

Ephemerides year 2011

# Ephemeris Tables for the year 2011

## Tropical Zodiac

Sun, Moon, Mercury, Venus, Mars, Jupiter, Saturn, Uranus, Neptune, Pluto, Moon's Node, Chiron, Lilith, True Node, True Lilith, Eris, Sedna

Tradizione Esoterica - Web: <https://tradizione-esoterica.com> - eMail: [tradizione.esoterica@gmail.com](mailto:tradizione.esoterica@gmail.com)

## Symbols

### Planets

☉ = Sun  
☾ = Moon  
☿ = Mercury  
♀ = Venus  
♂ = Mars  
♃ = Jupiter  
♄ = Saturn  
♅ = Uranus  
♆ = Neptune  
♇ = Pluto  
X = Eris  
Y = Sedna

### Zodiacal Signs

♈ = Aries  
♉ = Taurus  
♊ = Gemini  
♋ = Cancer  
♌ = Leo  
♍ = Virgo  
♎ = Libra  
♏ = Scorpio  
♐ = Sagittarius  
♑ = Capricorn  
♒ = Aquarius  
♓ = Pisces

### Asteroids and Other Points

♁ = Chiron  
♌ = Moon's Node  
T♌ = True Node  
♁ = Lilith  
T♁ = True Lilith

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| Date       | Time     | Planet | Longitude   | Declination | Latitude   | Speed      | Radius |
|------------|----------|--------|-------------|-------------|------------|------------|--------|
| 01/01/2011 | 00:00:00 | ♃      | 10°12'10" ♃ | -23°02'44"  | 00°00'00"  | 01°01'10"  | 0.983  |
| 01/01/2011 | 00:00:00 | ♄      | 29°14'25" ♄ | -22°50'22"  | -02°55'25" | 13°30'37"  | 0.003  |
| 01/01/2011 | 00:00:00 | ♅      | 19°50'17" ♅ | -20°13'01"  | 02°50'23"  | 00°14'46"  | 0.836  |
| 01/01/2011 | 00:00:00 | ♆      | 23°33'51" ♆ | -15°16'29"  | 03°29'47"  | 00°57'37"  | 0.616  |
| 01/01/2011 | 00:00:00 | ♇      | 18°22'18" ♇ | -23°09'33"  | -00°59'26" | 00°46'25"  | 2.379  |
| 01/01/2011 | 00:00:00 | ♈      | 26°33'05" ♈ | -02°31'58"  | -01°15'58" | 00°08'02"  | 5.089  |
| 01/01/2011 | 00:00:00 | ♉      | 16°39'37" ♉ | -04°19'22"  | 02°24'30"  | 00°02'39"  | 9.646  |
| 01/01/2011 | 00:00:00 | ♊      | 26°57'31" ♊ | -01°53'06"  | -00°44'11" | 00°01'18"  | 20.292 |
| 01/01/2011 | 00:00:00 | ♋      | 26°44'04" ♋ | -13°03'20"  | -00°28'57" | 00°01'42"  | 30.682 |
| 01/01/2011 | 00:00:00 | ♌      | 05°19'52" ♌ | -18°49'36"  | 04°30'25"  | 00°02'09"  | 32.932 |
| 01/01/2011 | 00:00:00 | ♍      | 02°45'43" ♍ | -23°24'32"  | 00°00'00"  | 00°00'44"  | 0.003  |
| 01/01/2011 | 00:00:00 | ♎      | 27°37'08" ♎ | -06°53'52"  | 05°44'42"  | 00°03'05"  | 17.236 |
| 01/01/2011 | 00:00:00 | ♏      | 20°52'36" ♏ | 01°01'20"   | 05°02'37"  | 00°06'43"  | 0.003  |
| 01/01/2011 | 00:00:00 | ♐      | 02°45'43" ♐ | -23°24'32"  | 00°00'00"  | 00°00'44"  | 0.003  |
| 01/01/2011 | 00:00:00 | ♑      | 18°02'58" ♑ | -00°00'59"  | 05°06'41"  | 05°50'00"  | 0.003  |
| 01/01/2011 | 00:00:00 | X      | 21°09'29" ♏ | -04°17'35"  | -13°31'01" | -00°00'05" | 96.436 |
| 01/01/2011 | 00:00:00 | Y      | 21°36'10" ♏ | 06°32'56"   | -12°00'22" | -00°00'22" | 86.663 |

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|                     |   |             |            |              |            |        |
|---------------------|---|-------------|------------|--------------|------------|--------|
| 02/01/2011 00:00:00 | ☉ | 11°13'21" ♍ | -22°57'49" | 00°00'00"    | 01°01'10"  | 0.983  |
| 02/01/2011 00:00:00 | ☾ | 12°38'54" ♎ | -24°07'07" | 0°-01'49'18" | 13°18'13"  | 0.003  |
| 02/01/2011 00:00:00 | ♁ | 20°08'59" ♎ | -20°20'41" | 02°44'04"    | 00°22'30"  | 0.857  |
| 02/01/2011 00:00:00 | ♂ | 24°31'45" ♎ | -15°30'00" | 03°30'17"    | 00°58'08"  | 0.624  |
| 02/01/2011 00:00:00 | ♂ | 19°08'45" ♍ | -23°03'20" | -00°59'42"   | 00°46'28"  | 2.379  |
| 02/01/2011 00:00:00 | ♃ | 26°41'12" ♉ | -02°28'33" | -01°15'45"   | 00°08'11"  | 5.104  |
| 02/01/2011 00:00:00 | ♄ | 16°42'14" ♉ | -04°20'07" | 02°24'46"    | 00°02'33"  | 9.629  |
| 02/01/2011 00:00:00 | ♅ | 26°58'51" ♉ | -01°52'31" | -00°44'08"   | 00°01'21"  | 20.309 |
| 02/01/2011 00:00:00 | ♆ | 26°45'47" ♉ | -13°02'44" | -00°28'57"   | 00°01'43"  | 30.694 |
| 02/01/2011 00:00:00 | ♇ | 05°22'01" ♍ | -18°49'36" | 04°30'20"    | 00°02'09"  | 32.931 |
| 02/01/2011 00:00:00 | ♈ | 02°46'25" ♍ | -23°24'31" | 00°00'00"    | 00°00'37"  | 0.003  |
| 02/01/2011 00:00:00 | ♉ | 27°40'15" ♉ | -06°53'05" | 05°44'25"    | 00°03'08"  | 17.250 |
| 02/01/2011 00:00:00 | ♊ | 20°59'20" ♉ | 01°04'07"  | 05°02'48"    | 00°06'43"  | 0.003  |
| 02/01/2011 00:00:00 | ♋ | 02°46'25" ♍ | -23°24'31" | 00°00'00"    | 00°00'37"  | 0.003  |
| 02/01/2011 00:00:00 | ♌ | 23°24'45" ♉ | 02°10'19"  | 05°12'42"    | 04°46'32"  | 0.003  |
| 02/01/2011 00:00:00 | X | 21°09'25" ♎ | -04°17'27" | -13°30'51"   | -00°00'04" | 96.452 |
| 02/01/2011 00:00:00 | Y | 21°35'48" ♎ | 06°32'57"  | -12°00'16"   | -00°00'21" | 86.675 |
| 03/01/2011 00:00:00 | ☉ | 12°14'32" ♍ | -22°52'26" | 00°00'00"    | 01°01'10"  | 0.983  |
| 03/01/2011 00:00:00 | ☾ | 25°50'38" ♎ | -24°00'41" | 0°-00'38'21" | 13°05'07"  | 0.003  |

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|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 03/01/2011 00:00:00 | ♀  | 20°35'03" ♄ | -20°29'33" | 02°37'02"  | 00°29'30"  | 0.879  |
| 03/01/2011 00:00:00 | ♀  | 25°30'09" ♃ | -15°43'30" | 03°30'36"  | 00°58'38"  | 0.631  |
| 03/01/2011 00:00:00 | ♂  | 19°55'14" ♄ | -22°56'52" | -00°59'57" | 00°46'30"  | 2.379  |
| 03/01/2011 00:00:00 | ♃  | 26°49'28" ♃ | -02°25'03" | -01°15'31" | 00°08'20"  | 5.120  |
| 03/01/2011 00:00:00 | ♃  | 16°44'44" ♃ | -04°20'49" | 02°25'03"  | 00°02'27"  | 9.612  |
| 03/01/2011 00:00:00 | ♃  | 27°00'14" ♃ | -01°51'56" | -00°44'06" | 00°01'24"  | 20.325 |
| 03/01/2011 00:00:00 | ♃  | 26°47'31" ♃ | -13°02'09" | -00°28'57" | 00°01'44"  | 30.707 |
| 03/01/2011 00:00:00 | ♃  | 05°24'11" ♄ | -18°49'36" | 04°30'15"  | 00°02'09"  | 32.929 |
| 03/01/2011 00:00:00 | ♃  | 02°46'53" ♄ | -23°24'30" | 00°00'00"  | 00°00'16"  | 0.003  |
| 03/01/2011 00:00:00 | ♃  | 27°43'24" ♃ | -06°52'18" | 05°44'07"  | 00°03'10"  | 17.264 |
| 03/01/2011 00:00:00 | ♃  | 21°06'03" ♃ | 01°06'55"  | 05°02'58"  | 00°06'43"  | 0.003  |
| 03/01/2011 00:00:00 | T♃ | 02°46'53" ♄ | -23°24'30" | 00°00'00"  | 00°00'16"  | 0.003  |
| 03/01/2011 00:00:00 | T♃ | 27°25'37" ♃ | 03°47'58"  | 05°15'21"  | 03°11'52"  | 0.003  |
| 03/01/2011 00:00:00 | X  | 21°09'20" ♃ | -04°17'19" | -13°30'40" | -00°00'03" | 96.469 |
| 03/01/2011 00:00:00 | Y  | 21°35'27" ♃ | 06°32'58"  | -12°00'10" | -00°00'21" | 86.687 |
| 04/01/2011 00:00:00 | ♃  | 13°15'42" ♄ | -22°46'36" | 00°00'00"  | 01°01'10"  | 0.983  |
| 04/01/2011 00:00:00 | ♃  | 08°49'00" ♄ | -22°35'22" | 00°33'22"  | 12°51'33"  | 0.003  |
| 04/01/2011 00:00:00 | ♀  | 21°07'46" ♄ | -20°39'21" | 02°29'25"  | 00°35'47"  | 0.900  |
| 04/01/2011 00:00:00 | ♀  | 26°29'02" ♃ | -15°56'57" | 03°30'45"  | 00°59'07"  | 0.639  |

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|---------------------|---|-------------|------------|------------|------------|--------|
| 04/01/2011 00:00:00 | ♂ | 20°41'46" ⚊ | -22°50'09" | -01°00'11" | 00°46'32"  | 2.379  |
| 04/01/2011 00:00:00 | ♃ | 26°57'53" ⚊ | -02°21'30" | -01°15'18" | 00°08'29"  | 5.135  |
| 04/01/2011 00:00:00 | ♅ | 16°47'09" ⚊ | -04°21'29" | 02°25'19"  | 00°02'21"  | 9.596  |
| 04/01/2011 00:00:00 | ♁ | 27°01'40" ⚊ | -01°51'20" | -00°44'04" | 00°01'27"  | 20.342 |
| 04/01/2011 00:00:00 | ♃ | 26°49'16" ⚊ | -13°01'33" | -00°28'57" | 00°01'46"  | 30.719 |
| 04/01/2011 00:00:00 | ♁ | 05°26'20" ⚊ | -18°49'36" | 04°30'10"  | 00°02'08"  | 32.928 |
| 04/01/2011 00:00:00 | ♁ | 02°46'53" ⚊ | -23°24'30" | 00°00'00"  | -00°00'16" | 0.003  |
| 04/01/2011 00:00:00 | ♁ | 27°46'36" ⚊ | -06°51'30" | 05°43'50"  | 00°03'12"  | 17.277 |
| 04/01/2011 00:00:00 | ♁ | 21°12'46" ⚊ | 01°09'42"  | 05°03'08"  | 00°06'43"  | 0.003  |
| 04/01/2011 00:00:00 | ♁ | 02°46'53" ⚊ | -23°24'30" | 00°00'00"  | -00°00'16" | 0.003  |
| 04/01/2011 00:00:00 | ♁ | 29°45'34" ⚊ | 04°44'11"  | 05°16'04"  | 01°28'25"  | 0.003  |
| 04/01/2011 00:00:00 | X | 21°09'17" ⚊ | -04°17'11" | -13°30'30" | -00°00'03" | 96.486 |
| 04/01/2011 00:00:00 | Y | 21°35'06" ⚊ | 06°32'59"  | -12°00'03" | -00°00'20" | 86.700 |
| 05/01/2011 00:00:00 | ♁ | 14°16'53" ⚊ | -22°40'19" | 00°00'00"  | 01°01'10"  | 0.983  |
| 05/01/2011 00:00:00 | ♁ | 21°33'44" ⚊ | -20°01'45" | 01°42'07"  | 12°37'55"  | 0.003  |
| 05/01/2011 00:00:00 | ♁ | 21°46'26" ⚊ | -20°49'52" | 02°21'20"  | 00°41'26"  | 0.921  |
| 05/01/2011 00:00:00 | ♁ | 27°28'23" ⚊ | -16°10'20" | 03°30'43"  | 00°59'34"  | 0.646  |
| 05/01/2011 00:00:00 | ♂ | 21°28'20" ⚊ | -22°43'10" | -01°00'26" | 00°46'34"  | 2.379  |
| 05/01/2011 00:00:00 | ♃ | 27°06'27" ⚊ | -02°17'54" | -01°15'05" | 00°08'37"  | 5.150  |

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|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 05/01/2011 00:00:00 | ♃ | 16°49'27" ♈ | -04°22'07" | 02°25'36"  | 00°02'15"  | 9.579  |
| 05/01/2011 00:00:00 | ♃ | 27°03'09" ♉ | -01°50'42" | -00°44'01" | 00°01'30"  | 20.359 |
| 05/01/2011 00:00:00 | ♃ | 26°51'03" ♊ | -13°00'56" | -00°28'57" | 00°01'47"  | 30.731 |
| 05/01/2011 00:00:00 | ♃ | 05°28'29" ♋ | -18°49'35" | 04°30'06"  | 00°02'08"  | 32.926 |
| 05/01/2011 00:00:00 | ♃ | 02°46'18" ♌ | -23°24'31" | 00°00'00"  | -00°00'55" | 0.003  |
| 05/01/2011 00:00:00 | ♃ | 27°49'50" ♍ | -06°50'40" | 05°43'33"  | 00°03'15"  | 17.290 |
| 05/01/2011 00:00:00 | ♃ | 21°19'30" ♎ | 01°12'29"  | 05°03'18"  | 00°06'43"  | 0.003  |
| 05/01/2011 00:00:00 | ♃ | 02°46'18" ♏ | -23°24'31" | 00°00'00"  | -00°00'55" | 0.003  |
| 05/01/2011 00:00:00 | ♃ | 00°26'56" ♐ | 05°00'34"  | 05°16'00"  | -00°01'48" | 0.003  |
| 05/01/2011 00:00:00 | X | 21°09'14" ♑ | -04°17'02" | -13°30'19" | -00°00'02" | 96.502 |
| 05/01/2011 00:00:00 | Y | 21°34'45" ♒ | 06°33'01"  | -11°59'56" | -00°00'20" | 86.712 |
| 06/01/2011 00:00:00 | ♃ | 15°18'04" ♓ | -22°33'36" | 00°00'00"  | 01°01'10"  | 0.983  |
| 06/01/2011 00:00:00 | ♃ | 04°05'01" ♈ | -16°33'57" | 02°44'40"  | 12°24'47"  | 0.003  |
| 06/01/2011 00:00:00 | ♃ | 22°30'26" ♉ | -21°00'51" | 02°12'54"  | 00°46'28"  | 0.942  |
| 06/01/2011 00:00:00 | ♃ | 28°28'12" ♊ | -16°23'39" | 03°30'31"  | 01°00'01"  | 0.654  |
| 06/01/2011 00:00:00 | ♃ | 22°14'55" ♋ | -22°35'55" | -01°00'40" | 00°46'36"  | 2.379  |
| 06/01/2011 00:00:00 | ♃ | 27°15'09" ♌ | -02°14'15" | -01°14'52" | 00°08'46"  | 5.165  |
| 06/01/2011 00:00:00 | ♃ | 16°51'39" ♍ | -04°22'42" | 02°25'52"  | 00°02'09"  | 9.563  |
| 06/01/2011 00:00:00 | ♃ | 27°04'41" ♎ | -01°50'04" | -00°43'59" | 00°01'33"  | 20.375 |

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|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 06/01/2011 00:00:00 | ♁  | 26°52'52" ♁ | -13°00'19" | -00°28'57" | 00°01'48"  | 30.742 |
| 06/01/2011 00:00:00 | ♂  | 05°30'37" ♂ | -18°49'34" | 04°30'01"  | 00°02'08"  | 32.924 |
| 06/01/2011 00:00:00 | ♄  | 02°45'02" ♂ | -23°24'33" | 00°00'00"  | -00°01'35" | 0.003  |
| 06/01/2011 00:00:00 | ♃  | 27°53'06" ♁ | -06°49'49" | 05°43'17"  | 00°03'17"  | 17.303 |
| 06/01/2011 00:00:00 | ♁  | 21°26'13" ♃ | 01°15'16"  | 05°03'28"  | 00°06'43"  | 0.003  |
| 06/01/2011 00:00:00 | T♄ | 02°45'02" ♂ | -23°24'33" | 00°00'00"  | -00°01'35" | 0.003  |
| 06/01/2011 00:00:00 | T♁ | 29°52'22" ♃ | 04°46'28"  | 05°15'36"  | -01°01'12" | 0.003  |
| 06/01/2011 00:00:00 | X  | 21°09'12" ♃ | -04°16'53" | -13°30'09" | -00°00'01" | 96.519 |
| 06/01/2011 00:00:00 | Y  | 21°34'25" ♂ | 06°33'03"  | -11°59'49" | -00°00'19" | 86.725 |
| 07/01/2011 00:00:00 | ♃  | 16°19'14" ♂ | -22°26'25" | 00°00'00"  | 01°01'10"  | 0.983  |
| 07/01/2011 00:00:00 | ♄  | 16°23'43" ♁ | -12°26'45" | 03°38'23"  | 12°12'50"  | 0.003  |
| 07/01/2011 00:00:00 | ♁  | 23°19'13" ♂ | -21°12'07" | 02°04'11"  | 00°50'58"  | 0.962  |
| 07/01/2011 00:00:00 | ♀  | 29°28'26" ♃ | -16°36'51" | 03°30'10"  | 01°00'26"  | 0.661  |
| 07/01/2011 00:00:00 | ♂  | 23°01'33" ♂ | -22°28'25" | -01°00'54" | 00°46'38"  | 2.379  |
| 07/01/2011 00:00:00 | ♃  | 27°24'00" ♃ | -02°10'32" | -01°14'39" | 00°08'54"  | 5.180  |
| 07/01/2011 00:00:00 | ♁  | 16°53'45" ♃ | -04°23'14" | 02°26'09"  | 00°02'02"  | 9.546  |
| 07/01/2011 00:00:00 | ♃  | 27°06'16" ♃ | -01°49'24" | -00°43'57" | 00°01'35"  | 20.391 |
| 07/01/2011 00:00:00 | ♁  | 26°54'41" ♁ | -12°59'42" | -00°28'57" | 00°01'50"  | 30.754 |
| 07/01/2011 00:00:00 | ♂  | 05°32'45" ♂ | -18°49'34" | 04°29'57"  | 00°02'07"  | 32.921 |



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|---------------------|---|-------------|------------|------------|------------|--------|
| 07/01/2011 00:00:00 | ♁ | 02°43'10" ♀ | -23°24'35" | 00°00'00"  | -00°02'07" | 0.003  |
| 07/01/2011 00:00:00 | ♋ | 27°56'24" ♁ | -06°48'58" | 05°43'00"  | 00°03'19"  | 17.316 |
| 07/01/2011 00:00:00 | ♌ | 21°32'56" ♀ | 01°18'03"  | 05°03'38"  | 00°06'43"  | 0.003  |
| 07/01/2011 00:00:00 | ♁ | 02°43'10" ♀ | -23°24'35" | 00°00'00"  | -00°02'07" | 0.003  |
| 07/01/2011 00:00:00 | ♌ | 28°37'04" ♀ | 04°15'59"  | 05°14'59"  | -01°23'30" | 0.003  |
| 07/01/2011 00:00:00 | X | 21°09'10" ♀ | -04°16'44" | -13°29'58" | -00°00'01" | 96.536 |
| 07/01/2011 00:00:00 | Y | 21°34'06" ♀ | 06°33'05"  | -11°59'42" | -00°00'19" | 86.738 |
| 08/01/2011 00:00:00 | ♁ | 17°20'24" ♀ | -22°18'48" | 00°00'00"  | 01°01'09"  | 0.983  |
| 08/01/2011 00:00:00 | ♂ | 28°31'22" ♁ | -07°53'49" | 04°21'23"  | 12°02'50"  | 0.003  |
| 08/01/2011 00:00:00 | ♀ | 24°12'14" ♀ | -21°23'29" | 01°55'16"  | 00°54'59"  | 0.983  |
| 08/01/2011 00:00:00 | ♀ | 00°29'05" ♀ | -16°49'56" | 03°29'39"  | 01°00'51"  | 0.669  |
| 08/01/2011 00:00:00 | ♂ | 23°48'13" ♀ | -22°20'39" | -01°01'07" | 00°46'40"  | 2.379  |
| 08/01/2011 00:00:00 | ♃ | 27°32'59" ♀ | -02°06'46" | -01°14'27" | 00°09'03"  | 5.195  |
| 08/01/2011 00:00:00 | ♃ | 16°55'45" ♁ | -04°23'45" | 02°26'26"  | 00°01'56"  | 9.529  |
| 08/01/2011 00:00:00 | ♃ | 27°07'53" ♀ | -01°48'43" | -00°43'54" | 00°01'38"  | 20.408 |
| 08/01/2011 00:00:00 | ♃ | 26°56'32" ♁ | -12°59'04" | -00°28'57" | 00°01'51"  | 30.765 |
| 08/01/2011 00:00:00 | ♃ | 05°34'53" ♀ | -18°49'33" | 04°29'53"  | 00°02'07"  | 32.918 |
| 08/01/2011 00:00:00 | ♁ | 02°40'52" ♀ | -23°24'38" | 00°00'00"  | -00°02'24" | 0.003  |
| 08/01/2011 00:00:00 | ♋ | 27°59'45" ♁ | -06°48'05" | 05°42'44"  | 00°03'21"  | 17.328 |

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|---------------------|---|-------------|------------|------------|------------|--------|
| 08/01/2011 00:00:00 | ☾ | 21°39'40" ♀ | 01°20'50"  | 05°03'47"  | 00°06'43"  | 0.003  |
| 08/01/2011 00:00:00 | ♄ | 02°40'52" ♀ | -23°24'38" | 00°00'00"  | -00°02'24" | 0.003  |
| 08/01/2011 00:00:00 | ♄ | 27°15'08" ♀ | 03°42'45"  | 05°14'12"  | -01°16'45" | 0.003  |
| 08/01/2011 00:00:00 | X | 21°09'09" ♀ | -04°16'34" | -13°29'48" | -00°00'00" | 96.553 |
| 08/01/2011 00:00:00 | Y | 21°33'47" ♀ | 06°33'07"  | -11°59'35" | -00°00'18" | 86.751 |
| 09/01/2011 00:00:00 | ☉ | 18°21'34" ♀ | -22°10'44" | 00°00'00"  | 01°01'09"  | 0.983  |
| 09/01/2011 00:00:00 | ☾ | 10°30'19" ♀ | -03°06'50" | 04°52'21"  | 11°55'34"  | 0.003  |
| 09/01/2011 00:00:00 | ♁ | 25°09'03" ♀ | -21°34'47" | 01°46'13"  | 00°58'34"  | 1.003  |
| 09/01/2011 00:00:00 | ♂ | 01°30'08" ♀ | -17°02'53" | 03°28'58"  | 01°01'15"  | 0.677  |
| 09/01/2011 00:00:00 | ♂ | 24°34'54" ♀ | -22°12'39" | -01°01'20" | 00°46'42"  | 2.379  |
| 09/01/2011 00:00:00 | ♃ | 27°42'06" ♀ | -02°02'57" | -01°14'14" | 00°09'11"  | 5.210  |
| 09/01/2011 00:00:00 | ♅ | 16°57'38" ♀ | -04°24'12" | 02°26'42"  | 00°01'50"  | 9.513  |
| 09/01/2011 00:00:00 | ♁ | 27°09'33" ♀ | -01°48'02" | -00°43'52" | 00°01'41"  | 20.424 |
| 09/01/2011 00:00:00 | ♁ | 26°58'24" ♀ | -12°58'25" | -00°28'57" | 00°01'52"  | 30.776 |
| 09/01/2011 00:00:00 | ♁ | 05°37'00" ♀ | -18°49'32" | 04°29'49"  | 00°02'07"  | 32.915 |
| 09/01/2011 00:00:00 | ♄ | 02°38'27" ♀ | -23°24'41" | 00°00'00"  | -00°02'22" | 0.003  |
| 09/01/2011 00:00:00 | ♁ | 28°03'07" ♀ | -06°47'12" | 05°42'28"  | 00°03'23"  | 17.341 |
| 09/01/2011 00:00:00 | ☾ | 21°46'23" ♀ | 01°23'37"  | 05°03'57"  | 00°06'43"  | 0.003  |
| 09/01/2011 00:00:00 | ♄ | 02°38'27" ♀ | -23°24'41" | 00°00'00"  | -00°02'22" | 0.003  |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 09/01/2011 00:00:00 | T♄ | 26°07'46" ♈ | 03°15'24"  | 05°13'28"  | -00°57'15" | 0.003  |
| 09/01/2011 00:00:00 | X  | 21°09'09" ♏ | -04°16'24" | -13°29'37" | -00°00'00" | 96.569 |
| 09/01/2011 00:00:00 | Y  | 21°33'29" ♏ | 06°33'09"  | -11°59'28" | -00°00'17" | 86.765 |
| 10/01/2011 00:00:00 | ☉  | 19°22'43" ♎ | -22°02'15" | 00°00'00"  | 01°01'09"  | 0.983  |
| 10/01/2011 00:00:00 | ☾  | 22°23'41" ♈ | 01°44'14"  | 05°10'28"  | 11°51'46"  | 0.003  |
| 10/01/2011 00:00:00 | ♀  | 26°09'14" ♈ | -21°45'52" | 01°37'04"  | 01°01'45"  | 1.022  |
| 10/01/2011 00:00:00 | ♀  | 02°31'35" ♈ | -17°15'40" | 03°28'09"  | 01°01'37"  | 0.684  |
| 10/01/2011 00:00:00 | ♂  | 25°21'37" ♎ | -22°04'23" | -01°01'32" | 00°46'44"  | 2.379  |
| 10/01/2011 00:00:00 | ♃  | 27°51'22" ♈ | -01°59'05" | -01°14'02" | 00°09'19"  | 5.225  |
| 10/01/2011 00:00:00 | ♅  | 16°59'25" ♌ | -04°24'38" | 02°26'59"  | 00°01'43"  | 9.496  |
| 10/01/2011 00:00:00 | ♁  | 27°11'16" ♈ | -01°47'19" | -00°43'50" | 00°01'44"  | 20.440 |
| 10/01/2011 00:00:00 | ♆  | 27°00'17" ♏ | -12°57'47" | -00°28'57" | 00°01'53"  | 30.786 |
| 10/01/2011 00:00:00 | ♁  | 05°39'07" ♎ | -18°49'30" | 04°29'45"  | 00°02'06"  | 32.912 |
| 10/01/2011 00:00:00 | ♁  | 02°36'14" ♎ | -23°24'43" | 00°00'00"  | -00°01'59" | 0.003  |
| 10/01/2011 00:00:00 | ♁  | 28°06'32" ♏ | -06°46'17" | 05°42'13"  | 00°03'25"  | 17.353 |
| 10/01/2011 00:00:00 | ♁  | 21°53'06" ♈ | 01°26'24"  | 05°04'06"  | 00°06'43"  | 0.003  |
| 10/01/2011 00:00:00 | T♁ | 02°36'14" ♎ | -23°24'43" | 00°00'00"  | -00°01'59" | 0.003  |
| 10/01/2011 00:00:00 | T♄ | 25°19'40" ♈ | 02°55'51"  | 05°12'54"  | -00°40'26" | 0.003  |
| 10/01/2011 00:00:00 | X  | 21°09'09" ♏ | -04°16'15" | -13°29'26" | 00°00'00"  | 96.586 |

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|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 10/01/2011 00:00:00 | Y | 21°33'12" ♃ | 06°33'12"  | -11°59'21" | -00°00'17" | 86.778 |
| 11/01/2011 00:00:00 | ☉ | 20°23'52" ♉ | -21°53'20" | 00°00'00"  | 01°01'08"  | 0.983  |
| 11/01/2011 00:00:00 | ☾ | 04°15'14" ♀ | 06°30'42"  | 05°15'17"  | 11°52'02"  | 0.003  |
| 11/01/2011 00:00:00 | ♀ | 27°12'27" ♀ | -21°56'37" | 01°27'54"  | 01°04'36"  | 1.041  |
| 11/01/2011 00:00:00 | ♀ | 03°33'24" ♀ | -17°28'17" | 03°27'11"  | 01°02'00"  | 0.692  |
| 11/01/2011 00:00:00 | ♂ | 26°08'22" ♉ | -21°55'52" | -01°01'45" | 00°46'45"  | 2.379  |
| 11/01/2011 00:00:00 | ♃ | 28°00'45" ♉ | -01°55'10" | -01°13'49" | 00°09'27"  | 5.240  |
| 11/01/2011 00:00:00 | ♄ | 17°01'06" ♃ | -04°25'00" | 02°27'16"  | 00°01'37"  | 9.480  |
| 11/01/2011 00:00:00 | ♅ | 27°13'01" ♃ | -01°46'35" | -00°43'48" | 00°01'46"  | 20.456 |
| 11/01/2011 00:00:00 | ♆ | 27°02'11" ♃ | -12°57'08" | -00°28'57" | 00°01'54"  | 30.797 |
| 11/01/2011 00:00:00 | ♇ | 05°41'14" ♉ | -18°49'29" | 04°29'41"  | 00°02'06"  | 32.908 |
| 11/01/2011 00:00:00 | ♈ | 02°34'33" ♉ | -23°24'45" | 00°00'00"  | -00°01'18" | 0.003  |
| 11/01/2011 00:00:00 | ♉ | 28°09'58" ♃ | -06°45'21" | 05°41'58"  | 00°03'27"  | 17.365 |
| 11/01/2011 00:00:00 | ♊ | 21°59'49" ♃ | 01°29'10"  | 05°04'15"  | 00°06'43"  | 0.003  |
| 11/01/2011 00:00:00 | ♋ | 02°34'33" ♉ | -23°24'45" | 00°00'00"  | -00°01'18" | 0.003  |
| 11/01/2011 00:00:00 | ♌ | 24°42'32" ♃ | 02°40'46"  | 05°12'28"  | -00°36'31" | 0.003  |
| 11/01/2011 00:00:00 | X | 21°09'10" ♀ | -04°16'04" | -13°29'16" | 00°00'01"  | 96.603 |
| 11/01/2011 00:00:00 | Y | 21°32'55" ♃ | 06°33'15"  | -11°59'14" | -00°00'16" | 86.792 |
| 12/01/2011 00:00:00 | ☉ | 21°25'01" ♉ | -21°43'59" | 00°00'00"  | 01°01'08"  | 0.983  |

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|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 12/01/2011 00:00:00 | ♃ | 16°09'16" ♃ | 11°04'01"  | 05°06'38"  | 11°56'49"  | 0.003  |
| 12/01/2011 00:00:00 | ♆ | 28°18'22" ♆ | -22°06'54" | 01°18'43"  | 01°07'10"  | 1.059  |
| 12/01/2011 00:00:00 | ♀ | 04°35'35" ♀ | -17°40'42" | 03°26'04"  | 01°02'21"  | 0.699  |
| 12/01/2011 00:00:00 | ♂ | 26°55'09" ♂ | -21°47'07" | -01°01'57" | 00°46'47"  | 2.379  |
| 12/01/2011 00:00:00 | ♃ | 28°10'16" ♃ | -01°51'11" | -01°13'37" | 00°09'35"  | 5.255  |
| 12/01/2011 00:00:00 | ♄ | 17°02'41" ♄ | -04°25'21" | 02°27'33"  | 00°01'31"  | 9.463  |
| 12/01/2011 00:00:00 | ♅ | 27°14'49" ♅ | -01°45'50" | -00°43'46" | 00°01'49"  | 20.472 |
| 12/01/2011 00:00:00 | ♆ | 27°04'06" ♆ | -12°56'28" | -00°28'57" | 00°01'55"  | 30.807 |
| 12/01/2011 00:00:00 | ♁ | 05°43'20" ♁ | -18°49'27" | 04°29'37"  | 00°02'05"  | 32.904 |
| 12/01/2011 00:00:00 | ♁ | 02°33'40" ♁ | -23°24'46" | 00°00'00"  | -00°00'26" | 0.003  |
| 12/01/2011 00:00:00 | ♁ | 28°13'27" ♁ | -06°44'25" | 05°41'43"  | 00°03'29"  | 17.376 |
| 12/01/2011 00:00:00 | ♁ | 22°06'33" ♁ | 01°31'57"  | 05°04'24"  | 00°06'43"  | 0.003  |
| 12/01/2011 00:00:00 | ♁ | 02°33'40" ♁ | -23°24'46" | 00°00'00"  | -00°00'26" | 0.003  |
| 12/01/2011 00:00:00 | ♁ | 24°00'43" ♁ | 02°23'48"  | 05°11'56"  | -00°50'10" | 0.003  |
| 12/01/2011 00:00:00 | X | 21°09'11" ♃ | -04°15'54" | -13°29'05" | 00°00'01"  | 96.620 |
| 12/01/2011 00:00:00 | Y | 21°32'38" ♂ | 06°33'18"  | -11°59'07" | -00°00'15" | 86.806 |
| 13/01/2011 00:00:00 | ♁ | 22°26'09" ♁ | -21°34'13" | 00°00'00"  | 01°01'07"  | 0.984  |
| 13/01/2011 00:00:00 | ♃ | 28°10'28" ♃ | 15°14'58"  | 04°44'34"  | 12°06'23"  | 0.003  |
| 13/01/2011 00:00:00 | ♆ | 29°26'43" ♆ | -22°16'37" | 01°09'34"  | 01°09'28"  | 1.077  |

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|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 13/01/2011 00:00:00 | ♀ | 05°38'07" ♄ | -17°52'54" | 03°24'49"  | 01°02'42"  | 0.707  |
| 13/01/2011 00:00:00 | ♂ | 27°41'58" ♄ | -21°38'07" | -01°02'08" | 00°46'49"  | 2.379  |
| 13/01/2011 00:00:00 | ♃ | 28°19'55" ♃ | -01°47'10" | -01°13'25" | 00°09'42"  | 5.269  |
| 13/01/2011 00:00:00 | ♅ | 17°04'09" ♃ | -04°25'39" | 02°27'50"  | 00°01'25"  | 9.447  |
| 13/01/2011 00:00:00 | ♁ | 27°16'40" ♃ | -01°45'04" | -00°43'43" | 00°01'52"  | 20.487 |
| 13/01/2011 00:00:00 | ♃ | 27°06'03" ♃ | -12°55'48" | -00°28'57" | 00°01'57"  | 30.817 |
| 13/01/2011 00:00:00 | ♁ | 05°45'26" ♄ | -18°49'25" | 04°29'34"  | 00°02'05"  | 32.900 |
| 13/01/2011 00:00:00 | ♁ | 02°33'42" ♄ | -23°24'46" | 00°00'00"  | 00°00'28"  | 0.003  |
| 13/01/2011 00:00:00 | ♁ | 28°16'57" ♃ | -06°43'27" | 05°41'28"  | 00°03'31"  | 17.388 |
| 13/01/2011 00:00:00 | ♁ | 22°13'16" ♃ | 01°34'43"  | 05°04'33"  | 00°06'43"  | 0.003  |
| 13/01/2011 00:00:00 | ♁ | 02°33'42" ♄ | -23°24'46" | 00°00'00"  | 00°00'28"  | 0.003  |
| 13/01/2011 00:00:00 | ♁ | 22°56'15" ♃ | 01°57'33"  | 05°11'00"  | -01°21'28" | 0.003  |
| 13/01/2011 00:00:00 | X | 21°09'14" ♃ | -04°15'43" | -13°28'55" | 00°00'02"  | 96.637 |
| 13/01/2011 00:00:00 | Y | 21°32'23" ♃ | 06°33'21"  | -11°58'59" | -00°00'15" | 86.820 |
| 14/01/2011 00:00:00 | ♁ | 23°27'16" ♄ | -21°24'02" | 00°00'00"  | 01°01'06"  | 0.984  |
| 14/01/2011 00:00:00 | ♁ | 10°23'37" ♃ | 18°52'47"  | 04°09'24"  | 12°20'41"  | 0.003  |
| 14/01/2011 00:00:00 | ♁ | 00°37'14" ♄ | -22°25'42" | 01°00'28"  | 01°11'32"  | 1.095  |
| 14/01/2011 00:00:00 | ♀ | 06°40'59" ♄ | -18°04'52" | 03°23'26"  | 01°03'02"  | 0.715  |
| 14/01/2011 00:00:00 | ♂ | 28°28'48" ♄ | -21°28'52" | -01°02'19" | 00°46'51"  | 2.379  |

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|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 14/01/2011 00:00:00 | ♃  | 28°29'42" ♈ | -01°43'06" | -01°13'13" | 00°09'50"  | 5.284  |
| 14/01/2011 00:00:00 | ♅  | 17°05'31" ♌ | -04°25'54" | 02°28'07"  | 00°01'18"  | 9.430  |
| 14/01/2011 00:00:00 | ♈  | 27°18'33" ♈ | -01°44'17" | -00°43'41" | 00°01'54"  | 20.503 |
| 14/01/2011 00:00:00 | ♆  | 27°08'01" ♎ | -12°55'08" | -00°28'57" | 00°01'58"  | 30.827 |
| 14/01/2011 00:00:00 | ♁  | 05°47'31" ♋ | -18°49'23" | 04°29'30"  | 00°02'04"  | 32.895 |
| 14/01/2011 00:00:00 | ♋  | 02°34'34" ♋ | -23°24'45" | 00°00'00"  | 00°01'13"  | 0.003  |
| 14/01/2011 00:00:00 | ♆  | 28°20'29" ♎ | -06°42'29" | 05°41'14"  | 00°03'33"  | 17.399 |
| 14/01/2011 00:00:00 | ♁  | 22°19'59" ♋ | 01°37'30"  | 05°04'41"  | 00°06'43"  | 0.003  |
| 14/01/2011 00:00:00 | ♋♌ | 02°34'34" ♋ | -23°24'45" | 00°00'00"  | 00°01'13"  | 0.003  |
| 14/01/2011 00:00:00 | ♁♃ | 21°13'27" ♈ | 01°15'34"  | 05°09'14"  | -02°05'31" | 0.003  |
| 14/01/2011 00:00:00 | X  | 21°09'17" ♈ | -04°15'32" | -13°28'44" | 00°00'03"  | 96.654 |
| 14/01/2011 00:00:00 | Y  | 21°32'08" ♈ | 06°33'25"  | -11°58'52" | -00°00'14" | 86.834 |
| 15/01/2011 00:00:00 | ♁  | 24°28'23" ♋ | -21°13'26" | 00°00'00"  | 01°01'06"  | 0.984  |
| 15/01/2011 00:00:00 | ♁  | 22°53'20" ♋ | 21°44'39"  | 03°21'45"  | 12°39'23"  | 0.003  |
| 15/01/2011 00:00:00 | ♆  | 01°49'43" ♎ | -22°34'03" | 00°51'27"  | 01°13'24"  | 1.112  |
| 15/01/2011 00:00:00 | ♆  | 07°44'11" ♎ | -18°16'36" | 03°21'55"  | 01°03'21"  | 0.722  |
| 15/01/2011 00:00:00 | ♁  | 29°15'40" ♋ | -21°19'22" | -01°02'30" | 00°46'52"  | 2.379  |
| 15/01/2011 00:00:00 | ♃  | 28°39'36" ♈ | -01°38'59" | -01°13'02" | 00°09'57"  | 5.298  |
| 15/01/2011 00:00:00 | ♅  | 17°06'46" ♌ | -04°26'07" | 02°28'24"  | 00°01'12"  | 9.414  |

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|                     |   |             |             |            |            |        |
|---------------------|---|-------------|-------------|------------|------------|--------|
| 15/01/2011 00:00:00 | ♃ | 27°20'29" ♃ | -01°43'29"  | -00°43'39" | 00°01'57"  | 20.519 |
| 15/01/2011 00:00:00 | ♃ | 27°09'59" ♃ | -12°54'27"  | -00°28'57" | 00°01'59"  | 30.836 |
| 15/01/2011 00:00:00 | ♃ | 05°49'35" ♃ | -18°49'21"  | 04°29'27"  | 00°02'04"  | 32.890 |
| 15/01/2011 00:00:00 | ♃ | 02°36'02" ♃ | -23°24'44"  | 00°00'00"  | 00°01'38"  | 0.003  |
| 15/01/2011 00:00:00 | ♃ | 28°24'03" ♃ | -06°41'29"  | 05°41'00"  | 00°03'35"  | 17.410 |
| 15/01/2011 00:00:00 | ♃ | 22°26'43" ♃ | 01°40'16"   | 05°04'50"  | 00°06'43"  | 0.003  |
| 15/01/2011 00:00:00 | ♃ | 02°36'02" ♃ | -23°24'44"  | 00°00'00"  | 00°01'38"  | 0.003  |
| 15/01/2011 00:00:00 | ♃ | 18°44'29" ♃ | 00°14'35"   | 05°06'07"  | -02°51'29" | 0.003  |
| 15/01/2011 00:00:00 | X | 21°09'21" ♃ | -04°15'21"  | -13°28'34" | 00°00'04"  | 96.670 |
| 15/01/2011 00:00:00 | Y | 21°31'54" ♃ | 06°33'29"   | -11°58'44" | -00°00'13" | 86.848 |
| 16/01/2011 00:00:00 | ♃ | 25°29'29" ♃ | -21°02'26"  | 00°00'00"  | 01°01'05"  | 0.984  |
| 16/01/2011 00:00:00 | ♃ | 05°43'36" ♃ | 23°36'09" ♃ | 02°22'50"  | 13°01'39"  | 0.003  |
| 16/01/2011 00:00:00 | ♃ | 03°03'59" ♃ | -22°41'35"  | 00°42'33"  | 01°15'05"  | 1.128  |
| 16/01/2011 00:00:00 | ♃ | 08°47'41" ♃ | -18°28'04"  | 03°20'16"  | 01°03'40"  | 0.730  |
| 16/01/2011 00:00:00 | ♃ | 00°02'33" ♃ | -21°09'39"  | -01°02'41" | 00°46'54"  | 2.379  |
| 16/01/2011 00:00:00 | ♃ | 28°49'37" ♃ | -01°34'49"  | -01°12'50" | 00°10'05"  | 5.312  |
| 16/01/2011 00:00:00 | ♃ | 17°07'56" ♃ | -04°26'18"  | 02°28'41"  | 00°01'06"  | 9.397  |
| 16/01/2011 00:00:00 | ♃ | 27°22'28" ♃ | -01°42'40"  | -00°43'37" | 00°01'59"  | 20.534 |
| 16/01/2011 00:00:00 | ♃ | 27°11'59" ♃ | -12°53'46"  | -00°28'57" | 00°02'00"  | 30.846 |



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|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 16/01/2011 00:00:00 | ♁ | 05°51'39" ♁ | -18°49'19" | 04°29'24"  | 00°02'03"  | 32.885 |
| 16/01/2011 00:00:00 | ♄ | 02°37'42" ♁ | -23°24'42" | 00°00'00"  | 00°01'36"  | 0.003  |
| 16/01/2011 00:00:00 | ♃ | 28°27'39" ♁ | -06°40'29" | 05°40'46"  | 00°03'36"  | 17.421 |
| 16/01/2011 00:00:00 | ♁ | 22°33'26" ♁ | 01°43'02"  | 05°04'58"  | 00°06'43"  | 0.003  |
| 16/01/2011 00:00:00 | ♄ | 02°37'42" ♁ | -23°24'42" | 00°00'00"  | 00°01'36"  | 0.003  |
| 16/01/2011 00:00:00 | ♁ | 15°35'03" ♁ | -01°03'04" | 05°01'14"  | -03°23'47" | 0.003  |
| 16/01/2011 00:00:00 | X | 21°09'25" ♁ | -04°15'10" | -13°28'23" | 00°00'04"  | 96.687 |
| 16/01/2011 00:00:00 | Y | 21°31'40" ♁ | 06°33'33"  | -11°58'37" | -00°00'13" | 86.863 |
| 17/01/2011 00:00:00 | ♁ | 26°30'34" ♁ | -20°51'02" | 00°00'00"  | 01°01'05"  | 0.984  |
| 17/01/2011 00:00:00 | ♁ | 18°57'25" ♁ | 24°13'09"  | 01°14'41"  | 13°26'11"  | 0.003  |
| 17/01/2011 00:00:00 | ♁ | 04°19'52" ♁ | -22°48'16" | 00°33'45"  | 01°16'38"  | 1.144  |
| 17/01/2011 00:00:00 | ♁ | 09°51'31" ♁ | -18°39'15" | 03°18'30"  | 01°03'58"  | 0.738  |
| 17/01/2011 00:00:00 | ♁ | 00°49'28" ♁ | -20°59'41" | -01°02'51" | 00°46'55"  | 2.379  |
| 17/01/2011 00:00:00 | ♁ | 28°59'46" ♁ | -01°30'36" | -01°12'39" | 00°10'12"  | 5.326  |
| 17/01/2011 00:00:00 | ♁ | 17°08'58" ♁ | -04°26'26" | 02°28'58"  | 00°00'59"  | 9.381  |
| 17/01/2011 00:00:00 | ♁ | 27°24'29" ♁ | -01°41'50" | -00°43'35" | 00°02'02"  | 20.549 |
| 17/01/2011 00:00:00 | ♁ | 27°14'00" ♁ | -12°53'05" | -00°28'57" | 00°02'01"  | 30.855 |
| 17/01/2011 00:00:00 | ♁ | 05°53'43" ♁ | -18°49'17" | 04°29'21"  | 00°02'03"  | 32.880 |
| 17/01/2011 00:00:00 | ♄ | 02°39'04" ♁ | -23°24'40" | 00°00'00"  | 00°01'02"  | 0.003  |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 17/01/2011 00:00:00 | ♁ | 28°31'17" ♁ | -06°39'28" | 05°40'33"  | 00°03'38"  | 17.431 |
| 17/01/2011 00:00:00 | ♁ | 22°40'10" ♁ | 01°45'48"  | 05°05'06"  | 00°06'43"  | 0.003  |
| 17/01/2011 00:00:00 | ♁ | 02°39'04" ♁ | -23°24'40" | 00°00'00"  | 00°01'02"  | 0.003  |
| 17/01/2011 00:00:00 | ♁ | 12°06'03" ♁ | -02°28'39" | 04°54'45"  | -03°29'05" | 0.003  |
| 17/01/2011 00:00:00 | X | 21°09'30" ♁ | -04°14'58" | -13°28'12" | 00°00'05"  | 96.704 |
| 17/01/2011 00:00:00 | Y | 21°31'27" ♁ | 06°33'37"  | -11°58'29" | -00°00'12" | 86.877 |
| 18/01/2011 00:00:00 | ♁ | 27°31'39" ♁ | -20°39'14" | 00°00'00"  | 01°01'04"  | 0.984  |
| 18/01/2011 00:00:00 | ♁ | 02°36'09" ♁ | 23°25'02"  | 00°00'19"  | 13°51'08"  | 0.003  |
| 18/01/2011 00:00:00 | ♁ | 05°37'14" ♁ | -22°54'01" | 00°25'06"  | 01°18'03"  | 1.159  |
| 18/01/2011 00:00:00 | ♁ | 10°55'38" ♁ | -18°50'09" | 03°16'36"  | 01°04'15"  | 0.745  |
| 18/01/2011 00:00:00 | ♁ | 01°36'25" ♁ | -20°49'29" | -01°03'00" | 00°46'57"  | 2.379  |
| 18/01/2011 00:00:00 | ♁ | 29°10'02" ♁ | -01°26'21" | -01°12'27" | 00°10'19"  | 5.340  |
| 18/01/2011 00:00:00 | ♁ | 17°09'55" ♁ | -04°26'32" | 02°29'15"  | 00°00'53"  | 9.364  |
| 18/01/2011 00:00:00 | ♁ | 27°26'33" ♁ | -01°40'59" | -00°43'33" | 00°02'04"  | 20.564 |
| 18/01/2011 00:00:00 | ♁ | 27°16'02" ♁ | -12°52'23" | -00°28'57" | 00°02'02"  | 30.864 |
| 18/01/2011 00:00:00 | ♁ | 05°55'46" ♁ | -18°49'14" | 04°29'18"  | 00°02'02"  | 32.874 |
| 18/01/2011 00:00:00 | ♁ | 02°39'37" ♁ | -23°24'39" | 00°00'00"  | 00°00'00"  | 0.003  |
| 18/01/2011 00:00:00 | ♁ | 28°34'56" ♁ | -06°38'26" | 05°40'19"  | 00°03'40"  | 17.441 |
| 18/01/2011 00:00:00 | ♁ | 22°46'53" ♁ | 01°48'34"  | 05°05'14"  | 00°06'43"  | 0.003  |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 18/01/2011 00:00:00 | T♄ | 02°39'37" ♄ | -23°24'39" | 00°00'00"  | 00°00'00"  | 0.003  |
| 18/01/2011 00:00:00 | T♄ | 08°46'32" ♄ | -03°50'01" | 04°47'28"  | -03°05'54" | 0.003  |
| 18/01/2011 00:00:00 | X  | 21°09'36" ♄ | -04°14'46" | -13°28'02" | 00°00'06"  | 96.721 |
| 18/01/2011 00:00:00 | Y  | 21°31'15" ♄ | 06°33'42"  | -11°58'21" | -00°00'11" | 86.892 |
| 19/01/2011 00:00:00 | ♁  | 28°32'43" ♄ | -20°27'02" | 00°00'00"  | 01°01'03"  | 0.984  |
| 19/01/2011 00:00:00 | ♂  | 16°39'04" ♄ | 21°08'28"  | -01°16'07" | 14°14'11"  | 0.002  |
| 19/01/2011 00:00:00 | ♀  | 06°55'56" ♄ | -22°58'48" | 00°16'35"  | 01°19'21"  | 1.174  |
| 19/01/2011 00:00:00 | ♀  | 12°00'02" ♄ | -19°00'44" | 03°14'36"  | 01°04'33"  | 0.753  |
| 19/01/2011 00:00:00 | ♂  | 02°23'23" ♄ | -20°39'03" | -01°03'10" | 00°46'58"  | 2.378  |
| 19/01/2011 00:00:00 | ♃  | 29°20'25" ♄ | -01°22'03" | -01°12'16" | 00°10'26"  | 5.354  |
| 19/01/2011 00:00:00 | ♃  | 17°10'45" ♄ | -04°26'35" | 02°29'32"  | 00°00'46"  | 9.348  |
| 19/01/2011 00:00:00 | ♃  | 27°28'39" ♄ | -01°40'07" | -00°43'31" | 00°02'07"  | 20.579 |
| 19/01/2011 00:00:00 | ♃  | 27°18'05" ♄ | -12°51'41" | -00°28'57" | 00°02'03"  | 30.872 |
| 19/01/2011 00:00:00 | ♃  | 05°57'48" ♄ | -18°49'12" | 04°29'16"  | 00°02'01"  | 32.868 |
| 19/01/2011 00:00:00 | ♁  | 02°38'59" ♄ | -23°24'40" | 00°00'00"  | -00°01'19" | 0.003  |
| 19/01/2011 00:00:00 | ♁  | 28°38'37" ♄ | -06°37'23" | 05°40'06"  | 00°03'41"  | 17.451 |
| 19/01/2011 00:00:00 | ♁  | 22°53'37" ♄ | 01°51'20"  | 05°05'22"  | 00°06'43"  | 0.003  |
| 19/01/2011 00:00:00 | T♄ | 02°38'59" ♄ | -23°24'40" | 00°00'00"  | -00°01'19" | 0.003  |
| 19/01/2011 00:00:00 | T♄ | 05°59'31" ♄ | -04°57'42" | 04°40'34"  | -02°27'04" | 0.003  |

Ephemerides year 2011

|                     |    |              |            |            |            |        |
|---------------------|----|--------------|------------|------------|------------|--------|
| 19/01/2011 00:00:00 | X  | 21°09'43" ♄  | -04°14'34" | -13°27'51" | 00°00'06"  | 96.737 |
| 19/01/2011 00:00:00 | Y  | 21°31'04" ♄r | 06°33'46"  | -11°58'13" | -00°00'11" | 86.907 |
| 20/01/2011 00:00:00 | ☉  | 29°33'46" ♄  | -20°14'28" | -00°00'00" | 01°01'03"  | 0.984  |
| 20/01/2011 00:00:00 | ☾  | 01°03'05" ♃  | 17°29'25"  | -02°29'30" | 14°32'54"  | 0.002  |
| 20/01/2011 00:00:00 | ♀  | 08°15'54" ♄  | -23°02'34" | 00°08'14"  | 01°20'33"  | 1.188  |
| 20/01/2011 00:00:00 | ♀  | 13°04'44" ♄  | -19°10'59" | 03°12'29"  | 01°04'49"  | 0.760  |
| 20/01/2011 00:00:00 | ♂  | 03°10'22" ♃  | -20°28'23" | -01°03'18" | 00°47'00"  | 2.378  |
| 20/01/2011 00:00:00 | ♃  | 29°30'55" ♃  | -01°17'42" | -01°12'05" | 00°10'33"  | 5.368  |
| 20/01/2011 00:00:00 | ♃  | 17°11'29" ♃  | -04°26'36" | 02°29'49"  | 00°00'40"  | 9.332  |
| 20/01/2011 00:00:00 | ♃  | 27°30'47" ♃  | -01°39'14" | -00°43'29" | 00°02'09"  | 20.594 |
| 20/01/2011 00:00:00 | ♃  | 27°20'09" ♃  | -12°50'59" | -00°28'58" | 00°02'04"  | 30.880 |
| 20/01/2011 00:00:00 | ♃  | 05°59'50" ♄  | -18°49'09" | 04°29'13"  | 00°02'01"  | 32.862 |
| 20/01/2011 00:00:00 | ♃  | 02°36'57" ♄r | -23°24'43" | 00°00'00"  | -00°02'42" | 0.003  |
| 20/01/2011 00:00:00 | ♃  | 28°42'20" ♃  | -06°36'19" | 05°39'54"  | 00°03'43"  | 17.461 |
| 20/01/2011 00:00:00 | ♃  | 23°00'20" ♃  | 01°54'06"  | 05°05'30"  | 00°06'43"  | 0.003  |
| 20/01/2011 00:00:00 | T♃ | 02°36'57" ♄r | -23°24'43" | 00°00'00"  | -00°02'42" | 0.003  |
| 20/01/2011 00:00:00 | T♃ | 03°51'16" ♃  | -05°49'19" | 04°34'49"  | -01°51'24" | 0.003  |
| 20/01/2011 00:00:00 | X  | 21°09'50" ♄  | -04°14'22" | -13°27'41" | 00°00'07"  | 96.754 |
| 20/01/2011 00:00:00 | Y  | 21°30'53" ♄r | 06°33'51"  | -11°58'06" | -00°00'10" | 86.922 |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 21/01/2011 00:00:00 | ☉ | 00°34'49" ♊ | -20°01'30" | -00°00'00" | 01°01'02"  | 0.984  |
| 21/01/2011 00:00:00 | ☾ | 15°42'43" ♏ | 12°42'40"  | -03°34'18" | 14°45'09"  | 0.002  |
| 21/01/2011 00:00:00 | ♀ | 09°37'02" ♎ | -23°05'16" | 00°00'04"  | 01°21'40"  | 1.202  |
| 21/01/2011 00:00:00 | ♀ | 14°09'41" ♎ | -19°20'54" | 03°10'16"  | 01°05'05"  | 0.768  |
| 21/01/2011 00:00:00 | ♂ | 03°57'23" ♊ | -20°17'30" | -01°03'27" | 00°47'01"  | 2.378  |
| 21/01/2011 00:00:00 | ♃ | 29°41'32" ♉ | -01°13'19" | -01°11'54" | 00°10'39"  | 5.382  |
| 21/01/2011 00:00:00 | ♄ | 17°12'06" ♉ | -04°26'35" | 02°30'06"  | 00°00'33"  | 9.316  |
| 21/01/2011 00:00:00 | ♅ | 27°32'58" ♉ | -01°38'20" | -00°43'27" | 00°02'12"  | 20.608 |
| 21/01/2011 00:00:00 | ♆ | 27°22'13" ♊ | -12°50'16" | -00°28'58" | 00°02'04"  | 30.888 |
| 21/01/2011 00:00:00 | ♇ | 06°01'50" ♎ | -18°49'06" | 04°29'11"  | 00°02'00"  | 32.856 |
| 21/01/2011 00:00:00 | ♈ | 02°33'39" ♎ | -23°24'46" | 00°00'00"  | -00°03'50" | 0.003  |
| 21/01/2011 00:00:00 | ♉ | 28°46'03" ♊ | -06°35'14" | 05°39'42"  | 00°03'44"  | 17.471 |
| 21/01/2011 00:00:00 | ♊ | 23°07'03" ♉ | 01°56'52"  | 05°05'38"  | 00°06'43"  | 0.003  |
| 21/01/2011 00:00:00 | ♋ | 02°33'39" ♎ | -23°24'46" | 00°00'00"  | -00°03'50" | 0.003  |
| 21/01/2011 00:00:00 | ♌ | 02°10'42" ♉ | -06°29'28" | 04°30'06"  | -01°33'22" | 0.003  |
| 21/01/2011 00:00:00 | X | 21°09'57" ♎ | -04°14'09" | -13°27'30" | 00°00'08"  | 96.771 |
| 21/01/2011 00:00:00 | Y | 21°30'43" ♎ | 06°33'57"  | -11°57'58" | -00°00'09" | 86.937 |
| 22/01/2011 00:00:00 | ☉ | 01°35'51" ♊ | -19°48'10" | -00°00'00" | 01°01'01"  | 0.984  |
| 22/01/2011 00:00:00 | ☾ | 00°30'47" ♏ | 07°08'57"  | -04°25'20" | 14°49'36"  | 0.002  |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 22/01/2011 00:00:00 | ♀  | 10°59'14" ♃ | -23°06'53" | -00°07'55" | 01°22'43"  | 1.215  |
| 22/01/2011 00:00:00 | ♀  | 15°14'55" ♃ | -19°30'28" | 03°07'56"  | 01°05'21"  | 0.775  |
| 22/01/2011 00:00:00 | ♂  | 04°44'25" ♃ | -20°06'23" | -01°03'35" | 00°47'02"  | 2.378  |
| 22/01/2011 00:00:00 | ♃  | 29°52'15" ♃ | -01°08'53" | -01°11'44" | 00°10'46"  | 5.395  |
| 22/01/2011 00:00:00 | ♃  | 17°12'37" ♃ | -04°26'31" | 02°30'23"  | 00°00'27"  | 9.299  |
| 22/01/2011 00:00:00 | ♃  | 27°35'11" ♃ | -01°37'25" | -00°43'25" | 00°02'14"  | 20.623 |
| 22/01/2011 00:00:00 | ♃  | 27°24'18" ♃ | -12°49'34" | -00°28'58" | 00°02'05"  | 30.896 |
| 22/01/2011 00:00:00 | ♃  | 06°03'50" ♃ | -18°49'03" | 04°29'08"  | 00°01'59"  | 32.849 |
| 22/01/2011 00:00:00 | ♃  | 02°29'27" ♃ | -23°24'51" | 00°00'00"  | -00°04'26" | 0.003  |
| 22/01/2011 00:00:00 | ♃  | 28°49'49" ♃ | -06°34'09" | 05°39'30"  | 00°03'45"  | 17.480 |
| 22/01/2011 00:00:00 | ♃  | 23°13'47" ♃ | 01°59'37"  | 05°05'45"  | 00°06'43"  | 0.003  |
| 22/01/2011 00:00:00 | T♃ | 02°29'27" ♃ | -23°24'51" | 00°00'00"  | -00°04'26" | 0.003  |
| 22/01/2011 00:00:00 | T♃ | 00°37'09" ♃ | -07°06'26" | 04°25'39"  | -01°37'00" | 0.003  |
| 22/01/2011 00:00:00 | X  | 21°10'06" ♃ | -04°13'56" | -13°27'20" | 00°00'08"  | 96.787 |
| 22/01/2011 00:00:00 | Y  | 21°30'33" ♃ | 06°34'02"  | -11°57'50" | -00°00'09" | 86.952 |
| 23/01/2011 00:00:00 | ♃  | 02°36'53" ♃ | -19°34'28" | -00°00'00" | 01°01'01"  | 0.984  |
| 23/01/2011 00:00:00 | ♃  | 15°19'16" ♃ | 01°11'31"  | -04°58'39" | 14°46'07"  | 0.002  |
| 23/01/2011 00:00:00 | ♀  | 12°22'27" ♃ | -23°07'22" | -00°15'43" | 01°23'42"  | 1.228  |
| 23/01/2011 00:00:00 | ♀  | 16°20'24" ♃ | -19°39'39" | 03°05'30"  | 01°05'36"  | 0.783  |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 23/01/2011 00:00:00 | ♂  | 05°31'29" ♊ | -19°55'03" | -01°03'43" | 00°47'04"  | 2.378  |
| 23/01/2011 00:00:00 | ♃  | 00°03'04" ♏ | -01°04'25" | -01°11'33" | 00°10'52"  | 5.409  |
| 23/01/2011 00:00:00 | ♅  | 17°13'01" ♋ | -04°26'24" | 02°30'40"  | 00°00'20"  | 9.283  |
| 23/01/2011 00:00:00 | ♁  | 27°37'27" ♉ | -01°36'30" | -00°43'23" | 00°02'16"  | 20.637 |
| 23/01/2011 00:00:00 | ♃  | 27°26'24" ♊ | -12°48'50" | -00°28'58" | 00°02'06"  | 30.904 |
| 23/01/2011 00:00:00 | ♁  | 06°05'49" ♋ | -18°49'00" | 04°29'06"  | 00°01'58"  | 32.842 |
| 23/01/2011 00:00:00 | ♁  | 02°24'59" ♋ | -23°24'56" | 00°00'00"  | -00°04'22" | 0.003  |
| 23/01/2011 00:00:00 | ♃  | 28°53'35" ♊ | -06°33'02" | 05°39'18"  | 00°03'47"  | 17.489 |
| 23/01/2011 00:00:00 | ♁  | 23°20'30" ♉ | 02°02'23"  | 05°05'52"  | 00°06'43"  | 0.003  |
| 23/01/2011 00:00:00 | T♁ | 02°24'59" ♋ | -23°24'56" | 00°00'00"  | -00°04'22" | 0.003  |
| 23/01/2011 00:00:00 | T♃ | 28°52'22" ♊ | -07°47'24" | 04°20'34"  | -01°53'10" | 0.003  |
| 23/01/2011 00:00:00 | X  | 21°10'15" ♏ | -04°13'44" | -13°27'10" | 00°00'09"  | 96.804 |
| 23/01/2011 00:00:00 | Y  | 21°30'24" ♏ | 06°34'08"  | -11°57'42" | -00°00'08" | 86.967 |
| 24/01/2011 00:00:00 | ♁  | 03°37'54" ♊ | -19°20'25" | -00°00'00" | 01°01'00"  | 0.984  |
| 24/01/2011 00:00:00 | ♃  | 00°00'44" ♋ | -04°46'33" | -05°12'03" | 14°35'47"  | 0.002  |
| 24/01/2011 00:00:00 | ♁  | 13°46'37" ♋ | -23°06'42" | -00°23'19" | 01°24'38"  | 1.240  |
| 24/01/2011 00:00:00 | ♀  | 17°26'07" ♉ | -19°48'27" | 03°02'59"  | 01°05'50"  | 0.791  |
| 24/01/2011 00:00:00 | ♂  | 06°18'34" ♊ | -19°43'29" | -01°03'50" | 00°47'05"  | 2.378  |
| 24/01/2011 00:00:00 | ♃  | 00°14'01" ♏ | -00°59'55" | -01°11'22" | 00°10'59"  | 5.422  |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 24/01/2011 00:00:00 | ♃ | 17°13'19" ♀ | -04°26'15" | 02°30'57"  | 00°00'14"  | 9.267  |
| 24/01/2011 00:00:00 | ♃ | 27°39'44" ♀ | -01°35'33" | -00°43'21" | 00°02'18"  | 20.651 |
| 24/01/2011 00:00:00 | ♃ | 27°28'31" ♀ | -12°48'07" | -00°28'58" | 00°02'07"  | 30.911 |
| 24/01/2011 00:00:00 | ♃ | 06°07'48" ♀ | -18°48'57" | 04°29'04"  | 00°01'57"  | 32.835 |
| 24/01/2011 00:00:00 | ♃ | 02°20'57" ♀ | -23°25'01" | 00°00'00"  | -00°03'36" | 0.003  |
| 24/01/2011 00:00:00 | ♃ | 28°57'23" ♀ | -06°31'55" | 05°39'07"  | 00°03'48"  | 17.498 |
| 24/01/2011 00:00:00 | ♃ | 23°27'13" ♀ | 02°05'08"  | 05°06'00"  | 00°06'43"  | 0.003  |
| 24/01/2011 00:00:00 | ♃ | 02°20'57" ♀ | -23°25'01" | 00°00'00"  | -00°03'36" | 0.003  |
| 24/01/2011 00:00:00 | ♃ | 26°53'48" ♀ | -08°33'13" | 04°14'39"  | -02°00'14" | 0.003  |
| 24/01/2011 00:00:00 | X | 21°10'24" ♀ | -04°13'30" | -13°26'59" | 00°00'09"  | 96.820 |
| 24/01/2011 00:00:00 | Y | 21°30'16" ♀ | 06°34'13"  | -11°57'34" | -00°00'07" | 86.982 |
| 25/01/2011 00:00:00 | ♃ | 04°38'54" ♀ | -19°05'59" | -00°00'00" | 01°01'00"  | 0.984  |
| 25/01/2011 00:00:00 | ♃ | 14°29'12" ♀ | -10°23'54" | -05°05'20" | 14°20'30"  | 0.002  |
| 25/01/2011 00:00:00 | ♃ | 15°11'42" ♀ | -23°04'51" | -00°30'43" | 01°25'31"  | 1.252  |
| 25/01/2011 00:00:00 | ♃ | 18°32'05" ♀ | -19°56'52" | 03°00'22"  | 01°06'04"  | 0.798  |
| 25/01/2011 00:00:00 | ♃ | 07°05'40" ♀ | -19°31'43" | -01°03'57" | 00°47'07"  | 2.377  |
| 25/01/2011 00:00:00 | ♃ | 00°25'03" ♀ | -00°55'21" | -01°11'12" | 00°11'05"  | 5.435  |
| 25/01/2011 00:00:00 | ♃ | 17°13'30" ♀ | -04°26'04" | 02°31'14"  | 00°00'08"  | 9.252  |
| 25/01/2011 00:00:00 | ♃ | 27°42'05" ♀ | -01°34'36" | -00°43'19" | 00°02'21"  | 20.665 |



Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 25/01/2011 00:00:00 | ♁ | 27°30'39" ♁ | -12°47'23" | -00°28'59" | 00°02'08"  | 30.918 |
| 25/01/2011 00:00:00 | ♁ | 06°09'45" ♁ | -18°48'54" | 04°29'02"  | 00°01'57"  | 32.827 |
| 25/01/2011 00:00:00 | ♁ | 02°17'57" ♁ | -23°25'04" | 00°00'00"  | -00°02'18" | 0.003  |
| 25/01/2011 00:00:00 | ♁ | 29°01'13" ♁ | -06°30'47" | 05°38'55"  | 00°03'50"  | 17.506 |
| 25/01/2011 00:00:00 | ♁ | 23°33'57" ♁ | 02°07'53"  | 05°06'07"  | 00°06'43"  | 0.003  |
| 25/01/2011 00:00:00 | ♁ | 02°17'57" ♁ | -23°25'04" | 00°00'00"  | -00°02'18" | 0.003  |
| 25/01/2011 00:00:00 | ♁ | 25°03'19" ♁ | -09°15'24" | 04°08'53"  | -01°33'32" | 0.003  |
| 25/01/2011 00:00:00 | X | 21°10'34" ♁ | -04°13'17" | -13°26'49" | 00°00'10"  | 96.837 |
| 25/01/2011 00:00:00 | Y | 21°30'09" ♁ | 06°34'19"  | -11°57'26" | -00°00'07" | 86.998 |
| 26/01/2011 00:00:00 | ♁ | 05°39'54" ♁ | -18°51'13" | -00°00'00" | 01°00'59"  | 0.985  |
| 26/01/2011 00:00:00 | ♁ | 28°40'50" ♁ | -15°21'38" | -04°39'56" | 14°02'29"  | 0.002  |
| 26/01/2011 00:00:00 | ♁ | 16°37'40" ♁ | -23°01'47" | -00°37'53" | 01°26'22"  | 1.264  |
| 26/01/2011 00:00:00 | ♁ | 19°38'17" ♁ | -20°04'51" | 02°57'39"  | 01°06'18"  | 0.806  |
| 26/01/2011 00:00:00 | ♁ | 07°52'48" ♁ | -19°19'43" | -01°04'03" | 00°47'08"  | 2.377  |
| 26/01/2011 00:00:00 | ♁ | 00°36'12" ♁ | -00°50'46" | -01°11'02" | 00°11'12"  | 5.449  |
| 26/01/2011 00:00:00 | ♁ | 17°13'35" ♁ | -04°25'50" | 02°31'31"  | 00°00'01"  | 9.236  |
| 26/01/2011 00:00:00 | ♁ | 27°44'27" ♁ | -01°33'37" | -00°43'17" | 00°02'23"  | 20.679 |
| 26/01/2011 00:00:00 | ♁ | 27°32'47" ♁ | -12°46'39" | -00°28'59" | 00°02'08"  | 30.924 |
| 26/01/2011 00:00:00 | ♁ | 06°11'42" ♁ | -18°48'50" | 04°29'00"  | 00°01'56"  | 32.820 |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 26/01/2011 00:00:00 | ♏ | 02°16'24" ♁ | -23°25'05" | 00°00'00"  | -00°00'47" | 0.003  |
| 26/01/2011 00:00:00 | ♋ | 29°05'03" ♁ | -06°29'38" | 05°38'45"  | 00°03'51"  | 17.514 |
| 26/01/2011 00:00:00 | ♌ | 23°40'40" ♁ | 02°10'38"  | 05°06'13"  | 00°06'43"  | 0.003  |
| 26/01/2011 00:00:00 | ♏ | 02°16'24" ♁ | -23°25'05" | 00°00'00"  | -00°00'47" | 0.003  |
| 26/01/2011 00:00:00 | ♌ | 24°01'40" ♁ | -09°38'43" | 04°05'35"  | -00°22'53" | 0.003  |
| 26/01/2011 00:00:00 | X | 21°10'45" ♁ | -04°13'04" | -13°26'38" | 00°00'11"  | 96.853 |
| 26/01/2011 00:00:00 | Y | 21°30'02" ♁ | 06°34'26"  | -11°57'17" | -00°00'06" | 87.013 |
| 27/01/2011 00:00:00 | ♁ | 06°40'54" ♁ | -18°36'05" | -00°00'00" | 01°00'59"  | 0.985  |
| 27/01/2011 00:00:00 | ♃ | 12°33'56" ♁ | -19°23'29" | -03°58'32" | 13°43'44"  | 0.003  |
| 27/01/2011 00:00:00 | ♌ | 18°04'27" ♁ | -22°57'30" | -00°44'51" | 01°27'12"  | 1.274  |
| 27/01/2011 00:00:00 | ♍ | 20°44'42" ♁ | -20°12'26" | 02°54'52"  | 01°06'31"  | 0.813  |
| 27/01/2011 00:00:00 | ♎ | 08°39'57" ♁ | -19°07'31" | -01°04'09" | 00°47'09"  | 2.377  |
| 27/01/2011 00:00:00 | ♏ | 00°47'27" ♁ | -00°46'08" | -01°10'52" | 00°11'18"  | 5.462  |
| 27/01/2011 00:00:00 | ♐ | 17°13'33" ♁ | -04°25'34" | 02°31'48"  | -00°00'04" | 9.220  |
| 27/01/2011 00:00:00 | ♑ | 27°46'51" ♁ | -01°32'38" | -00°43'16" | 00°02'25"  | 20.692 |
| 27/01/2011 00:00:00 | ♒ | 27°34'57" ♁ | -12°45'55" | -00°28'59" | 00°02'09"  | 30.931 |
| 27/01/2011 00:00:00 | ♓ | 06°13'38" ♁ | -18°48'46" | 04°28'59"  | 00°01'55"  | 32.812 |
| 27/01/2011 00:00:00 | ♏ | 02°16'19" ♁ | -23°25'05" | 00°00'00"  | 00°00'34"  | 0.003  |
| 27/01/2011 00:00:00 | ♋ | 29°08'55" ♁ | -06°28'29" | 05°38'34"  | 00°03'52"  | 17.522 |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 27/01/2011 00:00:00 | ☾ | 23°47'23" ♀ | 02°13'24"  | 05°06'20"  | 00°06'43"  | 0.003  |
| 27/01/2011 00:00:00 | ♄ | 02°16'19" ♀ | -23°25'05" | 00°00'00"  | 00°00'34"  | 0.003  |
| 27/01/2011 00:00:00 | ♄ | 24°27'56" ♀ | -09°28'45" | 04°07'04"  | 01°18'31"  | 0.003  |
| 27/01/2011 00:00:00 | X | 21°10'57" ♀ | -04°12'50" | -13°26'28" | 00°00'11"  | 96.869 |
| 27/01/2011 00:00:00 | Y | 21°29'56" ♂ | 06°34'32"  | -11°57'09" | -00°00'05" | 87.029 |
| 28/01/2011 00:00:00 | ☉ | 07°41'53" ♀ | -18°20'38" | -00°00'00" | 01°00'58"  | 0.985  |
| 28/01/2011 00:00:00 | ♃ | 26°08'35" ♀ | -22°16'31" | -03°04'32" | 13°25'45"  | 0.003  |
| 28/01/2011 00:00:00 | ♀ | 19°32'03" ♀ | -22°51'58" | -00°51'34" | 01°27'59"  | 1.285  |
| 28/01/2011 00:00:00 | ♀ | 21°51'20" ♀ | -20°19'34" | 02°51'59"  | 01°06'44"  | 0.821  |
| 28/01/2011 00:00:00 | ♂ | 09°27'08" ♀ | -18°55'06" | -01°04'15" | 00°47'11"  | 2.377  |
| 28/01/2011 00:00:00 | ♃ | 00°58'49" ♀ | -00°41'28" | -01°10'42" | 00°11'24"  | 5.474  |
| 28/01/2011 00:00:00 | ♃ | 17°13'25" ♀ | -04°25'15" | 02°32'05"  | -00°00'11" | 9.204  |
| 28/01/2011 00:00:00 | ♃ | 27°49'18" ♀ | -01°31'38" | -00°43'14" | 00°02'27"  | 20.706 |
| 28/01/2011 00:00:00 | ♃ | 27°37'07" ♀ | -12°45'11" | -00°28'59" | 00°02'10"  | 30.937 |
| 28/01/2011 00:00:00 | ♃ | 06°15'33" ♀ | -18°48'43" | 04°28'57"  | 00°01'54"  | 32.803 |
| 28/01/2011 00:00:00 | ♄ | 02°17'24" ♀ | -23°25'04" | 00°00'00"  | 00°01'28"  | 0.003  |
| 28/01/2011 00:00:00 | ♃ | 29°12'49" ♀ | -06°27'19" | 05°38'24"  | 00°03'53"  | 17.530 |
| 28/01/2011 00:00:00 | ☾ | 23°54'07" ♀ | 02°16'09"  | 05°06'27"  | 00°06'43"  | 0.003  |
| 28/01/2011 00:00:00 | ♄ | 02°17'24" ♀ | -23°25'04" | 00°00'00"  | 00°01'28"  | 0.003  |

Ephemerides year 2011

|                     |    |              |            |            |            |        |
|---------------------|----|--------------|------------|------------|------------|--------|
| 28/01/2011 00:00:00 | T♄ | 26°40'20" ♁  | -08°38'15" | 04°14'05"  | 03°04'55"  | 0.003  |
| 28/01/2011 00:00:00 | X  | 21°11'09" ♃  | -04°12'36" | -13°26'18" | 00°00'12"  | 96.886 |
| 28/01/2011 00:00:00 | Y  | 21°29'51" ♂♁ | 06°34'39"  | -11°57'01" | -00°00'04" | 87.044 |
| 29/01/2011 00:00:00 | ☉  | 08°42'52" ♁  | -18°04'50" | -00°00'00" | 01°00'58"  | 0.985  |
| 29/01/2011 00:00:00 | ☾  | 09°26'00" ♀  | -23°52'02" | -02°01'36" | 13°09'24"  | 0.003  |
| 29/01/2011 00:00:00 | ♀  | 21°00'27" ♀  | -22°45'11" | -00°58'04" | 01°28'46"  | 1.295  |
| 29/01/2011 00:00:00 | ♀  | 22°58'10" ♀  | -20°26'16" | 02°49'02"  | 01°06'56"  | 0.828  |
| 29/01/2011 00:00:00 | ♂  | 10°14'20" ♁  | -18°42'28" | -01°04'20" | 00°47'12"  | 2.377  |
| 29/01/2011 00:00:00 | ♃  | 01°10'16" ♃  | -00°36'46" | -01°10'32" | 00°11'30"  | 5.487  |
| 29/01/2011 00:00:00 | ♅  | 17°13'11" ♄  | -04°24'54" | 02°32'22"  | -00°00'17" | 9.189  |
| 29/01/2011 00:00:00 | ♁  | 27°51'47" ♁  | -01°30'37" | -00°43'12" | 00°02'30"  | 20.719 |
| 29/01/2011 00:00:00 | ♆  | 27°39'17" ♁  | -12°44'26" | -00°29'00" | 00°02'10"  | 30.943 |
| 29/01/2011 00:00:00 | ♁  | 06°17'27" ♀  | -18°48'39" | 04°28'56"  | 00°01'53"  | 32.795 |
| 29/01/2011 00:00:00 | ♁  | 02°19'02" ♀  | -23°25'03" | 00°00'00"  | 00°01'38"  | 0.003  |
| 29/01/2011 00:00:00 | ♁  | 29°16'43" ♁  | -06°26'08" | 05°38'14"  | 00°03'54"  | 17.538 |
| 29/01/2011 00:00:00 | ♁  | 24°00'50" ♁  | 02°18'53"  | 05°06'33"  | 00°06'43"  | 0.003  |
| 29/01/2011 00:00:00 | T♁ | 02°19'02" ♀  | -23°25'03" | 00°00'00"  | 00°01'38"  | 0.003  |
| 29/01/2011 00:00:00 | T♄ | 00°31'26" ♁  | -07°08'40" | 04°25'24"  | 04°32'33"  | 0.003  |
| 29/01/2011 00:00:00 | X  | 21°11'22" ♃  | -04°12'22" | -13°26'08" | 00°00'13"  | 96.902 |

Ephemerides year 2011

|                     |    |           |   |            |             |            |        |
|---------------------|----|-----------|---|------------|-------------|------------|--------|
| 29/01/2011 00:00:00 | Y  | 21°29'46" | ♄ | 06°34'46"  | -11°56'53"  | -00°00'04" | 87.060 |
| 30/01/2011 00:00:00 | ☉  | 09°43'50" | ♊ | -17°48'43" | 00°00'00"   | 01°00'57"  | 0.985  |
| 30/01/2011 00:00:00 | ☾  | 22°28'02" | ♋ | -24°06'54" | 0-00°53'34" | 12°54'59"  | 0.003  |
| 30/01/2011 00:00:00 | ♀  | 22°29'36" | ♌ | -22°37'06" | -01°04'18"  | 01°29'32"  | 1.304  |
| 30/01/2011 00:00:00 | ♀  | 24°05'12" | ♋ | -20°32'30" | 02°46'00"   | 01°07'07"  | 0.836  |
| 30/01/2011 00:00:00 | ♂  | 11°01'33" | ♊ | -18°29'39" | -01°04'25"  | 00°47'13"  | 2.376  |
| 30/01/2011 00:00:00 | ♃  | 01°21'49" | ♈ | -00°32'01" | -01°10'22"  | 00°11'36"  | 5.500  |
| 30/01/2011 00:00:00 | ♅  | 17°12'50" | ♁ | -04°24'31" | 02°32'38"   | -00°00'24" | 9.174  |
| 30/01/2011 00:00:00 | ♁  | 27°54'18" | ♈ | -01°29'35" | -00°43'10"  | 00°02'32"  | 20.732 |
| 30/01/2011 00:00:00 | ♃  | 27°41'28" | ♊ | -12°43'41" | -00°29'00"  | 00°02'11"  | 30.948 |
| 30/01/2011 00:00:00 | ♁  | 06°19'20" | ♌ | -18°48'35" | 04°28'55"   | 00°01'52"  | 32.786 |
| 30/01/2011 00:00:00 | ♁  | 02°20'25" | ♌ | -23°25'01" | 00°00'00"   | 00°01'00"  | 0.003  |
| 30/01/2011 00:00:00 | ♃  | 29°20'39" | ♊ | -06°24'56" | 05°38'05"   | 00°03'56"  | 17.545 |
| 30/01/2011 00:00:00 | ♁  | 24°07'34" | ♈ | 02°21'38"  | 05°06'39"   | 00°06'43"  | 0.003  |
| 30/01/2011 00:00:00 | T♁ | 02°20'25" | ♌ | -23°25'01" | 00°00'00"   | 00°01'00"  | 0.003  |
| 30/01/2011 00:00:00 | T♃ | 05°33'45" | ♈ | -05°09'09" | 04°38'19"   | 05°25'20"  | 0.003  |
| 30/01/2011 00:00:00 | X  | 21°11'36" | ♈ | -04°12'08" | -13°25'58"  | 00°00'13"  | 96.918 |
| 30/01/2011 00:00:00 | Y  | 21°29'42" | ♄ | 06°34'53"  | -11°56'45"  | -00°00'03" | 87.076 |
| 31/01/2011 00:00:00 | ☉  | 10°44'47" | ♊ | -17°32'16" | 00°00'00"   | 01°00'56"  | 0.985  |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 31/01/2011 00:00:00 | ♃ | 05°16'36" ♁ | -23°04'01" | 00°15'56"  | 12°42'26"  | 0.003  |
| 31/01/2011 00:00:00 | ♆ | 23°59'30" ♁ | -22°27'44" | -01°10'18" | 01°30'16"  | 1.313  |
| 31/01/2011 00:00:00 | ♀ | 25°12'26" ♂ | -20°38'16" | 02°42'53"  | 01°07'19"  | 0.843  |
| 31/01/2011 00:00:00 | ♂ | 11°48'47" ♁ | -18°16'37" | -01°04'29" | 00°47'14"  | 2.376  |
| 31/01/2011 00:00:00 | ♃ | 01°33'28" ♀ | -00°27'15" | -01°10'13" | 00°11'41"  | 5.512  |
| 31/01/2011 00:00:00 | ♄ | 17°12'23" ♃ | -04°24'05" | 02°32'55"  | -00°00'30" | 9.158  |
| 31/01/2011 00:00:00 | ♅ | 27°56'52" ♃ | -01°28'33" | -00°43'08" | 00°02'34"  | 20.745 |
| 31/01/2011 00:00:00 | ♆ | 27°43'40" ♁ | -12°42'56" | -00°29'00" | 00°02'12"  | 30.954 |
| 31/01/2011 00:00:00 | ♁ | 06°21'12" ♁ | -18°48'31" | 04°28'53"  | 00°01'51"  | 32.777 |
| 31/01/2011 00:00:00 | ♁ | 02°20'48" ♁ | -23°25'01" | 00°00'00"  | -00°00'22" | 0.003  |
| 31/01/2011 00:00:00 | ♁ | 29°24'35" ♁ | -06°23'43" | 05°37'56"  | 00°03'57"  | 17.552 |
| 31/01/2011 00:00:00 | ♁ | 24°14'17" ♃ | 02°24'23"  | 05°06'45"  | 00°06'43"  | 0.003  |
| 31/01/2011 00:00:00 | ♁ | 02°20'48" ♁ | -23°25'01" | 00°00'00"  | -00°00'22" | 0.003  |
| 31/01/2011 00:00:00 | ♁ | 11°07'42" ♃ | -02°55'00" | 04°50'00"  | 05°35'10"  | 0.003  |
| 31/01/2011 00:00:00 | X | 21°11'50" ♀ | -04°11'53" | -13°25'48" | 00°00'14"  | 96.934 |
| 31/01/2011 00:00:00 | Y | 21°29'39" ♂ | 06°35'00"  | -11°56'36" | -00°00'02" | 87.092 |
| 01/02/2011 00:00:00 | ♁ | 11°45'44" ♁ | -17°15'31" | 00°00'00"  | 01°00'55"  | 0.985  |
| 01/02/2011 00:00:00 | ♃ | 17°53'27" ♁ | -20°51'46" | 01°23'28"  | 12°31'28"  | 0.003  |
| 01/02/2011 00:00:00 | ♆ | 25°30'10" ♁ | -22°17'03" | -01°16'02" | 01°31'01"  | 1.321  |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 01/02/2011 00:00:00 | ♀  | 26°19'50" ♂ | -20°43'33" | 02°39'42"  | 01°07'29"  | 0.851  |
| 01/02/2011 00:00:00 | ♂  | 12°36'02" ♁ | -18°03'24" | -01°04'33" | 00°47'15"  | 2.376  |
| 01/02/2011 00:00:00 | ♃  | 01°45'13" ♀ | -00°22'26" | -01°10'03" | 00°11'47"  | 5.524  |
| 01/02/2011 00:00:00 | ♄  | 17°11'49" ♁ | -04°23'37" | 02°33'12"  | -00°00'36" | 9.143  |
| 01/02/2011 00:00:00 | ♅  | 27°59'27" ♃ | -01°27'30" | -00°43'07" | 00°02'36"  | 20.758 |
| 01/02/2011 00:00:00 | ♆  | 27°45'53" ♁ | -12°42'10" | -00°29'01" | 00°02'12"  | 30.959 |
| 01/02/2011 00:00:00 | ♁  | 06°23'03" ♂ | -18°48'27" | 04°28'52"  | 00°01'50"  | 32.768 |
| 01/02/2011 00:00:00 | ♂  | 02°19'30" ♂ | -23°25'02" | 00°00'00"  | -00°02'16" | 0.003  |
| 01/02/2011 00:00:00 | ♆  | 29°28'33" ♁ | -06°22'30" | 05°37'47"  | 00°03'57"  | 17.558 |
| 01/02/2011 00:00:00 | ♁  | 24°21'01" ♃ | 02°27'08"  | 05°06'51"  | 00°06'43"  | 0.003  |
| 01/02/2011 00:00:00 | T♂ | 02°19'30" ♂ | -23°25'02" | 00°00'00"  | -00°02'16" | 0.003  |
| 01/02/2011 00:00:00 | T♁ | 16°30'02" ♃ | -00°44'22" | 04°58'35"  | 05°03'12"  | 0.003  |
| 01/02/2011 00:00:00 | X  | 21°12'05" ♀ | -04°11'38" | -13°25'37" | 00°00'15"  | 96.949 |
| 01/02/2011 00:00:00 | Y  | 21°29'37" ♂ | 06°35'08"  | -11°56'28" | -00°00'01" | 87.108 |
| 02/02/2011 00:00:00 | ☉  | 12°46'39" ♁ | -16°58'28" | 00°00'00"  | 01°00'55"  | 0.985  |
| 02/02/2011 00:00:00 | ☾  | 00°19'58" ♁ | -17°42'05" | 02°25'55"  | 12°21'44"  | 0.003  |
| 02/02/2011 00:00:00 | ♆  | 27°01'33" ♂ | -22°05'04" | -01°21'31" | 01°31'45"  | 1.329  |
| 02/02/2011 00:00:00 | ♀  | 27°27'25" ♂ | -20°48'21" | 02°36'28"  | 01°07'39"  | 0.858  |
| 02/02/2011 00:00:00 | ♂  | 13°23'18" ♁ | -17°49'59" | -01°04'37" | 00°47'16"  | 2.375  |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 02/02/2011 00:00:00 | ♃  | 01°57'03" ♀ | -00°17'35" | -01°09'54" | 00°11'52"  | 5.537  |
| 02/02/2011 00:00:00 | ♅  | 17°11'09" ♀ | -04°23'06" | 02°33'28"  | -00°00'43" | 9.128  |
| 02/02/2011 00:00:00 | ♁  | 28°02'04" ♀ | -01°26'26" | -00°43'05" | 00°02'38"  | 20.770 |
| 02/02/2011 00:00:00 | ♆  | 27°48'06" ♀ | -12°41'25" | -00°29'01" | 00°02'13"  | 30.964 |
| 02/02/2011 00:00:00 | ♁  | 06°24'53" ♀ | -18°48'23" | 04°28'51"  | 00°01'49"  | 32.758 |
| 02/02/2011 00:00:00 | ♁  | 02°16'09" ♀ | -23°25'06" | 00°00'00"  | -00°04'25" | 0.003  |
| 02/02/2011 00:00:00 | ♆  | 29°32'31" ♀ | -06°21'17" | 05°37'38"  | 00°03'58"  | 17.565 |
| 02/02/2011 00:00:00 | ♁  | 24°27'44" ♀ | 02°29'52"  | 05°06'57"  | 00°06'43"  | 0.003  |
| 02/02/2011 00:00:00 | ♁♁ | 02°16'09" ♀ | -23°25'06" | 00°00'00"  | -00°04'25" | 0.003  |
| 02/02/2011 00:00:00 | ♁♁ | 21°04'05" ♀ | 01°06'47"  | 05°03'40"  | 04°01'27"  | 0.003  |
| 02/02/2011 00:00:00 | X  | 21°12'20" ♀ | -04°11'23" | -13°25'28" | 00°00'15"  | 96.965 |
| 02/02/2011 00:00:00 | Y  | 21°29'35" ♀ | 06°35'15"  | -11°56'19" | -00°00'01" | 87.124 |
| 03/02/2011 00:00:00 | ♁  | 13°47'34" ♀ | -16°41'07" | 00°00'00"  | 01°00'53"  | 0.986  |
| 03/02/2011 00:00:00 | ♁  | 12°37'17" ♀ | -13°48'28" | 03°20'38"  | 12°13'03"  | 0.003  |
| 03/02/2011 00:00:00 | ♁  | 28°33'41" ♀ | -21°51'44" | -01°26'43" | 01°32'29"  | 1.337  |
| 03/02/2011 00:00:00 | ♁  | 28°35'10" ♀ | -20°52'40" | 02°33'09"  | 01°07'49"  | 0.865  |
| 03/02/2011 00:00:00 | ♁  | 14°10'35" ♀ | -17°36'23" | -01°04'40" | 00°47'17"  | 2.375  |
| 03/02/2011 00:00:00 | ♃  | 02°08'59" ♀ | -00°12'42" | -01°09'45" | 00°11'58"  | 5.549  |
| 03/02/2011 00:00:00 | ♅  | 17°10'22" ♀ | -04°22'33" | 02°33'45"  | -00°00'49" | 9.113  |



Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 03/02/2011 00:00:00 | ♃ | 28°04'44" ♃ | -01°25'21" | -00°43'03" | 00°02'40"  | 20.782 |
| 03/02/2011 00:00:00 | ♃ | 27°50'19" ♃ | -12°40'39" | -00°29'01" | 00°02'13"  | 30.968 |
| 03/02/2011 00:00:00 | ♃ | 06°26'42" ♃ | -18°48'18" | 04°28'51"  | 00°01'48"  | 32.749 |
| 03/02/2011 00:00:00 | ♃ | 02°10'41" ♃ | -23°25'11" | 00°00'00"  | -00°06'28" | 0.003  |
| 03/02/2011 00:00:00 | ♃ | 29°36'30" ♃ | -06°20'02" | 05°37'30"  | 00°03'59"  | 17.571 |
| 03/02/2011 00:00:00 | ♃ | 24°34'28" ♃ | 02°32'37"  | 05°07'02"  | 00°06'43"  | 0.003  |
| 03/02/2011 00:00:00 | ♃ | 02°10'41" ♃ | -23°25'11" | 00°00'00"  | -00°06'28" | 0.003  |
| 03/02/2011 00:00:00 | ♃ | 24°29'45" ♃ | 02°29'51"  | 05°06'03"  | 02°50'08"  | 0.003  |
| 03/02/2011 00:00:00 | X | 21°12'36" ♃ | -04°11'08" | -13°25'18" | 00°00'16"  | 96.981 |
| 03/02/2011 00:00:00 | Y | 21°29'34" ♃ | 06°35'23"  | -11°56'11" | -00°00'00" | 87.140 |
| 04/02/2011 00:00:00 | ♃ | 14°48'27" ♃ | -16°23'28" | 00°00'00"  | 01°00'52"  | 0.986  |
| 04/02/2011 00:00:00 | ♃ | 24°46'24" ♃ | -09°24'13" | 04°05'27"  | 12°05'20"  | 0.003  |
| 04/02/2011 00:00:00 | ♃ | 00°06'32" ♃ | -21°37'05" | -01°31'38" | 01°33'13"  | 1.344  |
| 04/02/2011 00:00:00 | ♃ | 29°43'05" ♃ | -20°56'28" | 02°29'47"  | 01°07'59"  | 0.873  |
| 04/02/2011 00:00:00 | ♃ | 14°57'53" ♃ | -17°22'35" | -01°04'43" | 00°47'18"  | 2.375  |
| 04/02/2011 00:00:00 | ♃ | 02°21'00" ♃ | -00°07'48" | -01°09'36" | 00°12'03"  | 5.560  |
| 04/02/2011 00:00:00 | ♃ | 17°09'29" ♃ | -04°21'58" | 02°34'01"  | -00°00'56" | 9.098  |
| 04/02/2011 00:00:00 | ♃ | 28°07'25" ♃ | -01°24'15" | -00°43'02" | 00°02'42"  | 20.794 |
| 04/02/2011 00:00:00 | ♃ | 27°52'33" ♃ | -12°39'53" | -00°29'02" | 00°02'13"  | 30.972 |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 04/02/2011 00:00:00 | ♁ | 06°28'30" ♁ | -18°48'14" | 04°28'50"  | 00°01'47"  | 32.739 |
| 04/02/2011 00:00:00 | ♁ | 02°03'21" ♁ | -23°25'18" | 00°00'00"  | -00°08'04" | 0.003  |
| 04/02/2011 00:00:00 | ♁ | 29°40'30" ♁ | -06°18'47" | 05°37'22"  | 00°04'00"  | 17.577 |
| 04/02/2011 00:00:00 | ♁ | 24°41'11" ♁ | 02°35'21"  | 05°07'08"  | 00°06'43"  | 0.003  |
| 04/02/2011 00:00:00 | ♁ | 02°03'21" ♁ | -23°25'18" | 00°00'00"  | -00°08'04" | 0.003  |
| 04/02/2011 00:00:00 | ♁ | 26°48'10" ♁ | 03°25'23"  | 05°06'55"  | 01°49'55"  | 0.003  |
| 04/02/2011 00:00:00 | X | 21°12'53" ♁ | -04°10'53" | -13°25'08" | 00°00'16"  | 96.996 |
| 04/02/2011 00:00:00 | Y | 21°29'34" ♁ | 06°35'31"  | -11°56'03" | 00°00'00"  | 87.156 |
| 05/02/2011 00:00:00 | ♁ | 15°49'19" ♁ | -16°05'32" | 00°00'00"  | 01°00'51"  | 0.986  |
| 05/02/2011 00:00:00 | ♁ | 06°48'21" ♁ | -04°41'33" | 04°38'47"  | 11°58'47"  | 0.003  |
| 05/02/2011 00:00:00 | ♁ | 01°40'08" ♁ | -21°21'04" | -01°36'16" | 01°33'58"  | 1.351  |
| 05/02/2011 00:00:00 | ♁ | 00°51'09" ♁ | -20°59'45" | 02°26'21"  | 01°08'08"  | 0.880  |
| 05/02/2011 00:00:00 | ♁ | 15°45'11" ♁ | -17°08'36" | -01°04'45" | 00°47'18"  | 2.375  |
| 05/02/2011 00:00:00 | ♁ | 02°33'06" ♁ | -00°02'51" | -01°09'27" | 00°12'08"  | 5.572  |
| 05/02/2011 00:00:00 | ♁ | 17°08'30" ♁ | -04°21'20" | 02°34'18"  | -00°01'02" | 9.084  |
| 05/02/2011 00:00:00 | ♁ | 28°10'08" ♁ | -01°23'09" | -00°43'00" | 00°02'43"  | 20.806 |
| 05/02/2011 00:00:00 | ♁ | 27°54'47" ♁ | -12°39'07" | -00°29'02" | 00°02'14"  | 30.976 |
| 05/02/2011 00:00:00 | ♁ | 06°30'17" ♁ | -18°48'10" | 04°28'49"  | 00°01'46"  | 32.728 |
| 05/02/2011 00:00:00 | ♁ | 01°54'46" ♁ | -23°25'26" | 00°00'00"  | -00°08'58" | 0.003  |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 05/02/2011 00:00:00 | ♁ | 29°44'31" ♁ | -06°17'32" | 05°37'14"  | 00°04'01"  | 17.582 |
| 05/02/2011 00:00:00 | ♁ | 24°47'54" ♁ | 02°38'05"  | 05°07'13"  | 00°06'43"  | 0.003  |
| 05/02/2011 00:00:00 | ♁ | 01°54'46" ♁ | -23°25'26" | 00°00'00"  | -00°08'58" | 0.003  |
| 05/02/2011 00:00:00 | ♁ | 28°17'20" ♁ | 04°00'56"  | 05°07'07"  | 01°12'30"  | 0.003  |
| 05/02/2011 00:00:00 | X | 21°13'10" ♁ | -04°10'38" | -13°24'58" | 00°00'17"  | 97.012 |
| 05/02/2011 00:00:00 | Y | 21°29'35" ♁ | 06°35'40"  | -11°55'54" | 00°00'00"  | 87.172 |
| 06/02/2011 00:00:00 | ♁ | 16°50'10" ♁ | -15°47'20" | 00°00'00"  | 01°00'50"  | 0.986  |
| 06/02/2011 00:00:00 | ♁ | 18°44'32" ♁ | 00°08'35"  | 04°59'35"  | 11°53'51"  | 0.003  |
| 06/02/2011 00:00:00 | ♁ | 03°14'29" ♁ | -21°03'42" | -01°40'36" | 01°34'42"  | 1.357  |
| 06/02/2011 00:00:00 | ♁ | 01°59'22" ♁ | -21°02'31" | 02°22'52"  | 01°08'17"  | 0.888  |
| 06/02/2011 00:00:00 | ♁ | 16°32'30" ♁ | -16°54'27" | -01°04'47" | 00°47'19"  | 2.374  |
| 06/02/2011 00:00:00 | ♁ | 02°45'17" ♁ | 00°02'07"  | -01°09'18" | 00°12'13"  | 5.584  |
| 06/02/2011 00:00:00 | ♁ | 17°07'24" ♁ | -04°20'40" | 02°34'34"  | -00°01'08" | 9.069  |
| 06/02/2011 00:00:00 | ♁ | 28°12'52" ♁ | -01°22'02" | -00°42'58" | 00°02'45"  | 20.818 |
| 06/02/2011 00:00:00 | ♁ | 27°57'02" ♁ | -12°38'21" | -00°29'03" | 00°02'14"  | 30.980 |
| 06/02/2011 00:00:00 | ♁ | 06°32'02" ♁ | -18°48'05" | 04°28'49"  | 00°01'44"  | 32.718 |
| 06/02/2011 00:00:00 | ♁ | 01°45'42" ♁ | -23°25'34" | 00°00'00"  | -00°09'00" | 0.003  |
| 06/02/2011 00:00:00 | ♁ | 29°48'32" ♁ | -06°16'15" | 05°37'07"  | 00°04'01"  | 17.588 |
| 06/02/2011 00:00:00 | ♁ | 24°54'38" ♁ | 02°40'49"  | 05°07'18"  | 00°06'43"  | 0.003  |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 06/02/2011 00:00:00 | T♄ | 01°45'42" ♁ | -23°25'34" | 00°00'00"  | -00°09'00" | 0.003  |
| 06/02/2011 00:00:00 | T♄ | 29°20'30" ♁ | 04°26'05"  | 05°07'11"  | 00°56'45"  | 0.003  |
| 06/02/2011 00:00:00 | X  | 21°13'28" ♁ | -04°10'22" | -13°24'48" | 00°00'18"  | 97.027 |
| 06/02/2011 00:00:00 | Y  | 21°29'36" ♁ | 06°35'48"  | -11°55'46" | 00°00'01"  | 87.188 |
| 07/02/2011 00:00:00 | ♁  | 17°51'00" ♁ | -15°28'51" | 00°00'00"  | 01°00'48"  | 0.986  |
| 07/02/2011 00:00:00 | ♁  | 00°36'48" ♁ | 04°56'32"  | 05°07'19"  | 11°51'06"  | 0.003  |
| 07/02/2011 00:00:00 | ♁  | 04°49'34" ♁ | -20°44'58" | -01°44'38" | 01°35'28"  | 1.363  |
| 07/02/2011 00:00:00 | ♁  | 03°07'44" ♁ | -21°04'45" | 02°19'20"  | 01°08'26"  | 0.895  |
| 07/02/2011 00:00:00 | ♁  | 17°19'50" ♁ | -16°40'06" | -01°04'48" | 00°47'19"  | 2.374  |
| 07/02/2011 00:00:00 | ♁  | 02°57'34" ♁ | 00°07'07"  | -01°09'10" | 00°12'18"  | 5.595  |
| 07/02/2011 00:00:00 | ♁  | 17°06'12" ♁ | -04°19'57" | 02°34'50"  | -00°01'15" | 9.055  |
| 07/02/2011 00:00:00 | ♁  | 28°15'39" ♁ | -01°20'54" | -00°42'57" | 00°02'47"  | 20.829 |
| 07/02/2011 00:00:00 | ♁  | 27°59'16" ♁ | -12°37'35" | -00°29'03" | 00°02'15"  | 30.983 |
| 07/02/2011 00:00:00 | ♁  | 06°33'46" ♁ | -18°48'01" | 04°28'48"  | 00°01'43"  | 32.707 |
| 07/02/2011 00:00:00 | ♁  | 01°37'02" ♁ | -23°25'40" | 00°00'00"  | -00°08'10" | 0.003  |
| 07/02/2011 00:00:00 | ♁  | 29°52'35" ♁ | -06°14'59" | 05°37'00"  | 00°04'02"  | 17.593 |
| 07/02/2011 00:00:00 | ♁  | 25°01'21" ♁ | 02°43'33"  | 05°07'23"  | 00°06'43"  | 0.003  |
| 07/02/2011 00:00:00 | T♄ | 01°37'02" ♁ | -23°25'40" | 00°00'00"  | -00°08'10" | 0.003  |
| 07/02/2011 00:00:00 | T♄ | 00°14'48" ♁ | 04°47'45"  | 05°07'16"  | 00°52'48"  | 0.003  |

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|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 07/02/2011 00:00:00 | X  | 21°13'46" ♀ | -04°10'07" | -13°24'38" | 00°00'18"  | 97.042 |
| 07/02/2011 00:00:00 | Y  | 21°29'38" ♂ | 06°35'57"  | -11°55'37" | 00°00'02"  | 87.204 |
| 08/02/2011 00:00:00 | ☉  | 18°51'48" ♋ | -15°10'07" | 00°00'00"  | 01°00'47"  | 0.986  |
| 08/02/2011 00:00:00 | ☾  | 12°27'41" ♀ | 09°33'09"  | 05°01'50"  | 11°51'13"  | 0.003  |
| 08/02/2011 00:00:00 | ♁  | 06°25'25" ♋ | -20°24'52" | -01°48'22" | 01°36'13"  | 1.368  |
| 08/02/2011 00:00:00 | ♂  | 04°16'14" ♌ | -21°06'27" | 02°15'44"  | 01°08'34"  | 0.902  |
| 08/02/2011 00:00:00 | ♂  | 18°07'10" ♋ | -16°25'36" | -01°04'50" | 00°47'20"  | 2.374  |
| 08/02/2011 00:00:00 | ♃  | 03°09'55" ♀ | 00°12'09"  | -01°09'01" | 00°12'23"  | 5.606  |
| 08/02/2011 00:00:00 | ♄  | 17°04'54" ♉ | -04°19'13" | 02°35'06"  | -00°01'21" | 9.041  |
| 08/02/2011 00:00:00 | ♅  | 28°18'27" ♋ | -01°19'46" | -00°42'55" | 00°02'49"  | 20.840 |
| 08/02/2011 00:00:00 | ♆  | 28°01'32" ♋ | -12°36'49" | -00°29'03" | 00°02'15"  | 30.986 |
| 08/02/2011 00:00:00 | ♇  | 06°35'29" ♌ | -18°47'56" | 04°28'48"  | 00°01'42"  | 32.696 |
| 08/02/2011 00:00:00 | ♈  | 01°29'35" ♌ | -23°25'46" | 00°00'00"  | -00°06'36" | 0.003  |
| 08/02/2011 00:00:00 | ♁  | 29°56'37" ♋ | -06°13'41" | 05°36'53"  | 00°04'02"  | 17.598 |
| 08/02/2011 00:00:00 | ♁  | 25°08'04" ♋ | 02°46'17"  | 05°07'28"  | 00°06'43"  | 0.003  |
| 08/02/2011 00:00:00 | T♈ | 01°29'35" ♌ | -23°25'46" | 00°00'00"  | -00°06'36" | 0.003  |
| 08/02/2011 00:00:00 | T♁ | 01°06'10" ♀ | 05°08'18"  | 05°07'24"  | 00°49'06"  | 0.003  |
| 08/02/2011 00:00:00 | X  | 21°14'05" ♀ | -04°09'51" | -13°24'29" | 00°00'19"  | 97.057 |
| 08/02/2011 00:00:00 | Y  | 21°29'40" ♂ | 06°36'06"  | -11°55'29" | 00°00'02"  | 87.220 |

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|---------------------|---|-------------|------------|------------|------------|--------|
| 09/02/2011 00:00:00 | ☉ | 19°52'35" ♊ | -14°51'07" | 00°00'00"  | 01°00'46"  | 0.987  |
| 09/02/2011 00:00:00 | ☾ | 24°20'27" ♋ | 13°49'22"  | 04°43'21"  | 11°54'57"  | 0.003  |
| 09/02/2011 00:00:00 | ♀ | 08°02'02" ♊ | -20°03'23" | -01°51'46" | 01°37'00"  | 1.373  |
| 09/02/2011 00:00:00 | ♀ | 05°24'52" ♌ | -21°07'37" | 02°12'06"  | 01°08'42"  | 0.910  |
| 09/02/2011 00:00:00 | ♂ | 18°54'31" ♊ | -16°10'54" | -01°04'50" | 00°47'21"  | 2.373  |
| 09/02/2011 00:00:00 | ♋ | 03°22'21" ♋ | 00°17'13"  | -01°08'53" | 00°12'28"  | 5.617  |
| 09/02/2011 00:00:00 | ♌ | 17°03'29" ♌ | -04°18'26" | 02°35'22"  | -00°01'27" | 9.027  |
| 09/02/2011 00:00:00 | ♍ | 28°21'18" ♌ | -01°18'37" | -00°42'54" | 00°02'51"  | 20.851 |
| 09/02/2011 00:00:00 | ♎ | 28°03'47" ♊ | -12°36'02" | -00°29'04" | 00°02'15"  | 30.989 |
| 09/02/2011 00:00:00 | ♏ | 06°37'11" ♌ | -18°47'51" | 04°28'48"  | 00°01'41"  | 32.685 |
| 09/02/2011 00:00:00 | ♐ | 01°23'59" ♌ | -23°25'49" | 00°00'00"  | -00°04'32" | 0.003  |
| 09/02/2011 00:00:00 | ♑ | 00°00'40" ♌ | -06°12'23" | 05°36'47"  | 00°04'03"  | 17.602 |
| 09/02/2011 00:00:00 | ♒ | 25°14'47" ♌ | 02°49'00"  | 05°07'33"  | 00°06'43"  | 0.003  |
| 09/02/2011 00:00:00 | ♓ | 01°23'59" ♌ | -23°25'49" | 00°00'00"  | -00°04'32" | 0.003  |
| 09/02/2011 00:00:00 | ♈ | 01°50'07" ♋ | 05°25'54"  | 05°07'33"  | 00°36'50"  | 0.003  |
| 09/02/2011 00:00:00 | X | 21°14'24" ♋ | -04°09'35" | -13°24'19" | 00°00'19"  | 97.072 |
| 09/02/2011 00:00:00 | Y | 21°29'44" ♌ | 06°36'14"  | -11°55'21" | 00°00'03"  | 87.236 |
| 10/02/2011 00:00:00 | ☉ | 20°53'20" ♊ | -14°31'53" | 00°00'00"  | 01°00'44"  | 0.987  |
| 10/02/2011 00:00:00 | ☾ | 06°19'01" ♌ | 17°35'30"  | 04°12'22"  | 12°02'56"  | 0.003  |

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|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 10/02/2011 00:00:00 | ♀  | 09°39'26" ♁ | -19°40'32" | -01°54'50" | 01°37'47"  | 1.377  |
| 10/02/2011 00:00:00 | ♀  | 06°33'39" ♁ | -21°08'14" | 02°08'26"  | 01°08'50"  | 0.917  |
| 10/02/2011 00:00:00 | ♂  | 19°41'52" ♁ | -15°56'03" | -01°04'51" | 00°47'21"  | 2.373  |
| 10/02/2011 00:00:00 | ♃  | 03°34'52" ♀ | 00°22'18"  | -01°08'45" | 00°12'33"  | 5.628  |
| 10/02/2011 00:00:00 | ♅  | 17°01'59" ♁ | -04°17'37" | 02°35'38"  | -00°01'33" | 9.013  |
| 10/02/2011 00:00:00 | ♁  | 28°24'09" ♃ | -01°17'27" | -00°42'52" | 00°02'52"  | 20.862 |
| 10/02/2011 00:00:00 | ♆  | 28°06'03" ♁ | -12°35'16" | -00°29'04" | 00°02'15"  | 30.991 |
| 10/02/2011 00:00:00 | ♁  | 06°38'52" ♁ | -18°47'46" | 04°28'48"  | 00°01'39"  | 32.674 |
| 10/02/2011 00:00:00 | ♁  | 01°20'32" ♁ | -23°25'51" | 00°00'00"  | -00°02'21" | 0.003  |
| 10/02/2011 00:00:00 | ♁  | 00°04'44" ♃ | -06°11'05" | 05°36'41"  | 00°04'04"  | 17.606 |
| 10/02/2011 00:00:00 | ♁  | 25°21'31" ♃ | 02°51'44"  | 05°07'37"  | 00°06'43"  | 0.003  |
| 10/02/2011 00:00:00 | T♁ | 01°20'32" ♁ | -23°25'51" | 00°00'00"  | -00°02'21" | 0.003  |
| 10/02/2011 00:00:00 | T♁ | 02°15'20" ♀ | 05°36'04"  | 05°07'41"  | 00°11'09"  | 0.003  |
| 10/02/2011 00:00:00 | X  | 21°14'45" ♀ | -04°09'19" | -13°24'10" | 00°00'20"  | 97.087 |
| 10/02/2011 00:00:00 | Y  | 21°29'48" ♁ | 06°36'24"  | -11°55'12" | 00°00'04"  | 87.253 |
| 11/02/2011 00:00:00 | ♁  | 21°54'04" ♁ | -14°12'23" | 00°00'00"  | 01°00'43"  | 0.987  |
| 11/02/2011 00:00:00 | ♁  | 18°27'55" ♁ | 20°40'39"  | 03°29'40"  | 12°15'40"  | 0.003  |
| 11/02/2011 00:00:00 | ♀  | 11°17'37" ♁ | -19°16'17" | -01°57'34" | 01°38'35"  | 1.381  |
| 11/02/2011 00:00:00 | ♀  | 07°42'33" ♁ | -21°08'17" | 02°04'43"  | 01°08'57"  | 0.924  |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 11/02/2011 00:00:00 | ♂  | 20°29'13" ♊ | -15°41'02" | -01°04'50" | 00°47'21"  | 2.373  |
| 11/02/2011 00:00:00 | ♃  | 03°47'27" ♏ | 00°27'25"  | -01°08'37" | 00°12'37"  | 5.639  |
| 11/02/2011 00:00:00 | ♅  | 17°00'22" ♋ | -04°16'46" | 02°35'53"  | -00°01'39" | 8.999  |
| 11/02/2011 00:00:00 | ♁  | 28°27'03" ♉ | -01°16'17" | -00°42'51" | 00°02'54"  | 20.872 |
| 11/02/2011 00:00:00 | ♆  | 28°08'19" ♊ | -12°34'29" | -00°29'05" | 00°02'16"  | 30.993 |
| 11/02/2011 00:00:00 | ♁  | 06°40'31" ♎ | -18°47'41" | 04°28'48"  | 00°01'38"  | 32.663 |
| 11/02/2011 00:00:00 | ♄  | 01°19'10" ♏ | -23°25'52" | 00°00'00"  | -00°00'27" | 0.003  |
| 11/02/2011 00:00:00 | ♅  | 00°08'49" ♉ | -06°09'46" | 05°36'35"  | 00°04'04"  | 17.610 |
| 11/02/2011 00:00:00 | ♁  | 25°28'14" ♉ | 02°54'28"  | 05°07'42"  | 00°06'43"  | 0.003  |
| 11/02/2011 00:00:00 | ♄♁ | 01°19'10" ♏ | -23°25'52" | 00°00'00"  | -00°00'27" | 0.003  |
| 11/02/2011 00:00:00 | ♄♁ | 02°07'36" ♏ | 05°33'05"  | 05°07'48"  | -00°28'51" | 0.003  |
| 11/02/2011 00:00:00 | X  | 21°15'05" ♏ | -04°09'03" | -13°24'00" | 00°00'21"  | 97.101 |
| 11/02/2011 00:00:00 | Y  | 21°29'53" ♏ | 06°36'33"  | -11°55'04" | 00°00'05"  | 87.269 |
| 12/02/2011 00:00:00 | ♁  | 22°54'46" ♊ | -13°52'40" | 00°00'00"  | 01°00'41"  | 0.987  |
| 12/02/2011 00:00:00 | ♃  | 00°52'01" ♉ | 22°52'44"  | 02°36'19"  | 12°33'21"  | 0.003  |
| 12/02/2011 00:00:00 | ♆  | 12°56'37" ♊ | -18°50'38" | -01°59'56" | 01°39'24"  | 1.384  |
| 12/02/2011 00:00:00 | ♀  | 08°51'34" ♎ | -21°07'48" | 02°00'58"  | 01°09'05"  | 0.932  |
| 12/02/2011 00:00:00 | ♂  | 21°16'36" ♊ | -15°25'51" | -01°04'50" | 00°47'22"  | 2.372  |
| 12/02/2011 00:00:00 | ♃  | 04°00'07" ♏ | 00°32'34"  | -01°08'29" | 00°12'42"  | 5.650  |



