

Planetary Phenomena of Jupiter from -3400 through -2900 (UT), Astrodienst AG 14-Nov-2015 16:04, page 2

Attention, astronomical year style is used: The year -3390 in astronomical counting style is the year 3391 BCE in historical counting style.

morning rise	-3390 Nov 20 j 16:34	23°♁25'53		min. Earth dist.	-3384 Nov 18 j 12:37	2°♁22'22	4.24991 AU
	-3390 Dec 20 j 01:18	0°♁			-3384 Dec 06 j 19:47	30°♁	
retrograde	-3389 Mar 28 j 02:20	12°♁21'38		direct	-3383 Jan 18 j 03:50	27°♁15'15	
opposition	-3389 May 28 j 03:14	7°♁25'53	0°18'58		-3383 Mar 01 j 22:57	0°♁	
min. Earth dist.	-3389 May 28 j 13:29	7°♁22'34	4.12344 AU	asc. node	-3383 May 13 j 07:23	12°♁55'45	
direct	-3389 Jul 27 j 08:29	2°♁31'56			-3383 May 22 j 20:01	15°♁	
desc. node	-3389 Sep 11 j 01:48	5°♁45'06		evening set	-3383 May 25 j 16:43	15°♁37'42	
	-3389 Oct 31 j 21:13	15°♁					
evening set	-3389 Nov 28 j 17:24	21°♁21'16		conjunction	-3383 Jun 08 j 07:50	18°♁38'25	0°03'01
				minimum elong	-3383 Jun 08 j 07:49	18°♁38'25	0°03'06
conjunction	-3389 Dec 11 j 13:20	24°♁23'22	0°-11'-7	behind sun begin	-3383 Jun 07 j 23:34	18°♁33'53	
minimum elong	-3389 Dec 11 j 13:19	24°♁23'22	0°11'13	behind sun end	-3383 Jun 08 j 16:03	18°♁42'57	
behind sun begin	-3389 Dec 11 j 07:18	24°♁19'49		max. Earth dist.	-3383 Jun 08 j 15:37	18°♁42'43	6.30134 AU
behind sun end	-3389 Dec 11 j 19:21	24°♁26'55		morning rise	-3383 Jun 21 j 20:34	21°♁37'52	
max. Earth dist.	-3389 Dec 11 j 11:07	24°♁22'04	6.07515 AU		-3383 Jul 31 j 22:09	0°♁	
morning rise	-3389 Dec 24 j 11:28	27°♁26'50		retrograde	-3383 Oct 22 j 01:42	9°♁11'05	
	-3388 Jan 04 j 09:56	0°♁		opposition	-3383 Dec 20 j 18:03	4°♁13'45	0°36'02
retrograde	-3388 May 03 j 00:26	17°♁16'10		min. Earth dist.	-3383 Dec 20 j 21:04	4°♁12'46	4.34371 AU
opposition	-3388 Jul 02 j 16:03	12°♁16'30	0°-52'-31	direct	-3382 Jan 27 j 22:59	30°♁	
min. Earth dist.	-3388 Jul 02 j 08:22	12°♁19'03	4.03703 AU		-3382 Feb 20 j 02:49	29°♁10'08	
direct	-3388 Aug 30 j 14:44	7°♁23'29		evening set	-3382 Mar 15 j 13:24	0°♁	
evening set	-3387 Jan 01 j 20:33	26°♁34'30		max. Earth dist.	-3382 Jun 27 j 22:04	17°♁12'26	
					-3382 Jul 10 j 11:08	19°♁57'00	6.37505 AU
conjunction	-3387 Jan 14 j 23:24	29°♁42'19	0°-55'-10	conjunction	-3382 Jul 11 j 04:57	20°♁06'46	0°44'59
minimum elong	-3387 Jan 14 j 23:21	29°♁42'17	0°55'18	minimum elong	-3382 Jul 11 j 04:54	20°♁06'44	0°45'05
max. Earth dist.	-3387 Jan 15 j 23:45	29°♁56'52	6.01343 AU	morning rise	-3382 Jul 24 j 08:47	22°♁59'29	
	-3387 Jan 16 j 05:00	0°♁			-3382 Aug 26 j 20:24	0°♁	
morning rise	-3387 Jan 28 j 05:30	2°♁51'54		retrograde	-3382 Nov 21 j 21:17	10°♁04'04	
retrograde	-3387 Jun 09 j 08:32	23°♁11'10		opposition	-3381 Jan 20 j 22:39	5°♁10'10	1°28'58
opposition	-3387 Aug 08 j 12:50	18°♁07'54	-1°-46'-10	min. Earth dist.	-3381 Jan 21 j 16:57	5°♁04'13	4.39362 AU
min. Earth dist.	-3387 Aug 07 j 12:43	18°♁16'00	4.00801 AU	direct	-3381 Mar 24 j 06:15	0°♁07'01	
direct	-3387 Oct 05 j 15:01	13°♁13'41		evening set	-3381 Jul 29 j 19:19	17°♁59'30	
	-3386 Jan 27 j 12:44	0°♁		max. Earth dist.	-3381 Aug 10 j 07:07	20°♁30'26	6.39652 AU
evening set	-3386 Feb 07 j 11:20	2°♁33'38					
conjunction	-3386 Feb 20 j 21:29	5°♁44'21	-1°-19'00	conjunction	-3381 Aug 11 j 17:13	20°♁49'09	1°13'27
minimum elong	-3386 Feb 20 j 21:28	5°♁44'21	1°19'07	minimum elong	-3381 Aug 11 j 17:10	20°♁49'07	1°13'34
max. Earth dist.	-3386 Feb 22 j 16:29	6°♁09'51	6.01829 AU	morning rise	-3381 Aug 24 j 11:46	23°♁37'15	
morning rise	-3386 Mar 06 j 10:52	8°♁56'39			-3381 Sep 23 j 17:26	0°♁	
	-3386 Apr 01 j 21:34	15°♁		retrograde	-3381 Dec 22 j 20:54	10°♁38'47	
retrograde	-3386 Jul 15 j 21:44	29°♁05'58		opposition	-3380 Feb 21 j 09:44	5°♁46'57	1°56'42
min. Earth dist.	-3386 Sep 12 j 08:55	24°♁11'00	4.04737 AU	min. Earth dist.	-3380 Feb 22 j 13:26	5°♁38'05	4.38690 AU
opposition	-3386 Sep 13 j 14:57	24°♁00'46	-1°-59'-9	direct	-3380 Apr 24 j 01:20	0°♁45'34	
direct	-3386 Nov 10 j 17:38	19°♁03'34			-3380 Aug 12 j 02:08	15°♁	
	-3385 Feb 07 j 09:07	0°♁		evening set	-3380 Aug 28 j 22:20	18°♁39'16	
evening set	-3385 Mar 16 j 12:50	8°♁14'33		max. Earth dist.	-3380 Sep 08 j 18:30	21°♁03'35	6.36091 AU
conjunction	-3385 Mar 30 j 05:21	11°♁24'54	-1°-13'00	conjunction	-3380 Sep 10 j 13:22	21°♁27'26	1°21'18
minimum elong	-3385 Mar 30 j 05:24	11°♁24'55	1°13'03	minimum elong	-3380 Sep 10 j 13:22	21°♁27'27	1°21'22
max. Earth dist.	-3385 Apr 01 j 04:12	11°♁52'05	6.08783 AU	morning rise	-3380 Sep 23 j 02:17	24°♁14'38	
morning rise	-3385 Apr 12 j 23:28	14°♁35'55			-3380 Oct 19 j 20:32	0°♁	
	-3385 Jun 29 j 11:51	0°♁		retrograde	-3379 Jan 22 j 22:38	11°♁37'57	
retrograde	-3385 Aug 19 j 17:26	3°♁59'09		opposition	-3379 Mar 24 j 19:47	6°♁46'20	1°51'58
	-3385 Oct 10 j 03:17	30°♁		min. Earth dist.	-3379 Mar 26 j 02:51	6°♁36'28	4.32484 AU
min. Earth dist.	-3385 Oct 17 j 02:39	29°♁03'26	4.13929 AU	direct	-3379 May 26 j 04:48	1°♁47'26	
opposition	-3385 Oct 18 j 03:55	28°♁54'49	-1°-28'-17	evening set	-3379 Sep 29 j 00:56	19°♁53'06	
direct	-3385 Dec 16 j 00:40	23°♁54'24		max. Earth dist.	-3379 Oct 09 j 23:12	22°♁21'41	6.27701 AU
	-3384 Feb 18 j 14:47	0°♁					
evening set	-3384 Apr 20 j 20:44	12°♁42'46		conjunction	-3379 Oct 11 j 13:52	22°♁43'40	1°05'49
				minimum elong	-3379 Oct 11 j 13:55	22°♁43'41	1°05'50
conjunction	-3384 May 04 j 15:15	15°♁49'24	0°-41'-14	morning rise	-3379 Oct 24 j 01:55	25°♁34'00	
minimum elong	-3384 May 04 j 15:18	15°♁49'26	0°41'12		-3379 Nov 13 j 01:25	0°♁	
max. Earth dist.	-3384 May 05 j 21:59	16°♁06'47	6.19471 AU	retrograde	-3378 Feb 25 j 13:05	13°♁40'12	
morning rise	-3384 May 18 j 09:38	18°♁55'42		opposition	-3378 Apr 27 j 16:14	8°♁47'01	1°13'31
	-3384 Jul 10 j 19:19	0°♁		min. Earth dist.	-3378 Apr 28 j 15:25	8°♁39'37	4.22376 AU
retrograde	-3384 Sep 20 j 14:14	7°♁19'20		direct	-3378 Jun 28 j 01:29	3°♁51'00	
opposition	-3384 Nov 19 j 01:29	2°♁18'01	0°-29'-15	evening set	-3378 Oct 30 j 23:11	22°♁17'14	

Planetary Phenomena of Jupiter from -3400 through -2900 (UT), Astrodienst AG 14-Nov-2015 16:04, page 3

Attention, astronomical year style is used: The year -3378 in astronomical counting style is the year 3379 BCE in historical counting style.

conjunction	-3378 Nov 12 j 14:20	25°♁13'17	0°29'38	max. Earth dist.	-3372 May 10 j 17:48	20°♃50'34	6.20645 AU
minimum elong	-3378 Nov 12 j 14:22	25°♁13'19	0°29'34	morning rise	-3372 May 23 j 06:49	23°♃39'54	
max. Earth dist.	-3378 Nov 11 j 15:02	24°♁59'44	6.16792 AU		-3372 Jun 21 j 11:30	0°♄	
morning rise	-3378 Nov 25 j 06:23	28°♁10'02		retrograde	-3372 Sep 25 j 02:18	11°♄57'06	
	-3378 Dec 03 j 05:35	0°♁		opposition	-3372 Nov 23 j 12:48	6°♄56'23	0°-20'-4
	-3377 Feb 22 j 21:59	15°♁		min. Earth dist.	-3372 Nov 23 j 02:07	6°♄59'58	4.26117 AU
retrograde	-3377 Apr 02 j 03:12	17°♁11'54		direct	-3371 Jan 22 j 19:34	1°♄53'29	
	-3377 May 10 j 13:32	15°♁		asc. node	-3371 Mar 23 j 07:08	6°♄55'36	
opposition	-3377 Jun 02 j 02:42	12°♁15'37	0°09'07		-3371 May 06 j 01:10	15°♄	
min. Earth dist.	-3377 Jun 02 j 11:30	12°♁12'46	4.11374 AU	evening set	-3371 May 30 j 10:21	20°♄13'47	
desc. node	-3377 Jul 22 j 18:11	7°♁30'35					
direct	-3377 Aug 01 j 05:02	7°♁21'51		conjunction	-3371 Jun 13 j 00:30	23°♄13'44	0°09'18
	-3377 Oct 12 j 21:00	15°♁		minimum elong	-3371 Jun 13 j 00:29	23°♄13'44	0°09'24
evening set	-3377 Dec 03 j 10:20	26°♁12'53		behind sun begin	-3371 Jun 12 j 17:38	23°♄09'57	
				behind sun end	-3371 Jun 13 j 07:20	23°♄17'30	
conjunction	-3377 Dec 16 j 07:04	29°♁15'40	0°-17'-43	max. Earth dist.	-3371 Jun 13 j 04:31	23°♄15'57	6.31128 AU
minimum elong	-3377 Dec 16 j 07:02	29°♁15'39	0°17'50	morning rise	-3371 Jun 26 j 12:18	26°♄12'21	
max. Earth dist.	-3377 Dec 16 j 07:47	29°♁16'06	6.06739 AU		-3371 Jul 14 j 01:37	0°♅	
	-3377 Dec 19 j 09:46	0°♅		retrograde	-3371 Oct 26 j 09:41	13°♅40'59	
morning rise	-3377 Dec 29 j 06:13	2°♅19'55		opposition	-3371 Dec 25 j 03:18	8°♅44'09	0°44'33
retrograde	-3376 May 08 j 01:15	22°♅13'43		min. Earth dist.	-3371 Dec 25 j 08:06	8°♅42'33	4.35182 AU
opposition	-3376 Jul 07 j 16:39	17°♅13'33	-1°-1'-29	direct	-3370 Feb 24 j 15:39	3°♅40'29	
min. Earth dist.	-3376 Jul 07 j 06:09	17°♅17'01	4.03219 AU	evening set	-3370 Jul 02 j 11:09	21°♅41'16	
direct	-3376 Sep 04 j 11:08	12°♅20'30					
	-3376 Dec 31 j 05:14	0°♆		conjunction	-3370 Jul 15 j 16:52	24°♅34'51	0°49'59
evening set	-3375 Jan 06 j 18:10	1°♆32'44		minimum elong	-3370 Jul 15 j 16:49	24°♅34'49	0°50'06
				max. Earth dist.	-3370 Jul 14 j 21:58	24°♅24'29	6.38066 AU
conjunction	-3375 Jan 19 j 21:52	4°♆41'00	0°-59'-55	morning rise	-3370 Jul 28 j 19:13	27°♅26'46	
minimum elong	-3375 Jan 19 j 21:49	4°♆40'58	1°00'03		-3370 Aug 09 j 15:31	0°♇	
max. Earth dist.	-3375 Jan 21 j 00:05	4°♆56'40	6.01166 AU	retrograde	-3370 Nov 26 j 04:38	14°♇29'26	
morning rise	-3375 Feb 02 j 04:57	7°♆51'04		opposition	-3369 Jan 25 j 07:56	9°♇35'55	1°34'35
retrograde	-3375 Jun 14 j 09:01	28°♆11'10		min. Earth dist.	-3369 Jan 26 j 03:20	9°♇29'38	4.39638 AU
min. Earth dist.	-3375 Aug 12 j 10:58	23°♆15'53	4.00965 AU	direct	-3369 Mar 28 j 17:32	4°♇32'59	
opposition	-3375 Aug 13 j 11:50	23°♆07'31	-1°-50'-36	evening set	-3369 Aug 03 j 04:52	22°♇24'40	
direct	-3375 Oct 10 j 13:43	18°♆12'56		max. Earth dist.	-3369 Aug 14 j 12:32	24°♇53'32	6.39576 AU
	-3374 Jan 10 j 07:15	0°♈					
evening set	-3374 Feb 12 j 11:53	7°♈32'57		conjunction	-3369 Aug 16 j 01:27	25°♇13'50	1°15'53
				minimum elong	-3369 Aug 16 j 01:24	25°♇13'49	1°16'00
conjunction	-3374 Feb 25 j 23:09	10°♈43'55	-1°-19'-58	morning rise	-3369 Aug 28 j 19:05	28°♇01'33	
minimum elong	-3374 Feb 25 j 23:08	10°♈43'55	1°20'05		-3369 Sep 06 j 21:17	0°♉	
max. Earth dist.	-3374 Feb 27 j 20:15	11°♈10'36	6.02319 AU		-3369 Dec 20 j 14:13	15°♉	
morning rise	-3374 Mar 11 j 13:15	13°♈56'19		retrograde	-3369 Dec 27 j 07:19	15°♉04'18	
	-3374 Mar 16 j 02:11	15°♈			-3368 Jan 03 j 00:30	15°♉	
	-3374 May 30 j 04:06	0°♊		opposition	-3368 Feb 25 j 21:02	10°♉12'34	1°58'04
retrograde	-3374 Jul 20 j 19:15	4°♊01'56		min. Earth dist.	-3368 Feb 27 j 02:07	10°♉03'16	4.38255 AU
	-3374 Sep 10 j 15:21	30°♊		direct	-3368 Apr 28 j 13:26	5°♉11'24	
min. Earth dist.	-3374 Sep 17 j 04:44	29°♊06'47	4.05516 AU		-3368 Jul 25 j 16:24	15°♉	
opposition	-3374 Sep 18 j 10:08	28°♊56'46	-1°-57'-19	evening set	-3368 Sep 02 j 06:12	23°♉05'41	
direct	-3374 Nov 15 j 13:34	23°♊59'11		max. Earth dist.	-3368 Sep 13 j 02:43	25°♉30'27	6.35307 AU
	-3373 Jan 17 j 14:33	0°♋					
evening set	-3373 Mar 21 j 13:28	13°♋08'50		conjunction	-3368 Sep 14 j 20:47	25°♉53'55	1°20'31
				minimum elong	-3368 Sep 14 j 20:48	25°♉53'55	1°20'35
conjunction	-3373 Apr 04 j 06:27	16°♋19'00	-1°-9'-55	morning rise	-3368 Sep 27 j 09:06	28°♉41'13	
minimum elong	-3373 Apr 04 j 06:31	16°♋19'02	1°09'59		-3368 Oct 03 j 07:45	0°♌	
max. Earth dist.	-3373 Apr 06 j 02:37	16°♋44'34	6.09778 AU	retrograde	-3367 Jan 27 j 11:15	16°♌08'48	
morning rise	-3373 Apr 18 j 01:10	19°♋29'48		opposition	-3367 Mar 29 j 10:32	11°♌17'04	1°48'31
	-3373 Jun 05 j 22:54	0°♍		min. Earth dist.	-3367 Mar 30 j 16:33	11°♌07'32	4.31384 AU
retrograde	-3373 Aug 24 j 08:02	8°♍46'39		direct	-3367 May 30 j 16:23	6°♌18'34	
opposition	-3373 Oct 22 j 18:43	3°♍42'38	-1°-21'-22	evening set	-3367 Oct 03 j 10:07	24°♌26'15	
min. Earth dist.	-3373 Oct 21 j 18:31	3°♍50'53	4.15039 AU	max. Earth dist.	-3367 Oct 14 j 09:06	26°♌55'45	6.26366 AU
	-3373 Nov 22 j 15:52	30°♍					
direct	-3373 Dec 20 j 18:17	28°♍41'52		conjunction	-3367 Oct 15 j 22:58	27°♌17'21	1°01'51
	-3372 Jan 18 j 05:20	0°♎		minimum elong	-3367 Oct 15 j 23:01	27°♌17'23	1°01'52
evening set	-3372 Apr 25 j 18:23	17°♎28'07			-3367 Oct 27 j 20:34	0°♏	
				morning rise	-3367 Oct 28 j 11:22	0°♏08'23	
conjunction	-3372 May 09 j 12:56	20°♎34'16	0°-35'-31	retrograde	-3366 Mar 02 j 10:21	18°♏21'30	
minimum elong	-3372 May 09 j 12:59	20°♎34'18	0°35'29	opposition	-3366 May 02 j 12:13	13°♏27'58	1°05'47

Planetary Phenomena of Jupiter from -3400 through -2900 (UT), Astrodienst AG 14-Nov-2015 16:04, page 4

Attention, astronomical year style is used: The year -3366 in astronomical counting style is the year 3367 BCE in historical counting style.

min. Earth dist.	-3366 May 03 j 10:47	13°♁20'45	4.20860 AU	evening set	-3360 Apr 30 j 18:05	22°♃17'37	
direct	-3366 Jul 02 j 18:19	8°♁32'15					
evening set	-3366 Nov 04 j 12:09	27°♁01'43		conjunction	-3360 May 14 j 12:17	25°♃22'51	0°-29'-30
max. Earth dist.	-3366 Nov 16 j 07:27	29°♁46'42	6.15242 AU	minimum elong	-3360 May 14 j 12:20	25°♃22'52	0°29'28
				max. Earth dist.	-3360 May 15 j 14:47	25°♃37'44	6.22506 AU
conjunction	-3366 Nov 17 j 04:00	29°♁58'42	0°23'24	morning rise	-3360 May 28 j 05:38	28°♃27'25	
minimum elong	-3366 Nov 17 j 04:02	29°♁58'43	0°23'21		-3360 Jun 04 j 04:34	0°♃	
	-3366 Nov 17 j 06:13	0°♃			-3360 Aug 28 j 21:07	15°♃	
morning rise	-3366 Nov 29 j 20:54	2°♃56'29		retrograde	-3360 Sep 29 j 11:50	16°♃35'28	
	-3365 Jan 25 j 17:39	15°♃			-3360 Oct 30 j 22:15	15°♃	
retrograde	-3365 Apr 07 j 03:55	22°♃06'18		opposition	-3360 Nov 28 j 00:25	11°♃35'13	0°-10'-47
desc. node	-3365 Jun 01 j 23:15	17°♃49'35		min. Earth dist.	-3360 Nov 27 j 14:44	11°♃38'27	4.27985 AU
opposition	-3365 Jun 07 j 03:22	17°♃09'31	0°00'-55	direct	-3359 Jan 27 j 11:23	6°♃32'05	
min. Earth dist.	-3365 Jun 07 j 09:15	17°♃07'36	4.09917 AU	asc. node	-3359 Jan 31 j 12:46	6°♃33'40	
	-3365 Jun 24 j 09:36	15°♃			-3359 Apr 17 j 09:52	15°♃	
direct	-3365 Aug 05 j 23:51	12°♃15'58		evening set	-3359 Jun 04 j 02:57	24°♃47'27	
	-3365 Sep 16 j 18:13	15°♃					
	-3365 Dec 03 j 05:32	0°♃		conjunction	-3359 Jun 17 j 16:00	27°♃46'12	0°15'26
evening set	-3365 Dec 08 j 05:47	1°♃10'44		minimum elong	-3359 Jun 17 j 15:59	27°♃46'12	0°15'32
				behind sun begin	-3359 Jun 17 j 14:25	27°♃45'20	
conjunction	-3365 Dec 21 j 03:21	4°♃14'26	0°-24'-19	behind sun end	-3359 Jun 17 j 17:32	27°♃47'03	
minimum elong	-3365 Dec 21 j 03:19	4°♃14'25	0°24'27	max. Earth dist.	-3359 Jun 17 j 17:03	27°♃46'47	6.32868 AU
max. Earth dist.	-3365 Dec 21 j 06:58	4°♃16'35	6.05500 AU		-3359 Jun 27 j 18:58	0°♃	
morning rise	-3364 Jan 03 j 03:38	7°♃19'41		morning rise	-3359 Jul 01 j 02:29	0°♃43'34	
retrograde	-3364 May 13 j 06:24	27°♃19'45		retrograde	-3359 Oct 30 j 16:20	18°♃05'19	
opposition	-3364 Jul 12 j 20:00	22°♃19'01	-1°-10'-16	opposition	-3359 Dec 29 j 11:02	13°♃09'00	0°52'33
min. Earth dist.	-3364 Jul 12 j 07:26	22°♃23'11	4.02321 AU	min. Earth dist.	-3359 Dec 29 j 18:23	13°♃06'35	4.36654 AU
direct	-3364 Sep 09 j 11:50	17°♃25'49		direct	-3358 Mar 01 j 04:12	8°♃05'21	
	-3364 Dec 13 j 20:24	0°♃		evening set	-3358 Jul 06 j 21:03	26°♃02'14	
evening set	-3363 Jan 11 j 19:51	6°♃40'54		max. Earth dist.	-3358 Jul 19 j 02:32	28°♃42'19	6.39128 AU
conjunction	-3363 Jan 25 j 00:47	9°♃49'53	-1°-4'-22	conjunction	-3358 Jul 20 j 01:22	28°♃54'48	0°54'32
minimum elong	-3363 Jan 25 j 00:44	9°♃49'51	1°04'30	minimum elong	-3358 Jul 20 j 01:19	28°♃54'47	0°54'39
max. Earth dist.	-3363 Jan 26 j 07:21	10°♃08'08	6.00694 AU		-3358 Jul 25 j 00:32	0°♃	
morning rise	-3363 Feb 07 j 08:53	13°♃00'36		morning rise	-3358 Aug 02 j 02:24	1°♃45'44	
	-3363 May 03 j 12:18	0°♃		retrograde	-3358 Nov 30 j 08:42	18°♃45'17	
retrograde	-3363 Jun 19 j 14:50	3°♃22'04		opposition	-3357 Jan 29 j 13:58	13°♃52'05	1°39'24
	-3363 Aug 05 j 18:44	30°♃		min. Earth dist.	-3357 Jan 30 j 11:16	13°♃45'11	4.40239 AU
opposition	-3363 Aug 18 j 14:41	28°♃18'06	-1°-54'-21	direct	-3357 Apr 02 j 01:36	8°♃49'13	
min. Earth dist.	-3363 Aug 17 j 12:44	28°♃26'51	4.01003 AU	evening set	-3357 Aug 07 j 10:12	26°♃39'16	
direct	-3363 Oct 15 j 14:59	23°♃23'13		max. Earth dist.	-3357 Aug 18 j 15:52	29°♃07'04	6.39654 AU
	-3363 Dec 20 j 11:12	0°♃					
evening set	-3362 Feb 17 j 17:20	12°♃43'38		conjunction	-3357 Aug 20 j 05:48	29°♃27'57	1°17'48
	-3362 Feb 27 j 08:42	15°♃		minimum elong	-3357 Aug 20 j 05:46	29°♃27'56	1°17'54
					-3357 Aug 22 j 16:02	0°♃	
conjunction	-3362 Mar 03 j 05:26	15°♃54'46	-1°-20'-22	morning rise	-3357 Sep 01 j 22:17	2°♃15'12	
minimum elong	-3362 Mar 03 j 05:26	15°♃54'46	1°20'27		-3357 Nov 07 j 02:30	15°♃	
max. Earth dist.	-3362 Mar 05 j 02:38	16°♃21'28	6.02849 AU	retrograde	-3357 Dec 31 j 12:51	19°♃19'02	
morning rise	-3362 Mar 16 j 20:37	19°♃07'20			-3356 Feb 25 j 22:02	15°♃	
	-3362 May 05 j 13:06	0°♃		opposition	-3356 Mar 01 j 04:22	14°♃27'26	1°58'41
retrograde	-3362 Jul 25 j 18:02	9°♃08'25		min. Earth dist.	-3356 Mar 02 j 10:39	14°♃17'47	4.37798 AU
min. Earth dist.	-3362 Sep 22 j 02:49	4°♃13'34	4.06509 AU	direct	-3356 May 02 j 20:21	9°♃26'34	
opposition	-3362 Sep 23 j 09:04	4°♃03'14	-1°-54'-33		-3356 Jul 05 j 21:24	15°♃	
	-3362 Oct 28 j 10:07	30°♃		evening set	-3356 Sep 06 j 10:08	27°♃21'45	
direct	-3362 Nov 20 j 13:51	29°♃05'13		max. Earth dist.	-3356 Sep 17 j 03:41	29°♃45'18	6.34325 AU
	-3362 Dec 13 j 22:38	0°♃			-3356 Sep 18 j 05:58	0°♃	
evening set	-3361 Mar 26 j 18:00	18°♃12'25					
				conjunction	-3356 Sep 19 j 00:06	0°♃10'08	1°19'19
conjunction	-3361 Apr 09 j 11:38	21°♃22'13	-1°-6'-15	minimum elong	-3356 Sep 19 j 00:07	0°♃10'09	1°19'23
minimum elong	-3361 Apr 09 j 11:42	21°♃22'16	1°06'17	morning rise	-3356 Oct 01 j 12:19	2°♃57'46	
max. Earth dist.	-3361 Apr 11 j 07:48	21°♃47'42	6.11194 AU	retrograde	-3355 Jan 31 j 23:28	20°♃30'47	
morning rise	-3361 Apr 23 j 06:27	24°♃32'27		opposition	-3355 Apr 02 j 22:22	15°♃38'55	1°44'35
	-3361 May 17 j 17:13	0°♃		min. Earth dist.	-3355 Apr 04 j 05:03	15°♃29'09	4.29916 AU
retrograde	-3361 Aug 29 j 02:34	13°♃40'44		direct	-3355 Jun 01 j 01:45	10°♃40'42	
opposition	-3361 Oct 27 j 12:05	8°♃37'05	-1°-13'-44	evening set	-3355 Oct 07 j 16:15	28°♃51'57	
min. Earth dist.	-3361 Oct 26 j 13:32	8°♃44'45	4.16735 AU		-3355 Oct 12 j 15:47	0°♃	
direct	-3361 Dec 25 j 16:44	3°♃35'58		max. Earth dist.	-3355 Oct 18 j 17:18	1°♃23'11	6.24543 AU

Planetary Phenomena of Jupiter from -3400 through -2900 (UT), Astrodienst AG 14-Nov-2015 16:04, page 5

Attention, astronomical year style is used: The year -3355 in astronomical counting style is the year 3356 BCE in historical counting style.

conjunction	-3355 Oct 20 j 05:30	1°♄43'55	0°57'39	min. Earth dist.	-3349 Oct 31 j 07:30	13°♃40'04	4.18548 AU
minimum elong	-3355 Oct 20 j 05:33	1°♄43'57	0°57'38	opposition	-3349 Nov 01 j 05:32	13°♃32'35	-1°-5'-32
morning rise	-3355 Nov 01 j 18:13	4°♄35'54		direct	-3349 Dec 30 j 13:35	8°♃31'04	
retrograde	-3354 Mar 07 j 04:37	22°♄57'57		evening set	-3348 May 05 j 17:44	27°♃07'56	
opposition	-3354 May 07 j 06:19	18°♄04'06	0°57'48		-3348 May 18 j 13:41	0°♄	
min. Earth dist.	-3354 May 08 j 03:17	17°♄57'24	4.18803 AU				
direct	-3354 Jul 07 j 06:50	13°♄08'47		conjunction	-3348 May 19 j 11:25	0°♄12'10	0°-23'-14
	-3354 Nov 01 j 13:10	0°♄		minimum elong	-3348 May 19 j 11:27	0°♄12'11	0°23'12
evening set	-3354 Nov 09 j 00:39	1°♄43'49		max. Earth dist.	-3348 May 20 j 09:54	0°♄24'46	6.24331 AU
				morning rise	-3348 Jun 02 j 04:04	3°♄15'39	
conjunction	-3354 Nov 21 j 17:08	4°♄42'01	0°17'07		-3348 Jul 30 j 03:21	15°♄	
minimum elong	-3354 Nov 21 j 17:10	4°♄42'01	0°17'03	retrograde	-3348 Oct 04 j 00:12	21°♄15'14	
max. Earth dist.	-3354 Nov 20 j 22:20	4°♄30'59	6.13133 AU	opposition	-3348 Dec 02 j 12:39	16°♄15'32	0°-1'-21
morning rise	-3354 Dec 04 j 11:08	7°♄41'10		min. Earth dist.	-3348 Dec 02 j 06:11	16°♄17'42	4.29643 AU
	-3353 Jan 06 j 00:18	15°♄		asc. node	-3348 Dec 10 j 17:00	15°♄10'18	
retrograde	-3353 Apr 12 j 06:43	27°♄01'19			-3348 Dec 12 j 00:42	15°♄	
desc. node	-3353 Apr 13 j 01:59	27°♄01'16		direct	-3347 Feb 01 j 05:16	11°♄12'13	
opposition	-3353 Jun 12 j 04:11	22°♄04'01	0°-10'-55		-3347 Mar 24 j 12:26	15°♄	
min. Earth dist.	-3353 Jun 12 j 07:42	22°♄02'52	4.07928 AU	evening set	-3347 Jun 08 j 20:06	29°♄23'36	
direct	-3353 Aug 10 j 20:00	17°♄10'38			-3347 Jun 11 j 14:42	0°♄	
	-3353 Nov 16 j 05:27	0°♄					
evening set	-3353 Dec 13 j 02:27	6°♄11'22		conjunction	-3347 Jun 22 j 08:07	2°♄21'21	0°21'35
				minimum elong	-3347 Jun 22 j 08:05	2°♄21'20	0°21'41
conjunction	-3353 Dec 26 j 01:17	9°♄16'20	0°-30'-44	max. Earth dist.	-3347 Jun 22 j 05:55	2°♄20'09	6.34224 AU
minimum elong	-3353 Dec 26 j 01:15	9°♄16'18	0°30'52	morning rise	-3347 Jul 05 j 17:17	5°♄17'37	
max. Earth dist.	-3353 Dec 26 j 10:06	9°♄21'35	6.03827 AU	retrograde	-3347 Nov 03 j 23:17	22°♄34'07	
morning rise	-3352 Jan 08 j 02:42	12°♄22'52		opposition	-3346 Jan 02 j 20:11	17°♄38'17	1°00'28
	-3352 Apr 08 j 00:54	0°♄		min. Earth dist.	-3346 Jan 03 j 05:09	17°♄35'20	4.37640 AU
retrograde	-3352 May 18 j 15:10	2°♄30'40		direct	-3346 Mar 05 j 15:40	12°♄34'38	
	-3352 Jun 28 j 05:32	30°♄			-3346 Jul 09 j 02:38	0°♄	
min. Earth dist.	-3352 Jul 17 j 10:16	27°♄34'25	4.01165 AU	evening set	-3346 Jul 11 j 09:02	0°♄29'27	
opposition	-3352 Jul 18 j 01:15	27°♄29'27	-1°-18'-33	max. Earth dist.	-3346 Jul 23 j 10:15	3°♄07'10	6.39662 AU
direct	-3352 Sep 14 j 13:04	22°♄36'12					
	-3352 Nov 23 j 15:38	0°♄		conjunction	-3346 Jul 24 j 11:59	3°♄21'15	0°58'57
evening set	-3351 Jan 17 j 00:21	11°♄55'06		minimum elong	-3346 Jul 24 j 11:56	3°♄21'13	0°59'04
				morning rise	-3346 Aug 06 j 11:40	6°♄11'25	
conjunction	-3351 Jan 30 j 06:16	15°♄04'47	-1°-8'-19	retrograde	-3346 Dec 04 j 17:36	23°♄09'43	
minimum elong	-3351 Jan 30 j 06:13	15°♄04'46	1°08'28	opposition	-3345 Feb 02 j 23:30	18°♄16'52	1°43'57
max. Earth dist.	-3351 Jan 31 j 15:23	15°♄24'35	6.00131 AU	min. Earth dist.	-3345 Feb 03 j 23:14	18°♄09'13	4.40304 AU
morning rise	-3351 Feb 12 j 15:42	18°♄16'17		direct	-3345 Apr 06 j 13:18	13°♄14'14	
	-3351 Apr 07 j 00:27	0°♄			-3345 Aug 06 j 21:08	0°♄	
retrograde	-3351 Jun 24 j 20:05	8°♄38'57		evening set	-3345 Aug 11 j 19:04	1°♄04'11	
opposition	-3351 Aug 23 j 19:22	3°♄34'34	-1°-57'-10	max. Earth dist.	-3345 Aug 22 j 20:56	3°♄30'10	6.39218 AU
min. Earth dist.	-3351 Aug 22 j 14:48	3°♄44'15	4.01115 AU				
	-3351 Sep 22 j 12:51	30°♄		conjunction	-3345 Aug 24 j 13:37	3°♄52'36	1°19'23
direct	-3351 Oct 20 j 18:00	28°♄39'18		minimum elong	-3345 Aug 24 j 13:36	3°♄52'35	1°19'29
	-3351 Nov 18 j 01:04	0°♄		morning rise	-3345 Sep 06 j 05:20	6°♄39'41	
	-3350 Feb 10 j 03:41	15°♄			-3345 Oct 16 j 08:51	15°♄	
evening set	-3350 Feb 23 j 01:07	17°♄59'38		retrograde	-3344 Jan 05 j 00:15	23°♄46'19	
				opposition	-3344 Mar 05 j 16:55	18°♄54'45	1°58'46
conjunction	-3350 Mar 08 j 14:19	21°♄10'53	-1°-20'-5	min. Earth dist.	-3344 Mar 06 j 23:48	18°♄44'54	4.36909 AU
minimum elong	-3350 Mar 08 j 14:20	21°♄10'53	1°20'11		-3344 Apr 10 j 02:14	15°♄	
max. Earth dist.	-3350 Mar 10 j 14:07	21°♄39'02	6.03605 AU	direct	-3344 May 07 j 07:26	13°♄54'10	
morning rise	-3350 Mar 22 j 06:08	24°♄23'21			-3344 Jun 03 j 15:16	15°♄	
	-3350 Apr 15 j 20:45	0°♄			-3344 Sep 02 j 09:19	0°♄	
retrograde	-3350 Jul 30 j 19:56	14°♄18'27		evening set	-3344 Sep 10 j 18:59	1°♄51'20	
min. Earth dist.	-3350 Sep 27 j 03:39	9°♄23'18	4.07783 AU	max. Earth dist.	-3344 Sep 21 j 13:43	4°♄15'58	6.33057 AU
opposition	-3350 Sep 28 j 09:05	9°♄13'15	-1°-50'-49				
direct	-3350 Nov 25 j 17:16	4°♄14'43		conjunction	-3344 Sep 23 j 08:41	4°♄40'05	1°17'37
evening set	-3349 Mar 31 j 23:32	23°♄18'16		minimum elong	-3344 Sep 23 j 08:43	4°♄40'06	1°17'40
				morning rise	-3344 Oct 05 j 20:33	7°♄28'07	
conjunction	-3349 Apr 14 j 17:34	26°♄27'32	-1°-2'-3	retrograde	-3343 Feb 05 j 16:36	25°♄07'20	
minimum elong	-3349 Apr 14 j 17:38	26°♄27'34	1°02'04	opposition	-3343 Apr 07 j 16:03	20°♄15'19	1°39'49
max. Earth dist.	-3349 Apr 16 j 12:51	26°♄52'23	6.12839 AU	min. Earth dist.	-3343 Apr 08 j 22:13	20°♄05'44	4.28347 AU
morning rise	-3349 Apr 28 j 12:33	29°♄37'03		direct	-3343 Jun 08 j 16:23	15°♄17'33	
	-3349 Apr 30 j 04:54	0°♄			-3343 Sep 26 j 09:56	0°♄	
retrograde	-3349 Sep 02 j 19:04	18°♄35'53		evening set	-3343 Oct 12 j 04:16	3°♄32'20	

Planetary Phenomena of Jupiter from -3400 through -2900 (UT), Astrodienst AG 14-Nov-2015 16:04, page 6

Attention, astronomical year style is used: The year -3343 in astronomical counting style is the year 3344 BCE in historical counting style.

max. Earth dist.	-3343 Oct 23 j 06:01	6°♁04'38	6.22814 AU	minimum elong	-3337 Apr 19 j 19:05	1°♃21'16	0°57'33
conjunction	-3343 Oct 24 j 17:38	6°♁25'07	0°52'51	max. Earth dist.	-3337 Apr 21 j 10:37	1°♃43'53	6.14602 AU
minimum elong	-3343 Oct 24 j 17:41	6°♁25'09	0°52'50	morning rise	-3337 May 03 j 14:01	4°♃29'57	
morning rise	-3343 Nov 06 j 07:03	9°♁18'05		retrograde	-3337 Sep 07 j 08:54	23°♃19'40	
retrograde	-3342 Mar 12 j 04:51	27°♁48'37		opposition	-3337 Nov 05 j 18:55	18°♃16'47	0°-57'-12
opposition	-3342 May 12 j 06:20	22°♁54'21	0°48'58	min. Earth dist.	-3337 Nov 04 j 23:51	18°♃23'16	4.20272 AU
min. Earth dist.	-3342 May 13 j 00:57	22°♁48'22	4.17036 AU	direct	-3336 Jan 04 j 08:18	13°♃14'56	
direct	-3342 Jul 12 j 02:17	17°♁59'22		evening set	-3336 May 02 j 09:55	0°♃	
evening set	-3342 Oct 15 j 07:42	0°♁		conjunction	-3336 May 24 j 06:40	4°♃51'09	0°-17'-3
conjunction	-3342 Nov 26 j 11:28	9°♁37'49	0°10'24	minimum elong	-3336 May 24 j 06:41	4°♃51'10	0°16'59
minimum elong	-3342 Nov 26 j 11:29	9°♁37'50	0°10'20	max. Earth dist.	-3336 May 25 j 02:21	5°♃02'08	6.25894 AU
behind sun begin	-3342 Nov 26 j 05:05	9°♁34'05		morning rise	-3336 Jun 06 j 22:25	7°♃53'38	
behind sun end	-3342 Nov 26 j 17:53	9°♁41'35		retrograde	-3336 Jul 10 j 06:23	15°♃	
max. Earth dist.	-3342 Nov 25 j 21:38	9°♁29'41	6.11526 AU	asc. node	-3336 Oct 21 j 06:15	25°♃29'35	
morning rise	-3342 Dec 09 j 06:18	12°♁38'06		opposition	-3336 Dec 06 j 21:35	20°♃47'03	0°07'46
desc. node	-3342 Dec 19 j 10:59	15°♁		min. Earth dist.	-3336 Dec 06 j 16:47	20°♃48'39	4.30927 AU
retrograde	-3341 Mar 11 j 07:34	0°♁		direct	-3335 Feb 05 j 16:48	15°♃43'39	
opposition	-3341 Apr 17 j 13:28	2°♁06'17		evening set	-3335 May 26 j 08:47	0°♁	
min. Earth dist.	-3341 Jun 17 j 09:10	27°♁08'29	0°-21'-15	conjunction	-3335 Jun 13 j 10:28	3°♁52'37	
direct	-3341 Jun 17 j 10:06	27°♁08'11	4.06651 AU	minimum elong	-3335 Jun 26 j 21:15	6°♁49'32	0°27'28
evening set	-3341 Aug 15 j 20:45	22°♁15'19		max. Earth dist.	-3335 Jun 26 j 21:13	6°♁49'31	0°27'34
conjunction	-3341 Dec 18 j 02:40	11°♁19'08		morning rise	-3335 Jun 26 j 13:54	6°♁45'30	6.35130 AU
minimum elong	-3341 Dec 31 j 02:16	14°♁24'51	0°-37'-7	retrograde	-3335 Jul 10 j 05:19	9°♁44'57	
max. Earth dist.	-3341 Dec 31 j 02:13	14°♁24'49	0°37'14	opposition	-3335 Nov 08 j 07:37	26°♁58'10	
morning rise	-3340 Jan 13 j 04:57	17°♁32'15		min. Earth dist.	-3334 Jan 07 j 04:10	22°♁02'53	1°07'53
retrograde	-3340 Mar 10 j 13:46	0°♁		direct	-3334 Jan 07 j 16:29	21°♁58'50	4.38125 AU
opposition	-3340 May 23 j 21:17	7°♁43'55		evening set	-3334 Mar 10 j 03:30	16°♁59'19	
min. Earth dist.	-3340 Jul 23 j 07:00	2°♁42'08	-1°-26'-19	conjunction	-3334 Jun 22 j 17:33	0°♁	
direct	-3340 Jul 22 j 12:35	2°♁48'16	4.00901 AU	minimum elong	-3334 Jul 15 j 19:33	4°♁53'42	
evening set	-3340 Aug 13 j 20:02	30°♁		conjunction	-3334 Jul 28 j 21:23	7°♁45'01	1°02'57
conjunction	-3340 Sep 19 j 15:27	27°♁48'42		max. Earth dist.	-3334 Jul 28 j 21:20	7°♁44'59	1°03'04
minimum elong	-3340 Oct 26 j 02:32	0°♁		morning rise	-3334 Jul 27 j 17:16	7°♁29'37	6.39677 AU
max. Earth dist.	-3339 Jan 22 j 05:03	17°♁08'07		retrograde	-3334 Aug 10 j 19:48	10°♁34'41	
morning rise	-3339 Feb 04 j 12:05	20°♁18'07	-1°-11'-46	opposition	-3334 Dec 09 j 01:10	27°♁33'38	
retrograde	-3339 Feb 04 j 12:03	20°♁18'05	1°11'53	opposition	-3333 Feb 07 j 09:02	22°♁41'05	1°47'54
opposition	-3339 Feb 06 j 01:30	20°♁40'26	6.00446 AU	min. Earth dist.	-3333 Feb 08 j 09:27	22°♁33'13	4.39894 AU
min. Earth dist.	-3339 Feb 17 j 22:18	23°♁29'48		direct	-3333 Apr 10 j 22:19	17°♁38'43	
direct	-3339 Mar 18 j 05:18	0°♁		evening set	-3333 Jul 21 j 07:43	0°♁	
evening set	-3339 Jun 30 j 00:25	13°♁49'51		max. Earth dist.	-3333 Aug 16 j 04:17	5°♁30'08	
conjunction	-3339 Aug 28 j 21:43	8°♁45'10	-1°-58'-59	conjunction	-3333 Aug 27 j 04:49	7°♁55'46	6.38412 AU
opposition	-3339 Aug 27 j 17:04	8°♁54'53	4.01980 AU	minimum elong	-3333 Aug 28 j 21:55	8°♁18'29	1°20'30
direct	-3339 Oct 25 j 21:45	3°♁49'28		morning rise	-3333 Aug 28 j 21:54	8°♁18'28	1°20'36
evening set	-3338 Jan 23 j 02:33	15°♁		retrograde	-3333 Sep 10 j 12:49	11°♁05'35	
conjunction	-3338 Mar 13 j 20:04	26°♁18'10	-1°-19'-13	opposition	-3333 Sep 28 j 14:41	15°♁	
minimum elong	-3338 Mar 13 j 20:05	26°♁18'11	1°19'18	retrograde	-3332 Jan 09 j 13:55	28°♁16'15	
max. Earth dist.	-3338 Mar 15 j 20:26	26°♁46'32	6.04912 AU	opposition	-3332 Mar 10 j 06:45	23°♁24'48	1°58'07
morning rise	-3338 Mar 27 j 12:35	29°♁30'18		min. Earth dist.	-3332 Mar 11 j 14:30	23°♁14'41	4.35769 AU
retrograde	-3338 Mar 29 j 15:43	0°♁		direct	-3332 May 11 j 20:45	18°♁24'39	
min. Earth dist.	-3338 Aug 04 j 15:40	19°♁17'29		evening set	-3332 Aug 16 j 10:47	0°♁	
opposition	-3338 Oct 01 j 23:16	14°♁22'31	4.09389 AU	max. Earth dist.	-3332 Sep 15 j 04:54	6°♁24'25	
direct	-3338 Oct 03 j 04:51	14°♁12'25	-1°-46'-23	conjunction	-3332 Sep 25 j 22:59	8°♁49'14	6.31669 AU
evening set	-3337 Apr 06 j 00:50	28°♁12'39		conjunction	-3332 Sep 27 j 18:16	9°♁13'36	1°15'24
conjunction	-3337 Apr 13 j 21:02	0°♁		minimum elong	-3332 Sep 27 j 18:18	9°♁13'37	1°15'26
conjunction	-3337 Apr 19 j 19:01	1°♁21'14	0°-57'-33	morning rise	-3332 Oct 10 j 06:12	12°♁02'13	
				retrograde	-3331 Feb 10 j 10:56	29°♁48'06	
				opposition	-3331 Apr 12 j 11:31	24°♁55'49	1°34'19
				min. Earth dist.	-3331 Apr 13 j 15:42	24°♁46'51	4.26807 AU
				direct	-3331 Jun 13 j 07:59	19°♁58'29	
				evening set	-3331 Sep 08 j 15:05	0°♁	
				evening set	-3331 Oct 16 j 17:09	8°♁16'25	

Planetary Phenomena of Jupiter from -3400 through -2900 (UT), Astrodienst AG 14-Nov-2015 16:04, page 7

Attention, astronomical year style is used: The year -3331 in astronomical counting style is the year 3332 BCE in historical counting style.

