

Planetary Phenomena of Jupiter from -1400 through -900 (UT), Astrodienst AG 14-Nov-2015 16:09, page 1

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

opposition	-1400 Feb 06 j 14:01	5°♃24'28	1°34'26	conjunction	-1394 Feb 05 j 15:34	5°♃01'34	-1°-3'-54
min. Earth dist.	-1400 Feb 07 j 06:53	5°♃19'00	4.42030 AU	minimum elong	-1394 Feb 05 j 15:31	5°♃01'32	1°03'55
direct	-1400 Apr 08 j 22:45	0°♃21'22		max. Earth dist.	-1394 Feb 06 j 18:28	5°♃17'44	5.98430 AU
	-1400 Jul 30 j 17:47	15°♃		morning rise	-1394 Feb 18 j 22:17	8°♃12'44	
evening set	-1400 Aug 14 j 02:42	18°♃04'08			-1394 Mar 20 j 06:06	15°♃	
max. Earth dist.	-1400 Aug 25 j 13:10	20°♃33'26	6.42268 AU	retrograde	-1394 Jul 01 j 07:57	28°♃42'56	
				min. Earth dist.	-1394 Aug 29 j 05:38	23°♃48'08	3.98479 AU
conjunction	-1400 Aug 27 j 00:45	20°♃52'51	1°13'05	opposition	-1394 Aug 30 j 07:06	23°♃39'32	-1°-49'-24
minimum elong	-1400 Aug 27 j 00:43	20°♃52'50	1°13'06	direct	-1394 Oct 27 j 06:46	18°♃45'09	
morning rise	-1400 Sep 08 j 19:53	23°♃04'09			-1393 Jan 24 j 08:05	0°♃	
	-1400 Oct 09 j 00:40	0°♃		evening set	-1393 Mar 01 j 12:48	8°♃14'08	
retrograde	-1399 Jan 07 j 01:58	10°♃34'15					
opposition	-1399 Mar 08 j 15:35	5°♃42'09	1°50'11	conjunction	-1393 Mar 14 j 23:59	11°♃26'05	-1°-14'-20
min. Earth dist.	-1399 Mar 09 j 21:11	5°♃32'41	4.41034 AU	minimum elong	-1393 Mar 15 j 00:00	11°♃26'06	1°14'20
direct	-1399 May 10 j 09:03	0°♃40'23		max. Earth dist.	-1393 Mar 16 j 22:58	11°♃54'01	6.00314 AU
evening set	-1399 Sep 14 j 00:04	18°♃26'48		morning rise	-1393 Mar 28 j 14:24	14°♃39'33	
max. Earth dist.	-1399 Sep 24 j 19:02	20°♃49'38	6.37983 AU		-1393 Jun 10 j 22:51	0°♃	
				retrograde	-1393 Aug 06 j 21:35	4°♃51'18	
conjunction	-1399 Sep 26 j 16:22	21°♃14'44	1°13'14		-1393 Oct 03 j 20:52	30°♃	
minimum elong	-1399 Sep 26 j 16:23	21°♃14'45	1°13'14	min. Earth dist.	-1393 Oct 04 j 04:44	29°♃57'19	4.04158 AU
morning rise	-1399 Oct 09 j 06:12	24°♃01'40		opposition	-1393 Oct 05 j 13:50	29°♃46'01	-1°-42'-22
	-1399 Nov 06 j 05:01	0°♃		direct	-1393 Dec 02 j 15:57	24°♃48'45	
retrograde	-1398 Feb 07 j 20:14	11°♃18'55			-1392 Jan 29 j 17:38	0°♃	
opposition	-1398 Apr 09 j 17:40	6°♃27'16	1°35'41	evening set	-1392 Apr 06 j 16:44	14°♃00'40	
min. Earth dist.	-1398 Apr 11 j 03:30	6°♃16'31	4.33738 AU				
direct	-1398 Jun 11 j 03:01	1°♃27'52		conjunction	-1392 Apr 20 j 09:59	17°♃11'17	0°-56'-30
evening set	-1398 Oct 15 j 00:39	19°♃31'04		minimum elong	-1392 Apr 20 j 10:02	17°♃11'19	0°56'31
max. Earth dist.	-1398 Oct 25 j 17:47	21°♃56'28	6.28230 AU	max. Earth dist.	-1392 Apr 22 j 12:01	17°♃40'17	6.09215 AU
				morning rise	-1392 May 04 j 04:47	20°♃22'28	
conjunction	-1398 Oct 27 j 14:45	22°♃22'00	0°52'29		-1392 Jun 17 j 13:08	0°♃	
minimum elong	-1398 Oct 27 j 14:47	22°♃22'01	0°52'29	retrograde	-1392 Sep 09 j 13:38	9°♃39'47	
morning rise	-1398 Nov 09 j 04:03	25°♃12'43		min. Earth dist.	-1392 Nov 06 j 22:16	4°♃44'46	4.15241 AU
	-1398 Nov 30 j 19:45	0°♃		opposition	-1392 Nov 08 j 01:32	4°♃35'29	0°-58'-19
retrograde	-1397 Mar 13 j 12:10	13°♃16'43			-1392 Dec 21 j 07:47	30°♃	
opposition	-1397 May 13 j 11:09	8°♃23'46	0°52'05	direct	-1391 Jan 06 j 02:14	29°♃35'07	
min. Earth dist.	-1397 May 14 j 15:52	8°♃14'35	4.22064 AU		-1391 Jan 21 j 22:16	0°♃	
direct	-1397 Jul 13 j 21:50	3°♃27'07			-1391 Apr 27 j 23:03	15°♃	
	-1397 Oct 15 j 19:46	15°♃		evening set	-1391 May 12 j 19:15	18°♃17'08	
evening set	-1397 Nov 16 j 01:19	21°♃57'29					
max. Earth dist.	-1397 Nov 27 j 11:43	24°♃37'05	6.15690 AU	conjunction	-1391 May 26 j 13:34	21°♃22'49	0°-19'-20
				minimum elong	-1391 May 26 j 13:35	21°♃22'49	0°19'20
conjunction	-1397 Nov 28 j 17:26	24°♃54'25	0°14'54	max. Earth dist.	-1391 May 28 j 00:15	21°♃42'20	6.21597 AU
minimum elong	-1397 Nov 28 j 17:27	24°♃54'26	0°14'52	morning rise	-1391 Jun 09 j 07:24	24°♃28'01	
behind sun begin	-1397 Nov 28 j 14:04	24°♃52'28			-1391 Jul 04 j 17:31	0°♃	
behind sun end	-1397 Nov 28 j 20:49	24°♃56'24		retrograde	-1391 Oct 12 j 01:38	12°♃41'27	
morning rise	-1397 Dec 11 j 10:07	27°♃51'57		asc. node	-1391 Nov 24 j 03:00	9°♃49'35	
	-1397 Dec 20 j 16:24	0°♃		opposition	-1391 Dec 10 j 16:47	7°♃40'21	0°02'36
desc. node	-1396 Apr 11 j 01:03	16°♃53'39		min. Earth dist.	-1391 Dec 10 j 02:01	7°♃45'19	4.27684 AU
retrograde	-1396 Apr 17 j 04:26	16°♃57'14		direct	-1390 Feb 08 j 23:18	2°♃37'46	
opposition	-1396 Jun 17 j 00:31	12°♃01'28	0°-11'-11	evening set	-1390 Jun 16 j 05:51	20°♃50'03	
min. Earth dist.	-1396 Jun 17 j 13:01	11°♃57'26	4.09550 AU				
direct	-1396 Aug 16 j 01:36	7°♃07'20		conjunction	-1390 Jun 29 j 19:23	23°♃48'51	0°22'40
evening set	-1396 Dec 18 j 19:33	26°♃08'37		minimum elong	-1390 Jun 29 j 19:21	23°♃48'50	0°22'41
				max. Earth dist.	-1390 Jun 30 j 03:28	23°♃53'18	6.33183 AU
conjunction	-1396 Dec 31 j 16:19	29°♃12'28	0°-29'-14	morning rise	-1390 Jul 13 j 06:43	26°♃46'24	
minimum elong	-1396 Dec 31 j 16:16	29°♃12'27	0°29'17		-1390 Jul 28 j 05:41	0°♃	
max. Earth dist.	-1396 Dec 31 j 11:54	29°♃09'50	6.04366 AU	retrograde	-1390 Nov 12 j 04:52	14°♃09'09	
	-1395 Jan 03 j 23:56	0°♃		opposition	-1389 Jan 11 j 01:02	9°♃12'02	0°59'41
morning rise	-1395 Jan 13 j 15:25	2°♃17'43		min. Earth dist.	-1389 Jan 11 j 04:21	9°♃10'56	4.37538 AU
retrograde	-1395 May 24 j 13:18	22°♃20'21		direct	-1389 Mar 13 j 14:53	4°♃08'34	
opposition	-1395 Jul 24 j 00:04	17°♃20'42	-1°-13'-44	evening set	-1389 Jul 18 j 23:47	21°♃59'58	
min. Earth dist.	-1395 Jul 23 j 15:43	17°♃23'28	4.00520 AU	max. Earth dist.	-1389 Jul 31 j 11:20	24°♃42'41	6.40529 AU
direct	-1395 Sep 20 j 18:16	12°♃27'30					
	-1394 Jan 15 j 15:21	0°♃		conjunction	-1389 Aug 01 j 05:09	24°♃52'23	0°56'40
evening set	-1394 Jan 23 j 11:52	1°♃52'05		minimum elong	-1389 Aug 01 j 05:06	24°♃52'21	0°56'41

Planetary Phenomena of Jupiter from -1400 through -900 (UT), Astrodienst AG 14-Nov-2015 16:09, page 2

Attention, astronomical year style is used: The year -1389 in astronomical counting style is the year 1390 BCE in historical counting style.

morning rise	-1389 Aug 14 j 07:25	27°♄43'14		direct	-1383 Sep 25 j 21:37	17°♃40'18	
	-1389 Aug 24 j 22:17	0°♃			-1383 Dec 28 j 23:39	0°♁	
retrograde	-1389 Dec 12 j 15:36	14°♃39'29		evening set	-1382 Jan 28 j 15:52	7°♁05'45	
opposition	-1388 Feb 10 j 21:26	9°♃45'39	1°38'19				
min. Earth dist.	-1388 Feb 11 j 16:20	9°♃39'32	4.42051 AU	conjunction	-1382 Feb 10 j 20:22	10°♁15'36	-1°-7'-4
direct	-1388 Apr 13 j 07:15	4°♃42'37		minimum elong	-1382 Feb 10 j 20:20	10°♁15'35	1°07'07
	-1388 Jul 13 j 13:45	15°♃		max. Earth dist.	-1382 Feb 12 j 01:32	10°♁33'08	5.98473 AU
evening set	-1388 Aug 18 j 11:11	22°♃25'59		morning rise	-1382 Feb 24 j 04:18	13°♁27'14	
max. Earth dist.	-1388 Aug 29 j 19:43	24°♃54'27	6.41772 AU		-1382 Mar 02 j 16:41	15°♁	
					-1382 May 16 j 10:25	0°♁	
conjunction	-1388 Aug 31 j 08:23	25°♃14'30	1°14'21	retrograde	-1382 Jul 06 j 11:46	3°♁56'35	
minimum elong	-1388 Aug 31 j 08:22	25°♃14'30	1°14'22		-1382 Aug 27 j 02:44	30°♁	
morning rise	-1388 Sep 13 j 02:30	28°♃01'37		min. Earth dist.	-1382 Sep 03 j 07:21	29°♁02'11	3.99076 AU
	-1388 Sep 22 j 05:56	0°♁		opposition	-1382 Sep 04 j 11:10	28°♁52'47	-1°-51'-4
retrograde	-1387 Jan 11 j 11:43	14°♁58'21		direct	-1382 Nov 01 j 09:36	23°♁58'04	
opposition	-1387 Mar 13 j 02:18	10°♁06'27	1°49'59		-1381 Jan 02 j 21:58	0°♁	
min. Earth dist.	-1387 Mar 14 j 08:57	9°♁56'39	4.40069 AU	evening set	-1381 Mar 06 j 18:01	13°♁25'04	
direct	-1387 May 14 j 19:11	5°♁05'01					
evening set	-1387 Sep 18 j 08:51	22°♁54'01		conjunction	-1381 Mar 20 j 06:18	16°♁36'59	-1°-13'-26
max. Earth dist.	-1387 Sep 29 j 01:20	25°♁16'03	6.36616 AU	minimum elong	-1381 Mar 20 j 06:19	16°♁37'00	1°13'27
				max. Earth dist.	-1381 Mar 22 j 07:12	17°♁05'58	6.01399 AU
conjunction	-1387 Oct 01 j 00:30	25°♁42'16	1°11'30	morning rise	-1381 Apr 02 j 21:22	19°♁50'15	
minimum elong	-1387 Oct 01 j 00:32	25°♁42'17	1°11'29		-1381 May 18 j 18:50	0°♁	
morning rise	-1387 Oct 13 j 14:12	28°♁29'39		retrograde	-1381 Aug 11 j 21:55	9°♁55'29	
	-1387 Oct 20 j 10:27	0°♁		min. Earth dist.	-1381 Oct 09 j 04:20	5°♁01'06	4.05602 AU
retrograde	-1386 Feb 12 j 13:07	15°♁53'05		opposition	-1381 Oct 10 j 12:14	4°♁50'13	-1°-38'-1
opposition	-1386 Apr 14 j 10:06	11°♁01'20	1°31'06		-1381 Nov 29 j 05:03	30°♁	
min. Earth dist.	-1386 Apr 15 j 19:51	10°♁50'36	4.32059 AU	direct	-1381 Dec 07 j 17:43	29°♁52'31	
direct	-1386 Jun 15 j 17:02	6°♁02'18			-1381 Dec 16 j 05:56	0°♁	
evening set	-1386 Oct 19 j 12:18	24°♁09'33		evening set	-1380 Apr 11 j 19:19	19°♁00'20	
max. Earth dist.	-1386 Oct 30 j 08:21	26°♁37'11	6.26399 AU				
				conjunction	-1380 Apr 25 j 13:01	22°♁10'25	0°-52'-9
conjunction	-1386 Nov 01 j 02:39	27°♁01'18	0°47'57	minimum elong	-1380 Apr 25 j 13:05	22°♁10'27	0°52'09
minimum elong	-1386 Nov 01 j 02:42	27°♁01'19	0°47'56	max. Earth dist.	-1380 Apr 27 j 14:03	22°♁38'43	6.10895 AU
morning rise	-1386 Nov 13 j 16:06	29°♁52'53		morning rise	-1380 May 09 j 08:03	25°♁20'56	
	-1386 Nov 14 j 04:40	0°♁			-1380 May 30 j 01:16	0°♁	
retrograde	-1385 Jan 31 j 19:15	15°♁		retrograde	-1380 Sep 14 j 04:21	14°♁29'16	
	-1385 Mar 18 j 10:45	18°♁05'17		opposition	-1380 Nov 12 j 17:00	9°♁25'22	0°-50'-18
	-1385 May 03 j 23:48	15°♁		min. Earth dist.	-1380 Nov 11 j 14:32	9°♁34'22	4.16990 AU
opposition	-1385 May 18 j 10:11	13°♁12'01	0°43'51	direct	-1379 Jan 10 j 20:25	4°♁24'39	
min. Earth dist.	-1385 May 19 j 12:25	13°♁03'38	4.20215 AU		-1379 Apr 10 j 02:37	15°♁	
direct	-1385 Jul 18 j 15:50	8°♁15'51		evening set	-1379 May 17 j 16:57	23°♁02'28	
	-1385 Sep 25 j 16:29	15°♁					
evening set	-1385 Nov 20 j 18:15	26°♁50'33		conjunction	-1379 May 31 j 10:50	26°♁07'17	0°-13'-26
max. Earth dist.	-1385 Dec 02 j 07:50	29°♁32'39	6.13985 AU	minimum elong	-1379 May 31 j 10:51	26°♁07'17	0°13'27
				behind sun begin	-1379 May 31 j 06:22	26°♁04'47	
conjunction	-1385 Dec 03 j 10:45	29°♁48'25	0°08'40	behind sun end	-1379 May 31 j 15:20	26°♁09'47	
minimum elong	-1385 Dec 03 j 10:45	29°♁48'25	0°08'39	max. Earth dist.	-1379 Jun 01 j 16:52	26°♁24'08	6.23285 AU
behind sun begin	-1385 Dec 03 j 03:46	29°♁44'21		morning rise	-1379 Jun 14 j 04:06	29°♁11'30	
behind sun end	-1385 Dec 03 j 17:44	29°♁52'29			-1379 Jun 17 j 19:30	0°♁	
	-1385 Dec 04 j 06:33	0°♁		asc. node	-1379 Oct 04 j 02:39	17°♁02'02	
morning rise	-1385 Dec 16 j 04:18	2°♁47'01		retrograde	-1379 Oct 16 j 12:45	17°♁17'10	
desc. node	-1384 Feb 18 j 19:39	16°♁13'51		opposition	-1379 Dec 15 j 03:15	12°♁16'39	0°11'13
retrograde	-1384 Apr 22 j 10:01	22°♁00'47		min. Earth dist.	-1379 Dec 14 j 15:57	12°♁20'26	4.29161 AU
opposition	-1384 Jun 22 j 05:20	17°♁04'28	0°-20'-46	direct	-1378 Feb 13 j 15:02	7°♁13'52	
min. Earth dist.	-1384 Jun 22 j 14:43	17°♁01'26	4.08122 AU	evening set	-1378 Jun 20 j 21:55	25°♁23'09	
direct	-1384 Aug 21 j 02:26	12°♁10'33					
	-1384 Dec 18 j 11:24	0°♁		conjunction	-1378 Jul 04 j 10:36	28°♁21'07	0°28'08
evening set	-1384 Dec 23 j 18:25	1°♁15'06		minimum elong	-1378 Jul 04 j 10:34	28°♁21'06	0°28'09
				max. Earth dist.	-1378 Jul 04 j 15:32	28°♁23'49	6.34338 AU
conjunction	-1383 Jan 05 j 16:07	4°♁19'47	0°-35'-8		-1378 Jul 11 j 22:41	0°♁	
minimum elong	-1383 Jan 05 j 16:05	4°♁19'45	0°35'12	morning rise	-1378 Jul 17 j 20:43	1°♁17'43	
max. Earth dist.	-1383 Jan 05 j 17:22	4°♁20'32	6.03346 AU	retrograde	-1378 Nov 16 j 10:50	18°♁35'55	
morning rise	-1383 Jan 18 j 16:04	7°♁25'52		opposition	-1377 Jan 15 j 09:05	13°♁39'19	1°06'29
retrograde	-1383 May 29 j 22:20	27°♁33'41		min. Earth dist.	-1377 Jan 15 j 14:02	13°♁37'41	4.38317 AU
opposition	-1383 Jul 29 j 06:55	22°♁33'30	-1°-20'-57	direct	-1377 Mar 18 j 00:59	8°♁35'52	
min. Earth dist.	-1383 Jul 28 j 20:02	22°♁37'06	4.00031 AU	evening set	-1377 Jul 23 j 11:33	26°♁26'10	

Planetary Phenomena of Jupiter from -1400 through -900 (UT), Astrodienst AG 14-Nov-2015 16:09, page 3

Attention, astronomical year style is used: The year -1377 in astronomical counting style is the year 1378 BCE in historical counting style.

conjunction	-1377 Aug 05 j 15:40	29°☉17'57	1°00'17	max. Earth dist.	-1371 Jan 10 j 17:48	9°☾24'26	6.02677 AU
minimum elong	-1377 Aug 05 j 15:37	29°☉17'55	1°00'18	morning rise	-1371 Jan 23 j 15:05	12°☾28'59	
max. Earth dist.	-1377 Aug 04 j 18:31	29°☉06'25	6.40867 AU		-1371 Apr 23 j 05:37	0°≈	
	-1377 Aug 08 j 20:49	0°♁		retrograde	-1371 Jun 04 j 01:19	2°≈40'25	
morning rise	-1377 Aug 18 j 16:44	2°♁08'11			-1371 Jul 16 j 01:52	30°♁☾	
	-1377 Oct 25 j 10:26	15°♁		opposition	-1371 Aug 03 j 10:21	27°☾39'37	-1°-27'-19
retrograde	-1377 Dec 17 j 00:14	19°♁03'40		min. Earth dist.	-1371 Aug 02 j 20:11	27°☾44'20	3.99802 AU
	-1376 Feb 08 j 19:29	15°♁♁		direct	-1371 Sep 30 j 21:41	22°☾46'17	
opposition	-1376 Feb 15 j 06:18	14°♁10'15	1°41'44		-1371 Dec 09 j 02:28	0°≈	
min. Earth dist.	-1376 Feb 16 j 03:47	14°♁03'19	4.41949 AU	evening set	-1370 Feb 02 j 16:49	12°≈11'52	
direct	-1376 Apr 17 j 18:36	9°♁07'27			-1370 Feb 14 j 09:40	15°≈	
	-1376 Jun 23 j 04:18	15°♁		conjunction	-1370 Feb 15 j 22:27	15°≈22'04	-1°-9'-37
evening set	-1376 Aug 22 j 20:43	26°♁51'32		minimum elong	-1370 Feb 15 j 22:25	15°≈22'03	1°09'39
max. Earth dist.	-1376 Sep 03 j 01:40	29°♁18'22	6.41226 AU	max. Earth dist.	-1370 Feb 17 j 07:28	15°≈41'53	5.98691 AU
				morning rise	-1370 Mar 01 j 07:12	18°≈33'58	
conjunction	-1376 Sep 04 j 16:58	29°♁39'54	1°15'14		-1370 Apr 21 j 21:57	0°✕	
minimum elong	-1376 Sep 04 j 16:57	29°♁39'53	1°15'13	retrograde	-1370 Jul 11 j 14:23	9°✕01'44	
	-1376 Sep 06 j 05:40	0°♁		min. Earth dist.	-1370 Sep 08 j 07:55	4°✕07'00	3.99721 AU
morning rise	-1376 Sep 17 j 10:19	2°♁26'54		opposition	-1370 Sep 09 j 11:41	3°✕57'36	-1°-51'-48
retrograde	-1375 Jan 15 j 22:51	19°♁26'26			-1370 Oct 13 j 17:28	30°♁≈	
opposition	-1375 Mar 17 j 14:22	14°♁34'39	1°49'10	direct	-1370 Nov 06 j 11:08	29°≈02'30	
min. Earth dist.	-1375 Mar 18 j 21:21	14°♁24'45	4.39148 AU		-1370 Nov 30 j 04:20	0°✕	
direct	-1375 May 19 j 06:14	9°♁33'32		evening set	-1369 Mar 11 j 20:07	18°✕27'28	
evening set	-1375 Sep 22 j 18:27	27°♁24'47					
max. Earth dist.	-1375 Oct 03 j 12:14	29°♁47'58	6.35413 AU	conjunction	-1369 Mar 25 j 09:17	21°✕39'20	-1°-12'-1
	-1375 Oct 04 j 09:50	0°♁		minimum elong	-1369 Mar 25 j 09:19	21°✕39'22	1°12'02
conjunction	-1375 Oct 05 j 09:47	0°♁13'22	1°09'20	max. Earth dist.	-1369 Mar 27 j 10:55	22°✕08'39	6.02401 AU
minimum elong	-1375 Oct 05 j 09:49	0°♁13'23	1°09'21	morning rise	-1369 Apr 08 j 01:13	24°✕52'29	
morning rise	-1375 Oct 17 j 23:03	3°♁01'07			-1369 Apr 30 j 09:30	0°♁	
retrograde	-1374 Feb 17 j 05:28	20°♁30'06		retrograde	-1369 Aug 16 j 16:58	14°♁51'24	
opposition	-1374 Apr 19 j 03:27	15°♁38'17	1°25'57	min. Earth dist.	-1369 Oct 13 j 22:56	9°♁57'09	4.06864 AU
min. Earth dist.	-1374 Apr 20 j 12:30	15°♁27'46	4.30654 AU	opposition	-1369 Oct 15 j 06:59	9°♁46'13	-1°-33'-8
direct	-1374 Jun 20 j 07:55	10°♁39'43		direct	-1369 Dec 12 j 13:32	4°♁48'06	
evening set	-1374 Oct 24 j 00:15	28°♁49'50		evening set	-1368 Apr 16 j 19:23	23°♁52'47	
	-1374 Oct 29 j 03:41	0°♁					
max. Earth dist.	-1374 Nov 03 j 21:08	1°♁18'31	6.24918 AU	conjunction	-1368 Apr 30 j 13:25	27°♁02'24	0°-47'-34
				minimum elong	-1368 Apr 30 j 13:29	27°♁02'26	0°47'33
conjunction	-1374 Nov 05 j 14:32	1°♁42'12	0°43'09	max. Earth dist.	-1368 May 02 j 11:07	27°♁28'41	6.12316 AU
minimum elong	-1374 Nov 05 j 14:34	1°♁42'13	0°43'07		-1368 May 13 j 11:02	0°♁	
morning rise	-1374 Nov 18 j 04:27	4°♁34'34		morning rise	-1368 May 14 j 08:41	0°♁12'21	
	-1373 Jan 06 j 11:47	15°♁			-1368 Jul 27 j 22:02	15°♁	
retrograde	-1373 Mar 23 j 09:15	22°♁54'12		retrograde	-1368 Sep 18 j 18:25	19°♁12'53	
opposition	-1373 May 23 j 09:06	18°♁00'32	0°35'23		-1368 Nov 11 j 00:41	15°♁	
min. Earth dist.	-1373 May 24 j 08:53	17°♁52'55	4.18749 AU	min. Earth dist.	-1368 Nov 16 j 06:33	14°♁17'28	4.18420 AU
	-1373 Jun 17 j 16:33	15°♁♁		opposition	-1368 Nov 17 j 06:24	14°♁09'22	0°-42'-11
direct	-1373 Jul 23 j 11:15	13°♁04'42		direct	-1367 Jan 15 j 14:17	9°♁08'17	
	-1373 Aug 27 j 20:22	15°♁			-1367 Mar 20 j 07:59	15°♁	
	-1373 Nov 18 j 01:41	0°♁		evening set	-1367 May 22 j 12:40	27°♁43'01	
evening set	-1373 Nov 25 j 10:22	1°♁42'18			-1367 Jun 01 j 18:07	0°♁	
max. Earth dist.	-1373 Dec 07 j 05:30	4°♁28'03	6.12684 AU	conjunction	-1367 Jun 05 j 06:22	0°♁47'09	0°-7'-35
				minimum elong	-1367 Jun 05 j 06:22	0°♁47'09	0°07'34
conjunction	-1373 Dec 08 j 03:31	4°♁40'58	0°02'28	behind sun begin	-1367 Jun 04 j 22:50	0°♁42'58	
minimum elong	-1373 Dec 08 j 03:30	4°♁40'57	0°02'27	behind sun end	-1367 Jun 05 j 13:54	0°♁51'21	
behind sun begin	-1373 Dec 07 j 19:29	4°♁36'17		max. Earth dist.	-1367 Jun 06 j 10:27	1°♁02'52	6.24640 AU
behind sun end	-1373 Dec 08 j 11:31	4°♁45'38		morning rise	-1367 Jun 18 j 22:52	3°♁50'30	
morning rise	-1373 Dec 20 j 21:35	7°♁40'24		asc. node	-1367 Aug 14 j 21:09	15°♁23'32	
desc. node	-1373 Dec 29 j 18:19	9°♁43'41		retrograde	-1367 Oct 20 j 21:03	21°♁49'40	
retrograde	-1372 Apr 27 j 14:02	27°♁00'54		opposition	-1367 Dec 19 j 12:49	16°♁49'43	0°19'37
opposition	-1372 Jun 27 j 08:09	22°♁04'06	0°-29'-59	min. Earth dist.	-1367 Dec 19 j 02:52	16°♁53'02	4.30342 AU
min. Earth dist.	-1372 Jun 27 j 15:08	22°♁01'50	4.07101 AU	direct	-1366 Feb 18 j 03:31	11°♁46'49	
direct	-1372 Aug 26 j 01:25	17°♁10'23		evening set	-1366 Jun 25 j 13:16	29°♁53'57	
	-1372 Dec 01 j 10:36	0°♁			-1366 Jun 26 j 00:23	0°♁	
evening set	-1372 Dec 28 j 15:43	6°♁16'55		conjunction	-1366 Jul 09 j 00:46	2°♁51'05	0°33'23
				minimum elong	-1366 Jul 09 j 00:44	2°♁51'04	0°33'23
conjunction	-1371 Jan 10 j 14:02	9°♁22'10	0°-40'-38				
minimum elong	-1371 Jan 10 j 13:59	9°♁22'09	0°40'40				

Planetary Phenomena of Jupiter from -1400 through -900 (UT), Astrodienst AG 14-Nov-2015 16:09, page 4

Attention, astronomical year style is used: The year -1366 in astronomical counting style is the year 1367 BCE in historical counting style.

max. Earth dist.	-1366 Jul 09 j 01:02	2°♄51'13	6.35262 AU	opposition	-1360 Jul 02 j 10:54	27°♂03'56	0°-39'-5
morning rise	-1366 Jul 22 j 09:52	5°♄46'51		min. Earth dist.	-1360 Jul 02 j 14:24	27°♂02'47	4.05719 AU
retrograde	-1366 Nov 20 j 19:04	23°♄01'18		direct	-1360 Aug 30 j 22:32	22°♂10'22	
opposition	-1365 Jan 19 j 17:17	18°♄05'12	1°12'49		-1360 Nov 12 j 01:33	0°♄	
min. Earth dist.	-1365 Jan 20 j 01:13	18°♄02'36	4.38944 AU	evening set	-1359 Jan 02 j 13:40	11°♄20'38	
direct	-1365 Mar 22 j 13:27	13°♄01'47					
	-1365 Jul 24 j 00:03	0°♄		conjunction	-1359 Jan 15 j 13:00	14°♄26'47	0°-45'-53
evening set	-1365 Jul 27 j 22:53	0°♄51'06		minimum elong	-1359 Jan 15 j 12:57	14°♄26'45	0°45'55
max. Earth dist.	-1365 Aug 09 j 03:02	3°♄29'50	6.41143 AU	max. Earth dist.	-1359 Jan 15 j 21:49	14°♄32'04	6.01614 AU
				morning rise	-1359 Jan 28 j 14:56	17°♄34'29	
conjunction	-1365 Aug 10 j 01:58	3°♄42'20	1°03'30		-1359 Mar 26 j 12:30	0°♄	
minimum elong	-1365 Aug 10 j 01:55	3°♄42'18	1°03'31	retrograde	-1359 Jun 09 j 08:48	7°♄51'17	
morning rise	-1365 Aug 23 j 01:44	6°♄31'58		opposition	-1359 Aug 08 j 15:15	2°♄49'59	-1°-33'-10
	-1365 Oct 03 j 09:52	15°♄		min. Earth dist.	-1359 Aug 07 j 23:43	2°♄55'09	3.99180 AU
retrograde	-1365 Dec 21 j 06:48	23°♄26'47			-1359 Aug 31 j 08:57	30°♄	
opposition	-1364 Feb 19 j 15:10	18°♄33'38	1°44'31	direct	-1359 Oct 06 j 00:24	27°♄56'32	
min. Earth dist.	-1364 Feb 20 j 13:07	18°♄26'33	4.41883 AU		-1359 Nov 10 j 06:38	0°♄	
	-1364 Mar 21 j 10:13	15°♄			-1358 Jan 28 j 17:09	15°♄	
direct	-1364 Apr 22 j 03:56	13°♄31'01		evening set	-1358 Feb 07 j 20:28	17°♄24'01	
	-1364 May 24 j 04:20	15°♄					
	-1364 Aug 21 j 10:19	0°♄		conjunction	-1358 Feb 21 j 03:08	20°♄34'45	-1°-11'-42
evening set	-1364 Aug 27 j 05:34	1°♄15'22		minimum elong	-1358 Feb 21 j 03:06	20°♄34'45	1°11'43
max. Earth dist.	-1364 Sep 07 j 08:36	3°♄41'25	6.40802 AU	max. Earth dist.	-1358 Feb 22 j 14:59	20°♄56'15	5.98548 AU
				morning rise	-1358 Mar 06 j 13:06	23°♄47'13	
conjunction	-1364 Sep 09 j 00:51	4°♄03'30	1°15'39		-1358 Apr 02 j 09:14	0°♄	
minimum elong	-1364 Sep 09 j 00:50	4°♄03'29	1°15'39	retrograde	-1358 Jul 16 j 18:44	14°♄14'26	
morning rise	-1364 Sep 21 j 17:23	6°♄50'21		min. Earth dist.	-1358 Sep 13 j 08:44	9°♄20'08	4.00103 AU
retrograde	-1363 Jan 20 j 09:57	23°♄52'18		opposition	-1358 Sep 14 j 14:28	9°♄10'03	-1°-51'-43
opposition	-1363 Mar 22 j 02:21	19°♄00'36	1°47'41	direct	-1358 Nov 11 j 12:32	4°♄14'37	
min. Earth dist.	-1363 Mar 23 j 10:38	18°♄50'18	4.38370 AU	evening set	-1357 Mar 17 j 01:54	23°♄38'45	
direct	-1363 May 23 j 18:35	13°♄59'49					
	-1363 Sep 18 j 14:14	0°♄		conjunction	-1357 Mar 30 j 15:58	26°♄50'39	-1°-10'00
evening set	-1363 Sep 27 j 02:47	1°♄52'32		minimum elong	-1357 Mar 30 j 16:01	26°♄50'40	1°10'01
max. Earth dist.	-1363 Oct 07 j 19:08	4°♄15'21	6.34311 AU	max. Earth dist.	-1357 Apr 01 j 17:22	27°♄19'46	6.03260 AU
				morning rise	-1357 Apr 13 j 08:45	0°♄03'45	
conjunction	-1363 Oct 09 j 17:41	4°♄41'22	1°06'47		-1357 Apr 13 j 02:20	0°♄	
minimum elong	-1363 Oct 09 j 17:43	4°♄41'23	1°06'47	retrograde	-1357 Aug 21 j 15:39	19°♄56'44	
morning rise	-1363 Oct 22 j 06:50	7°♄29'31		min. Earth dist.	-1357 Oct 18 j 21:51	15°♄02'18	4.08098 AU
retrograde	-1362 Feb 21 j 20:36	25°♄03'58		opposition	-1357 Oct 20 j 05:08	14°♄51'36	-1°-27'-26
opposition	-1362 Apr 23 j 19:52	20°♄11'55	1°20'18	direct	-1357 Dec 17 j 14:34	9°♄53'03	
min. Earth dist.	-1362 Apr 25 j 03:41	20°♄01'48	4.29272 AU	evening set	-1356 Apr 21 j 22:53	28°♄54'32	
direct	-1362 Jun 24 j 21:15	15°♄13'42			-1356 Apr 26 j 17:32	0°♄	
	-1362 Oct 13 j 02:00	0°♄					
evening set	-1362 Oct 28 j 10:55	3°♄26'47		conjunction	-1356 May 05 j 17:25	2°♄03'40	0°-42'-29
max. Earth dist.	-1362 Nov 08 j 11:06	5°♄57'51	6.23370 AU	minimum elong	-1356 May 05 j 17:28	2°♄03'42	0°42'29
				max. Earth dist.	-1356 May 07 j 15:25	2°♄30'02	6.13864 AU
conjunction	-1362 Nov 10 j 01:28	6°♄19'53	0°38'06	morning rise	-1356 May 19 j 12:33	5°♄12'55	
minimum elong	-1362 Nov 10 j 01:31	6°♄19'54	0°38'05		-1356 Jul 04 j 06:45	15°♄	
morning rise	-1362 Nov 22 j 15:36	9°♄13'02		retrograde	-1356 Sep 23 j 10:29	24°♄04'51	
	-1362 Dec 18 j 16:16	15°♄		opposition	-1356 Nov 21 j 22:47	19°♄01'47	0°-33'-33
retrograde	-1361 Mar 28 j 07:59	27°♄40'25		min. Earth dist.	-1356 Nov 20 j 23:41	19°♄09'36	4.20145 AU
opposition	-1361 May 28 j 07:02	22°♄46'26	0°26'42		-1356 Dec 26 j 19:01	15°♄	
min. Earth dist.	-1361 May 29 j 05:44	22°♄39'10	4.17120 AU	direct	-1355 Jan 20 j 10:20	14°♄00'29	
direct	-1361 Jul 28 j 05:32	17°♄50'58			-1355 Feb 14 j 09:25	15°♄	
	-1361 Nov 01 j 03:26	0°♄			-1355 May 16 j 00:42	0°♄	
desc. node	-1361 Nov 08 j 18:09	1°♄39'52		evening set	-1355 May 27 j 11:16	2°♄30'48	
evening set	-1361 Nov 30 j 02:00	6°♄32'28					
				conjunction	-1355 Jun 10 j 04:13	5°♄33'53	0°-1'-32
conjunction	-1361 Dec 12 j 19:35	9°♄32'01	0°-3'-51	minimum elong	-1355 Jun 10 j 04:12	5°♄33'53	0°01'31
minimum elong	-1361 Dec 12 j 19:35	9°♄32'01	0°03'54	behind sun begin	-1355 Jun 09 j 19:51	5°♄29'15	
behind sun begin	-1361 Dec 12 j 11:39	9°♄27'22		behind sun end	-1355 Jun 10 j 12:32	5°♄38'30	
behind sun end	-1361 Dec 13 j 03:32	9°♄36'41		max. Earth dist.	-1355 Jun 11 j 04:17	5°♄47'18	6.26434 AU
max. Earth dist.	-1361 Dec 11 j 23:14	9°♄20'03	6.11108 AU	morning rise	-1355 Jun 23 j 20:01	8°♄36'08	
morning rise	-1361 Dec 25 j 14:41	12°♄32'33		asc. node	-1355 Jun 24 j 05:58	8°♄41'37	
	-1360 Mar 27 j 08:01	0°♄		retrograde	-1355 Oct 25 j 07:16	26°♄27'05	
retrograde	-1360 May 02 j 17:15	2°♄01'17		opposition	-1355 Dec 24 j 00:08	21°♄27'37	0°27'59
	-1360 Jun 08 j 06:43	30°♄		min. Earth dist.	-1355 Dec 23 j 16:32	21°♄30'10	4.32079 AU

Planetary Phenomena of Jupiter from -1400 through -900 (UT), Astrodienst AG 14-Nov-2015 16:09, page 5

Attention, astronomical year style is used: The year -1354 in astronomical counting style is the year 1355 BCE in historical counting style.

direct	-1354 Feb 22 j 20:26	16°♃24'33		behind sun end	-1349 Dec 17 j 16:27	14°♃20'56	
	-1354 Jun 09 j 07:21	0°♄		max. Earth dist.	-1349 Dec 16 j 17:12	14°♃07'12	6.09094 AU
evening set	-1354 Jun 30 j 05:02	4°♄27'15		morning rise	-1349 Dec 30 j 05:46	17°♃18'51	
					-1348 Feb 27 j 14:20	0°♄	
conjunction	-1354 Jul 13 j 15:32	7°♄23'17	0°38'26	retrograde	-1348 May 07 j 21:41	6°♄57'35	
minimum elong	-1354 Jul 13 j 15:29	7°♄23'15	0°38'27	opposition	-1348 Jul 07 j 12:03	1°♄59'45	0°-47'-43
max. Earth dist.	-1354 Jul 13 j 14:18	7°♄22'37	6.36828 AU	min. Earth dist.	-1348 Jul 07 j 14:14	1°♄59'03	4.03855 AU
morning rise	-1354 Jul 26 j 23:06	10°♄17'49			-1348 Jul 23 j 05:13	30°♃	
retrograde	-1354 Nov 25 j 00:06	27°♄26'21		direct	-1348 Sep 04 j 19:39	27°♃06'19	
opposition	-1353 Jan 24 j 01:11	22°♄30'42	1°18'38		-1348 Oct 17 j 10:02	0°♄	
min. Earth dist.	-1353 Jan 24 j 10:12	22°♄27'44	4.40241 AU	evening set	-1347 Jan 07 j 11:39	16°♄22'28	
direct	-1353 Mar 27 j 00:36	17°♄27'20					
	-1353 Jul 07 j 13:02	0°♅		conjunction	-1347 Jan 20 j 12:02	19°♄29'46	0°-50'-42
evening set	-1353 Aug 01 j 08:30	5°♅13'09		minimum elong	-1347 Jan 20 j 11:59	19°♄29'45	0°50'44
max. Earth dist.	-1353 Aug 13 j 07:19	7°♅48'51	6.42053 AU	max. Earth dist.	-1347 Jan 21 j 00:03	19°♄37'00	6.00076 AU
				morning rise	-1347 Feb 02 j 15:18	22°♄38'44	
conjunction	-1353 Aug 14 j 10:08	8°♅03'27	1°06'18		-1347 Mar 06 j 13:16	0°♆	
minimum elong	-1353 Aug 14 j 10:05	8°♅03'25	1°06'18	retrograde	-1347 Jun 14 j 15:37	13°♆02'25	
morning rise	-1353 Aug 27 j 08:46	10°♅52'13		opposition	-1347 Aug 13 j 20:04	8°♆00'38	-1°-38'-12
	-1353 Sep 15 j 19:14	15°♅		min. Earth dist.	-1347 Aug 13 j 01:12	8°♆06'57	3.98167 AU
retrograde	-1353 Dec 25 j 12:34	27°♅44'31		direct	-1347 Oct 11 j 00:39	3°♆07'04	
opposition	-1352 Feb 23 j 22:08	22°♅51'38	1°46'36		-1346 Jan 10 j 21:45	15°♆	
min. Earth dist.	-1352 Feb 24 j 22:52	22°♅43'40	4.42349 AU	evening set	-1346 Feb 13 j 01:37	22°♆38'05	
direct	-1352 Apr 26 j 14:15	17°♅49'07					
	-1352 Aug 05 j 07:00	0°♇		conjunction	-1346 Feb 26 j 09:28	25°♆49'34	-1°-13'-8
evening set	-1352 Aug 31 j 10:56	5°♇31'50		minimum elong	-1346 Feb 26 j 09:27	25°♆49'33	1°13'09
max. Earth dist.	-1352 Sep 11 j 11:31	7°♇56'36	6.40769 AU	max. Earth dist.	-1346 Feb 28 j 00:10	26°♆12'46	5.98141 AU
				morning rise	-1346 Mar 11 j 20:41	29°♆02'44	
conjunction	-1352 Sep 13 j 05:26	8°♇19'37	1°15'37		-1346 Mar 15 j 21:20	0°♈	
minimum elong	-1352 Sep 13 j 05:26	8°♇19'37	1°15'38	retrograde	-1346 Jul 22 j 00:19	19°♈30'07	
morning rise	-1352 Sep 25 j 21:06	11°♇06'09		min. Earth dist.	-1346 Sep 18 j 11:36	14°♈35'54	4.00344 AU
retrograde	-1351 Jan 24 j 15:29	28°♇09'26		opposition	-1346 Sep 19 j 18:33	14°♈25'22	-1°-50'-40
opposition	-1351 Mar 26 j 10:34	23°♇17'44	1°45'37	direct	-1346 Nov 16 j 16:55	9°♈29'31	
min. Earth dist.	-1351 Mar 27 j 19:04	23°♇07'23	4.37834 AU	evening set	-1345 Mar 22 j 09:33	28°♈53'06	
direct	-1351 May 28 j 01:33	18°♇17'10			-1345 Mar 27 j 03:47	0°♉	
	-1351 Sep 02 j 12:19	0°♊		conjunction	-1345 Apr 05 j 00:45	2°♉05'06	-1°-7'-21
evening set	-1351 Oct 01 j 07:15	6°♊10'46		minimum elong	-1345 Apr 05 j 00:48	2°♉05'07	1°07'21
max. Earth dist.	-1351 Oct 11 j 23:16	8°♊33'46	6.33306 AU	max. Earth dist.	-1345 Apr 07 j 05:07	2°♉35'52	6.04132 AU
				morning rise	-1345 Apr 18 j 18:09	5°♉18'05	
conjunction	-1351 Oct 13 j 21:48	8°♊59'51	1°03'56	retrograde	-1345 Aug 26 j 15:51	25°♉04'20	
minimum elong	-1351 Oct 13 j 21:50	8°♊59'52	1°03'55	min. Earth dist.	-1345 Oct 23 j 20:55	20°♉09'58	4.09476 AU
morning rise	-1351 Oct 26 j 10:46	11°♊48'20		opposition	-1345 Oct 25 j 04:13	19°♉59'18	-1°-20'-56
retrograde	-1350 Feb 26 j 09:28	29°♊28'09		direct	-1345 Dec 22 j 16:00	15°♉00'20	
opposition	-1350 Apr 28 j 08:31	24°♊35'58	1°14'21		-1344 Apr 09 j 10:51	0°♊	
min. Earth dist.	-1350 Apr 29 j 17:23	24°♊25'31	4.27821 AU	evening set	-1344 Apr 27 j 03:52	3°♊57'52	
direct	-1350 Jun 29 j 08:12	19°♊38'02					
	-1350 Sep 26 j 09:45	0°♋		conjunction	-1344 May 10 j 22:25	7°♋06'17	0°-37'-1
evening set	-1350 Nov 01 j 17:58	7°♋54'33		minimum elong	-1344 May 10 j 22:27	7°♋06'19	0°37'01
max. Earth dist.	-1350 Nov 12 j 18:01	10°♋26'10	6.21593 AU	max. Earth dist.	-1344 May 12 j 17:44	7°♋31'01	6.15598 AU
				morning rise	-1344 May 24 j 17:36	10°♋14'43	
conjunction	-1350 Nov 14 j 08:44	10°♋48'28	0°32'59		-1344 Jun 15 j 04:11	15°♋	
minimum elong	-1350 Nov 14 j 08:46	10°♋48'29	0°32'59	retrograde	-1344 Sep 28 j 01:52	28°♋57'09	
morning rise	-1350 Nov 26 j 23:29	13°♋42'36		opposition	-1344 Nov 26 j 15:22	23°♋54'26	0°-24'-38
	-1350 Dec 02 j 15:06	15°♋		min. Earth dist.	-1344 Nov 25 j 17:43	24°♋01'46	4.22021 AU
retrograde	-1349 Feb 21 j 22:17	0°♌		direct	-1343 Jan 25 j 07:50	18°♋52'44	
	-1349 Apr 02 j 02:42	2°♌18'50			-1343 Apr 28 j 01:29	0°♍	
	-1349 May 11 j 18:02	30°♌		asc. node	-1343 May 02 j 16:46	0°♍56'25	
opposition	-1349 Jun 02 j 01:47	27°♌24'27	0°18'07	evening set	-1343 Jun 01 j 09:44	7°♍18'11	
min. Earth dist.	-1349 Jun 02 j 22:14	27°♌17'52	4.15130 AU				
direct	-1349 Aug 01 j 18:35	22°♌29'13		conjunction	-1343 Jun 15 j 02:07	10°♍20'13	0°04'40
desc. node	-1349 Sep 20 j 12:29	26°♌13'04		minimum elong	-1343 Jun 15 j 02:06	10°♍20'12	0°04'42
	-1349 Oct 13 j 10:42	0°♎		behind sun begin	-1343 Jun 14 j 17:59	10°♍15'43	
evening set	-1349 Dec 04 j 15:29	11°♎16'19		behind sun end	-1343 Jun 15 j 10:12	10°♍24'41	
				max. Earth dist.	-1343 Jun 15 j 23:55	10°♍32'19	6.28286 AU
conjunction	-1349 Dec 17 j 09:53	14°♎17'04	0°-9'-51	morning rise	-1343 Jun 28 j 16:48	13°♍21'13	
minimum elong	-1349 Dec 17 j 09:52	14°♎17'03	0°09'54		-1343 Oct 03 j 20:34	0°♏	
behind sun begin	-1349 Dec 17 j 03:18	14°♎13'11					

Planetary Phenomena of Jupiter from -1400 through -900 (UT), Astrodienst AG 14-Nov-2015 16:09, page 6

Attention, astronomical year style is used: The year -1343 in astronomical counting style is the year 1344 BCE in historical counting style.