Ephemerides year 2011

|                     |    |           |   |            |            |            |        |
|---------------------|----|-----------|---|------------|------------|------------|--------|
| 12/02/2011 00:00:00 | ♃  | 16°58'40" | ♈ | -04°15'52" | 02°36'09"  | -00°01'45" | 8.986  |
| 12/02/2011 00:00:00 | ♅  | 28°29'58" | ♌ | -01°15'06" | -00°42'50" | 00°02'56"  | 20.883 |
| 12/02/2011 00:00:00 | ♆  | 28°10'36" | ♍ | -12°33'42" | -00°29'05" | 00°02'16"  | 30.995 |
| 12/02/2011 00:00:00 | ♁  | 06°42'09" | ♉ | -18°47'36" | 04°28'48"  | 00°01'37"  | 32.651 |
| 12/02/2011 00:00:00 | ♄  | 01°19'25" | ♈ | -23°25'52" | 00°00'00"  | 00°00'48"  | 0.003  |
| 12/02/2011 00:00:00 | ♂  | 00°12'53" | ♌ | -06°08'26" | 05°36'30"  | 00°04'04"  | 17.614 |
| 12/02/2011 00:00:00 | ♁  | 25°34'58" | ♌ | 02°57'11"  | 05°07'46"  | 00°06'43"  | 0.003  |
| 12/02/2011 00:00:00 | ♄♁ | 01°19'25" | ♈ | -23°25'52" | 00°00'00"  | 00°00'48"  | 0.003  |
| 12/02/2011 00:00:00 | ♄♁ | 01°14'02" | ♈ | 05°11'47"  | 05°07'48"  | -01°19'25" | 0.003  |
| 12/02/2011 00:00:00 | X  | 21°15'27" | ♈ | -04°08'47" | -13°23'51" | 00°00'21"  | 97.116 |
| 12/02/2011 00:00:00 | Y  | 21°29'58" | ♈ | 06°36'43"  | -11°54'55" | 00°00'06"  | 87.285 |
| 13/02/2011 00:00:00 | ♁  | 23°55'27" | ♍ | -13°32'44" | 00°00'00"  | 01°00'39"  | 0.987  |
| 13/02/2011 00:00:00 | ♃  | 13°36'15" | ♌ | 23°59'07"  | 01°33'55"  | 12°55'49"  | 0.003  |
| 13/02/2011 00:00:00 | ♆  | 14°36'26" | ♍ | -18°23'36" | -02°01'57" | 01°40'14"  | 1.387  |
| 13/02/2011 00:00:00 | ♀  | 10°00'43" | ♈ | -21°06'45" | 01°57'10"  | 01°09'12"  | 0.939  |
| 13/02/2011 00:00:00 | ♂  | 22°03'58" | ♍ | -15°10'31" | -01°04'49" | 00°47'22"  | 2.372  |
| 13/02/2011 00:00:00 | ♃  | 04°12'51" | ♈ | 00°37'44"  | -01°08'22" | 00°12'46"  | 5.660  |
| 13/02/2011 00:00:00 | ♃  | 16°56'52" | ♈ | -04°14'57" | 02°36'24"  | -00°01'51" | 8.972  |
| 13/02/2011 00:00:00 | ♅  | 28°32'55" | ♌ | -01°13'54" | -00°42'48" | 00°02'57"  | 20.893 |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 13/02/2011 00:00:00 | ♁ | 28°12'52" ♁ | -12°32'56" | -00°29'06" | 00°02'16"  | 30.997 |
| 13/02/2011 00:00:00 | ♂ | 06°43'46" ♂ | -18°47'31" | 04°28'48"  | 00°01'36"  | 32.639 |
| 13/02/2011 00:00:00 | ♄ | 01°20'28" ♂ | -23°25'51" | 00°00'00"  | 00°01'08"  | 0.003  |
| 13/02/2011 00:00:00 | ♃ | 00°16'58" ♃ | -06°07'06" | 05°36'25"  | 00°04'05"  | 17.617 |
| 13/02/2011 00:00:00 | ♅ | 25°41'41" ♃ | 02°59'54"  | 05°07'50"  | 00°06'43"  | 0.003  |
| 13/02/2011 00:00:00 | ♄ | 01°20'28" ♂ | -23°25'51" | 00°00'00"  | 00°01'08"  | 0.003  |
| 13/02/2011 00:00:00 | ♁ | 29°28'18" ♃ | 04°29'24"  | 05°07'25"  | -02°11'10" | 0.003  |
| 13/02/2011 00:00:00 | ♁ | 21°15'49" ♃ | -04°08'30" | -13°23'42" | 00°00'22"  | 97.130 |
| 13/02/2011 00:00:00 | ♁ | 21°30'05" ♃ | 06°36'52"  | -11°54'47" | 00°00'06"  | 87.301 |
| 14/02/2011 00:00:00 | ♁ | 24°56'06" ♁ | -13°12'33" | 00°00'00"  | 01°00'38"  | 0.987  |
| 14/02/2011 00:00:00 | ♂ | 26°45'01" ♃ | 23°48'36"  | 00°24'43"  | 13°22'15"  | 0.003  |
| 14/02/2011 00:00:00 | ♁ | 16°17'05" ♁ | -17°55'10" | -02°03'36" | 01°41'04"  | 1.390  |
| 14/02/2011 00:00:00 | ♁ | 11°10'00" ♂ | -21°05'08" | 01°53'21"  | 01°09'19"  | 0.946  |
| 14/02/2011 00:00:00 | ♂ | 22°51'21" ♁ | -14°55'02" | -01°04'48" | 00°47'22"  | 2.371  |
| 14/02/2011 00:00:00 | ♂ | 04°25'39" ♃ | 00°42'56"  | -01°08'14" | 00°12'50"  | 5.671  |
| 14/02/2011 00:00:00 | ♃ | 16°54'58" ♃ | -04°13'59" | 02°36'39"  | -00°01'57" | 8.959  |
| 14/02/2011 00:00:00 | ♃ | 28°35'53" ♃ | -01°12'42" | -00°42'47" | 00°02'59"  | 20.902 |
| 14/02/2011 00:00:00 | ♁ | 28°15'09" ♁ | -12°32'09" | -00°29'06" | 00°02'16"  | 30.998 |
| 14/02/2011 00:00:00 | ♂ | 06°45'22" ♂ | -18°47'26" | 04°28'49"  | 00°01'34"  | 32.627 |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 14/02/2011 00:00:00 | ♏ | 01°21'22" ♁ | -23°25'51" | 00°00'00"  | 00°00'27"  | 0.003  |
| 14/02/2011 00:00:00 | ♋ | 00°21'04" ♃ | -06°05'46" | 05°36'20"  | 00°04'05"  | 17.621 |
| 14/02/2011 00:00:00 | ♌ | 25°48'25" ♃ | 03°02'38"  | 05°07'54"  | 00°06'43"  | 0.003  |
| 14/02/2011 00:00:00 | ♏ | 01°21'22" ♁ | -23°25'51" | 00°00'00"  | 00°00'27"  | 0.003  |
| 14/02/2011 00:00:00 | ♌ | 26°55'58" ♃ | 03°27'52"  | 05°06'15"  | -02°50'08" | 0.003  |
| 14/02/2011 00:00:00 | X | 21°16'11" ♃ | -04°08'13" | -13°23'33" | 00°00'22"  | 97.144 |
| 14/02/2011 00:00:00 | Y | 21°30'12" ♃ | 06°37'02"  | -11°54'38" | 00°00'07"  | 87.317 |
| 15/02/2011 00:00:00 | ♏ | 25°56'43" ♁ | -12°52'11" | 00°00'00"  | 01°00'36"  | 0.988  |
| 15/02/2011 00:00:00 | ♌ | 10°21'34" ♃ | 22°14'02"  | -00°48'07" | 13°51'03"  | 0.002  |
| 15/02/2011 00:00:00 | ♌ | 17°58'36" ♁ | -17°25'20" | -02°04'52" | 01°41'56"  | 1.391  |
| 15/02/2011 00:00:00 | ♌ | 12°19'22" ♁ | -21°02'57" | 01°49'30"  | 01°09'26"  | 0.954  |
| 15/02/2011 00:00:00 | ♌ | 23°38'43" ♁ | -14°39'23" | -01°04'46" | 00°47'22"  | 2.371  |
| 15/02/2011 00:00:00 | ♌ | 04°38'32" ♃ | 00°48'09"  | -01°08'07" | 00°12'54"  | 5.681  |
| 15/02/2011 00:00:00 | ♌ | 16°52'58" ♃ | -04°13'00" | 02°36'54"  | -00°02'02" | 8.946  |
| 15/02/2011 00:00:00 | ♌ | 28°38'53" ♃ | -01°11'29" | -00°42'46" | 00°03'00"  | 20.912 |
| 15/02/2011 00:00:00 | ♌ | 28°17'26" ♁ | -12°31'22" | -00°29'07" | 00°02'16"  | 30.999 |
| 15/02/2011 00:00:00 | ♌ | 06°46'56" ♁ | -18°47'21" | 04°28'49"  | 00°01'33"  | 32.615 |
| 15/02/2011 00:00:00 | ♏ | 01°21'05" ♁ | -23°25'51" | 00°00'00"  | -00°01'09" | 0.003  |
| 15/02/2011 00:00:00 | ♋ | 00°25'10" ♃ | -06°04'25" | 05°36'15"  | 00°04'05"  | 17.623 |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 15/02/2011 00:00:00 | ☾ | 25°55'08" ♈ | 03°05'21"  | 05°07'58"  | 00°06'43"  | 0.003  |
| 15/02/2011 00:00:00 | ♁ | 01°21'05" ♏ | -23°25'51" | 00°00'00"  | -00°01'09" | 0.003  |
| 15/02/2011 00:00:00 | ♁ | 23°56'31" ♈ | 02°14'52"  | 05°04'02"  | -03°04'00" | 0.003  |
| 15/02/2011 00:00:00 | X | 21°16'34" ♏ | -04°07'57" | -13°23'24" | 00°00'23"  | 97.158 |
| 15/02/2011 00:00:00 | Y | 21°30'20" ♏ | 06°37'12"  | -11°54'30" | 00°00'08"  | 87.333 |
| 16/02/2011 00:00:00 | ☉ | 26°57'19" ♏ | -12°31'35" | -00°00'00" | 01°00'34"  | 0.988  |
| 16/02/2011 00:00:00 | ☾ | 24°27'08" ♏ | 19°15'04"  | -02°00'28" | 14°19'48"  | 0.002  |
| 16/02/2011 00:00:00 | ♀ | 19°40'58" ♏ | -16°54'06" | -02°05'44" | 01°42'48"  | 1.393  |
| 16/02/2011 00:00:00 | ♀ | 13°28'52" ♏ | -21°00'12" | 01°45'38"  | 01°09'33"  | 0.961  |
| 16/02/2011 00:00:00 | ♂ | 24°26'06" ♏ | -14°23'36" | -01°04'44" | 00°47'23"  | 2.371  |
| 16/02/2011 00:00:00 | ♃ | 04°51'29" ♏ | 00°53'23"  | -01°07'59" | 00°12'58"  | 5.691  |
| 16/02/2011 00:00:00 | ♃ | 16°50'52" ♏ | -04°11'58" | 02°37'09"  | -00°02'08" | 8.933  |
| 16/02/2011 00:00:00 | ♃ | 28°41'55" ♈ | -01°10'16" | -00°42'44" | 00°03'01"  | 20.921 |
| 16/02/2011 00:00:00 | ♃ | 28°19'43" ♏ | -12°30'35" | -00°29'08" | 00°02'17"  | 31.000 |
| 16/02/2011 00:00:00 | ♃ | 06°48'28" ♏ | -18°47'16" | 04°28'50"  | 00°01'32"  | 32.602 |
| 16/02/2011 00:00:00 | ♁ | 01°18'49" ♏ | -23°25'52" | 00°00'00"  | -00°03'26" | 0.003  |
| 16/02/2011 00:00:00 | ♃ | 00°29'15" ♈ | -06°03'04" | 05°36'11"  | 00°04'05"  | 17.626 |
| 16/02/2011 00:00:00 | ☾ | 26°01'52" ♈ | 03°08'04"  | 05°08'02"  | 00°06'43"  | 0.003  |
| 16/02/2011 00:00:00 | ♁ | 01°18'49" ♏ | -23°25'52" | 00°00'00"  | -00°03'26" | 0.003  |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 16/02/2011 00:00:00 | T♄ | 20°57'04" ♉ | 01°01'30"  | 05°00'55"  | -02°51'03" | 0.003  |
| 16/02/2011 00:00:00 | X  | 21°16'58" ♀ | -04°07'40" | -13°23'15" | 00°00'23"  | 97.172 |
| 16/02/2011 00:00:00 | Y  | 21°30'29" ♀ | 06°37'23"  | -11°54'21" | 00°00'09"  | 87.349 |
| 17/02/2011 00:00:00 | ☉  | 27°57'53" ♋ | -12°10'48" | -00°00'00" | 01°00'33"  | 0.988  |
| 17/02/2011 00:00:00 | ☾  | 09°00'07" ♋ | 14°59'35"  | -03°07'12" | 14°45'17"  | 0.002  |
| 17/02/2011 00:00:00 | ♀  | 21°24'13" ♋ | -16°21'28" | -02°06'11" | 01°43'41"  | 1.393  |
| 17/02/2011 00:00:00 | ♀  | 14°38'28" ♋ | -20°56'52" | 01°41'44"  | 01°09'39"  | 0.968  |
| 17/02/2011 00:00:00 | ♂  | 25°13'29" ♋ | -14°07'40" | -01°04'41" | 00°47'23"  | 2.370  |
| 17/02/2011 00:00:00 | ♃  | 05°04'29" ♀ | 00°58'39"  | -01°07'52" | 00°13'02"  | 5.700  |
| 17/02/2011 00:00:00 | ♅  | 16°48'40" ♉ | -04°10'54" | 02°37'24"  | -00°02'14" | 8.921  |
| 17/02/2011 00:00:00 | ♁  | 28°44'57" ♉ | -01°09'02" | -00°42'43" | 00°03'03"  | 20.930 |
| 17/02/2011 00:00:00 | ♃  | 28°22'00" ♋ | -12°29'49" | -00°29'09" | 00°02'16"  | 31.000 |
| 17/02/2011 00:00:00 | ♁  | 06°50'00" ♋ | -18°47'11" | 04°28'50"  | 00°01'30"  | 32.589 |
| 17/02/2011 00:00:00 | ♁  | 01°14'08" ♋ | -23°25'55" | 00°00'00"  | -00°05'55" | 0.003  |
| 17/02/2011 00:00:00 | ♂  | 00°33'21" ♉ | -06°01'42" | 05°36'08"  | 00°04'05"  | 17.628 |
| 17/02/2011 00:00:00 | ♁  | 26°08'35" ♉ | 03°10'47"  | 05°08'05"  | 00°06'43"  | 0.003  |
| 17/02/2011 00:00:00 | T♁ | 01°14'08" ♋ | -23°25'55" | 00°00'00"  | -00°05'55" | 0.003  |
| 17/02/2011 00:00:00 | T♄ | 18°19'32" ♉ | -00°03'01" | 04°57'30"  | -02°22'54" | 0.003  |
| 17/02/2011 00:00:00 | X  | 21°17'22" ♀ | -04°07'23" | -13°23'06" | 00°00'24"  | 97.185 |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 17/02/2011 00:00:00 | Y  | 21°30'38" ♃ | 06°37'33"  | -11°54'13" | 00°00'09"  | 87.366 |
| 18/02/2011 00:00:00 | ☉  | 28°58'25" ♊ | -11°49'49" | -00°00'00" | 01°00'31"  | 0.988  |
| 18/02/2011 00:00:00 | ☾  | 23°55'29" ♋ | 09°43'19"  | -04°02'51" | 15°04'04"  | 0.002  |
| 18/02/2011 00:00:00 | ♀  | 23°08'21" ♊ | -15°47'26" | -02°06'14" | 01°44'35"  | 1.394  |
| 18/02/2011 00:00:00 | ♀  | 15°48'11" ♌ | -20°52'58" | 01°37'49"  | 01°09'45"  | 0.975  |
| 18/02/2011 00:00:00 | ♂  | 26°00'53" ♊ | -13°51'35" | -01°04'38" | 00°47'23"  | 2.370  |
| 18/02/2011 00:00:00 | ♃  | 05°17'33" ♏ | 01°03'56"  | -01°07'45" | 00°13'06"  | 5.710  |
| 18/02/2011 00:00:00 | ♅  | 16°46'23" ♁ | -04°09'49" | 02°37'38"  | -00°02'19" | 8.908  |
| 18/02/2011 00:00:00 | ♁  | 28°48'01" ♏ | -01°07'48" | -00°42'42" | 00°03'04"  | 20.939 |
| 18/02/2011 00:00:00 | ♃  | 28°24'16" ♊ | -12°29'02" | -00°29'09" | 00°02'16"  | 31.000 |
| 18/02/2011 00:00:00 | ♁  | 06°51'30" ♌ | -18°47'06" | 04°28'51"  | 00°01'29"  | 32.577 |
| 18/02/2011 00:00:00 | ♁  | 01°07'06" ♌ | -23°25'59" | 00°00'00"  | -00°08'02" | 0.003  |
| 18/02/2011 00:00:00 | ♃  | 00°37'27" ♏ | -06°00'20" | 05°36'04"  | 00°04'05"  | 17.630 |
| 18/02/2011 00:00:00 | ♁  | 26°15'19" ♏ | 03°13'29"  | 05°08'08"  | 00°06'43"  | 0.003  |
| 18/02/2011 00:00:00 | T♁ | 01°07'06" ♌ | -23°25'59" | 00°00'00"  | -00°08'02" | 0.003  |
| 18/02/2011 00:00:00 | T♁ | 16°10'25" ♏ | -00°55'52" | 04°54'19"  | -01°57'04" | 0.003  |
| 18/02/2011 00:00:00 | X  | 21°17'46" ♏ | -04°07'06" | -13°22'57" | 00°00'24"  | 97.199 |
| 18/02/2011 00:00:00 | Y  | 21°30'48" ♃ | 06°37'44"  | -11°54'05" | 00°00'10"  | 87.382 |
| 19/02/2011 00:00:00 | ☉  | 29°58'56" ♊ | -11°28'39" | -00°00'00" | 01°00'29"  | 0.988  |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 19/02/2011 00:00:00 | ♃ | 09°05'03" ♃ | 03°47'56"  | -04°42'18" | 15°13'16"  | 0.002  |
| 19/02/2011 00:00:00 | ♆ | 24°53'24" ♆ | -15°12'00" | -02°05'50" | 01°45'29"  | 1.393  |
| 19/02/2011 00:00:00 | ♀ | 16°58'00" ♀ | -20°48'29" | 01°33'54"  | 01°09'52"  | 0.982  |
| 19/02/2011 00:00:00 | ♂ | 26°48'16" ♂ | -13°35'22" | -01°04'35" | 00°47'23"  | 2.369  |
| 19/02/2011 00:00:00 | ♃ | 05°30'41" ♃ | 01°09'15"  | -01°07'38" | 00°13'09"  | 5.719  |
| 19/02/2011 00:00:00 | ♄ | 16°44'00" ♄ | -04°08'41" | 02°37'53"  | -00°02'25" | 8.896  |
| 19/02/2011 00:00:00 | ♃ | 28°51'06" ♃ | -01°06'33" | -00°42'41" | 00°03'05"  | 20.948 |
| 19/02/2011 00:00:00 | ♆ | 28°26'33" ♆ | -12°28'15" | -00°29'10" | 00°02'16"  | 31.000 |
| 19/02/2011 00:00:00 | ♃ | 06°52'58" ♃ | -18°47'01" | 04°28'52"  | 00°01'27"  | 32.564 |
| 19/02/2011 00:00:00 | ♁ | 00°58'20" ♁ | -23°26'03" | 00°00'00"  | -00°09'18" | 0.003  |
| 19/02/2011 00:00:00 | ♃ | 00°41'33" ♃ | -05°58'58" | 05°36'01"  | 00°04'05"  | 17.632 |
| 19/02/2011 00:00:00 | ♃ | 26°22'02" ♃ | 03°16'12"  | 05°08'12"  | 00°06'43"  | 0.003  |
| 19/02/2011 00:00:00 | ♁ | 00°58'20" ♁ | -23°26'03" | 00°00'00"  | -00°09'18" | 0.003  |
| 19/02/2011 00:00:00 | ♄ | 14°20'02" ♄ | -01°40'49" | 04°51'27"  | -01°46'54" | 0.003  |
| 19/02/2011 00:00:00 | X | 21°18'11" ♃ | -04°06'49" | -13°22'48" | 00°00'25"  | 97.212 |
| 19/02/2011 00:00:00 | Y | 21°30'59" ♀ | 06°37'54"  | -11°53'56" | 00°00'10"  | 87.398 |
| 20/02/2011 00:00:00 | ♁ | 00°59'25" ♃ | -11°07'18" | -00°00'00" | 01°00'28"  | 0.989  |
| 20/02/2011 00:00:00 | ♃ | 24°18'23" ♃ | -02°21'36" | -05°01'58" | 15°11'31"  | 0.002  |
| 20/02/2011 00:00:00 | ♆ | 26°39'21" ♆ | -14°35'11" | -02°05'00" | 01°46'24"  | 1.392  |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 20/02/2011 00:00:00 | ♀  | 18°07'55" ♍ | -20°43'26" | 01°29'57"  | 01°09'58"  | 0.990  |
| 20/02/2011 00:00:00 | ♂  | 27°35'39" ♊ | -13°19'01" | -01°04'31" | 00°47'23"  | 2.369  |
| 20/02/2011 00:00:00 | ♃  | 05°43'53" ♏ | 01°14'34"  | -01°07'31" | 00°13'13"  | 5.729  |
| 20/02/2011 00:00:00 | ♅  | 16°41'32" ♋ | -04°07'31" | 02°38'07"  | -00°02'31" | 8.884  |
| 20/02/2011 00:00:00 | ♁  | 28°54'13" ♉ | -01°05'18" | -00°42'39" | 00°03'07"  | 20.956 |
| 20/02/2011 00:00:00 | ♆  | 28°28'50" ♎ | -12°27'28" | -00°29'10" | 00°02'16"  | 31.000 |
| 20/02/2011 00:00:00 | ♄  | 06°54'25" ♌ | -18°46'55" | 04°28'53"  | 00°01'26"  | 32.550 |
| 20/02/2011 00:00:00 | ♁  | 00°48'53" ♍ | -23°26'07" | 00°00'00"  | -00°09'23" | 0.003  |
| 20/02/2011 00:00:00 | ♅  | 00°45'39" ♉ | -05°57'35" | 05°35'58"  | 00°04'05"  | 17.634 |
| 20/02/2011 00:00:00 | ♁  | 26°28'45" ♉ | 03°18'55"  | 05°08'15"  | 00°06'43"  | 0.003  |
| 20/02/2011 00:00:00 | T♁ | 00°48'53" ♍ | -23°26'07" | 00°00'00"  | -00°09'23" | 0.003  |
| 20/02/2011 00:00:00 | T♃ | 12°30'14" ♉ | -02°25'12" | 04°48'36"  | -01°55'25" | 0.003  |
| 20/02/2011 00:00:00 | X  | 21°18'37" ♏ | -04°06'31" | -13°22'40" | 00°00'25"  | 97.225 |
| 20/02/2011 00:00:00 | Y  | 21°31'10" ♏ | 06°38'05"  | -11°53'48" | 00°00'11"  | 87.414 |
| 21/02/2011 00:00:00 | ☾  | 01°59'53" ♉ | -10°45'47" | -00°00'00" | 01°00'27"  | 0.989  |
| 21/02/2011 00:00:00 | ♃  | 09°24'39" ♋ | -08°19'46" | -05°00'25" | 14°59'26"  | 0.002  |
| 21/02/2011 00:00:00 | ♆  | 28°26'13" ♎ | -13°56'58" | -02°03'41" | 01°47'20"  | 1.390  |
| 21/02/2011 00:00:00 | ♀  | 19°17'57" ♍ | -20°37'48" | 01°26'00"  | 01°10'04"  | 0.997  |
| 21/02/2011 00:00:00 | ♂  | 28°23'02" ♊ | -13°02'33" | -01°04'26" | 00°47'23"  | 2.369  |



Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 21/02/2011 00:00:00 | ♃ | 05°57'08" ♀ | 01°19'55"  | -01°07'25" | 00°13'17"  | 5.738  |
| 21/02/2011 00:00:00 | ♅ | 16°38'58" ♀ | -04°06'20" | 02°38'21"  | -00°02'36" | 8.872  |
| 21/02/2011 00:00:00 | ♁ | 28°57'20" ♀ | -01°04'02" | -00°42'38" | 00°03'08"  | 20.964 |
| 21/02/2011 00:00:00 | ♆ | 28°31'06" ♀ | -12°26'41" | -00°29'11" | 00°02'16"  | 30.999 |
| 21/02/2011 00:00:00 | ♁ | 06°55'50" ♀ | -18°46'50" | 04°28'54"  | 00°01'24"  | 32.537 |
| 21/02/2011 00:00:00 | ♁ | 00°39'58" ♀ | -23°26'10" | 00°00'00"  | -00°08'17" | 0.003  |
| 21/02/2011 00:00:00 | ♆ | 00°49'45" ♀ | -05°56'12" | 05°35'55"  | 00°04'05"  | 17.635 |
| 21/02/2011 00:00:00 | ♁ | 26°35'29" ♀ | 03°21'37"  | 05°08'17"  | 00°06'43"  | 0.003  |
| 21/02/2011 00:00:00 | ♁ | 00°39'58" ♀ | -23°26'10" | 00°00'00"  | -00°08'17" | 0.003  |
| 21/02/2011 00:00:00 | ♁ | 10°25'54" ♀ | -03°15'04" | 04°45'16"  | -02°13'31" | 0.003  |
| 21/02/2011 00:00:00 | X | 21°19'03" ♀ | -04°06'14" | -13°22'31" | 00°00'26"  | 97.238 |
| 21/02/2011 00:00:00 | Y | 21°31'22" ♀ | 06°38'16"  | -11°53'40" | 00°00'12"  | 87.430 |
| 22/02/2011 00:00:00 | ♁ | 03°00'19" ♀ | -10°24'05" | -00°00'00" | 01°00'25"  | 0.989  |
| 22/02/2011 00:00:00 | ♁ | 24°14'35" ♀ | -13°42'46" | -04°38'35" | 14°39'21"  | 0.002  |
| 22/02/2011 00:00:00 | ♁ | 00°14'01" ♀ | -13°17'23" | -02°01'55" | 01°48'15"  | 1.388  |
| 22/02/2011 00:00:00 | ♁ | 20°28'04" ♀ | -20°31'36" | 01°22'02"  | 01°10'10"  | 1.004  |
| 22/02/2011 00:00:00 | ♁ | 29°10'26" ♀ | -12°45'56" | -01°04'21" | 00°47'23"  | 2.368  |
| 22/02/2011 00:00:00 | ♃ | 06°10'27" ♀ | 01°25'17"  | -01°07'18" | 00°13'20"  | 5.747  |
| 22/02/2011 00:00:00 | ♅ | 16°36'19" ♀ | -04°05'06" | 02°38'35"  | -00°02'41" | 8.861  |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 22/02/2011 00:00:00 | ♃ | 29°00'29" ♈ | -01°02'46" | -00°42'37" | 00°03'09"  | 20.972 |
| 22/02/2011 00:00:00 | ♃ | 28°33'23" ♏ | -12°25'54" | -00°29'11" | 00°02'16"  | 30.998 |
| 22/02/2011 00:00:00 | ♃ | 06°57'14" ♎ | -18°46'45" | 04°28'55"  | 00°01'23"  | 32.523 |
| 22/02/2011 00:00:00 | ♁ | 00°32'38" ♎ | -23°26'12" | 00°00'00"  | -00°06'15" | 0.003  |
| 22/02/2011 00:00:00 | ♃ | 00°53'51" ♈ | -05°54'49" | 05°35'53"  | 00°04'05"  | 17.636 |
| 22/02/2011 00:00:00 | ♁ | 26°42'12" ♈ | 03°24'19"  | 05°08'20"  | 00°06'43"  | 0.003  |
| 22/02/2011 00:00:00 | ♁ | 00°32'38" ♎ | -23°26'12" | 00°00'00"  | -00°06'15" | 0.003  |
| 22/02/2011 00:00:00 | ♁ | 08°06'05" ♈ | -04°10'47" | 04°41'11"  | -02°22'53" | 0.003  |
| 22/02/2011 00:00:00 | X | 21°19'29" ♎ | -04°05'57" | -13°22'23" | 00°00'26"  | 97.251 |
| 22/02/2011 00:00:00 | Y | 21°31'35" ♎ | 06°38'27"  | -11°53'31" | 00°00'13"  | 87.445 |
| 23/02/2011 00:00:00 | ♁ | 04°00'44" ♈ | -10°02'14" | -00°00'00" | 01°00'24"  | 0.989  |
| 23/02/2011 00:00:00 | ♃ | 08°41'47" ♎ | -18°10'23" | -03°59'19" | 14°14'33"  | 0.002  |
| 23/02/2011 00:00:00 | ♁ | 02°02'44" ♈ | -12°36'26" | -01°59'38" | 01°49'10"  | 1.385  |
| 23/02/2011 00:00:00 | ♁ | 21°38'17" ♎ | -20°24'49" | 01°18'04"  | 01°10'15"  | 1.011  |
| 23/02/2011 00:00:00 | ♁ | 29°57'49" ♏ | -12°29'12" | -01°04'16" | 00°47'23"  | 2.368  |
| 23/02/2011 00:00:00 | ♁ | 06°23'50" ♎ | 01°30'40"  | -01°07'12" | 00°13'24"  | 5.755  |
| 23/02/2011 00:00:00 | ♁ | 16°33'35" ♎ | -04°03'51" | 02°38'48"  | -00°02'46" | 8.849  |
| 23/02/2011 00:00:00 | ♃ | 29°03'40" ♈ | -01°01'30" | -00°42'36" | 00°03'10"  | 20.980 |
| 23/02/2011 00:00:00 | ♃ | 28°35'39" ♏ | -12°25'07" | -00°29'12" | 00°02'16"  | 30.997 |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 23/02/2011 00:00:00 | ♁ | 06°58'36" ♀ | -18°46'39" | 04°28'56"  | 00°01'21"  | 32.510 |
| 23/02/2011 00:00:00 | ♁ | 00°27'35" ♀ | -23°26'13" | 00°00'00"  | -00°03'48" | 0.003  |
| 23/02/2011 00:00:00 | ♁ | 00°57'57" ♀ | -05°53'25" | 05°35'51"  | 00°04'05"  | 17.636 |
| 23/02/2011 00:00:00 | ♁ | 26°48'55" ♀ | 03°27'01"  | 05°08'23"  | 00°06'43"  | 0.003  |
| 23/02/2011 00:00:00 | ♁ | 00°27'35" ♀ | -23°26'13" | 00°00'00"  | -00°03'48" | 0.003  |
| 23/02/2011 00:00:00 | ♁ | 05°49'15" ♀ | -05°04'57" | 04°36'47"  | -02°05'15" | 0.003  |
| 23/02/2011 00:00:00 | X | 21°19'56" ♀ | -04°05'39" | -13°22'14" | 00°00'27"  | 97.263 |
| 23/02/2011 00:00:00 | Y | 21°31'48" ♀ | 06°38'39"  | -11°53'23" | 00°00'13"  | 87.461 |
| 24/02/2011 00:00:00 | ♁ | 05°01'08" ♀ | -09°40'13" | -00°00'00" | 01°00'23"  | 0.989  |
| 24/02/2011 00:00:00 | ♁ | 22°43'14" ♀ | -21°27'22" | -03°06'33" | 13°48'20"  | 0.003  |
| 24/02/2011 00:00:00 | ♁ | 03°52'22" ♀ | -11°54'08" | -01°56'52" | 01°50'05"  | 1.381  |
| 24/02/2011 00:00:00 | ♁ | 22°48'35" ♀ | -20°17'27" | 01°14'05"  | 01°10'21"  | 1.018  |
| 24/02/2011 00:00:00 | ♁ | 00°45'13" ♀ | -12°12'20" | -01°04'10" | 00°47'23"  | 2.367  |
| 24/02/2011 00:00:00 | ♁ | 06°37'15" ♀ | 01°36'04"  | -01°07'06" | 00°13'27"  | 5.764  |
| 24/02/2011 00:00:00 | ♁ | 16°30'46" ♀ | -04°02'34" | 02°39'02"  | -00°02'51" | 8.838  |
| 24/02/2011 00:00:00 | ♁ | 29°06'51" ♀ | -01°00'12" | -00°42'35" | 00°03'11"  | 20.987 |
| 24/02/2011 00:00:00 | ♁ | 28°37'56" ♀ | -12°24'20" | -00°29'13" | 00°02'16"  | 30.995 |
| 24/02/2011 00:00:00 | ♁ | 06°59'57" ♀ | -18°46'34" | 04°28'57"  | 00°01'20"  | 32.496 |
| 24/02/2011 00:00:00 | ♁ | 00°24'56" ♀ | -23°26'14" | 00°00'00"  | -00°01'32" | 0.003  |

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|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 24/02/2011 00:00:00 | ♁ | 01°02'02" ♀ | -05°52'01" | 05°35'50"  | 00°04'05"  | 17.637 |
| 24/02/2011 00:00:00 | ♁ | 26°55'39" ♀ | 03°29'44"  | 05°08'25"  | 00°06'43"  | 0.003  |
| 24/02/2011 00:00:00 | ♁ | 00°24'56" ♀ | -23°26'14" | 00°00'00"  | -00°01'32" | 0.003  |
| 24/02/2011 00:00:00 | ♁ | 04°06'41" ♀ | -05°45'19" | 04°33'12"  | -01°14'51" | 0.003  |
| 24/02/2011 00:00:00 | X | 21°20'24" ♀ | -04°05'22" | -13°22'06" | 00°00'27"  | 97.276 |
| 24/02/2011 00:00:00 | Y | 21°32'03" ♀ | 06°38'50"  | -11°53'15" | 00°00'14"  | 87.477 |
| 25/02/2011 00:00:00 | ♁ | 06°01'31" ♀ | -09°18'03" | -00°00'00" | 01°00'21"  | 0.990  |
| 25/02/2011 00:00:00 | ♁ | 06°18'53" ♀ | -23°24'27" | -02°04'38" | 13°23'19"  | 0.003  |
| 25/02/2011 00:00:00 | ♁ | 05°42'54" ♀ | -11°10'29" | -01°53'35" | 01°50'58"  | 1.376  |
| 25/02/2011 00:00:00 | ♁ | 23°58'59" ♀ | -20°09'32" | 01°10'07"  | 01°10'26"  | 1.025  |
| 25/02/2011 00:00:00 | ♁ | 01°32'37" ♀ | -11°55'22" | -01°04'04" | 00°47'23"  | 2.367  |
| 25/02/2011 00:00:00 | ♁ | 06°50'45" ♀ | 01°41'30"  | -01°07'00" | 00°13'30"  | 5.772  |
| 25/02/2011 00:00:00 | ♁ | 16°27'51" ♀ | -04°01'15" | 02°39'15"  | -00°02'57" | 8.827  |
| 25/02/2011 00:00:00 | ♁ | 29°10'03" ♀ | -00°58'55" | -00°42'34" | 00°03'13"  | 20.994 |
| 25/02/2011 00:00:00 | ♁ | 28°40'12" ♀ | -12°23'34" | -00°29'13" | 00°02'16"  | 30.993 |
| 25/02/2011 00:00:00 | ♁ | 07°01'17" ♀ | -18°46'28" | 04°28'59"  | 00°01'18"  | 32.482 |
| 25/02/2011 00:00:00 | ♁ | 00°24'15" ♀ | -23°26'14" | 00°00'00"  | 00°00'01"  | 0.003  |
| 25/02/2011 00:00:00 | ♁ | 01°06'08" ♀ | -05°50'37" | 05°35'48"  | 00°04'05"  | 17.637 |
| 25/02/2011 00:00:00 | ♁ | 27°02'22" ♀ | 03°32'26"  | 05°08'27"  | 00°06'43"  | 0.003  |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 25/02/2011 00:00:00 | T♄ | 00°24'15" ♄ | -23°26'14" | 00°00'00"  | 00°00'01"  | 0.003  |
| 25/02/2011 00:00:00 | T♄ | 03°27'09" ♄ | -06°00'48" | 04°31'45"  | -00°01'51" | 0.003  |
| 25/02/2011 00:00:00 | X  | 21°20'52" ♄ | -04°05'04" | -13°21'58" | 00°00'28"  | 97.288 |
| 25/02/2011 00:00:00 | Y  | 21°32'18" ♄ | 06°39'02"  | -11°53'07" | 00°00'15"  | 87.493 |
| 26/02/2011 00:00:00 | ♁  | 07°01'52" ♄ | -08°55'45" | -00°00'00" | 01°00'20"  | 0.990  |
| 26/02/2011 00:00:00 | ♂  | 19°30'50" ♄ | -23°58'58" | -00°57'43" | 13°01'09"  | 0.003  |
| 26/02/2011 00:00:00 | ♀  | 07°34'19" ♄ | -10°25'33" | -01°49'45" | 01°51'50"  | 1.371  |
| 26/02/2011 00:00:00 | ♀  | 25°09'28" ♄ | -20°01'02" | 01°06'09"  | 01°10'31"  | 1.032  |
| 26/02/2011 00:00:00 | ♂  | 02°20'00" ♄ | -11°38'16" | -01°03'58" | 00°47'23"  | 2.366  |
| 26/02/2011 00:00:00 | ♃  | 07°04'17" ♄ | 01°46'56"  | -01°06'54" | 00°13'33"  | 5.780  |
| 26/02/2011 00:00:00 | ♃  | 16°24'52" ♄ | -03°59'55" | 02°39'28"  | -00°03'02" | 8.817  |
| 26/02/2011 00:00:00 | ♃  | 29°13'17" ♄ | -00°57'37" | -00°42'33" | 00°03'14"  | 21.001 |
| 26/02/2011 00:00:00 | ♃  | 28°42'28" ♄ | -12°22'47" | -00°29'14" | 00°02'15"  | 30.991 |
| 26/02/2011 00:00:00 | ♃  | 07°02'35" ♄ | -18°46'23" | 04°29'00"  | 00°01'17"  | 32.468 |
| 26/02/2011 00:00:00 | ♁  | 00°24'37" ♄ | -23°26'14" | 00°00'00"  | 00°00'31"  | 0.003  |
| 26/02/2011 00:00:00 | ♃  | 01°10'13" ♄ | -05°49'12" | 05°35'47"  | 00°04'05"  | 17.637 |
| 26/02/2011 00:00:00 | ♃  | 27°09'06" ♄ | 03°35'07"  | 05°08'29"  | 00°06'43"  | 0.003  |
| 26/02/2011 00:00:00 | T♄ | 00°24'37" ♄ | -23°26'14" | 00°00'00"  | 00°00'31"  | 0.003  |
| 26/02/2011 00:00:00 | T♄ | 04°04'44" ♄ | -05°46'05" | 04°33'07"  | 01°16'33"  | 0.003  |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 26/02/2011 00:00:00 | X  | 21°21'21" ♀ | -04°04'46" | -13°21'50" | 00°00'28"  | 97.300 |
| 26/02/2011 00:00:00 | Y  | 21°32'33" ♂ | 06°39'13"  | -11°52'59" | 00°00'16"  | 87.508 |
| 27/02/2011 00:00:00 | ☉  | 08°02'12" ♀ | -08°33'19" | 00°00'00"  | 01°00'19"  | 0.990  |
| 27/02/2011 00:00:00 | ☾  | 02°22'26" ♂ | -23°14'34" | 00°10'25"  | 12°42'39"  | 0.003  |
| 27/02/2011 00:00:00 | ♁  | 09°26'34" ♀ | -09°39'20" | -01°45'23" | 01°52'39"  | 1.364  |
| 27/02/2011 00:00:00 | ♂  | 26°20'02" ♂ | -19°51'58" | 01°02'11"  | 01°10'36"  | 1.039  |
| 27/02/2011 00:00:00 | ♂  | 03°07'24" ♀ | -11°21'04" | -01°03'51" | 00°47'23"  | 2.366  |
| 27/02/2011 00:00:00 | ♃  | 07°17'52" ♀ | 01°52'23"  | -01°06'48" | 00°13'37"  | 5.788  |
| 27/02/2011 00:00:00 | ♄  | 16°21'47" ♀ | -03°58'32" | 02°39'41"  | -00°03'06" | 8.806  |
| 27/02/2011 00:00:00 | ♅  | 29°16'32" ♀ | -00°56'19" | -00°42'32" | 00°03'15"  | 21.007 |
| 27/02/2011 00:00:00 | ♆  | 28°44'44" ♀ | -12°22'01" | -00°29'15" | 00°02'15"  | 30.989 |
| 27/02/2011 00:00:00 | ♇  | 07°03'51" ♂ | -18°46'18" | 04°29'02"  | 00°01'15"  | 32.453 |
| 27/02/2011 00:00:00 | ♈  | 00°24'53" ♂ | -23°26'14" | 00°00'00"  | -00°00'10" | 0.003  |
| 27/02/2011 00:00:00 | ♉  | 01°14'18" ♀ | -05°47'48" | 05°35'47"  | 00°04'04"  | 17.636 |
| 27/02/2011 00:00:00 | ♊  | 27°15'49" ♀ | 03°37'49"  | 05°08'31"  | 00°06'43"  | 0.003  |
| 27/02/2011 00:00:00 | T♈ | 00°24'53" ♂ | -23°26'14" | 00°00'00"  | -00°00'10" | 0.003  |
| 27/02/2011 00:00:00 | T♉ | 05°57'13" ♀ | -05°01'50" | 04°37'02"  | 02°26'02"  | 0.003  |
| 27/02/2011 00:00:00 | X  | 21°21'50" ♀ | -04°04'28" | -13°21'42" | 00°00'29"  | 97.311 |
| 27/02/2011 00:00:00 | Y  | 21°32'50" ♂ | 06°39'25"  | -11°52'51" | 00°00'16"  | 87.524 |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 28/02/2011 00:00:00 | ☉ | 09°02'30" ♈ | -08°10'45" | 00°00'00"  | 01°00'17"  | 0.990  |
| 28/02/2011 00:00:00 | ☾ | 14°57'25" ♎ | -21°19'53" | 01°16'31"  | 12°27'55"  | 0.003  |
| 28/02/2011 00:00:00 | ♁ | 11°19'36" ♈ | -08°51'53" | -01°40'28" | 01°53'25"  | 1.357  |
| 28/02/2011 00:00:00 | ♂ | 27°30'40" ♎ | -19°42'20" | 00°58'13"  | 01°10'40"  | 1.046  |
| 28/02/2011 00:00:00 | ♂ | 03°54'47" ♈ | -11°03'46" | -01°03'43" | 00°47'23"  | 2.365  |
| 28/02/2011 00:00:00 | ♃ | 07°31'31" ♏ | 01°57'52"  | -01°06'42" | 00°13'40"  | 5.796  |
| 28/02/2011 00:00:00 | ♄ | 16°18'38" ♏ | -03°57'08" | 02°39'53"  | -00°03'11" | 8.796  |
| 28/02/2011 00:00:00 | ♅ | 29°19'47" ♈ | -00°55'00" | -00°42'31" | 00°03'16"  | 21.014 |
| 28/02/2011 00:00:00 | ♆ | 28°46'59" ♏ | -12°21'14" | -00°29'16" | 00°02'15"  | 30.986 |
| 28/02/2011 00:00:00 | ♇ | 07°05'06" ♎ | -18°46'12" | 04°29'03"  | 00°01'13"  | 32.439 |
| 28/02/2011 00:00:00 | ♈ | 00°23'54" ♎ | -23°26'14" | 00°00'00"  | -00°01'58" | 0.003  |
| 28/02/2011 00:00:00 | ♉ | 01°18'22" ♈ | -05°46'23" | 05°35'46"  | 00°04'04"  | 17.635 |
| 28/02/2011 00:00:00 | ♊ | 27°22'33" ♈ | 03°40'31"  | 05°08'33"  | 00°06'43"  | 0.003  |
| 28/02/2011 00:00:00 | ♋ | 00°23'54" ♎ | -23°26'14" | 00°00'00"  | -00°01'58" | 0.003  |
| 28/02/2011 00:00:00 | ♌ | 08°51'02" ♈ | -03°52'56" | 04°42'31"  | 03°18'17"  | 0.003  |
| 28/02/2011 00:00:00 | X | 21°22'19" ♏ | -04°04'10" | -13°21'34" | 00°00'29"  | 97.323 |
| 28/02/2011 00:00:00 | Y | 21°33'07" ♏ | 06°39'37"  | -11°52'43" | 00°00'17"  | 87.539 |
| 01/03/2011 00:00:00 | ☉ | 10°02'47" ♈ | -07°48'04" | 00°00'00"  | 01°00'15"  | 0.991  |
| 01/03/2011 00:00:00 | ☾ | 27°19'26" ♎ | -18°26'32" | 02°17'42"  | 12°16'37"  | 0.003  |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 01/03/2011 00:00:00 | ♀  | 13°13'22" ♈ | -08°03'15" | -01°34'58" | 01°54'06"  | 1.349  |
| 01/03/2011 00:00:00 | ♀  | 28°41'24" ♎ | -19°32'08" | 00°54'16"  | 01°10'45"  | 1.053  |
| 01/03/2011 00:00:00 | ♂  | 04°42'10" ♈ | -10°46'21" | -01°03'36" | 00°47'22"  | 2.365  |
| 01/03/2011 00:00:00 | ♃  | 07°45'12" ♏ | 02°03'21"  | -01°06'37" | 00°13'42"  | 5.804  |
| 01/03/2011 00:00:00 | ♅  | 16°15'24" ♋ | -03°55'43" | 02°40'05"  | -00°03'16" | 8.786  |
| 01/03/2011 00:00:00 | ♁  | 29°23'04" ♈ | -00°53'41" | -00°42'30" | 00°03'16"  | 21.020 |
| 01/03/2011 00:00:00 | ♃  | 28°49'14" ♎ | -12°20'28" | -00°29'17" | 00°02'14"  | 30.983 |
| 01/03/2011 00:00:00 | ♁  | 07°06'19" ♎ | -18°46'07" | 04°29'05"  | 00°01'12"  | 32.424 |
| 01/03/2011 00:00:00 | ♁  | 00°20'39" ♎ | -23°26'14" | 00°00'00"  | -00°04'35" | 0.003  |
| 01/03/2011 00:00:00 | ♃  | 01°22'26" ♈ | -05°44'58" | 05°35'46"  | 00°04'03"  | 17.634 |
| 01/03/2011 00:00:00 | ♁  | 27°29'16" ♈ | 03°43'12"  | 05°08'35"  | 00°06'43"  | 0.003  |
| 01/03/2011 00:00:00 | T♁ | 00°20'39" ♎ | -23°26'14" | 00°00'00"  | -00°04'35" | 0.003  |
| 01/03/2011 00:00:00 | T♃ | 12°26'48" ♈ | -02°26'45" | 04°48'19"  | 03°49'38"  | 0.003  |
| 01/03/2011 00:00:00 | X  | 21°22'49" ♏ | -04°03'52" | -13°21'27" | 00°00'30"  | 97.334 |
| 01/03/2011 00:00:00 | Y  | 21°33'25" ♏ | 06°39'49"  | -11°52'34" | 00°00'18"  | 87.555 |
| 02/03/2011 00:00:00 | ☉  | 11°03'02" ♈ | -07°25'16" | 00°00'00"  | 01°00'14"  | 0.991  |
| 02/03/2011 00:00:00 | ☾  | 09°31'38" ♎ | -14°47'11" | 03°11'34"  | 12°08'11"  | 0.003  |
| 02/03/2011 00:00:00 | ♀  | 15°07'48" ♈ | -07°13'29" | -01°28'54" | 01°54'43"  | 1.340  |
| 02/03/2011 00:00:00 | ♀  | 29°52'11" ♎ | -19°21'23" | 00°50'19"  | 01°10'49"  | 1.060  |



Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 02/03/2011 00:00:00 | ♂ | 05°29'32" ♈ | -10°28'50" | -01°03'27" | 00°47'22"  | 2.364  |
| 02/03/2011 00:00:00 | ♃ | 07°58'57" ♈ | 02°08'51"  | -01°06'31" | 00°13'45"  | 5.811  |
| 02/03/2011 00:00:00 | ♅ | 16°12'05" ♈ | -03°54'16" | 02°40'17"  | -00°03'21" | 8.777  |
| 02/03/2011 00:00:00 | ♁ | 29°26'21" ♈ | -00°52'22" | -00°42'29" | 00°03'17"  | 21.025 |
| 02/03/2011 00:00:00 | ♃ | 28°51'29" ♈ | -12°19'42" | -00°29'17" | 00°02'14"  | 30.980 |
| 02/03/2011 00:00:00 | ♁ | 07°07'30" ♈ | -18°46'02" | 04°29'07"  | 00°01'10"  | 32.409 |
| 02/03/2011 00:00:00 | ♁ | 00°14'35" ♈ | -23°26'15" | 00°00'00"  | -00°07'34" | 0.003  |
| 02/03/2011 00:00:00 | ♃ | 01°26'30" ♈ | -05°43'32" | 05°35'47"  | 00°04'03"  | 17.633 |
| 02/03/2011 00:00:00 | ♁ | 27°36'00" ♈ | 03°45'54"  | 05°08'36"  | 00°06'43"  | 0.003  |
| 02/03/2011 00:00:00 | ♁ | 00°14'35" ♈ | -23°26'15" | 00°00'00"  | -00°07'34" | 0.003  |
| 02/03/2011 00:00:00 | ♁ | 16°23'11" ♈ | -00°51'50" | 04°53'21"  | 03°59'42"  | 0.003  |
| 02/03/2011 00:00:00 | X | 21°23'19" ♈ | -04°03'34" | -13°21'19" | 00°00'30"  | 97.345 |
| 02/03/2011 00:00:00 | Y | 21°33'43" ♈ | 06°40'01"  | -11°52'27" | 00°00'18"  | 87.570 |
| 03/03/2011 00:00:00 | ♁ | 12°03'15" ♈ | -07°02'21" | 00°00'00"  | 01°00'12"  | 0.991  |
| 03/03/2011 00:00:00 | ♁ | 21°36'33" ♈ | -10°34'18" | 03°56'06"  | 12°01'57"  | 0.003  |
| 03/03/2011 00:00:00 | ♁ | 17°02'47" ♈ | -06°22'39" | -01°22'14" | 01°55'13"  | 1.330  |
| 03/03/2011 00:00:00 | ♀ | 01°03'02" ♈ | -19°10'06" | 00°46'24"  | 01°10'53"  | 1.067  |
| 03/03/2011 00:00:00 | ♂ | 06°16'54" ♈ | -10°11'13" | -01°03'19" | 00°47'21"  | 2.364  |
| 03/03/2011 00:00:00 | ♃ | 08°12'44" ♈ | 02°14'21"  | -01°06'26" | 00°13'48"  | 5.819  |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 03/03/2011 00:00:00 | ♃ | 16°08'41" ♈ | -03°52'47" | 02°40'29"  | -00°03'25" | 8.767  |
| 03/03/2011 00:00:00 | ♅ | 29°29'39" ♋ | -00°51'02" | -00°42'29" | 00°03'18"  | 21.031 |
| 03/03/2011 00:00:00 | ♆ | 28°53'43" ♌ | -12°18'56" | -00°29'18" | 00°02'14"  | 30.976 |
| 03/03/2011 00:00:00 | ♁ | 07°08'40" ♉ | -18°45'56" | 04°29'08"  | 00°01'08"  | 32.395 |
| 03/03/2011 00:00:00 | ♄ | 00°05'32" ♈ | -23°26'16" | 00°00'00"  | -00°10'27" | 0.003  |
| 03/03/2011 00:00:00 | ♂ | 01°30'32" ♋ | -05°42'07" | 05°35'47"  | 00°04'02"  | 17.631 |
| 03/03/2011 00:00:00 | ♁ | 27°42'43" ♋ | 03°48'35"  | 05°08'38"  | 00°06'43"  | 0.003  |
| 03/03/2011 00:00:00 | ♄ | 00°05'32" ♈ | -23°26'16" | 00°00'00"  | -00°10'27" | 0.003  |
| 03/03/2011 00:00:00 | ♁ | 20°20'02" ♋ | 00°43'24"  | 04°56'59"  | 03°51'22"  | 0.003  |
| 03/03/2011 00:00:00 | X | 21°23'50" ♋ | -04°03'16" | -13°21'12" | 00°00'30"  | 97.356 |
| 03/03/2011 00:00:00 | Y | 21°34'02" ♋ | 06°40'14"  | -11°52'19" | 00°00'19"  | 87.585 |
| 04/03/2011 00:00:00 | ♃ | 13°03'27" ♋ | -06°39'21" | 00°00'00"  | 01°00'10"  | 0.991  |
| 04/03/2011 00:00:00 | ♄ | 03°36'07" ♋ | -05°59'31" | 04°29'42"  | 11°57'24"  | 0.003  |
| 04/03/2011 00:00:00 | ♁ | 18°58'11" ♋ | -05°30'51" | -01°14'58" | 01°55'35"  | 1.318  |
| 04/03/2011 00:00:00 | ♆ | 02°13'58" ♌ | -18°58'15" | 00°42'29"  | 01°10'57"  | 1.074  |
| 04/03/2011 00:00:00 | ♂ | 07°04'16" ♋ | -09°53'31" | -01°03'10" | 00°47'21"  | 2.363  |
| 04/03/2011 00:00:00 | ♁ | 08°26'33" ♋ | 02°19'53"  | -01°06'21" | 00°13'50"  | 5.826  |
| 04/03/2011 00:00:00 | ♃ | 16°05'13" ♈ | -03°51'17" | 02°40'41"  | -00°03'30" | 8.758  |
| 04/03/2011 00:00:00 | ♅ | 29°32'58" ♋ | -00°49'43" | -00°42'28" | 00°03'19"  | 21.036 |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 04/03/2011 00:00:00 | ♁ | 28°55'57" ♁ | -12°18'10" | -00°29'19" | 00°02'13"  | 30.972 |
| 04/03/2011 00:00:00 | ♁ | 07°09'47" ♁ | -18°45'51" | 04°29'10"  | 00°01'07"  | 32.380 |
| 04/03/2011 00:00:00 | ♁ | 29°53'52" ♁ | -23°26'16" | 00°00'00"  | -00°12'46" | 0.003  |
| 04/03/2011 00:00:00 | ♁ | 01°34'35" ♁ | -05°40'41" | 05°35'48"  | 00°04'01"  | 17.630 |
| 04/03/2011 00:00:00 | ♁ | 27°49'26" ♁ | 03°51'16"  | 05°08'39"  | 00°06'43"  | 0.003  |
| 04/03/2011 00:00:00 | ♁ | 29°53'52" ♁ | -23°26'16" | 00°00'00"  | -00°12'46" | 0.003  |
| 04/03/2011 00:00:00 | ♁ | 24°02'01" ♁ | 02°12'31"  | 04°59'07"  | 03°31'23"  | 0.003  |
| 04/03/2011 00:00:00 | X | 21°24'21" ♁ | -04°02'58" | -13°21'04" | 00°00'31"  | 97.367 |
| 04/03/2011 00:00:00 | Y | 21°34'22" ♁ | 06°40'26"  | -11°52'11" | 00°00'20"  | 87.600 |
| 05/03/2011 00:00:00 | ♁ | 14°03'37" ♁ | -06°16'15" | 00°00'00"  | 01°00'09"  | 0.992  |
| 05/03/2011 00:00:00 | ♁ | 15°31'49" ♁ | -01°13'35" | 04°51'11"  | 11°54'10"  | 0.003  |
| 05/03/2011 00:00:00 | ♁ | 20°53'53" ♁ | -04°38'09" | -01°07'07" | 01°55'47"  | 1.306  |
| 05/03/2011 00:00:00 | ♁ | 03°24'57" ♁ | -18°45'52" | 00°38'35"  | 01°11'01"  | 1.081  |
| 05/03/2011 00:00:00 | ♁ | 07°51'37" ♁ | -09°35'43" | -01°03'00" | 00°47'20"  | 2.363  |
| 05/03/2011 00:00:00 | ♁ | 08°40'25" ♁ | 02°25'25"  | -01°06'16" | 00°13'53"  | 5.833  |
| 05/03/2011 00:00:00 | ♁ | 16°01'41" ♁ | -03°49'45" | 02°40'52"  | -00°03'34" | 8.749  |
| 05/03/2011 00:00:00 | ♁ | 29°36'18" ♁ | -00°48'22" | -00°42'27" | 00°03'19"  | 21.041 |
| 05/03/2011 00:00:00 | ♁ | 28°58'10" ♁ | -12°17'24" | -00°29'20" | 00°02'13"  | 30.968 |
| 05/03/2011 00:00:00 | ♁ | 07°10'54" ♁ | -18°45'46" | 04°29'12"  | 00°01'05"  | 32.364 |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 05/03/2011 00:00:00 | ♄  | 29°40'19" ⚹ | -23°26'15" | 00°00'00"  | -00°14'08" | 0.003  |
| 05/03/2011 00:00:00 | ♃  | 01°38'36" ⚹ | -05°39'16" | 05°35'49"  | 00°04'01"  | 17.628 |
| 05/03/2011 00:00:00 | ♁  | 27°56'10" ⚹ | 03°53'57"  | 05°08'40"  | 00°06'43"  | 0.003  |
| 05/03/2011 00:00:00 | T♄ | 29°40'19" ⚹ | -23°26'15" | 00°00'00"  | -00°14'08" | 0.003  |
| 05/03/2011 00:00:00 | T♁ | 27°22'02" ⚹ | 03°32'28"  | 05°00'00"  | 03°08'58"  | 0.003  |
| 05/03/2011 00:00:00 | X  | 21°24'52" ⚹ | -04°02'40" | -13°20'57" | 00°00'31"  | 97.377 |
| 05/03/2011 00:00:00 | Y  | 21°34'42" ⚹ | 06°40'39"  | -11°52'03" | 00°00'20"  | 87.615 |
| 06/03/2011 00:00:00 | ♅  | 15°03'45" ⚹ | -05°53'04" | 00°00'00"  | 01°00'07"  | 0.992  |
| 06/03/2011 00:00:00 | ♃  | 27°24'53" ⚹ | 03°33'29"  | 04°59'53"  | 11°52'09"  | 0.003  |
| 06/03/2011 00:00:00 | ♁  | 22°49'42" ⚹ | -03°44'40" | -00°58'40" | 01°55'47"  | 1.292  |
| 06/03/2011 00:00:00 | ♁  | 04°36'00" ⚹ | -18°32'57" | 00°34'43"  | 01°11'04"  | 1.088  |
| 06/03/2011 00:00:00 | ♂  | 08°38'57" ⚹ | -09°17'51" | -01°02'50" | 00°47'20"  | 2.362  |
| 06/03/2011 00:00:00 | ♃  | 08°54'20" ⚹ | 02°30'58"  | -01°06'11" | 00°13'55"  | 5.839  |
| 06/03/2011 00:00:00 | ♃  | 15°58'04" ⚹ | -03°48'12" | 02°41'03"  | -00°03'38" | 8.740  |
| 06/03/2011 00:00:00 | ♃  | 29°39'38" ⚹ | -00°47'02" | -00°42'26" | 00°03'20"  | 21.046 |
| 06/03/2011 00:00:00 | ♁  | 29°00'23" ⚹ | -12°16'39" | -00°29'21" | 00°02'12"  | 30.964 |
| 06/03/2011 00:00:00 | ♃  | 07°11'58" ⚹ | -18°45'40" | 04°29'14"  | 00°01'03"  | 32.349 |
| 06/03/2011 00:00:00 | ♄  | 29°25'58" ⚹ | -23°26'12" | 00°00'00"  | -00°14'21" | 0.003  |
| 06/03/2011 00:00:00 | ♃  | 01°42'37" ⚹ | -05°37'50" | 05°35'51"  | 00°04'00"  | 17.625 |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 06/03/2011 00:00:00 | ☾ | 28°02'53" ♀ | 03°56'38"  | 05°08'41"  | 00°06'43"  | 0.003  |
| 06/03/2011 00:00:00 | ♄ | 29°25'58" ♀ | -23°26'12" | 00°00'00"  | -00°14'21" | 0.003  |
| 06/03/2011 00:00:00 | ♃ | 00°21'41" ♀ | 04°43'51"  | 05°00'02"  | 02°51'30"  | 0.003  |
| 06/03/2011 00:00:00 | X | 21°25'24" ♀ | -04°02'22" | -13°20'50" | 00°00'31"  | 97.387 |
| 06/03/2011 00:00:00 | Y | 21°35'03" ♂ | 06°40'51"  | -11°51'55" | 00°00'21"  | 87.630 |
| 07/03/2011 00:00:00 | ☉ | 16°03'51" ♀ | -05°29'48" | 00°00'00"  | 01°00'05"  | 0.992  |
| 07/03/2011 00:00:00 | ☾ | 09°16'36" ♀ | 08°12'07"  | 04°55'33"  | 11°51'32"  | 0.003  |
| 07/03/2011 00:00:00 | ♀ | 24°45'25" ♀ | -02°50'33" | -00°49'38" | 01°55'35"  | 1.277  |
| 07/03/2011 00:00:00 | ♀ | 05°47'06" ♀ | -18°19'31" | 00°30'52"  | 01°11'08"  | 1.095  |
| 07/03/2011 00:00:00 | ♂ | 09°26'17" ♀ | -08°59'53" | -01°02'40" | 00°47'19"  | 2.362  |
| 07/03/2011 00:00:00 | ♃ | 09°08'17" ♀ | 02°36'31"  | -01°06'06" | 00°13'58"  | 5.846  |
| 07/03/2011 00:00:00 | ♃ | 15°54'24" ♀ | -03°46'38" | 02°41'13"  | -00°03'42" | 8.732  |
| 07/03/2011 00:00:00 | ♃ | 29°42'59" ♀ | -00°45'42" | -00°42'26" | 00°03'21"  | 21.050 |
| 07/03/2011 00:00:00 | ♃ | 29°02'35" ♀ | -12°15'53" | -00°29'22" | 00°02'12"  | 30.959 |
| 07/03/2011 00:00:00 | ♃ | 07°13'01" ♀ | -18°45'35" | 04°29'16"  | 00°01'01"  | 32.334 |
| 07/03/2011 00:00:00 | ♄ | 29°12'01" ♀ | -23°26'07" | 00°00'00"  | -00°13'22" | 0.003  |
| 07/03/2011 00:00:00 | ♃ | 01°46'37" ♀ | -05°36'24" | 05°35'53"  | 00°03'59"  | 17.623 |
| 07/03/2011 00:00:00 | ☾ | 28°09'36" ♀ | 03°59'19"  | 05°08'42"  | 00°06'43"  | 0.003  |
| 07/03/2011 00:00:00 | ♄ | 29°12'01" ♀ | -23°26'07" | 00°00'00"  | -00°13'22" | 0.003  |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 07/03/2011 00:00:00 | T♄ | 03°07'18" ♀ | 05°49'11"  | 04°59'27"  | 02°40'37"  | 0.003  |
| 07/03/2011 00:00:00 | X  | 21°25'56" ♀ | -04°02'04" | -13°20'43" | 00°00'32"  | 97.397 |
| 07/03/2011 00:00:00 | Y  | 21°35'25" ♂ | 06°41'04"  | -11°51'47" | 00°00'22"  | 87.645 |
| 08/03/2011 00:00:00 | ☉  | 17°03'56" ♀ | -05°06'28" | 00°00'00"  | 01°00'03"  | 0.992  |
| 08/03/2011 00:00:00 | ☾  | 21°08'35" ♀ | 12°32'44"  | 04°38'23"  | 11°52'45"  | 0.003  |
| 08/03/2011 00:00:00 | ♀  | 26°40'47" ♀ | -01°55'56" | -00°40'02" | 01°55'06"  | 1.261  |
| 08/03/2011 00:00:00 | ♀  | 06°58'16" ♀ | -18°05'33" | 00°27'02"  | 01°11'11"  | 1.102  |
| 08/03/2011 00:00:00 | ♂  | 10°13'36" ♀ | -08°41'50" | -01°02'30" | 00°47'18"  | 2.361  |
| 08/03/2011 00:00:00 | ♃  | 09°22'16" ♀ | 02°42'05"  | -01°06'01" | 00°14'00"  | 5.852  |
| 08/03/2011 00:00:00 | ♅  | 15°50'39" ♀ | -03°45'02" | 02°41'24"  | -00°03'46" | 8.724  |
| 08/03/2011 00:00:00 | ♁  | 29°46'20" ♀ | -00°44'21" | -00°42'25" | 00°03'21"  | 21.054 |
| 08/03/2011 00:00:00 | ♃  | 29°04'47" ♀ | -12°15'08" | -00°29'22" | 00°02'11"  | 30.954 |
| 08/03/2011 00:00:00 | ♁  | 07°14'02" ♂ | -18°45'30" | 04°29'18"  | 00°01'00"  | 32.318 |
| 08/03/2011 00:00:00 | ♁  | 28°59'35" ♂ | -23°26'02" | 00°00'00"  | -00°11'20" | 0.003  |
| 08/03/2011 00:00:00 | ♃  | 01°50'37" ♀ | -05°34'58" | 05°35'55"  | 00°03'58"  | 17.620 |
| 08/03/2011 00:00:00 | ♁  | 28°16'20" ♀ | 04°01'59"  | 05°08'42"  | 00°06'43"  | 0.003  |
| 08/03/2011 00:00:00 | T♁ | 28°59'35" ♂ | -23°26'02" | 00°00'00"  | -00°11'20" | 0.003  |
| 08/03/2011 00:00:00 | T♄ | 05°43'48" ♀ | 06°50'25"  | 04°58'24"  | 02°32'16"  | 0.003  |
| 08/03/2011 00:00:00 | X  | 21°26'29" ♀ | -04°01'46" | -13°20'36" | 00°00'32"  | 97.407 |

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|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 08/03/2011 00:00:00 | Y  | 21°35'47" ♃ | 06°41'17"  | -11°51'40" | 00°00'22"  | 87.659 |
| 09/03/2011 00:00:00 | ☉  | 18°03'58" ♉ | -04°43'03" | 00°00'00"  | 01°00'01"  | 0.993  |
| 09/03/2011 00:00:00 | ☾  | 03°02'57" ♃ | 16°25'29"  | 04°09'01"  | 11°56'26"  | 0.003  |
| 09/03/2011 00:00:00 | ♀  | 28°35'33" ♉ | -01°00'59" | -00°29'51" | 01°54'20"  | 1.244  |
| 09/03/2011 00:00:00 | ♀  | 08°09'29" ♁ | -17°51'04" | 00°23'14"  | 01°11'14"  | 1.109  |
| 09/03/2011 00:00:00 | ♂  | 11°00'55" ♉ | -08°23'43" | -01°02'19" | 00°47'17"  | 2.361  |
| 09/03/2011 00:00:00 | ♃  | 09°36'18" ♀ | 02°47'40"  | -01°05'57" | 00°14'02"  | 5.858  |
| 09/03/2011 00:00:00 | ♃  | 15°46'51" ♃ | -03°43'25" | 02°41'34"  | -00°03'50" | 8.716  |
| 09/03/2011 00:00:00 | ♃  | 29°49'43" ♉ | -00°43'00" | -00°42'24" | 00°03'22"  | 21.058 |
| 09/03/2011 00:00:00 | ♃  | 29°06'58" ♁ | -12°14'23" | -00°29'23" | 00°02'10"  | 30.949 |
| 09/03/2011 00:00:00 | ♃  | 07°15'01" ♃ | -18°45'24" | 04°29'20"  | 00°00'58"  | 32.303 |
| 09/03/2011 00:00:00 | ♁  | 28°49'33" ♃ | -23°25'57" | 00°00'00"  | -00°08'37" | 0.003  |
| 09/03/2011 00:00:00 | ♃  | 01°54'35" ♉ | -05°33'32" | 05°35'57"  | 00°03'58"  | 17.616 |
| 09/03/2011 00:00:00 | ♃  | 28°23'03" ♉ | 04°04'40"  | 05°08'43"  | 00°06'43"  | 0.003  |
| 09/03/2011 00:00:00 | T♁ | 28°49'33" ♃ | -23°25'57" | 00°00'00"  | -00°08'37" | 0.003  |
| 09/03/2011 00:00:00 | T♃ | 08°10'32" ♀ | 07°47'17"  | 04°56'57"  | 02°20'01"  | 0.003  |
| 09/03/2011 00:00:00 | X  | 21°27'02" ♀ | -04°01'28" | -13°20'29" | 00°00'33"  | 97.416 |
| 09/03/2011 00:00:00 | Y  | 21°36'10" ♃ | 06°41'30"  | -11°51'32" | 00°00'23"  | 87.674 |
| 10/03/2011 00:00:00 | ☉  | 19°03'58" ♉ | -04°19'35" | 00°00'00"  | 00°59'59"  | 0.993  |

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|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 10/03/2011 00:00:00 | ♃ | 15°02'31" ♄ | 19°39'57"  | 03°28'25"  | 12°03'18"  | 0.003  |
| 10/03/2011 00:00:00 | ♆ | 00°29'22" ♃ | -00°05'54" | -00°19'10" | 01°53'14"  | 1.225  |
| 10/03/2011 00:00:00 | ♀ | 09°20'45" ♁ | -17°36'05" | 00°19'28"  | 01°11'17"  | 1.115  |
| 10/03/2011 00:00:00 | ♂ | 11°48'12" ♃ | -08°05'32" | -01°02'07" | 00°47'17"  | 2.360  |
| 10/03/2011 00:00:00 | ♂ | 09°50'22" ♃ | 02°53'15"  | -01°05'53" | 00°14'04"  | 5.864  |
| 10/03/2011 00:00:00 | ♃ | 15°42'59" ♃ | -03°41'47" | 02°41'44"  | -00°03'53" | 8.708  |
| 10/03/2011 00:00:00 | ♃ | 29°53'05" ♃ | -00°41'39" | -00°42'24" | 00°03'23"  | 21.062 |
| 10/03/2011 00:00:00 | ♃ | 29°09'09" ♁ | -12°13'38" | -00°29'24" | 00°02'10"  | 30.943 |
| 10/03/2011 00:00:00 | ♃ | 07°15'58" ♃ | -18°45'19" | 04°29'22"  | 00°00'56"  | 32.287 |
| 10/03/2011 00:00:00 | ♃ | 28°42'25" ♃ | -23°25'53" | 00°00'00"  | -00°05'39" | 0.003  |
| 10/03/2011 00:00:00 | ♃ | 01°58'33" ♃ | -05°32'06" | 05°36'00"  | 00°03'57"  | 17.613 |
| 10/03/2011 00:00:00 | ♃ | 28°29'46" ♃ | 04°07'20"  | 05°08'43"  | 00°06'43"  | 0.003  |
| 10/03/2011 00:00:00 | ♃ | 28°42'25" ♃ | -23°25'53" | 00°00'00"  | -00°05'39" | 0.003  |
| 10/03/2011 00:00:00 | ♃ | 10°20'36" ♃ | 08°37'08"  | 04°55'17"  | 01°58'07"  | 0.003  |
| 10/03/2011 00:00:00 | X | 21°27'35" ♃ | -04°01'09" | -13°20'22" | 00°00'33"  | 97.425 |
| 10/03/2011 00:00:00 | Y | 21°36'34" ♄ | 06°41'43"  | -11°51'25" | 00°00'24"  | 87.688 |
| 11/03/2011 00:00:00 | ♃ | 20°03'56" ♃ | -03°56'04" | 00°00'00"  | 00°59'57"  | 0.993  |
| 11/03/2011 00:00:00 | ♃ | 27°10'52" ♄ | 22°05'17"  | 02°37'51"  | 12°14'05"  | 0.003  |
| 11/03/2011 00:00:00 | ♆ | 02°21'53" ♃ | 00°49'06"  | -00°07'58" | 01°51'45"  | 1.206  |



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|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 11/03/2011 00:00:00 | ♀ | 10°32'05" ♍ | -17°20'35" | 00°15'43"  | 01°11'20"  | 1.122  |
| 11/03/2011 00:00:00 | ♂ | 12°35'29" ♋ | -07°47'17" | -01°01'55" | 00°47'16"  | 2.360  |
| 11/03/2011 00:00:00 | ♃ | 10°04'28" ♏ | 02°58'50"  | -01°05'48" | 00°14'06"  | 5.870  |
| 11/03/2011 00:00:00 | ♄ | 15°39'03" ♉ | -03°40'08" | 02°41'53"  | -00°03'57" | 8.701  |
| 11/03/2011 00:00:00 | ♅ | 29°56'29" ♋ | -00°40'17" | -00°42'23" | 00°03'23"  | 21.065 |
| 11/03/2011 00:00:00 | ♆ | 29°11'19" ♍ | -12°12'54" | -00°29'25" | 00°02'09"  | 30.938 |
| 11/03/2011 00:00:00 | ♁ | 07°16'54" ♌ | -18°45'14" | 04°29'24"  | 00°00'54"  | 32.271 |
| 11/03/2011 00:00:00 | ♁ | 28°38'10" ♏ | -23°25'51" | 00°00'00"  | -00°02'55" | 0.002  |
| 11/03/2011 00:00:00 | ♃ | 02°02'30" ♋ | -05°30'40" | 05°36'03"  | 00°03'56"  | 17.609 |
| 11/03/2011 00:00:00 | ♃ | 28°36'30" ♋ | 04°10'01"  | 05°08'43"  | 00°06'43"  | 0.003  |
| 11/03/2011 00:00:00 | ♁ | 28°38'10" ♏ | -23°25'51" | 00°00'00"  | -00°02'55" | 0.002  |
| 11/03/2011 00:00:00 | ♁ | 12°02'22" ♏ | 09°15'46"  | 04°53'44"  | 01°23'05"  | 0.003  |
| 11/03/2011 00:00:00 | X | 21°28'09" ♏ | -04°00'51" | -13°20'16" | 00°00'33"  | 97.434 |
| 11/03/2011 00:00:00 | Y | 21°36'59" ♏ | 06°41'56"  | -11°51'17" | 00°00'24"  | 87.702 |
| 12/03/2011 00:00:00 | ♁ | 21°03'52" ♋ | -03°32'30" | 00°00'00"  | 00°59'54"  | 0.993  |
| 12/03/2011 00:00:00 | ♃ | 09°32'12" ♉ | 23°30'37"  | 01°38'58"  | 12°29'21"  | 0.003  |
| 12/03/2011 00:00:00 | ♃ | 04°12'44" ♏ | 01°43'49"  | 00°03'40"  | 01°49'51"  | 1.185  |
| 12/03/2011 00:00:00 | ♀ | 11°43'27" ♍ | -17°04'37" | 00°12'01"  | 01°11'23"  | 1.129  |
| 12/03/2011 00:00:00 | ♂ | 13°22'44" ♋ | -07°28'57" | -01°01'43" | 00°47'15"  | 2.359  |

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|                     |   |             |             |            |            |        |
|---------------------|---|-------------|-------------|------------|------------|--------|
| 12/03/2011 00:00:00 | ♈ | 10°18'35" ♀ | 03°04'26"   | -01°05'44" | 00°14'08"  | 5.875  |
| 12/03/2011 00:00:00 | ♉ | 15°35'04" ♀ | -03°38'28"  | 02°42'02"  | -00°04'00" | 8.694  |
| 12/03/2011 00:00:00 | ♊ | 29°59'52" ♀ | -00°38'56"  | -00°42'23" | 00°03'23"  | 21.068 |
| 12/03/2011 00:00:00 | ♋ | 29°13'29" ♀ | -12°12'09"  | -00°29'26" | 00°02'09"  | 30.932 |
| 12/03/2011 00:00:00 | ♌ | 07°17'48" ♀ | -18°45'09"  | 04°29'27"  | 00°00'53"  | 32.256 |
| 12/03/2011 00:00:00 | ♍ | 28°36'20" ♀ | -23°25'50"  | 00°00'00"  | -00°00'55" | 0.002  |
| 12/03/2011 00:00:00 | ♎ | 02°06'25" ♀ | -05°29'14"  | 05°36'07"  | 00°03'55"  | 17.605 |
| 12/03/2011 00:00:00 | ♏ | 28°43'13" ♀ | 04°12'41"   | 05°08'43"  | 00°06'43"  | 0.003  |
| 12/03/2011 00:00:00 | ♐ | 28°36'20" ♀ | -23°25'50"  | 00°00'00"  | -00°00'55" | 0.002  |
| 12/03/2011 00:00:00 | ♑ | 13°02'08" ♀ | 09°38'19"   | 04°52'46"  | 00°34'18"  | 0.003  |
| 12/03/2011 00:00:00 | ♒ | 21°28'43" ♀ | -04°00'33"  | -13°20'10" | 00°00'34"  | 97.443 |
| 12/03/2011 00:00:00 | ♓ | 21°37'24" ♀ | 06°42'09"   | -11°51'10" | 00°00'25"  | 87.716 |
| 13/03/2011 00:00:00 | ♈ | 22°03'46" ♀ | -03°08'54"  | -00°00'00" | 00°59'52"  | 0.994  |
| 13/03/2011 00:00:00 | ♉ | 22°11'11" ♀ | 23°46'15" ♀ | 00°33'51"  | 12°49'24"  | 0.003  |
| 13/03/2011 00:00:00 | ♊ | 06°01'28" ♀ | 02°37'59"   | 00°15'43"  | 01°47'32"  | 1.162  |
| 13/03/2011 00:00:00 | ♋ | 12°54'52" ♀ | -16°48'09"  | 00°08'21"  | 01°11'26"  | 1.136  |
| 13/03/2011 00:00:00 | ♌ | 14°09'59" ♀ | -07°10'34"  | -01°01'30" | 00°47'14"  | 2.359  |
| 13/03/2011 00:00:00 | ♍ | 10°32'45" ♀ | 03°10'03"   | -01°05'40" | 00°14'10"  | 5.881  |
| 13/03/2011 00:00:00 | ♎ | 15°31'02" ♀ | -03°36'47"  | 02°42'11"  | -00°04'03" | 8.687  |

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|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 13/03/2011 00:00:00 | ♃ | 00°03'17" ♀ | -00°37'34" | -00°42'22" | 00°03'24"  | 21.071 |
| 13/03/2011 00:00:00 | ♃ | 29°15'37" ♀ | -12°11'25" | -00°29'27" | 00°02'08"  | 30.925 |
| 13/03/2011 00:00:00 | ♃ | 07°18'41" ♀ | -18°45'04" | 04°29'29"  | 00°00'51"  | 32.240 |
| 13/03/2011 00:00:00 | ♃ | 28°35'58" ♀ | -23°25'49" | 00°00'00"  | 00°00'00"  | 0.002  |
| 13/03/2011 00:00:00 | ♃ | 02°10'20" ♀ | -05°27'48" | 05°36'10"  | 00°03'54"  | 17.601 |
| 13/03/2011 00:00:00 | ♃ | 28°49'57" ♀ | 04°15'21"  | 05°08'43"  | 00°06'43"  | 0.003  |
| 13/03/2011 00:00:00 | ♃ | 28°35'58" ♀ | -23°25'49" | 00°00'00"  | 00°00'00"  | 0.002  |
| 13/03/2011 00:00:00 | ♃ | 13°07'30" ♀ | 09°40'24"  | 04°52'45"  | -00°24'45" | 0.003  |
| 13/03/2011 00:00:00 | X | 21°29'18" ♀ | -04°00'15" | -13°20'03" | 00°00'34"  | 97.452 |
| 13/03/2011 00:00:00 | Y | 21°37'49" ♀ | 06°42'23"  | -11°51'03" | 00°00'26"  | 87.730 |
| 14/03/2011 00:00:00 | ♃ | 23°03'38" ♀ | -02°45'16" | -00°00'00" | 00°59'50"  | 0.994  |
| 14/03/2011 00:00:00 | ♃ | 05°12'32" ♀ | 22°45'16"  | -00°34'52" | 13°14'00"  | 0.003  |
| 14/03/2011 00:00:00 | ♃ | 07°47'39" ♀ | 03°31'20"  | 00°28'06"  | 01°44'44"  | 1.139  |
| 14/03/2011 00:00:00 | ♃ | 14°06'20" ♀ | -16°31'12" | 00°04'42"  | 01°11'29"  | 1.142  |
| 14/03/2011 00:00:00 | ♃ | 14°57'12" ♀ | -06°52'08" | -01°01'17" | 00°47'13"  | 2.358  |
| 14/03/2011 00:00:00 | ♃ | 10°46'56" ♀ | 03°15'40"  | -01°05'37" | 00°14'12"  | 5.886  |
| 14/03/2011 00:00:00 | ♃ | 15°26'56" ♀ | -03°35'05" | 02°42'20"  | -00°04'06" | 8.681  |
| 14/03/2011 00:00:00 | ♃ | 00°06'41" ♀ | -00°36'12" | -00°42'22" | 00°03'24"  | 21.073 |
| 14/03/2011 00:00:00 | ♃ | 29°17'45" ♀ | -12°10'41" | -00°29'28" | 00°02'07"  | 30.919 |

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|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 14/03/2011 00:00:00 | ♁ | 07°19'31" ♁ | -18°44'59" | 04°29'31"  | 00°00'49"  | 32.224 |
| 14/03/2011 00:00:00 | ♁ | 28°35'55" ♁ | -23°25'49" | 00°00'00"  | -00°00'19" | 0.002  |
| 14/03/2011 00:00:00 | ♁ | 02°14'14" ♁ | -05°26'22" | 05°36'14"  | 00°03'53"  | 17.597 |
| 14/03/2011 00:00:00 | ♁ | 28°56'40" ♁ | 04°18'01"  | 05°08'42"  | 00°06'43"  | 0.003  |
| 14/03/2011 00:00:00 | ♁ | 28°35'55" ♁ | -23°25'49" | 00°00'00"  | -00°00'19" | 0.002  |
| 14/03/2011 00:00:00 | ♁ | 12°12'06" ♁ | 09°19'40"  | 04°53'49"  | -01°25'13" | 0.003  |
| 14/03/2011 00:00:00 | X | 21°29'53" ♁ | -03°59'56" | -13°19'57" | 00°00'34"  | 97.460 |
| 14/03/2011 00:00:00 | Y | 21°38'16" ♁ | 06°42'36"  | -11°50'55" | 00°00'26"  | 87.744 |
| 15/03/2011 00:00:00 | ♁ | 24°03'27" ♁ | -02°21'36" | -00°00'00" | 00°59'48"  | 0.994  |
| 15/03/2011 00:00:00 | ♁ | 18°40'24" ♁ | 20°25'13"  | -01°43'56" | 13°42'12"  | 0.003  |
| 15/03/2011 00:00:00 | ♁ | 09°30'47" ♁ | 04°23'37"  | 00°40'45"  | 01°41'27"  | 1.115  |
| 15/03/2011 00:00:00 | ♁ | 15°17'51" ♁ | -16°13'47" | 00°01'07"  | 01°11'32"  | 1.149  |
| 15/03/2011 00:00:00 | ♁ | 15°44'25" ♁ | -06°33'38" | -01°01'04" | 00°47'11"  | 2.358  |
| 15/03/2011 00:00:00 | ♁ | 11°01'09" ♁ | 03°21'17"  | -01°05'33" | 00°14'13"  | 5.891  |
| 15/03/2011 00:00:00 | ♁ | 15°22'48" ♁ | -03°33'22" | 02°42'28"  | -00°04'09" | 8.675  |
| 15/03/2011 00:00:00 | ♁ | 00°10'06" ♁ | -00°34'51" | -00°42'22" | 00°03'24"  | 21.075 |
| 15/03/2011 00:00:00 | ♁ | 29°19'53" ♁ | -12°09'58" | -00°29'29" | 00°02'06"  | 30.912 |
| 15/03/2011 00:00:00 | ♁ | 07°20'20" ♁ | -18°44'54" | 04°29'34"  | 00°00'47"  | 32.208 |
| 15/03/2011 00:00:00 | ♁ | 28°34'56" ♁ | -23°25'49" | 00°00'00"  | -00°01'50" | 0.002  |

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|                     |    |              |            |            |            |        |
|---------------------|----|--------------|------------|------------|------------|--------|
| 15/03/2011 00:00:00 | ♄  | 02°18'06" ♈  | -05°24'56" | 05°36'18"  | 00°03'51"  | 17.592 |
| 15/03/2011 00:00:00 | ♁  | 29°03'24" ♈  | 04°20'41"  | 05°08'42"  | 00°06'43"  | 0.003  |
| 15/03/2011 00:00:00 | ♄♁ | 28°34'56" ♈r | -23°25'49" | 00°00'00"  | -00°01'50" | 0.002  |
| 15/03/2011 00:00:00 | ♄♁ | 10°21'08" ♈r | 08°37'38"  | 04°55'35"  | -02°13'27" | 0.003  |
| 15/03/2011 00:00:00 | X  | 21°30'28" ♈  | -03°59'38" | -13°19'51" | 00°00'35"  | 97.468 |
| 15/03/2011 00:00:00 | Y  | 21°38'43" ♉  | 06°42'49"  | -11°50'48" | 00°00'27"  | 87.758 |
| 16/03/2011 00:00:00 | ♁  | 25°03'14" ♈  | -01°57'55" | -00°00'00" | 00°59'45"  | 0.995  |
| 16/03/2011 00:00:00 | ♃  | 02°37'32" ♉  | 16°49'27"  | -02°49'14" | 14°12'05"  | 0.002  |
| 16/03/2011 00:00:00 | ♁  | 11°10'24" ♈  | 05°14'32"  | 00°53'35"  | 01°37'40"  | 1.090  |
| 16/03/2011 00:00:00 | ♁  | 16°29'24" ♈  | -15°55'55" | -00°02'26" | 01°11'34"  | 1.156  |
| 16/03/2011 00:00:00 | ♂  | 16°31'36" ♈  | -06°15'05" | -01°00'50" | 00°47'10"  | 2.357  |
| 16/03/2011 00:00:00 | ♁  | 11°15'24" ♈  | 03°26'54"  | -01°05'29" | 00°14'15"  | 5.895  |
| 16/03/2011 00:00:00 | ♁  | 15°18'36" ♈r | -03°31'38" | 02°42'36"  | -00°04'12" | 8.669  |
| 16/03/2011 00:00:00 | ♁  | 00°13'31" ♈  | -00°33'29" | -00°42'21" | 00°03'25"  | 21.077 |
| 16/03/2011 00:00:00 | ♁  | 29°21'59" ♈  | -12°09'14" | -00°29'30" | 00°02'06"  | 30.905 |
| 16/03/2011 00:00:00 | ♁  | 07°21'06" ♈  | -18°44'49" | 04°29'36"  | 00°00'45"  | 32.192 |
| 16/03/2011 00:00:00 | ♁  | 28°31'56" ♈r | -23°25'47" | 00°00'00"  | -00°04'15" | 0.003  |
| 16/03/2011 00:00:00 | ♄  | 02°21'58" ♈  | -05°23'31" | 05°36'23"  | 00°03'50"  | 17.587 |
| 16/03/2011 00:00:00 | ♁  | 29°10'07" ♈  | 04°23'20"  | 05°08'41"  | 00°06'43"  | 0.003  |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 16/03/2011 00:00:00 | T♄ | 28°31'56" ♏ | -23°25'47" | 00°00'00"  | -00°04'15" | 0.003  |
| 16/03/2011 00:00:00 | T♄ | 07°53'36" ♏ | 07°40'59"  | 04°57'24"  | -02°36'48" | 0.003  |
| 16/03/2011 00:00:00 | X  | 21°31'03" ♏ | -03°59'20" | -13°19'45" | 00°00'35"  | 97.475 |
| 16/03/2011 00:00:00 | Y  | 21°39'10" ♏ | 06°43'03"  | -11°50'41" | 00°00'27"  | 87.771 |
| 17/03/2011 00:00:00 | ♁  | 26°02'59" ♏ | -01°34'12" | -00°00'00" | 00°59'43"  | 0.995  |
| 17/03/2011 00:00:00 | ♂  | 17°04'10" ♏ | 12°07'30"  | -03°46'01" | 14°40'41"  | 0.002  |
| 17/03/2011 00:00:00 | ♀  | 12°45'59" ♏ | 06°03'48"  | 01°06'30"  | 01°33'24"  | 1.064  |
| 17/03/2011 00:00:00 | ♀  | 17°41'00" ♏ | -15°37'35" | -00°05'57" | 01°11'37"  | 1.162  |
| 17/03/2011 00:00:00 | ♂  | 17°18'46" ♏ | -05°56'29" | -01°00'35" | 00°47'09"  | 2.356  |
| 17/03/2011 00:00:00 | ♃  | 11°29'40" ♏ | 03°32'32"  | -01°05'26" | 00°14'16"  | 5.900  |
| 17/03/2011 00:00:00 | ♃  | 15°14'22" ♏ | -03°29'54" | 02°42'44"  | -00°04'15" | 8.663  |
| 17/03/2011 00:00:00 | ♃  | 00°16'56" ♏ | -00°32'07" | -00°42'21" | 00°03'25"  | 21.079 |
| 17/03/2011 00:00:00 | ♃  | 29°24'05" ♏ | -12°08'31" | -00°29'31" | 00°02'05"  | 30.897 |
| 17/03/2011 00:00:00 | ♃  | 07°21'51" ♏ | -18°44'44" | 04°29'39"  | 00°00'43"  | 32.175 |
| 17/03/2011 00:00:00 | ♁  | 28°26'17" ♏ | -23°25'43" | 00°00'00"  | -00°07'01" | 0.003  |
| 17/03/2011 00:00:00 | ♁  | 02°25'48" ♏ | -05°22'05" | 05°36'28"  | 00°03'49"  | 17.582 |
| 17/03/2011 00:00:00 | ♁  | 29°16'51" ♏ | 04°26'00"  | 05°08'40"  | 00°06'43"  | 0.003  |
| 17/03/2011 00:00:00 | T♄ | 28°26'17" ♏ | -23°25'43" | 00°00'00"  | -00°07'01" | 0.003  |
| 17/03/2011 00:00:00 | T♄ | 05°16'49" ♏ | 06°39'59"  | 04°58'42"  | -02°32'45" | 0.003  |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 17/03/2011 00:00:00 | X  | 21°31'39" ♀ | -03°59'02" | -13°19'39" | 00°00'35"  | 97.483 |
| 17/03/2011 00:00:00 | Y  | 21°39'38" ♂ | 06°43'17"  | -11°50'34" | 00°00'28"  | 87.785 |
| 18/03/2011 00:00:00 | ☉  | 27°02'42" ♉ | -01°10'30" | -00°00'00" | 00°59'41"  | 0.995  |
| 18/03/2011 00:00:00 | ☾  | 01°57'15" ♋ | 06°34'58"  | -04°29'18" | 15°04'17"  | 0.002  |
| 18/03/2011 00:00:00 | ♀  | 14°17'03" ♀ | 06°51'09"  | 01°19'26"  | 01°28'39"  | 1.038  |
| 18/03/2011 00:00:00 | ♀  | 18°52'39" ♁ | -15°18'49" | -00°09'25" | 01°11'39"  | 1.169  |
| 18/03/2011 00:00:00 | ♂  | 18°05'55" ♉ | -05°37'51" | -01°00'21" | 00°47'08"  | 2.356  |
| 18/03/2011 00:00:00 | ♋  | 11°43'57" ♀ | 03°38'09"  | -01°05'22" | 00°14'18"  | 5.904  |
| 18/03/2011 00:00:00 | ♌  | 15°10'05" ♉ | -03°28'08" | 02°42'51"  | -00°04'18" | 8.658  |
| 18/03/2011 00:00:00 | ♍  | 00°20'22" ♀ | -00°30'45" | -00°42'21" | 00°03'25"  | 21.080 |
| 18/03/2011 00:00:00 | ♎  | 29°26'10" ♁ | -12°07'49" | -00°29'32" | 00°02'04"  | 30.890 |
| 18/03/2011 00:00:00 | ♏  | 07°22'34" ♎ | -18°44'39" | 04°29'41"  | 00°00'42"  | 32.159 |
| 18/03/2011 00:00:00 | ♐  | 28°17'58" ♏ | -23°25'37" | 00°00'00"  | -00°09'30" | 0.003  |
| 18/03/2011 00:00:00 | ♑  | 02°29'36" ♉ | -05°20'40" | 05°36'33"  | 00°03'48"  | 17.576 |
| 18/03/2011 00:00:00 | ♒  | 29°23'34" ♉ | 04°28'39"  | 05°08'39"  | 00°06'43"  | 0.003  |
| 18/03/2011 00:00:00 | T♏ | 28°17'58" ♏ | -23°25'37" | 00°00'00"  | -00°09'30" | 0.003  |
| 18/03/2011 00:00:00 | T♑ | 02°53'39" ♀ | 05°43'42"  | 04°59'24"  | -02°12'15" | 0.003  |
| 18/03/2011 00:00:00 | X  | 21°32'15" ♀ | -03°58'43" | -13°19'34" | 00°00'35"  | 97.490 |
| 18/03/2011 00:00:00 | Y  | 21°40'07" ♂ | 06°43'30"  | -11°50'27" | 00°00'28"  | 87.798 |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 19/03/2011 00:00:00 | ♁  | 28°02'22" ♈ | -00°46'47" | -00°00'00" | 00°59'39"  | 0.995  |
| 19/03/2011 00:00:00 | ♃  | 17°09'51" ♉ | 00°32'41"  | -04°54'36" | 15°19'11"  | 0.002  |
| 19/03/2011 00:00:00 | ♄  | 15°43'09" ♊ | 07°36'18"  | 01°32'16"  | 01°23'26"  | 1.011  |
| 19/03/2011 00:00:00 | ♅  | 20°04'20" ♋ | -14°59'37" | -00°12'50" | 01°11'42"  | 1.176  |
| 19/03/2011 00:00:00 | ♆  | 18°53'03" ♌ | -05°19'10" | -01°00'05" | 00°47'06"  | 2.355  |
| 19/03/2011 00:00:00 | ♇  | 11°58'16" ♍ | 03°43'47"  | -01°05'19" | 00°14'19"  | 5.908  |
| 19/03/2011 00:00:00 | ♈  | 15°05'46" ♎ | -03°26'22" | 02°42'58"  | -00°04'20" | 8.653  |
| 19/03/2011 00:00:00 | ♉  | 00°23'47" ♏ | -00°29'23" | -00°42'20" | 00°03'25"  | 21.081 |
| 19/03/2011 00:00:00 | ♊  | 29°28'13" ♐ | -12°07'06" | -00°29'33" | 00°02'03"  | 30.882 |
| 19/03/2011 00:00:00 | ♋  | 07°23'16" ♑ | -18°44'35" | 04°29'43"  | 00°00'40"  | 32.143 |
| 19/03/2011 00:00:00 | ♌  | 28°07'34" ♒ | -23°25'28" | 00°00'00"  | -00°11'06" | 0.003  |
| 19/03/2011 00:00:00 | ♍  | 02°33'24" ♓ | -05°19'14" | 05°36'38"  | 00°03'46"  | 17.570 |
| 19/03/2011 00:00:00 | ♎  | 29°30'17" ♈ | 04°31'18"  | 05°08'38"  | 00°06'43"  | 0.003  |
| 19/03/2011 00:00:00 | T♏ | 28°07'34" ♒ | -23°25'28" | 00°00'00"  | -00°11'06" | 0.003  |
| 19/03/2011 00:00:00 | T♎ | 00°51'56" ♑ | 04°55'34"  | 04°59'43"  | -01°52'41" | 0.003  |
| 19/03/2011 00:00:00 | X  | 21°32'51" ♊ | -03°58'25" | -13°19'28" | 00°00'36"  | 97.497 |
| 19/03/2011 00:00:00 | Y  | 21°40'36" ♋ | 06°43'44"  | -11°50'21" | 00°00'29"  | 87.811 |
| 20/03/2011 00:00:00 | ♁  | 29°02'01" ♈ | -00°23'04" | -00°00'00" | 00°59'37"  | 0.996  |
| 20/03/2011 00:00:00 | ♃  | 02°31'48" ♉ | -05°34'41" | -04°59'02" | 15°22'41"  | 0.002  |



Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 20/03/2011 00:00:00 | ♀  | 17°03'47" ♀ | 08°19'01"  | 01°44'53"  | 01°17'46"  | 0.983  |
| 20/03/2011 00:00:00 | ♀  | 21°16'04" ♀ | -14°39'59" | -00°16'13" | 01°11'45"  | 1.182  |
| 20/03/2011 00:00:00 | ♂  | 19°40'09" ♂ | -05°00'27" | -00°59'50" | 00°47'05"  | 2.355  |
| 20/03/2011 00:00:00 | ♃  | 12°12'36" ♀ | 03°49'25"  | -01°05'16" | 00°14'20"  | 5.912  |
| 20/03/2011 00:00:00 | ♃  | 15°01'24" ♀ | -03°24'35" | 02°43'05"  | -00°04'22" | 8.648  |
| 20/03/2011 00:00:00 | ♃  | 00°27'13" ♀ | -00°28'01" | -00°42'20" | 00°03'25"  | 21.082 |
| 20/03/2011 00:00:00 | ♃  | 29°30'16" ♀ | -12°06'24" | -00°29'35" | 00°02'02"  | 30.874 |
| 20/03/2011 00:00:00 | ♃  | 07°23'55" ♂ | -18°44'30" | 04°29'46"  | 00°00'38"  | 32.126 |
| 20/03/2011 00:00:00 | ♃  | 27°56'11" ♂ | -23°25'18" | 00°00'00"  | -00°11'23" | 0.003  |
| 20/03/2011 00:00:00 | ♃  | 02°37'10" ♂ | -05°17'49" | 05°36'44"  | 00°03'45"  | 17.564 |
| 20/03/2011 00:00:00 | ♃  | 29°37'00" ♂ | 04°33'58"  | 05°08'37"  | 00°06'43"  | 0.003  |
| 20/03/2011 00:00:00 | T♃ | 27°56'11" ♂ | -23°25'18" | 00°00'00"  | -00°11'23" | 0.003  |
| 20/03/2011 00:00:00 | T♃ | 29°03'22" ♂ | 04°12'38"  | 04°59'56"  | -01°47'24" | 0.003  |
| 20/03/2011 00:00:00 | X  | 21°33'27" ♀ | -03°58'07" | -13°19'23" | 00°00'36"  | 97.504 |
| 20/03/2011 00:00:00 | Y  | 21°41'05" ♂ | 06°43'58"  | -11°50'14" | 00°00'29"  | 87.824 |
| 21/03/2011 00:00:00 | ♃  | 00°01'37" ♀ | 00°00'38"  | -00°00'00" | 00°59'35"  | 0.996  |
| 21/03/2011 00:00:00 | ♃  | 17°51'11" ♀ | -11°20'41" | -04°42'00" | 15°14'09"  | 0.002  |
| 21/03/2011 00:00:00 | ♀  | 18°18'34" ♀ | 08°59'02"  | 01°57'12"  | 01°11'42"  | 0.956  |
| 21/03/2011 00:00:00 | ♀  | 22°27'50" ♀ | -14°19'56" | -00°19'32" | 01°11'47"  | 1.189  |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 21/03/2011 00:00:00 | ♂ | 20°27'14" ♈ | -04°41'41" | -00°59'34" | 00°47'04"  | 2.354  |
| 21/03/2011 00:00:00 | ♃ | 12°26'57" ♈ | 03°55'03"  | -01°05'13" | 00°14'21"  | 5.916  |
| 21/03/2011 00:00:00 | ♅ | 14°57'00" ♋ | -03°22'48" | 02°43'11"  | -00°04'25" | 8.644  |
| 21/03/2011 00:00:00 | ♁ | 00°30'38" ♈ | -00°26'39" | -00°42'20" | 00°03'25"  | 21.083 |
| 21/03/2011 00:00:00 | ♃ | 29°32'18" ♋ | -12°05'43" | -00°29'36" | 00°02'01"  | 30.865 |
| 21/03/2011 00:00:00 | ♁ | 07°24'32" ♋ | -18°44'25" | 04°29'49"  | 00°00'36"  | 32.110 |
| 21/03/2011 00:00:00 | ♁ | 27°45'13" ♋ | -23°25'07" | 00°00'00"  | -00°10'20" | 0.003  |
| 21/03/2011 00:00:00 | ♃ | 02°40'54" ♈ | -05°16'24" | 05°36'50"  | 00°03'43"  | 17.558 |
| 21/03/2011 00:00:00 | ♁ | 29°43'44" ♈ | 04°36'37"  | 05°08'36"  | 00°06'43"  | 0.003  |
| 21/03/2011 00:00:00 | ♁ | 27°45'13" ♋ | -23°25'07" | 00°00'00"  | -00°10'20" | 0.003  |
| 21/03/2011 00:00:00 | ♁ | 27°11'08" ♈ | 03°28'19"  | 05°00'11"  | -01°59'35" | 0.003  |
| 21/03/2011 00:00:00 | X | 21°34'04" ♈ | -03°57'49" | -13°19'18" | 00°00'36"  | 97.510 |
| 21/03/2011 00:00:00 | Y | 21°41'36" ♋ | 06°44'11"  | -11°50'07" | 00°00'30"  | 87.836 |
| 22/03/2011 00:00:00 | ♁ | 01°01'12" ♈ | 00°24'19"  | -00°00'00" | 00°59'33"  | 0.996  |
| 22/03/2011 00:00:00 | ♃ | 02°56'37" ♋ | -16°19'55" | -04°05'25" | 14°55'14"  | 0.002  |
| 22/03/2011 00:00:00 | ♁ | 19°27'06" ♈ | 09°36'08"  | 02°09'05"  | 01°05'16"  | 0.929  |
| 22/03/2011 00:00:00 | ♀ | 23°39'39" ♋ | -13°59'29" | -00°22'49" | 01°11'50"  | 1.195  |
| 22/03/2011 00:00:00 | ♂ | 21°14'18" ♈ | -04°22'54" | -00°59'17" | 00°47'03"  | 2.354  |
| 22/03/2011 00:00:00 | ♃ | 12°41'19" ♈ | 04°00'41"  | -01°05'10" | 00°14'22"  | 5.920  |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 22/03/2011 00:00:00 | ♃ | 14°52'34" ♈ | -03°21'00" | 02°43'17"  | -00°04'27" | 8.640  |
| 22/03/2011 00:00:00 | ♅ | 00°34'03" ♀ | -00°25'17" | -00°42'20" | 00°03'25"  | 21.083 |
| 22/03/2011 00:00:00 | ♆ | 29°34'20" ♁ | -12°05'01" | -00°29'37" | 00°02'00"  | 30.857 |
| 22/03/2011 00:00:00 | ♄ | 07°25'08" ♉ | -18°44'21" | 04°29'51"  | 00°00'34"  | 32.094 |
| 22/03/2011 00:00:00 | ♁ | 27°35'53" ♈ | -23°24'57" | 00°00'00"  | -00°08'09" | 0.003  |
| 22/03/2011 00:00:00 | ♂ | 02°44'37" ♀ | -05°15'00" | 05°36'56"  | 00°03'42"  | 17.552 |
| 22/03/2011 00:00:00 | ♁ | 29°50'27" ♀ | 04°39'15"  | 05°08'34"  | 00°06'43"  | 0.003  |
| 22/03/2011 00:00:00 | ♁ | 27°35'53" ♈ | -23°24'57" | 00°00'00"  | -00°08'09" | 0.003  |
| 22/03/2011 00:00:00 | ♁ | 25°01'02" ♀ | 02°36'56"  | 05°00'19"  | -02°20'56" | 0.003  |
| 22/03/2011 00:00:00 | X | 21°34'40" ♀ | -03°57'31" | -13°19'13" | 00°00'36"  | 97.516 |
| 22/03/2011 00:00:00 | Y | 21°42'06" ♂ | 06°44'25"  | -11°50'01" | 00°00'31"  | 87.849 |
| 23/03/2011 00:00:00 | ♁ | 02°00'44" ♀ | 00°48'00"  | -00°00'00" | 00°59'31"  | 0.996  |
| 23/03/2011 00:00:00 | ♃ | 17°39'16" ♈ | -20°11'05" | -03°13'12" | 14°29'12"  | 0.002  |
| 23/03/2011 00:00:00 | ♁ | 20°29'01" ♀ | 10°10'06"  | 02°20'25"  | 00°58'30"  | 0.902  |
| 23/03/2011 00:00:00 | ♆ | 24°51'31" ♁ | -13°38'38" | -00°26'02" | 01°11'52"  | 1.202  |
| 23/03/2011 00:00:00 | ♂ | 22°01'21" ♀ | -04°04'05" | -00°59'00" | 00°47'02"  | 2.353  |
| 23/03/2011 00:00:00 | ♃ | 12°55'43" ♀ | 04°06'19"  | -01°05'08" | 00°14'24"  | 5.923  |
| 23/03/2011 00:00:00 | ♃ | 14°48'06" ♈ | -03°19'11" | 02°43'23"  | -00°04'28" | 8.636  |
| 23/03/2011 00:00:00 | ♅ | 00°37'29" ♀ | -00°23'55" | -00°42'20" | 00°03'25"  | 21.083 |

Ephemerides year 2011

|                     |    |           |   |            |            |            |        |
|---------------------|----|-----------|---|------------|------------|------------|--------|
| 23/03/2011 00:00:00 | ♁  | 29°36'20" | ♁ | -12°04'20" | -00°29'38" | 00°01'59"  | 30.848 |
| 23/03/2011 00:00:00 | ♌  | 07°25'42" | ♌ | -18°44'16" | 04°29'54"  | 00°00'32"  | 32.077 |
| 23/03/2011 00:00:00 | ♄  | 27°29'04" | ♄ | -23°24'50" | 00°00'00"  | -00°05'25" | 0.003  |
| 23/03/2011 00:00:00 | ♃  | 02°48'19" | ♃ | -05°13'35" | 05°37'03"  | 00°03'41"  | 17.545 |
| 23/03/2011 00:00:00 | ♁  | 29°57'11" | ♃ | 04°41'54"  | 05°08'32"  | 00°06'43"  | 0.003  |
| 23/03/2011 00:00:00 | T♄ | 27°29'04" | ♄ | -23°24'50" | 00°00'00"  | -00°05'25" | 0.003  |
| 23/03/2011 00:00:00 | T♁ | 22°31'39" | ♃ | 01°37'49"  | 05°00'03"  | -02°35'08" | 0.003  |
| 23/03/2011 00:00:00 | X  | 21°35'18" | ♃ | -03°57'13" | -13°19'08" | 00°00'37"  | 97.522 |
| 23/03/2011 00:00:00 | Y  | 21°42'38" | ♃ | 06°44'39"  | -11°49'54" | 00°00'31"  | 87.861 |
| 24/03/2011 00:00:00 | ♃  | 03°00'15" | ♃ | 01°11'40"  | -00°00'00" | 00°59'30"  | 0.997  |
| 24/03/2011 00:00:00 | ♄  | 01°53'56" | ♄ | -22°40'00" | -02°10'15" | 13°59'53"  | 0.002  |
| 24/03/2011 00:00:00 | ♁  | 21°24'02" | ♃ | 10°40'45"  | 02°31'06"  | 00°51'28"  | 0.875  |
| 24/03/2011 00:00:00 | ♂  | 26°03'25" | ♁ | -13°17'23" | -00°29'12" | 01°11'55"  | 1.208  |
| 24/03/2011 00:00:00 | ♂  | 22°48'22" | ♃ | -03°45'14" | -00°58'43" | 00°47'00"  | 2.352  |
| 24/03/2011 00:00:00 | ♃  | 13°10'07" | ♃ | 04°11'58"  | -01°05'05" | 00°14'25"  | 5.926  |
| 24/03/2011 00:00:00 | ♃  | 14°43'36" | ♃ | -03°17'23" | 02°43'28"  | -00°04'30" | 8.632  |
| 24/03/2011 00:00:00 | ♃  | 00°40'55" | ♃ | -00°22'33" | -00°42'19" | 00°03'25"  | 21.083 |
| 24/03/2011 00:00:00 | ♁  | 29°38'19" | ♁ | -12°03'39" | -00°29'39" | 00°01'58"  | 30.839 |
| 24/03/2011 00:00:00 | ♌  | 07°26'14" | ♌ | -18°44'12" | 04°29'56"  | 00°00'31"  | 32.061 |