max. Earth dist.	-3331 Oct 27 j 23:30	10°♄51'50	6.21270 AU	conjunction	-3325 Apr 24 j 19:44	6°♃13'07	0°-52'-42
				minimum elong	-3325 Apr 24 j 19:47	6°♃13'09	0°52'43
conjunction	-3331 Oct 29 j 06:59	11°♄10'00	0°47'39	max. Earth dist.	-3325 Apr 26 j 10:08	6°♃35'01	6.16077 AU
minimum elong	-3331 Oct 29 j 07:02	11°♄10'01	0°47'38	morning rise	-3325 May 08 j 14:31	9°♃21'08	
morning rise	-3331 Nov 10 j 20:48	14°♄03'50		retrograde	-3325 Sep 11 j 21:43	28°♃02'46	
	-3330 Feb 02 j 16:25	0°♃		opposition	-3325 Nov 10 j 08:00	23°♃00'21	0°-48'-34
retrograde	-3330 Mar 17 j 06:10	2°♃42'02		min. Earth dist.	-3325 Nov 09 j 14:24	23°♃06'19	4.21707 AU
	-3330 Apr 29 j 09:31	30°♃		direct	-3324 Jan 09 j 00:22	17°♃58'13	
opposition	-3330 May 17 j 07:12	27°♄47'21	0°39'41		-3324 Apr 15 j 05:35	0°♃	
min. Earth dist.	-3330 May 17 j 23:55	27°♄41'59	4.15590 AU	evening set	-3324 May 15 j 08:57	6°♃27'52	
direct	-3330 Jul 16 j 23:44	22°♄52'45					
	-3330 Sep 25 j 11:26	0°♃		conjunction	-3324 May 29 j 01:32	9°♃30'28	0°-10'-45
evening set	-3330 Nov 18 j 12:02	11°♃34'50		minimum elong	-3324 May 29 j 01:33	9°♃30'28	0°10'42
				behind sun begin	-3324 May 28 j 19:15	9°♃26'59	
conjunction	-3330 Dec 01 j 06:03	14°♃34'55	0°03'37	behind sun end	-3324 May 29 j 07:51	9°♃33'58	
minimum elong	-3330 Dec 01 j 06:02	14°♃34'55	0°03'32	max. Earth dist.	-3324 May 29 j 16:01	9°♃38'31	6.27177 AU
behind sun begin	-3330 Nov 30 j 22:03	14°♃30'13		morning rise	-3324 Jun 11 j 16:39	12°♃32'05	
behind sun end	-3330 Dec 01 j 14:01	14°♃39'36			-3324 Jun 22 j 22:46	15°♃	
max. Earth dist.	-3330 Nov 30 j 18:35	14°♃28'10	6.10296 AU	asc. node	-3324 Aug 31 j 07:45	27°♃32'17	
	-3330 Dec 03 j 00:35	15°♃			-3324 Sep 28 j 23:02	0°♃	
morning rise	-3330 Dec 14 j 01:59	17°♃36'10		retrograde	-3324 Oct 12 j 17:32	0°♃18'36	
desc. node	-3330 Dec 30 j 14:58	21°♃25'28			-3324 Oct 26 j 09:44	30°♃	
	-3329 Feb 10 j 01:49	0°♃		opposition	-3324 Dec 11 j 07:33	25°♃20'00	0°16'54
retrograde	-3329 Apr 22 j 17:24	7°♃10'46		min. Earth dist.	-3324 Dec 11 j 05:53	25°♃20'33	4.31958 AU
opposition	-3329 Jun 22 j 13:02	2°♃12'22	0°-31'-24	direct	-3323 Feb 10 j 07:42	20°♃16'28	
min. Earth dist.	-3329 Jun 22 j 10:16	2°♃13'16	4.05748 AU		-3323 May 08 j 12:33	0°♃	
	-3329 Jul 10 j 01:46	30°♃		evening set	-3323 Jun 18 j 01:20	8°♃23'33	
direct	-3329 Aug 20 j 19:56	27°♃19'15					
	-3329 Sep 30 j 19:20	0°♃		conjunction	-3323 Jul 01 j 11:10	11°♃19'44	0°33'14
evening set	-3329 Dec 23 j 01:53	16°♃25'01		minimum elong	-3323 Jul 01 j 11:07	11°♃19'43	0°33'21
				max. Earth dist.	-3323 Jul 01 j 01:52	11°♃14'38	6.35835 AU
conjunction	-3328 Jan 05 j 02:33	19°♃31'22	0°-43'-10	morning rise	-3323 Jul 14 j 17:47	14°♃14'19	
minimum elong	-3328 Jan 05 j 02:29	19°♃31'20	0°43'18		-3323 Oct 13 j 14:39	0°♃	
max. Earth dist.	-3328 Jan 05 j 19:16	19°♃41'22	6.02489 AU	retrograde	-3323 Nov 12 j 14:26	1°♃24'47	
morning rise	-3328 Jan 18 j 06:06	22°♃39'24			-3323 Dec 12 j 14:08	30°♃	
	-3328 Feb 19 j 08:02	0°♃		opposition	-3322 Jan 11 j 13:16	26°♃29'58	1°15'01
retrograde	-3328 May 29 j 03:26	12°♃53'42		min. Earth dist.	-3322 Jan 12 j 02:43	26°♃25'34	4.38486 AU
opposition	-3328 Jul 28 j 10:53	7°♃51'23	-1°-33'-20	direct	-3322 Mar 14 j 14:12	21°♃26'32	
min. Earth dist.	-3328 Jul 27 j 15:28	7°♃57'52	4.00855 AU		-3322 Jun 04 j 09:58	0°♃	
direct	-3328 Sep 24 j 18:05	2°♃57'44		evening set	-3322 Jul 20 j 07:12	9°♃20'36	
evening set	-3327 Jan 27 j 08:04	22°♃17'08		max. Earth dist.	-3322 Aug 01 j 00:34	11°♃54'20	6.39661 AU
conjunction	-3327 Feb 09 j 16:00	25°♃27'21	-1°-14'-37	conjunction	-3322 Aug 02 j 07:40	12°♃11'23	1°06'40
minimum elong	-3327 Feb 09 j 15:57	25°♃27'19	1°14'44	minimum elong	-3322 Aug 02 j 07:37	12°♃11'21	1°06'46
max. Earth dist.	-3327 Feb 11 j 07:28	25°♃50'51	6.00838 AU	morning rise	-3322 Aug 15 j 05:00	15°♃00'35	
morning rise	-3327 Feb 23 j 03:15	28°♃39'15			-3322 Nov 07 j 07:08	0°♃	
	-3327 Feb 28 j 20:34	0°♃		retrograde	-3322 Dec 13 j 12:12	2°♃00'14	
	-3327 May 14 j 23:59	15°♃			-3321 Jan 18 j 21:52	30°♃	
retrograde	-3327 Jul 05 j 01:16	18°♃56'19		opposition	-3321 Feb 11 j 20:22	27°♃07'59	1°51'18
	-3327 Aug 25 j 10:11	15°♃		min. Earth dist.	-3321 Feb 12 j 22:48	26°♃59'29	4.39533 AU
opposition	-3327 Sep 02 j 21:38	13°♃51'27	-1°-59'-55	direct	-3321 Apr 15 j 11:40	22°♃05'55	
min. Earth dist.	-3327 Sep 01 j 15:44	14°♃01'37	4.02801 AU		-3321 Jul 02 j 15:02	0°♃	
direct	-3327 Oct 30 j 21:19	8°♃55'19		evening set	-3321 Aug 20 j 13:59	9°♃58'08	
	-3326 Jan 01 j 23:13	15°♃		max. Earth dist.	-3321 Aug 31 j 13:32	12°♃23'32	6.37736 AU
evening set	-3326 Mar 05 j 09:35	28°♃10'54					
	-3326 Mar 13 j 04:38	0°♃		conjunction	-3321 Sep 02 j 06:52	12°♃46'25	1°21'12
				minimum elong	-3321 Sep 02 j 06:51	12°♃46'25	1°21'17
conjunction	-3326 Mar 19 j 00:17	1°♃21'42	-1°-17'-48		-3321 Sep 12 j 08:17	15°♃	
minimum elong	-3326 Mar 19 j 00:19	1°♃21'43	1°17'52	morning rise	-3321 Sep 14 j 21:01	15°♃33'29	
max. Earth dist.	-3326 Mar 20 j 23:16	1°♃49'10	6.06073 AU		-3321 Dec 01 j 20:26	0°♃	
morning rise	-3326 Apr 01 j 17:25	4°♃33'32		retrograde	-3320 Jan 14 j 02:25	2°♃47'47	
retrograde	-3326 Aug 09 j 10:58	24°♃13'36			-3320 Feb 27 j 03:33	30°♃	
opposition	-3326 Oct 07 j 23:08	19°♃08'39	-1°-41'-18	opposition	-3320 Mar 14 j 21:45	27°♃56'18	1°56'48
min. Earth dist.	-3326 Oct 06 j 19:20	19°♃18'09	4.10753 AU	min. Earth dist.	-3320 Mar 16 j 04:11	27°♃46'37	4.34848 AU
direct	-3326 Dec 05 j 13:13	14°♃09'10		direct	-3320 May 16 j 09:24	22°♃56'35	
	-3325 Mar 28 j 07:19	0°♃			-3320 Jul 28 j 02:12	0°♃	
evening set	-3325 Apr 11 j 01:09	3°♃05'03		evening set	-3320 Sep 19 j 15:04	10°♃57'54	

Planetary Phenomena of Jupiter from -3400 through -2900 (UT), Astrodienst AG 14-Nov-2015 16:04, page 8

Attention, astronomical year style is used: The year -3320 in astronomical counting style is the year 3321 BCE in historical counting style.

max. Earth dist.	-3320 Sep 30 j 11:06	13°♄24'12	6.30595 AU	conjunction	-3314 Mar 24 j 02:16	6°♃19'14	-1°-15'-52
				minimum elong	-3314 Mar 24 j 02:18	6°♃19'15	1°15'55
conjunction	-3320 Oct 02 j 04:10	13°♄47'23	1°12'46	max. Earth dist.	-3314 Mar 26 j 01:52	6°♃46'59	6.07015 AU
minimum elong	-3320 Oct 02 j 04:12	13°♄47'25	1°12'47	morning rise	-3314 Apr 06 j 19:52	9°♃30'52	
morning rise	-3320 Oct 14 j 15:57	16°♄36'25		retrograde	-3314 Aug 14 j 04:36	29°♃04'50	
	-3320 Dec 21 j 15:46	0°♁		opposition	-3314 Oct 12 j 15:27	24°♃00'12	-1°-35'-40
retrograde	-3319 Feb 15 j 06:12	4°♁27'51		min. Earth dist.	-3314 Oct 11 j 12:40	24°♃09'20	4.11859 AU
	-3319 Apr 14 j 01:32	30°♃		direct	-3314 Dec 10 j 07:25	19°♃00'22	
opposition	-3319 Apr 17 j 07:04	29°♄35'22	1°28'15		-3313 Mar 10 j 15:33	0°♃	
min. Earth dist.	-3319 Apr 18 j 10:35	29°♄26'37	4.25628 AU	evening set	-3313 Apr 16 j 00:08	7°♃54'06	
direct	-3319 Jun 18 j 01:39	24°♄38'28					
	-3319 Aug 18 j 11:49	0°♁		conjunction	-3313 Apr 29 j 18:42	11°♃01'43	0°-47'-34
evening set	-3319 Oct 21 j 05:36	12°♁58'13		minimum elong	-3313 Apr 29 j 18:46	11°♃01'45	0°47'34
				max. Earth dist.	-3313 May 01 j 05:03	11°♃21'14	6.17265 AU
conjunction	-3319 Nov 02 j 19:41	15°♁52'26	0°42'13	morning rise	-3313 May 13 j 13:34	14°♃09'12	
minimum elong	-3319 Nov 02 j 19:44	15°♁52'27	0°42'11		-3313 Aug 05 j 11:59	0°♃	
max. Earth dist.	-3319 Nov 01 j 13:45	15°♁35'07	6.20097 AU	retrograde	-3313 Sep 16 j 09:35	2°♃44'04	
morning rise	-3319 Nov 15 j 10:12	18°♁47'04			-3313 Oct 28 j 04:15	30°♃	
	-3318 Jan 07 j 08:31	0°♃		opposition	-3313 Nov 14 j 20:11	27°♃42'08	0°-39'-46
retrograde	-3318 Mar 22 j 04:26	7°♃31'37		min. Earth dist.	-3313 Nov 14 j 04:39	27°♃47'23	4.22870 AU
opposition	-3318 May 22 j 06:36	2°♃36'28	0°30'16	direct	-3312 Jan 13 j 16:40	22°♃39'43	
min. Earth dist.	-3318 May 22 j 19:54	2°♃32'11	4.14499 AU		-3312 Mar 26 j 16:09	0°♃	
	-3318 Jun 12 j 16:15	30°♃		evening set	-3312 May 20 j 03:53	11°♃07'13	
direct	-3318 Jul 21 j 18:10	27°♁42'09					
	-3318 Aug 29 j 05:39	0°♃		conjunction	-3312 Jun 02 j 20:01	14°♃09'08	0°-4'-27
desc. node	-3318 Nov 09 j 23:13	13°♃22'16		minimum elong	-3312 Jun 02 j 20:02	14°♃09'09	0°04'24
	-3318 Nov 17 j 00:49	15°♃		behind sun begin	-3312 Jun 02 j 11:53	14°♃04'39	
evening set	-3318 Nov 23 j 04:21	16°♃26'05		behind sun end	-3312 Jun 03 j 04:10	14°♃13'39	
				max. Earth dist.	-3312 Jun 03 j 08:41	14°♃16'10	6.28260 AU
conjunction	-3318 Dec 05 j 23:08	19°♃26'52	0°-3'-11		-3312 Jun 06 j 15:31	15°♃	
minimum elong	-3318 Dec 05 j 23:09	19°♃26'52	0°03'18	morning rise	-3312 Jun 16 j 10:05	17°♃09'55	
behind sun begin	-3318 Dec 05 j 15:08	19°♃22'09		asc. node	-3312 Jul 11 j 12:13	22°♃33'39	
behind sun end	-3318 Dec 06 j 07:09	19°♃31'35			-3312 Aug 20 j 19:02	0°♃	
max. Earth dist.	-3318 Dec 05 j 16:13	19°♃22'48	6.09392 AU	retrograde	-3312 Oct 17 j 02:15	4°♃51'08	
morning rise	-3318 Dec 18 j 19:52	22°♃28'54			-3312 Dec 14 j 20:28	30°♃	
	-3317 Jan 21 j 02:23	0°♃		opposition	-3312 Dec 15 j 17:14	29°♃53'06	0°25'52
retrograde	-3317 Apr 27 j 21:00	12°♃08'52		min. Earth dist.	-3312 Dec 15 j 17:08	29°♃53'08	4.32882 AU
opposition	-3317 Jun 27 j 14:39	7°♃09'56	0°-41'-6	direct	-3311 Feb 14 j 20:52	24°♃49'33	
min. Earth dist.	-3317 Jun 27 j 10:29	7°♃11'18	4.05102 AU		-3311 Apr 17 j 00:23	0°♃	
direct	-3317 Aug 25 j 18:45	2°♃16'53		evening set	-3311 Jun 22 j 15:59	12°♃54'54	
evening set	-3317 Dec 27 j 22:58	21°♃23'58		max. Earth dist.	-3311 Jul 05 j 11:03	15°♃42'57	6.36519 AU
conjunction	-3316 Jan 10 j 00:27	24°♃30'51	0°-48'-45	conjunction	-3311 Jul 06 j 00:28	15°♃50'18	0°38'47
minimum elong	-3316 Jan 10 j 00:24	24°♃30'49	0°48'53	minimum elong	-3311 Jul 06 j 00:25	15°♃50'16	0°38'55
max. Earth dist.	-3316 Jan 10 j 19:37	24°♃42'17	6.02144 AU	morning rise	-3311 Jul 19 j 05:59	18°♃44'07	
morning rise	-3316 Jan 23 j 05:07	27°♃39'28			-3311 Sep 14 j 00:43	0°♃	
	-3316 Feb 02 j 04:02	0°♃		retrograde	-3311 Nov 16 j 22:59	5°♃51'55	
retrograde	-3316 Jun 03 j 04:25	17°♃55'37		opposition	-3310 Jan 15 j 22:43	0°♃57'27	1°21'42
opposition	-3316 Aug 02 j 11:15	12°♃52'56	-1°-39'-27	min. Earth dist.	-3310 Jan 16 j 14:25	0°♃52'20	4.38902 AU
min. Earth dist.	-3316 Aug 01 j 13:38	13°♃00'10	4.00882 AU		-3310 Jan 23 j 08:00	30°♃	
direct	-3316 Sep 29 j 15:39	7°♃59'04		direct	-3310 Mar 19 j 03:17	25°♃54'06	
evening set	-3315 Feb 01 j 08:42	27°♃18'42			-3310 May 12 j 13:18	0°♃	
	-3315 Feb 12 j 16:32	0°♃		evening set	-3310 Jul 24 j 17:52	13°♃47'13	
				max. Earth dist.	-3310 Aug 05 j 09:48	16°♃20'12	6.39754 AU
conjunction	-3315 Feb 14 j 17:33	0°♃29'09	-1°-16'-51	conjunction	-3310 Aug 06 j 17:16	16°♃37'27	1°09'58
minimum elong	-3315 Feb 14 j 17:32	0°♃29'08	1°16'58	minimum elong	-3310 Aug 06 j 17:13	16°♃37'26	1°10'05
max. Earth dist.	-3315 Feb 16 j 09:41	0°♃53'01	6.01211 AU	morning rise	-3310 Aug 19 j 13:14	19°♃26'06	
morning rise	-3315 Feb 28 j 05:43	3°♃41'15			-3310 Oct 11 j 06:34	0°♃	
	-3315 Apr 20 j 18:23	15°♃		retrograde	-3310 Dec 17 j 19:52	6°♃26'02	
retrograde	-3315 Jul 09 j 23:54	23°♃55'40		opposition	-3309 Feb 16 j 07:01	1°♃33'54	1°54'02
opposition	-3315 Sep 07 j 18:32	18°♃50'40	-1°-59'-59	min. Earth dist.	-3309 Feb 17 j 09:27	1°♃25'26	4.39300 AU
min. Earth dist.	-3315 Sep 06 j 13:08	19°♃00'41	4.03481 AU		-3309 Feb 28 j 16:56	30°♃	
	-3315 Oct 10 j 08:53	15°♃		direct	-3309 Apr 19 j 22:26	26°♃32'06	
direct	-3315 Nov 04 j 19:51	13°♃54'06			-3309 Jun 08 j 18:12	0°♃	
	-3315 Nov 30 j 08:13	15°♃		evening set	-3309 Aug 24 j 22:42	14°♃24'28	
evening set	-3314 Mar 10 j 10:37	3°♃08'27			-3309 Aug 27 j 15:14	15°♃	

Planetary Phenomena of Jupiter from -3400 through -2900 (UT), Astrodienst AG 14-Nov-2015 16:04, page 9

Attention, astronomical year style is used: The year -3309 in astronomical counting style is the year 3310 BCE in historical counting style.

max. Earth dist.	-3309 Sep 04 j 20:05	16°♄48'59	6.37158 AU	max. Earth dist.	-3303 Feb 21 j 18:56	6°♁06'07	6.01426 AU
conjunction	-3309 Sep 06 j 14:37	17°♄12'35	1°21'25	morning rise	-3303 Mar 05 j 12:30	8°♁52'42	
minimum elong	-3309 Sep 06 j 14:37	17°♄12'35	1°21'30	retrograde	-3303 Apr 01 j 05:31	15°♁	
morning rise	-3309 Sep 19 j 04:13	19°♄59'37		opposition	-3303 Jul 15 j 02:59	29°♁04'25	
retrograde	-3308 Jan 18 j 15:59	7°♃17'14		opposition	-3303 Sep 12 j 19:13	23°♁59'21	-1°-59'-8
opposition	-3308 Mar 19 j 11:47	2°♃25'40	1°54'48	min. Earth dist.	-3303 Sep 11 j 13:26	24°♁09'30	4.04180 AU
min. Earth dist.	-3308 Mar 20 j 19:15	2°♃15'40	4.33931 AU	direct	-3303 Nov 09 j 20:38	19°♁02'24	
direct	-3308 Apr 08 j 10:25	30°♃♂		evening set	-3302 Feb 06 j 12:42	0°♃	
direct	-3308 May 20 j 23:21	27°♄26'14		conjunction	-3302 Mar 29 j 08:31	11°♃25'53	-1°-13'-17
evening set	-3308 Jul 02 j 01:32	0°♃		minimum elong	-3302 Mar 29 j 08:34	11°♃25'55	1°13'21
max. Earth dist.	-3308 Oct 04 j 20:18	17°♃56'03	6.29396 AU	max. Earth dist.	-3302 Mar 31 j 06:42	11°♃52'44	6.08144 AU
conjunction	-3308 Oct 06 j 12:48	18°♃18'58	1°09'42	morning rise	-3302 Apr 12 j 02:48	14°♃37'15	
minimum elong	-3308 Oct 06 j 12:51	18°♃19'00	1°09'44	retrograde	-3302 Jun 28 j 06:34	0°♃	
morning rise	-3308 Oct 19 j 00:41	21°♃08'32		retrograde	-3302 Aug 18 j 23:30	4°♃03'49	
retrograde	-3308 Nov 29 j 15:11	0°♂		retrograde	-3302 Oct 10 j 00:16	30°♃♃	
opposition	-3307 Feb 19 j 23:08	9°♂06'07		min. Earth dist.	-3302 Oct 16 j 08:27	29°♃08'26	4.13320 AU
opposition	-3307 Apr 22 j 01:42	4°♂13'17	1°21'39	opposition	-3302 Oct 17 j 10:50	28°♃59'25	-1°-29'-11
min. Earth dist.	-3307 Apr 23 j 03:02	4°♂05'13	4.24211 AU	direct	-3302 Dec 15 j 06:01	23°♃59'12	
direct	-3307 May 31 j 23:57	30°♃♃		direct	-3301 Feb 17 j 07:20	0°♃	
direct	-3307 Jun 22 j 15:42	29°♃16'44		evening set	-3301 Apr 21 j 02:04	12°♃49'13	
evening set	-3307 Oct 25 j 17:27	17°♂39'18		conjunction	-3301 May 04 j 20:46	15°♃56'08	0°-42'-1
max. Earth dist.	-3307 Nov 06 j 04:58	20°♂18'39	6.18586 AU	minimum elong	-3301 May 04 j 20:49	15°♃56'09	0°42'00
conjunction	-3307 Nov 07 j 07:58	20°♂34'19	0°36'30	max. Earth dist.	-3301 May 06 j 06:15	16°♃15'05	6.18993 AU
minimum elong	-3307 Nov 07 j 08:01	20°♂34'20	0°36'27	morning rise	-3301 May 18 j 15:09	19°♃02'41	
morning rise	-3307 Nov 19 j 23:07	23°♂29'53		retrograde	-3301 Jul 10 j 07:41	0°♂	
retrograde	-3306 Mar 27 j 06:11	12°♃22'18		retrograde	-3301 Sep 20 j 23:39	7°♂28'31	
opposition	-3306 May 27 j 06:21	7°♃26'38	0°20'35	opposition	-3301 Nov 19 j 10:11	2°♂27'07	0°-30'-36
min. Earth dist.	-3306 May 27 j 18:29	7°♃22'43	4.12985 AU	min. Earth dist.	-3301 Nov 18 j 20:25	2°♂31'46	4.24700 AU
direct	-3306 Jul 26 j 14:24	2°♃32'31		direct	-3301 Dec 08 j 10:58	30°♃♃	
desc. node	-3306 Sep 19 j 20:46	7°♃08'32		direct	-3300 Jan 18 j 11:53	27°♃24'32	
evening set	-3306 Oct 31 j 03:09	15°♃		asc. node	-3300 Feb 28 j 23:03	0°♂	
conjunction	-3306 Dec 10 j 17:33	24°♃21'48	0°-9'-55	asc. node	-3300 May 21 j 11:01	15°♂00'52	
minimum elong	-3306 Dec 10 j 17:33	24°♃21'48	0°10'01	evening set	-3300 May 21 j 09:25	15°♂	
behind sun begin	-3306 Dec 10 j 10:59	24°♃17'56		conjunction	-3300 Jun 07 j 14:32	18°♂47'58	0°02'00
behind sun end	-3306 Dec 11 j 00:06	24°♃25'39		minimum elong	-3300 Jun 07 j 14:32	18°♂47'58	0°02'05
max. Earth dist.	-3306 Dec 10 j 13:24	24°♃19'21	6.08016 AU	behind sun begin	-3300 Jun 07 j 06:15	18°♂43'24	
morning rise	-3306 Dec 23 j 15:25	27°♃24'54		behind sun end	-3300 Jun 07 j 22:50	18°♂52'32	
retrograde	-3305 Jan 03 j 17:25	0°♃		max. Earth dist.	-3300 Jun 07 j 23:33	18°♂52'56	6.30054 AU
retrograde	-3305 May 03 j 00:38	17°♃11'50		morning rise	-3300 Jun 21 j 03:38	21°♂47'34	
opposition	-3305 Jul 02 j 17:38	12°♃12'20	0°-50'-42	retrograde	-3300 Jul 30 j 09:01	0°♂	
min. Earth dist.	-3305 Jul 02 j 10:17	12°♃14'45	4.04014 AU	retrograde	-3300 Oct 21 j 09:31	9°♂21'11	
direct	-3305 Aug 30 j 16:26	7°♃19'17		opposition	-3300 Dec 20 j 02:38	4°♂23'39	0°34'32
evening set	-3304 Jan 01 j 23:07	26°♃29'35		min. Earth dist.	-3300 Dec 20 j 04:26	4°♂23'03	4.34511 AU
conjunction	-3304 Jan 15 j 01:37	29°♃37'14	0°-54'-7	direct	-3299 Jan 29 j 18:11	30°♃♂	
minimum elong	-3304 Jan 15 j 01:34	29°♃37'12	0°54'14	direct	-3299 Feb 19 j 10:54	29°♂20'01	
max. Earth dist.	-3304 Jan 15 j 23:45	29°♃50'27	6.01424 AU	evening set	-3299 Mar 12 j 09:10	0°♂	
morning rise	-3304 Jan 16 j 15:43	0°♂		conjunction	-3299 Jun 27 j 04:31	17°♂21'09	
retrograde	-3304 Jun 08 j 10:12	23°♂05'55		conjunction	-3299 Jul 10 j 11:45	20°♂15'27	0°43'59
opposition	-3304 Aug 07 j 14:52	18°♂02'46	-1°-45'-1	minimum elong	-3299 Jul 10 j 11:42	20°♂15'25	0°44'05
min. Earth dist.	-3304 Aug 06 j 15:55	18°♂10'28	4.00618 AU	max. Earth dist.	-3299 Jul 09 j 20:35	20°♂07'08	6.37857 AU
direct	-3304 Oct 04 j 18:10	13°♂08'35		morning rise	-3299 Jul 23 j 15:41	23°♂08'06	
evening set	-3303 Jan 26 j 22:23	0°♁		retrograde	-3299 Aug 25 j 10:49	0°♁	
conjunction	-3303 Feb 06 j 13:22	2°♁29'27		retrograde	-3299 Nov 21 j 03:21	10°♁11'26	
conjunction	-3303 Feb 19 j 23:26	5°♁40'18	-1°-18'-34	opposition	-3298 Jan 20 j 05:28	5°♁17'25	1°27'38
minimum elong	-3303 Feb 19 j 23:25	5°♁40'18	1°18'41	min. Earth dist.	-3298 Jan 20 j 22:51	5°♁11'47	4.39860 AU
				direct	-3298 Mar 23 j 13:06	0°♁14'14	
				evening set	-3298 Jul 29 j 01:00	18°♁04'46	
				max. Earth dist.	-3298 Aug 09 j 11:34	20°♁34'50	6.40227 AU
				conjunction	-3298 Aug 10 j 23:00	20°♁54'16	1°12'44
				minimum elong	-3298 Aug 10 j 22:57	20°♁54'14	1°12'51

Planetary Phenomena of Jupiter from -3400 through -2900 (UT), Astrodienst AG 14-Nov-2015 16:04, page 10

Attention, astronomical year style is used: The year -3298 in astronomical counting style is the year 3299 BCE in historical counting style.

morning rise	-3298 Aug 23 j 17:58	23°♄42'16		evening set	-3291 Feb 11 j 20:55	7°♁46'25	
	-3298 Sep 22 j 14:48	0°♁					
retrograde	-3298 Dec 22 j 01:59	10°♁41'45		conjunction	-3291 Feb 25 j 07:54	10°♁57'35	-1°-19'-37
opposition	-3297 Feb 20 j 14:11	5°♁49'49	1°55'58	minimum elong	-3291 Feb 25 j 07:53	10°♁57'35	1°19'43
min. Earth dist.	-3297 Feb 21 j 18:50	5°♁40'38	4.39260 AU	max. Earth dist.	-3291 Feb 27 j 04:33	11°♁24'03	6.01689 AU
direct	-3297 Apr 24 j 07:06	0°♁48'12		morning rise	-3291 Mar 10 j 22:06	14°♁10'16	
	-3297 Aug 12 j 04:05	15°♁			-3291 Mar 14 j 10:57	15°♁	
evening set	-3297 Aug 29 j 02:46	18°♁40'21			-3291 May 27 j 18:52	0°♁	
max. Earth dist.	-3297 Sep 08 j 23:15	21°♁04'34	6.36591 AU	retrograde	-3291 Jul 20 j 04:32	4°♁18'16	
					-3291 Sep 12 j 02:50	30°♁	
conjunction	-3297 Sep 10 j 18:09	21°♁28'25	1°21'09	opposition	-3291 Sep 17 j 21:01	29°♁12'59	-1°-57'-15
minimum elong	-3297 Sep 10 j 18:10	21°♁28'25	1°21'13	min. Earth dist.	-3291 Sep 16 j 13:55	29°♁23'36	4.05050 AU
morning rise	-3297 Sep 23 j 07:04	24°♁15'27		direct	-3291 Nov 14 j 23:32	24°♁15'30	
	-3297 Oct 20 j 00:36	0°♁			-3290 Jan 15 j 09:40	0°♁	
retrograde	-3296 Jan 22 j 23:59	11°♁36'50		evening set	-3290 Mar 20 j 23:19	13°♁25'58	
opposition	-3296 Mar 23 j 21:54	6°♁45'14	1°52'13				
min. Earth dist.	-3296 Mar 25 j 05:11	6°♁35'18	4.32860 AU	conjunction	-3290 Apr 03 j 16:19	16°♁36'13	-1°-10'-6
direct	-3296 May 25 j 06:41	1°♁46'10		minimum elong	-3290 Apr 03 j 16:23	16°♁36'15	1°10'09
evening set	-3296 Sep 28 j 04:57	19°♁51'23		max. Earth dist.	-3290 Apr 05 j 15:04	17°♁03'18	6.09525 AU
max. Earth dist.	-3296 Oct 09 j 00:59	22°♁18'40	6.27901 AU	morning rise	-3290 Apr 17 j 10:49	19°♁47'04	
					-3290 Jun 03 j 20:08	0°♁	
conjunction	-3296 Oct 10 j 17:51	22°♁41'53	1°06'21	retrograde	-3290 Aug 23 j 20:37	9°♁04'52	
minimum elong	-3296 Oct 10 j 17:53	22°♁41'54	1°06'22	min. Earth dist.	-3290 Oct 21 j 06:06	4°♁09'07	4.15004 AU
morning rise	-3296 Oct 23 j 06:00	25°♁32'10		opposition	-3290 Oct 22 j 06:49	4°♁00'41	-1°-21'-58
	-3296 Nov 12 j 09:03	0°♁			-3290 Nov 25 j 17:10	30°♁	
retrograde	-3295 Feb 24 j 16:30	13°♁37'23		direct	-3290 Dec 20 j 06:56	29°♁00'00	
opposition	-3295 Apr 26 j 17:27	8°♁44'19	1°14'47		-3289 Jan 14 j 02:01	0°♁	
min. Earth dist.	-3295 Apr 27 j 19:00	8°♁36'10	4.22357 AU	evening set	-3289 Apr 26 j 04:14	17°♁45'19	
direct	-3295 Jun 27 j 04:16	3°♁48'03					
evening set	-3295 Oct 30 j 03:17	22°♁15'27		conjunction	-3289 May 09 j 22:42	20°♁51'21	0°-36'-7
				minimum elong	-3289 May 09 j 22:45	20°♁51'23	0°36'06
conjunction	-3295 Nov 11 j 18:31	25°♁11'37	0°30'43	max. Earth dist.	-3289 May 11 j 05:19	21°♁08'37	6.20810 AU
minimum elong	-3295 Nov 11 j 18:33	25°♁11'38	0°30'39	morning rise	-3289 May 23 j 16:40	23°♁56'55	
max. Earth dist.	-3295 Nov 10 j 17:17	24°♁56'55	6.16550 AU		-3289 Jun 20 j 13:02	0°♁	
morning rise	-3295 Nov 24 j 10:30	28°♁08'25		retrograde	-3289 Sep 25 j 11:42	12°♁13'32	
	-3295 Dec 02 j 12:20	0°♁		min. Earth dist.	-3289 Nov 23 j 11:38	7°♁16'46	4.26463 AU
	-3294 Feb 22 j 05:19	15°♁		opposition	-3289 Nov 24 j 00:01	7°♁12'36	0°-21'-11
retrograde	-3294 Apr 01 j 05:15	17°♁10'47		direct	-3288 Jan 23 j 05:59	2°♁09'41	
	-3294 May 09 j 12:10	15°♁		asc. node	-3288 Mar 30 j 05:13	8°♁23'25	
opposition	-3294 Jun 01 j 04:40	12°♁14'41	0°10'56		-3288 May 04 j 05:48	15°♁	
min. Earth dist.	-3294 Jun 01 j 14:06	12°♁11'39	4.10932 AU	evening set	-3288 May 29 j 19:07	20°♁27'59	
direct	-3294 Jul 31 j 05:59	7°♁20'52					
desc. node	-3294 Aug 01 j 00:24	7°♁20'55		conjunction	-3288 Jun 12 j 09:19	23°♁27'44	0°08'24
	-3294 Oct 12 j 01:17	15°♁		minimum elong	-3288 Jun 12 j 09:18	23°♁27'43	0°08'30
evening set	-3294 Dec 02 j 15:35	26°♁14'23		behind sun begin	-3288 Jun 12 j 02:07	23°♁23'46	
				behind sun end	-3288 Jun 12 j 16:28	23°♁31'40	
conjunction	-3294 Dec 15 j 12:10	29°♁17'23	0°-16'-30	max. Earth dist.	-3288 Jun 12 j 14:41	23°♁30'40	6.31626 AU
minimum elong	-3294 Dec 15 j 12:09	29°♁17'22	0°16'37	morning rise	-3288 Jun 25 j 21:10	26°♁26'09	
max. Earth dist.	-3294 Dec 15 j 11:09	29°♁16'47	6.06132 AU		-3288 Jul 12 j 08:59	0°♁	
	-3294 Dec 18 j 11:51	0°♁		retrograde	-3288 Oct 25 j 19:16	13°♁53'14	
morning rise	-3294 Dec 28 j 11:14	2°♁21'51		opposition	-3288 Dec 24 j 12:50	8°♁56'16	0°43'09
retrograde	-3293 May 08 j 06:53	22°♁17'54		min. Earth dist.	-3288 Dec 24 j 17:32	8°♁54'43	4.35769 AU
opposition	-3293 Jul 07 j 21:28	17°♁17'50	0°-59'-53	direct	-3287 Feb 24 j 01:52	3°♁52'35	
min. Earth dist.	-3293 Jul 07 j 11:46	17°♁21'03	4.02483 AU	evening set	-3287 Jul 01 j 18:20	21°♁50'53	
direct	-3293 Sep 04 j 16:43	12°♁24'46		max. Earth dist.	-3287 Jul 14 j 04:47	24°♁33'40	6.38682 AU
	-3293 Dec 31 j 00:13	0°♁					
evening set	-3292 Jan 07 j 01:08	1°♁40'01		conjunction	-3287 Jul 15 j 00:12	24°♁44'18	0°49'04
				minimum elong	-3287 Jul 15 j 00:09	24°♁44'16	0°49'10
conjunction	-3292 Jan 20 j 04:55	4°♁48'39	0°-59'-2	morning rise	-3287 Jul 28 j 02:52	27°♁36'04	
minimum elong	-3292 Jan 20 j 04:52	4°♁48'37	0°59'09		-3287 Aug 08 j 06:05	0°♁	
max. Earth dist.	-3292 Jan 21 j 08:11	5°♁04'57	6.00394 AU	retrograde	-3287 Nov 25 j 11:17	14°♁36'51	
morning rise	-3292 Feb 02 j 11:50	7°♁59'02		opposition	-3286 Jan 24 j 14:58	9°♁43'12	1°33'21
retrograde	-3292 Jun 13 j 18:38	28°♁22'02		min. Earth dist.	-3286 Jan 25 j 10:19	9°♁36'55	4.40233 AU
opposition	-3292 Aug 12 j 20:03	23°♁18'28	-1°-49'-43	direct	-3286 Mar 28 j 00:28	4°♁40'05	
min. Earth dist.	-3292 Aug 11 j 19:06	23°♁26'52	4.00236 AU	evening set	-3286 Aug 02 j 10:54	22°♁29'54	
direct	-3292 Oct 09 j 21:00	18°♁24'00		max. Earth dist.	-3286 Aug 13 j 19:29	24°♁59'00	6.40109 AU
	-3291 Jan 08 j 16:41	0°♁					

Planetary Phenomena of Jupiter from -3400 through -2900 (UT), Astrodienst AG 14-Nov-2015 16:04, page 11

Attention, astronomical year style is used: The year -3286 in astronomical counting style is the year 3287 BCE in historical counting style.

conjunction	-3286 Aug 15 j 07:51	25°☉18'59	1°15'16	retrograde	-3280 Jun 18 j 23:12	3°≈36'41	
minimum elong	-3286 Aug 15 j 07:48	25°☉18'57	1°15'22		-3280 Aug 07 j 02:19	30°R☉	
morning rise	-3286 Aug 28 j 01:34	28°☉06'33		min. Earth dist.	-3280 Aug 16 j 21:08	28°☉41'56	4.00758 AU
	-3286 Sep 05 j 18:54	0°♁		opposition	-3280 Aug 18 j 00:28	28°☉32'41	-1°-53'-33
	-3286 Dec 17 j 13:47	15°♁		direct	-3280 Oct 15 j 00:02	23°☉37'53	
retrograde	-3286 Dec 26 j 11:53	15°♁07'32			-3280 Dec 18 j 11:51	0°≈	
	-3285 Jan 04 j 10:13	15°R♁		evening set	-3279 Feb 17 j 02:45	12°≈58'37	
opposition	-3285 Feb 25 j 01:44	10°♁15'48	1°57'29		-3279 Feb 25 j 16:46	15°≈	
min. Earth dist.	-3285 Feb 26 j 07:24	10°♁06'19	4.38673 AU				
direct	-3285 Apr 28 j 18:21	5°♁14'30		conjunction	-3279 Mar 02 j 14:46	16°≈09'43	-1°-20'-4
	-3285 Jul 25 j 16:15	15°♁		minimum elong	-3279 Mar 02 j 14:46	16°≈09'44	1°20'09
evening set	-3285 Sep 02 j 11:49	23°♁08'00		max. Earth dist.	-3279 Mar 04 j 13:54	16°≈37'35	6.02745 AU
max. Earth dist.	-3285 Sep 13 j 05:36	25°♁31'11	6.35564 AU	morning rise	-3279 Mar 16 j 05:34	19°≈22'11	
					-3279 May 03 j 15:26	0°✠	
conjunction	-3285 Sep 15 j 02:26	25°♁56'11	1°20'27	retrograde	-3279 Jul 25 j 04:54	9°✠23'39	
minimum elong	-3285 Sep 15 j 02:27	25°♁56'12	1°20'31	opposition	-3279 Sep 22 j 19:44	4°✠18'22	-1°-54'-31
morning rise	-3285 Sep 27 j 15:06	28°♁43'30		min. Earth dist.	-3279 Sep 21 j 13:42	4°✠28'37	4.06509 AU
	-3285 Oct 03 j 09:41	0°♁			-3279 Oct 31 j 09:11	30°R≈	
retrograde	-3284 Jan 27 j 16:26	16°♁10'07		direct	-3279 Nov 20 j 01:19	29°≈20'26	
opposition	-3284 Mar 28 j 14:08	11°♁18'26	1°48'53		-3279 Dec 09 j 19:26	0°✠	
min. Earth dist.	-3284 Mar 29 j 21:49	11°♁08'21	4.31456 AU	evening set	-3278 Mar 26 j 02:36	18°✠26'44	
direct	-3284 May 29 j 20:45	6°♁19'41					
evening set	-3284 Oct 02 j 15:46	24°♁28'06		conjunction	-3278 Apr 08 j 20:01	21°✠36'26	-1°-6'-30
max. Earth dist.	-3284 Oct 13 j 14:19	26°♁57'19	6.26249 AU	minimum elong	-3278 Apr 08 j 20:05	21°✠36'28	1°06'32
				max. Earth dist.	-3278 Apr 10 j 17:16	22°✠02'31	6.11246 AU
conjunction	-3284 Oct 15 j 04:56	27°♁19'21	1°02'25	morning rise	-3278 Apr 22 j 14:47	24°✠46'35	
minimum elong	-3284 Oct 15 j 04:59	27°♁19'23	1°02'25		-3278 May 15 j 23:33	0°Υ	
	-3284 Oct 26 j 22:53	0°♁		retrograde	-3278 Aug 28 j 11:22	13°Υ55'00	
morning rise	-3284 Oct 27 j 17:17	0°♁10'26		opposition	-3278 Oct 26 j 22:23	8°Υ51'13	-1°-14'-27
retrograde	-3283 Mar 01 j 14:27	18°♁23'43		min. Earth dist.	-3278 Oct 25 j 22:27	8°Υ59'22	4.16805 AU
opposition	-3283 May 01 j 15:49	13°♁30'21	1°07'00	direct	-3278 Dec 25 j 01:45	3°Υ50'10	
min. Earth dist.	-3283 May 02 j 15:14	13°♁22'52	4.20576 AU	evening set	-3277 May 01 j 02:05	22°Υ30'59	
direct	-3283 Jul 01 j 21:23	8°♁34'34					
evening set	-3283 Nov 03 j 19:09	27°♁06'09		conjunction	-3277 May 14 j 20:13	25°Υ36'09	0°-30'-11
				minimum elong	-3277 May 14 j 20:16	25°Υ36'11	0°30'10
conjunction	-3283 Nov 16 j 10:52	0°♁03'18	0°24'23	max. Earth dist.	-3277 May 15 j 22:27	25°Υ50'54	6.22555 AU
minimum elong	-3283 Nov 16 j 10:54	0°♁03'19	0°24'20	morning rise	-3277 May 28 j 13:39	28°Υ40'44	
max. Earth dist.	-3283 Nov 15 j 12:11	29°♁50'02	6.14811 AU		-3277 Jun 03 j 12:32	0°♁	
	-3283 Nov 16 j 05:13	0°♁			-3277 Aug 26 j 23:41	15°♁	
morning rise	-3283 Nov 29 j 03:49	3°♁01'16		retrograde	-3277 Sep 29 j 22:55	16°♁49'16	
	-3282 Jan 24 j 11:56	15°♁			-3277 Nov 02 j 15:33	15°R♁	
retrograde	-3282 Apr 06 j 10:37	22°♁12'28		opposition	-3277 Nov 28 j 10:35	11°♁48'54	0°-11'-59
opposition	-3282 Jun 06 j 08:46	17°♁15'51	0°00'40	min. Earth dist.	-3277 Nov 28 j 01:37	11°♁51'55	4.27983 AU
min. Earth dist.	-3282 Jun 06 j 15:31	17°♁13'40	4.09389 AU	direct	-3276 Jan 27 j 21:53	6°♁45'49	
desc. node	-3282 Jun 10 j 00:24	16°♁47'29		asc. node	-3276 Feb 08 j 08:15	6°♁58'18	
	-3282 Jun 24 j 13:09	15°R♁			-3276 Apr 15 j 12:36	15°♁	
direct	-3282 Aug 05 j 05:54	12°♁22'17		evening set	-3276 Jun 03 j 10:58	25°♁00'50	
	-3282 Sep 15 j 02:54	15°♁					
	-3282 Dec 01 j 22:47	0°♁		conjunction	-3276 Jun 17 j 00:17	27°♁59'43	0°14'33
evening set	-3282 Dec 07 j 14:02	1°♁19'40		minimum elong	-3276 Jun 17 j 00:16	27°♁59'42	0°14'39
				behind sun begin	-3276 Jun 16 j 21:04	27°♁57'57	
conjunction	-3282 Dec 20 j 11:42	4°♁23'38	0°-23'-17	behind sun end	-3276 Jun 17 j 03:28	28°♁01'27	
minimum elong	-3282 Dec 20 j 11:40	4°♁23'37	0°23'24	max. Earth dist.	-3276 Jun 17 j 02:05	28°♁00'42	6.32806 AU
max. Earth dist.	-3282 Dec 20 j 16:09	4°♁26'17	6.04958 AU		-3276 Jun 26 j 02:42	0°♁	
morning rise	-3281 Jan 02 j 11:46	7°♁29'05		morning rise	-3276 Jun 30 j 10:58	0°♁57'12	
retrograde	-3281 May 13 j 15:51	27°♁30'53		retrograde	-3276 Oct 30 j 01:38	18°♁19'39	
opposition	-3281 Jul 13 j 04:03	22°♁30'21	-1°-8'-54	opposition	-3276 Dec 28 j 20:55	13°♁23'13	0°51'18
min. Earth dist.	-3281 Jul 12 j 15:39	22°♁34'27	4.01842 AU	min. Earth dist.	-3276 Dec 29 j 03:21	13°♁21'06	4.36549 AU
direct	-3281 Sep 09 j 19:41	17°♁37'16		direct	-3275 Feb 28 j 11:56	8°♁19'34	
	-3281 Dec 13 j 06:46	0°♁		evening set	-3275 Jul 06 j 05:58	26°♁16'43	
evening set	-3280 Jan 12 j 05:24	6°♁54'07		max. Earth dist.	-3275 Jul 18 j 11:57	28°♁57'06	6.39004 AU
conjunction	-3280 Jan 25 j 10:01	10°♁03'11	-1°-3'-36	conjunction	-3275 Jul 19 j 10:33	29°♁09'28	0°53'45
minimum elong	-3280 Jan 25 j 09:58	10°♁03'09	1°03'43	minimum elong	-3275 Jul 19 j 10:30	29°♁09'26	0°53'52
max. Earth dist.	-3280 Jan 26 j 15:46	10°♁20'58	6.00317 AU		-3275 Jul 23 j 06:52	0°♁	
morning rise	-3280 Feb 07 j 18:08	13°♁14'03		morning rise	-3275 Aug 01 j 11:54	2°♁00'35	
	-3280 May 01 j 03:28	0°≈		retrograde	-3275 Nov 29 j 20:09	19°♁00'44	

Planetary Phenomena of Jupiter from -3400 through -2900 (UT), Astrodienst AG 14-Nov-2015 16:04, page 12

Attention, astronomical year style is used: The year -3274 in astronomical counting style is the year 3275 BCE in historical counting style.