retrograde	-1343 Oct 29 j 17:50	1°♄04'06		retrograde	-1337 Apr 07 j 07:03	7°♄15'41	
	-1343 Nov 24 j 10:49	30°♃II		opposition	-1337 Jun 07 j 03:51	2°♄20'56	0°08'48
opposition	-1343 Dec 28 j 11:38	26°♃05'14	0°36'15	min. Earth dist.	-1337 Jun 07 j 22:58	2°♄14'46	4.13197 AU
min. Earth dist.	-1343 Dec 28 j 06:11	26°♃07'02	4.33727 AU		-1337 Jun 26 j 04:16	30°♃III	
direct	-1342 Feb 27 j 12:34	21°♃02'03		desc. node	-1337 Jul 30 j 09:06	27°♃31'13	
	-1342 May 21 j 19:12	0°♄		direct	-1337 Aug 06 j 16:27	27°♃26'03	
evening set	-1342 Jul 04 j 20:59	9°♄00'54			-1337 Sep 16 j 09:15	0°♄	
				evening set	-1337 Dec 09 j 11:46	16°♄18'14	
conjunction	-1342 Jul 18 j 06:06	11°♄55'52	0°43'20	conjunction	-1337 Dec 22 j 06:56	19°♄20'04	0°-16'-11
minimum elong	-1342 Jul 18 j 06:03	11°♄55'51	0°43'22	minimum elong	-1337 Dec 22 j 06:54	19°♄20'04	0°16'13
max. Earth dist.	-1342 Jul 17 j 23:40	11°♄52'22	6.38113 AU	behind sun begin	-1337 Dec 22 j 06:23	19°♄19'45	
morning rise	-1342 Jul 31 j 12:30	14°♄49'22		behind sun end	-1337 Dec 22 j 07:26	19°♄20'22	
	-1342 Oct 25 j 08:39	0°♃		max. Earth dist.	-1337 Dec 21 j 17:39	19°♄12'12	6.07372 AU
retrograde	-1342 Nov 29 j 08:09	1°♃53'25		morning rise	-1336 Jan 04 j 03:52	22°♄23'03	
	-1341 Jan 03 j 07:55	30°♃R♄			-1336 Feb 06 j 16:51	0°♄	
opposition	-1341 Jan 28 j 10:11	26°♄58'14	1°24'11	retrograde	-1336 May 13 j 05:17	12°♄10'17	
min. Earth dist.	-1341 Jan 28 j 22:12	26°♄54'19	4.41098 AU	opposition	-1336 Jul 12 j 19:17	7°♄11'55	0°-56'-30
direct	-1341 Mar 31 j 13:24	21°♄54'52		min. Earth dist.	-1336 Jul 12 j 17:25	7°♄12'32	4.02557 AU
	-1341 Jun 18 j 21:11	0°♃		direct	-1336 Sep 09 j 21:15	2°♄18'39	
evening set	-1341 Aug 05 j 19:22	9°♃38'59		evening set	-1335 Jan 12 j 15:00	21°♄38'14	
conjunction	-1341 Aug 18 j 19:59	12°♃28'41	1°08'50	conjunction	-1335 Jan 25 j 16:19	24°♄46'18	0°-55'-22
minimum elong	-1341 Aug 18 j 19:57	12°♃28'40	1°08'51	minimum elong	-1335 Jan 25 j 16:16	24°♄46'16	0°55'25
max. Earth dist.	-1341 Aug 17 j 15:26	12°♃13'08	6.42405 AU	max. Earth dist.	-1335 Jan 26 j 08:53	24°♄56'16	5.99324 AU
	-1341 Aug 30 j 10:13	15°♃		morning rise	-1335 Feb 07 j 20:41	27°♄56'04	
morning rise	-1341 Aug 31 j 17:17	15°♃16'49			-1335 Feb 16 j 13:45	0°♄	
	-1341 Nov 22 j 06:25	0°♄			-1335 May 03 j 20:37	15°♄	
retrograde	-1341 Dec 29 j 19:44	2°♄08'42		retrograde	-1335 Jun 20 j 01:16	18°♄23'00	
	-1340 Feb 05 j 16:20	30°♃R♃			-1335 Aug 06 j 13:56	15°♄	
opposition	-1340 Feb 28 j 07:35	27°♃16'07	1°48'16	min. Earth dist.	-1335 Aug 18 j 06:48	13°♄27'46	3.98078 AU
min. Earth dist.	-1340 Feb 29 j 09:25	27°♃07'49	4.42194 AU	opposition	-1335 Aug 19 j 04:04	13°♄20'38	-1°-42'-37
direct	-1340 Apr 30 j 23:54	22°♃13'51		direct	-1335 Oct 16 j 07:31	8°♄26'49	
	-1340 Jul 17 j 14:12	0°♄			-1335 Dec 20 j 15:07	15°♄	
evening set	-1340 Sep 04 j 19:34	9°♄57'09		evening set	-1334 Feb 18 j 09:00	27°♄57'34	
max. Earth dist.	-1340 Sep 15 j 16:46	12°♄20'25	6.40100 AU		-1334 Feb 26 j 22:14	0°♄	
conjunction	-1340 Sep 17 j 13:08	12°♄44'50	1°15'14	conjunction	-1334 Mar 03 j 18:03	1°♄09'16	-1°-14'-4
minimum elong	-1340 Sep 17 j 13:09	12°♄44'50	1°15'14	minimum elong	-1334 Mar 03 j 18:03	1°♄09'16	1°14'06
morning rise	-1340 Sep 30 j 04:18	15°♄31'25		max. Earth dist.	-1334 Mar 05 j 13:32	1°♄35'17	5.98719 AU
	-1340 Dec 18 j 03:46	0°♄		morning rise	-1334 Mar 17 j 06:09	4°♄22'33	
retrograde	-1339 Jan 29 j 05:02	2°♄38'23		retrograde	-1334 Jul 27 j 04:59	24°♄45'26	
	-1339 Mar 12 j 20:11	30°♃R♄		opposition	-1334 Sep 24 j 21:57	19°♄40'27	-1°-48'-45
opposition	-1339 Mar 30 j 23:56	27°♄46'46	1°42'57	min. Earth dist.	-1334 Sep 23 j 14:12	19°♄51'15	4.01539 AU
min. Earth dist.	-1339 Apr 01 j 10:12	27°♄35'51	4.36684 AU	direct	-1334 Nov 21 j 21:03	14°♄44'10	
direct	-1339 Jun 01 j 14:38	22°♄46'30			-1333 Mar 09 j 23:24	0°♄	
	-1339 Aug 14 j 07:56	0°♄		evening set	-1333 Mar 27 j 15:59	4°♄03'43	
evening set	-1339 Oct 05 j 16:32	10°♄42'52		conjunction	-1333 Apr 10 j 07:44	7°♄15'13	-1°-4'-16
max. Earth dist.	-1339 Oct 16 j 08:25	13°♄06'17	6.31765 AU	minimum elong	-1333 Apr 10 j 07:46	7°♄15'15	1°04'17
conjunction	-1339 Oct 18 j 07:00	13°♄32'30	1°00'35	max. Earth dist.	-1333 Apr 12 j 10:58	7°♄45'12	6.05802 AU
minimum elong	-1339 Oct 18 j 07:02	13°♄32'31	1°00'34	morning rise	-1333 Apr 24 j 01:49	10°♄27'40	
morning rise	-1339 Oct 30 j 19:58	16°♄21'38			-1333 Aug 24 j 21:03	0°♄	
	-1338 Jan 08 j 18:24	0°♄		retrograde	-1333 Aug 31 j 10:32	0°♄04'20	
retrograde	-1338 Mar 03 j 03:35	4°♄08'45			-1333 Sep 07 j 00:14	30°♃R♄	
	-1338 Apr 27 j 10:05	30°♃R♄		min. Earth dist.	-1333 Oct 28 j 17:12	25°♄09'58	4.11426 AU
opposition	-1338 May 03 j 03:37	29°♄16'21	1°07'38	opposition	-1333 Oct 30 j 00:07	24°♄59'25	-1°-14'-2
min. Earth dist.	-1338 May 04 j 10:40	29°♄06'27	4.25992 AU	direct	-1333 Dec 27 j 15:42	19°♄59'57	
direct	-1338 Jul 03 j 22:20	24°♄18'49			-1332 Mar 22 j 01:21	0°♄	
	-1338 Sep 05 j 10:57	0°♄		evening set	-1332 May 02 j 04:48	8°♄51'50	
evening set	-1338 Nov 06 j 07:38	12°♄39'55		conjunction	-1332 May 15 j 23:26	11°♄59'20	0°-31'-29
	-1338 Nov 16 j 10:38	15°♄		minimum elong	-1332 May 15 j 23:28	11°♄59'22	0°31'28
max. Earth dist.	-1338 Nov 17 j 10:44	15°♄13'57	6.19641 AU	max. Earth dist.	-1332 May 17 j 16:35	12°♄22'43	6.17674 AU
conjunction	-1338 Nov 18 j 22:44	15°♄34'47	0°27'21	morning rise	-1332 May 29 j 18:09	15°♄06'40	
minimum elong	-1338 Nov 18 j 22:46	15°♄34'48	0°27'20		-1332 May 29 j 06:19	15°♄	
morning rise	-1338 Dec 01 j 14:01	18°♄30'00			-1332 Aug 14 j 14:19	0°♄	
	-1337 Jan 24 j 23:53	0°♄					

Planetary Phenomena of Jupiter from -1400 through -900 (UT), Astrodienst AG 14-Nov-2015 16:09, page 7

Attention, astronomical year style is used: The year -1332 in astronomical counting style is the year 1333 BCE in historical counting style.

retrograde	-1332 Oct 02 j 15:10	3°♃39'08		morning rise	-1327 Nov 04 j 06:41	20°♃57'54	
	-1332 Nov 20 j 18:53	30°♃8			-1327 Dec 16 j 20:47	0°♃	
min. Earth dist.	-1332 Nov 30 j 09:24	28°♃43'18	4.24004 AU	retrograde	-1326 Mar 08 j 02:16	8°♃53'12	
opposition	-1332 Dec 01 j 04:18	28°♃36'55	0°-15'-53	opposition	-1326 May 08 j 00:55	4°♃00'36	1°00'21
direct	-1331 Jan 30 j 02:06	23°♃34'55		min. Earth dist.	-1326 May 09 j 07:13	3°♃50'55	4.24060 AU
asc. node	-1331 Mar 12 j 13:24	26°♃11'11			-1326 Jun 13 j 19:37	30°♃♃	
	-1331 Apr 07 j 18:53	0°♃		direct	-1326 Jul 08 j 16:18	29°♃03'30	
evening set	-1331 Jun 06 j 04:10	11°♃55'24			-1326 Aug 02 j 10:26	0°♃	
					-1326 Oct 31 j 01:19	15°♃	
conjunction	-1331 Jun 19 j 19:39	14°♃56'21	0°10'31	evening set	-1326 Nov 10 j 22:54	17°♃29'16	
minimum elong	-1331 Jun 19 j 19:39	14°♃56'21	0°10'32	max. Earth dist.	-1326 Nov 22 j 05:41	20°♃06'04	6.17753 AU
behind sun begin	-1331 Jun 19 j 13:17	14°♃52'50					
behind sun end	-1331 Jun 20 j 02:01	14°♃59'51		conjunction	-1326 Nov 23 j 14:30	20°♃25'08	0°21'27
max. Earth dist.	-1331 Jun 20 j 12:43	15°♃05'47	6.30013 AU	minimum elong	-1326 Nov 23 j 14:32	20°♃25'09	0°21'26
morning rise	-1331 Jul 03 j 09:27	17°♃56'14		morning rise	-1326 Dec 06 j 06:24	23°♃21'26	
	-1331 Sep 02 j 06:10	0°♃			-1325 Jan 04 j 23:08	0°♃	
retrograde	-1331 Nov 03 j 00:31	5°♃32'02		retrograde	-1325 Apr 12 j 10:30	12°♃16'13	
opposition	-1330 Jan 01 j 19:47	0°♃33'41	0°44'01	desc. node	-1325 Jun 07 j 23:15	7°♃54'36	
min. Earth dist.	-1330 Jan 01 j 16:53	0°♃34'39	4.35087 AU	opposition	-1325 Jun 12 j 07:33	7°♃21'01	0°00'-42
	-1330 Jan 06 j 01:29	30°♃♃		min. Earth dist.	-1325 Jun 12 j 22:57	7°♃16'03	4.11513 AU
direct	-1330 Mar 04 j 00:22	25°♃30'21		direct	-1325 Aug 11 j 14:18	2°♃26'33	
	-1330 Apr 29 j 17:07	0°♃		evening set	-1325 Dec 14 j 09:31	21°♃22'47	
evening set	-1330 Jul 09 j 09:36	13°♃26'29					
				conjunction	-1325 Dec 27 j 05:19	24°♃25'29	0°-22'-28
conjunction	-1330 Jul 22 j 17:38	16°♃20'38	0°47'51	minimum elong	-1325 Dec 27 j 05:17	24°♃25'28	0°22'30
minimum elong	-1330 Jul 22 j 17:35	16°♃20'36	0°47'52	max. Earth dist.	-1325 Dec 26 j 20:13	24°♃20'05	6.06039 AU
max. Earth dist.	-1330 Jul 22 j 07:58	16°♃15'21	6.39006 AU	morning rise	-1324 Jan 09 j 03:11	27°♃29'27	
morning rise	-1330 Aug 04 j 22:39	19°♃13'13			-1324 Jan 19 j 20:03	0°♃	
	-1330 Sep 28 j 05:16	0°♃		retrograde	-1324 May 18 j 13:53	17°♃23'30	
retrograde	-1330 Dec 03 j 14:26	6°♃14'21		opposition	-1324 Jul 18 j 02:32	12°♃24'32	-1°-4'-52
opposition	-1329 Feb 01 j 17:17	1°♃19'41	1°29'08	min. Earth dist.	-1324 Jul 17 j 21:44	12°♃26'07	4.01700 AU
min. Earth dist.	-1329 Feb 02 j 07:48	1°♃14'57	4.41484 AU	direct	-1324 Sep 15 j 01:40	7°♃31'19	
	-1329 Feb 12 j 01:03	30°♃♃		evening set	-1323 Jan 17 j 18:18	26°♃52'47	
direct	-1329 Apr 04 j 22:55	26°♃16'26					
	-1329 May 26 j 17:43	0°♃		conjunction	-1323 Jan 30 j 20:42	0°≈01'26	0°-59'-36
evening set	-1329 Aug 10 j 04:25	14°♃00'17		minimum elong	-1323 Jan 30 j 20:39	0°≈01'25	0°59'37
	-1329 Aug 14 j 18:37	15°♃			-1323 Jan 30 j 18:18	0°≈	
max. Earth dist.	-1329 Aug 21 j 18:54	16°♃31'37	6.42232 AU	max. Earth dist.	-1323 Jan 31 j 18:40	0°≈14'38	5.99009 AU
				morning rise	-1323 Feb 13 j 02:01	3°≈11'46	
conjunction	-1329 Aug 23 j 03:50	16°♃49'34	1°10'57		-1323 Apr 07 j 11:15	15°≈	
minimum elong	-1329 Aug 23 j 03:48	16°♃49'33	1°10'57	retrograde	-1323 Jun 25 j 09:22	23°≈39'52	
morning rise	-1329 Sep 05 j 00:16	19°♃37'24		min. Earth dist.	-1323 Aug 23 j 11:06	18°≈44'49	3.98365 AU
	-1329 Oct 27 j 00:04	0°♃		opposition	-1323 Aug 24 j 10:14	18°≈37'03	-1°-46'-9
retrograde	-1328 Jan 03 j 05:03	6°♃30'44			-1323 Sep 23 j 20:42	15°≈	
opposition	-1328 Mar 03 j 17:01	1°♃38'25	1°49'20	direct	-1323 Oct 21 j 11:44	13°≈43'02	
min. Earth dist.	-1328 Mar 04 j 21:03	1°♃29'25	4.41503 AU		-1323 Nov 18 j 01:17	15°≈	
	-1328 Mar 16 j 17:31	30°♃♃			-1322 Feb 09 j 23:08	0°♃	
direct	-1328 May 05 j 09:51	26°♃36'21		evening set	-1322 Feb 23 j 14:57	3°♃12'30	
	-1328 Jun 23 j 17:27	0°♃					
evening set	-1328 Sep 09 j 03:51	14°♃21'48		conjunction	-1322 Mar 09 j 00:50	6°♃24'14	-1°-14'-25
max. Earth dist.	-1328 Sep 20 j 00:38	16°♃45'14	6.38943 AU	minimum elong	-1322 Mar 09 j 00:50	6°♃24'15	1°14'27
				max. Earth dist.	-1322 Mar 10 j 21:12	6°♃50'42	5.99539 AU
conjunction	-1328 Sep 21 j 20:59	17°♃09'43	1°14'24	morning rise	-1322 Mar 22 j 14:03	9°♃37'34	
minimum elong	-1328 Sep 21 j 20:59	17°♃09'44	1°14'23	retrograde	-1322 Aug 01 j 05:13	29°♃55'13	
morning rise	-1328 Oct 04 j 11:28	19°♃56'32		opposition	-1322 Sep 29 j 22:44	24°♃50'06	-1°-46'-2
	-1328 Nov 22 j 20:38	0°♃		min. Earth dist.	-1322 Sep 28 j 13:58	25°♃01'16	4.02811 AU
retrograde	-1327 Feb 02 j 17:58	7°♃08'46		direct	-1322 Nov 26 j 22:54	19°♃53'24	
opposition	-1327 Apr 04 j 14:12	2°♃17'12	1°39'41		-1321 Feb 19 j 10:30	0°♃	
min. Earth dist.	-1327 Apr 05 j 23:53	2°♃06'28	4.35147 AU	evening set	-1321 Apr 01 j 20:11	9°♃09'07	
	-1327 Apr 23 j 06:06	30°♃♃					
direct	-1327 Jun 06 j 01:45	27°♃17'22		conjunction	-1321 Apr 15 j 12:42	12°♃20'13	-1°00'-47
	-1327 Jul 19 j 12:17	0°♃		minimum elong	-1321 Apr 15 j 12:45	12°♃20'14	1°00'47
evening set	-1327 Oct 10 j 03:16	15°♃17'39		max. Earth dist.	-1321 Apr 17 j 15:45	12°♃49'57	6.07421 AU
max. Earth dist.	-1327 Oct 20 j 19:24	17°♃41'54	6.29978 AU	morning rise	-1321 Apr 29 j 07:02	15°♃32'02	
					-1321 Jul 09 j 07:25	0°♃	
conjunction	-1327 Oct 22 j 17:30	18°♃07'58	0°56'50	retrograde	-1321 Sep 05 j 05:56	4°♃59'48	
minimum elong	-1327 Oct 22 j 17:33	18°♃07'59	0°56'49	opposition	-1321 Nov 03 j 17:59	29°♃55'11	-1°-6'-47

Planetary Phenomena of Jupiter from -1400 through -900 (UT), Astrodienst AG 14-Nov-2015 16:09, page 8

Attention, astronomical year style is used: The year -1321 in astronomical counting style is the year 1322 BCE in historical counting style.

min. Earth dist.	-1321 Nov 02 j 13:16	0°♃04'58	4.13205 AU	max. Earth dist.	-1315 Oct 25 j 09:09	22°♄20'50	6.28458 AU
	-1321 Nov 03 j 03:51	30°♃♃					
direct	-1320 Jan 01 j 14:13	24°♃55'19		conjunction	-1315 Oct 27 j 04:37	22°♄45'29	0°52'44
	-1320 Feb 28 j 21:15	0°♃		minimum elong	-1315 Oct 27 j 04:40	22°♄45'31	0°52'44
evening set	-1320 May 07 j 04:23	13°♃42'33		morning rise	-1315 Nov 08 j 17:48	25°♄36'06	
	-1320 May 12 j 21:43	15°♃			-1315 Nov 28 j 14:28	0°♄	
				retrograde	-1314 Mar 12 j 22:43	13°♄38'31	
conjunction	-1320 May 20 j 22:53	16°♃49'14	0°-25'-49	opposition	-1314 May 12 j 22:30	8°♄45'37	0°52'42
minimum elong	-1320 May 20 j 22:55	16°♃49'16	0°25'48	min. Earth dist.	-1314 May 14 j 02:27	8°♄36'42	4.22498 AU
max. Earth dist.	-1320 May 22 j 13:03	17°♃10'50	6.19476 AU	direct	-1314 Jul 13 j 09:25	3°♄48'59	
morning rise	-1320 Jun 03 j 17:17	19°♃55'37			-1314 Oct 13 j 16:20	15°♄	
	-1320 Jul 21 j 16:59	0°♄		evening set	-1314 Nov 15 j 14:07	22°♄17'58	
retrograde	-1320 Oct 07 j 01:34	8°♄19'22		max. Earth dist.	-1314 Nov 26 j 23:40	24°♄56'55	6.16286 AU
opposition	-1320 Dec 05 j 16:02	3°♄17'39	0°-7'-9				
min. Earth dist.	-1320 Dec 04 j 22:39	3°♄23'31	4.25674 AU	conjunction	-1314 Nov 28 j 05:58	25°♄14'35	0°15'29
	-1319 Jan 01 j 11:27	30°♃♃		minimum elong	-1314 Nov 28 j 05:58	25°♄14'35	0°15'28
asc. node	-1319 Jan 20 j 10:27	28°♃35'19		behind sun begin	-1314 Nov 28 j 03:23	25°♄13'05	
direct	-1319 Feb 03 j 17:05	28°♃15'22		behind sun end	-1314 Nov 28 j 08:34	25°♄16'05	
	-1319 Mar 09 j 10:38	0°♄		morning rise	-1314 Dec 10 j 22:34	28°♄11'47	
evening set	-1319 Jun 10 j 21:56	16°♄32'12			-1314 Dec 18 j 18:27	0°♄	
				retrograde	-1313 Apr 17 j 13:20	17°♄14'01	
conjunction	-1319 Jun 24 j 12:36	19°♄32'13	0°16'17	desc. node	-1313 Apr 17 j 17:18	17°♄14'01	
minimum elong	-1319 Jun 24 j 12:34	19°♄32'12	0°16'19	opposition	-1313 Jun 17 j 10:01	12°♄18'17	0°-10'-4
max. Earth dist.	-1319 Jun 25 j 01:16	19°♄39'12	6.31433 AU	min. Earth dist.	-1313 Jun 17 j 22:44	12°♄14'10	4.10251 AU
morning rise	-1319 Jul 08 j 01:19	22°♄31'04		direct	-1313 Aug 16 j 13:17	7°♄24'01	
	-1319 Aug 12 j 16:40	0°♄		evening set	-1313 Dec 19 j 05:37	26°♄22'49	
retrograde	-1319 Nov 07 j 09:33	10°♄01'01					
opposition	-1318 Jan 06 j 04:24	5°♄03'14	0°51'32	conjunction	-1312 Jan 01 j 02:16	29°♄26'16	0°-28'-25
min. Earth dist.	-1318 Jan 06 j 04:48	5°♄03'06	4.36156 AU	minimum elong	-1312 Jan 01 j 02:14	29°♄26'14	0°28'28
	-1318 Mar 07 j 05:48	30°♃♄		max. Earth dist.	-1313 Dec 31 j 22:21	29°♄23'56	6.05100 AU
direct	-1318 Mar 08 j 13:27	29°♄59'50			-1312 Jan 03 j 10:54	0°♄	
	-1318 Mar 09 j 21:07	0°♄		morning rise	-1312 Jan 14 j 00:56	2°♄31'00	
evening set	-1318 Jul 13 j 22:23	17°♄54'03		retrograde	-1312 May 23 j 20:04	22°♄30'04	
				opposition	-1312 Jul 23 j 07:04	17°♄30'34	-1°-12'-29
conjunction	-1318 Jul 27 j 05:14	20°♄47'27	0°52'07	min. Earth dist.	-1312 Jul 22 j 23:46	17°♄32'58	4.01200 AU
minimum elong	-1318 Jul 27 j 05:11	20°♄47'25	0°52'08	direct	-1312 Sep 20 j 02:38	12°♄37'21	
max. Earth dist.	-1318 Jul 26 j 15:32	20°♄39'58	6.39627 AU		-1311 Jan 14 j 09:32	0°♄	
morning rise	-1318 Aug 09 j 09:04	23°♄39'18		evening set	-1311 Jan 22 j 18:59	1°♄59'32	
	-1318 Sep 08 j 16:33	0°♄					
retrograde	-1318 Dec 07 j 21:13	10°♄38'25		conjunction	-1311 Feb 04 j 22:07	5°♄08'34	-1°-3'-13
opposition	-1317 Feb 06 j 01:27	5°♄44'07	1°33'40	minimum elong	-1311 Feb 04 j 22:05	5°♄08'32	1°03'15
min. Earth dist.	-1317 Feb 06 j 17:53	5°♄38'47	4.41659 AU	max. Earth dist.	-1311 Feb 05 j 22:11	5°♄23'01	5.98956 AU
direct	-1317 Apr 09 j 08:32	0°♄40'56		morning rise	-1311 Feb 18 j 04:37	8°♄19'22	
	-1317 Jul 29 j 13:55	15°♄			-1311 Mar 19 j 01:10	15°♄	
evening set	-1317 Aug 14 j 14:19	18°♄24'59		retrograde	-1311 Jun 30 j 11:13	28°♄47'31	
max. Earth dist.	-1317 Aug 26 j 02:45	20°♄55'22	6.41945 AU	min. Earth dist.	-1311 Aug 28 j 11:06	23°♄52'48	3.98787 AU
				opposition	-1311 Aug 29 j 12:30	23°♄44'15	-1°-48'-42
conjunction	-1317 Aug 27 j 12:46	21°♄13'58	1°12'41	direct	-1311 Oct 26 j 12:30	18°♄49'55	
minimum elong	-1317 Aug 27 j 12:45	21°♄13'57	1°12'42		-1310 Jan 23 j 05:45	0°♄	
morning rise	-1317 Sep 09 j 08:05	24°♄01'29		evening set	-1310 Feb 28 j 17:32	8°♄17'54	
	-1317 Oct 07 j 17:46	0°♄					
retrograde	-1316 Jan 07 j 14:47	10°♄56'31		conjunction	-1310 Mar 14 j 04:32	11°♄29'42	-1°-14'-11
opposition	-1316 Mar 08 j 03:47	6°♄04'26	1°49'50	minimum elong	-1310 Mar 14 j 04:33	11°♄29'42	1°14'11
min. Earth dist.	-1316 Mar 09 j 08:55	5°♄55'06	4.40795 AU	max. Earth dist.	-1310 Mar 16 j 03:08	11°♄57'25	6.00389 AU
direct	-1316 May 09 j 20:34	1°♄02'41		morning rise	-1310 Mar 27 j 18:27	14°♄42'58	
evening set	-1316 Sep 13 j 13:12	18°♄50'00			-1310 Jun 09 j 17:45	0°♄	
max. Earth dist.	-1316 Sep 24 j 07:21	21°♄12'28	6.37864 AU	retrograde	-1310 Aug 06 j 04:29	4°♄55'21	
					-1310 Oct 03 j 15:04	30°♃♄	
conjunction	-1316 Sep 26 j 05:35	21°♄38'05	1°13'09	opposition	-1310 Oct 04 j 19:50	29°♄50'11	-1°-42'-38
minimum elong	-1316 Sep 26 j 05:36	21°♄38'05	1°13'08	min. Earth dist.	-1310 Oct 03 j 12:15	0°♄00'58	4.03988 AU
morning rise	-1316 Oct 08 j 19:48	24°♄25'11		direct	-1310 Dec 01 j 22:50	24°♄53'03	
	-1316 Nov 03 j 20:41	0°♄			-1309 Jan 28 j 12:00	0°♄	
retrograde	-1315 Feb 07 j 10:01	11°♄42'27		evening set	-1309 Apr 06 j 21:21	14°♄05'37	
opposition	-1315 Apr 09 j 06:05	6°♄50'47	1°35'48				
min. Earth dist.	-1315 Apr 10 j 15:46	6°♄40'04	4.33779 AU	conjunction	-1309 Apr 20 j 14:28	17°♄16'21	0°-56'-57
direct	-1315 Jun 10 j 15:49	1°♄51'19		minimum elong	-1309 Apr 20 j 14:31	17°♄16'23	0°56'58
evening set	-1315 Oct 14 j 14:16	19°♄54'34		max. Earth dist.	-1309 Apr 22 j 16:31	17°♄45'24	6.08824 AU

Planetary Phenomena of Jupiter from -1400 through -900 (UT), Astrodienst AG 14-Nov-2015 16:09, page 9

Attention, astronomical year style is used: The year -1309 in astronomical counting style is the year 1310 BCE in historical counting style.

morning rise	-1309 May 04 j 09:15	20°Υ27'44		direct	-1303 Jun 15 j 04:47	6°♁23'34	
	-1309 Jun 17 j 05:36	0°♁		evening set	-1303 Oct 19 j 00:17	24°♁29'21	
retrograde	-1309 Sep 09 j 20:38	9°♁47'35		max. Earth dist.	-1303 Oct 29 j 18:52	26°♁56'01	6.27006 AU
min. Earth dist.	-1309 Nov 07 j 04:57	4°♁52'53	4.14695 AU				
opposition	-1309 Nov 08 j 09:04	4°♁43'19	0°-59'-18	conjunction	-1303 Oct 31 j 14:28	27°♁20'50	0°48'20
	-1309 Dec 24 j 09:18	30°♁Υ		minimum elong	-1303 Oct 31 j 14:31	27°♁20'51	0°48'19
direct	-1308 Jan 06 j 07:29	29°♁Υ43'06			-1303 Nov 12 j 06:31	0°♁	
	-1308 Jan 19 j 08:44	0°♁		morning rise	-1303 Nov 13 j 04:02	0°♁12'11	
	-1308 Apr 26 j 11:56	15°♁			-1302 Jan 29 j 01:07	15°♁	
evening set	-1308 May 12 j 01:36	18°♁26'58		retrograde	-1302 Mar 17 j 19:06	18°♁21'46	
					-1302 May 05 j 15:29	15°♁♁	
conjunction	-1308 May 25 j 19:55	21°♁32'57	0°-20'-7	opposition	-1302 May 17 j 18:58	13°♁28'31	0°44'43
minimum elong	-1308 May 25 j 19:56	21°♁32'58	0°20'07	min. Earth dist.	-1302 May 18 j 21:18	13°♁20'05	4.20890 AU
max. Earth dist.	-1308 May 27 j 05:56	21°♁52'09	6.20950 AU	direct	-1302 Jul 18 j 02:26	8°♁32'11	
morning rise	-1308 Jun 08 j 13:57	24°♁38'32			-1302 Sep 23 j 14:59	15°♁	
	-1308 Jul 03 j 03:05	0°♁		evening set	-1302 Nov 20 j 04:04	27°♁04'49	
retrograde	-1308 Oct 11 j 13:14	12°♁55'09					
asc. node	-1308 Dec 01 j 03:36	9°♁05'35		conjunction	-1302 Dec 02 j 20:33	0°♁02'21	0°09'26
opposition	-1308 Dec 10 j 02:43	7°♁53'59	0°01'24	minimum elong	-1302 Dec 02 j 20:34	0°♁02'21	0°09'25
min. Earth dist.	-1308 Dec 09 j 12:31	7°♁58'46	4.27001 AU	behind sun begin	-1302 Dec 02 j 13:51	29°♁58'27	
direct	-1307 Feb 08 j 08:39	2°♁51'30		behind sun end	-1302 Dec 03 j 03:18	0°♁06'16	
evening set	-1307 Jun 15 j 14:27	21°♁05'47		max. Earth dist.	-1302 Dec 01 j 18:15	29°♁46'58	6.14674 AU
					-1302 Dec 02 j 16:33	0°♁	
conjunction	-1307 Jun 29 j 04:23	24°♁05'02	0°21'51	morning rise	-1302 Dec 15 j 13:43	3°♁00'32	
minimum elong	-1307 Jun 29 j 04:21	24°♁05'01	0°21'53	desc. node	-1301 Feb 25 j 16:10	17°♁37'08	
max. Earth dist.	-1307 Jun 29 j 14:21	24°♁10'31	6.32529 AU	retrograde	-1301 Apr 22 j 16:27	22°♁11'01	
morning rise	-1307 Jul 12 j 16:00	27°♁02'59		opposition	-1301 Jun 22 j 11:48	17°♁14'50	0°-19'-24
	-1307 Jul 26 j 07:23	0°♁		min. Earth dist.	-1301 Jun 22 j 22:24	17°♁11'24	4.08758 AU
retrograde	-1307 Nov 11 j 15:47	14°♁28'18		direct	-1301 Aug 21 j 10:37	12°♁20'50	
opposition	-1306 Jan 10 j 12:32	9°♁31'04	0°58'39		-1301 Dec 18 j 04:38	0°♁	
min. Earth dist.	-1306 Jan 10 j 14:15	9°♁30'30	4.36973 AU	evening set	-1301 Dec 24 j 01:58	1°♁23'25	
direct	-1306 Mar 12 j 23:42	4°♁27'40					
evening set	-1306 Jul 18 j 10:51	22°♁20'41		conjunction	-1300 Jan 05 j 23:15	4°♁27'42	0°-34'-12
				minimum elong	-1300 Jan 05 j 23:13	4°♁27'41	0°34'15
conjunction	-1306 Jul 31 j 16:28	25°♁13'24	0°56'02	max. Earth dist.	-1300 Jan 05 j 21:36	4°♁26'43	6.03849 AU
minimum elong	-1306 Jul 31 j 16:25	25°♁13'22	0°56'03	morning rise	-1300 Jan 18 j 23:04	7°♁33'28	
max. Earth dist.	-1306 Jul 30 j 23:38	25°♁04'13	6.40109 AU	retrograde	-1300 May 29 j 01:11	27°♁38'56	
morning rise	-1306 Aug 13 j 19:06	28°♁04'34		opposition	-1300 Jul 28 j 11:39	22°♁38'50	-1°-19'-39
	-1306 Aug 22 j 17:46	0°♁		min. Earth dist.	-1300 Jul 28 j 01:00	22°♁42'21	4.00328 AU
	-1306 Dec 07 j 11:42	15°♁		direct	-1300 Sep 25 j 02:53	17°♁45'33	
retrograde	-1306 Dec 12 j 05:32	15°♁02'09			-1300 Dec 27 j 20:48	0°♁	
	-1306 Dec 16 j 22:54	15°♁♁		evening set	-1299 Jan 27 j 21:18	7°♁10'15	
opposition	-1305 Feb 10 j 10:00	10°♁08'17	1°37'35				
min. Earth dist.	-1305 Feb 11 j 04:49	10°♁02'11	4.41791 AU	conjunction	-1299 Feb 10 j 01:40	10°♁19'58	-1°-6'-25
direct	-1305 Apr 13 j 19:50	5°♁05'18		minimum elong	-1299 Feb 10 j 01:38	10°♁19'56	1°06'27
	-1305 Jul 12 j 01:50	15°♁		max. Earth dist.	-1299 Feb 11 j 06:16	10°♁37'09	5.98541 AU
evening set	-1305 Aug 18 j 23:39	22°♁49'17		morning rise	-1299 Feb 23 j 09:06	13°♁31'22	
max. Earth dist.	-1305 Aug 30 j 08:37	25°♁18'01	6.41694 AU		-1299 Mar 01 j 14:31	15°♁	
					-1299 May 15 j 03:28	0°♁	
conjunction	-1305 Aug 31 j 21:06	25°♁37'58	1°13'59	retrograde	-1299 Jul 05 j 17:55	4°♁00'47	
minimum elong	-1305 Aug 31 j 21:05	25°♁37'57	1°13'59		-1299 Aug 26 j 20:51	30°♁♁	
morning rise	-1305 Sep 13 j 15:33	28°♁25'13		opposition	-1299 Sep 03 j 16:28	28°♁57'06	-1°-50'-31
	-1305 Sep 20 j 22:53	0°♁		min. Earth dist.	-1299 Sep 02 j 14:29	29°♁05'53	3.98883 AU
retrograde	-1304 Jan 12 j 00:25	15°♁21'56		direct	-1299 Oct 31 j 16:14	24°♁02'26	
opposition	-1304 Mar 12 j 14:42	10°♁29'56	1°49'39		-1298 Jan 01 j 17:02	0°♁	
min. Earth dist.	-1304 Mar 13 j 20:15	10°♁20'28	4.40186 AU	evening set	-1298 Mar 05 j 23:05	13°♁30'15	
direct	-1304 May 14 j 06:58	5°♁28'27					
evening set	-1304 Sep 17 j 21:35	23°♁17'01		conjunction	-1298 Mar 19 j 11:07	16°♁42'16	-1°-13'-21
max. Earth dist.	-1304 Sep 28 j 16:19	25°♁40'09	6.36930 AU	minimum elong	-1298 Mar 19 j 11:08	16°♁42'16	1°13'22
				max. Earth dist.	-1298 Mar 21 j 11:17	17°♁10'50	6.00968 AU
conjunction	-1304 Sep 30 j 13:30	26°♁05'15	1°11'28	morning rise	-1298 Apr 02 j 02:07	19°♁55'41	
minimum elong	-1304 Sep 30 j 13:31	26°♁05'15	1°11'27		-1298 May 17 j 11:13	0°♁	
morning rise	-1304 Oct 13 j 03:09	28°♁52'32		retrograde	-1298 Aug 11 j 04:52	10°♁03'23	
	-1304 Oct 18 j 05:50	0°♁		min. Earth dist.	-1298 Oct 08 j 10:58	5°♁09'17	4.04999 AU
retrograde	-1303 Feb 11 j 23:47	16°♁14'21		opposition	-1298 Oct 09 j 19:33	4°♁58'10	-1°-38'-23
opposition	-1303 Apr 13 j 21:04	11°♁22'38	1°31'19	direct	-1298 Dec 06 j 22:58	0°♁00'37	
min. Earth dist.	-1303 Apr 15 j 06:39	11°♁11'57	4.32545 AU	evening set	-1297 Apr 12 j 02:06	19°♁10'34	

Planetary Phenomena of Jupiter from -1400 through -900 (UT), Astrodienst AG 14-Nov-2015 16:09, page 10

Attention, astronomical year style is used: The year -1297 in astronomical counting style is the year 1298 BCE in historical counting style.

conjunction	-1297 Apr 25 j 19:42	22°♃20'56	0°-52'-36	retrograde	-1291 Feb 16 j 09:41	20°♁36'02	
minimum elong	-1297 Apr 25 j 19:45	22°♃20'58	0°52'35	opposition	-1291 Apr 18 j 08:21	15°♁44'10	1°26'26
max. Earth dist.	-1297 Apr 27 j 19:50	22°♃48'47	6.10187 AU	min. Earth dist.	-1291 Apr 19 j 17:44	15°♁33'32	4.31441 AU
morning rise	-1297 May 09 j 14:50	25°♃31'49		direct	-1291 Jun 19 j 13:41	10°♁45'21	
	-1297 May 29 j 11:14	0°♄		evening set	-1291 Oct 23 j 06:10	28°♁53'32	
retrograde	-1297 Sep 14 j 15:17	14°♄43'37			-1291 Oct 28 j 03:19	0°♁	
min. Earth dist.	-1297 Nov 12 j 00:59	9°♄48'35	4.16270 AU	max. Earth dist.	-1291 Nov 03 j 02:42	1°♁21'46	6.25532 AU
opposition	-1297 Nov 13 j 03:12	9°♄39'39	0°-51'-12				
direct	-1296 Jan 11 j 06:07	4°♄39'05		conjunction	-1291 Nov 04 j 20:32	1°♁45'40	0°43'48
	-1296 Apr 08 j 04:15	15°♄		minimum elong	-1291 Nov 04 j 20:35	1°♁45'41	0°43'46
evening set	-1296 May 17 j 02:03	23°♄19'00		morning rise	-1291 Nov 17 j 10:13	4°♁37'43	
					-1290 Jan 05 j 12:38	15°♁	
conjunction	-1296 May 30 j 20:13	26°♄24'11	0°-14'-8	retrograde	-1290 Mar 22 j 12:22	22°♁54'53	
minimum elong	-1296 May 30 j 20:14	26°♄24'12	0°14'08	opposition	-1290 May 22 j 11:38	18°♁01'23	0°36'43
behind sun begin	-1296 May 30 j 16:27	26°♄22'04		min. Earth dist.	-1290 May 23 j 13:47	17°♁53'01	4.19120 AU
behind sun end	-1296 May 31 j 00:02	26°♄26'19			-1290 Jun 16 j 22:25	15°♁	
max. Earth dist.	-1296 Jun 01 j 05:17	26°♄42'46	6.22660 AU	direct	-1290 Jul 22 j 15:34	13°♁05'23	
morning rise	-1296 Jun 13 j 13:32	29°♄28'44			-1290 Aug 26 j 22:11	15°♁	
	-1296 Jun 15 j 21:44	0°♁			-1290 Nov 17 j 05:38	0°♁	
asc. node	-1296 Oct 10 j 07:56	17°♁33'43		evening set	-1290 Nov 24 j 15:09	1°♁42'44	
retrograde	-1296 Oct 16 j 00:17	17°♁36'55		max. Earth dist.	-1290 Dec 06 j 06:14	4°♁26'09	6.12758 AU
opposition	-1296 Dec 14 j 15:31	12°♁36'18	0°10'09				
min. Earth dist.	-1296 Dec 14 j 02:08	12°♁40'47	4.28726 AU	conjunction	-1290 Dec 07 j 08:04	4°♁41'18	0°03'32
direct	-1295 Feb 13 j 01:07	7°♁33'40		minimum elong	-1290 Dec 07 j 08:03	4°♁41'18	0°03'31
evening set	-1295 Jun 20 j 08:52	25°♁43'42		behind sun begin	-1290 Dec 07 j 00:06	4°♁36'39	
				behind sun end	-1290 Dec 07 j 16:01	4°♁45'57	
conjunction	-1295 Jul 03 j 21:35	28°♁41'48	0°27'24	morning rise	-1290 Dec 20 j 02:11	7°♁40'41	
minimum elong	-1295 Jul 03 j 21:33	28°♁41'47	0°27'25	desc. node	-1289 Jan 07 j 13:13	11°♁55'00	
max. Earth dist.	-1295 Jul 04 j 03:22	28°♁44'58	6.34155 AU	retrograde	-1289 Apr 27 j 16:12	27°♁00'52	
	-1295 Jul 09 j 19:56	0°♁		opposition	-1289 Jun 27 j 10:28	22°♁04'13	0°-28'-19
morning rise	-1295 Jul 17 j 08:06	1°♁38'36		min. Earth dist.	-1289 Jun 27 j 18:17	22°♁01'40	4.06856 AU
retrograde	-1295 Nov 16 j 00:18	18°♁57'22		direct	-1289 Aug 26 j 03:25	17°♁10'22	
opposition	-1294 Jan 14 j 21:52	14°♁00'36	1°05'26		-1289 Dec 01 j 12:52	0°♁	
min. Earth dist.	-1294 Jan 15 j 02:25	13°♁59'06	4.38401 AU	evening set	-1289 Dec 28 j 20:38	6°♁18'51	
direct	-1294 Mar 17 j 14:24	8°♁57'11					
evening set	-1294 Jul 22 j 22:40	26°♁46'28		conjunction	-1288 Jan 10 j 19:02	9°♁24'22	0°-39'-36
max. Earth dist.	-1294 Aug 04 j 08:27	29°♁28'03	6.41222 AU	minimum elong	-1288 Jan 10 j 19:00	9°♁24'20	0°39'37
				max. Earth dist.	-1288 Jan 10 j 22:06	9°♁26'11	6.02146 AU
conjunction	-1294 Aug 05 j 03:08	29°♁38'13	0°59'37	morning rise	-1288 Jan 23 j 19:50	12°♁31'21	
minimum elong	-1294 Aug 05 j 03:05	29°♁38'12	0°59'38		-1288 Apr 21 j 20:43	0°♁	
	-1294 Aug 06 j 19:09	0°♁		retrograde	-1288 Jun 03 j 08:10	2°♁45'09	
morning rise	-1294 Aug 18 j 04:18	2°♁28'23			-1288 Jul 15 j 23:18	30°♁	
	-1294 Oct 22 j 17:05	15°♁		opposition	-1288 Aug 02 j 15:15	27°♁44'33	-1°-26'-5
retrograde	-1294 Dec 16 j 09:44	19°♁22'25		min. Earth dist.	-1288 Aug 02 j 03:08	27°♁48'35	3.99010 AU
	-1293 Feb 10 j 16:51	15°♁		direct	-1288 Sep 30 j 03:03	22°♁51'15	
opposition	-1293 Feb 14 j 17:23	14°♁28'50	1°40'52		-1288 Dec 07 j 19:03	0°♁	
min. Earth dist.	-1293 Feb 15 j 13:00	14°♁22'29	4.42540 AU	evening set	-1287 Feb 01 j 23:50	12°♁20'26	
direct	-1293 Apr 18 j 05:01	9°♁25'59			-1287 Feb 13 j 01:41	15°♁	
	-1293 Jun 21 j 17:58	15°♁					
evening set	-1293 Aug 23 j 06:49	27°♁07'46		conjunction	-1287 Feb 15 j 05:20	15°♁31'04	-1°-9'00
max. Earth dist.	-1293 Sep 03 j 12:46	29°♁34'52	6.42006 AU	minimum elong	-1287 Feb 15 j 05:18	15°♁31'02	1°09'02
				max. Earth dist.	-1287 Feb 16 j 13:12	15°♁50'13	5.97723 AU
conjunction	-1293 Sep 05 j 03:07	29°♁55'51	1°14'49	morning rise	-1287 Feb 28 j 14:10	18°♁43'26	
minimum elong	-1293 Sep 05 j 03:06	29°♁55'50	1°14'49		-1287 Apr 20 j 06:05	0°♁	
	-1293 Sep 05 j 10:43	0°♁		retrograde	-1287 Jul 10 j 23:59	9°♁15'24	
morning rise	-1293 Sep 17 j 20:34	2°♁42'35		opposition	-1287 Sep 08 j 20:38	4°♁11'23	-1°-51'-21
retrograde	-1292 Jan 16 j 07:08	19°♁39'15		min. Earth dist.	-1287 Sep 07 j 15:54	4°♁21'07	3.98689 AU
opposition	-1292 Mar 16 j 22:45	14°♁47'25	1°48'48		-1287 Oct 16 j 05:08	30°♁	
min. Earth dist.	-1292 Mar 18 j 06:25	14°♁37'18	4.40026 AU	direct	-1287 Nov 05 j 18:01	29°♁16'26	
direct	-1292 May 18 j 16:32	9°♁46'10			-1287 Nov 26 j 08:55	0°♁	
evening set	-1292 Sep 22 j 02:21	27°♁34'35		evening set	-1286 Mar 11 j 06:09	18°♁45'14	
max. Earth dist.	-1292 Oct 02 j 18:24	29°♁56'31	6.36289 AU				
	-1292 Oct 03 j 00:39	0°♁		conjunction	-1286 Mar 24 j 19:15	21°♁57'34	-1°-11'-53
				minimum elong	-1286 Mar 24 j 19:17	21°♁57'35	1°11'54
conjunction	-1292 Oct 04 j 17:43	0°♁22'50	1°09'24	max. Earth dist.	-1286 Mar 26 j 20:39	22°♁26'50	6.01405 AU
minimum elong	-1292 Oct 04 j 17:45	0°♁22'51	1°09'25	morning rise	-1286 Apr 07 j 11:14	25°♁11'12	
morning rise	-1292 Oct 17 j 07:08	3°♁10'17			-1286 Apr 28 j 08:41	0°♁	

Planetary Phenomena of Jupiter from -1400 through -900 (UT), Astrodienst AG 14-Nov-2015 16:09, page 11

Attention, astronomical year style is used: The year -1286 in astronomical counting style is the year 1287 BCE in historical counting style.

retrograde	-1286 Aug 16 j 06:18	15°♃14'22		direct	-1280 May 23 j 02:51	14°♃13'14	
min. Earth dist.	-1286 Oct 13 j 11:36	10°♃20'10	4.05990 AU		-1280 Sep 17 j 01:40	0°♃	
opposition	-1286 Oct 14 j 20:05	10°♃09'04	-1°-33'-17	evening set	-1280 Sep 26 j 11:10	2°♃03'41	
direct	-1286 Dec 12 j 02:04	5°♃11'02		max. Earth dist.	-1280 Oct 07 j 02:59	4°♃25'56	6.35001 AU
evening set	-1285 Apr 17 j 08:04	24°♃18'15					
				conjunction	-1280 Oct 09 j 02:07	4°♃52'16	1°06'55
conjunction	-1285 May 01 j 02:19	27°♃28'14	0°-47'-46	minimum elong	-1280 Oct 09 j 02:09	4°♃52'17	1°06'54
minimum elong	-1285 May 01 j 02:22	27°♃28'16	0°47'46	morning rise	-1280 Oct 21 j 15:17	7°♃40'08	
max. Earth dist.	-1285 May 03 j 03:31	27°♃56'35	6.11653 AU	retrograde	-1279 Feb 21 j 03:01	25°♃12'01	
	-1285 May 12 j 02:13	0°♃		opposition	-1279 Apr 23 j 01:28	20°♃20'03	1°20'51
morning rise	-1285 May 14 j 21:30	0°♃38'30		min. Earth dist.	-1279 Apr 24 j 11:34	20°♃09'12	4.29780 AU
	-1285 Jul 25 j 09:58	15°♃		direct	-1279 Jun 24 j 05:02	15°♃21'36	
retrograde	-1285 Sep 19 j 09:37	19°♃41'25			-1279 Oct 11 j 20:07	0°♃	
	-1285 Nov 15 j 04:17	15°♃		evening set	-1279 Oct 27 j 18:08	3°♃33'47	
opposition	-1285 Nov 17 j 21:49	14°♃37'46	0°-42'-39	max. Earth dist.	-1279 Nov 07 j 15:03	6°♃02'54	6.23642 AU
min. Earth dist.	-1285 Nov 16 j 20:09	14°♃46'29	4.18015 AU				
direct	-1284 Jan 16 j 04:15	9°♃36'50		conjunction	-1279 Nov 09 j 08:40	6°♃26'45	0°38'44
	-1284 Mar 16 j 23:39	15°♃		minimum elong	-1279 Nov 09 j 08:42	6°♃26'46	0°38'44
evening set	-1284 May 22 j 02:47	28°♃12'00		morning rise	-1279 Nov 21 j 22:53	9°♃19'48	
	-1284 May 30 j 04:16	0°♃			-1279 Dec 17 j 11:17	15°♃	
				retrograde	-1278 Mar 27 j 12:01	27°♃45'56	
conjunction	-1284 Jun 04 j 20:18	1°♃16'09	0°-8'-1	opposition	-1278 May 27 j 11:26	22°♃52'03	0°27'57
minimum elong	-1284 Jun 04 j 20:19	1°♃16'10	0°08'00	min. Earth dist.	-1278 May 28 j 10:48	22°♃44'34	4.17134 AU
behind sun begin	-1284 Jun 04 j 12:55	1°♃12'02		direct	-1278 Jul 27 j 09:44	17°♃56'23	
behind sun end	-1284 Jun 05 j 03:43	1°♃20'17			-1278 Oct 30 j 22:53	0°♃	
max. Earth dist.	-1284 Jun 06 j 01:12	1°♃32'19	6.24508 AU	desc. node	-1278 Nov 16 j 10:44	3°♃39'31	
morning rise	-1284 Jun 18 j 13:04	4°♃19'37		evening set	-1278 Nov 29 j 09:05	6°♃38'54	
asc. node	-1284 Aug 18 j 18:20	16°♃35'55		max. Earth dist.	-1278 Dec 11 j 05:33	9°♃26'03	6.10872 AU
retrograde	-1284 Oct 20 j 12:13	22°♃19'07					
opposition	-1284 Dec 19 j 04:34	17°♃18'56	0°18'52	conjunction	-1278 Dec 12 j 02:46	9°♃38'34	0°-2'-54
min. Earth dist.	-1284 Dec 18 j 17:49	17°♃22'32	4.30478 AU	minimum elong	-1278 Dec 12 j 02:45	9°♃38'33	0°02'57
direct	-1283 Feb 17 j 19:49	12°♃16'03		behind sun begin	-1278 Dec 11 j 18:44	9°♃33'51	
	-1283 Jun 23 j 10:43	0°♃		behind sun end	-1278 Dec 12 j 10:45	9°♃43'14	
evening set	-1283 Jun 25 j 02:48	0°♃21'46		morning rise	-1278 Dec 24 j 21:36	12°♃39'07	
					-1277 Mar 26 j 11:55	0°♃	
conjunction	-1283 Jul 08 j 14:34	3°♃18'48	0°32'48	retrograde	-1277 May 03 j 01:06	2°♃08'40	
minimum elong	-1283 Jul 08 j 14:31	3°♃18'47	0°32'49		-1277 Jun 09 j 17:13	30°♃	
max. Earth dist.	-1283 Jul 08 j 18:05	3°♃20'44	6.35659 AU	opposition	-1277 Jul 02 j 16:38	27°♃11'31	0°-37'-40
morning rise	-1283 Jul 21 j 23:36	6°♃14'24		min. Earth dist.	-1277 Jul 02 j 22:24	27°♃09'39	4.05249 AU
retrograde	-1283 Nov 20 j 07:20	23°♃27'23		direct	-1277 Aug 31 j 05:29	22°♃17'55	
opposition	-1282 Jan 19 j 07:17	18°♃31'08	1°11'55		-1277 Nov 11 j 15:01	0°♃	
min. Earth dist.	-1282 Jan 19 j 13:28	18°♃29'07	4.39546 AU	evening set	-1276 Jan 02 j 22:05	11°♃30'43	
direct	-1282 Mar 22 j 03:09	13°♃27'44					
	-1282 Jul 21 j 16:25	0°♃		conjunction	-1276 Jan 15 j 21:20	14°♃37'09	0°-45'-2
evening set	-1282 Jul 27 j 11:08	1°♃14'29		minimum elong	-1276 Jan 15 j 21:17	14°♃37'07	0°45'03
				max. Earth dist.	-1276 Jan 16 j 04:19	14°♃41'20	6.00979 AU
conjunction	-1282 Aug 09 j 14:09	4°♃05'25	1°02'56	morning rise	-1276 Jan 28 j 23:20	17°♃45'09	
minimum elong	-1282 Aug 09 j 14:07	4°♃05'24	1°02'57		-1276 Mar 24 j 19:27	0°♃	
max. Earth dist.	-1282 Aug 08 j 14:47	3°♃05'42	6.41898 AU	retrograde	-1276 Jun 08 j 17:25	8°♃04'21	
morning rise	-1282 Aug 22 j 14:13	6°♃54'49		opposition	-1276 Aug 07 j 23:40	3°♃03'13	-1°-32'-10
	-1282 Sep 30 j 23:33	15°♃		min. Earth dist.	-1276 Aug 07 j 07:35	3°♃08'34	3.98471 AU
retrograde	-1282 Dec 20 j 18:22	23°♃04'70			-1276 Sep 01 j 19:30	30°♃	
opposition	-1281 Feb 19 j 02:38	18°♃05'35	1°43'45	direct	-1276 Oct 05 j 07:18	28°♃09'50	
min. Earth dist.	-1281 Feb 20 j 01:21	18°♃04'63	4.42716 AU		-1276 Nov 07 j 13:41	0°♃	
	-1281 Mar 25 j 20:27	15°♃			-1275 Jan 27 j 00:18	15°♃	
direct	-1281 Apr 22 j 17:25	13°♃05'10		evening set	-1275 Feb 07 j 06:53	17°♃40'15	
	-1281 May 20 j 18:20	15°♃					
	-1281 Aug 20 j 12:11	0°♃		conjunction	-1275 Feb 20 j 13:25	20°♃51'17	-1°-11'-11
evening set	-1281 Aug 27 j 15:40	1°♃32'33		minimum elong	-1275 Feb 20 j 13:24	20°♃51'16	1°11'13
max. Earth dist.	-1281 Sep 07 j 19:00	3°♃58'24	6.41651 AU	max. Earth dist.	-1275 Feb 22 j 00:53	21°♃12'35	5.97853 AU
				morning rise	-1275 Mar 05 j 23:17	24°♃04'01	
conjunction	-1281 Sep 09 j 11:11	4°♃20'24	1°15'19		-1275 Mar 31 j 12:09	0°♃	
minimum elong	-1281 Sep 09 j 11:11	4°♃20'24	1°15'19	retrograde	-1275 Jul 16 j 06:31	14°♃34'03	
morning rise	-1281 Sep 22 j 03:45	7°♃06'57		min. Earth dist.	-1275 Sep 12 j 20:15	9°♃39'47	3.99487 AU
retrograde	-1280 Jan 20 j 16:35	24°♃05'59		opposition	-1275 Sep 14 j 02:13	9°♃29'37	-1°-51'-20
opposition	-1280 Mar 21 j 10:34	19°♃14'12	1°47'27	direct	-1275 Nov 11 j 00:30	4°♃34'14	
min. Earth dist.	-1280 Mar 22 j 18:25	19°♃04'03	4.39172 AU	evening set	-1274 Mar 16 j 13:38	24°♃00'08	