Ephemerides year 2011

|                     |   |              |            |             |            |        |
|---------------------|---|--------------|------------|-------------|------------|--------|
| 24/03/2011 00:00:00 | ♌ | 27°25'00" ♄r | -23°24'45" | 00°00'00"   | -00°02'47" | 0.003  |
| 24/03/2011 00:00:00 | ♍ | 02°51'59" ♃  | -05°12'11" | 05°37'10"   | 00°03'39"  | 17.538 |
| 24/03/2011 00:00:00 | ♎ | 00°03'54" ♃  | 04°44'33"  | 05°08'31"   | 00°06'43"  | 0.003  |
| 24/03/2011 00:00:00 | ♏ | 27°25'00" ♄r | -23°24'45" | 00°00'00"   | -00°02'47" | 0.003  |
| 24/03/2011 00:00:00 | ♐ | 19°58'30" ♃r | 00°37'02"  | 04°59'12"   | -02°26'28" | 0.003  |
| 24/03/2011 00:00:00 | ♑ | 21°35'55" ♃  | -03°56'55" | -13°19'03"  | 00°00'37"  | 97.528 |
| 24/03/2011 00:00:00 | ♒ | 21°43'10" ♃  | 06°44'53"  | -11°49'48"  | 00°00'32"  | 87.873 |
| 25/03/2011 00:00:00 | ♓ | 03°59'45" ♃  | 01°35'17"  | -00°00'00"  | 00°59'28"  | 0.997  |
| 25/03/2011 00:00:00 | ♈ | 15°39'07" ♄  | -23°41'10" | 0-01°01'36" | 13°30'42"  | 0.003  |
| 25/03/2011 00:00:00 | ♉ | 22°11'53" ♃  | 11°07'55"  | 02°41'01"   | 00°44'12"  | 0.849  |
| 25/03/2011 00:00:00 | ♊ | 27°15'21" ♃  | -12°55'46" | -00°32'18"  | 01°11'57"  | 1.215  |
| 25/03/2011 00:00:00 | ♋ | 23°35'23" ♃  | -03°26'22" | -00°58'26"  | 00°46'59"  | 2.352  |
| 25/03/2011 00:00:00 | ♌ | 13°24'33" ♃  | 04°17'36"  | -01°05'03"  | 00°14'26"  | 5.929  |
| 25/03/2011 00:00:00 | ♍ | 14°39'04" ♃r | -03°15'33" | 02°43'33"   | -00°04'32" | 8.629  |
| 25/03/2011 00:00:00 | ♎ | 00°44'21" ♃  | -00°21'11" | -00°42'19"  | 00°03'25"  | 21.082 |
| 25/03/2011 00:00:00 | ♏ | 29°40'18" ♃  | -12°02'59" | -00°29'40"  | 00°01'57"  | 30.829 |
| 25/03/2011 00:00:00 | ♐ | 07°26'44" ♃  | -18°44'08" | 04°29'59"   | 00°00'29"  | 32.044 |
| 25/03/2011 00:00:00 | ♑ | 27°23'16" ♄r | -23°24'43" | 00°00'00"   | -00°00'49" | 0.003  |
| 25/03/2011 00:00:00 | ♒ | 02°55'38" ♃  | -05°10'47" | 05°37'17"   | 00°03'38"  | 17.531 |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 25/03/2011 00:00:00 | ☾ | 00°10'38" ♀ | 04°47'11"  | 05°08'29"  | 00°06'43"  | 0.003  |
| 25/03/2011 00:00:00 | ♄ | 27°23'16" ♀ | -23°24'43" | 00°00'00"  | -00°00'49" | 0.003  |
| 25/03/2011 00:00:00 | ♄ | 17°48'10" ♀ | -00°14'45" | 04°57'58"  | -01°49'52" | 0.003  |
| 25/03/2011 00:00:00 | X | 21°36'33" ♀ | -03°56'37" | -13°18'58" | 00°00'37"  | 97.533 |
| 25/03/2011 00:00:00 | Y | 21°43'42" ♂ | 06°45'07"  | -11°49'42" | 00°00'32"  | 87.885 |
| 26/03/2011 00:00:00 | ☉ | 04°59'12" ♀ | 01°58'53"  | -00°00'00" | 00°59'26"  | 0.997  |
| 26/03/2011 00:00:00 | ☾ | 28°56'14" ♀ | -23°17'47" | 00°08'13"  | 13°04'07"  | 0.003  |
| 26/03/2011 00:00:00 | ♀ | 22°52'22" ♀ | 11°31'27"  | 02°50'03"  | 00°36'45"  | 0.823  |
| 26/03/2011 00:00:00 | ♀ | 28°27'20" ♀ | -12°33'47" | -00°35'22" | 01°11'59"  | 1.221  |
| 26/03/2011 00:00:00 | ♂ | 24°22'22" ♀ | -03°07'29" | -00°58'08" | 00°46'58"  | 2.351  |
| 26/03/2011 00:00:00 | ♃ | 13°39'00" ♀ | 04°23'14"  | -01°05'00" | 00°14'26"  | 5.932  |
| 26/03/2011 00:00:00 | ♃ | 14°34'31" ♀ | -03°13'44" | 02°43'38"  | -00°04'33" | 8.626  |
| 26/03/2011 00:00:00 | ♃ | 00°47'46" ♀ | -00°19'49" | -00°42'19" | 00°03'25"  | 21.081 |
| 26/03/2011 00:00:00 | ♃ | 29°42'15" ♀ | -12°02'18" | -00°29'41" | 00°01'56"  | 30.820 |
| 26/03/2011 00:00:00 | ♃ | 07°27'12" ♀ | -18°44'04" | 04°30'02"  | 00°00'27"  | 32.028 |
| 26/03/2011 00:00:00 | ♄ | 27°22'58" ♀ | -23°24'43" | 00°00'00"  | 00°00'02"  | 0.003  |
| 26/03/2011 00:00:00 | ♃ | 02°59'15" ♀ | -05°09'23" | 05°37'24"  | 00°03'36"  | 17.523 |
| 26/03/2011 00:00:00 | ☾ | 00°17'21" ♀ | 04°49'50"  | 05°08'26"  | 00°06'43"  | 0.003  |
| 26/03/2011 00:00:00 | ♄ | 27°22'58" ♀ | -23°24'43" | 00°00'00"  | 00°00'02"  | 0.003  |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 26/03/2011 00:00:00 | T♄ | 16°25'23" ♈ | -00°47'42" | 04°56'55"  | -00°53'34" | 0.003  |
| 26/03/2011 00:00:00 | X  | 21°37'10" ♏ | -03°56'19" | -13°18'54" | 00°00'37"  | 97.538 |
| 26/03/2011 00:00:00 | Y  | 21°44'16" ♏ | 06°45'21"  | -11°49'35" | 00°00'33"  | 87.897 |
| 27/03/2011 00:00:00 | ☉  | 05°58'38" ♏ | 02°22'26"  | -00°00'00" | 00°59'24"  | 0.998  |
| 27/03/2011 00:00:00 | ☾  | 11°48'42" ♏ | -21°39'31" | 01°15'32"  | 12°41'33"  | 0.003  |
| 27/03/2011 00:00:00 | ♀  | 23°25'21" ♏ | 11°51'12"  | 02°58'06"  | 00°29'10"  | 0.798  |
| 27/03/2011 00:00:00 | ♀  | 29°39'21" ♏ | -12°11'26" | -00°38'21" | 01°12'01"  | 1.228  |
| 27/03/2011 00:00:00 | ♂  | 25°09'19" ♈ | -02°48'34" | -00°57'49" | 00°46'56"  | 2.350  |
| 27/03/2011 00:00:00 | ♃  | 13°53'27" ♏ | 04°28'52"  | -01°04'58" | 00°14'27"  | 5.934  |
| 27/03/2011 00:00:00 | ♅  | 14°29'57" ♏ | -03°11'54" | 02°43'42"  | -00°04'35" | 8.624  |
| 27/03/2011 00:00:00 | ♁  | 00°51'12" ♏ | -00°18'28" | -00°42'19" | 00°03'25"  | 21.080 |
| 27/03/2011 00:00:00 | ♃  | 29°44'11" ♏ | -12°01'39" | -00°29'43" | 00°01'55"  | 30.810 |
| 27/03/2011 00:00:00 | ♁  | 07°27'39" ♏ | -18°43'59" | 04°30'04"  | 00°00'25"  | 32.011 |
| 27/03/2011 00:00:00 | ♁  | 27°22'55" ♏ | -23°24'43" | 00°00'00"  | -00°00'20" | 0.003  |
| 27/03/2011 00:00:00 | ♃  | 03°02'51" ♈ | -05°07'59" | 05°37'32"  | 00°03'34"  | 17.516 |
| 27/03/2011 00:00:00 | ♄  | 00°24'05" ♏ | 04°52'28"  | 05°08'24"  | 00°06'43"  | 0.003  |
| 27/03/2011 00:00:00 | T♁ | 27°22'55" ♏ | -23°24'43" | 00°00'00"  | -00°00'20" | 0.003  |
| 27/03/2011 00:00:00 | T♄ | 16°02'48" ♈ | -00°56'44" | 04°56'32"  | 00°08'11"  | 0.003  |
| 27/03/2011 00:00:00 | X  | 21°37'49" ♏ | -03°56'02" | -13°18'49" | 00°00'38"  | 97.543 |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 27/03/2011 00:00:00 | Y  | 21°44'49" ♃ | 06°45'35"  | -11°49'29" | 00°00'33"  | 87.908 |
| 28/03/2011 00:00:00 | ☉  | 06°58'02" ♈ | 02°45'56"  | 00°00'00"  | 00°59'23"  | 0.998  |
| 28/03/2011 00:00:00 | ☾  | 24°20'55" ♎ | -18°59'29" | 02°17'23"  | 12°23'37"  | 0.003  |
| 28/03/2011 00:00:00 | ♀  | 23°50'43" ♈ | 12°07'05"  | 03°05'02"  | 00°21'33"  | 0.774  |
| 28/03/2011 00:00:00 | ♀  | 00°51'24" ♋ | -11°48'45" | -00°41'17" | 01°12'03"  | 1.234  |
| 28/03/2011 00:00:00 | ♂  | 25°56'15" ♋ | -02°29'39" | -00°57'30" | 00°46'55"  | 2.350  |
| 28/03/2011 00:00:00 | ♃  | 14°07'55" ♈ | 04°34'30"  | -01°04'56" | 00°14'28"  | 5.937  |
| 28/03/2011 00:00:00 | ♅  | 14°25'21" ♄ | -03°10'04" | 02°43'46"  | -00°04'36" | 8.621  |
| 28/03/2011 00:00:00 | ♁  | 00°54'37" ♈ | -00°17'06" | -00°42'19" | 00°03'24"  | 21.079 |
| 28/03/2011 00:00:00 | ♃  | 29°46'06" ♉ | -12°00'59" | -00°29'44" | 00°01'54"  | 30.800 |
| 28/03/2011 00:00:00 | ♁  | 07°28'03" ♎ | -18°43'55" | 04°30'07"  | 00°00'23"  | 31.995 |
| 28/03/2011 00:00:00 | ♁  | 27°21'54" ♄ | -23°24'41" | 00°00'00"  | -00°01'53" | 0.003  |
| 28/03/2011 00:00:00 | ♃  | 03°06'25" ♋ | -05°06'36" | 05°37'40"  | 00°03'32"  | 17.508 |
| 28/03/2011 00:00:00 | ♀  | 00°30'48" ♈ | 04°55'06"  | 05°08'22"  | 00°06'43"  | 0.003  |
| 28/03/2011 00:00:00 | T♁ | 27°21'54" ♄ | -23°24'41" | 00°00'00"  | -00°01'53" | 0.003  |
| 28/03/2011 00:00:00 | T♃ | 16°39'35" ♋ | -00°42'12" | 04°56'57"  | 01°03'36"  | 0.003  |
| 28/03/2011 00:00:00 | X  | 21°38'27" ♈ | -03°55'44" | -13°18'45" | 00°00'38"  | 97.547 |
| 28/03/2011 00:00:00 | Y  | 21°45'23" ♃ | 06°45'49"  | -11°49'23" | 00°00'34"  | 87.920 |
| 29/03/2011 00:00:00 | ☉  | 07°57'24" ♈ | 03°09'22"  | 00°00'00"  | 00°59'21"  | 0.998  |



Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 29/03/2011 00:00:00 | ♃ | 06°37'29" ♁ | -15°31'27" | 03°11'29"  | 12°10'15"  | 0.003  |
| 29/03/2011 00:00:00 | ♆ | 24°08'27" ♀ | 12°18'59"  | 03°10'46"  | 00°13'56"  | 0.752  |
| 29/03/2011 00:00:00 | ♁ | 02°03'29" ♀ | -11°25'44" | -00°44'10" | 01°12'05"  | 1.240  |
| 29/03/2011 00:00:00 | ♂ | 26°43'10" ♀ | -02°10'44" | -00°57'11" | 00°46'53"  | 2.349  |
| 29/03/2011 00:00:00 | ♃ | 14°22'24" ♀ | 04°40'08"  | -01°04'54" | 00°14'29"  | 5.939  |
| 29/03/2011 00:00:00 | ♄ | 14°20'44" ♁ | -03°08'14" | 02°43'50"  | -00°04'37" | 8.619  |
| 29/03/2011 00:00:00 | ♃ | 00°58'02" ♀ | -00°15'45" | -00°42'19" | 00°03'24"  | 21.077 |
| 29/03/2011 00:00:00 | ♃ | 29°48'00" ♁ | -12°00'21" | -00°29'45" | 00°01'53"  | 30.790 |
| 29/03/2011 00:00:00 | ♃ | 07°28'26" ♁ | -18°43'52" | 04°30'10"  | 00°00'21"  | 31.978 |
| 29/03/2011 00:00:00 | ♁ | 27°18'51" ♁ | -23°24'38" | 00°00'00"  | -00°04'18" | 0.003  |
| 29/03/2011 00:00:00 | ♁ | 03°09'57" ♀ | -05°05'13" | 05°37'48"  | 00°03'31"  | 17.500 |
| 29/03/2011 00:00:00 | ♁ | 00°37'31" ♀ | 04°57'44"  | 05°08'19"  | 00°06'43"  | 0.003  |
| 29/03/2011 00:00:00 | ♁ | 27°18'51" ♁ | -23°24'38" | 00°00'00"  | -00°04'18" | 0.003  |
| 29/03/2011 00:00:00 | ♁ | 18°05'44" ♀ | -00°08'00" | 04°57'54"  | 01°46'20"  | 0.003  |
| 29/03/2011 00:00:00 | X | 21°39'05" ♀ | -03°55'26" | -13°18'41" | 00°00'38"  | 97.551 |
| 29/03/2011 00:00:00 | Y | 21°45'58" ♁ | 06°46'03"  | -11°49'17" | 00°00'34"  | 87.931 |
| 30/03/2011 00:00:00 | ♁ | 08°56'45" ♀ | 03°32'46"  | 00°00'00"  | 00°59'19"  | 0.998  |
| 30/03/2011 00:00:00 | ♃ | 18°42'49" ♁ | -11°28'18" | 03°56'01"  | 12°01'02"  | 0.003  |
| 30/03/2011 00:00:00 | ♆ | 24°18'37" ♀ | 12°26'51"  | 03°15'11"  | 00°06'24"  | 0.730  |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 30/03/2011 00:00:00 | ♀  | 03°15'35" ♈ | -11°02'23" | -00°46'59" | 01°12'07"  | 1.247  |
| 30/03/2011 00:00:00 | ♂  | 27°30'03" ♈ | -01°51'48" | -00°56'51" | 00°46'52"  | 2.349  |
| 30/03/2011 00:00:00 | ♃  | 14°36'53" ♏ | 04°45'45"  | -01°04'52" | 00°14'29"  | 5.941  |
| 30/03/2011 00:00:00 | ♅  | 14°16'07" ♋ | -03°06'24" | 02°43'53"  | -00°04'38" | 8.618  |
| 30/03/2011 00:00:00 | ♁  | 01°01'26" ♏ | -00°14'24" | -00°42'19" | 00°03'24"  | 21.075 |
| 30/03/2011 00:00:00 | ♃  | 29°49'53" ♁ | -11°59'42" | -00°29'46" | 00°01'52"  | 30.779 |
| 30/03/2011 00:00:00 | ♁  | 07°28'46" ♁ | -18°43'48" | 04°30'12"  | 00°00'19"  | 31.962 |
| 30/03/2011 00:00:00 | ♄  | 27°13'08" ♁ | -23°24'31" | 00°00'00"  | -00°07'10" | 0.003  |
| 30/03/2011 00:00:00 | ♃  | 03°13'27" ♈ | -05°03'51" | 05°37'57"  | 00°03'29"  | 17.491 |
| 30/03/2011 00:00:00 | ♁  | 00°44'15" ♏ | 05°00'22"  | 05°08'16"  | 00°06'43"  | 0.003  |
| 30/03/2011 00:00:00 | T♄ | 27°13'08" ♁ | -23°24'31" | 00°00'00"  | -00°07'10" | 0.003  |
| 30/03/2011 00:00:00 | T♁ | 20°07'30" ♈ | 00°40'22"  | 04°59'00"  | 02°14'54"  | 0.003  |
| 30/03/2011 00:00:00 | X  | 21°39'43" ♏ | -03°55'09" | -13°18'37" | 00°00'38"  | 97.555 |
| 30/03/2011 00:00:00 | Y  | 21°46'33" ♏ | 06°46'17"  | -11°49'12" | 00°00'35"  | 87.942 |
| 31/03/2011 00:00:00 | ☉  | 09°56'03" ♏ | 03°56'05"  | 00°00'00"  | 00°59'17"  | 0.999  |
| 31/03/2011 00:00:00 | ☾  | 00°40'44" ♈ | -07°01'30" | 04°29'35"  | 11°55'17"  | 0.003  |
| 31/03/2011 00:00:00 | ♃  | 24°21'18" ♏ | 12°30'40"  | 03°18'12"  | -00°00'58" | 0.710  |
| 31/03/2011 00:00:00 | ♀  | 04°27'44" ♈ | -10°38'43" | -00°49'44" | 01°12'09"  | 1.253  |
| 31/03/2011 00:00:00 | ♂  | 28°16'54" ♈ | -01°32'52" | -00°56'32" | 00°46'50"  | 2.348  |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 31/03/2011 00:00:00 | ♈ | 14°51'23" ♀ | 04°51'23"  | -01°04'50" | 00°14'29"  | 5.943  |
| 31/03/2011 00:00:00 | ♉ | 14°11'28" ♀ | -03°04'34" | 02°43'56"  | -00°04'39" | 8.616  |
| 31/03/2011 00:00:00 | ♊ | 01°04'50" ♀ | -00°13'02" | -00°42'19" | 00°03'23"  | 21.073 |
| 31/03/2011 00:00:00 | ♋ | 29°51'45" ♀ | -11°59'04" | -00°29'47" | 00°01'50"  | 30.769 |
| 31/03/2011 00:00:00 | ♌ | 07°29'05" ♀ | -18°43'44" | 04°30'15"  | 00°00'17"  | 31.945 |
| 31/03/2011 00:00:00 | ♍ | 27°04'31" ♀ | -23°24'19" | 00°00'00"  | -00°09'59" | 0.003  |
| 31/03/2011 00:00:00 | ♎ | 03°16'55" ♀ | -05°02'29" | 05°38'05"  | 00°03'27"  | 17.483 |
| 31/03/2011 00:00:00 | ♏ | 00°50'58" ♀ | 05°03'00"  | 05°08'13"  | 00°06'43"  | 0.003  |
| 31/03/2011 00:00:00 | ♐ | 27°04'31" ♀ | -23°24'19" | 00°00'00"  | -00°09'59" | 0.003  |
| 31/03/2011 00:00:00 | ♑ | 22°31'26" ♀ | 01°37'34"  | 04°59'53"  | 02°31'12"  | 0.003  |
| 31/03/2011 00:00:00 | ♒ | 21°40'22" ♀ | -03°54'51" | -13°18'33" | 00°00'38"  | 97.559 |
| 31/03/2011 00:00:00 | ♓ | 21°47'08" ♀ | 06°46'31"  | -11°49'06" | 00°00'35"  | 87.952 |
| 01/04/2011 00:00:00 | ♈ | 10°55'20" ♀ | 04°19'20"  | 00°00'00"  | 00°59'15"  | 0.999  |
| 01/04/2011 00:00:00 | ♉ | 12°34'20" ♀ | -02°21'15" | 04°51'11"  | 11°52'19"  | 0.003  |
| 01/04/2011 00:00:00 | ♊ | 24°16'45" ♀ | 12°30'24"  | 03°19'44"  | -00°08'05" | 0.691  |
| 01/04/2011 00:00:00 | ♋ | 05°39'54" ♀ | -10°14'45" | -00°52'25" | 01°12'10"  | 1.259  |
| 01/04/2011 00:00:00 | ♌ | 29°03'44" ♀ | -01°13'56" | -00°56'11" | 00°46'48"  | 2.347  |
| 01/04/2011 00:00:00 | ♍ | 15°05'53" ♀ | 04°57'00"  | -01°04'49" | 00°14'30"  | 5.944  |
| 01/04/2011 00:00:00 | ♎ | 14°06'48" ♀ | -03°02'44" | 02°43'58"  | -00°04'39" | 8.615  |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 01/04/2011 00:00:00 | ♃ | 01°08'14" ♀ | -00°11'42" | -00°42'20" | 00°03'23"  | 21.070 |
| 01/04/2011 00:00:00 | ♃ | 29°53'35" ♀ | -11°58'26" | -00°29'49" | 00°01'49"  | 30.758 |
| 01/04/2011 00:00:00 | ♃ | 07°29'22" ♀ | -18°43'41" | 04°30'18"  | 00°00'15"  | 31.929 |
| 01/04/2011 00:00:00 | ♃ | 26°53'20" ♀ | -23°24'04" | 00°00'00"  | -00°12'16" | 0.003  |
| 01/04/2011 00:00:00 | ♃ | 03°20'22" ♀ | -05°01'07" | 05°38'14"  | 00°03'25"  | 17.474 |
| 01/04/2011 00:00:00 | ♃ | 00°57'41" ♀ | 05°05'37"  | 05°08'10"  | 00°06'43"  | 0.003  |
| 01/04/2011 00:00:00 | ♃ | 26°53'20" ♀ | -23°24'04" | 00°00'00"  | -00°12'16" | 0.003  |
| 01/04/2011 00:00:00 | ♃ | 25°07'17" ♀ | 02°39'24"  | 05°00'19"  | 02°39'38"  | 0.003  |
| 01/04/2011 00:00:00 | X | 21°41'01" ♀ | -03°54'34" | -13°18'29" | 00°00'38"  | 97.562 |
| 01/04/2011 00:00:00 | Y | 21°47'44" ♀ | 06°46'46"  | -11°49'00" | 00°00'36"  | 87.963 |
| 02/04/2011 00:00:00 | ♃ | 11°54'35" ♀ | 04°42'30"  | 00°00'00"  | 00°59'13"  | 0.999  |
| 02/04/2011 00:00:00 | ♃ | 24°26'06" ♀ | 02°22'55"  | 05°00'04"  | 11°51'29"  | 0.003  |
| 02/04/2011 00:00:00 | ♃ | 24°05'14" ♀ | 12°26'06"  | 03°19'43"  | -00°14'52" | 0.673  |
| 02/04/2011 00:00:00 | ♃ | 06°52'06" ♀ | -09°50'30" | -00°55'02" | 01°12'12"  | 1.265  |
| 02/04/2011 00:00:00 | ♃ | 29°50'32" ♀ | -00°55'00" | -00°55'51" | 00°46'47"  | 2.347  |
| 02/04/2011 00:00:00 | ♃ | 15°20'24" ♀ | 05°02'36"  | -01°04'47" | 00°14'30"  | 5.945  |
| 02/04/2011 00:00:00 | ♃ | 14°02'09" ♀ | -03°00'54" | 02°44'01"  | -00°04'40" | 8.615  |
| 02/04/2011 00:00:00 | ♃ | 01°11'37" ♀ | -00°10'21" | -00°42'20" | 00°03'23"  | 21.068 |
| 02/04/2011 00:00:00 | ♃ | 29°55'24" ♀ | -11°57'49" | -00°29'50" | 00°01'48"  | 30.746 |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 02/04/2011 00:00:00 | ♁ | 07°29'36" ♁ | -18°43'37" | 04°30'20"  | 00°00'13"  | 31.912 |
| 02/04/2011 00:00:00 | ♁ | 26°40'17" ♁ | -23°23'45" | 00°00'00"  | -00°13'39" | 0.003  |
| 02/04/2011 00:00:00 | ♁ | 03°23'46" ♁ | -04°59'46" | 05°38'24"  | 00°03'23"  | 17.465 |
| 02/04/2011 00:00:00 | ♁ | 01°04'25" ♁ | 05°08'15"  | 05°08'07"  | 00°06'43"  | 0.003  |
| 02/04/2011 00:00:00 | ♁ | 26°40'17" ♁ | -23°23'45" | 00°00'00"  | -00°13'39" | 0.003  |
| 02/04/2011 00:00:00 | ♁ | 27°50'08" ♁ | 03°43'50"  | 05°00'14"  | 02°46'18"  | 0.003  |
| 02/04/2011 00:00:00 | X | 21°41'39" ♁ | -03°54'16" | -13°18'26" | 00°00'38"  | 97.565 |
| 02/04/2011 00:00:00 | Y | 21°48'21" ♁ | 06°47'00"  | -11°48'55" | 00°00'36"  | 87.973 |
| 03/04/2011 00:00:00 | ♁ | 12°53'47" ♁ | 05°05'35"  | 00°00'00"  | 00°59'11"  | 1.000  |
| 03/04/2011 00:00:00 | ♁ | 06°17'51" ♁ | 07°01'42"  | 04°55'58"  | 11°52'15"  | 0.003  |
| 03/04/2011 00:00:00 | ♁ | 23°47'08" ♁ | 12°17'51"  | 03°18'05"  | -00°21'13" | 0.657  |
| 03/04/2011 00:00:00 | ♁ | 08°04'19" ♁ | -09°25'57" | -00°57'35" | 01°12'13"  | 1.272  |
| 03/04/2011 00:00:00 | ♁ | 00°37'18" ♁ | -00°36'04" | -00°55'30" | 00°46'45"  | 2.346  |
| 03/04/2011 00:00:00 | ♁ | 15°34'54" ♁ | 05°08'13"  | -01°04'46" | 00°14'30"  | 5.947  |
| 03/04/2011 00:00:00 | ♁ | 13°57'28" ♁ | -02°59'04" | 02°44'02"  | -00°04'40" | 8.614  |
| 03/04/2011 00:00:00 | ♁ | 01°15'00" ♁ | -00°09'01" | -00°42'20" | 00°03'22"  | 21.065 |
| 03/04/2011 00:00:00 | ♁ | 29°57'12" ♁ | -11°57'12" | -00°29'51" | 00°01'47"  | 30.735 |
| 03/04/2011 00:00:00 | ♁ | 07°29'49" ♁ | -18°43'34" | 04°30'23"  | 00°00'11"  | 31.896 |
| 03/04/2011 00:00:00 | ♁ | 26°26'24" ♁ | -23°23'23" | 00°00'00"  | -00°13'54" | 0.003  |

Ephemerides year 2011

|                     |    |              |            |            |            |        |
|---------------------|----|--------------|------------|------------|------------|--------|
| 03/04/2011 00:00:00 | ♄  | 03°27'08" ♉  | -04°58'25" | 05°38'33"  | 00°03'21"  | 17.455 |
| 03/04/2011 00:00:00 | ♁  | 01°11'08" ♈  | 05°10'52"  | 05°08'03"  | 00°06'43"  | 0.003  |
| 03/04/2011 00:00:00 | ♄♁ | 26°26'24" ♉♈ | -23°23'23" | 00°00'00"  | -00°13'54" | 0.003  |
| 03/04/2011 00:00:00 | ♄♁ | 00°41'16" ♈  | 04°51'12"  | 04°59'33"  | 02°56'55"  | 0.003  |
| 03/04/2011 00:00:00 | X  | 21°42'18" ♈  | -03°53'59" | -13°18'22" | 00°00'38"  | 97.568 |
| 03/04/2011 00:00:00 | Y  | 21°48'57" ♉  | 06°47'14"  | -11°48'50" | 00°00'37"  | 87.983 |
| 04/04/2011 00:00:00 | ♁  | 13°52'58" ♈  | 05°28'35"  | 00°00'00"  | 00°59'09"  | 1.000  |
| 04/04/2011 00:00:00 | ♃  | 18°11'04" ♈  | 11°25'32"  | 04°38'59"  | 11°54'22"  | 0.003  |
| 04/04/2011 00:00:00 | ♁♁ | 23°22'57" ♈♈ | 12°05'48"  | 03°14'48"  | -00°27'02" | 0.642  |
| 04/04/2011 00:00:00 | ♁  | 09°16'33" ♉  | -09°01'09" | -01°00'05" | 01°12'15"  | 1.278  |
| 04/04/2011 00:00:00 | ♁  | 01°24'03" ♈  | -00°17'10" | -00°55'08" | 00°46'43"  | 2.345  |
| 04/04/2011 00:00:00 | ♁  | 15°49'25" ♈  | 05°13'49"  | -01°04'45" | 00°14'31"  | 5.948  |
| 04/04/2011 00:00:00 | ♁♁ | 13°52'48" ♈♈ | -02°57'15" | 02°44'04"  | -00°04'40" | 8.614  |
| 04/04/2011 00:00:00 | ♁  | 01°18'22" ♈  | -00°07'40" | -00°42'20" | 00°03'21"  | 21.061 |
| 04/04/2011 00:00:00 | ♁  | 29°58'59" ♈  | -11°56'36" | -00°29'52" | 00°01'45"  | 30.723 |
| 04/04/2011 00:00:00 | ♁  | 07°30'00" ♈  | -18°43'31" | 04°30'26"  | 00°00'10"  | 31.879 |
| 04/04/2011 00:00:00 | ♁  | 26°12'50" ♉♈ | -23°23'01" | 00°00'00"  | -00°13'00" | 0.003  |
| 04/04/2011 00:00:00 | ♄  | 03°30'29" ♉  | -04°57'04" | 05°38'43"  | 00°03'19"  | 17.446 |
| 04/04/2011 00:00:00 | ♁  | 01°17'51" ♈  | 05°13'29"  | 05°08'00"  | 00°06'43"  | 0.003  |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 04/04/2011 00:00:00 | T♄ | 26°12'50" ♏ | -23°23'01" | 00°00'00"  | -00°13'00" | 0.003  |
| 04/04/2011 00:00:00 | T♄ | 03°46'00" ♏ | 06°03'21"  | 04°58'07"  | 03°13'22"  | 0.003  |
| 04/04/2011 00:00:00 | X  | 21°42'57" ♏ | -03°53'42" | -13°18'19" | 00°00'39"  | 97.571 |
| 04/04/2011 00:00:00 | Y  | 21°49'35" ♏ | 06°47'28"  | -11°48'44" | 00°00'37"  | 87.993 |
| 05/04/2011 00:00:00 | ☉  | 14°52'07" ♏ | 05°51'29"  | 00°00'00"  | 00°59'07"  | 1.000  |
| 05/04/2011 00:00:00 | ☾  | 00°07'03" ♏ | 15°24'16"  | 04°09'39"  | 11°57'50"  | 0.003  |
| 05/04/2011 00:00:00 | ♁  | 22°53'15" ♏ | 11°50'08"  | 03°09'51"  | -00°32'14" | 0.629  |
| 05/04/2011 00:00:00 | ♂  | 10°28'49" ♏ | -08°36'05" | -01°02'30" | 01°12'16"  | 1.284  |
| 05/04/2011 00:00:00 | ♂  | 02°10'45" ♏ | 00°01'43"  | -00°54'46" | 00°46'41"  | 2.344  |
| 05/04/2011 00:00:00 | ♂  | 16°03'57" ♏ | 05°19'24"  | -01°04'44" | 00°14'31"  | 5.948  |
| 05/04/2011 00:00:00 | ♂  | 13°48'08" ♏ | -02°55'25" | 02°44'05"  | -00°04'40" | 8.614  |
| 05/04/2011 00:00:00 | ♂  | 01°21'44" ♏ | -00°06'20" | -00°42'20" | 00°03'21"  | 21.058 |
| 05/04/2011 00:00:00 | ♂  | 00°00'44" ♏ | -11°56'00" | -00°29'54" | 00°01'44"  | 30.712 |
| 05/04/2011 00:00:00 | ♂  | 07°30'09" ♏ | -18°43'27" | 04°30'28"  | 00°00'08"  | 31.863 |
| 05/04/2011 00:00:00 | ♂  | 26°00'43" ♏ | -23°22'39" | 00°00'00"  | -00°11'05" | 0.003  |
| 05/04/2011 00:00:00 | ♂  | 03°33'47" ♏ | -04°55'44" | 05°38'53"  | 00°03'17"  | 17.436 |
| 05/04/2011 00:00:00 | ♂  | 01°24'35" ♏ | 05°16'06"  | 05°07'56"  | 00°06'43"  | 0.003  |
| 05/04/2011 00:00:00 | T♄ | 26°00'43" ♏ | -23°22'39" | 00°00'00"  | -00°11'05" | 0.003  |
| 05/04/2011 00:00:00 | T♄ | 07°08'43" ♏ | 07°21'35"  | 04°55'38"  | 03°31'47"  | 0.003  |

Ephemerides year 2011

|                     |    |              |            |            |            |        |
|---------------------|----|--------------|------------|------------|------------|--------|
| 05/04/2011 00:00:00 | X  | 21°43'36" ♄  | -03°53'25" | -13°18'16" | 00°00'39"  | 97.573 |
| 05/04/2011 00:00:00 | Y  | 21°50'12" ♃  | 06°47'42"  | -11°48'39" | 00°00'37"  | 88.003 |
| 06/04/2011 00:00:00 | ☉  | 15°51'13" ♄  | 06°14'17"  | 00°00'00"  | 00°59'05"  | 1.001  |
| 06/04/2011 00:00:00 | ☾  | 12°07'16" ♃  | 18°47'09"  | 03°29'02"  | 12°02'53"  | 0.003  |
| 06/04/2011 00:00:00 | ♀  | 22°18'42" ♄r | 11°31'06"  | 03°03'16"  | -00°36'43" | 0.617  |
| 06/04/2011 00:00:00 | ♀  | 11°41'07" ♃  | -08°10'46" | -01°04'51" | 01°12'17"  | 1.290  |
| 06/04/2011 00:00:00 | ♂  | 02°57'26" ♄  | 00°20'36"  | -00°54'24" | 00°46'39"  | 2.344  |
| 06/04/2011 00:00:00 | ♃  | 16°18'28" ♄  | 05°24'59"  | -01°04'43" | 00°14'31"  | 5.949  |
| 06/04/2011 00:00:00 | ♃  | 13°43'28" ♄r | -02°53'36" | 02°44'06"  | -00°04'39" | 8.615  |
| 06/04/2011 00:00:00 | ♃  | 01°25'05" ♄  | -00°05'01" | -00°42'21" | 00°03'20"  | 21.054 |
| 06/04/2011 00:00:00 | ♃  | 00°02'28" ♃  | -11°55'25" | -00°29'55" | 00°01'43"  | 30.700 |
| 06/04/2011 00:00:00 | ♃  | 07°30'16" ♃  | -18°43'24" | 04°30'31"  | 00°00'06"  | 31.846 |
| 06/04/2011 00:00:00 | ♃  | 25°50'53" ♄r | -23°22'21" | 00°00'00"  | -00°08'28" | 0.003  |
| 06/04/2011 00:00:00 | ♃  | 03°37'04" ♃  | -04°54'25" | 05°39'04"  | 00°03'15"  | 17.426 |
| 06/04/2011 00:00:00 | ♃  | 01°31'18" ♄  | 05°18'43"  | 05°07'52"  | 00°06'43"  | 0.003  |
| 06/04/2011 00:00:00 | T♃ | 25°50'53" ♄r | -23°22'21" | 00°00'00"  | -00°08'28" | 0.003  |
| 06/04/2011 00:00:00 | T♃ | 10°47'35" ♄  | 08°44'37"  | 04°51'50"  | 03°44'15"  | 0.003  |
| 06/04/2011 00:00:00 | X  | 21°44'16" ♄  | -03°53'08" | -13°18'13" | 00°00'39"  | 97.575 |
| 06/04/2011 00:00:00 | Y  | 21°50'50" ♃  | 06°47'56"  | -11°48'34" | 00°00'38"  | 88.012 |



Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 07/04/2011 00:00:00 | ♁ | 16°50'18" ♀ | 06°36'58"  | 00°00'00"  | 00°59'03"  | 1.001  |
| 07/04/2011 00:00:00 | ♃ | 24°13'31" ♂ | 21°23'12"  | 02°38'32"  | 12°10'00"  | 0.003  |
| 07/04/2011 00:00:00 | ♁ | 21°40'04" ♀ | 11°09'00"  | 02°55'05"  | -00°40'24" | 0.607  |
| 07/04/2011 00:00:00 | ♁ | 12°53'25" ♀ | -07°45'13" | -01°07'08" | 01°12'19"  | 1.296  |
| 07/04/2011 00:00:00 | ♂ | 03°44'05" ♀ | 00°39'28"  | -00°54'02" | 00°46'37"  | 2.343  |
| 07/04/2011 00:00:00 | ♃ | 16°32'59" ♀ | 05°30'33"  | -01°04'42" | 00°14'30"  | 5.949  |
| 07/04/2011 00:00:00 | ♃ | 13°38'48" ♀ | -02°51'48" | 02°44'06"  | -00°04'39" | 8.615  |
| 07/04/2011 00:00:00 | ♃ | 01°28'26" ♀ | -00°03'41" | -00°42'21" | 00°03'20"  | 21.050 |
| 07/04/2011 00:00:00 | ♁ | 00°04'11" ♀ | -11°54'50" | -00°29'56" | 00°01'42"  | 30.688 |
| 07/04/2011 00:00:00 | ♁ | 07°30'22" ♂ | -18°43'21" | 04°30'33"  | 00°00'04"  | 31.830 |
| 07/04/2011 00:00:00 | ♁ | 25°43'51" ♂ | -23°22'08" | 00°00'00"  | -00°05'34" | 0.003  |
| 07/04/2011 00:00:00 | ♁ | 03°40'18" ♀ | -04°53'06" | 05°39'14"  | 00°03'13"  | 17.416 |
| 07/04/2011 00:00:00 | ♁ | 01°38'01" ♀ | 05°21'20"  | 05°07'48"  | 00°06'43"  | 0.003  |
| 07/04/2011 00:00:00 | ♁ | 25°43'51" ♂ | -23°22'08" | 00°00'00"  | -00°05'34" | 0.003  |
| 07/04/2011 00:00:00 | ♁ | 14°32'37" ♀ | 10°08'05"  | 04°46'42"  | 03°42'59"  | 0.003  |
| 07/04/2011 00:00:00 | X | 21°44'55" ♀ | -03°52'51" | -13°18'10" | 00°00'39"  | 97.577 |
| 07/04/2011 00:00:00 | Y | 21°51'29" ♂ | 06°48'10"  | -11°48'29" | 00°00'38"  | 88.021 |
| 08/04/2011 00:00:00 | ♁ | 17°49'20" ♀ | 06°59'32"  | -00°00'00" | 00°59'01"  | 1.001  |
| 08/04/2011 00:00:00 | ♃ | 06°28'11" ♀ | 23°01'48"  | 01°40'01"  | 12°19'48"  | 0.003  |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 08/04/2011 00:00:00 | ♀ | 20°58'10" ♏ | 10°44'13"  | 02°45'22"  | -00°43'15" | 0.599  |
| 08/04/2011 00:00:00 | ♀ | 14°05'45" ♏ | -07°19'26" | -01°09'21" | 01°12'20"  | 1.302  |
| 08/04/2011 00:00:00 | ♂ | 04°30'41" ♏ | 00°58'19"  | -00°53'39" | 00°46'35"  | 2.342  |
| 08/04/2011 00:00:00 | ♃ | 16°47'30" ♏ | 05°36'07"  | -01°04'41" | 00°14'30"  | 5.949  |
| 08/04/2011 00:00:00 | ♃ | 13°34'09" ♏ | -02°50'00" | 02°44'06"  | -00°04'38" | 8.616  |
| 08/04/2011 00:00:00 | ♃ | 01°31'45" ♏ | -00°02'22" | -00°42'22" | 00°03'19"  | 21.045 |
| 08/04/2011 00:00:00 | ♃ | 00°05'52" ♏ | -11°54'15" | -00°29'58" | 00°01'40"  | 30.675 |
| 08/04/2011 00:00:00 | ♃ | 07°30'25" ♏ | -18°43'19" | 04°30'36"  | 00°00'02"  | 31.814 |
| 08/04/2011 00:00:00 | ♃ | 25°39'40" ♏ | -23°21'59" | 00°00'00"  | -00°02'50" | 0.003  |
| 08/04/2011 00:00:00 | ♃ | 03°43'30" ♏ | -04°51'47" | 05°39'25"  | 00°03'10"  | 17.406 |
| 08/04/2011 00:00:00 | ♃ | 01°44'45" ♏ | 05°23'56"  | 05°07'44"  | 00°06'43"  | 0.003  |
| 08/04/2011 00:00:00 | ♃ | 25°39'40" ♏ | -23°21'59" | 00°00'00"  | -00°02'50" | 0.003  |
| 08/04/2011 00:00:00 | ♃ | 18°07'22" ♏ | 11°25'39"  | 04°40'38"  | 03°23'10"  | 0.003  |
| 08/04/2011 00:00:00 | X | 21°45'34" ♏ | -03°52'35" | -13°18'07" | 00°00'39"  | 97.578 |
| 08/04/2011 00:00:00 | Y | 21°52'08" ♏ | 06°48'24"  | -11°48'24" | 00°00'39"  | 88.030 |
| 09/04/2011 00:00:00 | ☉ | 18°48'20" ♏ | 07°22'00"  | -00°00'00" | 00°58'59"  | 1.001  |
| 09/04/2011 00:00:00 | ☾ | 18°54'13" ♏ | 23°34'04"  | 00°35'44"  | 12°32'52"  | 0.003  |
| 09/04/2011 00:00:00 | ♀ | 20°13'51" ♏ | 10°17'08"  | 02°34'14"  | -00°45'12" | 0.592  |
| 09/04/2011 00:00:00 | ♀ | 15°18'06" ♏ | -06°53'26" | -01°11'29" | 01°12'21"  | 1.308  |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 09/04/2011 00:00:00 | ♂ | 05°17'16" ♏ | 01°17'07"  | -00°53'16" | 00°46'33"  | 2.342  |
| 09/04/2011 00:00:00 | ♃ | 17°02'01" ♏ | 05°41'41"  | -01°04'41" | 00°14'30"  | 5.949  |
| 09/04/2011 00:00:00 | ♅ | 13°29'30" ♏ | -02°48'12" | 02°44'06"  | -00°04'38" | 8.618  |
| 09/04/2011 00:00:00 | ♁ | 01°35'05" ♏ | -00°01'03" | -00°42'22" | 00°03'18"  | 21.041 |
| 09/04/2011 00:00:00 | ♃ | 00°07'32" ♏ | -11°53'41" | -00°29'59" | 00°01'39"  | 30.663 |
| 09/04/2011 00:00:00 | ♁ | 07°30'27" ♏ | -18°43'16" | 04°30'38"  | 00°00'00"  | 31.797 |
| 09/04/2011 00:00:00 | ♁ | 25°37'57" ♏ | -23°21'56" | 00°00'00"  | -00°00'44" | 0.002  |
| 09/04/2011 00:00:00 | ♁ | 03°46'40" ♏ | -04°50'29" | 05°39'36"  | 00°03'08"  | 17.396 |
| 09/04/2011 00:00:00 | ♁ | 01°51'28" ♏ | 05°26'33"  | 05°07'40"  | 00°06'43"  | 0.003  |
| 09/04/2011 00:00:00 | ♁ | 25°37'57" ♏ | -23°21'56" | 00°00'00"  | -00°00'44" | 0.002  |
| 09/04/2011 00:00:00 | ♁ | 21°12'14" ♏ | 12°30'34"  | 04°34'32"  | 02°43'15"  | 0.003  |
| 09/04/2011 00:00:00 | X | 21°46'14" ♏ | -03°52'18" | -13°18'04" | 00°00'39"  | 97.579 |
| 09/04/2011 00:00:00 | Y | 21°52'48" ♏ | 06°48'38"  | -11°48'20" | 00°00'39"  | 88.039 |
| 10/04/2011 00:00:00 | ♁ | 19°47'18" ♏ | 07°44'19"  | -00°00'00" | 00°58'56"  | 1.002  |
| 10/04/2011 00:00:00 | ♁ | 01°35'10" ♏ | 22°54'00"  | -00°31'41" | 12°49'40"  | 0.003  |
| 10/04/2011 00:00:00 | ♁ | 19°28'03" ♏ | 09°48'14"  | 02°21'47"  | -00°46'15" | 0.586  |
| 10/04/2011 00:00:00 | ♀ | 16°30'28" ♏ | -06°27'15" | -01°13'33" | 01°12'22"  | 1.314  |
| 10/04/2011 00:00:00 | ♂ | 06°03'48" ♏ | 01°35'55"  | -00°52'52" | 00°46'31"  | 2.341  |
| 10/04/2011 00:00:00 | ♃ | 17°16'31" ♏ | 05°47'14"  | -01°04'40" | 00°14'30"  | 5.949  |

Ephemerides year 2011

|                     |    |           |   |            |            |            |        |
|---------------------|----|-----------|---|------------|------------|------------|--------|
| 10/04/2011 00:00:00 | ♃  | 13°24'52" | ♈ | -02°46'26" | 02°44'05"  | -00°04'37" | 8.620  |
| 10/04/2011 00:00:00 | ♅  | 01°38'23" | ♊ | 00°00'14"  | -00°42'22" | 00°03'18"  | 21.036 |
| 10/04/2011 00:00:00 | ♆  | 00°09'11" | ♋ | -11°53'08" | -00°30'01" | 00°01'37"  | 30.650 |
| 10/04/2011 00:00:00 | ♁  | 07°30'27" | ♉ | -18°43'13" | 04°30'41"  | -00°00'01" | 31.781 |
| 10/04/2011 00:00:00 | ♄  | 25°37'52" | ♌ | -23°21'56" | 00°00'00"  | 00°00'24"  | 0.002  |
| 10/04/2011 00:00:00 | ♂  | 03°49'47" | ♍ | -04°49'12" | 05°39'47"  | 00°03'06"  | 17.385 |
| 10/04/2011 00:00:00 | ♁  | 01°58'12" | ♊ | 05°29'09"  | 05°07'35"  | 00°06'43"  | 0.003  |
| 10/04/2011 00:00:00 | T♄ | 25°37'52" | ♌ | -23°21'56" | 00°00'00"  | 00°00'24"  | 0.002  |
| 10/04/2011 00:00:00 | T♃ | 23°27'41" | ♋ | 13°16'55"  | 04°29'34"  | 01°44'51"  | 0.003  |
| 10/04/2011 00:00:00 | X  | 21°46'53" | ♊ | -03°52'01" | -13°18'02" | 00°00'39"  | 97.580 |
| 10/04/2011 00:00:00 | Y  | 21°53'28" | ♋ | 06°48'52"  | -11°48'15" | 00°00'40"  | 88.047 |
| 11/04/2011 00:00:00 | ♁  | 20°46'14" | ♊ | 08°06'31"  | -00°00'00" | 00°58'54"  | 1.002  |
| 11/04/2011 00:00:00 | ♃  | 14°34'51" | ♈ | 20°59'47"  | -01°39'11" | 13°10'19"  | 0.003  |
| 11/04/2011 00:00:00 | ♁  | 18°41'38" | ♊ | 09°17'59"  | 02°08'12"  | -00°46'24" | 0.582  |
| 11/04/2011 00:00:00 | ♆  | 17°42'51" | ♋ | -06°00'51" | -01°15'32" | 01°12'23"  | 1.320  |
| 11/04/2011 00:00:00 | ♂  | 06°50'19" | ♊ | 01°54'40"  | -00°52'28" | 00°46'29"  | 2.340  |
| 11/04/2011 00:00:00 | ♁  | 17°31'01" | ♊ | 05°52'46"  | -01°04'40" | 00°14'29"  | 5.948  |
| 11/04/2011 00:00:00 | ♃  | 13°20'15" | ♈ | -02°44'39" | 02°44'04"  | -00°04'36" | 8.622  |
| 11/04/2011 00:00:00 | ♅  | 01°41'41" | ♊ | 00°01'32"  | -00°42'23" | 00°03'17"  | 21.031 |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 11/04/2011 00:00:00 | ♁ | 00°10'48" ♈ | -11°52'35" | -00°30'02" | 00°01'36"  | 30.637 |
| 11/04/2011 00:00:00 | ♁ | 07°30'24" ♈ | -18°43'11" | 04°30'43"  | -00°00'03" | 31.765 |
| 11/04/2011 00:00:00 | ♁ | 25°38'23" ♈ | -23°21'57" | 00°00'00"  | 00°00'25"  | 0.002  |
| 11/04/2011 00:00:00 | ♁ | 03°52'53" ♈ | -04°47'55" | 05°39'59"  | 00°03'04"  | 17.374 |
| 11/04/2011 00:00:00 | ♁ | 02°04'55" ♈ | 05°31'46"  | 05°07'31"  | 00°06'43"  | 0.003  |
| 11/04/2011 00:00:00 | ♁ | 25°38'23" ♈ | -23°21'57" | 00°00'00"  | 00°00'25"  | 0.002  |
| 11/04/2011 00:00:00 | ♁ | 24°37'30" ♈ | 13°40'24"  | 04°26'51"  | 00°33'17"  | 0.003  |
| 11/04/2011 00:00:00 | X | 21°47'33" ♈ | -03°51'45" | -13°18'00" | 00°00'39"  | 97.581 |
| 11/04/2011 00:00:00 | Y | 21°54'08" ♈ | 06°49'06"  | -11°48'11" | 00°00'40"  | 88.055 |
| 12/04/2011 00:00:00 | ♁ | 21°45'07" ♈ | 08°28'34"  | -00°00'00" | 00°58'52"  | 1.002  |
| 12/04/2011 00:00:00 | ♁ | 27°56'57" ♈ | 17°54'10"  | -02°43'16" | 13°34'21"  | 0.003  |
| 12/04/2011 00:00:00 | ♁ | 17°55'30" ♈ | 08°46'54"  | 01°53'37"  | -00°45'41" | 0.580  |
| 12/04/2011 00:00:00 | ♁ | 18°55'15" ♈ | -05°34'17" | -01°17'27" | 01°12'24"  | 1.326  |
| 12/04/2011 00:00:00 | ♁ | 07°36'47" ♈ | 02°13'23"  | -00°52'04" | 00°46'26"  | 2.339  |
| 12/04/2011 00:00:00 | ♁ | 17°45'31" ♈ | 05°58'18"  | -01°04'40" | 00°14'29"  | 5.948  |
| 12/04/2011 00:00:00 | ♁ | 13°15'40" ♈ | -02°42'54" | 02°44'03"  | -00°04'35" | 8.624  |
| 12/04/2011 00:00:00 | ♁ | 01°44'57" ♈ | 00°02'50"  | -00°42'23" | 00°03'16"  | 21.025 |
| 12/04/2011 00:00:00 | ♁ | 00°12'24" ♈ | -11°52'02" | -00°30'03" | 00°01'34"  | 30.624 |
| 12/04/2011 00:00:00 | ♁ | 07°30'20" ♈ | -18°43'09" | 04°30'46"  | -00°00'04" | 31.749 |

Ephemerides year 2011

|                     |   |           |   |            |            |            |        |
|---------------------|---|-----------|---|------------|------------|------------|--------|
| 12/04/2011 00:00:00 | ♏ | 25°38'20" | ♄ | -23°21'57" | 00°00'00"  | -00°00'39" | 0.002  |
| 12/04/2011 00:00:00 | ♋ | 03°55'56" | ♃ | -04°46'39" | 05°40'11"  | 00°03'01"  | 17.363 |
| 12/04/2011 00:00:00 | ♌ | 02°11'39" | ♉ | 05°34'22"  | 05°07'26"  | 00°06'43"  | 0.003  |
| 12/04/2011 00:00:00 | ♏ | 25°38'20" | ♄ | -23°21'57" | 00°00'00"  | -00°00'39" | 0.002  |
| 12/04/2011 00:00:00 | ♌ | 24°33'25" | ♉ | 13°39'03"  | 04°27'02"  | -00°40'37" | 0.003  |
| 12/04/2011 00:00:00 | X | 21°48'13" | ♉ | -03°51'29" | -13°17'57" | 00°00'39"  | 97.581 |
| 12/04/2011 00:00:00 | Y | 21°54'48" | ♄ | 06°49'20"  | -11°48'06" | 00°00'40"  | 88.063 |
| 13/04/2011 00:00:00 | ♉ | 22°43'58" | ♉ | 08°50'29"  | -00°00'00" | 00°58'49"  | 1.002  |
| 13/04/2011 00:00:00 | ♄ | 11°44'18" | ♄ | 13°44'27"  | -03°39'56" | 14°00'32"  | 0.002  |
| 13/04/2011 00:00:00 | ♌ | 17°10'31" | ♉ | 08°15'28"  | 01°38'15"  | -00°44'09" | 0.579  |
| 13/04/2011 00:00:00 | ♌ | 20°07'40" | ♃ | -05°07'32" | -01°19'18" | 01°12'25"  | 1.332  |
| 13/04/2011 00:00:00 | ♄ | 08°23'12" | ♉ | 02°32'03"  | -00°51'40" | 00°46'24"  | 2.338  |
| 13/04/2011 00:00:00 | ♌ | 18°00'00" | ♉ | 06°03'49"  | -01°04'40" | 00°14'28"  | 5.947  |
| 13/04/2011 00:00:00 | ♄ | 13°11'05" | ♄ | -02°41'09" | 02°44'01"  | -00°04'33" | 8.627  |
| 13/04/2011 00:00:00 | ♌ | 01°48'13" | ♉ | 00°04'07"  | -00°42'24" | 00°03'15"  | 21.019 |
| 13/04/2011 00:00:00 | ♌ | 00°13'58" | ♃ | -11°51'30" | -00°30'05" | 00°01'33"  | 30.610 |
| 13/04/2011 00:00:00 | ♌ | 07°30'15" | ♄ | -18°43'07" | 04°30'48"  | -00°00'06" | 31.733 |
| 13/04/2011 00:00:00 | ♏ | 25°36'46" | ♄ | -23°21'54" | 00°00'00"  | -00°02'35" | 0.002  |
| 13/04/2011 00:00:00 | ♋ | 03°58'56" | ♃ | -04°45'23" | 05°40'23"  | 00°02'59"  | 17.352 |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 13/04/2011 00:00:00 | ☾ | 02°18'22" ♀ | 05°36'58"  | 05°07'21"  | 00°06'43"  | 0.003  |
| 13/04/2011 00:00:00 | ♄ | 25°36'46" ♂ | -23°21'54" | 00°00'00"  | -00°02'35" | 0.002  |
| 13/04/2011 00:00:00 | ♃ | 23°20'43" ♀ | 13°14'35"  | 04°29'52"  | -01°41'08" | 0.003  |
| 13/04/2011 00:00:00 | X | 21°48'52" ♀ | -03°51'13" | -13°17'55" | 00°00'39"  | 97.581 |
| 13/04/2011 00:00:00 | Y | 21°55'29" ♂ | 06°49'34"  | -11°48'02" | 00°00'41"  | 88.071 |
| 14/04/2011 00:00:00 | ☉ | 23°42'46" ♀ | 09°12'15"  | -00°00'00" | 00°58'47"  | 1.003  |
| 14/04/2011 00:00:00 | ☾ | 25°58'04" ♂ | 08°42'08"  | -04°24'57" | 14°26'44"  | 0.002  |
| 14/04/2011 00:00:00 | ♀ | 16°27'26" ♀ | 07°44'10"  | 01°22'17"  | -00°41'51" | 0.579  |
| 14/04/2011 00:00:00 | ♀ | 21°20'06" ♀ | -04°40'38" | -01°21'04" | 01°12'26"  | 1.338  |
| 14/04/2011 00:00:00 | ♂ | 09°09'36" ♀ | 02°50'41"  | -00°51'15" | 00°46'22"  | 2.338  |
| 14/04/2011 00:00:00 | ♃ | 18°14'29" ♀ | 06°09'19"  | -01°04'40" | 00°14'28"  | 5.946  |
| 14/04/2011 00:00:00 | ♃ | 13°06'32" ♀ | -02°39'25" | 02°43'59"  | -00°04'32" | 8.629  |
| 14/04/2011 00:00:00 | ♃ | 01°51'28" ♀ | 00°05'24"  | -00°42'25" | 00°03'14"  | 21.013 |
| 14/04/2011 00:00:00 | ♃ | 00°15'31" ♀ | -11°50'59" | -00°30'06" | 00°01'31"  | 30.597 |
| 14/04/2011 00:00:00 | ♃ | 07°30'07" ♂ | -18°43'05" | 04°30'51"  | -00°00'08" | 31.717 |
| 14/04/2011 00:00:00 | ♄ | 25°33'02" ♂ | -23°21'46" | 00°00'00"  | -00°04'54" | 0.002  |
| 14/04/2011 00:00:00 | ♃ | 04°01'54" ♀ | -04°44'08" | 05°40'35"  | 00°02'56"  | 17.340 |
| 14/04/2011 00:00:00 | ☾ | 02°25'05" ♀ | 05°39'33"  | 05°07'16"  | 00°06'43"  | 0.003  |
| 14/04/2011 00:00:00 | ♄ | 25°33'02" ♂ | -23°21'46" | 00°00'00"  | -00°04'54" | 0.002  |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 14/04/2011 00:00:00 | T♄ | 21°20'31" ♏ | 12°33'27"  | 04°34'17"  | -02°13'53" | 0.003  |
| 14/04/2011 00:00:00 | X  | 21°49'32" ♏ | -03°50'57" | -13°17'54" | 00°00'39"  | 97.581 |
| 14/04/2011 00:00:00 | Y  | 21°56'11" ♏ | 06°49'48"  | -11°47'58" | 00°00'41"  | 88.078 |
| 15/04/2011 00:00:00 | ☉  | 24°41'33" ♏ | 09°33'52"  | -00°00'00" | 00°58'45"  | 1.003  |
| 15/04/2011 00:00:00 | ☾  | 10°36'47" ♏ | 03°02'44"  | -04°54'10" | 14°49'55"  | 0.002  |
| 15/04/2011 00:00:00 | ♀  | 15°47'00" ♏ | 07°13'27"  | 01°05'53"  | -00°38'54" | 0.581  |
| 15/04/2011 00:00:00 | ♀  | 22°32'32" ♏ | -04°13'35" | -01°22'46" | 01°12'27"  | 1.344  |
| 15/04/2011 00:00:00 | ♂  | 09°55'57" ♏ | 03°09'17"  | -00°50'49" | 00°46'19"  | 2.337  |
| 15/04/2011 00:00:00 | ♃  | 18°28'57" ♏ | 06°14'48"  | -01°04'40" | 00°14'27"  | 5.944  |
| 15/04/2011 00:00:00 | ♅  | 13°02'00" ♏ | -02°37'42" | 02°43'56"  | -00°04'31" | 8.633  |
| 15/04/2011 00:00:00 | ♁  | 01°54'42" ♏ | 00°06'41"  | -00°42'25" | 00°03'13"  | 21.007 |
| 15/04/2011 00:00:00 | ♃  | 00°17'02" ♏ | -11°50'28" | -00°30'08" | 00°01'30"  | 30.583 |
| 15/04/2011 00:00:00 | ♁  | 07°29'57" ♏ | -18°43'03" | 04°30'53"  | -00°00'10" | 31.701 |
| 15/04/2011 00:00:00 | ♁  | 25°27'00" ♏ | -23°21'34" | 00°00'00"  | -00°07'03" | 0.002  |
| 15/04/2011 00:00:00 | ♃  | 04°04'50" ♏ | -04°42'54" | 05°40'47"  | 00°02'54"  | 17.329 |
| 15/04/2011 00:00:00 | ♁  | 02°31'49" ♏ | 05°42'09"  | 05°07'11"  | 00°06'43"  | 0.003  |
| 15/04/2011 00:00:00 | T♁ | 25°27'00" ♏ | -23°21'34" | 00°00'00"  | -00°07'03" | 0.002  |
| 15/04/2011 00:00:00 | T♄ | 19°03'14" ♏ | 11°45'30"  | 04°38'55"  | -02°16'15" | 0.003  |
| 15/04/2011 00:00:00 | X  | 21°50'11" ♏ | -03°50'41" | -13°17'52" | 00°00'39"  | 97.580 |



Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 15/04/2011 00:00:00 | Y  | 21°56'52" ♃ | 06°50'02"  | -11°47'54" | 00°00'41"  | 88.086 |
| 16/04/2011 00:00:00 | ☉  | 25°40'17" ♈ | 09°55'19"  | -00°00'00" | 00°58'42"  | 1.003  |
| 16/04/2011 00:00:00 | ☾  | 25°35'47" ♉ | -02°54'12" | -05°04'10" | 15°06'44"  | 0.002  |
| 16/04/2011 00:00:00 | ♀  | 15°09'50" ♈ | 06°43'45"  | 00°49'14"  | -00°35'21" | 0.584  |
| 16/04/2011 00:00:00 | ♀  | 23°45'00" ♉ | -03°46'23" | -01°24'23" | 01°12'28"  | 1.350  |
| 16/04/2011 00:00:00 | ♂  | 10°42'15" ♈ | 03°27'49"  | -00°50'24" | 00°46'17"  | 2.336  |
| 16/04/2011 00:00:00 | ♃  | 18°43'24" ♈ | 06°20'17"  | -01°04'40" | 00°14'26"  | 5.943  |
| 16/04/2011 00:00:00 | ♅  | 12°57'30" ♄ | -02°36'00" | 02°43'54"  | -00°04'29" | 8.636  |
| 16/04/2011 00:00:00 | ♁  | 01°57'55" ♈ | 00°07'57"  | -00°42'26" | 00°03'12"  | 21.001 |
| 16/04/2011 00:00:00 | ♃  | 00°18'31" ♉ | -11°49'58" | -00°30'09" | 00°01'28"  | 30.569 |
| 16/04/2011 00:00:00 | ♁  | 07°29'45" ♄ | -18°43'01" | 04°30'55"  | -00°00'12" | 31.686 |
| 16/04/2011 00:00:00 | ♁  | 25°19'08" ♄ | -23°21'18" | 00°00'00"  | -00°08'31" | 0.002  |
| 16/04/2011 00:00:00 | ♃  | 04°07'43" ♉ | -04°41'40" | 05°41'00"  | 00°02'51"  | 17.317 |
| 16/04/2011 00:00:00 | ♀  | 02°38'32" ♈ | 05°44'45"  | 05°07'05"  | 00°06'43"  | 0.003  |
| 16/04/2011 00:00:00 | T♁ | 25°19'08" ♄ | -23°21'18" | 00°00'00"  | -00°08'31" | 0.002  |
| 16/04/2011 00:00:00 | T♃ | 16°54'06" ♈ | 10°59'32"  | 04°42'57"  | -02°00'35" | 0.003  |
| 16/04/2011 00:00:00 | X  | 21°50'50" ♈ | -03°50'25" | -13°17'50" | 00°00'39"  | 97.579 |
| 16/04/2011 00:00:00 | Y  | 21°57'34" ♃ | 06°50'16"  | -11°47'50" | 00°00'41"  | 88.093 |
| 17/04/2011 00:00:00 | ☉  | 26°38'58" ♈ | 10°16'36"  | -00°00'00" | 00°58'40"  | 1.004  |

Ephemerides year 2011

|                     |   |           |   |            |            |            |        |
|---------------------|---|-----------|---|------------|------------|------------|--------|
| 17/04/2011 00:00:00 | ♃ | 10°47'08" | ♁ | -08°45'36" | -04°53'07" | 15°14'14"  | 0.002  |
| 17/04/2011 00:00:00 | ♆ | 14°36'26" | ♄ | 06°15'26"  | 00°32'32"  | -00°31'20" | 0.588  |
| 17/04/2011 00:00:00 | ♀ | 24°57'29" | ♃ | -03°19'04" | -01°25'55" | 01°12'29"  | 1.355  |
| 17/04/2011 00:00:00 | ♂ | 11°28'31" | ♄ | 03°46'19"  | -00°49'58" | 00°46'15"  | 2.335  |
| 17/04/2011 00:00:00 | ♁ | 18°57'50" | ♄ | 06°25'44"  | -01°04'40" | 00°14'25"  | 5.941  |
| 17/04/2011 00:00:00 | ♄ | 12°53'01" | ♁ | -02°34'19" | 02°43'51"  | -00°04'27" | 8.640  |
| 17/04/2011 00:00:00 | ♃ | 02°01'06" | ♄ | 00°09'12"  | -00°42'26" | 00°03'11"  | 20.994 |
| 17/04/2011 00:00:00 | ♆ | 00°19'59" | ♃ | -11°49'28" | -00°30'10" | 00°01'27"  | 30.556 |
| 17/04/2011 00:00:00 | ♁ | 07°29'32" | ♁ | -18°43'00" | 04°30'58"  | -00°00'14" | 31.670 |
| 17/04/2011 00:00:00 | ♁ | 25°10'19" | ♁ | -23°20'58" | 00°00'00"  | -00°08'55" | 0.003  |
| 17/04/2011 00:00:00 | ♃ | 04°10'33" | ♃ | -04°40'27" | 05°41'13"  | 00°02'49"  | 17.305 |
| 17/04/2011 00:00:00 | ♁ | 02°45'15" | ♄ | 05°47'20"  | 05°07'00"  | 00°06'43"  | 0.003  |
| 17/04/2011 00:00:00 | ♁ | 25°10'19" | ♁ | -23°20'58" | 00°00'00"  | -00°08'55" | 0.003  |
| 17/04/2011 00:00:00 | ♁ | 15°01'42" | ♄ | 10°19'01"  | 04°46'17"  | -01°45'46" | 0.003  |
| 17/04/2011 00:00:00 | X | 21°51'30" | ♄ | -03°50'10" | -13°17'49" | 00°00'39"  | 97.578 |
| 17/04/2011 00:00:00 | Y | 21°58'16" | ♁ | 06°50'30"  | -11°47'47" | 00°00'42"  | 88.099 |
| 18/04/2011 00:00:00 | ♁ | 27°37'38" | ♄ | 10°37'43"  | -00°00'00" | 00°58'38"  | 1.004  |
| 18/04/2011 00:00:00 | ♃ | 26°00'39" | ♁ | -14°05'58" | -04°21'20" | 15°10'55"  | 0.002  |
| 18/04/2011 00:00:00 | ♆ | 14°07'17" | ♄ | 05°48'49"  | 00°15'56"  | -00°26'56" | 0.593  |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 18/04/2011 00:00:00 | ♀  | 26°09'58" ♈ | -02°51'38" | -01°27'23" | 01°12'30"  | 1.361  |
| 18/04/2011 00:00:00 | ♂  | 12°14'45" ♏ | 04°04'46"  | -00°49'31" | 00°46'12"  | 2.334  |
| 18/04/2011 00:00:00 | ♃  | 19°12'15" ♏ | 06°31'11"  | -01°04'41" | 00°14'25"  | 5.939  |
| 18/04/2011 00:00:00 | ♅  | 12°48'35" ♋ | -02°32'39" | 02°43'47"  | -00°04'25" | 8.644  |
| 18/04/2011 00:00:00 | ♁  | 02°04'17" ♏ | 00°10'27"  | -00°42'27" | 00°03'10"  | 20.987 |
| 18/04/2011 00:00:00 | ♃  | 00°21'26" ♈ | -11°48'59" | -00°30'12" | 00°01'25"  | 30.541 |
| 18/04/2011 00:00:00 | ♁  | 07°29'17" ♁ | -18°42'58" | 04°31'00"  | -00°00'16" | 31.654 |
| 18/04/2011 00:00:00 | ♄  | 25°01'40" ♁ | -23°20'39" | 00°00'00"  | -00°08'10" | 0.003  |
| 18/04/2011 00:00:00 | ♅  | 04°13'22" ♈ | -04°39'15" | 05°41'26"  | 00°02'46"  | 17.293 |
| 18/04/2011 00:00:00 | ♁  | 02°51'58" ♏ | 05°49'55"  | 05°06'54"  | 00°06'43"  | 0.003  |
| 18/04/2011 00:00:00 | T♄ | 25°01'40" ♁ | -23°20'39" | 00°00'00"  | -00°08'10" | 0.003  |
| 18/04/2011 00:00:00 | T♁ | 13°17'31" ♏ | 09°41'11"  | 04°49'20"  | -01°45'37" | 0.003  |
| 18/04/2011 00:00:00 | X  | 21°52'09" ♏ | -03°49'54" | -13°17'47" | 00°00'39"  | 97.577 |
| 18/04/2011 00:00:00 | Y  | 21°58'58" ♋ | 06°50'43"  | -11°47'43" | 00°00'42"  | 88.106 |
| 19/04/2011 00:00:00 | ☉  | 28°36'16" ♏ | 10°58'39"  | -00°00'00" | 00°58'37"  | 1.004  |
| 19/04/2011 00:00:00 | ☾  | 11°05'28" ♎ | -18°30'10" | -03°31'32" | 14°57'08"  | 0.002  |
| 19/04/2011 00:00:00 | ♃  | 13°42'40" ♏ | 05°24'12"  | -00°00'25" | -00°22'14" | 0.599  |
| 19/04/2011 00:00:00 | ♀  | 27°22'29" ♈ | -02°24'05" | -01°28'46" | 01°12'31"  | 1.367  |
| 19/04/2011 00:00:00 | ♂  | 13°00'57" ♏ | 04°23'09"  | -00°49'05" | 00°46'10"  | 2.334  |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 19/04/2011 00:00:00 | ♈ | 19°26'40" ♀ | 06°36'37"  | -01°04'42" | 00°14'24"  | 5.937  |
| 19/04/2011 00:00:00 | ♉ | 12°44'11" ♀ | -02°31'00" | 02°43'43"  | -00°04'23" | 8.649  |
| 19/04/2011 00:00:00 | ♊ | 02°07'27" ♀ | 00°11'42"  | -00°42'28" | 00°03'09"  | 20.980 |
| 19/04/2011 00:00:00 | ♋ | 00°22'51" ♀ | -11°48'30" | -00°30'13" | 00°01'24"  | 30.527 |
| 19/04/2011 00:00:00 | ♌ | 07°29'00" ♀ | -18°42'57" | 04°31'02"  | -00°00'17" | 31.639 |
| 19/04/2011 00:00:00 | ♍ | 24°54'17" ♀ | -23°20'22" | 00°00'00"  | -00°06'27" | 0.003  |
| 19/04/2011 00:00:00 | ♎ | 04°16'07" ♀ | -04°38'03" | 05°41'39"  | 00°02'44"  | 17.281 |
| 19/04/2011 00:00:00 | ♏ | 02°58'42" ♀ | 05°52'30"  | 05°06'48"  | 00°06'43"  | 0.003  |
| 19/04/2011 00:00:00 | ♐ | 24°54'17" ♀ | -23°20'22" | 00°00'00"  | -00°06'27" | 0.003  |
| 19/04/2011 00:00:00 | ♑ | 11°24'24" ♀ | 08°59'50"  | 04°52'38"  | -02°03'09" | 0.003  |
| 19/04/2011 00:00:00 | ♒ | 21°52'48" ♀ | -03°49'39" | -13°17'46" | 00°00'39"  | 97.575 |
| 19/04/2011 00:00:00 | ♓ | 21°59'41" ♀ | 06°50'57"  | -11°47'40" | 00°00'42"  | 88.112 |
| 20/04/2011 00:00:00 | ♈ | 29°34'52" ♀ | 11°19'25"  | -00°00'00" | 00°58'35"  | 1.004  |
| 20/04/2011 00:00:00 | ♉ | 25°52'09" ♀ | -21°37'23" | -02°28'17" | 14°35'04"  | 0.002  |
| 20/04/2011 00:00:00 | ♊ | 13°22'52" ♀ | 05°01'45"  | -00°16'25" | -00°17'19" | 0.607  |
| 20/04/2011 00:00:00 | ♋ | 28°35'01" ♀ | -01°56'26" | -01°30'04" | 01°12'32"  | 1.373  |
| 20/04/2011 00:00:00 | ♌ | 13°47'07" ♀ | 04°41'29"  | -00°48'38" | 00°46'08"  | 2.333  |
| 20/04/2011 00:00:00 | ♍ | 19°41'04" ♀ | 06°42'03"  | -01°04'42" | 00°14'23"  | 5.935  |
| 20/04/2011 00:00:00 | ♎ | 12°39'48" ♀ | -02°29'22" | 02°43'39"  | -00°04'20" | 8.653  |

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|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 20/04/2011 00:00:00 | ♃ | 02°10'35" ♈ | 00°12'56"  | -00°42'29" | 00°03'08"  | 20.972 |
| 20/04/2011 00:00:00 | ♃ | 00°24'14" ♈ | -11°48'02" | -00°30'15" | 00°01'22"  | 30.513 |
| 20/04/2011 00:00:00 | ♃ | 07°28'41" ♈ | -18°42'56" | 04°31'04"  | -00°00'19" | 31.624 |
| 20/04/2011 00:00:00 | ♃ | 24°48'55" ♈ | -23°20'10" | 00°00'00"  | -00°04'11" | 0.003  |
| 20/04/2011 00:00:00 | ♃ | 04°18'50" ♈ | -04°36'52" | 05°41'53"  | 00°02'41"  | 17.268 |
| 20/04/2011 00:00:00 | ♃ | 03°05'25" ♈ | 05°55'05"  | 05°06'42"  | 00°06'43"  | 0.003  |
| 20/04/2011 00:00:00 | ♃ | 24°48'55" ♈ | -23°20'10" | 00°00'00"  | -00°04'11" | 0.003  |
| 20/04/2011 00:00:00 | ♃ | 09°07'57" ♈ | 08°09'25"  | 04°56'19"  | -02°30'09" | 0.003  |
| 20/04/2011 00:00:00 | X | 21°53'28" ♈ | -03°49'24" | -13°17'45" | 00°00'39"  | 97.573 |
| 20/04/2011 00:00:00 | Y | 22°00'24" ♈ | 06°51'10"  | -11°47'36" | 00°00'43"  | 88.118 |
| 21/04/2011 00:00:00 | ♃ | 00°33'27" ♈ | 11°39'59"  | -00°00'00" | 00°58'33"  | 1.005  |
| 21/04/2011 00:00:00 | ♃ | 10°13'57" ♈ | -23°15'10" | -01°17'05" | 14°07'58"  | 0.002  |
| 21/04/2011 00:00:00 | ♃ | 13°08'03" ♈ | 04°41'41"  | -00°31'57" | -00°12'18" | 0.615  |
| 21/04/2011 00:00:00 | ♃ | 29°47'35" ♈ | -01°28'42" | -01°31'18" | 01°12'33"  | 1.378  |
| 21/04/2011 00:00:00 | ♃ | 14°33'14" ♈ | 04°59'45"  | -00°48'10" | 00°46'06"  | 2.332  |
| 21/04/2011 00:00:00 | ♃ | 19°55'26" ♈ | 06°47'27"  | -01°04'43" | 00°14'22"  | 5.932  |
| 21/04/2011 00:00:00 | ♃ | 12°35'29" ♈ | -02°27'45" | 02°43'35"  | -00°04'18" | 8.658  |
| 21/04/2011 00:00:00 | ♃ | 02°13'43" ♈ | 00°14'10"  | -00°42'29" | 00°03'06"  | 20.965 |
| 21/04/2011 00:00:00 | ♃ | 00°25'36" ♈ | -11°47'35" | -00°30'16" | 00°01'21"  | 30.498 |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 21/04/2011 00:00:00 | ♁ | 07°28'21" ♄ | -18°42'55" | 04°31'06"  | -00°00'21" | 31.608 |
| 21/04/2011 00:00:00 | ♁ | 24°45'54" ♄ | -23°20'02" | 00°00'00"  | -00°01'54" | 0.003  |
| 21/04/2011 00:00:00 | ♃ | 04°21'31" ♃ | -04°35'42" | 05°42'07"  | 00°02'39"  | 17.256 |
| 21/04/2011 00:00:00 | ♁ | 03°12'09" ♄ | 05°57'40"  | 05°06'36"  | 00°06'43"  | 0.003  |
| 21/04/2011 00:00:00 | ♁ | 24°45'54" ♄ | -23°20'02" | 00°00'00"  | -00°01'54" | 0.003  |
| 21/04/2011 00:00:00 | ♁ | 06°26'12" ♄ | 07°08'51"  | 05°00'08"  | -02°50'49" | 0.003  |
| 21/04/2011 00:00:00 | X | 21°54'07" ♄ | -03°49'09" | -13°17'44" | 00°00'39"  | 97.571 |
| 21/04/2011 00:00:00 | Y | 22°01'07" ♄ | 06°51'24"  | -11°47'33" | 00°00'43"  | 88.123 |
| 22/04/2011 00:00:00 | ♁ | 01°32'00" ♄ | 12°00'23"  | -00°00'00" | 00°58'31"  | 1.005  |
| 22/04/2011 00:00:00 | ♁ | 24°07'31" ♄ | -23°21'47" | -00°03'21" | 13°39'09"  | 0.003  |
| 22/04/2011 00:00:00 | ♁ | 12°58'17" ♄ | 04°24'06"  | -00°46'56" | -00°07'12" | 0.623  |
| 22/04/2011 00:00:00 | ♁ | 01°00'09" ♄ | -01°00'54" | -01°32'27" | 01°12'34"  | 1.384  |
| 22/04/2011 00:00:00 | ♁ | 15°19'19" ♄ | 05°17'57"  | -00°47'43" | 00°46'03"  | 2.331  |
| 22/04/2011 00:00:00 | ♁ | 20°09'48" ♄ | 06°52'50"  | -01°04'44" | 00°14'21"  | 5.930  |
| 22/04/2011 00:00:00 | ♁ | 12°31'11" ♄ | -02°26'09" | 02°43'30"  | -00°04'16" | 8.663  |
| 22/04/2011 00:00:00 | ♁ | 02°16'49" ♄ | 00°15'23"  | -00°42'30" | 00°03'05"  | 20.957 |
| 22/04/2011 00:00:00 | ♁ | 00°26'56" ♄ | -11°47'08" | -00°30'18" | 00°01'19"  | 30.483 |
| 22/04/2011 00:00:00 | ♁ | 07°27'58" ♄ | -18°42'54" | 04°31'08"  | -00°00'23" | 31.593 |
| 22/04/2011 00:00:00 | ♁ | 24°44'58" ♄ | -23°20'00" | 00°00'00"  | -00°00'03" | 0.003  |

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|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 22/04/2011 00:00:00 | ♄  | 04°24'08" ♈ | -04°34'32" | 05°42'20"  | 00°02'36"  | 17.243 |
| 22/04/2011 00:00:00 | ♁  | 03°18'52" ♈ | 06°00'15"  | 05°06'30"  | 00°06'43"  | 0.003  |
| 22/04/2011 00:00:00 | ♄♁ | 24°44'58" ♈ | -23°20'00" | 00°00'00"  | -00°00'03" | 0.003  |
| 22/04/2011 00:00:00 | ♁♄ | 03°33'34" ♈ | 06°03'17"  | 05°03'27"  | -02°50'02" | 0.003  |
| 22/04/2011 00:00:00 | X  | 21°54'46" ♈ | -03°48'54" | -13°17'43" | 00°00'39"  | 97.568 |
| 22/04/2011 00:00:00 | Y  | 22°01'51" ♉ | 06°51'37"  | -11°47'30" | 00°00'43"  | 88.129 |
| 23/04/2011 00:00:00 | ♁  | 02°30'31" ♉ | 12°20'34"  | -00°00'00" | 00°58'30"  | 1.005  |
| 23/04/2011 00:00:00 | ♃  | 07°32'38" ♉ | -22°05'15" | 01°08'13"  | 13°11'28"  | 0.003  |
| 23/04/2011 00:00:00 | ♁  | 12°53'38" ♈ | 04°09'04"  | -01°01'16" | -00°02'07" | 0.633  |
| 23/04/2011 00:00:00 | ♁  | 02°12'44" ♈ | -00°33'02" | -01°33'32" | 01°12'35"  | 1.390  |
| 23/04/2011 00:00:00 | ♁  | 16°05'22" ♈ | 05°36'05"  | -00°47'15" | 00°46'01"  | 2.330  |
| 23/04/2011 00:00:00 | ♁  | 20°24'09" ♈ | 06°58'13"  | -01°04'45" | 00°14'19"  | 5.927  |
| 23/04/2011 00:00:00 | ♁♃ | 12°26'57" ♈ | -02°24'35" | 02°43'25"  | -00°04'13" | 8.669  |
| 23/04/2011 00:00:00 | ♁  | 02°19'54" ♈ | 00°16'36"  | -00°42'31" | 00°03'04"  | 20.949 |
| 23/04/2011 00:00:00 | ♁  | 00°28'15" ♈ | -11°46'41" | -00°30'19" | 00°01'17"  | 30.469 |
| 23/04/2011 00:00:00 | ♁♃ | 07°27'34" ♈ | -18°42'53" | 04°31'10"  | -00°00'24" | 31.578 |
| 23/04/2011 00:00:00 | ♁  | 24°45'30" ♈ | -23°20'01" | 00°00'00"  | 00°00'58"  | 0.003  |
| 23/04/2011 00:00:00 | ♄  | 04°26'43" ♈ | -04°33'24" | 05°42'35"  | 00°02'33"  | 17.230 |
| 23/04/2011 00:00:00 | ♁  | 03°25'36" ♈ | 06°02'49"  | 05°06'24"  | 00°06'43"  | 0.003  |

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|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 23/04/2011 00:00:00 | T♄ | 24°45'30" ♄ | -23°20'01" | 00°00'00"  | 00°00'58"  | 0.003  |
| 23/04/2011 00:00:00 | T♄ | 00°55'06" ♄ | 05°02'22"  | 05°05'45"  | -02°22'44" | 0.003  |
| 23/04/2011 00:00:00 | X  | 21°55'25" ♄ | -03°48'39" | -13°17'43" | 00°00'39"  | 97.565 |
| 23/04/2011 00:00:00 | Y  | 22°02'35" ♄ | 06°51'51"  | -11°47'27" | 00°00'44"  | 88.134 |
| 24/04/2011 00:00:00 | ♁  | 03°29'00" ♄ | 12°40'33"  | -00°00'00" | 00°58'28"  | 1.006  |
| 24/04/2011 00:00:00 | ♂  | 20°31'30" ♄ | -19°39'41" | 02°14'00"  | 12°46'53"  | 0.003  |
| 24/04/2011 00:00:00 | ♀  | 12°54'02" ♄ | 03°56'38"  | -01°14'56" | 00°02'55"  | 0.643  |
| 24/04/2011 00:00:00 | ♀  | 03°25'21" ♄ | -00°05'07" | -01°34'32" | 01°12'36"  | 1.395  |
| 24/04/2011 00:00:00 | ♂  | 16°51'22" ♄ | 05°54'10"  | -00°46'46" | 00°45'59"  | 2.329  |
| 24/04/2011 00:00:00 | ♃  | 20°38'28" ♄ | 07°03'34"  | -01°04'46" | 00°14'18"  | 5.924  |
| 24/04/2011 00:00:00 | ♃  | 12°22'44" ♄ | -02°23'02" | 02°43'20"  | -00°04'10" | 8.675  |
| 24/04/2011 00:00:00 | ♃  | 02°22'58" ♄ | 00°17'48"  | -00°42'32" | 00°03'03"  | 20.940 |
| 24/04/2011 00:00:00 | ♃  | 00°29'32" ♄ | -11°46'16" | -00°30'21" | 00°01'16"  | 30.454 |
| 24/04/2011 00:00:00 | ♃  | 07°27'09" ♄ | -18°42'53" | 04°31'12"  | -00°00'26" | 31.563 |
| 24/04/2011 00:00:00 | ♁  | 24°46'35" ♄ | -23°20'04" | 00°00'00"  | 00°01'01"  | 0.003  |
| 24/04/2011 00:00:00 | ♃  | 04°29'16" ♄ | -04°32'16" | 05°42'49"  | 00°02'30"  | 17.217 |
| 24/04/2011 00:00:00 | ♄  | 03°32'19" ♄ | 06°05'24"  | 05°06'17"  | 00°06'43"  | 0.003  |
| 24/04/2011 00:00:00 | T♄ | 24°46'35" ♄ | -23°20'04" | 00°00'00"  | 00°01'01"  | 0.003  |
| 24/04/2011 00:00:00 | T♄ | 28°54'28" ♄ | 04°15'35"  | 05°07'00"  | -01°36'26" | 0.003  |



Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 24/04/2011 00:00:00 | X  | 21°56'04" ♀ | -03°48'25" | -13°17'42" | 00°00'38"  | 97.562 |
| 24/04/2011 00:00:00 | Y  | 22°03'19" ♂ | 06°52'04"  | -11°47'24" | 00°00'44"  | 88.139 |
| 25/04/2011 00:00:00 | ☉  | 04°27'28" ♂ | 13°00'20"  | 00°00'00"  | 00°58'26"  | 1.006  |
| 25/04/2011 00:00:00 | ☾  | 03°07'50" ♁ | -16°21'06" | 03°11'19"  | 12°26'34"  | 0.003  |
| 25/04/2011 00:00:00 | ♀  | 12°59'26" ♀ | 03°46'50"  | -01°27'51" | 00°07'52"  | 0.654  |
| 25/04/2011 00:00:00 | ♀  | 04°37'58" ♀ | 00°22'50"  | -01°35'27" | 01°12'37"  | 1.401  |
| 25/04/2011 00:00:00 | ♂  | 17°37'20" ♀ | 06°12'10"  | -00°46'18" | 00°45'56"  | 2.328  |
| 25/04/2011 00:00:00 | ♃  | 20°52'46" ♀ | 07°08'54"  | -01°04'48" | 00°14'17"  | 5.921  |
| 25/04/2011 00:00:00 | ♅  | 12°18'35" ♁ | -02°21'30" | 02°43'14"  | -00°04'07" | 8.681  |
| 25/04/2011 00:00:00 | ♁  | 02°26'00" ♀ | 00°19'00"  | -00°42'33" | 00°03'01"  | 20.932 |
| 25/04/2011 00:00:00 | ♃  | 00°30'47" ♁ | -11°45'50" | -00°30'22" | 00°01'14"  | 30.438 |
| 25/04/2011 00:00:00 | ♄  | 07°26'41" ♂ | -18°42'53" | 04°31'14"  | -00°00'28" | 31.549 |
| 25/04/2011 00:00:00 | ♆  | 24°47'15" ♂ | -23°20'06" | 00°00'00"  | 00°00'09"  | 0.003  |
| 25/04/2011 00:00:00 | ♁  | 04°31'45" ♁ | -04°31'09" | 05°43'04"  | 00°02'28"  | 17.204 |
| 25/04/2011 00:00:00 | ♁  | 03°39'02" ♀ | 06°07'58"  | 05°06'10"  | 00°06'43"  | 0.003  |
| 25/04/2011 00:00:00 | T♆ | 24°47'15" ♂ | -23°20'06" | 00°00'00"  | 00°00'09"  | 0.003  |
| 25/04/2011 00:00:00 | T♁ | 27°44'01" ♁ | 03°48'04"  | 05°07'30"  | -00°44'39" | 0.003  |
| 25/04/2011 00:00:00 | X  | 21°56'43" ♀ | -03°48'11" | -13°17'42" | 00°00'38"  | 97.559 |
| 25/04/2011 00:00:00 | Y  | 22°04'03" ♂ | 06°52'18"  | -11°47'22" | 00°00'44"  | 88.143 |

Ephemerides year 2011

|                     |    |           |   |            |            |            |        |
|---------------------|----|-----------|---|------------|------------|------------|--------|
| 26/04/2011 00:00:00 | ♈  | 05°25'54" | ♄ | 13°19'54"  | 00°00'00"  | 00°58'25"  | 1.006  |
| 26/04/2011 00:00:00 | ♉  | 15°26'13" | ♁ | -12°24'27" | 03°58'21"  | 12°10'59"  | 0.003  |
| 26/04/2011 00:00:00 | ♊  | 13°09'45" | ♋ | 03°39'37"  | -01°40'01" | 00°12'43"  | 0.666  |
| 26/04/2011 00:00:00 | ♋  | 05°50'36" | ♋ | 00°50'49"  | -01°36'17" | 01°12'38"  | 1.406  |
| 26/04/2011 00:00:00 | ♌  | 18°23'15" | ♋ | 06°30'05"  | -00°45'49" | 00°45'54"  | 2.327  |
| 26/04/2011 00:00:00 | ♍  | 21°07'03" | ♋ | 07°14'13"  | -01°04'49" | 00°14'15"  | 5.917  |
| 26/04/2011 00:00:00 | ♎  | 12°14'29" | ♎ | -02°20'00" | 02°43'08"  | -00°04'04" | 8.687  |
| 26/04/2011 00:00:00 | ♏  | 02°29'01" | ♋ | 00°20'11"  | -00°42'34" | 00°03'00"  | 20.923 |
| 26/04/2011 00:00:00 | ♐  | 00°32'01" | ♋ | -11°45'26" | -00°30'24" | 00°01'12"  | 30.423 |
| 26/04/2011 00:00:00 | ♑  | 07°26'12" | ♎ | -18°42'53" | 04°31'15"  | -00°00'30" | 31.534 |
| 26/04/2011 00:00:00 | ♒  | 24°46'40" | ♎ | -23°20'04" | 00°00'00"  | -00°01'25" | 0.003  |
| 26/04/2011 00:00:00 | ♓  | 04°34'12" | ♋ | -04°30'02" | 05°43'18"  | 00°02'25"  | 17.191 |
| 26/04/2011 00:00:00 | ♈  | 03°45'46" | ♋ | 06°10'32"  | 05°06'03"  | 00°06'43"  | 0.003  |
| 26/04/2011 00:00:00 | T♒ | 24°46'40" | ♎ | -23°20'04" | 00°00'00"  | -00°01'25" | 0.003  |
| 26/04/2011 00:00:00 | T♑ | 27°23'03" | ♋ | 03°39'47"  | 05°07'32"  | 00°00'59"  | 0.003  |
| 26/04/2011 00:00:00 | X  | 21°57'22" | ♋ | -03°47'57" | -13°17'42" | 00°00'38"  | 97.555 |
| 26/04/2011 00:00:00 | Y  | 22°04'48" | ♄ | 06°52'31"  | -11°47'19" | 00°00'44"  | 88.148 |
| 27/04/2011 00:00:00 | ♈  | 06°24'18" | ♄ | 13°39'15"  | 00°00'00"  | 00°58'23"  | 1.006  |
| 27/04/2011 00:00:00 | ♉  | 27°31'24" | ♁ | -08°02'31" | 04°33'48"  | 12°00'08"  | 0.003  |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 27/04/2011 00:00:00 | ♀ | 13°24'50" ♀ | 03°34'59"  | -01°51'24" | 00°17'25"  | 0.678  |
| 27/04/2011 00:00:00 | ♀ | 07°03'15" ♀ | 01°18'49"  | -01°37'03" | 01°12'39"  | 1.412  |
| 27/04/2011 00:00:00 | ♂ | 19°09'08" ♂ | 06°47'56"  | -00°45'19" | 00°45'51"  | 2.327  |
| 27/04/2011 00:00:00 | ♃ | 21°21'18" ♀ | 07°19'32"  | -01°04'51" | 00°14'14"  | 5.914  |
| 27/04/2011 00:00:00 | ♃ | 12°10'25" ♀ | -02°18'31" | 02°43'02"  | -00°04'01" | 8.694  |
| 27/04/2011 00:00:00 | ♃ | 02°32'00" ♀ | 00°21'22"  | -00°42'35" | 00°02'58"  | 20.914 |
| 27/04/2011 00:00:00 | ♃ | 00°33'12" ♀ | -11°45'02" | -00°30'26" | 00°01'10"  | 30.408 |
| 27/04/2011 00:00:00 | ♃ | 07°25'41" ♀ | -18°42'53" | 04°31'17"  | -00°00'31" | 31.520 |
| 27/04/2011 00:00:00 | ♃ | 24°44'16" ♀ | -23°19'59" | 00°00'00"  | -00°03'24" | 0.003  |
| 27/04/2011 00:00:00 | ♃ | 04°36'36" ♀ | -04°28'57" | 05°43'33"  | 00°02'22"  | 17.177 |
| 27/04/2011 00:00:00 | ♃ | 03°52'29" ♀ | 06°13'06"  | 05°05'56"  | 00°06'43"  | 0.003  |
| 27/04/2011 00:00:00 | ♃ | 24°44'16" ♀ | -23°19'59" | 00°00'00"  | -00°03'24" | 0.003  |
| 27/04/2011 00:00:00 | ♃ | 27°41'49" ♀ | 03°47'01"  | 05°07'18"  | 00°34'12"  | 0.003  |
| 27/04/2011 00:00:00 | X | 21°58'00" ♀ | -03°47'43" | -13°17'42" | 00°00'38"  | 97.551 |
| 27/04/2011 00:00:00 | Y | 22°05'33" ♀ | 06°52'44"  | -11°47'17" | 00°00'44"  | 88.152 |
| 28/04/2011 00:00:00 | ♃ | 07°22'41" ♀ | 13°58'23"  | 00°00'00"  | 00°58'22"  | 1.007  |
| 28/04/2011 00:00:00 | ♃ | 09°27'57" ♀ | -03°25'55" | 04°56'52"  | 11°53'39"  | 0.003  |
| 28/04/2011 00:00:00 | ♀ | 13°44'34" ♀ | 03°32'52"  | -02°01'58" | 00°21'59"  | 0.690  |
| 28/04/2011 00:00:00 | ♀ | 08°15'55" ♀ | 01°46'50"  | -01°37'44" | 01°12'40"  | 1.417  |

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|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 28/04/2011 00:00:00 | ♂ | 19°54'58" ♏ | 07°05'41"  | -00°44'50" | 00°45'48"  | 2.326  |
| 28/04/2011 00:00:00 | ♃ | 21°35'32" ♏ | 07°24'49"  | -01°04'52" | 00°14'12"  | 5.910  |
| 28/04/2011 00:00:00 | ♅ | 12°06'25" ♏ | -02°17'04" | 02°42'55"  | -00°03'58" | 8.701  |
| 28/04/2011 00:00:00 | ♁ | 02°34'58" ♏ | 00°22'31"  | -00°42'36" | 00°02'57"  | 20.904 |
| 28/04/2011 00:00:00 | ♆ | 00°34'22" ♏ | -11°44'39" | -00°30'27" | 00°01'09"  | 30.392 |
| 28/04/2011 00:00:00 | ♁ | 07°25'08" ♏ | -18°42'53" | 04°31'19"  | -00°00'33" | 31.505 |
| 28/04/2011 00:00:00 | ♄ | 24°39'50" ♏ | -23°19'48" | 00°00'00"  | -00°05'25" | 0.003  |
| 28/04/2011 00:00:00 | ♅ | 04°38'56" ♏ | -04°27'52" | 05°43'48"  | 00°02'19"  | 17.164 |
| 28/04/2011 00:00:00 | ♁ | 03°59'12" ♏ | 06°15'40"  | 05°05'49"  | 00°06'43"  | 0.003  |
| 28/04/2011 00:00:00 | ♄ | 24°39'50" ♏ | -23°19'48" | 00°00'00"  | -00°05'25" | 0.003  |
| 28/04/2011 00:00:00 | ♁ | 28°26'52" ♏ | 04°04'31"  | 05°06'54"  | 00°53'43"  | 0.003  |
| 28/04/2011 00:00:00 | X | 21°58'38" ♏ | -03°47'29" | -13°17'42" | 00°00'38"  | 97.547 |
| 28/04/2011 00:00:00 | Y | 22°06'17" ♏ | 06°52'57"  | -11°47'14" | 00°00'44"  | 88.156 |
| 29/04/2011 00:00:00 | ♁ | 08°21'02" ♏ | 14°17'16"  | 00°00'00"  | 00°58'20"  | 1.007  |
| 29/04/2011 00:00:00 | ♃ | 21°19'59" ♏ | 01°16'04"  | 05°06'59"  | 11°50'59"  | 0.003  |
| 29/04/2011 00:00:00 | ♁ | 14°08'46" ♏ | 03°33'13"  | -02°11'45" | 00°26'23"  | 0.703  |
| 29/04/2011 00:00:00 | ♀ | 09°28'35" ♏ | 02°14'50"  | -01°38'21" | 01°12'40"  | 1.423  |
| 29/04/2011 00:00:00 | ♂ | 20°40'46" ♏ | 07°23'22"  | -00°44'20" | 00°45'46"  | 2.325  |
| 29/04/2011 00:00:00 | ♃ | 21°49'44" ♏ | 07°30'04"  | -01°04'54" | 00°14'11"  | 5.906  |

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|                     |   |           |   |            |            |            |        |
|---------------------|---|-----------|---|------------|------------|------------|--------|
| 29/04/2011 00:00:00 | ♃ | 12°02'28" | ♈ | -02°15'38" | 02°42'48"  | -00°03'55" | 8.708  |
| 29/04/2011 00:00:00 | ♅ | 02°37'55" | ♊ | 00°23'41"  | -00°42'37" | 00°02'55"  | 20.895 |
| 29/04/2011 00:00:00 | ♆ | 00°35'30" | ♋ | -11°44'16" | -00°30'29" | 00°01'07"  | 30.377 |
| 29/04/2011 00:00:00 | ♁ | 07°24'33" | ♉ | -18°42'53" | 04°31'20"  | -00°00'35" | 31.491 |
| 29/04/2011 00:00:00 | ♄ | 24°33'31" | ♌ | -23°19'33" | 00°00'00"  | -00°07'07" | 0.003  |
| 29/04/2011 00:00:00 | ♂ | 04°41'14" | ♍ | -04°26'49" | 05°44'03"  | 00°02'16"  | 17.150 |
| 29/04/2011 00:00:00 | ♁ | 04°05'56" | ♉ | 06°18'13"  | 05°05'42"  | 00°06'43"  | 0.003  |
| 29/04/2011 00:00:00 | ♄ | 24°33'31" | ♌ | -23°19'33" | 00°00'00"  | -00°07'07" | 0.003  |
| 29/04/2011 00:00:00 | ♁ | 29°25'33" | ♉ | 04°27'21"  | 05°06'22"  | 01°02'16"  | 0.003  |
| 29/04/2011 00:00:00 | X | 21°59'17" | ♊ | -03°47'15" | -13°17'42" | 00°00'38"  | 97.543 |
| 29/04/2011 00:00:00 | Y | 22°07'02" | ♋ | 06°53'10"  | -11°47'12" | 00°00'45"  | 88.159 |
| 30/04/2011 00:00:00 | ♁ | 09°19'22" | ♉ | 14°35'56"  | 00°00'00"  | 00°58'18"  | 1.007  |
| 30/04/2011 00:00:00 | ♃ | 03°10'59" | ♊ | 05°54'46"  | 05°03'57"  | 11°51'30"  | 0.003  |
| 30/04/2011 00:00:00 | ♆ | 14°37'18" | ♋ | 03°35'57"  | -02°20'43" | 00°30'37"  | 0.716  |
| 30/04/2011 00:00:00 | ♀ | 10°41'16" | ♋ | 02°42'49"  | -01°38'53" | 01°12'41"  | 1.428  |
| 30/04/2011 00:00:00 | ♂ | 21°26'31" | ♊ | 07°40'58"  | -00°43'50" | 00°45'43"  | 2.324  |
| 30/04/2011 00:00:00 | ♁ | 22°03'54" | ♉ | 07°35'19"  | -01°04'56" | 00°14'09"  | 5.902  |
| 30/04/2011 00:00:00 | ♃ | 11°58'34" | ♈ | -02°14'14" | 02°42'41"  | -00°03'51" | 8.716  |
| 30/04/2011 00:00:00 | ♅ | 02°40'50" | ♊ | 00°24'49"  | -00°42'38" | 00°02'54"  | 20.885 |

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|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 30/04/2011 00:00:00 | ♁  | 00°36'37" ♈ | -11°43'54" | -00°30'30" | 00°01'05"  | 30.361 |
| 30/04/2011 00:00:00 | ♁  | 07°23'57" ♈ | -18°42'54" | 04°31'22"  | -00°00'37" | 31.477 |
| 30/04/2011 00:00:00 | ♁  | 24°25'48" ♈ | -23°19'13" | 00°00'00"  | -00°08'11" | 0.003  |
| 30/04/2011 00:00:00 | ♁  | 04°43'29" ♈ | -04°25'46" | 05°44'19"  | 00°02'13"  | 17.136 |
| 30/04/2011 00:00:00 | ♁  | 04°12'39" ♈ | 06°20'47"  | 05°05'34"  | 00°06'43"  | 0.003  |
| 30/04/2011 00:00:00 | T♁ | 24°25'48" ♈ | -23°19'13" | 00°00'00"  | -00°08'11" | 0.003  |
| 30/04/2011 00:00:00 | T♁ | 00°29'51" ♈ | 04°52'23"  | 05°05'48"  | 01°06'15"  | 0.003  |
| 30/04/2011 00:00:00 | X  | 21°59'55" ♈ | -03°47'02" | -13°17'42" | 00°00'37"  | 97.538 |
| 30/04/2011 00:00:00 | Y  | 22°07'48" ♈ | 06°53'23"  | -11°47'10" | 00°00'45"  | 88.162 |
| 01/05/2011 00:00:00 | ♁  | 10°17'40" ♈ | 14°54'21"  | 00°00'00"  | 00°58'17"  | 1.007  |
| 01/05/2011 00:00:00 | ♁  | 15°03'50" ♈ | 10°21'15"  | 04°47'48"  | 11°54'32"  | 0.003  |
| 01/05/2011 00:00:00 | ♁  | 15°09'58" ♈ | 03°41'00"  | -02°28'52" | 00°34'42"  | 0.730  |
| 01/05/2011 00:00:00 | ♁  | 11°53'58" ♈ | 03°10'47"  | -01°39'20" | 01°12'42"  | 1.433  |
| 01/05/2011 00:00:00 | ♁  | 22°12'13" ♈ | 07°58'28"  | -00°43'20" | 00°45'41"  | 2.323  |
| 01/05/2011 00:00:00 | ♁  | 22°18'03" ♈ | 07°40'32"  | -01°04'58" | 00°14'07"  | 5.897  |
| 01/05/2011 00:00:00 | ♁  | 11°54'44" ♈ | -02°12'51" | 02°42'34"  | -00°03'48" | 8.724  |
| 01/05/2011 00:00:00 | ♁  | 02°43'43" ♈ | 00°25'57"  | -00°42'39" | 00°02'52"  | 20.875 |
| 01/05/2011 00:00:00 | ♁  | 00°37'42" ♈ | -11°43'33" | -00°30'32" | 00°01'03"  | 30.345 |
| 01/05/2011 00:00:00 | ♁  | 07°23'19" ♈ | -18°42'54" | 04°31'23"  | -00°00'38" | 31.463 |

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|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 01/05/2011 00:00:00 | ♁ | 24°17'24" ⚹ | -23°18'52" | 00°00'00"  | -00°08'28" | 0.003  |
| 01/05/2011 00:00:00 | ♋ | 04°45'41" ⚹ | -04°24'44" | 05°44'35"  | 00°02'10"  | 17.122 |
| 01/05/2011 00:00:00 | ♌ | 04°19'22" ⚹ | 06°23'20"  | 05°05'27"  | 00°06'43"  | 0.003  |
| 01/05/2011 00:00:00 | ♁ | 24°17'24" ⚹ | -23°18'52" | 00°00'00"  | -00°08'28" | 0.003  |
| 01/05/2011 00:00:00 | ♌ | 01°39'41" ⚹ | 05°19'35"  | 05°05'11"  | 01°15'04"  | 0.003  |
| 01/05/2011 00:00:00 | X | 22°00'32" ⚹ | -03°46'49" | -13°17'43" | 00°00'37"  | 97.533 |
| 01/05/2011 00:00:00 | Y | 22°08'33" ⚹ | 06°53'35"  | -11°47'08" | 00°00'45"  | 88.165 |
| 02/05/2011 00:00:00 | ♁ | 11°15'56" ⚹ | 15°12'32"  | 00°00'00"  | 00°58'15"  | 1.008  |
| 02/05/2011 00:00:00 | ♂ | 27°00'44" ⚹ | 14°25'48"  | 04°18'59"  | 11°59'32"  | 0.003  |
| 02/05/2011 00:00:00 | ♌ | 15°46'39" ⚹ | 03°48'16"  | -02°36'14" | 00°38'36"  | 0.744  |
| 02/05/2011 00:00:00 | ♍ | 13°06'41" ⚹ | 03°38'43"  | -01°39'43" | 01°12'42"  | 1.439  |
| 02/05/2011 00:00:00 | ♎ | 22°57'53" ⚹ | 08°15'53"  | -00°42'49" | 00°45'38"  | 2.322  |
| 02/05/2011 00:00:00 | ♏ | 22°32'10" ⚹ | 07°45'45"  | -01°05'00" | 00°14'05"  | 5.893  |
| 02/05/2011 00:00:00 | ♐ | 11°50'58" ⚹ | -02°11'31" | 02°42'26"  | -00°03'44" | 8.732  |
| 02/05/2011 00:00:00 | ♑ | 02°46'35" ⚹ | 00°27'04"  | -00°42'40" | 00°02'51"  | 20.865 |
| 02/05/2011 00:00:00 | ♒ | 00°38'44" ⚹ | -11°43'12" | -00°30'33" | 00°01'01"  | 30.329 |
| 02/05/2011 00:00:00 | ♓ | 07°22'39" ⚹ | -18°42'55" | 04°31'24"  | -00°00'40" | 31.449 |
| 02/05/2011 00:00:00 | ♁ | 24°09'08" ⚹ | -23°18'30" | 00°00'00"  | -00°07'56" | 0.003  |
| 02/05/2011 00:00:00 | ♋ | 04°47'50" ⚹ | -04°23'43" | 05°44'50"  | 00°02'07"  | 17.108 |

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|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 02/05/2011 00:00:00 | ☾ | 04°26'05" ♀ | 06°25'53"  | 05°05'19"  | 00°06'43"  | 0.003  |
| 02/05/2011 00:00:00 | ♄ | 24°09'08" ♂ | -23°18'30" | 00°00'00"  | -00°07'56" | 0.003  |
| 02/05/2011 00:00:00 | ♃ | 03°04'56" ♀ | 05°52'45"  | 05°04'22"  | 01°38'29"  | 0.003  |
| 02/05/2011 00:00:00 | X | 22°01'10" ♀ | -03°46'36" | -13°17'43" | 00°00'37"  | 97.528 |
| 02/05/2011 00:00:00 | Y | 22°09'18" ♂ | 06°53'48"  | -11°47'06" | 00°00'45"  | 88.168 |
| 03/05/2011 00:00:00 | ☉ | 12°14'11" ♂ | 15°30'27"  | 00°00'00"  | 00°58'13"  | 1.008  |
| 03/05/2011 00:00:00 | ☾ | 09°03'25" ♂ | 17°57'39"  | 03°38'25"  | 12°06'04"  | 0.003  |
| 03/05/2011 00:00:00 | ♁ | 16°27'09" ♀ | 03°57'41"  | -02°42'48" | 00°42'21"  | 0.758  |
| 03/05/2011 00:00:00 | ♂ | 14°19'24" ♀ | 04°06'35"  | -01°40'01" | 01°12'43"  | 1.444  |
| 03/05/2011 00:00:00 | ♂ | 23°43'30" ♀ | 08°33'12"  | -00°42'18" | 00°45'35"  | 2.321  |
| 03/05/2011 00:00:00 | ♃ | 22°46'15" ♀ | 07°50'55"  | -01°05'03" | 00°14'04"  | 5.888  |
| 03/05/2011 00:00:00 | ♃ | 11°47'16" ♀ | -02°10'11" | 02°42'18"  | -00°03'40" | 8.740  |
| 03/05/2011 00:00:00 | ♃ | 02°49'26" ♀ | 00°28'11"  | -00°42'41" | 00°02'49"  | 20.854 |
| 03/05/2011 00:00:00 | ♃ | 00°39'45" ♀ | -11°42'52" | -00°30'35" | 00°01'00"  | 30.313 |
| 03/05/2011 00:00:00 | ♃ | 07°21'58" ♂ | -18°42'56" | 04°31'26"  | -00°00'41" | 31.436 |
| 03/05/2011 00:00:00 | ♄ | 24°01'46" ♂ | -23°18'10" | 00°00'00"  | -00°06'40" | 0.003  |
| 03/05/2011 00:00:00 | ♃ | 04°49'56" ♀ | -04°22'43" | 05°45'06"  | 00°02'04"  | 17.094 |
| 03/05/2011 00:00:00 | ☾ | 04°32'49" ♀ | 06°28'26"  | 05°05'11"  | 00°06'43"  | 0.003  |
| 03/05/2011 00:00:00 | ♄ | 24°01'46" ♂ | -23°18'10" | 00°00'00"  | -00°06'40" | 0.003  |



Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 03/05/2011 00:00:00 | T♄ | 05°03'13" ♀ | 06°38'28"  | 05°02'57"  | 02°21'12"  | 0.003  |
| 03/05/2011 00:00:00 | X  | 22°01'47" ♀ | -03°46'23" | -13°17'44" | 00°00'37"  | 97.522 |
| 03/05/2011 00:00:00 | Y  | 22°10'04" ♂ | 06°54'00"  | -11°47'05" | 00°00'45"  | 88.170 |
| 04/05/2011 00:00:00 | ☉  | 13°12'24" ♂ | 15°48'07"  | 00°00'00"  | 00°58'12"  | 1.008  |
| 04/05/2011 00:00:00 | ☾  | 21°13'18" ♂ | 20°45'19"  | 02°47'26"  | 12°13'54"  | 0.003  |
| 04/05/2011 00:00:00 | ♀  | 17°11'19" ♀ | 04°09'10"  | -02°48'36" | 00°45'57"  | 0.773  |
| 04/05/2011 00:00:00 | ♀  | 15°32'08" ♀ | 04°34'23"  | -01°40'15" | 01°12'44"  | 1.449  |
| 04/05/2011 00:00:00 | ♂  | 24°29'04" ♀ | 08°50'25"  | -00°41'47" | 00°45'32"  | 2.320  |
| 04/05/2011 00:00:00 | ♃  | 23°00'18" ♀ | 07°56'05"  | -01°05'05" | 00°14'02"  | 5.883  |
| 04/05/2011 00:00:00 | ♅  | 11°43'37" ♀ | -02°08'54" | 02°42'09"  | -00°03'36" | 8.749  |
| 04/05/2011 00:00:00 | ♁  | 02°52'14" ♀ | 00°29'17"  | -00°42'42" | 00°02'47"  | 20.843 |
| 04/05/2011 00:00:00 | ♆  | 00°40'45" ♀ | -11°42'32" | -00°30'37" | 00°00'58"  | 30.297 |
| 04/05/2011 00:00:00 | ♁  | 07°21'16" ♂ | -18°42'57" | 04°31'27"  | -00°00'43" | 31.422 |
| 04/05/2011 00:00:00 | ♁  | 23°55'57" ♂ | -23°17'54" | 00°00'00"  | -00°04'53" | 0.003  |
| 04/05/2011 00:00:00 | ♁  | 04°51'59" ♀ | -04°21'43" | 05°45'22"  | 00°02'01"  | 17.080 |
| 04/05/2011 00:00:00 | ♁  | 04°39'32" ♀ | 06°30'59"  | 05°05'03"  | 00°06'43"  | 0.003  |
| 04/05/2011 00:00:00 | T♁ | 23°55'57" ♂ | -23°17'54" | 00°00'00"  | -00°04'53" | 0.003  |
| 04/05/2011 00:00:00 | T♄ | 07°52'04" ♀ | 07°42'57"  | 05°00'12"  | 03°17'44"  | 0.003  |
| 04/05/2011 00:00:00 | X  | 22°02'25" ♀ | -03°46'11" | -13°17'45" | 00°00'37"  | 97.516 |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 04/05/2011 00:00:00 | Y  | 22°10'50" ♂ | 06°54'13"  | -11°47'03" | 00°00'45"  | 88.173 |
| 05/05/2011 00:00:00 | ☉  | 14°10'35" ♂ | 16°05'31"  | -00°00'00" | 00°58'10"  | 1.008  |
| 05/05/2011 00:00:00 | ☾  | 03°31'38" ♀ | 22°37'27"  | 01°47'59"  | 12°23'00"  | 0.003  |
| 05/05/2011 00:00:00 | ♋  | 17°59'02" ♀ | 04°22'38"  | -02°53'38" | 00°49'25"  | 0.788  |
| 05/05/2011 00:00:00 | ♌  | 16°44'52" ♀ | 05°02'08"  | -01°40'24" | 01°12'44"  | 1.454  |
| 05/05/2011 00:00:00 | ♍  | 25°14'36" ♀ | 09°07'32"  | -00°41'15" | 00°45'30"  | 2.319  |
| 05/05/2011 00:00:00 | ♎  | 23°14'19" ♀ | 08°01'13"  | -01°05'07" | 00°14'00"  | 5.878  |
| 05/05/2011 00:00:00 | ♏  | 11°40'03" ♀ | -02°07'39" | 02°42'01"  | -00°03'32" | 8.757  |
| 05/05/2011 00:00:00 | ♐  | 02°55'01" ♀ | 00°30'22"  | -00°42'43" | 00°02'46"  | 20.833 |
| 05/05/2011 00:00:00 | ♑  | 00°41'42" ♀ | -11°42'13" | -00°30'38" | 00°00'56"  | 30.281 |
| 05/05/2011 00:00:00 | ♒  | 07°20'31" ♀ | -18°42'58" | 04°31'28"  | -00°00'45" | 31.409 |
| 05/05/2011 00:00:00 | ♓  | 23°52'03" ♀ | -23°17'44" | 00°00'00"  | -00°02'53" | 0.003  |
| 05/05/2011 00:00:00 | ♈  | 04°53'59" ♀ | -04°20'45" | 05°45'39"  | 00°01'58"  | 17.065 |
| 05/05/2011 00:00:00 | ♉  | 04°46'15" ♀ | 06°33'32"  | 05°04'55"  | 00°06'43"  | 0.003  |
| 05/05/2011 00:00:00 | T♏ | 23°52'03" ♀ | -23°17'44" | 00°00'00"  | -00°02'53" | 0.003  |
| 05/05/2011 00:00:00 | T♎ | 11°38'21" ♀ | 09°07'43"  | 04°55'14"  | 04°13'07"  | 0.003  |
| 05/05/2011 00:00:00 | X  | 22°03'02" ♀ | -03°45'58" | -13°17'46" | 00°00'37"  | 97.510 |
| 05/05/2011 00:00:00 | Y  | 22°11'36" ♂ | 06°54'25"  | -11°47'02" | 00°00'46"  | 88.174 |
| 06/05/2011 00:00:00 | ☉  | 15°08'45" ♂ | 16°22'39"  | -00°00'00" | 00°58'08"  | 1.009  |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 06/05/2011 00:00:00 | ♃ | 15°59'47" ♀ | 23°24'20"  | 00°42'28"  | 12°33'33"  | 0.003  |
| 06/05/2011 00:00:00 | ♆ | 18°50'07" ♀ | 04°37'59"  | -02°57'55" | 00°52'43"  | 0.803  |
| 06/05/2011 00:00:00 | ♁ | 17°57'37" ♀ | 05°29'47"  | -01°40'29" | 01°12'45"  | 1.459  |
| 06/05/2011 00:00:00 | ♂ | 26°00'04" ♀ | 09°24'33"  | -00°40'44" | 00°45'27"  | 2.318  |
| 06/05/2011 00:00:00 | ♃ | 23°28'18" ♀ | 08°06'20"  | -01°05'10" | 00°13'57"  | 5.872  |
| 06/05/2011 00:00:00 | ♄ | 11°36'33" ♀ | -02°06'25" | 02°41'52"  | -00°03'28" | 8.766  |
| 06/05/2011 00:00:00 | ♁ | 02°57'47" ♀ | 00°31'27"  | -00°42'45" | 00°02'44"  | 20.821 |
| 06/05/2011 00:00:00 | ♃ | 00°42'38" ♀ | -11°41'55" | -00°30'40" | 00°00'54"  | 30.265 |
| 06/05/2011 00:00:00 | ♁ | 07°19'45" ♀ | -18°43'00" | 04°31'29"  | -00°00'46" | 31.396 |
| 06/05/2011 00:00:00 | ♁ | 23°50'08" ♀ | -23°17'38" | 00°00'00"  | -00°00'59" | 0.003  |
| 06/05/2011 00:00:00 | ♁ | 04°55'56" ♀ | -04°19'48" | 05°45'55"  | 00°01'55"  | 17.051 |
| 06/05/2011 00:00:00 | ♁ | 04°52'59" ♀ | 06°36'04"  | 05°04'46"  | 00°06'43"  | 0.003  |
| 06/05/2011 00:00:00 | ♁ | 23°50'08" ♀ | -23°17'38" | 00°00'00"  | -00°00'59" | 0.003  |
| 06/05/2011 00:00:00 | ♁ | 16°11'54" ♀ | 10°47'18"  | 04°47'23"  | 04°49'29"  | 0.003  |
| 06/05/2011 00:00:00 | X | 22°03'39" ♀ | -03°45'46" | -13°17'47" | 00°00'36"  | 97.504 |
| 06/05/2011 00:00:00 | Y | 22°12'22" ♀ | 06°54'37"  | -11°47'01" | 00°00'46"  | 88.176 |
| 07/05/2011 00:00:00 | ♁ | 16°06'52" ♀ | 16°39'30"  | -00°00'00" | 00°58'06"  | 1.009  |
| 07/05/2011 00:00:00 | ♃ | 28°39'20" ♀ | 22°59'36"  | -00°26'14" | 12°45'50"  | 0.003  |
| 07/05/2011 00:00:00 | ♆ | 19°44'27" ♀ | 04°55'09"  | -03°01'27" | 00°55'55"  | 0.818  |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 07/05/2011 00:00:00 | ♀  | 19°10'22" ♀ | 05°57'20"  | -01°40'29" | 01°12'45"  | 1.464  |
| 07/05/2011 00:00:00 | ♂  | 26°45'30" ♀ | 09°41'28"  | -00°40'12" | 00°45'24"  | 2.317  |
| 07/05/2011 00:00:00 | ♃  | 23°42'14" ♀ | 08°11'25"  | -01°05'13" | 00°13'55"  | 5.867  |
| 07/05/2011 00:00:00 | ♅  | 11°33'07" ♀ | -02°05'13" | 02°41'43"  | -00°03'23" | 8.776  |
| 07/05/2011 00:00:00 | ♁  | 03°00'30" ♀ | 00°32'31"  | -00°42'46" | 00°02'42"  | 20.810 |
| 07/05/2011 00:00:00 | ♆  | 00°43'32" ♀ | -11°41'37" | -00°30'41" | 00°00'52"  | 30.249 |
| 07/05/2011 00:00:00 | ♁  | 07°18'58" ♀ | -18°43'01" | 04°31'30"  | -00°00'48" | 31.383 |
| 07/05/2011 00:00:00 | ♄  | 23°49'56" ♀ | -23°17'38" | 00°00'00"  | 00°00'30"  | 0.003  |
| 07/05/2011 00:00:00 | ♅  | 04°57'50" ♀ | -04°18'51" | 05°46'11"  | 00°01'52"  | 17.036 |
| 07/05/2011 00:00:00 | ♁  | 04°59'42" ♀ | 06°38'37"  | 05°04'38"  | 00°06'43"  | 0.003  |
| 07/05/2011 00:00:00 | T♄ | 23°49'56" ♀ | -23°17'38" | 00°00'00"  | 00°00'30"  | 0.003  |
| 07/05/2011 00:00:00 | T♁ | 21°06'32" ♀ | 12°30'28"  | 04°36'47"  | 04°53'44"  | 0.003  |
| 07/05/2011 00:00:00 | X  | 22°04'15" ♀ | -03°45'34" | -13°17'48" | 00°00'36"  | 97.497 |
| 07/05/2011 00:00:00 | Y  | 22°13'08" ♀ | 06°54'49"  | -11°47'00" | 00°00'46"  | 88.177 |
| 08/05/2011 00:00:00 | ♁  | 17°04'58" ♀ | 16°56'05"  | -00°00'00" | 00°58'04"  | 1.009  |
| 08/05/2011 00:00:00 | ♃  | 11°32'09" ♀ | 21°21'37"  | -01°34'56" | 13°00'08"  | 0.003  |
| 08/05/2011 00:00:00 | ♆  | 20°41'55" ♀ | 05°14'02"  | -03°04'16" | 00°58'59"  | 0.834  |
| 08/05/2011 00:00:00 | ♀  | 20°23'08" ♀ | 06°24'47"  | -01°40'24" | 01°12'45"  | 1.470  |
| 08/05/2011 00:00:00 | ♂  | 27°30'52" ♀ | 09°58'16"  | -00°39'39" | 00°45'21"  | 2.315  |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 08/05/2011 00:00:00 | ♃ | 23°56'09" ♀ | 08°16'29"  | -01°05'16" | 00°13'53"  | 5.861  |
| 08/05/2011 00:00:00 | ♅ | 11°29'45" ♀ | -02°04'03" | 02°41'33"  | -00°03'19" | 8.785  |
| 08/05/2011 00:00:00 | ♁ | 03°03'12" ♀ | 00°33'34"  | -00°42'47" | 00°02'40"  | 20.799 |
| 08/05/2011 00:00:00 | ♆ | 00°44'24" ♂ | -11°41'20" | -00°30'43" | 00°00'51"  | 30.232 |
| 08/05/2011 00:00:00 | ♁ | 07°18'09" ♂ | -18°43'03" | 04°31'30"  | -00°00'49" | 31.371 |
| 08/05/2011 00:00:00 | ♁ | 23°50'57" ♂ | -23°17'40" | 00°00'00"  | 00°01'23"  | 0.002  |
| 08/05/2011 00:00:00 | ♆ | 04°59'40" ♂ | -04°17'56" | 05°46'28"  | 00°01'48"  | 17.022 |
| 08/05/2011 00:00:00 | ♁ | 05°06'26" ♀ | 06°41'09"  | 05°04'29"  | 00°06'43"  | 0.003  |
| 08/05/2011 00:00:00 | ♁ | 23°50'57" ♂ | -23°17'40" | 00°00'00"  | 00°01'23"  | 0.002  |
| 08/05/2011 00:00:00 | ♁ | 25°47'01" ♀ | 14°04'07"  | 04°24'44"  | 04°21'07"  | 0.003  |
| 08/05/2011 00:00:00 | X | 22°04'52" ♀ | -03°45'22" | -13°17'50" | 00°00'36"  | 97.491 |
| 08/05/2011 00:00:00 | Y | 22°13'54" ♂ | 06°55'01"  | -11°46'59" | 00°00'46"  | 88.178 |
| 09/05/2011 00:00:00 | ♁ | 18°03'02" ♂ | 17°12'23"  | -00°00'00" | 00°58'02"  | 1.009  |
| 09/05/2011 00:00:00 | ♁ | 24°40'19" ♀ | 18°33'45"  | -02°40'04" | 13°16'33"  | 0.003  |
| 09/05/2011 00:00:00 | ♁ | 21°42'23" ♀ | 05°34'35"  | -03°06'22" | 01°01'56"  | 0.850  |
| 09/05/2011 00:00:00 | ♁ | 21°35'54" ♀ | 06°52'07"  | -01°40'16" | 01°12'46"  | 1.475  |
| 09/05/2011 00:00:00 | ♁ | 28°16'12" ♀ | 10°14'57"  | -00°39'07" | 00°45'18"  | 2.314  |
| 09/05/2011 00:00:00 | ♃ | 24°10'01" ♀ | 08°21'32"  | -01°05'19" | 00°13'50"  | 5.855  |
| 09/05/2011 00:00:00 | ♅ | 11°26'28" ♀ | -02°02'55" | 02°41'24"  | -00°03'14" | 8.795  |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 09/05/2011 00:00:00 | ♃ | 03°05'52" ♀ | 00°34'36"  | -00°42'48" | 00°02'38"  | 20.787 |
| 09/05/2011 00:00:00 | ♃ | 00°45'14" ♀ | -11°41'04" | -00°30'45" | 00°00'49"  | 30.216 |
| 09/05/2011 00:00:00 | ♃ | 07°17'18" ♀ | -18°43'05" | 04°31'31"  | -00°00'51" | 31.358 |
| 09/05/2011 00:00:00 | ♃ | 23°52'28" ♀ | -23°17'45" | 00°00'00"  | 00°01'31"  | 0.002  |
| 09/05/2011 00:00:00 | ♃ | 05°01'28" ♀ | -04°17'02" | 05°46'45"  | 00°01'45"  | 17.007 |
| 09/05/2011 00:00:00 | ♃ | 05°13'09" ♀ | 06°43'41"  | 05°04'20"  | 00°06'43"  | 0.003  |
| 09/05/2011 00:00:00 | ♃ | 23°52'28" ♀ | -23°17'45" | 00°00'00"  | 00°01'31"  | 0.002  |
| 09/05/2011 00:00:00 | ♃ | 29°37'31" ♀ | 15°17'16"  | 04°13'27"  | 03°14'58"  | 0.003  |
| 09/05/2011 00:00:00 | X | 22°05'28" ♀ | -03°45'11" | -13°17'51" | 00°00'36"  | 97.483 |
| 09/05/2011 00:00:00 | Y | 22°14'41" ♀ | 06°55'13"  | -11°46'58" | 00°00'46"  | 88.179 |
| 10/05/2011 00:00:00 | ♃ | 19°01'04" ♀ | 17°28'24"  | -00°00'00" | 00°58'01"  | 1.010  |
| 10/05/2011 00:00:00 | ♃ | 08°05'54" ♀ | 14°43'44"  | -03°37'57" | 13°34'54"  | 0.003  |
| 10/05/2011 00:00:00 | ♃ | 22°45'46" ♀ | 05°56'42"  | -03°07'47" | 01°04'47"  | 0.866  |
| 10/05/2011 00:00:00 | ♃ | 22°48'41" ♀ | 07°19'18"  | -01°40'02" | 01°12'46"  | 1.480  |
| 10/05/2011 00:00:00 | ♃ | 29°01'29" ♀ | 10°31'32"  | -00°38'34" | 00°45'14"  | 2.313  |
| 10/05/2011 00:00:00 | ♃ | 24°23'50" ♀ | 08°26'33"  | -01°05'22" | 00°13'48"  | 5.849  |
| 10/05/2011 00:00:00 | ♃ | 11°23'15" ♀ | -02°01'49" | 02°41'14"  | -00°03'10" | 8.805  |
| 10/05/2011 00:00:00 | ♃ | 03°08'30" ♀ | 00°35'38"  | -00°42'50" | 00°02'37"  | 20.775 |
| 10/05/2011 00:00:00 | ♃ | 00°46'02" ♀ | -11°40'49" | -00°30'46" | 00°00'47"  | 30.199 |