opposition	-3274 Jan 28 j 23:51	14°♄07'30	1°38'28	conjunction	-3268 Jan 30 j 14:00	15°♃13'43	-1°-7'-38
min. Earth dist.	-3274 Jan 29 j 21:43	14°♄00'26	4.40101 AU	minimum elong	-3268 Jan 30 j 13:57	15°♃13'42	1°07'46
direct	-3274 Apr 01 j 11:24	9°♄04'37		max. Earth dist.	-3268 Jan 31 j 23:58	15°♃34'01	6.00467 AU
evening set	-3274 Aug 06 j 20:18	26°♄55'17		morning rise	-3268 Feb 12 j 22:54	18°♃24'52	
max. Earth dist.	-3274 Aug 18 j 01:09	29°♄22'40	6.39514 AU		-3268 Apr 05 j 14:49	0°♁	
				retrograde	-3268 Jun 24 j 03:25	8°♁46'08	
conjunction	-3274 Aug 19 j 16:11	29°♄44'09	1°17'19	min. Earth dist.	-3268 Aug 21 j 23:16	3°♁51'05	4.01376 AU
minimum elong	-3274 Aug 19 j 16:09	29°♄44'08	1°17'24	opposition	-3268 Aug 23 j 02:39	3°♁41'49	-1°-56'-28
	-3274 Aug 20 j 21:00	0°♁			-3268 Sep 23 j 05:00	30°♂♃	
morning rise	-3274 Sep 01 j 09:05	2°♁31'36		direct	-3268 Oct 20 j 02:59	28°♃46'37	
	-3274 Nov 04 j 16:47	15°♁			-3268 Nov 16 j 00:50	0°♁	
retrograde	-3274 Dec 30 j 23:35	19°♁35'44			-3267 Feb 08 j 23:10	15°♁	
	-3273 Feb 27 j 12:29	15°♂♁		evening set	-3267 Feb 22 j 07:08	18°♁05'37	
opposition	-3273 Mar 01 j 14:16	14°♁44'06	1°58'17				
min. Earth dist.	-3273 Mar 02 j 20:23	14°♁34'29	4.37685 AU	conjunction	-3267 Mar 07 j 19:57	21°♁16'38	-1°-19'-55
direct	-3273 May 03 j 05:19	9°♁43'07		minimum elong	-3267 Mar 07 j 19:57	21°♁16'38	1°20'01
	-3273 Jul 04 j 12:53	15°♁		max. Earth dist.	-3267 Mar 09 j 19:29	21°♁44'37	6.03756 AU
evening set	-3273 Sep 06 j 21:16	27°♁39'01		morning rise	-3267 Mar 21 j 11:34	24°♁28'56	
	-3273 Sep 17 j 10:19	0°♂			-3267 Apr 14 j 16:12	0°♂	
max. Earth dist.	-3273 Sep 17 j 16:28	0°♂03'26	6.34268 AU	retrograde	-3267 Jul 30 j 01:33	14°♂23'54	
				min. Earth dist.	-3267 Sep 26 j 09:48	9°♂29'03	4.07820 AU
conjunction	-3273 Sep 19 j 11:33	0°♂27'33	1°19'15	opposition	-3267 Sep 27 j 16:07	9°♂18'42	-1°-51'-3
minimum elong	-3273 Sep 19 j 11:34	0°♂27'33	1°19'18	direct	-3267 Nov 24 j 23:12	4°♂20'18	
morning rise	-3273 Oct 01 j 23:46	3°♂15'13		evening set	-3266 Mar 31 j 04:34	23°♂23'18	
retrograde	-3272 Feb 01 j 09:49	20°♂47'59					
opposition	-3272 Apr 02 j 08:13	15°♂56'10	1°44'48	conjunction	-3266 Apr 13 j 22:21	26°♂32'30	-1°-2'-30
min. Earth dist.	-3272 Apr 03 j 15:02	15°♂46'23	4.29936 AU	minimum elong	-3266 Apr 13 j 22:25	26°♂32'32	1°02'31
direct	-3272 Jun 03 j 11:52	10°♂57'55		max. Earth dist.	-3266 Apr 15 j 16:28	26°♂56'42	6.12745 AU
evening set	-3272 Oct 07 j 04:03	29°♂09'30		morning rise	-3266 Apr 27 j 17:18	29°♂42'02	
	-3272 Oct 10 j 20:49	0°♂			-3266 Apr 29 j 00:52	0°♂	
max. Earth dist.	-3272 Oct 18 j 03:31	1°♂39'52	6.24638 AU	retrograde	-3266 Sep 02 j 03:07	18°♂42'12	
				opposition	-3266 Oct 31 j 13:14	13°♂38'47	-1°-6'-33
conjunction	-3272 Oct 19 j 17:12	2°♂01'26	0°58'01	min. Earth dist.	-3266 Oct 30 j 16:02	13°♂46'00	4.18324 AU
minimum elong	-3272 Oct 19 j 17:15	2°♂01'28	0°58'00	direct	-3266 Dec 29 j 21:31	8°♂37'20	
morning rise	-3272 Nov 01 j 06:06	4°♂53'24		evening set	-3265 May 05 j 23:15	27°♂14'39	
retrograde	-3271 Mar 06 j 14:09	23°♂14'28			-3265 May 18 j 07:04	0°♂	
opposition	-3271 May 06 j 15:44	18°♂20'39	0°58'37				
min. Earth dist.	-3271 May 07 j 12:44	18°♂13'56	4.18977 AU	conjunction	-3265 May 19 j 17:11	0°♂19'06	0°-24'-6
direct	-3271 Jul 06 j 17:12	13°♂25'13		minimum elong	-3265 May 19 j 17:13	0°♂19'08	0°24'03
	-3271 Oct 30 j 20:13	0°♂		max. Earth dist.	-3265 May 20 j 17:00	0°♂32'27	6.23989 AU
evening set	-3271 Nov 08 j 11:59	2°♂00'02		morning rise	-3265 Jun 02 j 09:52	3°♂22'47	
max. Earth dist.	-3271 Nov 20 j 10:43	4°♂47'40	6.13385 AU		-3265 Jul 29 j 14:55	15°♂	
				retrograde	-3265 Oct 04 j 08:08	21°♂24'20	
conjunction	-3271 Nov 21 j 04:32	4°♂58'06	0°17'49	opposition	-3265 Dec 02 j 21:05	16°♂24'32	0°-2'-43
minimum elong	-3271 Nov 21 j 04:33	4°♂58'07	0°17'46	min. Earth dist.	-3265 Dec 02 j 13:34	16°♂27'03	4.29218 AU
morning rise	-3271 Dec 03 j 22:12	7°♂57'02			-3265 Dec 13 j 13:15	15°♂♃	
retrograde	-3270 Jan 04 j 05:58	15°♂		asc. node	-3265 Dec 19 j 05:17	14°♂17'32	
	-3270 Apr 11 j 15:42	27°♂15'25		direct	-3264 Feb 01 j 11:04	11°♂21'18	
desc. node	-3270 Apr 19 j 03:13	27°♂10'08			-3264 Mar 22 j 16:07	15°♂	
opposition	-3270 Jun 11 j 12:59	22°♂18'16	0°-9'-40	evening set	-3264 Jun 08 j 03:26	29°♂33'59	
min. Earth dist.	-3270 Jun 11 j 17:09	22°♂16'55	4.08253 AU		-3264 Jun 10 j 03:01	0°♂	
direct	-3270 Aug 10 j 06:10	17°♂24'54					
	-3270 Nov 14 j 15:05	0°♂♃		conjunction	-3264 Jun 21 j 15:36	2°♂32'02	0°20'40
evening set	-3270 Dec 12 j 12:31	6°♂24'33		minimum elong	-3264 Jun 21 j 15:34	2°♂32'02	0°20'45
				max. Earth dist.	-3264 Jun 21 j 12:29	2°♂30'20	6.33747 AU
conjunction	-3270 Dec 25 j 10:53	9°♂29'12	0°-29'-52	morning rise	-3264 Jul 05 j 01:13	5°♂28'40	
minimum elong	-3270 Dec 25 j 10:51	9°♂29'11	0°29'59	retrograde	-3264 Nov 03 j 11:08	22°♂47'17	
max. Earth dist.	-3270 Dec 25 j 18:00	9°♂33'26	6.04186 AU	opposition	-3263 Jan 02 j 06:02	17°♂51'23	0°59'15
morning rise	-3269 Jan 07 j 12:09	12°♂35'28		min. Earth dist.	-3263 Jan 02 j 15:43	17°♂48'12	4.37146 AU
	-3269 Apr 06 j 20:14	0°♂		direct	-3263 Mar 05 j 01:14	12°♂47'45	
retrograde	-3269 May 18 j 21:08	2°♂41'18			-3263 Jul 07 j 08:45	0°♂	
	-3269 Jun 30 j 02:07	30°♂♃		evening set	-3263 Jul 10 j 18:19	0°♂44'11	
opposition	-3269 Jul 18 j 09:08	27°♂40'08	-1°-17'-17				
min. Earth dist.	-3269 Jul 17 j 17:33	27°♂45'18	4.01525 AU	conjunction	-3263 Jul 23 j 21:47	3°♂36'22	0°58'12
direct	-3269 Sep 14 j 21:25	22°♂46'54		minimum elong	-3263 Jul 23 j 21:44	3°♂36'20	0°58'20
	-3269 Nov 23 j 02:41	0°♂		max. Earth dist.	-3263 Jul 22 j 20:58	3°♂22'47	6.39197 AU
evening set	-3268 Jan 17 j 08:17	12°♂04'18		morning rise	-3263 Aug 05 j 21:49	6°♂26'54	

Planetary Phenomena of Jupiter from -3400 through -2900 (UT), Astrodienst AG 14-Nov-2015 16:04, page 13

Attention, astronomical year style is used: The year -3263 in astronomical counting style is the year 3264 BCE in historical counting style.

retrograde	-3263 Dec 04 j 04:17	23°♄26'51		min. Earth dist.	-3257 Jul 22 j 18:32	2°♃48'55	4.01370 AU
opposition	-3262 Feb 02 j 10:10	18°♄33'56	1°43'08		-3257 Aug 14 j 05:17	30°♃♂	
min. Earth dist.	-3262 Feb 03 j 08:39	18°♄26'41	4.39922 AU	direct	-3257 Sep 19 j 21:28	27°♂♂50'03	
direct	-3262 Apr 05 j 21:38	13°♄31'19			-3257 Oct 26 j 03:45	0°♃	
	-3262 Aug 04 j 22:18	0°♂		evening set	-3256 Jan 22 j 08:42	17°♃07'53	
evening set	-3262 Aug 11 j 06:33	1°♂22'45					
max. Earth dist.	-3262 Aug 22 j 09:56	3°♂49'38	6.38981 AU	conjunction	-3256 Feb 04 j 15:19	20°♃17'37	-1°-11'-3
				minimum elong	-3256 Feb 04 j 15:16	20°♃17'35	1°11'10
conjunction	-3262 Aug 24 j 01:23	4°♂11'24	1°18'59	max. Earth dist.	-3256 Feb 06 j 02:51	20°♃38'48	6.00672 AU
minimum elong	-3262 Aug 24 j 01:21	4°♂11'23	1°19'04	morning rise	-3256 Feb 18 j 01:20	23°♃29'06	
morning rise	-3262 Sep 05 j 17:21	6°♂58'42			-3256 Mar 17 j 09:46	0°♁	
	-3262 Oct 14 j 04:38	15°♂		retrograde	-3256 Jun 29 j 03:04	13°♁48'41	
retrograde	-3261 Jan 04 j 12:56	24°♂05'50		min. Earth dist.	-3256 Aug 26 j 20:37	8°♁53'53	4.01948 AU
opposition	-3261 Mar 06 j 04:09	19°♂14'22	1°58'27	opposition	-3256 Aug 28 j 01:20	8°♁44'09	-1°-58'-25
min. Earth dist.	-3261 Mar 07 j 11:08	19°♂04'29	4.36851 AU	direct	-3256 Oct 25 j 00:35	3°♁48'34	
	-3261 Apr 15 j 01:32	15°♂♂			-3255 Jan 22 j 07:18	15°♁	
direct	-3261 May 07 j 19:15	14°♂13'50		evening set	-3255 Feb 27 j 08:48	23°♁06'26	
	-3261 May 30 j 13:43	15°♂					
	-3261 Sep 01 j 09:03	0°♂♂		conjunction	-3255 Mar 12 j 22:29	26°♁17'25	-1°-19'-12
evening set	-3261 Sep 11 j 07:27	2°♂11'24		minimum elong	-3255 Mar 12 j 22:30	26°♁17'26	1°19'17
max. Earth dist.	-3261 Sep 22 j 01:49	4°♂35'48	6.33204 AU	max. Earth dist.	-3255 Mar 14 j 21:06	26°♁44'48	6.04632 AU
				morning rise	-3255 Mar 26 j 14:49	29°♁29'37	
conjunction	-3261 Sep 23 j 21:14	5°♂00'09	1°17'36		-3255 Mar 28 j 19:07	0°♂	
minimum elong	-3261 Sep 23 j 21:16	5°♂00'10	1°17'39	retrograde	-3255 Aug 03 j 21:20	19°♂19'00	
morning rise	-3261 Oct 06 j 09:20	7°♂48'12		min. Earth dist.	-3255 Oct 01 j 05:32	14°♂23'42	4.08894 AU
retrograde	-3260 Feb 06 j 02:52	25°♂26'20		opposition	-3255 Oct 02 j 10:11	14°♂13'54	-1°-46'-55
opposition	-3260 Apr 07 j 02:37	20°♂34'19	1°40'06	direct	-3255 Nov 29 j 20:30	9°♂15'01	
min. Earth dist.	-3260 Apr 08 j 07:41	20°♂25'04	4.28718 AU	evening set	-3254 Apr 05 j 04:32	28°♂15'46	
direct	-3260 Jun 08 j 03:00	15°♂36'30			-3254 Apr 12 j 19:02	0°♂	
	-3260 Sep 24 j 12:41	0°♂♂		conjunction	-3254 Apr 18 j 22:53	1°♂24'40	0°-58'-9
evening set	-3260 Oct 11 j 16:01	3°♂50'14		minimum elong	-3254 Apr 18 j 22:57	1°♂24'43	0°58'10
max. Earth dist.	-3260 Oct 22 j 19:37	6°♂23'21	6.23388 AU	max. Earth dist.	-3254 Apr 20 j 16:09	1°♂48'19	6.13958 AU
				morning rise	-3254 May 02 j 17:50	4°♂33'42	
conjunction	-3260 Oct 24 j 05:28	6°♂42'47	0°53'17	retrograde	-3254 Sep 06 j 16:37	23°♂26'42	
minimum elong	-3260 Oct 24 j 05:31	6°♂42'49	0°53'17	min. Earth dist.	-3254 Nov 04 j 06:33	18°♂30'31	4.19556 AU
morning rise	-3260 Nov 05 j 18:38	9°♂35'27		opposition	-3254 Nov 05 j 02:32	18°♂23'44	0°-58'-23
retrograde	-3259 Mar 11 j 13:13	28°♂03'04		direct	-3253 Jan 03 j 13:19	13°♂22'00	
opposition	-3259 May 11 j 14:50	23°♂08'54	0°49'56	evening set	-3253 May 01 j 23:47	0°♂	
min. Earth dist.	-3259 May 12 j 10:08	23°♂02'43	4.17767 AU		-3253 May 10 j 19:43	1°♂56'55	
direct	-3259 Jul 11 j 13:09	18°♂13'52					
	-3259 Oct 13 j 17:16	0°♂♂		conjunction	-3253 May 24 j 13:06	5°♂00'42	0°-17'-56
evening set	-3259 Nov 13 j 03:41	6°♂50'43		minimum elong	-3253 May 24 j 13:08	5°♂00'43	0°17'53
				max. Earth dist.	-3253 May 25 j 08:07	5°♂11'20	6.25163 AU
conjunction	-3259 Nov 25 j 20:42	9°♂49'30	0°11'16	morning rise	-3253 Jun 07 j 05:20	8°♂03'39	
minimum elong	-3259 Nov 25 j 20:43	9°♂49'30	0°11'12		-3253 Jul 09 j 16:08	15°♂	
behind sun begin	-3259 Nov 25 j 14:42	9°♂46'00		retrograde	-3253 Oct 08 j 18:39	25°♂59'13	
behind sun end	-3259 Nov 26 j 02:43	9°♂53'01		asc. node	-3253 Oct 29 j 12:13	25°♂16'46	
max. Earth dist.	-3259 Nov 25 j 04:56	9°♂40'14	6.12319 AU	opposition	-3253 Dec 07 j 07:31	20°♂59'55	0°06'28
morning rise	-3259 Dec 08 j 15:24	12°♂49'19		min. Earth dist.	-3253 Dec 07 j 02:50	21°♂01'29	4.30243 AU
	-3259 Dec 18 j 00:51	15°♂		direct	-3252 Feb 06 j 02:15	15°♂56'31	
desc. node	-3258 Feb 27 j 10:14	28°♂46'15			-3252 May 24 j 14:10	0°♂	
	-3258 Mar 09 j 08:50	0°♂♂		evening set	-3252 Jun 12 j 19:13	4°♂07'17	
retrograde	-3258 Apr 16 j 17:20	2°♂13'44					
	-3258 May 25 j 07:43	30°♂♂		conjunction	-3252 Jun 26 j 06:31	7°♂04'36	0°26'36
opposition	-3258 Jun 16 j 14:50	27°♂16'01	0°-19'-43	minimum elong	-3252 Jun 26 j 06:29	7°♂04'35	0°26'42
min. Earth dist.	-3258 Jun 16 j 15:34	27°♂15'47	4.07420 AU	max. Earth dist.	-3252 Jun 26 j 01:53	7°♂02'03	6.34560 AU
direct	-3258 Aug 15 j 03:36	22°♂22'46		morning rise	-3252 Jul 09 j 14:47	10°♂00'22	
	-3258 Oct 26 j 06:20	0°♂♂		retrograde	-3252 Nov 07 j 18:03	27°♂15'31	
evening set	-3258 Dec 17 j 08:56	11°♂24'02		opposition	-3251 Jan 06 j 15:22	22°♂20'03	1°06'47
				min. Earth dist.	-3251 Jan 07 j 01:55	22°♂16'35	4.37710 AU
conjunction	-3258 Dec 30 j 08:18	14°♂29'19	0°-36'-4	direct	-3251 Mar 09 j 12:35	17°♂16'30	
minimum elong	-3258 Dec 30 j 08:15	14°♂29'17	0°36'11		-3251 Jun 20 j 17:11	0°♂	
max. Earth dist.	-3258 Dec 30 j 20:06	14°♂36'21	6.03661 AU	evening set	-3251 Jul 15 j 06:23	5°♂11'49	
morning rise	-3257 Jan 12 j 10:24	17°♂36'12		max. Earth dist.	-3251 Jul 27 j 04:36	7°♂48'05	6.39455 AU
	-3257 Mar 10 j 12:58	0°♂					
retrograde	-3257 May 24 j 01:25	7°♂45'06		conjunction	-3251 Jul 28 j 08:25	8°♂03'19	1°02'18
opposition	-3257 Jul 23 j 10:57	2°♂43'27	-1°-24'-52				

Planetary Phenomena of Jupiter from -3400 through -2900 (UT), Astrodienst AG 14-Nov-2015 16:04, page 14

Attention, astronomical year style is used: The year -3251 in astronomical counting style is the year 3252 BCE in historical counting style.

minimum elong	-3251 Jul 28 j 08:22	8°♄03'18	1°02'24	morning rise	-3245 Jan 17 j 10:55	22°♄40'42	
morning rise	-3251 Aug 10 j 07:19	10°♄53'14			-3245 Feb 18 j 10:35	0°♄	
retrograde	-3251 Dec 08 j 13:59	27°♄52'36		retrograde	-3245 May 29 j 06:11	12°♄54'10	
opposition	-3250 Feb 06 j 20:32	22°♄59'57	1°47'10	opposition	-3245 Jul 28 j 14:54	7°♄52'03	-1°-32'-1
min. Earth dist.	-3250 Feb 07 j 21:11	22°♄52'00	4.39862 AU	min. Earth dist.	-3245 Jul 27 j 19:36	7°♄58'29	4.00843 AU
direct	-3250 Apr 10 j 10:49	17°♄57'30		direct	-3245 Sep 24 j 21:33	2°♄58'29	
	-3250 Jul 19 j 06:13	0°♄		evening set	-3244 Jan 27 j 12:34	22°♄18'17	
evening set	-3250 Aug 15 j 15:48	5°♄48'47					
max. Earth dist.	-3250 Aug 26 j 17:35	8°♄15'00	6.38574 AU	conjunction	-3244 Feb 09 j 20:13	25°♄28'30	-1°-14'-1
				minimum elong	-3244 Feb 09 j 20:11	25°♄28'29	1°14'07
conjunction	-3250 Aug 28 j 09:48	8°♄37'12	1°20'10	max. Earth dist.	-3244 Feb 11 j 09:50	25°♄50'55	6.00596 AU
minimum elong	-3250 Aug 28 j 09:47	8°♄37'11	1°20'16	morning rise	-3244 Feb 23 j 07:13	28°♄40'26	
morning rise	-3250 Sep 10 j 00:53	11°♄24'18			-3244 Feb 28 j 22:28	0°♄	
	-3250 Sep 26 j 15:42	15°♄			-3244 May 13 j 21:46	15°♄	
retrograde	-3249 Jan 08 j 23:20	28°♄33'54		retrograde	-3244 Jul 04 j 07:05	18°♄59'14	
opposition	-3249 Mar 10 j 17:11	23°♄42'21	1°57'54		-3244 Aug 25 j 00:53	15°♄	
min. Earth dist.	-3249 Mar 11 j 23:28	23°♄32'42	4.36115 AU	min. Earth dist.	-3244 Aug 31 j 22:19	14°♄04'18	4.02342 AU
direct	-3249 May 12 j 06:38	18°♄42'07		opposition	-3244 Sep 02 j 03:15	13°♄54'28	-1°-59'-33
	-3249 Aug 15 j 12:51	0°♄		direct	-3244 Oct 30 j 03:37	8°♄58'29	
evening set	-3249 Sep 15 j 16:07	6°♄40'47			-3244 Dec 31 j 19:57	15°♄	
max. Earth dist.	-3249 Sep 26 j 11:17	9°♄06'01	6.32177 AU	evening set	-3243 Mar 04 j 14:45	28°♄15'52	
					-3243 Mar 12 j 01:01	0°♄	
conjunction	-3249 Sep 28 j 05:33	9°♄29'47	1°15'30				
minimum elong	-3249 Sep 28 j 05:35	9°♄29'48	1°15'32	conjunction	-3243 Mar 18 j 05:27	1°♄26'55	-1°-17'-51
morning rise	-3249 Oct 10 j 17:26	12°♄18'11		minimum elong	-3243 Mar 18 j 05:29	1°♄26'56	1°17'55
	-3248 Feb 06 j 14:29	0°♄		max. Earth dist.	-3243 Mar 20 j 05:56	1°♄55'18	6.05477 AU
retrograde	-3248 Feb 10 j 20:06	0°♄01'41		morning rise	-3243 Mar 31 j 22:23	4°♄39'00	
	-3248 Feb 15 j 01:40	30°♄		retrograde	-3243 Aug 08 j 19:57	24°♄22'17	
opposition	-3248 Apr 11 j 20:12	25°♄09'27	1°34'48	min. Earth dist.	-3243 Oct 06 j 03:00	19°♄27'09	4.10119 AU
min. Earth dist.	-3248 Apr 13 j 01:19	25°♄00'12	4.27425 AU	opposition	-3243 Oct 07 j 07:28	19°♄17'25	-1°-41'-51
direct	-3248 Jun 12 j 18:51	20°♄12'00		direct	-3243 Dec 04 j 19:31	14°♄18'13	
	-3248 Sep 06 j 23:45	0°♄			-3242 Mar 26 j 19:02	0°♄	
evening set	-3248 Oct 16 j 02:55	8°♄28'07		evening set	-3242 Apr 10 j 08:23	3°♄16'06	
max. Earth dist.	-3248 Oct 27 j 07:21	11°♄02'14	6.21934 AU				
				conjunction	-3242 Apr 24 j 02:48	6°♄24'25	0°-53'-16
conjunction	-3248 Oct 28 j 16:35	11°♄21'22	0°48'15	minimum elong	-3242 Apr 24 j 02:52	6°♄24'28	0°53'16
minimum elong	-3248 Oct 28 j 16:38	11°♄21'24	0°48'14	max. Earth dist.	-3242 Apr 25 j 17:09	6°♄46'19	6.15486 AU
morning rise	-3248 Nov 10 j 06:24	14°♄14'54		morning rise	-3242 May 07 j 21:53	9°♄32'48	
	-3247 Jan 31 j 20:01	0°♄		retrograde	-3242 Sep 11 j 07:52	28°♄17'15	
retrograde	-3247 Mar 16 j 10:42	2°♄49'59		opposition	-3242 Nov 09 j 18:31	23°♄14'44	0°-49'-39
	-3247 Apr 29 j 19:17	30°♄		min. Earth dist.	-3242 Nov 09 j 00:01	23°♄21'00	4.21255 AU
opposition	-3247 May 16 j 13:11	27°♄55'21	0°40'55	direct	-3241 Jan 08 j 09:52	18°♄12'44	
min. Earth dist.	-3247 May 17 j 05:37	27°♄50'05	4.16243 AU		-3241 Apr 14 j 08:42	0°♄	
direct	-3247 Jul 16 j 06:20	23°♄00'36		evening set	-3241 May 15 j 17:49	6°♄43'19	
	-3247 Sep 24 j 03:23	0°♄					
evening set	-3247 Nov 17 j 19:34	11°♄40'55		conjunction	-3241 May 29 j 10:43	9°♄46'08	0°-11'-35
				minimum elong	-3241 May 29 j 10:44	9°♄46'08	0°11'32
conjunction	-3247 Nov 30 j 13:26	14°♄40'39	0°04'38	behind sun begin	-3241 May 29 j 04:53	9°♄42'53	
minimum elong	-3247 Nov 30 j 13:26	14°♄40'40	0°04'32	behind sun end	-3241 May 29 j 16:35	9°♄49'23	
behind sun begin	-3247 Nov 30 j 05:34	14°♄36'02		max. Earth dist.	-3241 May 30 j 04:33	9°♄56'03	6.26941 AU
behind sun end	-3247 Nov 30 j 21:19	14°♄45'17		morning rise	-3241 Jun 12 j 01:50	12°♄47'54	
max. Earth dist.	-3247 Nov 30 j 01:49	14°♄33'49	6.10872 AU		-3241 Jun 22 j 02:49	15°♄	
	-3247 Dec 01 j 22:16	15°♄		asc. node	-3241 Sep 08 j 08:31	28°♄41'05	
morning rise	-3247 Dec 13 j 08:56	17°♄41'30			-3241 Sep 24 j 02:29	0°♄	
desc. node	-3246 Jan 07 j 10:09	23°♄24'38		retrograde	-3241 Oct 13 j 04:03	0°♄35'21	
	-3246 Feb 08 j 23:01	0°♄			-3241 Nov 01 j 02:56	30°♄	
retrograde	-3246 Apr 21 j 22:33	7°♄13'29		opposition	-3241 Dec 11 j 18:37	25°♄36'39	0°15'36
opposition	-3246 Jun 21 j 17:27	2°♄15'14	0°-29'-45	min. Earth dist.	-3241 Dec 11 j 15:20	25°♄37'45	4.31958 AU
min. Earth dist.	-3246 Jun 21 j 16:46	2°♄15'27	4.06168 AU	direct	-3240 Feb 10 j 17:51	20°♄33'14	
	-3246 Jul 09 j 16:11	30°♄			-3240 May 06 j 11:30	0°♄	
direct	-3246 Aug 20 j 02:39	27°♄22'04		evening set	-3240 Jun 17 j 10:45	8°♄39'34	
	-3246 Sep 29 j 16:47	0°♄					
evening set	-3246 Dec 22 j 07:15	16°♄26'45		conjunction	-3240 Jun 30 j 20:35	11°♄35'42	0°32'20
				minimum elong	-3240 Jun 30 j 20:33	11°♄35'41	0°32'26
conjunction	-3245 Jan 04 j 07:33	19°♄32'52	0°-42'-7	max. Earth dist.	-3240 Jun 30 j 11:36	11°♄30'47	6.36070 AU
minimum elong	-3245 Jan 04 j 07:30	19°♄32'50	0°42'14	morning rise	-3240 Jul 14 j 03:36	14°♄30'19	
max. Earth dist.	-3245 Jan 04 j 21:58	19°♄41'28	6.02706 AU		-3240 Oct 10 j 08:22	0°♄	

Planetary Phenomena of Jupiter from -3400 through -2900 (UT), Astrodienst AG 14-Nov-2015 16:04, page 15

Attention, astronomical year style is used: The year -3240 in astronomical counting style is the year 3241 BCE in historical counting style.

retrograde	-3240 Nov 12 j 00:28	1°♄39'55		max. Earth dist.	-3235 Dec 04 j 19:25	19°♃23'42	6.08902 AU
	-3240 Dec 14 j 16:15	30°♃II		morning rise	-3235 Dec 18 j 01:31	22°♃31'27	
opposition	-3239 Jan 10 j 23:20	26°♃II44'54	1°13'44		-3234 Jan 20 j 02:03	0°♂	
min. Earth dist.	-3239 Jan 11 j 12:33	26°♃II40'34	4.38924 AU	retrograde	-3234 Apr 27 j 01:30	12°♂13'01	
direct	-3239 Mar 14 j 01:16	21°♃II41'23		opposition	-3234 Jun 26 j 19:15	7°♂14'14	0°-39'-26
	-3239 Jun 02 j 12:07	0°♄		min. Earth dist.	-3234 Jun 26 j 15:13	7°♂15'34	4.04418 AU
evening set	-3239 Jul 19 j 15:33	9°♄33'29		direct	-3234 Aug 24 j 22:03	2°♂21'10	
max. Earth dist.	-3239 Jul 31 j 11:21	12°♄08'15	6.40260 AU	evening set	-3234 Dec 27 j 06:24	21°♂31'22	
conjunction	-3239 Aug 01 j 16:24	12°♄24'08	1°05'54	conjunction	-3233 Jan 09 j 07:48	24°♂38'34	0°-47'-46
minimum elong	-3239 Aug 01 j 16:21	12°♄24'06	1°06'00	minimum elong	-3233 Jan 09 j 07:45	24°♂38'32	0°47'54
morning rise	-3239 Aug 14 j 13:47	15°♄13'09		max. Earth dist.	-3233 Jan 10 j 01:56	24°♂49'26	6.01334 AU
	-3239 Nov 04 j 23:32	0°♃		morning rise	-3233 Jan 22 j 12:22	27°♂47'32	
retrograde	-3239 Dec 12 j 17:54	2°♃10'36			-3233 Jan 31 j 21:04	0°♄	
	-3238 Jan 19 j 20:37	30°♃R♄		retrograde	-3233 Jun 03 j 13:44	18°♄06'55	
opposition	-3238 Feb 11 j 03:44	27°♄18'12	1°50'23	opposition	-3233 Aug 02 j 19:37	13°♄04'16	-1°-38'-23
min. Earth dist.	-3238 Feb 12 j 05:07	27°♄10'03	4.40216 AU	min. Earth dist.	-3233 Aug 01 j 22:28	13°♄11'22	4.00007 AU
direct	-3238 Apr 14 j 18:59	22°♄16'00		direct	-3233 Sep 30 j 00:23	8°♄10'26	
	-3238 Jul 01 j 02:03	0°♃		evening set	-3232 Feb 01 j 18:25	27°♄33'16	
evening set	-3238 Aug 19 j 21:07	10°♃05'59			-3232 Feb 12 j 01:17	0°♁	
max. Earth dist.	-3238 Aug 30 j 19:23	12°♃30'28	6.38421 AU	conjunction	-3232 Feb 15 j 03:21	0°♁44'07	-1°-16'-20
conjunction	-3238 Sep 01 j 14:00	12°♃54'02	1°20'50	minimum elong	-3232 Feb 15 j 03:20	0°♁44'06	1°16'27
minimum elong	-3238 Sep 01 j 14:00	12°♃54'01	1°20'56	max. Earth dist.	-3232 Feb 16 j 21:19	1°♁09'06	6.00373 AU
	-3238 Sep 11 j 02:03	15°♃		morning rise	-3232 Feb 28 j 15:25	3°♁56'36	
morning rise	-3238 Sep 14 j 04:24	15°♃40'54			-3232 Apr 18 j 17:54	15°♁	
	-3238 Nov 30 j 09:05	0°♄		retrograde	-3232 Jul 09 j 12:53	24°♁14'15	
retrograde	-3237 Jan 13 j 08:00	2°♄52'37		min. Earth dist.	-3232 Sep 06 j 00:19	19°♁19'30	4.02768 AU
	-3237 Feb 27 j 00:48	30°♄R♃		opposition	-3232 Sep 07 j 06:29	19°♁09'15	-1°-59'-39
opposition	-3237 Mar 15 j 02:30	28°♃01'06	1°56'39		-3232 Oct 13 j 20:07	15°R♁	
min. Earth dist.	-3237 Mar 16 j 10:45	27°♃50'50	4.35447 AU	direct	-3232 Nov 04 j 06:20	14°♁12'48	
direct	-3237 May 16 j 16:31	23°♃01'08			-3232 Nov 25 j 18:59	15°♁	
	-3237 Jul 27 j 22:42	0°♄			-3231 Feb 22 j 18:18	0°♂	
evening set	-3237 Sep 19 j 20:45	11°♄01'00		evening set	-3231 Mar 09 j 22:29	3°♂29'09	
max. Earth dist.	-3237 Sep 30 j 15:04	13°♄26'09	6.31037 AU	conjunction	-3231 Mar 23 j 13:52	6°♂40'05	-1°-15'-50
conjunction	-3237 Oct 02 j 10:01	13°♄50'22	1°13'02	minimum elong	-3231 Mar 23 j 13:54	6°♂40'07	1°15'52
minimum elong	-3237 Oct 02 j 10:03	13°♄50'23	1°13'03	max. Earth dist.	-3231 Mar 25 j 13:46	7°♂08'04	6.06476 AU
morning rise	-3237 Oct 14 j 21:50	16°♄39'13		morning rise	-3231 Apr 06 j 07:36	9°♂51'59	
	-3237 Dec 21 j 16:36	0°♃		retrograde	-3231 Aug 13 j 17:16	29°♂27'57	
retrograde	-3236 Feb 15 j 08:11	4°♃28'46		min. Earth dist.	-3231 Oct 11 j 01:10	24°♂32'48	4.11545 AU
	-3236 Apr 13 j 07:15	30°♃R♄		opposition	-3231 Oct 12 j 05:29	24°♂23'07	-1°-35'-56
opposition	-3236 Apr 16 j 09:46	29°♄36'18	1°29'07	direct	-3231 Dec 09 j 20:48	19°♂23'21	
min. Earth dist.	-3236 Apr 17 j 13:40	29°♄27'25	4.25875 AU		-3230 Mar 08 j 06:46	0°♂	
direct	-3236 Jun 17 j 04:09	24°♄39'09		evening set	-3230 Apr 15 j 12:34	8°♂17'13	
	-3236 Aug 17 j 14:24	0°♃		conjunction	-3230 Apr 29 j 07:15	11°♂24'52	0°-47'-56
evening set	-3236 Oct 20 j 10:49	12°♃59'02		minimum elong	-3230 Apr 29 j 07:18	11°♂24'54	0°47'55
max. Earth dist.	-3236 Oct 31 j 17:33	15°♃35'05	6.20109 AU	max. Earth dist.	-3230 Apr 30 j 20:43	11°♂46'11	6.17207 AU
conjunction	-3236 Nov 02 j 00:54	15°♃53'13	0°43'05	morning rise	-3230 May 13 j 01:57	14°♂32'20	
minimum elong	-3236 Nov 02 j 00:57	15°♃53'15	0°43'04		-3230 Aug 01 j 23:24	0°♂	
morning rise	-3236 Nov 14 j 15:17	18°♃47'48		retrograde	-3230 Sep 15 j 23:56	3°♂07'22	
	-3235 Jan 06 j 11:49	0°♃			-3230 Oct 30 j 22:15	30°R♂	
retrograde	-3235 Mar 21 j 09:26	7°♃32'01		opposition	-3230 Nov 14 j 10:27	28°♂05'18	0°-40'-31
opposition	-3235 May 21 j 09:16	2°♃36'59	0°31'54	min. Earth dist.	-3230 Nov 13 j 18:00	28°♂10'51	4.23047 AU
min. Earth dist.	-3235 May 22 j 01:11	2°♃31'52	4.14251 AU	direct	-3229 Jan 13 j 07:09	23°♂02'58	
	-3235 Jun 11 j 20:36	30°R♃			-3229 Mar 25 j 01:18	0°♂	
direct	-3235 Jul 20 j 22:27	27°♃42'28		evening set	-3229 May 20 j 15:54	11°♂28'55	
	-3235 Aug 28 j 07:56	0°♃		conjunction	-3229 Jun 03 j 07:57	14°♂30'40	0°-5'-7
	-3235 Nov 16 j 02:59	15°♃		minimum elong	-3229 Jun 03 j 07:57	14°♂30'40	0°05'04
desc. node	-3235 Nov 18 j 18:56	15°♃37'15		behind sun begin	-3229 Jun 02 j 23:54	14°♂26'14	
evening set	-3235 Nov 22 j 10:04	16°♃28'16		behind sun end	-3229 Jun 03 j 16:00	14°♂35'07	
conjunction	-3235 Dec 05 j 04:50	19°♃29'15	0°-2'-1	max. Earth dist.	-3229 Jun 03 j 21:26	14°♂38'08	6.28638 AU
minimum elong	-3235 Dec 05 j 04:48	19°♃29'15	0°02'07		-3229 Jun 05 j 12:47	15°♂	
behind sun begin	-3235 Dec 04 j 20:45	19°♃24'30		morning rise	-3229 Jun 16 j 22:13	17°♂31'20	
behind sun end	-3235 Dec 05 j 12:52	19°♃33'59		asc. node	-3229 Jul 18 j 02:50	24°♂09'38	

Planetary Phenomena of Jupiter from -3400 through -2900 (UT), Astrodienst AG 14-Nov-2015 16:04, page 16

Attention, astronomical year style is used: The year -3229 in astronomical counting style is the year 3230 BCE in historical counting style.

	-3229 Aug 19 j 02:38	0°♄		retrograde	-3223 Mar 26 j 12:05	12°♄29'53	
retrograde	-3229 Oct 17 j 13:45	5°♄11'17		opposition	-3223 May 26 j 11:58	7°♄34'27	0°22'02
opposition	-3229 Dec 16 j 06:04	0°♄13'05	0°24'44	min. Earth dist.	-3223 May 27 j 00:30	7°♄30'25	4.12534 AU
min. Earth dist.	-3229 Dec 16 j 05:03	0°♄13'25	4.33419 AU	direct	-3223 Jul 25 j 18:44	2°♄40'21	
	-3229 Dec 17 j 21:25	30°♄♃		desc. node	-3223 Sep 27 j 12:02	8°♄38'53	
direct	-3228 Feb 15 j 09:49	25°♄09'30			-3223 Oct 29 j 17:55	15°♄	
	-3228 Apr 14 j 09:11	0°♄		evening set	-3223 Nov 27 j 06:50	21°♄30'29	
evening set	-3228 Jun 22 j 02:20	13°♄12'27					
				conjunction	-3223 Dec 10 j 02:23	24°♄32'28	0°-8'-55
conjunction	-3228 Jul 05 j 11:01	16°♄07'37	0°37'58	minimum elong	-3223 Dec 10 j 02:21	24°♄32'27	0°09'01
minimum elong	-3228 Jul 05 j 10:58	16°♄07'36	0°38'05	behind sun begin	-3223 Dec 09 j 19:26	24°♄28'22	
max. Earth dist.	-3228 Jul 04 j 23:40	16°♄01'24	6.37180 AU	behind sun end	-3223 Dec 10 j 09:16	24°♄36'32	
morning rise	-3228 Jul 18 j 16:31	19°♄01'11		max. Earth dist.	-3223 Dec 09 j 21:00	24°♄29'18	6.07452 AU
	-3228 Sep 11 j 21:02	0°♄		morning rise	-3223 Dec 23 j 00:08	27°♄35'47	
retrograde	-3228 Nov 16 j 08:21	6°♄06'57			-3222 Jan 02 j 06:57	0°♄	
opposition	-3227 Jan 15 j 09:03	1°♄12'25	1°20'30	retrograde	-3222 May 02 j 09:55	17°♄24'47	
min. Earth dist.	-3227 Jan 16 j 00:09	1°♄07'30	4.39617 AU	opposition	-3222 Jul 02 j 02:00	12°♄25'27	0°-49'-17
	-3227 Jan 24 j 17:36	30°♄♂		min. Earth dist.	-3222 Jul 01 j 19:17	12°♄27'39	4.03398 AU
direct	-3227 Mar 18 j 13:53	26°♄09'04		direct	-3222 Aug 30 j 01:38	7°♄32'26	
	-3227 May 10 j 05:15	0°♄		evening set	-3221 Jan 01 j 09:27	26°♄45'17	
evening set	-3227 Jul 24 j 02:40	13°♄59'40					
max. Earth dist.	-3227 Aug 04 j 16:54	16°♄31'31	6.40457 AU	conjunction	-3221 Jan 14 j 11:59	29°♄53'11	0°-53'-17
				minimum elong	-3221 Jan 14 j 11:56	29°♄53'09	0°53'24
conjunction	-3227 Aug 06 j 02:06	16°♄49'41	1°09'17		-3221 Jan 14 j 23:22	0°♄	
minimum elong	-3227 Aug 06 j 02:03	16°♄49'40	1°09'23	max. Earth dist.	-3221 Jan 15 j 11:27	0°♄07'14	6.00849 AU
morning rise	-3227 Aug 18 j 22:26	19°♄38'10		morning rise	-3221 Jan 27 j 17:35	3°♄02'49	
	-3227 Oct 09 j 14:16	0°♄		retrograde	-3221 Jun 08 j 22:17	23°♄24'05	
retrograde	-3227 Dec 17 j 04:07	6°♄35'54		min. Earth dist.	-3221 Aug 07 j 02:34	18°♄28'51	4.00155 AU
opposition	-3226 Feb 15 j 14:40	1°♄43'45	1°53'14	opposition	-3221 Aug 08 j 01:55	18°♄21'01	-1°-44'-4
min. Earth dist.	-3226 Feb 16 j 18:15	1°♄34'54	4.39929 AU	direct	-3221 Oct 05 j 04:39	13°♄26'57	
	-3226 Mar 01 j 08:49	30°♄♃			-3220 Jan 26 j 00:11	0°♄	
direct	-3226 Apr 19 j 07:22	26°♄41'45		evening set	-3220 Feb 07 j 00:55	2°♄49'07	
	-3226 Jun 06 j 20:58	0°♄					
evening set	-3226 Aug 24 j 06:07	14°♄32'30		conjunction	-3220 Feb 20 j 10:38	6°♄00'01	-1°-18'-7
	-3226 Aug 26 j 08:09	15°♄		minimum elong	-3220 Feb 20 j 10:37	6°♄00'00	1°18'14
max. Earth dist.	-3226 Sep 04 j 03:41	16°♄56'52	6.37665 AU	max. Earth dist.	-3220 Feb 22 j 05:36	6°♄25'32	6.01095 AU
				morning rise	-3220 Mar 04 j 23:42	9°♄12'31	
conjunction	-3226 Sep 05 j 22:24	17°♄20'31	1°21'09		-3220 Mar 30 j 04:23	15°♄	
minimum elong	-3226 Sep 05 j 22:24	17°♄20'31	1°21'13	retrograde	-3220 Jul 14 j 13:19	29°♄25'16	
morning rise	-3226 Sep 18 j 11:59	20°♄07'24		min. Earth dist.	-3220 Sep 11 j 00:26	24°♄30'42	4.03995 AU
	-3226 Nov 05 j 16:32	0°♄		opposition	-3220 Sep 12 j 07:37	24°♄20'04	-1°-58'-49
retrograde	-3225 Jan 17 j 20:40	7°♄23'18		direct	-3220 Nov 09 j 08:39	19°♄23'09	
opposition	-3225 Mar 19 j 17:12	2°♄31'48	1°54'47		-3219 Feb 04 j 08:31	0°♄	
min. Earth dist.	-3225 Mar 21 j 00:57	2°♄21'43	4.34275 AU	evening set	-3219 Mar 15 j 03:30	8°♄35'53	
	-3225 Apr 09 j 14:07	30°♄♂					
direct	-3225 May 21 j 04:26	27°♄32'15		conjunction	-3219 Mar 28 j 19:40	11°♄46'24	-1°-13'-18
	-3225 Jul 01 j 11:20	0°♄		minimum elong	-3219 Mar 28 j 19:43	11°♄46'25	1°13'21
evening set	-3225 Sep 24 j 06:49	15°♄34'47		max. Earth dist.	-3219 Mar 30 j 19:50	12°♄14'24	6.08093 AU
max. Earth dist.	-3225 Oct 05 j 01:11	18°♄00'31	6.29542 AU	morning rise	-3219 Apr 11 j 13:37	14°♄57'40	
					-3219 Jun 25 j 10:04	0°♄	
conjunction	-3225 Oct 06 j 19:50	18°♄24'40	1°10'02	retrograde	-3219 Aug 18 j 12:36	4°♄24'28	
minimum elong	-3225 Oct 06 j 19:52	18°♄24'41	1°10'03		-3219 Oct 12 j 01:52	30°♄♂	
morning rise	-3225 Oct 19 j 07:51	21°♄14'12		opposition	-3219 Oct 16 j 23:41	29°♄19'55	-1°-29'-32
	-3225 Nov 29 j 10:51	0°♄		min. Earth dist.	-3219 Oct 15 j 21:20	29°♄28'54	4.13356 AU
retrograde	-3224 Feb 20 j 06:06	9°♄11'14		direct	-3219 Dec 14 j 19:33	24°♄19'45	
opposition	-3224 Apr 21 j 06:34	4°♄18'34	1°22'33		-3218 Feb 14 j 18:31	0°♄	
min. Earth dist.	-3224 Apr 22 j 10:11	4°♄09'46	4.24135 AU	evening set	-3218 Apr 20 j 12:34	13°♄08'44	
	-3224 Jun 01 j 13:10	30°♄♂					
direct	-3224 Jun 21 j 21:55	29°♄21'50		conjunction	-3218 May 04 j 07:07	16°♄15'33	0°-42'-28
	-3224 Jul 12 j 04:21	0°♄		minimum elong	-3218 May 04 j 07:11	16°♄15'35	0°42'27
evening set	-3224 Oct 25 j 00:54	17°♄45'46		max. Earth dist.	-3218 May 05 j 17:10	16°♄34'49	6.19053 AU
max. Earth dist.	-3224 Nov 05 j 10:45	20°♄24'14	6.18299 AU	morning rise	-3218 May 18 j 01:36	19°♄22'05	
					-3218 Jul 07 j 23:58	0°♄	
conjunction	-3224 Nov 06 j 15:34	20°♄40'58	0°37'19	retrograde	-3218 Sep 20 j 10:29	7°♄48'04	
minimum elong	-3224 Nov 06 j 15:37	20°♄40'59	0°37'16	opposition	-3218 Nov 18 j 22:27	2°♄46'29	0°-31'-29
morning rise	-3224 Nov 19 j 06:41	23°♄36'38		min. Earth dist.	-3218 Nov 18 j 07:39	2°♄51'29	4.24758 AU
	-3224 Dec 17 j 19:48	0°♄			-3218 Dec 10 j 19:08	30°♄♂	

Attention, astronomical year style is used: The year -3217 in astronomical counting style is the year 3218 BCE in historical counting style.

direct	-3217 Jan 17 j 23:09	27° Υ 43'52		conjunction	-3212 Nov 11 j 07:46	25° Ω 32'21	0°31'13
	-3217 Feb 25 j 15:12	0° Υ		minimum elong	-3212 Nov 11 j 07:48	25° Ω 32'22	0°31'10
	-3217 May 20 j 09:30	15° Υ		morning rise	-3212 Nov 23 j 23:45	28° Ω 29'04	
evening set	-3217 May 25 j 09:42	16° Υ 05'50			-3212 Nov 30 j 13:35	0° Υ	
asc. node	-3217 May 28 j 03:30	16° Υ 42'03		retrograde	-3211 Feb 18 j 20:21	15° Υ	
					-3211 Mar 31 j 16:38	17° Υ 30'14	
conjunction	-3217 Jun 08 j 00:59	19° Υ 06'39	0°01'16		-3211 May 11 j 22:30	15° Υ	
minimum elong	-3217 Jun 08 j 00:57	19° Υ 06'39	0°01'21	opposition	-3211 May 31 j 15:42	12° Υ 34'14	0°11'55
behind sun begin	-3217 Jun 07 j 16:39	19° Υ 02'04		min. Earth dist.	-3211 Jun 01 j 01:36	12° Υ 31'01	4.11151 AU
behind sun end	-3217 Jun 08 j 09:15	19° Υ 11'13		direct	-3211 Jul 30 j 18:35	7° Υ 40'21	
max. Earth dist.	-3217 Jun 08 j 10:26	19° Υ 11'53	6.30090 AU	desc. node	-3211 Aug 06 j 04:29	7° Υ 44'23	
morning rise	-3217 Jun 21 j 14:08	22° Υ 06'16			-3211 Oct 09 j 20:18	15° Υ	
	-3217 Jul 29 j 05:13	0° Υ		evening set	-3211 Dec 02 j 04:00	26° Υ 33'20	
retrograde	-3217 Oct 21 j 22:23	9° Υ 40'11					
opposition	-3217 Dec 20 j 14:39	4° Υ 42'34	0°33'26	conjunction	-3211 Dec 15 j 00:32	29° Υ 36'11	0°-15'-47
min. Earth dist.	-3217 Dec 20 j 16:47	4° Υ 41'51	4.34506 AU	minimum elong	-3211 Dec 15 j 00:30	29° Υ 36'10	0°15'53
	-3216 Feb 04 j 22:24	30° Υ		behind sun begin	-3211 Dec 14 j 22:49	29° Υ 35'10	
direct	-3216 Feb 19 j 22:57	29° Υ 38'56		behind sun end	-3211 Dec 15 j 02:12	29° Υ 37'10	
	-3216 Mar 06 j 01:20	0° Υ		max. Earth dist.	-3211 Dec 15 j 00:20	29° Υ 36'04	6.06405 AU
evening set	-3216 Jun 26 j 15:10	17° Υ 39'50			-3211 Dec 16 j 16:37	0° Υ	
				morning rise	-3211 Dec 27 j 23:15	2° Υ 40'24	
conjunction	-3216 Jul 09 j 22:36	20° Υ 34'15	0°43'15	retrograde	-3210 May 07 j 17:26	22° Υ 34'46	
minimum elong	-3216 Jul 09 j 22:34	20° Υ 34'14	0°43'21	opposition	-3210 Jul 07 j 07:54	17° Υ 34'53	0°-58'-44
max. Earth dist.	-3216 Jul 09 j 06:45	20° Υ 25'34	6.37803 AU	min. Earth dist.	-3210 Jul 06 j 22:33	17° Υ 37'58	4.02800 AU
morning rise	-3216 Jul 23 j 02:54	23° Υ 27'03		direct	-3210 Sep 04 j 03:53	12° Υ 41'53	
	-3216 Aug 23 j 07:43	0° Υ			-3210 Dec 29 j 07:51	0° Υ	
retrograde	-3216 Nov 20 j 15:28	10° Υ 30'49		evening set	-3209 Jan 06 j 12:01	1° Υ 55'56	
opposition	-3215 Jan 19 j 17:15	5° Υ 36'41	1°26'41				
min. Earth dist.	-3215 Jan 20 j 10:28	5° Υ 31'05	4.39777 AU	conjunction	-3209 Jan 19 j 15:20	5° Υ 04'15	0°-58'-20
direct	-3215 Mar 22 j 23:46	0° Υ 33'23		minimum elong	-3209 Jan 19 j 15:17	5° Υ 04'13	0°58'27
evening set	-3215 Jul 28 j 12:27	18° Υ 24'15		max. Earth dist.	-3209 Jan 20 j 16:59	5° Υ 19'36	6.00716 AU
max. Earth dist.	-3215 Aug 09 j 00:36	20° Υ 55'08	6.40138 AU	morning rise	-3209 Feb 01 j 22:06	8° Υ 14'23	
				retrograde	-3209 Jun 14 j 02:28	28° Υ 35'58	
conjunction	-3215 Aug 10 j 10:52	21° Υ 13'56	1°12'12	min. Earth dist.	-3209 Aug 12 j 04:12	23° Υ 41'02	4.00523 AU
minimum elong	-3215 Aug 10 j 10:49	21° Υ 13'55	1°12'19	opposition	-3209 Aug 13 j 05:44	23° Υ 32'26	-1°-48'-52
morning rise	-3215 Aug 23 j 05:59	24° Υ 02'04		direct	-3209 Oct 10 j 06:50	18° Υ 38'02	
	-3215 Sep 20 j 11:23	0° Υ			-3208 Jan 08 j 01:22	0° Υ	
retrograde	-3215 Dec 21 j 13:58	11° Υ 01'47		evening set	-3208 Feb 12 j 05:45	7° Υ 59'09	
opposition	-3214 Feb 20 j 01:45	6° Υ 09'52	1°55'25				
min. Earth dist.	-3214 Feb 21 j 06:19	6° Υ 00'43	4.39174 AU	conjunction	-3208 Feb 25 j 16:35	11° Υ 10'07	-1°-19'-17
direct	-3214 Apr 23 j 18:03	1° Υ 08'12		minimum elong	-3208 Feb 25 j 16:35	11° Υ 10'07	1°19'22
	-3214 Aug 10 j 01:43	15° Υ		max. Earth dist.	-3208 Feb 27 j 14:07	11° Υ 37'06	6.01924 AU
evening set	-3214 Aug 28 j 15:25	19° Υ 00'56		morning rise	-3208 Mar 10 j 06:19	14° Υ 22'32	
max. Earth dist.	-3214 Sep 08 j 10:27	21° Υ 02'42	6.36518 AU		-3208 Mar 12 j 22:14	15° Υ	
					-3208 May 25 j 19:30	0° Υ	
conjunction	-3214 Sep 10 j 06:53	21° Υ 04'06	1°20'57	retrograde	-3208 Jul 19 j 14:17	4° Υ 30'02	
minimum elong	-3214 Sep 10 j 06:53	21° Υ 04'06	1°21'00		-3208 Sep 12 j 23:03	30° Υ	
morning rise	-3214 Sep 22 j 20:10	24° Υ 36'16		min. Earth dist.	-3208 Sep 16 j 00:19	29° Υ 35'05	4.05194 AU
	-3214 Oct 17 j 21:22	0° Υ		opposition	-3208 Sep 17 j 06:30	29° Υ 24'48	-1°-57'-8
retrograde	-3213 Jan 22 j 13:13	11° Υ 57'36		direct	-3208 Nov 14 j 09:50	24° Υ 27'27	
opposition	-3213 Mar 24 j 09:34	7° Υ 06'01	1°52'11		-3207 Jan 13 j 14:42	0° Υ	
min. Earth dist.	-3213 Mar 25 j 17:30	6° Υ 55'51	4.32819 AU	evening set	-3207 Mar 20 j 06:49	13° Υ 36'59	
direct	-3213 May 25 j 18:45	2° Υ 06'49					
evening set	-3213 Sep 28 j 18:08	20° Υ 12'35		conjunction	-3207 Apr 02 j 23:33	16° Υ 47'07	-1°-10'-18
max. Earth dist.	-3213 Oct 09 j 15:18	22° Υ 40'25	6.27914 AU	minimum elong	-3207 Apr 02 j 23:36	16° Υ 47'09	1°10'21
				max. Earth dist.	-3207 Apr 04 j 22:15	17° Υ 14'10	6.09553 AU
conjunction	-3213 Oct 11 j 07:18	23° Υ 03'09	1°06'31	morning rise	-3207 Apr 16 j 17:59	19° Υ 57'55	
minimum elong	-3213 Oct 11 j 07:21	23° Υ 03'11	1°06'33		-3207 Jun 02 j 04:53	0° Υ	
morning rise	-3213 Oct 23 j 19:23	25° Υ 53'26		retrograde	-3207 Aug 23 j 04:43	9° Υ 16'24	
	-3213 Nov 11 j 07:18	0° Υ		opposition	-3207 Oct 21 j 16:18	4° Υ 12'11	-1°-22'-38
retrograde	-3212 Feb 25 j 03:39	13° Υ 58'03		min. Earth dist.	-3207 Oct 20 j 14:33	4° Υ 20'58	4.14927 AU
opposition	-3212 Apr 26 j 04:51	9° Υ 05'04	1°15'18		-3207 Nov 27 j 15:42	30° Υ	
min. Earth dist.	-3212 Apr 27 j 06:05	8° Υ 57'02	4.22450 AU	direct	-3207 Dec 19 j 14:58	29° Υ 11'37	
direct	-3212 Jun 26 j 15:21	4° Υ 08'48			-3206 Jan 10 j 20:43	0° Υ	
evening set	-3212 Oct 29 j 16:43	22° Υ 36'18		evening set	-3206 Apr 25 j 11:37	17° Υ 56'53	
max. Earth dist.	-3212 Nov 10 j 05:42	25° Υ 17'10	6.16711 AU				
				conjunction	-3206 May 09 j 06:03	21° Υ 03'00	0°-36'-47