Planetary Phenomena of Jupiter from -1400 through -900 (UT), Astrodienst AG 14-Nov-2015 16:09, page 12

Attention, astronomical year style is used: The year -1274 in astronomical counting style is the year 1275 BCE in historical counting style.

conjunction	-1274 Mar 30 j 03:45	27°♃12'14	-1°-9'-54	retrograde	-1268 Jan 25 j 05:34	28°♃33'10	
minimum elong	-1274 Mar 30 j 03:47	27°♃12'16	1°09'55	opposition	-1268 Mar 25 j 23:01	23°♃41'32	1°45'29
max. Earth dist.	-1274 Apr 01 j 07:56	27°♃43'02	6.02790 AU	min. Earth dist.	-1268 Mar 27 j 08:42	23°♃30'48	4.37837 AU
	-1274 Apr 11 j 00:46	0°♃		direct	-1268 May 27 j 15:02	18°♃40'54	
morning rise	-1274 Apr 12 j 20:19	0°♃25'30			-1268 Aug 31 j 02:03	0°♃	
retrograde	-1274 Aug 21 j 05:36	20°♃20'11		evening set	-1268 Sep 30 j 20:37	6°♃34'56	
min. Earth dist.	-1274 Oct 18 j 10:33	15°♃25'58	4.07799 AU	max. Earth dist.	-1268 Oct 11 j 12:29	8°♃57'47	6.33313 AU
opposition	-1274 Oct 19 j 18:50	15°♃14'57	-1°-27'-34				
direct	-1274 Dec 17 j 03:13	10°♃16'30		conjunction	-1268 Oct 13 j 11:27	9°♃24'07	1°04'00
evening set	-1273 Apr 22 j 11:23	29°♃18'12		minimum elong	-1268 Oct 13 j 11:29	9°♃24'08	1°03'59
	-1273 Apr 25 j 12:36	0°♃		morning rise	-1268 Oct 26 j 00:32	12°♃12'40	
				retrograde	-1267 Feb 25 j 21:03	29°♃52'10	
conjunction	-1273 May 06 j 05:39	2°♃27'19	0°-42'-44	opposition	-1267 Apr 27 j 20:27	25°♃00'03	1°14'42
minimum elong	-1273 May 06 j 05:42	2°♃27'21	0°42'44	min. Earth dist.	-1267 Apr 29 j 04:34	24°♃49'49	4.27859 AU
max. Earth dist.	-1273 May 08 j 03:35	2°♃53'39	6.13705 AU	direct	-1267 Jun 28 j 19:06	20°♃02'04	
morning rise	-1273 May 20 j 00:56	5°♃36'38			-1267 Sep 23 j 22:34	0°♃	
	-1273 Jul 02 j 17:57	15°♃		evening set	-1267 Nov 01 j 07:51	8°♃19'02	
retrograde	-1273 Sep 23 j 23:13	24°♃29'10		max. Earth dist.	-1267 Nov 12 j 08:09	10°♃50'46	6.21663 AU
opposition	-1273 Nov 22 j 12:48	19°♃25'54	0°-34'-8				
min. Earth dist.	-1273 Nov 21 j 12:57	19°♃33'59	4.20096 AU	conjunction	-1267 Nov 13 j 22:38	11°♃12'57	0°33'21
	-1272 Jan 02 j 01:54	15°♃		minimum elong	-1267 Nov 13 j 22:40	11°♃12'58	0°33'21
direct	-1272 Jan 21 j 00:16	14°♃24'34		morning rise	-1267 Nov 26 j 13:18	14°♃07'02	
	-1272 Feb 09 j 03:28	15°♃			-1267 Nov 30 j 10:02	15°♃	
	-1272 May 13 j 17:27	0°♃			-1266 Feb 18 j 01:50	0°♃	
evening set	-1272 May 26 j 23:21	2°♃54'21		retrograde	-1266 Apr 01 j 16:16	2°♃42'34	
					-1266 May 14 j 19:32	30°♃	
conjunction	-1272 Jun 09 j 16:25	5°♃57'25	0°-2'-3	opposition	-1266 Jun 01 j 13:41	27°♃48'20	0°18'51
minimum elong	-1272 Jun 09 j 16:26	5°♃57'26	0°02'03	min. Earth dist.	-1266 Jun 02 j 11:26	27°♃41'21	4.15236 AU
behind sun begin	-1272 Jun 09 j 08:06	5°♃52'48		direct	-1266 Aug 01 j 07:54	22°♃53'04	
behind sun end	-1272 Jun 10 j 00:45	6°♃02'03		desc. node	-1266 Sep 24 j 22:18	27°♃19'52	
max. Earth dist.	-1272 Jun 10 j 18:26	6°♃11'55	6.26463 AU		-1266 Oct 10 j 19:59	0°♃	
morning rise	-1272 Jun 23 j 08:08	8°♃59'39		evening set	-1266 Dec 04 j 05:05	11°♃40'13	
asc. node	-1272 Jun 28 j 14:38	10°♃09'18					
retrograde	-1272 Oct 24 j 20:53	26°♃50'46		conjunction	-1266 Dec 16 j 23:23	14°♃40'52	0°-9'-17
opposition	-1272 Dec 23 j 13:50	21°♃51'13	0°27'09	minimum elong	-1266 Dec 16 j 23:22	14°♃40'51	0°09'19
min. Earth dist.	-1272 Dec 23 j 05:40	21°♃53'56	4.32143 AU	behind sun begin	-1266 Dec 16 j 16:34	14°♃36'51	
direct	-1271 Feb 22 j 09:42	16°♃48'12		behind sun end	-1266 Dec 17 j 06:10	14°♃44'52	
	-1271 Jun 06 j 22:32	0°♃		max. Earth dist.	-1266 Dec 16 j 05:47	14°♃30'28	6.09235 AU
evening set	-1271 Jun 29 j 17:01	4°♃50'18		morning rise	-1266 Dec 29 j 19:11	17°♃42'32	
					-1265 Feb 24 j 23:47	0°♃	
conjunction	-1271 Jul 13 j 03:31	7°♃46'21	0°37'51	retrograde	-1265 May 08 j 07:47	7°♃20'08	
minimum elong	-1271 Jul 13 j 03:28	7°♃46'19	0°37'52	opposition	-1265 Jul 07 j 23:33	2°♃22'25	0°-46'-47
max. Earth dist.	-1271 Jul 13 j 01:17	7°♃45'07	6.36888 AU	min. Earth dist.	-1265 Jul 08 j 01:06	2°♃21'55	4.04047 AU
morning rise	-1271 Jul 26 j 11:29	10°♃40'59			-1265 Jul 26 j 22:53	30°♃	
retrograde	-1271 Nov 24 j 13:46	27°♃49'40		direct	-1265 Sep 05 j 06:52	27°♃29'00	
opposition	-1270 Jan 23 j 14:21	22°♃53'56	1°17'50		-1265 Oct 14 j 22:43	0°♃	
min. Earth dist.	-1270 Jan 23 j 23:48	22°♃50'50	4.40286 AU	evening set	-1264 Jan 08 j 00:21	16°♃44'38	
direct	-1270 Mar 26 j 13:50	17°♃50'30					
	-1270 Jul 05 j 03:28	0°♃		conjunction	-1264 Jan 21 j 00:29	19°♃51'44	0°-50'-7
evening set	-1270 Jul 31 j 20:42	5°♃36'12		minimum elong	-1264 Jan 21 j 00:26	19°♃51'43	0°50'09
				max. Earth dist.	-1264 Jan 21 j 12:06	19°♃58'43	6.00298 AU
conjunction	-1270 Aug 13 j 22:45	8°♃26'37	1°05'49	morning rise	-1264 Feb 03 j 03:29	23°♃00'29	
minimum elong	-1270 Aug 13 j 22:43	8°♃26'36	1°05'50		-1264 Mar 04 j 10:10	0°♃	
max. Earth dist.	-1270 Aug 12 j 21:18	8°♃12'46	6.42083 AU	retrograde	-1264 Jun 14 j 02:35	13°♃22'56	
morning rise	-1270 Aug 26 j 21:28	11°♃15'27		opposition	-1264 Aug 13 j 07:15	8°♃21'13	-1°-37'-26
	-1270 Sep 13 j 11:23	15°♃		min. Earth dist.	-1264 Aug 12 j 12:56	8°♃27'20	3.98386 AU
retrograde	-1270 Dec 25 j 00:32	28°♃07'49		direct	-1264 Oct 10 j 13:45	3°♃27'38	
opposition	-1269 Feb 23 j 10:41	23°♃14'57	1°46'03		-1263 Jan 08 j 20:31	15°♃	
min. Earth dist.	-1269 Feb 24 j 10:42	23°♃07'13	4.42365 AU	evening set	-1263 Feb 12 j 12:43	22°♃57'40	
direct	-1269 Apr 27 j 01:37	18°♃12'27					
	-1269 Aug 03 j 21:11	0°♃		conjunction	-1263 Feb 25 j 20:24	26°♃08'56	-1°-12'-47
evening set	-1269 Aug 31 j 23:53	5°♃55'25		minimum elong	-1263 Feb 25 j 20:23	26°♃08'56	1°12'48
max. Earth dist.	-1269 Sep 11 j 23:33	8°♃19'42	6.40776 AU	max. Earth dist.	-1263 Feb 27 j 12:25	26°♃32'55	5.98351 AU
				morning rise	-1263 Mar 11 j 07:13	29°♃21'51	
conjunction	-1269 Sep 13 j 18:27	8°♃43'15	1°15'23		-1263 Mar 13 j 23:31	0°♃	
minimum elong	-1269 Sep 13 j 18:27	8°♃43'15	1°15'24	retrograde	-1263 Jul 21 j 11:04	19°♃48'20	
morning rise	-1269 Sep 26 j 10:27	11°♃29'55		min. Earth dist.	-1263 Sep 17 j 22:42	14°♃54'07	4.00529 AU

Planetary Phenomena of Jupiter from -1400 through -900 (UT), Astrodienst AG 14-Nov-2015 16:09, page 13

Attention, astronomical year style is used: The year -1263 in astronomical counting style is the year 1264 BCE in historical counting style.

opposition	-1263 Sep 19 j 05:32	14° Υ 43'39	-1°-50'-25	direct	-1257 May 01 j 12:11	22° Ω 36'31	
direct	-1263 Nov 16 j 03:49	9° Υ 47'55			-1257 Jul 15 j 22:01	0° Υ	
evening set	-1262 Mar 21 j 19:17	29° Υ 10'23		evening set	-1257 Sep 05 j 08:43	10° Υ 20'56	
	-1262 Mar 25 j 08:03	0° Υ		max. Earth dist.	-1257 Sep 16 j 07:56	12° Υ 45'18	6.39885 AU
conjunction	-1262 Apr 04 j 10:02	2° Υ 22'08	-1°-7'-25	conjunction	-1257 Sep 18 j 02:44	13° Υ 08'52	1°15'02
minimum elong	-1262 Apr 04 j 10:04	2° Υ 22'10	1°07'25	minimum elong	-1257 Sep 18 j 02:45	13° Υ 08'52	1°15'03
max. Earth dist.	-1262 Apr 06 j 13:04	2° Υ 52'07	6.04257 AU	morning rise	-1257 Sep 30 j 17:58	15° Υ 55'35	
morning rise	-1262 Apr 18 j 03:24	5° Υ 35'00			-1257 Dec 15 j 10:04	0° Ω	
retrograde	-1262 Aug 26 j 00:53	25° Υ 21'11		retrograde	-1256 Jan 29 j 17:47	3° Ω 03'05	
min. Earth dist.	-1262 Oct 23 j 07:05	20° Υ 26'58	4.09531 AU		-1256 Mar 15 j 23:26	30° Υ	
opposition	-1262 Oct 24 j 14:59	20° Υ 16'04	-1°-21'-21	opposition	-1256 Mar 30 j 12:58	28° Υ 11'30	1°42'54
direct	-1262 Dec 22 j 02:45	15° Υ 17'08		min. Earth dist.	-1256 Mar 31 j 22:03	28° Υ 00'58	4.36593 AU
	-1261 Apr 08 j 14:25	0° Υ		direct	-1256 Jun 01 j 02:21	23° Υ 11'17	
evening set	-1261 Apr 27 j 12:46	4° Υ 14'02			-1256 Aug 11 j 12:04	0° Ω	
conjunction	-1261 May 11 j 07:19	7° Υ 22'25	0°-37'-29	evening set	-1256 Oct 05 j 06:56	11° Ω 08'13	
minimum elong	-1261 May 11 j 07:22	7° Υ 22'26	0°37'29	max. Earth dist.	-1256 Oct 15 j 22:45	13° Ω 31'38	6.31829 AU
max. Earth dist.	-1261 May 13 j 03:24	7° Υ 47'35	6.15583 AU	conjunction	-1256 Oct 17 j 21:23	13° Ω 57'53	1°00'42
morning rise	-1261 May 25 j 02:19	10° Υ 30'48		minimum elong	-1256 Oct 17 j 21:25	13° Ω 57'54	1°00'41
	-1261 Jun 14 j 07:07	15° Υ		morning rise	-1256 Oct 30 j 10:33	16° Ω 47'03	
retrograde	-1261 Sep 28 j 13:47	29° Υ 13'57			-1255 Jan 05 j 12:50	0° Υ	
min. Earth dist.	-1261 Nov 26 j 05:14	24° Υ 18'21	4.21923 AU	retrograde	-1255 Mar 02 j 17:52	4° Υ 33'28	
opposition	-1261 Nov 27 j 02:30	24° Υ 11'09	0°-25'-31		-1255 Apr 30 j 05:13	30° Υ	
direct	-1260 Jan 25 j 18:54	19° Υ 09'31		opposition	-1255 May 02 j 16:25	29° Ω 41'09	1°08'02
	-1260 Apr 26 j 01:35	0° Υ		min. Earth dist.	-1255 May 03 j 23:54	29° Ω 31'07	4.26227 AU
asc. node	-1260 May 08 j 11:16	2° Υ 32'29		direct	-1255 Jul 03 j 12:27	24° Ω 43'35	
evening set	-1260 May 31 j 18:50	7° Υ 34'50			-1255 Sep 02 j 11:51	0° Υ	
conjunction	-1260 Jun 14 j 11:13	10° Υ 36'57	0°03'59	evening set	-1255 Nov 05 j 21:41	13° Υ 04'07	
minimum elong	-1260 Jun 14 j 11:12	10° Υ 36'57	0°04'00		-1255 Nov 14 j 07:01	15° Υ	
behind sun begin	-1260 Jun 14 j 03:00	10° Υ 32'25		max. Earth dist.	-1255 Nov 17 j 01:15	15° Υ 38'16	6.20048 AU
behind sun end	-1260 Jun 14 j 19:24	10° Υ 41'29		conjunction	-1255 Nov 18 j 12:50	15° Υ 58'50	0°27'47
max. Earth dist.	-1260 Jun 15 j 08:44	10° Υ 48'54	6.28099 AU	minimum elong	-1255 Nov 18 j 12:52	15° Υ 58'51	0°27'46
morning rise	-1260 Jun 28 j 02:11	13° Υ 38'08		morning rise	-1255 Dec 01 j 03:59	18° Υ 53'50	
	-1260 Sep 29 j 19:10	0° Ω			-1254 Jan 22 j 11:09	0° Υ	
retrograde	-1260 Oct 29 j 04:50	1° Ω 22'14		retrograde	-1254 Apr 06 j 17:01	7° Υ 37'15	
	-1260 Nov 27 j 10:50	30° Υ		opposition	-1254 Jun 06 j 15:08	2° Υ 42'35	0°09'40
opposition	-1260 Dec 27 j 23:06	26° Υ 23'11	0°35'14	min. Earth dist.	-1254 Jun 07 j 09:20	2° Υ 36'44	4.13771 AU
min. Earth dist.	-1260 Dec 27 j 17:13	26° Υ 25'09	4.33477 AU		-1254 Jun 28 j 22:46	30° Υ	
direct	-1259 Feb 26 j 22:31	21° Υ 19'59		desc. node	-1254 Aug 04 j 11:17	27° Υ 48'00	
	-1259 May 19 j 13:56	0° Ω		direct	-1254 Aug 06 j 03:52	27° Υ 47'43	
evening set	-1259 Jul 04 j 07:03	9° Ω 19'24			-1254 Sep 12 j 20:36	0° Υ	
conjunction	-1259 Jul 17 j 16:31	12° Ω 14'37	0°42'41	evening set	-1254 Dec 09 j 00:04	16° Υ 37'59	
minimum elong	-1259 Jul 17 j 16:29	12° Ω 14'35	0°42'42	conjunction	-1254 Dec 21 j 18:55	19° Υ 39'24	0°-15'-29
max. Earth dist.	-1259 Jul 17 j 11:12	12° Ω 11'42	6.37827 AU	minimum elong	-1254 Dec 21 j 18:54	19° Υ 39'23	0°15'31
morning rise	-1259 Jul 30 j 23:07	15° Ω 08'19		behind sun begin	-1254 Dec 21 j 16:26	19° Υ 37'56	
	-1259 Oct 21 j 18:10	0° Ω		behind sun end	-1254 Dec 21 j 21:22	19° Υ 40'51	
retrograde	-1259 Nov 28 j 20:54	2° Ω 13'37		max. Earth dist.	-1254 Dec 21 j 05:17	19° Υ 31'20	6.08047 AU
	-1258 Jan 06 j 01:03	30° Υ		morning rise	-1253 Jan 03 j 15:35	22° Υ 41'57	
opposition	-1258 Jan 27 j 22:10	27° Ω 18'23	1°23'21		-1253 Feb 04 j 18:39	0° Υ	
min. Earth dist.	-1258 Jan 28 j 10:01	27° Ω 14'31	4.40786 AU	retrograde	-1253 May 13 j 13:47	12° Ω 25'58	
direct	-1258 Mar 31 j 00:24	22° Ω 15'02		opposition	-1253 Jul 13 j 04:29	7° Ω 27'40	0°-55'-20
	-1258 Jun 16 j 10:01	0° Ω		min. Earth dist.	-1253 Jul 13 j 03:21	7° Ω 28'02	4.03242 AU
evening set	-1258 Aug 05 j 07:08	10° Ω 00'08		direct	-1253 Sep 10 j 08:58	2° Ω 34'20	
max. Earth dist.	-1258 Aug 17 j 02:10	12° Ω 33'51	6.42087 AU	evening set	-1252 Jan 13 j 00:18	21° Ω 51'28	
conjunction	-1258 Aug 18 j 07:57	12° Ω 50'04	1°08'22	conjunction	-1252 Jan 26 j 01:24	24° Ω 59'08	0°-54'-40
minimum elong	-1258 Aug 18 j 07:54	12° Ω 50'03	1°08'22	minimum elong	-1252 Jan 26 j 01:21	24° Ω 59'07	0°54'42
	-1258 Aug 28 j 06:43	15° Ω		max. Earth dist.	-1252 Jan 26 j 17:59	25° Ω 09'06	5.99943 AU
morning rise	-1258 Aug 31 j 05:44	15° Ω 38'30		morning rise	-1252 Feb 08 j 05:19	28° Ω 08'26	
	-1258 Nov 18 j 12:15	0° Υ			-1252 Feb 16 j 01:35	0° \approx	
retrograde	-1258 Dec 29 j 09:55	2° Υ 31'28			-1252 May 01 j 21:35	15° \approx	
	-1257 Feb 08 j 16:44	30° Υ		retrograde	-1252 Jun 19 j 08:28	18° \approx 32'40	
opposition	-1257 Feb 27 j 20:20	27° Ω 38'51	1°47'48		-1252 Aug 07 j 03:36	15° Υ	
min. Earth dist.	-1257 Feb 28 j 22:28	27° Ω 30'26	4.41903 AU	opposition	-1252 Aug 18 j 11:15	13° \approx 30'29	-1°-41'-44

Planetary Phenomena of Jupiter from -1400 through -900 (UT), Astrodienst AG 14-Nov-2015 16:09, page 14

Attention, astronomical year style is used: The year -1252 in astronomical counting style is the year 1253 BCE in historical counting style.

min. Earth dist.	-1252 Aug 17 j 15:00	13°≈37'16	3.98553 AU	min. Earth dist.	-1246 Feb 01 j 19:38	1°Ω38'56	4.41113 AU
direct	-1252 Oct 15 j 15:24	8°≈36'45			-1246 Feb 14 j 18:09	30°R☾	
	-1252 Dec 19 j 02:12	15°≈		direct	-1246 Apr 04 j 09:59	26°☾40'02	
evening set	-1251 Feb 17 j 15:46	28°≈05'52			-1246 May 23 j 05:02	0°Ω	
	-1251 Feb 25 j 15:06	0°✕		evening set	-1246 Aug 09 j 17:09	14°Ω24'53	
					-1246 Aug 12 j 10:03	15°Ω	
conjunction	-1251 Mar 03 j 00:16	1°✕17'15	-1°-13'-45	max. Earth dist.	-1246 Aug 21 j 10:14	16°Ω57'38	6.42038 AU
minimum elong	-1251 Mar 03 j 00:16	1°✕17'14	1°13'47				
max. Earth dist.	-1251 Mar 04 j 17:02	1°✕41'37	5.98981 AU	conjunction	-1246 Aug 22 j 16:56	17°Ω14'23	1°10'30
morning rise	-1251 Mar 16 j 12:12	4°✕30'18		minimum elong	-1246 Aug 22 j 16:54	17°Ω14'22	1°10'31
retrograde	-1251 Jul 26 j 09:56	24°✕52'46		morning rise	-1246 Sep 04 j 13:32	20°Ω02'22	
min. Earth dist.	-1251 Sep 22 j 20:56	19°✕58'42	4.01565 AU		-1246 Oct 24 j 03:17	0°♆	
opposition	-1251 Sep 24 j 04:42	19°✕47'53	-1°-48'-41	retrograde	-1245 Jan 02 j 18:34	6°♆56'03	
direct	-1251 Nov 21 j 03:27	14°✕51'44		opposition	-1245 Mar 04 j 06:09	2°♆03'41	1°48'53
	-1250 Mar 08 j 15:54	0°♆		min. Earth dist.	-1245 Mar 05 j 09:25	1°♆54'56	4.41493 AU
evening set	-1250 Mar 26 j 21:28	4°♆11'15			-1245 Mar 20 j 19:30	30°RΩ	
				direct	-1245 May 05 j 22:34	27°Ω01'38	
conjunction	-1250 Apr 09 j 13:08	7°♆22'47	-1°-4'-31		-1245 Jun 20 j 22:15	0°♆	
minimum elong	-1250 Apr 09 j 13:11	7°♆22'49	1°04'32	evening set	-1245 Sep 09 j 17:24	14°♆46'57	
max. Earth dist.	-1250 Apr 11 j 16:25	7°♆52'48	6.05610 AU	max. Earth dist.	-1245 Sep 20 j 13:36	17°♆10'03	6.39118 AU
morning rise	-1250 Apr 23 j 06:54	10°♆35'14					
	-1250 Aug 19 j 01:03	0°♆		conjunction	-1245 Sep 22 j 10:33	17°♆34'52	1°14'15
retrograde	-1250 Aug 30 j 20:02	0°♆13'47		minimum elong	-1245 Sep 22 j 10:34	17°♆34'52	1°14'14
	-1250 Sep 11 j 12:02	30°R♆		morning rise	-1245 Oct 05 j 01:22	20°♆21'41	
min. Earth dist.	-1250 Oct 28 j 02:20	25°♆19'06	4.11041 AU		-1245 Nov 21 j 03:11	0°♆	
opposition	-1250 Oct 29 j 08:11	25°♆08'56	-1°-14'-47	retrograde	-1244 Feb 03 j 07:22	7°♆32'53	
direct	-1250 Dec 26 j 23:50	20°♆09'37		opposition	-1244 Apr 04 j 02:34	2°♆41'14	1°39'41
	-1249 Mar 21 j 11:17	0°♆		min. Earth dist.	-1244 Apr 05 j 12:09	2°♆30'32	4.35498 AU
evening set	-1249 May 02 j 11:24	9°♆02'47			-1244 Apr 26 j 09:56	30°R♆	
				direct	-1244 Jun 05 j 14:51	27°♆41'16	
conjunction	-1249 May 16 j 06:01	12°♆10'33	0°-32'-9		-1244 Jul 15 j 14:14	0°♆	
minimum elong	-1249 May 16 j 06:03	12°♆10'34	0°32'08	evening set	-1244 Oct 09 j 16:11	15°♆40'26	
max. Earth dist.	-1249 May 17 j 23:19	12°♆34'03	6.17132 AU	max. Earth dist.	-1244 Oct 20 j 09:49	18°♆05'16	6.30484 AU
	-1249 May 28 j 16:40	15°♆					
morning rise	-1249 May 30 j 00:54	15°♆18'12		conjunction	-1244 Oct 22 j 06:40	18°♆30'35	0°57'02
	-1249 Aug 13 j 08:09	0°♆		minimum elong	-1244 Oct 22 j 06:42	18°♆30'36	0°57'02
retrograde	-1249 Oct 03 j 00:27	3°♆53'31		morning rise	-1244 Nov 03 j 19:42	21°♆20'18	
	-1249 Nov 23 j 00:51	30°R♆			-1244 Dec 14 j 13:03	0°♆	
opposition	-1249 Dec 01 j 14:06	28°♆51'14	0°-16'-59	retrograde	-1243 Mar 07 j 11:27	9°♆13'06	
min. Earth dist.	-1249 Nov 30 j 18:10	28°♆57'58	4.23385 AU	opposition	-1243 May 07 j 11:12	4°♆20'31	1°00'57
direct	-1248 Jan 30 j 09:26	23°♆49'20		min. Earth dist.	-1243 May 08 j 17:06	4°♆10'59	4.24691 AU
asc. node	-1248 Mar 19 j 03:53	27°♆21'08			-1243 Jun 18 j 04:54	30°R♆	
	-1248 Apr 05 j 15:14	0°♆		direct	-1243 Jul 08 j 03:01	29°♆23'20	
evening set	-1248 Jun 05 j 12:51	12°♆11'45			-1243 Jul 28 j 01:36	0°♆	
					-1243 Oct 29 j 04:28	15°♆	
conjunction	-1248 Jun 19 j 04:33	15°♆13'04	0°09'45	evening set	-1243 Nov 10 j 10:26	17°♆47'10	
minimum elong	-1248 Jun 19 j 04:32	15°♆13'03	0°09'46	max. Earth dist.	-1243 Nov 21 j 15:44	20°♆22'55	6.18438 AU
behind sun begin	-1248 Jun 18 j 21:48	15°♆09'20					
behind sun end	-1248 Jun 19 j 11:15	15°♆16'45		conjunction	-1243 Nov 23 j 01:46	20°♆42'40	0°22'04
max. Earth dist.	-1248 Jun 19 j 22:03	15°♆22'45	6.29382 AU	minimum elong	-1243 Nov 23 j 01:47	20°♆42'41	0°22'03
morning rise	-1248 Jul 02 j 18:34	18°♆13'19		morning rise	-1243 Dec 05 j 17:35	23°♆38'36	
	-1248 Aug 30 j 18:56	0°♆			-1242 Jan 03 j 03:19	0°♆	
retrograde	-1248 Nov 02 j 14:14	5°♆51'47		retrograde	-1242 Apr 11 j 18:04	12°♆30'10	
opposition	-1247 Jan 01 j 07:37	0°♆53'21	0°42'58	opposition	-1242 Jun 11 j 15:32	7°♆34'59	0°00'27
min. Earth dist.	-1247 Jan 01 j 04:50	0°♆54'17	4.34497 AU	min. Earth dist.	-1242 Jun 12 j 07:46	7°♆29'44	4.12183 AU
	-1247 Jan 08 j 01:09	30°R♆		desc. node	-1242 Jun 14 j 08:14	7°♆14'07	
direct	-1247 Mar 03 j 11:24	25°♆50'06		direct	-1242 Aug 11 j 00:41	2°♆40'20	
	-1247 Apr 26 j 19:13	0°♆		evening set	-1242 Dec 13 j 18:26	21°♆34'28	
evening set	-1247 Jul 08 j 20:29	13°♆47'51					
				conjunction	-1242 Dec 26 j 14:09	24°♆36'49	0°-21'-35
conjunction	-1247 Jul 22 j 04:51	16°♆42'20	0°47'12	minimum elong	-1242 Dec 26 j 14:07	24°♆36'48	0°21'37
minimum elong	-1247 Jul 22 j 04:48	16°♆42'19	0°47'13	max. Earth dist.	-1242 Dec 26 j 04:53	24°♆31'19	6.06634 AU
max. Earth dist.	-1247 Jul 21 j 19:55	16°♆37'27	6.38502 AU	morning rise	-1241 Jan 08 j 11:38	27°♆40'22	
morning rise	-1247 Aug 04 j 10:18	19°♆35'18			-1241 Jan 18 j 10:02	0°♆	
	-1247 Sep 25 j 11:40	0°Ω		retrograde	-1241 May 18 j 19:51	17°♆31'32	
retrograde	-1247 Dec 03 j 03:33	6°Ω38'09		opposition	-1241 Jul 18 j 08:34	12°♆32'42	-1°-3'-32
opposition	-1246 Feb 01 j 06:10	1°Ω43'20	1°28'21	min. Earth dist.	-1241 Jul 18 j 05:00	12°♆33'53	4.02155 AU

Planetary Phenomena of Jupiter from -1400 through -900 (UT), Astrodienst AG 14-Nov-2015 16:09, page 15

Attention, astronomical year style is used: The year -1241 in astronomical counting style is the year 1242 BCE in historical counting style.

direct	-1241 Sep 15 j 08:48	7°♃39'25		opposition	-1235 Jan 05 j 18:00	5°♃26'53	0°50'33
evening set	-1240 Jan 18 j 01:07	26°♃59'31		min. Earth dist.	-1235 Jan 05 j 16:08	5°♃27'30	4.35991 AU
	-1240 Jan 30 j 13:57	0°♃		direct	-1235 Mar 08 j 00:53	0°♃23'36	
				evening set	-1235 Jul 13 j 10:47	18°♃17'44	
conjunction	-1240 Jan 31 j 03:04	0°♃07'53	0°-58'-50	conjunction	-1235 Jul 26 j 17:47	21°♃11'10	0°51'28
minimum elong	-1240 Jan 31 j 03:01	0°♃07'52	0°58'51	minimum elong	-1235 Jul 26 j 17:44	21°♃11'08	0°51'29
max. Earth dist.	-1240 Jan 31 j 21:51	0°♃19'11	5.99257 AU	max. Earth dist.	-1235 Jul 26 j 05:47	21°♃04'37	6.39765 AU
morning rise	-1240 Feb 13 j 08:15	3°♃17'59		morning rise	-1235 Aug 08 j 21:52	24°♃03'04	
	-1240 Apr 06 j 05:10	15°♃			-1235 Sep 06 j 06:09	0°♃	
retrograde	-1240 Jun 24 j 13:05	23°♃45'09		retrograde	-1235 Dec 07 j 10:45	11°♃01'32	
opposition	-1240 Aug 23 j 15:42	18°♃42'25	-1°-45'-20	opposition	-1234 Feb 05 j 14:25	6°♃07'09	1°32'46
min. Earth dist.	-1240 Aug 22 j 16:51	18°♃50'06	3.98358 AU	min. Earth dist.	-1234 Feb 06 j 06:22	6°♃01'59	4.42073 AU
	-1240 Sep 24 j 02:58	15°♃		direct	-1234 Apr 08 j 22:17	1°♃04'01	
direct	-1240 Oct 20 j 17:26	13°♃48'23			-1234 Jul 27 j 08:11	15°♃	
	-1240 Nov 16 j 07:28	15°♃		evening set	-1234 Aug 14 j 02:04	18°♃46'14	
	-1239 Feb 08 j 19:22	0°♃		max. Earth dist.	-1234 Aug 25 j 15:06	21°♃16'45	6.42603 AU
evening set	-1239 Feb 22 j 20:33	3°♃18'08					
conjunction	-1239 Mar 08 j 06:20	6°♃29'54	-1°-14'-9	conjunction	-1234 Aug 27 j 00:40	21°♃35'02	1°12'12
minimum elong	-1239 Mar 08 j 06:20	6°♃29'54	1°14'11	minimum elong	-1234 Aug 27 j 00:39	21°♃35'01	1°12'13
max. Earth dist.	-1239 Mar 10 j 02:27	6°♃56'15	5.99292 AU	morning rise	-1234 Sep 08 j 20:12	24°♃22'22	
morning rise	-1239 Mar 21 j 19:08	9°♃43'13			-1234 Oct 05 j 13:33	0°♃	
	-1239 Jul 26 j 10:34	0°♃		retrograde	-1233 Jan 07 j 00:42	11°♃14'58	
retrograde	-1239 Jul 31 j 13:42	0°♃02'38		opposition	-1233 Mar 08 j 14:16	6°♃22'45	1°49'17
	-1239 Aug 05 j 16:26	30°♃		min. Earth dist.	-1233 Mar 09 j 18:27	6°♃13'43	4.41637 AU
min. Earth dist.	-1239 Sep 27 j 22:37	25°♃08'15	4.02336 AU	direct	-1233 May 10 j 07:17	1°♃20'54	
opposition	-1239 Sep 29 j 05:57	24°♃57'35	-1°-46'-7	evening set	-1233 Sep 13 j 22:54	19°♃05'22	
direct	-1239 Nov 26 j 06:41	20°♃00'59		max. Earth dist.	-1233 Sep 24 j 18:33	21°♃28'18	6.38821 AU
	-1238 Feb 18 j 00:28	0°♃					
evening set	-1238 Apr 01 j 02:46	9°♃18'28		conjunction	-1233 Sep 26 j 15:27	21°♃53'07	1°13'02
conjunction	-1238 Apr 14 j 19:11	12°♃29'50	-1°-1'-4	minimum elong	-1233 Sep 26 j 15:28	21°♃53'07	1°13'01
minimum elong	-1238 Apr 14 j 19:14	12°♃29'52	1°01'04	morning rise	-1233 Oct 09 j 05:33	24°♃39'49	
max. Earth dist.	-1238 Apr 16 j 22:21	12°♃59'40	6.06771 AU		-1233 Nov 03 j 03:27	0°♃	
morning rise	-1238 Apr 28 j 13:36	15°♃42'00		retrograde	-1232 Feb 07 j 16:10	11°♃53'34	
	-1238 Jul 07 j 08:45	0°♃		opposition	-1232 Apr 08 j 13:00	7°♃01'55	1°35'56
retrograde	-1238 Sep 04 j 15:16	5°♃13'05		min. Earth dist.	-1232 Apr 09 j 23:17	6°♃51'01	4.34751 AU
min. Earth dist.	-1238 Nov 01 j 21:49	0°♃18'40	4.12475 AU	direct	-1232 Jun 10 j 00:04	2°♃02'19	
opposition	-1238 Nov 03 j 03:43	0°♃08'28	-1°-7'-31	evening set	-1232 Oct 13 j 21:39	20°♃02'46	
	-1238 Nov 04 j 04:34	30°♃		max. Earth dist.	-1232 Oct 24 j 13:37	22°♃27'08	6.29333 AU
direct	-1238 Dec 31 j 21:28	25°♃08'47		conjunction	-1232 Oct 26 j 11:49	22°♃53'18	0°53'10
	-1237 Feb 26 j 17:53	0°♃		minimum elong	-1232 Oct 26 j 11:52	22°♃53'19	0°53'09
evening set	-1237 May 07 j 13:28	13°♃58'29		morning rise	-1232 Nov 08 j 01:06	25°♃43'34	
	-1237 May 12 j 02:28	15°♃			-1232 Nov 27 j 08:50	0°♃	
conjunction	-1237 May 21 j 08:01	17°♃05'32	0°-26'-25	retrograde	-1231 Mar 12 j 02:23	13°♃42'37	
minimum elong	-1237 May 21 j 08:03	17°♃05'33	0°26'24	opposition	-1231 May 12 j 02:04	8°♃49'46	0°53'44
max. Earth dist.	-1237 May 22 j 22:16	17°♃27'13	6.18756 AU	min. Earth dist.	-1231 May 13 j 07:25	8°♃40'24	4.23179 AU
morning rise	-1237 Jun 04 j 02:38	20°♃12'20		direct	-1231 Jul 12 j 14:54	3°♃52'52	
	-1237 Jul 20 j 12:32	0°♃			-1231 Oct 12 j 15:47	15°♃	
retrograde	-1237 Oct 07 j 15:40	8°♃39'17		evening set	-1231 Nov 14 j 19:19	22°♃20'27	
min. Earth dist.	-1237 Dec 05 j 11:12	3°♃43'23	4.25055 AU	max. Earth dist.	-1231 Nov 26 j 03:50	24°♃58'36	6.16709 AU
opposition	-1237 Dec 06 j 04:34	3°♃37'31	0°-8'-7	conjunction	-1231 Nov 27 j 11:14	25°♃16'53	0°16'25
	-1236 Jan 05 j 10:34	30°♃		minimum elong	-1231 Nov 27 j 11:15	25°♃16'53	0°16'24
asc. node	-1236 Jan 27 j 04:14	28°♃41'43		morning rise	-1231 Dec 10 j 03:32	28°♃13'49	
direct	-1236 Feb 04 j 05:07	28°♃35'24			-1231 Dec 17 j 20:04	0°♃	
	-1236 Mar 05 j 08:33	0°♃		retrograde	-1230 Apr 16 j 16:01	17°♃14'15	
evening set	-1236 Jun 10 j 09:11	16°♃53'50		desc. node	-1230 Apr 26 j 06:52	17°♃05'31	
conjunction	-1236 Jun 24 j 00:09	19°♃54'09	0°15'36	opposition	-1230 Jun 16 j 12:07	12°♃18'44	0°-8'-28
minimum elong	-1236 Jun 24 j 00:08	19°♃54'08	0°15'38	min. Earth dist.	-1230 Jun 17 j 02:58	12°♃13'56	4.10362 AU
behind sun begin	-1236 Jun 23 j 22:59	19°♃53'30		direct	-1230 Aug 15 j 16:28	7°♃24'21	
behind sun end	-1236 Jun 24 j 01:16	19°♃54'46		evening set	-1230 Dec 18 j 10:10	26°♃23'48	
max. Earth dist.	-1236 Jun 24 j 15:44	20°♃02'45	6.31009 AU	conjunction	-1230 Dec 31 j 06:32	29°♃27'16	0°-27'-20
morning rise	-1236 Jul 07 j 13:03	22°♃53'16		minimum elong	-1230 Dec 31 j 06:30	29°♃27'14	0°27'23
	-1236 Aug 10 j 06:36	0°♃		max. Earth dist.	-1230 Dec 30 j 22:47	29°♃22'38	6.04878 AU
retrograde	-1236 Nov 06 j 22:00	10°♃24'47			-1229 Jan 02 j 13:27	0°♃	

Planetary Phenomena of Jupiter from -1400 through -900 (UT), Astrodienst AG 14-Nov-2015 16:09, page 16

Attention, astronomical year style is used: The year -1229 in astronomical counting style is the year 1230 BCE in historical counting style.

morning rise	-1229 Jan 13 j 05:13	2°♁32'05		conjunction	-1223 Jul 31 j 06:23	25°♁40'20	0°55'30
retrograde	-1229 May 23 j 23:13	22°♁32'11		minimum elong	-1223 Jul 31 j 06:20	25°♁40'19	0°55'31
opposition	-1229 Jul 23 j 10:19	17°♁32'50	-1°-11'-3	max. Earth dist.	-1223 Jul 30 j 15:49	25°♁32'24	6.40728 AU
min. Earth dist.	-1229 Jul 23 j 03:42	17°♁35'01	4.00642 AU	morning rise	-1223 Aug 13 j 09:02	28°♁31'17	
direct	-1229 Sep 20 j 05:21	12°♁39'33			-1223 Aug 20 j 06:00	0°♁	
	-1228 Jan 14 j 06:58	0°♁			-1223 Nov 25 j 00:02	15°♁	
evening set	-1228 Jan 23 j 00:38	2°♁04'40		retrograde	-1223 Dec 11 j 16:50	15°♁26'39	
					-1223 Dec 28 j 09:58	15°♁	
conjunction	-1228 Feb 05 j 03:53	5°♁14'05	-1°-2'-27	opposition	-1222 Feb 09 j 23:16	10°♁32'36	1°36'48
minimum elong	-1228 Feb 05 j 03:50	5°♁14'04	1°02'28	min. Earth dist.	-1222 Feb 10 j 16:30	10°♁27'01	4.42578 AU
max. Earth dist.	-1228 Feb 06 j 03:35	5°♁28'22	5.98138 AU	direct	-1222 Apr 13 j 08:51	5°♁29'33	
morning rise	-1228 Feb 18 j 10:06	8°♁25'12			-1222 Jul 09 j 14:28	15°♁	
	-1228 Mar 17 j 18:31	15°♁		evening set	-1222 Aug 18 j 11:39	23°♁10'38	
retrograde	-1228 Jun 29 j 20:19	28°♁57'03		max. Earth dist.	-1222 Aug 29 j 21:03	25°♁39'18	6.42593 AU
opposition	-1228 Aug 28 j 19:34	23°♁53'56	-1°-48'-2				
min. Earth dist.	-1228 Aug 27 j 19:37	24°♁02'00	3.97776 AU	conjunction	-1222 Aug 31 j 09:06	25°♁58'59	1°13'34
direct	-1228 Oct 25 j 19:35	18°♁59'41		minimum elong	-1222 Aug 31 j 09:05	25°♁58'58	1°13'35
	-1227 Jan 21 j 15:04	0°♁		morning rise	-1222 Sep 13 j 03:38	28°♁45'55	
evening set	-1227 Feb 28 j 02:05	8°♁31'40			-1222 Sep 18 j 20:52	0°♁	
				retrograde	-1221 Jan 11 j 10:27	15°♁39'31	
conjunction	-1227 Mar 13 j 13:00	11°♁43'58	-1°-13'-55	opposition	-1221 Mar 13 j 00:58	10°♁47'29	1°49'13
minimum elong	-1227 Mar 13 j 13:00	11°♁43'59	1°13'56	min. Earth dist.	-1221 Mar 14 j 07:27	10°♁37'44	4.41113 AU
max. Earth dist.	-1227 Mar 15 j 11:30	12°♁11'42	5.99290 AU	direct	-1221 May 14 j 19:21	5°♁45'53	
morning rise	-1227 Mar 27 j 03:03	14°♁57'48		evening set	-1221 Sep 18 j 07:18	23°♁31'33	
	-1227 Jun 07 j 06:20	0°♁		max. Earth dist.	-1221 Sep 29 j 00:16	25°♁53'24	6.37808 AU
retrograde	-1227 Aug 05 j 16:19	5°♁14'51					
min. Earth dist.	-1227 Oct 02 j 22:14	0°♁20'57	4.02929 AU	conjunction	-1221 Sep 30 j 23:16	26°♁19'26	1°11'25
opposition	-1227 Oct 04 j 07:21	0°♁09'39	-1°-42'-39	minimum elong	-1221 Sep 30 j 23:17	26°♁19'27	1°11'26
	-1227 Oct 05 j 11:40	30°♁		morning rise	-1221 Oct 13 j 13:03	29°♁06'25	
direct	-1227 Dec 01 j 07:51	25°♁12'38			-1221 Oct 17 j 14:33	0°♁	
	-1226 Jan 25 j 19:41	0°♁		retrograde	-1220 Feb 12 j 06:05	16°♁25'08	
evening set	-1226 Apr 06 j 09:12	14°♁28'39		opposition	-1220 Apr 13 j 04:02	11°♁33'22	1°31'35
				min. Earth dist.	-1220 Apr 14 j 14:01	11°♁22'33	4.33309 AU
conjunction	-1226 Apr 20 j 02:18	17°♁39'49	0°-57'-4	direct	-1220 Jun 14 j 12:33	6°♁34'04	
minimum elong	-1226 Apr 20 j 02:21	17°♁39'51	0°57'05	evening set	-1220 Oct 18 j 08:07	24°♁37'59	
max. Earth dist.	-1226 Apr 22 j 04:54	18°♁09'16	6.07899 AU	max. Earth dist.	-1220 Oct 29 j 02:26	27°♁04'14	6.27590 AU
morning rise	-1226 May 03 j 21:13	20°♁51'40					
	-1226 Jun 14 j 15:14	0°♁		conjunction	-1220 Oct 30 j 22:26	27°♁29'14	0°48'48
retrograde	-1226 Sep 09 j 12:13	10°♁15'08		minimum elong	-1220 Oct 30 j 22:29	27°♁29'16	0°48'47
min. Earth dist.	-1226 Nov 06 j 19:36	5°♁20'23	4.13976 AU		-1220 Nov 10 j 23:54	0°♁	
opposition	-1226 Nov 08 j 00:07	5°♁10'39	0°-59'-41	morning rise	-1220 Nov 12 j 11:48	0°♁20'18	
direct	-1225 Jan 05 j 22:10	0°♁10'29			-1219 Jan 27 j 12:25	15°♁	
	-1225 Apr 24 j 21:13	15°♁		retrograde	-1219 Mar 17 j 00:20	18°♁27'36	
evening set	-1225 May 12 j 15:45	18°♁56'00			-1219 May 05 j 15:45	15°♁	
				opposition	-1219 May 16 j 23:42	13°♁34'30	0°45'46
conjunction	-1225 May 26 j 10:16	22°♁02'14	0°-20'-27	min. Earth dist.	-1219 May 18 j 04:18	13°♁25'22	4.21237 AU
minimum elong	-1225 May 26 j 10:18	22°♁02'15	0°20'27	direct	-1219 Jul 17 j 08:48	8°♁38'01	
max. Earth dist.	-1225 May 27 j 23:59	22°♁23'32	6.20498 AU		-1219 Sep 22 j 08:25	15°♁	
morning rise	-1225 Jun 09 j 04:17	25°♁08'01		evening set	-1219 Nov 19 j 11:04	27°♁10'29	
	-1225 Jul 01 j 09:19	0°♁		max. Earth dist.	-1219 Nov 30 j 21:21	29°♁50'24	6.14742 AU
retrograde	-1225 Oct 12 j 04:12	13°♁25'58			-1219 Dec 01 j 13:45	0°♁	
asc. node	-1225 Dec 05 j 13:44	9°♁06'37					
opposition	-1225 Dec 10 j 18:59	8°♁24'36	0°00'49	conjunction	-1219 Dec 02 j 03:21	0°♁07'56	0°10'19
min. Earth dist.	-1225 Dec 10 j 02:31	8°♁30'09	4.26841 AU	minimum elong	-1219 Dec 02 j 03:21	0°♁07'57	0°10'18
direct	-1224 Feb 08 j 23:26	3°♁22'12		behind sun begin	-1219 Dec 01 j 20:58	0°♁04'14	
evening set	-1224 Jun 15 j 05:18	21°♁36'02		behind sun end	-1219 Dec 02 j 09:45	0°♁11'40	
				morning rise	-1219 Dec 14 j 20:34	3°♁06'05	
conjunction	-1224 Jun 28 j 19:06	24°♁35'12	0°21'23	desc. node	-1218 Mar 05 j 07:17	18°♁54'17	
minimum elong	-1224 Jun 28 j 19:05	24°♁35'11	0°21'24	retrograde	-1218 Apr 21 j 20:54	22°♁16'13	
max. Earth dist.	-1224 Jun 29 j 05:55	24°♁41'08	6.32662 AU	opposition	-1218 Jun 21 j 16:20	17°♁20'13	0°-17'-57
morning rise	-1224 Jul 12 j 06:58	27°♁33'09		min. Earth dist.	-1218 Jun 22 j 03:43	17°♁16'31	4.08539 AU
	-1224 Jul 23 j 14:00	0°♁		direct	-1218 Aug 20 j 15:01	12°♁26'07	
retrograde	-1224 Nov 11 j 07:36	14°♁57'47			-1218 Dec 16 j 23:51	0°♁	
opposition	-1223 Jan 10 j 04:18	10°♁00'20	0°57'53	evening set	-1218 Dec 23 j 09:10	1°♁30'33	
min. Earth dist.	-1223 Jan 10 j 05:45	9°♁59'51	4.37367 AU				
direct	-1223 Mar 12 j 16:44	4°♁56'55		conjunction	-1217 Jan 05 j 06:33	4°♁35'04	0°-33'-17
evening set	-1223 Jul 18 j 00:31	22°♁47'48		minimum elong	-1217 Jan 05 j 06:30	4°♁35'03	0°33'19

Planetary Phenomena of Jupiter from -1400 through -900 (UT), Astrodienst AG 14-Nov-2015 16:09, page 17

Attention, astronomical year style is used: The year -1217 in astronomical counting style is the year 1218 BCE in historical counting style.

max. Earth dist.	-1217 Jan 05 j 04:35	4°♁33'54	6.03391 AU	retrograde	-1212 Nov 15 j 12:53	19°♁22'20	
morning rise	-1217 Jan 18 j 06:05	7°♁40'58		opposition	-1211 Jan 14 j 11:32	14°♁25'28	1°04'38
retrograde	-1217 May 29 j 10:04	27°♁48'25		min. Earth dist.	-1211 Jan 14 j 14:58	14°♁24'20	4.38476 AU
opposition	-1217 Jul 28 j 18:33	22°♁48'33	-1°-18'-29	direct	-1211 Mar 17 j 03:05	9°♁22'05	
min. Earth dist.	-1217 Jul 28 j 09:42	22°♁51'28	3.99681 AU	evening set	-1211 Jul 22 j 11:12	27°♁10'54	
direct	-1217 Sep 25 j 10:19	17°♁55'20					
	-1217 Dec 27 j 08:06	0°♁		conjunction	-1211 Aug 04 j 15:42	0°♁02'41	0°59'06
evening set	-1216 Jan 28 j 06:21	7°♁23'04		minimum elong	-1211 Aug 04 j 15:39	0°♁02'40	0°59'08
				max. Earth dist.	-1211 Aug 03 j 19:49	29°♁51'52	6.41294 AU
conjunction	-1216 Feb 10 j 10:34	10°♁33'06	-1°-5'-47		-1211 Aug 04 j 10:46	0°♁	
minimum elong	-1216 Feb 10 j 10:32	10°♁33'04	1°05'49	morning rise	-1211 Aug 17 j 17:16	2°♁52'56	
max. Earth dist.	-1216 Feb 11 j 14:07	10°♁49'41	5.97794 AU		-1211 Oct 19 j 13:05	15°♁	
morning rise	-1216 Feb 23 j 18:05	13°♁44'53		retrograde	-1211 Dec 15 j 23:55	19°♁46'57	
	-1216 Feb 29 j 00:19	15°♁			-1210 Feb 13 j 09:52	15°♁R♁	
	-1216 May 12 j 18:07	0°♁		opposition	-1210 Feb 14 j 06:31	14°♁53'19	1°40'15
retrograde	-1216 Jul 05 j 04:05	4°♁17'21		min. Earth dist.	-1210 Feb 15 j 03:08	14°♁46'39	4.42593 AU
	-1216 Aug 28 j 09:18	30°♁R♁		direct	-1210 Apr 17 j 19:07	9°♁50'23	
min. Earth dist.	-1216 Sep 01 j 23:27	29°♁22'59	3.98140 AU		-1210 Jun 18 j 15:35	15°♁	
opposition	-1216 Sep 03 j 02:37	29°♁13'49	-1°-49'-57	evening set	-1210 Aug 22 j 19:36	27°♁32'06	
direct	-1216 Oct 31 j 00:42	24°♁19'18		max. Earth dist.	-1210 Sep 03 j 02:08	29°♁59'27	6.42040 AU
	-1216 Dec 30 j 10:19	0°♁			-1210 Sep 03 j 03:07	0°♁	
evening set	-1215 Mar 05 j 10:05	13°♁49'45		conjunction	-1210 Sep 04 j 16:17	0°♁20'18	1°14'31
				minimum elong	-1210 Sep 04 j 16:16	0°♁20'18	1°14'31
conjunction	-1215 Mar 18 j 21:58	17°♁02'02	-1°-13'-9	morning rise	-1210 Sep 17 j 09:53	3°♁07'07	
minimum elong	-1215 Mar 18 j 21:59	17°♁02'03	1°13'09	retrograde	-1209 Jan 15 j 18:56	20°♁03'41	
max. Earth dist.	-1215 Mar 20 j 22:12	17°♁30'42	6.00310 AU	opposition	-1209 Mar 17 j 11:21	15°♁11'48	1°48'34
morning rise	-1215 Apr 01 j 12:53	20°♁15'44		min. Earth dist.	-1209 Mar 18 j 18:12	15°♁01'57	4.40052 AU
	-1215 May 15 j 04:27	0°♁		direct	-1209 May 19 j 04:03	10°♁10'30	
retrograde	-1215 Aug 10 j 17:51	10°♁26'11		evening set	-1209 Sep 22 j 15:44	27°♁59'10	
min. Earth dist.	-1215 Oct 07 j 23:43	5°♁32'06	4.04473 AU		-1209 Oct 01 j 17:55	0°♁	
opposition	-1215 Oct 09 j 08:38	5°♁20'51	-1°-38'-24	max. Earth dist.	-1209 Oct 03 j 08:17	0°♁21'20	6.36318 AU
direct	-1215 Dec 06 j 12:12	0°♁23'22					
evening set	-1214 Apr 11 j 14:17	19°♁34'30		conjunction	-1209 Oct 05 j 07:15	0°♁47'28	1°09'23
				minimum elong	-1209 Oct 05 j 07:17	0°♁47'29	1°09'24
conjunction	-1214 Apr 25 j 07:58	22°♁45'02	0°-52'-45	morning rise	-1209 Oct 17 j 20:47	3°♁34'57	
minimum elong	-1214 Apr 25 j 08:01	22°♁45'04	0°52'44	retrograde	-1208 Feb 16 j 23:11	21°♁00'24	
max. Earth dist.	-1214 Apr 27 j 11:08	23°♁14'39	6.09833 AU	opposition	-1208 Apr 17 j 20:43	16°♁08'37	1°26'38
morning rise	-1214 May 09 j 02:56	25°♁56'02		min. Earth dist.	-1208 Apr 19 j 07:18	15°♁57'37	4.31477 AU
	-1214 May 27 j 03:10	0°♁		direct	-1208 Jun 19 j 03:23	11°♁09'44	
retrograde	-1214 Sep 04 j 15:06	15°♁		evening set	-1208 Oct 22 j 20:00	29°♁18'14	
	-1214 Sep 14 j 05:04	15°♁09'08			-1208 Oct 25 j 21:40	0°♁	
	-1214 Sep 23 j 17:59	15°♁R♁		max. Earth dist.	-1208 Nov 02 j 14:59	1°♁45'35	6.25575 AU
opposition	-1214 Nov 12 j 17:27	10°♁05'01	0°-51'-38				
min. Earth dist.	-1214 Nov 11 j 13:51	10°♁14'24	4.16082 AU	conjunction	-1208 Nov 04 j 10:25	2°♁10'22	0°44'05
direct	-1213 Jan 10 j 19:05	5°♁04'31		minimum elong	-1208 Nov 04 j 10:27	2°♁10'24	0°44'03
	-1213 Apr 06 j 13:51	15°♁		morning rise	-1208 Nov 17 j 00:15	5°♁02'27	
evening set	-1213 May 17 j 14:43	23°♁44'16			-1207 Jan 02 j 21:57	15°♁	
				retrograde	-1207 Mar 21 j 23:54	23°♁18'59	
conjunction	-1213 May 31 j 08:41	26°♁49'25	0°-14'-33	opposition	-1207 May 21 j 23:32	18°♁25'33	0°37'20
minimum elong	-1213 May 31 j 08:42	26°♁49'26	0°14'33	min. Earth dist.	-1207 May 23 j 01:05	18°♁17'22	4.19190 AU
behind sun begin	-1213 May 31 j 05:25	26°♁47'36			-1207 Jun 20 j 14:58	15°♁R♁	
behind sun end	-1213 May 31 j 11:59	26°♁51'16		direct	-1207 Jul 22 j 03:05	13°♁29'27	
max. Earth dist.	-1213 Jun 01 j 17:28	27°♁07'50	6.22592 AU		-1207 Aug 22 j 09:58	15°♁	
morning rise	-1213 Jun 14 j 02:14	29°♁54'03			-1207 Nov 15 j 01:04	0°♁	
	-1213 Jun 14 j 12:55	0°♁		evening set	-1207 Nov 24 j 04:59	2°♁07'02	
asc. node	-1213 Oct 15 j 10:22	18°♁02'30					
retrograde	-1213 Oct 16 j 14:05	18°♁02'38		conjunction	-1207 Dec 06 j 21:55	5°♁05'32	0°04'03
opposition	-1213 Dec 15 j 05:50	13°♁01'48	0°09'25	minimum elong	-1207 Dec 06 j 21:56	5°♁05'33	0°04'02
min. Earth dist.	-1213 Dec 14 j 16:23	13°♁06'19	4.28735 AU	behind sun begin	-1207 Dec 06 j 14:02	5°♁00'56	
direct	-1212 Feb 13 j 15:48	7°♁59'09		behind sun end	-1207 Dec 07 j 05:51	5°♁10'10	
evening set	-1212 Jun 19 j 21:05	26°♁08'32		max. Earth dist.	-1207 Dec 05 j 20:59	4°♁50'54	6.12862 AU
				morning rise	-1207 Dec 19 j 15:48	8°♁04'49	
conjunction	-1212 Jul 03 j 10:05	29°♁06'41	0°26'51	desc. node	-1206 Jan 11 j 20:11	13°♁22'13	
minimum elong	-1212 Jul 03 j 10:04	29°♁06'40	0°26'51	retrograde	-1206 Apr 27 j 05:30	27°♁24'04	
max. Earth dist.	-1212 Jul 03 j 18:00	29°♁11'01	6.34213 AU		-1206 Jun 26 j 22:28	22°♁27'32	0°-27'-27
	-1212 Jul 07 j 11:07	0°♁		opposition	-1206 Jun 27 j 07:31	22°♁24'35	4.06993 AU
morning rise	-1212 Jul 16 j 20:35	2°♁03'29		min. Earth dist.			