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|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 10/05/2011 00:00:00 | ♁ | 07°16'26" ♄ | -18°43'07" | 04°31'32"  | -00°00'52" | 31.346 |
| 10/05/2011 00:00:00 | ♁ | 23°53'45" ♄ | -23°17'48" | 00°00'00"  | 00°00'56"  | 0.002  |
| 10/05/2011 00:00:00 | ♁ | 05°03'12" ♄ | -04°16'09" | 05°47'02"  | 00°01'42"  | 16.992 |
| 10/05/2011 00:00:00 | ♁ | 05°19'52" ♄ | 06°46'13"  | 05°04'11"  | 00°06'43"  | 0.003  |
| 10/05/2011 00:00:00 | ♁ | 23°53'45" ♄ | -23°17'48" | 00°00'00"  | 00°00'56"  | 0.002  |
| 10/05/2011 00:00:00 | ♁ | 02°09'13" ♄ | 16°03'21"  | 04°05'23"  | 01°45'51"  | 0.003  |
| 10/05/2011 00:00:00 | X | 22°06'04" ♄ | -03°44'59" | -13°17'53" | 00°00'35"  | 97.476 |
| 10/05/2011 00:00:00 | Y | 22°15'27" ♄ | 06°55'25"  | -11°46'57" | 00°00'46"  | 88.179 |
| 11/05/2011 00:00:00 | ♁ | 19°59'04" ♄ | 17°44'07"  | -00°00'00" | 00°57'59"  | 1.010  |
| 11/05/2011 00:00:00 | ♁ | 21°50'32" ♄ | 10°02'39"  | -04°24'48" | 13°54'28"  | 0.002  |
| 11/05/2011 00:00:00 | ♁ | 23°51'57" ♄ | 06°20'18"  | -03°08'30" | 01°07'33"  | 0.882  |
| 11/05/2011 00:00:00 | ♁ | 24°01'27" ♄ | 07°46'22"  | -01°39'45" | 01°12'46"  | 1.485  |
| 11/05/2011 00:00:00 | ♁ | 29°46'42" ♄ | 10°48'00"  | -00°38'01" | 00°45'11"  | 2.312  |
| 11/05/2011 00:00:00 | ♁ | 24°37'37" ♄ | 08°31'33"  | -01°05'25" | 00°13'45"  | 5.843  |
| 11/05/2011 00:00:00 | ♁ | 11°20'07" ♄ | -02°00'45" | 02°41'04"  | -00°03'05" | 8.815  |
| 11/05/2011 00:00:00 | ♁ | 03°11'06" ♄ | 00°36'38"  | -00°42'51" | 00°02'35"  | 20.763 |
| 11/05/2011 00:00:00 | ♁ | 00°46'48" ♄ | -11°40'34" | -00°30'48" | 00°00'45"  | 30.183 |
| 11/05/2011 00:00:00 | ♁ | 07°15'33" ♄ | -18°43'10" | 04°31'32"  | -00°00'54" | 31.334 |
| 11/05/2011 00:00:00 | ♁ | 23°54'10" ♄ | -23°17'49" | 00°00'00"  | -00°00'11" | 0.002  |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 11/05/2011 00:00:00 | ♁ | 05°04'53" ♈ | -04°15'17" | 05°47'19"  | 00°01'39"  | 16.977 |
| 11/05/2011 00:00:00 | ♁ | 05°26'36" ♈ | 06°48'45"  | 05°04'02"  | 00°06'43"  | 0.003  |
| 11/05/2011 00:00:00 | ♁ | 23°54'10" ♈ | -23°17'49" | 00°00'00"  | -00°00'11" | 0.002  |
| 11/05/2011 00:00:00 | ♁ | 03°07'27" ♈ | 16°20'34"  | 04°02'08"  | 00°11'36"  | 0.003  |
| 11/05/2011 00:00:00 | X | 22°06'39" ♈ | -03°44'48" | -13°17'55" | 00°00'35"  | 97.468 |
| 11/05/2011 00:00:00 | Y | 22°16'14" ♈ | 06°55'37"  | -11°46'57" | 00°00'46"  | 88.180 |
| 12/05/2011 00:00:00 | ♁ | 20°57'02" ♈ | 17°59'32"  | -00°00'00" | 00°57'57"  | 1.010  |
| 12/05/2011 00:00:00 | ♁ | 05°54'51" ♈ | 04°44'05"  | -04°57'01" | 14°13'59"  | 0.002  |
| 12/05/2011 00:00:00 | ♀ | 25°00'52" ♈ | 06°45'20"  | -03°08'33" | 01°10'14"  | 0.898  |
| 12/05/2011 00:00:00 | ♀ | 25°14'14" ♈ | 08°13'16"  | -01°39'23" | 01°12'47"  | 1.489  |
| 12/05/2011 00:00:00 | ♂ | 00°31'52" ♈ | 11°04'20"  | -00°37'27" | 00°45'08"  | 2.311  |
| 12/05/2011 00:00:00 | ♁ | 24°51'21" ♈ | 08°36'31"  | -01°05'29" | 00°13'42"  | 5.836  |
| 12/05/2011 00:00:00 | ♁ | 11°17'04" ♈ | -01°59'43" | 02°40'53"  | -00°03'01" | 8.826  |
| 12/05/2011 00:00:00 | ♁ | 03°13'40" ♈ | 00°37'38"  | -00°42'52" | 00°02'33"  | 20.751 |
| 12/05/2011 00:00:00 | ♁ | 00°47'33" ♈ | -11°40'20" | -00°30'50" | 00°00'43"  | 30.166 |
| 12/05/2011 00:00:00 | ♁ | 07°14'38" ♈ | -18°43'12" | 04°31'32"  | -00°00'55" | 31.322 |
| 12/05/2011 00:00:00 | ♁ | 23°53'17" ♈ | -23°17'47" | 00°00'00"  | -00°01'35" | 0.002  |
| 12/05/2011 00:00:00 | ♁ | 05°06'30" ♈ | -04°14'25" | 05°47'36"  | 00°01'35"  | 16.962 |
| 12/05/2011 00:00:00 | ♁ | 05°33'19" ♈ | 06°51'17"  | 05°03'53"  | 00°06'43"  | 0.003  |



Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 12/05/2011 00:00:00 | T♄ | 23°53'17" ♏ | -23°17'47" | 00°00'00"  | -00°01'35" | 0.002  |
| 12/05/2011 00:00:00 | T♄ | 02°38'23" ♏ | 16°11'58"  | 04°03'43"  | -01°04'54" | 0.003  |
| 12/05/2011 00:00:00 | X  | 22°07'15" ♏ | -03°44'37" | -13°17'56" | 00°00'35"  | 97.461 |
| 12/05/2011 00:00:00 | Y  | 22°17'00" ♏ | 06°55'48"  | -11°46'56" | 00°00'46"  | 88.180 |
| 13/05/2011 00:00:00 | ☉  | 21°54'58" ♏ | 18°14'39"  | -00°00'00" | 00°57'55"  | 1.010  |
| 13/05/2011 00:00:00 | ☾  | 20°17'52" ♏ | -00°55'57" | -05°11'32" | 14°31'31"  | 0.002  |
| 13/05/2011 00:00:00 | ♀  | 26°12'25" ♏ | 07°11'42"  | -03°07'57" | 01°12'51"  | 0.915  |
| 13/05/2011 00:00:00 | ♁  | 26°27'02" ♏ | 08°40'00"  | -01°38'57" | 01°12'47"  | 1.494  |
| 13/05/2011 00:00:00 | ♂  | 01°17'00" ♏ | 11°20'34"  | -00°36'54" | 00°45'05"  | 2.310  |
| 13/05/2011 00:00:00 | ♃  | 25°05'03" ♏ | 08°41'27"  | -01°05'32" | 00°13'40"  | 5.830  |
| 13/05/2011 00:00:00 | ♅  | 11°14'05" ♏ | -01°58'44" | 02°40'43"  | -00°02'56" | 8.837  |
| 13/05/2011 00:00:00 | ♁  | 03°16'12" ♏ | 00°38'37"  | -00°42'54" | 00°02'31"  | 20.738 |
| 13/05/2011 00:00:00 | ♃  | 00°48'15" ♏ | -11°40'06" | -00°30'51" | 00°00'41"  | 30.149 |
| 13/05/2011 00:00:00 | ♁  | 07°13'41" ♏ | -18°43'15" | 04°31'33"  | -00°00'57" | 31.310 |
| 13/05/2011 00:00:00 | ♁  | 23°51'00" ♏ | -23°17'41" | 00°00'00"  | -00°02'55" | 0.002  |
| 13/05/2011 00:00:00 | ♁  | 05°08'05" ♏ | -04°13'35" | 05°47'53"  | 00°01'32"  | 16.947 |
| 13/05/2011 00:00:00 | ♁  | 05°40'02" ♏ | 06°53'48"  | 05°03'43"  | 00°06'43"  | 0.003  |
| 13/05/2011 00:00:00 | T♄ | 23°51'00" ♏ | -23°17'41" | 00°00'00"  | -00°02'55" | 0.002  |
| 13/05/2011 00:00:00 | T♄ | 01°09'45" ♏ | 15°45'23"  | 04°08'30"  | -01°45'44" | 0.003  |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 13/05/2011 00:00:00 | X  | 22°07'50" ♀ | -03°44'27" | -13°17'58" | 00°00'34"  | 97.453 |
| 13/05/2011 00:00:00 | Y  | 22°17'46" ♂ | 06°56'00"  | -11°46'56" | 00°00'46"  | 88.179 |
| 14/05/2011 00:00:00 | ☉  | 22°52'53" ♂ | 18°29'28"  | -00°00'00" | 00°57'53"  | 1.010  |
| 14/05/2011 00:00:00 | ☾  | 04°56'31" ♀ | -06°38'53" | -05°06'18" | 14°44'53"  | 0.002  |
| 14/05/2011 00:00:00 | ♁  | 27°26'33" ♀ | 07°39'22"  | -03°06'43" | 01°15'24"  | 0.931  |
| 14/05/2011 00:00:00 | ♂  | 27°39'50" ♀ | 09°06'34"  | -01°38'26" | 01°12'48"  | 1.499  |
| 14/05/2011 00:00:00 | ♂  | 02°02'04" ♂ | 11°36'40"  | -00°36'20" | 00°45'02"  | 2.308  |
| 14/05/2011 00:00:00 | ♃  | 25°18'42" ♀ | 08°46'22"  | -01°05'36" | 00°13'37"  | 5.823  |
| 14/05/2011 00:00:00 | ♄  | 11°11'11" ♀ | -01°57'46" | 02°40'32"  | -00°02'51" | 8.848  |
| 14/05/2011 00:00:00 | ♅  | 03°18'42" ♀ | 00°39'36"  | -00°42'55" | 00°02'29"  | 20.726 |
| 14/05/2011 00:00:00 | ♆  | 00°48'55" ♀ | -11°39'54" | -00°30'53" | 00°00'39"  | 30.132 |
| 14/05/2011 00:00:00 | ♇  | 07°12'44" ♀ | -18°43'18" | 04°31'33"  | -00°00'58" | 31.299 |
| 14/05/2011 00:00:00 | ♈  | 23°47'34" ♀ | -23°17'31" | 00°00'00"  | -00°03'52" | 0.002  |
| 14/05/2011 00:00:00 | ♉  | 05°09'35" ♀ | -04°12'46" | 05°48'11"  | 00°01'29"  | 16.932 |
| 14/05/2011 00:00:00 | ♊  | 05°46'45" ♀ | 06°56'19"  | 05°03'33"  | 00°06'43"  | 0.003  |
| 14/05/2011 00:00:00 | T♈ | 23°47'34" ♀ | -23°17'31" | 00°00'00"  | -00°03'52" | 0.002  |
| 14/05/2011 00:00:00 | T♉ | 29°19'06" ♀ | 15°11'27"  | 04°14'17"  | -01°50'36" | 0.003  |
| 14/05/2011 00:00:00 | X  | 22°08'24" ♀ | -03°44'16" | -13°18'01" | 00°00'34"  | 97.444 |
| 14/05/2011 00:00:00 | Y  | 22°18'32" ♂ | 06°56'11"  | -11°46'56" | 00°00'46"  | 88.179 |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 15/05/2011 00:00:00 | ☉ | 23°50'45" ♉ | 18°43'57"  | -00°00'00" | 00°57'51"  | 1.011  |
| 15/05/2011 00:00:00 | ☾ | 19°45'32" ♋ | -12°03'20" | -04°40'45" | 14°51'55"  | 0.002  |
| 15/05/2011 00:00:00 | ♀ | 28°43'12" ♉ | 08°08'14"  | -03°04'50" | 01°17'53"  | 0.948  |
| 15/05/2011 00:00:00 | ♀ | 28°52'38" ♉ | 09°32'56"  | -01°37'52" | 01°12'48"  | 1.504  |
| 15/05/2011 00:00:00 | ♂ | 02°47'04" ♉ | 11°52'38"  | -00°35'46" | 00°44'59"  | 2.307  |
| 15/05/2011 00:00:00 | ♃ | 25°32'18" ♉ | 08°51'15"  | -01°05'39" | 00°13'34"  | 5.816  |
| 15/05/2011 00:00:00 | ♄ | 11°08'22" ♋ | -01°56'50" | 02°40'21"  | -00°02'46" | 8.859  |
| 15/05/2011 00:00:00 | ♅ | 03°21'11" ♉ | 00°40'33"  | -00°42'57" | 00°02'27"  | 20.713 |
| 15/05/2011 00:00:00 | ♆ | 00°49'34" ♋ | -11°39'41" | -00°30'55" | 00°00'37"  | 30.116 |
| 15/05/2011 00:00:00 | ♇ | 07°11'44" ♋ | -18°43'21" | 04°31'33"  | -00°00'59" | 31.287 |
| 15/05/2011 00:00:00 | ♈ | 23°43'28" ♋ | -23°17'19" | 00°00'00"  | -00°04'12" | 0.002  |
| 15/05/2011 00:00:00 | ♉ | 05°11'03" ♋ | -04°11'59" | 05°48'28"  | 00°01'26"  | 16.917 |
| 15/05/2011 00:00:00 | ♊ | 05°53'28" ♉ | 06°58'50"  | 05°03'24"  | 00°06'43"  | 0.003  |
| 15/05/2011 00:00:00 | ♋ | 23°43'28" ♋ | -23°17'19" | 00°00'00"  | -00°04'12" | 0.002  |
| 15/05/2011 00:00:00 | ♌ | 27°34'30" ♉ | 14°38'37"  | 04°19'34"  | -01°37'26" | 0.003  |
| 15/05/2011 00:00:00 | X | 22°08'58" ♉ | -03°44'06" | -13°18'03" | 00°00'34"  | 97.436 |
| 15/05/2011 00:00:00 | Y | 22°19'19" ♉ | 06°56'22"  | -11°46'56" | 00°00'46"  | 88.178 |
| 16/05/2011 00:00:00 | ☉ | 24°48'36" ♉ | 18°58'08"  | -00°00'00" | 00°57'50"  | 1.011  |
| 16/05/2011 00:00:00 | ☾ | 04°37'45" ♋ | -16°46'04" | -03°56'15" | 14°51'09"  | 0.002  |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 16/05/2011 00:00:00 | ♀ | 00°02'19" ♂ | 08°38'14"  | -03°02'21" | 01°20'19"  | 0.965  |
| 16/05/2011 00:00:00 | ♀ | 00°05'27" ♂ | 09°59'07"  | -01°37'13" | 01°12'49"  | 1.509  |
| 16/05/2011 00:00:00 | ♂ | 03°32'02" ♂ | 12°08'29"  | -00°35'11" | 00°44'56"  | 2.306  |
| 16/05/2011 00:00:00 | ♃ | 25°45'51" ♀ | 08°56'06"  | -01°05'43" | 00°13'31"  | 5.809  |
| 16/05/2011 00:00:00 | ♃ | 11°05'38" ♀ | -01°55'56" | 02°40'10"  | -00°02'41" | 8.870  |
| 16/05/2011 00:00:00 | ♃ | 03°23'37" ♀ | 00°41'30"  | -00°42'58" | 00°02'25"  | 20.700 |
| 16/05/2011 00:00:00 | ♃ | 00°50'10" ♀ | -11°39'30" | -00°30'56" | 00°00'35"  | 30.099 |
| 16/05/2011 00:00:00 | ♃ | 07°10'44" ♀ | -18°43'24" | 04°31'33"  | -00°01'01" | 31.276 |
| 16/05/2011 00:00:00 | ♃ | 23°39'22" ♀ | -23°17'08" | 00°00'00"  | -00°03'52" | 0.002  |
| 16/05/2011 00:00:00 | ♃ | 05°12'28" ♀ | -04°11'12" | 05°48'46"  | 00°01'22"  | 16.902 |
| 16/05/2011 00:00:00 | ♃ | 06°00'12" ♀ | 07°01'21"  | 05°03'14"  | 00°06'43"  | 0.003  |
| 16/05/2011 00:00:00 | ♃ | 23°39'22" ♀ | -23°17'08" | 00°00'00"  | -00°03'52" | 0.002  |
| 16/05/2011 00:00:00 | ♃ | 26°02'49" ♀ | 14°09'21"  | 04°24'07"  | -01°28'02" | 0.003  |
| 16/05/2011 00:00:00 | X | 22°09'32" ♀ | -03°43'56" | -13°18'05" | 00°00'33"  | 97.427 |
| 16/05/2011 00:00:00 | Y | 22°20'05" ♂ | 06°56'33"  | -11°46'56" | 00°00'46"  | 88.176 |
| 17/05/2011 00:00:00 | ♃ | 25°46'26" ♂ | 19°11'59"  | -00°00'00" | 00°57'48"  | 1.011  |
| 17/05/2011 00:00:00 | ♃ | 19°25'06" ♀ | -20°24'21" | -02°56'06" | 14°42'15"  | 0.002  |
| 17/05/2011 00:00:00 | ♀ | 01°23'51" ♂ | 09°09'19"  | -02°59'15" | 01°22'43"  | 0.982  |
| 17/05/2011 00:00:00 | ♀ | 01°18'16" ♂ | 10°25'05"  | -01°36'30" | 01°12'49"  | 1.513  |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 17/05/2011 00:00:00 | ♂ | 04°16'57" ♂ | 12°24'12"  | -00°34'36" | 00°44'53"  | 2.305  |
| 17/05/2011 00:00:00 | ♃ | 25°59'22" ♀ | 09°00'56"  | -01°05'47" | 00°13'28"  | 5.801  |
| 17/05/2011 00:00:00 | ♅ | 11°03'00" ♃ | -01°55'05" | 02°39'58"  | -00°02'36" | 8.882  |
| 17/05/2011 00:00:00 | ♁ | 03°26'01" ♀ | 00°42'26"  | -00°43'00" | 00°02'23"  | 20.687 |
| 17/05/2011 00:00:00 | ♆ | 00°50'45" ♃ | -11°39'19" | -00°30'58" | 00°00'33"  | 30.082 |
| 17/05/2011 00:00:00 | ♁ | 07°09'42" ♃ | -18°43'27" | 04°31'33"  | -00°01'02" | 31.265 |
| 17/05/2011 00:00:00 | ♁ | 23°35'54" ♃ | -23°16'57" | 00°00'00"  | -00°02'58" | 0.002  |
| 17/05/2011 00:00:00 | ♆ | 05°13'49" ♃ | -04°10'26" | 05°49'03"  | 00°01'19"  | 16.886 |
| 17/05/2011 00:00:00 | ♁ | 06°06'55" ♀ | 07°03'52"  | 05°03'04"  | 00°06'43"  | 0.003  |
| 17/05/2011 00:00:00 | ♁ | 23°35'54" ♃ | -23°16'57" | 00°00'00"  | -00°02'58" | 0.002  |
| 17/05/2011 00:00:00 | ♁ | 24°32'26" ♀ | 13°40'05"  | 04°28'33"  | -01°36'06" | 0.003  |
| 17/05/2011 00:00:00 | X | 22°10'06" ♀ | -03°43'46" | -13°18'08" | 00°00'33"  | 97.418 |
| 17/05/2011 00:00:00 | Y | 22°20'52" ♂ | 06°56'44"  | -11°46'56" | 00°00'46"  | 88.175 |
| 18/05/2011 00:00:00 | ♁ | 26°44'14" ♂ | 19°25'31"  | -00°00'00" | 00°57'47"  | 1.011  |
| 18/05/2011 00:00:00 | ♁ | 03°59'49" ♃ | -22°40'02" | -01°45'09" | 14°26'06"  | 0.002  |
| 18/05/2011 00:00:00 | ♁ | 02°47'46" ♂ | 09°41'24"  | -02°55'34" | 01°25'05"  | 0.998  |
| 18/05/2011 00:00:00 | ♀ | 02°31'06" ♂ | 10°50'49"  | -01°35'43" | 01°12'50"  | 1.518  |
| 18/05/2011 00:00:00 | ♂ | 05°01'49" ♂ | 12°39'47"  | -00°34'02" | 00°44'50"  | 2.304  |
| 18/05/2011 00:00:00 | ♃ | 26°12'49" ♀ | 09°05'44"  | -01°05'51" | 00°13'26"  | 5.794  |

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|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 18/05/2011 00:00:00 | ♃ | 11°00'26" ♃ | -01°54'16" | 02°39'47"  | -00°02'30" | 8.893  |
| 18/05/2011 00:00:00 | ♅ | 03°28'23" ♃ | 00°43'21"  | -00°43'01" | 00°02'21"  | 20.674 |
| 18/05/2011 00:00:00 | ♆ | 00°51'18" ♃ | -11°39'09" | -00°31'00" | 00°00'31"  | 30.065 |
| 18/05/2011 00:00:00 | ♁ | 07°08'39" ♃ | -18°43'31" | 04°31'32"  | -00°01'03" | 31.255 |
| 18/05/2011 00:00:00 | ♄ | 23°33'31" ♃ | -23°16'50" | 00°00'00"  | -00°01'44" | 0.002  |
| 18/05/2011 00:00:00 | ♂ | 05°15'07" ♃ | -04°09'41" | 05°49'21"  | 00°01'16"  | 16.871 |
| 18/05/2011 00:00:00 | ♁ | 06°13'38" ♃ | 07°06'23"  | 05°02'54"  | 00°06'43"  | 0.003  |
| 18/05/2011 00:00:00 | ♄ | 23°33'31" ♃ | -23°16'50" | 00°00'00"  | -00°01'44" | 0.002  |
| 18/05/2011 00:00:00 | ♁ | 22°44'13" ♃ | 13°04'29"  | 04°33'44"  | -02°02'57" | 0.003  |
| 18/05/2011 00:00:00 | X | 22°10'40" ♃ | -03°43'37" | -13°18'10" | 00°00'33"  | 97.409 |
| 18/05/2011 00:00:00 | Y | 22°21'38" ♃ | 06°56'54"  | -11°46'57" | 00°00'46"  | 88.173 |
| 19/05/2011 00:00:00 | ♁ | 27°42'00" ♃ | 19°38'44"  | -00°00'00" | 00°57'45"  | 1.012  |
| 19/05/2011 00:00:00 | ♂ | 18°15'32" ♃ | -23°23'58" | -00°28'57" | 14°04'37"  | 0.002  |
| 19/05/2011 00:00:00 | ♁ | 04°14'01" ♃ | 10°14'25"  | -02°51'19" | 01°27'25"  | 1.015  |
| 19/05/2011 00:00:00 | ♁ | 03°43'57" ♃ | 11°16'20"  | -01°34'52" | 01°12'51"  | 1.523  |
| 19/05/2011 00:00:00 | ♂ | 05°46'38" ♃ | 12°55'14"  | -00°33'26" | 00°44'47"  | 2.302  |
| 19/05/2011 00:00:00 | ♁ | 26°26'14" ♃ | 09°10'31"  | -01°05'55" | 00°13'22"  | 5.786  |
| 19/05/2011 00:00:00 | ♃ | 10°57'58" ♃ | -01°53'29" | 02°39'35"  | -00°02'25" | 8.905  |
| 19/05/2011 00:00:00 | ♅ | 03°30'43" ♃ | 00°44'15"  | -00°43'03" | 00°02'19"  | 20.660 |

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|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 19/05/2011 00:00:00 | ♁ | 00°51'49" ♀ | -11°38'59" | -00°31'01" | 00°00'30"  | 30.048 |
| 19/05/2011 00:00:00 | ♁ | 07°07'35" ♀ | -18°43'35" | 04°31'32"  | -00°01'04" | 31.244 |
| 19/05/2011 00:00:00 | ♁ | 23°32'26" ♀ | -23°16'47" | 00°00'00"  | -00°00'26" | 0.002  |
| 19/05/2011 00:00:00 | ♁ | 05°16'21" ♀ | -04°08'58" | 05°49'39"  | 00°01'12"  | 16.856 |
| 19/05/2011 00:00:00 | ♁ | 06°20'22" ♀ | 07°08'54"  | 05°02'43"  | 00°06'43"  | 0.003  |
| 19/05/2011 00:00:00 | ♁ | 23°32'26" ♀ | -23°16'47" | 00°00'00"  | -00°00'26" | 0.002  |
| 19/05/2011 00:00:00 | ♁ | 20°23'24" ♀ | 12°17'10"  | 04°40'05"  | -02°38'52" | 0.003  |
| 19/05/2011 00:00:00 | X | 22°11'13" ♀ | -03°43'27" | -13°18'13" | 00°00'32"  | 97.399 |
| 19/05/2011 00:00:00 | Y | 22°22'24" ♀ | 06°57'05"  | -11°46'57" | 00°00'46"  | 88.171 |
| 20/05/2011 00:00:00 | ♁ | 28°39'46" ♀ | 19°51'36"  | -00°00'00" | 00°57'44"  | 1.012  |
| 20/05/2011 00:00:00 | ♁ | 02°08'04" ♀ | -22°38'09" | 00°47'03"  | 13°40'10"  | 0.003  |
| 20/05/2011 00:00:00 | ♁ | 05°42'37" ♀ | 10°48'18"  | -02°46'30" | 01°29'44"  | 1.032  |
| 20/05/2011 00:00:00 | ♁ | 04°56'49" ♀ | 11°41'36"  | -01°33'57" | 01°12'51"  | 1.527  |
| 20/05/2011 00:00:00 | ♁ | 06°31'24" ♀ | 13°10'33"  | -00°32'51" | 00°44'44"  | 2.301  |
| 20/05/2011 00:00:00 | ♁ | 26°39'35" ♀ | 09°15'16"  | -01°06'00" | 00°13'19"  | 5.778  |
| 20/05/2011 00:00:00 | ♁ | 10°55'35" ♀ | -01°52'44" | 02°39'23"  | -00°02'20" | 8.918  |
| 20/05/2011 00:00:00 | ♁ | 03°33'01" ♀ | 00°45'08"  | -00°43'04" | 00°02'16"  | 20.647 |
| 20/05/2011 00:00:00 | ♁ | 00°52'18" ♀ | -11°38'51" | -00°31'03" | 00°00'28"  | 30.031 |
| 20/05/2011 00:00:00 | ♁ | 07°06'29" ♀ | -18°43'39" | 04°31'31"  | -00°01'06" | 31.234 |

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|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 20/05/2011 00:00:00 | ♏  | 23°32'34" ♀ | -23°16'48" | 00°00'00"  | 00°00'39"  | 0.002  |
| 20/05/2011 00:00:00 | ♋  | 05°17'32" ♂ | -04°08'16" | 05°49'57"  | 00°01'09"  | 16.840 |
| 20/05/2011 00:00:00 | ♌  | 06°27'05" ♀ | 07°11'24"  | 05°02'33"  | 00°06'43"  | 0.003  |
| 20/05/2011 00:00:00 | T♏ | 23°32'34" ♀ | -23°16'48" | 00°00'00"  | 00°00'39"  | 0.002  |
| 20/05/2011 00:00:00 | T♌ | 17°29'00" ♀ | 11°17'00"  | 04°47'17"  | -03°07'13" | 0.003  |
| 20/05/2011 00:00:00 | X  | 22°11'46" ♀ | -03°43'18" | -13°18'16" | 00°00'32"  | 97.389 |
| 20/05/2011 00:00:00 | Y  | 22°23'11" ♂ | 06°57'15"  | -11°46'58" | 00°00'46"  | 88.169 |
| 21/05/2011 00:00:00 | ♉  | 29°37'30" ♂ | 20°04'08"  | -00°00'00" | 00°57'43"  | 1.012  |
| 21/05/2011 00:00:00 | ♊  | 15°35'42" ♀ | -20°34'04" | 01°58'17"  | 13°15'10"  | 0.003  |
| 21/05/2011 00:00:00 | ♍  | 07°13'30" ♂ | 11°22'57"  | -02°41'08" | 01°32'02"  | 1.049  |
| 21/05/2011 00:00:00 | ♎  | 06°09'41" ♂ | 12°06'37"  | -01°32'59" | 01°12'52"  | 1.532  |
| 21/05/2011 00:00:00 | ♏  | 07°16'07" ♂ | 13°25'43"  | -00°32'15" | 00°44'41"  | 2.300  |
| 21/05/2011 00:00:00 | ♐  | 26°52'53" ♀ | 09°19'59"  | -01°06'04" | 00°13'16"  | 5.770  |
| 21/05/2011 00:00:00 | ♑  | 10°53'17" ♀ | -01°52'01" | 02°39'11"  | -00°02'15" | 8.930  |
| 21/05/2011 00:00:00 | ♒  | 03°35'17" ♀ | 00°46'01"  | -00°43'06" | 00°02'14"  | 20.633 |
| 21/05/2011 00:00:00 | ♓  | 00°52'45" ♂ | -11°38'43" | -00°31'05" | 00°00'26"  | 30.015 |
| 21/05/2011 00:00:00 | P  | 07°05'22" ♀ | -18°43'43" | 04°31'31"  | -00°01'07" | 31.224 |
| 21/05/2011 00:00:00 | ♏  | 23°33'36" ♀ | -23°16'51" | 00°00'00"  | 00°01'20"  | 0.002  |
| 21/05/2011 00:00:00 | ♋  | 05°18'40" ♂ | -04°07'34" | 05°50'15"  | 00°01'06"  | 16.825 |



Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 21/05/2011 00:00:00 | ☾ | 06°33'49" ♀ | 07°13'54"  | 05°02'22"  | 00°06'43"  | 0.003  |
| 21/05/2011 00:00:00 | ♄ | 23°33'36" ♂ | -23°16'51" | 00°00'00"  | 00°01'20"  | 0.002  |
| 21/05/2011 00:00:00 | ♃ | 14°16'41" ♀ | 10°08'51"  | 04°54'17"  | -03°12'48" | 0.003  |
| 21/05/2011 00:00:00 | X | 22°12'18" ♀ | -03°43'09" | -13°18'19" | 00°00'32"  | 97.379 |
| 21/05/2011 00:00:00 | Y | 22°23'57" ♂ | 06°57'26"  | -11°46'59" | 00°00'46"  | 88.166 |
| 22/05/2011 00:00:00 | ☉ | 00°35'13" ♀ | 20°16'19"  | -00°00'00" | 00°57'42"  | 1.012  |
| 22/05/2011 00:00:00 | ☾ | 28°38'55" ♂ | -17°28'18" | 03°01'10"  | 12°51'39"  | 0.003  |
| 22/05/2011 00:00:00 | ♀ | 08°46'40" ♂ | 11°58'20"  | -02°35'14" | 01°34'18"  | 1.066  |
| 22/05/2011 00:00:00 | ♀ | 07°22'33" ♂ | 12°31'22"  | -01°31'56" | 01°12'53"  | 1.536  |
| 22/05/2011 00:00:00 | ♂ | 08°00'47" ♂ | 13°40'45"  | -00°31'39" | 00°44'38"  | 2.298  |
| 22/05/2011 00:00:00 | ♃ | 27°06'08" ♀ | 09°24'40"  | -01°06'09" | 00°13'13"  | 5.762  |
| 22/05/2011 00:00:00 | ♃ | 10°51'04" ♀ | -01°51'21" | 02°38'58"  | -00°02'09" | 8.943  |
| 22/05/2011 00:00:00 | ♃ | 03°37'30" ♀ | 00°46'52"  | -00°43'07" | 00°02'12"  | 20.619 |
| 22/05/2011 00:00:00 | ♃ | 00°53'11" ♀ | -11°38'35" | -00°31'06" | 00°00'24"  | 29.998 |
| 22/05/2011 00:00:00 | ♃ | 07°04'14" ♂ | -18°43'47" | 04°31'30"  | -00°01'08" | 31.214 |
| 22/05/2011 00:00:00 | ♄ | 23°35'06" ♂ | -23°16'55" | 00°00'00"  | 00°01'33"  | 0.002  |
| 22/05/2011 00:00:00 | ♃ | 05°19'44" ♀ | -04°06'54" | 05°50'33"  | 00°01'02"  | 16.809 |
| 22/05/2011 00:00:00 | ☾ | 06°40'32" ♀ | 07°16'25"  | 05°02'11"  | 00°06'43"  | 0.003  |
| 22/05/2011 00:00:00 | ♄ | 23°35'06" ♂ | -23°16'55" | 00°00'00"  | 00°01'33"  | 0.002  |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 22/05/2011 00:00:00 | T♄ | 11°12'35" ♈ | 09°02'01"  | 05°00'05"  | -02°51'12" | 0.003  |
| 22/05/2011 00:00:00 | X  | 22°12'50" ♈ | -03°43'01" | -13°18'22" | 00°00'31"  | 97.369 |
| 22/05/2011 00:00:00 | Y  | 22°24'43" ♉ | 06°57'36"  | -11°47'00" | 00°00'46"  | 88.163 |
| 23/05/2011 00:00:00 | ☉  | 01°32'55" ♉ | 20°28'10"  | 00°00'00"  | 00°57'41"  | 1.012  |
| 23/05/2011 00:00:00 | ☾  | 11°20'00" ♋ | -13°38'08" | 03°53'19"  | 12°31'07"  | 0.003  |
| 23/05/2011 00:00:00 | ♀  | 10°22'07" ♉ | 12°34'20"  | -02°28'49" | 01°36'35"  | 1.083  |
| 23/05/2011 00:00:00 | ♀  | 08°35'27" ♉ | 12°55'49"  | -01°30'50" | 01°12'53"  | 1.541  |
| 23/05/2011 00:00:00 | ♂  | 08°45'23" ♉ | 13°55'39"  | -00°31'03" | 00°44'35"  | 2.297  |
| 23/05/2011 00:00:00 | ♃  | 27°19'20" ♈ | 09°29'19"  | -01°06'13" | 00°13'09"  | 5.754  |
| 23/05/2011 00:00:00 | ♅  | 10°48'57" ♈ | -01°50'43" | 02°38'46"  | -00°02'04" | 8.955  |
| 23/05/2011 00:00:00 | ♁  | 03°39'42" ♈ | 00°47'43"  | -00°43'09" | 00°02'10"  | 20.605 |
| 23/05/2011 00:00:00 | ♆  | 00°53'34" ♈ | -11°38'29" | -00°31'08" | 00°00'22"  | 29.981 |
| 23/05/2011 00:00:00 | ♁  | 07°03'05" ♈ | -18°43'51" | 04°31'29"  | -00°01'09" | 31.205 |
| 23/05/2011 00:00:00 | ♁  | 23°36'34" ♈ | -23°16'59" | 00°00'00"  | 00°01'17"  | 0.002  |
| 23/05/2011 00:00:00 | ♁  | 05°20'45" ♈ | -04°06'15" | 05°50'51"  | 00°00'59"  | 16.794 |
| 23/05/2011 00:00:00 | ♁  | 06°47'15" ♈ | 07°18'54"  | 05°02'00"  | 00°06'43"  | 0.003  |
| 23/05/2011 00:00:00 | T♁ | 23°36'34" ♈ | -23°16'59" | 00°00'00"  | 00°01'17"  | 0.002  |
| 23/05/2011 00:00:00 | T♄ | 08°40'35" ♈ | 08°05'47"  | 05°04'10"  | -02°10'50" | 0.003  |
| 23/05/2011 00:00:00 | X  | 22°13'22" ♈ | -03°42'52" | -13°18'25" | 00°00'31"  | 97.359 |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 23/05/2011 00:00:00 | Y  | 22°25'29" ♄ | 06°57'46"  | -11°47'01" | 00°00'45"  | 88.160 |
| 24/05/2011 00:00:00 | ☉  | 02°30'35" ♀ | 20°39'40"  | 00°00'00"  | 00°57'40"  | 1.013  |
| 24/05/2011 00:00:00 | ☾  | 23°42'29" ♁ | -09°18'49" | 04°33'13"  | 12°14'33"  | 0.003  |
| 24/05/2011 00:00:00 | ♀  | 11°59'50" ♄ | 13°10'54"  | -02°21'54" | 01°38'50"  | 1.100  |
| 24/05/2011 00:00:00 | ♀  | 09°48'21" ♄ | 13°20'00"  | -01°29'40" | 01°12'54"  | 1.545  |
| 24/05/2011 00:00:00 | ♂  | 09°29'57" ♄ | 14°10'24"  | -00°30'27" | 00°44'31"  | 2.296  |
| 24/05/2011 00:00:00 | ♃  | 27°32'28" ♀ | 09°33'57"  | -01°06'18" | 00°13'06"  | 5.745  |
| 24/05/2011 00:00:00 | ♅  | 10°46'55" ♁ | -01°50'07" | 02°38'33"  | -00°01'58" | 8.968  |
| 24/05/2011 00:00:00 | ♁  | 03°41'50" ♀ | 00°48'33"  | -00°43'11" | 00°02'07"  | 20.591 |
| 24/05/2011 00:00:00 | ♃  | 00°53'55" ♁ | -11°38'23" | -00°31'10" | 00°00'20"  | 29.964 |
| 24/05/2011 00:00:00 | ♁  | 07°01'54" ♁ | -18°43'56" | 04°31'28"  | -00°01'11" | 31.196 |
| 24/05/2011 00:00:00 | ♁  | 23°37'34" ♁ | -23°17'02" | 00°00'00"  | 00°00'39"  | 0.002  |
| 24/05/2011 00:00:00 | ♁  | 05°21'43" ♁ | -04°05'38" | 05°51'09"  | 00°00'55"  | 16.778 |
| 24/05/2011 00:00:00 | ♁  | 06°53'58" ♀ | 07°21'24"  | 05°01'49"  | 00°06'43"  | 0.003  |
| 24/05/2011 00:00:00 | T♁ | 23°37'34" ♁ | -23°17'02" | 00°00'00"  | 00°00'39"  | 0.002  |
| 24/05/2011 00:00:00 | T♁ | 06°52'20" ♀ | 07°25'12"  | 05°06'40"  | -01°26'06" | 0.003  |
| 24/05/2011 00:00:00 | X  | 22°13'53" ♀ | -03°42'44" | -13°18'28" | 00°00'30"  | 97.348 |
| 24/05/2011 00:00:00 | Y  | 22°26'15" ♄ | 06°57'55"  | -11°47'02" | 00°00'45"  | 88.157 |
| 25/05/2011 00:00:00 | ☉  | 03°28'15" ♀ | 20°50'48"  | 00°00'00"  | 00°57'39"  | 1.013  |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 25/05/2011 00:00:00 | ♃ | 05°50'36" ♃ | -04°42'49" | 05°00'02"  | 12°02'27"  | 0.003  |
| 25/05/2011 00:00:00 | ♆ | 13°39'49" ♆ | 13°47'55"  | -02°14'31" | 01°41'06"  | 1.117  |
| 25/05/2011 00:00:00 | ♀ | 11°01'16" ♀ | 13°43'52"  | -01°28'27" | 01°12'55"  | 1.550  |
| 25/05/2011 00:00:00 | ♂ | 10°14'27" ♀ | 14°24'59"  | -00°29'51" | 00°44'28"  | 2.294  |
| 25/05/2011 00:00:00 | ♃ | 27°45'33" ♃ | 09°38'33"  | -01°06'23" | 00°13'02"  | 5.736  |
| 25/05/2011 00:00:00 | ♄ | 10°44'59" ♄ | -01°49'33" | 02°38'20"  | -00°01'53" | 8.981  |
| 25/05/2011 00:00:00 | ♃ | 03°43'57" ♃ | 00°49'21"  | -00°43'12" | 00°02'05"  | 20.576 |
| 25/05/2011 00:00:00 | ♃ | 00°54'14" ♃ | -11°38'18" | -00°31'11" | 00°00'18"  | 29.947 |
| 25/05/2011 00:00:00 | ♃ | 07°00'43" ♃ | -18°44'01" | 04°31'27"  | -00°01'12" | 31.187 |
| 25/05/2011 00:00:00 | ♁ | 23°37'49" ♃ | -23°17'03" | 00°00'00"  | -00°00'10" | 0.002  |
| 25/05/2011 00:00:00 | ♃ | 05°22'37" ♃ | -04°05'01" | 05°51'27"  | 00°00'52"  | 16.763 |
| 25/05/2011 00:00:00 | ♃ | 07°00'42" ♃ | 07°23'54"  | 05°01'38"  | 00°06'43"  | 0.003  |
| 25/05/2011 00:00:00 | ♁ | 23°37'49" ♃ | -23°17'03" | 00°00'00"  | -00°00'10" | 0.002  |
| 25/05/2011 00:00:00 | ♃ | 05°45'42" ♃ | 06°59'59"  | 05°08'01"  | -00°49'11" | 0.003  |
| 25/05/2011 00:00:00 | X | 22°14'24" ♃ | -03°42'36" | -13°18'32" | 00°00'30"  | 97.338 |
| 25/05/2011 00:00:00 | Y | 22°27'01" ♆ | 06°58'05"  | -11°47'04" | 00°00'45"  | 88.153 |
| 26/05/2011 00:00:00 | ♁ | 04°25'54" ♁ | 21°01'35"  | 00°00'00"  | 00°57'38"  | 1.013  |
| 26/05/2011 00:00:00 | ♃ | 17°48'56" ♃ | -00°00'14" | 05°13'24"  | 11°54'58"  | 0.003  |
| 26/05/2011 00:00:00 | ♆ | 15°22'03" ♆ | 14°25'18"  | -02°06'39" | 01°43'21"  | 1.134  |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 26/05/2011 00:00:00 | ♀  | 12°14'11" ♂ | 14°07'25"  | -01°27'10" | 01°12'55"  | 1.554  |
| 26/05/2011 00:00:00 | ♂  | 10°58'55" ♂ | 14°39'26"  | -00°29'14" | 00°44'25"  | 2.293  |
| 26/05/2011 00:00:00 | ♃  | 27°58'34" ♀ | 09°43'07"  | -01°06'28" | 00°12'59"  | 5.728  |
| 26/05/2011 00:00:00 | ♅  | 10°43'09" ♃ | -01°49'02" | 02°38'07"  | -00°01'47" | 8.995  |
| 26/05/2011 00:00:00 | ♁  | 03°46'01" ♀ | 00°50'09"  | -00°43'14" | 00°02'03"  | 20.562 |
| 26/05/2011 00:00:00 | ♆  | 00°54'31" ♃ | -11°38'13" | -00°31'13" | 00°00'16"  | 29.930 |
| 26/05/2011 00:00:00 | ♄  | 06°59'30" ♁ | -18°44'06" | 04°31'26"  | -00°01'13" | 31.178 |
| 26/05/2011 00:00:00 | ♆  | 23°37'12" ♁ | -23°17'01" | 00°00'00"  | -00°01'03" | 0.002  |
| 26/05/2011 00:00:00 | ♃  | 05°23'27" ♃ | -04°04'26" | 05°51'46"  | 00°00'48"  | 16.747 |
| 26/05/2011 00:00:00 | ♁  | 07°07'25" ♀ | 07°26'23"  | 05°01'26"  | 00°06'43"  | 0.003  |
| 26/05/2011 00:00:00 | T♆ | 23°37'12" ♁ | -23°17'01" | 00°00'00"  | -00°01'03" | 0.002  |
| 26/05/2011 00:00:00 | T♃ | 05°09'00" ♀ | 06°46'01"  | 05°08'41"  | -00°26'55" | 0.003  |
| 26/05/2011 00:00:00 | X  | 22°14'54" ♀ | -03°42'28" | -13°18'35" | 00°00'30"  | 97.327 |
| 26/05/2011 00:00:00 | Y  | 22°27'47" ♂ | 06°58'15"  | -11°47'05" | 00°00'45"  | 88.149 |
| 27/05/2011 00:00:00 | ♁  | 05°23'31" ♃ | 21°12'00"  | 00°00'00"  | 00°57'37"  | 1.013  |
| 27/05/2011 00:00:00 | ♃  | 29°42'02" ♃ | 04°40'11"  | 05°13'13"  | 11°51'57"  | 0.003  |
| 27/05/2011 00:00:00 | ♆  | 17°06'32" ♂ | 15°02'58"  | -01°58'22" | 01°45'36"  | 1.150  |
| 27/05/2011 00:00:00 | ♀  | 13°27'07" ♂ | 14°30'38"  | -01°25'49" | 01°12'56"  | 1.558  |
| 27/05/2011 00:00:00 | ♂  | 11°43'19" ♂ | 14°53'44"  | -00°28'37" | 00°44'22"  | 2.291  |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 27/05/2011 00:00:00 | ♃  | 28°11'31" ♀ | 09°47'39"  | -01°06'33" | 00°12'55"  | 5.719  |
| 27/05/2011 00:00:00 | ♅  | 10°41'23" ♀ | -01°48'33" | 02°37'54"  | -00°01'42" | 9.008  |
| 27/05/2011 00:00:00 | ♁  | 03°48'03" ♀ | 00°50'56"  | -00°43'16" | 00°02'00"  | 20.547 |
| 27/05/2011 00:00:00 | ♆  | 00°54'46" ♂ | -11°38'09" | -00°31'15" | 00°00'14"  | 29.913 |
| 27/05/2011 00:00:00 | ♁  | 06°58'16" ♀ | -18°44'11" | 04°31'24"  | -00°01'14" | 31.169 |
| 27/05/2011 00:00:00 | ♄  | 23°35'45" ♂ | -23°16'57" | 00°00'00"  | -00°01'48" | 0.003  |
| 27/05/2011 00:00:00 | ♆  | 05°24'14" ♂ | -04°03'52" | 05°52'04"  | 00°00'45"  | 16.732 |
| 27/05/2011 00:00:00 | ♁  | 07°14'08" ♀ | 07°28'52"  | 05°01'15"  | 00°06'43"  | 0.003  |
| 27/05/2011 00:00:00 | T♄ | 23°35'45" ♂ | -23°16'57" | 00°00'00"  | -00°01'48" | 0.003  |
| 27/05/2011 00:00:00 | T♁ | 04°46'24" ♀ | 06°37'23"  | 05°09'03"  | -00°20'53" | 0.003  |
| 27/05/2011 00:00:00 | X  | 22°15'24" ♀ | -03°42'21" | -13°18'39" | 00°00'29"  | 97.315 |
| 27/05/2011 00:00:00 | Y  | 22°28'32" ♂ | 06°58'24"  | -11°47'07" | 00°00'45"  | 88.145 |
| 28/05/2011 00:00:00 | ♁  | 06°21'08" ♀ | 21°22'03"  | 00°00'00"  | 00°57'36"  | 1.013  |
| 28/05/2011 00:00:00 | ♃  | 11°34'13" ♀ | 09°10'10"  | 04°59'41"  | 11°53'02"  | 0.003  |
| 28/05/2011 00:00:00 | ♆  | 18°53'17" ♂ | 15°40'47"  | -01°49'39" | 01°47'51"  | 1.166  |
| 28/05/2011 00:00:00 | ♁  | 14°40'04" ♂ | 14°53'31"  | -01°24'26" | 01°12'57"  | 1.562  |
| 28/05/2011 00:00:00 | ♂  | 12°27'40" ♂ | 15°07'52"  | -00°28'00" | 00°44'19"  | 2.290  |
| 28/05/2011 00:00:00 | ♃  | 28°24'25" ♀ | 09°52'09"  | -01°06'38" | 00°12'51"  | 5.709  |
| 28/05/2011 00:00:00 | ♅  | 10°39'44" ♀ | -01°48'06" | 02°37'41"  | -00°01'36" | 9.022  |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 28/05/2011 00:00:00 | ♃ | 03°50'03" ♀ | 00°51'42"  | -00°43'17" | 00°01'58"  | 20.532 |
| 28/05/2011 00:00:00 | ♃ | 00°55'00" ♀ | -11°38'06" | -00°31'17" | 00°00'12"  | 29.896 |
| 28/05/2011 00:00:00 | ♃ | 06°57'01" ♀ | -18°44'16" | 04°31'23"  | -00°01'15" | 31.161 |
| 28/05/2011 00:00:00 | ♃ | 23°33'40" ♀ | -23°16'51" | 00°00'00"  | -00°02'17" | 0.003  |
| 28/05/2011 00:00:00 | ♃ | 05°24'57" ♀ | -04°03'19" | 05°52'22"  | 00°00'41"  | 16.716 |
| 28/05/2011 00:00:00 | ♃ | 07°20'51" ♀ | 07°31'21"  | 05°01'03"  | 00°06'43"  | 0.003  |
| 28/05/2011 00:00:00 | ♃ | 23°33'40" ♀ | -23°16'51" | 00°00'00"  | -00°02'17" | 0.003  |
| 28/05/2011 00:00:00 | ♃ | 04°22'41" ♀ | 06°28'21"  | 05°09'29"  | -00°28'17" | 0.003  |
| 28/05/2011 00:00:00 | X | 22°15'53" ♀ | -03°42'14" | -13°18'43" | 00°00'29"  | 97.304 |
| 28/05/2011 00:00:00 | Y | 22°29'17" ♀ | 06°58'33"  | -11°47'08" | 00°00'45"  | 88.140 |
| 29/05/2011 00:00:00 | ♃ | 07°18'44" ♀ | 21°31'44"  | 00°00'00"  | 00°57'35"  | 1.013  |
| 29/05/2011 00:00:00 | ♃ | 23°29'19" ♀ | 13°20'53"  | 04°33'12"  | 11°57'43"  | 0.003  |
| 29/05/2011 00:00:00 | ♃ | 20°42'15" ♀ | 16°18'39"  | -01°40'33" | 01°50'05"  | 1.182  |
| 29/05/2011 00:00:00 | ♃ | 15°53'02" ♀ | 15°16'03"  | -01°22'59" | 01°12'57"  | 1.567  |
| 29/05/2011 00:00:00 | ♃ | 13°11'57" ♀ | 15°21'51"  | -00°27'23" | 00°44'16"  | 2.288  |
| 29/05/2011 00:00:00 | ♃ | 28°37'15" ♀ | 09°56'37"  | -01°06'44" | 00°12'47"  | 5.700  |
| 29/05/2011 00:00:00 | ♃ | 10°38'10" ♀ | -01°47'42" | 02°37'27"  | -00°01'30" | 9.036  |
| 29/05/2011 00:00:00 | ♃ | 03°52'00" ♀ | 00°52'27"  | -00°43'19" | 00°01'55"  | 20.517 |
| 29/05/2011 00:00:00 | ♃ | 00°55'11" ♀ | -11°38'04" | -00°31'18" | 00°00'10"  | 29.879 |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 29/05/2011 00:00:00 | ♁ | 06°55'45" ♄ | -18°44'22" | 04°31'21"  | -00°01'16" | 31.153 |
| 29/05/2011 00:00:00 | ♁ | 23°31'16" ♄ | -23°16'44" | 00°00'00"  | -00°02'27" | 0.003  |
| 29/05/2011 00:00:00 | ♁ | 05°25'37" ♄ | -04°02'48" | 05°52'41"  | 00°00'38"  | 16.701 |
| 29/05/2011 00:00:00 | ♁ | 07°27'34" ♄ | 07°33'50"  | 05°00'51"  | 00°06'43"  | 0.003  |
| 29/05/2011 00:00:00 | ♁ | 23°31'16" ♄ | -23°16'44" | 00°00'00"  | -00°02'27" | 0.003  |
| 29/05/2011 00:00:00 | ♁ | 03°47'46" ♄ | 06°15'03"  | 05°10'07"  | -00°41'37" | 0.003  |
| 29/05/2011 00:00:00 | X | 22°16'22" ♄ | -03°42'07" | -13°18'46" | 00°00'28"  | 97.292 |
| 29/05/2011 00:00:00 | Y | 22°30'03" ♄ | 06°58'42"  | -11°47'10" | 00°00'45"  | 88.135 |
| 30/05/2011 00:00:00 | ♁ | 08°16'18" ♄ | 21°41'02"  | 00°00'00"  | 00°57'34"  | 1.014  |
| 30/05/2011 00:00:00 | ♁ | 05°30'39" ♄ | 17°02'23"  | 03°54'30"  | 12°05'23"  | 0.003  |
| 30/05/2011 00:00:00 | ♁ | 22°33'27" ♄ | 16°56'26"  | -01°31'05" | 01°52'18"  | 1.197  |
| 30/05/2011 00:00:00 | ♁ | 17°06'00" ♄ | 15°38'13"  | -01°21'28" | 01°12'58"  | 1.571  |
| 30/05/2011 00:00:00 | ♁ | 13°56'12" ♄ | 15°35'41"  | -00°26'45" | 00°44'12"  | 2.287  |
| 30/05/2011 00:00:00 | ♁ | 28°50'00" ♄ | 10°01'03"  | -01°06'49" | 00°12'43"  | 5.691  |
| 30/05/2011 00:00:00 | ♁ | 10°36'43" ♄ | -01°47'20" | 02°37'14"  | -00°01'24" | 9.050  |
| 30/05/2011 00:00:00 | ♁ | 03°53'55" ♄ | 00°53'11"  | -00°43'21" | 00°01'53"  | 20.502 |
| 30/05/2011 00:00:00 | ♁ | 00°55'20" ♄ | -11°38'02" | -00°31'20" | 00°00'08"  | 29.863 |
| 30/05/2011 00:00:00 | ♁ | 06°54'28" ♄ | -18°44'27" | 04°31'19"  | -00°01'17" | 31.145 |
| 30/05/2011 00:00:00 | ♁ | 23°28'52" ♄ | -23°16'37" | 00°00'00"  | -00°02'16" | 0.003  |



Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 30/05/2011 00:00:00 | ♁ | 05°26'14" ♀ | -04°02'18" | 05°52'59"  | 00°00'34"  | 16.685 |
| 30/05/2011 00:00:00 | ♁ | 07°34'17" ♀ | 07°36'19"  | 05°00'39"  | 00°06'43"  | 0.003  |
| 30/05/2011 00:00:00 | ♁ | 23°28'52" ♀ | -23°16'37" | 00°00'00"  | -00°02'16" | 0.003  |
| 30/05/2011 00:00:00 | ♁ | 03°01'31" ♀ | 05°57'26"  | 05°10'58"  | -00°48'35" | 0.003  |
| 30/05/2011 00:00:00 | X | 22°16'51" ♀ | -03°42'00" | -13°18'50" | 00°00'28"  | 97.280 |
| 30/05/2011 00:00:00 | Y | 22°30'48" ♂ | 06°58'51"  | -11°47'12" | 00°00'45"  | 88.130 |
| 31/05/2011 00:00:00 | ♁ | 09°13'52" ♀ | 21°49'58"  | 00°00'00"  | 00°57'33"  | 1.014  |
| 31/05/2011 00:00:00 | ♁ | 17°40'52" ♂ | 20°03'26"  | 03°04'45"  | 12°15'23"  | 0.003  |
| 31/05/2011 00:00:00 | ♁ | 24°26'51" ♂ | 17°34'00"  | -01°21'17" | 01°54'29"  | 1.212  |
| 31/05/2011 00:00:00 | ♁ | 18°18'58" ♂ | 16°00'00"  | -01°19'55" | 01°12'59"  | 1.575  |
| 31/05/2011 00:00:00 | ♁ | 14°40'23" ♂ | 15°49'21"  | -00°26'07" | 00°44'09"  | 2.285  |
| 31/05/2011 00:00:00 | ♁ | 29°02'42" ♀ | 10°05'27"  | -01°06'55" | 00°12'39"  | 5.681  |
| 31/05/2011 00:00:00 | ♁ | 10°35'21" ♀ | -01°47'01" | 02°37'00"  | -00°01'18" | 9.064  |
| 31/05/2011 00:00:00 | ♁ | 03°55'47" ♀ | 00°53'54"  | -00°43'23" | 00°01'51"  | 20.487 |
| 31/05/2011 00:00:00 | ♁ | 00°55'28" ♀ | -11°38'01" | -00°31'22" | 00°00'06"  | 29.846 |
| 31/05/2011 00:00:00 | ♁ | 06°53'10" ♀ | -18°44'33" | 04°31'17"  | -00°01'18" | 31.138 |
| 31/05/2011 00:00:00 | ♁ | 23°26'47" ♀ | -23°16'30" | 00°00'00"  | -00°01'50" | 0.003  |
| 31/05/2011 00:00:00 | ♁ | 05°26'47" ♀ | -04°01'48" | 05°53'18"  | 00°00'31"  | 16.670 |
| 31/05/2011 00:00:00 | ♁ | 07°41'01" ♀ | 07°38'48"  | 05°00'27"  | 00°06'43"  | 0.003  |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 31/05/2011 00:00:00 | T♄ | 23°26'47" ♏ | -23°16'30" | 00°00'00"  | -00°01'50" | 0.003  |
| 31/05/2011 00:00:00 | T♄ | 02°17'36" ♏ | 05°40'43"  | 05°11'47"  | -00°34'41" | 0.003  |
| 31/05/2011 00:00:00 | X  | 22°17'19" ♏ | -03°41'54" | -13°18'54" | 00°00'28"  | 97.268 |
| 31/05/2011 00:00:00 | Y  | 22°31'33" ♏ | 06°58'59"  | -11°47'14" | 00°00'44"  | 88.125 |
| 01/06/2011 00:00:00 | ☉  | 10°11'25" ♀ | 21°58'31"  | -00°00'00" | 00°57'32"  | 1.014  |
| 01/06/2011 00:00:00 | ☾  | 00°01'59" ♀ | 22°12'06"  | 02°05'38"  | 12°27'04"  | 0.003  |
| 01/06/2011 00:00:00 | ♁  | 26°22'26" ♏ | 18°11'13"  | -01°11'12" | 01°56'38"  | 1.226  |
| 01/06/2011 00:00:00 | ♂  | 19°31'58" ♏ | 16°21'24"  | -01°18'19" | 01°12'59"  | 1.579  |
| 01/06/2011 00:00:00 | ♂  | 15°24'31" ♏ | 16°02'51"  | -00°25'30" | 00°44'06"  | 2.284  |
| 01/06/2011 00:00:00 | ♃  | 29°15'20" ♏ | 10°09'49"  | -01°07'01" | 00°12'35"  | 5.671  |
| 01/06/2011 00:00:00 | ♅  | 10°34'05" ♏ | -01°46'44" | 02°36'46"  | -00°01'13" | 9.078  |
| 01/06/2011 00:00:00 | ♁  | 03°57'37" ♏ | 00°54'36"  | -00°43'24" | 00°01'48"  | 20.472 |
| 01/06/2011 00:00:00 | ♃  | 00°55'33" ♏ | -11°38'00" | -00°31'23" | 00°00'04"  | 29.829 |
| 01/06/2011 00:00:00 | ♁  | 06°51'52" ♏ | -18°44'39" | 04°31'15"  | -00°01'19" | 31.130 |
| 01/06/2011 00:00:00 | ♄  | 23°25'15" ♏ | -23°16'26" | 00°00'00"  | -00°01'12" | 0.003  |
| 01/06/2011 00:00:00 | ♁  | 05°27'16" ♏ | -04°01'21" | 05°53'36"  | 00°00'27"  | 16.654 |
| 01/06/2011 00:00:00 | ♁  | 07°47'44" ♏ | 07°41'16"  | 05°00'15"  | 00°06'43"  | 0.003  |
| 01/06/2011 00:00:00 | T♄ | 23°25'15" ♏ | -23°16'26" | 00°00'00"  | -00°01'12" | 0.003  |
| 01/06/2011 00:00:00 | T♄ | 02°02'34" ♏ | 05°35'08"  | 05°12'13"  | 00°10'02"  | 0.003  |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 01/06/2011 00:00:00 | X  | 22°17'47" ♀ | -03°41'48" | -13°18'58" | 00°00'27"  | 97.256 |
| 01/06/2011 00:00:00 | Y  | 22°32'18" ♂ | 06°59'08"  | -11°47'17" | 00°00'44"  | 88.120 |
| 02/06/2011 00:00:00 | ☉  | 11°08'57" ♀ | 22°06'41"  | -00°00'00" | 00°57'31"  | 1.014  |
| 02/06/2011 00:00:00 | ☾  | 12°35'22" ♀ | 23°17'13"  | 00°59'28"  | 12°39'50"  | 0.003  |
| 02/06/2011 00:00:00 | ♁  | 28°20'08" ♂ | 18°47'54"  | -01°00'51" | 01°58'44"  | 1.240  |
| 02/06/2011 00:00:00 | ♂  | 20°44'58" ♂ | 16°42'24"  | -01°16'39" | 01°13'00"  | 1.583  |
| 02/06/2011 00:00:00 | ♂  | 16°08'36" ♂ | 16°16'11"  | -00°24'52" | 00°44'02"  | 2.282  |
| 02/06/2011 00:00:00 | ♃  | 29°27'54" ♀ | 10°14'09"  | -01°07'07" | 00°12'31"  | 5.661  |
| 02/06/2011 00:00:00 | ♄  | 10°32'55" ♀ | -01°46'29" | 02°36'33"  | -00°01'07" | 9.092  |
| 02/06/2011 00:00:00 | ♅  | 03°59'25" ♀ | 00°55'17"  | -00°43'26" | 00°01'46"  | 20.456 |
| 02/06/2011 00:00:00 | ♆  | 00°55'37" ♀ | -11°38'01" | -00°31'25" | 00°00'02"  | 29.813 |
| 02/06/2011 00:00:00 | ♇  | 06°50'32" ♂ | -18°44'45" | 04°31'13"  | -00°01'20" | 31.123 |
| 02/06/2011 00:00:00 | ♈  | 23°24'23" ♂ | -23°16'23" | 00°00'00"  | -00°00'31" | 0.003  |
| 02/06/2011 00:00:00 | ♉  | 05°27'42" ♀ | -04°00'54" | 05°53'54"  | 00°00'24"  | 16.639 |
| 02/06/2011 00:00:00 | ♊  | 07°54'27" ♀ | 07°43'45"  | 05°00'02"  | 00°06'43"  | 0.003  |
| 02/06/2011 00:00:00 | T♈ | 23°24'23" ♂ | -23°16'23" | 00°00'00"  | -00°00'31" | 0.003  |
| 02/06/2011 00:00:00 | T♉ | 02°47'34" ♀ | 05°52'40"  | 05°11'48"  | 01°23'58"  | 0.003  |
| 02/06/2011 00:00:00 | X  | 22°18'15" ♀ | -03°41'42" | -13°19'03" | 00°00'27"  | 97.244 |
| 02/06/2011 00:00:00 | Y  | 22°33'02" ♂ | 06°59'16"  | -11°47'19" | 00°00'44"  | 88.114 |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 03/06/2011 00:00:00 | ♁  | 12°06'28" ♀ | 22°14'28"  | -00°00'00" | 00°57'30"  | 1.014  |
| 03/06/2011 00:00:00 | ♃  | 25°21'51" ♀ | 23°10'31"  | -00°10'51" | 12°53'11"  | 0.003  |
| 03/06/2011 00:00:00 | ♄  | 00°19'53" ♀ | 19°23'54"  | -00°50'19" | 02°00'45"  | 1.253  |
| 03/06/2011 00:00:00 | ♆  | 21°57'58" ♂ | 17°03'00"  | -01°14'57" | 01°13'00"  | 1.587  |
| 03/06/2011 00:00:00 | ♂  | 16°52'37" ♂ | 16°29'21"  | -00°24'13" | 00°43'59"  | 2.280  |
| 03/06/2011 00:00:00 | ♁  | 29°40'24" ♀ | 10°18'26"  | -01°07'13" | 00°12'27"  | 5.651  |
| 03/06/2011 00:00:00 | ♂  | 10°31'50" ♀ | -01°46'17" | 02°36'19"  | -00°01'01" | 9.107  |
| 03/06/2011 00:00:00 | ♄  | 04°01'10" ♀ | 00°55'57"  | -00°43'28" | 00°01'43"  | 20.441 |
| 03/06/2011 00:00:00 | ♆  | 00°55'38" ♂ | -11°38'02" | -00°31'27" | 00°00'00"  | 29.796 |
| 03/06/2011 00:00:00 | ♁  | 06°49'12" ♂ | -18°44'52" | 04°31'11"  | -00°01'20" | 31.116 |
| 03/06/2011 00:00:00 | ♁  | 23°24'11" ♂ | -23°16'23" | 00°00'00"  | 00°00'05"  | 0.003  |
| 03/06/2011 00:00:00 | ♃  | 05°28'05" ♂ | -04°00'29" | 05°54'13"  | 00°00'20"  | 16.623 |
| 03/06/2011 00:00:00 | ♁  | 08°01'10" ♀ | 07°46'13"  | 04°59'50"  | 00°06'43"  | 0.003  |
| 03/06/2011 00:00:00 | T♁ | 23°24'11" ♂ | -23°16'23" | 00°00'00"  | 00°00'05"  | 0.003  |
| 03/06/2011 00:00:00 | T♃ | 04°55'39" ♀ | 06°41'51"  | 05°09'55"  | 02°53'05"  | 0.003  |
| 03/06/2011 00:00:00 | X  | 22°18'42" ♀ | -03°41'36" | -13°19'07" | 00°00'26"  | 97.231 |
| 03/06/2011 00:00:00 | Y  | 22°33'47" ♂ | 06°59'24"  | -11°47'22" | 00°00'44"  | 88.108 |
| 04/06/2011 00:00:00 | ♁  | 13°03'58" ♀ | 22°21'52"  | -00°00'00" | 00°57'29"  | 1.014  |
| 04/06/2011 00:00:00 | ♃  | 08°21'50" ♂ | 21°48'40"  | -01°21'53" | 13°06'47"  | 0.003  |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 04/06/2011 00:00:00 | ♀  | 02°21'37" ♀ | 19°59'03"  | -00°39'36" | 02°02'41"  | 1.265  |
| 04/06/2011 00:00:00 | ♀  | 23°10'59" ♂ | 17°23'10"  | -01°13'11" | 01°13'01"  | 1.591  |
| 04/06/2011 00:00:00 | ♂  | 17°36'35" ♂ | 16°42'21"  | -00°23'35" | 00°43'56"  | 2.279  |
| 04/06/2011 00:00:00 | ♃  | 29°52'49" ♀ | 10°22'42"  | -01°07'19" | 00°12'22"  | 5.641  |
| 04/06/2011 00:00:00 | ♄  | 10°30'52" ♃ | -01°46'07" | 02°36'05"  | -00°00'55" | 9.122  |
| 04/06/2011 00:00:00 | ♅  | 04°02'52" ♀ | 00°56'36"  | -00°43'30" | 00°01'41"  | 20.425 |
| 04/06/2011 00:00:00 | ♆  | 00°55'38" ♃ | -11°38'04" | -00°31'28" | -00°00'01" | 29.779 |
| 04/06/2011 00:00:00 | ♁  | 06°47'50" ♂ | -18°44'58" | 04°31'08"  | -00°01'21" | 31.110 |
| 04/06/2011 00:00:00 | ♁  | 23°24'31" ♂ | -23°16'23" | 00°00'00"  | 00°00'32"  | 0.003  |
| 04/06/2011 00:00:00 | ♂  | 05°28'24" ♃ | -04°00'05" | 05°54'31"  | 00°00'17"  | 16.608 |
| 04/06/2011 00:00:00 | ♁  | 08°07'54" ♀ | 07°48'41"  | 04°59'37"  | 00°06'43"  | 0.003  |
| 04/06/2011 00:00:00 | T♁ | 23°24'31" ♂ | -23°16'23" | 00°00'00"  | 00°00'32"  | 0.003  |
| 04/06/2011 00:00:00 | T♁ | 08°31'51" ♀ | 08°03'37"  | 05°05'34"  | 04°16'31"  | 0.003  |
| 04/06/2011 00:00:00 | X  | 22°19'08" ♀ | -03°41'31" | -13°19'11" | 00°00'26"  | 97.218 |
| 04/06/2011 00:00:00 | Y  | 22°34'31" ♂ | 06°59'32"  | -11°47'24" | 00°00'44"  | 88.101 |
| 05/06/2011 00:00:00 | ♁  | 14°01'27" ♀ | 22°28'52"  | -00°00'00" | 00°57'28"  | 1.015  |
| 05/06/2011 00:00:00 | ♃  | 21°35'24" ♃ | 19°14'22"  | -02°29'48" | 13°20'20"  | 0.003  |
| 05/06/2011 00:00:00 | ♀  | 04°25'14" ♀ | 20°33'08"  | -00°28'48" | 02°04'30"  | 1.276  |
| 05/06/2011 00:00:00 | ♀  | 24°24'01" ♂ | 17°42'54"  | -01°11'23" | 01°13'01"  | 1.595  |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 05/06/2011 00:00:00 | ♂ | 18°20'29" ♄ | 16°55'11"  | -00°22'56" | 00°43'52"  | 2.277  |
| 05/06/2011 00:00:00 | ♃ | 00°05'09" ♄ | 10°26'56"  | -01°07'25" | 00°12'18"  | 5.630  |
| 05/06/2011 00:00:00 | ♅ | 10°30'00" ♃ | -01°46'00" | 02°35'50"  | -00°00'49" | 9.137  |
| 05/06/2011 00:00:00 | ♁ | 04°04'32" ♃ | 00°57'14"  | -00°43'32" | 00°01'38"  | 20.410 |
| 05/06/2011 00:00:00 | ♆ | 00°55'36" ♃ | -11°38'06" | -00°31'30" | -00°00'03" | 29.763 |
| 05/06/2011 00:00:00 | ♁ | 06°46'28" ♃ | -18°45'05" | 04°31'05"  | -00°01'22" | 31.104 |
| 05/06/2011 00:00:00 | ♁ | 23°25'12" ♃ | -23°16'26" | 00°00'00"  | 00°00'46"  | 0.003  |
| 05/06/2011 00:00:00 | ♁ | 05°28'39" ♃ | -03°59'42" | 05°54'50"  | 00°00'13"  | 16.593 |
| 05/06/2011 00:00:00 | ♁ | 08°14'37" ♃ | 07°51'08"  | 04°59'24"  | 00°06'43"  | 0.003  |
| 05/06/2011 00:00:00 | ♁ | 23°25'12" ♃ | -23°16'26" | 00°00'00"  | 00°00'46"  | 0.003  |
| 05/06/2011 00:00:00 | ♁ | 13°19'35" ♃ | 09°49'46"  | 04°57'48"  | 05°12'44"  | 0.003  |
| 05/06/2011 00:00:00 | X | 22°19'34" ♃ | -03°41'26" | -13°19'16" | 00°00'25"  | 97.206 |
| 05/06/2011 00:00:00 | Y | 22°35'15" ♄ | 06°59'40"  | -11°47'27" | 00°00'43"  | 88.095 |
| 06/06/2011 00:00:00 | ♁ | 14°58'54" ♃ | 22°35'29"  | -00°00'00" | 00°57'26"  | 1.015  |
| 06/06/2011 00:00:00 | ♁ | 05°02'26" ♃ | 15°35'46"  | -03°30'39" | 13°33'39"  | 0.003  |
| 06/06/2011 00:00:00 | ♁ | 06°30'36" ♃ | 21°05'58"  | -00°17'56" | 02°06'11"  | 1.286  |
| 06/06/2011 00:00:00 | ♀ | 25°37'03" ♄ | 18°02'12"  | -01°09'33" | 01°13'02"  | 1.598  |
| 06/06/2011 00:00:00 | ♂ | 19°04'20" ♄ | 17°07'50"  | -00°22'18" | 00°43'48"  | 2.275  |
| 06/06/2011 00:00:00 | ♃ | 00°17'26" ♄ | 10°31'07"  | -01°07'31" | 00°12'13"  | 5.620  |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 06/06/2011 00:00:00 | ♃ | 10°29'14" ♈ | -01°45'55" | 02°35'36"  | -00°00'43" | 9.151  |
| 06/06/2011 00:00:00 | ♅ | 04°06'09" ♀ | 00°57'50"  | -00°43'34" | 00°01'35"  | 20.394 |
| 06/06/2011 00:00:00 | ♆ | 00°55'31" ♁ | -11°38'09" | -00°31'32" | -00°00'05" | 29.746 |
| 06/06/2011 00:00:00 | ♄ | 06°45'05" ♉ | -18°45'12" | 04°31'03"  | -00°01'23" | 31.098 |
| 06/06/2011 00:00:00 | ♁ | 23°25'59" ♋ | -23°16'28" | 00°00'00"  | 00°00'46"  | 0.003  |
| 06/06/2011 00:00:00 | ♂ | 05°28'51" ♌ | -03°59'21" | 05°55'08"  | 00°00'09"  | 16.577 |
| 06/06/2011 00:00:00 | ♁ | 08°21'20" ♀ | 07°53'36"  | 04°59'11"  | 00°06'43"  | 0.003  |
| 06/06/2011 00:00:00 | ♁ | 23°25'59" ♋ | -23°16'28" | 00°00'00"  | 00°00'46"  | 0.003  |
| 06/06/2011 00:00:00 | ♁ | 18°42'18" ♋ | 11°44'31"  | 04°46'34"  | 05°24'07"  | 0.003  |
| 06/06/2011 00:00:00 | X | 22°20'00" ♀ | -03°41'21" | -13°19'20" | 00°00'25"  | 97.192 |
| 06/06/2011 00:00:00 | Y | 22°35'59" ♋ | 06°59'47"  | -11°47'30" | 00°00'43"  | 88.088 |
| 07/06/2011 00:00:00 | ♁ | 15°56'20" ♌ | 22°41'42"  | -00°00'00" | 00°57'25"  | 1.015  |
| 07/06/2011 00:00:00 | ♃ | 18°42'34" ♉ | 11°04'59"  | -04°20'34" | 13°46'30"  | 0.003  |
| 07/06/2011 00:00:00 | ♁ | 08°37'34" ♌ | 21°37'21"  | -00°07'06" | 02°07'42"  | 1.295  |
| 07/06/2011 00:00:00 | ♆ | 26°50'05" ♁ | 18°21'02"  | -01°07'39" | 01°13'02"  | 1.602  |
| 07/06/2011 00:00:00 | ♂ | 19°48'07" ♋ | 17°20'19"  | -00°21'39" | 00°43'45"  | 2.274  |
| 07/06/2011 00:00:00 | ♁ | 00°29'37" ♋ | 10°35'16"  | -01°07'38" | 00°12'09"  | 5.609  |
| 07/06/2011 00:00:00 | ♃ | 10°28'34" ♈ | -01°45'52" | 02°35'22"  | -00°00'37" | 9.167  |
| 07/06/2011 00:00:00 | ♅ | 04°07'44" ♀ | 00°58'26"  | -00°43'35" | 00°01'33"  | 20.378 |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 07/06/2011 00:00:00 | ♁  | 00°55'25" ♄ | -11°38'13" | -00°31'34" | -00°00'07" | 29.730 |
| 07/06/2011 00:00:00 | ♁  | 06°43'41" ♄ | -18°45'19" | 04°31'00"  | -00°01'24" | 31.092 |
| 07/06/2011 00:00:00 | ♁  | 23°26'41" ♄ | -23°16'30" | 00°00'00"  | 00°00'36"  | 0.003  |
| 07/06/2011 00:00:00 | ♁  | 05°28'59" ♄ | -03°59'01" | 05°55'26"  | 00°00'06"  | 16.562 |
| 07/06/2011 00:00:00 | ♁  | 08°28'03" ♄ | 07°56'04"  | 04°58'58"  | 00°06'43"  | 0.003  |
| 07/06/2011 00:00:00 | T♁ | 23°26'41" ♄ | -23°16'30" | 00°00'00"  | 00°00'36"  | 0.003  |
| 07/06/2011 00:00:00 | T♁ | 23°50'03" ♄ | 13°28'52"  | 04°33'28"  | 04°42'41"  | 0.003  |
| 07/06/2011 00:00:00 | X  | 22°20'25" ♄ | -03°41'16" | -13°19'25" | 00°00'24"  | 97.179 |
| 07/06/2011 00:00:00 | Y  | 22°36'42" ♄ | 06°59'55"  | -11°47'33" | 00°00'43"  | 88.080 |
| 08/06/2011 00:00:00 | ♁  | 16°53'45" ♄ | 22°47'31"  | -00°00'00" | 00°57'24"  | 1.015  |
| 08/06/2011 00:00:00 | ♁  | 02°35'12" ♄ | 05°56'27"  | -04°56'08" | 13°58'35"  | 0.002  |
| 08/06/2011 00:00:00 | ♁  | 10°45'57" ♄ | 22°07'05"  | 00°03'39"  | 02°09'01"  | 1.303  |
| 08/06/2011 00:00:00 | ♁  | 28°03'08" ♄ | 18°39'23"  | -01°05'44" | 01°13'03"  | 1.606  |
| 08/06/2011 00:00:00 | ♁  | 20°31'50" ♄ | 17°32'38"  | -00°21'00" | 00°43'41"  | 2.272  |
| 08/06/2011 00:00:00 | ♁  | 00°41'44" ♄ | 10°39'23"  | -01°07'44" | 00°12'04"  | 5.598  |
| 08/06/2011 00:00:00 | ♁  | 10°27'59" ♄ | -01°45'52" | 02°35'07"  | -00°00'31" | 9.182  |
| 08/06/2011 00:00:00 | ♁  | 04°09'16" ♄ | 00°59'01"  | -00°43'37" | 00°01'30"  | 20.362 |
| 08/06/2011 00:00:00 | ♁  | 00°55'17" ♄ | -11°38'17" | -00°31'35" | -00°00'09" | 29.714 |
| 08/06/2011 00:00:00 | ♁  | 06°42'17" ♄ | -18°45'26" | 04°30'57"  | -00°01'24" | 31.087 |



Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 08/06/2011 00:00:00 | ♏ | 23°27'09" ♂ | -23°16'31" | 00°00'00"  | 00°00'19"  | 0.002  |
| 08/06/2011 00:00:00 | ♋ | 05°29'04" ♀ | -03°58'42" | 05°55'45"  | 00°00'02"  | 16.547 |
| 08/06/2011 00:00:00 | ♌ | 08°34'46" ♀ | 07°58'31"  | 04°58'45"  | 00°06'43"  | 0.003  |
| 08/06/2011 00:00:00 | ♏ | 23°27'09" ♂ | -23°16'31" | 00°00'00"  | 00°00'19"  | 0.002  |
| 08/06/2011 00:00:00 | ♌ | 27°52'46" ♀ | 14°47'06"  | 04°21'33"  | 03°17'14"  | 0.003  |
| 08/06/2011 00:00:00 | X | 22°20'49" ♀ | -03°41'12" | -13°19'30" | 00°00'24"  | 97.166 |
| 08/06/2011 00:00:00 | Y | 22°37'25" ♂ | 07°00'02"  | -11°47'36" | 00°00'42"  | 88.073 |
| 09/06/2011 00:00:00 | ♁ | 17°51'09" ♀ | 22°52'55"  | -00°00'00" | 00°57'23"  | 1.015  |
| 09/06/2011 00:00:00 | ♃ | 16°39'18" ♀ | 00°26'01"  | -05°14'36" | 14°09'21"  | 0.002  |
| 09/06/2011 00:00:00 | ♌ | 12°55'34" ♀ | 22°34'58"  | 00°14'15"  | 02°10'08"  | 1.310  |
| 09/06/2011 00:00:00 | ♍ | 29°16'11" ♂ | 18°57'17"  | -01°03'45" | 01°13'03"  | 1.610  |
| 09/06/2011 00:00:00 | ♎ | 21°15'30" ♂ | 17°44'45"  | -00°20'20" | 00°43'38"  | 2.270  |
| 09/06/2011 00:00:00 | ♏ | 00°53'45" ♂ | 10°43'28"  | -01°07'51" | 00°11'59"  | 5.587  |
| 09/06/2011 00:00:00 | ♐ | 10°27'31" ♀ | -01°45'54" | 02°34'53"  | -00°00'25" | 9.197  |
| 09/06/2011 00:00:00 | ♑ | 04°10'45" ♀ | 00°59'35"  | -00°43'39" | 00°01'27"  | 20.346 |
| 09/06/2011 00:00:00 | ♒ | 00°55'06" ♀ | -11°38'23" | -00°31'37" | -00°00'11" | 29.697 |
| 09/06/2011 00:00:00 | ♓ | 06°40'52" ♀ | -18°45'33" | 04°30'54"  | -00°01'25" | 31.082 |
| 09/06/2011 00:00:00 | ♏ | 23°27'19" ♂ | -23°16'32" | 00°00'00"  | 00°00'01"  | 0.002  |
| 09/06/2011 00:00:00 | ♋ | 05°29'05" ♀ | -03°58'24" | 05°56'03"  | -00°00'00" | 16.532 |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 09/06/2011 00:00:00 | ☾  | 08°41'30" ♀ | 08°00'58"  | 04°58'31"  | 00°06'43"  | 0.003  |
| 09/06/2011 00:00:00 | ♄♁ | 23°27'19" ♂ | -23°16'32" | 00°00'00"  | 00°00'01"  | 0.002  |
| 09/06/2011 00:00:00 | ♄☾ | 00°19'09" ♀ | 15°32'22"  | 04°13'44"  | 01°36'02"  | 0.003  |
| 09/06/2011 00:00:00 | X  | 22°21'13" ♀ | -03°41'08" | -13°19'35" | 00°00'23"  | 97.152 |
| 09/06/2011 00:00:00 | Y  | 22°38'08" ♀ | 07°00'09"  | -11°47'40" | 00°00'42"  | 88.065 |
| 10/06/2011 00:00:00 | ☉  | 18°48'32" ♀ | 22°57'56"  | -00°00'00" | 00°57'22"  | 1.015  |
| 10/06/2011 00:00:00 | ☾  | 00°53'15" ♀ | -05°09'21" | -05°14'10" | 14°18'07"  | 0.002  |
| 10/06/2011 00:00:00 | ♀  | 15°06'10" ♀ | 23°00'48"  | 00°24'38"  | 02°11'00"  | 1.315  |
| 10/06/2011 00:00:00 | ♀  | 00°29'15" ♀ | 19°14'40"  | -01°01'45" | 01°13'04"  | 1.613  |
| 10/06/2011 00:00:00 | ♂  | 21°59'07" ♀ | 17°56'42"  | -00°19'41" | 00°43'34"  | 2.268  |
| 10/06/2011 00:00:00 | ♃  | 01°05'42" ♀ | 10°47'30"  | -01°07'58" | 00°11'54"  | 5.576  |
| 10/06/2011 00:00:00 | ♃  | 10°27'09" ♀ | -01°45'59" | 02°34'38"  | -00°00'19" | 9.212  |
| 10/06/2011 00:00:00 | ♃  | 04°12'11" ♀ | 01°00'07"  | -00°43'41" | 00°01'25"  | 20.330 |
| 10/06/2011 00:00:00 | ♃  | 00°54'54" ♀ | -11°38'29" | -00°31'39" | -00°00'13" | 29.681 |
| 10/06/2011 00:00:00 | ♃  | 06°39'26" ♀ | -18°45'41" | 04°30'50"  | -00°01'26" | 31.077 |
| 10/06/2011 00:00:00 | ♁  | 23°27'14" ♂ | -23°16'32" | 00°00'00"  | -00°00'11" | 0.002  |
| 10/06/2011 00:00:00 | ♃  | 05°29'02" ♀ | -03°58'08" | 05°56'21"  | -00°00'04" | 16.517 |
| 10/06/2011 00:00:00 | ☾  | 08°48'13" ♀ | 08°03'25"  | 04°58'18"  | 00°06'43"  | 0.003  |
| 10/06/2011 00:00:00 | ♄♁ | 23°27'14" ♂ | -23°16'32" | 00°00'00"  | -00°00'11" | 0.002  |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 10/06/2011 00:00:00 | T♄ | 01°12'09" ♉ | 15°48'21"  | 04°10'46"  | 00°16'08"  | 0.003  |
| 10/06/2011 00:00:00 | X  | 22°21'37" ♉ | -03°41'04" | -13°19'39" | 00°00'23"  | 97.138 |
| 10/06/2011 00:00:00 | Y  | 22°38'51" ♉ | 07°00'16"  | -11°47'43" | 00°00'42"  | 88.057 |
| 11/06/2011 00:00:00 | ☉  | 19°45'54" ♉ | 23°02'33"  | -00°00'00" | 00°57'21"  | 1.015  |
| 11/06/2011 00:00:00 | ☾  | 15°14'36" ♉ | -10°31'25" | -04°54'17" | 14°24'00"  | 0.002  |
| 11/06/2011 00:00:00 | ♀  | 17°17'30" ♉ | 23°24'24"  | 00°34'44"  | 02°11'37"  | 1.319  |
| 11/06/2011 00:00:00 | ♀  | 01°42'19" ♉ | 19°31'34"  | -00°59'42" | 01°13'04"  | 1.617  |
| 11/06/2011 00:00:00 | ♂  | 22°42'39" ♉ | 18°08'28"  | -00°19'01" | 00°43'30"  | 2.267  |
| 11/06/2011 00:00:00 | ♃  | 01°17'34" ♉ | 10°51'30"  | -01°08'05" | 00°11'49"  | 5.565  |
| 11/06/2011 00:00:00 | ♅  | 10°26'53" ♉ | -01°46'06" | 02°34'24"  | -00°00'13" | 9.228  |
| 11/06/2011 00:00:00 | ♁  | 04°13'35" ♉ | 01°00'39"  | -00°43'43" | 00°01'22"  | 20.314 |
| 11/06/2011 00:00:00 | ♆  | 00°54'40" ♉ | -11°38'35" | -00°31'40" | -00°00'15" | 29.665 |
| 11/06/2011 00:00:00 | ♁  | 06°38'00" ♉ | -18°45'49" | 04°30'47"  | -00°01'26" | 31.072 |
| 11/06/2011 00:00:00 | ♁  | 23°26'58" ♉ | -23°16'31" | 00°00'00"  | -00°00'17" | 0.002  |
| 11/06/2011 00:00:00 | ♁  | 05°28'56" ♉ | -03°57'54" | 05°56'39"  | -00°00'07" | 16.502 |
| 11/06/2011 00:00:00 | ♁  | 08°54'56" ♉ | 08°05'52"  | 04°58'04"  | 00°06'43"  | 0.003  |
| 11/06/2011 00:00:00 | T♁ | 23°26'58" ♉ | -23°16'31" | 00°00'00"  | -00°00'17" | 0.002  |
| 11/06/2011 00:00:00 | T♄ | 01°06'09" ♉ | 15°46'33"  | 04°11'06"  | -00°20'46" | 0.003  |
| 11/06/2011 00:00:00 | X  | 22°21'59" ♉ | -03°41'00" | -13°19'44" | 00°00'22"  | 97.124 |

Ephemerides year 2011

|                     |    |             |             |            |            |        |
|---------------------|----|-------------|-------------|------------|------------|--------|
| 11/06/2011 00:00:00 | Y  | 22°39'33" ♃ | 07°00'22"   | -11°47'47" | 00°00'42"  | 88.049 |
| 12/06/2011 00:00:00 | ☉  | 20°43'14" ♌ | 23°06'45"   | -00°00'00" | 00°57'20"  | 1.015  |
| 12/06/2011 00:00:00 | ☾  | 29°40'01" ♋ | -15°20'24"  | -04°15'51" | 14°26'07"  | 0.002  |
| 12/06/2011 00:00:00 | ♀  | 19°29'20" ♌ | 23°45'36" ○ | 00°44'28"  | 02°11'58"  | 1.322  |
| 12/06/2011 00:00:00 | ♀  | 02°55'24" ♌ | 19°47'57"   | -00°57'37" | 01°13'05"  | 1.620  |
| 12/06/2011 00:00:00 | ♂  | 23°26'09" ♃ | 18°20'03"   | -00°18'21" | 00°43'27"  | 2.265  |
| 12/06/2011 00:00:00 | ♃  | 01°29'21" ♃ | 10°55'28"   | -01°08'12" | 00°11'44"  | 5.553  |
| 12/06/2011 00:00:00 | ♄  | 10°26'42" ♃ | -01°46'16"  | 02°34'09"  | -00°00'07" | 9.244  |
| 12/06/2011 00:00:00 | ♅  | 04°14'56" ♃ | 01°01'09"   | -00°43'45" | 00°01'19"  | 20.297 |
| 12/06/2011 00:00:00 | ♆  | 00°54'24" ♃ | -11°38'42"  | -00°31'42" | -00°00'16" | 29.649 |
| 12/06/2011 00:00:00 | ♇  | 06°36'33" ♃ | -18°45'56"  | 04°30'43"  | -00°01'27" | 31.068 |
| 12/06/2011 00:00:00 | ♈  | 23°26'40" ♃ | -23°16'30"  | 00°00'00"  | -00°00'16" | 0.002  |
| 12/06/2011 00:00:00 | ♉  | 05°28'47" ♃ | -03°57'40"  | 05°56'58"  | -00°00'11" | 16.487 |
| 12/06/2011 00:00:00 | ♊  | 09°01'39" ♃ | 08°08'18"   | 04°57'50"  | 00°06'43"  | 0.003  |
| 12/06/2011 00:00:00 | T♈ | 23°26'40" ♃ | -23°16'30"  | 00°00'00"  | -00°00'16" | 0.002  |
| 12/06/2011 00:00:00 | T♉ | 00°42'21" ♃ | 15°39'22"   | 04°12'26"  | -00°23'03" | 0.003  |
| 12/06/2011 00:00:00 | X  | 22°22'22" ♃ | -03°40'57"  | -13°19'50" | 00°00'22"  | 97.110 |
| 12/06/2011 00:00:00 | Y  | 22°40'15" ♃ | 07°00'29"   | -11°47'50" | 00°00'41"  | 88.041 |
| 13/06/2011 00:00:00 | ☉  | 21°40'34" ♌ | 23°10'32"   | -00°00'00" | 00°57'19"  | 1.015  |

Ephemerides year 2011

|                     |   |           |   |            |             |            |        |
|---------------------|---|-----------|---|------------|-------------|------------|--------|
| 13/06/2011 00:00:00 | ♃ | 14°05'20" | ♍ | -19°15'56" | -03°21'15"  | 14°23'44"  | 0.002  |
| 13/06/2011 00:00:00 | ♆ | 21°41'23" | ♈ | 24°04'16"  | ♁ 00°53'46" | 02°12'03"  | 1.323  |
| 13/06/2011 00:00:00 | ♀ | 04°08'30" | ♈ | 20°03'48"  | -00°55'30"  | 01°13'05"  | 1.624  |
| 13/06/2011 00:00:00 | ♂ | 24°09'34" | ♏ | 18°31'27"  | -00°17'41"  | 00°43'24"  | 2.263  |
| 13/06/2011 00:00:00 | ♃ | 01°41'03" | ♏ | 10°59'23"  | -01°08'19"  | 00°11'39"  | 5.542  |
| 13/06/2011 00:00:00 | ♅ | 10°26'38" | ♋ | -01°46'28" | 02°33'54"   | -00°00'00" | 9.259  |
| 13/06/2011 00:00:00 | ♁ | 04°16'15" | ♏ | 01°01'39"  | -00°43'47"  | 00°01'17"  | 20.281 |
| 13/06/2011 00:00:00 | ♆ | 00°54'06" | ♋ | -11°38'50" | -00°31'44"  | -00°00'18" | 29.634 |
| 13/06/2011 00:00:00 | ♁ | 06°35'05" | ♏ | -18°46'04" | 04°30'39"   | -00°01'27" | 31.064 |
| 13/06/2011 00:00:00 | ♁ | 23°26'27" | ♏ | -23°16'29" | 00°00'00"   | -00°00'10" | 0.002  |
| 13/06/2011 00:00:00 | ♃ | 05°28'34" | ♋ | -03°57'28" | 05°57'16"   | -00°00'14" | 16.472 |
| 13/06/2011 00:00:00 | ♁ | 09°08'22" | ♏ | 08°10'45"  | 04°57'36"   | 00°06'43"  | 0.003  |
| 13/06/2011 00:00:00 | ♁ | 23°26'27" | ♏ | -23°16'29" | 00°00'00"   | -00°00'10" | 0.002  |
| 13/06/2011 00:00:00 | ♁ | 00°22'56" | ♏ | 15°33'29"  | 04°13'30"   | -00°16'27" | 0.003  |
| 13/06/2011 00:00:00 | X | 22°22'44" | ♏ | -03°40'54" | -13°19'55"  | 00°00'21"  | 97.096 |
| 13/06/2011 00:00:00 | Y | 22°40'56" | ♏ | 07°00'35"  | -11°47'54"  | 00°00'41"  | 88.032 |
| 14/06/2011 00:00:00 | ♁ | 22°37'53" | ♈ | 23°13'56"  | -00°00'00"  | 00°57'18"  | 1.016  |
| 14/06/2011 00:00:00 | ♃ | 28°25'54" | ♍ | -21°59'25" | -02°14'16"  | 14°16'33"  | 0.002  |
| 14/06/2011 00:00:00 | ♆ | 23°53'22" | ♈ | 24°20'17"  | ♁ 01°02'35" | 02°11'51"  | 1.322  |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 14/06/2011 00:00:00 | ♀  | 05°21'36" ♀ | 20°19'08"  | -00°53'21" | 01°13'06"  | 1.627  |
| 14/06/2011 00:00:00 | ♂  | 24°52'57" ♂ | 18°42'40"  | -00°17'01" | 00°43'20"  | 2.261  |
| 14/06/2011 00:00:00 | ♃  | 01°52'40" ♂ | 11°03'16"  | -01°08'26" | 00°11'34"  | 5.530  |
| 14/06/2011 00:00:00 | ♅  | 10°26'40" ♁ | -01°46'42" | 02°33'40"  | 00°00'05"  | 9.275  |
| 14/06/2011 00:00:00 | ♁  | 04°17'31" ♀ | 01°02'07"  | -00°43'49" | 00°01'14"  | 20.265 |
| 14/06/2011 00:00:00 | ♃  | 00°53'47" ♃ | -11°38'59" | -00°31'45" | -00°00'20" | 29.618 |
| 14/06/2011 00:00:00 | ♁  | 06°33'37" ♂ | -18°46'12" | 04°30'35"  | -00°01'28" | 31.060 |
| 14/06/2011 00:00:00 | ♁  | 23°26'20" ♂ | -23°16'29" | 00°00'00"  | -00°00'03" | 0.002  |
| 14/06/2011 00:00:00 | ♃  | 05°28'18" ♃ | -03°57'17" | 05°57'34"  | -00°00'17" | 16.457 |
| 14/06/2011 00:00:00 | ♁  | 09°15'05" ♀ | 08°13'11"  | 04°57'22"  | 00°06'43"  | 0.003  |
| 14/06/2011 00:00:00 | T♁ | 23°26'20" ♂ | -23°16'29" | 00°00'00"  | -00°00'03" | 0.002  |
| 14/06/2011 00:00:00 | T♃ | 00°05'00" ♂ | 15°28'02"  | 04°14'30"  | -00°22'40" | 0.003  |
| 14/06/2011 00:00:00 | X  | 22°23'05" ♀ | -03°40'51" | -13°20'00" | 00°00'21"  | 97.082 |
| 14/06/2011 00:00:00 | Y  | 22°41'38" ♂ | 07°00'41"  | -11°47'58" | 00°00'41"  | 88.023 |
| 15/06/2011 00:00:00 | ♁  | 23°35'11" ♀ | 23°16'54"  | -00°00'00" | 00°57'17"  | 1.016  |
| 15/06/2011 00:00:00 | ♃  | 12°36'54" ♂ | -23°17'37" | -00°59'40" | 14°04'43"  | 0.002  |
| 15/06/2011 00:00:00 | ♁  | 26°05'00" ♀ | 24°33'34"  | 01°10'51"  | 02°11'23"  | 1.320  |
| 15/06/2011 00:00:00 | ♀  | 06°34'43" ♀ | 20°33'55"  | -00°51'10" | 01°13'07"  | 1.630  |
| 15/06/2011 00:00:00 | ♂  | 25°36'15" ♂ | 18°53'42"  | -00°16'21" | 00°43'17"  | 2.259  |

Ephemerides year 2011

|                     |   |             |             |            |            |        |
|---------------------|---|-------------|-------------|------------|------------|--------|
| 15/06/2011 00:00:00 | ♃ | 02°04'12" ♀ | 11°07'07"   | -01°08'34" | 00°11'29"  | 5.518  |
| 15/06/2011 00:00:00 | ♅ | 10°26'49" ♁ | -01°46'59"  | 02°33'25"  | 00°00'11"  | 9.291  |
| 15/06/2011 00:00:00 | ♁ | 04°18'44" ♀ | 01°02'34"   | -00°43'51" | 00°01'11"  | 20.248 |
| 15/06/2011 00:00:00 | ♆ | 00°53'25" ♃ | -11°39'08"  | -00°31'47" | -00°00'22" | 29.602 |
| 15/06/2011 00:00:00 | ♄ | 06°32'09" ♁ | -18°46'21"  | 04°30'31"  | -00°01'28" | 31.057 |
| 15/06/2011 00:00:00 | ♁ | 23°26'18" ♀ | -23°16'29"  | 00°00'00"  | 00°00'00"  | 0.003  |
| 15/06/2011 00:00:00 | ♆ | 05°27'58" ♃ | -03°57'07"  | 05°57'52"  | -00°00'21" | 16.442 |
| 15/06/2011 00:00:00 | ♁ | 09°21'48" ♀ | 08°15'37"   | 04°57'07"  | 00°06'43"  | 0.003  |
| 15/06/2011 00:00:00 | ♁ | 23°26'18" ♀ | -23°16'29"  | 00°00'00"  | 00°00'00"  | 0.003  |
| 15/06/2011 00:00:00 | ♁ | 29°30'19" ♀ | 15°17'26"   | 04°16'24"  | -00°50'18" | 0.003  |
| 15/06/2011 00:00:00 | X | 22°23'26" ♀ | -03°40'48"  | -13°20'05" | 00°00'20"  | 97.067 |
| 15/06/2011 00:00:00 | Y | 22°42'19" ♀ | 07°00'47"   | -11°48'02" | 00°00'40"  | 88.014 |
| 16/06/2011 00:00:00 | ♁ | 24°32'28" ♀ | 23°19'28"   | -00°00'00" | 00°57'17"  | 1.016  |
| 16/06/2011 00:00:00 | ♁ | 26°34'01" ♀ | -23°06'13"  | 00°17'20"  | 13°48'56"  | 0.003  |
| 16/06/2011 00:00:00 | ♁ | 28°16'03" ♀ | 24°44'04" ♁ | 01°18'30"  | 02°10'39"  | 1.317  |
| 16/06/2011 00:00:00 | ♁ | 07°47'51" ♀ | 20°48'09"   | -00°48'57" | 01°13'08"  | 1.634  |
| 16/06/2011 00:00:00 | ♁ | 26°19'31" ♀ | 19°04'32"   | -00°15'40" | 00°43'13"  | 2.257  |
| 16/06/2011 00:00:00 | ♃ | 02°15'38" ♀ | 11°10'56"   | -01°08'41" | 00°11'23"  | 5.506  |
| 16/06/2011 00:00:00 | ♅ | 10°27'03" ♁ | -01°47'18"  | 02°33'10"  | 00°00'17"  | 9.307  |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 16/06/2011 00:00:00 | ♃ | 04°19'55" ♀ | 01°03'00"  | -00°43'53" | 00°01'09"  | 20.232 |
| 16/06/2011 00:00:00 | ♃ | 00°53'02" ♀ | -11°39'18" | -00°31'49" | -00°00'24" | 29.587 |
| 16/06/2011 00:00:00 | ♃ | 06°30'40" ♀ | -18°46'29" | 04°30'27"  | -00°01'28" | 31.054 |
| 16/06/2011 00:00:00 | ♃ | 23°26'19" ♀ | -23°16'29" | 00°00'00"  | -00°00'00" | 0.003  |
| 16/06/2011 00:00:00 | ♃ | 05°27'35" ♀ | -03°56'59" | 05°58'09"  | -00°00'24" | 16.428 |
| 16/06/2011 00:00:00 | ♃ | 09°28'32" ♀ | 08°18'03"  | 04°56'53"  | 00°06'43"  | 0.003  |
| 16/06/2011 00:00:00 | ♃ | 23°26'19" ♀ | -23°16'29" | 00°00'00"  | -00°00'00" | 0.003  |
| 16/06/2011 00:00:00 | ♃ | 28°18'20" ♀ | 14°55'07"  | 04°20'13"  | -01°35'46" | 0.003  |
| 16/06/2011 00:00:00 | X | 22°23'47" ♀ | -03°40'46" | -13°20'11" | 00°00'20"  | 97.053 |
| 16/06/2011 00:00:00 | Y | 22°43'00" ♀ | 07°00'52"  | -11°48'06" | 00°00'40"  | 88.005 |
| 17/06/2011 00:00:00 | ♃ | 25°29'45" ♀ | 23°21'38"  | -00°00'00" | 00°57'16"  | 1.016  |
| 17/06/2011 00:00:00 | ♃ | 10°13'50" ♀ | -21°31'04" | 01°31'46"  | 13°30'21"  | 0.003  |
| 17/06/2011 00:00:00 | ♃ | 00°26'15" ♀ | 24°51'44"  | 01°25'32"  | 02°09'41"  | 1.313  |
| 17/06/2011 00:00:00 | ♃ | 09°01'00" ♀ | 21°01'49"  | -00°46'43" | 01°13'09"  | 1.637  |
| 17/06/2011 00:00:00 | ♃ | 27°02'43" ♀ | 19°15'11"  | -00°14'59" | 00°43'10"  | 2.255  |
| 17/06/2011 00:00:00 | ♃ | 02°26'59" ♀ | 11°14'42"  | -01°08'49" | 00°11'18"  | 5.494  |
| 17/06/2011 00:00:00 | ♃ | 10°27'23" ♀ | -01°47'39" | 02°32'55"  | 00°00'23"  | 9.323  |
| 17/06/2011 00:00:00 | ♃ | 04°21'03" ♀ | 01°03'25"  | -00°43'55" | 00°01'06"  | 20.215 |
| 17/06/2011 00:00:00 | ♃ | 00°52'37" ♀ | -11°39'28" | -00°31'50" | -00°00'26" | 29.571 |



Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 17/06/2011 00:00:00 | ♁ | 06°29'11" ♀ | -18°46'38" | 04°30'23"  | -00°01'29" | 31.051 |
| 17/06/2011 00:00:00 | ♁ | 23°26'16" ♀ | -23°16'28" | 00°00'00"  | -00°00'07" | 0.003  |
| 17/06/2011 00:00:00 | ♁ | 05°27'08" ♀ | -03°56'52" | 05°58'27"  | -00°00'28" | 16.413 |
| 17/06/2011 00:00:00 | ♁ | 09°35'15" ♀ | 08°20'29"  | 04°56'38"  | 00°06'43"  | 0.003  |
| 17/06/2011 00:00:00 | ♁ | 23°26'16" ♀ | -23°16'28" | 00°00'00"  | -00°00'07" | 0.003  |
| 17/06/2011 00:00:00 | ♁ | 26°17'06" ♀ | 14°16'43"  | 04°26'24"  | -02°26'02" | 0.003  |
| 17/06/2011 00:00:00 | X | 22°24'07" ♀ | -03°40'44" | -13°20'16" | 00°00'19"  | 97.038 |
| 17/06/2011 00:00:00 | Y | 22°43'40" ♀ | 07°00'58"  | -11°48'11" | 00°00'40"  | 87.995 |
| 18/06/2011 00:00:00 | ♁ | 26°27'01" ♀ | 23°23'22"  | -00°00'00" | 00°57'15"  | 1.016  |
| 18/06/2011 00:00:00 | ♁ | 23°34'15" ♀ | -18°45'44" | 02°39'23"  | 13°10'22"  | 0.003  |
| 18/06/2011 00:00:00 | ♁ | 02°35'22" ♀ | 24°56'35"  | 01°31'53"  | 02°08'30"  | 1.307  |
| 18/06/2011 00:00:00 | ♁ | 10°14'09" ♀ | 21°14'55"  | -00°44'27" | 01°13'09"  | 1.640  |
| 18/06/2011 00:00:00 | ♁ | 27°45'51" ♀ | 19°25'39"  | -00°14'18" | 00°43'06"  | 2.253  |
| 18/06/2011 00:00:00 | ♁ | 02°38'14" ♀ | 11°18'25"  | -01°08'56" | 00°11'12"  | 5.482  |
| 18/06/2011 00:00:00 | ♁ | 10°27'49" ♀ | -01°48'03" | 02°32'41"  | 00°00'29"  | 9.339  |
| 18/06/2011 00:00:00 | ♁ | 04°22'07" ♀ | 01°03'49"  | -00°43'57" | 00°01'03"  | 20.199 |
| 18/06/2011 00:00:00 | ♁ | 00°52'10" ♀ | -11°39'39" | -00°31'52" | -00°00'27" | 29.556 |
| 18/06/2011 00:00:00 | ♁ | 06°27'41" ♀ | -18°46'46" | 04°30'18"  | -00°01'29" | 31.048 |
| 18/06/2011 00:00:00 | ♁ | 23°26'04" ♀ | -23°16'28" | 00°00'00"  | -00°00'17" | 0.002  |

Ephemerides year 2011

|                     |   |              |            |            |            |        |
|---------------------|---|--------------|------------|------------|------------|--------|
| 18/06/2011 00:00:00 | ♁ | 05°26'38" ♋r | -03°56'46" | 05°58'45"  | -00°00'31" | 16.399 |
| 18/06/2011 00:00:00 | ♁ | 09°41'58" ♋  | 08°22'54"  | 04°56'23"  | 00°06'43"  | 0.003  |
| 18/06/2011 00:00:00 | ♁ | 23°26'04" ♋r | -23°16'28" | 00°00'00"  | -00°00'17" | 0.002  |
| 18/06/2011 00:00:00 | ♁ | 23°30'38" ♋r | 13°22'26"  | 04°34'20"  | -03°03'14" | 0.003  |
| 18/06/2011 00:00:00 | X | 22°24'26" ♋  | -03°40'42" | -13°20'21" | 00°00'19"  | 97.023 |
| 18/06/2011 00:00:00 | Y | 22°44'20" ♋  | 07°01'03"  | -11°48'15" | 00°00'39"  | 87.985 |
| 19/06/2011 00:00:00 | ♁ | 27°24'17" ♋  | 23°24'42"  | 00°00'00"  | 00°57'15"  | 1.016  |
| 19/06/2011 00:00:00 | ♁ | 06°34'37" ♋  | -15°07'27" | 03°36'57"  | 12°50'30"  | 0.003  |
| 19/06/2011 00:00:00 | ♁ | 04°43'13" ♋  | 24°58'38"  | 01°37'31"  | 02°07'08"  | 1.300  |
| 19/06/2011 00:00:00 | ♀ | 11°27'20" ♋  | 21°27'27"  | -00°42'10" | 01°13'10"  | 1.643  |
| 19/06/2011 00:00:00 | ♁ | 28°28'56" ♋  | 19°35'55"  | -00°13'37" | 00°43'03"  | 2.251  |
| 19/06/2011 00:00:00 | ♁ | 02°49'24" ♋  | 11°22'07"  | -01°09'04" | 00°11'06"  | 5.470  |
| 19/06/2011 00:00:00 | ♁ | 10°28'21" ♋  | -01°48'29" | 02°32'26"  | 00°00'35"  | 9.355  |
| 19/06/2011 00:00:00 | ♁ | 04°23'10" ♋  | 01°04'12"  | -00°43'59" | 00°01'00"  | 20.182 |
| 19/06/2011 00:00:00 | ♁ | 00°51'41" ♋r | -11°39'51" | -00°31'53" | -00°00'29" | 29.541 |
| 19/06/2011 00:00:00 | ♁ | 06°26'11" ♋r | -18°46'55" | 04°30'13"  | -00°01'30" | 31.046 |
| 19/06/2011 00:00:00 | ♁ | 23°25'41" ♋r | -23°16'27" | 00°00'00"  | -00°00'28" | 0.002  |
| 19/06/2011 00:00:00 | ♁ | 05°26'05" ♋r | -03°56'42" | 05°59'02"  | -00°00'35" | 16.384 |
| 19/06/2011 00:00:00 | ♁ | 09°48'41" ♋  | 08°25'20"  | 04°56'08"  | 00°06'43"  | 0.003  |