Planetary Phenomena of Jupiter from -3400 through -2900 (UT), Astrodienst AG 14-Nov-2015 16:04, page 18

Attention, astronomical year style is used: The year -3206 in astronomical counting style is the year 3207 BCE in historical counting style.

minimum elong	-3206 May 09 j 06:06	21° Υ 03'02	0°36'45	opposition	-3200 May 01 j 03:08	13° Ω 51'37	1°07'37
max. Earth dist.	-3206 May 10 j 12:06	21° Υ 19'57	6.20627 AU	min. Earth dist.	-3200 May 02 j 02:14	13° Ω 44'14	4.21121 AU
morning rise	-3206 May 23 j 00:07	24° Υ 08'41		direct	-3200 Jul 01 j 09:56	8° Ω 55'43	
	-3206 Jun 18 j 21:37	0° Υ		evening set	-3200 Nov 03 j 07:27	27° Ω 25'31	
retrograde	-3206 Sep 24 j 23:10	12° Υ 26'53			-3200 Nov 14 j 08:55	0° \mathbb{M}	
opposition	-3206 Nov 23 j 10:11	7° Υ 25'52	0°-22'-19				
min. Earth dist.	-3206 Nov 22 j 22:37	7° Υ 29'45	4.26179 AU	conjunction	-3200 Nov 15 j 23:11	0° \mathbb{M} 22'21	0°25'01
direct	-3205 Jan 22 j 16:08	2° Υ 23'01		minimum elong	-3200 Nov 15 j 23:13	0° \mathbb{M} 22'22	0°24'57
asc. node	-3205 Apr 06 j 20:16	9° Υ 52'01		max. Earth dist.	-3200 Nov 15 j 01:37	0° \mathbb{M} 09'45	6.15490 AU
	-3205 May 03 j 11:15	15° Υ		morning rise	-3200 Nov 28 j 15:45	3° \mathbb{M} 19'53	
evening set	-3205 May 30 j 03:31	20° Υ 42'06			-3199 Jan 22 j 09:33	15° \mathbb{M}	
				retrograde	-3199 Apr 05 j 18:45	22° \mathbb{M} 27'36	
conjunction	-3205 Jun 12 j 18:01	23° Υ 42'06	0°07'34	opposition	-3199 Jun 05 j 17:38	17° \mathbb{M} 31'06	0°01'53
minimum elong	-3205 Jun 12 j 18:01	23° Υ 42'06	0°07'40	min. Earth dist.	-3199 Jun 06 j 01:07	17° \mathbb{M} 28'41	4.10137 AU
behind sun begin	-3205 Jun 12 j 10:34	23° Υ 38'01		desc. node	-3199 Jun 16 j 04:06	16° \mathbb{M} 11'02	
behind sun end	-3205 Jun 13 j 01:28	23° Υ 46'12			-3199 Jun 26 j 04:19	15° $\mathbb{R}\mathbb{M}$	
max. Earth dist.	-3205 Jun 13 j 00:05	23° Υ 45'26	6.31254 AU	direct	-3199 Aug 04 j 16:48	12° \mathbb{M} 37'28	
morning rise	-3205 Jun 26 j 06:08	26° Υ 40'50			-3199 Sep 12 j 12:24	15° \mathbb{M}	
	-3205 Jul 11 j 14:07	0° \mathbb{I}			-3199 Nov 30 j 10:39	0° \mathbb{J}	
retrograde	-3205 Oct 26 j 05:58	14° \mathbb{I} 09'46		evening set	-3199 Dec 06 j 23:43	1° \mathbb{J} 32'16	
opposition	-3205 Dec 24 j 23:48	9° \mathbb{I} 12'42	0°41'59				
min. Earth dist.	-3205 Dec 25 j 03:31	9° \mathbb{I} 11'28	4.35349 AU	conjunction	-3199 Dec 19 j 20:52	4° \mathbb{J} 35'44	0°-22'-22
direct	-3204 Feb 24 j 10:14	4° \mathbb{I} 09'03		minimum elong	-3199 Dec 19 j 20:50	4° \mathbb{J} 35'43	0°22'29
evening set	-3204 Jul 01 j 04:32	22° \mathbb{I} 08'43		max. Earth dist.	-3199 Dec 19 j 22:58	4° \mathbb{J} 36'58	6.05671 AU
				morning rise	-3198 Jan 01 j 20:43	7° \mathbb{J} 40'43	
conjunction	-3204 Jul 14 j 10:43	25° \mathbb{I} 02'27	0°48'19	retrograde	-3198 May 12 j 20:26	27° \mathbb{J} 39'15	
minimum elong	-3204 Jul 14 j 10:40	25° \mathbb{I} 02'25	0°48'25	opposition	-3198 Jul 12 j 10:38	22° \mathbb{J} 38'45	-1°-7'-29
max. Earth dist.	-3204 Jul 13 j 15:43	24° \mathbb{I} 52'02	6.38258 AU	min. Earth dist.	-3198 Jul 11 j 22:21	22° \mathbb{J} 42'49	4.02430 AU
morning rise	-3204 Jul 27 j 13:44	27° \mathbb{I} 54'32		direct	-3198 Sep 09 j 03:21	17° \mathbb{J} 45'36	
	-3204 Aug 06 j 06:13	0° \mathbb{E}			-3198 Dec 12 j 01:07	0° \mathbb{Z}	
retrograde	-3204 Nov 25 j 01:12	14° \mathbb{E} 57'00		evening set	-3197 Jan 11 j 11:53	7° \mathbb{Z} 00'23	
opposition	-3203 Jan 24 j 02:58	10° \mathbb{E} 03'21	1°32'27				
min. Earth dist.	-3203 Jan 24 j 22:37	9° \mathbb{E} 56'58	4.39836 AU	conjunction	-3197 Jan 24 j 16:19	10° \mathbb{Z} 09'07	-1°-2'-48
direct	-3203 Mar 27 j 11:54	5° \mathbb{E} 00'17		minimum elong	-3197 Jan 24 j 16:16	10° \mathbb{Z} 09'05	1°02'56
evening set	-3203 Aug 01 j 23:04	22° \mathbb{E} 51'30		max. Earth dist.	-3197 Jan 25 j 22:06	10° \mathbb{Z} 26'55	6.00730 AU
max. Earth dist.	-3203 Aug 13 j 07:30	25° \mathbb{E} 20'38	6.39778 AU	morning rise	-3197 Feb 06 j 23:53	13° \mathbb{Z} 19'36	
					-3197 Apr 30 j 19:42	0° \approx	
conjunction	-3203 Aug 14 j 20:20	25° \mathbb{E} 40'52	1°14'47	retrograde	-3197 Jun 19 j 05:14	3° \approx 40'52	
minimum elong	-3203 Aug 14 j 20:18	25° \mathbb{E} 40'50	1°14'53		-3197 Aug 07 j 20:56	30° $\mathbb{R}\mathbb{Z}$	
morning rise	-3203 Aug 27 j 14:30	28° \mathbb{E} 28'45		min. Earth dist.	-3197 Aug 17 j 04:46	28° \mathbb{Z} 45'36	4.00934 AU
	-3203 Sep 03 j 14:29	0° \mathbb{Q}		opposition	-3197 Aug 18 j 06:20	28° \mathbb{Z} 36'59	-1°-52'-43
	-3203 Dec 08 j 00:31	15° \mathbb{Q}		direct	-3197 Oct 15 j 07:29	23° \mathbb{Z} 42'13	
retrograde	-3203 Dec 26 j 01:26	15° $\mathbb{R}\mathbb{Q}$			-3197 Dec 18 j 08:44	0° \approx	
	-3202 Jan 13 j 02:43	15° $\mathbb{R}\mathbb{Q}$		evening set	-3196 Feb 17 j 07:47	13° \approx 02'19	
opposition	-3202 Feb 24 j 14:19	10° \mathbb{Q} 38'57	1°57'00		-3196 Feb 25 j 15:22	15° \approx	
min. Earth dist.	-3202 Feb 25 j 19:19	10° \mathbb{Q} 29'40	4.38461 AU				
direct	-3202 Apr 28 j 05:33	5° \mathbb{Q} 37'37		conjunction	-3196 Mar 01 j 19:26	16° \approx 13'19	-1°-19'-49
	-3202 Jul 23 j 03:48	15° \mathbb{Q}		minimum elong	-3196 Mar 01 j 19:26	16° \approx 13'19	1°19'54
evening set	-3202 Sep 02 j 01:26	23° \mathbb{Q} 32'04		max. Earth dist.	-3196 Mar 03 j 17:13	16° \approx 40'22	6.02669 AU
max. Earth dist.	-3202 Sep 12 j 21:38	25° \mathbb{Q} 56'32	6.35526 AU	morning rise	-3196 Mar 15 j 10:06	19° \approx 25'45	
					-3196 May 02 j 12:11	0° \mathbb{K}	
conjunction	-3202 Sep 14 j 16:24	26° \mathbb{Q} 20'23	1°20'18	retrograde	-3196 Jul 24 j 10:27	9° \mathbb{K} 28'14	
minimum elong	-3202 Sep 14 j 16:25	26° \mathbb{Q} 20'24	1°20'21	min. Earth dist.	-3196 Sep 20 j 19:37	4° \mathbb{K} 33'26	4.06213 AU
morning rise	-3202 Sep 27 j 05:05	29° \mathbb{Q} 07'45		opposition	-3196 Sep 22 j 02:11	4° \mathbb{K} 23'00	-1°-54'-41
	-3202 Oct 01 j 03:38	0° \mathbb{N}			-3196 Oct 31 j 21:24	30° $\mathbb{R}\mathbb{K}$	
retrograde	-3201 Jan 27 j 05:25	16° \mathbb{N} 34'01		direct	-3196 Nov 19 j 06:23	29° \approx 25'11	
opposition	-3201 Mar 29 j 02:42	11° \mathbb{N} 42'24	1°48'55		-3196 Dec 07 j 19:39	0° \mathbb{K}	
min. Earth dist.	-3201 Mar 30 j 09:53	11° \mathbb{N} 32'29	4.31620 AU	evening set	-3195 Mar 25 j 07:55	18° \mathbb{K} 32'28	
direct	-3201 May 30 j 09:27	6° \mathbb{N} 43'42					
evening set	-3201 Oct 03 j 05:38	24° \mathbb{N} 51'41		conjunction	-3195 Apr 08 j 01:10	21° \mathbb{K} 42'19	-1°-6'-53
max. Earth dist.	-3201 Oct 14 j 03:20	27° \mathbb{N} 20'21	6.26612 AU	minimum elong	-3195 Apr 08 j 01:14	21° \mathbb{K} 42'21	1°06'55
				max. Earth dist.	-3195 Apr 09 j 21:14	22° \mathbb{K} 07'46	6.10765 AU
conjunction	-3201 Oct 15 j 18:40	27° \mathbb{N} 42'46	1°02'38	morning rise	-3195 Apr 21 j 19:55	24° \mathbb{K} 52'40	
minimum elong	-3201 Oct 15 j 18:43	27° \mathbb{N} 42'48	1°02'38		-3195 May 14 j 16:40	0° \mathbb{Y}	
	-3201 Oct 25 j 19:41	0° \mathbb{A}		retrograde	-3195 Aug 27 j 20:56	14° \mathbb{Y} 03'57	
morning rise	-3201 Oct 28 j 07:09	0° \mathbb{A} 33'44		min. Earth dist.	-3195 Oct 25 j 07:52	9° \mathbb{Y} 07'57	4.16195 AU
retrograde	-3200 Mar 01 j 01:30	18° \mathbb{A} 45'00		opposition	-3195 Oct 26 j 07:01	9° \mathbb{Y} 00'04	-1°-15'-22

Planetary Phenomena of Jupiter from -3400 through -2900 (UT), Astrodienst AG 14-Nov-2015 16:04, page 19

Attention, astronomical year style is used: The year -3195 in astronomical counting style is the year 3196 BCE in historical counting style.

direct	-3195 Dec 24 j 10:08	3°♃59'05		max. Earth dist.	-3189 Oct 18 j 16:36	1°♁57'55	6.25249 AU
evening set	-3194 Apr 30 j 09:10	22°♃41'44					
				conjunction	-3189 Oct 20 j 05:07	2°♁18'48	0°58'23
conjunction	-3194 May 14 j 03:36	25°♃47'17	0°-30'-56	minimum elong	-3189 Oct 20 j 05:10	2°♁18'50	0°58'23
minimum elong	-3194 May 14 j 03:38	25°♃47'18	0°30'55	morning rise	-3189 Nov 01 j 17:46	5°♁10'27	
max. Earth dist.	-3194 May 15 j 07:35	26°♃03'02	6.21879 AU	retrograde	-3188 Mar 05 j 22:43	23°♁28'40	
morning rise	-3194 May 27 j 21:09	28°♃52'14		opposition	-3188 May 06 j 00:16	18°♁34'59	0°59'30
	-3194 Jun 01 j 23:01	0°♃		min. Earth dist.	-3188 May 06 j 22:19	18°♁27'56	4.19631 AU
	-3194 Aug 24 j 04:15	15°♃		direct	-3188 Jul 06 j 03:47	13°♁39'29	
retrograde	-3194 Sep 29 j 09:10	17°♃03'46			-3188 Oct 29 j 08:02	0°♁	
	-3194 Nov 04 j 09:24	15°♃		evening set	-3188 Nov 07 j 21:58	2°♁12'30	
opposition	-3194 Nov 27 j 21:09	12°♃03'16	0°-13'-10				
min. Earth dist.	-3194 Nov 27 j 10:46	12°♃06'46	4.27317 AU	conjunction	-3188 Nov 20 j 14:11	5°♁10'13	0°18'38
direct	-3193 Jan 27 j 05:36	7°♃00'16		minimum elong	-3188 Nov 20 j 14:12	5°♁10'14	0°18'35
asc. node	-3193 Feb 14 j 22:42	7°♃33'07		max. Earth dist.	-3188 Nov 19 j 17:52	4°♁58'20	6.14001 AU
	-3193 Apr 14 j 12:14	15°♃		morning rise	-3188 Dec 03 j 07:47	8°♁08'49	
evening set	-3193 Jun 03 j 20:47	25°♃17'12			-3187 Jan 02 j 18:31	15°♁	
				retrograde	-3187 Apr 10 j 20:43	27°♁24'19	
conjunction	-3193 Jun 17 j 10:15	28°♃16'26	0°13'45	desc. node	-3187 Apr 26 j 04:09	27°♁02'17	
minimum elong	-3193 Jun 17 j 10:14	28°♃16'25	0°13'50	opposition	-3187 Jun 10 j 19:17	22°♁27'18	0°-8'-12
behind sun begin	-3193 Jun 17 j 06:07	28°♃14'10		min. Earth dist.	-3187 Jun 10 j 23:37	22°♁25'53	4.08763 AU
behind sun end	-3193 Jun 17 j 14:21	28°♃18'41		direct	-3187 Aug 09 j 13:28	17°♁33'49	
max. Earth dist.	-3193 Jun 17 j 11:53	28°♃17'20	6.32204 AU		-3187 Nov 13 j 08:13	0°♁	
	-3193 Jun 25 j 06:03	0°♁		evening set	-3187 Dec 11 j 20:07	6°♁32'11	
morning rise	-3193 Jun 30 j 21:23	1°♁14'19					
retrograde	-3193 Oct 30 j 15:45	18°♁39'00		conjunction	-3187 Dec 24 j 18:21	9°♁36'35	0°-28'-52
opposition	-3193 Dec 29 j 09:17	13°♁42'26	0°50'14	minimum elong	-3187 Dec 24 j 18:19	9°♁36'33	0°28'58
min. Earth dist.	-3193 Dec 29 j 15:58	13°♁40'14	4.36055 AU	max. Earth dist.	-3187 Dec 25 j 01:13	9°♁40'40	6.04544 AU
direct	-3192 Feb 29 j 00:13	8°♁38'47		morning rise	-3186 Jan 06 j 19:08	12°♁42'30	
evening set	-3192 Jul 05 j 17:41	26°♁37'12			-3186 Apr 05 j 07:01	0°♁	
				retrograde	-3186 May 18 j 03:42	2°♁46'51	
conjunction	-3192 Jul 18 j 22:43	29°♁30'15	0°53'05		-3186 Jun 30 j 02:42	30°♁	
minimum elong	-3192 Jul 18 j 22:40	29°♁30'14	0°53'12	opposition	-3186 Jul 17 j 14:46	27°♁45'52	-1°-15'-53
max. Earth dist.	-3192 Jul 18 j 01:49	29°♁18'49	6.38660 AU	min. Earth dist.	-3186 Jul 17 j 01:15	27°♁50'22	4.01667 AU
	-3192 Jul 21 j 05:02	0°♁		direct	-3186 Sep 14 j 04:35	22°♁52'40	
morning rise	-3192 Aug 01 j 00:20	2°♁21'39			-3186 Nov 21 j 21:09	0°♁	
retrograde	-3192 Nov 29 j 08:23	19°♁22'45		evening set	-3185 Jan 16 j 14:29	12°♁09'55	
opposition	-3191 Jan 28 j 12:40	14°♁29'23	1°37'40				
min. Earth dist.	-3191 Jan 29 j 08:55	14°♁22'50	4.39936 AU	conjunction	-3185 Jan 29 j 19:52	15°♁19'16	-1°-6'-53
direct	-3191 Mar 31 j 22:20	9°♁26'28		minimum elong	-3185 Jan 29 j 19:49	15°♁19'14	1°07'01
evening set	-3191 Aug 06 j 09:17	27°♁17'31		max. Earth dist.	-3185 Jan 31 j 03:42	15°♁38'17	6.00378 AU
max. Earth dist.	-3191 Aug 17 j 15:44	29°♁45'45	6.39550 AU	morning rise	-3185 Feb 12 j 04:40	18°♁30'23	
	-3191 Aug 18 j 17:37	0°♁			-3185 Apr 05 j 08:29	0°♁	
				retrograde	-3185 Jun 24 j 09:08	8°♁52'25	
conjunction	-3191 Aug 19 j 05:23	0°♁06'28	1°16'54	min. Earth dist.	-3185 Aug 22 j 05:28	3°♁57'35	4.01064 AU
minimum elong	-3191 Aug 19 j 05:21	0°♁06'27	1°16'59	opposition	-3185 Aug 23 j 09:04	3°♁48'16	-1°-55'-48
morning rise	-3191 Aug 31 j 22:31	2°♁54'01			-3185 Sep 24 j 17:56	30°♁	
	-3191 Nov 01 j 20:30	15°♁		direct	-3185 Oct 20 j 08:13	28°♁53'11	
retrograde	-3191 Dec 30 j 12:50	19°♁57'36			-3185 Nov 15 j 00:43	0°♁	
opposition	-3190 Mar 01 j 02:36	15°♁05'58	1°57'53		-3184 Feb 08 j 16:12	15°♁	
	-3190 Mar 01 j 21:18	15°♁		evening set	-3184 Feb 22 j 13:37	18°♁13'35	
min. Earth dist.	-3190 Mar 02 j 08:53	14°♁56'18	4.37903 AU				
direct	-3190 May 02 j 18:41	10°♁04'58		conjunction	-3184 Mar 07 j 02:16	21°♁24'46	-1°-19'-46
	-3190 Jul 01 j 17:08	15°♁		minimum elong	-3184 Mar 07 j 02:16	21°♁24'46	1°19'50
evening set	-3190 Sep 06 j 10:17	28°♁00'12		max. Earth dist.	-3184 Mar 09 j 00:33	21°♁52'04	6.03258 AU
	-3190 Sep 15 j 09:35	0°♁		morning rise	-3184 Mar 20 j 17:45	24°♁37'16	
max. Earth dist.	-3190 Sep 17 j 04:46	0°♁24'07	6.34646 AU		-3184 Apr 13 j 06:23	0°♁	
				retrograde	-3184 Jul 29 j 11:29	14°♁35'07	
conjunction	-3190 Sep 19 j 00:38	0°♁48'38	1°19'11	min. Earth dist.	-3184 Sep 25 j 19:29	9°♁40'05	4.07192 AU
minimum elong	-3190 Sep 19 j 00:39	0°♁48'38	1°19'14	opposition	-3184 Sep 27 j 01:06	9°♁29'58	-1°-51'-18
morning rise	-3190 Oct 01 j 13:03	3°♁36'13		direct	-3184 Nov 24 j 08:15	4°♁31'43	
retrograde	-3189 Jan 31 j 20:14	21°♁07'08		evening set	-3183 Mar 30 j 12:38	23°♁36'51	
opposition	-3189 Apr 02 j 18:58	16°♁15'18	1°44'59				
min. Earth dist.	-3189 Apr 04 j 01:08	16°♁05'43	4.30450 AU	conjunction	-3183 Apr 13 j 06:33	26°♁46'24	-1°-2'-52
direct	-3189 Jun 03 j 22:56	11°♁16'57		minimum elong	-3183 Apr 13 j 06:37	26°♁46'26	1°02'53
evening set	-3189 Oct 07 j 15:53	29°♁27'06		max. Earth dist.	-3183 Apr 15 j 02:58	27°♁11'57	6.12087 AU
	-3189 Oct 10 j 01:52	0°♁		morning rise	-3183 Apr 27 j 01:27	29°♁56'15	

Planetary Phenomena of Jupiter from -3400 through -2900 (UT), Astrodienst AG 14-Nov-2015 16:04, page 21

Attention, astronomical year style is used: The year -3171 in astronomical counting style is the year 3172 BCE in historical counting style.

conjunction	-3171 Apr 18 j 12:38	1°Υ51'20	0°-58'-19	direct	-3165 Jun 13 j 00:15	20°♎19'51	
minimum elong	-3171 Apr 18 j 12:41	1°Υ51'22	0°58'20		-3165 Sep 06 j 15:03	0°♌	
max. Earth dist.	-3171 Apr 20 j 06:36	2°Υ15'24	6.13595 AU	evening set	-3165 Oct 16 j 10:52	8°♌36'16	
morning rise	-3171 May 02 j 07:46	5°Υ00'34		max. Earth dist.	-3165 Oct 27 j 14:07	11°♌09'41	6.21918 AU
retrograde	-3171 Sep 06 j 07:43	23°Υ54'53					
opposition	-3171 Nov 04 j 18:34	18°Υ51'44	0°-58'-51	conjunction	-3165 Oct 29 j 00:34	11°♌29'32	0°48'54
min. Earth dist.	-3171 Nov 03 j 21:28	18°Υ58'54	4.19453 AU	minimum elong	-3165 Oct 29 j 00:37	11°♌29'34	0°48'53
direct	-3170 Jan 03 j 05:01	13°Υ50'04		morning rise	-3165 Nov 10 j 14:17	14°♌23'03	
	-3170 Apr 29 j 11:32	0°♄			-3164 Jan 31 j 01:12	0°♌	
evening set	-3170 May 10 j 09:45	2°♄24'25		retrograde	-3164 Mar 15 j 19:02	2°♌58'05	
					-3164 Apr 30 j 05:19	30°♌	
conjunction	-3170 May 24 j 03:18	5°♄28'09	0°-18'-24	opposition	-3164 May 15 j 19:01	28°♌03'39	0°42'12
minimum elong	-3170 May 24 j 03:20	5°♄28'10	0°18'21	min. Earth dist.	-3164 May 16 j 13:53	27°♌57'36	4.15989 AU
max. Earth dist.	-3170 May 25 j 01:47	5°♄40'42	6.25329 AU	direct	-3164 Jul 15 j 13:32	23°♌08'46	
morning rise	-3170 Jun 06 j 19:24	8°♄31'00			-3164 Sep 22 j 15:19	0°♌	
	-3170 Jul 07 j 00:49	15°♄		evening set	-3164 Nov 17 j 04:17	11°♌51'02	
retrograde	-3170 Oct 08 j 08:55	26°♄25'58					
asc. node	-3170 Nov 03 j 01:56	25°♄21'27		conjunction	-3164 Nov 29 j 22:06	14°♌50'58	0°05'35
opposition	-3170 Dec 06 j 22:48	21°♄26'34	0°05'37	minimum elong	-3164 Nov 29 j 22:07	14°♌50'58	0°05'30
min. Earth dist.	-3170 Dec 06 j 16:39	21°♄28'37	4.30640 AU	behind sun begin	-3164 Nov 29 j 14:22	14°♌46'25	
direct	-3169 Feb 05 j 17:11	16°♄23'17		behind sun end	-3164 Nov 30 j 05:52	14°♌55'31	
	-3169 May 23 j 03:18	0°♄		max. Earth dist.	-3164 Nov 29 j 08:14	14°♌42'48	6.10414 AU
evening set	-3169 Jun 13 j 08:23	4°♄31'58			-3164 Nov 30 j 13:28	15°♌	
				morning rise	-3164 Dec 12 j 17:39	17°♌52'00	
conjunction	-3169 Jun 26 j 19:33	7°♄29'02	0°25'56	desc. node	-3163 Jan 14 j 18:47	25°♌19'40	
minimum elong	-3169 Jun 26 j 19:31	7°♄29'00	0°26'01		-3163 Feb 07 j 06:27	0°♄	
max. Earth dist.	-3169 Jun 26 j 14:51	7°♄26'27	6.35139 AU	retrograde	-3163 Apr 21 j 06:06	7°♄25'32	
morning rise	-3169 Jul 10 j 04:04	10°♄24'38		opposition	-3163 Jun 21 j 01:04	2°♄27'29	0°-28'-18
retrograde	-3169 Nov 08 j 06:52	27°♄37'55		min. Earth dist.	-3163 Jun 21 j 00:12	2°♄27'46	4.05574 AU
opposition	-3168 Jan 07 j 04:37	22°♄42'20	1°05'43		-3163 Jul 10 j 18:59	30°♌	
min. Earth dist.	-3168 Jan 07 j 15:13	22°♄38'51	4.38416 AU	direct	-3163 Aug 19 j 08:40	27°♌34'22	
direct	-3168 Mar 09 j 03:04	17°♄38'45			-3163 Sep 27 j 07:49	0°♄	
	-3168 Jun 18 j 12:38	0°♄		evening set	-3163 Dec 21 j 17:34	16°♄41'50	
evening set	-3168 Jul 14 j 17:31	5°♄31'22					
				conjunction	-3162 Jan 03 j 17:47	19°♄48'13	0°-41'-13
conjunction	-3168 Jul 27 j 19:51	8°♄22'39	1°01'36	minimum elong	-3162 Jan 03 j 17:44	19°♄48'11	0°41'20
minimum elong	-3168 Jul 27 j 19:48	8°♄22'38	1°01'42	max. Earth dist.	-3162 Jan 04 j 07:49	19°♄56'36	6.02057 AU
max. Earth dist.	-3168 Jul 26 j 17:45	8°♄08'24	6.40236 AU	morning rise	-3162 Jan 16 j 21:00	22°♄56'17	
morning rise	-3168 Aug 09 j 18:42	11°♄12'18			-3162 Feb 16 j 14:44	0°♄	
retrograde	-3168 Dec 07 j 22:30	28°♄09'12		retrograde	-3162 May 28 j 17:50	13°♄12'14	
opposition	-3167 Feb 06 j 06:44	23°♄16'29	1°46'14	min. Earth dist.	-3162 Jul 27 j 06:43	8°♄16'31	4.00205 AU
min. Earth dist.	-3167 Feb 07 j 06:32	23°♄08'49	4.40653 AU	opposition	-3162 Jul 28 j 01:42	8°♄10'10	-1°-30'-56
direct	-3167 Apr 09 j 20:56	18°♄13'59		direct	-3162 Sep 24 j 09:07	3°♄16'38	
	-3167 Jul 17 j 10:36	0°♄		evening set	-3161 Jan 27 j 00:24	22°♄38'37	
evening set	-3167 Aug 15 j 01:21	6°♄02'51					
max. Earth dist.	-3167 Aug 26 j 01:33	8°♄27'59	6.39306 AU	conjunction	-3161 Feb 09 j 08:05	25°♄49'05	-1°-13'-26
				minimum elong	-3161 Feb 09 j 08:03	25°♄49'03	1°13'32
conjunction	-3167 Aug 27 j 19:20	8°♄51'01	1°19'45	max. Earth dist.	-3161 Feb 10 j 23:33	26°♄12'37	6.00056 AU
minimum elong	-3167 Aug 27 j 19:18	8°♄51'00	1°19'50	morning rise	-3161 Feb 22 j 18:57	29°♄01'12	
morning rise	-3167 Sep 09 j 10:40	11°♄37'55			-3161 Feb 26 j 22:36	0°♄	
	-3167 Sep 25 j 00:25	15°♄			-3161 May 11 j 21:39	15°♄	
retrograde	-3166 Jan 08 j 07:43	28°♄45'07		retrograde	-3161 Jul 04 j 20:51	19°♄21'50	
opposition	-3166 Mar 10 j 00:44	23°♄53'36	1°57'34		-3161 Aug 28 j 09:26	15°♄	
min. Earth dist.	-3166 Mar 11 j 08:56	23°♄43'21	4.36718 AU	min. Earth dist.	-3161 Sep 01 j 10:38	14°♄27'08	4.01953 AU
direct	-3166 May 11 j 16:22	18°♄53'11		opposition	-3161 Sep 02 j 16:25	14°♄17'02	-1°-59'-2
	-3166 Aug 14 j 00:50	0°♄		direct	-3161 Oct 30 j 15:43	9°♄21'07	
evening set	-3166 Sep 15 j 00:17	6°♄50'31			-3161 Dec 30 j 03:30	15°♄	
max. Earth dist.	-3166 Sep 25 j 17:49	9°♄14'39	6.32597 AU	evening set	-3160 Mar 04 j 03:31	28°♄39'10	
					-3160 Mar 09 j 21:50	0°♄	
conjunction	-3166 Sep 27 j 13:54	9°♄39'25	1°15'36	conjunction	-3160 Mar 17 j 17:54	1°♄50'13	-1°-17'-41
minimum elong	-3166 Sep 27 j 13:56	9°♄39'26	1°15'37	minimum elong	-3160 Mar 17 j 17:56	1°♄50'14	1°17'45
morning rise	-3166 Oct 10 j 01:50	12°♄27'40		max. Earth dist.	-3160 Mar 19 j 18:08	2°♄18'29	6.05235 AU
	-3165 Jan 30 j 22:32	0°♄		morning rise	-3160 Mar 31 j 10:53	5°♄02'23	
retrograde	-3165 Feb 10 j 01:03	0°♄09'37		retrograde	-3160 Aug 08 j 08:15	24°♄46'24	
	-3165 Feb 20 j 04:59	30°♌					
opposition	-3165 Apr 12 j 01:52	25°♄17'28	1°35'21	opposition	-3160 Oct 06 j 21:36	19°♄41'19	-1°-41'-55
min. Earth dist.	-3165 Apr 13 j 07:21	25°♄08'06	4.27637 AU	min. Earth dist.	-3160 Oct 05 j 16:04	19°♄51'24	4.10014 AU

Planetary Phenomena of Jupiter from -3400 through -2900 (UT), Astrodienst AG 14-Nov-2015 16:04, page 22

Attention, astronomical year style is used: The year -3160 in astronomical counting style is the year 3161 BCE in historical counting style.

direct	-3160 Dec 04 j 09:31	14° κ 42'04		min. Earth dist.	-3154 Mar 15 j 22:40	28° Ω 14'02	4.35406 AU
	-3159 Mar 24 j 13:15	0° Υ		direct	-3154 May 16 j 04:00	23° Ω 24'05	
evening set	-3159 Apr 09 j 20:33	3° Υ 39'20			-3154 Jul 25 j 06:15	0° η	
				evening set	-3154 Sep 19 j 10:55	11° η 24'34	
conjunction	-3159 Apr 23 j 15:02	6° Υ 47'37	0°-53'-30	max. Earth dist.	-3154 Sep 30 j 04:35	13° η 49'23	6.31026 AU
minimum elong	-3159 Apr 23 j 15:06	6° Υ 47'39	0°53'31				
max. Earth dist.	-3159 Apr 25 j 07:37	7° Υ 10'47	6.15491 AU	conjunction	-3154 Oct 02 j 00:11	14° η 13'59	1°13'03
morning rise	-3159 May 07 j 09:54	9° Υ 55'55		minimum elong	-3154 Oct 02 j 00:13	14° η 14'00	1°13'05
retrograde	-3159 Sep 10 j 22:00	28° Υ 40'29		morning rise	-3154 Oct 14 j 12:12	17° η 02'54	
opposition	-3159 Nov 09 j 08:34	23° Υ 37'48	0°-50'-15		-3154 Dec 18 j 16:47	0° ♁	
min. Earth dist.	-3159 Nov 08 j 13:50	23° Υ 44'09	4.21317 AU	retrograde	-3153 Feb 14 j 22:40	4° ♁ 52'11	
direct	-3158 Jan 08 j 00:10	18° Υ 35'49		opposition	-3153 Apr 16 j 22:31	29° η 59'50	1°29'24
	-3158 Apr 12 j 00:46	0° ♁			-3153 Apr 16 j 21:59	30° η	
evening set	-3158 May 15 j 05:42	7° ♁ 05'27		min. Earth dist.	-3153 Apr 18 j 03:31	29° η 50'36	4.25903 AU
				direct	-3153 Jun 17 j 18:08	25° η 02'37	
conjunction	-3158 May 28 j 22:32	10° ♁ 08'13	0°-12'-8		-3153 Aug 15 j 16:30	0° ♁	
minimum elong	-3158 May 28 j 22:33	10° ♁ 08'13	0°12'05	evening set	-3153 Oct 21 j 01:07	13° ♁ 22'52	
behind sun begin	-3158 May 28 j 17:03	10° ♁ 05'10		max. Earth dist.	-3153 Nov 01 j 07:45	15° ♁ 58'49	6.20188 AU
behind sun end	-3158 May 29 j 04:04	10° ♁ 11'17					
max. Earth dist.	-3158 May 29 j 16:05	10° ♁ 17'58	6.27004 AU	conjunction	-3153 Nov 02 j 15:19	16° ♁ 17'04	0°43'26
morning rise	-3158 Jun 11 j 13:55	13° ♁ 10'01		minimum elong	-3153 Nov 02 j 15:22	16° ♁ 17'06	0°43'25
	-3158 Jun 19 j 22:12	15° ♁		morning rise	-3153 Nov 15 j 05:41	19° ♁ 11'36	
asc. node	-3158 Sep 13 j 04:57	29° ♁ 34'32			-3152 Jan 04 j 22:54	0° ♁	
	-3158 Sep 18 j 06:34	0° ♁		retrograde	-3152 Mar 20 j 21:03	7° ♁ 55'01	
retrograde	-3158 Oct 12 j 16:44	0° ♁ 57'36		opposition	-3152 May 20 j 21:35	3° ♁ 00'07	0°32'38
	-3158 Nov 06 j 00:18	30° η		min. Earth dist.	-3152 May 21 j 12:52	2° ♁ 55'12	4.14403 AU
opposition	-3158 Dec 11 j 08:05	25° ♁ 58'43	0°14'40		-3152 Jun 15 j 01:24	30° η	
min. Earth dist.	-3158 Dec 11 j 04:31	25° ♁ 59'54	4.32003 AU	direct	-3152 Jul 20 j 10:04	28° ♁ 05'37	
direct	-3157 Feb 10 j 06:55	20° ♁ 55'13			-3152 Aug 24 j 09:21	0° ♁	
	-3157 May 05 j 01:22	0° ♁			-3152 Nov 14 j 01:12	15° ♁	
evening set	-3157 Jun 17 j 22:36	9° ♁ 01'07		evening set	-3152 Nov 22 j 00:10	16° ♁ 51'19	
				desc. node	-3152 Nov 23 j 08:16	17° ♁ 10'10	
conjunction	-3157 Jul 01 j 08:46	11° ♁ 57'20	0°31'40				
minimum elong	-3157 Jul 01 j 08:43	11° ♁ 57'18	0°31'46	conjunction	-3152 Dec 04 j 18:41	19° ♁ 52'08	0°-1'-24
max. Earth dist.	-3157 Jul 01 j 01:05	11° ♁ 53'07	6.36095 AU	minimum elong	-3152 Dec 04 j 18:42	19° ♁ 52'08	0°01'30
morning rise	-3157 Jul 14 j 15:52	14° ♁ 51'59		behind sun begin	-3152 Dec 04 j 10:38	19° ♁ 47'24	
	-3157 Oct 07 j 08:26	0° ♁		behind sun end	-3152 Dec 05 j 02:46	19° ♁ 56'53	
retrograde	-3157 Nov 12 j 13:33	2° ♁ 01'48		max. Earth dist.	-3152 Dec 04 j 09:04	19° ♁ 46'27	6.09110 AU
	-3157 Dec 18 j 20:13	30° η		morning rise	-3152 Dec 17 j 15:13	22° ♁ 54'11	
opposition	-3156 Jan 11 j 12:27	27° ♁ 06'43	1°12'48		-3151 Jan 17 j 21:42	0° ♁	
min. Earth dist.	-3156 Jan 12 j 01:17	27° ♁ 02'31	4.38918 AU	retrograde	-3151 Apr 26 j 13:36	12° ♁ 34'30	
direct	-3156 Mar 13 j 13:45	22° ♁ 03'13		opposition	-3151 Jun 26 j 07:13	7° ♁ 35'50	0°-38'-25
	-3156 May 30 j 23:45	0° ♁		min. Earth dist.	-3151 Jun 26 j 03:50	7° ♁ 36'57	4.04664 AU
evening set	-3156 Jul 19 j 03:57	9° ♁ 55'16		direct	-3151 Aug 24 j 11:52	2° ♁ 42'46	
max. Earth dist.	-3156 Jul 30 j 22:22	12° ♁ 29'19	6.40221 AU	evening set	-3151 Dec 26 j 19:05	21° ♁ 52'13	
conjunction	-3156 Aug 01 j 04:56	12° ♁ 46'02	1°05'20	conjunction	-3150 Jan 08 j 20:20	24° ♁ 59'13	0°-47'-6
minimum elong	-3156 Aug 01 j 04:53	12° ♁ 46'00	1°05'25	minimum elong	-3150 Jan 08 j 20:17	24° ♁ 59'11	0°47'13
morning rise	-3156 Aug 14 j 02:48	15° ♁ 35'14		max. Earth dist.	-3150 Jan 09 j 15:15	25° ♁ 10'32	6.01609 AU
	-3156 Nov 01 j 07:14	0° ♁		morning rise	-3150 Jan 22 j 00:33	28° ♁ 07'56	
retrograde	-3156 Dec 12 j 08:05	2° ♁ 32'56			-3150 Jan 29 j 22:29	0° ♁	
	-3155 Jan 22 j 19:08	30° η		retrograde	-3150 Jun 03 j 01:10	18° ♁ 25'54	
opposition	-3155 Feb 10 j 16:40	27° ♁ 40'29	1°49'43	min. Earth dist.	-3150 Aug 01 j 09:59	13° ♁ 30'28	4.00297 AU
min. Earth dist.	-3155 Feb 11 j 18:45	27° ♁ 32'06	4.40157 AU	opposition	-3150 Aug 02 j 07:05	13° ♁ 23'25	-1°-37'-28
direct	-3155 Apr 14 j 08:08	22° ♁ 38'10		direct	-3150 Sep 29 j 12:10	8° ♁ 29'42	
	-3155 Jun 28 j 11:54	0° ♁		evening set	-3149 Feb 01 j 05:27	27° ♁ 51'17	
evening set	-3155 Aug 19 j 10:18	10° ♁ 28'37			-3149 Feb 10 j 06:05	0° ♁	
max. Earth dist.	-3155 Aug 30 j 09:53	12° ♁ 53'45	6.38361 AU				
				conjunction	-3149 Feb 14 j 13:57	1° ♁ 01'52	-1°-15'-53
conjunction	-3155 Sep 01 j 03:39	13° ♁ 16'50	1°20'32	minimum elong	-3149 Feb 14 j 13:55	1° ♁ 01'51	1°16'00
minimum elong	-3155 Sep 01 j 03:38	13° ♁ 16'50	1°20'37	max. Earth dist.	-3149 Feb 16 j 06:15	1° ♁ 25'52	6.00634 AU
	-3155 Sep 08 j 22:17	15° ♁		morning rise	-3149 Feb 28 j 01:52	4° ♁ 14'08	
morning rise	-3155 Sep 13 j 18:08	16° ♁ 03'48			-3149 Apr 17 j 17:21	15° ♁	
	-3155 Nov 26 j 23:07	0° ♁		retrograde	-3149 Jul 09 j 21:37	24° ♁ 30'59	
retrograde	-3154 Jan 12 j 20:12	3° η 15'33		min. Earth dist.	-3149 Sep 06 j 10:43	19° ♁ 36'25	4.02968 AU
	-3154 Mar 01 j 19:48	30° η		opposition	-3149 Sep 07 j 17:23	19° ♁ 25'59	-1°-59'-17
opposition	-3154 Mar 14 j 15:04	28° ♁ 24'05	1°56'26		-3149 Oct 18 j 14:40	15° η	

Attention, astronomical year style is used: The year -3149 in astronomical counting style is the year 3150 BCE in historical counting style.

direct	-3149 Nov 04 j 17:17	14°≈29'38			-3143 Mar 04 j 08:19	30°R☉		
	-3149 Nov 21 j 22:23	15°≈		direct	-3143 Apr 18 j 19:29	27°☉06'08		
	-3148 Feb 21 j 23:50	0°✕			-3143 Jun 03 j 03:07	0°Ω		
evening set	-3148 Mar 09 j 07:52	3°✕44'56		evening set	-3143 Aug 23 j 20:19	14°Ω57'59		
					-3143 Aug 24 j 00:00	15°Ω		
conjunction	-3148 Mar 22 j 23:09	6°✕55'44	-1°-15'-50	max. Earth dist.	-3143 Sep 03 j 17:07	17°Ω22'00	6.37495 AU	
minimum elong	-3148 Mar 22 j 23:12	6°✕55'46	1°15'53					
max. Earth dist.	-3148 Mar 25 j 00:00	7°✕24'16	6.06605 AU	conjunction	-3143 Sep 05 j 12:43	17°Ω46'10	1°20'53	
morning rise	-3148 Apr 05 j 16:30	10°✕07'27		minimum elong	-3143 Sep 05 j 12:43	17°Ω46'10	1°20'57	
retrograde	-3148 Aug 13 j 04:35	29°✕43'35		morning rise	-3143 Sep 18 j 02:44	20°Ω33'15		
opposition	-3148 Oct 11 j 16:25	24°✕38'46	-1°-36'-18		-3143 Nov 02 j 21:58	0°൬		
min. Earth dist.	-3148 Oct 10 j 12:42	24°✕48'14	4.11582 AU	retrograde	-3142 Jan 17 j 11:47	7°൬49'19		
direct	-3148 Dec 09 j 08:02	19°✕39'09		opposition	-3142 Mar 19 j 06:46	2°൬57'50	1°54'38	
	-3147 Mar 06 j 09:26	0°∇		min. Earth dist.	-3142 Mar 20 j 14:36	2°൬47'42	4.34254 AU	
evening set	-3147 Apr 14 j 21:20	8°∇32'29			-3142 Apr 13 j 06:16	30°RΩ		
				direct	-3142 May 20 j 18:10	27°Ω58'12		
conjunction	-3147 Apr 28 j 15:50	11°∇40'07	0°-48'-24		-3142 Jun 27 j 02:00	0°൬		
minimum elong	-3147 Apr 28 j 15:54	11°∇40'09	0°48'24	evening set	-3142 Sep 23 j 21:38	16°൬00'59		
max. Earth dist.	-3147 Apr 30 j 05:09	12°∇01'19	6.17131 AU	max. Earth dist.	-3142 Oct 04 j 17:52	18°൬27'40	6.29706 AU	
morning rise	-3147 May 12 j 10:40	14°∇47'39						
	-3147 Jul 30 j 08:53	0°♁		conjunction	-3142 Oct 06 j 10:54	18°൬50'53	1°10'06	
retrograde	-3147 Sep 15 j 09:52	3°♁23'44		minimum elong	-3142 Oct 06 j 10:57	18°൬50'55	1°10'07	
	-3147 Nov 01 j 13:09	30°R∇		morning rise	-3142 Oct 18 j 22:49	21°൬40'21		
opposition	-3147 Nov 13 j 21:30	28°∇21'34	0°-41'-27		-3142 Nov 26 j 20:58	0°♁		
min. Earth dist.	-3147 Nov 13 j 04:15	28°∇27'24	4.22880 AU	retrograde	-3141 Feb 19 j 18:18	9°♁36'04		
direct	-3146 Jan 12 j 16:52	23°∇19'17		opposition	-3141 Apr 21 j 19:24	4°♁43'26	1°22'54	
	-3146 Mar 22 j 20:45	0°♁		min. Earth dist.	-3141 Apr 22 j 22:07	4°♁34'55	4.24504 AU	
evening set	-3146 May 20 j 01:09	11°♁45'33			-3141 Jun 10 j 11:42	30°R൬		
				direct	-3141 Jun 22 j 10:40	29°൬46'41		
conjunction	-3146 Jun 02 j 17:22	14°♁47'29	0°-5'-51		-3141 Jul 04 j 10:11	0°♁		
minimum elong	-3146 Jun 02 j 17:23	14°♁47'29	0°05'48	evening set	-3141 Oct 25 j 15:11	18°♁09'27		
behind sun begin	-3146 Jun 02 j 09:28	14°♁43'06		max. Earth dist.	-3141 Nov 06 j 00:26	20°♁47'26	6.18840 AU	
behind sun end	-3146 Jun 03 j 01:18	14°♁51'52						
max. Earth dist.	-3146 Jun 03 j 07:09	14°♁55'07	6.28390 AU	conjunction	-3141 Nov 07 j 05:37	21°♁04'21	0°37'46	
	-3146 Jun 03 j 15:56	15°♁		minimum elong	-3141 Nov 07 j 05:39	21°♁04'22	0°37'43	
morning rise	-3146 Jun 16 j 07:48	17°♁48'20		morning rise	-3141 Nov 19 j 20:40	23°♁59'44		
asc. node	-3146 Jul 24 j 02:07	25°♁45'09			-3141 Dec 16 j 15:35	0°♁		
	-3146 Aug 16 j 16:40	0°♁		retrograde	-3140 Mar 25 j 22:55	12°♁50'08		
retrograde	-3146 Oct 17 j 02:49	5°♁29'47		opposition	-3140 May 25 j 23:00	7°♁54'42	0°22'58	
opposition	-3146 Dec 15 j 17:48	0°♁31'31	0°23'38	min. Earth dist.	-3140 May 26 j 12:00	7°♁50'30	4.13189 AU	
min. Earth dist.	-3146 Dec 15 j 17:12	0°♁31'43	4.33100 AU	direct	-3140 Jul 25 j 08:01	3°♁00'27		
	-3146 Dec 19 j 16:47	30°R♁		desc. node	-3140 Oct 03 j 00:43	10°♁02'07		
direct	-3145 Feb 14 j 21:11	25°♁27'58			-3140 Oct 27 j 19:39	15°♁		
	-3145 Apr 12 j 17:10	0°♁		evening set	-3140 Nov 26 j 18:43	21°♁48'19		
evening set	-3145 Jun 22 j 13:02	13°♁31'51						
				conjunction	-3140 Dec 09 j 14:08	24°♁49'54	0°-8'-9	
conjunction	-3145 Jul 05 j 21:59	16°♁27'18	0°37'14	minimum elong	-3140 Dec 09 j 14:08	24°♁49'54	0°08'15	
minimum elong	-3145 Jul 05 j 21:57	16°♁27'17	0°37'20	behind sun begin	-3140 Dec 09 j 06:58	24°♁45'41		
max. Earth dist.	-3145 Jul 05 j 10:04	16°♁20'47	6.36805 AU	behind sun end	-3140 Dec 09 j 21:17	24°♁54'07		
morning rise	-3145 Jul 19 j 03:54	19°♁21'11		max. Earth dist.	-3140 Dec 09 j 09:07	24°♁46'57	6.08154 AU	
	-3145 Sep 10 j 08:06	0°♁		morning rise	-3140 Dec 22 j 11:30	27°♁52'45		
retrograde	-3145 Nov 16 j 21:27	6°♁28'29			-3140 Dec 31 j 13:22	0°♁		
opposition	-3144 Jan 15 j 21:33	1°♁33'51	1°19'34	retrograde	-3139 May 01 j 17:59	17°♁38'13		
min. Earth dist.	-3144 Jan 16 j 12:20	1°♁29'02	4.39228 AU	opposition	-3139 Jul 01 j 10:40	12°♁39'00	0°-47'-59	
	-3144 Jan 28 j 02:20	30°R♁		min. Earth dist.	-3139 Jul 01 j 04:41	12°♁40'58	4.04069 AU	
direct	-3144 Mar 18 j 00:48	26°♁30'26		direct	-3139 Aug 29 j 11:38	7°♁45'58		
	-3144 May 06 j 23:58	0°♁		evening set	-3139 Dec 31 j 18:26	26°♁56'26		
evening set	-3144 Jul 23 j 15:05	14°♁22'22						
max. Earth dist.	-3144 Aug 04 j 07:17	16°♁55'20	6.40106 AU	conjunction	-3138 Jan 13 j 20:26	0°♁03'52	0°-52'-28	
				minimum elong	-3138 Jan 13 j 20:23	0°♁03'51	0°52'35	
conjunction	-3144 Aug 05 j 14:57	17°♁12'41	1°08'44		-3138 Jan 13 j 13:57	0°♁		
minimum elong	-3144 Aug 05 j 14:55	17°♁12'40	1°08'50	max. Earth dist.	-3138 Jan 14 j 17:22	0°♁16'23	6.01396 AU	
morning rise	-3144 Aug 18 j 11:30	20°♁01'25		morning rise	-3138 Jan 27 j 01:47	3°♁13'06		
	-3144 Oct 06 j 21:00	0°Ω		retrograde	-3138 Jun 08 j 03:34	23°♁32'10		
retrograde	-3144 Dec 16 j 17:57	7°Ω00'15		min. Earth dist.	-3138 Aug 06 j 09:55	18°♁36'56	4.00503 AU	
opposition	-3143 Feb 15 j 03:49	2°Ω08'06	1°52'38	opposition	-3138 Aug 07 j 09:04	18°♁29'09	-1°-43'-2	
min. Earth dist.	-3143 Feb 16 j 06:55	1°Ω59'25	4.39650 AU	direct	-3138 Oct 04 j 12:24	13°♁35'06		

Attention, astronomical year style is used: The year -3137 in astronomical counting style is the year 3138 BCE in historical counting style.