Planetary Phenomena of Jupiter from -1400 through -900 (UT), Astrodienst AG 14-Nov-2015 16:09, page 18

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

direct	-1206 Aug 25 j 17:01	17°♌33'40		direct	-1200 Feb 18 j 06:32	12°♈33'54	
	-1206 Nov 29 j 08:13	0°♌			-1200 Jun 21 j 11:21	0°♌	
evening set	-1206 Dec 28 j 09:51	6°♌41'49		evening set	-1200 Jun 24 j 12:43	0°♌39'51	
conjunction	-1205 Jan 10 j 08:01	9°♌47'10	0°-39'-1	conjunction	-1200 Jul 08 j 00:32	3°♌37'02	0°32'08
minimum elong	-1205 Jan 10 j 07:58	9°♌47'09	0°39'02	minimum elong	-1200 Jul 08 j 00:29	3°♌37'00	0°32'08
max. Earth dist.	-1205 Jan 10 j 10:01	9°♌48'22	6.02309 AU	max. Earth dist.	-1200 Jul 08 j 02:55	3°♌38'20	6.35439 AU
morning rise	-1205 Jan 23 j 08:44	12°♌54'01		morning rise	-1200 Jul 21 j 10:00	6°♌32'52	
	-1205 Apr 19 j 11:53	0°♌		retrograde	-1200 Nov 19 j 20:01	23°♌47'04	
retrograde	-1205 Jun 03 j 18:31	3°♌06'37		opposition	-1199 Jan 18 j 19:15	18°♌50'42	1°11'02
	-1205 Jul 19 j 10:42	30°♌♌		min. Earth dist.	-1199 Jan 19 j 01:48	18°♌48'33	4.39283 AU
opposition	-1205 Aug 03 j 02:51	28°♌06'07	-1°-25'-16	direct	-1199 Mar 21 j 14:36	13°♌47'15	
min. Earth dist.	-1205 Aug 02 j 13:56	28°♌10'24	3.99203 AU		-1199 Jul 19 j 13:27	0°♌	
direct	-1205 Sep 30 j 14:21	23°♌12'50		evening set	-1199 Jul 26 j 22:11	1°♌34'50	
	-1205 Dec 06 j 09:26	0°♌		max. Earth dist.	-1199 Aug 08 j 03:51	4°♌14'09	6.41618 AU
evening set	-1204 Feb 02 j 11:56	12°♌41'15					
	-1204 Feb 12 j 03:17	15°♌		conjunction	-1199 Aug 09 j 01:42	4°♌26'03	1°02'24
conjunction	-1204 Feb 15 j 17:09	15°♌51'39	-1°-8'-34	minimum elong	-1199 Aug 09 j 01:40	4°♌26'02	1°02'25
minimum elong	-1204 Feb 15 j 17:07	15°♌51'38	1°08'36	morning rise	-1199 Aug 22 j 01:55	7°♌15'40	
max. Earth dist.	-1204 Feb 17 j 00:34	16°♌10'32	5.97924 AU		-1199 Sep 28 j 14:49	15°♌	
morning rise	-1204 Feb 29 j 01:39	19°♌03'47		retrograde	-1199 Dec 20 j 06:26	24°♌09'02	
	-1204 Apr 18 j 01:02	0°♌		opposition	-1198 Feb 18 j 14:54	19°♌15'47	1°43'11
retrograde	-1204 Jul 10 j 10:45	9°♌34'49		min. Earth dist.	-1198 Feb 19 j 12:46	19°♌08'43	4.42440 AU
min. Earth dist.	-1204 Sep 07 j 03:50	4°♌40'22	3.98867 AU		-1198 Mar 30 j 07:18	15°♌	
opposition	-1204 Sep 08 j 08:04	4°♌30'48	-1°-50'-57	direct	-1198 Apr 22 j 04:03	14°♌13'04	
	-1204 Oct 21 j 00:51	30°♌♌			-1198 May 15 j 05:28	15°♌	
direct	-1204 Nov 05 j 06:52	29°♌35'53		evening set	-1198 Aug 18 j 05:47	0°♌	
	-1204 Nov 20 j 12:35	0°♌		max. Earth dist.	-1198 Aug 27 j 04:28	1°♌55'40	
evening set	-1203 Mar 10 j 16:38	19°♌03'39			-1198 Sep 07 j 07:12	4°♌21'18	6.41408 AU
				conjunction	-1198 Sep 09 j 00:07	4°♌43'43	1°15'03
conjunction	-1203 Mar 24 j 05:34	22°♌15'47	-1°-11'-49	minimum elong	-1198 Sep 09 j 00:06	4°♌43'43	1°15'03
minimum elong	-1203 Mar 24 j 05:36	22°♌15'48	1°11'50	morning rise	-1198 Sep 21 j 17:05	7°♌30'30	
max. Earth dist.	-1203 Mar 26 j 08:29	22°♌45'56	6.01555 AU	retrograde	-1197 Jan 20 j 07:22	24°♌30'19	
morning rise	-1203 Apr 06 j 21:10	25°♌29'13		opposition	-1197 Mar 21 j 23:33	19°♌38'37	1°47'17
	-1203 Apr 26 j 10:47	0°♌		min. Earth dist.	-1197 Mar 23 j 08:12	19°♌28'11	4.38992 AU
retrograde	-1203 Aug 15 j 17:24	15°♌32'03		direct	-1197 May 23 j 16:31	14°♌37'38	
min. Earth dist.	-1203 Oct 12 j 22:41	10°♌37'56	4.06104 AU		-1197 Sep 15 j 16:58	0°♌	
opposition	-1203 Oct 14 j 07:26	10°♌26'46	-1°-33'-30	evening set	-1197 Sep 27 j 01:06	2°♌29'01	
direct	-1203 Dec 11 j 12:45	5°♌28'51		max. Earth dist.	-1197 Oct 07 j 17:37	4°♌51'40	6.34927 AU
evening set	-1202 Apr 16 j 17:36	24°♌35'09					
				conjunction	-1197 Oct 09 j 16:22	5°♌17'45	1°06'57
conjunction	-1202 Apr 30 j 11:30	27°♌44'59	0°-48'-7	minimum elong	-1197 Oct 09 j 16:24	5°♌17'47	1°06'56
minimum elong	-1202 Apr 30 j 11:33	27°♌45'01	0°48'07	morning rise	-1197 Oct 22 j 05:39	8°♌05'44	
max. Earth dist.	-1202 May 02 j 11:28	28°♌12'37	6.11698 AU	retrograde	-1196 Feb 21 j 15:23	25°♌37'33	
	-1202 May 10 j 06:16	0°♌		opposition	-1196 Apr 22 j 14:20	20°♌45'40	1°21'07
morning rise	-1202 May 14 j 06:47	0°♌55'13		min. Earth dist.	-1196 Apr 23 j 23:04	20°♌35'15	4.29860 AU
	-1202 Jul 23 j 00:02	15°♌		direct	-1196 Jun 23 j 16:47	15°♌47'15	
retrograde	-1202 Sep 18 j 19:42	19°♌58'36			-1196 Oct 09 j 11:17	0°♌	
min. Earth dist.	-1202 Nov 16 j 07:17	15°♌03'37	4.17990 AU	evening set	-1196 Oct 27 j 08:36	3°♌59'33	
	-1202 Nov 16 j 17:56	15°♌		max. Earth dist.	-1196 Nov 07 j 06:34	6°♌29'10	6.23892 AU
opposition	-1202 Nov 17 j 09:08	14°♌54'50	0°-43'-25				
direct	-1201 Jan 15 j 15:26	9°♌53'55		conjunction	-1196 Nov 08 j 23:09	6°♌52'26	0°39'04
	-1201 Mar 15 j 14:56	15°♌		minimum elong	-1196 Nov 08 j 23:11	6°♌52'28	0°39'04
evening set	-1201 May 22 j 12:00	28°♌28'47		morning rise	-1196 Nov 21 j 13:18	9°♌45'23	
	-1201 May 29 j 07:33	0°♌			-1196 Dec 15 j 02:19	15°♌	
conjunction	-1201 Jun 05 j 05:44	1°♌33'01	0°-8'-38	retrograde	-1195 Mar 27 j 01:30	28°♌10'01	
minimum elong	-1201 Jun 05 j 05:44	1°♌33'01	0°08'38	opposition	-1195 May 26 j 23:38	23°♌16'17	0°28'40
behind sun begin	-1201 Jun 04 j 22:32	1°♌29'00		min. Earth dist.	-1195 May 27 j 23:47	23°♌08'32	4.17550 AU
behind sun end	-1201 Jun 05 j 12:55	1°♌37'01		direct	-1195 Jul 26 j 23:41	18°♌20'36	
max. Earth dist.	-1201 Jun 06 j 11:56	1°♌49'55	6.24418 AU		-1195 Oct 28 j 16:23	0°♌	
morning rise	-1201 Jun 18 j 22:23	4°♌36'30		desc. node	-1195 Nov 21 j 07:41	5°♌15'46	
asc. node	-1201 Aug 25 j 08:07	17°♌52'01		evening set	-1195 Nov 28 j 22:25	7°♌01'50	
retrograde	-1201 Oct 21 j 00:02	22°♌36'56					
opposition	-1201 Dec 19 j 16:05	17°♌36'42	0°17'53	conjunction	-1195 Dec 11 j 15:54	10°♌01'12	0°-2'-18
min. Earth dist.	-1201 Dec 19 j 05:04	17°♌40'23	4.30325 AU	minimum elong	-1195 Dec 11 j 15:54	10°♌01'12	0°02'20
				behind sun begin	-1195 Dec 11 j 07:52	9°♌56'30	

Planetary Phenomena of Jupiter from -1400 through -900 (UT), Astrodienst AG 14-Nov-2015 16:09, page 19

Attention, astronomical year style is used: The year -1195 in astronomical counting style is the year 1196 BCE in historical counting style.

behind sun end	-1195 Dec 11 j 23:56	10° \mathcal{A} 05'54		max. Earth dist.	-1189 Jun 11 j 02:28	6° \mathbb{I} 26'51	6.25861 AU
max. Earth dist.	-1195 Dec 10 j 18:07	9° \mathcal{A} 48'23	6.11423 AU	morning rise	-1189 Jun 23 j 16:41	9° \mathbb{I} 15'02	
morning rise	-1195 Dec 24 j 10:38	13° \mathcal{A} 01'27		asc. node	-1189 Jul 06 j 03:04	11° \mathbb{I} 58'34	
	-1194 Mar 23 j 00:28	0° \mathcal{B}		retrograde	-1189 Oct 25 j 08:06	27° \mathbb{I} 08'51	
retrograde	-1194 May 02 j 09:16	2° \mathcal{B} 28'06		opposition	-1189 Dec 24 j 01:02	22° \mathbb{I} 09'08	0°26'04
	-1194 Jun 12 j 02:43	30° \mathcal{R} \mathcal{A}		min. Earth dist.	-1189 Dec 23 j 16:06	22° \mathbb{I} 12'08	4.31535 AU
opposition	-1194 Jul 02 j 02:52	27° \mathcal{A} 31'03	0°-36'-35	direct	-1188 Feb 22 j 18:52	17° \mathbb{I} 06'08	
min. Earth dist.	-1194 Jul 02 j 07:53	27° \mathcal{A} 29'25	4.05898 AU		-1188 Jun 04 j 19:16	0° \mathcal{B}	
direct	-1194 Aug 30 j 15:59	22° \mathcal{A} 37'27		evening set	-1188 Jun 29 j 03:13	5° \mathcal{B} 09'56	
	-1194 Nov 09 j 11:06	0° \mathcal{B}					
evening set	-1193 Jan 02 j 08:54	11° \mathcal{B} 47'57		conjunction	-1188 Jul 12 j 14:06	8° \mathcal{B} 06'21	0°37'08
				minimum elong	-1188 Jul 12 j 14:04	8° \mathcal{B} 06'19	0°37'10
conjunction	-1193 Jan 15 j 07:51	14° \mathcal{B} 53'56	0°-44'-18	max. Earth dist.	-1188 Jul 12 j 13:39	8° \mathcal{B} 06'06	6.36343 AU
minimum elong	-1193 Jan 15 j 07:48	14° \mathcal{B} 53'54	0°44'20	morning rise	-1188 Jul 25 j 22:17	11° \mathcal{B} 01'19	
max. Earth dist.	-1193 Jan 15 j 14:17	14° \mathcal{B} 57'47	6.01644 AU	retrograde	-1188 Nov 24 j 03:25	28° \mathcal{B} 11'58	
morning rise	-1193 Jan 28 j 09:28	18° \mathcal{B} 01'28		opposition	-1187 Jan 23 j 03:00	23° \mathcal{B} 16'08	1°16'57
	-1193 Mar 23 j 21:30	0° \mathcal{A}		min. Earth dist.	-1187 Jan 23 j 11:43	23° \mathcal{B} 13'17	4.39841 AU
retrograde	-1193 Jun 09 j 01:01	8° \mathcal{A} 17'38		direct	-1187 Mar 26 j 01:14	18° \mathcal{B} 12'45	
opposition	-1193 Aug 08 j 07:52	3° \mathcal{A} 16'35	-1°-31'-9		-1187 Jul 02 j 17:32	0° \mathcal{A}	
min. Earth dist.	-1193 Aug 07 j 16:57	3° \mathcal{A} 21'33	3.99045 AU	evening set	-1187 Jul 31 j 09:02	5° \mathcal{A} 59'35	
	-1193 Sep 04 j 09:34	30° \mathcal{R} \mathcal{B}		max. Earth dist.	-1187 Aug 12 j 09:29	8° \mathcal{A} 36'11	6.41774 AU
direct	-1193 Oct 05 j 18:11	28° \mathcal{B} 23'11					
	-1193 Nov 05 j 20:25	0° \mathcal{A}		conjunction	-1187 Aug 13 j 11:17	8° \mathcal{A} 50'14	1°05'19
	-1192 Jan 26 j 12:47	15° \mathcal{A}		minimum elong	-1187 Aug 13 j 11:15	8° \mathcal{A} 50'12	1°05'19
evening set	-1192 Feb 07 j 14:42	17° \mathcal{A} 51'30		morning rise	-1187 Aug 26 j 10:31	11° \mathcal{A} 39'21	
					-1187 Sep 11 j 02:28	15° \mathcal{A}	
conjunction	-1192 Feb 20 j 21:01	21° \mathcal{A} 02'12	-1°-10'-43	retrograde	-1187 Dec 24 j 14:57	28° \mathcal{A} 32'31	
minimum elong	-1192 Feb 20 j 20:59	21° \mathcal{A} 02'11	1°10'44	opposition	-1186 Feb 22 j 23:53	23° \mathcal{A} 39'31	1°45'30
max. Earth dist.	-1192 Feb 22 j 08:34	21° \mathcal{A} 23'32	5.98276 AU	min. Earth dist.	-1186 Feb 23 j 23:42	23° \mathcal{A} 31'50	4.42218 AU
morning rise	-1192 Mar 05 j 06:27	24° \mathcal{A} 14'35		direct	-1186 Apr 26 j 14:29	18° \mathcal{A} 36'55	
	-1192 Mar 30 j 00:58	0° \mathcal{K}			-1186 Aug 01 j 08:48	0° \mathcal{K}	
retrograde	-1192 Jul 15 j 13:27	14° \mathcal{K} 43'08		evening set	-1186 Aug 31 j 13:14	6° \mathcal{K} 20'12	
min. Earth dist.	-1192 Sep 12 j 04:09	9° \mathcal{K} 48'46	3.99709 AU	max. Earth dist.	-1186 Sep 11 j 15:26	8° \mathcal{K} 45'46	6.40816 AU
opposition	-1192 Sep 13 j 09:22	9° \mathcal{K} 38'52	-1°-50'-59				
direct	-1192 Nov 10 j 07:32	4° \mathcal{K} 43'37		conjunction	-1186 Sep 13 j 08:13	9° \mathcal{K} 08'10	1°15'08
evening set	-1191 Mar 15 j 19:45	24° \mathcal{K} 08'43		minimum elong	-1186 Sep 13 j 08:13	9° \mathcal{K} 08'10	1°15'09
				morning rise	-1186 Sep 26 j 00:15	11° \mathcal{K} 54'51	
conjunction	-1191 Mar 29 j 09:24	27° \mathcal{K} 20'39	-1°-9'-58	retrograde	-1185 Jan 24 j 17:31	28° \mathcal{K} 57'30	
minimum elong	-1191 Mar 29 j 09:27	27° \mathcal{K} 20'41	1°09'59	opposition	-1185 Mar 26 j 11:42	24° \mathcal{K} 05'49	1°45'20
max. Earth dist.	-1191 Mar 31 j 11:11	27° \mathcal{K} 50'02	6.02779 AU	min. Earth dist.	-1185 Mar 27 j 20:00	23° \mathcal{K} 55'31	4.38069 AU
	-1191 Apr 09 j 16:05	0° \mathcal{Y}		direct	-1185 May 28 j 02:52	19° \mathcal{K} 05'09	
morning rise	-1191 Apr 12 j 01:55	0° \mathcal{Y} 33'52			-1185 Aug 29 j 15:57	0° \mathcal{L}	
retrograde	-1191 Aug 20 j 11:50	20° \mathcal{Y} 29'31		evening set	-1185 Oct 01 j 10:01	6° \mathcal{L} 58'23	
min. Earth dist.	-1191 Oct 17 j 18:06	15° \mathcal{Y} 35'22	4.07573 AU	max. Earth dist.	-1185 Oct 12 j 01:42	9° \mathcal{L} 21'03	6.33720 AU
opposition	-1191 Oct 19 j 02:28	15° \mathcal{Y} 24'19	-1°-28'-6				
direct	-1191 Dec 16 j 10:29	10° \mathcal{Y} 25'57		conjunction	-1185 Oct 14 j 00:48	9° \mathcal{L} 47'26	1°04'06
evening set	-1190 Apr 21 j 17:34	29° \mathcal{Y} 28'23		minimum elong	-1185 Oct 14 j 00:50	9° \mathcal{L} 47'27	1°04'05
	-1190 Apr 24 j 00:56	0° \mathcal{Z}		morning rise	-1185 Oct 26 j 14:03	12° \mathcal{L} 35'51	
					-1184 Feb 14 j 10:12	0° \mathcal{M}	
conjunction	-1190 May 05 j 11:57	2° \mathcal{Z} 37'42	0°-43'-17	retrograde	-1184 Feb 26 j 09:22	0° \mathcal{M} 13'23	
minimum elong	-1190 May 05 j 12:00	2° \mathcal{Z} 37'44	0°43'18		-1184 Mar 09 j 07:29	30° \mathcal{R} \mathcal{L}	
max. Earth dist.	-1190 May 07 j 10:24	3° \mathcal{Z} 04'22	6.13309 AU	opposition	-1184 Apr 27 j 07:43	25° \mathcal{L} 21'15	1°15'05
morning rise	-1190 May 19 j 07:05	5° \mathcal{Z} 47'11		min. Earth dist.	-1184 Apr 28 j 16:29	25° \mathcal{L} 10'49	4.28407 AU
	-1190 Jul 01 j 01:27	15° \mathcal{Z}		direct	-1184 Jun 28 j 08:12	20° \mathcal{L} 23'07	
retrograde	-1190 Sep 23 j 10:04	24° \mathcal{Z} 42'10			-1184 Sep 21 j 18:01	0° \mathcal{M}	
opposition	-1190 Nov 21 j 22:09	19° \mathcal{Z} 38'52	0°-35'-10	evening set	-1184 Oct 31 j 19:55	8° \mathcal{M} 38'25	
min. Earth dist.	-1190 Nov 20 j 22:45	19° \mathcal{Z} 46'49	4.19575 AU	max. Earth dist.	-1184 Nov 11 j 20:06	11° \mathcal{M} 09'49	6.22307 AU
	-1189 Jan 05 j 08:05	15° \mathcal{R} \mathcal{Z}					
direct	-1189 Jan 20 j 08:57	14° \mathcal{Z} 37'40		conjunction	-1184 Nov 13 j 10:45	11° \mathcal{M} 32'03	0°33'50
	-1189 Feb 04 j 11:48	15° \mathcal{Z}		minimum elong	-1184 Nov 13 j 10:47	11° \mathcal{M} 32'04	0°33'49
	-1189 May 12 j 22:47	0° \mathbb{I}		morning rise	-1184 Nov 26 j 01:17	14° \mathcal{M} 25'50	
evening set	-1189 May 27 j 07:26	3° \mathbb{I} 09'01			-1184 Nov 28 j 13:07	15° \mathcal{M}	
					-1183 Feb 15 j 07:10	0° \mathcal{A}	
conjunction	-1189 Jun 10 j 00:37	6° \mathbb{I} 12'26	0°-2'-49	retrograde	-1183 Mar 31 j 23:23	2° \mathcal{A} 58'14	
minimum elong	-1189 Jun 10 j 00:36	6° \mathbb{I} 12'26	0°02'48		-1183 May 16 j 10:30	30° \mathcal{R} \mathcal{M}	
behind sun begin	-1189 Jun 09 j 16:17	6° \mathbb{I} 07'49		opposition	-1183 May 31 j 22:19	28° \mathcal{M} 04'03	0°19'50
behind sun end	-1189 Jun 10 j 08:55	6° \mathbb{I} 17'03		min. Earth dist.	-1183 Jun 01 j 19:38	27° \mathcal{M} 57'12	4.15935 AU

Planetary Phenomena of Jupiter from -1400 through -900 (UT), Astrodienst AG 14-Nov-2015 16:09, page 20

Attention, astronomical year style is used: The year -1183 in astronomical counting style is the year 1184 BCE in historical counting style.

direct	-1183 Jul 31 j 16:57	23°♁08'42		conjunction	-1177 Jun 14 j 21:59	10°♁57'38	0°03'19
desc. node	-1183 Oct 01 j 03:44	28°♁39'48		minimum elong	-1177 Jun 14 j 22:00	10°♁57'39	0°03'20
	-1183 Oct 08 j 21:30	0°♁		behind sun begin	-1177 Jun 14 j 13:44	10°♁53'04	
evening set	-1183 Dec 03 j 15:02	11°♁53'43		behind sun end	-1177 Jun 15 j 06:15	11°♁02'13	
				max. Earth dist.	-1177 Jun 15 j 20:50	11°♁10'21	6.27476 AU
conjunction	-1183 Dec 16 j 09:02	14°♁53'58	0°-8'-29	morning rise	-1177 Jun 28 j 13:10	13°♁59'12	
minimum elong	-1183 Dec 16 j 09:01	14°♁53'57	0°08'31		-1177 Sep 26 j 06:59	0°♁	
behind sun begin	-1183 Dec 16 j 01:58	14°♁49'49		retrograde	-1177 Oct 29 j 20:08	1°♁45'48	
behind sun end	-1183 Dec 16 j 16:04	14°♁58'06			-1177 Dec 02 j 03:14	30°♁	
max. Earth dist.	-1183 Dec 15 j 14:24	14°♁42'58	6.09913 AU	opposition	-1177 Dec 28 j 12:39	26°♁46'43	0°34'17
morning rise	-1183 Dec 29 j 04:35	17°♁55'13		min. Earth dist.	-1177 Dec 28 j 06:17	26°♁48'50	4.33056 AU
	-1182 Feb 23 j 08:00	0°♁		direct	-1176 Feb 27 j 11:29	21°♁43'41	
retrograde	-1182 May 07 j 14:06	7°♁29'41			-1176 May 16 j 21:07	0°♁	
opposition	-1182 Jul 07 j 06:09	2°♁32'03	0°-45'-27	evening set	-1176 Jul 03 j 19:25	9°♁43'57	
min. Earth dist.	-1182 Jul 07 j 09:03	2°♁31'06	4.04617 AU				
	-1182 Jul 27 j 16:06	30°♁		conjunction	-1176 Jul 17 j 05:06	12°♁39'19	0°42'02
direct	-1182 Sep 04 j 15:58	27°♁38'31		minimum elong	-1176 Jul 17 j 05:04	12°♁39'18	0°42'03
	-1182 Oct 12 j 23:46	0°♁		max. Earth dist.	-1176 Jul 17 j 01:41	12°♁37'27	6.37672 AU
evening set	-1181 Jan 07 j 07:36	16°♁52'22		morning rise	-1176 Jul 30 j 12:00	15°♁33'13	
					-1176 Oct 17 j 16:46	0°♁	
conjunction	-1181 Jan 20 j 07:34	19°♁59'12	0°-49'-17	retrograde	-1176 Nov 28 j 10:04	2°♁38'56	
minimum elong	-1181 Jan 20 j 07:32	19°♁59'10	0°49'19		-1175 Jan 09 j 08:46	30°♁	
max. Earth dist.	-1181 Jan 20 j 18:30	20°♁05'45	6.00708 AU	opposition	-1175 Jan 27 j 11:50	27°♁43'34	1°22'28
morning rise	-1181 Feb 02 j 10:13	23°♁07'36		min. Earth dist.	-1175 Jan 27 j 21:58	27°♁40'15	4.40927 AU
	-1181 Mar 04 j 04:30	0°♁		direct	-1175 Mar 30 j 12:45	22°♁40'15	
retrograde	-1181 Jun 14 j 08:19	13°♁28'16			-1175 Jun 13 j 13:49	0°♁	
opposition	-1181 Aug 13 j 12:43	8°♁26'43	-1°-36'-24	evening set	-1175 Aug 04 j 19:41	10°♁24'23	
min. Earth dist.	-1181 Aug 12 j 19:33	8°♁32'27	3.98583 AU				
direct	-1181 Oct 10 j 19:35	3°♁33'10		conjunction	-1175 Aug 17 j 20:44	13°♁14'13	1°07'51
	-1180 Jan 08 j 16:54	15°♁		minimum elong	-1175 Aug 17 j 20:42	13°♁14'12	1°07'51
evening set	-1180 Feb 12 j 18:31	23°♁02'48		max. Earth dist.	-1175 Aug 16 j 17:47	12°♁59'33	6.42540 AU
					-1175 Aug 25 j 23:12	15°♁	
conjunction	-1180 Feb 26 j 01:45	26°♁13'56	-1°-12'-21	morning rise	-1175 Aug 30 j 18:35	16°♁02'31	
minimum elong	-1180 Feb 26 j 01:44	26°♁13'55	1°12'22		-1175 Nov 14 j 21:47	0°♁	
max. Earth dist.	-1180 Feb 27 j 14:42	26°♁36'06	5.98293 AU	retrograde	-1175 Dec 28 j 21:23	2°♁53'39	
morning rise	-1180 Mar 10 j 12:26	29°♁26'47			-1174 Feb 11 j 10:12	30°♁	
	-1180 Mar 12 j 20:23	0°♁		opposition	-1174 Feb 27 j 08:13	28°♁00'59	1°47'09
retrograde	-1180 Jul 20 j 15:58	19°♁54'06		min. Earth dist.	-1174 Feb 28 j 09:26	27°♁52'53	4.42618 AU
min. Earth dist.	-1180 Sep 17 j 05:01	14°♁59'55	4.00213 AU	direct	-1174 May 01 j 00:30	22°♁58'40	
opposition	-1180 Sep 18 j 11:40	14°♁49'30	-1°-50'-14		-1174 Jul 13 j 08:54	0°♁	
direct	-1180 Nov 15 j 09:27	9°♁53'51		evening set	-1174 Sep 04 j 19:54	10°♁40'27	
evening set	-1179 Mar 21 j 01:04	29°♁17'40		max. Earth dist.	-1174 Sep 15 j 18:17	13°♁04'06	6.40797 AU
	-1179 Mar 24 j 01:19	0°♁					
				conjunction	-1174 Sep 17 j 13:50	13°♁28'02	1°14'48
conjunction	-1179 Apr 03 j 15:48	2°♁29'39	-1°-7'-34	minimum elong	-1174 Sep 17 j 13:51	13°♁28'02	1°14'48
minimum elong	-1179 Apr 03 j 15:51	2°♁29'40	1°07'34	morning rise	-1174 Sep 30 j 05:17	16°♁14'27	
max. Earth dist.	-1179 Apr 05 j 19:10	2°♁59'52	6.03731 AU		-1174 Dec 12 j 17:48	0°♁	
morning rise	-1179 Apr 17 j 08:53	5°♁42'41		retrograde	-1173 Jan 29 j 02:52	3°♁18'31	
retrograde	-1179 Aug 25 j 11:22	25°♁31'58			-1173 Mar 18 j 11:28	30°♁	
opposition	-1179 Oct 23 j 23:44	20°♁26'55	-1°-21'-57	opposition	-1173 Mar 30 j 21:42	28°♁26'51	1°42'48
min. Earth dist.	-1179 Oct 22 j 16:45	20°♁37'29	4.08849 AU	min. Earth dist.	-1173 Apr 01 j 07:06	28°♁16'12	4.37616 AU
direct	-1179 Dec 21 j 11:09	15°♁28'09		direct	-1173 Jun 01 j 12:42	23°♁26'26	
	-1178 Apr 06 j 22:37	0°♁			-1173 Aug 10 j 12:28	0°♁	
evening set	-1178 Apr 26 j 20:37	4°♁27'26		evening set	-1173 Oct 05 j 15:23	11°♁20'07	
				max. Earth dist.	-1173 Oct 16 j 07:42	13°♁43'24	6.32871 AU
conjunction	-1178 May 10 j 15:12	7°♁36'12	0°-38'-2	conjunction	-1173 Oct 18 j 06:00	14°♁09'23	1°00'57
minimum elong	-1178 May 10 j 15:14	7°♁36'13	0°38'02	minimum elong	-1173 Oct 18 j 06:02	14°♁09'24	1°00'56
max. Earth dist.	-1178 May 12 j 11:50	8°♁01'43	6.14813 AU	morning rise	-1173 Oct 30 j 18:56	16°♁58'05	
morning rise	-1178 May 24 j 10:25	10°♁45'02			-1172 Jan 04 j 21:50	0°♁	
	-1178 Jun 12 j 12:07	15°♁		retrograde	-1172 Mar 01 j 21:15	4°♁40'26	
retrograde	-1178 Sep 28 j 00:49	29°♁31'47			-1172 Apr 30 j 07:51	30°♁	
opposition	-1178 Nov 26 j 13:53	24°♁28'58	0°-26'-27	opposition	-1172 May 01 j 21:06	29°♁48'09	1°08'46
min. Earth dist.	-1178 Nov 25 j 15:12	24°♁36'39	4.21175 AU	min. Earth dist.	-1172 May 03 j 05:09	29°♁37'57	4.27189 AU
direct	-1177 Jan 25 j 03:45	19°♁27'30		direct	-1172 Jul 02 j 17:56	24°♁50'24	
	-1177 Apr 24 j 20:46	0°♁			-1172 Sep 01 j 02:57	0°♁	
asc. node	-1177 May 15 j 03:17	4°♁11'34			-1172 Nov 05 j 03:39	13°♁08'20	
evening set	-1177 Jun 01 j 05:27	7°♁55'10		evening set			

Planetary Phenomena of Jupiter from -1400 through -900 (UT), Astrodienst AG 14-Nov-2015 16:09, page 21

Attention, astronomical year style is used: The year -1172 in astronomical counting style is the year 1173 BCE in historical counting style.

	-1172 Nov 13 j 06:01	15°♍		conjunction	-1166 May 15 j 18:52	12°♄36'00	0°-32'-27
max. Earth dist.	-1172 Nov 16 j 04:13	15°♍40'30	6.20819 AU	minimum elong	-1166 May 15 j 18:54	12°♄36'02	0°32'26
				max. Earth dist.	-1166 May 17 j 13:24	13°♄00'15	6.16365 AU
conjunction	-1172 Nov 17 j 18:33	16°♍02'38	0°28'35		-1166 May 26 j 08:03	15°♄	
minimum elong	-1172 Nov 17 j 18:35	16°♍02'39	0°28'34	morning rise	-1166 May 29 j 13:55	15°♄44'03	
morning rise	-1172 Nov 30 j 09:38	18°♍57'15			-1166 Aug 09 j 17:58	0°♂	
	-1171 Jan 21 j 11:51	0°♁		retrograde	-1166 Oct 02 j 17:14	4°♂22'04	
retrograde	-1171 Apr 05 j 19:11	7°♁37'32			-1166 Nov 26 j 05:53	30°♄	
opposition	-1171 Jun 05 j 17:06	2°♁42'57	0°11'10	min. Earth dist.	-1166 Nov 30 j 09:26	29°♄26'28	4.22881 AU
min. Earth dist.	-1171 Jun 06 j 13:29	2°♁36'23	4.14252 AU	opposition	-1166 Dec 01 j 05:48	29°♄19'35	0°-17'-32
	-1171 Jun 28 j 02:22	30°♄		direct	-1165 Jan 30 j 01:06	24°♄17'43	
direct	-1171 Aug 05 j 08:18	27°♄47'50		asc. node	-1165 Mar 23 j 14:21	28°♄21'39	
desc. node	-1171 Aug 13 j 02:01	27°♄53'38			-1165 Apr 03 j 08:01	0°♂	
	-1171 Sep 12 j 00:16	0°♁		evening set	-1165 Jun 06 j 03:19	12°♂40'55	
evening set	-1171 Dec 08 j 03:59	16°♁37'21					
				conjunction	-1165 Jun 19 j 19:12	15°♂42'22	0°09'19
conjunction	-1171 Dec 20 j 22:49	19°♁38'39	0°-14'-24	minimum elong	-1165 Jun 19 j 19:12	15°♂42'21	0°09'20
minimum elong	-1171 Dec 20 j 22:48	19°♁38'38	0°14'25	behind sun begin	-1165 Jun 19 j 12:18	15°♂38'33	
behind sun begin	-1171 Dec 20 j 18:57	19°♁36'22		behind sun end	-1165 Jun 20 j 02:06	15°♂46'10	
behind sun end	-1171 Dec 21 j 02:39	19°♁40'54		max. Earth dist.	-1165 Jun 20 j 15:58	15°♂53'52	6.29177 AU
max. Earth dist.	-1171 Dec 20 j 07:21	19°♁29'29	6.08200 AU	morning rise	-1165 Jul 03 j 09:19	18°♂42'45	
morning rise	-1170 Jan 02 j 19:10	22°♁41'02			-1165 Aug 28 j 11:17	0°♄	
	-1170 Feb 04 j 00:01	0°♂		retrograde	-1165 Nov 03 j 04:30	6°♄21'38	
retrograde	-1170 May 12 j 16:10	12°♂24'19		opposition	-1164 Jan 01 j 23:40	1°♄22'59	0°42'16
opposition	-1170 Jul 12 j 06:08	7°♂26'15	0°-53'-44	min. Earth dist.	-1164 Jan 01 j 18:33	1°♄24'41	4.34593 AU
min. Earth dist.	-1170 Jul 12 j 06:53	7°♂26'00	4.03039 AU		-1164 Jan 12 j 13:08	30°♄	
direct	-1170 Sep 09 j 11:00	2°♂32'50		direct	-1164 Mar 03 j 01:55	26°♂19'46	
evening set	-1169 Jan 12 j 04:22	21°♂51'38		evening set	-1164 Apr 22 j 20:58	0°♄	
					-1164 Jul 08 j 10:53	14°♄16'20	
conjunction	-1169 Jan 25 j 05:12	24°♂59'27	0°-53'-44	conjunction	-1164 Jul 21 j 19:16	17°♄10'41	0°46'41
minimum elong	-1169 Jan 25 j 05:09	24°♂59'25	0°53'46	minimum elong	-1164 Jul 21 j 19:14	17°♄10'39	0°46'42
max. Earth dist.	-1169 Jan 25 j 18:04	25°♂07'12	5.99400 AU	max. Earth dist.	-1164 Jul 21 j 11:52	17°♄06'39	6.38894 AU
morning rise	-1169 Feb 07 j 09:07	28°♂08'58		morning rise	-1164 Aug 04 j 00:53	20°♄03'32	
	-1169 Feb 15 j 04:09	0°♁			-1164 Sep 22 j 11:03	0°♄	
retrograde	-1169 Jun 19 j 12:02	18°♁35'43		retrograde	-1164 Dec 02 j 18:19	7°♄04'53	
	-1169 Aug 07 j 17:58	15°♁		opposition	-1163 Jan 31 j 20:50	2°♄09'56	1°27'35
opposition	-1169 Aug 18 j 15:25	13°♁33'38	-1°-40'-47	min. Earth dist.	-1163 Feb 01 j 10:00	2°♄05'39	4.41742 AU
min. Earth dist.	-1169 Aug 17 j 19:36	13°♁40'17	3.97704 AU		-1163 Feb 18 j 01:32	30°♄	
direct	-1169 Oct 15 j 18:53	8°♁39'53		direct	-1163 Apr 04 j 01:50	27°♄06'40	
	-1169 Dec 18 j 21:31	15°♁		evening set	-1163 May 19 j 06:54	0°♄	
evening set	-1168 Feb 17 j 21:47	28°♁12'43		evening set	-1163 Aug 09 j 06:06	14°♄48'55	
	-1168 Feb 25 j 09:17	0°♁			-1163 Aug 10 j 02:38	15°♄	
				max. Earth dist.	-1163 Aug 20 j 23:36	17°♄21'36	6.42849 AU
conjunction	-1168 Mar 02 j 06:25	1°♁24'36	-1°-13'-20	conjunction	-1163 Aug 22 j 06:00	17°♄38'09	1°10'03
minimum elong	-1168 Mar 02 j 06:24	1°♁24'36	1°13'22	minimum elong	-1163 Aug 22 j 05:58	17°♄38'08	1°10'04
max. Earth dist.	-1168 Mar 03 j 23:33	1°♁49'16	5.97938 AU	morning rise	-1163 Sep 04 j 02:46	20°♄25'53	
morning rise	-1168 Mar 15 j 18:07	4°♁38'06			-1163 Oct 21 j 14:05	0°♄	
retrograde	-1168 Jul 25 j 20:57	25°♁05'16		retrograde	-1162 Jan 02 j 05:20	7°♄16'45	
min. Earth dist.	-1168 Sep 22 j 06:37	20°♁10'58	4.00426 AU	opposition	-1162 Mar 03 j 17:47	2°♄24'15	1°48'20
opposition	-1168 Sep 23 j 13:34	20°♁00'26	-1°-48'-34	min. Earth dist.	-1162 Mar 04 j 20:18	2°♄15'44	4.42423 AU
direct	-1168 Nov 20 j 12:09	15°♁04'23			-1162 Mar 23 j 07:19	30°♄	
	-1167 Mar 06 j 21:01	0°♁		direct	-1162 May 05 j 10:32	27°♄22'06	
evening set	-1167 Mar 26 j 06:58	4°♁27'54			-1162 Jun 17 j 14:52	0°♄	
				evening set	-1162 Sep 09 j 04:10	15°♄04'25	
conjunction	-1167 Apr 08 j 22:36	7°♁39'57	-1°-4'-35	max. Earth dist.	-1162 Sep 20 j 01:32	17°♄27'47	6.40105 AU
minimum elong	-1167 Apr 08 j 22:39	7°♁39'59	1°04'35				
max. Earth dist.	-1167 Apr 11 j 02:54	8°♁10'38	6.04485 AU	conjunction	-1162 Sep 21 j 21:28	17°♄51'58	1°14'05
morning rise	-1167 Apr 22 j 16:34	10°♁52'59		minimum elong	-1162 Sep 21 j 21:28	17°♄51'59	1°14'05
	-1167 Aug 11 j 05:35	0°♄		morning rise	-1162 Oct 04 j 12:10	20°♄38'25	
retrograde	-1167 Aug 30 j 08:43	0°♄36'05			-1162 Nov 19 j 04:12	0°♄	
	-1167 Sep 18 j 08:29	30°♄		retrograde	-1161 Feb 02 j 14:50	7°♄46'10	
opposition	-1167 Oct 28 j 21:11	25°♁31'05	-1°-15'-8	opposition	-1161 Apr 04 j 10:49	2°♄54'33	1°39'42
min. Earth dist.	-1167 Oct 27 j 13:23	25°♁41'57	4.10053 AU	min. Earth dist.	-1161 Apr 05 j 21:02	2°♄43'40	4.36461 AU
direct	-1167 Dec 26 j 10:18	20°♁31'52			-1161 Apr 28 j 21:05	30°♄	
	-1166 Mar 18 j 23:27	0°♄		direct	-1161 Jun 06 j 00:20	27°♄54'31	
evening set	-1166 May 02 j 00:12	9°♄27'53					

Planetary Phenomena of Jupiter from -1400 through -900 (UT), Astrodienst AG 14-Nov-2015 16:09, page 22

Attention, astronomical year style is used: The year -1161 in astronomical counting style is the year 1162 BCE in historical counting style.