Ephemerides year 2011

|                     |    |             |             |            |            |        |
|---------------------|----|-------------|-------------|------------|------------|--------|
| 19/06/2011 00:00:00 | T♄ | 23°25'41" ♏ | -23°16'27"  | 00°00'00"  | -00°00'28" | 0.002  |
| 19/06/2011 00:00:00 | T♄ | 20°19'47" ♏ | 12°18'08"   | 04°42'38"  | -03°13'21" | 0.003  |
| 19/06/2011 00:00:00 | X  | 22°24'45" ♏ | -03°40'41"  | -13°20'27" | 00°00'18"  | 97.008 |
| 19/06/2011 00:00:00 | Y  | 22°45'00" ♏ | 07°01'08"   | -11°48'19" | 00°00'39"  | 87.975 |
| 20/06/2011 00:00:00 | ☉  | 28°21'32" ♀ | 23°25'37"   | 00°00'00"  | 00°57'15"  | 1.016  |
| 20/06/2011 00:00:00 | ☾  | 19°15'45" ♁ | -10°53'12"  | 04°22'19"  | 12°32'07"  | 0.003  |
| 20/06/2011 00:00:00 | ♀  | 06°49'35" ♁ | 24°57'58" ♁ | 01°42'26"  | 02°05'35"  | 1.292  |
| 20/06/2011 00:00:00 | ♀  | 12°40'31" ♀ | 21°39'22"   | -00°39'51" | 01°13'11"  | 1.646  |
| 20/06/2011 00:00:00 | ♂  | 29°11'58" ♏ | 19°45'59"   | -00°12'56" | 00°42'59"  | 2.249  |
| 20/06/2011 00:00:00 | ♃  | 03°00'28" ♏ | 11°25'45"   | -01°09'12" | 00°11'01"  | 5.457  |
| 20/06/2011 00:00:00 | ♅  | 10°28'59" ♁ | -01°48'58"  | 02°32'11"  | 00°00'41"  | 9.371  |
| 20/06/2011 00:00:00 | ♁  | 04°24'09" ♏ | 01°04'34"   | -00°44'01" | 00°00'57"  | 20.165 |
| 20/06/2011 00:00:00 | ♃  | 00°51'10" ♁ | -11°40'03"  | -00°31'55" | -00°00'31" | 29.526 |
| 20/06/2011 00:00:00 | ♁  | 06°24'41" ♏ | -18°47'04"  | 04°30'09"  | -00°01'30" | 31.044 |
| 20/06/2011 00:00:00 | ♁  | 23°25'08" ♏ | -23°16'25"  | 00°00'00"  | -00°00'35" | 0.002  |
| 20/06/2011 00:00:00 | ♁  | 05°25'28" ♁ | -03°56'39"  | 05°59'20"  | -00°00'38" | 16.370 |
| 20/06/2011 00:00:00 | ♁  | 09°55'24" ♏ | 08°27'45"   | 04°55'53"  | 00°06'43"  | 0.003  |
| 20/06/2011 00:00:00 | T♄ | 23°25'08" ♏ | -23°16'25"  | 00°00'00"  | -00°00'35" | 0.002  |
| 20/06/2011 00:00:00 | T♄ | 17°13'36" ♏ | 11°13'28"   | 04°49'53"  | -02°54'53" | 0.003  |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 20/06/2011 00:00:00 | X  | 22°25'03" ♀ | -03°40'39" | -13°20'33" | 00°00'17"  | 96.993 |
| 20/06/2011 00:00:00 | Y  | 22°45'39" ♂ | 07°01'13"  | -11°48'24" | 00°00'39"  | 87.965 |
| 21/06/2011 00:00:00 | ☉  | 29°18'47" ♀ | 23°26'08"  | 00°00'00"  | 00°57'14"  | 1.016  |
| 21/06/2011 00:00:00 | ☾  | 01°39'46" ♀ | -06°17'45" | 04°54'15"  | 12°16'25"  | 0.003  |
| 21/06/2011 00:00:00 | ♀  | 08°54'21" ♀ | 24°54'39"  | 01°46'36"  | 02°03'54"  | 1.282  |
| 21/06/2011 00:00:00 | ♀  | 13°53'43" ♀ | 21°50'42"  | -00°37'31" | 01°13'12"  | 1.650  |
| 21/06/2011 00:00:00 | ♂  | 29°54'55" ♂ | 19°55'52"  | -00°12'15" | 00°42'56"  | 2.247  |
| 21/06/2011 00:00:00 | ♃  | 03°11'26" ♂ | 11°29'21"  | -01°09'20" | 00°10'55"  | 5.445  |
| 21/06/2011 00:00:00 | ♄  | 10°29'43" ♀ | -01°49'29" | 02°31'56"  | 00°00'46"  | 9.387  |
| 21/06/2011 00:00:00 | ♅  | 04°25'05" ♀ | 01°04'54"  | -00°44'03" | 00°00'55"  | 20.149 |
| 21/06/2011 00:00:00 | ♆  | 00°50'37" ♀ | -11°40'16" | -00°31'57" | -00°00'33" | 29.511 |
| 21/06/2011 00:00:00 | ♇  | 06°23'10" ♀ | -18°47'14" | 04°30'04"  | -00°01'30" | 31.042 |
| 21/06/2011 00:00:00 | ♈  | 23°24'32" ♀ | -23°16'23" | 00°00'00"  | -00°00'36" | 0.002  |
| 21/06/2011 00:00:00 | ♉  | 05°24'47" ♀ | -03°56'38" | 05°59'37"  | -00°00'42" | 16.356 |
| 21/06/2011 00:00:00 | ♊  | 10°02'07" ♀ | 08°30'10"  | 04°55'38"  | 00°06'43"  | 0.003  |
| 21/06/2011 00:00:00 | T♈ | 23°24'32" ♀ | -23°16'23" | 00°00'00"  | -00°00'36" | 0.002  |
| 21/06/2011 00:00:00 | T♉ | 14°35'49" ♀ | 10°17'19"  | 04°55'23"  | -02°19'06" | 0.003  |
| 21/06/2011 00:00:00 | X  | 22°25'20" ♀ | -03°40'38" | -13°20'38" | 00°00'17"  | 96.978 |
| 21/06/2011 00:00:00 | Y  | 22°46'18" ♂ | 07°01'18"  | -11°48'29" | 00°00'38"  | 87.954 |

Ephemerides year 2011

|                     |   |             |             |            |            |        |
|---------------------|---|-------------|-------------|------------|------------|--------|
| 22/06/2011 00:00:00 | ☉ | 00°16'02" ♉ | 23°26'13"   | 00°00'00"  | 00°57'14"  | 1.016  |
| 22/06/2011 00:00:00 | ☾ | 13°49'47" ♉ | -01°33'06"  | 05°12'17"  | 12°04'16"  | 0.003  |
| 22/06/2011 00:00:00 | ♀ | 10°57'22" ♉ | 24°48'47" ♀ | 01°50'02"  | 02°02'06"  | 1.272  |
| 22/06/2011 00:00:00 | ♀ | 15°06'56" ♉ | 22°01'26"   | -00°35'10" | 01°13'13"  | 1.653  |
| 22/06/2011 00:00:00 | ♂ | 00°37'50" ♉ | 20°05'32"   | -00°11'34" | 00°42'52"  | 2.245  |
| 22/06/2011 00:00:00 | ♃ | 03°22'19" ♉ | 11°32'55"   | -01°09'29" | 00°10'49"  | 5.432  |
| 22/06/2011 00:00:00 | ♄ | 10°30'33" ♉ | -01°50'02"  | 02°31'41"  | 00°00'52"  | 9.404  |
| 22/06/2011 00:00:00 | ♅ | 04°25'59" ♉ | 01°05'14"   | -00°44'05" | 00°00'52"  | 20.132 |
| 22/06/2011 00:00:00 | ♆ | 00°50'03" ♉ | -11°40'30"  | -00°31'58" | -00°00'35" | 29.496 |
| 22/06/2011 00:00:00 | ♇ | 06°21'39" ♉ | -18°47'23"  | 04°29'58"  | -00°01'31" | 31.041 |
| 22/06/2011 00:00:00 | ♈ | 23°23'59" ♉ | -23°16'22"  | 00°00'00"  | -00°00'27" | 0.002  |
| 22/06/2011 00:00:00 | ♉ | 05°24'03" ♉ | -03°56'38"  | 05°59'54"  | -00°00'45" | 16.342 |
| 22/06/2011 00:00:00 | ♊ | 10°08'50" ♉ | 08°32'35"   | 04°55'23"  | 00°06'42"  | 0.003  |
| 22/06/2011 00:00:00 | ♋ | 23°23'59" ♉ | -23°16'22"  | 00°00'00"  | -00°00'27" | 0.002  |
| 22/06/2011 00:00:00 | ♌ | 12°35'54" ♉ | 09°33'54"   | 04°59'08"  | -01°41'39" | 0.003  |
| 22/06/2011 00:00:00 | ♍ | 22°25'37" ♉ | -03°40'37"  | -13°20'44" | 00°00'16"  | 96.963 |
| 22/06/2011 00:00:00 | ♎ | 22°46'57" ♉ | 07°01'22"   | -11°48'34" | 00°00'38"  | 87.944 |
| 23/06/2011 00:00:00 | ☉ | 01°13'16" ♉ | 23°25'54"   | 00°00'00"  | 00°57'14"  | 1.016  |
| 23/06/2011 00:00:00 | ☾ | 25°49'43" ♉ | 03°10'55"   | 05°16'22"  | 11°56'19"  | 0.003  |

Ephemerides year 2011

|                     |   |             |             |            |            |        |
|---------------------|---|-------------|-------------|------------|------------|--------|
| 23/06/2011 00:00:00 | ♀ | 12°58'31" ♃ | 24°40'27" ♁ | 01°52'43"  | 02°00'12"  | 1.261  |
| 23/06/2011 00:00:00 | ♀ | 16°20'10" ♃ | 22°11'32"   | -00°32'48" | 01°13'14"  | 1.655  |
| 23/06/2011 00:00:00 | ♂ | 01°20'41" ♃ | 20°15'01"   | -00°10'52" | 00°42'49"  | 2.242  |
| 23/06/2011 00:00:00 | ♃ | 03°33'05" ♃ | 11°36'26"   | -01°09'37" | 00°10'43"  | 5.420  |
| 23/06/2011 00:00:00 | ♃ | 10°31'29" ♃ | -01°50'38"  | 02°31'26"  | 00°00'58"  | 9.420  |
| 23/06/2011 00:00:00 | ♃ | 04°26'50" ♃ | 01°05'32"   | -00°44'07" | 00°00'49"  | 20.115 |
| 23/06/2011 00:00:00 | ♃ | 00°49'27" ♃ | -11°40'45"  | -00°32'00" | -00°00'37" | 29.481 |
| 23/06/2011 00:00:00 | ♃ | 06°20'08" ♃ | -18°47'33"  | 04°29'53"  | -00°01'31" | 31.039 |
| 23/06/2011 00:00:00 | ♃ | 23°23'39" ♃ | -23°16'21"  | 00°00'00"  | -00°00'10" | 0.002  |
| 23/06/2011 00:00:00 | ♃ | 05°23'16" ♃ | -03°56'39"  | 06°00'11"  | -00°00'48" | 16.328 |
| 23/06/2011 00:00:00 | ♃ | 10°15'33" ♃ | 08°35'00"   | 04°55'07"  | 00°06'42"  | 0.003  |
| 23/06/2011 00:00:00 | ♃ | 23°23'39" ♃ | -23°16'21"  | 00°00'00"  | -00°00'10" | 0.002  |
| 23/06/2011 00:00:00 | ♃ | 11°08'53" ♃ | 09°02'01"   | 05°01'39"  | -01°14'53" | 0.003  |
| 23/06/2011 00:00:00 | X | 22°25'54" ♃ | -03°40'37"  | -13°20'50" | 00°00'16"  | 96.947 |
| 23/06/2011 00:00:00 | Y | 22°47'35" ♃ | 07°01'26"   | -11°48'39" | 00°00'37"  | 87.933 |
| 24/06/2011 00:00:00 | ♃ | 02°10'31" ♃ | 23°25'10"   | 00°00'00"  | 00°57'14"  | 1.016  |
| 24/06/2011 00:00:00 | ♃ | 07°43'56" ♃ | 07°45'49"   | 05°06'51"  | 11°52'53"  | 0.003  |
| 24/06/2011 00:00:00 | ♀ | 14°57'44" ♃ | 24°29'48" ♁ | 01°54'39"  | 01°58'13"  | 1.250  |
| 24/06/2011 00:00:00 | ♀ | 17°33'25" ♃ | 22°21'01"   | -00°30'24" | 01°13'15"  | 1.658  |

Ephemerides year 2011

|                     |   |             |             |            |            |        |
|---------------------|---|-------------|-------------|------------|------------|--------|
| 24/06/2011 00:00:00 | ♂ | 02°03'28" ♀ | 20°24'18"   | -00°10'11" | 00°42'45"  | 2.240  |
| 24/06/2011 00:00:00 | ♃ | 03°43'46" ♂ | 11°39'55"   | -01°09'45" | 00°10'37"  | 5.407  |
| 24/06/2011 00:00:00 | ♅ | 10°32'31" ♁ | -01°51'16"  | 02°31'11"  | 00°01'04"  | 9.437  |
| 24/06/2011 00:00:00 | ♁ | 04°27'38" ♀ | 01°05'49"   | -00°44'09" | 00°00'46"  | 20.099 |
| 24/06/2011 00:00:00 | ♃ | 00°48'49" ♃ | -11°40'59"  | -00°32'01" | -00°00'38" | 29.467 |
| 24/06/2011 00:00:00 | ♁ | 06°18'36" ♃ | -18°47'42"  | 04°29'48"  | -00°01'31" | 31.039 |
| 24/06/2011 00:00:00 | ♁ | 23°23'39" ♂ | -23°16'21"  | 00°00'00"  | 00°00'11"  | 0.002  |
| 24/06/2011 00:00:00 | ♃ | 05°22'25" ♃ | -03°56'41"  | 06°00'28"  | -00°00'52" | 16.314 |
| 24/06/2011 00:00:00 | ♁ | 10°22'16" ♀ | 08°37'24"   | 04°54'51"  | 00°06'42"  | 0.003  |
| 24/06/2011 00:00:00 | ♁ | 23°23'39" ♂ | -23°16'21"  | 00°00'00"  | 00°00'11"  | 0.002  |
| 24/06/2011 00:00:00 | ♁ | 10°00'17" ♀ | 08°36'41"   | 05°03'31"  | -01°05'25" | 0.003  |
| 24/06/2011 00:00:00 | X | 22°26'09" ♀ | -03°40'37"  | -13°20'56" | 00°00'15"  | 96.932 |
| 24/06/2011 00:00:00 | Y | 22°48'12" ♂ | 07°01'30"   | -11°48'44" | 00°00'37"  | 87.922 |
| 25/06/2011 00:00:00 | ♁ | 03°07'45" ♁ | 23°24'01"   | 00°00'00"  | 00°57'14"  | 1.016  |
| 25/06/2011 00:00:00 | ♁ | 19°37'02" ♀ | 12°03'18"   | 04°44'14"  | 11°54'04"  | 0.003  |
| 25/06/2011 00:00:00 | ♁ | 16°54'57" ♁ | 24°16'56" ○ | 01°55'51"  | 01°56'11"  | 1.237  |
| 25/06/2011 00:00:00 | ♀ | 18°46'42" ♀ | 22°29'53"   | -00°28'00" | 01°13'16"  | 1.661  |
| 25/06/2011 00:00:00 | ♂ | 02°46'13" ♀ | 20°33'23"   | -00°09'29" | 00°42'42"  | 2.238  |
| 25/06/2011 00:00:00 | ♃ | 03°54'20" ♂ | 11°43'20"   | -01°09'54" | 00°10'31"  | 5.394  |

Ephemerides year 2011

|                     |    |             |             |            |            |        |
|---------------------|----|-------------|-------------|------------|------------|--------|
| 25/06/2011 00:00:00 | ♃  | 10°33'39" ♁ | -01°51'56"  | 02°30'56"  | 00°01'10"  | 9.453  |
| 25/06/2011 00:00:00 | ♅  | 04°28'23" ♀ | 01°06'05"   | -00°44'11" | 00°00'43"  | 20.082 |
| 25/06/2011 00:00:00 | ♆  | 00°48'09" ♃ | -11°41'15"  | -00°32'03" | -00°00'40" | 29.453 |
| 25/06/2011 00:00:00 | ♁  | 06°17'05" ♁ | -18°47'52"  | 04°29'42"  | -00°01'31" | 31.038 |
| 25/06/2011 00:00:00 | ♄  | 23°24'04" ♀ | -23°16'22"  | 00°00'00"  | 00°00'36"  | 0.002  |
| 25/06/2011 00:00:00 | ♃  | 05°21'31" ♃ | -03°56'45"  | 06°00'45"  | -00°00'55" | 16.301 |
| 25/06/2011 00:00:00 | ♁  | 10°28'59" ♀ | 08°39'48"   | 04°54'35"  | 00°06'42"  | 0.003  |
| 25/06/2011 00:00:00 | T♄ | 23°24'04" ♀ | -23°16'22"  | 00°00'00"  | 00°00'36"  | 0.002  |
| 25/06/2011 00:00:00 | T♁ | 08°51'44" ♀ | 08°11'11"   | 05°05'15"  | -01°14'40" | 0.003  |
| 25/06/2011 00:00:00 | X  | 22°26'25" ♀ | -03°40'37"  | -13°21'01" | 00°00'14"  | 96.916 |
| 25/06/2011 00:00:00 | Y  | 22°48'49" ♂ | 07°01'34"   | -11°48'49" | 00°00'36"  | 87.910 |
| 26/06/2011 00:00:00 | ♁  | 04°04'59" ♃ | 23°22'27"   | 00°00'00"  | 00°57'14"  | 1.017  |
| 26/06/2011 00:00:00 | ♂  | 01°33'34" ♂ | 15°54'28"   | 04°09'15"  | 11°59'43"  | 0.003  |
| 26/06/2011 00:00:00 | ♆  | 18°50'06" ♃ | 24°02'00" ♁ | 01°56'19"  | 01°54'06"  | 1.224  |
| 26/06/2011 00:00:00 | ♀  | 19°59'59" ♀ | 22°38'06"   | -00°25'35" | 01°13'17"  | 1.664  |
| 26/06/2011 00:00:00 | ♂  | 03°28'53" ♀ | 20°42'16"   | -00°08'47" | 00°42'38"  | 2.236  |
| 26/06/2011 00:00:00 | ♃  | 04°04'48" ♂ | 11°46'44"   | -01°10'03" | 00°10'24"  | 5.381  |
| 26/06/2011 00:00:00 | ♃  | 10°34'53" ♁ | -01°52'38"  | 02°30'42"  | 00°01'16"  | 9.470  |
| 26/06/2011 00:00:00 | ♅  | 04°29'05" ♀ | 01°06'20"   | -00°44'13" | 00°00'40"  | 20.065 |



Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 26/06/2011 00:00:00 | ♁  | 00°47'27" ♏ | -11°41'31" | -00°32'05" | -00°00'42" | 29.438 |
| 26/06/2011 00:00:00 | ♁  | 06°15'33" ♏ | -18°48'02" | 04°29'36"  | -00°01'31" | 31.038 |
| 26/06/2011 00:00:00 | ♁  | 23°24'50" ♏ | -23°16'24" | 00°00'00"  | 00°00'56"  | 0.003  |
| 26/06/2011 00:00:00 | ♁  | 05°20'34" ♏ | -03°56'50" | 06°01'02"  | -00°00'58" | 16.287 |
| 26/06/2011 00:00:00 | ♁  | 10°35'42" ♏ | 08°42'13"  | 04°54'19"  | 00°06'43"  | 0.003  |
| 26/06/2011 00:00:00 | T♁ | 23°24'50" ♏ | -23°16'24" | 00°00'00"  | 00°00'56"  | 0.003  |
| 26/06/2011 00:00:00 | T♁ | 07°25'43" ♏ | 07°38'57"  | 05°07'14"  | -01°39'24" | 0.003  |
| 26/06/2011 00:00:00 | X  | 22°26'39" ♏ | -03°40'37" | -13°21'07" | 00°00'14"  | 96.900 |
| 26/06/2011 00:00:00 | Y  | 22°49'26" ♏ | 07°01'38"  | -11°48'54" | 00°00'36"  | 87.899 |
| 27/06/2011 00:00:00 | ♁  | 05°02'13" ♏ | 23°20'29"  | 00°00'00"  | 00°57'14"  | 1.017  |
| 27/06/2011 00:00:00 | ♁  | 13°37'51" ♏ | 19°09'13"  | 03°22'56"  | 12°09'28"  | 0.003  |
| 27/06/2011 00:00:00 | ♁  | 20°43'09" ♏ | 23°45'08"  | 01°56'04"  | 01°52'00"  | 1.211  |
| 27/06/2011 00:00:00 | ♁  | 21°13'17" ♏ | 22°45'40"  | -00°23'10" | 01°13'18"  | 1.667  |
| 27/06/2011 00:00:00 | ♁  | 04°11'30" ♏ | 20°50'57"  | -00°08'05" | 00°42'35"  | 2.233  |
| 27/06/2011 00:00:00 | ♁  | 04°15'10" ♏ | 11°50'04"  | -01°10'12" | 00°10'18"  | 5.367  |
| 27/06/2011 00:00:00 | ♁  | 10°36'13" ♏ | -01°53'23" | 02°30'27"  | 00°01'22"  | 9.486  |
| 27/06/2011 00:00:00 | ♁  | 04°29'44" ♏ | 01°06'34"  | -00°44'15" | 00°00'37"  | 20.048 |
| 27/06/2011 00:00:00 | ♁  | 00°46'44" ♏ | -11°41'48" | -00°32'06" | -00°00'44" | 29.424 |
| 27/06/2011 00:00:00 | ♁  | 06°14'01" ♏ | -18°48'12" | 04°29'30"  | -00°01'31" | 31.038 |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 27/06/2011 00:00:00 | ♏ | 23°25'52" ♀ | -23°16'27" | 00°00'00"  | 00°01'06"  | 0.003  |
| 27/06/2011 00:00:00 | ♋ | 05°19'33" ♀ | -03°56'57" | 06°01'18"  | -00°01'02" | 16.274 |
| 27/06/2011 00:00:00 | ♌ | 10°42'25" ♀ | 08°44'37"  | 04°54'03"  | 00°06'43"  | 0.003  |
| 27/06/2011 00:00:00 | ♏ | 23°25'52" ♀ | -23°16'27" | 00°00'00"  | 00°01'06"  | 0.003  |
| 27/06/2011 00:00:00 | ♌ | 05°30'36" ♀ | 06°55'23"  | 05°09'32"  | -02°10'55" | 0.003  |
| 27/06/2011 00:00:00 | X | 22°26'53" ♀ | -03°40'38" | -13°21'13" | 00°00'13"  | 96.884 |
| 27/06/2011 00:00:00 | Y | 22°50'03" ♂ | 07°01'41"  | -11°48'59" | 00°00'36"  | 87.887 |
| 28/06/2011 00:00:00 | ♏ | 05°59'28" ♀ | 23°18'06"  | -00°00'00" | 00°57'14"  | 1.017  |
| 28/06/2011 00:00:00 | ♎ | 25°53'42" ♂ | 21°36'10"  | 02°26'40"  | 12°22'43"  | 0.003  |
| 28/06/2011 00:00:00 | ♌ | 22°34'05" ♀ | 23°26'27"  | 01°55'08"  | 01°49'52"  | 1.197  |
| 28/06/2011 00:00:00 | ♌ | 22°26'37" ♀ | 22°52'36"  | -00°20'44" | 01°13'19"  | 1.669  |
| 28/06/2011 00:00:00 | ♌ | 04°54'04" ♀ | 20°59'26"  | -00°07'23" | 00°42'31"  | 2.231  |
| 28/06/2011 00:00:00 | ♌ | 04°25'25" ♂ | 11°53'22"  | -01°10'20" | 00°10'12"  | 5.354  |
| 28/06/2011 00:00:00 | ♌ | 10°37'39" ♀ | -01°54'10" | 02°30'12"  | 00°01'28"  | 9.503  |
| 28/06/2011 00:00:00 | ♌ | 04°30'21" ♀ | 01°06'46"  | -00°44'17" | 00°00'35"  | 20.032 |
| 28/06/2011 00:00:00 | ♌ | 00°45'59" ♀ | -11°42'05" | -00°32'08" | -00°00'45" | 29.410 |
| 28/06/2011 00:00:00 | ♌ | 06°12'30" ♀ | -18°48'22" | 04°29'24"  | -00°01'31" | 31.038 |
| 28/06/2011 00:00:00 | ♏ | 23°26'58" ♀ | -23°16'30" | 00°00'00"  | 00°01'02"  | 0.003  |
| 28/06/2011 00:00:00 | ♋ | 05°18'30" ♀ | -03°57'04" | 06°01'34"  | -00°01'05" | 16.260 |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 28/06/2011 00:00:00 | ☾ | 10°49'08" ♀ | 08°47'00"  | 04°53'47"  | 00°06'43"  | 0.003  |
| 28/06/2011 00:00:00 | ♄ | 23°26'58" ♂ | -23°16'30" | 00°00'00"  | 00°01'02"  | 0.003  |
| 28/06/2011 00:00:00 | ♃ | 03°06'20" ♀ | 06°00'12"  | 05°11'54"  | -02°35'01" | 0.003  |
| 28/06/2011 00:00:00 | X | 22°27'07" ♀ | -03°40'38" | -13°21'19" | 00°00'13"  | 96.869 |
| 28/06/2011 00:00:00 | Y | 22°50'39" ♂ | 07°01'44"  | -11°49'05" | 00°00'35"  | 87.875 |
| 29/06/2011 00:00:00 | ☉ | 06°56'42" ♀ | 23°15'18"  | -00°00'00" | 00°57'14"  | 1.017  |
| 29/06/2011 00:00:00 | ☾ | 08°24'12" ♀ | 23°03'36"  | 01°22'22"  | 12°38'38"  | 0.003  |
| 29/06/2011 00:00:00 | ♃ | 24°22'53" ♀ | 23°06'06"  | 01°53'31"  | 01°47'43"  | 1.182  |
| 29/06/2011 00:00:00 | ♀ | 23°39'57" ♀ | 22°58'52"  | -00°18'17" | 01°13'20"  | 1.672  |
| 29/06/2011 00:00:00 | ♂ | 05°36'33" ♀ | 21°07'42"  | -00°06'41" | 00°42'28"  | 2.229  |
| 29/06/2011 00:00:00 | ♃ | 04°35'34" ♂ | 11°56'38"  | -01°10'30" | 00°10'05"  | 5.341  |
| 29/06/2011 00:00:00 | ♃ | 10°39'10" ♀ | -01°55'00" | 02°29'57"  | 00°01'34"  | 9.519  |
| 29/06/2011 00:00:00 | ♃ | 04°30'54" ♀ | 01°06'58"  | -00°44'19" | 00°00'32"  | 20.015 |
| 29/06/2011 00:00:00 | ♃ | 00°45'13" ♀ | -11°42'23" | -00°32'09" | -00°00'47" | 29.397 |
| 29/06/2011 00:00:00 | ♃ | 06°10'58" ♂ | -18°48'32" | 04°29'18"  | -00°01'31" | 31.039 |
| 29/06/2011 00:00:00 | ♄ | 23°27'52" ♂ | -23°16'33" | 00°00'00"  | 00°00'42"  | 0.003  |
| 29/06/2011 00:00:00 | ♃ | 05°17'23" ♀ | -03°57'13" | 06°01'51"  | -00°01'08" | 16.247 |
| 29/06/2011 00:00:00 | ☾ | 10°55'51" ♀ | 08°49'24"  | 04°53'31"  | 00°06'43"  | 0.003  |
| 29/06/2011 00:00:00 | ♄ | 23°27'52" ♂ | -23°16'33" | 00°00'00"  | 00°00'42"  | 0.003  |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 29/06/2011 00:00:00 | T♄ | 00°28'24" ♏ | 04°59'08"  | 05°13'48"  | -02°35'50" | 0.003  |
| 29/06/2011 00:00:00 | X  | 22°27'20" ♏ | -03°40'39" | -13°21'26" | 00°00'12"  | 96.853 |
| 29/06/2011 00:00:00 | Y  | 22°51'14" ♏ | 07°01'47"  | -11°49'10" | 00°00'35"  | 87.863 |
| 30/06/2011 00:00:00 | ☉  | 07°53'56" ♋ | 23°12'06"  | -00°00'00" | 00°57'14"  | 1.017  |
| 30/06/2011 00:00:00 | ☾  | 21°11'31" ♋ | 23°21'15"  | 00°12'36"  | 12°56'11"  | 0.003  |
| 30/06/2011 00:00:00 | ♀  | 26°09'32" ♋ | 22°44'13"  | 01°51'13"  | 01°45'33"  | 1.168  |
| 30/06/2011 00:00:00 | ♁  | 24°53'18" ♋ | 23°04'28"  | -00°15'51" | 01°13'21"  | 1.675  |
| 30/06/2011 00:00:00 | ♂  | 06°19'00" ♋ | 21°15'46"  | -00°05'58" | 00°42'24"  | 2.226  |
| 30/06/2011 00:00:00 | ♃  | 04°45'36" ♏ | 11°59'50"  | -01°10'39" | 00°09'58"  | 5.327  |
| 30/06/2011 00:00:00 | ♅  | 10°40'48" ♋ | -01°55'52" | 02°29'42"  | 00°01'40"  | 9.536  |
| 30/06/2011 00:00:00 | ♁  | 04°31'25" ♏ | 01°07'08"  | -00°44'21" | 00°00'29"  | 19.998 |
| 30/06/2011 00:00:00 | ♃  | 00°44'25" ♋ | -11°42'42" | -00°32'11" | -00°00'48" | 29.383 |
| 30/06/2011 00:00:00 | ♁  | 06°09'26" ♋ | -18°48'43" | 04°29'12"  | -00°01'31" | 31.039 |
| 30/06/2011 00:00:00 | ♁  | 23°28'18" ♋ | -23°16'34" | 00°00'00"  | 00°00'07"  | 0.003  |
| 30/06/2011 00:00:00 | ♃  | 05°16'12" ♋ | -03°57'24" | 06°02'07"  | -00°01'11" | 16.234 |
| 30/06/2011 00:00:00 | ♁  | 11°02'34" ♏ | 08°51'48"  | 04°53'14"  | 00°06'43"  | 0.003  |
| 30/06/2011 00:00:00 | T♄ | 23°28'18" ♋ | -23°16'34" | 00°00'00"  | 00°00'07"  | 0.003  |
| 30/06/2011 00:00:00 | T♄ | 28°05'31" ♋ | 04°03'21"  | 05°14'52"  | -02°04'33" | 0.003  |
| 30/06/2011 00:00:00 | X  | 22°27'32" ♏ | -03°40'41" | -13°21'32" | 00°00'12"  | 96.836 |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 30/06/2011 00:00:00 | Y  | 22°51'49" ♃ | 07°01'50"  | -11°49'16" | 00°00'34"  | 87.850 |
| 01/07/2011 00:00:00 | ☉  | 08°51'10" ♉ | 23°08'29"  | -00°00'00" | 00°57'13"  | 1.017  |
| 01/07/2011 00:00:00 | ☾  | 04°16'42" ♉ | 22°22'45"  | -00°59'21" | 13°14'10"  | 0.003  |
| 01/07/2011 00:00:00 | ♀  | 27°54'00" ♉ | 22°20'54"  | 01°48'18"  | 01°43'23"  | 1.153  |
| 01/07/2011 00:00:00 | ♀  | 26°06'41" ♉ | 23°09'24"  | -00°13'23" | 01°13'22"  | 1.677  |
| 01/07/2011 00:00:00 | ♂  | 07°01'22" ♉ | 21°23'38"  | -00°05'16" | 00°42'20"  | 2.224  |
| 01/07/2011 00:00:00 | ♃  | 04°55'31" ♃ | 12°03'00"  | -01°10'48" | 00°09'51"  | 5.313  |
| 01/07/2011 00:00:00 | ♅  | 10°42'32" ♄ | -01°56'46" | 02°29'28"  | 00°01'46"  | 9.552  |
| 01/07/2011 00:00:00 | ♁  | 04°31'53" ♀ | 01°07'17"  | -00°44'23" | 00°00'26"  | 19.981 |
| 01/07/2011 00:00:00 | ♃  | 00°43'35" ♃ | -11°43'01" | -00°32'12" | -00°00'50" | 29.370 |
| 01/07/2011 00:00:00 | ♁  | 06°07'55" ♁ | -18°48'53" | 04°29'05"  | -00°01'31" | 31.041 |
| 01/07/2011 00:00:00 | ♁  | 23°28'04" ♁ | -23°16'34" | 00°00'00"  | -00°00'37" | 0.003  |
| 01/07/2011 00:00:00 | ♃  | 05°14'59" ♃ | -03°57'36" | 06°02'22"  | -00°01'15" | 16.222 |
| 01/07/2011 00:00:00 | ♁  | 11°09'18" ♀ | 08°54'11"  | 04°52'57"  | 00°06'43"  | 0.003  |
| 01/07/2011 00:00:00 | T♁ | 23°28'04" ♁ | -23°16'34" | 00°00'00"  | -00°00'37" | 0.003  |
| 01/07/2011 00:00:00 | T♃ | 26°28'29" ♃ | 03°25'09"  | 05°15'09"  | -01°06'05" | 0.003  |
| 01/07/2011 00:00:00 | X  | 22°27'44" ♀ | -03°40'42" | -13°21'38" | 00°00'11"  | 96.820 |
| 01/07/2011 00:00:00 | Y  | 22°52'24" ♃ | 07°01'53"  | -11°49'22" | 00°00'34"  | 87.837 |
| 02/07/2011 00:00:00 | ☉  | 09°48'24" ♉ | 23°04'28"  | -00°00'00" | 00°57'13"  | 1.017  |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 02/07/2011 00:00:00 | ♃ | 17°39'36" ♉ | 20°07'48"  | -02°09'35" | 13°31'22"  | 0.003  |
| 02/07/2011 00:00:00 | ♆ | 29°36'19" ♉ | 21°56'18"  | 01°44'44"  | 01°41'13"  | 1.138  |
| 02/07/2011 00:00:00 | ♀ | 27°20'04" ♋ | 23°13'41"  | -00°10'56" | 01°13'23"  | 1.679  |
| 02/07/2011 00:00:00 | ♂ | 07°43'41" ♋ | 21°31'18"  | -00°04'33" | 00°42'16"  | 2.221  |
| 02/07/2011 00:00:00 | ♂ | 05°05'20" ♌ | 12°06'07"  | -01°10'57" | 00°09'44"  | 5.300  |
| 02/07/2011 00:00:00 | ♄ | 10°44'21" ♌ | -01°57'42" | 02°29'13"  | 00°01'52"  | 9.569  |
| 02/07/2011 00:00:00 | ♃ | 04°32'18" ♋ | 01°07'25"  | -00°44'26" | 00°00'23"  | 19.965 |
| 02/07/2011 00:00:00 | ♆ | 00°42'44" ♋ | -11°43'20" | -00°32'14" | -00°00'52" | 29.357 |
| 02/07/2011 00:00:00 | ♃ | 06°06'23" ♌ | -18°49'04" | 04°28'59"  | -00°01'31" | 31.042 |
| 02/07/2011 00:00:00 | ♁ | 23°27'02" ♌ | -23°16'31" | 00°00'00"  | -00°01'24" | 0.003  |
| 02/07/2011 00:00:00 | ♃ | 05°13'42" ♋ | -03°57'49" | 06°02'38"  | -00°01'18" | 16.209 |
| 02/07/2011 00:00:00 | ♁ | 11°16'01" ♋ | 08°56'34"  | 04°52'41"  | 00°06'43"  | 0.003  |
| 02/07/2011 00:00:00 | ♁ | 23°27'02" ♌ | -23°16'31" | 00°00'00"  | -00°01'24" | 0.003  |
| 02/07/2011 00:00:00 | ♁ | 25°57'12" ♋ | 03°12'37"  | 05°15'00"  | 00°03'55"  | 0.003  |
| 02/07/2011 00:00:00 | X | 22°27'56" ♋ | -03°40'44" | -13°21'44" | 00°00'10"  | 96.804 |
| 02/07/2011 00:00:00 | Y | 22°52'58" ♌ | 07°01'55"  | -11°49'28" | 00°00'33"  | 87.825 |
| 03/07/2011 00:00:00 | ♁ | 10°45'37" ♉ | 23°00'03"  | -00°00'00" | 00°57'13"  | 1.017  |
| 03/07/2011 00:00:00 | ♃ | 01°18'48" ♌ | 16°42'44"  | -03°13'49" | 13°46'37"  | 0.003  |
| 03/07/2011 00:00:00 | ♆ | 01°16'27" ♌ | 21°30'31"  | 01°40'34"  | 01°39'02"  | 1.122  |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 03/07/2011 00:00:00 | ♀  | 28°33'28" ♀ | 23°17'16"  | -00°08'29" | 01°13'24"  | 1.682  |
| 03/07/2011 00:00:00 | ♂  | 08°25'56" ♀ | 21°38'45"  | -00°03'51" | 00°42'13"  | 2.219  |
| 03/07/2011 00:00:00 | ♃  | 05°15'01" ♂ | 12°09'12"  | -01°11'07" | 00°09'37"  | 5.286  |
| 03/07/2011 00:00:00 | ♄  | 10°46'16" ♁ | -01°58'40" | 02°28'58"  | 00°01'58"  | 9.586  |
| 03/07/2011 00:00:00 | ♅  | 04°32'40" ♀ | 01°07'32"  | -00°44'28" | 00°00'20"  | 19.948 |
| 03/07/2011 00:00:00 | ♆  | 00°41'50" ♃ | -11°43'41" | -00°32'15" | -00°00'53" | 29.344 |
| 03/07/2011 00:00:00 | ♁  | 06°04'52" ♂ | -18°49'15" | 04°28'52"  | -00°01'31" | 31.044 |
| 03/07/2011 00:00:00 | ♁  | 23°25'17" ♂ | -23°16'25" | 00°00'00"  | -00°02'04" | 0.003  |
| 03/07/2011 00:00:00 | ♃  | 05°12'22" ♃ | -03°58'03" | 06°02'53"  | -00°01'21" | 16.196 |
| 03/07/2011 00:00:00 | ♁  | 11°22'44" ♀ | 08°58'57"  | 04°52'24"  | 00°06'43"  | 0.003  |
| 03/07/2011 00:00:00 | T♁ | 23°25'17" ♂ | -23°16'25" | 00°00'00"  | -00°02'04" | 0.003  |
| 03/07/2011 00:00:00 | T♃ | 26°34'20" ♃ | 03°26'55"  | 05°14'33"  | 01°08'08"  | 0.003  |
| 03/07/2011 00:00:00 | X  | 22°28'06" ♀ | -03°40'46" | -13°21'50" | 00°00'10"  | 96.788 |
| 03/07/2011 00:00:00 | Y  | 22°53'32" ♂ | 07°01'57"  | -11°49'34" | 00°00'33"  | 87.812 |
| 04/07/2011 00:00:00 | ♁  | 11°42'51" ♃ | 22°55'14"  | -00°00'00" | 00°57'13"  | 1.017  |
| 04/07/2011 00:00:00 | ♂  | 15°11'54" ♂ | 12°19'36"  | -04°07'43" | 13°59'01"  | 0.002  |
| 04/07/2011 00:00:00 | ♁  | 02°54'24" ♂ | 21°03'41"  | 01°35'49"  | 01°36'51"  | 1.107  |
| 04/07/2011 00:00:00 | ♀  | 29°46'53" ♀ | 23°20'12"  | -00°06'01" | 01°13'25"  | 1.684  |
| 04/07/2011 00:00:00 | ♂  | 09°08'07" ♀ | 21°45'59"  | -00°03'08" | 00°42'09"  | 2.216  |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 04/07/2011 00:00:00 | ♃  | 05°24'35" ♂ | 12°12'13"  | -01°11'17" | 00°09'30"  | 5.272  |
| 04/07/2011 00:00:00 | ♅  | 10°48'17" ♀ | -01°59'41" | 02°28'44"  | 00°02'03"  | 9.602  |
| 04/07/2011 00:00:00 | ♁  | 04°32'59" ♀ | 01°07'37"  | -00°44'30" | 00°00'17"  | 19.931 |
| 04/07/2011 00:00:00 | ♆  | 00°40'56" ♀ | -11°44'02" | -00°32'17" | -00°00'55" | 29.331 |
| 04/07/2011 00:00:00 | ♄  | 06°03'20" ♂ | -18°49'26" | 04°28'45"  | -00°01'31" | 31.046 |
| 04/07/2011 00:00:00 | ♁  | 23°22'59" ♂ | -23°16'19" | 00°00'00"  | -00°02'27" | 0.003  |
| 04/07/2011 00:00:00 | ♆  | 05°10'59" ♀ | -03°58'19" | 06°03'08"  | -00°01'24" | 16.184 |
| 04/07/2011 00:00:00 | ♁  | 11°29'27" ♀ | 09°01'20"  | 04°52'06"  | 00°06'42"  | 0.003  |
| 04/07/2011 00:00:00 | T♁ | 23°22'59" ♂ | -23°16'19" | 00°00'00"  | -00°02'27" | 0.003  |
| 04/07/2011 00:00:00 | T♆ | 28°07'13" ♀ | 04°03'00"  | 05°13'45"  | 01°53'49"  | 0.003  |
| 04/07/2011 00:00:00 | X  | 22°28'16" ♀ | -03°40'48" | -13°21'57" | 00°00'09"  | 96.772 |
| 04/07/2011 00:00:00 | Y  | 22°54'05" ♂ | 07°01'59"  | -11°49'40" | 00°00'32"  | 87.798 |
| 05/07/2011 00:00:00 | ♁  | 12°40'04" ♀ | 22°50'01"  | -00°00'00" | 00°57'12"  | 1.017  |
| 05/07/2011 00:00:00 | ♃  | 29°15'41" ♂ | 07°14'10"  | -04°47'25" | 14°07'58"  | 0.002  |
| 05/07/2011 00:00:00 | ♁  | 04°30'10" ♂ | 20°35'54"  | 01°30'29"  | 01°34'39"  | 1.091  |
| 05/07/2011 00:00:00 | ♁  | 01°00'19" ♀ | 23°22'26"  | -00°03'34" | 01°13'26"  | 1.686  |
| 05/07/2011 00:00:00 | ♂  | 09°50'15" ♀ | 21°53'01"  | -00°02'25" | 00°42'05"  | 2.214  |
| 05/07/2011 00:00:00 | ♃  | 05°34'02" ♂ | 12°15'12"  | -01°11'26" | 00°09'23"  | 5.258  |
| 05/07/2011 00:00:00 | ♅  | 10°50'24" ♀ | -02°00'44" | 02°28'29"  | 00°02'09"  | 9.619  |



Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 05/07/2011 00:00:00 | ♃ | 04°33'15" ♀ | 01°07'42"  | -00°44'32" | 00°00'14"  | 19.915 |
| 05/07/2011 00:00:00 | ♃ | 00°39'59" ♀ | -11°44'23" | -00°32'18" | -00°00'57" | 29.318 |
| 05/07/2011 00:00:00 | ♃ | 06°01'49" ♀ | -18°49'37" | 04°28'38"  | -00°01'31" | 31.048 |
| 05/07/2011 00:00:00 | ♃ | 23°20'30" ♀ | -23°16'11" | 00°00'00"  | -00°02'26" | 0.003  |
| 05/07/2011 00:00:00 | ♃ | 05°09'33" ♀ | -03°58'36" | 06°03'23"  | -00°01'27" | 16.172 |
| 05/07/2011 00:00:00 | ♃ | 11°36'10" ♀ | 09°03'42"  | 04°51'49"  | 00°06'42"  | 0.003  |
| 05/07/2011 00:00:00 | ♃ | 23°20'30" ♀ | -23°16'11" | 00°00'00"  | -00°02'26" | 0.003  |
| 05/07/2011 00:00:00 | ♃ | 00°13'46" ♀ | 04°52'03"  | 05°12'25"  | 02°15'10"  | 0.003  |
| 05/07/2011 00:00:00 | X | 22°28'25" ♀ | -03°40'51" | -13°22'03" | 00°00'08"  | 96.755 |
| 05/07/2011 00:00:00 | Y | 22°54'38" ♀ | 07°02'01"  | -11°49'46" | 00°00'32"  | 87.785 |
| 06/07/2011 00:00:00 | ♃ | 13°37'17" ♀ | 22°44'25"  | -00°00'00" | 00°57'12"  | 1.017  |
| 06/07/2011 00:00:00 | ♃ | 13°26'38" ♀ | 01°44'01"  | -05°09'59" | 14°13'19"  | 0.002  |
| 06/07/2011 00:00:00 | ♃ | 06°03'44" ♀ | 20°07'17"  | 01°24'37"  | 01°32'27"  | 1.075  |
| 06/07/2011 00:00:00 | ♃ | 02°13'46" ♀ | 23°23'59"  | -00°01'07" | 01°13'27"  | 1.689  |
| 06/07/2011 00:00:00 | ♃ | 10°32'18" ♀ | 21°59'50"  | -00°01'42" | 00°42'01"  | 2.211  |
| 06/07/2011 00:00:00 | ♃ | 05°43'21" ♀ | 12°18'08"  | -01°11'36" | 00°09'15"  | 5.244  |
| 06/07/2011 00:00:00 | ♃ | 10°52'36" ♀ | -02°01'49" | 02°28'15"  | 00°02'15"  | 9.635  |
| 06/07/2011 00:00:00 | ♃ | 04°33'28" ♀ | 01°07'45"  | -00°44'34" | 00°00'11"  | 19.898 |
| 06/07/2011 00:00:00 | ♃ | 00°39'01" ♀ | -11°44'45" | -00°32'20" | -00°00'58" | 29.306 |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 06/07/2011 00:00:00 | ♁ | 06°00'18" ♀ | -18°49'49" | 04°28'30"  | -00°01'30" | 31.051 |
| 06/07/2011 00:00:00 | ♁ | 23°18'14" ♀ | -23°16'04" | 00°00'00"  | -00°02'00" | 0.003  |
| 06/07/2011 00:00:00 | ♁ | 05°08'04" ♀ | -03°58'54" | 06°03'38"  | -00°01'30" | 16.160 |
| 06/07/2011 00:00:00 | ♁ | 11°42'53" ♀ | 09°06'05"  | 04°51'32"  | 00°06'42"  | 0.003  |
| 06/07/2011 00:00:00 | ♁ | 23°18'14" ♀ | -23°16'04" | 00°00'00"  | -00°02'00" | 0.003  |
| 06/07/2011 00:00:00 | ♁ | 02°30'21" ♀ | 05°44'41"  | 05°10'35"  | 02°15'16"  | 0.003  |
| 06/07/2011 00:00:00 | X | 22°28'34" ♀ | -03°40'53" | -13°22'09" | 00°00'08"  | 96.739 |
| 06/07/2011 00:00:00 | Y | 22°55'10" ♀ | 07°02'02"  | -11°49'52" | 00°00'31"  | 87.772 |
| 07/07/2011 00:00:00 | ♁ | 14°34'29" ♀ | 22°38'24"  | -00°00'00" | 00°57'12"  | 1.017  |
| 07/07/2011 00:00:00 | ♁ | 27°41'13" ♀ | -03°52'37" | -05°13'41" | 14°15'17"  | 0.002  |
| 07/07/2011 00:00:00 | ♁ | 07°35'05" ♀ | 19°37'56"  | 01°18'12"  | 01°30'14"  | 1.059  |
| 07/07/2011 00:00:00 | ♁ | 03°27'13" ♀ | 23°24'51"  | 00°01'19"  | 01°13'27"  | 1.691  |
| 07/07/2011 00:00:00 | ♁ | 11°14'18" ♀ | 22°06'27"  | -00°00'59" | 00°41'57"  | 2.208  |
| 07/07/2011 00:00:00 | ♁ | 05°52'34" ♀ | 12°21'00"  | -01°11'46" | 00°09'08"  | 5.230  |
| 07/07/2011 00:00:00 | ♁ | 10°54'54" ♀ | -02°02'56" | 02°28'00"  | 00°02'20"  | 9.652  |
| 07/07/2011 00:00:00 | ♁ | 04°33'38" ♀ | 01°07'47"  | -00°44'36" | 00°00'08"  | 19.882 |
| 07/07/2011 00:00:00 | ♁ | 00°38'02" ♀ | -11°45'07" | -00°32'21" | -00°01'00" | 29.294 |
| 07/07/2011 00:00:00 | ♁ | 05°58'48" ♀ | -18°50'00" | 04°28'23"  | -00°01'30" | 31.054 |
| 07/07/2011 00:00:00 | ♁ | 23°16'36" ♀ | -23°15'59" | 00°00'00"  | -00°01'13" | 0.003  |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 07/07/2011 00:00:00 | ♁ | 05°06'32" ♋ | -03°59'14" | 06°03'53"  | -00°01'33" | 16.148 |
| 07/07/2011 00:00:00 | ♁ | 11°49'35" ♋ | 09°08'27"  | 04°51'14"  | 00°06'42"  | 0.003  |
| 07/07/2011 00:00:00 | ♁ | 23°16'36" ♋ | -23°15'59" | 00°00'00"  | -00°01'13" | 0.003  |
| 07/07/2011 00:00:00 | ♁ | 04°41'52" ♋ | 06°34'59"  | 05°08'24"  | 02°08'18"  | 0.003  |
| 07/07/2011 00:00:00 | X | 22°28'42" ♋ | -03°40'56" | -13°22'15" | 00°00'07"  | 96.722 |
| 07/07/2011 00:00:00 | Y | 22°55'41" ♋ | 07°02'04"  | -11°49'59" | 00°00'31"  | 87.758 |
| 08/07/2011 00:00:00 | ♁ | 15°31'42" ♋ | 22°32'00"  | -00°00'00" | 00°57'12"  | 1.017  |
| 08/07/2011 00:00:00 | ♁ | 11°56'14" ♋ | -09°17'24" | -04°58'08" | 14°14'18"  | 0.002  |
| 08/07/2011 00:00:00 | ♁ | 09°04'13" ♋ | 19°07'57"  | 01°11'17"  | 01°28'00"  | 1.044  |
| 08/07/2011 00:00:00 | ♁ | 04°40'42" ♋ | 23°25'02"  | 00°03'45"  | 01°13'28"  | 1.693  |
| 08/07/2011 00:00:00 | ♁ | 11°56'13" ♋ | 22°12'51"  | -00°00'15" | 00°41'53"  | 2.206  |
| 08/07/2011 00:00:00 | ♁ | 06°01'38" ♋ | 12°23'50"  | -01°11'56" | 00°09'00"  | 5.216  |
| 08/07/2011 00:00:00 | ♁ | 10°57'17" ♋ | -02°04'05" | 02°27'46"  | 00°02'26"  | 9.669  |
| 08/07/2011 00:00:00 | ♁ | 04°33'46" ♋ | 01°07'48"  | -00°44'38" | 00°00'05"  | 19.865 |
| 08/07/2011 00:00:00 | ♁ | 00°37'01" ♋ | -11°45'30" | -00°32'23" | -00°01'01" | 29.282 |
| 08/07/2011 00:00:00 | ♁ | 05°57'17" ♋ | -18°50'12" | 04°28'15"  | -00°01'30" | 31.057 |
| 08/07/2011 00:00:00 | ♁ | 23°15'51" ♋ | -23°15'57" | 00°00'00"  | -00°00'16" | 0.003  |
| 08/07/2011 00:00:00 | ♁ | 05°04'56" ♋ | -03°59'35" | 06°04'07"  | -00°01'36" | 16.137 |
| 08/07/2011 00:00:00 | ♁ | 11°56'18" ♋ | 09°10'49"  | 04°50'56"  | 00°06'42"  | 0.003  |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 08/07/2011 00:00:00 | T♄ | 23°15'51" ♄ | -23°15'57" | 00°00'00"  | -00°00'16" | 0.003  |
| 08/07/2011 00:00:00 | T♄ | 06°51'36" ♄ | 07°24'09"  | 05°05'51"  | 02°14'46"  | 0.003  |
| 08/07/2011 00:00:00 | X  | 22°28'49" ♄ | -03°41'00" | -13°22'22" | 00°00'07"  | 96.706 |
| 08/07/2011 00:00:00 | Y  | 22°56'12" ♄ | 07°02'05"  | -11°50'05" | 00°00'30"  | 87.744 |
| 09/07/2011 00:00:00 | ♁  | 16°28'54" ♁ | 22°25'13"  | -00°00'00" | 00°57'12"  | 1.017  |
| 09/07/2011 00:00:00 | ♂  | 26°09'01" ♁ | -14°11'54" | -04°24'25" | 14°10'52"  | 0.002  |
| 09/07/2011 00:00:00 | ♀  | 10°31'05" ♁ | 18°37'26"  | 01°03'51"  | 01°25'44"  | 1.028  |
| 09/07/2011 00:00:00 | ♀  | 05°54'11" ♁ | 23°24'31"  | 00°06'11"  | 01°13'29"  | 1.695  |
| 09/07/2011 00:00:00 | ♂  | 12°38'05" ♁ | 22°19'03"  | 00°00'27"  | 00°41'49"  | 2.203  |
| 09/07/2011 00:00:00 | ♂  | 06°10'35" ♁ | 12°26'38"  | -01°12'06" | 00°08'53"  | 5.201  |
| 09/07/2011 00:00:00 | ♂  | 10°59'47" ♁ | -02°05'17" | 02°27'31"  | 00°02'31"  | 9.685  |
| 09/07/2011 00:00:00 | ♂  | 04°33'50" ♁ | 01°07'48"  | -00°44'40" | 00°00'02"  | 19.849 |
| 09/07/2011 00:00:00 | ♂  | 00°35'58" ♁ | -11°45'54" | -00°32'24" | -00°01'03" | 29.270 |
| 09/07/2011 00:00:00 | ♂  | 05°55'47" ♁ | -18°50'23" | 04°28'08"  | -00°01'29" | 31.060 |
| 09/07/2011 00:00:00 | ♁  | 23°16'04" ♄ | -23°15'58" | 00°00'00"  | 00°00'39"  | 0.003  |
| 09/07/2011 00:00:00 | ♂  | 05°03'18" ♁ | -03°59'57" | 06°04'21"  | -00°01'39" | 16.125 |
| 09/07/2011 00:00:00 | ♂  | 12°03'01" ♁ | 09°13'10"  | 04°50'39"  | 00°06'42"  | 0.003  |
| 09/07/2011 00:00:00 | T♄ | 23°16'04" ♄ | -23°15'58" | 00°00'00"  | 00°00'39"  | 0.003  |
| 09/07/2011 00:00:00 | T♄ | 09°19'06" ♄ | 08°19'24"  | 05°02'24"  | 02°43'16"  | 0.003  |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 09/07/2011 00:00:00 | X  | 22°28'56" ♀ | -03°41'03" | -13°22'28" | 00°00'06"  | 96.689 |
| 09/07/2011 00:00:00 | Y  | 22°56'42" ♂ | 07°02'06"  | -11°50'12" | 00°00'30"  | 87.730 |
| 10/07/2011 00:00:00 | ☉  | 17°26'06" ♉ | 22°18'02"  | -00°00'00" | 00°57'11"  | 1.017  |
| 10/07/2011 00:00:00 | ☾  | 10°17'19" ♋ | -18°17'59" | -03°34'48" | 14°05'24"  | 0.002  |
| 10/07/2011 00:00:00 | ♁  | 11°55'42" ♈ | 18°06'28"  | 00°55'57"  | 01°23'27"  | 1.012  |
| 10/07/2011 00:00:00 | ♂  | 07°07'41" ♉ | 23°23'19"  | 00°08'36"  | 01°13'30"  | 1.697  |
| 10/07/2011 00:00:00 | ♂  | 13°19'53" ♉ | 22°25'02"  | 00°01'11"  | 00°41'46"  | 2.200  |
| 10/07/2011 00:00:00 | ♂  | 06°19'25" ♂ | 12°29'22"  | -01°12'16" | 00°08'45"  | 5.187  |
| 10/07/2011 00:00:00 | ♃  | 11°02'21" ♈ | -02°06'30" | 02°27'17"  | 00°02'37"  | 9.702  |
| 10/07/2011 00:00:00 | ♃  | 04°33'51" ♀ | 01°07'47"  | -00°44'42" | 00°00'00"  | 19.832 |
| 10/07/2011 00:00:00 | ♃  | 00°34'54" ♃ | -11°46'18" | -00°32'26" | -00°01'04" | 29.258 |
| 10/07/2011 00:00:00 | ♃  | 05°54'18" ♃ | -18°50'35" | 04°28'00"  | -00°01'29" | 31.064 |
| 10/07/2011 00:00:00 | ♃  | 23°17'04" ♃ | -23°16'01" | 00°00'00"  | 00°01'16"  | 0.003  |
| 10/07/2011 00:00:00 | ♃  | 05°01'37" ♃ | -04°00'20" | 06°04'35"  | -00°01'42" | 16.114 |
| 10/07/2011 00:00:00 | ♃  | 12°09'44" ♀ | 09°15'32"  | 04°50'21"  | 00°06'42"  | 0.003  |
| 10/07/2011 00:00:00 | T♃ | 23°17'04" ♃ | -23°16'01" | 00°00'00"  | 00°01'16"  | 0.003  |
| 10/07/2011 00:00:00 | T♃ | 12°20'29" ♀ | 09°26'13"  | 04°57'23"  | 03°18'30"  | 0.003  |
| 10/07/2011 00:00:00 | X  | 22°29'02" ♀ | -03°41'07" | -13°22'35" | 00°00'05"  | 96.673 |
| 10/07/2011 00:00:00 | Y  | 22°57'12" ♂ | 07°02'06"  | -11°50'18" | 00°00'29"  | 87.716 |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 11/07/2011 00:00:00 | ☉  | 18°23'17" ♉ | 22°10'29"  | -00°00'00" | 00°57'11"  | 1.017  |
| 11/07/2011 00:00:00 | ☾  | 24°19'14" ♎ | -21°18'54" | -02°32'40" | 13°58'07"  | 0.002  |
| 11/07/2011 00:00:00 | ♀  | 13°18'00" ♋ | 17°35'10"  | 00°47'35"  | 01°21'08"  | 0.996  |
| 11/07/2011 00:00:00 | ♀  | 08°21'12" ♉ | 23°21'26"  | 00°11'01"  | 01°13'31"  | 1.699  |
| 11/07/2011 00:00:00 | ♂  | 14°01'38" ♉ | 22°30'48"  | 00°01'54"  | 00°41'42"  | 2.197  |
| 11/07/2011 00:00:00 | ♃  | 06°28'06" ♉ | 12°32'03"  | -01°12'27" | 00°08'37"  | 5.172  |
| 11/07/2011 00:00:00 | ♄  | 11°05'02" ♉ | -02°07'46" | 02°27'03"  | 00°02'43"  | 9.718  |
| 11/07/2011 00:00:00 | ♅  | 04°33'50" ♉ | 01°07'44"  | -00°44'44" | -00°00'02" | 19.816 |
| 11/07/2011 00:00:00 | ♆  | 00°33'49" ♉ | -11°46'42" | -00°32'27" | -00°01'05" | 29.247 |
| 11/07/2011 00:00:00 | ♇  | 05°52'49" ♉ | -18°50'47" | 04°27'52"  | -00°01'28" | 31.068 |
| 11/07/2011 00:00:00 | ♈  | 23°18'28" ♉ | -23°16'05" | 00°00'00"  | 00°01'26"  | 0.003  |
| 11/07/2011 00:00:00 | ♉  | 04°59'53" ♉ | -04°00'45" | 06°04'49"  | -00°01'45" | 16.103 |
| 11/07/2011 00:00:00 | ♊  | 12°16'27" ♉ | 09°17'54"  | 04°50'02"  | 00°06'42"  | 0.003  |
| 11/07/2011 00:00:00 | T♈ | 23°18'28" ♉ | -23°16'05" | 00°00'00"  | 00°01'26"  | 0.003  |
| 11/07/2011 00:00:00 | T♉ | 15°50'07" ♉ | 10°41'42"  | 04°50'29"  | 03°36'11"  | 0.003  |
| 11/07/2011 00:00:00 | X  | 22°29'08" ♉ | -03°41'11" | -13°22'41" | 00°00'05"  | 96.656 |
| 11/07/2011 00:00:00 | Y  | 22°57'42" ♉ | 07°02'07"  | -11°50'25" | 00°00'29"  | 87.701 |
| 12/07/2011 00:00:00 | ☉  | 19°20'29" ♉ | 22°02'33"  | -00°00'00" | 00°57'11"  | 1.017  |
| 12/07/2011 00:00:00 | ☾  | 08°13'01" ♉ | -23°01'33" | -01°22'05" | 13°49'09"  | 0.003  |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 12/07/2011 00:00:00 | ♀  | 14°37'58" ♀ | 17°03'36"  | 00°38'46"  | 01°18'46"  | 0.980  |
| 12/07/2011 00:00:00 | ♀  | 09°34'45" ♀ | 23°18'51"  | 00°13'24"  | 01°13'32"  | 1.701  |
| 12/07/2011 00:00:00 | ♂  | 14°43'18" ♂ | 22°36'21"  | 00°02'38"  | 00°41'38"  | 2.194  |
| 12/07/2011 00:00:00 | ♃  | 06°36'40" ♃ | 12°34'41"  | -01°12'37" | 00°08'29"  | 5.158  |
| 12/07/2011 00:00:00 | ♅  | 11°07'47" ♅ | -02°09'03" | 02°26'49"  | 00°02'48"  | 9.735  |
| 12/07/2011 00:00:00 | ♁  | 04°33'46" ♁ | 01°07'41"  | -00°44'46" | -00°00'05" | 19.800 |
| 12/07/2011 00:00:00 | ♆  | 00°32'43" ♆ | -11°47'07" | -00°32'28" | -00°01'07" | 29.236 |
| 12/07/2011 00:00:00 | ♄  | 05°51'20" ♄ | -18°50'58" | 04°27'44"  | -00°01'28" | 31.073 |
| 12/07/2011 00:00:00 | ♁  | 23°19'45" ♁ | -23°16'09" | 00°00'00"  | 00°01'02"  | 0.003  |
| 12/07/2011 00:00:00 | ♆  | 04°58'07" ♆ | -04°01'11" | 06°05'02"  | -00°01'47" | 16.092 |
| 12/07/2011 00:00:00 | ♁  | 12°23'10" ♁ | 09°20'15"  | 04°49'44"  | 00°06'43"  | 0.003  |
| 12/07/2011 00:00:00 | T♁ | 23°19'45" ♁ | -23°16'09" | 00°00'00"  | 00°01'02"  | 0.003  |
| 12/07/2011 00:00:00 | T♆ | 19°22'18" ♆ | 11°55'55"  | 04°42'19"  | 03°22'37"  | 0.003  |
| 12/07/2011 00:00:00 | X  | 22°29'13" ♁ | -03°41'15" | -13°22'47" | 00°00'04"  | 96.640 |
| 12/07/2011 00:00:00 | Y  | 22°58'11" ♃ | 07°02'07"  | -11°50'32" | 00°00'28"  | 87.687 |
| 13/07/2011 00:00:00 | ♃  | 20°17'41" ♃ | 21°54'14"  | -00°00'00" | 00°57'11"  | 1.017  |
| 13/07/2011 00:00:00 | ♃  | 21°56'57" ♃ | -23°19'10" | -00°07'37" | 13°38'27"  | 0.003  |
| 13/07/2011 00:00:00 | ♀  | 15°55'32" ♀ | 16°31'53"  | 00°29'32"  | 01°16'21"  | 0.965  |
| 13/07/2011 00:00:00 | ♀  | 10°48'18" ♀ | 23°15'36"  | 00°15'47"  | 01°13'33"  | 1.703  |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 13/07/2011 00:00:00 | ♂ | 15°24'55" ♀ | 22°41'42"  | 00°03'22"  | 00°41'34"  | 2.192  |
| 13/07/2011 00:00:00 | ♃ | 06°45'06" ♄ | 12°37'17"  | -01°12'48" | 00°08'22"  | 5.143  |
| 13/07/2011 00:00:00 | ♅ | 11°10'39" ♁ | -02°10'23" | 02°26'35"  | 00°02'53"  | 9.751  |
| 13/07/2011 00:00:00 | ♁ | 04°33'39" ♃ | 01°07'36"  | -00°44'48" | -00°00'08" | 19.784 |
| 13/07/2011 00:00:00 | ♆ | 00°31'35" ♃ | -11°47'32" | -00°32'30" | -00°01'08" | 29.225 |
| 13/07/2011 00:00:00 | ♁ | 05°49'52" ♄ | -18°51'10" | 04°27'35"  | -00°01'27" | 31.077 |
| 13/07/2011 00:00:00 | ♁ | 23°20'22" ♄ | -23°16'11" | 00°00'00"  | 00°00'07"  | 0.003  |
| 13/07/2011 00:00:00 | ♁ | 04°56'17" ♃ | -04°01'38" | 06°05'15"  | -00°01'50" | 16.082 |
| 13/07/2011 00:00:00 | ♁ | 12°29'53" ♃ | 09°22'36"  | 04°49'26"  | 00°06'43"  | 0.003  |
| 13/07/2011 00:00:00 | ♁ | 23°20'22" ♄ | -23°16'11" | 00°00'00"  | 00°00'07"  | 0.003  |
| 13/07/2011 00:00:00 | ♁ | 22°24'52" ♃ | 12°57'45"  | 04°34'19"  | 02°37'45"  | 0.003  |
| 13/07/2011 00:00:00 | X | 22°29'17" ♃ | -03°41'20" | -13°22'54" | 00°00'04"  | 96.623 |
| 13/07/2011 00:00:00 | Y | 22°58'39" ♄ | 07°02'07"  | -11°50'38" | 00°00'28"  | 87.672 |
| 14/07/2011 00:00:00 | ♁ | 21°14'53" ♁ | 21°45'32"  | -00°00'00" | 00°57'12"  | 1.017  |
| 14/07/2011 00:00:00 | ♁ | 05°29'22" ♄ | -22°13'19" | 01°06'08"  | 13°26'06"  | 0.003  |
| 14/07/2011 00:00:00 | ♁ | 17°10'40" ♁ | 16°00'04"  | 00°19'53"  | 01°13'54"  | 0.949  |
| 14/07/2011 00:00:00 | ♀ | 12°01'52" ♁ | 23°11'39"  | 00°18'09"  | 01°13'34"  | 1.704  |
| 14/07/2011 00:00:00 | ♂ | 16°06'28" ♀ | 22°46'50"  | 00°04'06"  | 00°41'31"  | 2.189  |
| 14/07/2011 00:00:00 | ♃ | 06°53'24" ♄ | 12°39'49"  | -01°12'58" | 00°08'13"  | 5.129  |



Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 14/07/2011 00:00:00 | ♃ | 11°13'35" ♁ | -02°11'45" | 02°26'21"  | 00°02'59"  | 9.767  |
| 14/07/2011 00:00:00 | ♅ | 04°33'29" ♀ | 01°07'31"  | -00°44'50" | -00°00'11" | 19.767 |
| 14/07/2011 00:00:00 | ♆ | 00°30'25" ♃ | -11°47'58" | -00°32'31" | -00°01'09" | 29.214 |
| 14/07/2011 00:00:00 | ♁ | 05°48'24" ♁ | -18°51'23" | 04°27'27"  | -00°01'27" | 31.082 |
| 14/07/2011 00:00:00 | ♄ | 23°19'52" ♁ | -23°16'09" | 00°00'00"  | -00°01'09" | 0.003  |
| 14/07/2011 00:00:00 | ♃ | 04°54'25" ♃ | -04°02'06" | 06°05'28"  | -00°01'53" | 16.071 |
| 14/07/2011 00:00:00 | ♁ | 12°36'36" ♀ | 09°24'57"  | 04°49'07"  | 00°06'42"  | 0.003  |
| 14/07/2011 00:00:00 | ♄ | 23°19'52" ♁ | -23°16'09" | 00°00'00"  | -00°01'09" | 0.003  |
| 14/07/2011 00:00:00 | ♁ | 24°30'00" ♀ | 13°38'50"  | 04°28'11"  | 01°29'33"  | 0.003  |
| 14/07/2011 00:00:00 | X | 22°29'21" ♀ | -03°41'24" | -13°23'00" | 00°00'03"  | 96.607 |
| 14/07/2011 00:00:00 | Y | 22°59'07" ♁ | 07°02'07"  | -11°50'45" | 00°00'27"  | 87.657 |
| 15/07/2011 00:00:00 | ♁ | 22°12'05" ♁ | 21°36'29"  | -00°00'00" | 00°57'12"  | 1.016  |
| 15/07/2011 00:00:00 | ♂ | 18°48'40" ♁ | -19°53'19" | 02°14'58"  | 13°12'16"  | 0.003  |
| 15/07/2011 00:00:00 | ♁ | 18°23'19" ♁ | 15°28'17"  | 00°09'50"  | 01°11'22"  | 0.933  |
| 15/07/2011 00:00:00 | ♁ | 13°15'27" ♁ | 23°07'01"  | 00°20'30"  | 01°13'35"  | 1.706  |
| 15/07/2011 00:00:00 | ♂ | 16°47'57" ♁ | 22°51'46"  | 00°04'50"  | 00°41'27"  | 2.186  |
| 15/07/2011 00:00:00 | ♁ | 07°01'34" ♁ | 12°42'19"  | -01°13'09" | 00°08'05"  | 5.114  |
| 15/07/2011 00:00:00 | ♃ | 11°16'37" ♁ | -02°13'08" | 02°26'07"  | 00°03'04"  | 9.784  |
| 15/07/2011 00:00:00 | ♅ | 04°33'16" ♀ | 01°07'24"  | -00°44'52" | -00°00'14" | 19.751 |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 15/07/2011 00:00:00 | ♁ | 00°29'15" ♉ | -11°48'24" | -00°32'33" | -00°01'11" | 29.203 |
| 15/07/2011 00:00:00 | ♁ | 05°46'57" ♉ | -18°51'35" | 04°27'18"  | -00°01'26" | 31.087 |
| 15/07/2011 00:00:00 | ♁ | 23°17'59" ♉ | -23°16'04" | 00°00'00"  | -00°02'36" | 0.003  |
| 15/07/2011 00:00:00 | ♁ | 04°52'31" ♉ | -04°02'36" | 06°05'40"  | -00°01'56" | 16.061 |
| 15/07/2011 00:00:00 | ♁ | 12°43'19" ♉ | 09°27'18"  | 04°48'48"  | 00°06'42"  | 0.003  |
| 15/07/2011 00:00:00 | ♁ | 23°17'59" ♉ | -23°16'04" | 00°00'00"  | -00°02'36" | 0.003  |
| 15/07/2011 00:00:00 | ♁ | 25°20'24" ♉ | 13°54'47"  | 04°25'16"  | 00°10'46"  | 0.003  |
| 15/07/2011 00:00:00 | X | 22°29'24" ♉ | -03°41'29" | -13°23'07" | 00°00'02"  | 96.590 |
| 15/07/2011 00:00:00 | Y | 22°59'34" ♉ | 07°02'07"  | -11°50'52" | 00°00'26"  | 87.642 |
| 16/07/2011 00:00:00 | ♁ | 23°09'18" ♉ | 21°27'03"  | 00°00'00"  | 00°57'12"  | 1.016  |
| 16/07/2011 00:00:00 | ♁ | 01°53'34" ♉ | -16°33'43" | 03°15'19"  | 12°57'24"  | 0.003  |
| 16/07/2011 00:00:00 | ♁ | 19°33'24" ♉ | 14°56'35"  | -00°00'34" | 01°08'46"  | 0.918  |
| 16/07/2011 00:00:00 | ♁ | 14°29'03" ♉ | 23°01'42"  | 00°22'49"  | 01°13'36"  | 1.708  |
| 16/07/2011 00:00:00 | ♁ | 17°29'23" ♉ | 22°56'29"  | 00°05'34"  | 00°41'23"  | 2.183  |
| 16/07/2011 00:00:00 | ♁ | 07°09'36" ♉ | 12°44'45"  | -01°13'20" | 00°07'57"  | 5.099  |
| 16/07/2011 00:00:00 | ♁ | 11°19'44" ♉ | -02°14'34" | 02°25'54"  | 00°03'09"  | 9.800  |
| 16/07/2011 00:00:00 | ♁ | 04°33'00" ♉ | 01°07'16"  | -00°44'54" | -00°00'17" | 19.736 |
| 16/07/2011 00:00:00 | ♁ | 00°28'03" ♉ | -11°48'51" | -00°32'34" | -00°01'12" | 29.193 |
| 16/07/2011 00:00:00 | ♁ | 05°45'30" ♉ | -18°51'47" | 04°27'10"  | -00°01'26" | 31.093 |

Ephemerides year 2011

|                     |   |           |   |            |            |            |        |
|---------------------|---|-----------|---|------------|------------|------------|--------|
| 16/07/2011 00:00:00 | ♏ | 23°14'42" | ♐ | -23°15'54" | 00°00'00"  | -00°03'55" | 0.003  |
| 16/07/2011 00:00:00 | ♋ | 04°50'33" | ♌ | -04°03'06" | 06°05'53"  | -00°01'58" | 16.051 |
| 16/07/2011 00:00:00 | ♎ | 12°50'02" | ♏ | 09°29'38"  | 04°48'29"  | 00°06'42"  | 0.003  |
| 16/07/2011 00:00:00 | ♏ | 23°14'42" | ♐ | -23°15'54" | 00°00'00"  | -00°03'55" | 0.003  |
| 16/07/2011 00:00:00 | ♎ | 24°53'31" | ♏ | 13°45'31"  | 04°25'59"  | -01°02'04" | 0.003  |
| 16/07/2011 00:00:00 | X | 22°29'26" | ♏ | -03°41'34" | -13°23'13" | 00°00'02"  | 96.573 |
| 16/07/2011 00:00:00 | Y | 23°00'01" | ♏ | 07°02'06"  | -11°50'59" | 00°00'26"  | 87.627 |
| 17/07/2011 00:00:00 | ♏ | 24°06'30" | ♐ | 21°17'15"  | 00°00'00"  | 00°57'12"  | 1.016  |
| 17/07/2011 00:00:00 | ♎ | 14°43'20" | ♏ | -12°30'55" | 04°04'28"  | 12°42'09"  | 0.003  |
| 17/07/2011 00:00:00 | ♎ | 20°40'51" | ♏ | 14°25'05"  | -00°11'20" | 01°06'06"  | 0.902  |
| 17/07/2011 00:00:00 | ♎ | 15°42'41" | ♐ | 22°55'42"  | 00°25'07"  | 01°13'37"  | 1.709  |
| 17/07/2011 00:00:00 | ♏ | 18°10'45" | ♐ | 23°00'59"  | 00°06'19"  | 00°41'19"  | 2.180  |
| 17/07/2011 00:00:00 | ♏ | 07°17'29" | ♏ | 12°47'08"  | -01°13'31" | 00°07'49"  | 5.085  |
| 17/07/2011 00:00:00 | ♏ | 11°22'57" | ♏ | -02°16'02" | 02°25'40"  | 00°03'14"  | 9.816  |
| 17/07/2011 00:00:00 | ♏ | 04°32'42" | ♏ | 01°07'06"  | -00°44'56" | -00°00'20" | 19.720 |
| 17/07/2011 00:00:00 | ♎ | 00°26'50" | ♌ | -11°49'18" | -00°32'35" | -00°01'13" | 29.183 |
| 17/07/2011 00:00:00 | ♏ | 05°44'04" | ♏ | -18°52'00" | 04°27'01"  | -00°01'25" | 31.099 |
| 17/07/2011 00:00:00 | ♏ | 23°10'14" | ♐ | -23°15'40" | 00°00'00"  | -00°04'54" | 0.003  |
| 17/07/2011 00:00:00 | ♋ | 04°48'33" | ♌ | -04°03'38" | 06°06'05"  | -00°02'01" | 16.041 |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 17/07/2011 00:00:00 | ☾ | 12°56'45" ♀ | 09°31'59"  | 04°48'10"  | 00°06'42"  | 0.003  |
| 17/07/2011 00:00:00 | ♄ | 23°10'14" ♂ | -23°15'40" | 00°00'00"  | -00°04'54" | 0.003  |
| 17/07/2011 00:00:00 | ♃ | 23°23'54" ♀ | 13°15'32"  | 04°29'36"  | -01°52'13" | 0.003  |
| 17/07/2011 00:00:00 | X | 22°29'28" ♀ | -03°41'40" | -13°23'20" | 00°00'01"  | 96.557 |
| 17/07/2011 00:00:00 | Y | 23°00'27" ♂ | 07°02'05"  | -11°51'06" | 00°00'25"  | 87.612 |
| 18/07/2011 00:00:00 | ☉ | 25°03'44" ♂ | 21°07'06"  | 00°00'00"  | 00°57'13"  | 1.016  |
| 18/07/2011 00:00:00 | ☾ | 27°18'02" ♀ | -08°00'33" | 04°40'39"  | 12°27'24"  | 0.003  |
| 18/07/2011 00:00:00 | ♁ | 21°45'36" ♂ | 13°53'51"  | -00°22'27" | 01°03'21"  | 0.887  |
| 18/07/2011 00:00:00 | ♂ | 16°56'19" ♂ | 22°49'01"  | 00°27'24"  | 01°13'39"  | 1.711  |
| 18/07/2011 00:00:00 | ♂ | 18°52'03" ♀ | 23°05'16"  | 00°07'03"  | 00°41'16"  | 2.177  |
| 18/07/2011 00:00:00 | ♂ | 07°25'14" ♂ | 12°49'28"  | -01°13'42" | 00°07'40"  | 5.070  |
| 18/07/2011 00:00:00 | ♃ | 11°26'14" ♀ | -02°17'31" | 02°25'26"  | 00°03'20"  | 9.832  |
| 18/07/2011 00:00:00 | ♃ | 04°32'20" ♀ | 01°06'56"  | -00°44'58" | -00°00'22" | 19.704 |
| 18/07/2011 00:00:00 | ♃ | 00°25'35" ♀ | -11°49'46" | -00°32'37" | -00°01'15" | 29.173 |
| 18/07/2011 00:00:00 | ♃ | 05°42'39" ♂ | -18°52'12" | 04°26'52"  | -00°01'25" | 31.105 |
| 18/07/2011 00:00:00 | ♄ | 23°05'03" ♂ | -23°15'24" | 00°00'00"  | -00°05'22" | 0.003  |
| 18/07/2011 00:00:00 | ♃ | 04°46'31" ♀ | -04°04'11" | 06°06'16"  | -00°02'03" | 16.032 |
| 18/07/2011 00:00:00 | ☾ | 13°03'28" ♀ | 09°34'19"  | 04°47'51"  | 00°06'42"  | 0.003  |
| 18/07/2011 00:00:00 | ♄ | 23°05'03" ♂ | -23°15'24" | 00°00'00"  | -00°05'22" | 0.003  |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 18/07/2011 00:00:00 | T♄ | 21°19'55" ♏ | 12°33'30"  | 04°34'35"  | -02°10'17" | 0.003  |
| 18/07/2011 00:00:00 | X  | 22°29'29" ♏ | -03°41'45" | -13°23'26" | 00°00'00"  | 96.540 |
| 18/07/2011 00:00:00 | Y  | 23°00'52" ♏ | 07°02'04"  | -11°51'14" | 00°00'25"  | 87.596 |
| 19/07/2011 00:00:00 | ☉  | 26°00'57" ♍ | 20°56'36"  | 00°00'00"  | 00°57'13"  | 1.016  |
| 19/07/2011 00:00:00 | ☾  | 09°38'39" ♏ | -03°16'15" | 05°02'59"  | 12°14'08"  | 0.003  |
| 19/07/2011 00:00:00 | ♀  | 22°47'32" ♏ | 13°23'00"  | -00°33'52" | 01°00'30"  | 0.872  |
| 19/07/2011 00:00:00 | ♁  | 18°09'59" ♍ | 22°41'40"  | 00°29'39"  | 01°13'40"  | 1.712  |
| 19/07/2011 00:00:00 | ♂  | 19°33'17" ♏ | 23°09'21"  | 00°07'47"  | 00°41'12"  | 2.173  |
| 19/07/2011 00:00:00 | ♃  | 07°32'50" ♏ | 12°51'46"  | -01°13'53" | 00°07'31"  | 5.055  |
| 19/07/2011 00:00:00 | ♅  | 11°29'37" ♏ | -02°19'02" | 02°25'13"  | 00°03'25"  | 9.849  |
| 19/07/2011 00:00:00 | ♁  | 04°31'56" ♏ | 01°06'45"  | -00°45'00" | -00°00'25" | 19.688 |
| 19/07/2011 00:00:00 | ♃  | 00°24'19" ♏ | -11°50'14" | -00°32'38" | -00°01'16" | 29.164 |
| 19/07/2011 00:00:00 | ♁  | 05°41'14" ♏ | -18°52'25" | 04°26'43"  | -00°01'24" | 31.111 |
| 19/07/2011 00:00:00 | ♁  | 22°59'42" ♏ | -23°15'07" | 00°00'00"  | -00°05'12" | 0.002  |
| 19/07/2011 00:00:00 | ♃  | 04°44'25" ♏ | -04°04'46" | 06°06'28"  | -00°02'06" | 16.023 |
| 19/07/2011 00:00:00 | ♁  | 13°10'10" ♏ | 09°36'39"  | 04°47'32"  | 00°06'42"  | 0.003  |
| 19/07/2011 00:00:00 | T♁ | 22°59'42" ♏ | -23°15'07" | 00°00'00"  | -00°05'12" | 0.002  |
| 19/07/2011 00:00:00 | T♄ | 19°12'56" ♏ | 11°49'42"  | 04°39'28"  | -01°59'54" | 0.003  |
| 19/07/2011 00:00:00 | X  | 22°29'30" ♏ | -03°41'51" | -13°23'33" | 00°00'00"  | 96.524 |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 19/07/2011 00:00:00 | Y  | 23°01'17" ♄ | 07°02'03"  | -11°51'21" | 00°00'24"  | 87.581 |
| 20/07/2011 00:00:00 | ☉  | 26°58'11" ♃ | 20°45'44"  | 00°00'00"  | 00°57'14"  | 1.016  |
| 20/07/2011 00:00:00 | ☾  | 21°47'07" ♃ | 01°30'36"  | 05°11'14"  | 12°03'17"  | 0.003  |
| 20/07/2011 00:00:00 | ♀  | 23°46'34" ♃ | 12°52'36"  | -00°45'35" | 00°57'32"  | 0.857  |
| 20/07/2011 00:00:00 | ♀  | 19°23'40" ♃ | 22°33'39"  | 00°31'52"  | 01°13'41"  | 1.714  |
| 20/07/2011 00:00:00 | ♂  | 20°14'28" ♃ | 23°13'13"  | 00°08'32"  | 00°41'08"  | 2.170  |
| 20/07/2011 00:00:00 | ♃  | 07°40'18" ♄ | 12°54'00"  | -01°14'04" | 00°07'23"  | 5.040  |
| 20/07/2011 00:00:00 | ♃  | 11°33'04" ♃ | -02°20'36" | 02°25'00"  | 00°03'30"  | 9.865  |
| 20/07/2011 00:00:00 | ♃  | 04°31'29" ♃ | 01°06'32"  | -00°45'02" | -00°00'28" | 19.673 |
| 20/07/2011 00:00:00 | ♃  | 00°23'02" ♃ | -11°50'42" | -00°32'39" | -00°01'17" | 29.154 |
| 20/07/2011 00:00:00 | ♃  | 05°39'50" ♃ | -18°52'38" | 04°26'33"  | -00°01'23" | 31.117 |
| 20/07/2011 00:00:00 | ♃  | 22°54'50" ♃ | -23°14'52" | 00°00'00"  | -00°04'27" | 0.002  |
| 20/07/2011 00:00:00 | ♃  | 04°42'18" ♃ | -04°05'21" | 06°06'39"  | -00°02'08" | 16.013 |
| 20/07/2011 00:00:00 | ♃  | 13°16'53" ♃ | 09°38'58"  | 04°47'13"  | 00°06'42"  | 0.003  |
| 20/07/2011 00:00:00 | T♃ | 22°54'50" ♃ | -23°14'52" | 00°00'00"  | -00°04'27" | 0.002  |
| 20/07/2011 00:00:00 | T♃ | 17°25'01" ♃ | 11°11'53"  | 04°43'23"  | -01°34'49" | 0.003  |
| 20/07/2011 00:00:00 | X  | 22°29'30" ♃ | -03°41'57" | -13°23'39" | -00°00'00" | 96.507 |
| 20/07/2011 00:00:00 | Y  | 23°01'41" ♄ | 07°02'02"  | -11°51'28" | 00°00'23"  | 87.565 |
| 21/07/2011 00:00:00 | ☉  | 27°55'26" ♃ | 20°34'30"  | 00°00'00"  | 00°57'15"  | 1.016  |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 21/07/2011 00:00:00 | ♃ | 03°46'19" ♈ | 06°10'26"  | 05°05'43"  | 11°55'44"  | 0.003  |
| 21/07/2011 00:00:00 | ♆ | 24°42'35" ♁ | 12°22'45"  | -00°57'34" | 00°54'28"  | 0.842  |
| 21/07/2011 00:00:00 | ♂ | 20°37'22" ♉ | 22°24'59"  | 00°34'04"  | 01°13'42"  | 1.715  |
| 21/07/2011 00:00:00 | ♂ | 20°55'34" ♉ | 23°16'52"  | 00°09'16"  | 00°41'05"  | 2.167  |
| 21/07/2011 00:00:00 | ♃ | 07°47'36" ♈ | 12°56'10"  | -01°14'16" | 00°07'14"  | 5.025  |
| 21/07/2011 00:00:00 | ♃ | 11°36'37" ♈ | -02°22'11" | 02°24'46"  | 00°03'35"  | 9.881  |
| 21/07/2011 00:00:00 | ♃ | 04°30'59" ♈ | 01°06'18"  | -00°45'04" | -00°00'31" | 19.657 |
| 21/07/2011 00:00:00 | ♃ | 00°21'44" ♈ | -11°51'11" | -00°32'40" | -00°01'18" | 29.145 |
| 21/07/2011 00:00:00 | ♃ | 05°38'26" ♈ | -18°52'51" | 04°26'24"  | -00°01'23" | 31.124 |
| 21/07/2011 00:00:00 | ♁ | 22°50'57" ♁ | -23°14'39" | 00°00'00"  | -00°03'13" | 0.002  |
| 21/07/2011 00:00:00 | ♃ | 04°40'07" ♈ | -04°05'58" | 06°06'50"  | -00°02'11" | 16.005 |
| 21/07/2011 00:00:00 | ♃ | 13°23'36" ♈ | 09°41'18"  | 04°46'53"  | 00°06'42"  | 0.003  |
| 21/07/2011 00:00:00 | ♁ | 22°50'57" ♁ | -23°14'39" | 00°00'00"  | -00°03'13" | 0.002  |
| 21/07/2011 00:00:00 | ♃ | 16°03'01" ♈ | 10°42'49"  | 04°46'16"  | -01°10'22" | 0.003  |
| 21/07/2011 00:00:00 | X | 22°29'29" ♈ | -03°42'03" | -13°23'46" | -00°00'01" | 96.490 |
| 21/07/2011 00:00:00 | Y | 23°02'04" ♈ | 07°02'00"  | -11°51'36" | 00°00'23"  | 87.549 |
| 22/07/2011 00:00:00 | ♃ | 28°52'42" ♈ | 20°22'57"  | 00°00'00"  | 00°57'16"  | 1.016  |
| 22/07/2011 00:00:00 | ♃ | 15°39'57" ♈ | 10°34'36"  | 04°47'03"  | 11°52'14"  | 0.003  |
| 22/07/2011 00:00:00 | ♆ | 25°35'29" ♁ | 11°53'34"  | -01°09'48" | 00°51'17"  | 0.827  |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 22/07/2011 00:00:00 | ♀  | 21°51'06" ♉ | 22°15'38"  | 00°36'14"  | 01°13'44"  | 1.717  |
| 22/07/2011 00:00:00 | ♂  | 21°36'38" ♉ | 23°20'19"  | 00°10'01"  | 00°41'01"  | 2.164  |
| 22/07/2011 00:00:00 | ♃  | 07°54'46" ♉ | 12°58'18"  | -01°14'27" | 00°07'05"  | 5.010  |
| 22/07/2011 00:00:00 | ♅  | 11°40'15" ♉ | -02°23'48" | 02°24'33"  | 00°03'40"  | 9.896  |
| 22/07/2011 00:00:00 | ♁  | 04°30'26" ♉ | 01°06'03"  | -00°45'06" | -00°00'34" | 19.642 |
| 22/07/2011 00:00:00 | ♃  | 00°20'24" ♉ | -11°51'40" | -00°32'42" | -00°01'19" | 29.136 |
| 22/07/2011 00:00:00 | ♁  | 05°37'03" ♉ | -18°53'04" | 04°26'15"  | -00°01'22" | 31.131 |
| 22/07/2011 00:00:00 | ♁  | 22°48'27" ♉ | -23°14'31" | 00°00'00"  | -00°01'44" | 0.002  |
| 22/07/2011 00:00:00 | ♁  | 04°37'55" ♉ | -04°06'35" | 06°07'00"  | -00°02'13" | 15.996 |
| 22/07/2011 00:00:00 | ♁  | 13°30'18" ♉ | 09°43'37"  | 04°46'33"  | 00°06'42"  | 0.003  |
| 22/07/2011 00:00:00 | T♁ | 22°48'27" ♉ | -23°14'31" | 00°00'00"  | -00°01'44" | 0.002  |
| 22/07/2011 00:00:00 | T♁ | 15°00'20" ♉ | 10°20'27"  | 04°48'25"  | -00°57'34" | 0.003  |
| 22/07/2011 00:00:00 | X  | 22°29'28" ♉ | -03°42'10" | -13°23'52" | -00°00'01" | 96.474 |
| 22/07/2011 00:00:00 | Y  | 23°02'27" ♉ | 07°01'58"  | -11°51'43" | 00°00'22"  | 87.533 |
| 23/07/2011 00:00:00 | ♁  | 29°49'58" ♉ | 20°11'02"  | 00°00'00"  | 00°57'16"  | 1.016  |
| 23/07/2011 00:00:00 | ♁  | 27°32'20" ♉ | 14°34'37"  | 04°16'07"  | 11°53'18"  | 0.003  |
| 23/07/2011 00:00:00 | ♁  | 26°25'08" ♉ | 11°25'08"  | -01°22'16" | 00°47'58"  | 0.813  |
| 23/07/2011 00:00:00 | ♀  | 23°04'50" ♉ | 22°05'38"  | 00°38'23"  | 01°13'45"  | 1.718  |
| 23/07/2011 00:00:00 | ♂  | 22°17'37" ♉ | 23°23'32"  | 00°10'46"  | 00°40'57"  | 2.161  |



Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 23/07/2011 00:00:00 | ♃ | 08°01'47" ♂ | 13°00'23"  | -01°14'39" | 00°06'56"  | 4.995  |
| 23/07/2011 00:00:00 | ♅ | 11°43'58" ♀ | -02°25'27" | 02°24'20"  | 00°03'45"  | 9.912  |
| 23/07/2011 00:00:00 | ♁ | 04°29'50" ♀ | 01°05'47"  | -00°45'08" | -00°00'37" | 19.627 |
| 23/07/2011 00:00:00 | ♆ | 00°19'04" ♀ | -11°52'10" | -00°32'43" | -00°01'21" | 29.128 |
| 23/07/2011 00:00:00 | ♄ | 05°35'41" ♂ | -18°53'17" | 04°26'05"  | -00°01'21" | 31.139 |
| 23/07/2011 00:00:00 | ♁ | 22°47'27" ♂ | -23°14'28" | 00°00'00"  | -00°00'17" | 0.002  |
| 23/07/2011 00:00:00 | ♆ | 04°35'40" ♀ | -04°07'14" | 06°07'10"  | -00°02'15" | 15.988 |
| 23/07/2011 00:00:00 | ♁ | 13°37'01" ♀ | 09°45'57"  | 04°46'13"  | 00°06'42"  | 0.003  |
| 23/07/2011 00:00:00 | ♁ | 22°47'27" ♂ | -23°14'28" | 00°00'00"  | -00°00'17" | 0.002  |
| 23/07/2011 00:00:00 | ♁ | 14°02'04" ♀ | 09°59'33"  | 04°50'22"  | -01°02'00" | 0.003  |
| 23/07/2011 00:00:00 | X | 22°29'26" ♀ | -03°42'17" | -13°23'58" | -00°00'02" | 96.457 |
| 23/07/2011 00:00:00 | Y | 23°02'50" ♂ | 07°01'56"  | -11°51'51" | 00°00'22"  | 87.517 |
| 24/07/2011 00:00:00 | ♁ | 00°47'16" ♀ | 19°58'47"  | 00°00'00"  | 00°57'17"  | 1.016  |
| 24/07/2011 00:00:00 | ♁ | 09°28'12" ♂ | 18°01'27"  | 03°33'59"  | 11°59'15"  | 0.003  |
| 24/07/2011 00:00:00 | ♁ | 27°11'23" ♀ | 10°57'33"  | -01°34'54" | 00°44'30"  | 0.798  |
| 24/07/2011 00:00:00 | ♁ | 24°18'36" ♀ | 21°55'00"  | 00°40'29"  | 01°13'46"  | 1.719  |
| 24/07/2011 00:00:00 | ♁ | 22°58'33" ♀ | 23°26'34"  | 00°11'31"  | 00°40'53"  | 2.157  |
| 24/07/2011 00:00:00 | ♃ | 08°08'39" ♂ | 13°02'24"  | -01°14'50" | 00°06'47"  | 4.980  |
| 24/07/2011 00:00:00 | ♅ | 11°47'46" ♀ | -02°27'07" | 02°24'07"  | 00°03'50"  | 9.928  |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 24/07/2011 00:00:00 | ♃ | 04°29'12" ♀ | 01°05'31"  | -00°45'10" | -00°00'39" | 19.612 |
| 24/07/2011 00:00:00 | ♃ | 00°17'42" ♀ | -11°52'40" | -00°32'44" | -00°01'22" | 29.119 |
| 24/07/2011 00:00:00 | ♃ | 05°34'20" ♀ | -18°53'30" | 04°25'55"  | -00°01'20" | 31.146 |
| 24/07/2011 00:00:00 | ♃ | 22°47'47" ♀ | -23°14'29" | 00°00'00"  | 00°00'52"  | 0.002  |
| 24/07/2011 00:00:00 | ♃ | 04°33'23" ♀ | -04°07'54" | 06°07'20"  | -00°02'18" | 15.979 |
| 24/07/2011 00:00:00 | ♃ | 13°43'44" ♀ | 09°48'16"  | 04°45'53"  | 00°06'42"  | 0.003  |
| 24/07/2011 00:00:00 | ♃ | 22°47'47" ♀ | -23°14'29" | 00°00'00"  | 00°00'52"  | 0.002  |
| 24/07/2011 00:00:00 | ♃ | 12°50'14" ♀ | 09°33'32"  | 04°52'39"  | -01°24'29" | 0.003  |
| 24/07/2011 00:00:00 | X | 22°29'23" ♀ | -03°42'23" | -13°24'05" | -00°00'02" | 96.441 |
| 24/07/2011 00:00:00 | Y | 23°03'11" ♀ | 07°01'54"  | -11°51'58" | 00°00'21"  | 87.501 |
| 25/07/2011 00:00:00 | ♃ | 01°44'34" ♀ | 19°46'13"  | 00°00'00"  | 00°57'18"  | 1.016  |
| 25/07/2011 00:00:00 | ♃ | 21°32'29" ♀ | 20°45'04"  | 02°41'55"  | 12°10'06"  | 0.003  |
| 25/07/2011 00:00:00 | ♃ | 27°54'05" ♀ | 10°30'57"  | -01°47'41" | 00°40'53"  | 0.784  |
| 25/07/2011 00:00:00 | ♃ | 25°32'24" ♀ | 21°43'43"  | 00°42'33"  | 01°13'47"  | 1.720  |
| 25/07/2011 00:00:00 | ♃ | 23°39'25" ♀ | 23°29'22"  | 00°12'16"  | 00°40'50"  | 2.154  |
| 25/07/2011 00:00:00 | ♃ | 08°15'22" ♀ | 13°04'22"  | -01°15'02" | 00°06'38"  | 4.965  |
| 25/07/2011 00:00:00 | ♃ | 11°51'38" ♀ | -02°28'50" | 02°23'54"  | 00°03'55"  | 9.944  |
| 25/07/2011 00:00:00 | ♃ | 04°28'31" ♀ | 01°05'12"  | -00°45'12" | -00°00'42" | 19.597 |
| 25/07/2011 00:00:00 | ♃ | 00°16'20" ♀ | -11°53'10" | -00°32'45" | -00°01'23" | 29.111 |

Ephemerides year 2011

|                     |   |           |   |            |            |            |        |
|---------------------|---|-----------|---|------------|------------|------------|--------|
| 25/07/2011 00:00:00 | ♁ | 05°33'00" | ♌ | -18°53'43" | 04°25'45"  | -00°01'19" | 31.154 |
| 25/07/2011 00:00:00 | ♁ | 22°49'02" | ♌ | -23°14'33" | 00°00'00"  | 00°01'30"  | 0.002  |
| 25/07/2011 00:00:00 | ♊ | 04°31'04" | ♌ | -04°08'35" | 06°07'30"  | -00°02'20" | 15.972 |
| 25/07/2011 00:00:00 | ♁ | 13°50'27" | ♌ | 09°50'34"  | 04°45'33"  | 00°06'42"  | 0.003  |
| 25/07/2011 00:00:00 | ♁ | 22°49'02" | ♌ | -23°14'33" | 00°00'00"  | 00°01'30"  | 0.002  |
| 25/07/2011 00:00:00 | ♁ | 11°08'21" | ♌ | 08°56'12"  | 04°55'33"  | -02°00'59" | 0.003  |
| 25/07/2011 00:00:00 | X | 22°29'20" | ♌ | -03°42'31" | -13°24'11" | -00°00'03" | 96.425 |
| 25/07/2011 00:00:00 | Y | 23°03'32" | ♌ | 07°01'51"  | -11°52'06" | 00°00'20"  | 87.485 |
| 26/07/2011 00:00:00 | ♁ | 02°41'53" | ♌ | 19°33'18"  | -00°00'00" | 00°57'19"  | 1.016  |
| 26/07/2011 00:00:00 | ♁ | 03°49'58" | ♌ | 22°34'36"  | 01°41'32"  | 12°25'35"  | 0.003  |
| 26/07/2011 00:00:00 | ♁ | 28°33'06" | ♌ | 10°05'26"  | -02°00'36" | 00°37'07"  | 0.770  |
| 26/07/2011 00:00:00 | ♁ | 26°46'12" | ♌ | 21°31'47"  | 00°44'35"  | 01°13'49"  | 1.721  |
| 26/07/2011 00:00:00 | ♁ | 24°20'13" | ♌ | 23°31'58"  | 00°13'01"  | 00°40'46"  | 2.150  |
| 26/07/2011 00:00:00 | ♁ | 08°21'56" | ♌ | 13°06'17"  | -01°15'14" | 00°06'28"  | 4.949  |
| 26/07/2011 00:00:00 | ♁ | 11°55'36" | ♌ | -02°30'34" | 02°23'42"  | 00°04'00"  | 9.959  |
| 26/07/2011 00:00:00 | ♁ | 04°27'47" | ♌ | 01°04'53"  | -00°45'14" | -00°00'45" | 19.582 |
| 26/07/2011 00:00:00 | ♁ | 00°14'56" | ♌ | -11°53'40" | -00°32'47" | -00°01'24" | 29.103 |
| 26/07/2011 00:00:00 | ♁ | 05°31'41" | ♌ | -18°53'56" | 04°25'35"  | -00°01'18" | 31.162 |
| 26/07/2011 00:00:00 | ♁ | 22°50'35" | ♌ | -23°14'38" | 00°00'00"  | 00°01'27"  | 0.003  |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 26/07/2011 00:00:00 | ♁ | 04°28'42" ♋ | -04°09'17" | 06°07'39"  | -00°02'22" | 15.964 |
| 26/07/2011 00:00:00 | ♁ | 13°57'10" ♋ | 09°52'53"  | 04°45'13"  | 00°06'42"  | 0.003  |
| 26/07/2011 00:00:00 | ♁ | 22°50'35" ♋ | -23°14'38" | 00°00'00"  | 00°01'27"  | 0.003  |
| 26/07/2011 00:00:00 | ♁ | 08°46'45" ♋ | 08°03'32"  | 04°59'04"  | -02°41'51" | 0.003  |
| 26/07/2011 00:00:00 | X | 22°29'16" ♋ | -03°42'38" | -13°24'18" | -00°00'04" | 96.408 |
| 26/07/2011 00:00:00 | Y | 23°03'53" ♋ | 07°01'49"  | -11°52'14" | 00°00'20"  | 87.469 |
| 27/07/2011 00:00:00 | ♁ | 03°39'13" ♋ | 19°20'04"  | -00°00'00" | 00°57'20"  | 1.016  |
| 27/07/2011 00:00:00 | ♁ | 16°24'58" ♋ | 23°19'25"  | 00°34'57"  | 12°45'00"  | 0.003  |
| 27/07/2011 00:00:00 | ♁ | 29°08'16" ♋ | 09°41'07"  | -02°13'34" | 00°33'10"  | 0.756  |
| 27/07/2011 00:00:00 | ♁ | 28°00'02" ♋ | 21°19'14"  | 00°46'35"  | 01°13'50"  | 1.722  |
| 27/07/2011 00:00:00 | ♁ | 25°00'58" ♋ | 23°34'22"  | 00°13'46"  | 00°40'42"  | 2.147  |
| 27/07/2011 00:00:00 | ♁ | 08°28'20" ♋ | 13°08'08"  | -01°15'26" | 00°06'19"  | 4.934  |
| 27/07/2011 00:00:00 | ♁ | 11°59'39" ♋ | -02°32'20" | 02°23'29"  | 00°04'04"  | 9.975  |
| 27/07/2011 00:00:00 | ♁ | 04°27'00" ♋ | 01°04'33"  | -00°45'15" | -00°00'47" | 19.567 |
| 27/07/2011 00:00:00 | ♁ | 00°13'32" ♋ | -11°54'11" | -00°32'48" | -00°01'25" | 29.096 |
| 27/07/2011 00:00:00 | ♁ | 05°30'22" ♋ | -18°54'09" | 04°25'25"  | -00°01'17" | 31.171 |
| 27/07/2011 00:00:00 | ♁ | 22°51'42" ♋ | -23°14'41" | 00°00'00"  | 00°00'39"  | 0.003  |
| 27/07/2011 00:00:00 | ♁ | 04°26'19" ♋ | -04°10'00" | 06°07'48"  | -00°02'24" | 15.956 |
| 27/07/2011 00:00:00 | ♁ | 14°03'52" ♋ | 09°55'12"  | 04°44'53"  | 00°06'42"  | 0.003  |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 27/07/2011 00:00:00 | T♄ | 22°51'42" ♏ | -23°14'41" | 00°00'00"  | 00°00'39"  | 0.003  |
| 27/07/2011 00:00:00 | T♄ | 05°48'06" ♏ | 06°56'02"  | 05°02'39"  | -03°12'22" | 0.003  |
| 27/07/2011 00:00:00 | X  | 22°29'12" ♏ | -03°42'45" | -13°24'24" | -00°00'04" | 96.392 |
| 27/07/2011 00:00:00 | Y  | 23°04'13" ♏ | 07°01'46"  | -11°52'21" | 00°00'19"  | 87.452 |
| 28/07/2011 00:00:00 | ☉  | 04°36'34" ♏ | 19°06'30"  | -00°00'00" | 00°57'21"  | 1.016  |
| 28/07/2011 00:00:00 | ☾  | 29°20'55" ♏ | 22°51'01"  | -00°35'06" | 13°07'13"  | 0.003  |
| 28/07/2011 00:00:00 | ☿  | 29°39'25" ♏ | 09°18'07"  | -02°26'35" | 00°29'04"  | 0.743  |
| 28/07/2011 00:00:00 | ♀  | 29°13'54" ♏ | 21°06'04"  | 00°48'33"  | 01°13'51"  | 1.723  |
| 28/07/2011 00:00:00 | ♂  | 25°41'38" ♏ | 23°36'33"  | 00°14'31"  | 00°40'38"  | 2.144  |
| 28/07/2011 00:00:00 | ♃  | 08°34'34" ♏ | 13°09'57"  | -01°15'38" | 00°06'09"  | 4.919  |
| 28/07/2011 00:00:00 | ♅  | 12°03'46" ♏ | -02°34'08" | 02°23'16"  | 00°04'09"  | 9.990  |
| 28/07/2011 00:00:00 | ♁  | 04°26'11" ♏ | 01°04'12"  | -00°45'17" | -00°00'50" | 19.553 |
| 28/07/2011 00:00:00 | ♂  | 00°12'06" ♏ | -11°54'43" | -00°32'49" | -00°01'25" | 29.088 |
| 28/07/2011 00:00:00 | ♁  | 05°29'05" ♏ | -18°54'23" | 04°25'14"  | -00°01'16" | 31.180 |
| 28/07/2011 00:00:00 | ♁  | 22°51'41" ♏ | -23°14'41" | 00°00'00"  | -00°00'46" | 0.003  |
| 28/07/2011 00:00:00 | ♁  | 04°23'53" ♏ | -04°10'44" | 06°07'56"  | -00°02'26" | 15.949 |
| 28/07/2011 00:00:00 | ♁  | 14°10'35" ♏ | 09°57'30"  | 04°44'32"  | 00°06'42"  | 0.003  |
| 28/07/2011 00:00:00 | T♄ | 22°51'41" ♏ | -23°14'41" | 00°00'00"  | -00°00'46" | 0.003  |
| 28/07/2011 00:00:00 | T♄ | 02°30'18" ♏ | 05°40'04"  | 05°05'34"  | -03°18'19" | 0.003  |

Ephemerides year 2011

|                     |    |             |             |            |            |        |
|---------------------|----|-------------|-------------|------------|------------|--------|
| 28/07/2011 00:00:00 | X  | 22°29'07" ♄ | -03°42'53"  | -13°24'30" | -00°00'05" | 96.376 |
| 28/07/2011 00:00:00 | Y  | 23°04'32" ♃ | 07°01'43"   | -11°52'29" | 00°00'18"  | 87.436 |
| 29/07/2011 00:00:00 | ☉  | 05°33'56" ♃ | 18°52'38"   | -00°00'00" | 00°57'22"  | 1.015  |
| 29/07/2011 00:00:00 | ☾  | 12°39'49" ♃ | 21°05'21"   | -01°45'10" | 13°30'37"  | 0.003  |
| 29/07/2011 00:00:00 | ♀  | 00°06'21" ♄ | 08°56'34"   | -02°39'34" | 00°24'46"  | 0.730  |
| 29/07/2011 00:00:00 | ♀  | 00°27'46" ♃ | 20°52'17"   | 00°50'28"  | 01°13'52"  | 1.724  |
| 29/07/2011 00:00:00 | ♂  | 26°22'15" ♀ | 23°38'31" ○ | 00°15'16"  | 00°40'34"  | 2.140  |
| 29/07/2011 00:00:00 | ♃  | 08°40'39" ♃ | 13°11'42"   | -01°15'50" | 00°05'59"  | 4.904  |
| 29/07/2011 00:00:00 | ♅  | 12°07'58" ♁ | -02°35'57"  | 02°23'04"  | 00°04'14"  | 10.005 |
| 29/07/2011 00:00:00 | ♁  | 04°25'19" ♄ | 01°03'50"   | -00°45'19" | -00°00'53" | 19.539 |
| 29/07/2011 00:00:00 | ♃  | 00°10'40" ♃ | -11°55'14"  | -00°32'50" | -00°01'26" | 29.081 |
| 29/07/2011 00:00:00 | ♁  | 05°27'48" ♃ | -18°54'36"  | 04°25'04"  | -00°01'15" | 31.189 |
| 29/07/2011 00:00:00 | ♁  | 22°50'00" ♃ | -23°14'36"  | 00°00'00"  | -00°02'37" | 0.003  |
| 29/07/2011 00:00:00 | ♁  | 04°21'26" ♃ | -04°11'30"  | 06°08'04"  | -00°02'28" | 15.942 |
| 29/07/2011 00:00:00 | ♁  | 14°17'18" ♄ | 09°59'48"   | 04°44'11"  | 00°06'42"  | 0.003  |
| 29/07/2011 00:00:00 | T♁ | 22°50'00" ♃ | -23°14'36"  | 00°00'00"  | -00°02'37" | 0.003  |
| 29/07/2011 00:00:00 | T♁ | 29°21'17" ♃ | 04°26'30"   | 05°07'18"  | -02°55'16" | 0.003  |
| 29/07/2011 00:00:00 | X  | 22°29'01" ♄ | -03°43'01"  | -13°24'37" | -00°00'05" | 96.359 |
| 29/07/2011 00:00:00 | Y  | 23°04'51" ♃ | 07°01'40"   | -11°52'37" | 00°00'18"  | 87.419 |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 30/07/2011 00:00:00 | ☉ | 06°31'18" ♈ | 18°38'27"  | -00°00'00" | 00°57'23"  | 1.015  |
| 30/07/2011 00:00:00 | ☾ | 26°21'52" ♎ | 18°04'36"  | -02°51'05" | 13°53'09"  | 0.003  |
| 30/07/2011 00:00:00 | ♀ | 00°28'55" ♍ | 08°36'37"  | -02°52'27" | 00°20'18"  | 0.717  |
| 30/07/2011 00:00:00 | ♀ | 01°41'39" ♈ | 20°37'54"  | 00°52'21"  | 01°13'54"  | 1.725  |
| 30/07/2011 00:00:00 | ♂ | 27°02'48" ♀ | 23°40'17"  | 00°16'02"  | 00°40'30"  | 2.136  |
| 30/07/2011 00:00:00 | ♃ | 08°46'34" ♉ | 13°13'23"  | -01°16'02" | 00°05'50"  | 4.889  |
| 30/07/2011 00:00:00 | ♄ | 12°12'15" ♋ | -02°37'48" | 02°22'52"  | 00°04'19"  | 10.021 |
| 30/07/2011 00:00:00 | ♅ | 04°24'24" ♌ | 01°03'26"  | -00°45'21" | -00°00'56" | 19.524 |
| 30/07/2011 00:00:00 | ♆ | 00°09'13" ♍ | -11°55'46" | -00°32'51" | -00°01'27" | 29.074 |
| 30/07/2011 00:00:00 | ♇ | 05°26'33" ♎ | -18°54'50" | 04°24'53"  | -00°01'15" | 31.198 |
| 30/07/2011 00:00:00 | ♈ | 22°46'24" ♏ | -23°14'24" | 00°00'00"  | -00°04'32" | 0.003  |
| 30/07/2011 00:00:00 | ♉ | 04°18'56" ♐ | -04°12'16" | 06°08'12"  | -00°02'30" | 15.936 |
| 30/07/2011 00:00:00 | ♊ | 14°24'01" ♑ | 10°02'06"  | 04°43'51"  | 00°06'42"  | 0.003  |
| 30/07/2011 00:00:00 | ♋ | 22°46'24" ♒ | -23°14'24" | 00°00'00"  | -00°04'32" | 0.003  |
| 30/07/2011 00:00:00 | ♌ | 26°46'19" ♓ | 03°25'33"  | 05°07'54"  | -02°12'49" | 0.003  |
| 30/07/2011 00:00:00 | X | 22°28'55" ♏ | -03°43'09" | -13°24'43" | -00°00'06" | 96.343 |
| 30/07/2011 00:00:00 | Y | 23°05'09" ♉ | 07°01'36"  | -11°52'45" | 00°00'17"  | 87.402 |
| 31/07/2011 00:00:00 | ☉ | 07°28'42" ♈ | 18°23'58"  | -00°00'00" | 00°57'23"  | 1.015  |
| 31/07/2011 00:00:00 | ☾ | 10°25'05" ♈ | 13°57'41"  | -03°48'16" | 14°12'35"  | 0.002  |

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|                     |    |             |             |            |            |        |
|---------------------|----|-------------|-------------|------------|------------|--------|
| 31/07/2011 00:00:00 | ♀  | 00°46'55" ♍ | 08°18'22"   | -03°05'12" | 00°15'40"  | 0.705  |
| 31/07/2011 00:00:00 | ♀  | 02°55'34" ♋ | 20°22'55"   | 00°54'12"  | 01°13'55"  | 1.726  |
| 31/07/2011 00:00:00 | ♂  | 27°43'17" ♉ | 23°41'51" ○ | 00°16'47"  | 00°40'26"  | 2.133  |
| 31/07/2011 00:00:00 | ♃  | 08°52'19" ♋ | 13°15'02"   | -01°16'14" | 00°05'40"  | 4.873  |
| 31/07/2011 00:00:00 | ♅  | 12°16'36" ♌ | -02°39'41"  | 02°22'40"  | 00°04'23"  | 10.036 |
| 31/07/2011 00:00:00 | ♁  | 04°23'27" ♈ | 01°03'02"   | -00°45'23" | -00°00'58" | 19.510 |
| 31/07/2011 00:00:00 | ♃  | 00°07'44" ♈ | -11°56'18"  | -00°32'52" | -00°01'28" | 29.068 |
| 31/07/2011 00:00:00 | ♁  | 05°25'18" ♋ | -18°55'04"  | 04°24'43"  | -00°01'14" | 31.207 |
| 31/07/2011 00:00:00 | ♋  | 22°41'00" ♈ | -23°14'07"  | 00°00'00"  | -00°06'08" | 0.003  |
| 31/07/2011 00:00:00 | ♁  | 04°16'25" ♈ | -04°13'03"  | 06°08'19"  | -00°02'32" | 15.929 |
| 31/07/2011 00:00:00 | ♁  | 14°30'44" ♈ | 10°04'24"   | 04°43'30"  | 00°06'42"  | 0.003  |
| 31/07/2011 00:00:00 | T♋ | 22°41'00" ♈ | -23°14'07"  | 00°00'00"  | -00°06'08" | 0.003  |
| 31/07/2011 00:00:00 | T♁ | 24°56'10" ♈ | 02°41'56"   | 05°07'51"  | -01°28'40" | 0.003  |
| 31/07/2011 00:00:00 | X  | 22°28'48" ♈ | -03°43'17"  | -13°24'49" | -00°00'07" | 96.327 |
| 31/07/2011 00:00:00 | Y  | 23°05'26" ♋ | 07°01'33"   | -11°52'53" | 00°00'16"  | 87.386 |
| 01/08/2011 00:00:00 | ♋  | 08°26'06" ♋ | 18°09'11"   | -00°00'00" | 00°57'24"  | 1.015  |
| 01/08/2011 00:00:00 | ♃  | 24°45'21" ♋ | 08°59'13"   | -04°32'16" | 14°26'56"  | 0.002  |
| 01/08/2011 00:00:00 | ♀  | 01°00'13" ♍ | 08°02'00"   | -03°17'42" | 00°10'52"  | 0.693  |
| 01/08/2011 00:00:00 | ♀  | 04°09'30" ♋ | 20°07'21"   | 00°55'59"  | 01°13'56"  | 1.727  |