	-3137 Jan 24 j 18:52	0°♊		evening set	-3132 Jul 28 j 01:55	18°♄48'42	
evening set	-3137 Feb 06 j 07:31	2°♊56'03		max. Earth dist.	-3132 Aug 08 j 14:31	21°♄19'52	6.40034 AU
conjunction	-3137 Feb 19 j 17:06	6°♊06'47	-1°-17'-41	conjunction	-3132 Aug 10 j 00:36	21°♄38'33	1°11'43
minimum elong	-3137 Feb 19 j 17:05	6°♊06'46	1°17'48	minimum elong	-3132 Aug 10 j 00:33	21°♄38'32	1°11'50
max. Earth dist.	-3137 Feb 21 j 12:09	6°♊32'22	6.01231 AU	morning rise	-3132 Aug 22 j 20:05	24°♄26'52	
morning rise	-3137 Mar 05 j 05:42	9°♊19'04			-3132 Sep 18 j 00:33	0°♄	
	-3137 Mar 29 j 22:36	15°♊		retrograde	-3132 Dec 21 j 03:53	11°♄26'41	
retrograde	-3137 Jul 14 j 21:26	29°♊31'58		opposition	-3131 Feb 19 j 15:17	6°♄34'40	1°54'53
min. Earth dist.	-3137 Sep 11 j 09:16	24°♊37'00	4.03896 AU	min. Earth dist.	-3131 Feb 20 j 18:58	6°♄25'48	4.39252 AU
opposition	-3137 Sep 12 j 15:00	24°♊26'52	-1°-58'-39	direct	-3131 Apr 23 j 06:38	1°♄32'56	
direct	-3137 Nov 09 j 16:36	19°♊30'05			-3131 Aug 07 j 16:44	15°♄	
	-3136 Feb 04 j 01:27	0°♋		evening set	-3131 Aug 28 j 05:20	19°♄25'27	
evening set	-3136 Mar 14 j 09:45	8°♋43'09		max. Earth dist.	-3131 Sep 08 j 02:40	21°♄50'03	6.36781 AU
conjunction	-3136 Mar 28 j 01:40	11°♋53'44	-1°-13'-29	conjunction	-3131 Sep 09 j 21:05	22°♄13'37	1°20'45
minimum elong	-3136 Mar 28 j 01:43	11°♋53'46	1°13'32	minimum elong	-3131 Sep 09 j 21:05	22°♄13'37	1°20'48
max. Earth dist.	-3136 Mar 30 j 00:58	12°♋21'15	6.07772 AU	morning rise	-3131 Sep 22 j 10:21	25°♄00'43	
morning rise	-3136 Apr 10 j 19:39	15°♋05'09			-3131 Oct 15 j 12:59	0°♄	
	-3136 Jun 23 j 17:34	0°♌		retrograde	-3130 Jan 22 j 01:31	12°♄20'39	
retrograde	-3136 Aug 17 j 20:29	4°♌34'07		opposition	-3130 Mar 23 j 21:49	7°♄29'08	1°52'08
	-3136 Oct 12 j 15:11	30°♌		min. Earth dist.	-3130 Mar 25 j 05:30	7°♄19'04	4.33244 AU
min. Earth dist.	-3136 Oct 15 j 05:15	29°♌38'52	4.12875 AU	direct	-3130 May 25 j 07:29	2°♄29'55	
opposition	-3136 Oct 16 j 08:28	29°♌29'34	-1°-30'-12	evening set	-3130 Sep 28 j 07:27	20°♄34'29	
direct	-3136 Dec 14 j 02:27	24°♌29'32		max. Earth dist.	-3130 Oct 09 j 03:07	23°♄01'21	6.28457 AU
	-3135 Feb 13 j 01:03	0°♌		conjunction	-3130 Oct 10 j 20:28	23°♄24'49	1°06'43
evening set	-3135 Apr 19 j 20:02	13°♌20'05		minimum elong	-3130 Oct 10 j 20:31	23°♄24'51	1°06'44
conjunction	-3135 May 03 j 14:39	16°♌27'11	0°-43'-5	morning rise	-3130 Oct 23 j 08:40	26°♄14'53	
minimum elong	-3135 May 03 j 14:42	16°♌27'13	0°43'04		-3130 Nov 09 j 05:34	0°♄	
max. Earth dist.	-3135 May 05 j 00:24	16°♌46'20	6.18468 AU	retrograde	-3129 Feb 24 j 14:00	14°♄17'03	
morning rise	-3135 May 17 j 09:14	19°♌34'03		opposition	-3129 Apr 26 j 15:14	9°♄24'05	1°15'54
	-3135 Jul 06 j 03:33	0°♍		min. Earth dist.	-3129 Apr 27 j 16:40	9°♄15'58	4.23066 AU
retrograde	-3135 Sep 19 j 23:06	8°♍03'02		direct	-3129 Jun 27 j 02:58	4°♄27'40	
opposition	-3135 Nov 18 j 09:27	3°♍01'22	0°-32'-33	evening set	-3129 Oct 30 j 04:04	22°♄53'25	
min. Earth dist.	-3135 Nov 17 j 19:11	3°♍06'11	4.24126 AU	conjunction	-3129 Nov 11 j 19:10	25°♄49'10	0°31'52
	-3135 Dec 12 j 12:23	30°♌		minimum elong	-3129 Nov 11 j 19:12	25°♄49'12	0°31'49
direct	-3134 Jan 17 j 09:42	27°♌58'51		max. Earth dist.	-3129 Nov 10 j 17:32	25°♄34'16	6.17347 AU
	-3134 Feb 22 j 16:51	0°♍		morning rise	-3129 Nov 24 j 10:48	28°♄45'30	
	-3134 May 18 j 12:36	15°♍			-3129 Nov 29 j 20:10	0°♄	
evening set	-3134 May 24 j 19:29	16°♍22'43		retrograde	-3128 Feb 17 j 06:22	15°♄	
asc. node	-3134 Jun 03 j 07:50	18°♍28'55			-3128 Mar 31 j 00:07	17°♄43'41	
conjunction	-3134 Jun 07 j 11:04	19°♍23'56	0°00'29		-3128 May 13 j 06:21	15°♄	
minimum elong	-3134 Jun 07 j 11:04	19°♍23'55	0°00'34	opposition	-3128 May 30 j 23:45	12°♄47'49	0°13'09
behind sun begin	-3134 Jun 07 j 02:47	19°♍19'21		min. Earth dist.	-3128 May 31 j 10:42	12°♄44'17	4.11748 AU
behind sun end	-3134 Jun 07 j 19:21	19°♍28'30		direct	-3128 Jul 30 j 04:23	7°♄53'53	
max. Earth dist.	-3134 Jun 07 j 21:52	19°♍29'54	6.29467 AU	desc. node	-3128 Aug 12 j 19:27	8°♄11'57	
morning rise	-3134 Jun 21 j 00:32	22°♍23'57			-3128 Oct 08 j 02:09	15°♄	
	-3134 Jul 27 j 02:11	0°♎		evening set	-3128 Dec 01 j 13:20	26°♄45'12	
retrograde	-3134 Oct 21 j 10:40	10°♎00'22		conjunction	-3128 Dec 14 j 09:26	29°♄47'40	0°-14'-51
opposition	-3134 Dec 20 j 03:11	5°♎02'38	0°32'22	minimum elong	-3128 Dec 14 j 09:24	29°♄47'39	0°14'57
min. Earth dist.	-3134 Dec 20 j 03:53	5°♎02'24	4.33954 AU	behind sun begin	-3128 Dec 14 j 06:10	29°♄45'44	
	-3133 Feb 16 j 04:43	30°♌		behind sun end	-3128 Dec 14 j 12:39	29°♄49'34	
direct	-3133 Feb 19 j 08:53	29°♌59'03		max. Earth dist.	-3128 Dec 14 j 06:27	29°♄45'54	6.06881 AU
	-3133 Feb 22 j 13:22	0°♎			-3128 Dec 15 j 06:14	0°♄	
evening set	-3133 Jun 27 j 03:18	18°♎01'35		morning rise	-3128 Dec 27 j 07:59	2°♄51'33	
conjunction	-3133 Jul 10 j 11:00	20°♎56'18	0°42'34	retrograde	-3127 May 06 j 22:41	22°♄43'45	
minimum elong	-3133 Jul 10 j 10:57	20°♎56'16	0°42'39	opposition	-3127 Jul 06 j 14:24	17°♄43'58	0°-57'-18
max. Earth dist.	-3133 Jul 09 j 20:11	20°♎48'11	6.37380 AU	min. Earth dist.	-3127 Jul 06 j 05:29	17°♄46'54	4.03092 AU
morning rise	-3133 Jul 23 j 15:37	23°♎49'24		direct	-3127 Sep 03 j 11:24	12°♄50'53	
	-3133 Aug 21 j 23:06	0°♏			-3127 Dec 28 j 00:57	0°♄	
retrograde	-3133 Nov 21 j 06:49	10°♏54'35		evening set	-3126 Jan 05 j 19:13	2°♄04'14	
opposition	-3132 Jan 20 j 06:58	6°♏00'24	1°25'49	conjunction	-3126 Jan 18 j 22:25	5°♄12'25	0°-57'-30
min. Earth dist.	-3132 Jan 21 j 00:02	5°♏54'51	4.39505 AU	minimum elong	-3126 Jan 18 j 22:22	5°♄12'23	0°57'36
direct	-3132 Mar 22 j 13:13	0°♏57'09					

Planetary Phenomena of Jupiter from -3400 through -2900 (UT), Astrodienst AG 14-Nov-2015 16:04, page 25

Attention, astronomical year style is used: The year -3126 in astronomical counting style is the year 3127 BCE in historical counting style.

max. Earth dist.	-3126 Jan 20 j 00:00	5°☾27'43	6.00801 AU	retrograde	-3121 Nov 25 j 11:54	15°☾18'15	
morning rise	-3126 Feb 01 j 04:42	8°☾22'20		opposition	-3120 Jan 24 j 15:29	10°☾24'23	1°31'25
retrograde	-3126 Jun 13 j 10:06	28°☾43'52		min. Earth dist.	-3120 Jan 25 j 09:21	10°☾18'35	4.40419 AU
opposition	-3126 Aug 12 j 12:41	23°☾40'28	-1°-47'-57	direct	-3120 Mar 26 j 23:36	5°☾21'15	
min. Earth dist.	-3126 Aug 11 j 12:57	23°☾48'27	4.00371 AU	evening set	-3120 Aug 01 j 10:21	23°☾10'03	
direct	-3126 Oct 09 j 14:46	18°☾46'07		max. Earth dist.	-3120 Aug 12 j 19:59	25°☾39'34	6.40552 AU
	-3125 Jan 06 j 16:40	0°☾					
evening set	-3125 Feb 11 j 12:38	8°☾07'57		conjunction	-3120 Aug 14 j 07:42	25°☾59'09	1°14'12
				minimum elong	-3120 Aug 14 j 07:40	25°☾59'08	1°14'17
conjunction	-3125 Feb 24 j 23:10	11°☾18'59	-1°-18'-56	morning rise	-3120 Aug 27 j 02:00	28°☾46'46	
minimum elong	-3125 Feb 24 j 23:10	11°☾18'59	1°19'01		-3120 Sep 01 j 16:59	0°☾	
max. Earth dist.	-3125 Feb 26 j 19:17	11°☾45'09	6.01546 AU		-3120 Dec 03 j 07:29	15°☾	
morning rise	-3125 Mar 10 j 12:54	14°☾31'34		retrograde	-3120 Dec 25 j 11:01	15°☾45'48	
	-3125 Mar 12 j 13:20	15°☾			-3119 Jan 16 j 13:43	15°☾	
	-3125 May 24 j 23:25	0°☾		opposition	-3119 Feb 23 j 23:55	10°☾53'58	1°56'20
retrograde	-3125 Jul 19 j 22:25	4°☾41'12		min. Earth dist.	-3119 Feb 25 j 05:33	10°☾44'30	4.39330 AU
	-3125 Sep 14 j 16:51	30°☾		direct	-3119 Apr 27 j 17:12	5°☾52'30	
min. Earth dist.	-3125 Sep 16 j 08:21	29°☾46'33	4.04642 AU		-3119 Jul 21 j 09:10	15°☾	
opposition	-3125 Sep 17 j 15:13	29°☾36'02	-1°-57'-6	evening set	-3119 Sep 01 j 10:40	23°☾44'05	
direct	-3125 Nov 14 j 16:55	24°☾38'49		max. Earth dist.	-3119 Sep 12 j 05:02	26°☾07'16	6.36391 AU
	-3124 Jan 12 j 18:04	0°☾					
evening set	-3124 Mar 19 j 15:04	13°☾50'20		conjunction	-3119 Sep 14 j 01:40	26°☾32'05	1°20'07
				minimum elong	-3119 Sep 14 j 01:41	26°☾32'06	1°20'11
conjunction	-3124 Apr 02 j 07:41	17°☾00'44	-1°-10'-30	morning rise	-3119 Sep 26 j 14:31	29°☾19'09	
minimum elong	-3124 Apr 02 j 07:45	17°☾00'46	1°10'33		-3119 Sep 29 j 16:31	0°☾	
max. Earth dist.	-3124 Apr 04 j 05:53	17°☾27'33	6.08895 AU	retrograde	-3118 Jan 26 j 11:04	16°☾42'09	
morning rise	-3124 Apr 16 j 02:06	20°☾11'50		opposition	-3118 Mar 28 j 08:58	11°☾50'28	1°49'01
	-3124 May 31 j 06:24	0°☾		min. Earth dist.	-3118 Mar 29 j 16:32	11°☾40'25	4.32395 AU
retrograde	-3124 Aug 22 j 17:32	9°☾33'40		direct	-3118 May 29 j 16:37	6°☾51'30	
min. Earth dist.	-3124 Oct 20 j 02:31	4°☾38'03	4.14248 AU	evening set	-3118 Oct 02 j 12:51	24°☾57'31	
opposition	-3124 Oct 21 j 03:53	4°☾29'24	-1°-23'-16	max. Earth dist.	-3118 Oct 13 j 10:12	27°☾25'42	6.27222 AU
	-3124 Dec 01 j 12:22	30°☾					
direct	-3124 Dec 19 j 02:14	29°☾28'58		conjunction	-3118 Oct 15 j 01:58	27°☾48'21	1°03'04
	-3123 Jan 05 j 18:16	0°☾		minimum elong	-3118 Oct 15 j 02:01	27°☾48'23	1°03'04
evening set	-3123 Apr 24 j 22:00	18°☾16'13			-3118 Oct 24 j 17:24	0°☾	
				morning rise	-3118 Oct 27 j 14:13	0°☾39'00	
conjunction	-3123 May 08 j 16:39	21°☾22'40	0°-37'-19	retrograde	-3117 Mar 01 j 05:52	18°☾47'49	
minimum elong	-3123 May 08 j 16:42	21°☾22'42	0°37'18	opposition	-3117 May 01 j 07:08	13°☾54'35	1°08'41
max. Earth dist.	-3123 May 10 j 01:24	21°☾41'10	6.20031 AU	min. Earth dist.	-3117 May 02 j 08:19	13°☾46'33	4.21496 AU
morning rise	-3123 May 22 j 10:48	24°☾28'41		direct	-3117 Jul 01 j 15:38	8°☾58'31	
	-3123 Jun 16 j 17:24	0°☾		evening set	-3117 Nov 03 j 13:40	27°☾28'00	
retrograde	-3123 Sep 24 j 12:01	12°☾49'21			-3117 Nov 14 j 10:50	0°☾	
opposition	-3123 Nov 22 j 23:42	7°☾48'13	0°-23'-16	max. Earth dist.	-3117 Nov 15 j 03:45	0°☾09'52	6.15579 AU
min. Earth dist.	-3123 Nov 22 j 10:03	7°☾52'49	4.25761 AU				
direct	-3122 Jan 22 j 03:03	2°☾45'31		conjunction	-3117 Nov 16 j 05:11	0°☾24'43	0°25'58
asc. node	-3122 Apr 12 j 10:48	11°☾21'12		minimum elong	-3117 Nov 16 j 05:13	0°☾24'44	0°25'55
	-3122 May 01 j 02:35	15°☾		morning rise	-3117 Nov 28 j 21:48	3°☾22'12	
evening set	-3122 May 29 j 15:52	21°☾05'20			-3116 Jan 22 j 10:33	15°☾	
				retrograde	-3116 Apr 04 j 22:10	22°☾29'27	
conjunction	-3122 Jun 12 j 06:24	24°☾05'28	0°06'52	opposition	-3116 Jun 04 j 21:11	17°☾33'06	0°03'32
minimum elong	-3122 Jun 12 j 06:23	24°☾05'27	0°06'58	min. Earth dist.	-3116 Jun 05 j 05:37	17°☾30'22	4.09913 AU
behind sun begin	-3122 Jun 11 j 22:45	24°☾01'15		desc. node	-3116 Jun 24 j 13:34	15°☾07'09	
behind sun end	-3122 Jun 12 j 14:01	24°☾09'39			-3116 Jun 25 j 15:20	15°☾	
max. Earth dist.	-3122 Jun 12 j 13:18	24°☾09'16	6.31081 AU	direct	-3116 Aug 03 j 20:32	12°☾39'18	
morning rise	-3122 Jun 25 j 18:50	27°☾04'21			-3116 Sep 11 j 10:08	15°☾	
	-3122 Jul 09 j 06:35	0°☾			-3116 Nov 29 j 10:51	0°☾	
retrograde	-3122 Oct 25 j 20:57	14°☾33'49		evening set	-3116 Dec 06 j 06:04	1°☾36'00	
opposition	-3122 Dec 24 j 13:53	9°☾36'35	0°40'55				
min. Earth dist.	-3122 Dec 24 j 17:20	9°☾35'27	4.35433 AU	conjunction	-3116 Dec 19 j 03:18	4°☾39'41	0°-21'-15
direct	-3121 Feb 24 j 01:00	4°☾32'58		minimum elong	-3116 Dec 19 j 03:16	4°☾39'40	0°21'22
evening set	-3121 Jul 01 j 16:58	22°☾31'34		max. Earth dist.	-3116 Dec 19 j 04:38	4°☾40'29	6.05164 AU
				morning rise	-3115 Jan 01 j 02:51	7°☾44'49	
conjunction	-3121 Jul 14 j 23:26	25°☾25'14	0°47'36	retrograde	-3115 May 12 j 04:46	27°☾45'28	
minimum elong	-3121 Jul 14 j 23:23	25°☾25'12	0°47'41	opposition	-3115 Jul 11 j 16:43	22°☾45'12	-1°-6'00
max. Earth dist.	-3121 Jul 14 j 06:46	25°☾16'07	6.38609 AU	min. Earth dist.	-3115 Jul 11 j 06:26	22°☾48'36	4.01671 AU
morning rise	-3121 Jul 28 j 02:33	28°☾17'14		direct	-3115 Sep 08 j 09:47	17°☾52'06	
	-3121 Aug 05 j 00:52	0°☾			-3115 Dec 10 j 17:06	0°☾	

Planetary Phenomena of Jupiter from -3400 through -2900 (UT), Astrodienst AG 14-Nov-2015 16:04, page 26

Attention, astronomical year style is used: The year -3114 in astronomical counting style is the year 3115 BCE in historical counting style.

evening set	-3114 Jan 10 j 20:08	7°♁10'18		conjunction	-3109 Jul 19 j 11:54	29°♁55'04	0°52'26
				minimum elong	-3109 Jul 19 j 11:51	29°♁55'03	0°52'33
conjunction	-3114 Jan 24 j 00:23	10°♁19'26	-1°-1'-59	max. Earth dist.	-3109 Jul 18 j 14:51	29°♁43'34	6.39415 AU
minimum elong	-3114 Jan 24 j 00:20	10°♁19'24	1°02'06		-3109 Jul 19 j 20:55	0°♁	
max. Earth dist.	-3114 Jan 25 j 04:22	10°♁36'12	5.99795 AU	morning rise	-3109 Aug 01 j 13:46	2°♁46'14	
morning rise	-3114 Feb 06 j 08:04	13°♁30'23		retrograde	-3109 Nov 29 j 21:11	19°♁44'52	
	-3114 Apr 28 j 13:54	0°♁		opposition	-3108 Jan 29 j 01:19	14°♁51'24	1°36'42
retrograde	-3114 Jun 18 j 15:13	3°♁55'40		min. Earth dist.	-3108 Jan 29 j 22:13	14°♁44'38	4.40776 AU
	-3114 Aug 09 j 04:52	30°♁♁		direct	-3108 Mar 31 j 12:52	9°♁48'25	
opposition	-3114 Aug 17 j 16:20	28°♁51'54	-1°-51'-56	evening set	-3108 Aug 05 j 20:17	27°♁36'31	
min. Earth dist.	-3114 Aug 16 j 13:49	29°♁00'50	3.99927 AU		-3108 Aug 16 j 18:40	0°♁	
direct	-3114 Oct 14 j 15:20	23°♁57'16		max. Earth dist.	-3108 Aug 17 j 03:07	0°♁04'38	6.40405 AU
	-3114 Dec 16 j 05:48	0°♁					
evening set	-3113 Feb 16 j 18:59	13°♁21'10		conjunction	-3108 Aug 18 j 16:40	0°♁25'14	1°16'23
	-3113 Feb 23 j 18:20	15°♁		minimum elong	-3108 Aug 18 j 16:38	0°♁25'13	1°16'28
				morning rise	-3108 Aug 31 j 09:53	3°♁12'30	
conjunction	-3113 Mar 02 j 06:39	16°♁32'38	-1°-19'-28		-3108 Oct 30 j 12:44	15°♁	
minimum elong	-3113 Mar 02 j 06:39	16°♁32'38	1°19'33	retrograde	-3108 Dec 29 j 20:41	20°♁13'15	
max. Earth dist.	-3113 Mar 04 j 04:45	16°♁59'57	6.01693 AU	opposition	-3107 Feb 28 j 11:53	15°♁21'31	1°57'19
morning rise	-3113 Mar 15 j 21:18	19°♁45'32		min. Earth dist.	-3107 Mar 01 j 17:42	15°♁12'00	4.38712 AU
	-3113 May 01 j 04:27	0°♁			-3107 Mar 03 j 07:18	15°♁♁	
retrograde	-3113 Jul 25 j 01:43	9°♁52'10		direct	-3107 May 02 j 04:03	10°♁20'21	
min. Earth dist.	-3113 Sep 21 j 09:37	4°♁57'21	4.05348 AU		-3107 Jun 29 j 11:25	15°♁	
opposition	-3113 Sep 22 j 16:14	4°♁46'53	-1°-54'-33	evening set	-3107 Sep 05 j 19:39	28°♁13'20	
	-3113 Nov 09 j 14:55	30°♁♁			-3107 Sep 13 j 19:48	0°♁	
direct	-3113 Nov 19 j 20:31	29°♁49'11		max. Earth dist.	-3107 Sep 16 j 13:33	0°♁36'40	6.35341 AU
	-3113 Nov 30 j 01:48	0°♁					
evening set	-3112 Mar 24 j 21:41	18°♁59'03		conjunction	-3107 Sep 18 j 10:05	1°♁01'31	1°19'05
				minimum elong	-3107 Sep 18 j 10:06	1°♁01'31	1°19'08
conjunction	-3112 Apr 07 j 15:05	22°♁09'15	-1°-6'-55	morning rise	-3107 Sep 30 j 22:30	3°♁48'51	
minimum elong	-3112 Apr 07 j 15:09	22°♁09'17	1°06'57	retrograde	-3106 Jan 31 j 03:31	21°♁17'16	
max. Earth dist.	-3112 Apr 09 j 14:27	22°♁36'38	6.10099 AU	opposition	-3106 Apr 02 j 01:44	16°♁25'30	1°45'12
morning rise	-3112 Apr 21 j 09:47	25°♁19'55		min. Earth dist.	-3106 Apr 03 j 09:59	16°♁15'15	4.30967 AU
	-3112 May 12 j 03:53	0°♁		direct	-3106 Jun 03 j 07:53	11°♁26'57	
retrograde	-3112 Aug 27 j 13:06	14°♁33'40		evening set	-3106 Oct 07 j 00:07	29°♁36'10	
opposition	-3112 Oct 25 j 23:25	9°♁29'40	-1°-15'-39		-3106 Oct 08 j 18:08	0°♁	
min. Earth dist.	-3112 Oct 24 j 22:17	9°♁38'14	4.15789 AU	max. Earth dist.	-3106 Oct 17 j 21:36	2°♁05'04	6.25535 AU
direct	-3112 Dec 24 j 00:29	4°♁28'51					
evening set	-3111 Apr 30 j 00:15	23°♁12'03		conjunction	-3106 Oct 19 j 13:19	2°♁27'45	0°58'51
				minimum elong	-3106 Oct 19 j 13:22	2°♁27'46	0°58'50
conjunction	-3111 May 13 j 18:31	26°♁17'38	0°-31'-15	morning rise	-3106 Nov 01 j 02:04	5°♁19'17	
minimum elong	-3111 May 13 j 18:34	26°♁17'39	0°31'14	retrograde	-3105 Mar 06 j 03:54	23°♁36'20	
max. Earth dist.	-3111 May 14 j 23:17	26°♁33'49	6.21748 AU	opposition	-3105 May 06 j 05:51	18°♁42'43	1°00'34
morning rise	-3111 May 27 j 12:19	29°♁22'42		min. Earth dist.	-3105 May 07 j 04:29	18°♁35'29	4.19668 AU
	-3111 May 30 j 07:16	0°♁		direct	-3105 Jul 06 j 09:17	13°♁47'01	
	-3111 Aug 19 j 08:35	15°♁			-3105 Oct 29 j 01:27	0°♁	
retrograde	-3111 Sep 29 j 01:49	17°♁34'39		evening set	-3105 Nov 08 j 06:03	2°♁20'56	
	-3111 Nov 08 j 15:25	15°♁♁					
opposition	-3111 Nov 27 j 13:57	12°♁33'58	0°-13'-47	conjunction	-3105 Nov 20 j 22:22	5°♁18'44	0°19'31
min. Earth dist.	-3111 Nov 27 j 03:01	12°♁37'39	4.27454 AU	minimum elong	-3105 Nov 20 j 22:24	5°♁18'45	0°19'28
direct	-3110 Jan 26 j 22:45	7°♁31'00		max. Earth dist.	-3105 Nov 20 j 01:21	5°♁06'26	6.13794 AU
asc. node	-3110 Feb 18 j 21:14	8°♁20'12		morning rise	-3105 Dec 03 j 15:45	8°♁17'22	
	-3110 Apr 11 j 07:49	15°♁			-3104 Jan 02 j 10:02	15°♁	
evening set	-3110 Jun 03 j 11:25	25°♁46'37		retrograde	-3104 Apr 10 j 05:36	27°♁33'34	
				desc. node	-3104 May 03 j 12:21	26°♁42'49	
conjunction	-3110 Jun 17 j 01:07	28°♁45'44	0°13'12	opposition	-3104 Jun 10 j 01:56	22°♁36'44	0°-6'-45
minimum elong	-3110 Jun 17 j 01:06	28°♁45'44	0°13'18	min. Earth dist.	-3104 Jun 10 j 08:29	22°♁34'36	4.08329 AU
behind sun begin	-3110 Jun 16 j 20:29	28°♁43'12		direct	-3104 Aug 08 j 21:05	17°♁43'12	
behind sun end	-3110 Jun 17 j 05:42	28°♁48'15			-3104 Nov 11 j 21:06	0°♁	
max. Earth dist.	-3110 Jun 17 j 05:59	28°♁48'25	6.32597 AU	evening set	-3104 Dec 11 j 05:27	6°♁43'57	
	-3110 Jun 22 j 15:50	0°♁					
morning rise	-3110 Jun 30 j 12:10	1°♁43'27		conjunction	-3104 Dec 24 j 03:32	9°♁48'35	0°-27'-54
retrograde	-3110 Oct 30 j 04:54	19°♁06'44		minimum elong	-3104 Dec 24 j 03:30	9°♁48'34	0°28'01
opposition	-3110 Dec 29 j 00:22	14°♁10'02	0°49'19	max. Earth dist.	-3104 Dec 24 j 08:15	9°♁51'23	6.03943 AU
min. Earth dist.	-3110 Dec 29 j 05:16	14°♁08'25	4.36654 AU	morning rise	-3103 Jan 06 j 04:23	12°♁54'47	
direct	-3109 Feb 28 j 14:32	9°♁06'26			-3103 Apr 02 j 19:34	0°♁	
evening set	-3109 Jul 06 j 06:57	27°♁02'19		retrograde	-3103 May 17 j 12:25	3°♁01'22	

Planetary Phenomena of Jupiter from -3400 through -2900 (UT), Astrodienst AG 14-Nov-2015 16:04, page 28

Attention, astronomical year style is used: The year -3092 in astronomical counting style is the year 3093 BCE in historical counting style.

conjunction	-3092 Dec 29 j 04:51	14°♄58'45	0°-34'-22	min. Earth dist.	-3085 Jan 07 j 03:15	22°♃59'30	4.38084 AU
minimum elong	-3092 Dec 29 j 04:49	14°♄58'44	0°34'29	direct	-3085 Mar 09 j 14:31	17°♃59'18	
max. Earth dist.	-3092 Dec 29 j 14:18	15°♄04'24	6.03166 AU		-3085 Jun 17 j 06:25	0°♄	
morning rise	-3091 Jan 11 j 06:40	18°♄05'44		evening set	-3085 Jul 15 j 05:42	5°♄52'59	
	-3091 Mar 06 j 15:50	0°♄		max. Earth dist.	-3085 Jul 27 j 04:46	8°♄29'30	6.39888 AU
retrograde	-3091 May 22 j 20:37	8°♄16'16					
opposition	-3091 Jul 22 j 06:36	3°♄14'52	-1°-22'-39	conjunction	-3085 Jul 28 j 08:13	8°♄44'31	1°01'00
min. Earth dist.	-3091 Jul 21 j 14:25	3°♄20'15	4.00738 AU	minimum elong	-3085 Jul 28 j 08:10	8°♄44'29	1°01'06
	-3091 Aug 18 j 01:52	30°♃♂		morning rise	-3085 Aug 10 j 07:34	11°♄34'27	
direct	-3091 Sep 18 j 17:24	28°♄21'34		retrograde	-3085 Dec 08 j 13:10	28°♄32'33	
	-3091 Oct 20 j 02:53	0°♄		opposition	-3084 Feb 06 j 19:58	23°♄39'46	1°45'33
evening set	-3090 Jan 21 j 06:12	17°♄41'55		min. Earth dist.	-3084 Feb 07 j 20:13	23°♄31'56	4.40328 AU
				direct	-3084 Apr 09 j 09:56	18°♄37'10	
conjunction	-3090 Feb 03 j 12:35	20°♄51'51	-1°-9'-51		-3084 Jul 14 j 23:56	0°♃	
minimum elong	-3090 Feb 03 j 12:32	20°♄51'49	1°09'58	evening set	-3084 Aug 14 j 15:01	6°♃27'15	
max. Earth dist.	-3090 Feb 05 j 00:34	21°♄13'21	5.99984 AU	max. Earth dist.	-3084 Aug 25 j 17:12	8°♃53'27	6.39051 AU
morning rise	-3090 Feb 16 j 22:11	24°♄03'30					
	-3090 Mar 14 j 15:12	0°♃		conjunction	-3084 Aug 27 j 09:30	9°♃15'40	1°19'24
retrograde	-3090 Jun 29 j 03:13	14°♃26'01		minimum elong	-3084 Aug 27 j 09:28	9°♃15'40	1°19'29
min. Earth dist.	-3090 Aug 26 j 19:56	9°♃31'19	4.01266 AU	morning rise	-3084 Sep 09 j 00:57	12°♃02'46	
opposition	-3090 Aug 28 j 00:42	9°♃21'34	-1°-57'-19		-3084 Sep 22 j 16:03	15°♃	
direct	-3090 Oct 24 j 23:55	4°♃26'11		retrograde	-3083 Jan 07 j 21:00	29°♃10'31	
	-3089 Jan 19 j 04:30	15°♃		opposition	-3083 Mar 09 j 14:17	24°♃19'02	1°57'17
evening set	-3089 Feb 27 j 07:36	23°♃45'55		min. Earth dist.	-3083 Mar 10 j 21:21	24°♃09'08	4.36579 AU
				direct	-3083 May 11 j 04:36	19°♃18'37	
conjunction	-3089 Mar 12 j 20:55	26°♃57'03	-1°-18'-51		-3083 Aug 11 j 11:39	0°♃	
minimum elong	-3089 Mar 12 j 20:56	26°♃57'04	1°18'55	evening set	-3083 Sep 14 j 15:24	7°♃16'41	
max. Earth dist.	-3089 Mar 14 j 20:37	27°♃25'07	6.04012 AU	max. Earth dist.	-3083 Sep 25 j 08:57	9°♃40'51	6.32608 AU
	-3089 Mar 25 j 20:52	0°♃					
morning rise	-3089 Mar 26 j 13:05	0°♃09'27		conjunction	-3083 Sep 27 j 05:02	10°♃05'37	1°15'33
retrograde	-3089 Aug 03 j 21:57	20°♃01'39		minimum elong	-3083 Sep 27 j 05:04	10°♃05'38	1°15'34
min. Earth dist.	-3089 Oct 01 j 05:59	15°♃06'48	4.08401 AU	morning rise	-3083 Oct 09 j 17:10	12°♃53'56	
opposition	-3089 Oct 02 j 12:17	14°♃56'26	-1°-47'-4		-3082 Jan 21 j 03:55	0°♃	
direct	-3089 Nov 29 j 20:58	9°♃57'47		retrograde	-3082 Feb 09 j 16:09	0°♃35'17	
evening set	-3088 Apr 04 j 03:59	28°♃59'07			-3082 Mar 01 j 03:56	30°♃♂	
	-3088 Apr 08 j 14:37	0°♃		opposition	-3082 Apr 11 j 15:27	25°♃43'12	1°35'31
				min. Earth dist.	-3082 Apr 12 j 21:30	25°♃33'39	4.27819 AU
conjunction	-3088 Apr 17 j 22:06	2°♃08'04	0°-58'-38	direct	-3082 Jun 12 j 15:15	20°♃45'31	
minimum elong	-3088 Apr 17 j 22:10	2°♃08'06	0°58'39		-3082 Sep 04 j 01:47	0°♃	
max. Earth dist.	-3088 Apr 19 j 17:19	2°♃32'51	6.13621 AU	evening set	-3082 Oct 16 j 01:46	9°♃01'29	
morning rise	-3088 May 01 j 16:58	5°♃17'13		max. Earth dist.	-3082 Oct 27 j 05:32	11°♃35'04	6.22278 AU
retrograde	-3088 Sep 05 j 19:33	24°♃12'06					
min. Earth dist.	-3088 Nov 03 j 09:09	19°♃16'00	4.19395 AU	conjunction	-3082 Oct 28 j 15:32	11°♃54'38	0°49'12
opposition	-3088 Nov 04 j 06:06	19°♃08'54	0°-59'-36	minimum elong	-3082 Oct 28 j 15:35	11°♃54'39	0°49'11
direct	-3087 Jan 02 j 16:31	14°♃07'20		morning rise	-3082 Nov 10 j 05:09	14°♃47'57	
	-3087 Apr 27 j 13:45	0°♃			-3081 Jan 27 j 14:51	0°♃	
evening set	-3087 May 09 j 19:14	2°♃41'27		retrograde	-3081 Mar 16 j 05:51	3°♃20'50	
					-3081 May 03 j 22:07	30°♃♂	
conjunction	-3087 May 23 j 12:45	5°♃45'16	0°-19'-3	opposition	-3081 May 16 j 07:14	28°♃26'27	0°42'54
minimum elong	-3087 May 23 j 12:46	5°♃45'17	0°19'00	min. Earth dist.	-3081 May 17 j 01:07	28°♃20'43	4.16528 AU
max. Earth dist.	-3087 May 24 j 10:31	5°♃57'25	6.25169 AU	direct	-3081 Jul 16 j 01:41	23°♃31'32	
morning rise	-3087 Jun 06 j 05:08	8°♃48'16			-3081 Sep 21 j 03:05	0°♃	
	-3087 Jul 05 j 00:37	15°♃		evening set	-3081 Nov 17 j 17:40	12°♃12'01	
retrograde	-3087 Oct 07 j 20:13	26°♃44'26			-3081 Nov 29 j 15:36	15°♃	
asc. node	-3087 Nov 08 j 18:54	25°♃06'23					
opposition	-3087 Dec 06 j 10:36	21°♃44'52	0°04'34	conjunction	-3081 Nov 30 j 11:15	15°♃11'34	0°06'13
min. Earth dist.	-3087 Dec 06 j 04:15	21°♃46'59	4.30401 AU	minimum elong	-3081 Nov 30 j 11:15	15°♃11'34	0°06'09
direct	-3086 Feb 05 j 04:13	16°♃41'31		behind sun begin	-3081 Nov 30 j 03:37	15°♃07'06	
	-3086 May 21 j 01:46	0°♃		behind sun end	-3081 Nov 30 j 18:53	15°♃16'03	
evening set	-3086 Jun 12 j 18:52	4°♃50'50		max. Earth dist.	-3081 Nov 29 j 21:20	15°♃03'23	6.11065 AU
				morning rise	-3081 Dec 13 j 06:30	18°♃12'12	
conjunction	-3086 Jun 26 j 06:25	7°♃48'08	0°25'12	desc. node	-3080 Jan 20 j 23:19	26°♃50'18	
minimum elong	-3086 Jun 26 j 06:23	7°♃48'07	0°25'18		-3080 Feb 06 j 01:52	0°♃	
max. Earth dist.	-3086 Jun 26 j 02:54	7°♃46'12	6.34846 AU	retrograde	-3080 Apr 20 j 16:00	7°♃42'30	
morning rise	-3086 Jul 09 j 15:04	10°♃43'56		opposition	-3080 Jun 20 j 11:11	2°♃44'31	0°-27'-8
retrograde	-3086 Nov 07 j 19:40	27°♃58'32		min. Earth dist.	-3080 Jun 20 j 11:21	2°♃44'27	4.06252 AU
opposition	-3085 Jan 06 j 16:58	23°♃02'53	1°04'44		-3080 Jul 12 j 19:31	30°♃♂	

Planetary Phenomena of Jupiter from -3400 through -2900 (UT), Astrodienst AG 14-Nov-2015 16:04, page 29

Attention, astronomical year style is used: The year -3080 in astronomical counting style is the year 3081 BCE in historical counting style.

direct	-3080 Aug 18 j 21:27	27°♄51'18		evening set	-3074 Jun 17 j 10:04	9°♂22'15	
	-3080 Sep 24 j 10:11	0°♂					
evening set	-3080 Dec 21 j 03:59	16°♂56'22		conjunction	-3074 Jun 30 j 20:31	12°♂18'49	0°30'57
				minimum elong	-3074 Jun 30 j 20:28	12°♂18'48	0°31'03
conjunction	-3079 Jan 03 j 03:57	20°♂02'20	0°-40'-25	max. Earth dist.	-3074 Jun 30 j 13:09	12°♂14'47	6.35589 AU
minimum elong	-3079 Jan 03 j 03:54	20°♂02'19	0°40'32	morning rise	-3074 Jul 14 j 04:03	15°♂13'51	
max. Earth dist.	-3079 Jan 03 j 17:50	20°♂10'38	6.02686 AU		-3074 Oct 03 j 10:25	0°♂	
morning rise	-3079 Jan 16 j 06:45	23°♂09'57		retrograde	-3074 Nov 12 j 03:29	2°♂25'30	
	-3079 Feb 15 j 00:29	0°♂			-3074 Dec 22 j 00:58	30°♂	
retrograde	-3079 May 28 j 01:24	13°♂23'02		opposition	-3073 Jan 11 j 02:00	27°♂30'19	1°11'53
opposition	-3079 Jul 27 j 09:50	8°♂21'09	-1°-29'-46	min. Earth dist.	-3073 Jan 11 j 13:54	27°♂26'26	4.38530 AU
min. Earth dist.	-3079 Jul 26 j 15:28	8°♂27'16	4.00712 AU	direct	-3073 Mar 14 j 01:41	22°♂26'49	
direct	-3079 Sep 23 j 17:54	3°♂27'41			-3073 May 29 j 05:55	0°♂	
evening set	-3078 Jan 26 j 08:11	22°♂47'53		evening set	-3073 Jul 19 j 17:08	10°♂19'56	
conjunction	-3078 Feb 08 j 15:21	25°♂58'00	-1°-12'-52	conjunction	-3073 Aug 01 j 18:30	13°♂10'56	1°04'47
minimum elong	-3078 Feb 08 j 15:18	25°♂57'59	1°12'57	minimum elong	-3073 Aug 01 j 18:27	13°♂10'54	1°04'52
max. Earth dist.	-3078 Feb 10 j 04:13	26°♂20'00	6.00373 AU	max. Earth dist.	-3073 Jul 31 j 14:10	12°♂55'25	6.40003 AU
morning rise	-3078 Feb 22 j 02:00	29°♂09'52		morning rise	-3073 Aug 14 j 16:31	16°♂00'18	
	-3078 Feb 25 j 14:59	0°♂			-3073 Oct 29 j 09:53	0°♂	
	-3078 May 10 j 06:55	15°♂		retrograde	-3073 Dec 12 j 22:12	2°♂58'33	
retrograde	-3078 Jul 04 j 02:39	19°♂29'47			-3072 Jan 27 j 02:10	30°♂	
	-3078 Aug 28 j 16:54	15°♂		opposition	-3072 Feb 11 j 06:30	28°♂06'05	1°49'04
opposition	-3078 Sep 01 j 23:57	14°♂25'04	-1°-58'-34	min. Earth dist.	-3072 Feb 12 j 07:42	27°♂57'59	4.40115 AU
min. Earth dist.	-3078 Aug 31 j 18:22	14°♂35'07	4.02039 AU	direct	-3072 Apr 13 j 21:18	23°♂03'48	
direct	-3078 Oct 29 j 23:24	9°♂29'14			-3072 Jun 25 j 14:11	0°♂	
	-3078 Dec 28 j 15:49	15°♂		evening set	-3072 Aug 19 j 00:24	10°♂54'16	
evening set	-3077 Mar 04 j 09:54	28°♂47'03		max. Earth dist.	-3072 Aug 29 j 23:29	13°♂19'06	6.38499 AU
	-3077 Mar 09 j 14:45	0°♂					
				conjunction	-3072 Aug 31 j 17:49	13°♂42'30	1°20'14
conjunction	-3077 Mar 18 j 00:14	1°♂58'06	-1°-17'-40	minimum elong	-3072 Aug 31 j 17:48	13°♂42'30	1°20'18
minimum elong	-3077 Mar 18 j 00:16	1°♂58'08	1°17'44		-3072 Sep 06 j 14:06	15°♂	
max. Earth dist.	-3077 Mar 20 j 00:49	2°♂26'36	6.05107 AU	morning rise	-3072 Sep 13 j 08:40	16°♂29'32	
morning rise	-3077 Mar 31 j 16:52	5°♂10'14			-3072 Nov 23 j 10:34	0°♂	
retrograde	-3077 Aug 08 j 17:49	24°♂55'48		retrograde	-3071 Jan 12 j 10:16	3°♂40'23	
min. Earth dist.	-3077 Oct 06 j 01:35	20°♂00'35	4.09688 AU		-3071 Mar 04 j 18:18	30°♂	
opposition	-3077 Oct 07 j 06:14	19°♂50'48	-1°-42'-21	opposition	-3071 Mar 14 j 04:06	28°♂48'53	1°56'13
direct	-3077 Dec 04 j 17:44	14°♂51'45		min. Earth dist.	-3071 Mar 15 j 11:47	28°♂38'48	4.35711 AU
	-3076 Mar 23 j 01:17	0°♂		direct	-3071 May 15 j 17:37	23°♂48'46	
evening set	-3076 Apr 09 j 03:43	3°♂50'06			-3071 Jul 22 j 09:40	0°♂	
				evening set	-3071 Sep 19 j 00:34	11°♂48'21	
conjunction	-3076 Apr 22 j 22:03	6°♂58'35	0°-54'-1	max. Earth dist.	-3071 Sep 29 j 19:48	14°♂13'49	6.31483 AU
minimum elong	-3076 Apr 22 j 22:07	6°♂58'38	0°54'01				
max. Earth dist.	-3076 Apr 24 j 14:08	7°♂21'29	6.14999 AU	conjunction	-3071 Oct 01 j 14:05	14°♂37'38	1°13'06
morning rise	-3076 May 06 j 17:06	10°♂07'10		minimum elong	-3071 Oct 01 j 14:07	14°♂37'40	1°13'08
retrograde	-3076 Sep 10 j 07:41	28°♂54'32		morning rise	-3071 Oct 14 j 01:58	17°♂26'21	
opposition	-3076 Nov 08 j 18:57	23°♂51'48	0°-51'-14		-3071 Dec 15 j 21:22	0°♂	
min. Earth dist.	-3076 Nov 07 j 23:16	23°♂58'29	4.20736 AU	retrograde	-3070 Feb 14 j 09:03	5°♂13'25	
direct	-3075 Jan 07 j 08:39	18°♂49'56		opposition	-3070 Apr 16 j 09:43	0°♂21'05	1°29'45
	-3075 Apr 10 j 03:23	0°♂		min. Earth dist.	-3070 Apr 17 j 14:10	0°♂12'02	4.26483 AU
evening set	-3075 May 14 j 14:47	7°♂21'24			-3070 Apr 19 j 04:03	30°♂	
				direct	-3070 Jun 17 j 05:30	25°♂23'49	
conjunction	-3075 May 28 j 07:52	10°♂24'32	0°-12'-52		-3070 Aug 12 j 22:48	0°♂	
minimum elong	-3075 May 28 j 07:53	10°♂24'32	0°12'50	evening set	-3070 Oct 20 j 13:29	13°♂42'20	
behind sun begin	-3075 May 28 j 02:53	10°♂21'46		max. Earth dist.	-3070 Oct 31 j 18:52	16°♂17'22	6.20832 AU
behind sun end	-3075 May 28 j 12:52	10°♂27'18					
max. Earth dist.	-3075 May 29 j 02:14	10°♂34'46	6.26401 AU	conjunction	-3070 Nov 02 j 03:26	16°♂36'11	0°43'56
morning rise	-3075 Jun 10 j 23:26	13°♂26'42		minimum elong	-3070 Nov 02 j 03:28	16°♂36'13	0°43'54
	-3075 Jun 18 j 01:00	15°♂		morning rise	-3070 Nov 14 j 17:43	19°♂30'23	
	-3075 Sep 13 j 21:21	0°♂			-3069 Jan 02 j 20:49	0°♂	
asc. node	-3075 Sep 19 j 06:47	0°♂25'59		retrograde	-3069 Mar 21 j 06:07	8°♂10'51	
retrograde	-3075 Oct 12 j 06:40	1°♂17'00		opposition	-3069 May 21 j 06:41	3°♂15'58	0°33'40
	-3075 Nov 09 j 10:37	30°♂		min. Earth dist.	-3069 May 21 j 22:57	3°♂10'45	4.15042 AU
opposition	-3075 Dec 10 j 20:23	26°♂18'04	0°13'35		-3069 Jun 18 j 03:24	30°♂	
min. Earth dist.	-3075 Dec 10 j 16:46	26°♂19'16	4.31427 AU	direct	-3069 Jul 20 j 21:18	28°♂21'19	
direct	-3074 Feb 09 j 18:27	21°♂14'41			-3069 Aug 22 j 07:13	0°♂	
	-3074 May 02 j 16:37	0°♂			-3069 Nov 13 j 11:18	15°♂	