	-1161 Jul 14 j 00:04	0°♃		conjunction	-1155 Apr 14 j 05:56	12°♃50'48	-1°-1'-9
evening set	-1161 Oct 10 j 00:37	15°♃50'56		minimum elong	-1155 Apr 14 j 05:59	12°♃50'50	1°01'10
max. Earth dist.	-1161 Oct 20 j 15:26	18°♃13'58	6.31333 AU	max. Earth dist.	-1155 Apr 16 j 09:42	13°♃21'03	6.06209 AU
				morning rise	-1155 Apr 28 j 00:19	16°♃03'12	
conjunction	-1161 Oct 22 j 14:56	18°♃40'44	0°57'21		-1155 Jul 04 j 12:28	0°♃	
minimum elong	-1161 Oct 22 j 14:59	18°♃40'45	0°57'22	retrograde	-1155 Sep 04 j 04:50	5°♃36'36	
morning rise	-1161 Nov 04 j 04:07	21°♃30'08		min. Earth dist.	-1155 Nov 01 j 11:03	0°♃42'03	4.12075 AU
	-1161 Dec 14 j 03:09	0°♃		opposition	-1155 Nov 02 j 17:07	0°♃31'47	-1°-7'-54
retrograde	-1160 Mar 06 j 16:53	9°♃19'53			-1155 Nov 06 j 14:24	30°♃	
opposition	-1160 May 06 j 16:19	4°♃27'21	1°01'47	direct	-1155 Dec 31 j 10:58	25°♃32'07	
min. Earth dist.	-1160 May 07 j 23:33	4°♃17'23	4.25350 AU		-1154 Feb 23 j 16:55	0°♃	
	-1160 Jun 19 j 09:17	30°♃		evening set	-1154 May 07 j 01:10	14°♃22'17	
direct	-1160 Jul 07 j 09:47	29°♃29'57			-1154 May 09 j 20:01	15°♃	
	-1160 Jul 25 j 10:10	0°♃					
	-1160 Oct 28 j 01:18	15°♃		conjunction	-1154 May 20 j 19:52	17°♃29'27	0°-26'-48
evening set	-1160 Nov 09 j 16:56	17°♃52'29		minimum elong	-1154 May 20 j 19:54	17°♃29'28	0°26'48
max. Earth dist.	-1160 Nov 20 j 21:24	20°♃27'32	6.18854 AU	max. Earth dist.	-1154 May 22 j 13:07	17°♃52'50	6.18521 AU
				morning rise	-1154 Jun 03 j 14:25	20°♃36'20	
conjunction	-1160 Nov 22 j 08:24	20°♃47'49	0°22'52		-1154 Jul 17 j 21:46	0°♃	
minimum elong	-1160 Nov 22 j 08:25	20°♃47'50	0°22'50	retrograde	-1154 Oct 07 j 04:03	9°♃04'07	
morning rise	-1160 Dec 04 j 23:56	23°♃43'31		opposition	-1154 Dec 05 j 18:22	4°♃02'08	0°-8'-49
	-1159 Jan 02 j 01:02	0°♃		min. Earth dist.	-1154 Dec 04 j 23:22	4°♃08'33	4.24959 AU
retrograde	-1159 Apr 10 j 22:00	12°♃33'22			-1153 Jan 09 j 19:54	30°♃	
opposition	-1159 Jun 10 j 19:03	7°♃38'27	0°01'52	asc. node	-1153 Jan 31 j 11:26	29°♃01'04	
min. Earth dist.	-1159 Jun 11 j 13:15	7°♃32'35	4.12316 AU	direct	-1153 Feb 03 j 17:29	29°♃00'03	
desc. node	-1159 Jun 22 j 04:45	6°♃11'30			-1153 Mar 01 j 00:05	0°♃	
direct	-1159 Aug 10 j 05:04	2°♃43'44		evening set	-1153 Jun 10 j 21:10	17°♃17'58	
evening set	-1159 Dec 13 j 00:28	21°♃38'31					
				conjunction	-1153 Jun 24 j 12:03	20°♃18'15	0°15'03
conjunction	-1159 Dec 25 j 19:54	24°♃40'53	0°-20'-36	minimum elong	-1153 Jun 24 j 12:01	20°♃18'15	0°15'04
minimum elong	-1159 Dec 25 j 19:52	24°♃40'52	0°20'37	behind sun begin	-1153 Jun 24 j 09:31	20°♃16'52	
max. Earth dist.	-1159 Dec 25 j 07:06	24°♃33'17	6.06470 AU	behind sun end	-1153 Jun 24 j 14:32	20°♃19'38	
morning rise	-1158 Jan 07 j 17:24	27°♃44'30		max. Earth dist.	-1153 Jun 25 j 03:17	20°♃26'40	6.31006 AU
	-1158 Jan 17 j 08:27	0°♃		morning rise	-1153 Jul 08 j 01:13	23°♃17'27	
retrograde	-1158 May 18 j 00:36	17°♃36'29			-1153 Aug 08 j 18:26	0°♃	
opposition	-1158 Jul 17 j 13:08	12°♃37'52	-1°-2'-9	retrograde	-1153 Nov 07 j 11:57	10°♃49'08	
min. Earth dist.	-1158 Jul 17 j 10:09	12°♃38'51	4.01710 AU	opposition	-1152 Jan 06 j 07:38	5°♃51'02	0°49'44
direct	-1158 Sep 14 j 12:59	7°♃44'35		min. Earth dist.	-1152 Jan 06 j 06:13	5°♃51'30	4.36037 AU
evening set	-1157 Jan 17 j 07:55	27°♃07'14		direct	-1152 Mar 07 j 15:17	0°♃47'42	
	-1157 Jan 29 j 07:32	0°♃		evening set	-1152 Jul 12 j 22:32	18°♃41'09	
conjunction	-1157 Jan 30 j 09:58	0°♃15'55	0°-58'-4	conjunction	-1152 Jul 26 j 05:53	21°♃34'40	0°50'56
minimum elong	-1157 Jan 30 j 09:55	0°♃15'53	0°58'05	minimum elong	-1152 Jul 26 j 05:50	21°♃34'38	0°50'56
max. Earth dist.	-1157 Jan 31 j 04:59	0°♃27'22	5.98618 AU	max. Earth dist.	-1152 Jul 25 j 19:17	21°♃28'54	6.39834 AU
morning rise	-1157 Feb 12 j 14:52	3°♃26'16		morning rise	-1152 Aug 08 j 10:06	24°♃26'36	
	-1157 Apr 05 j 16:05	15°♃			-1152 Sep 03 j 19:50	0°♃	
retrograde	-1157 Jun 24 j 22:43	23°♃56'22		retrograde	-1152 Dec 06 j 22:17	11°♃25'00	
opposition	-1157 Aug 23 j 23:31	18°♃53'50	-1°-44'-35	opposition	-1151 Feb 05 j 03:09	6°♃30'28	1°32'05
min. Earth dist.	-1157 Aug 23 j 01:51	19°♃01'06	3.97602 AU	min. Earth dist.	-1151 Feb 05 j 18:00	6°♃25'38	4.42149 AU
	-1157 Sep 26 j 17:38	15°♃		direct	-1151 Apr 08 j 09:49	1°♃27'16	
direct	-1157 Oct 21 j 01:11	13°♃59'57			-1151 Jul 24 j 23:55	15°♃	
	-1157 Nov 14 j 07:21	15°♃		evening set	-1151 Aug 13 j 14:14	19°♃09'09	
	-1156 Feb 08 j 03:53	0°♃		max. Earth dist.	-1151 Aug 25 j 03:23	21°♃39'40	6.42680 AU
evening set	-1156 Feb 23 j 05:34	3°♃32'43					
				conjunction	-1151 Aug 26 j 13:01	21°♃58'00	1°11'50
conjunction	-1156 Mar 07 j 15:10	6°♃44'48	-1°-13'-50	minimum elong	-1151 Aug 26 j 12:59	21°♃57'59	1°11'50
minimum elong	-1156 Mar 07 j 15:10	6°♃44'48	1°13'52	morning rise	-1151 Sep 08 j 08:49	24°♃45'24	
max. Earth dist.	-1156 Mar 09 j 11:09	7°♃11'07	5.98510 AU		-1151 Oct 03 j 04:53	0°♃	
morning rise	-1156 Mar 21 j 04:02	9°♃58'30		retrograde	-1150 Jan 06 j 13:41	11°♃37'45	
	-1156 Jul 16 j 08:55	0°♃		opposition	-1150 Mar 08 j 02:30	6°♃45'31	1°48'56
retrograde	-1156 Jul 31 j 00:40	0°♃21'11		min. Earth dist.	-1150 Mar 09 j 07:37	6°♃36'12	4.41699 AU
	-1156 Aug 14 j 14:12	30°♃		direct	-1150 May 09 j 20:31	1°♃43'36	
min. Earth dist.	-1156 Sep 27 j 08:03	25°♃27'22	4.01635 AU	evening set	-1150 Sep 13 j 11:30	19°♃28'03	
opposition	-1156 Sep 28 j 17:01	25°♃16'09	-1°-46'-2	max. Earth dist.	-1150 Sep 24 j 06:04	21°♃50'21	6.38866 AU
direct	-1156 Nov 25 j 15:54	20°♃19'42					
	-1155 Feb 15 j 20:07	0°♃		conjunction	-1150 Sep 26 j 04:14	22°♃15'51	1°12'57
evening set	-1155 Mar 31 j 13:39	9°♃39'14		minimum elong	-1150 Sep 26 j 04:15	22°♃15'51	1°12'56

Planetary Phenomena of Jupiter from -1400 through -900 (UT), Astrodienst AG 14-Nov-2015 16:09, page 23

Attention, astronomical year style is used: The year -1150 in astronomical counting style is the year 1151 BCE in historical counting style.

morning rise	-1150 Oct 08 j 18:37	25°♄02'38		evening set	-1143 Apr 05 j 18:25	14°♃44'44	
	-1150 Oct 31 j 20:36	0°♁					
retrograde	-1149 Feb 07 j 03:56	12°♁16'03		conjunction	-1143 Apr 19 j 11:26	17°♃55'48	0°-57'-19
opposition	-1149 Apr 09 j 00:47	7°♁24'21	1°36'02	minimum elong	-1143 Apr 19 j 11:29	17°♃55'50	0°57'20
min. Earth dist.	-1149 Apr 10 j 10:45	7°♁13'32	4.34792 AU	max. Earth dist.	-1143 Apr 21 j 15:43	18°♃26'13	6.07982 AU
direct	-1149 Jun 10 j 11:35	2°♁24'38		morning rise	-1143 May 03 j 06:04	21°♃07'31	
evening set	-1149 Oct 14 j 10:42	20°♁25'21			-1143 Jun 12 j 16:53	0°♃	
max. Earth dist.	-1149 Oct 25 j 03:54	22°♁50'20	6.29385 AU	retrograde	-1143 Sep 08 j 22:33	10°♃31'14	
				min. Earth dist.	-1143 Nov 06 j 05:44	5°♃36'42	4.14014 AU
conjunction	-1149 Oct 27 j 01:07	23°♁15'56	0°53'23	opposition	-1143 Nov 07 j 10:59	5°♃26'45	-1°00'-20
minimum elong	-1149 Oct 27 j 01:09	23°♁15'57	0°53'23	direct	-1142 Jan 05 j 07:48	0°♃26'44	
morning rise	-1149 Nov 08 j 14:19	26°♁06'10			-1142 Apr 23 j 01:07	15°♃	
	-1149 Nov 26 j 04:24	0°♃		evening set	-1142 May 12 j 00:42	19°♃11'43	
retrograde	-1148 Mar 11 j 14:18	14°♃04'37					
opposition	-1148 May 11 j 13:29	9°♃11'53	0°54'17	conjunction	-1142 May 25 j 19:00	22°♃17'55	0°-21'-2
min. Earth dist.	-1148 May 12 j 19:45	9°♃02'14	4.23249 AU	minimum elong	-1142 May 25 j 19:02	22°♃17'56	0°21'03
direct	-1148 Jul 12 j 03:16	4°♃14'56		max. Earth dist.	-1142 May 27 j 07:27	22°♃38'30	6.20467 AU
	-1148 Oct 10 j 09:49	15°♃		morning rise	-1142 Jun 08 j 13:13	25°♃23'46	
evening set	-1148 Nov 14 j 08:42	22°♃42'45			-1142 Jun 29 j 12:36	0°♃	
max. Earth dist.	-1148 Nov 25 j 15:12	25°♃19'46	6.16790 AU	retrograde	-1142 Oct 11 j 14:54	13°♃42'32	
				opposition	-1142 Dec 10 j 05:57	8°♃41'04	0°00'-9
conjunction	-1148 Nov 27 j 00:28	25°♃39'07	0°16'54	min. Earth dist.	-1142 Dec 09 j 13:51	8°♃46'30	4.26745 AU
minimum elong	-1148 Nov 27 j 00:29	25°♃39'08	0°16'53	asc. node	-1142 Dec 11 j 08:44	8°♃32'03	
morning rise	-1148 Dec 09 j 16:53	28°♃36'02		direct	-1141 Feb 08 j 10:26	3°♃38'42	
	-1148 Dec 15 j 18:35	0°♃		evening set	-1141 Jun 15 j 14:23	21°♃52'37	
retrograde	-1147 Apr 16 j 02:46	17°♃35'37					
desc. node	-1147 Apr 30 j 20:38	17°♃15'10		conjunction	-1141 Jun 29 j 04:33	24°♃51'56	0°20'41
opposition	-1147 Jun 15 j 23:18	12°♃40'10	0°-7'-36	minimum elong	-1141 Jun 29 j 04:31	24°♃51'55	0°20'42
min. Earth dist.	-1147 Jun 16 j 13:46	12°♃35'30	4.10463 AU	max. Earth dist.	-1141 Jun 29 j 17:01	24°♃58'48	6.32511 AU
direct	-1147 Aug 15 j 03:52	7°♃45'44		morning rise	-1141 Jul 12 j 16:25	27°♃50'01	
evening set	-1147 Dec 17 j 23:00	26°♃45'10			-1141 Jul 22 j 16:03	0°♃	
				retrograde	-1141 Nov 11 j 18:12	15°♃15'43	
conjunction	-1147 Dec 30 j 19:23	29°♃48'32	0°-26'-44	opposition	-1140 Jan 10 j 15:28	10°♃18'13	0°56'55
minimum elong	-1147 Dec 30 j 19:22	29°♃48'31	0°26'46	min. Earth dist.	-1140 Jan 10 j 15:58	10°♃18'02	4.37170 AU
max. Earth dist.	-1147 Dec 30 j 12:48	29°♃44'37	6.05010 AU	direct	-1140 Mar 12 j 02:19	5°♃14'53	
	-1147 Dec 31 j 14:37	0°♃		evening set	-1140 Jul 17 j 10:42	23°♃06'19	
morning rise	-1146 Jan 12 j 17:42	2°♃53'11					
retrograde	-1146 May 23 j 11:16	22°♃52'18		conjunction	-1140 Jul 30 j 16:41	25°♃59'03	0°54'54
opposition	-1146 Jul 22 j 21:35	17°♃53'04	-1°-10'-9	minimum elong	-1140 Jul 30 j 16:39	25°♃59'01	0°54'55
min. Earth dist.	-1146 Jul 22 j 16:06	17°♃54'52	4.00799 AU	max. Earth dist.	-1140 Jul 30 j 00:51	25°♃50'25	6.40495 AU
direct	-1146 Sep 19 j 18:07	12°♃59'49		morning rise	-1140 Aug 12 j 19:50	28°♃50'15	
	-1145 Jan 12 j 09:26	0°♃			-1140 Aug 18 j 05:18	0°♃	
evening set	-1145 Jan 22 j 12:40	2°♃24'24			-1140 Nov 19 j 00:01	15°♃	
				retrograde	-1140 Dec 11 j 05:56	15°♃46'43	
conjunction	-1145 Feb 04 j 15:34	5°♃33'37	-1°-1'-56		-1139 Jan 02 j 09:44	15°♃	
minimum elong	-1145 Feb 04 j 15:31	5°♃33'36	1°01'58	opposition	-1139 Feb 09 j 10:54	10°♃52'38	1°36'07
max. Earth dist.	-1145 Feb 05 j 14:17	5°♃47'18	5.98306 AU	min. Earth dist.	-1139 Feb 10 j 05:01	10°♃46'45	4.42323 AU
morning rise	-1145 Feb 17 j 21:41	8°♃44'35		direct	-1139 Apr 12 j 20:50	5°♃49'33	
	-1145 Mar 16 j 19:33	15°♃			-1139 Jul 07 j 05:42	15°♃	
retrograde	-1145 Jun 30 j 05:49	29°♃15'24		evening set	-1139 Aug 17 j 23:09	23°♃31'40	
min. Earth dist.	-1145 Aug 28 j 05:32	24°♃20'45	3.97951 AU	max. Earth dist.	-1139 Aug 29 j 09:33	26°♃00'53	6.42338 AU
opposition	-1145 Aug 29 j 06:26	24°♃12'23	-1°-47'-28				
direct	-1145 Oct 26 j 06:04	19°♃18'13		conjunction	-1139 Aug 30 j 21:04	26°♃20'16	1°13'13
	-1144 Jan 20 j 16:00	0°♃		minimum elong	-1139 Aug 30 j 21:03	26°♃20'15	1°13'14
evening set	-1144 Feb 28 j 12:44	8°♃49'22		morning rise	-1139 Sep 12 j 15:49	29°♃07'25	
					-1139 Sep 16 j 17:01	0°♃	
conjunction	-1144 Mar 12 j 23:20	12°♃01'28	-1°-13'-44	retrograde	-1138 Jan 10 j 21:51	16°♃01'52	
minimum elong	-1144 Mar 12 j 23:21	12°♃01'28	1°13'45	opposition	-1138 Mar 12 j 12:46	11°♃09'51	1°48'56
max. Earth dist.	-1144 Mar 14 j 21:11	12°♃28'48	5.99454 AU	min. Earth dist.	-1138 Mar 13 j 18:14	11°♃00'25	4.40894 AU
morning rise	-1144 Mar 26 j 13:04	15°♃15'04		direct	-1138 May 14 j 05:34	6°♃08'15	
	-1144 Jun 04 j 22:32	0°♃		evening set	-1138 Sep 17 j 20:21	23°♃55'02	
retrograde	-1144 Aug 05 j 02:31	5°♃31'45		max. Earth dist.	-1138 Sep 28 j 14:10	26°♃17'25	6.37662 AU
min. Earth dist.	-1144 Oct 02 j 09:40	0°♃37'40	4.03054 AU				
opposition	-1144 Oct 03 j 18:17	0°♃26'32	-1°-42'-42	conjunction	-1138 Sep 30 j 12:29	26°♃43'05	1°11'23
	-1144 Oct 07 j 00:10	30°♃		minimum elong	-1138 Sep 30 j 12:30	26°♃43'06	1°11'23
direct	-1144 Nov 30 j 19:55	25°♃29'37		morning rise	-1138 Oct 13 j 02:27	29°♃30'13	
	-1143 Jan 23 j 11:18	0°♃			-1138 Oct 15 j 08:36	0°♃	

Planetary Phenomena of Jupiter from -1400 through -900 (UT), Astrodienst AG 14-Nov-2015 16:09, page 24

Attention, astronomical year style is used: The year -1137 in astronomical counting style is the year 1138 BCE in historical counting style.

retrograde	-1137 Feb 11 j 19:42	16°♁49'11		opposition	-1132 Oct 08 j 15:32	5°♃28'08	-1°-38'-42
opposition	-1137 Apr 13 j 16:22	11°♁57'33	1°31'45	direct	-1132 Dec 05 j 18:08	0°♃30'48	
min. Earth dist.	-1137 Apr 15 j 03:03	11°♁46'31	4.33270 AU	evening set	-1131 Apr 10 j 19:46	19°♃41'57	
direct	-1137 Jun 15 j 01:59	6°♁58'17					
evening set	-1137 Oct 18 j 21:51	25°♁02'42		conjunction	-1131 Apr 24 j 13:07	22°♃52'30	0°-53'-12
max. Earth dist.	-1137 Oct 29 j 15:28	27°♁28'33	6.27682 AU	minimum elong	-1131 Apr 24 j 13:10	22°♃52'31	0°53'12
				max. Earth dist.	-1131 Apr 26 j 14:17	23°♃20'59	6.09578 AU
conjunction	-1137 Oct 31 j 12:15	27°♁53'59	0°49'04	morning rise	-1131 May 08 j 08:12	26°♃03'37	
minimum elong	-1137 Oct 31 j 12:17	27°♁54'01	0°49'03		-1131 May 25 j 18:18	0°♃	
	-1137 Nov 09 j 18:09	0°♃			-1131 Aug 30 j 20:00	15°♃	
morning rise	-1137 Nov 13 j 01:47	0°♃45'04		retrograde	-1131 Sep 17 j 12:26	15°♃18'40	
	-1136 Jan 25 j 03:36	15°♃			-1131 Sep 23 j 03:57	15°♃	
retrograde	-1136 Mar 16 j 11:33	18°♃51'29		min. Earth dist.	-1131 Nov 10 j 22:03	10°♃23'52	4.15660 AU
	-1136 May 08 j 09:22	15°♃		opposition	-1131 Nov 12 j 01:34	10°♃14'29	0°-52'-36
opposition	-1136 May 16 j 11:27	13°♃58'28	0°46'22	direct	-1130 Jan 10 j 02:42	5°♃14'02	
min. Earth dist.	-1136 May 17 j 14:54	13°♃49'42	4.21496 AU		-1130 Apr 04 j 23:52	15°♃	
direct	-1136 Jul 16 j 20:20	9°♃01'56		evening set	-1130 May 16 j 21:17	23°♃55'04	
	-1136 Sep 19 j 13:43	15°♃					
evening set	-1136 Nov 19 j 00:24	27°♃33'49		conjunction	-1130 May 30 j 15:33	27°♃00'32	0°-15'-19
	-1136 Nov 29 j 11:31	0°♃		minimum elong	-1130 May 30 j 15:34	27°♃00'33	0°15'19
				behind sun begin	-1130 May 30 j 13:36	26°♃59'26	
conjunction	-1136 Dec 01 j 16:42	0°♃31'05	0°10'52	behind sun end	-1130 May 30 j 17:33	27°♃01'39	
minimum elong	-1136 Dec 01 j 16:43	0°♃31'05	0°10'51	max. Earth dist.	-1130 Jun 01 j 01:40	27°♃19'44	6.22063 AU
behind sun begin	-1136 Dec 01 j 10:34	0°♃27'31			-1130 Jun 12 j 23:21	0°♃	
behind sun end	-1136 Dec 01 j 22:52	0°♃34'40		morning rise	-1130 Jun 13 j 09:06	0°♃05'26	
max. Earth dist.	-1136 Nov 30 j 12:14	0°♃14'27	6.15162 AU	retrograde	-1130 Oct 16 j 00:56	18°♃16'37	
morning rise	-1136 Dec 14 j 09:38	3°♃28'57		asc. node	-1130 Oct 22 j 05:50	18°♃12'48	
desc. node	-1135 Mar 10 j 07:57	19°♃57'45		opposition	-1130 Dec 14 j 15:47	13°♃15'44	0°08'16
retrograde	-1135 Apr 21 j 08:21	22°♃36'43		min. Earth dist.	-1130 Dec 14 j 01:56	13°♃20'23	4.28153 AU
opposition	-1135 Jun 21 j 02:52	17°♃40'49	0°-16'-56	direct	-1129 Feb 13 j 00:21	8°♃13'11	
min. Earth dist.	-1135 Jun 21 j 15:16	17°♃36'48	4.09094 AU	evening set	-1129 Jun 20 j 05:59	26°♃24'13	
direct	-1135 Aug 20 j 03:34	12°♃46'41					
	-1135 Dec 15 j 03:21	0°♃		conjunction	-1129 Jul 03 j 19:05	29°♃22'41	0°26'04
evening set	-1135 Dec 22 j 20:35	1°♃49'09		minimum elong	-1129 Jul 03 j 19:04	29°♃22'40	0°26'05
				max. Earth dist.	-1129 Jul 04 j 02:23	29°♃26'42	6.33627 AU
conjunction	-1134 Jan 04 j 17:37	4°♃53'16	0°-32'-33		-1129 Jul 06 j 14:55	0°♃	
minimum elong	-1134 Jan 04 j 17:34	4°♃53'14	0°32'35	morning rise	-1129 Jul 17 j 06:05	2°♃19'54	
max. Earth dist.	-1134 Jan 04 j 14:24	4°♃51'21	6.04017 AU	retrograde	-1129 Nov 16 j 01:24	19°♃41'03	
morning rise	-1134 Jan 17 j 16:59	7°♃58'46		opposition	-1128 Jan 14 j 23:09	14°♃44'03	1°03'39
retrograde	-1134 May 28 j 16:19	28°♃02'57		min. Earth dist.	-1128 Jan 15 j 02:27	14°♃42'57	4.37947 AU
opposition	-1134 Jul 28 j 02:57	23°♃03'09	-1°-17'-22	direct	-1128 Mar 16 j 13:48	9°♃40'38	
min. Earth dist.	-1134 Jul 27 j 17:34	23°♃06'15	4.00312 AU	evening set	-1128 Jul 21 j 22:04	27°♃30'53	
direct	-1134 Sep 24 j 19:05	18°♃09'55			-1128 Aug 02 j 08:51	0°♃	
	-1134 Dec 25 j 17:09	0°♃		max. Earth dist.	-1128 Aug 03 j 09:37	0°♃13'29	6.40884 AU
evening set	-1133 Jan 27 j 14:48	7°♃35'15					
				conjunction	-1128 Aug 04 j 03:05	0°♃23'00	0°58'31
conjunction	-1133 Feb 09 j 18:40	10°♃44'51	-1°-5'-12	minimum elong	-1128 Aug 04 j 03:02	0°♃22'58	0°58'32
minimum elong	-1133 Feb 09 j 18:38	10°♃44'50	1°05'14	morning rise	-1128 Aug 17 j 04:50	3°♃13'32	
max. Earth dist.	-1133 Feb 10 j 21:17	11°♃00'52	5.98345 AU		-1128 Oct 16 j 18:06	15°♃	
morning rise	-1133 Feb 23 j 01:44	13°♃56'12		retrograde	-1128 Dec 15 j 12:00	20°♃08'48	
	-1133 Feb 27 j 13:04	15°♃		opposition	-1127 Feb 13 j 18:51	15°♃15'05	1°39'34
	-1133 May 11 j 22:58	0°♃		min. Earth dist.	-1127 Feb 14 j 14:01	15°♃08'53	4.42330 AU
retrograde	-1133 Jul 05 j 10:35	4°♃26'27			-1127 Feb 15 j 17:31	15°♃	
	-1133 Aug 29 j 19:35	30°♃		direct	-1127 Apr 17 j 05:48	10°♃12'11	
min. Earth dist.	-1133 Sep 02 j 07:44	29°♃31'41	3.98516 AU		-1127 Jun 15 j 16:49	15°♃	
opposition	-1133 Sep 03 j 09:34	29°♃22'58	-1°-49'-22	evening set	-1127 Aug 22 j 08:11	27°♃54'36	
direct	-1133 Oct 31 j 09:39	24°♃28'26			-1127 Aug 31 j 22:27	0°♃	
	-1133 Dec 29 j 21:16	0°♃		max. Earth dist.	-1127 Sep 02 j 14:46	0°♃22'02	6.41951 AU
evening set	-1132 Mar 04 j 16:06	13°♃57'26					
				conjunction	-1127 Sep 04 j 04:59	0°♃42'56	1°14'11
conjunction	-1132 Mar 18 j 03:45	17°♃09'30	-1°-13'-3	minimum elong	-1127 Sep 04 j 04:58	0°♃42'55	1°14'10
minimum elong	-1132 Mar 18 j 03:46	17°♃09'31	1°13'04	morning rise	-1127 Sep 16 j 23:00	3°♃29'54	
max. Earth dist.	-1132 Mar 20 j 04:16	17°♃38'19	6.00479 AU	retrograde	-1126 Jan 15 j 08:47	20°♃26'25	
morning rise	-1132 Mar 31 j 18:17	20°♃22'58		opposition	-1126 Mar 16 j 23:47	15°♃34'31	1°48'17
	-1132 May 13 j 19:55	0°♃		min. Earth dist.	-1126 Mar 18 j 07:01	15°♃24'33	4.40141 AU
retrograde	-1132 Aug 10 j 00:35	10°♃33'22		direct	-1126 May 18 j 17:35	10°♃33'10	
min. Earth dist.	-1132 Oct 07 j 06:53	5°♃39'16	4.04432 AU	evening set	-1126 Sep 22 j 04:35	28°♃21'31	

Planetary Phenomena of Jupiter from -1400 through -900 (UT), Astrodienst AG 14-Nov-2015 16:09, page 25

Attention, astronomical year style is used: The year -1126 in astronomical counting style is the year 1127 BCE in historical counting style.

	-1126 Sep 29 j 14:39	0°♁		conjunction	-1120 Mar 23 j 09:48	22°♁19'56	-1°-11'-48
max. Earth dist.	-1126 Oct 02 j 22:10	0°♁44'09	6.36589 AU	minimum elong	-1120 Mar 23 j 09:49	22°♁19'57	1°11'50
conjunction	-1126 Oct 04 j 20:22	1°♁09'49	1°09'23	max. Earth dist.	-1120 Mar 25 j 10:04	22°♁48'33	6.01191 AU
minimum elong	-1126 Oct 04 j 20:23	1°♁09'50	1°09'23	morning rise	-1120 Apr 06 j 01:22	25°♁33'29	
morning rise	-1126 Oct 17 j 09:57	3°♁57'14			-1120 Apr 25 j 06:44	0°♁	
retrograde	-1125 Feb 16 j 09:11	21°♁21'15		retrograde	-1120 Aug 14 j 23:02	15°♁38'43	
opposition	-1125 Apr 18 j 07:52	16°♁29'27	1°26'52	min. Earth dist.	-1120 Oct 12 j 05:17	10°♁44'40	4.05522 AU
min. Earth dist.	-1125 Apr 19 j 17:04	16°♁18'53	4.31927 AU	opposition	-1120 Oct 13 j 14:03	10°♁33'28	-1°-33'-57
direct	-1125 Jun 19 j 13:59	11°♁30'31		direct	-1120 Dec 10 j 18:32	5°♁35'41	
evening set	-1125 Oct 23 j 08:11	29°♁37'43		evening set	-1119 Apr 15 j 23:21	24°♁44'07	
	-1125 Oct 24 j 23:36	0°♁		conjunction	-1119 Apr 29 j 17:23	27°♁54'19	0°-48'-36
max. Earth dist.	-1125 Nov 03 j 03:49	2°♁05'14	6.26170 AU	minimum elong	-1119 Apr 29 j 17:26	27°♁54'21	0°48'37
				max. Earth dist.	-1119 May 01 j 18:19	28°♁22'34	6.10970 AU
conjunction	-1125 Nov 04 j 22:34	2°♁29'36	0°44'27		-1119 May 08 j 19:23	0°♁	
minimum elong	-1125 Nov 04 j 22:36	2°♁29'38	0°44'26	morning rise	-1119 May 13 j 12:32	1°♁04'53	
morning rise	-1125 Nov 17 j 12:17	5°♁21'24			-1119 Jul 21 j 01:00	15°♁	
	-1124 Jan 01 j 19:48	15°♁		retrograde	-1119 Sep 18 j 07:03	20°♁11'59	
retrograde	-1124 Mar 21 j 09:52	23°♁35'11		opposition	-1119 Nov 16 j 18:41	15°♁08'14	0°-44'-21
opposition	-1124 May 21 j 08:37	18°♁41'51	0°38'11	min. Earth dist.	-1119 Nov 15 j 16:57	15°♁16'59	4.17198 AU
min. Earth dist.	-1124 May 22 j 11:23	18°♁33'17	4.19876 AU		-1119 Nov 17 j 18:55	15°♁	
	-1124 Jun 23 j 02:44	15°♁		direct	-1118 Jan 14 j 23:55	10°♁07'31	
direct	-1124 Jul 21 j 14:31	13°♁45'39			-1118 Mar 13 j 10:25	15°♁	
	-1124 Aug 18 j 20:58	15°♁		evening set	-1118 May 21 j 20:41	28°♁44'56	
	-1124 Nov 13 j 10:07	0°♁			-1118 May 27 j 11:01	0°♁	
evening set	-1124 Nov 23 j 15:09	2°♁21'12		conjunction	-1118 Jun 04 j 14:29	1°♁49'34	0°-9'-20
max. Earth dist.	-1124 Dec 05 j 05:29	5°♁03'51	6.13573 AU	minimum elong	-1118 Jun 04 j 14:30	1°♁49'35	0°09'19
				behind sun begin	-1118 Jun 04 j 07:33	1°♁45'42	
conjunction	-1124 Dec 06 j 07:55	5°♁19'20	0°04'48	behind sun end	-1118 Jun 04 j 21:26	1°♁53'27	
minimum elong	-1124 Dec 06 j 07:55	5°♁19'20	0°04'46	max. Earth dist.	-1118 Jun 05 j 21:12	2°♁06'48	6.23639 AU
behind sun begin	-1124 Dec 06 j 00:06	5°♁14'47		morning rise	-1118 Jun 18 j 07:31	4°♁53'34	
behind sun end	-1124 Dec 06 j 15:45	5°♁23'54		asc. node	-1118 Aug 31 j 08:40	19°♁09'23	
morning rise	-1124 Dec 19 j 01:38	8°♁18'13		retrograde	-1118 Oct 20 j 12:05	22°♁57'14	
desc. node	-1123 Jan 18 j 05:42	15°♁06'23		opposition	-1118 Dec 19 j 04:06	17°♁56'55	0°16'53
retrograde	-1123 Apr 26 j 10:04	27°♁34'05		min. Earth dist.	-1118 Dec 18 j 15:46	18°♁01'03	4.29668 AU
opposition	-1123 Jun 26 j 04:55	22°♁37'41	0°-26'-8	direct	-1117 Feb 17 j 16:29	12°♁54'13	
min. Earth dist.	-1123 Jun 26 j 13:46	22°♁34'48	4.07672 AU		-1117 Jun 20 j 05:47	0°♁	
direct	-1123 Aug 24 j 23:53	17°♁43'47		evening set	-1117 Jun 24 j 23:53	1°♁01'57	
	-1123 Nov 28 j 00:04	0°♁		conjunction	-1117 Jul 08 j 12:02	3°♁59'26	0°31'27
evening set	-1123 Dec 27 j 17:21	6°♁49'52		minimum elong	-1117 Jul 08 j 12:00	3°♁59'25	0°31'28
				max. Earth dist.	-1117 Jul 08 j 17:10	4°♁02'15	6.35009 AU
conjunction	-1122 Jan 09 j 15:12	9°♁54'50	0°-38'-8	morning rise	-1117 Jul 21 j 21:39	6°♁55'33	
minimum elong	-1122 Jan 09 j 15:10	9°♁54'48	0°38'09	retrograde	-1117 Nov 20 j 10:07	24°♁11'11	
max. Earth dist.	-1122 Jan 09 j 16:06	9°♁55'22	6.02881 AU	opposition	-1116 Jan 19 j 08:34	19°♁14'46	1°10'07
morning rise	-1122 Jan 22 j 15:30	13°♁01'15		min. Earth dist.	-1116 Jan 19 j 13:45	19°♁13'04	4.39130 AU
	-1122 Apr 18 j 01:00	0°♁		direct	-1116 Mar 21 j 02:59	14°♁11'26	
retrograde	-1122 Jun 02 j 23:12	3°♁11'24			-1116 Jul 17 j 04:28	0°♁	
	-1122 Jul 19 j 07:07	30°♁		evening set	-1116 Jul 26 j 10:30	1°♁58'53	
opposition	-1122 Aug 02 j 07:46	28°♁11'03	-1°-24'-2	conjunction	-1116 Aug 08 j 14:07	4°♁50'06	1°01'50
min. Earth dist.	-1122 Aug 01 j 20:32	28°♁14'46	3.99580 AU	minimum elong	-1116 Aug 08 j 14:04	4°♁50'05	1°01'51
direct	-1122 Sep 29 j 21:47	23°♁17'44		max. Earth dist.	-1116 Aug 07 j 17:01	4°♁38'38	6.41776 AU
	-1122 Dec 05 j 05:31	0°♁		morning rise	-1116 Aug 21 j 14:44	7°♁39'48	
evening set	-1121 Feb 01 j 17:06	12°♁45'04			-1116 Sep 26 j 01:51	15°♁	
	-1121 Feb 11 j 02:08	15°♁		retrograde	-1116 Dec 19 j 19:21	24°♁32'19	
conjunction	-1121 Feb 14 j 22:06	15°♁55'17	-1°-7'-58	opposition	-1115 Feb 18 j 03:29	19°♁38'55	1°42'28
minimum elong	-1121 Feb 14 j 22:04	15°♁55'16	1°08'00	min. Earth dist.	-1115 Feb 19 j 00:33	19°♁32'07	4.42902 AU
max. Earth dist.	-1121 Feb 16 j 04:53	16°♁13'47	5.98073 AU		-1115 Apr 05 j 11:08	15°♁	
morning rise	-1121 Feb 28 j 06:14	19°♁07'12		direct	-1115 Apr 21 j 16:53	14°♁36'08	
	-1121 Apr 17 j 22:53	0°♁			-1115 May 08 j 01:07	15°♁	
retrograde	-1121 Jul 10 j 15:47	9°♁37'58		evening set	-1115 Aug 16 j 01:24	0°♁	
min. Earth dist.	-1121 Sep 07 j 09:28	4°♁43'24	3.98763 AU	max. Earth dist.	-1115 Aug 26 j 16:03	2°♁16'46	
opposition	-1121 Sep 08 j 12:50	4°♁34'09	-1°-50'-29		-1115 Sep 06 j 21:41	4°♁43'40	6.42155 AU
	-1121 Oct 22 j 08:40	30°♁		conjunction	-1115 Sep 08 j 11:59	5°♁04'37	1°14'43
direct	-1121 Nov 05 j 11:13	29°♁39'21					
	-1121 Nov 19 j 14:40	0°♁					
evening set	-1120 Mar 09 j 21:17	19°♁07'46					

Planetary Phenomena of Jupiter from -1400 through -900 (UT), Astrodienst AG 14-Nov-2015 16:09, page 26

Attention, astronomical year style is used: The year -1115 in astronomical counting style is the year 1116 BCE in historical counting style.

minimum elong	-1115 Sep 08 j 11:58	5°♄04'37	1°14'44	retrograde	-1109 Jul 15 j 18:21	14°♃46'23	
morning rise	-1115 Sep 21 j 04:53	7°♄51'06		min. Earth dist.	-1109 Sep 12 j 09:18	9°♃52'04	3.98633 AU
retrograde	-1114 Jan 19 j 15:27	24°♄47'56		opposition	-1109 Sep 13 j 14:27	9°♃42'11	-1°-50'-41
opposition	-1114 Mar 21 j 09:14	19°♄56'08	1°46'59	direct	-1109 Nov 10 j 11:27	4°♃47'00	
min. Earth dist.	-1114 Mar 22 j 16:34	19°♄46'09	4.39962 AU	evening set	-1108 Mar 15 j 01:48	24°♃16'17	
direct	-1114 May 23 j 02:21	14°♄55'04					
	-1114 Sep 13 j 23:25	0°♄		conjunction	-1108 Mar 28 j 15:37	27°♃28'49	-1°-9'-58
evening set	-1114 Sep 26 j 10:35	2°♄43'08		minimum elong	-1108 Mar 28 j 15:40	27°♃28'50	1°09'58
max. Earth dist.	-1114 Oct 07 j 02:14	5°♄04'58	6.36028 AU	max. Earth dist.	-1108 Mar 30 j 18:46	27°♃59'06	6.01603 AU
					-1108 Apr 08 j 07:33	0°♃	
conjunction	-1114 Oct 09 j 01:40	5°♄31'24	1°07'02	morning rise	-1108 Apr 11 j 07:59	0°♃42'33	
minimum elong	-1114 Oct 09 j 01:42	5°♄31'25	1°07'02	retrograde	-1108 Aug 20 j 00:03	20°♃43'28	
morning rise	-1114 Oct 21 j 15:02	8°♄18'55		min. Earth dist.	-1108 Oct 17 j 04:18	15°♃49'13	4.06410 AU
retrograde	-1113 Feb 20 j 21:53	25°♄46'29		opposition	-1108 Oct 18 j 12:30	15°♃38'13	-1°-28'-28
opposition	-1113 Apr 22 j 20:20	20°♄54'33	1°21'36	direct	-1108 Dec 15 j 19:37	10°♃40'00	
min. Earth dist.	-1113 Apr 24 j 06:26	20°♄43'42	4.30985 AU	evening set	-1107 Apr 21 j 03:26	29°♃46'09	
direct	-1113 Jun 24 j 01:29	15°♄55'52			-1107 Apr 22 j 03:37	0°♃	
	-1113 Oct 09 j 06:54	0°♄					
evening set	-1113 Oct 27 j 14:50	4°♄04'42		conjunction	-1107 May 04 j 21:50	2°♃55'58	0°-43'-37
max. Earth dist.	-1113 Nov 07 j 11:21	6°♄33'07	6.24926 AU	minimum elong	-1107 May 04 j 21:53	2°♃56'00	0°43'38
				max. Earth dist.	-1107 May 06 j 21:54	3°♃23'37	6.12260 AU
conjunction	-1113 Nov 09 j 05:23	6°♄57'09	0°39'43	morning rise	-1107 May 18 j 17:16	6°♃06'02	
minimum elong	-1113 Nov 09 j 05:25	6°♄57'10	0°39'43		-1107 Jun 28 j 18:56	15°♃	
morning rise	-1113 Nov 21 j 19:21	9°♄49'35		retrograde	-1107 Sep 22 j 23:00	25°♃05'03	
	-1113 Dec 15 j 02:01	15°♄		min. Earth dist.	-1107 Nov 20 j 10:09	20°♃10'14	4.18740 AU
retrograde	-1112 Mar 26 j 01:48	28°♄09'59		opposition	-1107 Nov 21 j 11:38	20°♃01'35	0°-35'-47
opposition	-1112 May 26 j 01:33	23°♄16'16	0°30'01	direct	-1106 Jan 19 j 20:05	15°♃00'27	
min. Earth dist.	-1112 May 27 j 02:21	23°♄08'20	4.18400 AU		-1106 May 10 j 13:51	0°♃	
direct	-1112 Jul 26 j 02:19	18°♄20'23		evening set	-1106 May 26 j 20:08	3°♃33'56	
	-1112 Oct 27 j 23:14	0°♄					
evening set	-1112 Nov 28 j 02:02	6°♄59'29		conjunction	-1106 Jun 09 j 13:27	6°♃37'39	0°-3'-17
desc. node	-1112 Nov 30 j 05:22	7°♄29'27		minimum elong	-1106 Jun 09 j 13:28	6°♃37'39	0°03'17
				behind sun begin	-1106 Jun 09 j 05:11	6°♃33'02	
conjunction	-1112 Dec 10 j 19:15	9°♄58'29	0°-1'-11	behind sun end	-1106 Jun 09 j 21:44	6°♃42'15	
minimum elong	-1112 Dec 10 j 19:16	9°♄58'29	0°01'14	max. Earth dist.	-1106 Jun 10 j 17:25	6°♃53'16	6.25310 AU
behind sun begin	-1112 Dec 10 j 11:14	9°♄53'47		morning rise	-1106 Jun 23 j 05:42	9°♃40'34	
behind sun end	-1112 Dec 11 j 03:18	10°♄03'11		asc. node	-1106 Jul 10 j 01:40	13°♃21'08	
max. Earth dist.	-1112 Dec 09 j 18:59	9°♄44'12	6.11992 AU	retrograde	-1106 Oct 25 j 00:39	27°♃36'10	
morning rise	-1112 Dec 23 j 13:44	12°♄58'22		opposition	-1106 Dec 23 j 16:20	22°♃36'20	0°25'22
	-1111 Mar 22 j 19:21	0°♄		min. Earth dist.	-1106 Dec 23 j 06:39	22°♃39'34	4.31281 AU
retrograde	-1111 May 01 j 09:56	2°♄22'39		direct	-1105 Feb 22 j 10:02	17°♃33'25	
	-1111 Jun 10 j 07:11	30°♄			-1105 Jun 03 j 03:36	0°♃	
opposition	-1111 Jul 01 j 03:01	27°♄25'44	0°-34'-51	evening set	-1105 Jun 29 j 16:52	5°♃37'09	
min. Earth dist.	-1111 Jul 01 j 10:35	27°♄23'16	4.06100 AU				
direct	-1111 Aug 29 j 18:32	22°♄31'56		conjunction	-1105 Jul 13 j 03:54	8°♃33'36	0°36'38
	-1111 Nov 09 j 00:47	0°♄		minimum elong	-1105 Jul 13 j 03:52	8°♃33'34	0°36'39
evening set	-1110 Jan 01 j 10:59	11°♄42'37		max. Earth dist.	-1105 Jul 13 j 05:34	8°♃34'30	6.36398 AU
				morning rise	-1105 Jul 26 j 12:19	11°♃28'37	
conjunction	-1110 Jan 14 j 09:51	14°♄48'37	0°-43'-14	retrograde	-1105 Nov 24 j 17:00	28°♃38'54	
minimum elong	-1110 Jan 14 j 09:48	14°♄48'35	0°43'15	opposition	-1104 Jan 23 j 17:41	23°♃42'53	1°16'12
max. Earth dist.	-1110 Jan 14 j 14:11	14°♄51'13	6.01474 AU	min. Earth dist.	-1104 Jan 24 j 00:41	23°♃40'35	4.40189 AU
morning rise	-1110 Jan 27 j 11:12	17°♄56'08		direct	-1104 Mar 25 j 14:57	18°♃39'30	
	-1110 Mar 23 j 09:19	0°♄			-1104 Jun 30 j 03:06	0°♄	
retrograde	-1110 Jun 08 j 03:23	8°♄13'10		evening set	-1104 Jul 30 j 22:00	6°♄24'34	
opposition	-1110 Aug 07 j 09:11	3°♄12'21	-1°-29'-53	max. Earth dist.	-1104 Aug 12 j 01:10	9°♄02'22	6.42400 AU
min. Earth dist.	-1110 Aug 06 j 19:43	3°♄16'50	3.98514 AU				
	-1110 Sep 02 j 17:43	30°♄		conjunction	-1104 Aug 13 j 00:26	9°♄15'02	1°04'50
direct	-1110 Oct 04 j 18:53	28°♄18'57		minimum elong	-1104 Aug 13 j 00:24	9°♄15'01	1°04'50
	-1110 Nov 05 j 14:12	0°♄		morning rise	-1104 Aug 25 j 23:42	12°♄03'57	
	-1109 Jan 25 j 19:03	15°♄			-1104 Sep 08 j 17:29	15°♄	
evening set	-1109 Feb 06 j 17:53	17°♄49'59		retrograde	-1104 Dec 24 j 02:42	28°♄54'52	
				opposition	-1103 Feb 22 j 12:12	24°♄01'50	1°44'51
conjunction	-1109 Feb 19 j 23:56	21°♄00'59	-1°-10'-8	min. Earth dist.	-1103 Feb 23 j 11:17	23°♄54'24	4.43050 AU
minimum elong	-1109 Feb 19 j 23:54	21°♄00'58	1°10'09	direct	-1103 Apr 26 j 03:19	18°♄59'16	
max. Earth dist.	-1109 Feb 21 j 08:19	21°♄20'28	5.97432 AU		-1103 Jul 30 j 03:02	0°♄	
morning rise	-1109 Mar 05 j 09:25	24°♄13'45		evening set	-1103 Aug 31 j 00:27	6°♄39'38	
	-1109 Mar 30 j 03:57	0°♄		max. Earth dist.	-1103 Sep 11 j 01:34	9°♄04'20	6.41786 AU

Planetary Phenomena of Jupiter from -1400 through -900 (UT), Astrodienst AG 14-Nov-2015 16:09, page 27

Attention, astronomical year style is used: The year -1103 in astronomical counting style is the year 1104 BCE in historical counting style.

conjunction	-1103 Sep 12 j 19:23	9° $\mathring{\text{M}}$ 27'14	1°14'53	max. Earth dist.	-1097 Feb 26 j 21:40	26° \approx 43'56	5.97528 AU
minimum elong	-1103 Sep 12 j 19:22	9° $\mathring{\text{M}}$ 27'14	1°14'54	morning rise	-1097 Mar 10 j 18:16	29° \approx 34'22	
morning rise	-1103 Sep 25 j 11:40	12° $\mathring{\text{M}}$ 13'36			-1097 Mar 12 j 13:20	0° $\mathring{\text{K}}$	
retrograde	-1102 Jan 24 j 02:56	29° $\mathring{\text{M}}$ 12'54		retrograde	-1097 Jul 21 j 01:39	20° $\mathring{\text{K}}$ 05'06	
opposition	-1102 Mar 25 j 20:44	24° $\mathring{\text{M}}$ 21'12	1°45'10	opposition	-1097 Sep 18 j 19:40	15° $\mathring{\text{K}}$ 00'36	-1°-50'-1
min. Earth dist.	-1102 Mar 27 j 05:28	24° $\mathring{\text{M}}$ 10'45	4.39099 AU	min. Earth dist.	-1097 Sep 17 j 13:39	15° $\mathring{\text{K}}$ 10'47	3.99417 AU
direct	-1102 May 27 j 13:19	19° $\mathring{\text{M}}$ 20'23		direct	-1097 Nov 15 j 17:34	10° $\mathring{\text{K}}$ 05'04	
	-1102 Aug 27 j 22:07	0° $\mathring{\text{L}}$		evening set	-1096 Mar 20 j 09:25	29° $\mathring{\text{K}}$ 31'34	
evening set	-1102 Sep 30 j 18:35	7° $\mathring{\text{L}}$ 10'31			-1096 Mar 22 j 09:52	0° $\mathring{\text{Y}}$	
max. Earth dist.	-1102 Oct 11 j 10:47	9° $\mathring{\text{L}}$ 33'04	6.34738 AU				
				conjunction	-1096 Apr 02 j 23:58	2° $\mathring{\text{Y}}$ 43'49	-1°-7'-36
conjunction	-1102 Oct 13 j 09:32	9° $\mathring{\text{L}}$ 59'11	1°04'17	minimum elong	-1096 Apr 03 j 00:01	2° $\mathring{\text{Y}}$ 43'51	1°07'37
minimum elong	-1102 Oct 13 j 09:34	9° $\mathring{\text{L}}$ 59'12	1°04'15	max. Earth dist.	-1096 Apr 05 j 04:05	3° $\mathring{\text{Y}}$ 14'32	6.02985 AU
morning rise	-1102 Oct 25 j 22:35	12° $\mathring{\text{L}}$ 47'10		morning rise	-1096 Apr 16 j 17:08	5° $\mathring{\text{Y}}$ 57'13	
	-1101 Feb 10 j 13:22	0° $\mathring{\text{M}}$		retrograde	-1096 Aug 24 j 21:27	25° $\mathring{\text{Y}}$ 49'29	
retrograde	-1101 Feb 25 j 13:28	0° $\mathring{\text{M}}$ 21'00		min. Earth dist.	-1096 Oct 22 j 01:45	20° $\mathring{\text{Y}}$ 55'31	4.08240 AU
	-1101 Mar 12 j 14:16	30° $\mathring{\text{R}}$ $\mathring{\text{L}}$		opposition	-1096 Oct 23 j 10:38	20° $\mathring{\text{Y}}$ 44'17	-1°-22'-20
opposition	-1101 Apr 27 j 12:59	25° $\mathring{\text{L}}$ 28'57	1°15'42	direct	-1096 Dec 20 j 20:09	15° $\mathring{\text{Y}}$ 45'36	
min. Earth dist.	-1101 Apr 28 j 22:11	25° $\mathring{\text{L}}$ 18'24	4.29336 AU		-1095 Apr 04 j 22:45	0° $\mathring{\text{B}}$	
direct	-1101 Jun 28 j 13:52	20° $\mathring{\text{L}}$ 30'44		evening set	-1095 Apr 26 j 06:31	4° $\mathring{\text{B}}$ 46'13	
	-1101 Sep 21 j 11:38	0° $\mathring{\text{M}}$					
evening set	-1101 Nov 01 j 02:16	8° $\mathring{\text{M}}$ 43'37		conjunction	-1095 May 10 j 01:02	7° $\mathring{\text{B}}$ 55'08	0°-38'-25
max. Earth dist.	-1101 Nov 11 j 23:40	11° $\mathring{\text{M}}$ 13'13	6.23057 AU	minimum elong	-1095 May 10 j 01:05	7° $\mathring{\text{B}}$ 55'10	0°38'25
				max. Earth dist.	-1095 May 11 j 22:40	8° $\mathring{\text{B}}$ 21'16	6.14375 AU
conjunction	-1101 Nov 13 j 16:53	11° $\mathring{\text{M}}$ 36'54	0°34'33	morning rise	-1095 May 23 j 20:18	11° $\mathring{\text{B}}$ 04'10	
minimum elong	-1101 Nov 13 j 16:55	11° $\mathring{\text{M}}$ 36'55	0°34'32		-1095 Jun 10 j 10:30	15° $\mathring{\text{B}}$	
morning rise	-1101 Nov 26 j 07:23	14° $\mathring{\text{M}}$ 30'19		retrograde	-1095 Sep 27 j 13:56	29° $\mathring{\text{B}}$ 52'34	
	-1101 Nov 28 j 11:27	15° $\mathring{\text{M}}$		min. Earth dist.	-1095 Nov 25 j 03:39	24° $\mathring{\text{B}}$ 57'11	4.20901 AU
retrograde	-1100 Feb 15 j 04:32	0° $\mathring{\text{Z}}$		opposition	-1095 Nov 26 j 02:21	24° $\mathring{\text{B}}$ 49'29	0°-27'-12
	-1100 Mar 31 j 02:41	2° $\mathring{\text{Z}}$ 59'51		direct	-1094 Jan 24 j 16:29	19° $\mathring{\text{B}}$ 47'59	
	-1100 May 15 j 18:36	30° $\mathring{\text{R}}$ $\mathring{\text{M}}$			-1094 Apr 22 j 14:11	0° $\mathring{\text{H}}$	
opposition	-1100 May 31 j 00:55	28° $\mathring{\text{M}}$ 05'48	0°21'13	asc. node	-1094 May 20 j 01:48	5° $\mathring{\text{H}}$ 43'05	
min. Earth dist.	-1100 Jun 01 j 00:22	27° $\mathring{\text{M}}$ 58'16	4.16423 AU	evening set	-1094 May 31 j 16:01	8° $\mathring{\text{H}}$ 15'37	
direct	-1100 Jul 30 j 21:49	23° $\mathring{\text{M}}$ 10'15					
	-1100 Oct 07 j 23:01	0° $\mathring{\text{Z}}$		conjunction	-1094 Jun 14 j 08:45	11° $\mathring{\text{H}}$ 18'11	0°02'44
desc. node	-1100 Oct 09 j 12:18	0° $\mathring{\text{Z}}$ 16'50		minimum elong	-1094 Jun 14 j 08:44	11° $\mathring{\text{H}}$ 18'10	0°02'44
evening set	-1100 Dec 02 j 19:35	11° $\mathring{\text{Z}}$ 54'38		behind sun begin	-1094 Jun 14 j 00:26	11° $\mathring{\text{H}}$ 13'35	
				behind sun end	-1094 Jun 14 j 17:02	11° $\mathring{\text{H}}$ 22'46	
conjunction	-1100 Dec 15 j 13:37	14° $\mathring{\text{Z}}$ 54'46	0°-7'-27	max. Earth dist.	-1094 Jun 15 j 09:52	11° $\mathring{\text{H}}$ 32'09	6.27340 AU
minimum elong	-1100 Dec 15 j 13:36	14° $\mathring{\text{Z}}$ 54'46	0°07'29	morning rise	-1094 Jun 27 j 23:59	14° $\mathring{\text{H}}$ 19'48	
behind sun begin	-1100 Dec 15 j 06:16	14° $\mathring{\text{Z}}$ 50'27			-1094 Sep 22 j 10:59	0° $\mathring{\text{E}}$	
behind sun end	-1100 Dec 15 j 20:57	14° $\mathring{\text{Z}}$ 59'04		retrograde	-1094 Oct 29 j 06:39	2° $\mathring{\text{E}}$ 06'49	
max. Earth dist.	-1100 Dec 14 j 17:13	14° $\mathring{\text{Z}}$ 42'44	6.10105 AU		-1094 Dec 04 j 23:35	30° $\mathring{\text{R}}$ $\mathring{\text{H}}$	
morning rise	-1100 Dec 28 j 08:53	17° $\mathring{\text{Z}}$ 55'51		opposition	-1094 Dec 28 j 00:58	27° $\mathring{\text{H}}$ 07'28	0°33'23
	-1099 Feb 22 j 11:12	0° $\mathring{\text{E}}$		min. Earth dist.	-1094 Dec 27 j 17:02	27° $\mathring{\text{H}}$ 10'07	4.33025 AU
retrograde	-1099 May 06 j 16:47	7° $\mathring{\text{E}}$ 29'29		direct	-1093 Feb 26 j 22:16	22° $\mathring{\text{H}}$ 04'23	
opposition	-1099 Jul 06 j 08:19	2° $\mathring{\text{E}}$ 32'09	0°-43'-53		-1093 May 15 j 10:50	0° $\mathring{\text{E}}$	
min. Earth dist.	-1099 Jul 06 j 12:47	2° $\mathring{\text{E}}$ 30'41	4.04499 AU	evening set	-1093 Jul 04 j 06:11	10° $\mathring{\text{E}}$ 04'06	
	-1099 Jul 26 j 18:35	30° $\mathring{\text{R}}$ $\mathring{\text{Z}}$					
direct	-1099 Sep 03 j 18:25	27° $\mathring{\text{Z}}$ 38'37		conjunction	-1093 Jul 17 j 15:57	12° $\mathring{\text{E}}$ 59'29	0°41'25
	-1099 Oct 12 j 02:37	0° $\mathring{\text{E}}$		minimum elong	-1093 Jul 17 j 15:55	12° $\mathring{\text{E}}$ 59'28	0°41'26
evening set	-1098 Jan 06 j 12:09	16° $\mathring{\text{E}}$ 53'54		max. Earth dist.	-1093 Jul 17 j 12:46	12° $\mathring{\text{E}}$ 57'45	6.37714 AU
				morning rise	-1093 Jul 30 j 23:06	15° $\mathring{\text{E}}$ 53'27	
conjunction	-1098 Jan 19 j 11:50	20° $\mathring{\text{E}}$ 00'49	0°-48'-21		-1093 Oct 15 j 10:57	0° $\mathring{\text{L}}$	
minimum elong	-1098 Jan 19 j 11:47	20° $\mathring{\text{E}}$ 00'48	0°48'23	retrograde	-1093 Nov 28 j 22:42	2° $\mathring{\text{L}}$ 59'05	
max. Earth dist.	-1098 Jan 19 j 19:33	20° $\mathring{\text{E}}$ 05'27	6.00304 AU		-1092 Jan 12 j 16:56	30° $\mathring{\text{R}}$ $\mathring{\text{E}}$	
morning rise	-1098 Feb 01 j 14:26	23° $\mathring{\text{E}}$ 09'23		opposition	-1092 Jan 27 j 23:45	28° $\mathring{\text{E}}$ 03'34	1°21'40
	-1098 Mar 03 j 04:31	0° $\mathring{\approx}$		min. Earth dist.	-1092 Jan 28 j 10:20	28° $\mathring{\text{E}}$ 00'07	4.41002 AU
retrograde	-1098 Jun 13 j 12:12	13° $\mathring{\approx}$ 32'02		direct	-1092 Mar 30 j 01:15	23° $\mathring{\text{E}}$ 00'11	
opposition	-1098 Aug 12 j 17:04	8° $\mathring{\approx}$ 30'39	-1°-35'-23		-1092 Jun 11 j 02:44	0° $\mathring{\text{L}}$	
min. Earth dist.	-1098 Aug 12 j 00:11	8° $\mathring{\approx}$ 36'18	3.97941 AU	evening set	-1092 Aug 04 j 06:28	10° $\mathring{\text{L}}$ 43'47	
direct	-1098 Oct 09 j 23:29	3° $\mathring{\approx}$ 37'10		max. Earth dist.	-1092 Aug 16 j 04:29	13° $\mathring{\text{L}}$ 18'50	6.42620 AU
	-1097 Jan 07 j 11:59	15° $\mathring{\approx}$					
evening set	-1097 Feb 12 j 00:33	23° $\mathring{\approx}$ 09'43		conjunction	-1092 Aug 17 j 07:49	13° $\mathring{\text{L}}$ 33'42	1°07'23
				minimum elong	-1092 Aug 17 j 07:47	13° $\mathring{\text{L}}$ 33'41	1°07'24
conjunction	-1097 Feb 25 j 07:51	26° $\mathring{\approx}$ 21'13	-1°-11'-53		-1092 Aug 23 j 22:33	15° $\mathring{\text{L}}$	
minimum elong	-1097 Feb 25 j 07:50	26° $\mathring{\approx}$ 21'12	1°11'54	morning rise	-1092 Aug 30 j 05:59	16° $\mathring{\text{L}}$ 22'05	