Ephemerides year 2011

|                     |   |             |             |            |            |        |
|---------------------|---|-------------|-------------|------------|------------|--------|
| 01/08/2011 00:00:00 | ♂ | 28°23'41" ♀ | 23°43'12" ♀ | 00°17'33"  | 00°40'22"  | 2.129  |
| 01/08/2011 00:00:00 | ♃ | 08°57'54" ♀ | 13°16'37"   | -01°16'27" | 00°05'30"  | 4.858  |
| 01/08/2011 00:00:00 | ♅ | 12°21'02" ♀ | -02°41'36"  | 02°22'28"  | 00°04'28"  | 10.051 |
| 01/08/2011 00:00:00 | ♁ | 04°22'27" ♀ | 01°02'36"   | -00°45'25" | -00°01'01" | 19.496 |
| 01/08/2011 00:00:00 | ♆ | 00°06'15" ♀ | -11°56'51"  | -00°32'53" | -00°01'29" | 29.062 |
| 01/08/2011 00:00:00 | ♁ | 05°24'05" ♀ | -18°55'18"  | 04°24'32"  | -00°01'13" | 31.217 |
| 01/08/2011 00:00:00 | ♁ | 22°34'20" ♀ | -23°13'44"  | 00°00'00"  | -00°07'04" | 0.003  |
| 01/08/2011 00:00:00 | ♃ | 04°13'51" ♀ | -04°13'51"  | 06°08'27"  | -00°02'34" | 15.923 |
| 01/08/2011 00:00:00 | ♁ | 14°37'26" ♀ | 10°06'41"   | 04°43'08"  | 00°06'42"  | 0.003  |
| 01/08/2011 00:00:00 | ♁ | 22°34'20" ♀ | -23°13'44"  | 00°00'00"  | -00°07'04" | 0.003  |
| 01/08/2011 00:00:00 | ♁ | 23°44'10" ♀ | 02°13'18"   | 05°07'36"  | -00°58'35" | 0.003  |
| 01/08/2011 00:00:00 | X | 22°28'40" ♀ | -03°43'26"  | -13°24'55" | -00°00'07" | 96.311 |
| 01/08/2011 00:00:00 | Y | 23°05'43" ♀ | 07°01'29"   | -11°53'01" | 00°00'16"  | 87.369 |
| 02/08/2011 00:00:00 | ♁ | 09°23'31" ♀ | 17°54'05"   | -00°00'00" | 00°57'25"  | 1.015  |
| 02/08/2011 00:00:00 | ♁ | 09°16'48" ♀ | 03°27'43"   | -04°59'23" | 14°34'49"  | 0.002  |
| 02/08/2011 00:00:00 | ♁ | 01°08'37" ♀ | 07°47'38"   | -03°29'54" | 00°05'54"  | 0.682  |
| 02/08/2011 00:00:00 | ♀ | 05°23'26" ♀ | 19°51'13"   | 00°57'45"  | 01°13'57"  | 1.727  |
| 02/08/2011 00:00:00 | ♂ | 29°04'02" ♀ | 23°44'21" ♀ | 00°18'18"  | 00°40'18"  | 2.125  |
| 02/08/2011 00:00:00 | ♃ | 09°03'19" ♀ | 13°18'08"   | -01°16'39" | 00°05'19"  | 4.843  |

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|                     |   |             |             |            |            |        |
|---------------------|---|-------------|-------------|------------|------------|--------|
| 02/08/2011 00:00:00 | ♃ | 12°25'32" ♁ | -02°43'32"  | 02°22'16"  | 00°04'32"  | 10.066 |
| 02/08/2011 00:00:00 | ♃ | 04°21'24" ♁ | 01°02'10"   | -00°45'26" | -00°01'04" | 19.482 |
| 02/08/2011 00:00:00 | ♃ | 00°04'45" ♁ | -11°57'23"  | -00°32'54" | -00°01'30" | 29.056 |
| 02/08/2011 00:00:00 | ♃ | 05°22'52" ♁ | -18°55'31"  | 04°24'21"  | -00°01'11" | 31.227 |
| 02/08/2011 00:00:00 | ♃ | 22°27'09" ♁ | -23°13'20"  | 00°00'00"  | -00°07'06" | 0.003  |
| 02/08/2011 00:00:00 | ♃ | 04°11'16" ♁ | -04°14'40"  | 06°08'33"  | -00°02'36" | 15.917 |
| 02/08/2011 00:00:00 | ♃ | 14°44'09" ♁ | 10°08'58"   | 04°42'47"  | 00°06'42"  | 0.003  |
| 02/08/2011 00:00:00 | ♃ | 22°27'09" ♁ | -23°13'20"  | 00°00'00"  | -00°07'06" | 0.003  |
| 02/08/2011 00:00:00 | ♃ | 22°51'46" ♁ | 01°52'30"   | 05°07'25"  | -00°49'44" | 0.003  |
| 02/08/2011 00:00:00 | X | 22°28'32" ♁ | -03°43'34"  | -13°25'02" | -00°00'08" | 96.295 |
| 02/08/2011 00:00:00 | Y | 23°05'58" ♁ | 07°01'25"   | -11°53'09" | 00°00'15"  | 87.352 |
| 03/08/2011 00:00:00 | ♃ | 10°20'56" ♁ | 17°38'43"   | -00°00'00" | 00°57'25"  | 1.015  |
| 03/08/2011 00:00:00 | ♃ | 23°52'43" ♁ | -02°16'20"  | -05°07'15" | 14°35'53"  | 0.002  |
| 03/08/2011 00:00:00 | ♃ | 01°12'00" ♁ | 07°35'24"   | -03°41'42" | 00°00'49"  | 0.671  |
| 03/08/2011 00:00:00 | ♃ | 06°37'24" ♁ | 19°34'30"   | 00°59'27"  | 01°13'58"  | 1.728  |
| 03/08/2011 00:00:00 | ♃ | 29°44'18" ♁ | 23°45'18" ○ | 00°19'04"  | 00°40'14"  | 2.122  |
| 03/08/2011 00:00:00 | ♃ | 09°08'34" ♁ | 13°19'36"   | -01°16'51" | 00°05'09"  | 4.828  |
| 03/08/2011 00:00:00 | ♃ | 12°30'07" ♁ | -02°45'29"  | 02°22'04"  | 00°04'36"  | 10.080 |
| 03/08/2011 00:00:00 | ♃ | 04°20'19" ♁ | 01°01'42"   | -00°45'28" | -00°01'06" | 19.469 |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 03/08/2011 00:00:00 | ♁ | 00°03'14" ♋ | -11°57'56" | -00°32'55" | -00°01'31" | 29.050 |
| 03/08/2011 00:00:00 | ♁ | 05°21'41" ♋ | -18°55'45" | 04°24'10"  | -00°01'10" | 31.237 |
| 03/08/2011 00:00:00 | ♁ | 22°20'26" ♋ | -23°12'57" | 00°00'00"  | -00°06'11" | 0.003  |
| 03/08/2011 00:00:00 | ♁ | 04°08'39" ♋ | -04°15'30" | 06°08'40"  | -00°02'37" | 15.912 |
| 03/08/2011 00:00:00 | ♁ | 14°50'51" ♋ | 10°11'15"  | 04°42'26"  | 00°06'42"  | 0.003  |
| 03/08/2011 00:00:00 | ♁ | 22°20'26" ♋ | -23°12'57" | 00°00'00"  | -00°06'11" | 0.003  |
| 03/08/2011 00:00:00 | ♁ | 21°59'00" ♋ | 01°31'42"  | 05°07'22"  | -00°57'28" | 0.003  |
| 03/08/2011 00:00:00 | X | 22°28'23" ♋ | -03°43'43" | -13°25'08" | -00°00'09" | 96.279 |
| 03/08/2011 00:00:00 | Y | 23°06'13" ♋ | 07°01'21"  | -11°53'17" | 00°00'14"  | 87.335 |
| 04/08/2011 00:00:00 | ♁ | 11°18'23" ♋ | 17°23'03"  | -00°00'00" | 00°57'26"  | 1.015  |
| 04/08/2011 00:00:00 | ♁ | 08°26'31" ♋ | -07°52'05" | -04°55'18" | 14°30'48"  | 0.002  |
| 04/08/2011 00:00:00 | ♁ | 01°10'14" ♋ | 07°25'28"  | -03°52'59" | -00°04'22" | 0.660  |
| 04/08/2011 00:00:00 | ♁ | 07°51'22" ♋ | 19°17'14"  | 01°01'07"  | 01°13'59"  | 1.728  |
| 04/08/2011 00:00:00 | ♁ | 00°24'30" ♋ | 23°46'02"  | 00°19'50"  | 00°40'10"  | 2.118  |
| 04/08/2011 00:00:00 | ♁ | 09°13'38" ♋ | 13°21'01"  | -01°17'04" | 00°04'59"  | 4.812  |
| 04/08/2011 00:00:00 | ♁ | 12°34'46" ♋ | -02°47'28" | 02°21'52"  | 00°04'41"  | 10.095 |
| 04/08/2011 00:00:00 | ♁ | 04°19'11" ♋ | 01°01'14"  | -00°45'30" | -00°01'09" | 19.455 |
| 04/08/2011 00:00:00 | ♁ | 00°01'43" ♋ | -11°58'30" | -00°32'56" | -00°01'31" | 29.044 |
| 04/08/2011 00:00:00 | ♁ | 05°20'31" ♋ | -18°55'59" | 04°23'59"  | -00°01'09" | 31.247 |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 04/08/2011 00:00:00 | ♁  | 22°15'01" ♀ | -23°12'38" | 00°00'00"  | -00°04'32" | 0.003  |
| 04/08/2011 00:00:00 | ♃  | 04°06'01" ♀ | -04°16'21" | 06°08'46"  | -00°02'39" | 15.906 |
| 04/08/2011 00:00:00 | ♁  | 14°57'34" ♀ | 10°13'32"  | 04°42'04"  | 00°06'42"  | 0.003  |
| 04/08/2011 00:00:00 | T♁ | 22°15'01" ♀ | -23°12'38" | 00°00'00"  | -00°04'32" | 0.003  |
| 04/08/2011 00:00:00 | T♃ | 20°57'11" ♀ | 01°07'29"  | 05°07'22"  | -01°03'48" | 0.003  |
| 04/08/2011 00:00:00 | X  | 22°28'14" ♀ | -03°43'52" | -13°25'14" | -00°00'09" | 96.264 |
| 04/08/2011 00:00:00 | Y  | 23°06'28" ♂ | 07°01'16"  | -11°53'25" | 00°00'14"  | 87.318 |
| 05/08/2011 00:00:00 | ♁  | 12°15'49" ♀ | 17°07'07"  | -00°00'00" | 00°57'27"  | 1.015  |
| 05/08/2011 00:00:00 | ♃  | 22°52'46" ♀ | -12°59'18" | -04°24'41" | 14°21'03"  | 0.002  |
| 05/08/2011 00:00:00 | ♁  | 01°03'14" ♀ | 07°17'56"  | -04°03'39" | -00°09'38" | 0.651  |
| 05/08/2011 00:00:00 | ♁  | 09°05'22" ♀ | 18°59'24"  | 01°02'44"  | 01°13'59"  | 1.729  |
| 05/08/2011 00:00:00 | ♂  | 01°04'38" ♀ | 23°46'35"  | 00°20'36"  | 00°40'06"  | 2.114  |
| 05/08/2011 00:00:00 | ♃  | 09°18'33" ♂ | 13°22'22"  | -01°17'16" | 00°04'48"  | 4.797  |
| 05/08/2011 00:00:00 | ♃  | 12°39'30" ♀ | -02°49'29" | 02°21'41"  | 00°04'45"  | 10.110 |
| 05/08/2011 00:00:00 | ♃  | 04°18'00" ♀ | 01°00'44"  | -00°45'31" | -00°01'11" | 19.442 |
| 05/08/2011 00:00:00 | ♁  | 00°00'11" ♀ | -11°59'03" | -00°32'57" | -00°01'32" | 29.039 |
| 05/08/2011 00:00:00 | ♁  | 05°19'22" ♀ | -18°56'13" | 04°23'48"  | -00°01'08" | 31.258 |
| 05/08/2011 00:00:00 | ♁  | 22°11'28" ♀ | -23°12'26" | 00°00'00"  | -00°02'32" | 0.003  |
| 05/08/2011 00:00:00 | ♃  | 04°03'21" ♀ | -04°17'13" | 06°08'51"  | -00°02'40" | 15.901 |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 05/08/2011 00:00:00 | ☾ | 15°04'17" ♎ | 10°15'49"  | 04°41'43"  | 00°06'42"  | 0.003  |
| 05/08/2011 00:00:00 | ♁ | 22°11'28" ♈ | -23°12'26" | 00°00'00"  | -00°02'32" | 0.003  |
| 05/08/2011 00:00:00 | ♁ | 20°00'36" ♋ | 00°45'22"  | 05°07'21"  | -00°42'51" | 0.003  |
| 05/08/2011 00:00:00 | X | 22°28'03" ♎ | -03°44'02" | -13°25'20" | -00°00'10" | 96.248 |
| 05/08/2011 00:00:00 | Y | 23°06'42" ♉ | 07°01'12"  | -11°53'33" | 00°00'13"  | 87.301 |
| 06/08/2011 00:00:00 | ☉ | 13°13'17" ♋ | 16°50'54"  | -00°00'00" | 00°57'27"  | 1.014  |
| 06/08/2011 00:00:00 | ☾ | 07°07'40" ♋ | -17°19'18" | -03°37'59" | 14°08'25"  | 0.002  |
| 06/08/2011 00:00:00 | ♀ | 00°50'57" ♋ | 07°12'56"  | -04°13'34" | -00°14'54" | 0.642  |
| 06/08/2011 00:00:00 | ♀ | 10°19'22" ♋ | 18°41'03"  | 01°04'18"  | 01°14'00"  | 1.729  |
| 06/08/2011 00:00:00 | ♂ | 01°44'42" ♋ | 23°46'55"  | 00°21'22"  | 00°40'01"  | 2.110  |
| 06/08/2011 00:00:00 | ♂ | 09°23'16" ♉ | 13°23'40"  | -01°17'29" | 00°04'38"  | 4.782  |
| 06/08/2011 00:00:00 | ♃ | 12°44'18" ♉ | -02°51'31" | 02°21'30"  | 00°04'49"  | 10.124 |
| 06/08/2011 00:00:00 | ♃ | 04°16'47" ♎ | 01°00'14"  | -00°45'33" | -00°01'14" | 19.429 |
| 06/08/2011 00:00:00 | ♃ | 29°58'38" ♋ | -11°59'37" | -00°32'58" | -00°01'33" | 29.034 |
| 06/08/2011 00:00:00 | ♃ | 05°18'14" ♈ | -18°56'27" | 04°23'36"  | -00°01'07" | 31.269 |
| 06/08/2011 00:00:00 | ♁ | 22°09'53" ♈ | -23°12'20" | 00°00'00"  | -00°00'41" | 0.003  |
| 06/08/2011 00:00:00 | ♃ | 04°00'39" ♋ | -04°18'06" | 06°08'56"  | -00°02'42" | 15.897 |
| 06/08/2011 00:00:00 | ☾ | 15°10'59" ♎ | 10°18'05"  | 04°41'21"  | 00°06'42"  | 0.003  |
| 06/08/2011 00:00:00 | ♁ | 22°09'53" ♈ | -23°12'20" | 00°00'00"  | -00°00'41" | 0.003  |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 06/08/2011 00:00:00 | T♄ | 19°46'19" ♈ | 00°39'51"  | 05°07'25"  | 00°21'39"  | 0.003  |
| 06/08/2011 00:00:00 | X  | 22°27'53" ♏ | -03°44'11" | -13°25'26" | -00°00'10" | 96.232 |
| 06/08/2011 00:00:00 | Y  | 23°06'55" ♏ | 07°01'07"  | -11°53'41" | 00°00'12"  | 87.283 |
| 07/08/2011 00:00:00 | ☉  | 14°10'45" ♏ | 16°34'24"  | -00°00'00" | 00°57'28"  | 1.014  |
| 07/08/2011 00:00:00 | ☾  | 21°09'13" ♏ | -20°35'55" | -02°38'49" | 13°54'33"  | 0.002  |
| 07/08/2011 00:00:00 | ♀  | 00°33'25" ♏ | 07°10'35"  | -04°22'36" | -00°20'09" | 0.634  |
| 07/08/2011 00:00:00 | ♀  | 11°33'24" ♏ | 18°22'10"  | 01°05'49"  | 01°14'01"  | 1.730  |
| 07/08/2011 00:00:00 | ♂  | 02°24'42" ♏ | 23°47'03"  | 00°22'08"  | 00°39'57"  | 2.106  |
| 07/08/2011 00:00:00 | ♃  | 09°27'50" ♏ | 13°24'54"  | -01°17'41" | 00°04'28"  | 4.767  |
| 07/08/2011 00:00:00 | ♅  | 12°49'10" ♏ | -02°53'35" | 02°21'18"  | 00°04'54"  | 10.138 |
| 07/08/2011 00:00:00 | ♁  | 04°15'32" ♏ | 00°59'42"  | -00°45'35" | -00°01'16" | 19.416 |
| 07/08/2011 00:00:00 | ♃  | 29°57'05" ♏ | -12°00'10" | -00°32'59" | -00°01'33" | 29.030 |
| 07/08/2011 00:00:00 | ♁  | 05°17'07" ♏ | -18°56'41" | 04°23'25"  | -00°01'05" | 31.280 |
| 07/08/2011 00:00:00 | ♁  | 22°09'54" ♏ | -23°12'20" | 00°00'00"  | 00°00'36"  | 0.003  |
| 07/08/2011 00:00:00 | ♁  | 03°57'57" ♏ | -04°18'59" | 06°09'01"  | -00°02'43" | 15.892 |
| 07/08/2011 00:00:00 | ♁  | 15°17'42" ♏ | 10°20'22"  | 04°40'59"  | 00°06'42"  | 0.003  |
| 07/08/2011 00:00:00 | T♄ | 22°09'54" ♏ | -23°12'20" | 00°00'00"  | 00°00'36"  | 0.003  |
| 07/08/2011 00:00:00 | T♄ | 20°55'33" ♏ | 01°07'04"  | 05°07'36"  | 02°00'19"  | 0.003  |
| 07/08/2011 00:00:00 | X  | 22°27'42" ♏ | -03°44'21" | -13°25'32" | -00°00'11" | 96.217 |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 07/08/2011 00:00:00 | Y  | 23°07'07" ♄ | 07°01'02"  | -11°53'49" | 00°00'12"  | 87.266 |
| 08/08/2011 00:00:00 | ☉  | 15°08'14" ♁ | 16°17'39"  | -00°00'00" | 00°57'29"  | 1.014  |
| 08/08/2011 00:00:00 | ☾  | 04°56'48" ♀ | -22°37'00" | -01°31'19" | 13°40'40"  | 0.003  |
| 08/08/2011 00:00:00 | ♀  | 00°10'42" ♃ | 07°10'57"  | -04°30'38" | -00°25'16" | 0.626  |
| 08/08/2011 00:00:00 | ♀  | 12°47'26" ♁ | 18°02'46"  | 01°07'17"  | 01°14'02"  | 1.730  |
| 08/08/2011 00:00:00 | ♂  | 03°04'38" ♃ | 23°47'00"  | 00°22'55"  | 00°39'53"  | 2.102  |
| 08/08/2011 00:00:00 | ♃  | 09°32'12" ♄ | 13°26'05"  | -01°17'54" | 00°04'17"  | 4.751  |
| 08/08/2011 00:00:00 | ♅  | 12°54'06" ♄ | -02°55'40" | 02°21'07"  | 00°04'58"  | 10.152 |
| 08/08/2011 00:00:00 | ♃  | 04°14'14" ♃ | 00°59'10"  | -00°45'36" | -00°01'18" | 19.404 |
| 08/08/2011 00:00:00 | ♃  | 29°55'31" ♃ | -12°00'44" | -00°33'00" | -00°01'34" | 29.025 |
| 08/08/2011 00:00:00 | ♃  | 05°16'02" ♃ | -18°56'55" | 04°23'13"  | -00°01'04" | 31.291 |
| 08/08/2011 00:00:00 | ♁  | 22°10'47" ♀ | -23°12'23" | 00°00'00"  | 00°00'59"  | 0.003  |
| 08/08/2011 00:00:00 | ♃  | 03°55'12" ♃ | -04°19'54" | 06°09'06"  | -00°02'44" | 15.888 |
| 08/08/2011 00:00:00 | ♃  | 15°24'25" ♃ | 10°22'38"  | 04°40'37"  | 00°06'42"  | 0.003  |
| 08/08/2011 00:00:00 | T♁ | 22°10'47" ♀ | -23°12'23" | 00°00'00"  | 00°00'59"  | 0.003  |
| 08/08/2011 00:00:00 | T♃ | 23°48'19" ♃ | 02°14'42"  | 05°07'22"  | 03°43'00"  | 0.003  |
| 08/08/2011 00:00:00 | X  | 22°27'30" ♃ | -03°44'30" | -13°25'38" | -00°00'12" | 96.201 |
| 08/08/2011 00:00:00 | Y  | 23°07'19" ♄ | 07°00'57"  | -11°53'58" | 00°00'11"  | 87.249 |
| 09/08/2011 00:00:00 | ☉  | 16°05'44" ♁ | 16°00'38"  | -00°00'00" | 00°57'30"  | 1.014  |

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|                     |    |             |             |            |            |        |
|---------------------|----|-------------|-------------|------------|------------|--------|
| 09/08/2011 00:00:00 | ♃  | 18°30'46" ♃ | -23°16'07"  | -00°19'45" | 13°27'24"  | 0.003  |
| 09/08/2011 00:00:00 | ♆  | 29°42'56" ♆ | 07°14'06"   | -04°37'30" | -00°30'11" | 0.620  |
| 09/08/2011 00:00:00 | ♀  | 14°01'29" ♀ | 17°42'51"   | 01°08'42"  | 01°14'03"  | 1.730  |
| 09/08/2011 00:00:00 | ♂  | 03°44'30" ♂ | 23°46'44" ♂ | 00°23'41"  | 00°39'49"  | 2.098  |
| 09/08/2011 00:00:00 | ♂  | 09°36'24" ♂ | 13°27'12"   | -01°18'07" | 00°04'06"  | 4.736  |
| 09/08/2011 00:00:00 | ♄  | 12°59'06" ♄ | -02°57'46"  | 02°20'56"  | 00°05'02"  | 10.166 |
| 09/08/2011 00:00:00 | ♃  | 04°12'54" ♃ | 00°58'37"   | -00°45'38" | -00°01'21" | 19.391 |
| 09/08/2011 00:00:00 | ♆  | 29°53'56" ♆ | -12°01'18"  | -00°33'01" | -00°01'34" | 29.021 |
| 09/08/2011 00:00:00 | ♁  | 05°14'58" ♁ | -18°57'09"  | 04°23'01"  | -00°01'03" | 31.303 |
| 09/08/2011 00:00:00 | ♁  | 22°11'32" ♁ | -23°12'26"  | 00°00'00"  | 00°00'21"  | 0.003  |
| 09/08/2011 00:00:00 | ♃  | 03°52'27" ♃ | -04°20'49"  | 06°09'10"  | -00°02'45" | 15.884 |
| 09/08/2011 00:00:00 | ♁  | 15°31'07" ♁ | 10°24'54"   | 04°40'14"  | 00°06'42"  | 0.003  |
| 09/08/2011 00:00:00 | T♁ | 22°11'32" ♁ | -23°12'26"  | 00°00'00"  | 00°00'21"  | 0.003  |
| 09/08/2011 00:00:00 | T♃ | 28°12'24" ♃ | 03°57'25"   | 05°05'25"  | 04°58'35"  | 0.003  |
| 09/08/2011 00:00:00 | X  | 22°27'17" ♃ | -03°44'40"  | -13°25'44" | -00°00'12" | 96.186 |
| 09/08/2011 00:00:00 | Y  | 23°07'31" ♂ | 07°00'51"   | -11°54'06" | 00°00'10"  | 87.232 |
| 10/08/2011 00:00:00 | ♁  | 17°03'15" ♁ | 15°43'22"   | -00°00'00" | 00°57'31"  | 1.014  |
| 10/08/2011 00:00:00 | ♃  | 01°51'53" ♃ | -22°33'47"  | 00°51'40"  | 13°14'56"  | 0.003  |
| 10/08/2011 00:00:00 | ♆  | 29°10'24" ♆ | 07°20'04"   | -04°43'05" | -00°34'49" | 0.615  |



Ephemerides year 2011

|                     |    |             |             |            |            |        |
|---------------------|----|-------------|-------------|------------|------------|--------|
| 10/08/2011 00:00:00 | ♀  | 15°15'33" ♈ | 17°22'27"   | 01°10'03"  | 01°14'04"  | 1.731  |
| 10/08/2011 00:00:00 | ♂  | 04°24'17" ♉ | 23°46'17" ♁ | 00°24'28"  | 00°39'45"  | 2.094  |
| 10/08/2011 00:00:00 | ♃  | 09°40'26" ♉ | 13°28'16"   | -01°18'19" | 00°03'55"  | 4.721  |
| 10/08/2011 00:00:00 | ♅  | 13°04'11" ♋ | -02°59'54"  | 02°20'46"  | 00°05'06"  | 10.180 |
| 10/08/2011 00:00:00 | ♁  | 04°11'32" ♈ | 00°58'03"   | -00°45'40" | -00°01'23" | 19.379 |
| 10/08/2011 00:00:00 | ♆  | 29°52'21" ♋ | -12°01'53"  | -00°33'02" | -00°01'35" | 29.018 |
| 10/08/2011 00:00:00 | ♄  | 05°13'55" ♈ | -18°57'23"  | 04°22'50"  | -00°01'02" | 31.315 |
| 10/08/2011 00:00:00 | ♁  | 22°11'10" ♈ | -23°12'24"  | 00°00'00"  | -00°01'13" | 0.003  |
| 10/08/2011 00:00:00 | ♆  | 03°49'41" ♈ | -04°21'45"  | 06°09'13"  | -00°02'47" | 15.880 |
| 10/08/2011 00:00:00 | ♁  | 15°37'50" ♈ | 10°27'09"   | 04°39'52"  | 00°06'42"  | 0.003  |
| 10/08/2011 00:00:00 | T♁ | 22°11'10" ♈ | -23°12'24"  | 00°00'00"  | -00°01'13" | 0.003  |
| 10/08/2011 00:00:00 | T♁ | 03°30'01" ♈ | 05°59'17"   | 05°00'37"  | 05°28'14"  | 0.003  |
| 10/08/2011 00:00:00 | X  | 22°27'05" ♈ | -03°44'50"  | -13°25'49" | -00°00'13" | 96.171 |
| 10/08/2011 00:00:00 | Y  | 23°07'41" ♉ | 07°00'46"   | -11°54'14" | 00°00'10"  | 87.214 |
| 11/08/2011 00:00:00 | ♁  | 18°00'46" ♈ | 15°25'51"   | 00°00'00"  | 00°57'31"  | 1.014  |
| 11/08/2011 00:00:00 | ♃  | 15°00'52" ♈ | -20°37'08"  | 01°59'07"  | 13°03'07"  | 0.003  |
| 11/08/2011 00:00:00 | ♆  | 28°33'25" ♈ | 07°28'50"   | -04°47'13" | -00°39'03" | 0.611  |
| 11/08/2011 00:00:00 | ♀  | 16°29'38" ♈ | 17°01'33"   | 01°11'22"  | 01°14'05"  | 1.731  |
| 11/08/2011 00:00:00 | ♂  | 05°04'01" ♉ | 23°45'38" ♁ | 00°25'14"  | 00°39'41"  | 2.090  |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 11/08/2011 00:00:00 | ♃ | 09°44'16" ♂ | 13°29'17"  | -01°18'32" | 00°03'45"  | 4.706  |
| 11/08/2011 00:00:00 | ♅ | 13°09'19" ♀ | -03°02'04" | 02°20'35"  | 00°05'10"  | 10.194 |
| 11/08/2011 00:00:00 | ♁ | 04°10'07" ♀ | 00°57'28"  | -00°45'41" | -00°01'26" | 19.367 |
| 11/08/2011 00:00:00 | ♆ | 29°50'46" ♀ | -12°02'27" | -00°33'03" | -00°01'35" | 29.014 |
| 11/08/2011 00:00:00 | ♄ | 05°12'54" ♀ | -18°57'38" | 04°22'38"  | -00°01'00" | 31.327 |
| 11/08/2011 00:00:00 | ♁ | 22°08'52" ♀ | -23°12'16" | 00°00'00"  | -00°03'27" | 0.003  |
| 11/08/2011 00:00:00 | ♆ | 03°46'53" ♀ | -04°22'41" | 06°09'17"  | -00°02'48" | 15.877 |
| 11/08/2011 00:00:00 | ♁ | 15°44'33" ♀ | 10°29'25"  | 04°39'29"  | 00°06'42"  | 0.003  |
| 11/08/2011 00:00:00 | ♁ | 22°08'52" ♀ | -23°12'16" | 00°00'00"  | -00°03'27" | 0.003  |
| 11/08/2011 00:00:00 | ♁ | 08°52'15" ♀ | 08°00'08"  | 04°52'59"  | 05°08'28"  | 0.003  |
| 11/08/2011 00:00:00 | X | 22°26'51" ♀ | -03°45'00" | -13°25'55" | -00°00'13" | 96.156 |
| 11/08/2011 00:00:00 | Y | 23°07'51" ♂ | 07°00'40"  | -11°54'22" | 00°00'09"  | 87.197 |
| 12/08/2011 00:00:00 | ♁ | 18°58'19" ♀ | 15°08'05"  | 00°00'00"  | 00°57'32"  | 1.013  |
| 12/08/2011 00:00:00 | ♁ | 27°58'15" ♀ | -17°38'14" | 02°59'13"  | 12°51'40"  | 0.003  |
| 12/08/2011 00:00:00 | ♁ | 27°52'27" ♀ | 07°40'21"  | -04°49'47" | -00°42'47" | 0.607  |
| 12/08/2011 00:00:00 | ♁ | 17°43'44" ♀ | 16°40'12"  | 01°12'37"  | 01°14'06"  | 1.731  |
| 12/08/2011 00:00:00 | ♁ | 05°43'40" ♀ | 23°44'48"  | 00°26'01"  | 00°39'37"  | 2.086  |
| 12/08/2011 00:00:00 | ♃ | 09°47'56" ♂ | 13°30'13"  | -01°18'45" | 00°03'34"  | 4.691  |
| 12/08/2011 00:00:00 | ♅ | 13°14'32" ♀ | -03°04'14" | 02°20'25"  | 00°05'14"  | 10.207 |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 12/08/2011 00:00:00 | ♃ | 04°08'40" ♀ | 00°56'52"  | -00°45'43" | -00°01'28" | 19.355 |
| 12/08/2011 00:00:00 | ♃ | 29°49'10" ♀ | -12°03'01" | -00°33'04" | -00°01'36" | 29.011 |
| 12/08/2011 00:00:00 | ♃ | 05°11'54" ♀ | -18°57'52" | 04°22'26"  | -00°00'59" | 31.339 |
| 12/08/2011 00:00:00 | ♃ | 22°04'10" ♀ | -23°12'00" | 00°00'00"  | -00°05'57" | 0.003  |
| 12/08/2011 00:00:00 | ♃ | 03°44'04" ♀ | -04°23'39" | 06°09'19"  | -00°02'49" | 15.874 |
| 12/08/2011 00:00:00 | ♃ | 15°51'15" ♀ | 10°31'40"  | 04°39'07"  | 00°06'42"  | 0.003  |
| 12/08/2011 00:00:00 | ♃ | 22°04'10" ♀ | -23°12'00" | 00°00'00"  | -00°05'57" | 0.003  |
| 12/08/2011 00:00:00 | ♃ | 13°33'38" ♀ | 09°42'35"  | 04°44'00"  | 04°09'01"  | 0.003  |
| 12/08/2011 00:00:00 | X | 22°26'37" ♀ | -03°45'11" | -13°26'01" | -00°00'14" | 96.141 |
| 12/08/2011 00:00:00 | Y | 23°08'00" ♀ | 07°00'34"  | -11°54'31" | 00°00'08"  | 87.180 |
| 13/08/2011 00:00:00 | ♃ | 19°55'52" ♀ | 14°50'05"  | 00°00'00"  | 00°57'33"  | 1.013  |
| 13/08/2011 00:00:00 | ♃ | 10°44'15" ♀ | -13°51'37" | 03°49'16"  | 12°40'20"  | 0.003  |
| 13/08/2011 00:00:00 | ♃ | 27°08'03" ♀ | 07°54'30"  | -04°50'40" | -00°45'53" | 0.606  |
| 13/08/2011 00:00:00 | ♃ | 18°57'51" ♀ | 16°18'22"  | 01°13'49"  | 01°14'07"  | 1.731  |
| 13/08/2011 00:00:00 | ♃ | 06°23'16" ♀ | 23°43'45"  | 00°26'47"  | 00°39'33"  | 2.081  |
| 13/08/2011 00:00:00 | ♃ | 09°51'25" ♀ | 13°31'07"  | -01°18'58" | 00°03'23"  | 4.676  |
| 13/08/2011 00:00:00 | ♃ | 13°19'48" ♀ | -03°06'26" | 02°20'14"  | 00°05'18"  | 10.221 |
| 13/08/2011 00:00:00 | ♃ | 04°07'10" ♀ | 00°56'15"  | -00°45'44" | -00°01'30" | 19.343 |
| 13/08/2011 00:00:00 | ♃ | 29°47'34" ♀ | -12°03'36" | -00°33'05" | -00°01'36" | 29.008 |

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|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 13/08/2011 00:00:00 | ♁ | 05°10'55" ♀ | -18°58'06" | 04°22'14"  | -00°00'58" | 31.351 |
| 13/08/2011 00:00:00 | ♁ | 21°57'00" ♀ | -23°11'34" | 00°00'00"  | -00°08'18" | 0.003  |
| 13/08/2011 00:00:00 | ♁ | 03°41'14" ♀ | -04°24'37" | 06°09'22"  | -00°02'50" | 15.871 |
| 13/08/2011 00:00:00 | ♁ | 15°57'58" ♀ | 10°33'56"  | 04°38'44"  | 00°06'42"  | 0.003  |
| 13/08/2011 00:00:00 | ♁ | 21°57'00" ♀ | -23°11'34" | 00°00'00"  | -00°08'18" | 0.003  |
| 13/08/2011 00:00:00 | ♁ | 17°03'14" ♀ | 10°56'29"  | 04°35'48"  | 02°48'28"  | 0.003  |
| 13/08/2011 00:00:00 | X | 22°26'22" ♀ | -03°45'21" | -13°26'06" | -00°00'15" | 96.126 |
| 13/08/2011 00:00:00 | Y | 23°08'09" ♀ | 07°00'28"  | -11°54'39" | 00°00'08"  | 87.162 |
| 14/08/2011 00:00:00 | ♁ | 20°53'27" ♀ | 14°31'50"  | 00°00'00"  | 00°57'35"  | 1.013  |
| 14/08/2011 00:00:00 | ♁ | 23°18'57" ♀ | -09°32'04" | 04°27'15"  | 12°29'06"  | 0.003  |
| 14/08/2011 00:00:00 | ♁ | 26°20'54" ♀ | 08°11'07"  | -04°49'46" | -00°48'16" | 0.605  |
| 14/08/2011 00:00:00 | ♁ | 20°11'59" ♀ | 15°56'05"  | 01°14'57"  | 01°14'08"  | 1.731  |
| 14/08/2011 00:00:00 | ♁ | 07°02'47" ♀ | 23°42'32"  | 00°27'34"  | 00°39'29"  | 2.077  |
| 14/08/2011 00:00:00 | ♁ | 09°54'42" ♀ | 13°31'57"  | -01°19'11" | 00°03'11"  | 4.661  |
| 14/08/2011 00:00:00 | ♁ | 13°25'08" ♀ | -03°08'40" | 02°20'04"  | 00°05'21"  | 10.234 |
| 14/08/2011 00:00:00 | ♁ | 04°05'38" ♀ | 00°55'37"  | -00°45'46" | -00°01'32" | 19.331 |
| 14/08/2011 00:00:00 | ♁ | 29°45'57" ♀ | -12°04'11" | -00°33'06" | -00°01'36" | 29.006 |
| 14/08/2011 00:00:00 | ♁ | 05°09'58" ♀ | -18°58'21" | 04°22'01"  | -00°00'56" | 31.364 |
| 14/08/2011 00:00:00 | ♁ | 21°47'45" ♀ | -23°11'00" | 00°00'00"  | -00°10'05" | 0.003  |

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|                     |   |              |            |            |            |        |
|---------------------|---|--------------|------------|------------|------------|--------|
| 14/08/2011 00:00:00 | ♁ | 03°38'23" ♈r | -04°25'36" | 06°09'24"  | -00°02'51" | 15.869 |
| 14/08/2011 00:00:00 | ♁ | 16°04'40" ♈  | 10°36'10"  | 04°38'21"  | 00°06'42"  | 0.003  |
| 14/08/2011 00:00:00 | ♁ | 21°47'45" ♈r | -23°11'00" | 00°00'00"  | -00°10'05" | 0.003  |
| 14/08/2011 00:00:00 | ♁ | 19°10'54" ♈  | 11°40'08"  | 04°29'57"  | 01°28'46"  | 0.003  |
| 14/08/2011 00:00:00 | X | 22°26'07" ♈r | -03°45'32" | -13°26'12" | -00°00'15" | 96.112 |
| 14/08/2011 00:00:00 | Y | 23°08'16" ♉  | 07°00'22"  | -11°54'47" | 00°00'07"  | 87.145 |
| 15/08/2011 00:00:00 | ♁ | 21°51'02" ♉  | 14°13'22"  | 00°00'00"  | 00°57'36"  | 1.013  |
| 15/08/2011 00:00:00 | ♁ | 05°42'33" ♈  | -04°53'17" | 04°51'55"  | 12°18'11"  | 0.003  |
| 15/08/2011 00:00:00 | ♁ | 25°31'46" ♉r | 08°30'00"  | -04°47'02" | -00°49'50" | 0.606  |
| 15/08/2011 00:00:00 | ♀ | 21°26'08" ♉  | 15°33'22"  | 01°16'02"  | 01°14'09"  | 1.731  |
| 15/08/2011 00:00:00 | ♂ | 07°42'14" ♉  | 23°41'07"  | 00°28'21"  | 00°39'25"  | 2.073  |
| 15/08/2011 00:00:00 | ♁ | 09°57'49" ♉  | 13°32'43"  | -01°19'24" | 00°03'00"  | 4.646  |
| 15/08/2011 00:00:00 | ♁ | 13°30'31" ♉  | -03°10'54" | 02°19'54"  | 00°05'25"  | 10.247 |
| 15/08/2011 00:00:00 | ♁ | 04°04'04" ♈r | 00°54'58"  | -00°45'47" | -00°01'35" | 19.320 |
| 15/08/2011 00:00:00 | ♁ | 29°44'20" ♈r | -12°04'46" | -00°33'07" | -00°01'37" | 29.003 |
| 15/08/2011 00:00:00 | ♁ | 05°09'02" ♈r | -18°58'35" | 04°21'49"  | -00°00'55" | 31.377 |
| 15/08/2011 00:00:00 | ♁ | 21°37'06" ♈r | -23°10'20" | 00°00'00"  | -00°11'01" | 0.003  |
| 15/08/2011 00:00:00 | ♁ | 03°35'31" ♈r | -04°26'35" | 06°09'26"  | -00°02'52" | 15.866 |
| 15/08/2011 00:00:00 | ♁ | 16°11'23" ♈  | 10°38'25"  | 04°37'58"  | 00°06'42"  | 0.003  |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 15/08/2011 00:00:00 | T♄ | 21°37'06" ♏ | -23°10'20" | 00°00'00"  | -00°11'01" | 0.003  |
| 15/08/2011 00:00:00 | T♄ | 20°07'26" ♏ | 11°58'50"  | 04°26'51"  | 00°28'41"  | 0.003  |
| 15/08/2011 00:00:00 | X  | 22°25'51" ♏ | -03°45'43" | -13°26'17" | -00°00'16" | 96.097 |
| 15/08/2011 00:00:00 | Y  | 23°08'23" ♏ | 07°00'16"  | -11°54'55" | 00°00'06"  | 87.127 |
| 16/08/2011 00:00:00 | ☉  | 22°48'39" ♏ | 13°54'40"  | 00°00'00"  | 00°57'37"  | 1.013  |
| 16/08/2011 00:00:00 | ☾  | 17°55'36" ♏ | -00°07'27" | 05°02'45"  | 12°08'06"  | 0.003  |
| 16/08/2011 00:00:00 | ♀  | 24°41'31" ♏ | 08°50'53"  | -04°42'25" | -00°50'30" | 0.609  |
| 16/08/2011 00:00:00 | ♀  | 22°40'18" ♏ | 15°10'13"  | 01°17'03"  | 01°14'10"  | 1.731  |
| 16/08/2011 00:00:00 | ♂  | 08°21'37" ♏ | 23°39'30"  | 00°29'08"  | 00°39'21"  | 2.068  |
| 16/08/2011 00:00:00 | ♃  | 10°00'44" ♏ | 13°33'26"  | -01°19'37" | 00°02'49"  | 4.631  |
| 16/08/2011 00:00:00 | ♅  | 13°35'59" ♏ | -03°13'10" | 02°19'44"  | 00°05'29"  | 10.260 |
| 16/08/2011 00:00:00 | ♁  | 04°02'28" ♏ | 00°54'19"  | -00°45'48" | -00°01'37" | 19.309 |
| 16/08/2011 00:00:00 | ♃  | 29°42'43" ♏ | -12°05'21" | -00°33'07" | -00°01'37" | 29.001 |
| 16/08/2011 00:00:00 | ♁  | 05°08'07" ♏ | -18°58'50" | 04°21'37"  | -00°00'53" | 31.390 |
| 16/08/2011 00:00:00 | ♁  | 21°26'02" ♏ | -23°09'38" | 00°00'00"  | -00°10'57" | 0.003  |
| 16/08/2011 00:00:00 | ♁  | 03°32'39" ♏ | -04°27'35" | 06°09'27"  | -00°02'53" | 15.864 |
| 16/08/2011 00:00:00 | ♁  | 16°18'05" ♏ | 10°40'40"  | 04°37'35"  | 00°06'42"  | 0.003  |
| 16/08/2011 00:00:00 | T♄ | 21°26'02" ♏ | -23°09'38" | 00°00'00"  | -00°10'57" | 0.003  |
| 16/08/2011 00:00:00 | T♄ | 20°17'53" ♏ | 12°01'50"  | 04°25'47"  | -00°03'01" | 0.003  |

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|                     |    |             |             |            |            |        |
|---------------------|----|-------------|-------------|------------|------------|--------|
| 16/08/2011 00:00:00 | X  | 22°25'34" ♄ | -03°45'53"  | -13°26'23" | -00°00'16" | 96.083 |
| 16/08/2011 00:00:00 | Y  | 23°08'29" ♃ | 07°00'09"   | -11°55'04" | 00°00'05"  | 87.110 |
| 17/08/2011 00:00:00 | ☉  | 23°46'17" ♋ | 13°35'45"   | 00°00'00"  | 00°57'39"  | 1.013  |
| 17/08/2011 00:00:00 | ☾  | 29°59'16" ♋ | 04°34'46"   | 04°59'52"  | 11°59'32"  | 0.003  |
| 17/08/2011 00:00:00 | ♀  | 23°51'05" ♋ | 09°13'28"   | -04°35'55" | -00°50'12" | 0.613  |
| 17/08/2011 00:00:00 | ♀  | 23°54'28" ♋ | 14°46'39"   | 01°18'01"  | 01°14'11"  | 1.730  |
| 17/08/2011 00:00:00 | ♂  | 09°00'57" ♉ | 23°37'42" ♁ | 00°29'55"  | 00°39'17"  | 2.064  |
| 17/08/2011 00:00:00 | ♃  | 10°03'28" ♃ | 13°34'05"   | -01°19'50" | 00°02'38"  | 4.616  |
| 17/08/2011 00:00:00 | ♅  | 13°41'30" ♌ | -03°15'27"  | 02°19'34"  | 00°05'32"  | 10.273 |
| 17/08/2011 00:00:00 | ♁  | 04°00'50" ♄ | 00°53'39"   | -00°45'50" | -00°01'39" | 19.298 |
| 17/08/2011 00:00:00 | ♁  | 29°41'05" ♁ | -12°05'56"  | -00°33'08" | -00°01'37" | 28.999 |
| 17/08/2011 00:00:00 | ♁  | 05°07'14" ♁ | -18°59'04"  | 04°21'24"  | -00°00'52" | 31.403 |
| 17/08/2011 00:00:00 | ♁  | 21°15'31" ♁ | -23°08'57"  | 00°00'00"  | -00°09'54" | 0.002  |
| 17/08/2011 00:00:00 | ♁  | 03°29'45" ♁ | -04°28'36"  | 06°09'28"  | -00°02'53" | 15.863 |
| 17/08/2011 00:00:00 | ♁  | 16°24'48" ♁ | 10°42'54"   | 04°37'11"  | 00°06'42"  | 0.003  |
| 17/08/2011 00:00:00 | T♁ | 21°15'31" ♁ | -23°08'57"  | 00°00'00"  | -00°09'54" | 0.002  |
| 17/08/2011 00:00:00 | T♁ | 20°09'42" ♁ | 11°58'40"   | 04°25'44"  | -00°10'04" | 0.003  |
| 17/08/2011 00:00:00 | X  | 22°25'17" ♄ | -03°46'05"  | -13°26'28" | -00°00'17" | 96.069 |
| 17/08/2011 00:00:00 | Y  | 23°08'35" ♃ | 07°00'02"   | -11°55'12" | 00°00'05"  | 87.093 |

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|                     |   |             |             |            |            |        |
|---------------------|---|-------------|-------------|------------|------------|--------|
| 18/08/2011 00:00:00 | ☉ | 24°43'57" ♈ | 13°16'36"   | 00°00'00"  | 00°57'40"  | 1.012  |
| 18/08/2011 00:00:00 | ☾ | 11°55'28" ♏ | 09°03'57"   | 04°43'50"  | 11°53'19"  | 0.003  |
| 18/08/2011 00:00:00 | ♁ | 23°01'26" ♈ | 09°37'23"   | -04°27'35" | -00°48'54" | 0.619  |
| 18/08/2011 00:00:00 | ♂ | 25°08'40" ♈ | 14°22'41"   | 01°18'55"  | 01°14'12"  | 1.730  |
| 18/08/2011 00:00:00 | ♂ | 09°40'12" ♉ | 23°35'43" ♁ | 00°30'42"  | 00°39'13"  | 2.060  |
| 18/08/2011 00:00:00 | ♃ | 10°06'00" ♉ | 13°34'40"   | -01°20'02" | 00°02'26"  | 4.602  |
| 18/08/2011 00:00:00 | ♄ | 13°47'04" ♉ | -03°17'45"  | 02°19'25"  | 00°05'36"  | 10.286 |
| 18/08/2011 00:00:00 | ♅ | 03°59'09" ♏ | 00°52'58"   | -00°45'51" | -00°01'41" | 19.288 |
| 18/08/2011 00:00:00 | ♆ | 29°39'27" ♏ | -12°06'31"  | -00°33'09" | -00°01'38" | 28.998 |
| 18/08/2011 00:00:00 | ♇ | 05°06'22" ♏ | -18°59'19"  | 04°21'12"  | -00°00'51" | 31.416 |
| 18/08/2011 00:00:00 | ♈ | 21°06'30" ♏ | -23°08'21"  | 00°00'00"  | -00°08'02" | 0.002  |
| 18/08/2011 00:00:00 | ♉ | 03°26'51" ♏ | -04°29'38"  | 06°09'28"  | -00°02'54" | 15.861 |
| 18/08/2011 00:00:00 | ♊ | 16°31'30" ♏ | 10°45'08"   | 04°36'48"  | 00°06'42"  | 0.003  |
| 18/08/2011 00:00:00 | ♋ | 21°06'30" ♏ | -23°08'21"  | 00°00'00"  | -00°08'02" | 0.002  |
| 18/08/2011 00:00:00 | ♌ | 20°01'59" ♏ | 11°55'51"   | 04°25'51"  | -00°04'20" | 0.003  |
| 18/08/2011 00:00:00 | ♍ | 22°25'00" ♏ | -03°46'16"  | -13°26'34" | -00°00'17" | 96.054 |
| 18/08/2011 00:00:00 | ♎ | 23°08'40" ♏ | 06°59'55"   | -11°55'20" | 00°00'04"  | 87.075 |
| 19/08/2011 00:00:00 | ☉ | 25°41'38" ♈ | 12°57'15"   | 00°00'00"  | 00°57'42"  | 1.012  |
| 19/08/2011 00:00:00 | ☾ | 23°47'00" ♏ | 13°11'12"   | 04°15'38"  | 11°50'19"  | 0.003  |



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|                     |    |             |             |            |            |        |
|---------------------|----|-------------|-------------|------------|------------|--------|
| 19/08/2011 00:00:00 | ♀  | 22°13'35" ♀ | 10°02'15"   | -04°17'29" | -00°46'37" | 0.626  |
| 19/08/2011 00:00:00 | ♀  | 26°22'53" ♀ | 13°58'18"   | 01°19'46"  | 01°14'13"  | 1.730  |
| 19/08/2011 00:00:00 | ♂  | 10°19'23" ♀ | 23°33'33" ♀ | 00°31'30"  | 00°39'08"  | 2.055  |
| 19/08/2011 00:00:00 | ♂  | 10°08'21" ♀ | 13°35'12"   | -01°20'15" | 00°02'15"  | 4.587  |
| 19/08/2011 00:00:00 | ♂  | 13°52'42" ♀ | -03°20'05"  | 02°19'15"  | 00°05'39"  | 10.298 |
| 19/08/2011 00:00:00 | ♂  | 03°57'27" ♀ | 00°52'16"   | -00°45'52" | -00°01'43" | 19.277 |
| 19/08/2011 00:00:00 | ♂  | 29°37'49" ♀ | -12°07'06"  | -00°33'10" | -00°01'38" | 28.997 |
| 19/08/2011 00:00:00 | ♂  | 05°05'32" ♀ | -18°59'33"  | 04°20'59"  | -00°00'49" | 31.430 |
| 19/08/2011 00:00:00 | ♂  | 20°59'35" ♀ | -23°07'53"  | 00°00'00"  | -00°05'43" | 0.002  |
| 19/08/2011 00:00:00 | ♂  | 03°23'56" ♀ | -04°30'40"  | 06°09'28"  | -00°02'54" | 15.860 |
| 19/08/2011 00:00:00 | ♂  | 16°38'12" ♀ | 10°47'22"   | 04°36'24"  | 00°06'42"  | 0.003  |
| 19/08/2011 00:00:00 | T♂ | 20°59'35" ♀ | -23°07'53"  | 00°00'00"  | -00°05'43" | 0.002  |
| 19/08/2011 00:00:00 | T♂ | 20°00'58" ♀ | 11°55'28"   | 04°25'52"  | 00°01'22"  | 0.003  |
| 19/08/2011 00:00:00 | X  | 22°24'42" ♀ | -03°46'27"  | -13°26'39" | -00°00'18" | 96.040 |
| 19/08/2011 00:00:00 | Y  | 23°08'44" ♀ | 06°59'48"   | -11°55'29" | 00°00'03"  | 87.058 |
| 20/08/2011 00:00:00 | ♂  | 26°39'21" ♀ | 12°37'42"   | 00°00'00"  | 00°57'43"  | 1.012  |
| 20/08/2011 00:00:00 | ♂  | 05°37'28" ♀ | 16°47'43"   | 03°36'28"  | 11°51'20"  | 0.003  |
| 20/08/2011 00:00:00 | ♀  | 21°28'32" ♀ | 10°27'41"   | -04°05'44" | -00°43'20" | 0.635  |
| 20/08/2011 00:00:00 | ♀  | 27°37'07" ♀ | 13°33'33"   | 01°20'33"  | 01°14'14"  | 1.730  |

Ephemerides year 2011

|                     |   |             |             |            |            |        |
|---------------------|---|-------------|-------------|------------|------------|--------|
| 20/08/2011 00:00:00 | ♂ | 10°58'30" ♃ | 23°31'12" ♁ | 00°32'17"  | 00°39'04"  | 2.051  |
| 20/08/2011 00:00:00 | ♃ | 10°10'31" ♃ | 13°35'40"   | -01°20'28" | 00°02'03"  | 4.572  |
| 20/08/2011 00:00:00 | ♃ | 13°58'24" ♃ | -03°22'25"  | 02°19'06"  | 00°05'43"  | 10.310 |
| 20/08/2011 00:00:00 | ♃ | 03°55'42" ♃ | 00°51'33"   | -00°45'54" | -00°01'45" | 19.267 |
| 20/08/2011 00:00:00 | ♃ | 29°36'11" ♃ | -12°07'41"  | -00°33'10" | -00°01'38" | 28.996 |
| 20/08/2011 00:00:00 | ♃ | 05°04'43" ♃ | -18°59'48"  | 04°20'46"  | -00°00'47" | 31.444 |
| 20/08/2011 00:00:00 | ♃ | 20°55'05" ♃ | -23°07'35"  | 00°00'00"  | -00°03'18" | 0.002  |
| 20/08/2011 00:00:00 | ♃ | 03°21'01" ♃ | -04°31'42"  | 06°09'28"  | -00°02'55" | 15.859 |
| 20/08/2011 00:00:00 | ♃ | 16°44'55" ♃ | 10°49'36"   | 04°36'01"  | 00°06'42"  | 0.003  |
| 20/08/2011 00:00:00 | ♃ | 20°55'05" ♃ | -23°07'35"  | 00°00'00"  | -00°03'18" | 0.002  |
| 20/08/2011 00:00:00 | ♃ | 20°01'32" ♃ | 11°55'45"   | 04°25'56"  | -00°02'20" | 0.003  |
| 20/08/2011 00:00:00 | X | 22°24'23" ♃ | -03°46'39"  | -13°26'44" | -00°00'18" | 96.027 |
| 20/08/2011 00:00:00 | Y | 23°08'48" ♃ | 06°59'41"   | -11°55'37" | 00°00'03"  | 87.040 |
| 21/08/2011 00:00:00 | ♃ | 27°37'06" ♃ | 12°17'57"   | 00°00'00"  | 00°57'45"  | 1.012  |
| 21/08/2011 00:00:00 | ♃ | 17°31'15" ♃ | 19°44'21"   | 02°47'42"  | 11°57'01"  | 0.003  |
| 21/08/2011 00:00:00 | ♃ | 20°47'13" ♃ | 10°53'15"   | -03°52'28" | -00°39'08" | 0.646  |
| 21/08/2011 00:00:00 | ♃ | 28°51'22" ♃ | 13°08'26"   | 01°21'16"  | 01°14'15"  | 1.729  |
| 21/08/2011 00:00:00 | ♂ | 11°37'32" ♃ | 23°28'40" ♁ | 00°33'04"  | 00°39'00"  | 2.046  |
| 21/08/2011 00:00:00 | ♃ | 10°12'29" ♃ | 13°36'04"   | -01°20'41" | 00°01'52"  | 4.558  |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 21/08/2011 00:00:00 | ♃ | 14°04'09" ♁ | -03°24'47" | 02°18'57"  | 00°05'46"  | 10.322 |
| 21/08/2011 00:00:00 | ♃ | 03°53'56" ♃ | 00°50'50"  | -00°45'55" | -00°01'47" | 19.257 |
| 21/08/2011 00:00:00 | ♃ | 29°34'32" ♃ | -12°08'16" | -00°33'11" | -00°01'38" | 28.995 |
| 21/08/2011 00:00:00 | ♃ | 05°03'56" ♃ | -19°00'02" | 04°20'34"  | -00°00'46" | 31.458 |
| 21/08/2011 00:00:00 | ♃ | 20°52'50" ♃ | -23°07'25" | 00°00'00"  | -00°01'15" | 0.002  |
| 21/08/2011 00:00:00 | ♃ | 03°18'06" ♃ | -04°32'45" | 06°09'27"  | -00°02'55" | 15.859 |
| 21/08/2011 00:00:00 | ♃ | 16°51'37" ♃ | 10°51'49"  | 04°35'37"  | 00°06'42"  | 0.003  |
| 21/08/2011 00:00:00 | ♃ | 20°52'50" ♃ | -23°07'25" | 00°00'00"  | -00°01'15" | 0.002  |
| 21/08/2011 00:00:00 | ♃ | 19°51'26" ♃ | 11°52'24"  | 04°26'28"  | -00°20'28" | 0.003  |
| 21/08/2011 00:00:00 | X | 22°24'04" ♃ | -03°46'50" | -13°26'49" | -00°00'19" | 96.013 |
| 21/08/2011 00:00:00 | Y | 23°08'50" ♃ | 06°59'33"  | -11°55'45" | 00°00'02"  | 87.023 |
| 22/08/2011 00:00:00 | ♃ | 28°34'52" ♃ | 11°57'59"  | 00°00'00"  | 00°57'46"  | 1.012  |
| 22/08/2011 00:00:00 | ♃ | 29°33'13" ♃ | 21°51'33"  | 01°50'57"  | 12°07'49"  | 0.003  |
| 22/08/2011 00:00:00 | ♃ | 20°10'33" ♃ | 11°18'33"  | -03°37'52" | -00°34'04" | 0.658  |
| 22/08/2011 00:00:00 | ♃ | 00°05'38" ♃ | 12°42'57"  | 01°21'56"  | 01°14'16"  | 1.729  |
| 22/08/2011 00:00:00 | ♃ | 12°16'31" ♃ | 23°25'58"  | 00°33'52"  | 00°38'56"  | 2.041  |
| 22/08/2011 00:00:00 | ♃ | 10°14'15" ♃ | 13°36'25"  | -01°20'54" | 00°01'40"  | 4.543  |
| 22/08/2011 00:00:00 | ♃ | 14°09'58" ♁ | -03°27'10" | 02°18'48"  | 00°05'50"  | 10.334 |
| 22/08/2011 00:00:00 | ♃ | 03°52'07" ♃ | 00°50'05"  | -00°45'56" | -00°01'49" | 19.247 |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 22/08/2011 00:00:00 | ♁  | 29°32'54" ♋ | -12°08'52" | -00°33'12" | -00°01'38" | 28.995 |
| 22/08/2011 00:00:00 | ♁  | 05°03'10" ♋ | -19°00'17" | 04°20'21"  | -00°00'44" | 31.472 |
| 22/08/2011 00:00:00 | ♁  | 20°52'19" ♋ | -23°07'23" | 00°00'00"  | 00°00'04"  | 0.002  |
| 22/08/2011 00:00:00 | ♁  | 03°15'10" ♋ | -04°33'49" | 06°09'26"  | -00°02'56" | 15.859 |
| 22/08/2011 00:00:00 | ♁  | 16°58'20" ♋ | 10°54'02"  | 04°35'13"  | 00°06'42"  | 0.003  |
| 22/08/2011 00:00:00 | T♁ | 20°52'19" ♋ | -23°07'23" | 00°00'00"  | 00°00'04"  | 0.002  |
| 22/08/2011 00:00:00 | T♁ | 19°15'30" ♋ | 11°40'08"  | 04°28'02"  | -00°53'46" | 0.003  |
| 22/08/2011 00:00:00 | X  | 22°23'44" ♋ | -03°47'02" | -13°26'54" | -00°00'19" | 96.000 |
| 22/08/2011 00:00:00 | Y  | 23°08'53" ♋ | 06°59'26"  | -11°55'54" | 00°00'01"  | 87.006 |
| 23/08/2011 00:00:00 | ♁  | 29°32'40" ♋ | 11°37'51"  | -00°00'00" | 00°57'48"  | 1.011  |
| 23/08/2011 00:00:00 | ♁  | 11°48'38" ♋ | 22°59'46"  | 00°48'05"  | 12°23'52"  | 0.003  |
| 23/08/2011 00:00:00 | ♁  | 19°39'20" ♋ | 11°43'12"  | -03°22'08" | -00°28'13" | 0.672  |
| 23/08/2011 00:00:00 | ♁  | 01°19'55" ♋ | 12°17'07"  | 01°22'32"  | 01°14'17"  | 1.728  |
| 23/08/2011 00:00:00 | ♁  | 12°55'26" ♋ | 23°23'04"  | 00°34'39"  | 00°38'52"  | 2.037  |
| 23/08/2011 00:00:00 | ♁  | 10°15'50" ♋ | 13°36'43"  | -01°21'07" | 00°01'28"  | 4.529  |
| 23/08/2011 00:00:00 | ♁  | 14°15'49" ♋ | -03°29'34" | 02°18'39"  | 00°05'53"  | 10.346 |
| 23/08/2011 00:00:00 | ♁  | 03°50'17" ♋ | 00°49'21"  | -00°45'57" | -00°01'51" | 19.238 |
| 23/08/2011 00:00:00 | ♁  | 29°31'15" ♋ | -12°09'27" | -00°33'12" | -00°01'38" | 28.995 |
| 23/08/2011 00:00:00 | ♁  | 05°02'26" ♋ | -19°00'31" | 04°20'08"  | -00°00'43" | 31.486 |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 23/08/2011 00:00:00 | ♁ | 20°52'40" ♀ | -23°07'25" | 00°00'00"  | 00°00'25"  | 0.002  |
| 23/08/2011 00:00:00 | ♆ | 03°12'13" ♀ | -04°34'53" | 06°09'24"  | -00°02'56" | 15.859 |
| 23/08/2011 00:00:00 | ♁ | 17°05'02" ♀ | 10°56'15"  | 04°34'49"  | 00°06'42"  | 0.003  |
| 23/08/2011 00:00:00 | ♁ | 20°52'40" ♀ | -23°07'25" | 00°00'00"  | 00°00'25"  | 0.002  |
| 23/08/2011 00:00:00 | ♁ | 18°00'05" ♀ | 11°13'59"  | 04°31'03"  | -01°38'19" | 0.003  |
| 23/08/2011 00:00:00 | X | 22°23'24" ♀ | -03°47'14" | -13°26'59" | -00°00'20" | 95.986 |
| 23/08/2011 00:00:00 | Y | 23°08'54" ♂ | 06°59'18"  | -11°56'02" | 00°00'01"  | 86.988 |
| 24/08/2011 00:00:00 | ♁ | 00°30'29" ♀ | 11°17'31"  | -00°00'00" | 00°57'50"  | 1.011  |
| 24/08/2011 00:00:00 | ♁ | 24°22'38" ♀ | 23°00'29"  | -00°18'35" | 12°44'53"  | 0.003  |
| 24/08/2011 00:00:00 | ♁ | 19°14'19" ♀ | 12°06'47"  | -03°05'27" | -00°21'43" | 0.688  |
| 24/08/2011 00:00:00 | ♁ | 02°34'13" ♀ | 11°50'57"  | 01°23'04"  | 01°14'18"  | 1.728  |
| 24/08/2011 00:00:00 | ♁ | 13°34'16" ♀ | 23°20'00"  | 00°35'27"  | 00°38'48"  | 2.032  |
| 24/08/2011 00:00:00 | ♁ | 10°17'12" ♀ | 13°36'56"  | -01°21'20" | 00°01'16"  | 4.515  |
| 24/08/2011 00:00:00 | ♁ | 14°21'45" ♀ | -03°31'59" | 02°18'30"  | 00°05'56"  | 10.358 |
| 24/08/2011 00:00:00 | ♁ | 03°48'25" ♀ | 00°48'35"  | -00°45'59" | -00°01'53" | 19.229 |
| 24/08/2011 00:00:00 | ♁ | 29°29'37" ♀ | -12°10'02" | -00°33'13" | -00°01'38" | 28.996 |
| 24/08/2011 00:00:00 | ♁ | 05°01'44" ♀ | -19°00'46" | 04°19'55"  | -00°00'41" | 31.500 |
| 24/08/2011 00:00:00 | ♁ | 20°52'49" ♀ | -23°07'25" | 00°00'00"  | -00°00'18" | 0.002  |
| 24/08/2011 00:00:00 | ♁ | 03°09'17" ♀ | -04°35'57" | 06°09'22"  | -00°02'56" | 15.859 |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 24/08/2011 00:00:00 | ☾ | 17°11'45" ♀ | 10°58'28"  | 04°34'24"  | 00°06'42"  | 0.003  |
| 24/08/2011 00:00:00 | ♄ | 20°52'49" ♂ | -23°07'25" | 00°00'00"  | -00°00'18" | 0.002  |
| 24/08/2011 00:00:00 | ♁ | 15°58'10" ♀ | 10°31'00"  | 04°35'28"  | -02°24'42" | 0.003  |
| 24/08/2011 00:00:00 | X | 22°23'03" ♀ | -03°47'26" | -13°27'04" | -00°00'20" | 95.973 |
| 24/08/2011 00:00:00 | Y | 23°08'55" ♂ | 06°59'10"  | -11°56'10" | 00°00'00"  | 86.971 |
| 25/08/2011 00:00:00 | ☉ | 01°28'21" ♀ | 10°57'00"  | -00°00'00" | 00°57'52"  | 1.011  |
| 25/08/2011 00:00:00 | ☽ | 07°19'48" ♂ | 21°47'57"  | -01°26'14" | 13°10'01"  | 0.003  |
| 25/08/2011 00:00:00 | ♁ | 18°56'04" ♂ | 12°28'58"  | -02°48'02" | -00°14'40" | 0.705  |
| 25/08/2011 00:00:00 | ♀ | 03°48'32" ♀ | 11°24'28"  | 01°23'32"  | 01°14'19"  | 1.727  |
| 25/08/2011 00:00:00 | ♂ | 14°13'02" ♂ | 23°16'46"  | 00°36'15"  | 00°38'44"  | 2.027  |
| 25/08/2011 00:00:00 | ♃ | 10°18'23" ♂ | 13°37'06"  | -01°21'33" | 00°01'05"  | 4.500  |
| 25/08/2011 00:00:00 | ♅ | 14°27'43" ♀ | -03°34'25" | 02°18'22"  | 00°06'00"  | 10.369 |
| 25/08/2011 00:00:00 | ♁ | 03°46'31" ♀ | 00°47'49"  | -00°46'00" | -00°01'54" | 19.220 |
| 25/08/2011 00:00:00 | ♃ | 29°27'59" ♂ | -12°10'37" | -00°33'14" | -00°01'38" | 28.996 |
| 25/08/2011 00:00:00 | ♁ | 05°01'03" ♂ | -19°01'00" | 04°19'42"  | -00°00'40" | 31.515 |
| 25/08/2011 00:00:00 | ♄ | 20°51'44" ♂ | -23°07'21" | 00°00'00"  | -00°02'00" | 0.002  |
| 25/08/2011 00:00:00 | ♁ | 03°06'20" ♂ | -04°37'02" | 06°09'19"  | -00°02'56" | 15.860 |
| 25/08/2011 00:00:00 | ☾ | 17°18'27" ♀ | 11°00'41"  | 04°34'00"  | 00°06'42"  | 0.003  |
| 25/08/2011 00:00:00 | ♄ | 20°51'44" ♂ | -23°07'21" | 00°00'00"  | -00°02'00" | 0.002  |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 25/08/2011 00:00:00 | T♄ | 13°14'41" ♀ | 09°32'10"  | 04°40'45"  | -02°59'03" | 0.003  |
| 25/08/2011 00:00:00 | X  | 22°22'42" ♀ | -03°47'38" | -13°27'08" | -00°00'21" | 95.960 |
| 25/08/2011 00:00:00 | Y  | 23°08'55" ♂ | 06°59'02"  | -11°56'19" | -00°00'00" | 86.954 |
| 26/08/2011 00:00:00 | ☉  | 02°26'14" ♉ | 10°36'19"  | -00°00'00" | 00°57'53"  | 1.011  |
| 26/08/2011 00:00:00 | ☾  | 20°43'31" ♉ | 19°20'44"  | -02°31'20" | 13°37'38"  | 0.003  |
| 26/08/2011 00:00:00 | ♀  | 18°45'07" ♉ | 12°49'24"  | -02°30'05" | -00°07'10" | 0.724  |
| 26/08/2011 00:00:00 | ♀  | 05°02'52" ♉ | 10°57'40"  | 01°23'56"  | 01°14'20"  | 1.727  |
| 26/08/2011 00:00:00 | ♂  | 14°51'44" ♉ | 23°13'21"  | 00°37'02"  | 00°38'39"  | 2.022  |
| 26/08/2011 00:00:00 | ♃  | 10°19'23" ♂ | 13°37'12"  | -01°21'46" | 00°00'53"  | 4.486  |
| 26/08/2011 00:00:00 | ♅  | 14°33'45" ♌ | -03°36'52" | 02°18'14"  | 00°06'03"  | 10.380 |
| 26/08/2011 00:00:00 | ♁  | 03°44'35" ♀ | 00°47'02"  | -00°46'01" | -00°01'56" | 19.211 |
| 26/08/2011 00:00:00 | ♃  | 29°26'20" ♌ | -12°11'12" | -00°33'14" | -00°01'38" | 28.997 |
| 26/08/2011 00:00:00 | ♁  | 05°00'24" ♌ | -19°01'15" | 04°19'28"  | -00°00'38" | 31.530 |
| 26/08/2011 00:00:00 | ♁  | 20°48'34" ♌ | -23°07'08" | 00°00'00"  | -00°04'23" | 0.002  |
| 26/08/2011 00:00:00 | ♃  | 03°03'23" ♌ | -04°38'07" | 06°09'16"  | -00°02'56" | 15.861 |
| 26/08/2011 00:00:00 | ♁  | 17°25'10" ♀ | 11°02'54"  | 04°33'35"  | 00°06'42"  | 0.003  |
| 26/08/2011 00:00:00 | T♁ | 20°48'34" ♌ | -23°07'08" | 00°00'00"  | -00°04'23" | 0.002  |
| 26/08/2011 00:00:00 | T♄ | 10°08'17" ♀ | 08°23'38"  | 04°45'52"  | -03°09'04" | 0.003  |
| 26/08/2011 00:00:00 | X  | 22°22'20" ♀ | -03°47'50" | -13°27'13" | -00°00'21" | 95.947 |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 26/08/2011 00:00:00 | Y  | 23°08'55" ♄ | 06°58'54"  | -11°56'27" | -00°00'00" | 86.936 |
| 27/08/2011 00:00:00 | ☉  | 03°24'08" ♍ | 10°15'28"  | -00°00'00" | 00°57'55"  | 1.011  |
| 27/08/2011 00:00:00 | ☾  | 04°35'09" ♋ | 15°43'06"  | -03°29'43" | 14°05'23"  | 0.002  |
| 27/08/2011 00:00:00 | ♀  | 18°41'49" ♋ | 13°07'47"  | -02°11'49" | 00°00'38"  | 0.745  |
| 27/08/2011 00:00:00 | ♀  | 06°17'13" ♍ | 10°30'34"  | 01°24'17"  | 01°14'21"  | 1.726  |
| 27/08/2011 00:00:00 | ♂  | 15°30'22" ♃ | 23°09'46"  | 00°37'50"  | 00°38'35"  | 2.017  |
| 27/08/2011 00:00:00 | ♃  | 10°20'10" ♄ | 13°37'15"  | -01°21'59" | 00°00'41"  | 4.472  |
| 27/08/2011 00:00:00 | ♅  | 14°39'50" ♁ | -03°39'20" | 02°18'05"  | 00°06'06"  | 10.392 |
| 27/08/2011 00:00:00 | ♁  | 03°42'37" ♄ | 00°46'14"  | -00°46'02" | -00°01'58" | 19.203 |
| 27/08/2011 00:00:00 | ♃  | 29°24'42" ♁ | -12°11'47" | -00°33'15" | -00°01'38" | 28.998 |
| 27/08/2011 00:00:00 | ♁  | 04°59'46" ♄ | -19°01'30" | 04°19'15"  | -00°00'36" | 31.545 |
| 27/08/2011 00:00:00 | ♁  | 20°42'52" ♄ | -23°06'44" | 00°00'00"  | -00°06'59" | 0.003  |
| 27/08/2011 00:00:00 | ♃  | 03°00'26" ♃ | -04°39'13" | 06°09'13"  | -00°02'56" | 15.862 |
| 27/08/2011 00:00:00 | ♁  | 17°31'52" ♄ | 11°05'06"  | 04°33'11"  | 00°06'42"  | 0.003  |
| 27/08/2011 00:00:00 | T♁ | 20°42'52" ♄ | -23°06'44" | 00°00'00"  | -00°06'59" | 0.003  |
| 27/08/2011 00:00:00 | T♃ | 07°05'28" ♄ | 07°15'07"  | 04°50'00"  | -02°52'44" | 0.003  |
| 27/08/2011 00:00:00 | X  | 22°21'58" ♄ | -03°48'02" | -13°27'17" | -00°00'22" | 95.935 |
| 27/08/2011 00:00:00 | Y  | 23°08'53" ♄ | 06°58'46"  | -11°56'35" | -00°00'01" | 86.919 |
| 28/08/2011 00:00:00 | ☉  | 04°22'05" ♍ | 09°54'27"  | -00°00'00" | 00°57'57"  | 1.010  |



Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 28/08/2011 00:00:00 | ♃  | 18°53'21" ♏ | 11°05'15"  | -04°16'50" | 14°30'16"  | 0.002  |
| 28/08/2011 00:00:00 | ♆  | 18°46'29" ♏ | 13°23'52"  | -01°53'26" | 00°08'41"  | 0.766  |
| 28/08/2011 00:00:00 | ♀  | 07°31'35" ♍ | 10°03'11"  | 01°24'34"  | 01°14'22"  | 1.725  |
| 28/08/2011 00:00:00 | ♂  | 16°08'54" ♎ | 23°06'01"  | 00°38'39"  | 00°38'30"  | 2.012  |
| 28/08/2011 00:00:00 | ♂  | 10°20'45" ♎ | 13°37'13"  | -01°22'12" | 00°00'28"  | 4.458  |
| 28/08/2011 00:00:00 | ♃  | 14°45'57" ♎ | -03°41'49" | 02°17'57"  | 00°06'09"  | 10.402 |
| 28/08/2011 00:00:00 | ♃  | 03°40'38" ♎ | 00°45'26"  | -00°46'03" | -00°02'00" | 19.194 |
| 28/08/2011 00:00:00 | ♃  | 29°23'04" ♎ | -12°12'22" | -00°33'15" | -00°01'38" | 29.000 |
| 28/08/2011 00:00:00 | ♃  | 04°59'10" ♎ | -19°01'44" | 04°19'02"  | -00°00'35" | 31.560 |
| 28/08/2011 00:00:00 | ♃  | 20°34'41" ♎ | -23°06'10" | 00°00'00"  | -00°09'14" | 0.003  |
| 28/08/2011 00:00:00 | ♃  | 02°57'29" ♎ | -04°40'19" | 06°09'09"  | -00°02'56" | 15.864 |
| 28/08/2011 00:00:00 | ♃  | 17°38'35" ♎ | 11°07'18"  | 04°32'46"  | 00°06'42"  | 0.003  |
| 28/08/2011 00:00:00 | T♃ | 20°34'41" ♎ | -23°06'10" | 00°00'00"  | -00°09'14" | 0.003  |
| 28/08/2011 00:00:00 | T♃ | 04°28'00" ♎ | 06°15'13"  | 04°52'51"  | -02°21'02" | 0.003  |
| 28/08/2011 00:00:00 | X  | 22°21'35" ♎ | -03°48'14" | -13°27'22" | -00°00'23" | 95.922 |
| 28/08/2011 00:00:00 | Y  | 23°08'51" ♎ | 06°58'37"  | -11°56'43" | -00°00'02" | 86.902 |
| 29/08/2011 00:00:00 | ♃  | 05°20'02" ♍ | 09°33'16"  | -00°00'00" | 00°57'58"  | 1.010  |
| 29/08/2011 00:00:00 | ♃  | 03°33'40" ♍ | 05°42'57"  | -04°48'22" | 14°49'08"  | 0.002  |
| 29/08/2011 00:00:00 | ♆  | 18°59'14" ♏ | 13°37'23"  | -01°35'05" | 00°16'50"  | 0.789  |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 29/08/2011 00:00:00 | ♀  | 08°45'57" ♍ | 09°35'32"  | 01°24'47"  | 01°14'22"  | 1.724  |
| 29/08/2011 00:00:00 | ♂  | 16°47'23" ♉ | 23°02'06"  | 00°39'27"  | 00°38'26"  | 2.007  |
| 29/08/2011 00:00:00 | ♃  | 10°21'07" ♈ | 13°37'09"  | -01°22'25" | 00°00'16"  | 4.444  |
| 29/08/2011 00:00:00 | ♅  | 14°52'08" ♋ | -03°44'19" | 02°17'49"  | 00°06'12"  | 10.413 |
| 29/08/2011 00:00:00 | ♁  | 03°38'37" ♋ | 00°44'37"  | -00°46'04" | -00°02'01" | 19.186 |
| 29/08/2011 00:00:00 | ♃  | 29°21'26" ♋ | -12°12'57" | -00°33'16" | -00°01'37" | 29.002 |
| 29/08/2011 00:00:00 | ♁  | 04°58'36" ♋ | -19°01'59" | 04°18'49"  | -00°00'33" | 31.575 |
| 29/08/2011 00:00:00 | ♁  | 20°24'40" ♋ | -23°05'27" | 00°00'00"  | -00°10'37" | 0.003  |
| 29/08/2011 00:00:00 | ♃  | 02°54'32" ♋ | -04°41'26" | 06°09'05"  | -00°02'56" | 15.866 |
| 29/08/2011 00:00:00 | ♁  | 17°45'17" ♋ | 11°09'30"  | 04°32'21"  | 00°06'42"  | 0.003  |
| 29/08/2011 00:00:00 | T♁ | 20°24'40" ♋ | -23°05'27" | 00°00'00"  | -00°10'37" | 0.003  |
| 29/08/2011 00:00:00 | T♁ | 02°22'43" ♋ | 05°27'06"  | 04°54'43"  | -01°51'09" | 0.003  |
| 29/08/2011 00:00:00 | X  | 22°21'12" ♋ | -03°48'26" | -13°27'26" | -00°00'23" | 95.910 |
| 29/08/2011 00:00:00 | Y  | 23°08'48" ♋ | 06°58'29"  | -11°56'52" | -00°00'03" | 86.885 |
| 30/08/2011 00:00:00 | ♁  | 06°18'02" ♍ | 09°11'57"  | -00°00'00" | 00°58'00"  | 1.010  |
| 30/08/2011 00:00:00 | ♃  | 18°28'45" ♍ | -00°03'43" | -05°00'56" | 14°59'28"  | 0.002  |
| 30/08/2011 00:00:00 | ♀  | 19°20'09" ♋ | 13°48'08"  | -01°16'58" | 00°25'00"  | 0.813  |
| 30/08/2011 00:00:00 | ♀  | 10°00'20" ♍ | 09°07'37"  | 01°24'56"  | 01°14'23"  | 1.723  |
| 30/08/2011 00:00:00 | ♂  | 17°25'47" ♉ | 22°58'01"  | 00°40'15"  | 00°38'21"  | 2.002  |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 30/08/2011 00:00:00 | ♃ | 10°21'18" ♂ | 13°37'00"  | -01°22'37" | 00°00'04"  | 4.431  |
| 30/08/2011 00:00:00 | ♅ | 14°58'21" ♀ | -03°46'50" | 02°17'42"  | 00°06'14"  | 10.424 |
| 30/08/2011 00:00:00 | ♁ | 03°36'34" ♀ | 00°43'47"  | -00°46'05" | -00°02'03" | 19.179 |
| 30/08/2011 00:00:00 | ♆ | 29°19'48" ♀ | -12°13'31" | -00°33'16" | -00°01'37" | 29.004 |
| 30/08/2011 00:00:00 | ♁ | 04°58'03" ♂ | -19°02'14" | 04°18'35"  | -00°00'31" | 31.591 |
| 30/08/2011 00:00:00 | ♁ | 20°13'51" ♂ | -23°04'39" | 00°00'00"  | -00°10'47" | 0.003  |
| 30/08/2011 00:00:00 | ♆ | 02°51'35" ♀ | -04°42'32" | 06°09'01"  | -00°02'56" | 15.868 |
| 30/08/2011 00:00:00 | ♁ | 17°51'59" ♀ | 11°11'41"  | 04°31'56"  | 00°06'42"  | 0.003  |
| 30/08/2011 00:00:00 | ♁ | 20°13'51" ♂ | -23°04'39" | 00°00'00"  | -00°10'47" | 0.003  |
| 30/08/2011 00:00:00 | ♁ | 00°40'28" ♀ | 04°47'43"  | 04°56'07"  | -01°36'34" | 0.003  |
| 30/08/2011 00:00:00 | X | 22°20'48" ♀ | -03°48'39" | -13°27'31" | -00°00'24" | 95.898 |
| 30/08/2011 00:00:00 | Y | 23°08'45" ♂ | 06°58'20"  | -11°57'00" | -00°00'03" | 86.868 |
| 31/08/2011 00:00:00 | ♁ | 07°16'03" ♀ | 08°50'28"  | -00°00'00" | 00°58'01"  | 1.010  |
| 31/08/2011 00:00:00 | ♁ | 03°29'21" ♀ | -05°52'00" | -04°52'58" | 15°00'07"  | 0.002  |
| 31/08/2011 00:00:00 | ♁ | 19°49'14" ♀ | 13°55'56"  | -00°59'13" | 00°33'06"  | 0.839  |
| 31/08/2011 00:00:00 | ♁ | 11°14'44" ♀ | 08°39'27"  | 01°25'01"  | 01°14'24"  | 1.722  |
| 31/08/2011 00:00:00 | ♁ | 18°04'06" ♀ | 22°53'47"  | 00°41'04"  | 00°38'16"  | 1.997  |
| 31/08/2011 00:00:00 | ♃ | 10°21'17" ♂ | 13°36'47"  | -01°22'50" | -00°00'07" | 4.417  |
| 31/08/2011 00:00:00 | ♅ | 15°04'38" ♀ | -03°49'22" | 02°17'34"  | 00°06'17"  | 10.434 |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 31/08/2011 00:00:00 | ♃ | 03°34'30" ♀ | 00°42'57"  | -00°46'06" | -00°02'04" | 19.171 |
| 31/08/2011 00:00:00 | ♃ | 29°18'10" ♀ | -12°14'06" | -00°33'17" | -00°01'37" | 29.006 |
| 31/08/2011 00:00:00 | ♃ | 04°57'32" ♀ | -19°02'28" | 04°18'22"  | -00°00'30" | 31.606 |
| 31/08/2011 00:00:00 | ♃ | 20°03'31" ♀ | -23°03'54" | 00°00'00"  | -00°09'40" | 0.003  |
| 31/08/2011 00:00:00 | ♃ | 02°48'39" ♀ | -04°43'39" | 06°08'56"  | -00°02'56" | 15.871 |
| 31/08/2011 00:00:00 | ♃ | 17°58'41" ♀ | 11°13'53"  | 04°31'30"  | 00°06'42"  | 0.003  |
| 31/08/2011 00:00:00 | ♃ | 20°03'31" ♀ | -23°03'54" | 00°00'00"  | -00°09'40" | 0.003  |
| 31/08/2011 00:00:00 | ♃ | 29°03'04" ♀ | 04°10'16"  | 04°57'29"  | -01°41'03" | 0.003  |
| 31/08/2011 00:00:00 | X | 22°20'24" ♀ | -03°48'52" | -13°27'35" | -00°00'24" | 95.886 |
| 31/08/2011 00:00:00 | Y | 23°08'41" ♀ | 06°58'11"  | -11°57'08" | -00°00'04" | 86.851 |
| 01/09/2011 00:00:00 | ♃ | 08°14'05" ♀ | 08°28'51"  | -00°00'00" | 00°58'03"  | 1.009  |
| 01/09/2011 00:00:00 | ♃ | 18°25'56" ♀ | -11°18'22" | -04°25'02" | 14°51'39"  | 0.002  |
| 01/09/2011 00:00:00 | ♃ | 20°26'20" ♀ | 14°00'37"  | -00°41'59" | 00°41'04"  | 0.865  |
| 01/09/2011 00:00:00 | ♃ | 12°29'09" ♀ | 08°11'03"  | 01°25'02"  | 01°14'24"  | 1.721  |
| 01/09/2011 00:00:00 | ♃ | 18°42'20" ♀ | 22°49'23"  | 00°41'52"  | 00°38'12"  | 1.992  |
| 01/09/2011 00:00:00 | ♃ | 10°21'03" ♀ | 13°36'31"  | -01°23'02" | -00°00'19" | 4.404  |
| 01/09/2011 00:00:00 | ♃ | 15°10'57" ♀ | -03°51'54" | 02°17'27"  | 00°06'20"  | 10.444 |
| 01/09/2011 00:00:00 | ♃ | 03°32'25" ♀ | 00°42'07"  | -00°46'06" | -00°02'06" | 19.164 |
| 01/09/2011 00:00:00 | ♃ | 29°16'33" ♀ | -12°14'40" | -00°33'17" | -00°01'37" | 29.009 |

Ephemerides year 2011

|                     |   |           |   |            |            |            |        |
|---------------------|---|-----------|---|------------|------------|------------|--------|
| 01/09/2011 00:00:00 | ♁ | 04°57'02" | ♌ | -19°02'43" | 04°18'08"  | -00°00'28" | 31.622 |
| 01/09/2011 00:00:00 | ♁ | 19°54'50" | ♌ | -23°03'14" | 00°00'00"  | -00°07'32" | 0.003  |
| 01/09/2011 00:00:00 | ♁ | 02°45'43" | ♌ | -04°44'47" | 06°08'50"  | -00°02'55" | 15.873 |
| 01/09/2011 00:00:00 | ♁ | 18°05'24" | ♌ | 11°16'04"  | 04°31'05"  | 00°06'42"  | 0.003  |
| 01/09/2011 00:00:00 | ♁ | 19°54'50" | ♌ | -23°03'14" | 00°00'00"  | -00°07'32" | 0.003  |
| 01/09/2011 00:00:00 | ♁ | 27°14'41" | ♌ | 03°28'38"  | 04°59'00"  | -01°56'11" | 0.003  |
| 01/09/2011 00:00:00 | X | 22°19'59" | ♌ | -03°49'04" | -13°27'39" | -00°00'25" | 95.875 |
| 01/09/2011 00:00:00 | Y | 23°08'36" | ♌ | 06°58'02"  | -11°57'16" | -00°00'05" | 86.834 |
| 02/09/2011 00:00:00 | ☉ | 09°12'09" | ♌ | 08°07'07"  | -00°00'00" | 00°58'04"  | 1.009  |
| 02/09/2011 00:00:00 | ☾ | 03°10'19" | ♌ | -16°00'32" | -03°39'43" | 14°36'08"  | 0.002  |
| 02/09/2011 00:00:00 | ♁ | 21°11'17" | ♌ | 14°02'05"  | -00°25'23" | 00°48'47"  | 0.891  |
| 02/09/2011 00:00:00 | ♀ | 13°43'34" | ♌ | 07°42'25"  | 01°25'00"  | 01°14'25"  | 1.720  |
| 02/09/2011 00:00:00 | ♂ | 19°20'30" | ♌ | 22°44'49"  | 00°42'41"  | 00°38'07"  | 1.987  |
| 02/09/2011 00:00:00 | ♃ | 10°20'38" | ♌ | 13°36'12"  | -01°23'15" | -00°00'31" | 4.390  |
| 02/09/2011 00:00:00 | ♃ | 15°17'19" | ♌ | -03°54'28" | 02°17'20"  | 00°06'23"  | 10.454 |
| 02/09/2011 00:00:00 | ♃ | 03°30'17" | ♌ | 00°41'15"  | -00°46'07" | -00°02'07" | 19.157 |
| 02/09/2011 00:00:00 | ♃ | 29°14'56" | ♌ | -12°15'15" | -00°33'18" | -00°01'36" | 29.012 |
| 02/09/2011 00:00:00 | ♁ | 04°56'35" | ♌ | -19°02'57" | 04°17'55"  | -00°00'26" | 31.638 |
| 02/09/2011 00:00:00 | ♁ | 19°48'36" | ♌ | -23°02'46" | 00°00'00"  | -00°04'54" | 0.003  |

Ephemerides year 2011

|                     |   |              |            |            |            |        |
|---------------------|---|--------------|------------|------------|------------|--------|
| 02/09/2011 00:00:00 | ♁ | 02°42'47" ♉r | -04°45'54" | 06°08'44"  | -00°02'55" | 15.877 |
| 02/09/2011 00:00:00 | ♁ | 18°12'06" ♉  | 11°18'15"  | 04°30'40"  | 00°06'42"  | 0.003  |
| 02/09/2011 00:00:00 | ♁ | 19°48'36" ♉r | -23°02'46" | 00°00'00"  | -00°04'54" | 0.003  |
| 02/09/2011 00:00:00 | ♁ | 25°13'25" ♉r | 02°42'00"  | 05°00'30"  | -02°03'09" | 0.003  |
| 02/09/2011 00:00:00 | X | 22°19'34" ♉r | -03°49'17" | -13°27'43" | -00°00'25" | 95.863 |
| 02/09/2011 00:00:00 | Y | 23°08'30" ♉r | 06°57'53"  | -11°57'24" | -00°00'05" | 86.817 |
| 03/09/2011 00:00:00 | ♁ | 10°10'14" ♉  | 07°45'14"  | -00°00'00" | 00°58'06"  | 1.009  |
| 03/09/2011 00:00:00 | ♁ | 17°36'48" ♉  | -19°39'34" | -02°41'03" | 14°16'21"  | 0.002  |
| 03/09/2011 00:00:00 | ♀ | 22°03'50" ♉  | 14°00'13"  | -00°09'30" | 00°56'14"  | 0.919  |
| 03/09/2011 00:00:00 | ♀ | 14°58'00" ♉  | 07°13'35"  | 01°24'53"  | 01°14'26"  | 1.719  |
| 03/09/2011 00:00:00 | ♂ | 19°58'35" ♉  | 22°40'06"  | 00°43'30"  | 00°38'02"  | 1.981  |
| 03/09/2011 00:00:00 | ♁ | 10°20'00" ♉r | 13°35'48"  | -01°23'27" | -00°00'43" | 4.377  |
| 03/09/2011 00:00:00 | ♁ | 15°23'44" ♉  | -03°57'02" | 02°17'13"  | 00°06'25"  | 10.464 |
| 03/09/2011 00:00:00 | ♁ | 03°28'09" ♉r | 00°40'24"  | -00°46'08" | -00°02'09" | 19.151 |
| 03/09/2011 00:00:00 | ♁ | 29°13'20" ♉r | -12°15'49" | -00°33'18" | -00°01'36" | 29.015 |
| 03/09/2011 00:00:00 | ♁ | 04°56'09" ♉r | -19°03'12" | 04°17'41"  | -00°00'24" | 31.654 |
| 03/09/2011 00:00:00 | ♁ | 19°44'59" ♉r | -23°02'29" | 00°00'00"  | -00°02'23" | 0.003  |
| 03/09/2011 00:00:00 | ♁ | 02°39'52" ♉r | -04°47'02" | 06°08'38"  | -00°02'54" | 15.880 |
| 03/09/2011 00:00:00 | ♁ | 18°18'48" ♉  | 11°20'26"  | 04°30'14"  | 00°06'42"  | 0.003  |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 03/09/2011 00:00:00 | T♄ | 19°44'59" ♏ | -23°02'29" | 00°00'00"  | -00°02'23" | 0.003  |
| 03/09/2011 00:00:00 | T♄ | 23°17'57" ♏ | 01°57'29"  | 05°01'39"  | -01°41'51" | 0.003  |
| 03/09/2011 00:00:00 | X  | 22°19'08" ♏ | -03°49'30" | -13°27'46" | -00°00'25" | 95.852 |
| 03/09/2011 00:00:00 | Y  | 23°08'24" ♏ | 06°57'43"  | -11°57'32" | -00°00'06" | 86.801 |
| 04/09/2011 00:00:00 | ☉  | 11°08'21" ♏ | 07°23'14"  | -00°00'00" | 00°58'07"  | 1.009  |
| 04/09/2011 00:00:00 | ☾  | 01°42'32" ♏ | -22°01'56" | -01°33'46" | 13°55'02"  | 0.002  |
| 04/09/2011 00:00:00 | ♀  | 23°03'39" ♏ | 13°54'58"  | 00°05'31"  | 01°03'19"  | 0.946  |
| 04/09/2011 00:00:00 | ♀  | 16°12'26" ♏ | 06°44'32"  | 01°24'43"  | 01°14'26"  | 1.718  |
| 04/09/2011 00:00:00 | ♂  | 20°36'36" ♏ | 22°35'13"  | 00°44'19"  | 00°37'58"  | 1.976  |
| 04/09/2011 00:00:00 | ♃  | 10°19'11" ♏ | 13°35'21"  | -01°23'39" | -00°00'55" | 4.364  |
| 04/09/2011 00:00:00 | ♅  | 15°30'11" ♏ | -03°59'37" | 02°17'06"  | 00°06'28"  | 10.473 |
| 04/09/2011 00:00:00 | ♁  | 03°25'59" ♏ | 00°39'32"  | -00°46'09" | -00°02'10" | 19.144 |
| 04/09/2011 00:00:00 | ♆  | 29°11'44" ♏ | -12°16'23" | -00°33'19" | -00°01'35" | 29.019 |
| 04/09/2011 00:00:00 | ♁  | 04°55'45" ♏ | -19°03'26" | 04°17'27"  | -00°00'23" | 31.670 |
| 04/09/2011 00:00:00 | ♁  | 19°43'34" ♏ | -23°02'23" | 00°00'00"  | -00°00'36" | 0.003  |
| 04/09/2011 00:00:00 | ♁  | 02°36'58" ♏ | -04°48'09" | 06°08'31"  | -00°02'54" | 15.884 |
| 04/09/2011 00:00:00 | ♁  | 18°25'30" ♏ | 11°22'37"  | 04°29'48"  | 00°06'42"  | 0.003  |
| 04/09/2011 00:00:00 | T♄ | 19°43'34" ♏ | -23°02'23" | 00°00'00"  | -00°00'36" | 0.003  |
| 04/09/2011 00:00:00 | T♄ | 22°01'52" ♏ | 01°28'07"  | 05°02'14"  | -00°44'42" | 0.003  |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 04/09/2011 00:00:00 | X  | 22°18'42" ♀ | -03°49'42" | -13°27'50" | -00°00'26" | 95.841 |
| 04/09/2011 00:00:00 | Y  | 23°08'17" ♂ | 06°57'34"  | -11°57'40" | -00°00'07" | 86.784 |
| 05/09/2011 00:00:00 | ☉  | 12°06'29" ♉ | 07°01'07"  | -00°00'00" | 00°58'08"  | 1.008  |
| 05/09/2011 00:00:00 | ☾  | 15°27'06" ♀ | -23°01'03" | -00°22'35" | 13°34'20"  | 0.003  |
| 05/09/2011 00:00:00 | ♀  | 24°10'22" ♀ | 13°46'19"  | 00°19'39"  | 01°10'01"  | 0.974  |
| 05/09/2011 00:00:00 | ♀  | 17°26'53" ♉ | 06°15'19"  | 01°24'29"  | 01°14'27"  | 1.717  |
| 05/09/2011 00:00:00 | ♂  | 21°14'31" ♁ | 22°30'12"  | 00°45'08"  | 00°37'53"  | 1.971  |
| 05/09/2011 00:00:00 | ♃  | 10°18'09" ♂ | 13°34'50"  | -01°23'52" | -00°01'07" | 4.351  |
| 05/09/2011 00:00:00 | ♅  | 15°36'41" ♄ | -04°02'13" | 02°16'59"  | 00°06'31"  | 10.482 |
| 05/09/2011 00:00:00 | ♁  | 03°23'49" ♀ | 00°38'39"  | -00°46'10" | -00°02'11" | 19.138 |
| 05/09/2011 00:00:00 | ♃  | 29°10'08" ♁ | -12°16'57" | -00°33'19" | -00°01'35" | 29.023 |
| 05/09/2011 00:00:00 | ♅  | 04°55'23" ♁ | -19°03'41" | 04°17'14"  | -00°00'21" | 31.686 |
| 05/09/2011 00:00:00 | ♁  | 19°43'24" ♀ | -23°02'22" | 00°00'00"  | 00°00'03"  | 0.003  |
| 05/09/2011 00:00:00 | ♃  | 02°34'04" ♁ | -04°49'17" | 06°08'24"  | -00°02'53" | 15.888 |
| 05/09/2011 00:00:00 | ♁  | 18°32'13" ♀ | 11°24'47"  | 04°29'22"  | 00°06'42"  | 0.003  |
| 05/09/2011 00:00:00 | T♁ | 19°43'24" ♀ | -23°02'22" | 00°00'00"  | 00°00'03"  | 0.003  |
| 05/09/2011 00:00:00 | T♃ | 21°57'02" ♁ | 01°26'18"  | 05°02'18"  | 00°37'40"  | 0.003  |
| 05/09/2011 00:00:00 | X  | 22°18'16" ♀ | -03°49'55" | -13°27'54" | -00°00'26" | 95.830 |
| 05/09/2011 00:00:00 | Y  | 23°08'10" ♂ | 06°57'25"  | -11°57'48" | -00°00'07" | 86.767 |



Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 06/09/2011 00:00:00 | ☉ | 13°04'39" ♍ | 06°38'54"  | 00°00'00"  | 00°58'10"  | 1.008  |
| 06/09/2011 00:00:00 | ☾ | 28°51'52" ♊ | -22°37'47" | 00°48'10"  | 13°15'35"  | 0.003  |
| 06/09/2011 00:00:00 | ♀ | 25°23'32" ♋ | 13°34'14"  | 00°32'48"  | 01°16'15"  | 1.002  |
| 06/09/2011 00:00:00 | ♀ | 18°41'20" ♍ | 05°45'55"  | 01°24'10"  | 01°14'27"  | 1.716  |
| 06/09/2011 00:00:00 | ♂ | 21°52'23" ♎ | 22°25'01"  | 00°45'57"  | 00°37'48"  | 1.965  |
| 06/09/2011 00:00:00 | ♃ | 10°16'56" ♈ | 13°34'16"  | -01°24'04" | -00°01'19" | 4.338  |
| 06/09/2011 00:00:00 | ♄ | 15°43'13" ♉ | -04°04'49" | 02°16'53"  | 00°06'33"  | 10.491 |
| 06/09/2011 00:00:00 | ♅ | 03°21'37" ♊ | 00°37'46"  | -00°46'10" | -00°02'12" | 19.132 |
| 06/09/2011 00:00:00 | ♆ | 29°08'33" ♋ | -12°17'30" | -00°33'19" | -00°01'34" | 29.027 |
| 06/09/2011 00:00:00 | ♇ | 04°55'03" ♌ | -19°03'55" | 04°17'00"  | -00°00'19" | 31.702 |
| 06/09/2011 00:00:00 | ♈ | 19°43'15" ♊ | -23°02'21" | 00°00'00"  | -00°00'32" | 0.003  |
| 06/09/2011 00:00:00 | ♉ | 02°31'11" ♋ | -04°50'25" | 06°08'17"  | -00°02'52" | 15.892 |
| 06/09/2011 00:00:00 | ♊ | 18°38'55" ♋ | 11°26'57"  | 04°28'56"  | 00°06'42"  | 0.003  |
| 06/09/2011 00:00:00 | ♋ | 19°43'15" ♊ | -23°02'21" | 00°00'00"  | -00°00'32" | 0.003  |
| 06/09/2011 00:00:00 | ♌ | 23°18'55" ♋ | 01°57'59"  | 05°01'45"  | 02°05'17"  | 0.003  |
| 06/09/2011 00:00:00 | ♍ | 22°17'49" ♋ | -03°50'08" | -13°27'57" | -00°00'27" | 95.820 |
| 06/09/2011 00:00:00 | ♎ | 23°08'02" ♈ | 06°57'15"  | -11°57'56" | -00°00'08" | 86.751 |
| 07/09/2011 00:00:00 | ☉ | 14°02'50" ♍ | 06°16'33"  | 00°00'00"  | 00°58'11"  | 1.008  |
| 07/09/2011 00:00:00 | ☾ | 11°59'08" ♎ | -20°59'30" | 01°54'46"  | 12°59'22"  | 0.003  |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 07/09/2011 00:00:00 | ♀  | 26°42'42" ♈ | 13°18'48"  | 00°44'56"  | 01°21'59"  | 1.029  |
| 07/09/2011 00:00:00 | ♀  | 19°55'48" ♍ | 05°16'21"  | 01°23'48"  | 01°14'27"  | 1.714  |
| 07/09/2011 00:00:00 | ♂  | 22°30'09" ♎ | 22°19'42"  | 00°46'47"  | 00°37'43"  | 1.960  |
| 07/09/2011 00:00:00 | ♃  | 10°15'31" ♏ | 13°33'38"  | -01°24'16" | -00°01'31" | 4.325  |
| 07/09/2011 00:00:00 | ♅  | 15°49'48" ♐ | -04°07'26" | 02°16'47"  | 00°06'35"  | 10.500 |
| 07/09/2011 00:00:00 | ♁  | 03°19'23" ♑ | 00°36'52"  | -00°46'11" | -00°02'13" | 19.127 |
| 07/09/2011 00:00:00 | ♃  | 29°06'59" ♒ | -12°18'03" | -00°33'20" | -00°01'34" | 29.031 |
| 07/09/2011 00:00:00 | ♁  | 04°54'44" ♓ | -19°04'10" | 04°16'46"  | -00°00'17" | 31.719 |
| 07/09/2011 00:00:00 | ♁  | 19°41'54" ♈ | -23°02'15" | 00°00'00"  | -00°02'19" | 0.003  |
| 07/09/2011 00:00:00 | ♃  | 02°28'19" ♉ | -04°51'33" | 06°08'09"  | -00°02'51" | 15.897 |
| 07/09/2011 00:00:00 | ♁  | 18°45'38" ♑ | 11°29'07"  | 04°28'30"  | 00°06'42"  | 0.003  |
| 07/09/2011 00:00:00 | T♁ | 19°41'54" ♈ | -23°02'15" | 00°00'00"  | -00°02'19" | 0.003  |
| 07/09/2011 00:00:00 | T♁ | 26°03'21" ♉ | 03°01'23"  | 05°00'06"  | 03°20'18"  | 0.003  |
| 07/09/2011 00:00:00 | X  | 22°17'22" ♑ | -03°50'21" | -13°28'01" | -00°00'27" | 95.809 |
| 07/09/2011 00:00:00 | Y  | 23°07'53" ♏ | 06°57'05"  | -11°58'04" | -00°00'09" | 86.735 |
| 08/09/2011 00:00:00 | ♁  | 15°01'02" ♍ | 05°54'07"  | 00°00'00"  | 00°58'13"  | 1.008  |
| 08/09/2011 00:00:00 | ♃  | 24°51'27" ♎ | -18°17'58" | 02°54'06"  | 12°45'39"  | 0.003  |
| 08/09/2011 00:00:00 | ♀  | 28°07'22" ♈ | 13°00'04"  | 00°56'01"  | 01°27'13"  | 1.057  |
| 08/09/2011 00:00:00 | ♀  | 21°10'16" ♍ | 04°46'38"  | 01°23'23"  | 01°14'28"  | 1.713  |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 08/09/2011 00:00:00 | ♂  | 23°07'50" ♃ | 22°14'14"  | 00°47'36"  | 00°37'39"  | 1.954  |
| 08/09/2011 00:00:00 | ♃  | 10°13'53" ♄ | 13°32'56"  | -01°24'27" | -00°01'43" | 4.313  |
| 08/09/2011 00:00:00 | ♅  | 15°56'25" ♁ | -04°10'04" | 02°16'41"  | 00°06'38"  | 10.509 |
| 08/09/2011 00:00:00 | ♁  | 03°17'09" ♃ | 00°35'59"  | -00°46'11" | -00°02'14" | 19.122 |
| 08/09/2011 00:00:00 | ♃  | 29°05'25" ♃ | -12°18'37" | -00°33'20" | -00°01'33" | 29.036 |
| 08/09/2011 00:00:00 | ♁  | 04°54'27" ♄ | -19°04'24" | 04°16'32"  | -00°00'15" | 31.735 |
| 08/09/2011 00:00:00 | ♁  | 19°38'20" ♄ | -23°01'58" | 00°00'00"  | -00°04'55" | 0.003  |
| 08/09/2011 00:00:00 | ♃  | 02°25'28" ♃ | -04°52'41" | 06°08'01"  | -00°02'50" | 15.901 |
| 08/09/2011 00:00:00 | ♁  | 18°52'20" ♃ | 11°31'17"  | 04°28'04"  | 00°06'42"  | 0.003  |
| 08/09/2011 00:00:00 | T♁ | 19°38'20" ♄ | -23°01'58" | 00°00'00"  | -00°04'55" | 0.003  |
| 08/09/2011 00:00:00 | T♃ | 29°51'27" ♃ | 04°28'42"  | 04°56'38"  | 04°11'16"  | 0.003  |
| 08/09/2011 00:00:00 | X  | 22°16'54" ♃ | -03°50'34" | -13°28'04" | -00°00'27" | 95.799 |
| 08/09/2011 00:00:00 | Y  | 23°07'43" ♄ | 06°56'55"  | -11°58'12" | -00°00'09" | 86.718 |
| 09/09/2011 00:00:00 | ♁  | 15°59'16" ♃ | 05°31'35"  | 00°00'00"  | 00°58'14"  | 1.007  |
| 09/09/2011 00:00:00 | ♃  | 07°31'10" ♃ | -14°46'53" | 03°43'43"  | 12°34'05"  | 0.003  |
| 09/09/2011 00:00:00 | ♁  | 29°36'59" ♃ | 12°38'09"  | 01°06'01"  | 01°31'54"  | 1.083  |
| 09/09/2011 00:00:00 | ♀  | 22°24'44" ♃ | 04°16'46"  | 01°22'53"  | 01°14'28"  | 1.712  |
| 09/09/2011 00:00:00 | ♂  | 23°45'27" ♃ | 22°08'37"  | 00°48'26"  | 00°37'34"  | 1.949  |
| 09/09/2011 00:00:00 | ♃  | 10°12'04" ♄ | 13°32'11"  | -01°24'39" | -00°01'55" | 4.301  |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 09/09/2011 00:00:00 | ♃ | 16°03'04" ♁ | -04°12'42" | 02°16'35"  | 00°06'40"  | 10.517 |
| 09/09/2011 00:00:00 | ♅ | 03°14'54" ♏ | 00°35'04"  | -00°46'12" | -00°02'15" | 19.117 |
| 09/09/2011 00:00:00 | ♆ | 29°03'52" ♁ | -12°19'09" | -00°33'20" | -00°01'33" | 29.041 |
| 09/09/2011 00:00:00 | ♁ | 04°54'12" ♁ | -19°04'38" | 04°16'18"  | -00°00'14" | 31.752 |
| 09/09/2011 00:00:00 | ♄ | 19°31'57" ♏ | -23°01'29" | 00°00'00"  | -00°07'52" | 0.003  |
| 09/09/2011 00:00:00 | ♃ | 02°22'37" ♏ | -04°53'49" | 06°07'52"  | -00°02'49" | 15.907 |
| 09/09/2011 00:00:00 | ♁ | 18°59'02" ♏ | 11°33'27"  | 04°27'37"  | 00°06'42"  | 0.003  |
| 09/09/2011 00:00:00 | ♄ | 19°31'57" ♏ | -23°01'29" | 00°00'00"  | -00°07'52" | 0.003  |
| 09/09/2011 00:00:00 | ♁ | 04°15'56" ♏ | 06°08'39"  | 04°50'55"  | 04°32'31"  | 0.003  |
| 09/09/2011 00:00:00 | X | 22°16'26" ♏ | -03°50'47" | -13°28'07" | -00°00'28" | 95.789 |
| 09/09/2011 00:00:00 | Y | 23°07'33" ♏ | 06°56'45"  | -11°58'20" | -00°00'10" | 86.702 |
| 10/09/2011 00:00:00 | ♁ | 16°57'31" ♏ | 05°08'58"  | 00°00'00"  | 00°58'16"  | 1.007  |
| 10/09/2011 00:00:00 | ♂ | 20°00'10" ♁ | -10°40'04" | 04°21'45"  | 12°24'09"  | 0.003  |
| 10/09/2011 00:00:00 | ♁ | 01°11'01" ♏ | 12°13'12"  | 01°14'55"  | 01°36'03"  | 1.109  |
| 10/09/2011 00:00:00 | ♁ | 23°39'13" ♏ | 03°46'47"  | 01°22'19"  | 01°14'28"  | 1.710  |
| 10/09/2011 00:00:00 | ♁ | 24°22'59" ♁ | 22°02'52"  | 00°49'15"  | 00°37'29"  | 1.943  |
| 10/09/2011 00:00:00 | ♁ | 10°10'03" ♏ | 13°31'22"  | -01°24'51" | -00°02'07" | 4.288  |
| 10/09/2011 00:00:00 | ♃ | 16°09'45" ♁ | -04°15'21" | 02°16'29"  | 00°06'42"  | 10.525 |
| 10/09/2011 00:00:00 | ♅ | 03°12'37" ♏ | 00°34'10"  | -00°46'12" | -00°02'16" | 19.112 |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 10/09/2011 00:00:00 | ♁ | 29°02'19" ♁ | -12°19'42" | -00°33'21" | -00°01'32" | 29.046 |
| 10/09/2011 00:00:00 | ♁ | 04°53'59" ♁ | -19°04'53" | 04°16'05"  | -00°00'12" | 31.768 |
| 10/09/2011 00:00:00 | ♁ | 19°22'39" ♁ | -23°00'44" | 00°00'00"  | -00°10'39" | 0.003  |
| 10/09/2011 00:00:00 | ♁ | 02°19'48" ♁ | -04°54'57" | 06°07'43"  | -00°02'48" | 15.912 |
| 10/09/2011 00:00:00 | ♁ | 19°05'44" ♁ | 11°35'36"  | 04°27'11"  | 00°06'42"  | 0.003  |
| 10/09/2011 00:00:00 | ♁ | 19°22'39" ♁ | -23°00'44" | 00°00'00"  | -00°10'39" | 0.003  |
| 10/09/2011 00:00:00 | ♁ | 08°46'27" ♁ | 07°48'53"  | 04°43'14"  | 04°23'48"  | 0.003  |
| 10/09/2011 00:00:00 | X | 22°15'58" ♁ | -03°51'00" | -13°28'10" | -00°00'28" | 95.780 |
| 10/09/2011 00:00:00 | Y | 23°07'22" ♁ | 06°56'35"  | -11°58'28" | -00°00'11" | 86.686 |
| 11/09/2011 00:00:00 | ♁ | 17°55'49" ♁ | 04°46'15"  | 00°00'00"  | 00°58'17"  | 1.007  |
| 11/09/2011 00:00:00 | ♁ | 02°19'52" ♁ | -06°10'28" | 04°46'57"  | 12°15'25"  | 0.003  |
| 11/09/2011 00:00:00 | ♁ | 02°48'55" ♁ | 11°45'21"  | 01°22'45"  | 01°39'40"  | 1.135  |
| 11/09/2011 00:00:00 | ♁ | 24°53'42" ♁ | 03°16'41"  | 01°21'42"  | 01°14'29"  | 1.709  |
| 11/09/2011 00:00:00 | ♁ | 25°00'26" ♁ | 21°56'58"  | 00°50'05"  | 00°37'24"  | 1.938  |
| 11/09/2011 00:00:00 | ♁ | 10°07'50" ♁ | 13°30'30"  | -01°25'02" | -00°02'18" | 4.276  |
| 11/09/2011 00:00:00 | ♁ | 16°16'29" ♁ | -04°18'01" | 02°16'23"  | 00°06'44"  | 10.533 |
| 11/09/2011 00:00:00 | ♁ | 03°10'20" ♁ | 00°33'15"  | -00°46'13" | -00°02'17" | 19.108 |
| 11/09/2011 00:00:00 | ♁ | 29°00'47" ♁ | -12°20'15" | -00°33'21" | -00°01'31" | 29.052 |
| 11/09/2011 00:00:00 | ♁ | 04°53'47" ♁ | -19°05'07" | 04°15'51"  | -00°00'10" | 31.785 |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 11/09/2011 00:00:00 | ♏ | 19°10'51" ⚡ | -22°59'47" | 00°00'00"  | -00°12'48" | 0.003  |
| 11/09/2011 00:00:00 | ♋ | 02°17'00" ⚡ | -04°56'05" | 06°07'33"  | -00°02'47" | 15.918 |
| 11/09/2011 00:00:00 | ♏ | 19°12'26" ♀ | 11°37'45"  | 04°26'44"  | 00°06'42"  | 0.003  |
| 11/09/2011 00:00:00 | ♏ | 19°10'51" ⚡ | -22°59'47" | 00°00'00"  | -00°12'48" | 0.003  |
| 11/09/2011 00:00:00 | ♏ | 12°55'30" ♀ | 09°18'54"  | 04°34'29"  | 03°51'09"  | 0.003  |
| 11/09/2011 00:00:00 | X | 22°15'29" ♀ | -03°51'13" | -13°28'13" | -00°00'29" | 95.770 |
| 11/09/2011 00:00:00 | Y | 23°07'11" ⚡ | 06°56'25"  | -11°58'35" | -00°00'11" | 86.670 |
| 12/09/2011 00:00:00 | ♏ | 18°54'07" ♀ | 04°23'27"  | 00°00'00"  | 00°58'19"  | 1.007  |
| 12/09/2011 00:00:00 | ♏ | 14°31'19" ⚡ | -01°29'52" | 04°58'38"  | 12°07'36"  | 0.003  |
| 12/09/2011 00:00:00 | ♏ | 04°30'10" ♀ | 11°14'50"  | 01°29'30"  | 01°42'45"  | 1.159  |
| 12/09/2011 00:00:00 | ♏ | 26°08'11" ♀ | 02°46'29"  | 01°21'00"  | 01°14'29"  | 1.707  |
| 12/09/2011 00:00:00 | ♏ | 25°37'48" ♀ | 21°50'56"  | 00°50'55"  | 00°37'19"  | 1.932  |
| 12/09/2011 00:00:00 | ♏ | 10°05'25" ⚡ | 13°29'34"  | -01°25'13" | -00°02'30" | 4.264  |
| 12/09/2011 00:00:00 | ♏ | 16°23'14" ♀ | -04°20'41" | 02°16'18"  | 00°06'46"  | 10.541 |
| 12/09/2011 00:00:00 | ♏ | 03°08'01" ♀ | 00°32'19"  | -00°46'13" | -00°02'18" | 19.104 |
| 12/09/2011 00:00:00 | ♏ | 28°59'15" ♀ | -12°20'47" | -00°33'21" | -00°01'31" | 29.058 |
| 12/09/2011 00:00:00 | ♏ | 04°53'38" ⚡ | -19°05'21" | 04°15'37"  | -00°00'08" | 31.802 |
| 12/09/2011 00:00:00 | ♏ | 18°57'21" ⚡ | -22°58'41" | 00°00'00"  | -00°13'58" | 0.003  |
| 12/09/2011 00:00:00 | ♏ | 02°14'12" ⚡ | -04°57'13" | 06°07'23"  | -00°02'46" | 15.924 |