Planetary Phenomena of Jupiter from -3400 through -2900 (UT), Astrodienst AG 14-Nov-2015 16:04, page 30

Attention, astronomical year style is used: The year -3069 in astronomical counting style is the year 3070 BCE in historical counting style.

evening set	-3069 Nov 22 j 10:14	17°♁05'05		conjunction	-3063 Jun 02 j 05:28	15°♁09'54	0°-6'-29
desc. node	-3069 Nov 30 j 20:07	19°♁03'50		minimum elong	-3063 Jun 02 j 05:28	15°♁09'54	0°06'27
				behind sun begin	-3063 Jun 01 j 21:41	15°♁05'35	
conjunction	-3069 Dec 05 j 04:42	20°♁05'35	0°00'-32	behind sun end	-3063 Jun 02 j 13:16	15°♁14'12	
minimum elong	-3069 Dec 05 j 04:41	20°♁05'34	0°00'37	max. Earth dist.	-3063 Jun 02 j 21:41	15°♁18'54	6.27962 AU
behind sun begin	-3069 Dec 04 j 20:38	20°♁00'51		morning rise	-3063 Jun 15 j 20:06	18°♁11'02	
behind sun end	-3069 Dec 05 j 12:44	20°♁10'18		asc. node	-3063 Jul 29 j 11:11	27°♁15'50	
max. Earth dist.	-3069 Dec 04 j 18:38	19°♁59'40	6.09686 AU		-3063 Aug 13 j 20:06	0°♁	
morning rise	-3069 Dec 18 j 00:50	23°♁07'13		retrograde	-3063 Oct 16 j 16:12	5°♁54'03	
	-3068 Jan 17 j 08:06	0°♁		opposition	-3063 Dec 15 j 08:04	0°♁55'38	0°22'38
retrograde	-3068 Apr 25 j 20:00	12°♁44'42		min. Earth dist.	-3063 Dec 15 j 05:20	0°♁56'32	4.32921 AU
opposition	-3068 Jun 25 j 14:14	7°♁46'12	0°-36'-59		-3063 Dec 22 j 08:22	30°♁♁	
min. Earth dist.	-3068 Jun 25 j 11:51	7°♁46'58	4.05115 AU	direct	-3062 Feb 14 j 09:19	25°♁52'10	
direct	-3068 Aug 23 j 20:02	2°♁53'04			-3062 Apr 09 j 10:51	0°♁	
evening set	-3068 Dec 26 j 03:05	22°♁01'11		evening set	-3062 Jun 22 j 02:07	13°♁56'00	
conjunction	-3067 Jan 08 j 03:53	25°♁07'54	0°-46'-11	conjunction	-3062 Jul 05 j 11:12	16°♁51'28	0°36'32
minimum elong	-3067 Jan 08 j 03:50	25°♁07'52	0°46'19	minimum elong	-3062 Jul 05 j 11:09	16°♁51'27	0°36'38
max. Earth dist.	-3067 Jan 08 j 19:56	25°♁17'29	6.01872 AU	max. Earth dist.	-3062 Jul 05 j 01:10	16°♁45'59	6.36920 AU
morning rise	-3067 Jan 21 j 07:54	28°♁16'21		morning rise	-3062 Jul 18 j 17:20	19°♁45'23	
	-3067 Jan 28 j 15:30	0°♁			-3062 Sep 07 j 14:19	0°♁	
retrograde	-3067 Jun 02 j 06:29	18°♁33'18		retrograde	-3062 Nov 16 j 11:56	6°♁52'05	
opposition	-3067 Aug 01 j 13:40	13°♁30'52	-1°-36'-19	opposition	-3061 Jan 15 j 11:20	1°♁57'22	1°18'33
min. Earth dist.	-3067 Jul 31 j 17:02	13°♁37'47	4.00320 AU	min. Earth dist.	-3061 Jan 16 j 01:36	1°♁52'43	4.39617 AU
direct	-3067 Sep 28 j 19:13	8°♁37'07			-3061 Jan 30 j 21:08	30°♁♁	
evening set	-3066 Jan 31 j 12:04	27°♁58'46		direct	-3061 Mar 18 j 15:18	26°♁53'59	
	-3066 Feb 09 j 00:05	0°♁			-3061 May 04 j 12:16	0°♁	
				evening set	-3061 Jul 24 j 03:30	14°♁44'03	
conjunction	-3066 Feb 13 j 20:29	1°♁09'22	-1°-15'-22	max. Earth dist.	-3061 Aug 04 j 20:28	17°♁17'12	6.40740 AU
minimum elong	-3066 Feb 13 j 20:27	1°♁09'21	1°15'28				
max. Earth dist.	-3066 Feb 15 j 13:02	1°♁33'32	6.00431 AU	conjunction	-3061 Aug 06 j 03:31	17°♁34'11	1°08'06
morning rise	-3066 Feb 27 j 08:01	4°♁21'36		minimum elong	-3061 Aug 06 j 03:28	17°♁34'09	1°08'12
	-3066 Apr 16 j 07:33	15°♁		morning rise	-3061 Aug 19 j 00:17	20°♁22'44	
retrograde	-3066 Jul 09 j 06:43	24°♁39'54			-3061 Oct 05 j 12:07	0°♁	
min. Earth dist.	-3066 Sep 05 j 20:07	19°♁44'57	4.02545 AU	retrograde	-3061 Dec 17 j 04:34	7°♁19'10	
opposition	-3066 Sep 07 j 01:29	19°♁34'58	-1°-58'-58	opposition	-3060 Feb 15 j 15:11	2°♁26'53	1°51'50
	-3066 Oct 20 j 17:20	15°♁		min. Earth dist.	-3060 Feb 16 j 17:28	2°♁18'26	4.40473 AU
direct	-3066 Nov 04 j 01:34	14°♁38'43			-3060 Mar 06 j 13:52	30°♁♁	
	-3066 Nov 18 j 10:23	15°♁		direct	-3060 Apr 18 j 06:58	27°♁24'46	
	-3065 Feb 20 j 13:07	0°♁			-3060 May 31 j 00:49	0°♁	
evening set	-3065 Mar 09 j 15:25	3°♁55'33			-3060 Aug 22 j 05:38	15°♁	
				evening set	-3060 Aug 23 j 06:47	15°♁13'46	
conjunction	-3065 Mar 23 j 06:30	7°♁06'34	-1°-15'-53	max. Earth dist.	-3060 Sep 03 j 05:15	17°♁38'20	6.38437 AU
minimum elong	-3065 Mar 23 j 06:33	7°♁06'35	1°15'55				
max. Earth dist.	-3065 Mar 25 j 06:34	7°♁34'39	6.05999 AU	conjunction	-3060 Sep 04 j 23:23	18°♁01'38	1°20'33
morning rise	-3065 Apr 05 j 23:57	10°♁18'35		minimum elong	-3060 Sep 04 j 23:23	18°♁01'38	1°20'37
retrograde	-3065 Aug 13 j 14:22	29°♁57'48		morning rise	-3060 Sep 17 j 13:19	20°♁48'21	
min. Earth dist.	-3065 Oct 10 j 21:59	25°♁02'49	4.10884 AU		-3060 Nov 01 j 02:41	0°♁	
opposition	-3065 Oct 12 j 02:49	24°♁52'58	-1°-36'-46	retrograde	-3059 Jan 16 j 18:51	8°♁00'55	
direct	-3065 Dec 09 j 16:28	19°♁53'30		opposition	-3059 Mar 18 j 14:32	3°♁09'27	1°54'26
	-3064 Mar 04 j 11:47	0°♁		min. Earth dist.	-3059 Mar 19 j 22:52	2°♁59'10	4.35215 AU
evening set	-3064 Apr 14 j 07:00	8°♁49'06			-3059 Apr 14 j 12:37	30°♁♁	
				direct	-3059 May 20 j 03:17	28°♁09'40	
conjunction	-3064 Apr 28 j 01:34	11°♁57'05	0°-48'-52		-3059 Jun 24 j 15:31	0°♁	
minimum elong	-3064 Apr 28 j 01:37	11°♁57'07	0°48'51	evening set	-3059 Sep 23 j 05:54	16°♁09'41	
max. Earth dist.	-3064 Apr 29 j 15:20	12°♁18'36	6.16432 AU	max. Earth dist.	-3059 Oct 03 j 23:14	18°♁34'30	6.30575 AU
morning rise	-3064 May 11 j 20:28	15°♁04'58					
	-3064 Jul 27 j 11:01	0°♁		conjunction	-3059 Oct 05 j 19:00	18°♁59'13	1°10'18
retrograde	-3064 Sep 15 j 00:35	3°♁44'16		minimum elong	-3059 Oct 05 j 19:03	18°♁59'14	1°10'20
	-3064 Nov 03 j 17:32	30°♁♁		morning rise	-3059 Oct 18 j 07:02	21°♁48'19	
opposition	-3064 Nov 13 j 10:42	28°♁42'01	0°-42'-18		-3059 Nov 25 j 14:54	0°♁	
min. Earth dist.	-3064 Nov 12 j 17:24	28°♁47'52	4.22273 AU	retrograde	-3058 Feb 18 j 23:10	9°♁40'45	
direct	-3063 Jan 12 j 05:34	23°♁39'53		opposition	-3058 Apr 21 j 00:01	4°♁48'10	1°23'39
	-3063 Mar 20 j 06:35	0°♁		min. Earth dist.	-3058 Apr 22 j 04:11	4°♁39'11	4.25191 AU
evening set	-3063 May 19 j 12:59	12°♁07'41			-3058 Jun 12 j 00:11	30°♁♁	
	-3063 Jun 01 j 11:39	15°♁		direct	-3058 Jun 21 j 16:53	29°♁51'11	
					-3058 Jul 01 j 10:04	0°♁	

Planetary Phenomena of Jupiter from -3400 through -2900 (UT), Astrodienst AG 14-Nov-2015 16:04, page 31

Attention, astronomical year style is used: The year -3058 in astronomical counting style is the year 3059 BCE in historical counting style.

evening set	-3058 Oct 24 j 21:18	18°♁12'31		max. Earth dist.	-3052 May 04 j 18:19	17°♃17'31	6.17996 AU
max. Earth dist.	-3058 Nov 05 j 05:29	20°♁49'39	6.19282 AU	morning rise	-3052 May 16 j 23:50	20°♃03'33	
					-3052 Jul 03 j 02:06	0°♄	
conjunction	-3058 Nov 06 j 11:49	21°♁07'13	0°38'35	retrograde	-3052 Sep 19 j 14:50	8°♄34'04	
minimum elong	-3058 Nov 06 j 11:51	21°♁07'14	0°38'32	min. Earth dist.	-3052 Nov 17 j 09:35	3°♄37'51	4.23943 AU
morning rise	-3058 Nov 19 j 02:34	24°♁02'20		opposition	-3052 Nov 18 j 02:12	3°♄32'14	0°-33'-4
	-3058 Dec 15 j 17:14	0°♁			-3052 Dec 17 j 07:43	30°♃	
retrograde	-3057 Mar 26 j 02:06	12°♁50'54		direct	-3051 Jan 17 j 00:18	28°♃29'48	
opposition	-3057 May 26 j 01:59	7°♁55'41	0°24'31		-3051 Feb 17 j 04:19	0°♄	
min. Earth dist.	-3057 May 26 j 16:56	7°♁50'52	4.13339 AU		-3051 May 15 j 19:25	15°♄	
direct	-3057 Jul 25 j 11:59	3°♁01'20		evening set	-3051 May 24 j 10:42	16°♄53'21	
desc. node	-3057 Oct 12 j 14:30	11°♁49'46					
	-3057 Oct 27 j 22:41	15°♁		conjunction	-3051 Jun 07 j 02:16	19°♄54'31	0°00'01
evening set	-3057 Nov 27 j 00:14	21°♁49'48		minimum elong	-3051 Jun 07 j 02:14	19°♄54'30	0°00'06
				behind sun begin	-3051 Jun 06 j 18:13	19°♄50'05	
conjunction	-3057 Dec 09 j 19:22	24°♁51'23	0°-7'-1	behind sun end	-3051 Jun 07 j 10:15	19°♄58'55	
minimum elong	-3057 Dec 09 j 19:22	24°♁51'23	0°07'06	asc. node	-3051 Jun 07 j 00:04	19°♄53'22	
behind sun begin	-3057 Dec 09 j 11:54	24°♁46'59		max. Earth dist.	-3051 Jun 07 j 13:58	20°♄01'00	6.29580 AU
behind sun end	-3057 Dec 10 j 02:49	24°♁55'46		morning rise	-3051 Jun 20 j 15:56	22°♄54'32	
max. Earth dist.	-3057 Dec 09 j 10:30	24°♁46'09	6.07980 AU		-3051 Jul 24 j 04:18	0°♁	
morning rise	-3057 Dec 22 j 16:44	27°♁54'16		retrograde	-3051 Oct 21 j 03:28	10°♁30'22	
	-3057 Dec 31 j 15:48	0°♁		opposition	-3051 Dec 19 j 19:27	5°♁32'28	0°31'34
retrograde	-3056 Apr 30 j 21:59	17°♁40'32		min. Earth dist.	-3051 Dec 19 j 19:57	5°♁32'18	4.34325 AU
opposition	-3056 Jun 30 j 14:32	12°♁41'31	0°-46'-18	direct	-3050 Feb 19 j 02:08	0°♁28'52	
min. Earth dist.	-3056 Jun 30 j 09:37	12°♁43'08	4.03563 AU	evening set	-3050 Jun 26 j 17:33	18°♁29'23	
direct	-3056 Aug 28 j 15:44	7°♁48'25					
evening set	-3056 Dec 31 j 00:41	27°♁01'38		conjunction	-3050 Jul 10 j 01:28	21°♁23'55	0°41'58
	-3055 Jan 12 j 11:02	0°♁		minimum elong	-3050 Jul 10 j 01:26	21°♁23'53	0°42'03
				max. Earth dist.	-3050 Jul 09 j 12:47	21°♁16'58	6.37977 AU
conjunction	-3055 Jan 13 j 02:47	0°♁09'26	0°-51'-29	morning rise	-3050 Jul 23 j 06:08	24°♁16'48	
minimum elong	-3055 Jan 13 j 02:44	0°♁09'24	0°51'35		-3050 Aug 19 j 08:22	0°♁	
max. Earth dist.	-3055 Jan 13 j 23:32	0°♁21'52	6.00630 AU	retrograde	-3050 Nov 20 j 18:45	11°♁19'50	
morning rise	-3055 Jan 26 j 07:51	3°♁18'57		opposition	-3049 Jan 19 j 20:55	6°♁25'29	1°24'53
retrograde	-3055 Jun 07 j 13:13	23°♁41'29		min. Earth dist.	-3049 Jan 20 j 12:27	6°♁20'26	4.40270 AU
opposition	-3055 Aug 06 j 16:35	18°♁38'39	-1°-41'-59	direct	-3049 Mar 23 j 02:31	1°♁22'11	
min. Earth dist.	-3055 Aug 05 j 18:54	18°♁45'56	3.99543 AU	evening set	-3049 Jul 28 j 14:20	19°♁10'48	
direct	-3055 Oct 03 j 19:35	13°♁44'43		max. Earth dist.	-3049 Aug 09 j 03:38	21°♁42'02	6.40920 AU
	-3054 Jan 23 j 05:19	0°♁					
evening set	-3054 Feb 05 j 16:29	3°♁09'31		conjunction	-3049 Aug 10 j 13:04	22°♁00'20	1°11'09
				minimum elong	-3049 Aug 10 j 13:01	22°♁00'19	1°11'15
conjunction	-3054 Feb 19 j 01:56	6°♁20'44	-1°-17'-11	morning rise	-3049 Aug 23 j 08:40	24°♁48'20	
minimum elong	-3054 Feb 19 j 01:55	6°♁20'44	1°17'17		-3049 Sep 16 j 20:23	0°♁	
max. Earth dist.	-3054 Feb 20 j 20:15	6°♁45'56	6.00175 AU	retrograde	-3049 Dec 21 j 14:45	11°♁45'05	
morning rise	-3054 Mar 04 j 14:44	9°♁33'35		opposition	-3048 Feb 20 j 02:12	6°♁53'02	1°54'09
	-3054 Mar 28 j 04:03	15°♁		min. Earth dist.	-3048 Feb 21 j 06:38	6°♁43'56	4.40174 AU
retrograde	-3054 Jul 14 j 09:05	29°♁51'02		direct	-3048 Apr 22 j 19:31	1°♁51'11	
min. Earth dist.	-3054 Sep 10 j 19:32	24°♁56'34	4.02859 AU		-3048 Aug 05 j 20:26	15°♁	
opposition	-3054 Sep 12 j 02:44	24°♁45'57	-1°-58'-21	evening set	-3048 Aug 27 j 15:34	19°♁40'44	
direct	-3054 Nov 09 j 02:04	19°♁49'17		max. Earth dist.	-3048 Sep 07 j 11:02	22°♁04'02	6.37658 AU
	-3053 Feb 01 j 19:54	0°♁					
evening set	-3053 Mar 14 j 21:58	9°♁05'52		conjunction	-3048 Sep 09 j 07:23	22°♁28'36	1°20'30
				minimum elong	-3048 Sep 09 j 07:24	22°♁28'36	1°20'32
conjunction	-3053 Mar 28 j 13:56	12°♁16'54	-1°-13'-25	morning rise	-3048 Sep 21 j 20:50	25°♁15'24	
minimum elong	-3053 Mar 28 j 13:59	12°♁16'56	1°13'28		-3048 Oct 13 j 20:34	0°♁	
max. Earth dist.	-3053 Mar 30 j 14:10	12°♁45'02	6.06856 AU	retrograde	-3047 Jan 21 j 08:30	12°♁32'12	
morning rise	-3053 Apr 11 j 07:58	15°♁28'47		opposition	-3047 Mar 23 j 05:17	7°♁40'37	1°52'04
	-3053 Jun 21 j 11:41	0°♁		min. Earth dist.	-3047 Mar 24 j 13:24	7°♁30'23	4.34013 AU
retrograde	-3053 Aug 18 j 13:17	5°♁01'26		direct	-3047 May 24 j 15:47	2°♁41'09	
opposition	-3053 Oct 16 j 23:52	29°♁56'45	-1°-30'-24	evening set	-3047 Sep 27 j 15:50	20°♁43'49	
min. Earth dist.	-3053 Oct 15 j 20:22	0°♁06'09	4.12148 AU	max. Earth dist.	-3047 Oct 08 j 11:12	23°♁10'14	6.29055 AU
	-3053 Oct 16 j 14:22	30°♁					
direct	-3053 Dec 14 j 17:44	24°♁56'48		conjunction	-3047 Oct 10 j 04:59	23°♁33'55	1°07'00
	-3052 Feb 10 j 18:12	0°♁		minimum elong	-3047 Oct 10 j 05:02	23°♁33'57	1°07'01
evening set	-3052 Apr 19 j 10:27	13°♁49'06		morning rise	-3047 Oct 22 j 17:00	26°♁23'42	
					-3047 Nov 07 j 22:24	0°♁	
conjunction	-3052 May 03 j 05:12	16°♁56'27	0°-43'-20	retrograde	-3046 Feb 23 j 19:37	14°♁23'30	
minimum elong	-3052 May 03 j 05:16	16°♁56'29	0°43'18	opposition	-3046 Apr 25 j 20:35	9°♁30'40	1°16'43

Planetary Phenomena of Jupiter from -3400 through -2900 (UT), Astrodienst AG 14-Nov-2015 16:04, page 32

Attention, astronomical year style is used: The year -3046 in astronomical counting style is the year 3047 BCE in historical counting style.

min. Earth dist.	-3046 Apr 26 j 23:58	9°♁21'57	4.23440 AU	direct	-3041 Dec 19 j 14:56	29°♃52'28	
direct	-3046 Jun 26 j 09:55	4°♁34'06			-3041 Dec 28 j 07:13	0°♃	
evening set	-3046 Oct 29 j 11:33	22°♁59'30		evening set	-3040 Apr 24 j 10:32	18°♃39'32	
max. Earth dist.	-3046 Nov 09 j 21:13	25°♁38'10	6.17456 AU				
				conjunction	-3040 May 08 j 04:58	21°♃45'56	0°-37'-40
conjunction	-3046 Nov 11 j 02:27	25°♁55'10	0°32'40	minimum elong	-3040 May 08 j 05:01	21°♃45'57	0°37'40
minimum elong	-3046 Nov 11 j 02:29	25°♁55'11	0°32'37	max. Earth dist.	-3040 May 09 j 13:27	22°♃04'17	6.19962 AU
morning rise	-3046 Nov 23 j 18:09	28°♁51'27		morning rise	-3040 May 21 j 23:17	24°♃52'00	
	-3046 Nov 28 j 17:11	0°♃			-3040 Jun 14 j 09:44	0°♃	
	-3045 Feb 15 j 18:57	15°♃		retrograde	-3040 Sep 24 j 02:13	13°♃13'07	
retrograde	-3045 Mar 31 j 05:02	17°♃49'06		opposition	-3040 Nov 22 j 13:59	8°♃11'47	0°-23'-58
	-3045 May 14 j 06:31	15°♃		min. Earth dist.	-3040 Nov 22 j 00:31	8°♃16'20	4.25767 AU
opposition	-3045 May 31 j 04:45	12°♃53'22	0°14'36	direct	-3039 Jan 21 j 17:35	3°♃09'04	
min. Earth dist.	-3045 May 31 j 16:31	12°♃49'34	4.11582 AU	asc. node	-3039 Apr 16 j 23:03	12°♃40'45	
direct	-3045 Jul 30 j 09:35	7°♃59'17			-3039 Apr 28 j 17:28	15°♃	
desc. node	-3045 Aug 21 j 10:55	8°♃46'12		evening set	-3039 May 29 j 03:58	21°♃28'16	
	-3045 Oct 07 j 19:53	15°♃					
evening set	-3045 Dec 01 j 21:03	26°♃52'14		conjunction	-3039 Jun 11 j 18:47	24°♃28'27	0°06'18
				minimum elong	-3039 Jun 11 j 18:47	24°♃28'27	0°06'23
conjunction	-3045 Dec 14 j 17:14	29°♃54'53	0°-13'-50	behind sun begin	-3039 Jun 11 j 11:01	24°♃24'11	
minimum elong	-3045 Dec 14 j 17:13	29°♃54'53	0°13'56	behind sun end	-3039 Jun 12 j 02:34	24°♃32'44	
behind sun begin	-3045 Dec 14 j 12:57	29°♃52'21		max. Earth dist.	-3039 Jun 12 j 03:50	24°♃33'26	6.31126 AU
behind sun end	-3045 Dec 14 j 21:30	29°♃57'25		morning rise	-3039 Jun 25 j 07:14	27°♃27'22	
max. Earth dist.	-3045 Dec 14 j 13:50	29°♃52'52	6.06481 AU		-3039 Jul 07 j 00:15	0°♃	
	-3045 Dec 15 j 01:52	0°♃		retrograde	-3039 Oct 25 j 09:24	14°♃56'59	
morning rise	-3045 Dec 27 j 15:30	2°♃58'53		opposition	-3039 Dec 24 j 03:28	9°♃59'40	0°40'01
retrograde	-3044 May 06 j 07:47	22°♃52'38		min. Earth dist.	-3039 Dec 24 j 05:50	9°♃58'53	4.35487 AU
opposition	-3044 Jul 05 j 21:27	17°♃53'06	0°-55'-52	direct	-3038 Feb 23 j 13:05	4°♃56'04	
min. Earth dist.	-3044 Jul 05 j 14:17	17°♃55'27	4.02505 AU	evening set	-3038 Jul 01 j 05:28	22°♃54'21	
direct	-3044 Sep 02 j 18:56	13°♃00'04					
	-3044 Dec 26 j 14:19	0°♃		conjunction	-3038 Jul 14 j 11:59	25°♃48'03	0°46'59
evening set	-3043 Jan 05 j 04:33	2°♃16'09		minimum elong	-3038 Jul 14 j 11:56	25°♃48'01	0°47'04
				max. Earth dist.	-3038 Jul 13 j 18:19	25°♃38'24	6.38650 AU
conjunction	-3043 Jan 18 j 07:32	5°♃24'37	0°-56'-40	morning rise	-3038 Jul 27 j 15:29	28°♃40'11	
minimum elong	-3043 Jan 18 j 07:29	5°♃24'35	0°56'46		-3038 Aug 02 j 19:08	0°♃	
max. Earth dist.	-3043 Jan 19 j 07:25	5°♃38'55	6.00110 AU	retrograde	-3038 Nov 25 j 02:24	15°♃41'19	
morning rise	-3043 Jan 31 j 13:53	8°♃34'52		opposition	-3037 Jan 24 j 04:43	10°♃47'25	1°30'36
retrograde	-3043 Jun 12 j 19:44	28°♃59'09		min. Earth dist.	-3037 Jan 24 j 23:33	10°♃41'18	4.40437 AU
opposition	-3043 Aug 11 j 22:53	23°♃55'51	-1°-47'-3	direct	-3037 Mar 27 j 13:31	5°♃44'16	
min. Earth dist.	-3043 Aug 10 j 21:59	24°♃04'14	3.99676 AU	evening set	-3037 Aug 01 j 23:09	23°♃33'08	
direct	-3043 Oct 08 j 23:22	19°♃01'39		max. Earth dist.	-3037 Aug 13 j 09:25	26°♃02'56	6.40547 AU
	-3042 Jan 04 j 19:28	0°♃					
evening set	-3042 Feb 10 j 23:40	8°♃25'54		conjunction	-3037 Aug 14 j 20:54	26°♃22'22	1°13'44
				minimum elong	-3037 Aug 14 j 20:52	26°♃22'21	1°13'49
conjunction	-3042 Feb 24 j 10:09	11°♃37'12	-1°-18'-30	morning rise	-3037 Aug 27 j 15:23	29°♃10'06	
minimum elong	-3042 Feb 24 j 10:09	11°♃37'12	1°18'35		-3037 Aug 31 j 11:14	0°♃	
max. Earth dist.	-3042 Feb 26 j 06:58	12°♃03'50	6.00928 AU		-3037 Nov 28 j 16:52	15°♃	
morning rise	-3042 Mar 09 j 23:44	14°♃50'01		retrograde	-3037 Dec 25 j 23:23	16°♃09'13	
	-3042 Mar 10 j 16:42	15°♃			-3036 Jan 22 j 08:23	15°♃	
	-3042 May 22 j 07:10	0°♃		opposition	-3036 Feb 24 j 12:37	11°♃17'21	1°55'51
retrograde	-3042 Jul 19 j 12:06	5°♃02'12		min. Earth dist.	-3036 Feb 25 j 17:24	11°♃08'08	4.39320 AU
min. Earth dist.	-3042 Sep 15 j 21:27	0°♃07'28	4.04145 AU	direct	-3036 Apr 27 j 04:39	6°♃15'50	
	-3042 Sep 16 j 19:21	30°♃			-3036 Jul 18 j 19:51	15°♃	
opposition	-3042 Sep 17 j 04:17	29°♃56'57	-1°-56'-50	evening set	-3036 Sep 01 j 00:16	24°♃07'52	
direct	-3042 Nov 14 j 06:44	24°♃59'47		max. Earth dist.	-3036 Sep 11 j 19:04	26°♃31'16	6.36386 AU
	-3041 Jan 10 j 02:13	0°♃					
evening set	-3041 Mar 20 j 03:20	14°♃12'25		conjunction	-3036 Sep 13 j 15:28	26°♃55'58	1°19'57
				minimum elong	-3036 Sep 13 j 15:29	26°♃55'59	1°20'00
conjunction	-3041 Apr 02 j 19:59	17°♃22'57	-1°-10'-30	morning rise	-3036 Sep 26 j 04:27	29°♃43'07	
minimum elong	-3041 Apr 02 j 20:02	17°♃22'59	1°10'32		-3036 Sep 27 j 11:02	0°♃	
max. Earth dist.	-3041 Apr 04 j 20:56	17°♃51'23	6.08550 AU	retrograde	-3035 Jan 26 j 00:43	17°♃05'55	
morning rise	-3041 Apr 16 j 14:16	20°♃34'10		opposition	-3035 Mar 27 j 21:28	12°♃14'21	1°48'59
	-3041 May 29 j 20:43	0°♃		min. Earth dist.	-3035 Mar 29 j 06:10	12°♃03'57	4.32399 AU
retrograde	-3041 Aug 23 j 07:05	9°♃57'13		direct	-3035 May 29 j 06:15	7°♃15'21	
opposition	-3041 Oct 21 j 18:04	4°♃52'49	-1°-23'-32	evening set	-3035 Oct 02 j 03:01	25°♃21'53	
min. Earth dist.	-3041 Oct 20 j 15:10	5°♃01'59	4.14063 AU	max. Earth dist.	-3035 Oct 12 j 22:52	27°♃49'15	6.27239 AU
	-3041 Dec 11 j 00:00	30°♃					

Planetary Phenomena of Jupiter from -3400 through -2900 (UT), Astrodienst AG 14-Nov-2015 16:04, page 33

Attention, astronomical year style is used: The year -3035 in astronomical counting style is the year 3036 BCE in historical counting style.

conjunction	-3035 Oct 14 j 16:11	28°♄12'45	1°03'13	retrograde	-3029 Aug 27 j 23:03	14°♃49'33	
minimum elong	-3035 Oct 14 j 16:14	28°♄12'47	1°03'13	min. Earth dist.	-3029 Oct 25 j 09:32	9°♃53'58	4.15795 AU
	-3035 Oct 22 j 12:43	0°♌		opposition	-3029 Oct 26 j 10:33	9°♃45'26	-1°-16'-15
morning rise	-3035 Oct 27 j 04:37	1°♌03'27		direct	-3029 Dec 24 j 11:42	4°♃44'38	
retrograde	-3034 Feb 28 j 17:41	19°♌11'48		evening set	-3028 Apr 29 j 09:04	23°♃27'19	
opposition	-3034 Apr 30 j 19:26	14°♌18'38	1°09'09				
min. Earth dist.	-3034 May 01 j 19:59	14°♌10'47	4.21551 AU	conjunction	-3028 May 13 j 03:30	26°♃32'57	0°-31'-51
direct	-3034 Jul 01 j 03:47	9°♌22'31		minimum elong	-3028 May 13 j 03:33	26°♃32'58	0°31'49
evening set	-3034 Nov 03 j 03:55	27°♌52'18		max. Earth dist.	-3028 May 14 j 09:59	26°♃50'06	6.21677 AU
	-3034 Nov 12 j 07:33	0°♍		morning rise	-3028 May 26 j 21:10	29°♃38'02	
					-3028 May 28 j 12:35	0°♄	
conjunction	-3034 Nov 15 j 19:29	0°♍49'00	0°26'25		-3028 Aug 16 j 14:13	15°♄	
minimum elong	-3034 Nov 15 j 19:31	0°♍49'01	0°26'23	retrograde	-3028 Sep 28 j 12:49	17°♄50'54	
max. Earth dist.	-3034 Nov 14 j 19:09	0°♍34'48	6.15683 AU		-3028 Nov 10 j 09:26	15°♄	
morning rise	-3034 Nov 28 j 11:51	3°♍46'22		opposition	-3028 Nov 27 j 01:15	12°♄50'08	0°-14'-48
	-3033 Jan 19 j 20:29	15°♍		min. Earth dist.	-3028 Nov 26 j 13:49	12°♄53'58	4.27308 AU
retrograde	-3033 Apr 05 j 11:57	22°♍52'42		direct	-3027 Jan 26 j 09:05	7°♄47'14	
opposition	-3033 Jun 05 j 09:26	17°♍56'30	0°04'23	asc. node	-3027 Feb 24 j 18:16	9°♄06'53	
min. Earth dist.	-3033 Jun 05 j 19:02	17°♍53'24	4.10066 AU		-3027 Apr 09 j 04:43	15°♄	
desc. node	-3033 Jun 29 j 23:04	14°♍59'06		evening set	-3027 Jun 02 j 21:04	26°♄03'00	
	-3033 Jun 29 j 19:34	15°♍					
direct	-3033 Aug 04 j 10:20	13°♍02'42		conjunction	-3027 Jun 16 j 10:49	29°♄02'16	0°12'27
	-3033 Sep 08 j 12:26	15°♍		minimum elong	-3027 Jun 16 j 10:47	29°♄02'15	0°12'32
	-3033 Nov 28 j 08:54	0°♎		behind sun begin	-3027 Jun 16 j 05:36	28°♄59'24	
evening set	-3033 Dec 06 j 19:47	1°♎59'07		behind sun end	-3027 Jun 16 j 15:59	29°♄05'06	
				max. Earth dist.	-3027 Jun 16 j 14:26	29°♄04'15	6.32372 AU
conjunction	-3033 Dec 19 j 16:45	5°♎02'38	0°-20'-37		-3027 Jun 20 j 19:32	0°♏	
minimum elong	-3033 Dec 19 j 16:43	5°♎02'37	0°20'44	morning rise	-3027 Jun 29 j 22:18	2°♏00'13	
max. Earth dist.	-3033 Dec 19 j 16:46	5°♎02'39	6.05354 AU	retrograde	-3027 Oct 29 j 17:16	19°♏24'44	
morning rise	-3032 Jan 01 j 16:15	8°♎07'37		opposition	-3027 Dec 28 j 12:07	14°♏27'54	0°48'15
retrograde	-3032 May 11 j 14:50	28°♎06'57		min. Earth dist.	-3027 Dec 28 j 17:32	14°♏26'07	4.36371 AU
opposition	-3032 Jul 11 j 04:26	23°♎06'47	-1°-5'-1	direct	-3026 Feb 28 j 02:09	9°♏24'13	
min. Earth dist.	-3032 Jul 10 j 17:14	23°♎10'29	4.01896 AU	evening set	-3026 Jul 05 j 17:51	27°♏20'58	
direct	-3032 Sep 07 j 21:05	18°♎13'44			-3026 Jul 17 j 21:40	0°♐	
	-3032 Dec 08 j 14:56	0°♑		conjunction	-3026 Jul 18 j 23:19	0°♐14'01	0°51'46
evening set	-3031 Jan 10 j 08:26	7°♑31'03		minimum elong	-3026 Jul 18 j 23:16	0°♐13'59	0°51'52
				max. Earth dist.	-3026 Jul 18 j 03:43	0°♐03'18	6.39102 AU
conjunction	-3031 Jan 23 j 12:28	10°♑39'58	-1°-1'-23	morning rise	-3026 Aug 01 j 01:21	3°♐05'24	
minimum elong	-3031 Jan 23 j 12:24	10°♑39'56	1°01'30	retrograde	-3026 Nov 29 j 09:07	20°♐05'15	
max. Earth dist.	-3031 Jan 24 j 16:35	10°♑56'49	6.00043 AU	opposition	-3025 Jan 28 j 13:36	15°♐11'44	1°35'53
morning rise	-3031 Feb 05 j 19:44	13°♑50'38		min. Earth dist.	-3025 Jan 29 j 09:28	15°♐05'18	4.40458 AU
	-3031 Apr 25 j 19:35	0°♒		direct	-3025 Mar 31 j 23:31	10°♐08'46	
retrograde	-3031 Jun 18 j 02:26	4°♒14'47		evening set	-3025 Aug 06 j 08:56	27°♐58'01	
	-3031 Aug 11 j 02:05	30°♒			-3025 Aug 15 j 15:57	0°♑	
min. Earth dist.	-3031 Aug 16 j 02:03	29°♒19'44	4.00160 AU	max. Earth dist.	-3025 Aug 17 j 15:07	0°♑25'53	6.40119 AU
opposition	-3031 Aug 17 j 03:51	29°♒11'02	-1°-51'-13				
direct	-3031 Oct 14 j 04:47	24°♒16'27		conjunction	-3025 Aug 19 j 05:28	0°♑46'57	1°15'57
	-3031 Dec 13 j 22:04	0°♒		minimum elong	-3025 Aug 19 j 05:26	0°♑46'56	1°16'01
evening set	-3030 Feb 16 j 05:33	13°♒39'04		morning rise	-3025 Aug 31 j 23:07	3°♑34'28	
	-3030 Feb 21 j 22:38	15°♒			-3025 Oct 28 j 18:16	15°♑	
conjunction	-3030 Mar 01 j 17:00	16°♒50'20	-1°-19'-12	retrograde	-3025 Dec 30 j 11:27	20°♑36'07	
minimum elong	-3030 Mar 01 j 17:00	16°♒50'20	1°19'16	opposition	-3024 Feb 29 j 00:55	15°♑44'25	1°56'54
max. Earth dist.	-3030 Mar 03 j 16:12	17°♒18'16	6.01900 AU	min. Earth dist.	-3024 Mar 01 j 07:29	15°♑34'39	4.38488 AU
morning rise	-3030 Mar 15 j 07:22	20°♒03'01			-3024 Mar 05 j 20:19	15°♑	
	-3030 Apr 29 j 04:18	0°♓		direct	-3024 May 01 j 17:42	10°♑43'13	
retrograde	-3030 Jul 24 j 12:19	10°♓09'00			-3024 Jun 26 j 08:49	15°♑	
min. Earth dist.	-3030 Sep 20 j 20:14	5°♓14'21	4.05515 AU	evening set	-3024 Sep 05 j 09:38	28°♑37'13	
opposition	-3030 Sep 22 j 03:22	5°♓03'44	-1°-54'-28		-3024 Sep 11 j 14:50	0°♔	
direct	-3030 Nov 19 j 06:53	0°♓06'08		max. Earth dist.	-3024 Sep 16 j 04:11	1°♔00'55	6.35220 AU
evening set	-3029 Mar 25 j 07:11	19°♓14'56					
				conjunction	-3024 Sep 18 j 00:24	1°♔25'35	1°18'57
conjunction	-3029 Apr 08 j 00:12	22°♓24'56	-1°-7'-7	minimum elong	-3024 Sep 18 j 00:25	1°♔25'36	1°19'00
minimum elong	-3029 Apr 08 j 00:16	22°♓24'58	1°07'08	morning rise	-3024 Sep 30 j 12:59	4°♔13'03	
max. Earth dist.	-3029 Apr 09 j 22:09	22°♓51'31	6.10190 AU	retrograde	-3023 Jan 30 j 15:56	21°♔41'29	
morning rise	-3029 Apr 21 j 18:55	25°♓35'32		opposition	-3023 Apr 01 j 14:40	16°♔49'46	1°45'15
	-3029 May 11 j 08:33	0°♕		min. Earth dist.	-3023 Apr 02 j 21:35	16°♔39'57	4.30998 AU

Planetary Phenomena of Jupiter from -3400 through -2900 (UT), Astrodienst AG 14-Nov-2015 16:04, page 34

Attention, astronomical year style is used: The year -3023 in astronomical counting style is the year 3024 BCE in historical counting style.

direct	-3023 Jun 02 j 19:49	11°♄51'14		minimum elong	-3017 Apr 13 j 01:33	27°♃19'19	1°03'22
evening set	-3023 Oct 06 j 14:45	0°♄00'42		max. Earth dist.	-3017 Apr 14 j 22:45	27°♃45'22	6.11586 AU
	-3023 Oct 06 j 13:31	0°♄			-3017 Apr 24 j 16:59	0°♃	
max. Earth dist.	-3023 Oct 17 j 13:28	2°♄30'13	6.25743 AU	morning rise	-3017 Apr 26 j 20:16	0°♃29'19	
				retrograde	-3017 Sep 01 j 14:19	19°♃35'34	
conjunction	-3023 Oct 19 j 03:59	2°♄52'13	0°59'03	min. Earth dist.	-3017 Oct 30 j 01:45	14°♃39'43	4.17218 AU
minimum elong	-3023 Oct 19 j 04:02	2°♄52'14	0°59'03	opposition	-3017 Oct 31 j 00:44	14°♃31'54	-1°-8'-41
morning rise	-3023 Oct 31 j 16:39	5°♄43'40		direct	-3017 Dec 29 j 05:35	9°♃30'50	
retrograde	-3022 Mar 05 j 17:35	23°♄59'21		evening set	-3016 May 04 j 05:53	28°♃10'27	
opposition	-3022 May 05 j 18:22	19°♄05'52	1°01'08		-3016 May 12 j 09:35	0°♂	
min. Earth dist.	-3022 May 06 j 17:44	18°♄58'24	4.20052 AU				
direct	-3022 Jul 05 j 23:44	14°♄10'09		conjunction	-3016 May 17 j 23:56	1°♂15'25	0°-25'-56
	-3022 Oct 27 j 00:13	0°♄		minimum elong	-3016 May 17 j 23:58	1°♂15'26	0°25'54
evening set	-3022 Nov 07 j 19:41	2°♄42'53		max. Earth dist.	-3016 May 19 j 01:57	1°♂30'00	6.23023 AU
				morning rise	-3016 May 31 j 17:14	4°♂19'44	
conjunction	-3022 Nov 20 j 11:49	5°♄40'25	0°20'05		-3016 Jul 22 j 09:40	15°♂	
minimum elong	-3022 Nov 20 j 11:50	5°♄40'25	0°20'02	retrograde	-3016 Oct 02 j 22:01	22°♂25'56	
max. Earth dist.	-3022 Nov 19 j 14:15	5°♄27'48	6.14325 AU	opposition	-3016 Dec 01 j 11:20	17°♂25'43	0°-5'-44
morning rise	-3022 Dec 03 j 05:06	8°♄38'45		min. Earth dist.	-3016 Dec 01 j 02:04	17°♂28'50	4.28480 AU
	-3022 Dec 31 j 08:32	15°♄			-3016 Dec 20 j 10:04	15°♂♃	
retrograde	-3021 Apr 10 j 14:25	27°♄52'09		asc. node	-3015 Jan 05 j 05:31	13°♂25'35	
desc. node	-3021 May 09 j 18:17	26°♄33'56		direct	-3015 Jan 30 j 23:14	12°♂22'38	
opposition	-3021 Jun 10 j 12:29	22°♄55'24	0°-5'-40		-3015 Mar 13 j 23:53	15°♂	
min. Earth dist.	-3021 Jun 10 j 18:07	22°♄53'34	4.08972 AU		-3015 Jun 04 j 18:31	0°♂	
direct	-3021 Aug 09 j 07:39	18°♄01'51		evening set	-3015 Jun 07 j 13:10	0°♂♂36'21	
	-3021 Nov 11 j 01:00	0°♄♂					
evening set	-3021 Dec 11 j 16:43	7°♄00'25		conjunction	-3015 Jun 21 j 02:06	3°♂♂34'52	0°18'29
				minimum elong	-3015 Jun 21 j 02:04	3°♂♂34'51	0°18'33
conjunction	-3021 Dec 24 j 14:31	10°♄04'36	0°-27'-6	max. Earth dist.	-3015 Jun 21 j 03:17	3°♂♂35'31	6.33306 AU
minimum elong	-3021 Dec 24 j 14:29	10°♄04'35	0°27'13	morning rise	-3015 Jul 04 j 12:20	6°♂♂31'58	
max. Earth dist.	-3021 Dec 24 j 19:10	10°♄07'22	6.04615 AU	retrograde	-3015 Nov 03 j 01:09	23°♂♂52'32	
morning rise	-3020 Jan 06 j 14:54	13°♄10'19		opposition	-3014 Jan 01 j 20:46	18°♂♂56'16	0°56'07
	-3020 Mar 31 j 12:03	0°♄♂		min. Earth dist.	-3014 Jan 02 j 04:04	18°♂♂53'52	4.37016 AU
retrograde	-3020 May 16 j 20:21	3°♄13'50		direct	-3014 Mar 04 j 14:01	13°♂♂52'42	
	-3020 Jul 02 j 14:06	30°♄♂♂			-3014 Jul 01 j 20:38	0°♂♂	
opposition	-3020 Jul 16 j 08:29	28°♄13'06	-1°-13'-24	evening set	-3014 Jul 10 j 06:02	1°♂♂48'28	
min. Earth dist.	-3020 Jul 15 j 19:33	28°♄17'23	4.01589 AU	max. Earth dist.	-3014 Jul 22 j 10:33	4°♂♂27'59	6.39397 AU
direct	-3020 Sep 12 j 23:24	23°♄19'56					
	-3020 Nov 18 j 04:54	0°♄♂		conjunction	-3014 Jul 23 j 10:06	4°♂♂40'52	0°56'13
evening set	-3019 Jan 15 j 09:43	12°♄37'44		minimum elong	-3014 Jul 23 j 10:03	4°♂♂40'50	0°56'19
				morning rise	-3014 Aug 05 j 11:03	7°♂♂31'39	
conjunction	-3019 Jan 28 j 14:44	15°♄47'00	-1°-5'-30	retrograde	-3014 Dec 03 j 17:58	24°♂♂30'46	
minimum elong	-3019 Jan 28 j 14:41	15°♄46'58	1°05'37	opposition	-3013 Feb 01 j 23:12	19°♂♂37'34	1°40'37
max. Earth dist.	-3019 Jan 29 j 22:24	16°♄05'56	6.00176 AU	min. Earth dist.	-3013 Feb 02 j 21:05	19°♂♂30'29	4.40417 AU
morning rise	-3019 Feb 10 j 22:59	18°♄58'01		direct	-3013 Apr 05 j 11:22	14°♂♂34'45	
	-3019 Apr 01 j 17:15	0°♄♂♂			-3013 Jul 30 j 15:22	0°♂	
retrograde	-3019 Jun 23 j 05:11	9°♄21'01		evening set	-3013 Aug 10 j 18:29	2°♂♂24'14	
min. Earth dist.	-3019 Aug 21 j 01:42	4°♄26'10	4.00751 AU	max. Earth dist.	-3013 Aug 22 j 00:00	4°♂♂25'55	6.39734 AU
opposition	-3019 Aug 22 j 04:52	4°♄16'59	-1°-54'-22				
	-3019 Sep 30 j 00:19	30°♄♂♂		conjunction	-3013 Aug 23 j 14:09	5°♂♂12'54	1°17'42
direct	-3019 Oct 19 j 04:39	29°♄22'05		minimum elong	-3013 Aug 23 j 14:08	5°♂♂12'53	1°17'46
	-3019 Nov 07 j 10:14	0°♄♂♂		morning rise	-3013 Sep 05 j 06:41	8°♂♂00'09	
	-3018 Feb 05 j 07:44	15°♄♂♂			-3013 Oct 08 j 13:49	15°♂♂	
evening set	-3018 Feb 21 j 08:21	18°♄43'08		retrograde	-3012 Jan 03 j 21:10	25°♂♂04'00	
				opposition	-3012 Mar 04 j 13:07	20°♂♂12'23	1°57'15
conjunction	-3018 Mar 06 j 20:34	21°♄54'19	-1°-19'-16	min. Earth dist.	-3012 Mar 05 j 19:22	20°♂♂02'43	4.37789 AU
minimum elong	-3018 Mar 06 j 20:35	21°♄54'19	1°19'21	direct	-3012 May 06 j 04:41	15°♂♂11'30	
max. Earth dist.	-3018 Mar 08 j 18:49	22°♄21'37	6.02858 AU		-3012 Aug 26 j 13:12	0°♂♂	
morning rise	-3018 Mar 20 j 11:50	25°♄06'54		evening set	-3012 Sep 09 j 18:40	3°♂♂06'45	
	-3018 Apr 10 j 18:33	0°♄♂♂		max. Earth dist.	-3012 Sep 20 j 12:18	5°♂♂30'21	6.34241 AU
retrograde	-3018 Jul 29 j 07:53	15°♄07'04					
opposition	-3018 Sep 26 j 23:03	10°♄01'49	-1°-51'-21	conjunction	-3012 Sep 22 j 08:48	5°♂♂55'15	1°17'29
min. Earth dist.	-3018 Sep 25 j 16:28	10°♄12'16	4.06734 AU	minimum elong	-3012 Sep 22 j 08:49	5°♂♂55'15	1°17'31
direct	-3018 Nov 24 j 04:43	5°♄03'45		morning rise	-3012 Oct 04 j 21:11	8°♂♂42'59	
evening set	-3017 Mar 30 j 07:48	24°♄09'37		retrograde	-3011 Feb 04 j 08:49	26°♂♂16'21	
				opposition	-3011 Apr 06 j 07:27	21°♂♂24'28	1°40'51
conjunction	-3017 Apr 13 j 01:30	27°♄19'17	-1°-3'-21	min. Earth dist.	-3011 Apr 07 j 14:41	21°♂♂14'32	4.29761 AU