Planetary Phenomena of Jupiter from -1400 through -900 (UT), Astrodienst AG 14-Nov-2015 16:09, page 28

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

	-1092 Nov 11 j 20:47	0°♃							-1086 Feb 13 j 10:17	0°♁								
retrograde	-1092 Dec 28 j 08:27	3°♃12'59							-1086 Apr 29 j 06:32	15°♁								
	-1091 Feb 13 j 14:06	30°♃♂					retrograde		-1086 Jun 18 j 22:29	18°♁51'35								
opposition	-1091 Feb 26 j 19:16	28°♃20'10	1°46'40						-1086 Aug 09 j 04:56	15°♃♁								
min. Earth dist.	-1091 Feb 27 j 20:02	28°♃12'12	4.42697 AU				min. Earth dist.		-1086 Aug 17 j 06:18	13°♁55'59	3.97859 AU							
direct	-1091 Apr 30 j 10:48	23°♃17'43					opposition		-1086 Aug 18 j 01:11	13°♁49'40	-1°-40'-4							
	-1091 Jul 10 j 22:57	0°♃					direct		-1086 Oct 15 j 05:40	8°♁56'01								
evening set	-1091 Sep 04 j 07:10	10°♃59'26							-1086 Dec 16 j 19:59	15°♁								
max. Earth dist.	-1091 Sep 15 j 06:46	13°♃23'40	6.40877 AU				evening set		-1085 Feb 17 j 07:35	28°♁28'12								
									-1085 Feb 23 j 17:11	0°♃								
conjunction	-1091 Sep 17 j 01:26	13°♃47'05	1°14'38				conjunction		-1085 Mar 02 j 15:49	1°♃39'53	-1°-13'-3							
minimum elong	-1091 Sep 17 j 01:26	13°♃47'06	1°14'38				minimum elong		-1085 Mar 02 j 15:49	1°♃39'52	1°13'04							
morning rise	-1091 Sep 29 j 16:57	16°♃33'33					max. Earth dist.		-1085 Mar 04 j 08:08	2°♃04'02	5.98083 AU							
	-1091 Dec 09 j 21:24	0°♁					morning rise		-1085 Mar 16 j 03:24	4°♃53'14								
retrograde	-1090 Jan 28 j 13:32	3°♁37'10					retrograde		-1085 Jul 26 j 05:14	25°♃19'51								
	-1090 Mar 20 j 11:26	30°♃♃					opposition		-1085 Sep 23 j 23:10	20°♃15'06	-1°-48'-28							
opposition	-1090 Mar 30 j 08:08	28°♃45'32	1°42'48				min. Earth dist.		-1085 Sep 22 j 15:07	20°♃25'59	4.00558 AU							
min. Earth dist.	-1090 Mar 31 j 17:55	28°♃34'46	4.37693 AU				direct		-1085 Nov 20 j 21:04	15°♃19'12								
direct	-1090 May 31 j 23:16	23°♃45'04							-1084 Mar 05 j 04:35	0°♃								
	-1090 Aug 08 j 03:11	0°♁					evening set		-1084 Mar 25 j 15:25	4°♃41'55								
evening set	-1090 Oct 05 j 03:09	11°♁38'56																
max. Earth dist.	-1090 Oct 15 j 17:40	14°♁01'13	6.32938 AU				conjunction		-1084 Apr 08 j 06:46	7°♃53'47	-1°-4'-45							
							minimum elong		-1084 Apr 08 j 06:48	7°♃53'49	1°04'45							
conjunction	-1090 Oct 17 j 17:46	14°♁28'13	1°01'08				max. Earth dist.		-1084 Apr 10 j 10:34	8°♃24'12	6.04591 AU							
minimum elong	-1090 Oct 17 j 17:48	14°♁28'14	1°01'08				morning rise		-1084 Apr 22 j 00:27	11°♃06'40								
morning rise	-1090 Oct 30 j 06:59	17°♁16'57							-1084 Aug 07 j 03:32	0°♃								
	-1089 Jan 02 j 09:16	0°♃					retrograde		-1084 Aug 29 j 18:21	0°♃49'59								
retrograde	-1089 Mar 02 j 08:21	4°♃58'47					min. Earth dist.		-1084 Oct 26 j 23:50	25°♃55'36	4.10114 AU							
opposition	-1089 May 02 j 07:11	0°♃06'31	1°09'17				opposition		-1084 Oct 28 j 07:00	25°♃44'57	-1°-15'-43							
	-1089 May 03 j 03:39	30°♃♁					direct		-1084 Dec 25 j 20:53	20°♃45'51								
min. Earth dist.	-1089 May 03 j 15:39	29°♁56'11	4.27256 AU						-1083 Mar 17 j 03:53	0°♃								
direct	-1089 Jul 03 j 04:42	25°♁08'39					evening set		-1083 May 01 j 07:46	9°♃41'11								
	-1089 Aug 30 j 14:59	0°♃					conjunction		-1083 May 15 j 02:28	12°♃49'18	0°-33'-1							
evening set	-1089 Nov 05 j 15:28	13°♃26'56					minimum elong		-1083 May 15 j 02:30	12°♃49'19	0°33'01							
	-1089 Nov 12 j 09:38	15°♃					max. Earth dist.		-1083 May 16 j 22:48	13°♃14'33	6.16377 AU							
max. Earth dist.	-1089 Nov 16 j 16:56	15°♃59'33	6.20895 AU				morning rise		-1083 May 24 j 16:11	15°♃								
									-1083 May 28 j 21:24	15°♃57'19								
conjunction	-1089 Nov 18 j 06:36	16°♃21'17	0°29'05				retrograde		-1083 Aug 07 j 14:04	0°♃								
minimum elong	-1089 Nov 18 j 06:37	16°♃21'18	0°29'04				opposition		-1083 Oct 02 j 01:47	4°♃35'58								
morning rise	-1089 Nov 30 j 21:32	19°♃15'51					min. Earth dist.		-1083 Nov 27 j 08:48	30°♃♃								
	-1088 Jan 20 j 07:49	0°♃					direct		-1083 Nov 30 j 15:30	29°♃33'26	0°-18'-33							
retrograde	-1088 Apr 05 j 05:05	7°♃55'19					min. Earth dist.		-1083 Nov 29 j 18:03	29°♃40'41	4.22847 AU							
opposition	-1088 Jun 05 j 02:49	3°♃00'54	0°12'05				direct		-1082 Jan 29 j 09:05	24°♃31'42								
min. Earth dist.	-1088 Jun 05 j 23:44	2°♃54'11	4.14352 AU				asc. node		-1082 Mar 29 j 23:21	29°♃38'31								
	-1088 Jun 30 j 09:10	30°♃♃					evening set		-1082 Apr 01 j 05:48	0°♃								
direct	-1088 Aug 04 j 18:25	28°♃05'48							-1082 Jun 05 j 11:07	12°♃54'41								
desc. node	-1088 Aug 18 j 07:28	28°♃23'24					conjunction		-1082 Jun 19 j 02:58	15°♃56'11	0°08'33							
	-1088 Sep 08 j 17:19	0°♃					minimum elong		-1082 Jun 19 j 02:57	15°♃56'10	0°08'34							
evening set	-1088 Dec 07 j 15:49	16°♃55'31					behind sun begin		-1082 Jun 18 j 19:46	15°♃52'12								
							behind sun end		-1082 Jun 19 j 10:08	16°♃00'08								
conjunction	-1088 Dec 20 j 10:23	19°♃56'42	0°-13'-44				max. Earth dist.		-1082 Jun 19 j 22:40	16°♃07'06	6.29086 AU							
minimum elong	-1088 Dec 20 j 10:22	19°♃56'42	0°13'45				morning rise		-1082 Jul 02 j 17:23	18°♃56'42								
behind sun begin	-1088 Dec 20 j 05:56	19°♃54'04							-1082 Aug 26 j 10:26	0°♃								
behind sun end	-1088 Dec 20 j 14:49	19°♃59'19					retrograde		-1082 Nov 02 j 15:13	6°♃36'32								
max. Earth dist.	-1088 Dec 19 j 17:16	19°♃46'34	6.08311 AU				opposition		-1081 Jan 01 j 09:41	1°♃37'48	0°41'11							
morning rise	-1087 Jan 02 j 06:45	22°♃59'00					min. Earth dist.		-1081 Jan 01 j 05:18	1°♃39'15	4.34446 AU							
	-1087 Feb 02 j 02:22	0°♃					direct		-1081 Jan 13 j 21:38	30°♃♃								
retrograde	-1087 May 12 j 01:17	12°♃41'24					evening set		-1081 Mar 03 j 12:09	26°♃34'36								
opposition	-1087 Jul 11 j 15:44	7°♃43'26	0°-52'-43						-1081 Apr 21 j 08:35	0°♃								
min. Earth dist.	-1087 Jul 11 j 16:12	7°♃43'17	4.03161 AU				conjunction		-1081 Jul 08 j 19:11	14°♃31'25								
direct	-1087 Sep 08 j 21:08	2°♃50'01					minimum elong		-1081 Jul 22 j 03:59	17°♃25'59	0°45'59							
evening set	-1086 Jan 11 j 15:12	22°♃08'39							-1081 Jul 22 j 03:56	17°♃25'57	0°46'00							

Planetary Phenomena of Jupiter from -1400 through -900 (UT), Astrodienst AG 14-Nov-2015 16:09, page 29

Attention, astronomical year style is used: The year -1081 in astronomical counting style is the year 1082 BCE in historical counting style.

max. Earth dist.	-1081 Jul 21 j 21:49	17°♄22'37	6.38702 AU	morning rise	-1075 Jan 07 j 03:57	28°♂01'02	
morning rise	-1081 Aug 04 j 09:46	20°♄19'01			-1075 Jan 15 j 14:55	0°♂	
	-1081 Sep 21 j 08:34	0°♄		retrograde	-1075 May 17 j 08:57	17°♂50'02	
retrograde	-1081 Dec 03 j 03:37	7°♄21'24		opposition	-1075 Jul 16 j 21:20	12°♂51'30	-1°00'-58
opposition	-1080 Feb 01 j 06:53	2°♄26'20	1°26'44	min. Earth dist.	-1075 Jul 16 j 19:28	12°♂52'06	4.02321 AU
min. Earth dist.	-1080 Feb 01 j 18:58	2°♄22'24	4.41523 AU	direct	-1075 Sep 13 j 23:19	7°♂58'11	
	-1080 Feb 20 j 20:31	30°♄		evening set	-1074 Jan 16 j 16:19	27°♂18'23	
direct	-1080 Apr 03 j 10:06	27°♄23'05			-1074 Jan 27 j 21:38	0°♄	
	-1080 May 16 j 08:09	0°♄		conjunction	-1074 Jan 29 j 17:52	0°♄26'36	0°-57'-22
evening set	-1080 Aug 08 j 15:48	15°♄06'03		minimum elong	-1074 Jan 29 j 17:49	0°♄26'34	0°57'24
	-1080 Aug 08 j 04:35	15°♄		max. Earth dist.	-1074 Jan 30 j 11:17	0°♄37'04	5.99212 AU
max. Earth dist.	-1080 Aug 20 j 09:23	17°♄38'52	6.42626 AU	morning rise	-1074 Feb 11 j 22:33	3°♄36'31	
conjunction	-1080 Aug 21 j 15:57	17°♄55'30	1°09'36		-1074 Apr 04 j 04:48	15°♄	
minimum elong	-1080 Aug 21 j 15:55	17°♄55'29	1°09'37	retrograde	-1074 Jun 24 j 02:50	24°♄03'46	
morning rise	-1080 Sep 03 j 13:04	20°♄43'28		min. Earth dist.	-1074 Aug 22 j 07:35	19°♄08'43	3.98103 AU
	-1080 Oct 19 j 08:29	0°♄		opposition	-1074 Aug 23 j 05:43	19°♄01'18	-1°-43'-46
retrograde	-1079 Jan 01 j 16:59	7°♄35'08			-1074 Sep 27 j 15:19	15°♄	
opposition	-1079 Mar 03 j 04:10	2°♄42'39	1°47'55	direct	-1074 Oct 20 j 07:43	14°♄07'25	
min. Earth dist.	-1079 Mar 04 j 07:29	2°♄33'53	4.42203 AU		-1074 Nov 12 j 01:20	15°♄	
	-1079 Mar 25 j 12:13	30°♄		evening set	-1073 Feb 06 j 23:51	0°♄	
direct	-1079 May 04 j 21:24	27°♄40'28			-1073 Feb 22 j 11:12	3°♄38'12	
	-1079 Jun 14 j 07:24	0°♄		conjunction	-1073 Mar 07 j 20:26	6°♄49'57	-1°-13'-34
evening set	-1079 Sep 08 j 15:14	15°♄23'45		minimum elong	-1073 Mar 07 j 20:26	6°♄49'57	1°13'36
max. Earth dist.	-1079 Sep 19 j 11:58	17°♄46'50	6.39910 AU	max. Earth dist.	-1073 Mar 09 j 15:04	7°♄15'26	5.98852 AU
conjunction	-1079 Sep 21 j 08:48	18°♄11'31	1°13'58	morning rise	-1073 Mar 21 j 08:51	10°♄03'17	
minimum elong	-1079 Sep 21 j 08:49	18°♄11'31	1°13'57		-1073 Jul 15 j 06:37	0°♄	
morning rise	-1079 Oct 03 j 23:51	20°♄58'09		retrograde	-1073 Jul 31 j 05:36	0°♄25'06	
	-1079 Nov 16 j 20:28	0°♄			-1073 Aug 16 j 01:35	30°♄	
retrograde	-1078 Feb 02 j 01:47	8°♄06'22		opposition	-1073 Sep 28 j 22:36	25°♄20'05	-1°-46'-5
opposition	-1078 Apr 03 j 21:29	3°♄14'45	1°39'48	min. Earth dist.	-1073 Sep 27 j 14:55	25°♄30'53	4.01758 AU
min. Earth dist.	-1078 Apr 05 j 07:04	3°♄04'03	4.36330 AU	direct	-1073 Nov 25 j 22:50	20°♄23'42	
	-1078 May 01 j 16:47	30°♄			-1072 Feb 15 j 17:44	0°♄	
direct	-1078 Jun 05 j 10:20	28°♄14'39		evening set	-1072 Mar 30 j 17:43	9°♄42'39	
	-1078 Jul 10 j 03:16	0°♄		conjunction	-1072 Apr 13 j 09:51	12°♄54'10	-1°-1'-30
evening set	-1078 Oct 09 j 12:45	16°♄11'54		minimum elong	-1072 Apr 13 j 09:54	12°♄54'12	1°01'31
max. Earth dist.	-1078 Oct 20 j 05:27	18°♄35'57	6.31308 AU	max. Earth dist.	-1072 Apr 15 j 14:14	13°♄24'47	6.06113 AU
conjunction	-1078 Oct 22 j 03:19	19°♄01'47	0°57'35	morning rise	-1072 Apr 27 j 03:57	16°♄06'32	
minimum elong	-1078 Oct 22 j 03:22	19°♄01'49	0°57'35		-1072 Jul 03 j 06:59	0°♄	
morning rise	-1078 Nov 03 j 16:27	21°♄51'12		retrograde	-1072 Sep 03 j 10:55	5°♄41'13	
	-1078 Dec 11 j 20:34	0°♄		opposition	-1072 Nov 01 j 23:28	0°♄36'26	-1°-8'-48
retrograde	-1077 Mar 07 j 03:54	9°♄40'33		min. Earth dist.	-1072 Oct 31 j 17:00	0°♄46'49	4.11796 AU
opposition	-1077 May 07 j 03:01	4°♄48'08	1°02'21		-1072 Nov 06 j 10:41	30°♄	
min. Earth dist.	-1077 May 08 j 10:34	4°♄38'06	4.25468 AU	direct	-1072 Dec 30 j 15:35	25°♄36'56	
	-1077 Jun 27 j 21:28	30°♄			-1071 Feb 22 j 08:53	0°♄	
direct	-1077 Jul 07 j 21:27	29°♄50'45		evening set	-1071 May 06 j 05:53	14°♄27'55	
	-1077 Jul 17 j 20:37	0°♄			-1071 May 08 j 14:42	15°♄	
	-1077 Oct 27 j 00:28	15°♄		conjunction	-1071 May 20 j 00:24	17°♄35'15	0°-27'-34
evening set	-1077 Nov 10 j 05:25	18°♄13'11		minimum elong	-1071 May 20 j 00:26	17°♄35'16	0°27'34
max. Earth dist.	-1077 Nov 21 j 08:36	20°♄47'27	6.19118 AU	max. Earth dist.	-1071 May 21 j 16:07	17°♄57'47	6.18078 AU
conjunction	-1077 Nov 22 j 20:42	21°♄08'22	0°23'24	morning rise	-1071 Jun 02 j 19:13	20°♄42'25	
minimum elong	-1077 Nov 22 j 20:44	21°♄08'23	0°23'23		-1071 Jul 16 j 12:29	0°♄	
morning rise	-1077 Dec 05 j 12:21	24°♄03'57		retrograde	-1071 Oct 06 j 12:17	9°♄12'47	
	-1077 Dec 31 j 23:46	0°♄		min. Earth dist.	-1071 Dec 04 j 07:44	4°♄17'00	4.24413 AU
retrograde	-1076 Apr 10 j 07:03	12°♄52'02		opposition	-1071 Dec 05 j 02:23	4°♄10'42	0°-10'-4
opposition	-1076 Jun 10 j 04:45	7°♄57'09	0°02'52		-1070 Jan 11 j 00:24	30°♄	
min. Earth dist.	-1076 Jun 10 j 22:14	7°♄51'31	4.12732 AU	direct	-1070 Feb 03 j 00:56	29°♄08'39	
desc. node	-1076 Jun 27 j 18:11	5°♄46'12		asc. node	-1070 Feb 07 j 21:40	29°♄10'58	
direct	-1076 Aug 09 j 15:34	3°♄02'21			-1070 Feb 26 j 07:48	0°♄	
evening set	-1076 Dec 12 j 11:31	21°♄55'46		evening set	-1070 Jun 10 j 03:44	17°♄28'14	
conjunction	-1076 Dec 25 j 06:55	24°♄57'50	0°-19'-51	conjunction	-1070 Jun 23 j 19:00	20°♄28'54	0°14'12
minimum elong	-1076 Dec 25 j 06:53	24°♄57'49	0°19'53	minimum elong	-1070 Jun 23 j 19:00	20°♄28'54	0°14'13
max. Earth dist.	-1076 Dec 24 j 19:34	24°♄51'06	6.07011 AU	behind sun begin	-1070 Jun 23 j 15:18	20°♄26'51	

Planetary Phenomena of Jupiter from -1400 through -900 (UT), Astrodienst AG 14-Nov-2015 16:09, page 30

Attention, astronomical year style is used: The year -1070 in astronomical counting style is the year 1071 BCE in historical counting style.

behind sun end	-1070 Jun 23 j 22:42	20°II30'56		conjunction	-1064 Dec 30 j 02:09	29°Z55'29	0°-25'-48
max. Earth dist.	-1070 Jun 24 j 12:16	20°II38'27	6.30420 AU	minimum elong	-1064 Dec 30 j 02:08	29°Z55'28	0°25'50
morning rise	-1070 Jul 07 j 08:17	23°II28'26		max. Earth dist.	-1064 Dec 29 j 17:15	29°Z50'11	6.05693 AU
	-1070 Aug 07 j 02:36	0°S			-1064 Dec 30 j 09:45	0°Z	
retrograde	-1070 Nov 06 j 21:29	11°S02'38		morning rise	-1063 Jan 12 j 00:17	2°Z59'42	
opposition	-1069 Jan 05 j 17:13	6°S04'28	0°48'35	retrograde	-1063 May 22 j 12:52	22°Z55'36	
min. Earth dist.	-1069 Jan 05 j 14:32	6°S05'21	4.35471 AU	opposition	-1063 Jul 22 j 01:18	17°Z56'31	-1°-8'-45
direct	-1069 Mar 07 j 22:44	1°S01'15		min. Earth dist.	-1063 Jul 21 j 19:48	17°Z58'20	4.01353 AU
evening set	-1069 Jul 13 j 07:31	18°S56'21		direct	-1063 Sep 18 j 22:09	13°Z03'16	
					-1062 Jan 11 j 10:38	0°Z	
conjunction	-1069 Jul 26 j 15:01	21°S50'10	0°50'14	evening set	-1062 Jan 21 j 16:58	2°Z26'07	
minimum elong	-1069 Jul 26 j 14:58	21°S50'08	0°50'14				
max. Earth dist.	-1069 Jul 26 j 03:55	21°S44'07	6.39339 AU	conjunction	-1062 Feb 03 j 19:34	5°Z35'01	-1°-1'-11
morning rise	-1069 Aug 08 j 19:45	24°S42'29		minimum elong	-1062 Feb 03 j 19:31	5°Z35'00	1°01'12
	-1069 Sep 02 j 21:31	0°Q		max. Earth dist.	-1062 Feb 04 j 17:02	5°Z47'56	5.98675 AU
retrograde	-1069 Dec 07 j 10:50	11°Q42'40		morning rise	-1062 Feb 17 j 01:14	8°Z45'38	
opposition	-1068 Feb 05 j 14:07	6°Q48'04	1°31'15		-1062 Mar 15 j 21:34	15°Z	
min. Earth dist.	-1068 Feb 06 j 05:15	6°Q43'08	4.41767 AU	retrograde	-1062 Jun 29 j 09:05	29°Z15'12	
direct	-1068 Apr 07 j 20:50	1°Q44'52		min. Earth dist.	-1062 Aug 27 j 10:22	24°Z20'04	3.98059 AU
	-1068 Jul 22 j 22:29	15°Q		opposition	-1062 Aug 28 j 09:30	24°Z12'17	-1°-46'-42
evening set	-1068 Aug 13 j 00:53	19°Q27'51		direct	-1062 Oct 25 j 11:08	19°Z18'07	
max. Earth dist.	-1068 Aug 24 j 16:07	21°Q59'31	6.42451 AU		-1061 Jan 19 j 19:49	0°X	
				evening set	-1061 Feb 27 j 15:30	8°X49'04	
conjunction	-1068 Aug 26 j 00:09	22°Q16'58	1°11'24	conjunction	-1061 Mar 13 j 01:54	12°X01'07	-1°-13'-33
minimum elong	-1068 Aug 26 j 00:07	22°Q16'57	1°11'24	minimum elong	-1061 Mar 13 j 01:55	12°X01'08	1°13'33
morning rise	-1068 Sep 07 j 20:10	25°Q04'35		max. Earth dist.	-1061 Mar 14 j 23:33	12°X28'21	5.99297 AU
	-1068 Oct 01 j 02:30	0°Q		morning rise	-1061 Mar 26 j 15:19	15°X14'42	
retrograde	-1067 Jan 06 j 00:04	11°Q57'29			-1061 Jun 05 j 00:09	0°Y	
opposition	-1067 Mar 07 j 13:34	7°Q05'12	1°48'32	retrograde	-1061 Aug 05 j 06:55	5°Y32'44	
min. Earth dist.	-1067 Mar 08 j 17:05	6°Q56'22	4.41649 AU	opposition	-1061 Oct 03 j 22:30	0°Y27'39	-1°-42'-57
direct	-1067 May 09 j 06:03	2°Q03'17		min. Earth dist.	-1061 Oct 02 j 14:09	0°Y38'40	4.02649 AU
evening set	-1067 Sep 12 j 23:17	19°Q47'59			-1061 Oct 07 j 07:47	30°R	
max. Earth dist.	-1067 Sep 23 j 19:09	22°Q10'58	6.39012 AU	direct	-1061 Nov 30 j 22:36	25°R30'52	
					-1060 Jan 23 j 10:56	0°Y	
conjunction	-1067 Sep 25 j 16:09	22°Q35'49	1°12'51	evening set	-1060 Apr 04 j 21:48	14°Y47'29	
minimum elong	-1067 Sep 25 j 16:09	22°Q35'49	1°12'51				
morning rise	-1067 Oct 08 j 06:40	25°Q22'36		conjunction	-1060 Apr 18 j 14:31	17°Y58'44	0°-57'-45
	-1067 Oct 29 j 18:29	0°Q		minimum elong	-1060 Apr 18 j 14:34	17°Y58'46	0°57'45
retrograde	-1066 Feb 06 j 15:15	12°Q35'06		max. Earth dist.	-1060 Apr 20 j 16:47	18°Y28'01	6.07354 AU
opposition	-1066 Apr 08 j 11:16	7°Q43'29	1°36'09	morning rise	-1060 May 02 j 09:17	21°Y10'46	
min. Earth dist.	-1066 Apr 09 j 21:43	7°Q32'32	4.35123 AU		-1060 Jun 11 j 11:47	0°Y	
direct	-1066 Jun 09 j 23:44	2°Q43'45		retrograde	-1060 Sep 08 j 04:50	10°Y37'56	
evening set	-1066 Oct 13 j 22:04	20°Q43'34		opposition	-1060 Nov 06 j 17:46	5°Y33'23	-1°-1'-18
max. Earth dist.	-1066 Oct 24 j 14:34	23°Q08'01	6.29878 AU	min. Earth dist.	-1060 Nov 05 j 12:29	5°Y43'22	4.13238 AU
				direct	-1059 Jan 04 j 13:43	0°Y33'28	
conjunction	-1066 Oct 26 j 12:30	23°Q33'59	0°53'41		-1059 Apr 21 j 14:38	15°Y	
minimum elong	-1066 Oct 26 j 12:32	23°Q34'00	0°53'41	evening set	-1059 May 11 j 06:18	19°Y20'58	
morning rise	-1066 Nov 08 j 01:48	26°Q24'03					
	-1066 Nov 24 j 07:26	0°M		conjunction	-1059 May 25 j 00:56	22°Y27'39	0°-21'-47
retrograde	-1065 Mar 11 j 21:46	14°M20'10		minimum elong	-1059 May 25 j 00:57	22°Y27'40	0°21'48
opposition	-1065 May 11 j 22:00	9°M27'28	0°55'01	max. Earth dist.	-1059 May 26 j 15:15	22°Y49'19	6.19636 AU
min. Earth dist.	-1065 May 13 j 03:23	9°M18'06	4.23884 AU	morning rise	-1059 Jun 07 j 19:12	25°Y33'56	
direct	-1065 Jul 12 j 12:11	4°M30'26			-1059 Jun 27 j 22:41	0°Y	
	-1065 Oct 09 j 15:17	15°M		retrograde	-1059 Oct 11 j 01:44	13°Y56'22	
evening set	-1065 Nov 14 j 18:25	22°M56'26		opposition	-1059 Dec 09 j 15:36	8°Y54'52	0°-1'-18
max. Earth dist.	-1065 Nov 26 j 01:50	25°M33'41	6.17514 AU	min. Earth dist.	-1059 Dec 08 j 22:40	9°Y00'34	4.25948 AU
				asc. node	-1059 Dec 18 j 03:08	7°Y46'59	
conjunction	-1065 Nov 27 j 10:10	25°M52'29	0°17'36	direct	-1058 Feb 07 j 18:19	3°Y52'40	
minimum elong	-1065 Nov 27 j 10:11	25°M52'29	0°17'36	evening set	-1058 Jun 14 j 23:12	22°Y08'52	
morning rise	-1065 Dec 10 j 02:15	28°M48'58					
	-1065 Dec 15 j 05:39	0°Z		conjunction	-1058 Jun 28 j 13:29	25°Y08'34	0°19'55
retrograde	-1064 Apr 15 j 09:34	17°Z45'11		minimum elong	-1058 Jun 28 j 13:27	25°Y08'33	0°19'56
desc. node	-1064 May 07 j 17:34	16°Z58'33		max. Earth dist.	-1058 Jun 29 j 02:13	25°Y15'35	6.31835 AU
opposition	-1064 Jun 15 j 05:23	12°Z49'54	0°-6'-18	morning rise	-1058 Jul 12 j 01:52	28°Y07'07	
min. Earth dist.	-1064 Jun 15 j 21:26	12°Z44'43	4.11207 AU		-1058 Jul 20 j 17:22	0°S	
direct	-1064 Aug 14 j 12:18	7°Z55'24		retrograde	-1058 Nov 11 j 06:43	15°S35'17	
evening set	-1064 Dec 17 j 06:09	26°Z52'33					

Planetary Phenomena of Jupiter from -1400 through -900 (UT), Astrodienst AG 14-Nov-2015 16:09, page 31

Attention, astronomical year style is used: The year -1057 in astronomical counting style is the year 1058 BCE in historical counting style.

opposition	-1057 Jan 10 j 03:15	10°♄37'39	0°55'53			-1052 Dec 14 j 20:34	0°♄	
min. Earth dist.	-1057 Jan 10 j 02:54	10°♄37'45	4.36705 AU	evening set		-1052 Dec 21 j 21:14	1°♄39'22	
direct	-1057 Mar 12 j 13:11	5°♄34'21						
evening set	-1057 Jul 17 j 21:20	23°♄26'42		conjunction		-1051 Jan 03 j 18:02	4°♄43'14	0°-31'-21
				minimum elong		-1051 Jan 03 j 18:00	4°♄43'13	0°31'23
conjunction	-1057 Jul 31 j 03:46	26°♄19'39	0°54'16	max. Earth dist.		-1051 Jan 03 j 12:25	4°♄39'53	6.04294 AU
minimum elong	-1057 Jul 31 j 03:43	26°♄19'37	0°54'17	morning rise		-1051 Jan 16 j 17:01	7°♄48'28	
max. Earth dist.	-1057 Jul 30 j 15:30	26°♄12'58	6.40329 AU	retrograde		-1051 May 27 j 15:34	27°♄51'46	
morning rise	-1057 Aug 13 j 07:02	29°♄11'00		opposition		-1051 Jul 27 j 01:23	22°♄52'10	-1°-15'-47
	-1057 Aug 17 j 01:53	0°♄		min. Earth dist.		-1051 Jul 26 j 18:39	22°♄54'23	4.00174 AU
	-1057 Nov 14 j 20:23	15°♄		direct		-1051 Sep 23 j 19:28	17°♄58'51	
retrograde	-1057 Dec 11 j 17:04	16°♄07'46				-1051 Dec 25 j 11:57	0°♄	
	-1056 Jan 07 j 13:36	15°♄		evening set		-1050 Jan 26 j 14:47	7°♄25'34	
opposition	-1056 Feb 09 j 22:50	11°♄13'34	1°35'19					
min. Earth dist.	-1056 Feb 10 j 14:48	11°♄08'23	4.42479 AU	conjunction		-1050 Feb 08 j 18:33	10°♄35'22	-1°-4'-24
direct	-1056 Apr 12 j 07:33	6°♄10'33		minimum elong		-1050 Feb 08 j 18:31	10°♄35'20	1°04'26
	-1056 Jul 04 j 20:32	15°♄		max. Earth dist.		-1050 Feb 09 j 19:31	10°♄50'23	5.97826 AU
evening set	-1056 Aug 17 j 10:19	23°♄51'32		morning rise		-1050 Feb 22 j 01:25	13°♄46'53	
max. Earth dist.	-1056 Aug 28 j 21:27	26°♄21'02	6.42826 AU			-1050 Feb 27 j 04:15	15°♄	
						-1050 May 11 j 18:52	0°♄	
conjunction	-1056 Aug 30 j 08:15	26°♄40'00	1°12'49	retrograde		-1050 Jul 04 j 12:48	4°♄19'54	
minimum elong	-1056 Aug 30 j 08:14	26°♄39'59	1°12'48			-1050 Aug 28 j 01:32	30°♄	
morning rise	-1056 Sep 12 j 03:21	29°♄27'04		min. Earth dist.		-1050 Sep 01 j 09:37	29°♄25'03	3.97672 AU
	-1056 Sep 14 j 16:16	0°♄		opposition		-1050 Sep 02 j 10:38	29°♄16'37	-1°-48'-46
retrograde	-1055 Jan 10 j 08:34	16°♄19'25		direct		-1050 Oct 30 j 09:19	24°♄22'13	
opposition	-1055 Mar 11 j 22:56	11°♄27'17	1°48'31			-1050 Dec 29 j 10:52	0°♄	
min. Earth dist.	-1055 Mar 13 j 04:25	11°♄17'51	4.41670 AU	evening set		-1049 Mar 04 j 18:24	13°♄54'55	
direct	-1055 May 13 j 17:40	6°♄25'35						
evening set	-1055 Sep 17 j 05:48	24°♄09'30		conjunction		-1049 Mar 18 j 05:49	17°♄07'25	-1°-12'-56
max. Earth dist.	-1055 Sep 28 j 00:45	26°♄32'08	6.38669 AU	minimum elong		-1049 Mar 18 j 05:50	17°♄07'26	1°12'57
				max. Earth dist.		-1049 Mar 20 j 04:02	17°♄34'58	5.99390 AU
conjunction	-1055 Sep 29 j 22:07	26°♄57'13	1°11'21	morning rise		-1049 Mar 31 j 20:26	20°♄21'27	
minimum elong	-1055 Sep 29 j 22:09	26°♄57'13	1°11'21			-1049 May 13 j 21:37	0°♄	
morning rise	-1055 Oct 12 j 12:03	29°♄43'56		retrograde		-1049 Aug 10 j 06:07	10°♄37'04	
	-1055 Oct 13 j 17:18	0°♄		opposition		-1049 Oct 08 j 21:07	5°♄31'50	-1°-39'-3
retrograde	-1054 Feb 11 j 00:09	16°♄58'55		min. Earth dist.		-1049 Oct 07 j 12:09	5°♄43'06	4.03214 AU
opposition	-1054 Apr 12 j 22:49	12°♄07'11	1°32'00	direct		-1049 Dec 05 j 22:09	0°♄34'38	
min. Earth dist.	-1054 Apr 14 j 08:23	11°♄56'31	4.34430 AU	evening set		-1048 Apr 10 j 01:34	19°♄50'08	
direct	-1054 Jun 14 j 08:52	7°♄07'45						
evening set	-1054 Oct 18 j 04:25	25°♄08'24		conjunction		-1048 Apr 23 j 19:09	23°♄01'19	0°-53'-34
max. Earth dist.	-1054 Oct 28 j 21:48	27°♄33'43	6.28885 AU	minimum elong		-1048 Apr 23 j 19:12	23°♄01'21	0°53'34
				max. Earth dist.		-1048 Apr 25 j 22:31	23°♄31'09	6.08368 AU
conjunction	-1054 Oct 30 j 18:41	27°♄59'09	0°49'35	morning rise		-1048 May 07 j 14:11	26°♄13'02	
minimum elong	-1054 Oct 30 j 18:44	27°♄59'11	0°49'34			-1048 May 24 j 06:14	0°♄	
	-1054 Nov 08 j 16:01	0°♄				-1048 Aug 25 j 15:14	15°♄	
morning rise	-1054 Nov 12 j 08:02	0°♄49'40		retrograde		-1048 Sep 13 j 00:36	15°♄33'13	
	-1053 Jan 24 j 04:28	15°♄				-1048 Oct 01 j 04:49	15°♄	
retrograde	-1053 Mar 16 j 14:13	18°♄51'19		min. Earth dist.		-1048 Nov 10 j 07:39	10°♄38'32	4.14568 AU
	-1053 May 08 j 10:57	15°♄		opposition		-1048 Nov 11 j 11:47	10°♄28'58	0°-53'-22
opposition	-1053 May 16 j 13:47	13°♄58'21	0°47'33	direct		-1047 Jan 09 j 11:24	5°♄28'41	
min. Earth dist.	-1053 May 17 j 19:19	13°♄48'55	4.22617 AU			-1047 Apr 02 j 23:20	15°♄	
direct	-1053 Jul 17 j 01:49	9°♄01'35		evening set		-1047 May 16 j 06:50	24°♄12'54	
	-1053 Sep 19 j 21:08	15°♄						
evening set	-1053 Nov 19 j 03:38	27°♄30'13		conjunction		-1047 May 30 j 01:09	27°♄18'49	0°-15'-52
	-1053 Nov 29 j 21:25	0°♄		minimum elong		-1047 May 30 j 01:11	27°♄18'49	0°15'52
conjunction	-1053 Dec 01 j 19:42	0°♄26'59	0°11'55	max. Earth dist.		-1047 May 31 j 12:47	27°♄38'53	6.21168 AU
minimum elong	-1053 Dec 01 j 19:43	0°♄27'00	0°11'54			-1047 Jun 10 j 23:45	0°♄	
behind sun begin	-1053 Dec 01 j 14:05	0°♄23'43		morning rise		-1047 Jun 12 j 19:05	0°♄24'15	
behind sun end	-1053 Dec 02 j 01:22	0°♄30'16		retrograde		-1047 Oct 15 j 13:29	18°♄38'40	
max. Earth dist.	-1053 Nov 30 j 12:08	0°♄08'35	6.16083 AU	asc. node		-1047 Oct 27 j 03:02	18°♄25'22	
morning rise	-1053 Dec 14 j 12:28	3°♄24'22		opposition		-1047 Dec 14 j 04:39	13°♄37'35	0°07'26
desc. node	-1052 Mar 19 j 18:05	20°♄57'03		min. Earth dist.		-1047 Dec 13 j 13:01	13°♄42'50	4.27526 AU
retrograde	-1052 Apr 20 j 05:26	22°♄28'14		direct		-1046 Feb 12 j 11:29	8°♄35'06	
opposition	-1052 Jun 20 j 01:36	17°♄32'29	0°-15'-8	evening set		-1046 Jun 19 j 17:45	26°♄47'27	
min. Earth dist.	-1052 Jun 20 j 14:53	17°♄28'11	4.09725 AU	conjunction		-1046 Jul 03 j 07:09	29°♄46'09	0°25'30
direct	-1052 Aug 19 j 02:59	12°♄38'11		minimum elong		-1046 Jul 03 j 07:07	29°♄46'08	0°25'30

Planetary Phenomena of Jupiter from -1400 through -900 (UT), Astrodienst AG 14-Nov-2015 16:09, page 32

Attention, astronomical year style is used: The year -1046 in astronomical counting style is the year 1047 BCE in historical counting style.

max. Earth dist.	-1046 Jul 03 j 17:34	29° Π 51'53	6.33324 AU	retrograde	-1040 Apr 25 j 10:33	27° \mathcal{A} 28'49	
	-1046 Jul 04 j 08:18	0° \mathcal{E}		opposition	-1040 Jun 25 j 04:44	22° \mathcal{A} 32'35	0°-24'-24
morning rise	-1046 Jul 16 j 18:13	2° \mathcal{E} 43'32		min. Earth dist.	-1040 Jun 25 j 16:08	22° \mathcal{A} 28'53	4.07924 AU
retrograde	-1046 Nov 15 j 15:27	20° \mathcal{E} 05'30		direct	-1040 Aug 24 j 02:09	17° \mathcal{A} 38'31	
opposition	-1045 Jan 14 j 12:42	15° \mathcal{E} 08'23	1°02'49		-1040 Nov 27 j 11:35	0° \mathcal{E}	
min. Earth dist.	-1045 Jan 14 j 14:36	15° \mathcal{E} 07'46	4.37961 AU	evening set	-1040 Dec 26 j 19:21	6° \mathcal{E} 44'43	
direct	-1045 Mar 17 j 02:50	10° \mathcal{E} 05'03					
evening set	-1045 Jul 22 j 10:13	27° \mathcal{E} 54'30		conjunction	-1039 Jan 08 j 17:06	9° \mathcal{E} 49'39	0°-37'-2
	-1045 Aug 01 j 01:44	0° \mathcal{Q}		minimum elong	-1039 Jan 08 j 17:04	9° \mathcal{E} 49'38	0°37'03
conjunction	-1045 Aug 04 j 15:16	0° \mathcal{Q} 46'32	0°57'59	max. Earth dist.	-1039 Jan 08 j 15:52	9° \mathcal{E} 48'55	6.02807 AU
minimum elong	-1045 Aug 04 j 15:14	0° \mathcal{Q} 46'31	0°58'00	morning rise	-1039 Jan 21 j 17:10	12° \mathcal{E} 56'01	
max. Earth dist.	-1045 Aug 03 j 22:35	0° \mathcal{Q} 37'27	6.41206 AU	retrograde	-1039 Apr 17 j 17:10	0° \approx	
morning rise	-1045 Aug 17 j 17:22	3° \mathcal{Q} 37'02			-1039 Jun 02 j 00:35	3° \approx 06'30	
	-1045 Oct 14 j 21:26	15° \mathcal{Q}		opposition	-1039 Jul 17 j 16:36	30° \mathcal{R} \mathcal{E}	
retrograde	-1045 Dec 16 j 00:14	20° \mathcal{Q} 31'00		min. Earth dist.	-1039 Aug 01 j 08:26	28° \mathcal{E} 06'26	-1°-22'-40
opposition	-1044 Feb 14 j 07:02	15° \mathcal{Q} 37'09	1°38'53	direct	-1039 Jul 31 j 22:17	28° \mathcal{E} 09'47	3.99201 AU
min. Earth dist.	-1044 Feb 15 j 01:32	15° \mathcal{Q} 31'10	4.42926 AU	direct	-1039 Sep 28 j 21:59	23° \mathcal{E} 13'10	
	-1044 Feb 19 j 01:59	15° \mathcal{R} \mathcal{Q}		evening set	-1039 Dec 04 j 16:06	0° \approx	
direct	-1044 Apr 16 j 18:22	10° \mathcal{Q} 34'11			-1038 Jan 31 j 19:49	12° \approx 42'39	
	-1044 Jun 12 j 17:42	15° \mathcal{Q}			-1038 Feb 10 j 08:25	15° \approx	
evening set	-1044 Aug 21 j 19:00	28° \mathcal{Q} 14'16		conjunction	-1038 Feb 14 j 00:31	15° \approx 53'04	-1°-7'-19
	-1044 Aug 29 j 21:46	0° \mathcal{M}		minimum elong	-1038 Feb 14 j 00:29	15° \approx 53'03	1°07'20
max. Earth dist.	-1044 Sep 02 j 04:18	0° \mathcal{M} 42'49	6.42783 AU	max. Earth dist.	-1038 Feb 15 j 04:34	16° \approx 09'57	5.97453 AU
				morning rise	-1038 Feb 27 j 08:37	19° \approx 05'15	
conjunction	-1044 Sep 03 j 16:06	1° \mathcal{M} 02'21	1°13'51		-1038 Apr 17 j 02:40	0° \mathcal{K}	
minimum elong	-1044 Sep 03 j 16:05	1° \mathcal{M} 02'21	1°13'51	retrograde	-1038 Jul 09 j 19:04	9° \mathcal{K} 39'00	
morning rise	-1044 Sep 16 j 10:03	3° \mathcal{M} 49'01		opposition	-1038 Sep 07 j 16:38	4° \mathcal{K} 35'16	-1°-50'-3
retrograde	-1043 Jan 14 j 16:15	20° \mathcal{M} 42'30		min. Earth dist.	-1038 Sep 06 j 13:13	4° \mathcal{K} 44'32	3.97981 AU
opposition	-1043 Mar 16 j 08:49	15° \mathcal{M} 50'34	1°47'58		-1038 Oct 21 j 22:46	30° \mathcal{R} \approx	
min. Earth dist.	-1043 Mar 17 j 14:55	15° \mathcal{M} 40'57	4.41140 AU	direct	-1038 Nov 04 j 14:24	29° \approx 40'32	
direct	-1043 May 18 j 02:38	10° \mathcal{M} 49'09			-1038 Nov 18 j 06:56	0° \mathcal{K}	
evening set	-1043 Sep 21 j 13:20	28° \mathcal{M} 34'19		evening set	-1037 Mar 10 j 01:54	19° \mathcal{K} 11'57	
	-1043 Sep 28 j 00:42	0° \mathcal{L}					
max. Earth dist.	-1043 Oct 02 j 05:47	0° \mathcal{L} 56'00	6.37674 AU	conjunction	-1037 Mar 23 j 14:30	22° \mathcal{K} 24'30	-1°-11'-46
				minimum elong	-1037 Mar 23 j 14:32	22° \mathcal{K} 24'31	1°11'47
conjunction	-1043 Oct 04 j 04:57	1° \mathcal{L} 22'10	1°09'27	max. Earth dist.	-1037 Mar 25 j 16:30	22° \mathcal{K} 54'12	6.00372 AU
minimum elong	-1043 Oct 04 j 04:59	1° \mathcal{L} 22'11	1°09'27	morning rise	-1037 Apr 06 j 05:49	25° \mathcal{K} 38'23	
morning rise	-1043 Oct 16 j 18:39	4° \mathcal{L} 09'10			-1037 Apr 25 j 01:40	0° \mathcal{Y}	
retrograde	-1042 Feb 15 j 15:23	21° \mathcal{L} 29'11		retrograde	-1037 Aug 15 j 08:13	15° \mathcal{Y} 47'12	
opposition	-1042 Apr 17 j 13:16	16° \mathcal{L} 37'25	1°27'18	opposition	-1037 Oct 13 j 21:37	10° \mathcal{Y} 41'55	-1°-34'-20
min. Earth dist.	-1042 Apr 18 j 23:54	16° \mathcal{L} 26'24	4.33008 AU	min. Earth dist.	-1037 Oct 12 j 12:54	10° \mathcal{Y} 53'05	4.04753 AU
direct	-1042 Jun 18 j 21:54	11° \mathcal{L} 38'18		direct	-1037 Dec 11 j 01:50	5° \mathcal{Y} 44'16	
evening set	-1042 Oct 22 j 13:58	29° \mathcal{L} 42'22		evening set	-1036 Apr 15 j 06:13	24° \mathcal{Y} 54'47	
	-1042 Oct 23 j 21:13	0° \mathcal{M}					
max. Earth dist.	-1042 Nov 02 j 08:18	2° \mathcal{M} 08'46	6.27160 AU	conjunction	-1036 Apr 29 j 00:06	28° \mathcal{Y} 05'14	0°-49'-2
				minimum elong	-1036 Apr 29 j 00:09	28° \mathcal{Y} 05'16	0°49'02
conjunction	-1042 Nov 04 j 04:24	2° \mathcal{M} 33'51	0°45'04	max. Earth dist.	-1036 May 01 j 02:19	28° \mathcal{Y} 34'15	6.10313 AU
minimum elong	-1042 Nov 04 j 04:26	2° \mathcal{M} 33'52	0°45'03		-1036 May 07 j 06:54	0° \mathcal{B}	
morning rise	-1042 Nov 16 j 17:58	5° \mathcal{M} 25'11		morning rise	-1036 May 12 j 19:24	1° \mathcal{B} 16'08	
	-1042 Dec 31 j 20:25	15° \mathcal{M}			-1036 Jul 19 j 00:43	15° \mathcal{B}	
retrograde	-1041 Mar 21 j 10:09	23° \mathcal{M} 35'02		retrograde	-1036 Sep 17 j 15:37	20° \mathcal{B} 25'47	
opposition	-1041 May 21 j 10:14	18° \mathcal{M} 41'46	0°39'28	min. Earth dist.	-1036 Nov 15 j 00:53	15° \mathcal{B} 31'11	4.16707 AU
min. Earth dist.	-1041 May 22 j 13:30	18° \mathcal{M} 33'03	4.20701 AU	opposition	-1036 Nov 16 j 04:28	15° \mathcal{B} 21'48	0°-45'-12
	-1041 Jun 23 j 04:22	15° \mathcal{R} \mathcal{M}			-1036 Nov 18 j 20:37	15° \mathcal{R} \mathcal{B}	
direct	-1041 Jul 21 j 16:27	13° \mathcal{M} 45'25		direct	-1035 Jan 14 j 08:00	10° \mathcal{B} 21'05	
	-1041 Aug 19 j 02:15	15° \mathcal{M}			-1035 Mar 11 j 06:56	15° \mathcal{B}	
	-1041 Nov 13 j 17:01	0° \mathcal{A}		evening set	-1035 May 21 j 04:54	28° \mathcal{B} 59'15	
evening set	-1041 Nov 23 j 18:37	2° \mathcal{A} 19'01			-1035 May 25 j 17:39	0° \mathcal{H}	
max. Earth dist.	-1041 Dec 05 j 06:33	5° \mathcal{A} 00'04	6.14150 AU				
conjunction	-1041 Dec 06 j 11:11	5° \mathcal{A} 16'49	0°05'51	conjunction	-1035 Jun 03 j 22:46	2° \mathcal{H} 04'01	0°-10'00
minimum elong	-1041 Dec 06 j 11:11	5° \mathcal{A} 16'49	0°05'50	minimum elong	-1035 Jun 03 j 22:47	2° \mathcal{H} 04'02	0°09'59
behind sun begin	-1041 Dec 06 j 03:32	5° \mathcal{A} 12'22		behind sun begin	-1035 Jun 03 j 16:08	2° \mathcal{H} 00'19	
behind sun end	-1041 Dec 06 j 18:51	5° \mathcal{A} 21'17		behind sun end	-1035 Jun 04 j 05:27	2° \mathcal{H} 07'45	
morning rise	-1041 Dec 19 j 04:41	8° \mathcal{A} 15'21		max. Earth dist.	-1035 Jun 05 j 06:59	2° \mathcal{H} 22'06	6.23331 AU
desc. node	-1040 Jan 28 j 07:31	17° \mathcal{A} 07'52		morning rise	-1035 Jun 17 j 15:54	5° \mathcal{H} 08'10	
				asc. node	-1035 Sep 06 j 07:36	20° \mathcal{H} 17'26	