Ephemerides year 2011




























|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 12/09/2011 00:00:00 | ☾ | 19°19'08" ♀ | 11°39'54"  | 04°26'17"  | 00°06'42"  | 0.003  |
| 12/09/2011 00:00:00 | ♄ | 18°57'21" ♂ | -22°58'41" | 00°00'00"  | -00°13'58" | 0.003  |
| 12/09/2011 00:00:00 | ♁ | 16°24'52" ♀ | 10°32'33"  | 04°25'56"  | 03°06'52"  | 0.003  |
| 12/09/2011 00:00:00 | X | 22°14'59" ♀ | -03°51'26" | -13°28'16" | -00°00'29" | 95.761 |
| 12/09/2011 00:00:00 | Y | 23°06'58" ♂ | 06°56'15"  | -11°58'43" | -00°00'12" | 86.654 |
| 13/09/2011 00:00:00 | ☉ | 19°52'28" ♀ | 04°00'35"  | 00°00'00"  | 00°58'21"  | 1.006  |
| 13/09/2011 00:00:00 | ☽ | 26°35'23" ♀ | 03°11'00"  | 04°56'46"  | 12°00'41"  | 0.003  |
| 13/09/2011 00:00:00 | ♁ | 06°14'15" ♀ | 10°41'49"  | 01°35'12"  | 01°45'19"  | 1.182  |
| 13/09/2011 00:00:00 | ♁ | 27°22'41" ♀ | 02°16'11"  | 01°20'15"  | 01°14'30"  | 1.706  |
| 13/09/2011 00:00:00 | ♂ | 26°15'06" ♂ | 21°44'46"  | 00°51'45"  | 00°37'15"  | 1.926  |
| 13/09/2011 00:00:00 | ♃ | 10°02'49" ♂ | 13°28'34"  | -01°25'24" | -00°02'42" | 4.253  |
| 13/09/2011 00:00:00 | ♅ | 16°30'02" ♂ | -04°23'22" | 02°16'13"  | 00°06'48"  | 10.549 |
| 13/09/2011 00:00:00 | ♁ | 03°05'42" ♀ | 00°31'24"  | -00°46'14" | -00°02'19" | 19.100 |
| 13/09/2011 00:00:00 | ♁ | 28°57'44" ♀ | -12°21'19" | -00°33'21" | -00°01'30" | 29.064 |
| 13/09/2011 00:00:00 | ♁ | 04°53'30" ♂ | -19°05'36" | 04°15'23"  | -00°00'07" | 31.819 |
| 13/09/2011 00:00:00 | ♄ | 18°43'17" ♂ | -22°57'31" | 00°00'00"  | -00°13'58" | 0.003  |
| 13/09/2011 00:00:00 | ♁ | 02°11'26" ♀ | -04°58'21" | 06°07'13"  | -00°02'45" | 15.930 |
| 13/09/2011 00:00:00 | ☾ | 19°25'51" ♀ | 11°42'03"  | 04°25'50"  | 00°06'42"  | 0.003  |
| 13/09/2011 00:00:00 | ♄ | 18°43'17" ♂ | -22°57'31" | 00°00'00"  | -00°13'58" | 0.003  |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 13/09/2011 00:00:00 | T♄ | 19°10'15" ♀ | 11°29'14"  | 04°18'25"  | 02°25'25"  | 0.003  |
| 13/09/2011 00:00:00 | X  | 22°14'30" ♀ | -03°51'40" | -13°28'19" | -00°00'29" | 95.752 |
| 13/09/2011 00:00:00 | Y  | 23°06'45" ♂ | 06°56'05"  | -11°58'50" | -00°00'13" | 86.639 |
| 14/09/2011 00:00:00 | ☉  | 20°50'50" ♉ | 03°37'38"  | 00°00'00"  | 00°58'23"  | 1.006  |
| 14/09/2011 00:00:00 | ☾  | 08°33'05" ♀ | 07°42'15"  | 04°41'46"  | 11°54'55"  | 0.003  |
| 14/09/2011 00:00:00 | ♀  | 08°00'40" ♉ | 10°06'32"  | 01°39'54"  | 01°47'25"  | 1.204  |
| 14/09/2011 00:00:00 | ♀  | 28°37'12" ♉ | 01°45'49"  | 01°19'26"  | 01°14'30"  | 1.704  |
| 14/09/2011 00:00:00 | ♂  | 26°52'19" ♃ | 21°38'28"  | 00°52'35"  | 00°37'10"  | 1.920  |
| 14/09/2011 00:00:00 | ♃  | 10°00'01" ♂ | 13°27'31"  | -01°25'35" | -00°02'53" | 4.241  |
| 14/09/2011 00:00:00 | ♅  | 16°36'51" ♌ | -04°26'03" | 02°16'07"  | 00°06'50"  | 10.556 |
| 14/09/2011 00:00:00 | ♁  | 03°03'22" ♀ | 00°30'28"  | -00°46'14" | -00°02'20" | 19.096 |
| 14/09/2011 00:00:00 | ♃  | 28°56'14" ♁ | -12°21'50" | -00°33'22" | -00°01'29" | 29.070 |
| 14/09/2011 00:00:00 | ♁  | 04°53'24" ♂ | -19°05'50" | 04°15'09"  | -00°00'05" | 31.836 |
| 14/09/2011 00:00:00 | ♁  | 18°29'47" ♂ | -22°56'22" | 00°00'00"  | -00°12'49" | 0.003  |
| 14/09/2011 00:00:00 | ♃  | 02°08'41" ♃ | -04°59'29" | 06°07'02"  | -00°02'44" | 15.937 |
| 14/09/2011 00:00:00 | ♄  | 19°32'33" ♀ | 11°44'11"  | 04°25'23"  | 00°06'42"  | 0.003  |
| 14/09/2011 00:00:00 | T♁ | 18°29'47" ♂ | -22°56'22" | 00°00'00"  | -00°12'49" | 0.003  |
| 14/09/2011 00:00:00 | T♄ | 21°20'03" ♀ | 12°12'47"  | 04°12'08"  | 01°56'41"  | 0.003  |
| 14/09/2011 00:00:00 | X  | 22°13'59" ♀ | -03°51'53" | -13°28'21" | -00°00'30" | 95.743 |



Ephemerides year 2011

|                     |   |   |            |            |            |        |
|---------------------|---|---|------------|------------|------------|--------|
| 14/09/2011 00:00:00 | Y   | 23°06'32"    | 06°55'54"  | -11°58'58" | -00°00'13" | 86.623 |
| 15/09/2011 00:00:00 |    | 21°49'15"    | 03°14'38"  | 00°00'00"  | 00°58'25"  | 1.006  |
| 15/09/2011 00:00:00 |    | 20°25'48"    | 11°54'27"  | 04°14'32"  | 11°50'50"  | 0.003  |
| 15/09/2011 00:00:00 |    | 09°48'58"    | 09°29'13"  | 01°43'37"  | 01°49'05"  | 1.225  |
| 15/09/2011 00:00:00 |    | 29°51'43"    | 01°15'22"  | 01°18'34"  | 01°14'31"  | 1.702  |
| 15/09/2011 00:00:00 |    | 27°29'27"    | 21°32'02"  | 00°53'26"  | 00°37'05"  | 1.914  |
| 15/09/2011 00:00:00 |    | 09°57'01"    | 13°26'25"  | -01°25'46" | -00°03'05" | 4.230  |
| 15/09/2011 00:00:00 |    | 16°43'43"    | -04°28'45" | 02°16'03"  | 00°06'52"  | 10.563 |
| 15/09/2011 00:00:00 |    | 03°01'01"    | 00°29'32"  | -00°46'14" | -00°02'21" | 19.093 |
| 15/09/2011 00:00:00 |    | 28°54'45"    | -12°22'22" | -00°33'22" | -00°01'28" | 29.077 |
| 15/09/2011 00:00:00 |    | 04°53'19"    | -19°06'04" | 04°14'55"  | -00°00'03" | 31.853 |
| 15/09/2011 00:00:00 |    | 18°17'57"    | -22°55'20" | 00°00'00"  | -00°10'43" | 0.002  |
| 15/09/2011 00:00:00 |   | 02°05'58"   | -05°00'37" | 06°06'51"  | -00°02'42" | 15.944 |
| 15/09/2011 00:00:00 |  | 19°39'15"  | 11°46'20"  | 04°24'56"  | 00°06'42"  | 0.003  |
| 15/09/2011 00:00:00 | TΩ  | 18°17'57"  | -22°55'20" | 00°00'00"  | -00°10'43" | 0.002  |
| 15/09/2011 00:00:00 | T♄  | 23°08'19"  | 12°48'29"  | 04°06'44"  | 01°41'45"  | 0.003  |
| 15/09/2011 00:00:00 | X   | 22°13'29"  | -03°52'06" | -13°28'24" | -00°00'30" | 95.735 |
| 15/09/2011 00:00:00 | Y   | 23°06'18"  | 06°55'44"  | -11°59'05" | -00°00'14" | 86.608 |
| 16/09/2011 00:00:00 |  | 22°47'41"  | 02°51'34"  | 00°00'00"  | 00°58'27"  | 1.006  |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 16/09/2011 00:00:00 | ♃ | 02°15'33" ♄ | 15°38'22"  | 03°36'22"  | 11°49'06"  | 0.003  |
| 16/09/2011 00:00:00 | ♆ | 11°38'44" ♃ | 08°50'04"  | 01°46'24"  | 01°50'21"  | 1.245  |
| 16/09/2011 00:00:00 | ♀ | 01°06'14" ♁ | 00°44'52"  | 01°17'37"  | 01°14'31"  | 1.701  |
| 16/09/2011 00:00:00 | ♂ | 28°06'30" ♁ | 21°25'28"  | 00°54'16"  | 00°37'00"  | 1.908  |
| 16/09/2011 00:00:00 | ♃ | 09°53'50" ♄ | 13°25'15"  | -01°25'57" | -00°03'16" | 4.219  |
| 16/09/2011 00:00:00 | ♅ | 16°50'36" ♁ | -04°31'27" | 02°15'58"  | 00°06'54"  | 10.570 |
| 16/09/2011 00:00:00 | ♃ | 02°58'40" ♄ | 00°28'35"  | -00°46'15" | -00°02'21" | 19.090 |
| 16/09/2011 00:00:00 | ♆ | 28°53'17" ♃ | -12°22'52" | -00°33'22" | -00°01'27" | 29.084 |
| 16/09/2011 00:00:00 | ♁ | 04°53'17" ♃ | -19°06'18" | 04°14'41"  | -00°00'01" | 31.870 |
| 16/09/2011 00:00:00 | ♁ | 18°08'33" ♃ | -22°54'30" | 00°00'00"  | -00°08'00" | 0.002  |
| 16/09/2011 00:00:00 | ♃ | 02°03'16" ♃ | -05°01'44" | 06°06'40"  | -00°02'41" | 15.951 |
| 16/09/2011 00:00:00 | ♁ | 19°45'57" ♄ | 11°48'28"  | 04°24'28"  | 00°06'42"  | 0.003  |
| 16/09/2011 00:00:00 | ♁ | 18°08'33" ♃ | -22°54'30" | 00°00'00"  | -00°08'00" | 0.002  |
| 16/09/2011 00:00:00 | ♁ | 24°46'06" ♄ | 13°20'18"  | 04°01'47"  | 01°34'20"  | 0.003  |
| 16/09/2011 00:00:00 | X | 22°12'58" ♄ | -03°52'19" | -13°28'26" | -00°00'30" | 95.727 |
| 16/09/2011 00:00:00 | Y | 23°06'03" ♄ | 06°55'33"  | -11°59'13" | -00°00'15" | 86.592 |
| 17/09/2011 00:00:00 | ♁ | 23°46'10" ♃ | 02°28'26"  | 00°00'00"  | 00°58'29"  | 1.005  |
| 17/09/2011 00:00:00 | ♃ | 14°05'03" ♄ | 18°44'54"  | 02°48'46"  | 11°50'29"  | 0.003  |
| 17/09/2011 00:00:00 | ♆ | 13°29'34" ♃ | 08°09'19"  | 01°48'18"  | 01°51'16"  | 1.263  |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 17/09/2011 00:00:00 | ♀ | 02°20'46" ♈ | 00°14'20"  | 01°16'37"  | 01°14'32"  | 1.699  |
| 17/09/2011 00:00:00 | ♂ | 28°43'28" ♉ | 21°18'47"  | 00°55'07"  | 00°36'55"  | 1.903  |
| 17/09/2011 00:00:00 | ♃ | 09°50'27" ♉ | 13°24'01"  | -01°26'07" | -00°03'28" | 4.208  |
| 17/09/2011 00:00:00 | ♅ | 16°57'31" ♈ | -04°34'09" | 02°15'53"  | 00°06'56"  | 10.577 |
| 17/09/2011 00:00:00 | ♁ | 02°56'18" ♈ | 00°27'39"  | -00°46'15" | -00°02'22" | 19.088 |
| 17/09/2011 00:00:00 | ♆ | 28°51'49" ♋ | -12°23'23" | -00°33'22" | -00°01'26" | 29.091 |
| 17/09/2011 00:00:00 | ♄ | 04°53'16" ♈ | -19°06'32" | 04°14'27"  | 00°00'00"  | 31.887 |
| 17/09/2011 00:00:00 | ♁ | 18°01'59" ♈ | -22°53'55" | 00°00'00"  | -00°05'08" | 0.002  |
| 17/09/2011 00:00:00 | ♃ | 02°00'35" ♈ | -05°02'52" | 06°06'28"  | -00°02'39" | 15.958 |
| 17/09/2011 00:00:00 | ♁ | 19°52'39" ♈ | 11°50'35"  | 04°24'01"  | 00°06'42"  | 0.003  |
| 17/09/2011 00:00:00 | ♁ | 18°01'59" ♈ | -22°53'55" | 00°00'00"  | -00°05'08" | 0.002  |
| 17/09/2011 00:00:00 | ♁ | 26°16'37" ♈ | 13°49'21"  | 03°57'10"  | 01°25'50"  | 0.003  |
| 17/09/2011 00:00:00 | X | 22°12'27" ♈ | -03°52'32" | -13°28'28" | -00°00'31" | 95.719 |
| 17/09/2011 00:00:00 | Y | 23°05'48" ♉ | 06°55'22"  | -11°59'20" | -00°00'15" | 86.577 |
| 18/09/2011 00:00:00 | ♁ | 24°44'41" ♈ | 02°05'16"  | 00°00'00"  | 00°58'31"  | 1.005  |
| 18/09/2011 00:00:00 | ♁ | 25°57'51" ♉ | 21°04'59"  | 01°53'31"  | 11°55'48"  | 0.003  |
| 18/09/2011 00:00:00 | ♁ | 15°21'10" ♈ | 07°27'10"  | 01°49'22"  | 01°51'51"  | 1.281  |
| 18/09/2011 00:00:00 | ♀ | 03°35'18" ♈ | -00°16'14" | 01°15'34"  | 01°14'32"  | 1.697  |
| 18/09/2011 00:00:00 | ♂ | 29°20'21" ♉ | 21°11'58"  | 00°55'58"  | 00°36'50"  | 1.897  |

Ephemerides year 2011

|                     |   |           |   |            |            |            |        |
|---------------------|---|-----------|---|------------|------------|------------|--------|
| 18/09/2011 00:00:00 | ♃ | 09°46'53" | ♎ | 13°22'44"  | -01°26'18" | -00°03'39" | 4.197  |
| 18/09/2011 00:00:00 | ♅ | 17°04'28" | ♈ | -04°36'52" | 02°15'49"  | 00°06'57"  | 10.583 |
| 18/09/2011 00:00:00 | ♁ | 02°53'55" | ♏ | 00°26'42"  | -00°46'15" | -00°02'22" | 19.085 |
| 18/09/2011 00:00:00 | ♆ | 28°50'23" | ♋ | -12°23'53" | -00°33'22" | -00°01'25" | 29.099 |
| 18/09/2011 00:00:00 | ♁ | 04°53'18" | ♌ | -19°06'46" | 04°14'13"  | 00°00'02"  | 31.905 |
| 18/09/2011 00:00:00 | ♁ | 17°58'09" | ♎ | -22°53'34" | 00°00'00"  | -00°02'35" | 0.002  |
| 18/09/2011 00:00:00 | ♆ | 01°57'57" | ♋ | -05°03'59" | 06°06'16"  | -00°02'38" | 15.966 |
| 18/09/2011 00:00:00 | ♁ | 19°59'21" | ♏ | 11°52'43"  | 04°23'33"  | 00°06'42"  | 0.003  |
| 18/09/2011 00:00:00 | ♁ | 17°58'09" | ♎ | -22°53'34" | 00°00'00"  | -00°02'35" | 0.002  |
| 18/09/2011 00:00:00 | ♁ | 27°34'57" | ♏ | 14°14'09"  | 03°53'08"  | 01°08'59"  | 0.003  |
| 18/09/2011 00:00:00 | X | 22°11'56" | ♏ | -03°52'46" | -13°28'30" | -00°00'31" | 95.711 |
| 18/09/2011 00:00:00 | Y | 23°05'32" | ♎ | 06°55'11"  | -11°59'27" | -00°00'16" | 86.562 |
| 19/09/2011 00:00:00 | ♁ | 25°43'13" | ♎ | 01°42'03"  | 00°00'00"  | 00°58'33"  | 1.005  |
| 19/09/2011 00:00:00 | ♁ | 07°58'13" | ♈ | 22°30'02"  | 00°52'33"  | 12°05'44"  | 0.003  |
| 19/09/2011 00:00:00 | ♁ | 17°13'13" | ♎ | 06°43'50"  | 01°49'39"  | 01°52'11"  | 1.297  |
| 19/09/2011 00:00:00 | ♁ | 04°49'51" | ♈ | -00°46'49" | 01°14'26"  | 01°14'33"  | 1.695  |
| 19/09/2011 00:00:00 | ♁ | 29°57'10" | ♏ | 21°05'02"  | 00°56'48"  | 00°36'45"  | 1.890  |
| 19/09/2011 00:00:00 | ♃ | 09°43'08" | ♎ | 13°21'24"  | -01°26'28" | -00°03'50" | 4.186  |
| 19/09/2011 00:00:00 | ♅ | 17°11'27" | ♈ | -04°39'36" | 02°15'45"  | 00°06'59"  | 10.589 |

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|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 19/09/2011 00:00:00 | ♃ | 02°51'33" ♏ | 00°25'45"  | -00°46'15" | -00°02'23" | 19.083 |
| 19/09/2011 00:00:00 | ♃ | 28°48'58" ♏ | -12°24'23" | -00°33'22" | -00°01'25" | 29.106 |
| 19/09/2011 00:00:00 | ♃ | 04°53'21" ♏ | -19°07'00" | 04°13'59"  | 00°00'04"  | 31.922 |
| 19/09/2011 00:00:00 | ♃ | 17°56'34" ♏ | -22°53'26" | 00°00'00"  | -00°00'44" | 0.002  |
| 19/09/2011 00:00:00 | ♃ | 01°55'19" ♏ | -05°05'06" | 06°06'03"  | -00°02'36" | 15.974 |
| 19/09/2011 00:00:00 | ♃ | 20°06'03" ♏ | 11°54'51"  | 04°23'06"  | 00°06'42"  | 0.003  |
| 19/09/2011 00:00:00 | ♃ | 17°56'34" ♏ | -22°53'26" | 00°00'00"  | -00°00'44" | 0.002  |
| 19/09/2011 00:00:00 | ♃ | 28°30'21" ♏ | 14°31'31"  | 03°50'16"  | 00°39'30"  | 0.003  |
| 19/09/2011 00:00:00 | X | 22°11'24" ♏ | -03°52'59" | -13°28'32" | -00°00'31" | 95.703 |
| 19/09/2011 00:00:00 | Y | 23°05'15" ♏ | 06°55'00"  | -11°59'34" | -00°00'16" | 86.547 |
| 20/09/2011 00:00:00 | ♃ | 26°41'48" ♏ | 01°18'47"  | -00°00'00" | 00°58'36"  | 1.004  |
| 20/09/2011 00:00:00 | ♃ | 20°11'02" ♏ | 22°52'35"  | -00°11'54" | 12°20'44"  | 0.003  |
| 20/09/2011 00:00:00 | ♃ | 19°05'27" ♏ | 05°59'29"  | 01°49'13"  | 01°52'15"  | 1.312  |
| 20/09/2011 00:00:00 | ♃ | 06°04'25" ♏ | -01°17'26" | 01°13'15"  | 01°14'33"  | 1.693  |
| 20/09/2011 00:00:00 | ♃ | 00°33'53" ♏ | 20°57'59"  | 00°57'39"  | 00°36'40"  | 1.884  |
| 20/09/2011 00:00:00 | ♃ | 09°39'12" ♏ | 13°20'00"  | -01°26'38" | -00°04'01" | 4.176  |
| 20/09/2011 00:00:00 | ♃ | 17°18'27" ♏ | -04°42'20" | 02°15'41"  | 00°07'01"  | 10.595 |
| 20/09/2011 00:00:00 | ♃ | 02°49'09" ♏ | 00°24'48"  | -00°46'15" | -00°02'23" | 19.082 |
| 20/09/2011 00:00:00 | ♃ | 28°47'33" ♏ | -12°24'53" | -00°33'23" | -00°01'23" | 29.114 |

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|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 20/09/2011 00:00:00 | ♁ | 04°53'26" ♁ | -19°07'14" | 04°13'45"  | 00°00'06"  | 31.939 |
| 20/09/2011 00:00:00 | ♁ | 17°56'19" ♁ | -22°53'24" | 00°00'00"  | 00°00'03"  | 0.002  |
| 20/09/2011 00:00:00 | ♁ | 01°52'44" ♁ | -05°06'12" | 06°05'50"  | -00°02'34" | 15.982 |
| 20/09/2011 00:00:00 | ♁ | 20°12'45" ♁ | 11°56'58"  | 04°22'38"  | 00°06'42"  | 0.003  |
| 20/09/2011 00:00:00 | ♁ | 17°56'19" ♁ | -22°53'24" | 00°00'00"  | 00°00'03"  | 0.002  |
| 20/09/2011 00:00:00 | ♁ | 28°49'26" ♁ | 14°37'32"  | 03°49'21"  | -00°03'26" | 0.003  |
| 20/09/2011 00:00:00 | X | 22°10'52" ♁ | -03°53'12" | -13°28'34" | -00°00'32" | 95.696 |
| 20/09/2011 00:00:00 | Y | 23°04'58" ♁ | 06°54'49"  | -11°59'42" | -00°00'17" | 86.533 |
| 21/09/2011 00:00:00 | ♁ | 27°40'26" ♁ | 00°55'29"  | -00°00'00" | 00°58'38"  | 1.004  |
| 21/09/2011 00:00:00 | ♁ | 02°41'28" ♁ | 22°07'15"  | -01°17'21" | 12°40'58"  | 0.003  |
| 21/09/2011 00:00:00 | ♁ | 20°57'41" ♁ | 05°14'19"  | 01°48'07"  | 01°52'08"  | 1.325  |
| 21/09/2011 00:00:00 | ♁ | 07°18'59" ♁ | -01°48'01" | 01°12'01"  | 01°14'34"  | 1.691  |
| 21/09/2011 00:00:00 | ♁ | 01°10'31" ♁ | 20°50'49"  | 00°58'31"  | 00°36'35"  | 1.878  |
| 21/09/2011 00:00:00 | ♁ | 09°35'05" ♁ | 13°18'33"  | -01°26'47" | -00°04'12" | 4.166  |
| 21/09/2011 00:00:00 | ♁ | 17°25'29" ♁ | -04°45'04" | 02°15'37"  | 00°07'02"  | 10.601 |
| 21/09/2011 00:00:00 | ♁ | 02°46'45" ♁ | 00°23'51"  | -00°46'15" | -00°02'23" | 19.080 |
| 21/09/2011 00:00:00 | ♁ | 28°46'10" ♁ | -12°25'22" | -00°33'23" | -00°01'22" | 29.123 |
| 21/09/2011 00:00:00 | ♁ | 04°53'33" ♁ | -19°07'28" | 04°13'30"  | 00°00'07"  | 31.957 |
| 21/09/2011 00:00:00 | ♁ | 17°56'19" ♁ | -22°53'24" | 00°00'00"  | -00°00'17" | 0.002  |

Ephemerides year 2011

|                     |   |              |            |            |            |        |
|---------------------|---|--------------|------------|------------|------------|--------|
| 21/09/2011 00:00:00 | ♁ | 01°50'10" ♈r | -05°07'19" | 06°05'37"  | -00°02'32" | 15.991 |
| 21/09/2011 00:00:00 | ♁ | 20°19'27" ♈  | 11°59'05"  | 04°22'10"  | 00°06'42"  | 0.003  |
| 21/09/2011 00:00:00 | ♁ | 17°56'19" ♈r | -22°53'24" | 00°00'00"  | -00°00'17" | 0.002  |
| 21/09/2011 00:00:00 | ♁ | 28°20'06" ♈r | 14°28'33"  | 03°51'03"  | -00°56'19" | 0.003  |
| 21/09/2011 00:00:00 | X | 22°10'20" ♈r | -03°53'25" | -13°28'36" | -00°00'32" | 95.689 |
| 21/09/2011 00:00:00 | Y | 23°04'40" ♈r | 06°54'38"  | -11°59'49" | -00°00'18" | 86.518 |
| 22/09/2011 00:00:00 | ♁ | 28°39'05" ♈  | 00°32'10"  | -00°00'00" | 00°58'40"  | 1.004  |
| 22/09/2011 00:00:00 | ♁ | 15°34'35" ♈  | 20°11'46"  | -02°20'50" | 13°05'59"  | 0.003  |
| 22/09/2011 00:00:00 | ♁ | 22°49'42" ♈  | 04°28'29"  | 01°46'23"  | 01°51'51"  | 1.338  |
| 22/09/2011 00:00:00 | ♁ | 08°33'33" ♈  | -02°18'36" | 01°10'43"  | 01°14'34"  | 1.689  |
| 22/09/2011 00:00:00 | ♁ | 01°47'04" ♈  | 20°43'32"  | 00°59'22"  | 00°36'30"  | 1.872  |
| 22/09/2011 00:00:00 | ♁ | 09°30'47" ♈r | 13°17'03"  | -01°26'57" | -00°04'23" | 4.156  |
| 22/09/2011 00:00:00 | ♁ | 17°32'33" ♈  | -04°47'48" | 02°15'33"  | 00°07'04"  | 10.607 |
| 22/09/2011 00:00:00 | ♁ | 02°44'21" ♈r | 00°22'54"  | -00°46'15" | -00°02'24" | 19.079 |
| 22/09/2011 00:00:00 | ♁ | 28°44'47" ♈r | -12°25'51" | -00°33'23" | -00°01'21" | 29.131 |
| 22/09/2011 00:00:00 | ♁ | 04°53'42" ♈  | -19°07'41" | 04°13'16"  | 00°00'09"  | 31.974 |
| 22/09/2011 00:00:00 | ♁ | 17°55'22" ♈r | -22°53'19" | 00°00'00"  | -00°01'44" | 0.002  |
| 22/09/2011 00:00:00 | ♁ | 01°47'38" ♈r | -05°08'25" | 06°05'23"  | -00°02'31" | 16.000 |
| 22/09/2011 00:00:00 | ♁ | 20°26'10" ♈  | 12°01'12"  | 04°21'42"  | 00°06'42"  | 0.003  |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 22/09/2011 00:00:00 | T♁ | 17°55'22" ♏ | -22°53'19" | 00°00'00"  | -00°01'44" | 0.002  |
| 22/09/2011 00:00:00 | T♁ | 26°56'25" ♏ | 14°02'23"  | 03°55'32"  | -01°50'09" | 0.003  |
| 22/09/2011 00:00:00 | X  | 22°09'48" ♏ | -03°53'38" | -13°28'37" | -00°00'32" | 95.683 |
| 22/09/2011 00:00:00 | Y  | 23°04'22" ♏ | 06°54'27"  | -11°59'56" | -00°00'18" | 86.504 |
| 23/09/2011 00:00:00 | ☉  | 29°37'47" ♏ | 00°08'49"  | -00°00'00" | 00°58'42"  | 1.004  |
| 23/09/2011 00:00:00 | ☾  | 28°54'40" ♏ | 17°07'47"  | -03°18'53" | 13°34'39"  | 0.003  |
| 23/09/2011 00:00:00 | ♃  | 24°41'21" ♏ | 03°42'08"  | 01°44'05"  | 01°51'26"  | 1.349  |
| 23/09/2011 00:00:00 | ♄  | 09°48'08" ♏ | -02°49'09" | 01°09'22"  | 01°14'35"  | 1.687  |
| 23/09/2011 00:00:00 | ♅  | 02°23'32" ♏ | 20°36'08"  | 01°00'14"  | 00°36'24"  | 1.866  |
| 23/09/2011 00:00:00 | ♆  | 09°26'18" ♏ | 13°15'30"  | -01°27'06" | -00°04'34" | 4.146  |
| 23/09/2011 00:00:00 | ♇  | 17°39'37" ♏ | -04°50'33" | 02°15'30"  | 00°07'05"  | 10.612 |
| 23/09/2011 00:00:00 | ♈  | 02°41'57" ♏ | 00°21'56"  | -00°46'15" | -00°02'24" | 19.078 |
| 23/09/2011 00:00:00 | ♉  | 28°43'26" ♏ | -12°26'19" | -00°33'23" | -00°01'20" | 29.140 |
| 23/09/2011 00:00:00 | ♊  | 04°53'53" ♏ | -19°07'55" | 04°13'02"  | 00°00'11"  | 31.992 |
| 23/09/2011 00:00:00 | ♋  | 17°52'33" ♏ | -22°53'04" | 00°00'00"  | -00°04'00" | 0.002  |
| 23/09/2011 00:00:00 | ♌  | 01°45'08" ♏ | -05°09'30" | 06°05'09"  | -00°02'29" | 16.009 |
| 23/09/2011 00:00:00 | ♍  | 20°32'52" ♏ | 12°03'18"  | 04°21'13"  | 00°06'42"  | 0.003  |
| 23/09/2011 00:00:00 | T♁ | 17°52'33" ♏ | -22°53'04" | 00°00'00"  | -00°04'00" | 0.002  |
| 23/09/2011 00:00:00 | T♁ | 24°43'57" ♏ | 13°19'57"  | 04°02'16"  | -02°31'30" | 0.003  |



Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 23/09/2011 00:00:00 | X  | 22°09'15" ♀ | -03°53'51" | -13°28'39" | -00°00'32" | 95.676 |
| 23/09/2011 00:00:00 | Y  | 23°04'03" ♂ | 06°54'16"  | -12°00'02" | -00°00'19" | 86.490 |
| 24/09/2011 00:00:00 | ☉  | 00°36'31" ♁ | -00°14'31" | -00°00'00" | 00°58'44"  | 1.003  |
| 24/09/2011 00:00:00 | ☾  | 12°44'25" ♀ | 13°01'26"  | -04°07'31" | 14°04'52"  | 0.002  |
| 24/09/2011 00:00:00 | ♀  | 26°32'32" ♀ | 02°55'23"  | 01°41'15"  | 01°50'53"  | 1.360  |
| 24/09/2011 00:00:00 | ♀  | 11°02'43" ♁ | -03°19'40" | 01°07'57"  | 01°14'35"  | 1.685  |
| 24/09/2011 00:00:00 | ♂  | 02°59'54" ♀ | 20°28'38"  | 01°01'05"  | 00°36'19"  | 1.859  |
| 24/09/2011 00:00:00 | ♃  | 09°21'38" ♂ | 13°13'53"  | -01°27'15" | -00°04'44" | 4.137  |
| 24/09/2011 00:00:00 | ♅  | 17°46'44" ♁ | -04°53'18" | 02°15'26"  | 00°07'06"  | 10.617 |
| 24/09/2011 00:00:00 | ♁  | 02°39'33" ♀ | 00°20'59"  | -00°46'15" | -00°02'24" | 19.078 |
| 24/09/2011 00:00:00 | ♃  | 28°42'05" ♂ | -12°26'47" | -00°33'23" | -00°01'19" | 29.149 |
| 24/09/2011 00:00:00 | ♅  | 04°54'06" ♂ | -19°08'09" | 04°12'48"  | 00°00'13"  | 32.009 |
| 24/09/2011 00:00:00 | ♁  | 17°47'16" ♂ | -22°52'35" | 00°00'00"  | -00°06'35" | 0.002  |
| 24/09/2011 00:00:00 | ♁  | 01°42'39" ♀ | -05°10'36" | 06°04'55"  | -00°02'27" | 16.018 |
| 24/09/2011 00:00:00 | ♁  | 20°39'34" ♀ | 12°05'25"  | 04°20'45"  | 00°06'42"  | 0.003  |
| 24/09/2011 00:00:00 | T♁ | 17°47'16" ♂ | -22°52'35" | 00°00'00"  | -00°06'35" | 0.002  |
| 24/09/2011 00:00:00 | T♁ | 22°01'40" ♀ | 12°26'26"  | 04°09'56"  | -02°48'26" | 0.003  |
| 24/09/2011 00:00:00 | X  | 22°08'42" ♀ | -03°54'04" | -13°28'40" | -00°00'33" | 95.670 |
| 24/09/2011 00:00:00 | Y  | 23°03'43" ♂ | 06°54'05"  | -12°00'09" | -00°00'19" | 86.476 |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 25/09/2011 00:00:00 | ☉ | 01°35'17" ♌ | -00°37'54" | -00°00'00" | 00°58'47"  | 1.003  |
| 25/09/2011 00:00:00 | ☾ | 27°03'56" ♏ | 08°03'32"  | -04°42'32" | 14°33'37"  | 0.002  |
| 25/09/2011 00:00:00 | ♀ | 28°23'07" ♍ | 02°08'23"  | 01°37'56"  | 01°50'15"  | 1.369  |
| 25/09/2011 00:00:00 | ♀ | 12°17'19" ♌ | -03°50'07" | 01°06'29"  | 01°14'35"  | 1.683  |
| 25/09/2011 00:00:00 | ♂ | 03°36'11" ♏ | 20°21'02"  | 01°01'57"  | 00°36'13"  | 1.853  |
| 25/09/2011 00:00:00 | ♃ | 09°16'48" ♉ | 13°12'13"  | -01°27'23" | -00°04'55" | 4.127  |
| 25/09/2011 00:00:00 | ♄ | 17°53'51" ♌ | -04°56'03" | 02°15'23"  | 00°07'08"  | 10.622 |
| 25/09/2011 00:00:00 | ♅ | 02°37'08" ♏ | 00°20'02"  | -00°46'15" | -00°02'24" | 19.077 |
| 25/09/2011 00:00:00 | ♆ | 28°40'46" ♏ | -12°27'15" | -00°33'23" | -00°01'18" | 29.159 |
| 25/09/2011 00:00:00 | ♇ | 04°54'20" ♉ | -19°08'22" | 04°12'34"  | 00°00'15"  | 32.027 |
| 25/09/2011 00:00:00 | ♈ | 17°39'27" ♉ | -22°51'52" | 00°00'00"  | -00°08'56" | 0.002  |
| 25/09/2011 00:00:00 | ♊ | 01°40'13" ♋ | -05°11'41" | 06°04'40"  | -00°02'25" | 16.028 |
| 25/09/2011 00:00:00 | ♋ | 20°46'16" ♏ | 12°07'31"  | 04°20'16"  | 00°06'41"  | 0.003  |
| 25/09/2011 00:00:00 | ♌ | 17°39'27" ♉ | -22°51'52" | 00°00'00"  | -00°08'56" | 0.002  |
| 25/09/2011 00:00:00 | ♍ | 19°15'56" ♏ | 11°30'14"  | 04°17'09"  | -02°39'16" | 0.003  |
| 25/09/2011 00:00:00 | ♎ | 22°08'09" ♏ | -03°54'17" | -13°28'41" | -00°00'33" | 95.664 |
| 25/09/2011 00:00:00 | ♏ | 23°03'23" ♉ | 06°53'54"  | -12°00'16" | -00°00'20" | 86.462 |
| 26/09/2011 00:00:00 | ☉ | 02°34'05" ♌ | -01°01'16" | -00°00'00" | 00°58'49"  | 1.003  |
| 26/09/2011 00:00:00 | ☾ | 11°49'58" ♍ | 02°29'46"  | -05°00'04" | 14°57'18"  | 0.002  |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 26/09/2011 00:00:00 | ♀  | 00°13'02" ♄ | 01°21'13"  | 01°34'11"  | 01°49'33"  | 1.377  |
| 26/09/2011 00:00:00 | ♀  | 13°31'54" ♄ | -04°20'31" | 01°04'58"  | 01°14'36"  | 1.681  |
| 26/09/2011 00:00:00 | ♂  | 04°12'22" ♃ | 20°13'19"  | 01°02'49"  | 00°36'08"  | 1.847  |
| 26/09/2011 00:00:00 | ♃  | 09°11'48" ♃ | 13°10'30"  | -01°27'32" | -00°05'05" | 4.118  |
| 26/09/2011 00:00:00 | ♃  | 18°01'00" ♄ | -04°58'48" | 02°15'20"  | 00°07'09"  | 10.626 |
| 26/09/2011 00:00:00 | ♃  | 02°34'43" ♃ | 00°19'04"  | -00°46'15" | -00°02'24" | 19.078 |
| 26/09/2011 00:00:00 | ♃  | 28°39'28" ♃ | -12°27'42" | -00°33'23" | -00°01'17" | 29.168 |
| 26/09/2011 00:00:00 | ♃  | 04°54'36" ♃ | -19°08'36" | 04°12'20"  | 00°00'17"  | 32.044 |
| 26/09/2011 00:00:00 | ♃  | 17°29'40" ♃ | -22°50'58" | 00°00'00"  | -00°10'27" | 0.002  |
| 26/09/2011 00:00:00 | ♃  | 01°37'49" ♃ | -05°12'45" | 06°04'25"  | -00°02'23" | 16.038 |
| 26/09/2011 00:00:00 | ♃  | 20°52'58" ♃ | 12°09'37"  | 04°19'48"  | 00°06'41"  | 0.003  |
| 26/09/2011 00:00:00 | T♃ | 17°29'40" ♃ | -22°50'58" | 00°00'00"  | -00°10'27" | 0.002  |
| 26/09/2011 00:00:00 | T♃ | 16°48'07" ♃ | 10°38'55"  | 04°23'06"  | -02°15'16" | 0.003  |
| 26/09/2011 00:00:00 | X  | 22°07'35" ♃ | -03°54'30" | -13°28'42" | -00°00'33" | 95.658 |
| 26/09/2011 00:00:00 | Y  | 23°03'02" ♃ | 06°53'43"  | -12°00'22" | -00°00'21" | 86.448 |
| 27/09/2011 00:00:00 | ♃  | 03°32'55" ♄ | -01°24'39" | -00°00'00" | 00°58'51"  | 1.003  |
| 27/09/2011 00:00:00 | ♃  | 26°55'40" ♃ | -03°19'35" | -04°57'21" | 15°12'26"  | 0.002  |
| 27/09/2011 00:00:00 | ♀  | 02°02'13" ♄ | 00°34'00"  | 01°30'01"  | 01°48'48"  | 1.385  |
| 27/09/2011 00:00:00 | ♀  | 14°46'31" ♄ | -04°50'49" | 01°03'24"  | 01°14'36"  | 1.678  |

Ephemerides year 2011

|                     |    |              |            |            |            |        |
|---------------------|----|--------------|------------|------------|------------|--------|
| 27/09/2011 00:00:00 | ♂  | 04°48'27" ♏  | 20°05'30"  | 01°03'42"  | 00°36'02"  | 1.840  |
| 27/09/2011 00:00:00 | ♃  | 09°06'37" ♏r | 13°08'44"  | -01°27'40" | -00°05'15" | 4.110  |
| 27/09/2011 00:00:00 | ♅  | 18°08'10" ♋  | -05°01'34" | 02°15'18"  | 00°07'10"  | 10.631 |
| 27/09/2011 00:00:00 | ♁  | 02°32'18" ♏r | 00°18'07"  | -00°46'14" | -00°02'24" | 19.078 |
| 27/09/2011 00:00:00 | ♃  | 28°38'11" ♋r | -12°28'09" | -00°33'23" | -00°01'16" | 29.178 |
| 27/09/2011 00:00:00 | ♁  | 04°54'55" ♋  | -19°08'49" | 04°12'06"  | 00°00'19"  | 32.062 |
| 27/09/2011 00:00:00 | ♏  | 17°18'56" ♋r | -22°49'57" | 00°00'00"  | -00°10'46" | 0.002  |
| 27/09/2011 00:00:00 | ♃  | 01°35'26" ♋r | -05°13'49" | 06°04'09"  | -00°02'21" | 16.048 |
| 27/09/2011 00:00:00 | ♁  | 20°59'40" ♏  | 12°11'42"  | 04°19'19"  | 00°06'41"  | 0.003  |
| 27/09/2011 00:00:00 | T♏ | 17°18'56" ♋r | -22°49'57" | 00°00'00"  | -00°10'46" | 0.002  |
| 27/09/2011 00:00:00 | T♁ | 14°44'37" ♏r | 09°55'22"  | 04°27'48"  | -01°53'25" | 0.003  |
| 27/09/2011 00:00:00 | X  | 22°07'01" ♏r | -03°54'43" | -13°28'43" | -00°00'34" | 95.653 |
| 27/09/2011 00:00:00 | Y  | 23°02'41" ♏r | 06°53'31"  | -12°00'29" | -00°00'21" | 86.434 |
| 28/09/2011 00:00:00 | ♁  | 04°31'48" ♋  | -01°48'01" | -00°00'00" | 00°58'53"  | 1.002  |
| 28/09/2011 00:00:00 | ♃  | 12°11'13" ♋  | -09°00'43" | -04°33'35" | 15°16'44"  | 0.002  |
| 28/09/2011 00:00:00 | ♁  | 03°50'38" ♋  | -00°13'11" | 01°25'30"  | 01°48'00"  | 1.391  |
| 28/09/2011 00:00:00 | ♀  | 16°01'07" ♋  | -05°21'02" | 01°01'47"  | 01°14'36"  | 1.676  |
| 28/09/2011 00:00:00 | ♂  | 05°24'27" ♏  | 19°57'35"  | 01°04'34"  | 00°35'56"  | 1.833  |
| 28/09/2011 00:00:00 | ♃  | 09°01'17" ♏r | 13°06'55"  | -01°27'47" | -00°05'25" | 4.101  |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 28/09/2011 00:00:00 | ♃ | 18°15'21" ♈ | -05°04'20" | 02°15'15"  | 00°07'11"  | 10.635 |
| 28/09/2011 00:00:00 | ♃ | 02°29'53" ♏ | 00°17'10"  | -00°46'14" | -00°02'24" | 19.079 |
| 28/09/2011 00:00:00 | ♃ | 28°36'55" ♏ | -12°28'35" | -00°33'23" | -00°01'15" | 29.188 |
| 28/09/2011 00:00:00 | ♃ | 04°55'15" ♏ | -19°09'02" | 04°11'52"  | 00°00'21"  | 32.079 |
| 28/09/2011 00:00:00 | ♃ | 17°08'33" ♏ | -22°48'57" | 00°00'00"  | -00°09'47" | 0.002  |
| 28/09/2011 00:00:00 | ♃ | 01°33'06" ♏ | -05°14'53" | 06°03'54"  | -00°02'18" | 16.058 |
| 28/09/2011 00:00:00 | ♃ | 21°06'21" ♏ | 12°13'48"  | 04°18'50"  | 00°06'41"  | 0.003  |
| 28/09/2011 00:00:00 | ♃ | 17°08'33" ♏ | -22°48'57" | 00°00'00"  | -00°09'47" | 0.002  |
| 28/09/2011 00:00:00 | ♃ | 12°56'11" ♏ | 09°16'47"  | 04°31'54"  | -01°46'31" | 0.003  |
| 28/09/2011 00:00:00 | X | 22°06'27" ♏ | -03°54'56" | -13°28'44" | -00°00'34" | 95.648 |
| 28/09/2011 00:00:00 | Y | 23°02'19" ♏ | 06°53'20"  | -12°00'35" | -00°00'22" | 86.421 |
| 29/09/2011 00:00:00 | ♃ | 05°30'42" ♈ | -02°11'22" | -00°00'00" | 00°58'55"  | 1.002  |
| 29/09/2011 00:00:00 | ♃ | 27°25'24" ♈ | -14°08'09" | -03°50'24" | 15°09'51"  | 0.002  |
| 29/09/2011 00:00:00 | ♃ | 05°38'14" ♈ | -01°00'17" | 01°20'38"  | 01°47'10"  | 1.397  |
| 29/09/2011 00:00:00 | ♃ | 17°15'44" ♈ | -05°51'09" | 01°00'06"  | 01°14'36"  | 1.674  |
| 29/09/2011 00:00:00 | ♃ | 06°00'21" ♏ | 19°49'35"  | 01°05'27"  | 00°35'50"  | 1.827  |
| 29/09/2011 00:00:00 | ♃ | 08°55'46" ♏ | 13°05'03"  | -01°27'55" | -00°05'35" | 4.093  |
| 29/09/2011 00:00:00 | ♃ | 18°22'33" ♈ | -05°07'06" | 02°15'13"  | 00°07'12"  | 10.639 |
| 29/09/2011 00:00:00 | ♃ | 02°27'28" ♏ | 00°16'12"  | -00°46'14" | -00°02'24" | 19.080 |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 29/09/2011 00:00:00 | ♁ | 28°35'41" ♉ | -12°29'01" | -00°33'23" | -00°01'13" | 29.198 |
| 29/09/2011 00:00:00 | ♁ | 04°55'37" ♉ | -19°09'16" | 04°11'38"  | 00°00'22"  | 32.097 |
| 29/09/2011 00:00:00 | ♁ | 16°59'43" ♉ | -22°48'06" | 00°00'00"  | -00°07'42" | 0.002  |
| 29/09/2011 00:00:00 | ♁ | 01°30'49" ♉ | -05°15'56" | 06°03'38"  | -00°02'16" | 16.069 |
| 29/09/2011 00:00:00 | ♁ | 21°13'03" ♉ | 12°15'53"  | 04°18'21"  | 00°06'41"  | 0.003  |
| 29/09/2011 00:00:00 | ♁ | 16°59'43" ♉ | -22°48'06" | 00°00'00"  | -00°07'42" | 0.002  |
| 29/09/2011 00:00:00 | ♁ | 11°05'36" ♉ | 08°37'15"  | 04°36'06"  | -01°57'08" | 0.003  |
| 29/09/2011 00:00:00 | X | 22°05'53" ♉ | -03°55'09" | -13°28'44" | -00°00'34" | 95.643 |
| 29/09/2011 00:00:00 | Y | 23°01'56" ♉ | 06°53'08"  | -12°00'42" | -00°00'22" | 86.408 |
| 30/09/2011 00:00:00 | ♁ | 06°29'38" ♉ | -02°34'42" | -00°00'00" | 00°58'57"  | 1.002  |
| 30/09/2011 00:00:00 | ♁ | 12°27'45" ♉ | -18°17'53" | -02°51'34" | 14°53'29"  | 0.002  |
| 30/09/2011 00:00:00 | ♁ | 07°24'59" ♉ | -01°47'12" | 01°15'29"  | 01°46'20"  | 1.402  |
| 30/09/2011 00:00:00 | ♁ | 18°30'21" ♉ | -06°21'09" | 00°58'23"  | 01°14'36"  | 1.671  |
| 30/09/2011 00:00:00 | ♁ | 06°36'09" ♉ | 19°41'28"  | 01°06'20"  | 00°35'45"  | 1.820  |
| 30/09/2011 00:00:00 | ♁ | 08°50'07" ♉ | 13°03'09"  | -01°28'02" | -00°05'44" | 4.084  |
| 30/09/2011 00:00:00 | ♁ | 18°29'46" ♉ | -05°09'52" | 02°15'11"  | 00°07'13"  | 10.642 |
| 30/09/2011 00:00:00 | ♁ | 02°25'04" ♉ | 00°15'15"  | -00°46'13" | -00°02'24" | 19.081 |
| 30/09/2011 00:00:00 | ♁ | 28°34'28" ♉ | -12°29'26" | -00°33'23" | -00°01'12" | 29.209 |
| 30/09/2011 00:00:00 | ♁ | 04°56'00" ♉ | -19°09'29" | 04°11'24"  | 00°00'24"  | 32.115 |

Ephemerides year 2011

|                     |    |              |            |            |            |        |
|---------------------|----|--------------|------------|------------|------------|--------|
| 30/09/2011 00:00:00 | ♏  | 16°53'19" ♀r | -22°47'29" | 00°00'00"  | -00°05'03" | 0.002  |
| 30/09/2011 00:00:00 | ♋  | 01°28'33" ♀r | -05°16'59" | 06°03'21"  | -00°02'14" | 16.080 |
| 30/09/2011 00:00:00 | ♌  | 21°19'45" ♀r | 12°17'58"  | 04°17'52"  | 00°06'41"  | 0.003  |
| 30/09/2011 00:00:00 | T♏ | 16°53'19" ♀r | -22°47'29" | 00°00'00"  | -00°05'03" | 0.002  |
| 30/09/2011 00:00:00 | T♌ | 08°58'59" ♀r | 07°51'38"  | 04°40'49"  | -02°16'11" | 0.003  |
| 30/09/2011 00:00:00 | X  | 22°05'18" ♀r | -03°55'21" | -13°28'44" | -00°00'34" | 95.639 |
| 30/09/2011 00:00:00 | Y  | 23°01'33" ♂r | 06°52'57"  | -12°00'48" | -00°00'23" | 86.395 |
| 01/10/2011 00:00:00 | ♍  | 07°28'36" ♀r | -02°58'00" | -00°00'00" | 00°58'59"  | 1.001  |
| 01/10/2011 00:00:00 | ♎  | 27°10'13" ♀r | -21°11'07" | -01°42'21" | 14°30'38"  | 0.002  |
| 01/10/2011 00:00:00 | ♏  | 09°10'53" ♀r | -02°33'54" | 01°10'04"  | 01°45'28"  | 1.406  |
| 01/10/2011 00:00:00 | ♐  | 19°44'58" ♀r | -06°51'00" | 00°56'36"  | 01°14'37"  | 1.669  |
| 01/10/2011 00:00:00 | ♑  | 07°11'51" ♀r | 19°33'17"  | 01°07'13"  | 00°35'39"  | 1.814  |
| 01/10/2011 00:00:00 | ♒  | 08°44'18" ♂r | 13°01'11"  | -01°28'09" | -00°05'53" | 4.077  |
| 01/10/2011 00:00:00 | ♓  | 18°37'00" ♀r | -05°12'38" | 02°15'09"  | 00°07'14"  | 10.646 |
| 01/10/2011 00:00:00 | ♈  | 02°22'40" ♀r | 00°14'18"  | -00°46'13" | -00°02'23" | 19.083 |
| 01/10/2011 00:00:00 | ♉  | 28°33'16" ♀r | -12°29'51" | -00°33'23" | -00°01'10" | 29.220 |
| 01/10/2011 00:00:00 | ♊  | 04°56'26" ♀r | -19°09'42" | 04°11'10"  | 00°00'26"  | 32.132 |
| 01/10/2011 00:00:00 | ♋  | 16°49'36" ♀r | -22°47'07" | 00°00'00"  | -00°02'26" | 0.002  |
| 01/10/2011 00:00:00 | ♌  | 01°26'21" ♀r | -05°18'01" | 06°03'05"  | -00°02'11" | 16.091 |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 01/10/2011 00:00:00 | ☾ | 21°26'27" ♀ | 12°20'03"  | 04°17'23"  | 00°06'42"  | 0.003  |
| 01/10/2011 00:00:00 | ♄ | 16°49'36" ♀ | -22°47'07" | 00°00'00"  | -00°02'26" | 0.002  |
| 01/10/2011 00:00:00 | ♄ | 06°36'13" ♀ | 06°59'38"  | 04°45'46"  | -02°26'16" | 0.003  |
| 01/10/2011 00:00:00 | X | 22°04'44" ♀ | -03°55'34" | -13°28'45" | -00°00'34" | 95.634 |
| 01/10/2011 00:00:00 | Y | 23°01'10" ♂ | 06°52'45"  | -12°00'54" | -00°00'23" | 86.382 |
| 02/10/2011 00:00:00 | ☉ | 08°27'36" ♀ | -03°21'16" | 00°00'00"  | 00°59'00"  | 1.001  |
| 02/10/2011 00:00:00 | ☾ | 11°28'02" ♀ | -22°37'25" | -00°28'21" | 14°04'44"  | 0.002  |
| 02/10/2011 00:00:00 | ♀ | 10°55'56" ♀ | -03°20'17" | 01°04'24"  | 01°44'36"  | 1.409  |
| 02/10/2011 00:00:00 | ♀ | 20°59'35" ♀ | -07°20'44" | 00°54'47"  | 01°14'37"  | 1.667  |
| 02/10/2011 00:00:00 | ♂ | 07°47'27" ♂ | 19°25'00"  | 01°08'07"  | 00°35'33"  | 1.807  |
| 02/10/2011 00:00:00 | ♃ | 08°38'20" ♂ | 12°59'11"  | -01°28'15" | -00°06'02" | 4.069  |
| 02/10/2011 00:00:00 | ♃ | 18°44'15" ♀ | -05°15'24" | 02°15'07"  | 00°07'15"  | 10.649 |
| 02/10/2011 00:00:00 | ♃ | 02°20'16" ♀ | 00°13'22"  | -00°46'13" | -00°02'23" | 19.084 |
| 02/10/2011 00:00:00 | ♃ | 28°32'06" ♀ | -12°30'15" | -00°33'22" | -00°01'09" | 29.231 |
| 02/10/2011 00:00:00 | ♃ | 04°56'54" ♀ | -19°09'55" | 04°10'56"  | 00°00'28"  | 32.150 |
| 02/10/2011 00:00:00 | ♄ | 16°48'13" ♀ | -22°46'59" | 00°00'00"  | -00°00'28" | 0.002  |
| 02/10/2011 00:00:00 | ♃ | 01°24'10" ♀ | -05°19'02" | 06°02'48"  | -00°02'09" | 16.102 |
| 02/10/2011 00:00:00 | ☾ | 21°33'09" ♀ | 12°22'08"  | 04°16'53"  | 00°06'42"  | 0.003  |
| 02/10/2011 00:00:00 | ♄ | 16°48'13" ♀ | -22°46'59" | 00°00'00"  | -00°00'28" | 0.002  |



Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 02/10/2011 00:00:00 | T♄ | 04°15'04" ♏ | 06°07'39"  | 04°50'12"  | -02°10'54" | 0.003  |
| 02/10/2011 00:00:00 | X  | 22°04'09" ♏ | -03°55'47" | -13°28'45" | -00°00'34" | 95.631 |
| 02/10/2011 00:00:00 | Y  | 23°00'46" ♏ | 06°52'34"  | -12°01'00" | -00°00'24" | 86.370 |
| 03/10/2011 00:00:00 | ☉  | 09°26'38" ♌ | -03°44'31" | 00°00'00"  | 00°59'02"  | 1.001  |
| 03/10/2011 00:00:00 | ☾  | 25°19'42" ♏ | -22°36'04" | 00°45'14"  | 13°38'45"  | 0.003  |
| 03/10/2011 00:00:00 | ♀  | 12°40'07" ♌ | -04°06'21" | 00°58'31"  | 01°43'45"  | 1.412  |
| 03/10/2011 00:00:00 | ♀  | 22°14'12" ♌ | -07°50'18" | 00°52'55"  | 01°14'37"  | 1.664  |
| 03/10/2011 00:00:00 | ♂  | 08°22'57" ♏ | 19°16'38"  | 01°09'00"  | 00°35'26"  | 1.800  |
| 03/10/2011 00:00:00 | ♃  | 08°32'13" ♏ | 12°57'08"  | -01°28'22" | -00°06'10" | 4.062  |
| 03/10/2011 00:00:00 | ♅  | 18°51'31" ♌ | -05°18'10" | 02°15'05"  | 00°07'16"  | 10.651 |
| 03/10/2011 00:00:00 | ♁  | 02°17'53" ♏ | 00°12'25"  | -00°46'12" | -00°02'23" | 19.087 |
| 03/10/2011 00:00:00 | ♃  | 28°30'57" ♏ | -12°30'39" | -00°33'22" | -00°01'08" | 29.242 |
| 03/10/2011 00:00:00 | ♁  | 04°57'24" ♏ | -19°10'07" | 04°10'42"  | 00°00'30"  | 32.167 |
| 03/10/2011 00:00:00 | ♏  | 16°48'17" ♏ | -22°46'59" | 00°00'00"  | 00°00'25"  | 0.002  |
| 03/10/2011 00:00:00 | ♃  | 01°22'02" ♏ | -05°20'03" | 06°02'30"  | -00°02'06" | 16.114 |
| 03/10/2011 00:00:00 | ♄  | 21°39'51" ♏ | 12°24'12"  | 04°16'24"  | 00°06'42"  | 0.003  |
| 03/10/2011 00:00:00 | T♏ | 16°48'17" ♏ | -22°46'59" | 00°00'00"  | 00°00'25"  | 0.002  |
| 03/10/2011 00:00:00 | T♄ | 02°24'33" ♏ | 05°26'33"  | 04°53'19"  | -01°25'36" | 0.003  |
| 03/10/2011 00:00:00 | X  | 22°03'34" ♏ | -03°55'59" | -13°28'45" | -00°00'34" | 95.627 |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 03/10/2011 00:00:00 | Y  | 23°00'22" ♃ | 06°52'22"  | -12°01'06" | -00°00'24" | 86.358 |
| 04/10/2011 00:00:00 | ☉  | 10°25'41" ♌ | -04°07'42" | 00°00'00"  | 00°59'04"  | 1.001  |
| 04/10/2011 00:00:00 | ☾  | 08°46'13" ♌ | -21°14'54" | 01°54'10"  | 13°14'46"  | 0.003  |
| 04/10/2011 00:00:00 | ♀  | 14°23'26" ♌ | -04°52'01" | 00°52'27"  | 01°42'53"  | 1.414  |
| 04/10/2011 00:00:00 | ♀  | 23°28'49" ♌ | -08°19'42" | 00°51'00"  | 01°14'37"  | 1.662  |
| 04/10/2011 00:00:00 | ♂  | 08°58'21" ♌ | 19°08'11"  | 01°09'54"  | 00°35'20"  | 1.793  |
| 04/10/2011 00:00:00 | ♃  | 08°25'58" ♃ | 12°55'03"  | -01°28'27" | -00°06'19" | 4.055  |
| 04/10/2011 00:00:00 | ♅  | 18°58'47" ♌ | -05°20'56" | 02°15'04"  | 00°07'16"  | 10.654 |
| 04/10/2011 00:00:00 | ♁  | 02°15'30" ♃ | 00°11'29"  | -00°46'12" | -00°02'22" | 19.089 |
| 04/10/2011 00:00:00 | ♃  | 28°29'50" ♌ | -12°31'02" | -00°33'22" | -00°01'06" | 29.254 |
| 04/10/2011 00:00:00 | ♁  | 04°57'55" ♌ | -19°10'20" | 04°10'28"  | 00°00'32"  | 32.185 |
| 04/10/2011 00:00:00 | ♁  | 16°48'40" ♌ | -22°47'01" | 00°00'00"  | 00°00'07"  | 0.002  |
| 04/10/2011 00:00:00 | ♃  | 01°19'57" ♌ | -05°21'03" | 06°02'13"  | -00°02'04" | 16.126 |
| 04/10/2011 00:00:00 | ♁  | 21°46'33" ♃ | 12°26'16"  | 04°15'54"  | 00°06'41"  | 0.003  |
| 04/10/2011 00:00:00 | T♁ | 16°48'40" ♌ | -22°47'01" | 00°00'00"  | 00°00'07"  | 0.002  |
| 04/10/2011 00:00:00 | T♃ | 01°30'38" ♃ | 05°06'23"  | 04°54'42"  | -00°20'07" | 0.003  |
| 04/10/2011 00:00:00 | X  | 22°02'59" ♃ | -03°56'12" | -13°28'45" | -00°00'35" | 95.623 |
| 04/10/2011 00:00:00 | Y  | 22°59'57" ♃ | 06°52'11"  | -12°01'12" | -00°00'25" | 86.345 |
| 05/10/2011 00:00:00 | ☉  | 11°24'47" ♌ | -04°30'50" | 00°00'00"  | 00°59'06"  | 1.000  |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 05/10/2011 00:00:00 | ♃ | 21°50'18" ♃ | -18°47'01" | 02°55'09"  | 12°53'58"  | 0.003  |
| 05/10/2011 00:00:00 | ♆ | 16°05'55" ♃ | -05°37'15" | 00°46'12"  | 01°42'02"  | 1.415  |
| 05/10/2011 00:00:00 | ♀ | 24°43'26" ♃ | -08°48'55" | 00°49'02"  | 01°14'36"  | 1.659  |
| 05/10/2011 00:00:00 | ♂ | 09°33'38" ♃ | 18°59'39"  | 01°10'48"  | 00°35'14"  | 1.786  |
| 05/10/2011 00:00:00 | ♃ | 08°19'35" ♃ | 12°52'55"  | -01°28'33" | -00°06'27" | 4.048  |
| 05/10/2011 00:00:00 | ♃ | 19°06'04" ♃ | -05°23'42" | 02°15'03"  | 00°07'17"  | 10.656 |
| 05/10/2011 00:00:00 | ♃ | 02°13'07" ♃ | 00°10'33"  | -00°46'11" | -00°02'22" | 19.092 |
| 05/10/2011 00:00:00 | ♃ | 28°28'44" ♃ | -12°31'25" | -00°33'22" | -00°01'05" | 29.265 |
| 05/10/2011 00:00:00 | ♃ | 04°58'29" ♃ | -19°10'33" | 04°10'14"  | 00°00'34"  | 32.202 |
| 05/10/2011 00:00:00 | ♃ | 16°48'10" ♃ | -22°46'58" | 00°00'00"  | -00°01'16" | 0.002  |
| 05/10/2011 00:00:00 | ♃ | 01°17'54" ♃ | -05°22'03" | 06°01'55"  | -00°02'01" | 16.138 |
| 05/10/2011 00:00:00 | ♃ | 21°53'15" ♃ | 12°28'20"  | 04°15'24"  | 00°06'41"  | 0.003  |
| 05/10/2011 00:00:00 | ♃ | 16°48'10" ♃ | -22°46'58" | 00°00'00"  | -00°01'16" | 0.002  |
| 05/10/2011 00:00:00 | ♃ | 01°45'47" ♃ | 05°12'01"  | 04°54'17"  | 00°49'56"  | 0.003  |
| 05/10/2011 00:00:00 | X | 22°02'24" ♃ | -03°56'24" | -13°28'44" | -00°00'35" | 95.620 |
| 05/10/2011 00:00:00 | Y | 22°59'31" ♃ | 06°51'59"  | -12°01'18" | -00°00'25" | 86.334 |
| 06/10/2011 00:00:00 | ♃ | 12°23'54" ♃ | -04°53'55" | 00°00'00"  | 00°59'07"  | 1.000  |
| 06/10/2011 00:00:00 | ♃ | 04°35'23" ♃ | -15°27'24" | 03°45'48"  | 12°36'48"  | 0.003  |
| 06/10/2011 00:00:00 | ♆ | 17°47'32" ♃ | -06°22'02" | 00°39'49"  | 01°41'12"  | 1.416  |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 06/10/2011 00:00:00 | ♀ | 25°58'03" ♈ | -09°17'56" | 00°47'02"  | 01°14'36"  | 1.656  |
| 06/10/2011 00:00:00 | ♂ | 10°08'50" ♏ | 18°51'02"  | 01°11'42"  | 00°35'08"  | 1.779  |
| 06/10/2011 00:00:00 | ♃ | 08°13'04" ♉ | 12°50'45"  | -01°28'38" | -00°06'35" | 4.041  |
| 06/10/2011 00:00:00 | ♅ | 19°13'21" ♋ | -05°26'28" | 02°15'01"  | 00°07'17"  | 10.658 |
| 06/10/2011 00:00:00 | ♁ | 02°10'45" ♈ | 00°09'37"  | -00°46'10" | -00°02'21" | 19.095 |
| 06/10/2011 00:00:00 | ♆ | 28°27'40" ♎ | -12°31'47" | -00°33'22" | -00°01'03" | 29.277 |
| 06/10/2011 00:00:00 | ♁ | 04°59'04" ♈ | -19°10'45" | 04°10'00"  | 00°00'36"  | 32.220 |
| 06/10/2011 00:00:00 | ♁ | 16°45'50" ♈ | -22°46'44" | 00°00'00"  | -00°03'29" | 0.002  |
| 06/10/2011 00:00:00 | ♃ | 01°15'54" ♈ | -05°23'01" | 06°01'37"  | -00°01'58" | 16.150 |
| 06/10/2011 00:00:00 | ♁ | 21°59'57" ♈ | 12°30'24"  | 04°14'54"  | 00°06'41"  | 0.003  |
| 06/10/2011 00:00:00 | ♁ | 16°45'50" ♈ | -22°46'44" | 00°00'00"  | -00°03'29" | 0.002  |
| 06/10/2011 00:00:00 | ♁ | 03°07'47" ♈ | 05°42'35"  | 04°52'03"  | 01°51'56"  | 0.003  |
| 06/10/2011 00:00:00 | X | 22°01'49" ♈ | -03°56'36" | -13°28'44" | -00°00'35" | 95.617 |
| 06/10/2011 00:00:00 | Y | 22°59'05" ♉ | 06°51'48"  | -12°01'23" | -00°00'26" | 86.322 |
| 07/10/2011 00:00:00 | ☉ | 13°23'02" ♈ | -05°16'57" | 00°00'00"  | 00°59'09"  | 1.000  |
| 07/10/2011 00:00:00 | ☾ | 17°05'06" ♎ | -11°30'27" | 04°24'31"  | 12°23'10"  | 0.003  |
| 07/10/2011 00:00:00 | ♆ | 19°28'21" ♋ | -07°06'19" | 00°33'18"  | 01°40'23"  | 1.416  |
| 07/10/2011 00:00:00 | ♀ | 27°12'40" ♈ | -09°46'45" | 00°45'00"  | 01°14'36"  | 1.654  |
| 07/10/2011 00:00:00 | ♂ | 10°43'55" ♏ | 18°42'21"  | 01°12'37"  | 00°35'02"  | 1.772  |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 07/10/2011 00:00:00 | ♃ | 08°06'24" ♂ | 12°48'32"  | -01°28'43" | -00°06'42" | 4.035  |
| 07/10/2011 00:00:00 | ♅ | 19°20'39" ♀ | -05°29'14" | 02°15'01"  | 00°07'18"  | 10.660 |
| 07/10/2011 00:00:00 | ♁ | 02°08'24" ♀ | 00°08'41"  | -00°46'10" | -00°02'21" | 19.099 |
| 07/10/2011 00:00:00 | ♆ | 28°26'36" ♀ | -12°32'09" | -00°33'22" | -00°01'02" | 29.289 |
| 07/10/2011 00:00:00 | ♁ | 04°59'41" ♂ | -19°10'58" | 04°09'46"  | 00°00'37"  | 32.237 |
| 07/10/2011 00:00:00 | ♁ | 16°41'03" ♂ | -22°46'16" | 00°00'00"  | -00°06'04" | 0.002  |
| 07/10/2011 00:00:00 | ♆ | 01°13'57" ♀ | -05°24'00" | 06°01'18"  | -00°01'56" | 16.163 |
| 07/10/2011 00:00:00 | ♁ | 22°06'39" ♀ | 12°32'27"  | 04°14'24"  | 00°06'41"  | 0.003  |
| 07/10/2011 00:00:00 | ♁ | 16°41'03" ♂ | -22°46'16" | 00°00'00"  | -00°06'04" | 0.002  |
| 07/10/2011 00:00:00 | ♁ | 05°24'40" ♀ | 06°33'17"  | 04°48'00"  | 02°39'03"  | 0.003  |
| 07/10/2011 00:00:00 | X | 22°01'14" ♀ | -03°56'48" | -13°28'43" | -00°00'35" | 95.615 |
| 07/10/2011 00:00:00 | Y | 22°58'39" ♂ | 06°51'36"  | -12°01'29" | -00°00'26" | 86.311 |
| 08/10/2011 00:00:00 | ♁ | 14°22'13" ♀ | -05°39'54" | 00°00'00"  | 00°59'11"  | 0.999  |
| 08/10/2011 00:00:00 | ♁ | 29°22'46" ♀ | -07°09'05" | 04°50'15"  | 12°12'38"  | 0.003  |
| 08/10/2011 00:00:00 | ♁ | 21°08'20" ♀ | -07°50'04" | 00°26'41"  | 01°39'35"  | 1.415  |
| 08/10/2011 00:00:00 | ♁ | 28°27'16" ♀ | -10°15'20" | 00°42'54"  | 01°14'36"  | 1.651  |
| 08/10/2011 00:00:00 | ♁ | 11°18'54" ♂ | 18°33'36"  | 01°13'31"  | 00°34'55"  | 1.765  |
| 08/10/2011 00:00:00 | ♃ | 07°59'38" ♂ | 12°46'17"  | -01°28'48" | -00°06'50" | 4.029  |
| 08/10/2011 00:00:00 | ♅ | 19°27'58" ♀ | -05°31'59" | 02°15'00"  | 00°07'18"  | 10.662 |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 08/10/2011 00:00:00 | ♃ | 02°06'03" ♀ | 00°07'46"  | -00°46'09" | -00°02'20" | 19.102 |
| 08/10/2011 00:00:00 | ♃ | 28°25'35" ♀ | -12°32'30" | -00°33'22" | -00°01'00" | 29.302 |
| 08/10/2011 00:00:00 | ♃ | 05°00'19" ♀ | -19°11'10" | 04°09'33"  | 00°00'39"  | 32.254 |
| 08/10/2011 00:00:00 | ♃ | 16°33'43" ♀ | -22°45'32" | 00°00'00"  | -00°08'32" | 0.003  |
| 08/10/2011 00:00:00 | ♃ | 01°12'02" ♀ | -05°24'57" | 06°00'59"  | -00°01'53" | 16.176 |
| 08/10/2011 00:00:00 | ♃ | 22°13'21" ♀ | 12°34'31"  | 04°13'54"  | 00°06'41"  | 0.003  |
| 08/10/2011 00:00:00 | ♃ | 16°33'43" ♀ | -22°45'32" | 00°00'00"  | -00°08'32" | 0.003  |
| 08/10/2011 00:00:00 | ♃ | 08°20'09" ♀ | 07°37'31"  | 04°42'11"  | 03°09'04"  | 0.003  |
| 08/10/2011 00:00:00 | X | 22°00'38" ♀ | -03°57'00" | -13°28'43" | -00°00'35" | 95.613 |
| 08/10/2011 00:00:00 | Y | 22°58'12" ♀ | 06°51'24"  | -12°01'34" | -00°00'27" | 86.299 |
| 09/10/2011 00:00:00 | ♃ | 15°21'25" ♀ | -06°02'46" | 00°00'00"  | 00°59'13"  | 0.999  |
| 09/10/2011 00:00:00 | ♃ | 11°31'14" ♀ | -02°34'35" | 05°02'30"  | 12°04'40"  | 0.003  |
| 09/10/2011 00:00:00 | ♃ | 22°47'32" ♀ | -08°33'16" | 00°19'58"  | 01°38'48"  | 1.414  |
| 09/10/2011 00:00:00 | ♃ | 29°41'53" ♀ | -10°43'42" | 00°40'47"  | 01°14'36"  | 1.648  |
| 09/10/2011 00:00:00 | ♃ | 11°53'46" ♀ | 18°24'46"  | 01°14'26"  | 00°34'49"  | 1.758  |
| 09/10/2011 00:00:00 | ♃ | 07°52'44" ♀ | 12°44'00"  | -01°28'52" | -00°06'57" | 4.023  |
| 09/10/2011 00:00:00 | ♃ | 19°35'16" ♀ | -05°34'45" | 02°14'59"  | 00°07'18"  | 10.663 |
| 09/10/2011 00:00:00 | ♃ | 02°03'43" ♀ | 00°06'51"  | -00°46'08" | -00°02'19" | 19.106 |
| 09/10/2011 00:00:00 | ♃ | 28°24'35" ♀ | -12°32'51" | -00°33'21" | -00°00'59" | 29.314 |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 09/10/2011 00:00:00 | ♁ | 05°01'00" ♁ | -19°11'23" | 04°09'19"  | 00°00'41"  | 32.272 |
| 09/10/2011 00:00:00 | ♁ | 16°24'08" ♁ | -22°44'34" | 00°00'00"  | -00°10'28" | 0.003  |
| 09/10/2011 00:00:00 | ♁ | 01°10'10" ♁ | -05°25'54" | 06°00'40"  | -00°01'50" | 16.189 |
| 09/10/2011 00:00:00 | ♁ | 22°20'03" ♁ | 12°36'34"  | 04°13'24"  | 00°06'41"  | 0.003  |
| 09/10/2011 00:00:00 | ♁ | 16°24'08" ♁ | -22°44'34" | 00°00'00"  | -00°10'28" | 0.003  |
| 09/10/2011 00:00:00 | ♁ | 11°37'22" ♁ | 08°48'31"  | 04°34'47"  | 03°22'52"  | 0.003  |
| 09/10/2011 00:00:00 | X | 22°00'02" ♁ | -03°57'12" | -13°28'42" | -00°00'35" | 95.611 |
| 09/10/2011 00:00:00 | Y | 22°57'44" ♁ | 06°51'13"  | -12°01'39" | -00°00'27" | 86.288 |
| 10/10/2011 00:00:00 | ♁ | 16°20'39" ♁ | -06°25'34" | 00°00'00"  | 00°59'15"  | 0.999  |
| 10/10/2011 00:00:00 | ♁ | 23°32'49" ♁ | 02°02'53"  | 05°01'09"  | 11°58'45"  | 0.003  |
| 10/10/2011 00:00:00 | ♁ | 24°25'57" ♁ | -09°15'53" | 00°13'11"  | 01°38'01"  | 1.412  |
| 10/10/2011 00:00:00 | ♁ | 00°56'29" ♁ | -11°11'49" | 00°38'37"  | 01°14'36"  | 1.645  |
| 10/10/2011 00:00:00 | ♁ | 12°28'33" ♁ | 18°15'52"  | 01°15'21"  | 00°34'42"  | 1.751  |
| 10/10/2011 00:00:00 | ♁ | 07°45'43" ♁ | 12°41'41"  | -01°28'55" | -00°07'04" | 4.018  |
| 10/10/2011 00:00:00 | ♁ | 19°42'35" ♁ | -05°37'30" | 02°14'59"  | 00°07'19"  | 10.664 |
| 10/10/2011 00:00:00 | ♁ | 02°01'24" ♁ | 00°05'57"  | -00°46'07" | -00°02'18" | 19.111 |
| 10/10/2011 00:00:00 | ♁ | 28°23'36" ♁ | -12°33'11" | -00°33'21" | -00°00'57" | 29.327 |
| 10/10/2011 00:00:00 | ♁ | 05°01'42" ♁ | -19°11'35" | 04°09'05"  | 00°00'43"  | 32.289 |
| 10/10/2011 00:00:00 | ♁ | 16°13'03" ♁ | -22°43'26" | 00°00'00"  | -00°11'31" | 0.003  |

Ephemerides year 2011

|                     |   |              |            |            |            |        |
|---------------------|---|--------------|------------|------------|------------|--------|
| 10/10/2011 00:00:00 | ♁ | 01°08'20" ♃r | -05°26'50" | 06°00'21"  | -00°01'47" | 16.202 |
| 10/10/2011 00:00:00 | ♁ | 22°26'44" ♃  | 12°38'37"  | 04°12'53"  | 00°06'41"  | 0.003  |
| 10/10/2011 00:00:00 | ♁ | 16°13'03" ♃r | -22°43'26" | 00°00'00"  | -00°11'31" | 0.003  |
| 10/10/2011 00:00:00 | ♁ | 15°01'36" ♃  | 10°00'29"  | 04°26'12"  | 03°23'51"  | 0.003  |
| 10/10/2011 00:00:00 | X | 21°59'26" ♃r | -03°57'24" | -13°28'41" | -00°00'35" | 95.609 |
| 10/10/2011 00:00:00 | Y | 22°57'16" ♃r | 06°51'01"  | -12°01'44" | -00°00'28" | 86.278 |
| 11/10/2011 00:00:00 | ♁ | 17°19'55" ♃  | -06°48'17" | 00°00'00"  | 00°59'17"  | 0.998  |
| 11/10/2011 00:00:00 | ♁ | 05°29'18" ♃  | 06°33'49"  | 04°46'34"  | 11°54'29"  | 0.003  |
| 11/10/2011 00:00:00 | ♁ | 26°03'36" ♃  | -09°57'53" | 00°06'20"  | 01°37'16"  | 1.410  |
| 11/10/2011 00:00:00 | ♁ | 02°11'05" ♃  | -11°39'41" | 00°36'25"  | 01°14'36"  | 1.642  |
| 11/10/2011 00:00:00 | ♁ | 13°03'12" ♃  | 18°06'54"  | 01°16'17"  | 00°34'36"  | 1.744  |
| 11/10/2011 00:00:00 | ♁ | 07°38'36" ♃r | 12°39'20"  | -01°28'59" | -00°07'10" | 4.013  |
| 11/10/2011 00:00:00 | ♁ | 19°49'54" ♃  | -05°40'15" | 02°14'59"  | 00°07'19"  | 10.665 |
| 11/10/2011 00:00:00 | ♁ | 01°59'06" ♃r | 00°05'02"  | -00°46'07" | -00°02'17" | 19.115 |
| 11/10/2011 00:00:00 | ♁ | 28°22'39" ♃r | -12°33'30" | -00°33'21" | -00°00'56" | 29.340 |
| 11/10/2011 00:00:00 | ♁ | 05°02'26" ♃  | -19°11'47" | 04°08'51"  | 00°00'45"  | 32.306 |
| 11/10/2011 00:00:00 | ♁ | 16°01'25" ♃r | -22°42'14" | 00°00'00"  | -00°11'34" | 0.003  |
| 11/10/2011 00:00:00 | ♁ | 01°06'34" ♃r | -05°27'45" | 06°00'02"  | -00°01'44" | 16.215 |
| 11/10/2011 00:00:00 | ♁ | 22°33'26" ♃  | 12°40'39"  | 04°12'23"  | 00°06'41"  | 0.003  |



Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 11/10/2011 00:00:00 | T♄ | 16°01'25" ♏ | -22°42'14" | 00°00'00"  | -00°11'34" | 0.003  |
| 11/10/2011 00:00:00 | T♄ | 18°22'42" ♏ | 11°09'36"  | 04°16'52"  | 03°17'42"  | 0.003  |
| 11/10/2011 00:00:00 | X  | 21°58'51" ♏ | -03°57'36" | -13°28'39" | -00°00'35" | 95.608 |
| 11/10/2011 00:00:00 | Y  | 22°56'48" ♏ | 06°50'50"  | -12°01'49" | -00°00'28" | 86.267 |
| 12/10/2011 00:00:00 | ♁  | 18°19'13" ♏ | -07°10'55" | 00°00'00"  | 00°59'19"  | 0.998  |
| 12/10/2011 00:00:00 | ♂  | 17°22'16" ♏ | 10°48'51"  | 04°19'34"  | 11°51'40"  | 0.003  |
| 12/10/2011 00:00:00 | ♀  | 27°40'31" ♏ | -10°39'16" | -00°00'33" | 01°36'32"  | 1.407  |
| 12/10/2011 00:00:00 | ♋  | 03°25'42" ♏ | -12°07'16" | 00°34'11"  | 01°14'36"  | 1.640  |
| 12/10/2011 00:00:00 | ♌  | 13°37'46" ♏ | 17°57'52"  | 01°17'12"  | 00°34'29"  | 1.737  |
| 12/10/2011 00:00:00 | ♍  | 07°31'23" ♏ | 12°36'57"  | -01°29'02" | -00°07'16" | 4.008  |
| 12/10/2011 00:00:00 | ♎  | 19°57'14" ♏ | -05°43'00" | 02°14'59"  | 00°07'19"  | 10.666 |
| 12/10/2011 00:00:00 | ♏  | 01°56'48" ♏ | 00°04'09"  | -00°46'06" | -00°02'16" | 19.120 |
| 12/10/2011 00:00:00 | ♐  | 28°21'44" ♏ | -12°33'49" | -00°33'21" | -00°00'54" | 29.353 |
| 12/10/2011 00:00:00 | ♑  | 05°03'12" ♏ | -19°11'59" | 04°08'38"  | 00°00'46"  | 32.323 |
| 12/10/2011 00:00:00 | ♒  | 15°50'15" ♏ | -22°41'04" | 00°00'00"  | -00°10'35" | 0.003  |
| 12/10/2011 00:00:00 | ♓  | 01°04'51" ♏ | -05°28'40" | 05°59'42"  | -00°01'42" | 16.229 |
| 12/10/2011 00:00:00 | ♈  | 22°40'08" ♏ | 12°42'42"  | 04°11'52"  | 00°06'41"  | 0.003  |
| 12/10/2011 00:00:00 | T♄ | 15°50'15" ♏ | -22°41'04" | 00°00'00"  | -00°10'35" | 0.003  |
| 12/10/2011 00:00:00 | T♄ | 21°36'48" ♏ | 12°14'28"  | 04°07'07"  | 03°10'48"  | 0.003  |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 12/10/2011 00:00:00 | X  | 21°58'15" ♏ | -03°57'48" | -13°28'38" | -00°00'35" | 95.607 |
| 12/10/2011 00:00:00 | Y  | 22°56'19" ♏ | 06°50'38"  | -12°01'54" | -00°00'29" | 86.257 |
| 13/10/2011 00:00:00 | ☉  | 19°18'33" ♌ | -07°33'26" | 00°00'00"  | 00°59'21"  | 0.998  |
| 13/10/2011 00:00:00 | ☾  | 29°13'09" ♏ | 14°38'34"  | 03°41'20"  | 11°50'21"  | 0.003  |
| 13/10/2011 00:00:00 | ♀  | 29°16'42" ♌ | -11°19'59" | -00°07'28" | 01°35'49"  | 1.404  |
| 13/10/2011 00:00:00 | ♀  | 04°40'18" ♎ | -12°34'34" | 00°31'55"  | 01°14'36"  | 1.637  |
| 13/10/2011 00:00:00 | ♂  | 14°12'12" ♋ | 17°48'46"  | 01°18'08"  | 00°34'23"  | 1.729  |
| 13/10/2011 00:00:00 | ♃  | 07°24'03" ♏ | 12°34'33"  | -01°29'05" | -00°07'22" | 4.003  |
| 13/10/2011 00:00:00 | ♅  | 20°04'33" ♌ | -05°45'45" | 02°14'59"  | 00°07'19"  | 10.666 |
| 13/10/2011 00:00:00 | ♁  | 01°54'32" ♏ | 00°03'15"  | -00°46'05" | -00°02'15" | 19.125 |
| 13/10/2011 00:00:00 | ♃  | 28°20'51" ♏ | -12°34'08" | -00°33'20" | -00°00'52" | 29.367 |
| 13/10/2011 00:00:00 | ♁  | 05°04'00" ♌ | -19°12'10" | 04°08'24"  | 00°00'48"  | 32.340 |
| 13/10/2011 00:00:00 | ♋  | 15°40'30" ♏ | -22°40'02" | 00°00'00"  | -00°08'47" | 0.003  |
| 13/10/2011 00:00:00 | ♅  | 01°03'10" ♏ | -05°29'33" | 05°59'22"  | -00°01'39" | 16.243 |
| 13/10/2011 00:00:00 | ♁  | 22°46'50" ♏ | 12°44'44"  | 04°11'21"  | 00°06'41"  | 0.003  |
| 13/10/2011 00:00:00 | T♋ | 15°40'30" ♏ | -22°40'02" | 00°00'00"  | -00°08'47" | 0.003  |
| 13/10/2011 00:00:00 | T♁ | 24°45'30" ♏ | 13°15'37"  | 03°56'59"  | 03°07'17"  | 0.003  |
| 13/10/2011 00:00:00 | X  | 21°57'39" ♏ | -03°57'59" | -13°28'37" | -00°00'35" | 95.606 |
| 13/10/2011 00:00:00 | Y  | 22°55'49" ♏ | 06°50'26"  | -12°01'59" | -00°00'29" | 86.247 |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 14/10/2011 00:00:00 | ☉  | 20°17'55" ♈ | -07°55'51" | 00°00'00"  | 00°59'23"  | 0.998  |
| 14/10/2011 00:00:00 | ☾  | 11°03'34" ♉ | 17°53'25"  | 02°53'27"  | 11°50'49"  | 0.003  |
| 14/10/2011 00:00:00 | ♀  | 00°52'11" ♊ | -12°00'02" | -00°14'25" | 01°35'08"  | 1.400  |
| 14/10/2011 00:00:00 | ♋  | 05°54'54" ♊ | -13°01'35" | 00°29'36"  | 01°14'36"  | 1.634  |
| 14/10/2011 00:00:00 | ♌  | 14°46'32" ♋ | 17°39'37"  | 01°19'04"  | 00°34'16"  | 1.722  |
| 14/10/2011 00:00:00 | ♍  | 07°16'38" ♉ | 12°32'06"  | -01°29'07" | -00°07'27" | 3.999  |
| 14/10/2011 00:00:00 | ♎  | 20°11'53" ♈ | -05°48'29" | 02°15'00"  | 00°07'19"  | 10.666 |
| 14/10/2011 00:00:00 | ♏  | 01°52'16" ♏ | 00°02'22"  | -00°46'04" | -00°02'14" | 19.131 |
| 14/10/2011 00:00:00 | ♐  | 28°19'59" ♏ | -12°34'25" | -00°33'20" | -00°00'51" | 29.380 |
| 14/10/2011 00:00:00 | ♑  | 05°04'50" ♏ | -19°12'22" | 04°08'11"  | 00°00'50"  | 32.357 |
| 14/10/2011 00:00:00 | ♒  | 15°32'52" ♏ | -22°39'13" | 00°00'00"  | -00°06'26" | 0.002  |
| 14/10/2011 00:00:00 | ♓  | 01°01'33" ♏ | -05°30'26" | 05°59'02"  | -00°01'35" | 16.257 |
| 14/10/2011 00:00:00 | ♈  | 22°53'31" ♏ | 12°46'46"  | 04°10'50"  | 00°06'41"  | 0.003  |
| 14/10/2011 00:00:00 | T♏ | 15°32'52" ♏ | -22°39'13" | 00°00'00"  | -00°06'26" | 0.002  |
| 14/10/2011 00:00:00 | T♎ | 27°52'20" ♏ | 14°14'08"  | 03°46'20"  | 03°06'30"  | 0.003  |
| 14/10/2011 00:00:00 | X  | 21°57'03" ♏ | -03°58'11" | -13°28'35" | -00°00'35" | 95.605 |
| 14/10/2011 00:00:00 | Y  | 22°55'20" ♉ | 06°50'15"  | -12°02'04" | -00°00'29" | 86.237 |
| 15/10/2011 00:00:00 | ☉  | 21°17'20" ♈ | -08°18'10" | 00°00'00"  | 00°59'25"  | 0.997  |
| 15/10/2011 00:00:00 | ☾  | 22°55'33" ♉ | 20°24'03"  | 01°57'46"  | 11°53'33"  | 0.003  |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 15/10/2011 00:00:00 | ♀  | 02°26'58" ♍ | -12°39'24" | -00°21'21" | 01°34'27"  | 1.395  |
| 15/10/2011 00:00:00 | ♀  | 07°09'30" ♍ | -13°28'16" | 00°27'16"  | 01°14'36"  | 1.631  |
| 15/10/2011 00:00:00 | ♂  | 15°20'46" ♋ | 17°30'24"  | 01°20'00"  | 00°34'10"  | 1.715  |
| 15/10/2011 00:00:00 | ♃  | 07°09'07" ♉ | 12°29'38"  | -01°29'09" | -00°07'33" | 3.995  |
| 15/10/2011 00:00:00 | ♅  | 20°19'13" ♌ | -05°51'14" | 02°15'01"  | 00°07'19"  | 10.666 |
| 15/10/2011 00:00:00 | ♁  | 01°50'02" ♈ | 00°01'30"  | -00°46'03" | -00°02'13" | 19.137 |
| 15/10/2011 00:00:00 | ♆  | 28°19'08" ♋ | -12°34'42" | -00°33'20" | -00°00'49" | 29.394 |
| 15/10/2011 00:00:00 | ♁  | 05°05'41" ♈ | -19°12'34" | 04°07'57"  | 00°00'52"  | 32.374 |
| 15/10/2011 00:00:00 | ♋  | 15°27'42" ♈ | -22°38'39" | 00°00'00"  | -00°03'54" | 0.002  |
| 15/10/2011 00:00:00 | ♅  | 00°59'58" ♌ | -05°31'18" | 05°58'41"  | -00°01'32" | 16.271 |
| 15/10/2011 00:00:00 | ♁  | 23°00'13" ♈ | 12°48'47"  | 04°10'19"  | 00°06'41"  | 0.003  |
| 15/10/2011 00:00:00 | T♋ | 15°27'42" ♈ | -22°38'39" | 00°00'00"  | -00°03'54" | 0.002  |
| 15/10/2011 00:00:00 | T♁ | 00°57'54" ♉ | 15°10'02"  | 03°35'11"  | 03°03'47"  | 0.003  |
| 15/10/2011 00:00:00 | X  | 21°56'27" ♈ | -03°58'22" | -13°28'33" | -00°00'35" | 95.605 |
| 15/10/2011 00:00:00 | Y  | 22°54'50" ♉ | 06°50'03"  | -12°02'08" | -00°00'30" | 86.227 |
| 16/10/2011 00:00:00 | ♁  | 22°16'46" ♌ | -08°40'22" | 00°00'00"  | 00°59'27"  | 0.997  |
| 16/10/2011 00:00:00 | ♃  | 04°51'39" ♈ | 22°01'47"  | 00°56'27"  | 11°59'09"  | 0.003  |
| 16/10/2011 00:00:00 | ♀  | 04°01'05" ♍ | -13°18'02" | -00°28'17" | 01°33'46"  | 1.390  |
| 16/10/2011 00:00:00 | ♀  | 08°24'07" ♍ | -13°54'39" | 00°24'55"  | 01°14'36"  | 1.628  |

Ephemerides year 2011

|                     |    |              |            |            |            |        |
|---------------------|----|--------------|------------|------------|------------|--------|
| 16/10/2011 00:00:00 | ♂  | 15°54'52" ♏  | 17°21'08"  | 01°20'57"  | 00°34'03"  | 1.707  |
| 16/10/2011 00:00:00 | ♃  | 07°01'32" ♏r | 12°27'09"  | -01°29'10" | -00°07'37" | 3.991  |
| 16/10/2011 00:00:00 | ♅  | 20°26'32" ♋  | -05°53'58" | 02°15'01"  | 00°07'19"  | 10.666 |
| 16/10/2011 00:00:00 | ♁  | 01°47'49" ♏r | 00°00'38"  | -00°46'02" | -00°02'12" | 19.143 |
| 16/10/2011 00:00:00 | ♆  | 28°18'20" ♁r | -12°34'59" | -00°33'20" | -00°00'47" | 29.408 |
| 16/10/2011 00:00:00 | ♁  | 05°06'34" ♁  | -19°12'45" | 04°07'44"  | 00°00'54"  | 32.391 |
| 16/10/2011 00:00:00 | ♏  | 15°24'59" ♁r | -22°38'21" | 00°00'00"  | -00°01'34" | 0.002  |
| 16/10/2011 00:00:00 | ♃  | 00°58'27" ♁r | -05°32'09" | 05°58'21"  | -00°01'29" | 16.286 |
| 16/10/2011 00:00:00 | ♁  | 23°06'55" ♏  | 12°50'49"  | 04°09'48"  | 00°06'41"  | 0.003  |
| 16/10/2011 00:00:00 | T♏ | 15°24'59" ♁r | -22°38'21" | 00°00'00"  | -00°01'34" | 0.002  |
| 16/10/2011 00:00:00 | T♁ | 03°57'17" ♏  | 16°01'48"  | 03°23'51"  | 02°53'12"  | 0.003  |
| 16/10/2011 00:00:00 | X  | 21°55'51" ♏r | -03°58'33" | -13°28'31" | -00°00'35" | 95.605 |
| 16/10/2011 00:00:00 | Y  | 22°54'19" ♏r | 06°49'52"  | -12°02'13" | -00°00'30" | 86.218 |
| 17/10/2011 00:00:00 | ♁  | 23°16'15" ♋  | -09°02'27" | 00°00'00"  | 00°59'29"  | 0.997  |
| 17/10/2011 00:00:00 | ♃  | 16°55'04" ♁  | 22°39'32"  | -00°08'09" | 12°08'16"  | 0.003  |
| 17/10/2011 00:00:00 | ♁  | 05°34'33" ♁  | -13°55'57" | -00°35'11" | 01°33'07"  | 1.385  |
| 17/10/2011 00:00:00 | ♀  | 09°38'43" ♁  | -14°20'41" | 00°22'31"  | 01°14'36"  | 1.625  |
| 17/10/2011 00:00:00 | ♂  | 16°28'52" ♏  | 17°11'50"  | 01°21'53"  | 00°33'56"  | 1.700  |
| 17/10/2011 00:00:00 | ♃  | 06°53'52" ♏r | 12°24'38"  | -01°29'11" | -00°07'42" | 3.988  |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 17/10/2011 00:00:00 | ♃ | 20°33'52" ♁ | -05°56'41" | 02°15'02"  | 00°07'19"  | 10.665 |
| 17/10/2011 00:00:00 | ♃ | 01°45'37" ♁ | -00°00'13" | -00°46'01" | -00°02'11" | 19.149 |
| 17/10/2011 00:00:00 | ♃ | 28°17'33" ♁ | -12°35'15" | -00°33'19" | -00°00'45" | 29.422 |
| 17/10/2011 00:00:00 | ♃ | 05°07'29" ♁ | -19°12'56" | 04°07'30"  | 00°00'55"  | 32.408 |
| 17/10/2011 00:00:00 | ♃ | 15°24'21" ♁ | -22°38'17" | 00°00'00"  | 00°00'10"  | 0.002  |
| 17/10/2011 00:00:00 | ♃ | 00°56'58" ♁ | -05°33'00" | 05°58'00"  | -00°01'26" | 16.300 |
| 17/10/2011 00:00:00 | ♃ | 23°13'37" ♁ | 12°52'50"  | 04°09'17"  | 00°06'41"  | 0.003  |
| 17/10/2011 00:00:00 | ♃ | 15°24'21" ♁ | -22°38'17" | 00°00'00"  | 00°00'10"  | 0.002  |
| 17/10/2011 00:00:00 | ♃ | 06°40'06" ♁ | 16°46'41"  | 03°13'06"  | 02°30'02"  | 0.003  |
| 17/10/2011 00:00:00 | X | 21°55'15" ♁ | -03°58'44" | -13°28'29" | -00°00'35" | 95.605 |
| 17/10/2011 00:00:00 | Y | 22°53'49" ♁ | 06°49'40"  | -12°02'17" | -00°00'30" | 86.209 |
| 18/10/2011 00:00:00 | ♃ | 24°15'46" ♁ | -09°24'24" | 00°00'00"  | 00°59'32"  | 0.997  |
| 18/10/2011 00:00:00 | ♃ | 29°09'35" ♁ | 22°12'34"  | -01°13'29" | 12°21'28"  | 0.003  |
| 18/10/2011 00:00:00 | ♃ | 07°07'21" ♁ | -14°33'06" | -00°42'03" | 01°32'29"  | 1.379  |
| 18/10/2011 00:00:00 | ♃ | 10°53'20" ♁ | -14°46'22" | 00°20'06"  | 01°14'36"  | 1.622  |
| 18/10/2011 00:00:00 | ♃ | 17°02'45" ♁ | 17°02'28"  | 01°22'50"  | 00°33'49"  | 1.692  |
| 18/10/2011 00:00:00 | ♃ | 06°46'07" ♁ | 12°22'06"  | -01°29'12" | -00°07'46" | 3.985  |
| 18/10/2011 00:00:00 | ♃ | 20°41'11" ♁ | -05°59'24" | 02°15'03"  | 00°07'19"  | 10.664 |
| 18/10/2011 00:00:00 | ♃ | 01°43'26" ♁ | -00°01'04" | -00°46'00" | -00°02'10" | 19.156 |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 18/10/2011 00:00:00 | ♁ | 28°16'48" ♏ | -12°35'30" | -00°33'19" | -00°00'44" | 29.436 |
| 18/10/2011 00:00:00 | ♁ | 05°08'26" ♏ | -19°13'08" | 04°07'17"  | 00°00'57"  | 32.425 |
| 18/10/2011 00:00:00 | ♁ | 15°25'04" ♏ | -22°38'22" | 00°00'00"  | 00°01'07"  | 0.002  |
| 18/10/2011 00:00:00 | ♁ | 00°55'33" ♏ | -05°33'49" | 05°57'39"  | -00°01'23" | 16.315 |
| 18/10/2011 00:00:00 | ♁ | 23°20'19" ♏ | 12°54'51"  | 04°08'45"  | 00°06'41"  | 0.003  |
| 18/10/2011 00:00:00 | ♁ | 15°25'04" ♏ | -22°38'22" | 00°00'00"  | 00°01'07"  | 0.002  |
| 18/10/2011 00:00:00 | ♁ | 08°52'18" ♏ | 17°21'34"  | 03°04'05"  | 01°51'43"  | 0.003  |
| 18/10/2011 00:00:00 | X | 21°54'39" ♏ | -03°58'55" | -13°28'27" | -00°00'35" | 95.606 |
| 18/10/2011 00:00:00 | Y | 22°53'18" ♏ | 06°49'29"  | -12°02'21" | -00°00'31" | 86.200 |
| 19/10/2011 00:00:00 | ♁ | 25°15'20" ♏ | -09°46'13" | -00°00'00" | 00°59'34"  | 0.996  |
| 19/10/2011 00:00:00 | ♁ | 11°39'29" ♏ | 20°39'16"  | -02°16'47" | 12°39'05"  | 0.003  |
| 19/10/2011 00:00:00 | ♁ | 08°39'31" ♏ | -15°09'29" | -00°48'52" | 01°31'51"  | 1.373  |
| 19/10/2011 00:00:00 | ♁ | 12°07'56" ♏ | -15°11'42" | 00°17'40"  | 01°14'36"  | 1.618  |
| 19/10/2011 00:00:00 | ♁ | 17°36'31" ♏ | 16°53'03"  | 01°23'48"  | 00°33'42"  | 1.685  |
| 19/10/2011 00:00:00 | ♁ | 06°38'18" ♏ | 12°19'33"  | -01°29'12" | -00°07'50" | 3.982  |
| 19/10/2011 00:00:00 | ♁ | 20°48'30" ♏ | -06°02'07" | 02°15'05"  | 00°07'19"  | 10.663 |
| 19/10/2011 00:00:00 | ♁ | 01°41'17" ♏ | -00°01'54" | -00°45'58" | -00°02'08" | 19.162 |
| 19/10/2011 00:00:00 | ♁ | 28°16'05" ♏ | -12°35'45" | -00°33'19" | -00°00'42" | 29.451 |
| 19/10/2011 00:00:00 | ♁ | 05°09'24" ♏ | -19°13'19" | 04°07'04"  | 00°00'59"  | 32.441 |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 19/10/2011 00:00:00 | ♏  | 15°26'17" ♀ | -22°38'30" | 00°00'00"  | 00°01'07"  | 0.002  |
| 19/10/2011 00:00:00 | ♋  | 00°54'11" ♀ | -05°34'37" | 05°57'17"  | -00°01'20" | 16.330 |
| 19/10/2011 00:00:00 | ♌  | 23°27'00" ♀ | 12°56'52"  | 04°08'14"  | 00°06'41"  | 0.003  |
| 19/10/2011 00:00:00 | T♏ | 15°26'17" ♀ | -22°38'30" | 00°00'00"  | 00°01'07"  | 0.002  |
| 19/10/2011 00:00:00 | T♌ | 10°18'29" ♂ | 17°43'33"  | 02°58'05"  | 00°58'20"  | 0.003  |
| 19/10/2011 00:00:00 | X  | 21°54'03" ♀ | -03°59'06" | -13°28'24" | -00°00'35" | 95.607 |
| 19/10/2011 00:00:00 | Y  | 22°52'46" ♂ | 06°49'18"  | -12°02'25" | -00°00'31" | 86.192 |
| 20/10/2011 00:00:00 | ♍  | 26°14'55" ♀ | -10°07'54" | -00°00'00" | 00°59'36"  | 0.996  |
| 20/10/2011 00:00:00 | ♎  | 24°29'15" ♀ | 18°01'19"  | -03°14'57" | 13°01'07"  | 0.003  |
| 20/10/2011 00:00:00 | ♏  | 10°11'03" ♀ | -15°45'04" | -00°55'38" | 01°31'13"  | 1.366  |
| 20/10/2011 00:00:00 | ♌  | 13°22'33" ♀ | -15°36'39" | 00°15'12"  | 01°14'36"  | 1.615  |
| 20/10/2011 00:00:00 | ♍  | 18°10'09" ♀ | 16°43'36"  | 01°24'46"  | 00°33'34"  | 1.677  |
| 20/10/2011 00:00:00 | ♎  | 06°30'26" ♂ | 12°16'59"  | -01°29'12" | -00°07'54" | 3.979  |
| 20/10/2011 00:00:00 | ♏  | 20°55'49" ♀ | -06°04'50" | 02°15'06"  | 00°07'18"  | 10.662 |
| 20/10/2011 00:00:00 | ♌  | 01°39'09" ♀ | -00°02'44" | -00°45'57" | -00°02'07" | 19.170 |
| 20/10/2011 00:00:00 | ♍  | 28°15'23" ♀ | -12°35'59" | -00°33'18" | -00°00'40" | 29.465 |
| 20/10/2011 00:00:00 | ♎  | 05°10'25" ♀ | -19°13'30" | 04°06'50"  | 00°01'01"  | 32.458 |
| 20/10/2011 00:00:00 | ♏  | 15°27'01" ♀ | -22°38'35" | 00°00'00"  | 00°00'12"  | 0.002  |
| 20/10/2011 00:00:00 | ♋  | 00°52'53" ♀ | -05°35'25" | 05°56'56"  | -00°01'17" | 16.345 |



Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 20/10/2011 00:00:00 | ☾ | 23°33'42" ♀ | 12°58'53"  | 04°07'42"  | 00°06'41"  | 0.003  |
| 20/10/2011 00:00:00 | ♄ | 15°27'01" ♂ | -22°38'35" | 00°00'00"  | 00°00'12"  | 0.002  |
| 20/10/2011 00:00:00 | ♃ | 10°45'15" ♀ | 17°50'16"  | 02°56'13"  | -00°06'03" | 0.003  |
| 20/10/2011 00:00:00 | X | 21°53'27" ♀ | -03°59'16" | -13°28'22" | -00°00'35" | 95.608 |
| 20/10/2011 00:00:00 | Y | 22°52'14" ♀ | 06°49'06"  | -12°02'29" | -00°00'31" | 86.183 |
| 21/10/2011 00:00:00 | ☉ | 27°14'33" ♀ | -10°29'25" | -00°00'00" | 00°59'39"  | 0.996  |
| 21/10/2011 00:00:00 | ☽ | 07°43'01" ♀ | 14°23'40"  | -04°04'38" | 13°26'56"  | 0.003  |
| 21/10/2011 00:00:00 | ♁ | 11°41'58" ♀ | -16°19'50" | -01°02'19" | 01°30'36"  | 1.358  |
| 21/10/2011 00:00:00 | ♂ | 14°37'09" ♀ | -16°01'12" | 00°12'43"  | 01°14'36"  | 1.612  |
| 21/10/2011 00:00:00 | ♂ | 18°43'40" ♀ | 16°34'07"  | 01°25'44"  | 00°33'27"  | 1.670  |
| 21/10/2011 00:00:00 | ♂ | 06°22'30" ♀ | 12°14'23"  | -01°29'11" | -00°07'57" | 3.977  |
| 21/10/2011 00:00:00 | ♃ | 21°03'08" ♀ | -06°07'32" | 02°15'08"  | 00°07'18"  | 10.660 |
| 21/10/2011 00:00:00 | ♂ | 01°37'02" ♀ | -00°03'33" | -00°45'56" | -00°02'05" | 19.177 |
| 21/10/2011 00:00:00 | ♁ | 28°14'44" ♀ | -12°36'12" | -00°33'18" | -00°00'38" | 29.480 |
| 21/10/2011 00:00:00 | ♂ | 05°11'26" ♀ | -19°13'40" | 04°06'37"  | 00°01'02"  | 32.474 |
| 21/10/2011 00:00:00 | ♄ | 15°26'28" ♀ | -22°38'31" | 00°00'00"  | -00°01'23" | 0.002  |
| 21/10/2011 00:00:00 | ♂ | 00°51'37" ♀ | -05°36'11" | 05°56'34"  | -00°01'13" | 16.360 |
| 21/10/2011 00:00:00 | ☾ | 23°40'24" ♀ | 13°00'53"  | 04°07'10"  | 00°06'41"  | 0.003  |
| 21/10/2011 00:00:00 | ♄ | 15°26'28" ♀ | -22°38'31" | 00°00'00"  | -00°01'23" | 0.002  |

Ephemerides year 2011

|                     |    |              |            |            |            |        |
|---------------------|----|--------------|------------|------------|------------|--------|
| 21/10/2011 00:00:00 | T♄ | 10°05'50" ♂r | 17°40'27"  | 02°59'04"  | -01°11'53" | 0.003  |
| 21/10/2011 00:00:00 | X  | 21°52'51" ♀r | -03°59'27" | -13°28'19" | -00°00'35" | 95.610 |
| 21/10/2011 00:00:00 | Y  | 22°51'42" ♂r | 06°48'55"  | -12°02'33" | -00°00'32" | 86.175 |
| 22/10/2011 00:00:00 | ☉  | 28°14'13" ♁  | -10°50'48" | -00°00'00" | 00°59'41"  | 0.995  |
| 22/10/2011 00:00:00 | ☾  | 21°23'57" ♀  | 09°54'27"  | -04°42'17" | 13°55'09"  | 0.002  |
| 22/10/2011 00:00:00 | ♀  | 13°12'16" ♀  | -16°53'46" | -01°08'55" | 01°29'59"  | 1.350  |
| 22/10/2011 00:00:00 | ♀  | 15°51'46" ♀  | -16°25'22" | 00°10'12"  | 01°14'36"  | 1.609  |
| 22/10/2011 00:00:00 | ♂  | 19°17'03" ♀  | 16°24'35"  | 01°26'42"  | 00°33'19"  | 1.662  |
| 22/10/2011 00:00:00 | ♃  | 06°14'31" ♂r | 12°11'47"  | -01°29'10" | -00°08'00" | 3.975  |
| 22/10/2011 00:00:00 | ♅  | 21°10'26" ♁  | -06°10'13" | 02°15'10"  | 00°07'17"  | 10.658 |
| 22/10/2011 00:00:00 | ♆  | 01°34'57" ♀r | -00°04'22" | -00°45'55" | -00°02'04" | 19.185 |
| 22/10/2011 00:00:00 | ♁  | 28°14'06" ♁r | -12°36'25" | -00°33'17" | -00°00'37" | 29.495 |
| 22/10/2011 00:00:00 | ♂  | 05°12'30" ♂  | -19°13'51" | 04°06'24"  | 00°01'04"  | 32.490 |
| 22/10/2011 00:00:00 | ♁  | 15°24'06" ♂r | -22°38'16" | 00°00'00"  | -00°03'20" | 0.002  |
| 22/10/2011 00:00:00 | ♂  | 00°50'25" ♀r | -05°36'57" | 05°56'12"  | -00°01'10" | 16.376 |
| 22/10/2011 00:00:00 | ♁  | 23°47'06" ♀r | 13°02'53"  | 04°06'38"  | 00°06'41"  | 0.003  |
| 22/10/2011 00:00:00 | T♁ | 15°24'06" ♂r | -22°38'16" | 00°00'00"  | -00°03'20" | 0.002  |
| 22/10/2011 00:00:00 | T♄ | 08°25'51" ♂r | 17°14'51"  | 03°06'04"  | -02°04'35" | 0.003  |
| 22/10/2011 00:00:00 | X  | 21°52'16" ♀r | -03°59'37" | -13°28'16" | -00°00'35" | 95.612 |

Ephemerides year 2011

|                     |    |           |   |            |            |            |        |
|---------------------|----|-----------|---|------------|------------|------------|--------|
| 22/10/2011 00:00:00 | Y  | 22°51'10" | ♄ | 06°48'44"  | -12°02'37" | -00°00'32" | 86.168 |
| 23/10/2011 00:00:00 | ☉  | 29°13'56" | ♌ | -11°12'01" | -00°00'00" | 00°59'43"  | 0.995  |
| 23/10/2011 00:00:00 | ♃  | 05°33'21" | ♌ | 04°45'05"  | -05°04'17" | 14°23'25"  | 0.002  |
| 23/10/2011 00:00:00 | ♀  | 14°41'56" | ♌ | -17°26'51" | -01°15'26" | 01°29'22"  | 1.342  |
| 23/10/2011 00:00:00 | ♀  | 17°06'23" | ♌ | -16°49'06" | 00°07'41"  | 01°14'36"  | 1.605  |
| 23/10/2011 00:00:00 | ♂  | 19°50'19" | ♌ | 16°15'01"  | 01°27'40"  | 00°33'11"  | 1.654  |
| 23/10/2011 00:00:00 | ♃  | 06°06'29" | ♄ | 12°09'11"  | -01°29'09" | -00°08'02" | 3.973  |
| 23/10/2011 00:00:00 | ♃  | 21°17'43" | ♌ | -06°12'54" | 02°15'12"  | 00°07'17"  | 10.656 |
| 23/10/2011 00:00:00 | ♃  | 01°32'53" | ♄ | -00°05'09" | -00°45'53" | -00°02'02" | 19.193 |
| 23/10/2011 00:00:00 | ♃  | 28°13'30" | ♌ | -12°36'37" | -00°33'17" | -00°00'35" | 29.510 |
| 23/10/2011 00:00:00 | ♃  | 05°13'35" | ♌ | -19°14'02" | 04°06'11"  | 00°01'06"  | 32.507 |
| 23/10/2011 00:00:00 | ♌  | 15°19'48" | ♄ | -22°37'48" | 00°00'00"  | -00°05'11" | 0.002  |
| 23/10/2011 00:00:00 | ♃  | 00°49'16" | ♄ | -05°37'41" | 05°55'50"  | -00°01'07" | 16.391 |
| 23/10/2011 00:00:00 | ♃  | 23°53'47" | ♄ | 13°04'53"  | 04°06'06"  | 00°06'41"  | 0.003  |
| 23/10/2011 00:00:00 | T♌ | 15°19'48" | ♄ | -22°37'48" | 00°00'00"  | -00°05'11" | 0.002  |
| 23/10/2011 00:00:00 | T♃ | 06°05'34" | ♄ | 16°37'30"  | 03°15'36"  | -02°30'54" | 0.003  |
| 23/10/2011 00:00:00 | X  | 21°51'40" | ♄ | -03°59'47" | -13°28'13" | -00°00'35" | 95.614 |
| 23/10/2011 00:00:00 | Y  | 22°50'37" | ♄ | 06°48'33"  | -12°02'40" | -00°00'33" | 86.160 |
| 24/10/2011 00:00:00 | ☉  | 00°13'40" | ♌ | -11°33'04" | -00°00'00" | 00°59'45"  | 0.995  |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 24/10/2011 00:00:00 | ♃ | 20°09'46" ♃ | -00°49'10" | -05°07'35" | 14°48'38"  | 0.002  |
| 24/10/2011 00:00:00 | ♆ | 16°11'00" ♃ | -17°59'03" | -01°21'50" | 01°28'44"  | 1.333  |
| 24/10/2011 00:00:00 | ♀ | 18°20'59" ♃ | -17°12'25" | 00°05'09"  | 01°14'36"  | 1.602  |
| 24/10/2011 00:00:00 | ♂ | 20°23'26" ♃ | 16°05'26"  | 01°28'39"  | 00°33'03"  | 1.646  |
| 24/10/2011 00:00:00 | ♃ | 05°58'25" ♃ | 12°06'33"  | -01°29'07" | -00°08'05" | 3.972  |
| 24/10/2011 00:00:00 | ♄ | 21°25'00" ♃ | -06°15'35" | 02°15'14"  | 00°07'16"  | 10.653 |
| 24/10/2011 00:00:00 | ♅ | 01°30'51" ♃ | -00°05'57" | -00°45'52" | -00°02'01" | 19.201 |
| 24/10/2011 00:00:00 | ♆ | 28°12'55" ♃ | -12°36'49" | -00°33'17" | -00°00'33" | 29.525 |
| 24/10/2011 00:00:00 | ♁ | 05°14'42" ♃ | -19°14'12" | 04°05'58"  | 00°01'07"  | 32.523 |
| 24/10/2011 00:00:00 | ♂ | 15°13'54" ♃ | -22°37'09" | 00°00'00"  | -00°06'28" | 0.002  |
| 24/10/2011 00:00:00 | ♃ | 00°48'10" ♃ | -05°38'25" | 05°55'28"  | -00°01'04" | 16.407 |
| 24/10/2011 00:00:00 | ♁ | 24°00'29" ♃ | 13°06'53"  | 04°05'34"  | 00°06'41"  | 0.003  |
| 24/10/2011 00:00:00 | ♂ | 15°13'54" ♃ | -22°37'09" | 00°00'00"  | -00°06'28" | 0.002  |
| 24/10/2011 00:00:00 | ♁ | 03°33'45" ♃ | 15°55'19"  | 03°25'33"  | -02°28'36" | 0.003  |
| 24/10/2011 00:00:00 | X | 21°51'04" ♃ | -03°59'57" | -13°28'10" | -00°00'35" | 95.616 |
| 24/10/2011 00:00:00 | Y | 22°50'04" ♃ | 06°48'21"  | -12°02'44" | -00°00'33" | 86.153 |
| 25/10/2011 00:00:00 | ♃ | 01°13'27" ♃ | -11°53'56" | -00°00'00" | 00°59'47"  | 0.995  |
| 25/10/2011 00:00:00 | ♃ | 05°08'27" ♃ | -06°28'56" | -04°50'17" | 15°07'22"  | 0.002  |
| 25/10/2011 00:00:00 | ♆ | 17°39'26" ♃ | -18°30'21" | -01°28'06" | 01°28'07"  | 1.324  |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 25/10/2011 00:00:00 | ♀ | 19°35'36" ♍ | -17°35'17" | 00°02'36"  | 01°14'36"  | 1.599  |
| 25/10/2011 00:00:00 | ♂ | 20°56'26" ♋ | 15°55'49"  | 01°29'39"  | 00°32'55"  | 1.639  |
| 25/10/2011 00:00:00 | ♃ | 05°50'19" ♉ | 12°03'55"  | -01°29'05" | -00°08'06" | 3.971  |
| 25/10/2011 00:00:00 | ♅ | 21°32'16" ♌ | -06°18'15" | 02°15'17"  | 00°07'15"  | 10.651 |
| 25/10/2011 00:00:00 | ♁ | 01°28'51" ♈ | -00°06'43" | -00°45'51" | -00°01'59" | 19.210 |
| 25/10/2011 00:00:00 | ♆ | 28°12'23" ♋ | -12°37'00" | -00°33'16" | -00°00'31" | 29.540 |
| 25/10/2011 00:00:00 | ♄ | 05°15'50" ♈ | -19°14'22" | 04°05'45"  | 00°01'09"  | 32.538 |
| 25/10/2011 00:00:00 | ♁ | 15°07'08" ♈ | -22°36'24" | 00°00'00"  | -00°06'54" | 0.002  |
| 25/10/2011 00:00:00 | ♃ | 00°47'08" ♈ | -05°39'07" | 05°55'06"  | -00°01'00" | 16.423 |
| 25/10/2011 00:00:00 | ♁ | 24°07'10" ♈ | 13°08'52"  | 04°05'02"  | 00°06'41"  | 0.003  |
| 25/10/2011 00:00:00 | ♁ | 15°07'08" ♈ | -22°36'24" | 00°00'00"  | -00°06'54" | 0.002  |
| 25/10/2011 00:00:00 | ♁ | 01°13'57" ♈ | 15°14'58"  | 03°34'25"  | -02°09'45" | 0.003  |
| 25/10/2011 00:00:00 | X | 21°50'28" ♈ | -04°00'07" | -13°28'07" | -00°00'35" | 95.619 |
| 25/10/2011 00:00:00 | Y | 22°49'30" ♈ | 06°48'10"  | -12°02'47" | -00°00'33" | 86.146 |
| 26/10/2011 00:00:00 | ♁ | 02°13'16" ♍ | -12°14'38" | -00°00'00" | 00°59'50"  | 0.994  |
| 26/10/2011 00:00:00 | ♃ | 20°21'23" ♌ | -11°50'47" | -04°12'24" | 15°16'44"  | 0.002  |
| 26/10/2011 00:00:00 | ♁ | 19°07'14" ♍ | -19°00'43" | -01°34'15" | 01°27'28"  | 1.314  |
| 26/10/2011 00:00:00 | ♀ | 20°50'13" ♍ | -17°57'42" | 00°00'02"  | 01°14'36"  | 1.595  |
| 26/10/2011 00:00:00 | ♂ | 21°29'18" ♋ | 15°46'10"  | 01°30'38"  | 00°32'47"  | 1.631  |