Planetary Phenomena of Jupiter from -3400 through -2900 (UT), Astrodienst AG 14-Nov-2015 16:04, page 35

Attention, astronomical year style is used: The year -3011 in astronomical counting style is the year 3012 BCE in historical counting style.

direct	-3011 Jun 07 j 11:13	16°♄26'14			-3005 Apr 08 j 01:56	0°♃	
	-3011 Sep 20 j 04:57	0°♄					
evening set	-3011 Oct 11 j 01:13	4°♄37'54		conjunction	-3005 Apr 18 j 05:52	2°♃20'02	0°-59'-2
max. Earth dist.	-3011 Oct 22 j 01:55	7°♄09'00	6.24345 AU	minimum elong	-3005 Apr 18 j 05:56	2°♃20'04	0°59'03
				max. Earth dist.	-3005 Apr 20 j 00:48	2°♃44'41	6.12874 AU
conjunction	-3011 Oct 23 j 14:42	7°♄30'04	0°54'33	morning rise	-3005 May 02 j 00:58	5°♃29'36	
minimum elong	-3011 Oct 23 j 14:45	7°♄30'06	0°54'32	retrograde	-3005 Sep 06 j 06:20	24°♃28'03	
morning rise	-3011 Nov 05 j 03:44	10°♄22'16		opposition	-3005 Nov 04 j 17:25	19°♃24'49	-1°00'-26
retrograde	-3010 Mar 10 j 14:11	28°♄45'00		min. Earth dist.	-3005 Nov 03 j 19:08	19°♃32'23	4.18651 AU
opposition	-3010 May 10 j 16:02	23°♄51'05	0°52'44	direct	-3004 Jan 03 j 01:42	14°♃23'24	
min. Earth dist.	-3010 May 11 j 12:44	23°♄44'28	4.18571 AU		-3004 Apr 25 j 14:48	0°♃	
direct	-3010 Jul 10 j 16:06	18°♄55'42		evening set	-3004 May 09 j 05:34	2°♃59'49	
	-3010 Oct 09 j 17:42	0°♄					
evening set	-3010 Nov 12 j 10:39	7°♄31'32		conjunction	-3004 May 22 j 23:18	6°♃04'00	0°-19'-41
max. Earth dist.	-3010 Nov 24 j 08:52	10°♄19'05	6.12891 AU	minimum elong	-3004 May 22 j 23:19	6°♃04'01	0°19'38
				max. Earth dist.	-3004 May 23 j 22:49	6°♃17'10	6.24537 AU
conjunction	-3010 Nov 25 j 03:22	10°♄29'56	0°13'39	morning rise	-3004 Jun 05 j 15:50	9°♃07'23	
minimum elong	-3010 Nov 25 j 03:23	10°♄29'56	0°13'34		-3004 Jul 02 j 21:17	15°♃	
behind sun begin	-3010 Nov 24 j 22:48	10°♄27'16		retrograde	-3004 Oct 07 j 11:10	27°♃06'11	
behind sun end	-3010 Nov 25 j 07:57	10°♄32'36		asc. node	-3004 Nov 14 j 08:49	24°♃50'24	
morning rise	-3010 Dec 07 j 21:29	13°♄29'15		opposition	-3004 Dec 06 j 00:08	22°♃06'34	0°03'34
	-3010 Dec 14 j 09:51	15°♄		min. Earth dist.	-3004 Dec 05 j 17:05	22°♃08'56	4.29960 AU
	-3009 Mar 03 j 05:15	0°♄		direct	-3003 Feb 04 j 17:03	17°♃03'25	
desc. node	-3009 Mar 19 j 20:20	1°♄43'07			-3003 May 18 j 18:08	0°♄	
retrograde	-3009 Apr 15 j 18:10	2°♄50'10		evening set	-3003 Jun 12 j 07:14	5°♄13'39	
	-3009 May 29 j 17:31	30°♄					
opposition	-3009 Jun 15 j 14:28	27°♄52'51	0°-15'-42	conjunction	-3003 Jun 25 j 18:59	8°♄11'08	0°24'29
min. Earth dist.	-3009 Jun 15 j 18:27	27°♄51'33	4.07685 AU	minimum elong	-3003 Jun 25 j 18:57	8°♄11'07	0°24'35
direct	-3009 Aug 14 j 06:18	22°♄59'23		max. Earth dist.	-3003 Jun 25 j 16:57	8°♄10'02	6.34659 AU
	-3009 Oct 22 j 03:39	0°♄		morning rise	-3003 Jul 09 j 04:00	11°♄07'10	
evening set	-3009 Dec 16 j 13:40	12°♄01'09		retrograde	-3003 Nov 07 j 09:06	28°♄22'18	
				opposition	-3002 Jan 06 j 06:45	23°♄26'32	1°03'42
conjunction	-3009 Dec 29 j 12:28	15°♄06'13	0°-33'-24	min. Earth dist.	-3002 Jan 06 j 15:27	23°♄23'41	4.38186 AU
minimum elong	-3009 Dec 29 j 12:26	15°♄06'11	0°33'30	direct	-3002 Mar 09 j 03:15	18°♄23'00	
max. Earth dist.	-3009 Dec 29 j 20:56	15°♄11'16	6.03596 AU		-3002 Jun 14 j 20:46	0°♄	
morning rise	-3008 Jan 11 j 13:56	18°♄12'51		evening set	-3002 Jul 14 j 18:23	6°♄15'49	
	-3008 Mar 05 j 09:32	0°♄					
retrograde	-3008 May 22 j 01:58	8°♄21'20		conjunction	-3002 Jul 27 j 21:10	9°♄07'18	1°00'21
opposition	-3008 Jul 21 j 12:15	3°♄20'06	-1°-21'-18	minimum elong	-3002 Jul 27 j 21:07	9°♄07'16	1°00'26
min. Earth dist.	-3008 Jul 20 j 20:54	3°♄25'12	4.00969 AU	max. Earth dist.	-3002 Jul 26 j 20:33	8°♄53'51	6.40302 AU
	-3008 Aug 18 j 05:33	30°♄		morning rise	-3002 Aug 09 j 20:35	11°♄57'07	
direct	-3008 Sep 17 j 23:24	28°♄26'49		retrograde	-3002 Dec 08 j 00:48	28°♄53'33	
	-3008 Oct 18 j 12:54	0°♄		opposition	-3001 Feb 06 j 08:12	24°♄00'43	1°44'38
evening set	-3007 Jan 20 j 12:16	17°♄46'32		min. Earth dist.	-3001 Feb 07 j 07:21	23°♄53'16	4.41007 AU
				direct	-3001 Apr 09 j 22:30	18°♄58'10	
conjunction	-3007 Feb 02 j 18:12	20°♄56'19	-1°-9'-9		-3001 Jul 13 j 20:28	0°♄	
minimum elong	-3007 Feb 02 j 18:10	20°♄56'17	1°09'15	evening set	-3001 Aug 15 j 02:17	6°♄45'40	
max. Earth dist.	-3007 Feb 04 j 03:24	21°♄16'10	5.99977 AU	max. Earth dist.	-3001 Aug 26 j 03:51	9°♄11'17	6.39936 AU
morning rise	-3007 Feb 16 j 03:38	24°♄07'52					
	-3007 Mar 13 j 12:36	0°♄		conjunction	-3001 Aug 27 j 20:44	9°♄33'47	1°18'58
retrograde	-3007 Jun 28 j 08:18	14°♄30'55		minimum elong	-3001 Aug 27 j 20:43	9°♄33'46	1°19'03
min. Earth dist.	-3007 Aug 26 j 02:35	9°♄36'08	4.01001 AU	morning rise	-3001 Sep 09 j 12:28	12°♄20'36	
opposition	-3007 Aug 27 j 06:59	9°♄26'30	-1°-56'-42		-3001 Sep 21 j 18:45	15°♄	
direct	-3007 Oct 24 j 06:12	4°♄31'10		retrograde	-3000 Jan 08 j 06:10	29°♄25'05	
	-3006 Jan 18 j 00:03	15°♄		opposition	-3000 Mar 08 j 23:19	24°♄33'32	1°56'50
evening set	-3006 Feb 26 j 13:26	23°♄51'57		min. Earth dist.	-3000 Mar 10 j 06:48	24°♄23'29	4.37585 AU
				direct	-3000 May 10 j 15:12	19°♄32'55	
conjunction	-3006 Mar 12 j 02:48	27°♄03'18	-1°-18'-44		-3000 Aug 09 j 19:39	0°♄	
minimum elong	-3006 Mar 12 j 02:49	27°♄03'19	1°18'48	evening set	-3000 Sep 14 j 00:07	7°♄27'51	
max. Earth dist.	-3006 Mar 14 j 03:03	27°♄31'43	6.03537 AU	max. Earth dist.	-3000 Sep 24 j 18:16	9°♄51'57	6.33640 AU
	-3006 Mar 24 j 15:33	0°♄					
morning rise	-3006 Mar 25 j 18:41	0°♄15'51		conjunction	-3000 Sep 26 j 13:57	10°♄16'25	1°15'35
retrograde	-3006 Aug 03 j 07:53	20°♄10'49		minimum elong	-3000 Sep 26 j 13:58	10°♄16'26	1°15'36
opposition	-3006 Oct 01 j 20:53	15°♄05'39	-1°-47'-22	morning rise	-3000 Oct 09 j 01:53	13°♄04'17	
min. Earth dist.	-3006 Sep 30 j 15:16	15°♄15'46	4.07759 AU		-2999 Jan 18 j 15:17	0°♄	
direct	-3006 Nov 29 j 04:44	10°♄07'10		retrograde	-2999 Feb 08 j 19:55	0°♄41'40	
evening set	-3005 Apr 04 j 11:49	29°♄10'44			-2999 Mar 02 j 02:28	30°♄	

Planetary Phenomena of Jupiter from -3400 through -2900 (UT), Astrodienst AG 14-Nov-2015 16:04, page 36

Attention, astronomical year style is used: The year -2999 in astronomical counting style is the year 3000 BCE in historical counting style.

opposition	-2999 Apr 10 j 20:26	25°♄49'39	1°35'57	opposition	-2994 Oct 06 j 18:47	20°♃11'06	-1°-42'-30
min. Earth dist.	-2999 Apr 12 j 02:53	25°♄39'58	4.28784 AU	min. Earth dist.	-2994 Oct 05 j 12:20	20°♃21'30	4.08702 AU
direct	-2999 Jun 11 j 21:01	20°♄51'48		direct	-2994 Dec 04 j 04:16	15°♃12'08	
	-2999 Sep 02 j 21:58	0°♄			-2993 Mar 21 j 20:12	0°♃	
evening set	-2999 Oct 15 j 08:03	9°♄05'14		evening set	-2993 Apr 09 j 16:03	4°♃13'23	
max. Earth dist.	-2999 Oct 26 j 08:57	11°♄36'57	6.23068 AU				
				conjunction	-2993 Apr 23 j 10:29	7°♃22'15	0°-54'-13
conjunction	-2999 Oct 27 j 21:33	11°♄57'59	0°49'51	minimum elong	-2993 Apr 23 j 10:32	7°♃22'18	0°54'14
minimum elong	-2999 Oct 27 j 21:36	11°♄58'00	0°49'51	max. Earth dist.	-2993 Apr 25 j 04:12	7°♃46'09	6.14212 AU
morning rise	-2999 Nov 09 j 11:06	14°♄50'55		morning rise	-2993 May 07 j 05:35	10°♃31'13	
	-2998 Jan 26 j 17:06	0°♄		retrograde	-2993 Sep 11 j 00:24	29°♃21'29	
retrograde	-2998 Mar 15 j 08:52	3°♄20'43		opposition	-2993 Nov 09 j 10:24	24°♃18'33	0°-51'-44
	-2998 May 03 j 00:06	30°♄		min. Earth dist.	-2993 Nov 08 j 14:13	24°♃25'23	4.20199 AU
opposition	-2998 May 15 j 09:34	28°♄26'27	0°44'18	direct	-2992 Jan 07 j 23:58	19°♃16'44	
min. Earth dist.	-2998 May 16 j 05:43	28°♄19'59	4.17050 AU		-2992 Apr 07 j 10:53	0°♃	
direct	-2998 Jul 15 j 06:05	23°♄31'19		evening set	-2992 May 14 j 04:48	7°♃49'03	
	-2998 Sep 20 j 08:27	0°♄					
evening set	-2998 Nov 16 j 21:51	12°♄10'58		conjunction	-2992 May 27 j 22:01	10°♃52'19	0°-13'-18
	-2998 Nov 28 j 21:45	15°♄		minimum elong	-2992 May 27 j 22:03	10°♃52'20	0°13'16
				behind sun begin	-2992 May 27 j 17:25	10°♃49'46	
conjunction	-2998 Nov 29 j 15:25	15°♄10'23	0°07'21	behind sun end	-2992 May 28 j 02:41	10°♃54'54	
minimum elong	-2998 Nov 29 j 15:25	15°♄10'24	0°07'17	max. Earth dist.	-2992 May 28 j 19:18	11°♃04'11	6.26152 AU
behind sun begin	-2998 Nov 29 j 08:02	15°♄06'04		morning rise	-2992 Jun 10 j 13:44	13°♃54'39	
behind sun end	-2998 Nov 29 j 22:48	15°♄14'43			-2992 Jun 15 j 12:14	15°♃	
max. Earth dist.	-2998 Nov 28 j 23:29	15°♄01'01	6.11275 AU		-2992 Sep 08 j 11:55	0°♃	
morning rise	-2998 Dec 12 j 10:24	18°♄10'50		asc. node	-2992 Sep 23 j 03:45	1°♃11'19	
desc. node	-2997 Jan 29 j 22:09	28°♄46'35		retrograde	-2992 Oct 11 j 21:07	1°♃45'33	
	-2997 Feb 05 j 09:06	0°♄			-2992 Nov 14 j 02:52	30°♃	
retrograde	-2997 Apr 20 j 17:39	7°♄40'13		opposition	-2992 Dec 10 j 12:12	26°♃46'23	0°12'50
opposition	-2997 Jun 20 j 12:53	2°♄42'29	0°-25'-18	min. Earth dist.	-2992 Dec 10 j 06:22	26°♃48'20	4.31477 AU
min. Earth dist.	-2997 Jun 20 j 14:44	2°♄41'53	4.06123 AU	direct	-2991 Feb 09 j 08:34	21°♃43'00	
	-2997 Jul 12 j 13:36	30°♄			-2991 Apr 29 j 18:23	0°♃	
direct	-2997 Aug 18 j 23:31	27°♄49'12		evening set	-2991 Jun 17 j 00:15	9°♃49'30	
	-2997 Sep 24 j 20:19	0°♄					
evening set	-2997 Dec 21 j 08:11	16°♄55'45		conjunction	-2991 Jun 30 j 10:45	12°♃45'57	0°30'22
				minimum elong	-2991 Jun 30 j 10:43	12°♃45'56	0°30'27
conjunction	-2996 Jan 03 j 07:52	20°♄01'50	0°-39'-15	max. Earth dist.	-2991 Jun 30 j 05:06	12°♃42'52	6.35935 AU
minimum elong	-2996 Jan 03 j 07:49	20°♄01'48	0°39'23	morning rise	-2991 Jul 13 j 18:26	15°♃40'53	
max. Earth dist.	-2996 Jan 03 j 18:15	20°♄08'03	6.02220 AU		-2991 Sep 29 j 10:25	0°♃	
morning rise	-2996 Jan 16 j 10:36	23°♄09'37		retrograde	-2991 Nov 11 j 18:24	2°♃51'07	
	-2996 Feb 15 j 03:53	0°♄			-2991 Dec 25 j 07:59	30°♃	
retrograde	-2996 May 27 j 05:36	13°♄24'53		opposition	-2990 Jan 10 j 16:31	27°♃55'48	1°10'58
opposition	-2996 Jul 26 j 13:49	8°♄23'08	-1°-28'-23	min. Earth dist.	-2990 Jan 11 j 04:08	27°♃52'00	4.39114 AU
min. Earth dist.	-2996 Jul 25 j 20:15	8°♄29'00	3.99936 AU	direct	-2990 Mar 13 j 17:15	22°♃52'17	
direct	-2996 Sep 22 j 21:46	3°♄29'40			-2990 May 26 j 11:06	0°♃	
evening set	-2995 Jan 25 j 13:55	22°♄53'17		evening set	-2990 Jul 19 j 05:58	10°♃42'52	
				max. Earth dist.	-2990 Jul 31 j 03:29	13°♃18'20	6.40773 AU
conjunction	-2995 Feb 07 j 21:12	26°♄03'52	-1°-12'-10	conjunction	-2990 Aug 01 j 07:26	13°♃33'36	1°04'11
minimum elong	-2995 Feb 07 j 21:10	26°♄03'51	1°12'15	minimum elong	-2990 Aug 01 j 07:23	13°♃33'34	1°04'16
max. Earth dist.	-2995 Feb 09 j 10:43	26°♄26'18	5.99394 AU	morning rise	-2990 Aug 14 j 05:38	16°♃22'43	
morning rise	-2995 Feb 21 j 07:38	29°♄16'09			-2990 Oct 26 j 07:27	0°♃	
	-2995 Feb 24 j 09:45	0°♄		retrograde	-2990 Dec 12 j 08:56	3°♃18'13	
	-2995 May 08 j 13:09	15°♄			-2989 Jan 29 j 07:03	30°♃	
retrograde	-2995 Jul 03 j 12:53	19°♄40'31		opposition	-2989 Feb 10 j 18:12	28°♃25'36	1°48'14
	-2995 Aug 29 j 09:16	15°♄		min. Earth dist.	-2989 Feb 11 j 18:46	28°♃17'41	4.41013 AU
min. Earth dist.	-2995 Aug 31 j 03:36	14°♄45'39	4.00951 AU	direct	-2989 Apr 14 j 09:14	23°♃23'11	
opposition	-2995 Sep 01 j 08:25	14°♄35'52	-1°-58'-4		-2989 Jun 24 j 06:31	0°♃	
direct	-2995 Oct 29 j 07:02	9°♄40'10		evening set	-2989 Aug 19 j 11:04	11°♃10'36	
	-2995 Dec 26 j 19:09	15°♄		max. Earth dist.	-2989 Aug 30 j 11:35	13°♃35'51	6.39466 AU
evening set	-2994 Mar 03 j 19:01	29°♄01'52					
	-2994 Mar 07 j 22:16	0°♄		conjunction	-2989 Sep 01 j 04:40	13°♃58'30	1°19'52
conjunction	-2994 Mar 17 j 09:16	2°♄13'25	-1°-17'-31	minimum elong	-2989 Sep 01 j 04:39	13°♃58'30	1°19'56
minimum elong	-2994 Mar 17 j 09:18	2°♄13'26	1°17'34		-2989 Sep 05 j 20:11	15°♃	
max. Earth dist.	-2994 Mar 19 j 10:00	2°♄42'04	6.04011 AU	morning rise	-2989 Sep 13 j 19:27	16°♃45'09	
morning rise	-2994 Mar 31 j 02:10	5°♄26'08			-2989 Nov 22 j 06:35	0°♄	
retrograde	-2994 Aug 08 j 05:59	25°♄16'13		retrograde	-2988 Jan 12 j 17:42	3°♄52'33	

Planetary Phenomena of Jupiter from -3400 through -2900 (UT), Astrodienst AG 14-Nov-2015 16:04, page 37

Attention, astronomical year style is used: The year -2988 in astronomical counting style is the year 2989 BCE in historical counting style.

	-2988 Mar 05 j 17:38	30°♁♂		opposition	-2983 Sep 06 j 11:38	19°♁♂49'51	-1°-58'-32
opposition	-2988 Mar 13 j 12:14	29°♁♂01'04	1°55'54		-2983 Oct 26 j 16:40	15°♁♂	
min. Earth dist.	-2988 Mar 14 j 20:26	28°♁♂50'49	4.36666 AU	direct	-2983 Nov 03 j 09:56	14°♁♂53'45	
direct	-2988 May 15 j 03:05	24°♁♂00'49			-2983 Nov 11 j 04:32	15°♁♂	
	-2988 Jul 20 j 15:49	0°♁♂			-2982 Feb 18 j 17:41	0°♁♂	
evening set	-2988 Sep 18 j 09:07	11°♁♂57'41		evening set	-2982 Mar 09 j 01:29	4°♁♂12'34	
max. Earth dist.	-2988 Sep 29 j 01:28	14°♁♂21'18	6.32335 AU				
				conjunction	-2982 Mar 22 j 16:31	7°♁♂23'48	-1°-15'-46
conjunction	-2988 Sep 30 j 22:29	14°♁♂46'37	1°13'13	minimum elong	-2982 Mar 22 j 16:34	7°♁♂23'50	1°15'49
minimum elong	-2988 Sep 30 j 22:31	14°♁♂46'38	1°13'15	max. Earth dist.	-2982 Mar 24 j 17:37	7°♁♂52'33	6.05465 AU
morning rise	-2988 Oct 13 j 10:31	17°♁♂35'00		morning rise	-2982 Apr 05 j 09:51	10°♁♂36'03	
	-2988 Dec 14 j 12:07	0°♁♂			-2982 Jul 30 j 21:07	0°♁♂	
retrograde	-2987 Feb 13 j 14:29	5°♁♂18'54		retrograde	-2982 Aug 13 j 03:44	0°♁♂17'30	
opposition	-2987 Apr 15 j 14:47	0°♁♂26'37	1°30'20		-2982 Aug 26 j 07:07	30°♁♂	
min. Earth dist.	-2987 Apr 16 j 20:40	0°♁♂17'06	4.27159 AU	min. Earth dist.	-2982 Oct 10 j 10:27	25°♁♂22'22	4.10493 AU
	-2987 Apr 19 j 02:28	30°♁♂		opposition	-2982 Oct 11 j 15:16	25°♁♂12'32	-1°-36'-58
direct	-2987 Jun 16 j 12:11	25°♁♂29'07		direct	-2982 Dec 09 j 05:28	20°♁♂13'06	
	-2987 Aug 11 j 16:20	0°♁♂			-2981 Mar 03 j 06:58	0°♁♂	
evening set	-2987 Oct 19 j 20:05	13°♁♂46'15		evening set	-2981 Apr 14 j 17:54	9°♁♂09'16	
max. Earth dist.	-2987 Oct 31 j 00:29	16°♁♂20'30	6.21281 AU				
				conjunction	-2981 Apr 28 j 12:31	12°♁♂17'20	0°-49'-11
conjunction	-2987 Nov 01 j 10:08	16°♁♂39'55	0°44'38	minimum elong	-2981 Apr 28 j 12:34	12°♁♂17'22	0°49'10
minimum elong	-2987 Nov 01 j 10:11	16°♁♂39'56	0°44'36	max. Earth dist.	-2981 Apr 30 j 04:49	12°♁♂40'18	6.16189 AU
morning rise	-2987 Nov 14 j 00:07	19°♁♂33'51		morning rise	-2981 May 12 j 07:22	15°♁♂25'19	
	-2986 Jan 01 j 21:09	0°♁♂			-2981 Jul 25 j 11:52	0°♁♂	
retrograde	-2986 Mar 20 j 09:43	8°♁♂12'27		retrograde	-2981 Sep 15 j 12:26	4°♁♂05'34	
opposition	-2986 May 20 j 10:09	3°♁♂17'48	0°35'04		-2981 Nov 06 j 22:45	30°♁♂	
min. Earth dist.	-2986 May 21 j 04:07	3°♁♂12'02	4.15229 AU	opposition	-2981 Nov 13 j 23:41	29°♁♂03'08	0°-42'-59
	-2986 Jun 17 j 14:45	30°♁♂		min. Earth dist.	-2981 Nov 13 j 04:40	29°♁♂09'34	4.22162 AU
direct	-2986 Jul 20 j 01:36	28°♁♂23'05		direct	-2980 Jan 12 j 16:43	24°♁♂01'02	
	-2986 Aug 21 j 05:00	0°♁♂			-2980 Mar 17 j 15:46	0°♁♂	
	-2986 Nov 12 j 13:30	15°♁♂		evening set	-2980 May 19 j 00:02	12°♁♂28'27	
evening set	-2986 Nov 21 j 16:17	17°♁♂07'17			-2980 May 30 j 09:20	15°♁♂	
conjunction	-2986 Dec 04 j 10:28	20°♁♂07'45	0°00'34	conjunction	-2980 Jun 01 j 16:26	15°♁♂30'39	0°-7'-5
minimum elong	-2986 Dec 04 j 10:28	20°♁♂07'45	0°00'30	minimum elong	-2980 Jun 01 j 16:27	15°♁♂30'39	0°07'02
behind sun begin	-2986 Dec 04 j 02:25	20°♁♂03'01		behind sun begin	-2980 Jun 01 j 08:48	15°♁♂26'25	
behind sun end	-2986 Dec 04 j 18:31	20°♁♂12'29		behind sun end	-2980 Jun 02 j 00:06	15°♁♂34'53	
max. Earth dist.	-2986 Dec 03 j 20:55	19°♁♂59'45	6.09592 AU	max. Earth dist.	-2980 Jun 02 j 08:29	15°♁♂39'34	6.27941 AU
desc. node	-2986 Dec 09 j 00:34	21°♁♂12'48		morning rise	-2980 Jun 15 j 07:19	18°♁♂31'51	
morning rise	-2986 Dec 17 j 06:36	23°♁♂09'24		asc. node	-2980 Aug 03 j 09:51	28°♁♂37'26	
	-2985 Jan 16 j 09:26	0°♁♂			-2980 Aug 11 j 05:55	0°♁♂	
retrograde	-2985 Apr 26 j 00:18	12°♁♂47'18		retrograde	-2980 Oct 16 j 06:02	6°♁♂15'14	
opposition	-2985 Jun 25 j 18:21	7°♁♂49'01	0°-35'-21	opposition	-2980 Dec 14 j 20:56	1°♁♂16'39	0°21'41
min. Earth dist.	-2985 Jun 25 j 16:54	7°♁♂49'29	4.04747 AU	min. Earth dist.	-2980 Dec 14 j 18:45	1°♁♂17'23	4.32942 AU
direct	-2985 Aug 24 j 00:32	2°♁♂55'52			-2980 Dec 24 j 13:50	30°♁♂	
evening set	-2985 Dec 26 j 09:41	22°♁♂06'17		direct	-2979 Feb 13 j 22:36	26°♁♂13'09	
					-2979 Apr 06 j 10:13	0°♁♂	
conjunction	-2984 Jan 08 j 10:34	25°♁♂13'16	0°-45'-11	evening set	-2979 Jun 21 j 13:11	14°♁♂16'29	
minimum elong	-2984 Jan 08 j 10:31	25°♁♂13'14	0°45'18				
max. Earth dist.	-2984 Jan 09 j 02:42	25°♁♂22'55	6.01307 AU	conjunction	-2979 Jul 04 j 22:37	17°♁♂12'04	0°35'52
morning rise	-2984 Jan 21 j 14:16	28°♁♂21'54		minimum elong	-2979 Jul 04 j 22:35	17°♁♂12'02	0°35'58
	-2984 Jan 28 j 12:10	0°♁♂		max. Earth dist.	-2979 Jul 04 j 13:45	17°♁♂07'12	6.36954 AU
retrograde	-2984 Jun 01 j 15:36	18°♁♂41'19		morning rise	-2979 Jul 18 j 04:55	20°♁♂06'02	
opposition	-2984 Jul 31 j 20:44	13°♁♂39'07	-1°-35'-9		-2979 Sep 05 j 03:24	0°♁♂	
min. Earth dist.	-2984 Jul 31 j 01:17	13°♁♂45'37	3.99634 AU	retrograde	-2979 Nov 15 j 23:01	7°♁♂12'51	
direct	-2984 Sep 28 j 02:13	8°♁♂45'32		opposition	-2978 Jan 14 j 23:25	2°♁♂17'59	1°17'37
evening set	-2983 Jan 30 j 20:25	28°♁♂09'57		min. Earth dist.	-2978 Jan 15 j 12:41	2°♁♂13'39	4.39650 AU
	-2983 Feb 07 j 13:13	0°♁♂			-2978 Feb 02 j 07:22	30°♁♂	
				direct	-2978 Mar 18 j 01:40	27°♁♂14'33	
conjunction	-2983 Feb 13 j 04:35	1°♁♂20'49	-1°-14'-46		-2978 May 01 j 04:03	0°♁♂	
minimum elong	-2983 Feb 13 j 04:33	1°♁♂20'48	1°14'52	evening set	-2978 Jul 23 j 15:07	15°♁♂04'32	
max. Earth dist.	-2983 Feb 14 j 20:23	1°♁♂44'34	5.99710 AU	max. Earth dist.	-2978 Aug 04 j 08:19	17°♁♂37'47	6.40771 AU
morning rise	-2983 Feb 26 j 16:12	4°♁♂33'24					
	-2983 Apr 14 j 13:39	15°♁♂		conjunction	-2978 Aug 05 j 15:20	17°♁♂54'45	1°07'33
retrograde	-2983 Jul 08 j 16:07	24°♁♂54'45		minimum elong	-2978 Aug 05 j 15:17	17°♁♂54'43	1°07'39
min. Earth dist.	-2983 Sep 05 j 04:44	20°♁♂00'21	4.01885 AU	morning rise	-2978 Aug 18 j 12:23	20°♁♂43'24	

Planetary Phenomena of Jupiter from -3400 through -2900 (UT), Astrodienst AG 14-Nov-2015 16:04, page 38

Attention, astronomical year style is used: The year -2978 in astronomical counting style is the year 2979 BCE in historical counting style.

	-2978 Oct 03 j 02:25	0°♁		opposition	-2972 Aug 06 j 02:53	18°♁54'58	-1°-41'-6
retrograde	-2978 Dec 16 j 17:33	7°♁39'47		direct	-2972 Oct 03 j 05:40	14°♁01'06	
opposition	-2977 Feb 15 j 02:59	2°♁47'30	1°51'12		-2971 Jan 21 j 12:48	0°♁	
min. Earth dist.	-2977 Feb 16 j 06:01	2°♁38'49	4.40492 AU	evening set	-2971 Feb 05 j 02:22	3°♁24'46	
	-2977 Mar 10 j 05:02	30°♁♁					
direct	-2977 Apr 18 j 19:17	27°♁45'21		conjunction	-2971 Feb 18 j 11:34	6°♁35'44	-1°-16'-47
	-2977 May 28 j 10:51	0°♁		minimum elong	-2971 Feb 18 j 11:33	6°♁35'44	1°16'52
	-2977 Aug 21 j 03:50	15°♁		max. Earth dist.	-2971 Feb 20 j 06:02	7°♁01'02	6.00399 AU
evening set	-2977 Aug 23 j 18:52	15°♁34'28		morning rise	-2971 Mar 03 j 23:58	9°♁48'20	
max. Earth dist.	-2977 Sep 03 j 16:13	17°♁58'26	6.38442 AU		-2971 Mar 26 j 11:10	15°♁	
					-2971 Jul 06 j 15:42	0°♁	
conjunction	-2977 Sep 05 j 11:42	18°♁22'28	1°20'17	retrograde	-2971 Jul 13 j 19:06	0°♁05'05	
minimum elong	-2977 Sep 05 j 11:42	18°♁22'28	1°20'21		-2971 Jul 20 j 21:47	30°♁♁	
morning rise	-2977 Sep 18 j 01:58	21°♁09'17		min. Earth dist.	-2971 Sep 10 j 06:33	25°♁10'20	4.03045 AU
	-2977 Oct 30 j 18:24	0°♁		opposition	-2971 Sep 11 j 12:58	24°♁59'59	-1°-58'-4
retrograde	-2976 Jan 17 j 06:45	8°♁21'41		direct	-2971 Nov 08 j 13:58	20°♁03'23	
opposition	-2976 Mar 18 j 01:51	3°♁30'10	1°54'18		-2970 Jan 31 j 02:46	0°♁	
min. Earth dist.	-2976 Mar 19 j 09:53	3°♁19'58	4.35223 AU	evening set	-2970 Mar 14 j 06:21	9°♁18'46	
	-2976 Apr 17 j 15:56	30°♁♁					
direct	-2976 May 19 j 14:06	28°♁30'16		conjunction	-2970 Mar 27 j 22:10	12°♁29'38	-1°-13'-30
	-2976 Jun 20 j 12:36	0°♁		minimum elong	-2970 Mar 27 j 22:13	12°♁29'40	1°13'33
evening set	-2976 Sep 22 j 18:37	16°♁30'45		max. Earth dist.	-2970 Mar 29 j 23:49	12°♁58'35	6.06990 AU
max. Earth dist.	-2976 Oct 03 j 13:07	18°♁56'07	6.30599 AU	morning rise	-2970 Apr 10 j 15:58	15°♁41'22	
					-2970 Jun 19 j 12:37	0°♁	
conjunction	-2976 Oct 05 j 07:59	19°♁20'20	1°10'24	retrograde	-2970 Aug 17 j 22:17	5°♁14'02	
minimum elong	-2976 Oct 05 j 08:02	19°♁20'21	1°10'25	min. Earth dist.	-2970 Oct 15 j 05:32	0°♁18'58	4.12225 AU
morning rise	-2976 Oct 17 j 19:57	22°♁09'27		opposition	-2970 Oct 16 j 09:50	0°♁09'19	-1°-30'-52
	-2976 Nov 23 j 09:22	0°♁			-2970 Oct 17 j 13:08	30°♁♁	
retrograde	-2975 Feb 18 j 10:40	10°♁01'20		direct	-2970 Dec 14 j 02:27	25°♁09'29	
opposition	-2975 Apr 20 j 11:02	5°♁08'52	1°24'03		-2969 Feb 08 j 19:19	0°♁	
min. Earth dist.	-2975 Apr 21 j 15:53	4°♁59'41	4.25243 AU	evening set	-2969 Apr 19 j 18:16	14°♁01'02	
direct	-2975 Jun 21 j 04:43	0°♁11'51					
evening set	-2975 Oct 24 j 10:23	18°♁33'30		conjunction	-2969 May 03 j 12:45	17°♁08'19	0°-43'-52
max. Earth dist.	-2975 Nov 04 j 16:38	21°♁09'33	6.19360 AU	minimum elong	-2969 May 03 j 12:49	17°♁08'21	0°43'51
				max. Earth dist.	-2969 May 05 j 00:42	17°♁28'43	6.17990 AU
conjunction	-2975 Nov 06 j 00:44	21°♁28'08	0°39'01	morning rise	-2969 May 17 j 07:30	20°♁15'26	
minimum elong	-2975 Nov 06 j 00:47	21°♁28'10	0°38'58		-2969 Jul 02 j 08:33	0°♁	
morning rise	-2975 Nov 18 j 15:36	24°♁23'14		retrograde	-2969 Sep 20 j 00:56	8°♁46'46	
	-2975 Dec 13 j 15:36	0°♁		opposition	-2969 Nov 18 j 12:19	3°♁44'48	0°-34'-5
retrograde	-2974 Mar 25 j 12:30	13°♁10'59		min. Earth dist.	-2969 Nov 17 j 20:17	3°♁50'13	4.23858 AU
opposition	-2974 May 25 j 12:54	8°♁15'49	0°25'23		-2969 Dec 20 j 00:36	30°♁♁	
min. Earth dist.	-2974 May 26 j 03:27	8°♁11'08	4.13454 AU	direct	-2968 Jan 17 j 10:31	28°♁42'24	
direct	-2974 Jul 24 j 23:25	3°♁21'23			-2968 Feb 15 j 05:23	0°♁	
desc. node	-2974 Oct 17 j 12:06	13°♁14'33			-2968 May 14 j 04:18	15°♁	
	-2974 Oct 25 j 21:46	15°♁		evening set	-2968 May 23 j 18:28	17°♁05'51	
evening set	-2974 Nov 26 j 12:46	22°♁09'47					
				conjunction	-2968 Jun 06 j 10:20	20°♁07'10	0°00'-47
conjunction	-2974 Dec 09 j 07:57	25°♁11'16	0°-6'-22	minimum elong	-2968 Jun 06 j 10:20	20°♁07'10	0°00'44
minimum elong	-2974 Dec 09 j 07:56	25°♁11'16	0°06'27	behind sun begin	-2968 Jun 06 j 02:02	20°♁02'36	
behind sun begin	-2974 Dec 09 j 00:21	25°♁06'47		behind sun end	-2968 Jun 06 j 18:37	20°♁11'45	
behind sun end	-2974 Dec 09 j 15:32	25°♁15'45		max. Earth dist.	-2968 Jun 06 j 23:54	20°♁14'41	6.29423 AU
max. Earth dist.	-2974 Dec 09 j 00:16	25°♁06'44	6.08139 AU	asc. node	-2968 Jun 13 j 09:38	21°♁39'53	
morning rise	-2974 Dec 22 j 04:57	28°♁13'58		morning rise	-2968 Jun 20 j 00:04	23°♁07'19	
	-2974 Dec 29 j 18:13	0°♁			-2968 Jul 22 j 10:37	0°♁	
retrograde	-2973 May 01 j 09:40	17°♁59'02		retrograde	-2968 Oct 20 j 12:55	10°♁44'20	
opposition	-2973 Jul 01 j 01:18	13°♁00'09	0°-45'-14	opposition	-2968 Dec 19 j 05:40	5°♁46'20	0°30'24
min. Earth dist.	-2973 Jun 30 j 21:21	13°♁01'27	4.03764 AU	min. Earth dist.	-2968 Dec 19 j 05:11	5°♁46'29	4.34110 AU
direct	-2973 Aug 29 j 03:48	8°♁07'04		direct	-2967 Feb 18 j 10:24	0°♁42'48	
evening set	-2973 Dec 31 j 12:19	27°♁19'36		evening set	-2967 Jun 26 j 02:37	18°♁43'54	
	-2972 Jan 11 j 16:40	0°♁					
				conjunction	-2967 Jul 09 j 10:42	21°♁38'38	0°41'11
conjunction	-2972 Jan 13 j 14:01	0°♁27'09	0°-50'-48	minimum elong	-2967 Jul 09 j 10:39	21°♁38'37	0°41'16
minimum elong	-2972 Jan 13 j 13:58	0°♁27'07	0°50'54	max. Earth dist.	-2967 Jul 08 j 20:56	21°♁31'06	6.37714 AU
max. Earth dist.	-2972 Jan 14 j 09:18	0°♁38'42	6.00848 AU	morning rise	-2967 Jul 22 j 15:51	24°♁31'49	
morning rise	-2972 Jan 26 j 18:59	3°♁36'29			-2967 Aug 17 j 12:11	0°♁	
retrograde	-2972 Jun 06 j 21:26	23°♁57'44		retrograde	-2967 Nov 20 j 07:09	11°♁36'05	
min. Earth dist.	-2972 Aug 05 j 04:12	19°♁02'34	3.99772 AU	opposition	-2966 Jan 19 j 07:42	6°♁41'41	1°23'54

Planetary Phenomena of Jupiter from -3400 through -2900 (UT), Astrodienst AG 14-Nov-2015 16:04, page 39

Attention, astronomical year style is used: The year -2966 in astronomical counting style is the year 2967 BCE in historical counting style.

min. Earth dist.	-2966 Jan 20 j 00:08	6°♄36'20	4.39974 AU	conjunction	-2960 Jan 18 j 15:23	5°♃34'19	0°-55'-51
direct	-2966 Mar 22 j 13:26	1°♄38'22		minimum elong	-2960 Jan 18 j 15:20	5°♃34'17	0°55'57
evening set	-2966 Jul 28 j 00:49	19°♄28'04		max. Earth dist.	-2960 Jan 19 j 14:53	5°♃48'23	6.00700 AU
max. Earth dist.	-2966 Aug 08 j 15:11	21°♄59'55	6.40618 AU	morning rise	-2960 Jan 31 j 21:12	8°♃44'06	
				retrograde	-2960 Jun 12 j 01:42	29°♃05'59	
conjunction	-2966 Aug 10 j 00:02	22°♄17'54	1°10'36	min. Earth dist.	-2960 Aug 10 j 05:51	24°♃10'40	4.00103 AU
minimum elong	-2966 Aug 09 j 23:59	22°♄17'52	1°10'42	opposition	-2960 Aug 11 j 05:19	24°♃02'47	-1°-46'-4
morning rise	-2966 Aug 22 j 19:53	25°♄06'09		direct	-2960 Oct 08 j 08:01	19°♃08'37	
	-2966 Sep 14 j 20:36	0°♄			-2959 Jan 03 j 14:28	0°≈	
retrograde	-2966 Dec 21 j 01:54	12°♄03'59		evening set	-2959 Feb 10 j 05:04	8°≈31'12	
opposition	-2965 Feb 19 j 13:24	7°♄11'54	1°53'36				
min. Earth dist.	-2965 Feb 20 j 16:43	7°♄03'09	4.39905 AU	conjunction	-2959 Feb 23 j 15:14	11°≈42'15	-1°-18'-7
direct	-2965 Apr 23 j 04:55	2°♄10'05		minimum elong	-2959 Feb 23 j 15:13	11°≈42'14	1°18'12
	-2965 Aug 04 j 18:05	15°♄		max. Earth dist.	-2959 Feb 25 j 11:49	12°≈08'43	6.01155 AU
evening set	-2965 Aug 28 j 03:46	20°♄00'52		morning rise	-2959 Mar 09 j 04:30	14°≈54'50	
max. Earth dist.	-2965 Sep 08 j 00:10	22°♄24'42	6.37468 AU		-2959 Mar 09 j 13:17	15°≈	
					-2959 May 21 j 00:32	0°✕	
conjunction	-2965 Sep 09 j 19:50	22°♄48'55	1°20'17	retrograde	-2959 Jul 18 j 17:59	5°✕06'45	
minimum elong	-2965 Sep 09 j 19:50	22°♄48'55	1°20'19	min. Earth dist.	-2959 Sep 15 j 03:31	0°✕12'07	4.04160 AU
morning rise	-2965 Sep 22 j 09:29	25°♄35'54		opposition	-2959 Sep 16 j 10:24	0°✕01'36	-1°-56'-44
	-2965 Oct 12 j 17:56	0°♄			-2959 Sep 16 j 15:06	30°R≈	
retrograde	-2964 Jan 21 j 21:33	12°♄53'07		direct	-2959 Nov 13 j 11:50	25°≈04'35	
opposition	-2964 Mar 22 j 16:56	8°♄01'40	1°52'00		-2958 Jan 08 j 20:00	0°✕	
min. Earth dist.	-2964 Mar 24 j 01:39	7°♄51'15	4.33929 AU	evening set	-2958 Mar 19 j 08:02	14°✕17'05	
direct	-2964 May 24 j 04:08	3°♄02'14					
evening set	-2964 Sep 27 j 05:03	21°♄05'36		conjunction	-2958 Apr 02 j 00:20	17°✕27'36	-1°-10'-45
max. Earth dist.	-2964 Oct 07 j 23:44	23°♄31'39	6.29107 AU	minimum elong	-2958 Apr 02 j 00:23	17°✕27'38	1°10'47
				max. Earth dist.	-2958 Apr 03 j 23:09	17°✕54'48	6.08347 AU
conjunction	-2964 Oct 09 j 18:18	23°♄55'46	1°07'09	morning rise	-2958 Apr 15 j 18:39	20°✕38'53	
minimum elong	-2964 Oct 09 j 18:20	23°♄55'48	1°07'09		-2958 May 28 j 14:42	0°Y	
morning rise	-2964 Oct 22 j 06:30	26°♄45'36		retrograde	-2958 Aug 22 j 13:39	10°Y03'48	
	-2964 Nov 05 j 19:48	0°♄		min. Earth dist.	-2958 Oct 19 j 22:48	5°Y08'22	4.13675 AU
retrograde	-2963 Feb 23 j 06:25	14°♄44'41		opposition	-2958 Oct 21 j 01:16	4°Y59'20	-1°-24'-21
opposition	-2963 Apr 25 j 07:53	9°♄51'56	1°17'12		-2958 Dec 15 j 21:10	30°R✕	
min. Earth dist.	-2963 Apr 26 j 10:07	9°♄43'34	4.23662 AU	direct	-2958 Dec 18 j 21:39	29°✕59'04	
direct	-2963 Jun 25 j 21:09	4°♄55'22			-2958 Dec 21 j 22:19	0°Y	
evening set	-2963 Oct 29 j 00:29	23°♄20'20		evening set	-2957 Apr 24 j 16:05	18°Y47'19	
max. Earth dist.	-2963 Nov 09 j 11:54	25°♄59'50	6.17854 AU				
				conjunction	-2957 May 08 j 10:46	21°Y54'01	0°-38'-24
conjunction	-2963 Nov 10 j 15:24	26°♄15'49	0°33'11	minimum elong	-2957 May 08 j 10:49	21°Y54'03	0°38'23
minimum elong	-2963 Nov 10 j 15:26	26°♄15'51	0°33'08	max. Earth dist.	-2957 May 09 j 20:54	22°Y13'20	6.19447 AU
morning rise	-2963 Nov 23 j 06:48	29°♄11'50		morning rise	-2957 May 22 j 05:01	25°Y00'20	
	-2963 Nov 26 j 18:26	0°♄			-2957 Jun 13 j 23:07	0°♄	
retrograde	-2962 Feb 12 j 18:46	15°♄		retrograde	-2957 Sep 24 j 11:29	13°♄24'09	
	-2962 Mar 30 j 16:09	18°♄07'17		opposition	-2957 Nov 22 j 23:01	8°♄22'45	0°-25'-11
opposition	-2962 May 16 j 06:31	15°R♄		min. Earth dist.	-2957 Nov 22 j 08:52	8°♄27'31	4.25190 AU
min. Earth dist.	-2962 May 30 j 15:00	13°♄11'42	0°15'37	direct	-2956 Jan 22 j 00:56	3°♄20'10	
direct	-2962 Jul 29 j 21:56	8°♄17'37		asc. node	-2956 Apr 23 j 23:40	14°♄23'10	
desc. node	-2962 Aug 27 j 03:10	9°♄33'50			-2956 Apr 27 j 01:03	15°♄	
	-2962 Oct 05 j 16:25	15°♄		evening set	-2956 May 28 j 11:44	21°♄41'00	
evening set	-2962 Dec 01 j 08:14	27°♄08'41		conjunction	-2956 Jun 11 j 02:41	24°♄41'32	0°05'26
	-2962 Dec 13 j 09:37	0°♄		minimum elong	-2956 Jun 11 j 02:39	24°♄41'31	0°05'31
conjunction	-2962 Dec 14 j 04:04	0°♄10'56	0°-13'-1	behind sun begin	-2956 Jun 10 j 18:42	24°♄37'08	
minimum elong	-2962 Dec 14 j 04:02	0°♄10'56	0°13'08	behind sun end	-2956 Jun 11 j 10:37	24°♄45'53	
behind sun begin	-2962 Dec 13 j 23:08	0°♄08'02		max. Earth dist.	-2956 Jun 11 j 11:04	24°♄46'09	6.30532 AU
behind sun end	-2962 Dec 14 j 08:57	0°♄13'50		morning rise	-2956 Jun 24 j 15:37	27°♄40'51	
max. Earth dist.	-2962 Dec 13 j 23:18	0°♄08'07	6.07118 AU		-2956 Jul 05 j 07:08	0°♄	
morning rise	-2962 Dec 27 j 02:11	3°♄14'33		retrograde	-2956 Oct 24 j 20:52	15°♄12'55	
retrograde	-2961 May 06 j 13:39	23°♄05'04		opposition	-2956 Dec 23 j 14:12	10°♄15'26	0°38'49
opposition	-2961 Jul 06 j 05:21	18°♄05'36	0°-54'-33	min. Earth dist.	-2956 Dec 23 j 16:31	10°♄14'39	4.34939 AU
min. Earth dist.	-2961 Jul 05 j 21:33	18°♄08'10	4.03160 AU	direct	-2955 Feb 22 j 23:16	5°♄11'48	
direct	-2961 Sep 03 j 02:59	13°♄12'34		evening set	-2955 Jun 30 j 15:27	23°♄11'36	
	-2961 Dec 26 j 04:52	0°♄					
evening set	-2960 Jan 05 j 12:42	2°♄26'17		conjunction	-2955 Jul 13 j 22:30	26°♄05'40	0°46'13
				minimum elong	-2955 Jul 13 j 22:27	26°♄05'38	0°46'19
				max. Earth dist.	-2955 Jul 13 j 07:11	25°♄57'17	6.38207 AU