Planetary Phenomena of Jupiter from -1400 through -900 (UT), Astrodienst AG 14-Nov-2015 16:09, page 33

Attention, astronomical year style is used: The year -1035 in astronomical counting style is the year 1036 BCE in historical counting style.

retrograde	-1035 Oct 19 j 23:38	23°II12'56		conjunction	-1029 Dec 11 j 05:10	10°♁12'17	0°00'-25
opposition	-1035 Dec 18 j 14:43	18°II12'23	0°15'50	minimum elong	-1029 Dec 11 j 05:09	10°♁12'16	0°00'28
min. Earth dist.	-1035 Dec 18 j 02:16	18°II16'33	4.29507 AU	behind sun begin	-1029 Dec 10 j 21:09	10°♁07'35	
direct	-1034 Feb 17 j 03:15	13°II09'38		behind sun end	-1029 Dec 11 j 13:10	10°♁16'58	
	-1034 Jun 18 j 10:34	0°♁		morning rise	-1029 Dec 23 j 23:26	13°♁12'04	
evening set	-1034 Jun 24 j 08:37	1°♁17'05			-1028 Mar 20 j 07:21	0°♁	
				retrograde	-1028 Apr 30 j 17:20	2°♁35'26	
conjunction	-1034 Jul 07 j 20:56	4°♁14'39	0°30'44		-1028 Jun 11 j 13:01	30°R♁	
minimum elong	-1034 Jul 07 j 20:54	4°♁14'38	0°30'45	opposition	-1028 Jun 30 j 10:30	27°♁38'45	0°-33'-40
max. Earth dist.	-1034 Jul 08 j 03:00	4°♁17'58	6.34955 AU	min. Earth dist.	-1028 Jun 30 j 18:15	27°♁36'14	4.06207 AU
morning rise	-1034 Jul 21 j 06:50	7°♁10'52		direct	-1028 Aug 29 j 02:10	22°♁45'00	
retrograde	-1034 Nov 19 j 19:26	24°♁26'43			-1028 Nov 07 j 05:58	0°♁	
opposition	-1033 Jan 18 j 18:49	19°♁30'04	1°09'09	evening set	-1028 Dec 31 j 20:21	11°♁55'45	
min. Earth dist.	-1033 Jan 18 j 23:03	19°♁28'40	4.39150 AU				
direct	-1033 Mar 21 j 12:03	14°♁26'38		conjunction	-1027 Jan 13 j 18:51	15°♁01'36	0°-42'-30
	-1033 Jul 16 j 09:23	0°♁		minimum elong	-1027 Jan 13 j 18:48	15°♁01'34	0°42'32
evening set	-1033 Jul 26 j 19:20	2°♁13'38		max. Earth dist.	-1027 Jan 13 j 21:44	15°♁03'19	6.01589 AU
				morning rise	-1027 Jan 26 j 20:04	18°♁08'59	
conjunction	-1033 Aug 08 j 23:15	5°♁04'55	1°01'16		-1027 Mar 21 j 15:25	0°≈	
minimum elong	-1033 Aug 08 j 23:13	5°♁04'54	1°01'17	retrograde	-1027 Jun 07 j 10:04	8°≈25'15	
max. Earth dist.	-1033 Aug 08 j 03:30	4°♁54'11	6.41851 AU	opposition	-1027 Aug 06 j 16:49	3°≈24'32	-1°-28'-57
morning rise	-1033 Aug 22 j 00:02	7°♁54'40		min. Earth dist.	-1027 Aug 06 j 03:05	3°≈29'06	3.98627 AU
	-1033 Sep 25 j 04:52	15°♁			-1027 Sep 04 j 04:10	30°R♁	
retrograde	-1033 Dec 20 j 05:06	24°♁47'00		direct	-1027 Oct 04 j 03:13	28°♁31'11	
opposition	-1032 Feb 18 j 12:58	19°♁53'32	1°41'50		-1027 Nov 02 j 21:42	0°≈	
min. Earth dist.	-1032 Feb 19 j 09:56	19°♁46'46	4.43000 AU		-1026 Jan 24 j 07:00	15°≈	
	-1032 Apr 10 j 22:59	15°R♁		evening set	-1026 Feb 06 j 01:57	18°≈01'49	
direct	-1032 Apr 21 j 02:04	14°♁50'44					
	-1032 May 01 j 06:16	15°♁		conjunction	-1026 Feb 19 j 07:54	21°≈12'42	-1°-9'-42
	-1032 Aug 14 j 07:30	0°♁		minimum elong	-1026 Feb 19 j 07:52	21°≈12'41	1°09'43
evening set	-1032 Aug 26 j 01:19	2°♁31'06		max. Earth dist.	-1026 Feb 20 j 17:40	21°≈33'01	5.97556 AU
max. Earth dist.	-1032 Sep 06 j 05:28	4°♁57'10	6.42252 AU	morning rise	-1026 Mar 04 j 16:55	24°≈25'15	
					-1026 Mar 28 j 15:07	0°✠	
conjunction	-1032 Sep 07 j 21:24	5°♁19'00	1°14'28	retrograde	-1026 Jul 15 j 02:40	14°✠57'23	
minimum elong	-1032 Sep 07 j 21:23	5°♁18'59	1°14'28	opposition	-1026 Sep 12 j 22:22	9°✠53'18	-1°-50'-23
morning rise	-1032 Sep 20 j 14:43	8°♁05'35		min. Earth dist.	-1026 Sep 11 j 17:55	10°✠02'56	3.98752 AU
retrograde	-1031 Jan 19 j 01:38	25°♁02'01		direct	-1026 Nov 09 j 20:14	4°✠58'16	
opposition	-1031 Mar 20 j 17:56	20°♁10'13	1°46'53	evening set	-1025 Mar 15 j 08:50	24°✠26'47	
min. Earth dist.	-1031 Mar 22 j 01:49	20°♁00'01	4.40052 AU				
direct	-1031 May 22 j 11:15	15°♁09'01		conjunction	-1025 Mar 28 j 22:12	27°✠39'07	-1°-10'-2
	-1031 Sep 12 j 06:43	0°♁		minimum elong	-1025 Mar 28 j 22:14	27°✠39'08	1°10'03
evening set	-1031 Sep 25 j 20:09	2°♁57'15		max. Earth dist.	-1025 Mar 31 j 00:57	28°✠09'08	6.01692 AU
max. Earth dist.	-1031 Oct 06 j 12:48	5°♁19'32	6.36113 AU		-1025 Apr 07 j 20:44	0°♁	
				morning rise	-1025 Apr 11 j 14:25	0°♁52'43	
conjunction	-1031 Oct 08 j 11:36	5°♁45'36	1°07'11	retrograde	-1025 Aug 20 j 06:21	20°♁53'36	
minimum elong	-1031 Oct 08 j 11:38	5°♁45'37	1°07'10	min. Earth dist.	-1025 Oct 17 j 10:56	15°♁59'45	4.06480 AU
morning rise	-1031 Oct 21 j 00:56	8°♁33'07		opposition	-1025 Oct 18 j 20:20	15°♁48'21	-1°-28'-57
retrograde	-1030 Feb 20 j 05:45	26°♁00'08		direct	-1025 Dec 16 j 02:35	10°♁50'16	
opposition	-1030 Apr 22 j 04:23	21°♁08'17	1°22'05	evening set	-1024 Apr 20 j 09:23	29°♁55'41	
min. Earth dist.	-1030 Apr 23 j 14:15	20°♁57'31	4.31075 AU		-1024 Apr 20 j 16:57	0°♁	
direct	-1030 Jun 23 j 08:39	16°♁09'36					
	-1030 Oct 07 j 14:45	0°♁		conjunction	-1024 May 04 j 03:35	3°♁05'23	0°-44'-11
evening set	-1030 Oct 27 j 00:47	4°♁18'46		minimum elong	-1024 May 04 j 03:38	3°♁05'25	0°44'12
max. Earth dist.	-1030 Nov 06 j 20:02	6°♁46'28	6.25014 AU	max. Earth dist.	-1024 May 06 j 03:36	3°♁33'01	6.12299 AU
				morning rise	-1024 May 17 j 22:51	6°♁15'22	
conjunction	-1030 Nov 08 j 15:15	7°♁11'11	0°40'14		-1024 Jun 27 j 05:53	15°♁	
minimum elong	-1030 Nov 08 j 15:17	7°♁11'12	0°40'14	retrograde	-1024 Sep 22 j 07:39	25°♁14'59	
morning rise	-1030 Nov 21 j 05:21	10°♁03'37		opposition	-1024 Nov 20 j 19:47	20°♁11'25	0°-36'-51
	-1030 Dec 13 j 09:58	15°♁		min. Earth dist.	-1024 Nov 19 j 18:57	20°♁19'51	4.18738 AU
retrograde	-1029 Mar 26 j 11:08	28°♁23'22		direct	-1023 Jan 19 j 04:34	15°♁10'22	
opposition	-1029 May 26 j 09:21	23°♁29'47	0°31'00		-1023 May 09 j 02:07	0°♁	
min. Earth dist.	-1029 May 27 j 11:09	23°♁21'31	4.18483 AU	evening set	-1023 May 26 j 01:44	3°♁43'18	
direct	-1029 Jul 26 j 11:30	18°♁33'49					
	-1029 Oct 27 j 06:55	0°♁		conjunction	-1023 Jun 08 j 19:11	6°♁47'03	0°-4'-7
evening set	-1029 Nov 28 j 11:51	7°♁13'17		minimum elong	-1023 Jun 08 j 19:12	6°♁47'04	0°04'07
desc. node	-1029 Dec 07 j 09:53	9°♁18'37		behind sun begin	-1023 Jun 08 j 10:59	6°♁42'30	
max. Earth dist.	-1029 Dec 10 j 04:51	9°♁57'59	6.12078 AU	behind sun end	-1023 Jun 09 j 03:24	6°♁51'38	

Planetary Phenomena of Jupiter from -1400 through -900 (UT), Astrodienst AG 14-Nov-2015 16:09, page 34

Attention, astronomical year style is used: The year -1023 in astronomical counting style is the year 1024 BCE in historical counting style.

max. Earth dist.	-1023 Jun 10 j 00:37	7°♄03'30	6.25257 AU	direct	-1017 Jul 31 j 06:35	23°♃24'48	
morning rise	-1023 Jun 22 j 11:30	9°♄50'03			-1017 Oct 07 j 00:42	0°♂	
asc. node	-1023 Jul 17 j 07:12	15°♄11'59		desc. node	-1017 Oct 16 j 21:19	1°♂49'25	
retrograde	-1023 Oct 24 j 07:05	27°♄46'27		evening set	-1017 Dec 03 j 05:40	12°♂08'26	
opposition	-1023 Dec 23 j 00:17	22°♄46'27	0°24'07				
min. Earth dist.	-1023 Dec 22 j 13:28	22°♄50'04	4.31187 AU	conjunction	-1017 Dec 15 j 23:23	15°♂08'18	0°-6'-40
direct	-1022 Feb 21 j 16:04	17°♄43'35		minimum elong	-1017 Dec 15 j 23:23	15°♂08'18	0°06'41
	-1022 Jun 01 j 14:02	0°♄		behind sun begin	-1017 Dec 15 j 15:52	15°♂03'53	
evening set	-1022 Jun 28 j 23:09	5°♄47'18		behind sun end	-1017 Dec 16 j 06:54	15°♂12'43	
				max. Earth dist.	-1017 Dec 15 j 02:02	14°♂55'43	6.10522 AU
conjunction	-1022 Jul 12 j 10:19	8°♄43'51	0°35'48	morning rise	-1017 Dec 28 j 18:37	18°♂09'09	
minimum elong	-1022 Jul 12 j 10:16	8°♄43'50	0°35'49		-1016 Feb 21 j 17:44	0°♂	
max. Earth dist.	-1022 Jul 12 j 11:44	8°♄44'38	6.36267 AU	retrograde	-1016 May 05 j 22:45	7°♂40'19	
morning rise	-1022 Jul 25 j 19:01	11°♄39'03		opposition	-1016 Jul 05 j 15:15	2°♂43'01	0°-42'-36
retrograde	-1022 Nov 24 j 02:19	28°♄50'10		min. Earth dist.	-1016 Jul 05 j 19:21	2°♂41'41	4.05021 AU
opposition	-1021 Jan 23 j 01:54	23°♄54'03	1°15'09		-1016 Jul 27 j 17:49	30°♂	
min. Earth dist.	-1021 Jan 23 j 09:31	23°♄51'33	4.40021 AU	direct	-1016 Sep 03 j 02:46	27°♂49'25	
direct	-1021 Mar 25 j 23:16	18°♄50'40			-1016 Oct 09 j 22:21	0°♂	
	-1021 Jun 29 j 11:07	0°♄		evening set	-1015 Jan 05 j 19:50	17°♂02'45	
evening set	-1021 Jul 31 j 05:11	6°♄36'05					
max. Earth dist.	-1021 Aug 12 j 08:27	9°♄13'59	6.42199 AU	conjunction	-1015 Jan 18 j 19:22	20°♂09'18	0°-47'-32
				minimum elong	-1015 Jan 18 j 19:19	20°♂09'16	0°47'35
conjunction	-1021 Aug 13 j 07:59	9°♄26'46	1°04'15	max. Earth dist.	-1015 Jan 19 j 04:19	20°♂14'41	6.00887 AU
minimum elong	-1021 Aug 13 j 07:57	9°♄26'45	1°04'15	morning rise	-1015 Jan 31 j 21:25	23°♂17'23	
morning rise	-1021 Aug 26 j 07:37	12°♄15'55			-1015 Mar 01 j 21:55	0°♂	
	-1021 Sep 08 j 02:35	15°♄		retrograde	-1015 Jun 12 j 17:27	13°♂37'05	
retrograde	-1021 Dec 24 j 11:14	29°♄07'37		opposition	-1015 Aug 11 j 22:24	8°♂35'48	-1°-34'-19
opposition	-1020 Feb 22 j 20:27	24°♄14'27	1°44'17	min. Earth dist.	-1015 Aug 11 j 06:40	8°♂41'03	3.98505 AU
min. Earth dist.	-1020 Feb 23 j 18:59	24°♄07'10	4.42841 AU	direct	-1015 Oct 09 j 06:33	3°♂42'20	
direct	-1020 Apr 25 j 10:17	19°♄11'46			-1014 Jan 06 j 10:33	15°♂	
	-1020 Jul 28 j 08:34	0°♄		evening set	-1014 Feb 11 j 05:25	23°♂12'35	
evening set	-1020 Aug 30 j 09:02	6°♄52'59					
max. Earth dist.	-1020 Sep 10 j 11:36	9°♄18'29	6.41594 AU	conjunction	-1014 Feb 24 j 12:11	26°♂23'39	-1°-11'-27
				minimum elong	-1014 Feb 24 j 12:10	26°♂23'38	1°11'28
conjunction	-1020 Sep 12 j 04:21	9°♄40'48	1°14'41	max. Earth dist.	-1014 Feb 26 j 00:06	26°♂45'13	5.97985 AU
minimum elong	-1020 Sep 12 j 04:20	9°♄40'48	1°14'41	morning rise	-1014 Mar 09 j 22:22	29°♂36'27	
morning rise	-1020 Sep 24 j 20:48	12°♄27'20			-1014 Mar 11 j 13:57	0°♂	
retrograde	-1019 Jan 23 j 11:54	29°♄27'05		retrograde	-1014 Jul 20 j 03:42	20°♂05'27	
opposition	-1019 Mar 25 j 05:09	24°♄35'24	1°45'10	opposition	-1014 Sep 17 j 23:37	15°♂01'03	-1°-49'-48
min. Earth dist.	-1019 Mar 26 j 14:03	24°♄24'55	4.38941 AU	min. Earth dist.	-1014 Sep 16 j 17:07	15°♂11'23	3.99707 AU
direct	-1019 May 26 j 21:32	19°♄34'34		direct	-1014 Nov 14 j 21:14	10°♂05'37	
	-1019 Aug 26 j 01:43	0°♄		evening set	-1013 Mar 20 j 12:06	29°♂30'57	
evening set	-1019 Sep 30 j 04:33	7°♄25'35			-1013 Mar 22 j 13:37	0°♂	
max. Earth dist.	-1019 Oct 10 j 19:25	9°♄47'28	6.34635 AU				
				conjunction	-1013 Apr 03 j 02:21	2°♂43'01	-1°-7'-48
conjunction	-1019 Oct 12 j 19:33	10°♄14'22	1°04'28	minimum elong	-1013 Apr 03 j 02:23	2°♂43'02	1°07'49
minimum elong	-1019 Oct 12 j 19:35	10°♄14'23	1°04'27	max. Earth dist.	-1013 Apr 05 j 05:09	3°♂12'59	6.03073 AU
morning rise	-1019 Oct 25 j 08:56	13°♄02'29		morning rise	-1013 Apr 16 j 19:09	5°♂56'15	
	-1018 Feb 05 j 04:55	0°♄		retrograde	-1013 Aug 25 j 01:56	25°♂49'12	
retrograde	-1018 Feb 24 j 23:14	0°♄36'16		min. Earth dist.	-1013 Oct 22 j 07:18	20°♂54'52	4.08111 AU
	-1018 Mar 16 j 17:34	30°♂		opposition	-1013 Oct 23 j 15:01	20°♂44'02	-1°-23'-6
opposition	-1018 Apr 26 j 21:41	25°♄44'15	1°16'16	direct	-1013 Dec 21 j 01:11	15°♂45'30	
min. Earth dist.	-1018 Apr 28 j 06:54	25°♄33'40	4.29325 AU		-1012 Apr 04 j 01:05	0°♂	
direct	-1018 Jun 27 j 23:09	20°♄45'57		evening set	-1012 Apr 25 j 08:46	4°♂46'23	
	-1018 Sep 19 j 13:52	0°♄					
evening set	-1018 Oct 31 j 12:45	8°♄59'17		conjunction	-1012 May 09 j 03:18	7°♂55'27	0°-39'-11
max. Earth dist.	-1018 Nov 11 j 11:47	11°♄29'43	6.23175 AU	minimum elong	-1012 May 09 j 03:21	7°♂55'29	0°39'11
				max. Earth dist.	-1012 May 11 j 02:02	8°♂22'14	6.14053 AU
conjunction	-1018 Nov 13 j 03:35	11°♄52'34	0°35'06	morning rise	-1012 May 22 j 22:29	11°♂04'38	
minimum elong	-1018 Nov 13 j 03:37	11°♄52'35	0°35'05		-1012 Jun 09 j 11:33	15°♂	
morning rise	-1018 Nov 25 j 17:57	14°♄45'55		retrograde	-1012 Sep 26 j 18:56	29°♂55'20	
	-1018 Nov 26 j 18:38	15°♄		min. Earth dist.	-1012 Nov 24 j 08:14	25°♂00'16	4.20446 AU
	-1017 Feb 12 j 16:17	0°♂		opposition	-1012 Nov 25 j 07:56	24°♂52'14	0°-28'-32
retrograde	-1017 Mar 31 j 10:34	3°♂14'15		direct	-1011 Jan 23 j 19:37	19°♂50'55	
	-1017 May 18 j 03:39	30°♂			-1011 Apr 21 j 10:28	0°♄	
opposition	-1017 May 31 j 09:07	28°♄20'20	0°22'15	asc. node	-1011 May 28 j 08:07	7°♄46'53	
min. Earth dist.	-1017 Jun 01 j 08:29	28°♄12'51	4.16702 AU	evening set	-1011 May 30 j 19:57	8°♄19'57	

Planetary Phenomena of Jupiter from -1400 through -900 (UT), Astrodienst AG 14-Nov-2015 16:09, page 36

Attention, astronomical year style is used: The year -1000 in astronomical counting style is the year 1001 BCE in historical counting style.

conjunction	-1000 May 14 j 04:46	12°♄50'20	0°-33'49			-995 Jul 07 j 19:59	0°♁		
minimum elong	-1000 May 14 j 04:49	12°♄50'21	0°33'49	evening set		-995 Oct 08 j 19:24	16°♁18'06		
max. Earth dist.	-1000 May 15 j 23:46	13°♄14'53	6.15560 AU	max. Earth dist.		-995 Oct 19 j 10:57	18°♁41'08	6.32512 AU	
	-1000 May 23 j 16:18	15°♄							
morning rise	-1000 May 28 j 00:00	15°♄58'48		conjunction		-995 Oct 21 j 09:54	19°♁07'30	0°57'59	
	-1000 Aug 06 j 07:40	0°♁		minimum elong		-995 Oct 21 j 09:56	19°♁07'31	0°57'59	
retrograde	-1000 Oct 01 j 08:48	4°♁41'23		morning rise		-995 Nov 02 j 23:01	21°♁56'24		
	-1000 Nov 27 j 07:06	30°♁♄				-995 Dec 10 j 19:20	0°♁		
opposition	-1000 Nov 29 j 22:04	29°♄38'42	0°-19'-52	retrograde		-994 Mar 06 j 04:29	9°♁40'56		
min. Earth dist.	-1000 Nov 29 j 00:43	29°♄45'55	4.21971 AU	opposition		-994 May 06 j 05:22	4°♁48'31	1°03'20	
direct	-999 Jan 28 j 14:43	24°♄37'02		min. Earth dist.		-994 May 07 j 12:35	4°♁38'34	4.26727 AU	
	-999 Mar 30 j 19:17	0°♁				-994 Jun 27 j 04:25	30°♁♁		
asc. node	-999 Apr 06 j 18:06	1°♁08'48		direct		-994 Jul 07 j 01:09	29°♁50'56		
evening set	-999 Jun 04 j 16:26	13°♁02'39				-994 Jul 16 j 22:02	0°♁		
						-994 Oct 26 j 09:09	15°♁		
conjunction	-999 Jun 18 j 08:45	16°♁04'40	0°07'40	evening set		-994 Nov 09 j 08:30	18°♁09'34		
minimum elong	-999 Jun 18 j 08:44	16°♁04'40	0°07'40	max. Earth dist.		-994 Nov 20 j 11:23	20°♁43'13	6.20312 AU	
behind sun begin	-999 Jun 18 j 01:16	16°♁00'32							
behind sun end	-999 Jun 18 j 16:13	16°♁08'48		conjunction		-994 Nov 21 j 23:43	21°♁04'12	0°24'23	
max. Earth dist.	-999 Jun 19 j 07:08	16°♁17'06	6.28251 AU	minimum elong		-994 Nov 21 j 23:44	21°♁04'13	0°24'22	
morning rise	-999 Jul 01 j 23:20	19°♁05'40		morning rise		-994 Dec 04 j 14:57	23°♁59'09		
	-999 Aug 24 j 16:49	0°♁				-994 Dec 31 j 13:05	0°♁		
retrograde	-999 Nov 02 j 00:22	6°♁48'46		retrograde		-993 Apr 10 j 05:27	12°♁42'18		
opposition	-999 Dec 31 j 18:41	1°♁49'56	0°39'58	opposition		-993 Jun 10 j 02:51	7°♁47'37	0°04'40	
min. Earth dist.	-999 Dec 31 j 12:33	1°♁51'59	4.33743 AU	min. Earth dist.		-993 Jun 10 j 22:55	7°♁41'09	4.13733 AU	
	-998 Jan 14 j 21:41	30°♁♁		desc. node		-993 Jul 08 j 20:20	4°♁26'22		
direct	-998 Mar 02 j 18:47	26°♁46'54		direct		-993 Aug 09 j 16:40	2°♁52'38		
	-998 Apr 19 j 01:02	0°♁		evening set		-993 Dec 12 j 11:11	21°♁43'25		
evening set	-998 Jul 08 j 03:35	14°♁45'34							
				conjunction		-993 Dec 25 j 06:11	24°♁45'02	0°-18'-33	
conjunction	-998 Jul 21 j 12:31	17°♁40'26	0°45'14	minimum elong		-993 Dec 25 j 06:10	24°♁45'01	0°18'35	
minimum elong	-998 Jul 21 j 12:29	17°♁40'25	0°45'14	max. Earth dist.		-993 Dec 24 j 14:45	24°♁35'53	6.07713 AU	
max. Earth dist.	-998 Jul 21 j 06:49	17°♁37'19	6.38221 AU	morning rise		-992 Jan 07 j 03:03	27°♁47'49		
morning rise	-998 Aug 03 j 18:50	20°♁33'51				-992 Jan 16 j 12:56	0°♁		
	-998 Sep 19 j 07:19	0°♁		retrograde		-992 May 16 j 03:05	17°♁33'54		
retrograde	-998 Dec 02 j 15:18	7°♁37'44		opposition		-992 Jul 15 j 17:03	12°♁35'37	0°-59'-4	
opposition	-997 Jan 31 j 17:20	2°♁42'34	1°25'49	min. Earth dist.		-992 Jul 15 j 16:14	12°♁35'53	4.02640 AU	
min. Earth dist.	-997 Feb 01 j 04:58	2°♁38'47	4.41325 AU	direct		-992 Sep 12 j 19:23	7°♁42'13		
	-997 Feb 22 j 16:59	30°♁♁		evening set		-991 Jan 15 j 13:50	27°♁02'18		
direct	-997 Apr 03 j 20:44	27°♁39'20				-991 Jan 27 j 21:50	0°♁		
	-997 May 14 j 07:33	0°♁							
	-997 Aug 07 j 07:47	15°♁		conjunction		-991 Jan 28 j 15:11	0°♁10'26	0°-56'-20	
evening set	-997 Aug 09 j 01:22	15°♁22'25		minimum elong		-991 Jan 28 j 15:08	0°♁10'25	0°56'21	
max. Earth dist.	-997 Aug 20 j 22:13	17°♁56'52	6.42764 AU	max. Earth dist.		-991 Jan 29 j 06:23	0°♁19'35	5.99132 AU	
				morning rise		-991 Feb 10 j 19:26	3°♁20'15		
conjunction	-997 Aug 22 j 01:57	18°♁11'57	1°09'06			-991 Apr 04 j 09:54	15°♁		
minimum elong	-997 Aug 22 j 01:55	18°♁11'56	1°09'07	retrograde		-991 Jun 23 j 01:00	23°♁48'28		
morning rise	-997 Sep 03 j 23:14	20°♁59'57		min. Earth dist.		-991 Aug 21 j 07:02	18°♁52'51	3.97601 AU	
	-997 Oct 18 j 07:09	0°♁		opposition		-991 Aug 22 j 02:44	18°♁46'15	-1°-42'-46	
retrograde	-996 Jan 02 j 01:03	7°♁50'44				-991 Sep 23 j 08:58	15°♁		
opposition	-996 Mar 02 j 13:37	2°♁58'07	1°47'23	direct		-991 Oct 19 j 06:08	13°♁52'24		
min. Earth dist.	-996 Mar 03 j 14:43	2°♁50'04	4.42682 AU			-991 Nov 14 j 00:19	15°♁		
	-996 Mar 27 j 08:36	30°♁♁		evening set		-990 Feb 06 j 20:12	0°♁		
direct	-996 May 04 j 05:53	27°♁55'56				-990 Feb 21 j 09:21	3°♁25'47		
	-996 Jun 11 j 07:41	0°♁							
evening set	-996 Sep 08 j 00:23	15°♁37'20		conjunction		-990 Mar 06 j 18:29	6°♁37'53	-1°-13'-16	
max. Earth dist.	-996 Sep 18 j 22:50	18°♁01'05	6.40710 AU	minimum elong		-990 Mar 06 j 18:28	6°♁37'53	1°13'17	
				max. Earth dist.		-990 Mar 08 j 12:19	7°♁02'57	5.98004 AU	
conjunction	-996 Sep 20 j 18:01	18°♁24'50	1°13'50	morning rise		-990 Mar 20 j 06:45	9°♁51'36		
minimum elong	-996 Sep 20 j 18:01	18°♁24'50	1°13'49			-990 Jul 16 j 21:15	0°♁		
morning rise	-996 Oct 03 j 09:09	21°♁11'11		retrograde		-990 Jul 30 j 07:32	0°♁17'45		
	-996 Nov 15 j 04:04	0°♁				-990 Aug 12 j 15:10	30°♁♁		
retrograde	-995 Feb 01 j 08:28	8°♁16'08		opposition		-990 Sep 27 j 23:24	25°♁12'55	-1°-46'-18	
opposition	-995 Apr 03 j 04:10	3°♁24'30	1°39'52	min. Earth dist.		-990 Sep 26 j 15:47	25°♁23'41	4.00664 AU	
min. Earth dist.	-995 Apr 04 j 14:07	3°♁13'42	4.37378 AU	direct		-990 Nov 24 j 21:18	20°♁16'43		
	-995 May 02 j 17:18	30°♁♁				-989 Feb 15 j 04:05	0°♁		
direct	-995 Jun 04 j 19:38	28°♁24'19		evening set		-989 Mar 30 j 19:09	9°♁39'56		

Planetary Phenomena of Jupiter from -1400 through -900 (UT), Astrodienst AG 14-Nov-2015 16:09, page 37

Attention, astronomical year style is used: The year -989 in astronomical counting style is the year 990 BCE in historical counting style.

conjunction	-989 Apr 13 j 11:07	12°Υ52'00	-1°-1'-52	morning rise	-984 Oct 07 j 14:59	25°η33'48	
minimum elong	-989 Apr 13 j 11:10	12°Υ52'02	1°01'53		-984 Oct 28 j 06:43	0°♁	
max. Earth dist.	-989 Apr 15 j 14:03	13°Υ21'52	6.04874 AU	retrograde	-983 Feb 05 j 18:32	12°♁42'28	
morning rise	-989 Apr 27 j 05:25	16°Υ05'01		opposition	-983 Apr 07 j 16:24	7°♁50'47	1°36'24
	-989 Jul 03 j 05:14	0°♄		min. Earth dist.	-983 Apr 09 j 01:53	7°♁40'08	4.36239 AU
retrograde	-989 Sep 03 j 16:40	5°♄45'21		direct	-983 Jun 09 j 05:11	2°♁50'54	
min. Earth dist.	-989 Oct 31 j 22:12	0°♄51'03	4.10541 AU	evening set	-983 Oct 13 j 03:38	20°♁47'17	
opposition	-989 Nov 02 j 05:10	0°♄40'29	-1°-9'-43	max. Earth dist.	-983 Oct 23 j 19:46	23°♁11'10	6.31015 AU
	-989 Nov 07 j 04:08	30°♁Υ					
direct	-989 Dec 30 j 19:51	25°Υ41'06		conjunction	-983 Oct 25 j 17:57	23°♁37'12	0°54'12
	-988 Feb 21 j 23:27	0°♄		minimum elong	-983 Oct 25 j 17:59	23°♁37'14	0°54'12
evening set	-988 May 05 j 11:03	14°♄36'06		morning rise	-983 Nov 07 j 07:05	26°♁26'45	
	-988 May 07 j 05:17	15°♄			-983 Nov 23 j 08:46	0°♁	
				retrograde	-982 Mar 10 j 23:43	14°♁18'25	
conjunction	-988 May 19 j 05:56	17°♄44'04	0°-28'-15	opposition	-982 May 10 j 23:24	9°♁25'48	0°56'10
minimum elong	-988 May 19 j 05:58	17°♄44'05	0°28'15	min. Earth dist.	-982 May 12 j 06:48	9°♁15'47	4.24944 AU
max. Earth dist.	-988 May 21 j 00:38	18°♄08'22	6.16934 AU	direct	-982 Jul 11 j 16:33	4°♁28'32	
morning rise	-988 Jun 02 j 00:48	20°♄51'48			-982 Oct 09 j 01:17	15°♁	
	-988 Jul 14 j 19:52	0°♁		evening set	-982 Nov 13 j 20:51	22°♁51'33	
retrograde	-988 Oct 05 j 22:56	9°♁26'38		max. Earth dist.	-982 Nov 25 j 01:08	25°♁26'40	6.18398 AU
opposition	-988 Dec 04 j 11:56	4°♁24'25	0°-11'-7				
min. Earth dist.	-988 Dec 03 j 15:48	4°♁31'12	4.23471 AU	conjunction	-982 Nov 26 j 12:25	25°♁47'08	0°18'39
	-987 Jan 13 j 17:53	30°♁♄		minimum elong	-982 Nov 26 j 12:26	25°♁47'09	0°18'39
direct	-987 Feb 02 j 08:34	29°♄22'31		morning rise	-982 Dec 09 j 04:23	28°♁43'11	
asc. node	-987 Feb 14 j 01:46	29°♄35'46			-982 Dec 14 j 18:04	0°♄	
	-987 Feb 22 j 04:18	0°♁		retrograde	-981 Apr 15 j 06:04	17°♄35'39	
evening set	-987 Jun 09 j 12:26	17°♁44'30		desc. node	-981 May 18 j 16:01	15°♄54'28	
				opposition	-981 Jun 15 j 03:23	12°♄40'29	0°-4'-28
conjunction	-987 Jun 23 j 03:49	20°♁45'33	0°13'29	min. Earth dist.	-981 Jun 15 j 20:09	12°♄35'04	4.11841 AU
minimum elong	-987 Jun 23 j 03:48	20°♁45'32	0°13'30	direct	-981 Aug 14 j 10:54	7°♄45'47	
behind sun begin	-987 Jun 22 j 23:23	20°♁43'06		evening set	-981 Dec 17 j 06:14	26°♄41'40	
behind sun end	-987 Jun 23 j 08:13	20°♁47'58					
max. Earth dist.	-987 Jun 23 j 22:02	20°♁55'37	6.29741 AU	conjunction	-981 Dec 30 j 02:03	29°♄44'21	0°-24'-33
morning rise	-987 Jul 06 j 17:35	23°♁45'31		minimum elong	-981 Dec 30 j 02:01	29°♄44'20	0°24'35
	-987 Aug 05 j 01:09	0°♄		max. Earth dist.	-981 Dec 29 j 15:12	29°♄37'54	6.06018 AU
retrograde	-987 Nov 06 j 09:12	11°♄21'53			-981 Dec 31 j 04:21	0°♄	
opposition	-986 Jan 05 j 04:36	6°♄23'30	0°47'37	morning rise	-980 Jan 11 j 23:47	2°♄48'16	
min. Earth dist.	-986 Jan 05 j 00:51	6°♄24'45	4.35095 AU	retrograde	-980 May 21 j 11:14	22°♄42'52	
direct	-986 Mar 07 j 09:38	1°♄20'16		opposition	-980 Jul 20 j 22:43	17°♄44'01	-1°-7'-2
evening set	-986 Jul 12 j 17:40	19°♄15'47		min. Earth dist.	-980 Jul 20 j 19:50	17°♄44'58	4.01319 AU
				direct	-980 Sep 17 j 21:43	12°♄50'42	
conjunction	-986 Jul 26 j 01:33	22°♄09'44	0°49'36		-979 Jan 11 j 05:52	0°♁	
minimum elong	-986 Jul 26 j 01:31	22°♄09'42	0°49'37	evening set	-979 Jan 20 j 16:15	2°♁14'34	
max. Earth dist.	-986 Jul 25 j 18:06	22°♄05'40	6.39303 AU				
morning rise	-986 Aug 08 j 06:22	25°♄02'07		conjunction	-979 Feb 02 j 18:40	5°♁23'33	-1°00'-17
	-986 Aug 31 j 17:46	0°♁		minimum elong	-979 Feb 02 j 18:37	5°♁23'31	1°00'18
retrograde	-986 Dec 06 j 20:51	12°♁02'04		max. Earth dist.	-979 Feb 03 j 14:22	5°♁35'25	5.98316 AU
opposition	-985 Feb 05 j 01:12	7°♁07'18	1°30'28	morning rise	-979 Feb 16 j 00:07	8°♁34'14	
min. Earth dist.	-985 Feb 05 j 14:15	7°♁03'04	4.42052 AU		-979 Mar 15 j 16:00	15°♁	
direct	-985 Apr 08 j 06:59	2°♁04'09		retrograde	-979 Jun 28 j 09:21	29°♁05'39	
	-985 Jul 21 j 21:05	15°♁		min. Earth dist.	-979 Aug 26 j 10:24	24°♁10'36	3.97446 AU
evening set	-985 Aug 13 j 10:50	19°♁45'32		opposition	-979 Aug 27 j 09:05	24°♁02'59	-1°-45'-56
max. Earth dist.	-985 Aug 25 j 02:33	22°♁17'18	6.43035 AU	direct	-979 Oct 24 j 09:28	19°♁08'58	
					-978 Jan 19 j 10:41	0°♄	
conjunction	-985 Aug 26 j 10:06	22°♁34'28	1°10'59	evening set	-978 Feb 26 j 16:12	8°♄42'36	
minimum elong	-985 Aug 26 j 10:04	22°♁34'27	1°10'59				
morning rise	-985 Sep 08 j 06:27	25°♁21'57		conjunction	-978 Mar 12 j 02:19	11°♄54'56	-1°-13'-22
	-985 Sep 30 j 03:46	0°♁		minimum elong	-978 Mar 12 j 02:19	11°♄54'57	1°13'22
retrograde	-984 Jan 06 j 09:30	12°♁12'33		max. Earth dist.	-978 Mar 13 j 22:07	12°♄21'08	5.98516 AU
opposition	-984 Mar 06 j 22:33	7°♁20'09	1°48'06	morning rise	-978 Mar 25 j 15:43	15°♄08'52	
min. Earth dist.	-984 Mar 08 j 02:14	7°♁11'17	4.42474 AU		-978 Jun 04 j 09:39	0°Υ	
direct	-984 May 08 j 17:01	2°♁18'08		retrograde	-978 Aug 04 j 09:44	5°Υ30'42	
evening set	-984 Sep 12 j 07:25	19°♁59'54		min. Earth dist.	-978 Oct 01 j 17:00	0°Υ36'46	4.01802 AU
max. Earth dist.	-984 Sep 23 j 04:16	22°♁23'03	6.40015 AU	opposition	-978 Oct 03 j 01:43	0°Υ25'36	-1°-43'-15
					-978 Oct 06 j 04:55	30°♁♄	
conjunction	-984 Sep 25 j 00:29	22°♁47'24	1°12'49	direct	-978 Nov 30 j 01:00	25°♄28'58	
minimum elong	-984 Sep 25 j 00:30	22°♁47'25	1°12'49		-977 Jan 22 j 16:46	0°Υ	

Planetary Phenomena of Jupiter from -1400 through -900 (UT), Astrodienst AG 14-Nov-2015 16:09, page 38

Attention, astronomical year style is used: The year -977 in astronomical counting style is the year 978 BCE in historical counting style.

evening set	-977 Apr 05 j 00:44	14° Υ 48'21		retrograde	-971 Feb 10 j 08:02	17° Ω 07'27	
				opposition	-971 Apr 12 j 04:41	12° Ω 15'48	1°32'26
conjunction	-977 Apr 18 j 17:32	18° Υ 00'00	0°-58'-11	min. Earth dist.	-971 Apr 13 j 15:32	12° Ω 04'43	4.34531 AU
minimum elong	-977 Apr 18 j 17:36	18° Υ 00'02	0°58'11	direct	-971 Jun 13 j 15:54	7° Ω 16'15	
max. Earth dist.	-977 Apr 20 j 22:19	18° Υ 30'48	6.06552 AU	evening set	-971 Oct 17 j 11:49	25° Ω 17'12	
morning rise	-977 May 02 j 12:05	21° Υ 12'21		max. Earth dist.	-971 Oct 28 j 04:45	27° Ω 42'11	6.28973 AU
	-977 Jun 11 j 09:34	0° Υ					
retrograde	-977 Sep 08 j 12:36	10° Υ 43'01		conjunction	-971 Oct 30 j 02:18	28° Ω 07'59	0°50'07
min. Earth dist.	-977 Nov 05 j 18:25	5° Υ 48'33	4.12557 AU	minimum elong	-971 Oct 30 j 02:21	28° Ω 08'00	0°50'05
opposition	-977 Nov 07 j 00:20	5° Υ 38'21	-1°-2'-16		-971 Nov 07 j 08:05	0° Υ	
direct	-976 Jan 04 j 19:16	0° Υ 38'35		morning rise	-971 Nov 11 j 15:40	0° Υ 58'28	
	-976 Apr 20 j 07:55	15° Υ			-970 Jan 22 j 11:58	15° Υ	
evening set	-976 May 10 j 11:17	19° Υ 27'35		retrograde	-970 Mar 15 j 19:03	18° Υ 59'25	
					-970 May 08 j 18:36	15° Υ	
conjunction	-976 May 24 j 05:50	22° Υ 34'29	0°-22'-34	opposition	-970 May 15 j 19:01	14° Υ 06'33	0°48'35
minimum elong	-976 May 24 j 05:51	22° Υ 34'30	0°22'35	min. Earth dist.	-970 May 17 j 00:03	13° Υ 57'17	4.22707 AU
max. Earth dist.	-976 May 25 j 21:17	22° Υ 56'49	6.19107 AU	direct	-970 Jul 16 j 05:58	9° Υ 09'46	
morning rise	-976 Jun 07 j 00:23	25° Υ 41'04			-970 Sep 18 j 08:05	15° Υ	
	-976 Jun 26 j 14:03	0° Υ		evening set	-970 Nov 18 j 11:15	27° Υ 38'47	
retrograde	-976 Oct 10 j 08:47	14° Υ 05'35			-970 Nov 28 j 14:23	0° Υ	
opposition	-976 Dec 08 j 23:36	9° Υ 03'48	0°-2'-32	max. Earth dist.	-970 Nov 29 j 19:21	0° Υ 16'54	6.16172 AU
min. Earth dist.	-976 Dec 08 j 05:17	9° Υ 09'59	4.25594 AU				
asc. node	-976 Dec 25 j 09:30	6° Υ 55'41		conjunction	-970 Dec 01 j 03:17	0° Υ 35'31	0°12'45
direct	-975 Feb 07 j 01:06	4° Υ 01'35		minimum elong	-970 Dec 01 j 03:18	0° Υ 35'31	0°12'44
evening set	-975 Jun 14 j 05:11	22° Υ 18'05		behind sun begin	-970 Nov 30 j 22:09	0° Υ 32'32	
				behind sun end	-970 Dec 01 j 08:26	0° Υ 38'31	
conjunction	-975 Jun 27 j 19:44	25° Υ 17'56	0°19'03	morning rise	-970 Dec 13 j 19:57	3° Υ 32'49	
minimum elong	-975 Jun 27 j 19:43	25° Υ 17'56	0°19'04	desc. node	-969 Mar 28 j 02:39	21° Υ 45'01	
max. Earth dist.	-975 Jun 28 j 10:46	25° Υ 26'14	6.31654 AU	retrograde	-969 Apr 20 j 11:42	22° Υ 35'52	
morning rise	-975 Jul 11 j 08:14	28° Υ 16'36		opposition	-969 Jun 20 j 06:44	17° Υ 40'16	0°-13'-46
	-975 Jul 19 j 06:12	0° Υ		min. Earth dist.	-969 Jun 20 j 21:19	17° Υ 35'33	4.09802 AU
retrograde	-975 Nov 10 j 15:17	15° Υ 45'28		direct	-969 Aug 19 j 09:55	12° Υ 45'55	
opposition	-974 Jan 09 j 11:24	10° Υ 47'40	0°54'42		-969 Dec 14 j 14:11	0° Υ	
min. Earth dist.	-974 Jan 09 j 10:25	10° Υ 47'59	4.36645 AU	evening set	-969 Dec 22 j 04:25	1° Υ 47'22	
direct	-974 Mar 11 j 20:51	5° Υ 44'23					
evening set	-974 Jul 17 j 03:50	23° Υ 36'20		conjunction	-968 Jan 04 j 01:07	4° Υ 51'10	0°-30'-28
				minimum elong	-968 Jan 04 j 01:05	4° Υ 51'08	0°30'30
conjunction	-974 Jul 30 j 10:24	26° Υ 29'20	0°53'33	max. Earth dist.	-968 Jan 03 j 19:01	4° Υ 47'31	6.04367 AU
minimum elong	-974 Jul 30 j 10:21	26° Υ 29'19	0°53'34	morning rise	-968 Jan 16 j 23:55	7° Υ 56'17	
max. Earth dist.	-974 Jul 29 j 21:42	26° Υ 22'26	6.40347 AU	retrograde	-968 May 26 j 20:28	27° Υ 58'40	
morning rise	-974 Aug 12 j 14:06	29° Υ 20'50		opposition	-968 Jul 26 j 06:37	22° Υ 59'17	-1°-14'-35
	-974 Aug 15 j 14:41	0° Υ		min. Earth dist.	-968 Jul 25 j 23:40	23° Υ 01'34	4.00258 AU
	-974 Nov 12 j 05:23	15° Υ		direct	-968 Sep 23 j 00:46	18° Υ 06'03	
retrograde	-974 Dec 11 j 01:07	16° Υ 17'38			-968 Dec 24 j 05:26	0° Υ	
	-973 Jan 08 j 19:59	15° Υ		evening set	-967 Jan 25 j 21:08	7° Υ 32'34	
opposition	-973 Feb 09 j 06:24	11° Υ 23'16	1°34'29				
min. Earth dist.	-973 Feb 09 j 22:26	11° Υ 18'04	4.42547 AU	conjunction	-967 Feb 08 j 00:29	10° Υ 42'10	-1°-3'-47
direct	-973 Apr 12 j 14:56	6° Υ 20'09		minimum elong	-967 Feb 08 j 00:27	10° Υ 42'09	1°03'49
	-973 Jul 04 j 06:34	15° Υ		max. Earth dist.	-967 Feb 09 j 00:03	10° Υ 56'22	5.97912 AU
evening set	-973 Aug 17 j 16:58	24° Υ 00'50		morning rise	-967 Feb 21 j 07:08	13° Υ 53'32	
max. Earth dist.	-973 Aug 29 j 06:04	26° Υ 31'15	6.42929 AU		-967 Feb 25 j 22:46	15° Υ	
					-967 May 10 j 07:11	0° Υ	
conjunction	-973 Aug 30 j 15:22	26° Υ 49'24	1°12'26	retrograde	-967 Jul 03 j 16:46	4° Υ 26'04	
minimum elong	-973 Aug 30 j 15:21	26° Υ 49'24	1°12'25		-967 Aug 28 j 01:48	30° Υ	
morning rise	-973 Sep 12 j 10:35	29° Υ 36'31		opposition	-967 Sep 01 j 16:14	29° Υ 22'50	-1°-48'-13
	-973 Sep 14 j 06:01	0° Υ		min. Earth dist.	-967 Aug 31 j 14:58	29° Υ 31'21	3.97746 AU
retrograde	-972 Jan 10 j 14:31	16° Υ 28'30		direct	-967 Oct 29 j 15:35	24° Υ 28'30	
opposition	-972 Mar 11 j 05:24	11° Υ 36'22	1°48'15		-967 Dec 28 j 02:26	0° Υ	
min. Earth dist.	-972 Mar 12 j 10:11	11° Υ 27'10	4.41788 AU	evening set	-966 Mar 03 j 23:29	14° Υ 00'36	
direct	-972 May 12 j 23:01	6° Υ 34'37					
evening set	-972 Sep 16 j 13:03	24° Υ 18'32		conjunction	-966 Mar 17 j 10:46	17° Υ 12'59	-1°-12'-51
max. Earth dist.	-972 Sep 27 j 06:44	26° Υ 40'27	6.38786 AU	minimum elong	-966 Mar 17 j 10:47	17° Υ 12'59	1°12'52
				max. Earth dist.	-966 Mar 19 j 10:37	17° Υ 41'30	5.99466 AU
conjunction	-972 Sep 29 j 05:26	27° Υ 06'16	1°11'25	morning rise	-966 Mar 31 j 00:55	20° Υ 26'48	
minimum elong	-972 Sep 29 j 05:27	27° Υ 06'16	1°11'25		-966 May 12 j 15:51	0° Υ	
morning rise	-972 Oct 11 j 19:41	29° Υ 53'02		retrograde	-966 Aug 09 j 12:28	10° Υ 42'19	
	-972 Oct 12 j 08:22	0° Υ		min. Earth dist.	-966 Oct 06 j 18:29	5° Υ 48'13	4.03281 AU

Planetary Phenomena of Jupiter from -1400 through -900 (UT), Astrodienst AG 14-Nov-2015 16:09, page 39

Attention, astronomical year style is used: The year -966 in astronomical counting style is the year 967 BCE in historical counting style.

opposition	-966 Oct 08 j 03:02	5°Υ37'07	-1°-39'-23	conjunction	-960 Oct 03 j 12:31	1°♁30'37	1°09'35
direct	-966 Dec 05 j 04:53	0°Υ40'03		minimum elong	-960 Oct 03 j 12:32	1°♁30'38	1°09'35
evening set	-965 Apr 10 j 05:45	19°Υ54'43		morning rise	-960 Oct 16 j 02:16	4°♁17'44	
				retrograde	-959 Feb 14 j 21:25	21°♁37'54	
conjunction	-965 Apr 23 j 22:57	23°Υ05'43	0°-54'-5	opposition	-959 Apr 16 j 19:18	16°♁46'12	1°27'49
minimum elong	-965 Apr 23 j 23:00	23°Υ05'45	0°54'05	min. Earth dist.	-959 Apr 18 j 05:25	16°♁35'21	4.32929 AU
max. Earth dist.	-965 Apr 26 j 02:15	23°Υ35'31	6.08402 AU	direct	-959 Jun 18 j 02:52	11°♁47'05	
morning rise	-965 May 07 j 17:56	26°Υ17'22		evening set	-959 Oct 21 j 22:16	29°♁51'59	
	-965 May 24 j 02:08	0°♁			-959 Oct 22 j 12:28	0°♁	
	-965 Aug 24 j 13:44	15°♁		max. Earth dist.	-959 Nov 01 j 15:54	2°♁18'03	6.27166 AU
retrograde	-965 Sep 13 j 04:49	15°♁37'57					
	-965 Oct 02 j 17:03	15°♁		conjunction	-959 Nov 03 j 12:38	2°♁43'30	0°45'38
opposition	-965 Nov 11 j 17:47	10°♁33'34	0°-54'-27	minimum elong	-959 Nov 03 j 12:40	2°♁43'31	0°45'37
min. Earth dist.	-965 Nov 10 j 12:30	10°♁43'33	4.14582 AU	morning rise	-959 Nov 16 j 02:22	5°♁34'53	
direct	-964 Jan 09 j 16:24	5°♁33'22			-959 Dec 30 j 08:25	15°♁	
	-964 Apr 01 j 18:43	15°♁		retrograde	-958 Mar 20 j 17:59	23°♁44'12	
evening set	-964 May 15 j 10:18	24°♁16'52		opposition	-958 May 20 j 16:28	18°♁51'03	0°40'33
				min. Earth dist.	-958 May 21 j 20:18	18°♁42'08	4.20821 AU
conjunction	-964 May 29 j 04:37	27°♁22'46	0°-16'-46		-958 Jun 24 j 08:01	15°♁	
minimum elong	-964 May 29 j 04:39	27°♁22'46	0°16'46	direct	-958 Jul 21 j 00:05	13°♁54'38	
max. Earth dist.	-964 May 30 j 16:51	27°♁43'12	6.21159 AU		-958 Aug 16 j 12:46	15°♁	
	-964 Jun 09 j 20:07	0°♁			-958 Nov 12 j 08:51	0°♁	
morning rise	-964 Jun 11 j 22:31	0°♁28'12		evening set	-958 Nov 23 j 02:44	2°♁28'16	
retrograde	-964 Oct 14 j 20:29	18°♁43'20					
asc. node	-964 Nov 04 j 09:24	18°♁01'30		conjunction	-958 Dec 05 j 19:22	5°♁26'00	0°06'42
opposition	-964 Dec 13 j 10:46	13°♁42'07	0°06'01	minimum elong	-958 Dec 05 j 19:23	5°♁26'00	0°06'41
min. Earth dist.	-964 Dec 12 j 19:32	13°♁47'14	4.27484 AU	behind sun begin	-958 Dec 05 j 11:53	5°♁21'38	
direct	-963 Feb 11 j 17:36	8°♁39'39		behind sun end	-958 Dec 06 j 02:53	5°♁30'22	
evening set	-963 Jun 18 j 21:30	26°♁51'37		max. Earth dist.	-958 Dec 04 j 15:22	5°♁09'37	6.14402 AU
				morning rise	-958 Dec 18 j 12:42	8°♁24'22	
conjunction	-963 Jul 02 j 11:05	29°♁50'25	0°24'32	desc. node	-957 Feb 04 j 16:08	18°♁52'02	
minimum elong	-963 Jul 02 j 11:03	29°♁50'24	0°24'32	retrograde	-957 Apr 25 j 15:13	27°♁36'01	
max. Earth dist.	-963 Jul 02 j 21:51	29°♁56'20	6.33235 AU	opposition	-957 Jun 25 j 10:04	22°♁39'57	0°-23'00
	-963 Jul 03 j 04:30	0°♁		min. Earth dist.	-957 Jun 25 j 21:07	22°♁36'23	4.08324 AU
morning rise	-963 Jul 15 j 22:28	2°♁47'57		direct	-957 Aug 24 j 07:46	17°♁45'56	
retrograde	-963 Nov 14 j 20:35	20°♁10'40			-957 Nov 27 j 06:27	0°♁	
opposition	-962 Jan 13 j 18:37	15°♁13'21	1°01'32	evening set	-957 Dec 27 j 02:12	6°♁50'52	
min. Earth dist.	-962 Jan 13 j 19:51	15°♁12'57	4.37839 AU				
direct	-962 Mar 16 j 07:14	10°♁09'58		conjunction	-956 Jan 08 j 23:34	9°♁55'26	0°-36'-6
evening set	-962 Jul 21 j 14:49	27°♁59'35		minimum elong	-956 Jan 08 j 23:31	9°♁55'25	0°36'07
	-962 Jul 30 j 21:03	0°♁		max. Earth dist.	-956 Jan 08 j 21:24	9°♁54'09	6.03306 AU
				morning rise	-956 Jan 21 j 23:23	13°♁01'27	
conjunction	-962 Aug 03 j 20:15	0°♁51'48	0°57'14		-956 Apr 16 j 11:27	0°♁	
minimum elong	-962 Aug 03 j 20:12	0°♁51'47	0°57'15	retrograde	-956 Jun 01 j 03:16	3°♁09'16	
max. Earth dist.	-962 Aug 03 j 04:34	0°♁43'16	6.41066 AU		-956 Jul 17 j 05:24	30°♁	
morning rise	-962 Aug 16 j 22:35	3°♁42'28		opposition	-956 Jul 31 j 12:20	28°♁09'15	-1°-21'-24
	-962 Oct 13 j 12:54	15°♁		min. Earth dist.	-956 Jul 31 j 02:09	28°♁12'37	3.99737 AU
retrograde	-962 Dec 15 j 06:50	20°♁37'06		direct	-956 Sep 28 j 03:37	23°♁15'58	
opposition	-961 Feb 13 j 13:02	15°♁43'10	1°38'04		-956 Dec 03 j 16:27	0°♁	
min. Earth dist.	-961 Feb 14 j 07:28	15°♁37'12	4.42767 AU	evening set	-955 Jan 30 j 23:41	12°♁43'20	
	-961 Feb 19 j 02:47	15°♁			-955 Feb 09 j 11:28	15°♁	
direct	-961 Apr 16 j 23:40	10°♁40'10		conjunction	-955 Feb 13 j 04:11	15°♁53'22	-1°-6'-41
	-961 Jun 12 j 05:45	15°♁		minimum elong	-955 Feb 13 j 04:09	15°♁53'21	1°06'42
evening set	-961 Aug 22 j 00:48	28°♁20'47		max. Earth dist.	-955 Feb 14 j 09:12	16°♁10'50	5.97970 AU
	-961 Aug 29 j 15:29	0°♁		morning rise	-955 Feb 26 j 11:42	19°♁05'06	
max. Earth dist.	-961 Sep 02 j 08:48	0°♁48'42	6.42608 AU		-955 Apr 16 j 07:32	0°♁	
				retrograde	-955 Jul 08 j 21:41	9°♁36'39	
conjunction	-961 Sep 03 j 22:08	1°♁09'04	1°13'31	opposition	-955 Sep 06 j 19:18	4°♁33'02	-1°-49'-31
minimum elong	-961 Sep 03 j 22:07	1°♁09'04	1°13'31	min. Earth dist.	-955 Sep 05 j 16:58	4°♁41'56	3.98396 AU
morning rise	-961 Sep 16 j 16:36	3°♁55'59			-955 Oct 20 j 07:46	30°♁	
retrograde	-960 Jan 15 j 00:02	20°♁49'59		direct	-955 Nov 03 j 18:05	29°♁38'25	
opposition	-960 Mar 15 j 14:52	15°♁58'00	1°47'50		-955 Nov 18 j 04:49	0°♁	
min. Earth dist.	-960 Mar 16 j 21:24	15°♁48'13	4.40968 AU	evening set	-954 Mar 09 j 03:20	19°♁08'06	
direct	-960 May 17 j 08:29	10°♁56'26					
evening set	-960 Sep 20 j 20:26	28°♁42'34		conjunction	-954 Mar 22 j 15:24	22°♁20'21	-1°-11'-47
	-960 Sep 26 j 16:55	0°♁		minimum elong	-954 Mar 22 j 15:25	22°♁20'22	1°11'48
max. Earth dist.	-960 Oct 01 j 14:18	1°♁04'59	6.37531 AU				

Planetary Phenomena of Jupiter from -1400 through -900 (UT), Astrodienst AG 14-Nov-2015 16:09, page 40

Attention, astronomical year style is used: The year -954 in astronomical counting style is the year 955 BCE in historical counting style.

max. Earth dist.	-954 Mar 24 j 15:37	22°♃48'59	6.00609 AU	min. Earth dist.	-948 Mar 21 j 08:28	20°♃11'45	4.40094 AU
morning rise	-954 Apr 05 j 06:33	25°♃34'01		direct	-948 May 21 j 18:13	15°♃20'35	
	-954 Apr 24 j 10:11	0°♃			-948 Sep 10 j 17:02	0°♃	
retrograde	-954 Aug 14 j 08:47	15°♃42'37		evening set	-948 Sep 25 j 04:20	3°♃08'47	
opposition	-954 Oct 12 j 23:47	10°♃37'24	-1°-34'-54	max. Earth dist.	-948 Oct 05 j 20:17	5°♃30'39	6.36344 AU
min. Earth dist.	-954 Oct 11 j 14:32	10°♃48'45	4.04792 AU				
direct	-954 Dec 10 j 03:11	5°♃39'54		conjunction	-948 Oct 07 j 19:50	5°♃57'06	1°07'20
evening set	-953 Apr 15 j 06:29	24°♃50'09		minimum elong	-948 Oct 07 j 19:52	5°♃57'07	1°07'18
				morning rise	-948 Oct 20 j 09:30	8°♃44'38	
conjunction	-953 Apr 29 j 00:12	28°♃00'36	0°-49'-44	retrograde	-947 Feb 19 j 12:38	26°♃10'15	
minimum elong	-953 Apr 29 j 00:15	28°♃00'37	0°49'44	opposition	-947 Apr 21 j 10:36	21°♃18'24	1°22'38
max. Earth dist.	-953 May 01 j 01:43	28°♃29'15	6.10153 AU	min. Earth dist.	-947 Apr 22 j 20:19	21°♃07'40	4.31488 AU
	-953 May 07 j 14:51	0°♃		direct	-947 Jun 22 j 15:57	16°♃19'35	
morning rise	-953 May 12 j 19:18	1°♃11'31			-947 Oct 06 j 05:15	0°♃	
	-953 Jul 19 j 10:30	15°♃		evening set	-947 Oct 26 j 08:12	4°♃27'35	
retrograde	-953 Sep 17 j 19:58	20°♃23'02		max. Earth dist.	-947 Nov 06 j 05:00	6°♃55'55	6.25593 AU
min. Earth dist.	-953 Nov 15 j 05:11	15°♃28'05	4.16371 AU				
opposition	-953 Nov 16 j 07:47	15°♃19'02	0°-46'-34	conjunction	-947 Nov 07 j 22:50	7°♃19'48	0°40'51
	-953 Nov 18 j 15:47	15°♃		minimum elong	-947 Nov 07 j 22:53	7°♃19'49	0°40'51
direct	-952 Jan 14 j 11:14	10°♃18'29		morning rise	-947 Nov 20 j 12:43	10°♃11'56	
	-952 Mar 10 j 14:48	15°♃			-947 Dec 12 j 02:46	15°♃	
evening set	-952 May 20 j 05:57	28°♃57'35		retrograde	-946 Mar 25 j 14:03	28°♃28'44	
	-952 May 24 j 21:30	0°♃		opposition	-946 May 25 j 13:27	23°♃35'14	0°32'14
				min. Earth dist.	-946 May 26 j 15:16	23°♃26'59	4.19201 AU
conjunction	-952 Jun 03 j 00:00	2°♃02'39	0°-11'-2	direct	-946 Jul 25 j 16:50	18°♃39'13	
minimum elong	-952 Jun 03 j 00:01	2°♃02'40	0°11'02		-946 Oct 26 j 04:59	0°♃	
behind sun begin	-952 Jun 02 j 17:52	1°♃59'13		evening set	-946 Nov 27 j 17:29	7°♃16'27	
behind sun end	-952 Jun 03 j 06:10	2°♃06'06		max. Earth dist.	-946 Dec 09 j 08:32	9°♃59'47	6.12861 AU
max. Earth dist.	-952 Jun 04 j 09:23	2°♃21'24	6.22855 AU				
morning rise	-952 Jun 16 j 17:19	5°♃07'06		conjunction	-946 Dec 10 j 10:26	10°♃14'59	0°00'36
asc. node	-952 Sep 15 j 12:39	21°♃27'32		minimum elong	-946 Dec 10 j 10:26	10°♃14'59	0°00'35
retrograde	-952 Oct 19 j 03:32	23°♃14'31		behind sun begin	-946 Dec 10 j 02:25	10°♃10'18	
opposition	-952 Dec 17 j 19:22	18°♃13'52	0°14'18	behind sun end	-946 Dec 10 j 18:26	10°♃19'40	
min. Earth dist.	-952 Dec 17 j 05:41	18°♃18'28	4.28959 AU	desc. node	-946 Dec 15 j 17:38	11°♃29'39	
direct	-951 Feb 16 j 05:08	13°♃11'16		morning rise	-946 Dec 23 j 04:35	13°♃14'21	
	-951 Jun 17 j 07:54	0°♃			-945 Mar 20 j 12:53	0°♃	
evening set	-951 Jun 23 j 11:55	1°♃20'22		retrograde	-945 Apr 30 j 17:47	2°♃33'53	
					-945 Jun 11 j 08:33	30°♃	
conjunction	-951 Jul 07 j 00:30	4°♃18'17	0°29'44	opposition	-945 Jun 30 j 11:53	27°♃37'15	0°-32'-1
minimum elong	-951 Jul 07 j 00:27	4°♃18'16	0°29'44	min. Earth dist.	-945 Jun 30 j 20:06	27°♃34'35	4.06975 AU
max. Earth dist.	-951 Jul 07 j 06:42	4°♃21'42	6.34393 AU	direct	-945 Aug 29 j 05:48	22°♃43'21	
morning rise	-951 Jul 20 j 10:49	7°♃14'55			-945 Nov 07 j 14:38	0°♃	
retrograde	-951 Nov 19 j 03:26	24°♃33'10		evening set	-945 Dec 31 j 22:48	11°♃51'36	
opposition	-950 Jan 18 j 01:08	19°♃36'27	1°07'54				
min. Earth dist.	-950 Jan 18 j 05:36	19°♃34'59	4.38617 AU	conjunction	-944 Jan 13 j 21:08	14°♃57'00	0°-41'-26
direct	-950 Mar 20 j 17:36	14°♃33'06		minimum elong	-944 Jan 13 j 21:05	14°♃56'58	0°41'28
	-950 Jul 15 j 00:06	0°♃		max. Earth dist.	-944 Jan 14 j 00:11	14°♃58'50	6.02279 AU
evening set	-950 Jul 26 j 00:51	2°♃21'37		morning rise	-944 Jan 26 j 21:47	18°♃03'51	
max. Earth dist.	-950 Aug 07 j 10:02	5°♃02'50	6.41399 AU		-944 Mar 21 j 06:11	0°♃	
				retrograde	-944 Jun 06 j 09:27	8°♃16'50	
conjunction	-950 Aug 08 j 05:12	5°♃13'16	1°00'33	opposition	-944 Aug 05 j 16:17	3°♃16'17	-1°-27'-33
minimum elong	-950 Aug 08 j 05:10	5°♃13'15	1°00'33	min. Earth dist.	-944 Aug 05 j 04:14	3°♃20'17	3.99156 AU
morning rise	-950 Aug 21 j 06:25	8°♃03'22			-944 Sep 01 j 17:59	30°♃	
	-950 Sep 23 j 16:38	15°♃		direct	-944 Oct 03 j 04:26	28°♃22'55	
retrograde	-950 Dec 19 j 12:47	24°♃57'15			-944 Nov 03 j 08:47	0°♃	
opposition	-949 Feb 17 j 20:10	20°♃03'39	1°41'05		-943 Jan 23 j 23:37	15°♃	
min. Earth dist.	-949 Feb 18 j 15:56	19°♃57'15	4.42677 AU	evening set	-943 Feb 05 j 01:31	17°♃51'41	
direct	-949 Apr 21 j 07:31	15°♃00'50					
	-949 Aug 13 j 17:57	0°♃		conjunction	-943 Feb 18 j 06:53	21°♃02'12	-1°-9'-5
evening set	-949 Aug 26 j 08:39	2°♃42'10		minimum elong	-943 Feb 18 j 06:52	21°♃02'10	1°09'06
max. Earth dist.	-949 Sep 06 j 15:11	5°♃09'32	6.42106 AU	max. Earth dist.	-943 Feb 19 j 13:51	21°♃20'48	5.97857 AU
				morning rise	-943 Mar 03 j 15:40	24°♃14'28	
conjunction	-949 Sep 08 j 05:08	5°♃30'17	1°14'09				
minimum elong	-949 Sep 08 j 05:07	5°♃30'16	1°14'09	retrograde	-943 Jul 13 j 23:44	10°♃45'39	
morning rise	-949 Sep 20 j 22:39	8°♃17'02		opposition	-943 Sep 11 j 21:15	9°♃41'38	-1°-50'-2
retrograde	-948 Jan 19 j 09:15	25°♃13'36		min. Earth dist.	-943 Sep 10 j 16:39	9°♃51'19	3.98786 AU
opposition	-948 Mar 20 j 01:04	20°♃21'47	1°46'45	direct	-943 Nov 08 j 18:53	4°♃46'38	

Planetary Phenomena of Jupiter from -1400 through -900 (UT), Astrodienst AG 14-Nov-2015 16:09, page 41

Attention, astronomical year style is used: The year -942 in astronomical counting style is the year 943 BCE in historical counting style.

evening set	-942 Mar 14 j 07:03	24°♄15'05		retrograde	-936 Jan 23 j 17:39	29°♃36'28	
				opposition	-936 Mar 24 j 11:37	24°♃44'41	1°45'05
conjunction	-942 Mar 27 j 20:10	27°♄27'23	-1°-10'-11	min. Earth dist.	-936 Mar 25 j 19:02	24°♃34'40	4.39731 AU
minimum elong	-942 Mar 27 j 20:12	27°♄27'24	1°10'12	direct	-936 May 26 j 04:05	19°♃43'48	
max. Earth dist.	-942 Mar 29 j 21:35	27°♄56'39	6.01456 AU		-936 Aug 24 j 16:35	0°♌	
	-942 Apr 07 j 14:20	0°♃		evening set	-936 Sep 29 j 11:05	7°♌32'11	
morning rise	-942 Apr 10 j 12:02	0°♃40'58		max. Earth dist.	-936 Oct 10 j 04:12	9°♌54'56	6.35696 AU
retrograde	-942 Aug 19 j 07:18	20°♃43'49					
opposition	-942 Oct 17 j 20:48	15°♃38'34	-1°-29'-46	conjunction	-936 Oct 12 j 02:12	10°♌20'35	1°04'44
min. Earth dist.	-942 Oct 16 j 12:46	15°♃49'30	4.05981 AU	minimum elong	-936 Oct 12 j 02:14	10°♌20'36	1°04'43
direct	-942 Dec 15 j 03:25	10°♃40'34		morning rise	-936 Oct 24 j 15:23	13°♌08'14	
evening set	-941 Apr 20 j 08:28	29°♃47'39			-935 Feb 03 j 20:58	0°♌	
	-941 Apr 21 j 06:00	0°♄		retrograde	-935 Feb 24 j 01:04	0°♌37'41	
					-935 Mar 16 j 05:19	30°♌	
conjunction	-941 May 04 j 02:40	2°♄57'40	0°-44'-59	opposition	-935 Apr 26 j 00:23	25°♌45'44	1°17'02
minimum elong	-941 May 04 j 02:43	2°♄57'42	0°45'00	min. Earth dist.	-935 Apr 27 j 09:59	25°♌35'03	4.30570 AU
max. Earth dist.	-941 May 06 j 03:32	3°♄25'50	6.11584 AU	direct	-935 Jun 27 j 04:20	20°♌47'21	
morning rise	-941 May 17 j 21:54	6°♄07'59			-935 Sep 18 j 18:53	0°♌	
	-941 Jun 27 j 17:44	15°♄		evening set	-935 Oct 30 j 16:07	8°♌56'47	
retrograde	-941 Sep 22 j 10:26	25°♄11'18		max. Earth dist.	-935 Nov 10 j 12:41	11°♌25'26	6.24476 AU
opposition	-941 Nov 20 j 22:51	20°♄07'40	0°-38'-18				
min. Earth dist.	-941 Nov 19 j 20:53	20°♄16'29	4.17897 AU	conjunction	-935 Nov 12 j 06:37	11°♌49'27	0°35'58
direct	-940 Jan 19 j 04:47	15°♄06'47		minimum elong	-935 Nov 12 j 06:39	11°♌49'28	0°35'58
	-940 May 08 j 06:28	0°♄		morning rise	-935 Nov 24 j 20:54	14°♌42'11	
evening set	-940 May 25 j 03:34	3°♄42'22			-935 Nov 26 j 04:14	15°♌	
					-934 Feb 12 j 16:41	0°♌	
conjunction	-940 Jun 07 j 21:05	6°♄46'35	0°-5'-8	retrograde	-934 Mar 30 j 07:18	3°♌05'11	
minimum elong	-940 Jun 07 j 21:06	6°♄46'36	0°05'09		-934 May 15 j 19:15	30°♌	
behind sun begin	-940 Jun 07 j 13:02	6°♄42'06		opposition	-934 May 30 j 07:12	28°♌11'19	0°23'57
behind sun end	-940 Jun 08 j 05:10	6°♄51'05		min. Earth dist.	-934 May 31 j 07:17	28°♌03'36	4.17938 AU
max. Earth dist.	-940 Jun 09 j 01:58	7°♄02'45	6.24361 AU	direct	-934 Jul 30 j 07:05	23°♌15'34	
morning rise	-940 Jun 21 j 13:50	9°♄50'07			-934 Oct 07 j 00:22	0°♌	
asc. node	-940 Jul 26 j 05:23	17°♄13'31		desc. node	-934 Oct 27 j 15:50	3°♌59'57	
retrograde	-940 Oct 23 j 14:38	27°♄50'25		evening set	-934 Dec 02 j 04:50	11°♌55'36	
opposition	-940 Dec 22 j 06:21	22°♄50'18	0°22'40				
min. Earth dist.	-940 Dec 21 j 19:40	22°♄53'53	4.30326 AU	conjunction	-934 Dec 14 j 22:25	14°♌54'56	0°-5'-20
direct	-939 Feb 20 j 21:13	17°♄47'32		minimum elong	-934 Dec 14 j 22:26	14°♌54'56	0°05'21
	-939 May 31 j 07:23	0°♄		behind sun begin	-934 Dec 14 j 14:40	14°♌50'23	
evening set	-939 Jun 28 j 04:10	5°♄53'48		behind sun end	-934 Dec 15 j 06:11	14°♌59'28	
				max. Earth dist.	-934 Dec 14 j 00:13	14°♌41'52	6.11573 AU
conjunction	-939 Jul 11 j 15:51	8°♄50'51	0°34'53	morning rise	-934 Dec 27 j 17:07	17°♌55'08	
minimum elong	-939 Jul 11 j 15:49	8°♄50'50	0°34'55		-933 Feb 22 j 02:27	0°♌	
max. Earth dist.	-939 Jul 11 j 19:54	8°♄53'04	6.35535 AU	retrograde	-933 May 05 j 17:47	7°♌21'50	
morning rise	-939 Jul 25 j 00:51	11°♄46'30		opposition	-933 Jul 05 j 09:41	2°♌24'48	0°-40'-29
retrograde	-939 Nov 23 j 09:51	29°♄00'14		min. Earth dist.	-933 Jul 05 j 16:36	2°♌22'33	4.05771 AU
opposition	-938 Jan 22 j 09:47	24°♄04'01	1°14'02		-933 Jul 24 j 18:35	30°♌	
min. Earth dist.	-938 Jan 22 j 15:12	24°♄02'15	4.39507 AU	direct	-933 Sep 02 j 23:38	27°♌31'06	
direct	-938 Mar 25 j 04:33	19°♄00'46			-933 Oct 12 j 10:29	0°♌	
	-938 Jun 27 j 19:49	0°♌		evening set	-932 Jan 05 j 15:51	16°♌42'38	
evening set	-938 Jul 30 j 12:45	6°♌47'30					
				conjunction	-932 Jan 18 j 14:52	19°♌48'50	0°-46'-17
conjunction	-938 Aug 12 j 15:46	9°♌38'24	1°03'37	minimum elong	-932 Jan 18 j 14:49	19°♌48'48	0°46'19
minimum elong	-938 Aug 12 j 15:44	9°♌38'23	1°03'37	max. Earth dist.	-932 Jan 18 j 19:27	19°♌51'35	6.01253 AU
max. Earth dist.	-938 Aug 11 j 17:52	9°♌26'29	6.41990 AU	morning rise	-932 Jan 31 j 16:42	22°♌56'37	
morning rise	-938 Aug 25 j 15:47	12°♌27'46			-932 Mar 02 j 07:10	0°♌	
	-938 Sep 06 j 12:13	15°♌		retrograde	-932 Jun 11 j 09:37	13°♌15'03	
retrograde	-938 Dec 23 j 20:44	29°♌19'55		opposition	-932 Aug 10 j 15:59	8°♌14'01	-1°-32'-53
opposition	-937 Feb 22 j 04:53	24°♌26'43	1°43'37	min. Earth dist.	-932 Aug 10 j 01:09	8°♌18'57	3.98438 AU
min. Earth dist.	-937 Feb 23 j 02:52	24°♌19'37	4.42963 AU	direct	-932 Oct 07 j 23:57	3°♌20'34	
direct	-937 Apr 25 j 19:15	19°♌24'07			-931 Jan 06 j 20:44	15°♌	
	-937 Jul 27 j 16:01	0°♌		evening set	-931 Feb 10 j 00:11	22°♌51'52	
evening set	-937 Aug 30 j 17:00	7°♌04'34					
max. Earth dist.	-937 Sep 10 j 20:52	9°♌30'36	6.42060 AU	conjunction	-931 Feb 23 j 06:47	26°♌03'03	-1°-10'-53
				minimum elong	-931 Feb 23 j 06:45	26°♌03'02	1°10'54
conjunction	-937 Sep 12 j 12:33	9°♌52'19	1°14'26	max. Earth dist.	-931 Feb 24 j 17:00	26°♌23'38	5.97517 AU
minimum elong	-937 Sep 12 j 12:33	9°♌52'19	1°14'26	morning rise	-931 Mar 08 j 16:32	29°♌15'57	
morning rise	-937 Sep 25 j 05:16	12°♌38'46			-931 Mar 11 j 18:38	0°♌	

Planetary Phenomena of Jupiter from -1400 through -900 (UT), Astrodienst AG 14-Nov-2015 16:09, page 42

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

retrograde	-931 Jul 19 j 01:36	19°♃47'53		opposition	-925 Feb 26 j 12:49	28°♃47'47	1°45'33
opposition	-931 Sep 16 j 20:02	14°♃43'37	-1°-49'-43	min. Earth dist.	-925 Feb 27 j 11:36	28°♃40'28	4.43060 AU
min. Earth dist.	-931 Sep 15 j 15:26	14°♃53'20	3.98867 AU	direct	-925 Apr 30 j 03:50	23°♃45'20	
direct	-931 Nov 13 j 18:08	9°♃48'17			-925 Jul 07 j 22:30	0°♃	
evening set	-930 Mar 19 j 08:51	29°♃17'05		evening set	-925 Sep 04 j 00:14	11°♃25'24	
	-930 Mar 22 j 09:45	0°♃		max. Earth dist.	-925 Sep 15 j 01:33	13°♃50'17	6.41688 AU
conjunction	-930 Apr 01 j 23:04	2°♃29'39	-1°-8'-6	conjunction	-925 Sep 16 j 18:51	14°♃12'55	1°14'18
minimum elong	-930 Apr 01 j 23:06	2°♃29'40	1°08'06	minimum elong	-925 Sep 16 j 18:51	14°♃12'55	1°14'17
max. Earth dist.	-930 Apr 04 j 02:04	2°♃59'47	6.01964 AU	morning rise	-925 Sep 29 j 10:49	16°♃59'13	
morning rise	-930 Apr 15 j 15:50	5°♃43'24			-925 Dec 06 j 19:32	0°♃	
retrograde	-930 Aug 24 j 03:34	25°♃41'43		retrograde	-924 Jan 28 j 03:34	3°♃59'16	
min. Earth dist.	-930 Oct 21 j 07:23	20°♃47'41	4.06864 AU		-924 Mar 22 j 00:31	30°♃	
opposition	-930 Oct 22 j 15:58	20°♃36'34	-1°-24'-5	opposition	-924 Mar 28 j 22:13	29°♃07'34	1°42'53
direct	-930 Dec 19 j 22:56	15°♃38'12		min. Earth dist.	-924 Mar 30 j 07:26	28°♃56'59	4.38893 AU
	-929 Apr 04 j 09:00	0°♃		direct	-924 May 30 j 15:27	24°♃06'56	
evening set	-929 Apr 25 j 09:29	4°♃43'20			-924 Aug 04 j 16:00	0°♃	
conjunction	-929 May 09 j 03:57	7°♃52'59	0°-39'-58	evening set	-924 Oct 03 j 18:09	11°♃57'05	
minimum elong	-929 May 09 j 04:00	7°♃53'01	0°39'58	max. Earth dist.	-924 Oct 14 j 09:30	14°♃19'19	6.34445 AU
max. Earth dist.	-929 May 11 j 02:12	8°♃19'34	6.12777 AU	conjunction	-924 Oct 16 j 08:57	14°♃45'50	1°01'45
morning rise	-929 May 22 j 23:28	11°♃02'51		minimum elong	-924 Oct 16 j 08:59	14°♃45'51	1°01'45
	-929 Jun 09 j 14:24	15°♃		morning rise	-924 Oct 28 j 22:07	17°♃33'58	
retrograde	-929 Sep 27 j 01:04	29°♃58'56			-924 Dec 30 j 12:49	0°♃	
opposition	-929 Nov 25 j 13:31	24°♃55'37	0°-29'-50	retrograde	-923 Feb 28 j 15:19	5°♃09'27	
min. Earth dist.	-929 Nov 24 j 13:22	25°♃03'50	4.19259 AU	opposition	-923 Apr 30 j 15:53	0°♃17'16	1°10'54
direct	-928 Jan 24 j 00:02	19°♃54'22		min. Earth dist.	-923 May 02 j 00:19	0°♃06'56	4.28972 AU
	-928 Apr 20 j 03:43	0°♃			-923 May 02 j 22:08	30°♃	
evening set	-928 May 30 j 00:29	8°♃26'44		direct	-923 Jul 01 j 16:08	25°♃19'10	
asc. node	-928 Jun 04 j 22:55	9°♃45'56			-923 Aug 28 j 02:13	0°♃	
conjunction	-928 Jun 12 j 17:42	11°♃30'09	0°00'51	evening set	-923 Nov 04 j 02:11	13°♃32'23	
minimum elong	-928 Jun 12 j 17:42	11°♃30'10	0°00'51		-923 Nov 10 j 11:28	15°♃	
behind sun begin	-928 Jun 12 j 09:22	11°♃25'32		max. Earth dist.	-923 Nov 15 j 01:52	16°♃03'23	6.22673 AU
behind sun end	-928 Jun 13 j 02:02	11°♃34'47		conjunction	-923 Nov 16 j 17:02	16°♃25'54	0°30'44
max. Earth dist.	-928 Jun 13 j 21:29	11°♃45'40	6.25806 AU	minimum elong	-923 Nov 16 j 17:04	16°♃25'55	0°30'43
morning rise	-928 Jun 26 j 09:31	14°♃32'43		morning rise	-923 Nov 29 j 07:38	19°♃19'34	
	-928 Sep 18 j 09:12	0°♃			-922 Jan 18 j 15:45	0°♃	
retrograde	-928 Oct 27 j 23:35	2°♃25'53		retrograde	-922 Apr 04 j 06:49	7°♃51'18	
	-928 Dec 06 j 12:10	30°♃		opposition	-922 Jun 04 j 05:17	2°♃57'07	0°15'11
opposition	-928 Dec 26 j 16:43	27°♃26'15	0°30'50	min. Earth dist.	-922 Jun 05 j 04:18	2°♃49'44	4.16042 AU
min. Earth dist.	-928 Dec 26 j 07:04	27°♃29'28	4.31719 AU		-922 Jun 28 j 21:30	30°♃	
direct	-927 Feb 25 j 11:09	22°♃23'19		direct	-922 Aug 04 j 01:11	28°♃01'42	
	-927 May 12 j 01:38	0°♃		desc. node	-922 Sep 06 j 16:13	29°♃47'20	
evening set	-927 Jul 02 j 19:46	10°♃26'17			-922 Sep 08 j 16:48	0°♃	
conjunction	-927 Jul 16 j 06:10	13°♃22'20	0°39'49	evening set	-922 Dec 06 j 21:05	16°♃46'39	
minimum elong	-927 Jul 16 j 06:07	13°♃22'19	0°39'50	conjunction	-922 Dec 19 j 15:12	19°♃47'00	0°-11'-24
max. Earth dist.	-927 Jul 16 j 05:41	13°♃22'04	6.36746 AU	minimum elong	-922 Dec 19 j 15:11	19°♃47'00	0°11'26
morning rise	-927 Jul 29 j 14:05	16°♃16'59		behind sun begin	-922 Dec 19 j 09:17	19°♃43'31	
	-927 Oct 10 j 20:25	0°♃		behind sun end	-922 Dec 19 j 21:06	19°♃50'28	
retrograde	-927 Nov 27 j 17:16	3°♃25'53		max. Earth dist.	-922 Dec 18 j 18:45	19°♃34'56	6.09753 AU
	-926 Jan 15 j 02:18	30°♃		morning rise	-921 Jan 01 j 10:55	22°♃48'24	
opposition	-926 Jan 26 j 17:54	28°♃30'03	1°19'42		-921 Feb 02 j 04:32	0°♃	
min. Earth dist.	-926 Jan 27 j 02:18	28°♃27'18	4.40435 AU	retrograde	-921 May 10 j 21:40	12°♃24'11	
direct	-926 Mar 29 j 17:29	23°♃26'43		opposition	-921 Jul 10 j 13:15	7°♃26'37	0°-49'-9
	-926 Jun 08 j 02:30	0°♃		min. Earth dist.	-921 Jul 10 j 16:23	7°♃25'35	4.04206 AU
evening set	-926 Aug 03 j 22:54	11°♃11'11		direct	-921 Sep 07 j 21:26	2°♃33'03	
max. Earth dist.	-926 Aug 16 j 01:10	13°♃48'30	6.42521 AU	evening set	-920 Jan 10 j 15:30	21°♃49'07	
conjunction	-926 Aug 17 j 00:54	14°♃01'24	1°06'18	conjunction	-920 Jan 23 j 15:36	24°♃56'17	0°-51'-4
minimum elong	-926 Aug 17 j 00:52	14°♃01'23	1°06'19	minimum elong	-920 Jan 23 j 15:33	24°♃56'15	0°51'06
	-926 Aug 21 j 12:40	15°♃		max. Earth dist.	-920 Jan 24 j 01:23	25°♃02'10	6.00098 AU
morning rise	-926 Aug 29 j 23:37	16°♃50'03		morning rise	-920 Feb 05 j 18:24	28°♃05'02	
	-926 Nov 08 j 03:41	0°♃			-920 Feb 13 j 20:17	0°♃	
retrograde	-926 Dec 28 j 01:38	3°♃40'48			-920 Apr 29 j 19:12	15°♃	
	-925 Feb 17 j 02:06	30°♃		retrograde	-920 Jun 16 j 18:35	18°♃28'55	

Planetary Phenomena of Jupiter from -1400 through -900 (UT), Astrodienst AG 14-Nov-2015 16:09, page 43

Attention, astronomical year style is used: The year -920 in astronomical counting style is the year 921 BCE in historical counting style.

	-920 Aug 04 j 04:10	15°♁		retrograde	-915 Dec 01 j 19:47	7°♁42'35	
opposition	-920 Aug 15 j 22:09	13°♁27'24	-1°-37'-47	opposition	-914 Jan 30 j 22:39	2°♁47'15	1°24'43
min. Earth dist.	-920 Aug 15 j 05:35	13°♁32'56	3.97845 AU	min. Earth dist.	-914 Jan 31 j 09:05	2°♁43'51	4.41366 AU
direct	-920 Oct 13 j 04:21	8°♁33'50			-914 Feb 22 j 15:09	30°♁	
	-920 Dec 16 j 20:11	15°♁		direct	-914 Apr 03 j 00:55	27°♁44'00	
evening set	-919 Feb 15 j 05:32	28°♁06'52			-914 May 12 j 19:22	0°♁	
	-919 Feb 23 j 02:25	0°♁			-914 Aug 06 j 04:16	15°♁	
				evening set	-914 Aug 08 j 05:42	15°♁26'37	
conjunction	-919 Feb 28 j 13:16	1°♁18'34	-1°-12'-14	max. Earth dist.	-914 Aug 20 j 01:51	18°♁00'40	6.42866 AU
minimum elong	-919 Feb 28 j 13:15	1°♁18'34	1°12'16				
max. Earth dist.	-919 Mar 02 j 03:28	1°♁41'30	5.97546 AU	conjunction	-914 Aug 21 j 06:23	18°♁16'11	1°08'32
morning rise	-919 Mar 14 j 00:14	4°♁31'57		minimum elong	-914 Aug 21 j 06:21	18°♁16'10	1°08'33
retrograde	-919 Jul 24 j 06:30	25°♁02'11		morning rise	-914 Sep 03 j 04:09	21°♁04'18	
opposition	-919 Sep 21 j 23:47	19°♁57'40	-1°-48'-32		-914 Oct 17 j 02:56	0°♁	
min. Earth dist.	-919 Sep 20 j 16:58	20°♁08'08	3.99569 AU	retrograde	-913 Jan 01 j 06:53	7°♁54'45	
direct	-919 Nov 18 j 20:51	15°♁02'02		opposition	-913 Mar 02 j 18:11	3°♁02'03	1°46'54
	-918 Mar 05 j 05:57	0°♁		min. Earth dist.	-913 Mar 03 j 20:11	2°♁53'42	4.42810 AU
evening set	-918 Mar 24 j 15:15	4°♁28'28			-913 Mar 28 j 04:09	30°♁	
				direct	-913 May 04 j 11:34	27°♁59'44	
conjunction	-918 Apr 07 j 06:11	7°♁40'47	-1°-5'-27		-913 Jun 10 j 21:14	0°♁	
minimum elong	-918 Apr 07 j 06:13	7°♁40'49	1°05'27	evening set	-913 Sep 08 j 04:52	15°♁40'52	
max. Earth dist.	-918 Apr 09 j 09:18	8°♁10'54	6.03268 AU	max. Earth dist.	-913 Sep 19 j 03:49	18°♁04'46	6.40843 AU
morning rise	-918 Apr 20 j 23:43	10°♁54'14					
	-918 Aug 07 j 18:30	0°♁		conjunction	-913 Sep 20 j 22:55	18°♁28'27	1°13'47
retrograde	-918 Aug 29 j 00:17	0°♁44'24		minimum elong	-913 Sep 20 j 22:56	18°♁28'27	1°13'46
	-918 Sep 19 j 02:33	30°♁		morning rise	-913 Oct 03 j 14:14	21°♁14'51	
min. Earth dist.	-918 Oct 26 j 05:09	25°♁50'17	4.08622 AU		-913 Nov 15 j 01:55	0°♁	
opposition	-918 Oct 27 j 13:17	25°♁39'18	-1°-17'-41	retrograde	-912 Feb 01 j 11:13	3°♁19'09	
direct	-918 Dec 25 j 00:02	20°♁40'30		opposition	-912 Apr 02 j 07:32	3°♁27'30	1°40'11
	-917 Mar 16 j 14:03	0°♁		min. Earth dist.	-912 Apr 03 j 16:47	3°♁16'55	4.37511 AU
evening set	-917 Apr 30 j 11:36	9°♁40'20			-912 May 02 j 09:18	30°♁	
				direct	-912 Jun 03 j 21:59	28°♁27'11	
conjunction	-917 May 14 j 06:21	12°♁49'09	0°-34'-41		-912 Jul 06 j 11:17	0°♁	
minimum elong	-917 May 14 j 06:23	12°♁49'10	0°34'41	evening set	-912 Oct 08 j 00:26	16°♁21'06	
max. Earth dist.	-917 May 16 j 04:27	13°♁15'31	6.14855 AU	max. Earth dist.	-912 Oct 18 j 15:55	18°♁44'02	6.32631 AU
	-917 May 23 j 19:30	15°♁					
morning rise	-917 May 28 j 01:28	15°♁57'56		conjunction	-912 Oct 20 j 15:02	19°♁10'30	0°58'28
	-917 Aug 06 j 07:41	0°♁		minimum elong	-912 Oct 20 j 15:05	19°♁10'31	0°58'28
retrograde	-917 Oct 01 j 14:20	4°♁43'30		morning rise	-912 Nov 02 j 04:13	21°♁59'23	
	-917 Nov 27 j 18:00	30°♁			-912 Dec 09 j 18:52	0°♁	
min. Earth dist.	-917 Nov 29 j 04:30	29°♁48'20	4.21436 AU	retrograde	-911 Mar 05 j 09:09	9°♁43'06	
opposition	-917 Nov 30 j 03:13	29°♁40'39	0°-21'-17	opposition	-911 May 05 j 08:13	4°♁50'48	1°04'23
direct	-916 Jan 28 j 18:15	24°♁39'07		min. Earth dist.	-911 May 06 j 17:01	4°♁40'21	4.26824 AU
	-916 Mar 29 j 16:39	0°♁			-911 Jun 27 j 14:00	30°♁	
asc. node	-916 Apr 15 j 10:17	2°♁52'50		direct	-911 Jul 06 j 05:36	29°♁53'05	
evening set	-916 Jun 03 j 19:33	13°♁05'36			-911 Jul 14 j 20:05	0°♁	
					-911 Oct 25 j 09:41	15°♁	
conjunction	-916 Jun 17 j 11:51	16°♁07'48	0°06'39	evening set	-911 Nov 08 j 13:38	18°♁12'04	
minimum elong	-916 Jun 17 j 11:51	16°♁07'48	0°06'40	max. Earth dist.	-911 Nov 19 j 14:40	20°♁44'38	6.20382 AU
behind sun begin	-916 Jun 17 j 04:06	16°♁03'31					
behind sun end	-916 Jun 17 j 19:35	16°♁12'05		conjunction	-911 Nov 21 j 04:51	21°♁06'41	0°25'17
max. Earth dist.	-916 Jun 18 j 10:42	16°♁20'30	6.27890 AU	minimum elong	-911 Nov 21 j 04:52	21°♁06'42	0°25'16
morning rise	-916 Jul 01 j 02:52	19°♁09'05		morning rise	-911 Dec 03 j 20:09	24°♁01'36	
	-916 Aug 23 j 11:39	0°♁			-911 Dec 30 j 13:49	0°♁	
retrograde	-916 Nov 01 j 06:07	6°♁53'36		retrograde	-910 Apr 09 j 07:27	12°♁43'53	
opposition	-916 Dec 31 j 00:35	1°♁54'30	0°38'33	opposition	-910 Jun 09 j 05:20	7°♁49'17	0°06'12
min. Earth dist.	-916 Dec 30 j 17:55	1°♁56'43	4.33545 AU	min. Earth dist.	-910 Jun 10 j 00:55	7°♁42'59	4.13793 AU
	-915 Jan 14 j 18:04	30°♁		desc. node	-910 Jul 17 j 11:08	3°♁41'32	
direct	-915 Mar 02 j 00:29	26°♁51'23		direct	-910 Aug 08 j 18:32	2°♁54'14	
	-915 Apr 17 j 15:05	0°♁		evening set	-910 Dec 11 j 16:10	21°♁45'26	
evening set	-915 Jul 07 j 07:24	14°♁49'57					
				conjunction	-910 Dec 24 j 11:07	24°♁47'00	0°-17'-30
conjunction	-915 Jul 20 j 16:47	17°♁44'58	0°44'20	minimum elong	-910 Dec 24 j 11:06	24°♁46'59	0°17'32
minimum elong	-915 Jul 20 j 16:44	17°♁44'57	0°44'21	max. Earth dist.	-910 Dec 23 j 19:52	24°♁37'57	6.07761 AU
max. Earth dist.	-915 Jul 20 j 13:40	17°♁43'16	6.38167 AU	morning rise	-909 Jan 06 j 07:42	27°♁49'39	
morning rise	-915 Aug 02 j 23:12	20°♁38'28			-909 Jan 15 j 14:31	0°♁	
	-915 Sep 18 j 01:44	0°♁		retrograde	-909 May 16 j 06:47	17°♁34'58	

Planetary Phenomena of Jupiter from -1400 through -900 (UT), Astrodienst AG 14-Nov-2015 16:09, page 44

Attention, astronomical year style is used: The year -909 in astronomical counting style is the year 910 BCE in historical counting style.

opposition	-909 Jul 15 j 19:50	12°☾36'49	0°-57'-36			-904 Aug 04 j 05:28	0°☽	
min. Earth dist.	-909 Jul 15 j 20:24	12°☾36'38	4.02668 AU	retrograde		-904 Nov 05 j 13:46	11°☽21'21	
direct	-909 Sep 13 j 00:07	7°☾43'25		opposition		-903 Jan 04 j 08:40	6°☽22'51	0°46'06
evening set	-908 Jan 15 j 18:10	27°☾03'37		min. Earth dist.		-903 Jan 04 j 04:40	6°☽24'10	4.35050 AU
	-908 Jan 27 j 23:55	0°☾		direct		-903 Mar 06 j 12:58	1°☽19'39	
				evening set		-903 Jul 11 j 19:56	19°☽14'58	
conjunction	-908 Jan 28 j 19:17	0°☾11'39	0°-55'-31					
minimum elong	-908 Jan 28 j 19:14	0°☾11'37	0°55'32	conjunction		-903 Jul 25 j 04:01	22°☽09'03	0°48'41
max. Earth dist.	-908 Jan 29 j 10:00	0°☾20'30	5.99151 AU	minimum elong		-903 Jul 25 j 03:58	22°☽09'02	0°48'41
morning rise	-908 Feb 10 j 23:19	3°☾21'21		max. Earth dist.		-903 Jul 24 j 19:39	22°☽04'30	6.39224 AU
	-908 Apr 03 j 11:29	15°☾		morning rise		-903 Aug 07 j 09:20	25°☽01'39	
retrograde	-908 Jun 22 j 03:51	23°☾49'00				-903 Aug 30 j 21:43	0°♁	
min. Earth dist.	-908 Aug 20 j 09:45	18°☾53'41	3.97628 AU	retrograde		-903 Dec 06 j 01:30	12°♁02'13	
opposition	-908 Aug 21 j 05:59	18°☾46'54	-1°-41'-55	opposition		-902 Feb 04 j 05:07	7°♁07'19	1°29'23
	-908 Sep 22 j 16:13	15°☾		min. Earth dist.		-902 Feb 04 j 18:25	7°♁02'59	4.41942 AU
direct	-908 Oct 18 j 08:58	13°☾53'10		direct		-902 Apr 07 j 10:24	2°♁04'04	
	-908 Nov 13 j 00:53	15°☾				-902 Jul 20 j 23:41	15°♁	
	-907 Feb 05 j 22:53	0°♁		evening set		-902 Aug 12 j 13:53	19°♁45'49	
evening set	-907 Feb 20 j 12:47	3°♁26'13		max. Earth dist.		-902 Aug 24 j 07:31	22°♁18'33	6.42910 AU
conjunction	-907 Mar 05 j 21:29	6°♁38'08	-1°-13'-1	conjunction		-902 Aug 25 j 13:41	22°♁34'58	1°10'28
minimum elong	-907 Mar 05 j 21:29	6°♁38'08	1°13'01	minimum elong		-902 Aug 25 j 13:39	22°♁34'57	1°10'28
max. Earth dist.	-907 Mar 07 j 14:14	7°♁02'33	5.98034 AU	morning rise		-902 Sep 07 j 10:14	25°♁22'36	
morning rise	-907 Mar 19 j 09:32	9°♁51'43				-902 Sep 29 j 06:16	0°♁	
	-907 Jul 15 j 23:55	0°♁		retrograde		-901 Jan 05 j 12:53	12°♁13'43	
retrograde	-907 Jul 29 j 09:51	0°♁17'51		opposition		-901 Mar 07 j 02:08	7°♁21'17	1°47'44
	-907 Aug 11 j 18:39	30°♁		min. Earth dist.		-901 Mar 08 j 05:05	7°♁12'39	4.42342 AU
min. Earth dist.	-907 Sep 25 j 19:23	25°♁23'49	4.00685 AU	direct		-901 May 08 j 19:05	2°♁19'14	
opposition	-907 Sep 27 j 03:13	25°♁12'58	-1°-46'-25	evening set		-901 Sep 12 j 11:55	20°♁01'49	
direct	-907 Nov 24 j 01:40	20°♁16'50		max. Earth dist.		-901 Sep 23 j 07:37	22°♁24'23	6.39883 AU
	-906 Feb 14 j 07:38	0°♁						
evening set	-906 Mar 29 j 21:30	9°♁39'25		conjunction		-901 Sep 25 j 05:08	22°♁49'28	1°12'50
conjunction	-906 Apr 12 j 13:22	12°♁51'23	-1°-2'-17	minimum elong		-901 Sep 25 j 05:09	22°♁49'29	1°12'50
minimum elong	-906 Apr 12 j 13:25	12°♁51'24	1°02'18	morning rise		-901 Oct 07 j 20:04	25°♁36'04	
max. Earth dist.	-906 Apr 14 j 18:21	13°♁22'27	6.04900 AU			-901 Oct 28 j 07:18	0°♁	
morning rise	-906 Apr 26 j 07:15	16°♁04'14		retrograde		-900 Feb 06 j 00:29	12°♁44'59	
	-906 Jul 02 j 09:01	0°♁		opposition		-900 Apr 06 j 20:03	7°♁53'24	1°36'49
retrograde	-906 Sep 02 j 21:15	5°♁44'56		min. Earth dist.		-900 Apr 08 j 06:40	7°♁42'22	4.36119 AU
min. Earth dist.	-906 Oct 31 j 02:19	0°♁50'37	4.10565 AU	direct		-900 Jun 08 j 09:38	2°♁53'24	
opposition	-906 Nov 01 j 09:26	0°♁40'00	-1°-10'-44	evening set		-900 Oct 12 j 09:09	20°♁50'53	
	-906 Nov 06 j 07:06	30°♁		max. Earth dist.		-900 Oct 23 j 01:14	23°♁14'42	6.30930 AU
direct	-906 Dec 30 j 00:00	25°♁40'46		conjunction		-900 Oct 24 j 23:46	23°♁40'56	0°54'44
	-905 Feb 21 j 03:56	0°♁		minimum elong		-900 Oct 24 j 23:49	23°♁40'58	0°54'43
evening set	-905 May 05 j 12:49	14°♁34'56		morning rise		-900 Nov 06 j 13:00	26°♁30'34	
	-905 May 07 j 09:06	15°♁				-900 Nov 22 j 07:38	0°♁	
conjunction	-905 May 19 j 07:25	17°♁42'47	0°-29'-10					
minimum elong	-905 May 19 j 07:27	17°♁42'49	0°29'10					
max. Earth dist.	-905 May 21 j 02:01	18°♁07'01	6.16935 AU					
morning rise	-905 Jun 02 j 02:25	20°♁50'33						
	-905 Jul 14 j 23:59	0°♁						
retrograde	-905 Oct 06 j 01:51	9°♁26'03						
opposition	-905 Dec 04 j 16:11	4°♁23'38	0°-12'-39					
min. Earth dist.	-905 Dec 03 j 19:21	4°♁30'41	4.23458 AU					
	-904 Jan 13 j 17:24	30°♁						
direct	-904 Feb 02 j 12:01	29°♁21'46						
	-904 Feb 22 j 12:14	0°♁						
asc. node	-904 Feb 24 j 08:56	0°♁07'17						
evening set	-904 Jun 08 j 14:00	17°♁43'10						
conjunction	-904 Jun 22 j 05:38	20°♁44'17	0°12'23					
minimum elong	-904 Jun 22 j 05:37	20°♁44'17	0°12'25					
behind sun begin	-904 Jun 22 j 00:20	20°♁41'22						
behind sun end	-904 Jun 22 j 10:53	20°♁47'11						
max. Earth dist.	-904 Jun 23 j 01:20	20°♁55'12	6.29720 AU					
morning rise	-904 Jul 05 j 19:28	23°♁44'20						