Planetary Phenomena of Jupiter from -3400 through -2900 (UT), Astrodienst AG 14-Nov-2015 16:04, page 40

Attention, astronomical year style is used: The year -2955 in astronomical counting style is the year 2956 BCE in historical counting style.

morning rise	-2955 Jul 27 j 02:12	28°♄58'05		direct	-2949 Sep 08 j 03:53	18°♄16'04	
	-2955 Jul 31 j 20:33	0°♄			-2949 Dec 08 j 17:23	0°♄	
retrograde	-2955 Nov 24 j 13:29	16°♄00'36		evening set	-2948 Jan 10 j 13:13	7°♄32'11	
opposition	-2954 Jan 23 j 16:15	11°♄06'36	1°29'41				
min. Earth dist.	-2954 Jan 24 j 09:31	11°♄01'00	4.40134 AU	conjunction	-2948 Jan 23 j 16:57	10°♄40'51	-1°00'-31
direct	-2954 Mar 26 j 23:32	6°♄03'27		minimum elong	-2948 Jan 23 j 16:53	10°♄40'49	1°00'37
evening set	-2954 Aug 01 j 10:59	23°♄53'07		max. Earth dist.	-2948 Jan 24 j 19:54	10°♄57'00	6.00241 AU
max. Earth dist.	-2954 Aug 12 j 21:14	26°♄22'58	6.40417 AU	morning rise	-2948 Feb 05 j 23:54	13°♄51'18	
					-2948 Apr 24 j 22:44	0°♄	
conjunction	-2954 Aug 14 j 08:52	26°♄42'30	1°13'14	retrograde	-2948 Jun 17 j 06:19	4°♄14'50	
minimum elong	-2954 Aug 14 j 08:49	26°♄42'29	1°13'18		-2948 Aug 10 j 06:41	30°♄	
morning rise	-2954 Aug 27 j 03:46	29°♄30'24		min. Earth dist.	-2948 Aug 15 j 06:37	29°♄19'49	4.00111 AU
	-2954 Aug 29 j 10:11	0°♄		opposition	-2948 Aug 16 j 07:57	29°♄11'17	-1°-50'-17
	-2954 Nov 24 j 08:29	15°♄		direct	-2948 Oct 13 j 08:27	24°♄16'49	
retrograde	-2954 Dec 25 j 12:27	16°♄29'36			-2948 Dec 13 j 01:29	0°♄	
	-2953 Jan 25 j 18:39	15°♄		evening set	-2947 Feb 15 j 09:27	13°♄39'48	
opposition	-2953 Feb 24 j 00:26	11°♄37'40	1°55'19		-2947 Feb 21 j 01:11	15°♄	
min. Earth dist.	-2953 Feb 25 j 05:33	11°♄28'20	4.39371 AU				
direct	-2953 Apr 27 j 17:30	6°♄36'04		conjunction	-2947 Feb 28 j 20:31	16°♄51'04	-1°-18'-53
	-2953 Jul 17 j 12:00	15°♄		minimum elong	-2947 Feb 28 j 20:31	16°♄51'03	1°18'57
evening set	-2953 Sep 01 j 12:26	24°♄27'51		max. Earth dist.	-2947 Mar 02 j 17:06	17°♄17'29	6.01597 AU
max. Earth dist.	-2953 Sep 12 j 08:19	26°♄51'44	6.36622 AU	morning rise	-2947 Mar 14 j 10:47	20°♄03'50	
					-2947 Apr 28 j 04:43	0°♄	
conjunction	-2953 Sep 14 j 03:57	27°♄15'58	1°19'47	retrograde	-2947 Jul 23 j 17:16	10°♄11'59	
minimum elong	-2953 Sep 14 j 03:58	27°♄15'58	1°19'50	min. Earth dist.	-2947 Sep 20 j 02:24	5°♄17'16	4.04980 AU
morning rise	-2953 Sep 26 j 17:04	0°♄03'04		opposition	-2947 Sep 21 j 09:11	5°♄06'45	-1°-54'-33
	-2953 Sep 26 j 11:30	0°♄		direct	-2947 Nov 18 j 12:14	0°♄09'15	
retrograde	-2952 Jan 26 j 10:08	17°♄24'29		evening set	-2946 Mar 24 j 12:06	19°♄20'03	
opposition	-2952 Mar 27 j 07:57	12°♄32'52	1°49'01				
min. Earth dist.	-2952 Mar 28 j 15:19	12°♄22'53	4.32817 AU	conjunction	-2946 Apr 07 j 05:16	22°♄30'24	-1°-7'-26
direct	-2952 May 28 j 16:19	7°♄33'46		minimum elong	-2946 Apr 07 j 05:20	22°♄30'26	1°07'27
evening set	-2952 Oct 01 j 14:43	25°♄39'06		max. Earth dist.	-2946 Apr 09 j 04:28	22°♄57'45	6.09493 AU
max. Earth dist.	-2952 Oct 12 j 11:22	28°♄06'43	6.27805 AU	morning rise	-2946 Apr 20 j 23:50	25°♄41'20	
					-2946 May 10 j 02:12	0°♄	
conjunction	-2952 Oct 14 j 03:52	28°♄29'45	1°03'29	retrograde	-2946 Aug 27 j 08:57	14°♄58'59	
minimum elong	-2952 Oct 14 j 03:55	28°♄29'46	1°03'29	opposition	-2946 Oct 25 j 19:13	9°♄54'55	-1°-17'-5
	-2952 Oct 20 j 18:39	0°♄		min. Earth dist.	-2946 Oct 24 j 18:09	10°♄03'27	4.15013 AU
morning rise	-2952 Oct 26 j 16:11	1°♄20'10		direct	-2946 Dec 23 j 18:44	4°♄54'21	
retrograde	-2951 Feb 28 j 03:02	19°♄25'46		evening set	-2945 Apr 29 j 16:47	23°♄39'36	
opposition	-2951 Apr 30 j 03:57	14°♄32'42	1°09'52				
min. Earth dist.	-2951 May 01 j 05:46	14°♄24'28	4.22217 AU	conjunction	-2945 May 13 j 11:12	26°♄45'38	0°-32'-31
direct	-2951 Jun 30 j 14:48	9°♄36'27		minimum elong	-2945 May 13 j 11:15	26°♄45'40	0°32'30
evening set	-2951 Nov 02 j 13:42	28°♄04'16		max. Earth dist.	-2945 May 14 j 17:44	27°♄02'51	6.20885 AU
	-2951 Nov 10 j 21:05	0°♄		morning rise	-2945 May 27 j 05:15	29°♄51'13	
max. Earth dist.	-2951 Nov 14 j 03:18	0°♄45'34	6.16386 AU		-2945 May 27 j 20:58	0°♄	
					-2945 Aug 14 j 22:39	15°♄	
conjunction	-2951 Nov 15 j 05:05	1°♄00'35	0°27'09	retrograde	-2945 Sep 28 j 23:56	18°♄07'34	
minimum elong	-2951 Nov 15 j 05:07	1°♄00'36	0°27'07		-2945 Nov 13 j 03:05	15°♄	
morning rise	-2951 Nov 27 j 21:19	3°♄57'34		opposition	-2945 Nov 27 j 12:34	13°♄06'43	0°-15'-54
	-2950 Jan 18 j 08:24	15°♄		min. Earth dist.	-2945 Nov 27 j 00:00	13°♄10'57	4.26620 AU
retrograde	-2950 Apr 04 j 16:10	23°♄00'31		direct	-2944 Jan 26 j 18:48	8°♄03'58	
opposition	-2950 Jun 04 j 15:27	18°♄04'25	0°05'47	asc. node	-2944 Mar 02 j 23:26	10°♄03'12	
min. Earth dist.	-2950 Jun 05 j 00:44	18°♄01'24	4.10754 AU		-2944 Apr 06 j 21:58	15°♄	
	-2950 Jun 30 j 09:13	15°♄		evening set	-2944 Jun 02 j 07:16	26°♄21'40	
desc. node	-2950 Jul 07 j 04:26	14°♄22'24					
direct	-2950 Aug 03 j 16:43	13°♄10'31		conjunction	-2944 Jun 15 j 21:22	29°♄21'16	0°11'41
	-2950 Sep 06 j 15:20	15°♄		minimum elong	-2944 Jun 15 j 21:22	29°♄21'16	0°11'46
	-2950 Nov 27 j 05:53	0°♄		behind sun begin	-2944 Jun 15 j 15:40	29°♄18'08	
evening set	-2950 Dec 06 j 02:59	2°♄04'53		behind sun end	-2944 Jun 16 j 03:03	29°♄24'24	
				max. Earth dist.	-2944 Jun 16 j 04:01	29°♄24'55	6.31897 AU
conjunction	-2950 Dec 18 j 23:42	5°♄08'00	0°-19'-36		-2944 Jun 18 j 19:30	0°♄	
minimum elong	-2950 Dec 18 j 23:41	5°♄07'59	0°19'42	morning rise	-2944 Jun 29 j 09:02	2°♄19'33	
max. Earth dist.	-2950 Dec 18 j 23:05	5°♄07'38	6.05952 AU	retrograde	-2944 Oct 29 j 06:14	19°♄45'47	
morning rise	-2950 Dec 31 j 22:45	8°♄12'33		opposition	-2944 Dec 28 j 00:44	14°♄48'54	0°47'09
retrograde	-2949 May 11 j 19:11	28°♄09'13		min. Earth dist.	-2944 Dec 28 j 04:36	14°♄47'38	4.36161 AU
opposition	-2949 Jul 11 j 08:45	23°♄09'11	-1°-3'-28	direct	-2943 Feb 27 j 13:50	9°♄45'24	
min. Earth dist.	-2949 Jul 10 j 23:27	23°♄12'15	4.02315 AU	evening set	-2943 Jul 05 j 05:33	27°♄42'17	

Attention, astronomical year style is used: The year -2943 in astronomical counting style is the year 2944 BCE in historical counting style.

	-2943 Jul 15 j 18:22	0°♄		retrograde	-2937 May 16 j 21:10	3°♃07'09	
conjunction	-2943 Jul 18 j 11:07	0°♄35'23	0°51'03	opposition	-2937 Jul 01 j 17:31	30°♃♂	
minimum elong	-2943 Jul 18 j 11:04	0°♄35'21	0°51'08	min. Earth dist.	-2937 Jul 16 j 08:52	28°♂06'40	-1°-11'-39
max. Earth dist.	-2943 Jul 17 j 16:06	0°♄24'59	6.39198 AU	direct	-2937 Jul 15 j 21:13	28°♂10'31	4.01154 AU
morning rise	-2943 Jul 31 j 13:35	3°♄26'52			-2937 Sep 12 j 23:23	23°♂13'30	
retrograde	-2943 Nov 28 j 21:28	20°♄26'07		evening set	-2937 Nov 18 j 19:17	0°♃	
opposition	-2942 Jan 28 j 01:42	15°♄32'30	1°34'55		-2936 Jan 15 j 12:12	12°♃33'39	
min. Earth dist.	-2942 Jan 28 j 20:55	15°♄26'17	4.40857 AU	conjunction	-2936 Jan 28 j 16:56	15°♃43'09	-1°-4'-34
direct	-2942 Mar 31 j 12:16	10°♄29'31		minimum elong	-2936 Jan 28 j 16:53	15°♃43'07	1°04'41
evening set	-2942 Aug 05 j 19:58	28°♄17'00		max. Earth dist.	-2936 Jan 29 j 21:41	16°♃00'23	5.99428 AU
	-2942 Aug 13 j 16:47	0°♃		morning rise	-2936 Feb 11 j 01:07	18°♃54'28	
max. Earth dist.	-2942 Aug 17 j 05:11	0°♃46'13	6.40811 AU		-2936 Mar 31 j 23:31	0°♂	
				retrograde	-2936 Jun 22 j 09:11	9°♂21'03	
conjunction	-2942 Aug 18 j 16:49	1°♃05'46	1°15'25	min. Earth dist.	-2936 Aug 20 j 06:01	4°♂26'09	3.99752 AU
minimum elong	-2942 Aug 18 j 16:47	1°♃05'45	1°15'29	opposition	-2936 Aug 21 j 08:48	4°♂17'05	-1°-53'-32
morning rise	-2942 Aug 31 j 10:26	3°♃53'02			-2936 Sep 29 j 04:55	30°♃♂	
	-2942 Oct 26 j 11:30	15°♃		direct	-2936 Oct 18 j 07:55	29°♃22'14	
retrograde	-2942 Dec 29 j 19:05	20°♃51'56			-2936 Nov 06 j 11:37	0°♂	
opposition	-2941 Feb 28 j 10:20	16°♃00'10	1°56'17		-2935 Feb 04 j 06:48	15°♂	
min. Earth dist.	-2941 Mar 01 j 15:29	15°♃50'51	4.39412 AU	evening set	-2935 Feb 20 j 13:11	18°♂47'07	
	-2941 Mar 08 j 07:58	15°♃♂					
direct	-2941 May 02 j 03:18	10°♃58'55		conjunction	-2935 Mar 06 j 01:34	21°♂58'51	-1°-18'-58
	-2941 Jun 25 j 00:12	15°♃		minimum elong	-2935 Mar 06 j 01:34	21°♂58'51	1°19'03
evening set	-2941 Sep 05 j 18:44	28°♃49'45		max. Earth dist.	-2935 Mar 08 j 01:15	22°♂27'05	6.01737 AU
	-2941 Sep 11 j 01:42	0°♃		morning rise	-2935 Mar 19 j 16:39	25°♂11'56	
max. Earth dist.	-2941 Sep 16 j 12:40	1°♃12'47	6.36293 AU		-2935 Apr 09 j 13:00	0°♂	
				retrograde	-2935 Jul 25 j 18:18	15°♂17'06	
conjunction	-2941 Sep 18 j 09:24	1°♃37'41	1°18'49	min. Earth dist.	-2935 Sep 28 j 01:07	10°♂22'17	4.05603 AU
minimum elong	-2941 Sep 18 j 09:25	1°♃37'41	1°18'52	opposition	-2935 Sep 26 j 07:44	10°♂11'49	-1°-51'-26
morning rise	-2941 Sep 30 j 22:06	4°♃24'44		direct	-2935 Nov 23 j 11:58	5°♂13'54	
retrograde	-2940 Jan 30 j 21:55	21°♃49'01		evening set	-2934 Mar 29 j 16:28	24°♂23'24	
opposition	-2940 Mar 31 j 20:16	16°♃57'19	1°45'24				
min. Earth dist.	-2940 Apr 02 j 04:40	16°♃47'01	4.32109 AU	conjunction	-2934 Apr 12 j 10:06	27°♂33'33	-1°-3'-34
direct	-2940 Jun 02 j 04:19	11°♃58'32		minimum elong	-2934 Apr 12 j 10:09	27°♂33'35	1°03'34
evening set	-2940 Oct 05 j 20:51	0°♃04'42		max. Earth dist.	-2934 Apr 14 j 08:00	28°♂00'03	6.10536 AU
	-2940 Oct 05 j 12:32	0°♃			-2934 Apr 23 j 00:10	0°♂	
max. Earth dist.	-2940 Oct 16 j 18:08	2°♃33'01	6.26781 AU	morning rise	-2934 Apr 26 j 05:10	0°♂44'10	
				retrograde	-2934 Sep 01 j 01:55	19°♂54'30	
conjunction	-2940 Oct 18 j 10:05	2°♃55'46	0°59'33	opposition	-2934 Oct 30 j 12:57	14°♂50'39	-1°-9'-15
minimum elong	-2940 Oct 18 j 10:08	2°♃55'48	0°59'32	min. Earth dist.	-2934 Oct 29 j 12:04	14°♂59'08	4.16354 AU
morning rise	-2940 Oct 30 j 22:34	5°♃46'43		direct	-2934 Dec 28 j 15:57	9°♂49'38	
retrograde	-2939 Mar 04 j 17:47	23°♃58'10		evening set	-2933 May 04 j 17:21	28°♂31'29	
opposition	-2939 May 04 j 20:00	19°♃04'46	1°02'19		-2933 May 11 j 07:26	0°♂	
min. Earth dist.	-2939 May 05 j 19:57	18°♃57'07	4.20926 AU				
direct	-2939 Jul 05 j 02:04	14°♃08'51		conjunction	-2933 May 18 j 11:35	1°♂36'45	0°-26'-24
	-2939 Oct 26 j 09:16	0°♃		minimum elong	-2933 May 18 j 11:37	1°♂36'47	0°26'22
evening set	-2939 Nov 06 j 23:06	2°♃39'25		max. Earth dist.	-2933 May 19 j 16:06	1°♂52'47	6.22423 AU
				morning rise	-2933 Jun 01 j 04:57	4°♂41'23	
conjunction	-2939 Nov 19 j 14:58	5°♃36'33	0°21'11		-2933 Jul 20 j 20:04	15°♂	
minimum elong	-2939 Nov 19 j 15:00	5°♃36'34	0°21'08	retrograde	-2933 Oct 03 j 13:18	22°♂49'37	
max. Earth dist.	-2939 Nov 18 j 15:14	5°♃22'41	6.14945 AU	opposition	-2933 Dec 02 j 01:37	17°♂49'13	0°-6'-32
morning rise	-2939 Dec 02 j 07:57	8°♃34'30		min. Earth dist.	-2933 Dec 01 j 15:21	17°♂52'39	4.28170 AU
	-2939 Dec 30 j 20:08	15°♃			-2933 Dec 24 j 10:46	15°♃♂	
retrograde	-2938 Apr 09 j 15:04	27°♃45'22		asc. node	-2932 Jan 10 j 18:09	13°♂27'29	
desc. node	-2938 May 19 j 07:44	25°♃24'47		direct	-2932 Jan 31 j 13:09	12°♂46'12	
opposition	-2938 Jun 09 j 12:16	22°♃48'46	0°-3'-45		-2932 Mar 10 j 02:10	15°♂	
min. Earth dist.	-2938 Jun 09 j 20:41	22°♃46'02	4.09251 AU		-2932 Jun 02 j 11:43	0°♂	
direct	-2938 Aug 08 j 09:53	17°♃55'02		evening set	-2932 Jun 07 j 01:49	1°♂00'00	
	-2938 Nov 10 j 15:39	0°♂					
evening set	-2938 Dec 10 j 18:35	6°♂53'32		conjunction	-2932 Jun 20 j 14:51	3°♂58'34	0°17'52
				minimum elong	-2932 Jun 20 j 14:50	3°♂58'33	0°17'57
conjunction	-2938 Dec 23 j 16:15	9°♂57'41	0°-25'-48	max. Earth dist.	-2932 Jun 20 j 17:48	4°♂00'11	6.33297 AU
minimum elong	-2938 Dec 23 j 16:13	9°♂57'40	0°25'54	morning rise	-2932 Jul 04 j 01:23	6°♂55'45	
max. Earth dist.	-2938 Dec 23 j 18:24	9°♂58'58	6.04536 AU	retrograde	-2932 Nov 02 j 14:07	24°♂16'07	
morning rise	-2937 Jan 05 j 16:24	13°♂03'20		opposition	-2931 Jan 01 j 10:37	19°♂19'39	0°55'11
	-2937 Apr 01 j 09:25	0°♂		min. Earth dist.	-2931 Jan 01 j 16:20	19°♂17'46	4.37298 AU

Planetary Phenomena of Jupiter from -3400 through -2900 (UT), Astrodienst AG 14-Nov-2015 16:04, page 42

Attention, astronomical year style is used: The year -2931 in astronomical counting style is the year 2932 BCE in historical counting style.

direct	-2931 Mar 04 j 03:07	14°♄16'03		minimum elong	-2926 Dec 28 j 15:58	15°♄04'23	0°32'19
	-2931 Jun 29 j 15:49	0°♄		max. Earth dist.	-2926 Dec 28 j 21:28	15°♄07'40	6.03292 AU
evening set	-2931 Jul 09 j 18:17	2°♄10'13		morning rise	-2925 Jan 10 j 17:24	18°♄11'08	
					-2925 Mar 05 j 14:50	0°♄	
conjunction	-2931 Jul 22 j 22:35	5°♄02'28	0°55'35	retrograde	-2925 May 22 j 05:20	8°♄21'09	
minimum elong	-2931 Jul 22 j 22:32	5°♄02'26	0°55'41	opposition	-2925 Jul 21 j 15:24	3°♄20'08	-1°-19'-47
max. Earth dist.	-2931 Jul 22 j 01:37	4°♄51'01	6.39957 AU	min. Earth dist.	-2925 Jul 21 j 00:47	3°♄24'59	4.00424 AU
morning rise	-2931 Aug 04 j 23:33	7°♄53'03			-2925 Aug 18 j 09:03	30°♄	
retrograde	-2931 Dec 03 j 04:56	24°♄50'04		direct	-2925 Sep 18 j 02:55	28°♄26'55	
opposition	-2930 Feb 01 j 10:54	19°♄56'48	1°39'42		-2925 Oct 18 j 15:20	0°♄	
min. Earth dist.	-2930 Feb 02 j 07:56	19°♄50'01	4.41188 AU	evening set	-2924 Jan 20 j 17:02	17°♄49'13	
direct	-2930 Apr 04 j 23:36	14°♄54'00					
	-2930 Jul 28 j 18:25	0°♄		conjunction	-2924 Feb 02 j 23:00	20°♄59'19	-1°-8'-22
evening set	-2930 Aug 10 j 05:08	2°♄40'41		minimum elong	-2924 Feb 02 j 22:58	20°♄59'17	1°08'27
max. Earth dist.	-2930 Aug 21 j 09:44	5°♄07'35	6.40655 AU	max. Earth dist.	-2924 Feb 04 j 09:11	21°♄19'47	5.99297 AU
				morning rise	-2924 Feb 16 j 08:08	24°♄11'07	
conjunction	-2930 Aug 23 j 00:46	5°♄29'00	1°17'14		-2924 Mar 12 j 10:06	0°♄	
minimum elong	-2930 Aug 23 j 00:44	5°♄28'59	1°17'18	retrograde	-2924 Jun 27 j 16:14	14°♄37'17	
morning rise	-2930 Sep 04 j 17:33	8°♄15'58		min. Earth dist.	-2924 Aug 25 j 09:41	9°♄42'26	4.00278 AU
	-2930 Oct 06 j 18:31	15°♄		opposition	-2924 Aug 26 j 13:33	9°♄33'00	-1°-56'-2
retrograde	-2929 Jan 03 j 05:49	25°♄16'34		direct	-2924 Oct 23 j 12:12	4°♄37'51	
opposition	-2929 Mar 04 j 21:41	20°♄24'54	1°56'45		-2923 Jan 16 j 15:05	15°♄	
min. Earth dist.	-2929 Mar 06 j 04:25	20°♄15'05	4.38788 AU	evening set	-2923 Feb 25 j 20:09	24°♄01'04	
direct	-2929 May 06 j 14:45	15°♄23'53					
	-2929 Aug 26 j 03:09	0°♄		conjunction	-2923 Mar 11 j 09:16	27°♄12'40	-1°-18'-31
evening set	-2929 Sep 10 j 02:45	3°♄16'04		minimum elong	-2923 Mar 11 j 09:17	27°♄12'40	1°18'35
max. Earth dist.	-2929 Sep 20 j 21:03	5°♄39'39	6.35243 AU	max. Earth dist.	-2923 Mar 13 j 09:37	27°♄41'11	6.02847 AU
					-2923 Mar 23 j 05:37	0°♄	
conjunction	-2929 Sep 22 j 17:06	6°♄04'14	1°17'27	morning rise	-2923 Mar 25 j 01:16	0°♄25'34	
minimum elong	-2929 Sep 22 j 17:08	6°♄04'15	1°17'29	retrograde	-2923 Aug 02 j 16:06	20°♄23'28	
morning rise	-2929 Oct 05 j 05:20	8°♄51'34		min. Earth dist.	-2923 Sep 29 j 22:52	15°♄28'55	4.07180 AU
retrograde	-2928 Feb 04 j 12:17	26°♄21'15		opposition	-2923 Oct 01 j 06:13	15°♄18'12	-1°-47'-30
opposition	-2928 Apr 05 j 12:10	21°♄29'27	1°41'11	direct	-2923 Nov 28 j 12:34	10°♄19'49	
min. Earth dist.	-2928 Apr 06 j 19:40	21°♄19'27	4.30693 AU	evening set	-2922 Apr 03 j 20:01	29°♄24'42	
direct	-2928 Jun 06 j 16:35	16°♄31'06			-2922 Apr 06 j 09:43	0°♄	
	-2928 Sep 19 j 05:15	0°♄		conjunction	-2922 Apr 17 j 14:04	2°♄34'10	0°-59'-19
evening set	-2928 Oct 10 j 07:11	4°♄40'26		minimum elong	-2922 Apr 17 j 14:08	2°♄34'12	0°59'20
max. Earth dist.	-2928 Oct 21 j 05:11	7°♄09'46	6.25115 AU	max. Earth dist.	-2922 Apr 19 j 10:27	2°♄59'41	6.12446 AU
				morning rise	-2922 May 01 j 09:07	5°♄43'55	
conjunction	-2928 Oct 22 j 20:26	7°♄32'14	0°55'07	retrograde	-2922 Sep 05 j 18:18	24°♄44'09	
minimum elong	-2928 Oct 22 j 20:29	7°♄32'15	0°55'07	min. Earth dist.	-2922 Nov 03 j 06:05	19°♄48'17	4.18368 AU
morning rise	-2928 Nov 04 j 09:25	10°♄24'04		opposition	-2922 Nov 04 j 04:25	19°♄40'41	-1°-1'-9
retrograde	-2927 Mar 09 j 17:12	28°♄43'51		direct	-2921 Jan 02 j 13:00	14°♄39'18	
opposition	-2927 May 09 j 18:06	23°♄50'06	0°54'02		-2921 Apr 24 j 18:25	0°♄	
min. Earth dist.	-2927 May 10 j 17:01	23°♄42'46	4.19103 AU	evening set	-2921 May 09 j 14:19	3°♄15'41	
direct	-2927 Jul 09 j 20:16	18°♄54'32					
	-2927 Oct 09 j 00:57	0°♄		conjunction	-2921 May 23 j 08:08	6°♄19'57	0°-20'-19
evening set	-2927 Nov 11 j 14:43	7°♄29'37		minimum elong	-2921 May 23 j 08:10	6°♄19'58	0°20'17
max. Earth dist.	-2927 Nov 23 j 11:01	10°♄15'54	6.13149 AU	max. Earth dist.	-2921 May 24 j 09:32	6°♄34'10	6.24376 AU
				morning rise	-2921 Jun 06 j 00:48	9°♄23'26	
conjunction	-2927 Nov 24 j 07:24	10°♄27'52	0°14'44		-2921 Jul 01 j 23:17	15°♄	
minimum elong	-2927 Nov 24 j 07:25	10°♄27'52	0°14'40	retrograde	-2921 Oct 07 j 20:50	27°♄22'55	
behind sun begin	-2927 Nov 24 j 03:49	10°♄25'46		asc. node	-2921 Nov 21 j 03:37	24°♄22'35	
behind sun end	-2927 Nov 24 j 11:01	10°♄29'58		opposition	-2921 Dec 06 j 11:08	22°♄23'03	0°02'31
morning rise	-2927 Dec 07 j 01:15	13°♄26'59		min. Earth dist.	-2921 Dec 06 j 02:35	22°♄25'55	4.29896 AU
	-2927 Dec 13 j 17:34	15°♄		direct	-2920 Feb 05 j 02:15	17°♄19'51	
	-2926 Mar 02 j 17:45	0°♄			-2920 May 16 j 20:00	0°♄	
desc. node	-2926 Mar 28 j 18:12	2°♄19'31		evening set	-2920 Jun 11 j 16:14	5°♄29'35	
retrograde	-2926 Apr 14 j 19:21	2°♄46'49					
	-2926 May 28 j 08:21	30°♄		conjunction	-2920 Jun 25 j 04:08	8°♄27'08	0°23'44
opposition	-2926 Jun 14 j 15:49	27°♄49'48	0°-13'-54	minimum elong	-2920 Jun 25 j 04:07	8°♄27'07	0°23'49
min. Earth dist.	-2926 Jun 14 j 21:09	27°♄48'04	4.07657 AU	max. Earth dist.	-2920 Jun 25 j 02:36	8°♄26'17	6.34663 AU
direct	-2926 Aug 13 j 07:47	22°♄56'21		morning rise	-2920 Jul 08 j 13:25	11°♄23'14	
	-2926 Oct 21 j 12:45	0°♄		retrograde	-2920 Nov 06 j 20:51	28°♄38'32	
evening set	-2926 Dec 15 j 17:29	11°♄59'18		opposition	-2919 Jan 05 j 17:19	23°♄42'37	1°02'38
				min. Earth dist.	-2919 Jan 06 j 02:27	23°♄39'37	4.38213 AU
conjunction	-2926 Dec 28 j 16:01	15°♄04'25	0°-32'-14				

Attention, astronomical year style is used: The year -2919 in astronomical counting style is the year 2920 BCE in historical counting style.

direct	-2919 Mar 08 j 14:01	18° Π 39'01				-2914 Sep 22 j 04:15	0° \mathcal{A}		
	-2919 Jun 12 j 22:27	0° \mathcal{E}			evening set	-2914 Dec 20 j 18:14	17° \mathcal{A} 09'18		
evening set	-2919 Jul 14 j 03:44	6° \mathcal{E} 31'28							
max. Earth dist.	-2919 Jul 26 j 05:49	9° \mathcal{E} 09'23	6.40327 AU		conjunction	-2913 Jan 02 j 17:53	20° \mathcal{A} 15'14	0°-38'-29	
					minimum elong	-2913 Jan 02 j 17:50	20° \mathcal{A} 15'12	0°38'35	
conjunction	-2919 Jul 27 j 06:49	9° \mathcal{E} 23'02	0°59'41		max. Earth dist.	-2913 Jan 03 j 05:23	20° \mathcal{A} 22'07	6.02411 AU	
minimum elong	-2919 Jul 27 j 06:46	9° \mathcal{E} 23'00	0°59'46		morning rise	-2913 Jan 15 j 20:11	23° \mathcal{A} 22'47		
morning rise	-2919 Aug 09 j 06:37	12° \mathcal{E} 12'59				-2913 Feb 13 j 13:44	0° \mathcal{E}		
retrograde	-2919 Dec 07 j 10:53	29° \mathcal{E} 09'23			retrograde	-2913 May 27 j 14:53	13° \mathcal{E} 36'49		
opposition	-2918 Feb 05 j 18:09	24° \mathcal{E} 16'25	1°43'51		opposition	-2913 Jul 26 j 22:23	8° \mathcal{E} 35'14	-1°-27'-19	
min. Earth dist.	-2918 Feb 06 j 16:59	24° \mathcal{E} 09'02	4.41025 AU		min. Earth dist.	-2913 Jul 26 j 05:40	8° \mathcal{E} 40'48	4.00150 AU	
direct	-2918 Apr 09 j 07:25	19° \mathcal{E} 13'43			direct	-2913 Sep 23 j 07:23	3° \mathcal{E} 41'51		
	-2918 Jul 11 j 22:28	0° Ω			evening set	-2912 Jan 25 j 22:39	23° \mathcal{E} 04'33		
evening set	-2918 Aug 14 j 12:13	7° Ω 01'15							
max. Earth dist.	-2918 Aug 25 j 15:16	9° Ω 27'36	6.39959 AU		conjunction	-2912 Feb 08 j 05:27	26° \mathcal{E} 14'52	-1°-11'-37	
					minimum elong	-2912 Feb 08 j 05:24	26° \mathcal{E} 14'51	1°11'43	
conjunction	-2918 Aug 27 j 07:01	9° Ω 49'29	1°18'35		max. Earth dist.	-2912 Feb 09 j 17:40	26° \mathcal{E} 36'31	5.99603 AU	
minimum elong	-2918 Aug 27 j 07:00	9° Ω 49'28	1°18'40		morning rise	-2912 Feb 21 j 15:44	29° \mathcal{E} 26'57		
morning rise	-2918 Sep 08 j 22:52	12° Ω 36'22				-2912 Feb 23 j 23:33	0° \approx		
	-2918 Sep 19 j 23:55	15° Ω				-2912 May 06 j 18:26	15° \approx		
retrograde	-2917 Jan 07 j 16:02	29° Ω 40'36			retrograde	-2912 Jul 02 j 19:12	19° \approx 50'26		
opposition	-2917 Mar 09 j 08:47	24° Ω 49'03	1°56'34			-2912 Aug 29 j 22:58	15° \approx		
min. Earth dist.	-2917 Mar 10 j 16:25	24° Ω 38'58	4.37611 AU		min. Earth dist.	-2912 Aug 30 j 10:50	14° \approx 55'59	4.01147 AU	
direct	-2917 May 11 j 00:33	19° Ω 48'23			opposition	-2912 Aug 31 j 16:42	14° \approx 45'51	-1°-57'-34	
	-2917 Aug 08 j 22:10	0° \mathcal{M}			direct	-2912 Oct 28 j 14:49	9° \approx 50'16		
evening set	-2917 Sep 14 j 10:49	7° \mathcal{M} 43'34				-2912 Dec 25 j 03:34	15° \approx		
max. Earth dist.	-2917 Sep 25 j 03:08	10° \mathcal{M} 06'40	6.33667 AU		evening set	-2911 Mar 03 j 01:58	29° \approx 10'50		
						-2911 Mar 06 j 13:58	0° \mathcal{K}		
conjunction	-2917 Sep 27 j 00:41	10° \mathcal{M} 32'11	1°15'36						
minimum elong	-2917 Sep 27 j 00:43	10° \mathcal{M} 32'12	1°15'37		conjunction	-2911 Mar 16 j 15:58	2° \mathcal{K} 22'12	-1°-17'-28	
morning rise	-2917 Oct 09 j 12:57	13° \mathcal{M} 20'08			minimum elong	-2911 Mar 16 j 16:00	2° \mathcal{K} 22'13	1°17'31	
	-2916 Jan 15 j 09:07	0° \mathcal{L}			max. Earth dist.	-2911 Mar 18 j 16:56	2° \mathcal{K} 50'59	6.04181 AU	
retrograde	-2916 Feb 09 j 06:15	0° \mathcal{L} 57'03			morning rise	-2911 Mar 30 j 08:30	5° \mathcal{K} 34'43		
	-2916 Mar 05 j 04:36	30° \mathcal{R} \mathcal{M}			retrograde	-2911 Aug 07 j 14:33	25° \mathcal{K} 24'45		
opposition	-2916 Apr 10 j 05:30	26° \mathcal{M} 05'03	1°36'17		min. Earth dist.	-2911 Oct 04 j 21:25	20° \mathcal{K} 29'45	4.08816 AU	
min. Earth dist.	-2916 Apr 11 j 12:26	25° \mathcal{M} 55'12	4.28819 AU		opposition	-2911 Oct 06 j 03:06	20° \mathcal{K} 19'36	-1°-42'-51	
direct	-2916 Jun 11 j 06:39	21° \mathcal{M} 07'03			direct	-2911 Dec 03 j 13:44	15° \mathcal{K} 20'45		
	-2916 Sep 01 j 00:21	0° \mathcal{L}				-2910 Mar 20 j 12:04	0° \mathcal{Y}		
evening set	-2916 Oct 14 j 19:02	9° \mathcal{L} 20'56			evening set	-2910 Apr 08 j 22:02	4° \mathcal{Y} 21'07		
max. Earth dist.	-2916 Oct 25 j 20:42	11° \mathcal{L} 52'59	6.23124 AU						
					conjunction	-2910 Apr 22 j 16:23	7° \mathcal{Y} 29'55	0°-54'-43	
conjunction	-2916 Oct 27 j 08:46	12° \mathcal{L} 13'42	0°50'17		minimum elong	-2910 Apr 22 j 16:27	7° \mathcal{Y} 29'57	0°54'43	
minimum elong	-2916 Oct 27 j 08:49	12° \mathcal{L} 13'43	0°50'16		max. Earth dist.	-2910 Apr 24 j 11:22	7° \mathcal{Y} 54'31	6.14256 AU	
morning rise	-2916 Nov 08 j 22:09	15° \mathcal{L} 06'35			morning rise	-2910 May 06 j 11:22	10° \mathcal{Y} 38'50		
	-2915 Jan 24 j 06:34	0° \mathcal{M}			retrograde	-2910 Sep 10 j 07:21	29° \mathcal{Y} 29'39		
retrograde	-2915 Mar 14 j 17:41	3° \mathcal{M} 35'34			opposition	-2910 Nov 08 j 18:27	24° \mathcal{Y} 26'40	0°-52'-46	
	-2915 May 04 j 09:58	30° \mathcal{R} \mathcal{L}			min. Earth dist.	-2910 Nov 07 j 21:11	24° \mathcal{Y} 33'53	4.20181 AU	
opposition	-2915 May 14 j 18:26	28° \mathcal{L} 41'26	0°45'12		direct	-2909 Nov 07 j 06:16	19° \mathcal{Y} 24'59		
min. Earth dist.	-2915 May 15 j 14:48	28° \mathcal{L} 34'55	4.17146 AU			-2909 Apr 07 j 00:52	0° \mathcal{B}		
direct	-2915 Jul 14 j 15:18	23° \mathcal{L} 46'18			evening set	-2909 May 14 j 10:46	7° \mathcal{B} 57'02		
	-2915 Sep 18 j 08:30	0° \mathcal{M}							
evening set	-2915 Nov 16 j 08:52	12° \mathcal{M} 26'04			conjunction	-2909 May 28 j 03:55	11° \mathcal{B} 00'21	0°-14'-9	
	-2915 Nov 27 j 07:05	15° \mathcal{M}			minimum elong	-2909 May 28 j 03:56	11° \mathcal{B} 00'21	0°14'07	
max. Earth dist.	-2915 Nov 28 j 08:44	15° \mathcal{M} 15'07	6.11404 AU		behind sun begin	-2909 May 28 j 00:07	10° \mathcal{B} 58'14		
					behind sun end	-2909 May 28 j 07:44	11° \mathcal{B} 02'28		
conjunction	-2915 Nov 29 j 02:09	15° \mathcal{M} 25'22	0°08'04		max. Earth dist.	-2909 May 29 j 00:19	11° \mathcal{B} 11'43	6.26062 AU	
minimum elong	-2915 Nov 29 j 02:09	15° \mathcal{M} 25'22	0°08'00		morning rise	-2909 Jun 10 j 19:51	14° \mathcal{B} 02'47		
behind sun begin	-2915 Nov 28 j 18:57	15° \mathcal{M} 21'09				-2909 Jun 15 j 03:33	15° \mathcal{B}		
behind sun end	-2915 Nov 29 j 09:20	15° \mathcal{M} 29'35				-2909 Sep 07 j 08:37	0° \mathcal{I}		
morning rise	-2915 Dec 11 j 21:06	18° \mathcal{M} 25'41			asc. node	-2909 Oct 01 j 08:47	1° \mathcal{I} 43'06		
	-2914 Feb 03 j 12:09	0° \mathcal{A}			retrograde	-2909 Oct 12 j 06:47	1° \mathcal{I} 54'47		
desc. node	-2914 Feb 04 j 14:13	0° \mathcal{A} 12'06				-2909 Nov 15 j 23:17	30° \mathcal{R} \mathcal{B}		
retrograde	-2914 Apr 20 j 01:56	7° \mathcal{A} 54'04			opposition	-2909 Dec 10 j 20:36	26° \mathcal{B} 55'32	0°11'32	
opposition	-2914 Jun 19 j 21:39	2° \mathcal{A} 56'24	0°-24'-7		min. Earth dist.	-2909 Dec 10 j 15:35	26° \mathcal{B} 57'12	4.31320 AU	
min. Earth dist.	-2914 Jun 19 j 23:24	2° \mathcal{A} 55'50	4.06280 AU		direct	-2908 Feb 09 j 16:58	21° \mathcal{B} 52'11		
	-2914 Jul 14 j 03:27	30° \mathcal{R} \mathcal{M}				-2908 Apr 28 j 04:23	0° \mathcal{I}		
direct	-2914 Aug 18 j 09:19	28° \mathcal{M} 03'05			evening set	-2908 Jun 16 j 06:46	9° \mathcal{I} 59'01		

Planetary Phenomena of Jupiter from -3400 through -2900 (UT), Astrodienst AG 14-Nov-2015 16:04, page 44

Attention, astronomical year style is used: The year -2908 in astronomical counting style is the year 2909 BCE in historical counting style.

conjunction	-2908 Jun 29 j 17:41	12°II55'42	0°29'28	conjunction	-2903 Dec 03 j 20:33	20°ML21'43	0°01'24
minimum elong	-2908 Jun 29 j 17:39	12°II55'41	0°29'34	minimum elong	-2903 Dec 03 j 20:34	20°ML21'44	0°01'21
max. Earth dist.	-2908 Jun 29 j 13:07	12°II53'12	6.35716 AU	behind sun begin	-2903 Dec 03 j 12:31	20°ML17'00	
morning rise	-2908 Jul 13 j 01:38	15°II50'52		behind sun end	-2903 Dec 04 j 04:38	20°ML26'27	
	-2908 Sep 27 j 08:25	0°☾		max. Earth dist.	-2903 Dec 03 j 08:35	20°ML14'40	6.10138 AU
retrograde	-2908 Nov 11 j 02:19	3°☾02'18		desc. node	-2903 Dec 15 j 08:41	23°ML04'27	
	-2908 Dec 26 j 06:06	30°RII		morning rise	-2903 Dec 16 j 16:16	23°ML22'59	
opposition	-2907 Jan 10 j 00:58	28°II06'53	1°09'47		-2902 Jan 14 j 18:56	0°♁	
min. Earth dist.	-2907 Jan 10 j 11:36	28°II03'24	4.38856 AU	retrograde	-2902 Apr 25 j 07:42	12°♁57'53	
direct	-2907 Mar 12 j 23:25	23°II03'22		opposition	-2902 Jun 25 j 01:26	7°♁59'43	0°-33'-57
	-2907 May 24 j 15:53	0°☾		min. Earth dist.	-2902 Jun 25 j 00:53	7°♁59'53	4.05385 AU
evening set	-2907 Jul 18 j 14:08	10°☾54'56		direct	-2902 Aug 23 j 09:37	3°♁06'32	
max. Earth dist.	-2907 Jul 30 j 11:55	13°☾30'37	6.40500 AU	evening set	-2902 Dec 25 j 17:17	22°♁14'33	
conjunction	-2907 Jul 31 j 15:53	13°☾45'55	1°03'30	conjunction	-2901 Jan 07 j 17:40	25°♁21'03	0°-44'-17
minimum elong	-2907 Jul 31 j 15:50	13°☾45'53	1°03'34	minimum elong	-2901 Jan 07 j 17:37	25°♁21'01	0°44'23
morning rise	-2907 Aug 13 j 14:28	16°☾35'18		max. Earth dist.	-2901 Jan 08 j 07:48	25°♁29'30	6.01946 AU
	-2907 Oct 24 j 00:58	0°♁		morning rise	-2901 Jan 20 j 21:10	28°♁29'16	
retrograde	-2907 Dec 11 j 19:37	3°♁31'49			-2901 Jan 27 j 06:42	0°☾	
	-2906 Jan 30 j 12:34	30°R☾		retrograde	-2901 Jun 01 j 17:52	18°☾45'35	
opposition	-2906 Feb 10 j 03:10	28°☾39'14	1°47'30	min. Earth dist.	-2901 Jul 31 j 05:49	13°☾50'05	4.00188 AU
min. Earth dist.	-2906 Feb 11 j 04:24	28°☾31'07	4.40739 AU	opposition	-2901 Aug 01 j 01:41	13°☾43'27	-1°-33'-54
direct	-2906 Apr 13 j 18:08	23°☾36'50		direct	-2901 Sep 28 j 07:36	8°☾49'52	
	-2906 Jun 22 j 05:33	0°♁		evening set	-2900 Jan 31 j 00:52	28°☾12'06	
evening set	-2906 Aug 18 j 20:47	11°♁25'28			-2900 Feb 07 j 14:16	0°≈	
max. Earth dist.	-2906 Aug 29 j 20:37	13°♁50'25	6.39217 AU				
conjunction	-2906 Aug 31 j 14:41	14°♁13'37	1°19'32	conjunction	-2900 Feb 13 j 08:43	1°≈22'37	-1°-14'-12
minimum elong	-2906 Aug 31 j 14:40	14°♁13'36	1°19'36	minimum elong	-2900 Feb 13 j 08:41	1°≈22'36	1°14'18
	-2906 Sep 04 j 02:49	15°♁		max. Earth dist.	-2900 Feb 14 j 23:51	1°≈45'59	6.00116 AU
morning rise	-2906 Sep 13 j 05:51	17°♁00'30		morning rise	-2900 Feb 26 j 19:47	4°≈34'48	
	-2906 Nov 19 j 20:45	0°♁			-2900 Apr 13 j 15:22	15°≈	
retrograde	-2905 Jan 12 j 04:09	4°♁08'35		retrograde	-2900 Jul 07 j 20:19	24°≈54'57	
	-2905 Mar 08 j 06:30	30°R♁		min. Earth dist.	-2900 Sep 04 j 10:33	20°≈00'06	4.02076 AU
opposition	-2905 Mar 13 j 21:37	29°♁17'06	1°55'44	opposition	-2900 Sep 05 j 15:58	19°≈50'07	-1°-58'-8
min. Earth dist.	-2905 Mar 15 j 05:11	29°♁07'02	4.36487 AU		-2900 Oct 26 j 02:58	15°R≈	
direct	-2905 May 15 j 11:23	24°♁16'49		direct	-2900 Nov 02 j 16:07	14°≈54'05	
	-2905 Jul 19 j 09:17	0°♁			-2900 Nov 10 j 04:54	15°≈	
evening set	-2905 Sep 18 j 20:05	12°♁14'46					
max. Earth dist.	-2905 Sep 29 j 14:16	14°♁39'22	6.32269 AU				
conjunction	-2905 Oct 01 j 09:47	15°♁03'51	1°13'19				
minimum elong	-2905 Oct 01 j 09:49	15°♁03'52	1°13'20				
morning rise	-2905 Oct 13 j 21:49	17°♁52'18					
	-2905 Dec 13 j 04:33	0°♁					
retrograde	-2904 Feb 14 j 00:29	5°♁35'55					
opposition	-2904 Apr 15 j 00:09	0°♁43'47	1°30'45				
min. Earth dist.	-2904 Apr 16 j 06:11	0°♁34'14	4.27242 AU				
	-2904 Apr 20 j 18:17	30°R♁					
direct	-2904 Jun 15 j 22:01	25°♁46'19					
	-2904 Aug 09 j 04:04	0°♁					
evening set	-2904 Oct 19 j 07:35	14°♁03'36					
max. Earth dist.	-2904 Oct 30 j 10:45	16°♁37'08	6.21520 AU				
conjunction	-2904 Oct 31 j 21:28	16°♁57'09	0°45'07				
minimum elong	-2904 Oct 31 j 21:30	16°♁57'11	0°45'05				
morning rise	-2904 Nov 13 j 11:34	19°♁51'00					
	-2904 Dec 30 j 21:04	0°♁					
retrograde	-2903 Mar 19 j 17:40	8°♁27'57					
opposition	-2903 May 19 j 18:47	3°♁33'22	0°36'04				
min. Earth dist.	-2903 May 20 j 12:04	3°♁27'49	4.15632 AU				
	-2903 Jun 19 j 20:00	30°R♁					
direct	-2903 Jul 19 j 11:20	28°♁38'35					
	-2903 Aug 17 j 21:20	0°♁					
	-2903 Nov 10 j 22:41	15°♁					
evening set	-2903 Nov 21 j 02:26	17°♁21'33					