Ephemerides year 2011

|                     |    |              |            |            |            |        |
|---------------------|----|--------------|------------|------------|------------|--------|
| 26/10/2011 00:00:00 | ♃  | 05°42'11" ♂r | 12°01'17"  | -01°29'02" | -00°08'08" | 3.970  |
| 26/10/2011 00:00:00 | ♅  | 21°39'32" ♁  | -06°20'54" | 02°15'20"  | 00°07'15"  | 10.648 |
| 26/10/2011 00:00:00 | ♆  | 01°26'52" ♀r | -00°07'29" | -00°45'49" | -00°01'57" | 19.218 |
| 26/10/2011 00:00:00 | ♇  | 28°11'53" ♁r | -12°37'10" | -00°33'16" | -00°00'29" | 29.556 |
| 26/10/2011 00:00:00 | ♁  | 05°17'01" ♂  | -19°14'32" | 04°05'32"  | 00°01'11"  | 32.554 |
| 26/10/2011 00:00:00 | ♁  | 15°00'26" ♂r | -22°35'39" | 00°00'00"  | -00°06'20" | 0.002  |
| 26/10/2011 00:00:00 | ♆  | 00°46'09" ♀r | -05°39'49" | 05°54'43"  | -00°00'57" | 16.439 |
| 26/10/2011 00:00:00 | ♁  | 24°13'52" ♀  | 13°10'51"  | 04°04'30"  | 00°06'41"  | 0.003  |
| 26/10/2011 00:00:00 | T♁ | 15°00'26" ♂r | -22°35'39" | 00°00'00"  | -00°06'20" | 0.002  |
| 26/10/2011 00:00:00 | T♆ | 29°13'36" ♀r | 14°39'13"  | 03°41'52"  | -01°52'37" | 0.003  |
| 26/10/2011 00:00:00 | X  | 21°49'53" ♀r | -04°00'16" | -13°28'03" | -00°00'35" | 95.622 |
| 26/10/2011 00:00:00 | Y  | 22°48'56" ♂r | 06°47'59"  | -12°02'50" | -00°00'33" | 86.139 |
| 27/10/2011 00:00:00 | ♁  | 03°13'07" ♀  | -12°35'08" | -00°00'00" | 00°59'52"  | 0.994  |
| 27/10/2011 00:00:00 | ♁  | 05°38'16" ♀  | -16°29'02" | -03°16'20" | 15°15'12"  | 0.002  |
| 27/10/2011 00:00:00 | ♆  | 20°34'23" ♀  | -19°30'09" | -01°40'14" | 01°26'49"  | 1.304  |
| 27/10/2011 00:00:00 | ♀  | 22°04'50" ♀  | -18°19'38" | -00°02'32" | 01°14'36"  | 1.592  |
| 27/10/2011 00:00:00 | ♂  | 22°02'01" ♂  | 15°36'30"  | 01°31'39"  | 00°32'38"  | 1.623  |
| 27/10/2011 00:00:00 | ♃  | 05°34'03" ♂r | 11°58'39"  | -01°28'59" | -00°08'08" | 3.970  |
| 27/10/2011 00:00:00 | ♅  | 21°46'46" ♁  | -06°23'33" | 02°15'23"  | 00°07'14"  | 10.645 |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 27/10/2011 00:00:00 | ♃ | 01°24'55" ♏ | -00°08'15" | -00°45'48" | -00°01'56" | 19.228 |
| 27/10/2011 00:00:00 | ♃ | 28°11'24" ♏ | -12°37'19" | -00°33'16" | -00°00'27" | 29.571 |
| 27/10/2011 00:00:00 | ♃ | 05°18'13" ♏ | -19°14'42" | 04°05'20"  | 00°01'12"  | 32.570 |
| 27/10/2011 00:00:00 | ♃ | 14°54'44" ♏ | -22°35'01" | 00°00'00"  | -00°04'55" | 0.002  |
| 27/10/2011 00:00:00 | ♃ | 00°45'14" ♏ | -05°40'29" | 05°54'21"  | -00°00'53" | 16.456 |
| 27/10/2011 00:00:00 | ♃ | 24°20'33" ♏ | 13°12'50"  | 04°03'57"  | 00°06'41"  | 0.003  |
| 27/10/2011 00:00:00 | ♃ | 14°54'44" ♏ | -22°35'01" | 00°00'00"  | -00°04'55" | 0.002  |
| 27/10/2011 00:00:00 | ♃ | 27°23'32" ♏ | 14°05'50"  | 03°48'39"  | -01°50'39" | 0.003  |
| 27/10/2011 00:00:00 | X | 21°49'17" ♏ | -04°00'26" | -13°28'00" | -00°00'35" | 95.625 |
| 27/10/2011 00:00:00 | Y | 22°48'22" ♏ | 06°47'48"  | -12°02'53" | -00°00'34" | 86.133 |
| 28/10/2011 00:00:00 | ♃ | 04°13'00" ♏ | -12°55'27" | -00°00'00" | 00°59'54"  | 0.994  |
| 28/10/2011 00:00:00 | ♃ | 20°48'17" ♏ | -19°59'21" | -02°06'40" | 15°03'11"  | 0.002  |
| 28/10/2011 00:00:00 | ♃ | 22°00'53" ♏ | -19°58'37" | -01°46'04" | 01°26'09"  | 1.293  |
| 28/10/2011 00:00:00 | ♃ | 23°19'27" ♏ | -18°41'06" | -00°05'07" | 01°14'36"  | 1.588  |
| 28/10/2011 00:00:00 | ♃ | 22°34'36" ♏ | 15°26'49"  | 01°32'39"  | 00°32'30"  | 1.615  |
| 28/10/2011 00:00:00 | ♃ | 05°25'54" ♏ | 11°56'00"  | -01°28'55" | -00°08'09" | 3.970  |
| 28/10/2011 00:00:00 | ♃ | 21°54'00" ♏ | -06°26'11" | 02°15'26"  | 00°07'13"  | 10.641 |
| 28/10/2011 00:00:00 | ♃ | 01°23'00" ♏ | -00°08'59" | -00°45'46" | -00°01'54" | 19.237 |
| 28/10/2011 00:00:00 | ♃ | 28°10'58" ♏ | -12°37'28" | -00°33'15" | -00°00'25" | 29.587 |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 28/10/2011 00:00:00 | ♁ | 05°19'26" ♃ | -19°14'52" | 04°05'07"  | 00°01'14"  | 32.585 |
| 28/10/2011 00:00:00 | ♁ | 14°50'44" ♃ | -22°34'34" | 00°00'00"  | -00°03'01" | 0.002  |
| 28/10/2011 00:00:00 | ♃ | 00°44'22" ♃ | -05°41'09" | 05°53'58"  | -00°00'50" | 16.472 |
| 28/10/2011 00:00:00 | ♁ | 24°27'15" ♃ | 13°14'49"  | 04°03'24"  | 00°06'41"  | 0.003  |
| 28/10/2011 00:00:00 | ♁ | 14°50'44" ♃ | -22°34'34" | 00°00'00"  | -00°03'01" | 0.002  |
| 28/10/2011 00:00:00 | ♁ | 25°26'15" ♃ | 13°29'37"  | 03°55'51"  | -02°06'25" | 0.003  |
| 28/10/2011 00:00:00 | X | 21°48'42" ♃ | -04°00'35" | -13°27'56" | -00°00'35" | 95.629 |
| 28/10/2011 00:00:00 | Y | 22°47'48" ♃ | 06°47'37"  | -12°02'56" | -00°00'34" | 86.127 |
| 29/10/2011 00:00:00 | ♁ | 05°12'55" ♃ | -13°15'33" | 00°00'00"  | 00°59'55"  | 0.994  |
| 29/10/2011 00:00:00 | ♁ | 05°41'52" ♃ | -22°03'49" | -00°49'22" | 14°42'47"  | 0.002  |
| 29/10/2011 00:00:00 | ♁ | 23°26'41" ♃ | -20°26'05" | -01°51'43" | 01°25'26"  | 1.281  |
| 29/10/2011 00:00:00 | ♁ | 24°34'03" ♃ | -19°02'04" | -00°07'42" | 01°14'36"  | 1.585  |
| 29/10/2011 00:00:00 | ♁ | 23°07'02" ♃ | 15°17'07"  | 01°33'40"  | 00°32'21"  | 1.607  |
| 29/10/2011 00:00:00 | ♁ | 05°17'44" ♃ | 11°53'22"  | -01°28'51" | -00°08'09" | 3.970  |
| 29/10/2011 00:00:00 | ♁ | 22°01'13" ♃ | -06°28'49" | 02°15'29"  | 00°07'12"  | 10.638 |
| 29/10/2011 00:00:00 | ♁ | 01°21'06" ♃ | -00°09'43" | -00°45'45" | -00°01'52" | 19.247 |
| 29/10/2011 00:00:00 | ♁ | 28°10'33" ♃ | -12°37'36" | -00°33'15" | -00°00'23" | 29.603 |
| 29/10/2011 00:00:00 | ♁ | 05°20'41" ♃ | -19°15'02" | 04°04'54"  | 00°01'16"  | 32.601 |
| 29/10/2011 00:00:00 | ♁ | 14°48'43" ♃ | -22°34'20" | 00°00'00"  | -00°01'03" | 0.002  |



Ephemerides year 2011

|                     |    |              |            |            |            |        |
|---------------------|----|--------------|------------|------------|------------|--------|
| 29/10/2011 00:00:00 | ♄  | 00°43'34" ♉r | -05°41'47" | 05°53'35"  | -00°00'46" | 16.488 |
| 29/10/2011 00:00:00 | ♁  | 24°33'57" ♉  | 13°16'48"  | 04°02'52"  | 00°06'41"  | 0.003  |
| 29/10/2011 00:00:00 | ♄♁ | 14°48'43" ♉r | -22°34'20" | 00°00'00"  | -00°01'03" | 0.002  |
| 29/10/2011 00:00:00 | ♄♁ | 23°07'40" ♉r | 12°45'51"  | 04°04'09"  | -02°30'55" | 0.003  |
| 29/10/2011 00:00:00 | X  | 21°48'07" ♉r | -04°00'44" | -13°27'52" | -00°00'34" | 95.632 |
| 29/10/2011 00:00:00 | Y  | 22°47'13" ♉r | 06°47'27"  | -12°02'58" | -00°00'34" | 86.121 |
| 30/10/2011 00:00:00 | ♁  | 06°12'52" ♉  | -13°35'27" | 00°00'00"  | 00°59'57"  | 0.993  |
| 30/10/2011 00:00:00 | ♃  | 20°12'08" ♉  | -22°35'15" | 00°29'21"  | 14°17'06"  | 0.002  |
| 30/10/2011 00:00:00 | ♁  | 24°51'46" ♉  | -20°52'33" | -01°57'10" | 01°24'42"  | 1.270  |
| 30/10/2011 00:00:00 | ♁  | 25°48'40" ♉  | -19°22'32" | -00°10'18" | 01°14'36"  | 1.581  |
| 30/10/2011 00:00:00 | ♁  | 23°39'19" ♉  | 15°07'23"  | 01°34'41"  | 00°32'12"  | 1.599  |
| 30/10/2011 00:00:00 | ♁  | 05°09'35" ♉r | 11°50'44"  | -01°28'47" | -00°08'09" | 3.971  |
| 30/10/2011 00:00:00 | ♁  | 22°08'25" ♉  | -06°31'25" | 02°15'32"  | 00°07'11"  | 10.634 |
| 30/10/2011 00:00:00 | ♁  | 01°19'15" ♉r | -00°10'25" | -00°45'43" | -00°01'50" | 19.256 |
| 30/10/2011 00:00:00 | ♁  | 28°10'10" ♉r | -12°37'43" | -00°33'14" | -00°00'21" | 29.619 |
| 30/10/2011 00:00:00 | ♁  | 05°21'58" ♉  | -19°15'11" | 04°04'42"  | 00°01'17"  | 32.616 |
| 30/10/2011 00:00:00 | ♁  | 14°48'30" ♉  | -22°34'19" | 00°00'00"  | 00°00'31"  | 0.002  |
| 30/10/2011 00:00:00 | ♄  | 00°42'49" ♉r | -05°42'24" | 05°53'12"  | -00°00'42" | 16.505 |
| 30/10/2011 00:00:00 | ♁  | 24°40'39" ♉  | 13°18'46"  | 04°02'19"  | 00°06'41"  | 0.003  |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 30/10/2011 00:00:00 | T♄ | 14°48'30" ♄ | -22°34'19" | 00°00'00"  | 00°00'31"  | 0.002  |
| 30/10/2011 00:00:00 | T♄ | 20°27'06" ♄ | 11°53'47"  | 04°13'18"  | -02°47'20" | 0.003  |
| 30/10/2011 00:00:00 | X  | 21°47'32" ♄ | -04°00'53" | -13°27'48" | -00°00'34" | 95.637 |
| 30/10/2011 00:00:00 | Y  | 22°46'39" ♄ | 06°47'16"  | -12°03'01" | -00°00'34" | 86.115 |
| 31/10/2011 00:00:00 | ♁  | 07°12'51" ♃ | -13°55'08" | 00°00'00"  | 00°59'59"  | 0.993  |
| 31/10/2011 00:00:00 | ♂  | 04°15'24" ♃ | -21°38'10" | 01°43'59"  | 13°49'20"  | 0.002  |
| 31/10/2011 00:00:00 | ♀  | 26°16'06" ♃ | -21°17'57" | -02°02'25" | 01°23'56"  | 1.257  |
| 31/10/2011 00:00:00 | ♀  | 27°03'16" ♃ | -19°42'28" | -00°12'54" | 01°14'36"  | 1.578  |
| 31/10/2011 00:00:00 | ♂  | 24°11'28" ♃ | 14°57'40"  | 01°35'42"  | 00°32'03"  | 1.591  |
| 31/10/2011 00:00:00 | ♃  | 05°01'27" ♄ | 11°48'06"  | -01°28'42" | -00°08'08" | 3.971  |
| 31/10/2011 00:00:00 | ♃  | 22°15'36" ♄ | -06°34'02" | 02°15'36"  | 00°07'10"  | 10.630 |
| 31/10/2011 00:00:00 | ♃  | 01°17'26" ♄ | -00°11'07" | -00°45'41" | -00°01'48" | 19.266 |
| 31/10/2011 00:00:00 | ♃  | 28°09'50" ♄ | -12°37'50" | -00°33'14" | -00°00'19" | 29.635 |
| 31/10/2011 00:00:00 | ♃  | 05°23'16" ♄ | -19°15'20" | 04°04'29"  | 00°01'19"  | 32.631 |
| 31/10/2011 00:00:00 | ♁  | 14°49'33" ♄ | -22°34'26" | 00°00'00"  | 00°01'26"  | 0.002  |
| 31/10/2011 00:00:00 | ♃  | 00°42'08" ♃ | -05°43'00" | 05°52'49"  | -00°00'39" | 16.522 |
| 31/10/2011 00:00:00 | ♃  | 24°47'20" ♄ | 13°20'44"  | 04°01'46"  | 00°06'41"  | 0.003  |
| 31/10/2011 00:00:00 | T♄ | 14°49'33" ♄ | -22°34'26" | 00°00'00"  | 00°01'26"  | 0.002  |
| 31/10/2011 00:00:00 | T♄ | 17°41'00" ♄ | 10°58'27"  | 04°22'10"  | -02°40'05" | 0.003  |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 31/10/2011 00:00:00 | X  | 21°46'58" ♄ | -04°01'01" | -13°27'44" | -00°00'34" | 95.641 |
| 31/10/2011 00:00:00 | Y  | 22°46'04" ♄ | 06°47'05"  | -12°03'03" | -00°00'34" | 86.110 |
| 01/11/2011 00:00:00 | ☉  | 08°12'51" ♃ | -14°14'36" | 00°00'00"  | 01°00'00"  | 0.993  |
| 01/11/2011 00:00:00 | ☾  | 17°51'03" ♄ | -19°25'55" | 02°50'19"  | 13°22'13"  | 0.003  |
| 01/11/2011 00:00:00 | ♀  | 27°39'38" ♃ | -21°42'18" | -02°07'27" | 01°23'06"  | 1.244  |
| 01/11/2011 00:00:00 | ♀  | 28°17'52" ♃ | -20°01'52" | -00°15'30" | 01°14'35"  | 1.574  |
| 01/11/2011 00:00:00 | ♂  | 24°43'27" ♃ | 14°47'56"  | 01°36'44"  | 00°31'54"  | 1.582  |
| 01/11/2011 00:00:00 | ♃  | 04°53'19" ♄ | 11°45'29"  | -01°28'36" | -00°08'07" | 3.973  |
| 01/11/2011 00:00:00 | ♃  | 22°22'46" ♃ | -06°36'37" | 02°15'40"  | 00°07'09"  | 10.625 |
| 01/11/2011 00:00:00 | ♃  | 01°15'39" ♄ | -00°11'48" | -00°45'40" | -00°01'46" | 19.277 |
| 01/11/2011 00:00:00 | ♃  | 28°09'31" ♄ | -12°37'56" | -00°33'13" | -00°00'17" | 29.651 |
| 01/11/2011 00:00:00 | ♃  | 05°24'36" ♄ | -19°15'30" | 04°04'17"  | 00°01'20"  | 32.646 |
| 01/11/2011 00:00:00 | ♃  | 14°51'06" ♄ | -22°34'36" | 00°00'00"  | 00°01'30"  | 0.002  |
| 01/11/2011 00:00:00 | ♃  | 00°41'30" ♄ | -05°43'35" | 05°52'26"  | -00°00'35" | 16.539 |
| 01/11/2011 00:00:00 | ♃  | 24°54'02" ♄ | 13°22'42"  | 04°01'13"  | 00°06'41"  | 0.003  |
| 01/11/2011 00:00:00 | T♃ | 14°51'06" ♄ | -22°34'36" | 00°00'00"  | 00°01'30"  | 0.002  |
| 01/11/2011 00:00:00 | T♃ | 15°16'24" ♄ | 10°09'08"  | 04°29'20"  | -02°04'54" | 0.003  |
| 01/11/2011 00:00:00 | X  | 21°46'23" ♄ | -04°01'10" | -13°27'39" | -00°00'34" | 95.646 |
| 01/11/2011 00:00:00 | Y  | 22°45'29" ♄ | 06°46'55"  | -12°03'05" | -00°00'35" | 86.105 |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 02/11/2011 00:00:00 | ☉  | 09°12'52" ♍ | -14°33'50" | 00°00'00"  | 01°00'02"  | 0.992  |
| 02/11/2011 00:00:00 | ☾  | 01°00'43" ♍ | -16°15'42" | 03°45'27"  | 12°57'39"  | 0.003  |
| 02/11/2011 00:00:00 | ♀  | 29°02'18" ♍ | -22°05'32" | -02°12'13" | 01°22'13"  | 1.231  |
| 02/11/2011 00:00:00 | ♀  | 29°32'28" ♍ | -20°20'44" | -00°18'07" | 01°14'35"  | 1.570  |
| 02/11/2011 00:00:00 | ♂  | 25°15'17" ♋ | 14°38'11"  | 01°37'46"  | 00°31'45"  | 1.574  |
| 02/11/2011 00:00:00 | ♃  | 04°45'12" ♉ | 11°42'52"  | -01°28'31" | -00°08'05" | 3.974  |
| 02/11/2011 00:00:00 | ♅  | 22°29'54" ♌ | -06°39'12" | 02°15'44"  | 00°07'07"  | 10.620 |
| 02/11/2011 00:00:00 | ♁  | 01°13'53" ♈ | -00°12'29" | -00°45'38" | -00°01'44" | 19.287 |
| 02/11/2011 00:00:00 | ♃  | 28°09'15" ♌ | -12°38'01" | -00°33'13" | -00°00'15" | 29.668 |
| 02/11/2011 00:00:00 | ♁  | 05°25'58" ♈ | -19°15'39" | 04°04'05"  | 00°01'22"  | 32.661 |
| 02/11/2011 00:00:00 | ♋  | 14°52'19" ♈ | -22°34'45" | 00°00'00"  | 00°00'49"  | 0.002  |
| 02/11/2011 00:00:00 | ♅  | 00°40'56" ♌ | -05°44'08" | 05°52'02"  | -00°00'32" | 16.556 |
| 02/11/2011 00:00:00 | ♁  | 25°00'44" ♈ | 13°24'40"  | 04°00'39"  | 00°06'41"  | 0.003  |
| 02/11/2011 00:00:00 | T♋ | 14°52'19" ♈ | -22°34'45" | 00°00'00"  | 00°00'49"  | 0.002  |
| 02/11/2011 00:00:00 | T♁ | 13°37'35" ♈ | 09°34'51"  | 04°33'56"  | -01°10'43" | 0.003  |
| 02/11/2011 00:00:00 | X  | 21°45'49" ♈ | -04°01'18" | -13°27'35" | -00°00'34" | 95.651 |
| 02/11/2011 00:00:00 | Y  | 22°44'54" ♉ | 06°46'44"  | -12°03'08" | -00°00'35" | 86.100 |
| 03/11/2011 00:00:00 | ☉  | 10°12'56" ♍ | -14°52'50" | 00°00'00"  | 01°00'03"  | 0.992  |
| 03/11/2011 00:00:00 | ☾  | 13°47'37" ♍ | -12°24'29" | 04°27'38"  | 12°36'46"  | 0.003  |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 03/11/2011 00:00:00 | ♀  | 00°24'04" ♀ | -22°27'39" | -02°16'44" | 01°21'16"  | 1.217  |
| 03/11/2011 00:00:00 | ♀  | 00°47'03" ♀ | -20°39'02" | -00°20'43" | 01°14'35"  | 1.567  |
| 03/11/2011 00:00:00 | ♂  | 25°46'58" ♂ | 14°28'26"  | 01°38'49"  | 00°31'36"  | 1.566  |
| 03/11/2011 00:00:00 | ♃  | 04°37'07" ♃ | 11°40'16"  | -01°28'24" | -00°08'03" | 3.976  |
| 03/11/2011 00:00:00 | ♅  | 22°37'01" ♅ | -06°41'45" | 02°15'48"  | 00°07'06"  | 10.616 |
| 03/11/2011 00:00:00 | ♁  | 01°12'10" ♁ | -00°13'08" | -00°45'36" | -00°01'42" | 19.298 |
| 03/11/2011 00:00:00 | ♃  | 28°09'00" ♃ | -12°38'06" | -00°33'12" | -00°00'13" | 29.684 |
| 03/11/2011 00:00:00 | ♁  | 05°27'21" ♁ | -19°15'48" | 04°03'52"  | 00°01'23"  | 32.675 |
| 03/11/2011 00:00:00 | ♁  | 14°52'33" ♁ | -22°34'46" | 00°00'00"  | -00°00'26" | 0.002  |
| 03/11/2011 00:00:00 | ♃  | 00°40'25" ♃ | -05°44'41" | 05°51'39"  | -00°00'28" | 16.573 |
| 03/11/2011 00:00:00 | ♃  | 25°07'25" ♃ | 13°26'37"  | 04°00'06"  | 00°06'41"  | 0.003  |
| 03/11/2011 00:00:00 | T♁ | 14°52'33" ♁ | -22°34'46" | 00°00'00"  | -00°00'26" | 0.002  |
| 03/11/2011 00:00:00 | T♃ | 12°56'26" ♃ | 09°20'24"  | 04°35'44"  | -00°11'56" | 0.003  |
| 03/11/2011 00:00:00 | X  | 21°45'15" ♃ | -04°01'26" | -13°27'30" | -00°00'34" | 95.656 |
| 03/11/2011 00:00:00 | Y  | 22°44'18" ♃ | 06°46'34"  | -12°03'09" | -00°00'35" | 86.096 |
| 04/11/2011 00:00:00 | ♃  | 11°13'00" ♃ | -15°11'35" | 00°00'00"  | 01°00'05"  | 0.992  |
| 04/11/2011 00:00:00 | ♃  | 26°15'40" ♃ | -08°06'58" | 04°56'01"  | 12°20'03"  | 0.003  |
| 04/11/2011 00:00:00 | ♀  | 01°44'51" ♀ | -22°48'36" | -02°20'58" | 01°20'15"  | 1.202  |
| 04/11/2011 00:00:00 | ♀  | 02°01'38" ♀ | -20°56'46" | -00°23'19" | 01°14'34"  | 1.563  |

Ephemerides year 2011

|                     |    |              |            |            |            |        |
|---------------------|----|--------------|------------|------------|------------|--------|
| 04/11/2011 00:00:00 | ♂  | 26°18'30" ♏  | 14°18'41"  | 01°39'52"  | 00°31'26"  | 1.558  |
| 04/11/2011 00:00:00 | ♃  | 04°29'04" ♏r | 11°37'41"  | -01°28'18" | -00°08'01" | 3.978  |
| 04/11/2011 00:00:00 | ♅  | 22°44'06" ♋  | -06°44'19" | 02°15'53"  | 00°07'04"  | 10.610 |
| 04/11/2011 00:00:00 | ♁  | 01°10'29" ♏r | -00°13'47" | -00°45'34" | -00°01'40" | 19.309 |
| 04/11/2011 00:00:00 | ♆  | 28°08'47" ♁r | -12°38'10" | -00°33'12" | -00°00'11" | 29.701 |
| 04/11/2011 00:00:00 | ♁  | 05°28'45" ♁  | -19°15'56" | 04°03'40"  | 00°01'25"  | 32.690 |
| 04/11/2011 00:00:00 | ♏  | 14°51'21" ♁r | -22°34'38" | 00°00'00"  | -00°01'58" | 0.002  |
| 04/11/2011 00:00:00 | ♆  | 00°39'58" ♁r | -05°45'12" | 05°51'16"  | -00°00'25" | 16.590 |
| 04/11/2011 00:00:00 | ♁  | 25°14'07" ♏  | 13°28'34"  | 03°59'33"  | 00°06'41"  | 0.003  |
| 04/11/2011 00:00:00 | T♏ | 14°51'21" ♁r | -22°34'38" | 00°00'00"  | -00°01'58" | 0.002  |
| 04/11/2011 00:00:00 | T♁ | 13°11'19" ♏  | 09°25'34"  | 04°35'00"  | 00°39'54"  | 0.003  |
| 04/11/2011 00:00:00 | X  | 21°44'41" ♏r | -04°01'34" | -13°27'25" | -00°00'33" | 95.662 |
| 04/11/2011 00:00:00 | Y  | 22°43'42" ♏r | 06°46'24"  | -12°03'11" | -00°00'35" | 86.092 |
| 05/11/2011 00:00:00 | ♁  | 12°13'07" ♎  | -15°30'05" | 00°00'00"  | 01°00'07"  | 0.992  |
| 05/11/2011 00:00:00 | ♃  | 08°29'06" ♁  | -03°35'15" | 05°10'18"  | 12°07'28"  | 0.003  |
| 05/11/2011 00:00:00 | ♆  | 03°04'33" ♁  | -23°08'22" | -02°24'53" | 01°19'08"  | 1.187  |
| 05/11/2011 00:00:00 | ♀  | 03°16'12" ♁  | -21°13'55" | -00°25'55" | 01°14'34"  | 1.559  |
| 05/11/2011 00:00:00 | ♂  | 26°49'52" ♏  | 14°08'57"  | 01°40'55"  | 00°31'17"  | 1.550  |
| 05/11/2011 00:00:00 | ♃  | 04°21'04" ♏r | 11°35'06"  | -01°28'11" | -00°07'59" | 3.980  |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 05/11/2011 00:00:00 | ♃ | 22°51'11" ♁ | -06°46'51" | 02°15'57"  | 00°07'03"  | 10.605 |
| 05/11/2011 00:00:00 | ♃ | 01°08'50" ♁ | -00°14'25" | -00°45'33" | -00°01'37" | 19.321 |
| 05/11/2011 00:00:00 | ♃ | 28°08'36" ♁ | -12°38'13" | -00°33'11" | -00°00'09" | 29.717 |
| 05/11/2011 00:00:00 | ♃ | 05°30'11" ♁ | -19°16'05" | 04°03'28"  | 00°01'26"  | 32.704 |
| 05/11/2011 00:00:00 | ♃ | 14°48'36" ♁ | -22°34'19" | 00°00'00"  | -00°03'30" | 0.002  |
| 05/11/2011 00:00:00 | ♃ | 00°39'35" ♁ | -05°45'43" | 05°50'52"  | -00°00'21" | 16.607 |
| 05/11/2011 00:00:00 | ♃ | 25°20'48" ♁ | 13°30'31"  | 03°58'59"  | 00°06'41"  | 0.003  |
| 05/11/2011 00:00:00 | ♃ | 14°48'36" ♁ | -22°34'19" | 00°00'00"  | -00°03'30" | 0.002  |
| 05/11/2011 00:00:00 | ♃ | 14°11'56" ♁ | 09°46'39"  | 04°32'11"  | 01°18'59"  | 0.003  |
| 05/11/2011 00:00:00 | X | 21°44'07" ♁ | -04°01'41" | -13°27'21" | -00°00'33" | 95.667 |
| 05/11/2011 00:00:00 | Y | 22°43'06" ♁ | 06°46'14"  | -12°03'13" | -00°00'36" | 86.088 |
| 06/11/2011 00:00:00 | ♃ | 13°13'14" ♁ | -15°48'20" | 00°00'00"  | 01°00'08"  | 0.991  |
| 06/11/2011 00:00:00 | ♃ | 20°31'54" ♁ | 01°00'34"  | 05°10'36"  | 11°58'44"  | 0.003  |
| 06/11/2011 00:00:00 | ♃ | 04°23'05" ♁ | -23°26'55" | -02°28'28" | 01°17'54"  | 1.171  |
| 06/11/2011 00:00:00 | ♃ | 04°30'46" ♁ | -21°30'29" | -00°28'30" | 01°14'33"  | 1.555  |
| 06/11/2011 00:00:00 | ♃ | 27°21'04" ♁ | 13°59'12"  | 01°41'59"  | 00°31'07"  | 1.541  |
| 06/11/2011 00:00:00 | ♃ | 04°13'06" ♁ | 11°32'33"  | -01°28'03" | -00°07'56" | 3.983  |
| 06/11/2011 00:00:00 | ♃ | 22°58'13" ♁ | -06°49'22" | 02°16'02"  | 00°07'01"  | 10.599 |
| 06/11/2011 00:00:00 | ♃ | 01°07'13" ♁ | -00°15'01" | -00°45'31" | -00°01'35" | 19.332 |

Ephemerides year 2011

|                     |   |              |            |            |            |        |
|---------------------|---|--------------|------------|------------|------------|--------|
| 06/11/2011 00:00:00 | ♃ | 28°08'28" ♁r | -12°38'16" | -00°33'11" | -00°00'07" | 29.734 |
| 06/11/2011 00:00:00 | ♄ | 05°31'38" ♁  | -19°16'13" | 04°03'16"  | 00°01'27"  | 32.718 |
| 06/11/2011 00:00:00 | ♅ | 14°44'27" ♁r | -22°33'51" | 00°00'00"  | -00°04'42" | 0.002  |
| 06/11/2011 00:00:00 | ♆ | 00°39'15" ♁r | -05°46'12" | 05°50'28"  | -00°00'18" | 16.625 |
| 06/11/2011 00:00:00 | ♇ | 25°27'29" ♁  | 13°32'28"  | 03°58'25"  | 00°06'41"  | 0.003  |
| 06/11/2011 00:00:00 | ♁ | 14°44'27" ♁r | -22°33'51" | 00°00'00"  | -00°04'42" | 0.002  |
| 06/11/2011 00:00:00 | ♁ | 15°44'44" ♁  | 10°18'42"  | 04°27'46"  | 01°44'28"  | 0.003  |
| 06/11/2011 00:00:00 | ♁ | 21°43'33" ♁r | -04°01'49" | -13°27'15" | -00°00'33" | 95.673 |
| 06/11/2011 00:00:00 | ♁ | 22°42'30" ♁r | 06°46'04"  | -12°03'14" | -00°00'36" | 86.085 |
| 07/11/2011 00:00:00 | ♁ | 14°13'24" ♁  | -16°06'19" | 00°00'00"  | 01°00'10"  | 0.991  |
| 07/11/2011 00:00:00 | ♁ | 02°27'41" ♁  | 05°31'33"  | 04°57'24"  | 11°53'22"  | 0.003  |
| 07/11/2011 00:00:00 | ♁ | 05°40'20" ♁  | -23°44'14" | -02°31'41" | 01°16'33"  | 1.155  |
| 07/11/2011 00:00:00 | ♁ | 05°45'20" ♁  | -21°46'26" | -00°31'05" | 01°14'33"  | 1.552  |
| 07/11/2011 00:00:00 | ♁ | 27°52'07" ♁  | 13°49'28"  | 01°43'03"  | 00°30'57"  | 1.533  |
| 07/11/2011 00:00:00 | ♁ | 04°05'11" ♁r | 11°30'01"  | -01°27'55" | -00°07'52" | 3.986  |
| 07/11/2011 00:00:00 | ♁ | 23°05'14" ♁  | -06°51'52" | 02°16'07"  | 00°07'00"  | 10.594 |
| 07/11/2011 00:00:00 | ♁ | 01°05'39" ♁r | -00°15'37" | -00°45'29" | -00°01'33" | 19.344 |
| 07/11/2011 00:00:00 | ♃ | 28°08'21" ♁r | -12°38'18" | -00°33'11" | -00°00'05" | 29.751 |
| 07/11/2011 00:00:00 | ♄ | 05°33'06" ♁  | -19°16'22" | 04°03'04"  | 00°01'29"  | 32.732 |



Ephemerides year 2011

|                     |   |              |            |             |            |        |
|---------------------|---|--------------|------------|-------------|------------|--------|
| 07/11/2011 00:00:00 | ♏ | 14°39'20" ♀r | -22°33'16" | 00°00'00"   | -00°05'24" | 0.002  |
| 07/11/2011 00:00:00 | ♋ | 00°38'58" ♀r | -05°46'40" | 05°50'05"   | -00°00'14" | 16.642 |
| 07/11/2011 00:00:00 | ♌ | 25°34'11" ♀r | 13°34'24"  | 03°57'51"   | 00°06'41"  | 0.003  |
| 07/11/2011 00:00:00 | ♏ | 14°39'20" ♀r | -22°33'16" | 00°00'00"   | -00°05'24" | 0.002  |
| 07/11/2011 00:00:00 | ♌ | 17°37'14" ♀r | 10°57'03"  | 04°22'13"   | 01°59'07"  | 0.003  |
| 07/11/2011 00:00:00 | X | 21°43'00" ♀r | -04°01'56" | -13°27'10"  | -00°00'33" | 95.680 |
| 07/11/2011 00:00:00 | Y | 22°41'54" ♂r | 06°45'54"  | -12°03'16"  | -00°00'36" | 86.081 |
| 08/11/2011 00:00:00 | ♏ | 15°13'35" ♀r | -16°24'02" | 00°00'00"   | 01°00'11"  | 0.991  |
| 08/11/2011 00:00:00 | ♎ | 14°19'37" ♀r | 09°48'59"  | 04°31'28"   | 11°50'53"  | 0.003  |
| 08/11/2011 00:00:00 | ♌ | 06°56'10" ♀r | -24°00'15" | 0-02°34'30" | 01°15'04"  | 1.138  |
| 08/11/2011 00:00:00 | ♌ | 06°59'53" ♀r | -22°01'46" | -00°33'39"  | 01°14'32"  | 1.548  |
| 08/11/2011 00:00:00 | ♌ | 28°23'00" ♀r | 13°39'45"  | 01°44'08"   | 00°30'47"  | 1.524  |
| 08/11/2011 00:00:00 | ♌ | 03°57'20" ♂r | 11°27'30"  | -01°27'47"  | -00°07'49" | 3.989  |
| 08/11/2011 00:00:00 | ♌ | 23°12'13" ♀r | -06°54'22" | 02°16'12"   | 00°06'58"  | 10.587 |
| 08/11/2011 00:00:00 | ♌ | 01°04'06" ♀r | -00°16'12" | -00°45'27"  | -00°01'31" | 19.356 |
| 08/11/2011 00:00:00 | ♌ | 28°08'16" ♀r | -12°38'19" | -00°33'10"  | -00°00'03" | 29.767 |
| 08/11/2011 00:00:00 | ♌ | 05°34'36" ♀r | -19°16'30" | 04°02'53"   | 00°01'30"  | 32.746 |
| 08/11/2011 00:00:00 | ♏ | 14°33'50" ♀r | -22°32'38" | 00°00'00"   | -00°05'30" | 0.002  |
| 08/11/2011 00:00:00 | ♋ | 00°38'46" ♀r | -05°47'06" | 05°49'41"   | -00°00'10" | 16.660 |




Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 08/11/2011 00:00:00 | ☾ | 25°40'52" ♀ | 13°36'20"  | 03°57'18"  | 00°06'41"  | 0.003  |
| 08/11/2011 00:00:00 | ♄ | 14°33'50" ♂ | -22°32'38" | 00°00'00"  | -00°05'30" | 0.002  |
| 08/11/2011 00:00:00 | ♁ | 19°41'16" ♀ | 11°38'41"  | 04°15'50"  | 02°08'40"  | 0.003  |
| 08/11/2011 00:00:00 | X | 21°42'27" ♀ | -04°02'03" | -13°27'05" | -00°00'32" | 95.686 |
| 08/11/2011 00:00:00 | Y | 22°41'18" ♂ | 06°45'44"  | -12°03'17" | -00°00'36" | 86.078 |
| 09/11/2011 00:00:00 | ☉ | 16°13'48" ♀ | -16°41'28" | 00°00'00"  | 01°00'13"  | 0.991  |
| 09/11/2011 00:00:00 | ☽ | 26°10'16" ♀ | 13°43'58"  | 03°53'53"  | 11°50'47"  | 0.003  |
| 09/11/2011 00:00:00 | ♁ | 08°10'26" ♂ | -24°14'58" | 02°36'54"  | 01°13'25"  | 1.121  |
| 09/11/2011 00:00:00 | ♀ | 08°14'26" ♂ | -22°16'29" | -00°36'13" | 01°14'32"  | 1.544  |
| 09/11/2011 00:00:00 | ♂ | 28°53'43" ♀ | 13°30'02"  | 01°45'12"  | 00°30'37"  | 1.516  |
| 09/11/2011 00:00:00 | ♃ | 03°49'33" ♂ | 11°25'01"  | -01°27'39" | -00°07'45" | 3.993  |
| 09/11/2011 00:00:00 | ♅ | 23°19'11" ♀ | -06°56'51" | 02°16'18"  | 00°06'56"  | 10.581 |
| 09/11/2011 00:00:00 | ♁ | 01°02'37" ♀ | -00°16'46" | -00°45'25" | -00°01'28" | 19.368 |
| 09/11/2011 00:00:00 | ♁ | 28°08'14" ♂ | -12°38'19" | -00°33'10" | -00°00'01" | 29.784 |
| 09/11/2011 00:00:00 | ♁ | 05°36'08" ♂ | -19°16'38" | 04°02'41"  | 00°01'32"  | 32.760 |
| 09/11/2011 00:00:00 | ♄ | 14°28'31" ♂ | -22°32'02" | 00°00'00"  | -00°05'00" | 0.003  |
| 09/11/2011 00:00:00 | ♁ | 00°38'37" ♂ | -05°47'32" | 05°49'17"  | -00°00'07" | 16.678 |
| 09/11/2011 00:00:00 | ☾ | 25°47'34" ♀ | 13°38'16"  | 03°56'44"  | 00°06'41"  | 0.003  |
| 09/11/2011 00:00:00 | ♄ | 14°28'31" ♂ | -22°32'02" | 00°00'00"  | -00°05'00" | 0.003  |

Ephemerides year 2011

|                     |    |             |            |             |            |        |
|---------------------|----|-------------|------------|-------------|------------|--------|
| 09/11/2011 00:00:00 | T♄ | 21°55'25" ♀ | 12°22'52"  | 04°08'37"   | 02°20'44"  | 0.003  |
| 09/11/2011 00:00:00 | X  | 21°41'54" ♀ | -04°02'10" | -13°26'59"  | -00°00'32" | 95.693 |
| 09/11/2011 00:00:00 | Y  | 22°40'41" ♂ | 06°45'34"  | -12°03'18"  | -00°00'36" | 86.076 |
| 10/11/2011 00:00:00 | ☉  | 17°14'02" ♉ | -16°58'38" | 00°00'00"   | 01°00'15"  | 0.990  |
| 10/11/2011 00:00:00 | ☾  | 08°01'51" ♂ | 17°07'03"  | 03°06'07"   | 11°52'41"  | 0.003  |
| 10/11/2011 00:00:00 | ♀  | 09°22'56" ♂ | -24°28'19" | 0-02°38'50" | 01°11'34"  | 1.103  |
| 10/11/2011 00:00:00 | ♀  | 09°28'58" ♂ | -22°30'33" | -00°38'45"  | 01°14'32"  | 1.540  |
| 10/11/2011 00:00:00 | ♂  | 29°24'15" ♋ | 13°20'20"  | 01°46'18"   | 00°30'27"  | 1.508  |
| 10/11/2011 00:00:00 | ♃  | 03°41'50" ♂ | 11°22'33"  | -01°27'30"  | -00°07'40" | 3.997  |
| 10/11/2011 00:00:00 | ♅  | 23°26'07" ♌ | -06°59'18" | 02°16'23"   | 00°06'55"  | 10.574 |
| 10/11/2011 00:00:00 | ♁  | 01°01'09" ♀ | -00°17'19" | -00°45'23"  | -00°01'26" | 19.381 |
| 10/11/2011 00:00:00 | ♃  | 28°08'13" ♌ | -12°38'19" | -00°33'09"  | 00°00'00"  | 29.801 |
| 10/11/2011 00:00:00 | ♁  | 05°37'41" ♌ | -19°16'45" | 04°02'29"   | 00°01'33"  | 32.773 |
| 10/11/2011 00:00:00 | ♋  | 14°23'58" ♂ | -22°31'30" | 00°00'00"   | -00°04'01" | 0.003  |
| 10/11/2011 00:00:00 | ♅  | 00°38'31" ♌ | -05°47'56" | 05°48'53"   | -00°00'03" | 16.695 |
| 10/11/2011 00:00:00 | ♁  | 25°54'15" ♀ | 13°40'12"  | 03°56'09"   | 00°06'41"  | 0.003  |
| 10/11/2011 00:00:00 | T♄ | 14°23'58" ♂ | -22°31'30" | 00°00'00"   | -00°04'01" | 0.003  |
| 10/11/2011 00:00:00 | T♄ | 24°25'56" ♀ | 13°11'19"  | 04°00'10"   | 02°42'13"  | 0.003  |
| 10/11/2011 00:00:00 | X  | 21°41'22" ♀ | -04°02'16" | -13°26'54"  | -00°00'32" | 95.701 |

Ephemerides year 2011

|                     |   |   |  |            |            |        |
|---------------------|---|---|--|------------|------------|--------|
| 10/11/2011 00:00:00 | Y   | 22°40'05"    | 06°45'25"  | -12°03'19" | -00°00'36" | 86.073 |
| 11/11/2011 00:00:00 |      | 18°14'18"    | -17°15'30"   | 00°00'00"  | 01°00'17"  | 0.990  |
| 11/11/2011 00:00:00 |      | 19°56'16"    | 19°48'29"  | 02°09'58"  | 11°56'24"  | 0.003  |
| 11/11/2011 00:00:00 |      | 10°33'30"    | -24°40'18"  | -02°40'17" | 01°09'30"  | 1.085  |
| 11/11/2011 00:00:00 |      | 10°43'30"    | -22°43'59"   | -00°41'17" | 01°14'31"  | 1.536  |
| 11/11/2011 00:00:00 |      | 29°54'38"    | 13°10'39"  | 01°47'24"  | 00°30'17"  | 1.499  |
| 11/11/2011 00:00:00 |      | 03°34'12"    | 11°20'07"  | -01°27'20" | -00°07'35" | 4.001  |
| 11/11/2011 00:00:00 |      | 23°33'01"    | -07°01'45"   | 02°16'29"  | 00°06'53"  | 10.568 |
| 11/11/2011 00:00:00 |      | 00°59'44"    | -00°17'51"   | -00°45'21" | -00°01'23" | 19.393 |
| 11/11/2011 00:00:00 |      | 28°08'14"    | -12°38'18"   | -00°33'09" | 00°00'02"  | 29.818 |
| 11/11/2011 00:00:00 |      | 05°39'15"    | -19°16'53"   | 04°02'18"  | 00°01'34"  | 32.786 |
| 11/11/2011 00:00:00 |      | 14°20'34"    | -22°31'07"   | 00°00'00"  | -00°02'43" | 0.003  |
| 11/11/2011 00:00:00 |     | 00°38'29"   | -05°48'19"   | 05°48'29"  | 00°00'00"  | 16.713 |
| 11/11/2011 00:00:00 |    | 26°00'57"  | 13°42'07"  | 03°55'35"  | 00°06'41"  | 0.003  |
| 11/11/2011 00:00:00 | T  | 14°20'34"  | -22°31'07"   | 00°00'00"  | -00°02'43" | 0.003  |
| 11/11/2011 00:00:00 | T  | 27°23'37"  | 14°06'46"  | 03°49'37"  | 03°14'39"  | 0.003  |
| 11/11/2011 00:00:00 | X   | 21°40'49"  | -04°02'22"   | -13°26'48" | -00°00'32" | 95.708 |
| 11/11/2011 00:00:00 | Y   | 22°39'28"  | 06°45'15"  | -12°03'20" | -00°00'36" | 86.071 |
| 12/11/2011 00:00:00 |    | 19°14'36"  | -17°32'05"   | 00°00'00"  | 01°00'18"  | 0.990  |

Ephemerides year 2011

|                     |   |             |            |             |            |        |
|---------------------|---|-------------|------------|-------------|------------|--------|
| 12/11/2011 00:00:00 | ☾ | 01°55'15" ♀ | 21°38'53"  | 01°07'37"   | 12°01'52"  | 0.003  |
| 12/11/2011 00:00:00 | ♁ | 11°41'51" ♂ | -24°50'51" | 0-02°41'10" | 01°07'11"  | 1.066  |
| 12/11/2011 00:00:00 | ♀ | 11°58'02" ♂ | -22°56'46" | -00°43'48"  | 01°14'31"  | 1.532  |
| 12/11/2011 00:00:00 | ♂ | 00°24'50" ♃ | 13°00'59"  | 01°48'30"   | 00°30'06"  | 1.490  |
| 12/11/2011 00:00:00 | ♃ | 03°26'38" ♂ | 11°17'43"  | -01°27'10"  | -00°07'30" | 4.006  |
| 12/11/2011 00:00:00 | ♄ | 23°39'53" ♁ | -07°04'11" | 02°16'35"   | 00°06'51"  | 10.561 |
| 12/11/2011 00:00:00 | ♅ | 00°58'22" ♄ | -00°18'22" | -00°45'19"  | -00°01'21" | 19.406 |
| 12/11/2011 00:00:00 | ♆ | 28°08'18" ♁ | -12°38'16" | -00°33'08"  | 00°00'04"  | 29.835 |
| 12/11/2011 00:00:00 | ♇ | 05°40'50" ♂ | -19°17'00" | 04°02'06"   | 00°01'36"  | 32.799 |
| 12/11/2011 00:00:00 | ♈ | 14°18'33" ♂ | -22°30'52" | 00°00'00"   | -00°01'19" | 0.002  |
| 12/11/2011 00:00:00 | ♉ | 00°38'31" ♃ | -05°48'41" | 05°48'05"   | 00°00'03"  | 16.731 |
| 12/11/2011 00:00:00 | ♊ | 26°07'38" ♄ | 13°44'03"  | 03°55'01"   | 00°06'41"  | 0.003  |
| 12/11/2011 00:00:00 | ♋ | 14°18'33" ♂ | -22°30'52" | 00°00'00"   | -00°01'19" | 0.002  |
| 12/11/2011 00:00:00 | ♌ | 00°56'47" ♂ | 15°10'34"  | 03°36'10"   | 03°51'27"  | 0.003  |
| 12/11/2011 00:00:00 | ♍ | 21°40'18" ♄ | -04°02'28" | -13°26'42"  | -00°00'31" | 95.716 |
| 12/11/2011 00:00:00 | ♎ | 22°38'52" ♂ | 06°45'06"  | -12°03'20"  | -00°00'36" | 86.070 |
| 13/11/2011 00:00:00 | ♏ | 20°14'56" ♃ | -17°48'21" | 00°00'00"   | 01°00'20"  | 0.990  |
| 13/11/2011 00:00:00 | ♐ | 14°00'38" ♀ | 22°30'20"  | 00°01'35"   | 12°09'13"  | 0.003  |
| 13/11/2011 00:00:00 | ♁ | 12°47'46" ♂ | -24°59'57" | 0-02°41'28" | 01°04'34"  | 1.046  |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 13/11/2011 00:00:00 | ♀  | 13°12'34" ♄ | -23°08'52" | -00°46'17" | 01°14'31"  | 1.528  |
| 13/11/2011 00:00:00 | ♂  | 00°54'51" ♃ | 12°51'21"  | 01°49'36"  | 00°29'55"  | 1.482  |
| 13/11/2011 00:00:00 | ♃  | 03°19'10" ♄ | 11°15'21"  | -01°27'00" | -00°07'25" | 4.010  |
| 13/11/2011 00:00:00 | ♃  | 23°46'44" ♃ | -07°06'35" | 02°16'41"  | 00°06'49"  | 10.553 |
| 13/11/2011 00:00:00 | ♃  | 00°57'02" ♃ | -00°18'52" | -00°45'17" | -00°01'18" | 19.419 |
| 13/11/2011 00:00:00 | ♃  | 28°08'24" ♃ | -12°38'14" | -00°33'08" | 00°00'06"  | 29.852 |
| 13/11/2011 00:00:00 | ♃  | 05°42'27" ♄ | -19°17'07" | 04°01'55"  | 00°01'37"  | 32.812 |
| 13/11/2011 00:00:00 | ♃  | 14°17'54" ♄ | -22°30'48" | 00°00'00"  | -00°00'01" | 0.002  |
| 13/11/2011 00:00:00 | ♃  | 00°38'37" ♃ | -05°49'01" | 05°47'41"  | 00°00'07"  | 16.749 |
| 13/11/2011 00:00:00 | ♃  | 26°14'19" ♃ | 13°45'58"  | 03°54'26"  | 00°06'41"  | 0.003  |
| 13/11/2011 00:00:00 | T♃ | 14°17'54" ♄ | -22°30'48" | 00°00'00"  | -00°00'01" | 0.002  |
| 13/11/2011 00:00:00 | T♃ | 05°03'53" ♄ | 16°20'24"  | 03°19'30"  | 04°20'21"  | 0.003  |
| 13/11/2011 00:00:00 | X  | 21°39'46" ♃ | -04°02'34" | -13°26'36" | -00°00'31" | 95.724 |
| 13/11/2011 00:00:00 | Y  | 22°38'15" ♄ | 06°44'57"  | -12°03'21" | -00°00'36" | 86.068 |
| 14/11/2011 00:00:00 | ♃  | 21°15'17" ♃ | -18°04'19" | 00°00'00"  | 01°00'22"  | 0.989  |
| 14/11/2011 00:00:00 | ♃  | 26°14'26" ♃ | 22°17'39"  | -01°05'23" | 12°18'43"  | 0.003  |
| 14/11/2011 00:00:00 | ♃  | 13°50'54" ♄ | -25°07'33" | -02°41'07" | 01°01'38"  | 1.026  |
| 14/11/2011 00:00:00 | ♀  | 14°27'05" ♄ | -23°20'18" | -00°48'46" | 01°14'30"  | 1.524  |
| 14/11/2011 00:00:00 | ♂  | 01°24'41" ♃ | 12°41'44"  | 01°50'44"  | 00°29'44"  | 1.473  |

Ephemerides year 2011

|                     |    |              |            |             |            |        |
|---------------------|----|--------------|------------|-------------|------------|--------|
| 14/11/2011 00:00:00 | ♃  | 03°11'47" ♂r | 11°13'01"  | -01°26'50"  | -00°07'19" | 4.015  |
| 14/11/2011 00:00:00 | ♅  | 23°53'32" ♀  | -07°08'59" | 02°16'47"   | 00°06'47"  | 10.546 |
| 14/11/2011 00:00:00 | ♁  | 00°55'44" ♀r | -00°19'21" | -00°45'15"  | -00°01'16" | 19.432 |
| 14/11/2011 00:00:00 | ♆  | 28°08'31" ♀  | -12°38'11" | -00°33'07"  | 00°00'08"  | 29.869 |
| 14/11/2011 00:00:00 | ♁  | 05°44'05" ♂  | -19°17'14" | 04°01'44"   | 00°01'38"  | 32.824 |
| 14/11/2011 00:00:00 | ♁  | 14°18'24" ♂  | -22°30'51" | 00°00'00"   | 00°00'58"  | 0.002  |
| 14/11/2011 00:00:00 | ♆  | 00°38'46" ♀  | -05°49'20" | 05°47'17"   | 00°00'11"  | 16.767 |
| 14/11/2011 00:00:00 | ♁  | 26°21'01" ♀r | 13°47'53"  | 03°53'51"   | 00°06'41"  | 0.003  |
| 14/11/2011 00:00:00 | T♁ | 14°18'24" ♂  | -22°30'51" | 00°00'00"   | 00°00'58"  | 0.002  |
| 14/11/2011 00:00:00 | T♆ | 09°30'58" ♂  | 17°30'26"  | 03°00'17"   | 04°29'50"  | 0.003  |
| 14/11/2011 00:00:00 | X  | 21°39'15" ♀r | -04°02'40" | -13°26'30"  | -00°00'31" | 95.732 |
| 14/11/2011 00:00:00 | Y  | 22°37'39" ♂r | 06°44'48"  | -12°03'21"  | -00°00'36" | 86.067 |
| 15/11/2011 00:00:00 | ♁  | 22°15'41" ♀  | -18°19'58" | 00°00'00"   | 01°00'24"  | 0.989  |
| 15/11/2011 00:00:00 | ♃  | 08°38'56" ♀  | 20°59'13"  | -02°10'20"  | 12°30'42"  | 0.003  |
| 15/11/2011 00:00:00 | ♆  | 14°50'55" ♂  | -25°13'36" | 0-02°40'03" | 00°58'19"  | 1.006  |
| 15/11/2011 00:00:00 | ♁  | 15°41'35" ♂  | -23°31'03" | 0-00°51'13" | 01°14'30"  | 1.520  |
| 15/11/2011 00:00:00 | ♁  | 01°54'21" ♀  | 12°32'10"  | 01°51'51"   | 00°29'33"  | 1.465  |
| 15/11/2011 00:00:00 | ♃  | 03°04'31" ♂r | 11°10'43"  | -01°26'39"  | -00°07'13" | 4.021  |
| 15/11/2011 00:00:00 | ♅  | 24°00'18" ♀  | -07°11'22" | 02°16'54"   | 00°06'45"  | 10.538 |

Ephemerides year 2011

|                     |   |             |            |             |            |        |
|---------------------|---|-------------|------------|-------------|------------|--------|
| 15/11/2011 00:00:00 | ♃ | 00°54'29" ♄ | -00°19'49" | -00°45'13"  | -00°01'13" | 19.446 |
| 15/11/2011 00:00:00 | ♃ | 28°08'41" ♃ | -12°38'07" | -00°33'07"  | 00°00'10"  | 29.886 |
| 15/11/2011 00:00:00 | ♃ | 05°45'45" ♃ | -19°17'21" | 04°01'33"   | 00°01'40"  | 32.837 |
| 15/11/2011 00:00:00 | ♃ | 14°19'42" ♃ | -22°31'00" | 00°00'00"   | 00°01'32"  | 0.002  |
| 15/11/2011 00:00:00 | ♃ | 00°38'59" ♃ | -05°49'38" | 05°46'53"   | 00°00'14"  | 16.785 |
| 15/11/2011 00:00:00 | ♃ | 26°27'42" ♄ | 13°49'47"  | 03°53'17"   | 00°06'41"  | 0.003  |
| 15/11/2011 00:00:00 | ♃ | 14°19'42" ♃ | -22°31'00" | 00°00'00"   | 00°01'32"  | 0.002  |
| 15/11/2011 00:00:00 | ♃ | 13°54'54" ♃ | 18°33'37"  | 02°40'10"   | 04°13'30"  | 0.003  |
| 15/11/2011 00:00:00 | X | 21°38'44" ♄ | -04°02'45" | -13°26'24"  | -00°00'30" | 95.740 |
| 15/11/2011 00:00:00 | Y | 22°37'02" ♃ | 06°44'39"  | -12°03'21"  | -00°00'36" | 86.066 |
| 16/11/2011 00:00:00 | ♃ | 23°16'06" ♃ | -18°35'18" | -00°00'00"  | 01°00'26"  | 0.989  |
| 16/11/2011 00:00:00 | ♃ | 21°16'47" ♃ | 18°37'19"  | -03°10'10"  | 12°45'27"  | 0.003  |
| 16/11/2011 00:00:00 | ♃ | 15°47'25" ♃ | -25°18'05" | 0-02°38'14" | 00°54'35"  | 0.985  |
| 16/11/2011 00:00:00 | ♃ | 16°56'06" ♃ | -23°41'07" | 0-00°53'38" | 01°14'30"  | 1.516  |
| 16/11/2011 00:00:00 | ♃ | 02°23'49" ♃ | 12°22'37"  | 01°52'59"   | 00°29'22"  | 1.456  |
| 16/11/2011 00:00:00 | ♃ | 02°57'20" ♃ | 11°08'27"  | -01°26'28"  | -00°07'07" | 4.027  |
| 16/11/2011 00:00:00 | ♃ | 24°07'02" ♃ | -07°13'43" | 02°17'00"   | 00°06'42"  | 10.530 |
| 16/11/2011 00:00:00 | ♃ | 00°53'17" ♄ | -00°20'16" | -00°45'11"  | -00°01'10" | 19.459 |
| 16/11/2011 00:00:00 | ♃ | 28°08'53" ♃ | -12°38'02" | -00°33'06"  | 00°00'12"  | 29.904 |



Ephemerides year 2011

|                     |   |             |            |             |            |        |
|---------------------|---|-------------|------------|-------------|------------|--------|
| 16/11/2011 00:00:00 | ♁ | 05°47'25" ♃ | -19°17'28" | 04°01'22"   | 00°01'41"  | 32.849 |
| 16/11/2011 00:00:00 | ♁ | 14°21'19" ♃ | -22°31'12" | 00°00'00"   | 00°01'37"  | 0.002  |
| 16/11/2011 00:00:00 | ♃ | 00°39'16" ♃ | -05°49'55" | 05°46'29"   | 00°00'18"  | 16.803 |
| 16/11/2011 00:00:00 | ♁ | 26°34'24" ♃ | 13°51'42"  | 03°52'42"   | 00°06'41"  | 0.003  |
| 16/11/2011 00:00:00 | ♁ | 14°21'19" ♃ | -22°31'12" | 00°00'00"   | 00°01'37"  | 0.002  |
| 16/11/2011 00:00:00 | ♁ | 17°49'00" ♃ | 19°24'15"  | 02°21'30"   | 03°30'22"  | 0.003  |
| 16/11/2011 00:00:00 | X | 21°38'13" ♃ | -04°02'50" | -13°26'17"  | -00°00'30" | 95.749 |
| 16/11/2011 00:00:00 | Y | 22°36'26" ♃ | 06°44'30"  | -12°03'21"  | -00°00'36" | 86.065 |
| 17/11/2011 00:00:00 | ♁ | 24°16'33" ♃ | -18°50'18" | -00°00'00"  | 01°00'27"  | 0.989  |
| 17/11/2011 00:00:00 | ♁ | 04°10'48" ♃ | 15°17'36"  | -04°01'44"  | 13°03'03"  | 0.003  |
| 17/11/2011 00:00:00 | ♁ | 16°39'57" ♃ | -25°20'56" | 0-02°35'35" | 00°50'22"  | 0.963  |
| 17/11/2011 00:00:00 | ♁ | 18°10'36" ♃ | -23°50'28" | 0-00°56'02" | 01°14'29"  | 1.511  |
| 17/11/2011 00:00:00 | ♁ | 02°53'05" ♃ | 12°13'06"  | 01°54'08"   | 00°29'10"  | 1.447  |
| 17/11/2011 00:00:00 | ♁ | 02°50'16" ♃ | 11°06'14"  | -01°26'16"  | -00°07'00" | 4.032  |
| 17/11/2011 00:00:00 | ♁ | 24°13'44" ♃ | -07°16'04" | 02°17'07"   | 00°06'40"  | 10.522 |
| 17/11/2011 00:00:00 | ♁ | 00°52'07" ♃ | -00°20'42" | -00°45'09"  | -00°01'08" | 19.473 |
| 17/11/2011 00:00:00 | ♁ | 28°09'07" ♃ | -12°37'57" | -00°33'06"  | 00°00'14"  | 29.921 |
| 17/11/2011 00:00:00 | ♁ | 05°49'07" ♃ | -19°17'35" | 04°01'11"   | 00°01'42"  | 32.861 |
| 17/11/2011 00:00:00 | ♁ | 14°22'48" ♃ | -22°31'22" | 00°00'00"   | 00°01'15"  | 0.002  |

Ephemerides year 2011

|                     |    |             |            |             |            |        |
|---------------------|----|-------------|------------|-------------|------------|--------|
| 17/11/2011 00:00:00 | ♄  | 00°39'36" ♈ | -05°50'11" | 05°46'05"   | 00°00'21"  | 16.821 |
| 17/11/2011 00:00:00 | ♁  | 26°41'05" ♏ | 13°53'36"  | 03°52'07"   | 00°06'41"  | 0.003  |
| 17/11/2011 00:00:00 | ♄♁ | 14°22'48" ♈ | -22°31'22" | 00°00'00"   | 00°01'15"  | 0.002  |
| 17/11/2011 00:00:00 | ♁♄ | 20°47'44" ♏ | 19°59'18"  | 02°06'47"   | 02°23'35"  | 0.003  |
| 17/11/2011 00:00:00 | X  | 21°37'43" ♏ | -04°02'55" | -13°26'11"  | -00°00'30" | 95.758 |
| 17/11/2011 00:00:00 | Y  | 22°35'49" ♏ | 06°44'22"  | -12°03'21"  | -00°00'36" | 86.065 |
| 18/11/2011 00:00:00 | ♁  | 25°17'01" ♏ | -19°04'58" | -00°00'00"  | 01°00'29"  | 0.989  |
| 18/11/2011 00:00:00 | ♃  | 17°23'47" ♌ | 11°08'19"  | -04°41'53"  | 13°23'17"  | 0.003  |
| 18/11/2011 00:00:00 | ♁  | 17°28'01" ♈ | -25°22'07" | ♁-02°32'01" | 00°45'37"  | 0.942  |
| 18/11/2011 00:00:00 | ♁  | 19°25'06" ♈ | -23°59'08" | ♁-00°58'24" | 01°14'29"  | 1.507  |
| 18/11/2011 00:00:00 | ♁  | 03°22'09" ♏ | 12°03'38"  | 01°55'17"   | 00°28'58"  | 1.439  |
| 18/11/2011 00:00:00 | ♁  | 02°43'18" ♏ | 11°04'03"  | -01°26'04"  | -00°06'53" | 4.039  |
| 18/11/2011 00:00:00 | ♁  | 24°20'23" ♏ | -07°18'23" | 02°17'14"   | 00°06'38"  | 10.513 |
| 18/11/2011 00:00:00 | ♁  | 00°51'00" ♏ | -00°21'06" | -00°45'07"  | -00°01'05" | 19.487 |
| 18/11/2011 00:00:00 | ♁  | 28°09'23" ♏ | -12°37'51" | -00°33'05"  | 00°00'16"  | 29.938 |
| 18/11/2011 00:00:00 | ♁  | 05°50'50" ♏ | -19°17'41" | 04°01'00"   | 00°01'43"  | 32.873 |
| 18/11/2011 00:00:00 | ♁  | 14°23'43" ♈ | -22°31'28" | 00°00'00"   | 00°00'32"  | 0.002  |
| 18/11/2011 00:00:00 | ♄  | 00°40'00" ♈ | -05°50'25" | 05°45'41"   | 00°00'25"  | 16.839 |
| 18/11/2011 00:00:00 | ♁  | 26°47'47" ♏ | 13°55'30"  | 03°51'32"   | 00°06'41"  | 0.003  |

Ephemerides year 2011

|                     |    |             |            |             |            |        |
|---------------------|----|-------------|------------|-------------|------------|--------|
| 18/11/2011 00:00:00 | T♄ | 14°23'43" ♏ | -22°31'28" | 00°00'00"   | 00°00'32"  | 0.002  |
| 18/11/2011 00:00:00 | T♄ | 22°30'39" ♏ | 20°17'59"  | 01°58'08"   | 01°00'25"  | 0.003  |
| 18/11/2011 00:00:00 | X  | 21°37'13" ♏ | -04°02'59" | -13°26'04"  | -00°00'29" | 95.767 |
| 18/11/2011 00:00:00 | Y  | 22°35'12" ♏ | 06°44'13"  | -12°03'21"  | -00°00'36" | 86.065 |
| 19/11/2011 00:00:00 | ☉  | 26°17'32" ♏ | -19°19'18" | -00°00'00"  | 01°00'31"  | 0.988  |
| 19/11/2011 00:00:00 | ☾  | 00°58'02" ♏ | 06°19'50"  | -05°07'36"  | 13°45'26"  | 0.003  |
| 19/11/2011 00:00:00 | ♀  | 18°11'01" ♏ | -25°21'34" | o-02°27'27" | 00°40'17"  | 0.920  |
| 19/11/2011 00:00:00 | ♀  | 20°39'35" ♏ | -24°07'04" | o-01°00'44" | 01°14'29"  | 1.503  |
| 19/11/2011 00:00:00 | ♂  | 03°51'02" ♏ | 11°54'12"  | 01°56'27"   | 00°28'46"  | 1.430  |
| 19/11/2011 00:00:00 | ♃  | 02°36'28" ♏ | 11°01'54"  | -01°25'52"  | -00°06'46" | 4.045  |
| 19/11/2011 00:00:00 | ♅  | 24°27'00" ♏ | -07°20'42" | 02°17'21"   | 00°06'35"  | 10.505 |
| 19/11/2011 00:00:00 | ♁  | 00°49'56" ♏ | -00°21'30" | -00°45'05"  | -00°01'03" | 19.501 |
| 19/11/2011 00:00:00 | ♆  | 28°09'40" ♏ | -12°37'45" | -00°33'05"  | 00°00'18"  | 29.955 |
| 19/11/2011 00:00:00 | ♁  | 05°52'34" ♏ | -19°17'47" | 04°00'49"   | 00°01'44"  | 32.884 |
| 19/11/2011 00:00:00 | ♁  | 14°23'51" ♏ | -22°31'29" | 00°00'00"   | -00°00'18" | 0.002  |
| 19/11/2011 00:00:00 | ♁  | 00°40'27" ♏ | -05°50'38" | 05°45'17"   | 00°00'29"  | 16.857 |
| 19/11/2011 00:00:00 | ♁  | 26°54'28" ♏ | 13°57'23"  | 03°50'57"   | 00°06'41"  | 0.003  |
| 19/11/2011 00:00:00 | T♄ | 14°23'51" ♏ | -22°31'29" | 00°00'00"   | -00°00'18" | 0.002  |
| 19/11/2011 00:00:00 | T♄ | 22°47'26" ♏ | 20°20'56"  | 01°56'43"   | -00°25'57" | 0.003  |

Ephemerides year 2011

|                     |    |             |            |             |            |        |
|---------------------|----|-------------|------------|-------------|------------|--------|
| 19/11/2011 00:00:00 | X  | 21°36'44" ♄ | -04°03'04" | -13°25'57"  | -00°00'29" | 95.777 |
| 19/11/2011 00:00:00 | Y  | 22°34'36" ♄ | 06°44'05"  | -12°03'20"  | -00°00'36" | 86.065 |
| 20/11/2011 00:00:00 | ☉  | 27°18'05" ♃ | -19°33'17" | -00°00'00"  | 01°00'33"  | 0.988  |
| 20/11/2011 00:00:00 | ☾  | 14°54'53" ♃ | 01°04'40"  | -05°16'11"  | 14°08'11"  | 0.002  |
| 20/11/2011 00:00:00 | ♀  | 18°48'22" ♀ | -25°19'15" | o-02°21'50" | 00°34'17"  | 0.898  |
| 20/11/2011 00:00:00 | ♀  | 21°54'05" ♀ | -24°14'17" | o-01°03'02" | 01°14'29"  | 1.499  |
| 20/11/2011 00:00:00 | ♂  | 04°19'42" ♃ | 11°44'49"  | 01°57'37"   | 00°28'33"  | 1.421  |
| 20/11/2011 00:00:00 | ♃  | 02°29'45" ♄ | 10°59'48"  | -01°25'39"  | -00°06'39" | 4.052  |
| 20/11/2011 00:00:00 | ♅  | 24°33'35" ♄ | -07°22'58" | 02°17'29"   | 00°06'33"  | 10.496 |
| 20/11/2011 00:00:00 | ♁  | 00°48'54" ♄ | -00°21'53" | -00°45'03"  | -00°01'00" | 19.516 |
| 20/11/2011 00:00:00 | ♁  | 28°10'00" ♁ | -12°37'37" | -00°33'04"  | 00°00'20"  | 29.973 |
| 20/11/2011 00:00:00 | ♁  | 05°54'20" ♁ | -19°17'53" | 04°00'39"   | 00°01'45"  | 32.895 |
| 20/11/2011 00:00:00 | ♁  | 14°23'06" ♀ | -22°31'24" | 00°00'00"   | -00°01'08" | 0.002  |
| 20/11/2011 00:00:00 | ♁  | 00°40'58" ♁ | -05°50'49" | 05°44'53"   | 00°00'32"  | 16.875 |
| 20/11/2011 00:00:00 | ♁  | 27°01'09" ♄ | 13°59'17"  | 03°50'21"   | 00°06'41"  | 0.003  |
| 20/11/2011 00:00:00 | T♁ | 14°23'06" ♀ | -22°31'24" | 00°00'00"   | -00°01'08" | 0.002  |
| 20/11/2011 00:00:00 | T♁ | 21°43'58" ♄ | 20°09'38"  | 02°02'04"   | -01°36'43" | 0.003  |
| 20/11/2011 00:00:00 | X  | 21°36'15" ♄ | -04°03'08" | -13°25'50"  | -00°00'29" | 95.787 |
| 20/11/2011 00:00:00 | Y  | 22°33'59" ♄ | 06°43'57"  | -12°03'19"  | -00°00'36" | 86.066 |

Ephemerides year 2011

|                     |   |             |            |             |            |        |
|---------------------|---|-------------|------------|-------------|------------|--------|
| 21/11/2011 00:00:00 | ☉ | 28°18'39" ♍ | -19°46'55" | -00°00'00"  | 01°00'35"  | 0.988  |
| 21/11/2011 00:00:00 | ☾ | 29°13'58" ♍ | -04°22'06" | -05°05'40"  | 14°29'33"  | 0.002  |
| 21/11/2011 00:00:00 | ♀ | 19°19'22" ♁ | -25°15'04" | o-02°15'02" | 00°27'35"  | 0.876  |
| 21/11/2011 00:00:00 | ♀ | 23°08'33" ♁ | -24°20'47" | o-01°05'18" | 01°14'28"  | 1.495  |
| 21/11/2011 00:00:00 | ♂ | 04°48'09" ♍ | 11°35'29"  | 01°58'48"   | 00°28'20"  | 1.412  |
| 21/11/2011 00:00:00 | ♃ | 02°23'10" ♄ | 10°57'45"  | -01°25'26"  | -00°06'31" | 4.059  |
| 21/11/2011 00:00:00 | ♅ | 24°40'07" ♄ | -07°25'14" | 02°17'36"   | 00°06'30"  | 10.487 |
| 21/11/2011 00:00:00 | ♁ | 00°47'55" ♄ | -00°22'14" | -00°45'01"  | -00°00'57" | 19.530 |
| 21/11/2011 00:00:00 | ♃ | 28°10'22" ♄ | -12°37'29" | -00°33'04"  | 00°00'22"  | 29.990 |
| 21/11/2011 00:00:00 | ♁ | 05°56'06" ♄ | -19°17'59" | 04°00'28"   | 00°01'46"  | 32.906 |
| 21/11/2011 00:00:00 | ♁ | 14°21'39" ♄ | -22°31'14" | 00°00'00"   | -00°01'43" | 0.002  |
| 21/11/2011 00:00:00 | ♃ | 00°41'33" ♄ | -05°51'00" | 05°44'29"   | 00°00'36"  | 16.894 |
| 21/11/2011 00:00:00 | ♁ | 27°07'51" ♄ | 14°01'10"  | 03°49'46"   | 00°06'41"  | 0.003  |
| 21/11/2011 00:00:00 | ♁ | 14°21'39" ♄ | -22°31'14" | 00°00'00"   | -00°01'43" | 0.002  |
| 21/11/2011 00:00:00 | ♁ | 19°44'57" ♄ | 19°47'21"  | 02°12'00"   | -02°15'05" | 0.003  |
| 21/11/2011 00:00:00 | X | 21°35'46" ♄ | -04°03'12" | -13°25'43"  | -00°00'28" | 95.797 |
| 21/11/2011 00:00:00 | Y | 22°33'22" ♄ | 06°43'49"  | -12°03'19"  | -00°00'36" | 86.067 |
| 22/11/2011 00:00:00 | ☉ | 29°19'15" ♍ | -20°00'11" | -00°00'00"  | 01°00'36"  | 0.988  |
| 22/11/2011 00:00:00 | ☾ | 13°52'45" ♄ | -09°42'03" | -04°35'20"  | 14°47'09"  | 0.002  |

Ephemerides year 2011

|                     |    |             |              |            |            |        |
|---------------------|----|-------------|--------------|------------|------------|--------|
| 22/11/2011 00:00:00 | ♀  | 19°43'17" ♄ | -25°08'57" ♁ | -02°07'00" | 00°20'07"  | 0.854  |
| 22/11/2011 00:00:00 | ♀  | 24°23'02" ♄ | -24°26'33" ♁ | -01°07'32" | 01°14'28"  | 1.490  |
| 22/11/2011 00:00:00 | ♂  | 05°16'23" ♃ | 11°26'12"    | 01°59'59"  | 00°28'07"  | 1.403  |
| 22/11/2011 00:00:00 | ♃  | 02°16'43" ♄ | 10°55'45"    | -01°25'13" | -00°06'23" | 4.067  |
| 22/11/2011 00:00:00 | ♃  | 24°46'36" ♁ | -07°27'29"   | 02°17'44"  | 00°06'28"  | 10.477 |
| 22/11/2011 00:00:00 | ♃  | 00°46'59" ♄ | -00°22'34"   | -00°44'58" | -00°00'54" | 19.545 |
| 22/11/2011 00:00:00 | ♃  | 28°10'46" ♃ | -12°37'20"   | -00°33'03" | 00°00'25"  | 30.007 |
| 22/11/2011 00:00:00 | ♃  | 05°57'54" ♄ | -19°18'05"   | 04°00'18"  | 00°01'48"  | 32.917 |
| 22/11/2011 00:00:00 | ♃  | 14°19'47" ♄ | -22°31'01"   | 00°00'00"  | -00°01'56" | 0.002  |
| 22/11/2011 00:00:00 | ♃  | 00°42'11" ♃ | -05°51'09"   | 05°44'06"  | 00°00'40"  | 16.912 |
| 22/11/2011 00:00:00 | ♃  | 27°14'32" ♄ | 14°03'03"    | 03°49'10"  | 00°06'41"  | 0.003  |
| 22/11/2011 00:00:00 | T♃ | 14°19'47" ♄ | -22°31'01"   | 00°00'00"  | -00°01'56" | 0.002  |
| 22/11/2011 00:00:00 | T♃ | 17°25'36" ♄ | 19°19'28"    | 02°23'26"  | -02°18'37" | 0.003  |
| 22/11/2011 00:00:00 | X  | 21°35'17" ♄ | -04°03'15"   | -13°25'36" | -00°00'28" | 95.807 |
| 22/11/2011 00:00:00 | Y  | 22°32'46" ♄ | 06°43'41"    | -12°03'18" | -00°00'36" | 86.068 |
| 23/11/2011 00:00:00 | ♁  | 00°19'53" ♄ | -20°13'06"   | -00°00'00" | 01°00'38"  | 0.988  |
| 23/11/2011 00:00:00 | ♁  | 28°46'13" ♁ | -14°33'20"   | -03°46'06" | 14°58'34"  | 0.002  |
| 23/11/2011 00:00:00 | ♀  | 19°59'22" ♄ | -25°00'51" ♁ | -01°57'37" | 00°11'53"  | 0.832  |
| 23/11/2011 00:00:00 | ♀  | 25°37'31" ♄ | -24°31'34" ♁ | -01°09'44" | 01°14'28"  | 1.486  |

Ephemerides year 2011

|                     |    |             |            |             |            |        |
|---------------------|----|-------------|------------|-------------|------------|--------|
| 23/11/2011 00:00:00 | ♂  | 05°44'25" ♉ | 11°16'59"  | 02°01'11"   | 00°27'54"  | 1.394  |
| 23/11/2011 00:00:00 | ♃  | 02°10'24" ♈ | 10°53'48"  | -01°24'59"  | -00°06'14" | 4.074  |
| 23/11/2011 00:00:00 | ♅  | 24°53'03" ♋ | -07°29'42" | 02°17'52"   | 00°06'25"  | 10.468 |
| 23/11/2011 00:00:00 | ♆  | 00°46'06" ♋ | -00°22'54" | -00°44'56"  | -00°00'51" | 19.560 |
| 23/11/2011 00:00:00 | ♁  | 28°11'12" ♋ | -12°37'11" | -00°33'03"  | 00°00'27"  | 30.024 |
| 23/11/2011 00:00:00 | ♂  | 05°59'42" ♋ | -19°18'10" | 04°00'08"   | 00°01'49"  | 32.928 |
| 23/11/2011 00:00:00 | ♄  | 14°17'54" ♋ | -22°30'48" | 00°00'00"   | -00°01'46" | 0.002  |
| 23/11/2011 00:00:00 | ♅  | 00°42'53" ♋ | -05°51'17" | 05°43'42"   | 00°00'43"  | 16.930 |
| 23/11/2011 00:00:00 | ♁  | 27°21'13" ♋ | 14°04'55"  | 03°48'35"   | 00°06'41"  | 0.003  |
| 23/11/2011 00:00:00 | ♄♁ | 14°17'54" ♋ | -22°30'48" | 00°00'00"   | -00°01'46" | 0.002  |
| 23/11/2011 00:00:00 | ♁♅ | 15°14'20" ♋ | 18°51'29"  | 02°34'01"   | -02°02'29" | 0.003  |
| 23/11/2011 00:00:00 | X  | 21°34'49" ♋ | -04°03'18" | -13°25'29"  | -00°00'27" | 95.817 |
| 23/11/2011 00:00:00 | Y  | 22°32'09" ♋ | 06°43'33"  | -12°03'17"  | -00°00'36" | 86.070 |
| 24/11/2011 00:00:00 | ♁  | 01°20'32" ♋ | -20°25'38" | 00°00'00"   | 01°00'40"  | 0.987  |
| 24/11/2011 00:00:00 | ♃  | 13°47'10" ♋ | -18°32'02" | -02°40'57"  | 15°01'53"  | 0.002  |
| 24/11/2011 00:00:00 | ♅  | 20°06'49" ♋ | -24°50'40" | 0-01°46'51" | 00°02'53"  | 0.810  |
| 24/11/2011 00:00:00 | ♀  | 26°51'59" ♋ | -24°35'51" | 0-01°11'53" | 01°14'27"  | 1.481  |
| 24/11/2011 00:00:00 | ♂  | 06°12'12" ♋ | 11°07'49"  | 02°02'24"   | 00°27'40"  | 1.385  |
| 24/11/2011 00:00:00 | ♃  | 02°04'14" ♋ | 10°51'54"  | -01°24'46"  | -00°06'05" | 4.082  |

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|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 24/11/2011 00:00:00 | ♄ | 24°59'27" ♄ | -07°31'54" | 02°18'00"  | 00°06'22"  | 10.458 |
| 24/11/2011 00:00:00 | ♃ | 00°45'15" ♃ | -00°23'12" | -00°44'54" | -00°00'49" | 19.575 |
| 24/11/2011 00:00:00 | ♅ | 28°11'41" ♅ | -12°37'00" | -00°33'02" | 00°00'29"  | 30.042 |
| 24/11/2011 00:00:00 | ♆ | 06°01'32" ♆ | -19°18'15" | 03°59'57"  | 00°01'50"  | 32.938 |
| 24/11/2011 00:00:00 | ♁ | 14°16'20" ♁ | -22°30'37" | 00°00'00"  | -00°01'18" | 0.002  |
| 24/11/2011 00:00:00 | ♂ | 00°43'39" ♂ | -05°51'23" | 05°43'18"  | 00°00'47"  | 16.948 |
| 24/11/2011 00:00:00 | ♁ | 27°27'54" ♁ | 14°06'48"  | 03°47'59"  | 00°06'41"  | 0.003  |
| 24/11/2011 00:00:00 | ♁ | 14°16'20" ♁ | -22°30'37" | 00°00'00"  | -00°01'18" | 0.002  |
| 24/11/2011 00:00:00 | ♁ | 13°19'54" ♁ | 18°25'48"  | 02°43'07"  | -01°48'17" | 0.003  |
| 24/11/2011 00:00:00 | X | 21°34'22" ♃ | -04°03'21" | -13°25'21" | -00°00'27" | 95.828 |
| 24/11/2011 00:00:00 | Y | 22°31'33" ♁ | 06°43'26"  | -12°03'15" | -00°00'36" | 86.071 |
| 25/11/2011 00:00:00 | ♁ | 02°21'13" ♁ | -20°37'47" | 00°00'00"  | 01°00'41"  | 0.987  |
| 25/11/2011 00:00:00 | ♃ | 28°47'02" ♃ | -21°15'50" | -01°24'44" | 14°56'21"  | 0.002  |
| 25/11/2011 00:00:00 | ♁ | 20°04'55" ♁ | -24°38'18" | -01°34'35" | -00°06'49" | 0.790  |
| 25/11/2011 00:00:00 | ♂ | 28°06'27" ♂ | -24°39'24" | -01°14'00" | 01°14'27"  | 1.477  |
| 25/11/2011 00:00:00 | ♂ | 06°39'46" ♃ | 10°58'43"  | 02°03'37"  | 00°27'26"  | 1.376  |
| 25/11/2011 00:00:00 | ♁ | 01°58'12" ♁ | 10°50'04"  | -01°24'31" | -00°05'56" | 4.090  |
| 25/11/2011 00:00:00 | ♄ | 25°05'49" ♄ | -07°34'05" | 02°18'09"  | 00°06'19"  | 10.448 |
| 25/11/2011 00:00:00 | ♃ | 00°44'28" ♃ | -00°23'28" | -00°44'52" | -00°00'46" | 19.590 |



Ephemerides year 2011

|                     |   |              |            |             |            |        |
|---------------------|---|--------------|------------|-------------|------------|--------|
| 25/11/2011 00:00:00 | ♁ | 28°12'11" ♁  | -12°36'49" | -00°33'01"  | 00°00'31"  | 30.059 |
| 25/11/2011 00:00:00 | ♁ | 06°03'23" ♁  | -19°18'20" | 03°59'47"   | 00°01'51"  | 32.948 |
| 25/11/2011 00:00:00 | ♁ | 14°15'20" ♁r | -22°30'29" | 00°00'00"   | -00°00'40" | 0.002  |
| 25/11/2011 00:00:00 | ♁ | 00°44'28" ♁  | -05°51'28" | 05°42'54"   | 00°00'51"  | 16.967 |
| 25/11/2011 00:00:00 | ♁ | 27°34'36" ♁  | 14°08'40"  | 03°47'23"   | 00°06'41"  | 0.003  |
| 25/11/2011 00:00:00 | ♁ | 14°15'20" ♁r | -22°30'29" | 00°00'00"   | -00°00'40" | 0.002  |
| 25/11/2011 00:00:00 | ♁ | 11°32'00" ♁r | 18°00'34"  | 02°51'36"   | -01°50'56" | 0.003  |
| 25/11/2011 00:00:00 | X | 21°33'55" ♁r | -04°03'24" | -13°25'14"  | -00°00'26" | 95.839 |
| 25/11/2011 00:00:00 | Y | 22°30'57" ♁r | 06°43'19"  | -12°03'14"  | -00°00'36" | 86.074 |
| 26/11/2011 00:00:00 | ♁ | 03°21'55" ♁  | -20°49'33" | 00°00'00"   | 01°00'43"  | 0.987  |
| 26/11/2011 00:00:00 | ♁ | 13°37'05" ♁  | -22°29'25" | -00°03'30"  | 14°42'27"  | 0.002  |
| 26/11/2011 00:00:00 | ♁ | 19°52'57" ♁r | -24°23'41" | o-01°20'50" | -00°17'10" | 0.770  |
| 26/11/2011 00:00:00 | ♁ | 29°20'54" ♁  | -24°42'11" | o-01°16'04" | 01°14'27"  | 1.473  |
| 26/11/2011 00:00:00 | ♁ | 07°07'06" ♁  | 10°49'41"  | 02°04'51"   | 00°27'12"  | 1.368  |
| 26/11/2011 00:00:00 | ♁ | 01°52'20" ♁r | 10°48'16"  | -01°24'17"  | -00°05'47" | 4.099  |
| 26/11/2011 00:00:00 | ♁ | 25°12'07" ♁  | -07°36'14" | 02°18'17"   | 00°06'17"  | 10.438 |
| 26/11/2011 00:00:00 | ♁ | 00°43'43" ♁r | -00°23'44" | -00°44'49"  | -00°00'43" | 19.605 |
| 26/11/2011 00:00:00 | ♁ | 28°12'43" ♁  | -12°36'38" | -00°33'01"  | 00°00'33"  | 30.076 |
| 26/11/2011 00:00:00 | ♁ | 06°05'15" ♁  | -19°18'25" | 03°59'38"   | 00°01'52"  | 32.958 |

Ephemerides year 2011

|                     |   |              |            |             |            |        |
|---------------------|---|--------------|------------|-------------|------------|--------|
| 26/11/2011 00:00:00 | ♏ | 14°15'00" ♄r | -22°30'27" | 00°00'00"   | -00°00'01" | 0.002  |
| 26/11/2011 00:00:00 | ♋ | 00°45'21" ♃  | -05°51'32" | 05°42'31"   | 00°00'54"  | 16.985 |
| 26/11/2011 00:00:00 | ♌ | 27°41'17" ♃  | 14°10'32"  | 03°46'47"   | 00°06'41"  | 0.003  |
| 26/11/2011 00:00:00 | ♏ | 14°15'00" ♄r | -22°30'27" | 00°00'00"   | -00°00'01" | 0.002  |
| 26/11/2011 00:00:00 | ♌ | 09°31'21" ♄r | 17°31'11"  | 03°00'57"   | -02°13'08" | 0.003  |
| 26/11/2011 00:00:00 | X | 21°33'28" ♃r | -04°03'27" | -13°25'06"  | -00°00'26" | 95.850 |
| 26/11/2011 00:00:00 | Y | 22°30'21" ♄r | 06°43'11"  | -12°03'13"  | -00°00'35" | 86.076 |
| 27/11/2011 00:00:00 | ♁ | 04°22'39" ♄  | -21°00'56" | 00°00'00"   | 01°00'44"  | 0.987  |
| 27/11/2011 00:00:00 | ♃ | 28°09'45" ♄  | -22°08'59" | 01°16'27"   | 14°21'57"  | 0.002  |
| 27/11/2011 00:00:00 | ♌ | 19°30'26" ♄r | -24°06'43" | 0-01°05'35" | -00°27'56" | 0.751  |
| 27/11/2011 00:00:00 | ♍ | 00°35'21" ♄  | -24°44'14" | 0-01°18'06" | 01°14'26"  | 1.468  |
| 27/11/2011 00:00:00 | ♂ | 07°34'11" ♃  | 10°40'43"  | 02°06'05"   | 00°26'57"  | 1.359  |
| 27/11/2011 00:00:00 | ♉ | 01°46'38" ♄r | 10°46'32"  | -01°24'02"  | -00°05'37" | 4.108  |
| 27/11/2011 00:00:00 | ♈ | 25°18'23" ♃  | -07°38'22" | 02°18'26"   | 00°06'13"  | 10.428 |
| 27/11/2011 00:00:00 | ♌ | 00°43'01" ♃r | -00°23'58" | -00°44'47"  | -00°00'40" | 19.621 |
| 27/11/2011 00:00:00 | ♍ | 28°13'18" ♃  | -12°36'25" | -00°33'00"  | 00°00'35"  | 30.093 |
| 27/11/2011 00:00:00 | ♌ | 06°07'07" ♄  | -19°18'30" | 03°59'28"   | 00°01'53"  | 32.968 |
| 27/11/2011 00:00:00 | ♏ | 14°15'15" ♄  | -22°30'29" | 00°00'00"   | 00°00'29"  | 0.002  |
| 27/11/2011 00:00:00 | ♋ | 00°46'18" ♃  | -05°51'34" | 05°42'07"   | 00°00'58"  | 17.003 |

Ephemerides year 2011

|                     |   |             |            |             |            |        |
|---------------------|---|-------------|------------|-------------|------------|--------|
| 27/11/2011 00:00:00 | ☾ | 27°47'58" ♀ | 14°12'24"  | 03°46'11"   | 00°06'41"  | 0.003  |
| 27/11/2011 00:00:00 | ♄ | 14°15'15" ♀ | -22°30'29" | 00°00'00"   | 00°00'29"  | 0.002  |
| 27/11/2011 00:00:00 | ♄ | 07°02'12" ♀ | 16°53'10"  | 03°12'13"   | -02°45'33" | 0.003  |
| 27/11/2011 00:00:00 | X | 21°33'02" ♀ | -04°03'29" | -13°24'58"  | -00°00'25" | 95.861 |
| 27/11/2011 00:00:00 | Y | 22°29'45" ♀ | 06°43'05"  | -12°03'11"  | -00°00'35" | 86.079 |
| 28/11/2011 00:00:00 | ☉ | 05°23'24" ♀ | -21°11'56" | 00°00'00"   | 01°00'45"  | 0.987  |
| 28/11/2011 00:00:00 | ☾ | 12°19'36" ♀ | -20°22'55" | 02°29'38"   | 13°57'14"  | 0.002  |
| 28/11/2011 00:00:00 | ♁ | 18°57'01" ♀ | -23°47'21" | 0-00°48'53" | -00°38'52" | 0.734  |
| 28/11/2011 00:00:00 | ♂ | 01°49'47" ♀ | -24°45'32" | 0-01°20'05" | 01°14'25"  | 1.464  |
| 28/11/2011 00:00:00 | ♂ | 08°01'01" ♀ | 10°31'50"  | 02°07'20"   | 00°26'43"  | 1.350  |
| 28/11/2011 00:00:00 | ♃ | 01°41'05" ♀ | 10°44'52"  | -01°23'47"  | -00°05'27" | 4.117  |
| 28/11/2011 00:00:00 | ♅ | 25°24'35" ♀ | -07°40'29" | 02°18'35"   | 00°06'10"  | 10.417 |
| 28/11/2011 00:00:00 | ♁ | 00°42'23" ♀ | -00°24'12" | -00°44'45"  | -00°00'37" | 19.636 |
| 28/11/2011 00:00:00 | ♁ | 28°13'55" ♀ | -12°36'12" | -00°33'00"  | 00°00'37"  | 30.111 |
| 28/11/2011 00:00:00 | ♁ | 06°09'01" ♀ | -19°18'35" | 03°59'18"   | 00°01'54"  | 32.977 |
| 28/11/2011 00:00:00 | ♄ | 14°15'53" ♀ | -22°30'33" | 00°00'00"   | 00°00'45"  | 0.002  |
| 28/11/2011 00:00:00 | ♁ | 00°47'18" ♀ | -05°51'36" | 05°41'43"   | 00°01'02"  | 17.021 |
| 28/11/2011 00:00:00 | ☾ | 27°54'40" ♀ | 14°14'15"  | 03°45'35"   | 00°06'41"  | 0.003  |
| 28/11/2011 00:00:00 | ♄ | 14°15'53" ♀ | -22°30'33" | 00°00'00"   | 00°00'45"  | 0.002  |

Ephemerides year 2011

|                     |    |              |            |             |            |        |
|---------------------|----|--------------|------------|-------------|------------|--------|
| 28/11/2011 00:00:00 | T♄ | 04°02'35" ♂r | 16°04'57"  | 03°25'17"   | -03°10'55" | 0.003  |
| 28/11/2011 00:00:00 | X  | 21°32'37" ♀r | -04°03'31" | -13°24'50"  | -00°00'25" | 95.873 |
| 28/11/2011 00:00:00 | Y  | 22°29'09" ♂r | 06°42'58"  | -12°03'09"  | -00°00'35" | 86.082 |
| 29/11/2011 00:00:00 | ☉  | 06°24'10" ♂  | -21°22'31" | 00°00'00"   | 01°00'46"  | 0.987  |
| 29/11/2011 00:00:00 | ☾  | 26°03'43" ♀  | -17°27'49" | 03°31'53"   | 13°30'56"  | 0.003  |
| 29/11/2011 00:00:00 | ♀  | 18°12'45" ♀r | -23°25'36" | -00°30'52"  | -00°49'35" | 0.718  |
| 29/11/2011 00:00:00 | ♀  | 03°04'13" ♀  | -24°46'04" | o-01°22'01" | 01°14'25"  | 1.459  |
| 29/11/2011 00:00:00 | ♂  | 08°27'37" ♀  | 10°23'01"  | 02°08'35"   | 00°26'27"  | 1.341  |
| 29/11/2011 00:00:00 | ♃  | 01°35'42" ♂r | 10°43'15"  | -01°23'32"  | -00°05'17" | 4.126  |
| 29/11/2011 00:00:00 | ♅  | 25°30'44" ♀  | -07°42'34" | 02°18'44"   | 00°06'07"  | 10.406 |
| 29/11/2011 00:00:00 | ♁  | 00°41'47" ♀r | -00°24'24" | -00°44'42"  | -00°00'34" | 19.652 |
| 29/11/2011 00:00:00 | ♆  | 28°14'33" ♀  | -12°35'58" | -00°32'59"  | 00°00'39"  | 30.128 |
| 29/11/2011 00:00:00 | ♁  | 06°10'56" ♀  | -19°18'39" | 03°59'08"   | 00°01'55"  | 32.986 |
| 29/11/2011 00:00:00 | ♁  | 14°16'41" ♂  | -22°30'39" | 00°00'00"   | 00°00'48"  | 0.002  |
| 29/11/2011 00:00:00 | ♃  | 00°48'22" ♀  | -05°51'35" | 05°41'20"   | 00°01'05"  | 17.039 |
| 29/11/2011 00:00:00 | ♁  | 28°01'21" ♀r | 14°16'07"  | 03°44'58"   | 00°06'41"  | 0.003  |
| 29/11/2011 00:00:00 | T♁ | 14°16'41" ♂  | -22°30'39" | 00°00'00"   | 00°00'48"  | 0.002  |
| 29/11/2011 00:00:00 | T♄ | 00°48'18" ♂r | 15°09'59"  | 03°38'46"   | -03°12'52" | 0.003  |
| 29/11/2011 00:00:00 | X  | 21°32'12" ♀r | -04°03'32" | -13°24'42"  | -00°00'24" | 95.885 |

Ephemerides year 2011

|                     |    |              |            |             |            |        |
|---------------------|----|--------------|------------|-------------|------------|--------|
| 29/11/2011 00:00:00 | Y  | 22°28'34" ♄r | 06°42'51"  | -12°03'07"  | -00°00'35" | 86.085 |
| 30/11/2011 00:00:00 | ☉  | 07°24'57" ♄  | -21°32'43" | 00°00'00"   | 01°00'47"  | 0.986  |
| 30/11/2011 00:00:00 | ☾  | 09°21'43" ♁  | -13°43'05" | 04°20'35"   | 13°05'20"  | 0.003  |
| 30/11/2011 00:00:00 | ♀  | 17°18'03" ♄r | -23°01'32" | -00°11'45"  | -00°59'38" | 0.705  |
| 30/11/2011 00:00:00 | ♀  | 04°18'37" ♄  | -24°45'51" | o-01°23'54" | 01°14'24"  | 1.455  |
| 30/11/2011 00:00:00 | ♂  | 08°53'57" ♃  | 10°14'17"  | 02°09'52"   | 00°26'12"  | 1.331  |
| 30/11/2011 00:00:00 | ♃  | 01°30'29" ♄r | 10°41'42"  | -01°23'16"  | -00°05'07" | 4.135  |
| 30/11/2011 00:00:00 | ♅  | 25°36'50" ♁  | -07°44'38" | 02°18'53"   | 00°06'04"  | 10.395 |
| 30/11/2011 00:00:00 | ♁  | 00°41'14" ♄r | -00°24'35" | -00°44'40"  | -00°00'31" | 19.668 |
| 30/11/2011 00:00:00 | ♃  | 28°15'14" ♁  | -12°35'44" | -00°32'59"  | 00°00'41"  | 30.145 |
| 30/11/2011 00:00:00 | ♁  | 06°12'51" ♄  | -19°18'43" | 03°58'59"   | 00°01'55"  | 32.995 |
| 30/11/2011 00:00:00 | ♁  | 14°17'26" ♄  | -22°30'44" | 00°00'00"   | 00°00'38"  | 0.002  |
| 30/11/2011 00:00:00 | ♃  | 00°49'29" ♁  | -05°51'34" | 05°40'57"   | 00°01'09"  | 17.057 |
| 30/11/2011 00:00:00 | ♀  | 28°08'02" ♄r | 14°17'58"  | 03°44'22"   | 00°06'41"  | 0.003  |
| 30/11/2011 00:00:00 | T♁ | 14°17'26" ♄  | -22°30'44" | 00°00'00"   | 00°00'38"  | 0.002  |
| 30/11/2011 00:00:00 | T♃ | 27°46'31" ♄r | 14°16'05"  | 03°50'42"   | -02°46'19" | 0.003  |
| 30/11/2011 00:00:00 | X  | 21°31'47" ♄r | -04°03'34" | -13°24'34"  | -00°00'24" | 95.897 |
| 30/11/2011 00:00:00 | Y  | 22°27'58" ♄r | 06°42'45"  | -12°03'05"  | -00°00'35" | 86.089 |
| 01/12/2011 00:00:00 | ☉  | 08°25'45" ♄  | -21°42'29" | 00°00'00"   | 01°00'48"  | 0.986  |

Ephemerides year 2011

|                     |   |             |              |            |            |        |
|---------------------|---|-------------|--------------|------------|------------|--------|
| 01/12/2011 00:00:00 | ♃ | 22°15'15" ♁ | -09°26'39"   | 04°54'28"  | 12°42'15"  | 0.003  |
| 01/12/2011 00:00:00 | ♆ | 16°13'51" ♂ | -22°35'21"   | 00°08'11"  | -01°08'30" | 0.694  |
| 01/12/2011 00:00:00 | ♀ | 05°33'01" ♁ | -24°44'53" ♁ | -01°25'44" | 01°14'23"  | 1.450  |
| 01/12/2011 00:00:00 | ♂ | 09°20'01" ♁ | 10°05'37"    | 02°11'08"  | 00°25'56"  | 1.322  |
| 01/12/2011 00:00:00 | ♃ | 01°25'26" ♂ | 10°40'12"    | -01°23'01" | -00°04'57" | 4.145  |
| 01/12/2011 00:00:00 | ♃ | 25°42'53" ♁ | -07°46'40"   | 02°19'02"  | 00°06'01"  | 10.384 |
| 01/12/2011 00:00:00 | ♃ | 00°40'44" ♂ | -00°24'45"   | -00°44'38" | -00°00'28" | 19.684 |
| 01/12/2011 00:00:00 | ♃ | 28°15'56" ♁ | -12°35'28"   | -00°32'58" | 00°00'43"  | 30.162 |
| 01/12/2011 00:00:00 | ♃ | 06°14'48" ♁ | -19°18'47"   | 03°58'50"  | 00°01'56"  | 33.004 |
| 01/12/2011 00:00:00 | ♁ | 14°17'57" ♂ | -22°30'48"   | 00°00'00"  | 00°00'22"  | 0.002  |
| 01/12/2011 00:00:00 | ♃ | 00°50'40" ♂ | -05°51'31"   | 05°40'33"  | 00°01'12"  | 17.076 |
| 01/12/2011 00:00:00 | ♃ | 28°14'44" ♂ | 14°19'48"    | 03°43'45"  | 00°06'41"  | 0.003  |
| 01/12/2011 00:00:00 | ♁ | 14°17'57" ♂ | -22°30'48"   | 00°00'00"  | 00°00'22"  | 0.002  |
| 01/12/2011 00:00:00 | ♃ | 25°22'19" ♂ | 13°31'44"    | 03°59'42"  | -01°59'59" | 0.003  |
| 01/12/2011 00:00:00 | X | 21°31'23" ♂ | -04°03'35"   | -13°24'26" | -00°00'24" | 95.909 |
| 01/12/2011 00:00:00 | Y | 22°27'23" ♂ | 06°42'39"    | -12°03'03" | -00°00'35" | 86.092 |
| 02/12/2011 00:00:00 | ♁ | 09°26'34" ♂ | -21°51'51"   | 00°00'00"  | 01°00'49"  | 0.986  |
| 02/12/2011 00:00:00 | ♃ | 04°47'28" ♂ | -04°53'18"   | 05°13'14"  | 12°22'51"  | 0.003  |
| 02/12/2011 00:00:00 | ♆ | 15°01'36" ♂ | -22°07'22"   | 00°28'34"  | -01°15'38" | 0.686  |

Ephemerides year 2011

|                     |    |             |            |             |            |        |
|---------------------|----|-------------|------------|-------------|------------|--------|
| 02/12/2011 00:00:00 | ♀  | 06°47'24" ♍ | -24°43'10" | ♁-01°27'31" | 01°14'22"  | 1.445  |
| 02/12/2011 00:00:00 | ♂  | 09°45'50" ♏ | 09°57'03"  | 02°12'25"   | 00°25'40"  | 1.313  |
| 02/12/2011 00:00:00 | ♃  | 01°20'34" ♏ | 10°38'46"  | -01°22'45"  | -00°04'46" | 4.155  |
| 02/12/2011 00:00:00 | ♅  | 25°48'52" ♁ | -07°48'41" | 02°19'12"   | 00°05'57"  | 10.373 |
| 02/12/2011 00:00:00 | ♁  | 00°40'17" ♏ | -00°24'53" | -00°44'35"  | -00°00'25" | 19.700 |
| 02/12/2011 00:00:00 | ♃  | 28°16'41" ♁ | -12°35'13" | -00°32'58"  | 00°00'45"  | 30.179 |
| 02/12/2011 00:00:00 | ♁  | 06°16'45" ♍ | -19°18'51" | 03°58'40"   | 00°01'57"  | 33.012 |
| 02/12/2011 00:00:00 | ♁  | 14°18'11" ♏ | -22°30'49" | 00°00'00"   | 00°00'06"  | 0.002  |
| 02/12/2011 00:00:00 | ♃  | 00°51'54" ♁ | -05°51'27" | 05°40'10"   | 00°01'15"  | 17.094 |
| 02/12/2011 00:00:00 | ♁  | 28°21'25" ♏ | 14°21'39"  | 03°43'09"   | 00°06'41"  | 0.003  |
| 02/12/2011 00:00:00 | T♁ | 14°18'11" ♏ | -22°30'49" | 00°00'00"   | 00°00'06"  | 0.002  |
| 02/12/2011 00:00:00 | T♁ | 23°48'06" ♏ | 13°02'03"  | 04°05'20"   | -01°08'50" | 0.003  |
| 02/12/2011 00:00:00 | X  | 21°30'59" ♏ | -04°03'36" | -13°24'18"  | -00°00'23" | 95.922 |
| 02/12/2011 00:00:00 | Y  | 22°26'48" ♏ | 06°42'33"  | -12°03'00"  | -00°00'35" | 86.097 |
| 03/12/2011 00:00:00 | ♁  | 10°27'24" ♏ | -22°00'47" | 00°00'00"   | 01°00'50"  | 0.986  |
| 03/12/2011 00:00:00 | ♃  | 17°02'26" ♁ | -00°14'41" | 05°17'13"   | 12°07'49"  | 0.003  |
| 03/12/2011 00:00:00 | ♃  | 13°43'18" ♏ | -21°38'05" | 00°48'57"   | -01°20'32" | 0.680  |
| 03/12/2011 00:00:00 | ♀  | 08°01'46" ♍ | -24°40'42" | ♁-01°29'15" | 01°14'21"  | 1.441  |
| 03/12/2011 00:00:00 | ♂  | 10°11'23" ♏ | 09°48'34"  | 02°13'43"   | 00°25'24"  | 1.304  |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 03/12/2011 00:00:00 | ♃ | 01°15'53" ♂ | 10°37'24"  | -01°22'29" | -00°04'36" | 4.165  |
| 03/12/2011 00:00:00 | ♅ | 25°54'48" ♀ | -07°50'41" | 02°19'22"  | 00°05'54"  | 10.361 |
| 03/12/2011 00:00:00 | ♁ | 00°39'53" ♀ | -00°25'00" | -00°44'33" | -00°00'22" | 19.716 |
| 03/12/2011 00:00:00 | ♆ | 28°17'27" ♀ | -12°34'56" | -00°32'58" | 00°00'47"  | 30.196 |
| 03/12/2011 00:00:00 | ♄ | 06°18'43" ♂ | -19°18'55" | 03°58'31"  | 00°01'58"  | 33.020 |
| 03/12/2011 00:00:00 | ♁ | 14°18'10" ♂ | -22°30'49" | 00°00'00"  | -00°00'06" | 0.002  |
| 03/12/2011 00:00:00 | ♆ | 00°53'12" ♀ | -05°51'22" | 05°39'47"  | 00°01'19"  | 17.112 |
| 03/12/2011 00:00:00 | ♁ | 28°28'06" ♀ | 14°23'29"  | 03°42'32"  | 00°06'41"  | 0.003  |
| 03/12/2011 00:00:00 | ♁ | 14°18'10" ♂ | -22°30'49" | 00°00'00"  | -00°00'06" | 0.002  |
| 03/12/2011 00:00:00 | ♁ | 23°02'02" ♀ | 12°47'19"  | 04°08'01"  | -00°25'18" | 0.003  |
| 03/12/2011 00:00:00 | X | 21°30'36" ♀ | -04°03'36" | -13°24'09" | -00°00'23" | 95.934 |
| 03/12/2011 00:00:00 | Y | 22°26'13" ♂ | 06°42'27"  | -12°02'58" | -00°00'34" | 86.101 |
| 04/12/2011 00:00:00 | ♁ | 11°28'14" ♂ | -22°09'18" | 00°00'00"  | 01°00'51"  | 0.986  |
| 04/12/2011 00:00:00 | ♁ | 29°04'39" ♀ | 04°19'45"  | 05°07'08"  | 11°57'22"  | 0.003  |
| 04/12/2011 00:00:00 | ♁ | 12°21'23" ♂ | -21°08'09" | 01°08'50"  | -01°22'50" | 0.678  |
| 04/12/2011 00:00:00 | ♁ | 09°16'07" ♂ | -24°37'29" | -01°30'55" | 01°14'20"  | 1.436  |
| 04/12/2011 00:00:00 | ♁ | 10°36'39" ♀ | 09°40'11"  | 02°15'02"  | 00°25'08"  | 1.295  |
| 04/12/2011 00:00:00 | ♃ | 01°11'22" ♂ | 10°36'05"  | -01°22'12" | -00°04'25" | 4.176  |
| 04/12/2011 00:00:00 | ♅ | 26°00'40" ♀ | -07°52'38" | 02°19'31"  | 00°05'50"  | 10.349 |



Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 04/12/2011 00:00:00 | ♃ | 00°39'32" ♀ | -00°25'07" | -00°44'31" | -00°00'19" | 19.732 |
| 04/12/2011 00:00:00 | ♃ | 28°18'15" ♀ | -12°34'39" | -00°32'57" | 00°00'49"  | 30.213 |
| 04/12/2011 00:00:00 | ♃ | 06°20'41" ♀ | -19°18'58" | 03°58'22"  | 00°01'59"  | 33.028 |
| 04/12/2011 00:00:00 | ♃ | 14°18'00" ♀ | -22°30'48" | 00°00'00"  | -00°00'13" | 0.002  |
| 04/12/2011 00:00:00 | ♃ | 00°54'33" ♀ | -05°51'15" | 05°39'24"  | 00°01'22"  | 17.130 |
| 04/12/2011 00:00:00 | ♃ | 28°34'47" ♀ | 14°25'19"  | 03°41'55"  | 00°06'41"  | 0.003  |
| 04/12/2011 00:00:00 | ♃ | 14°18'00" ♀ | -22°30'48" | 00°00'00"  | -00°00'13" | 0.002  |
| 04/12/2011 00:00:00 | ♃ | 22°52'40" ♀ | 12°44'19"  | 04°08'33"  | 00°03'57"  | 0.003  |
| 04/12/2011 00:00:00 | X | 21°30'13" ♀ | -04°03'37" | -13°24'01" | -00°00'22" | 95.947 |
| 04/12/2011 00:00:00 | Y | 22°25'38" ♀ | 06°42'21"  | -12°02'55" | -00°00'34" | 86.106 |
| 05/12/2011 00:00:00 | ♃ | 12°29'06" ♀ | -22°17'24" | 00°00'00"  | 01°00'51"  | 0.986  |
| 05/12/2011 00:00:00 | ♃ | 10°58'41" ♀ | 08°41'43"  | 04°43'56"  | 11°51'25"  | 0.003  |
| 05/12/2011 00:00:00 | ♃ | 10°58'34" ♀ | -20°38'20" | 01°27'44"  | -01°22'19" | 0.679  |
| 05/12/2011 00:00:00 | ♃ | 10°30'27" ♀ | -24°33'31" | -01°32'32" | 01°14'19"  | 1.431  |
| 05/12/2011 00:00:00 | ♃ | 11°01'39" ♀ | 09°31'53"  | 02°16'21"  | 00°24'51"  | 1.286  |
| 05/12/2011 00:00:00 | ♃ | 01°07'03" ♀ | 10°34'51"  | -01°21'56" | -00°04'13" | 4.186  |
| 05/12/2011 00:00:00 | ♃ | 26°06'29" ♀ | -07°54'35" | 02°19'42"  | 00°05'47"  | 10.337 |
| 05/12/2011 00:00:00 | ♃ | 00°39'14" ♀ | -00°25'12" | -00°44'28" | -00°00'16" | 19.748 |
| 05/12/2011 00:00:00 | ♃ | 28°19'06" ♀ | -12°34'21" | -00°32'57" | 00°00'51"  | 30.229 |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 05/12/2011 00:00:00 | ♁ | 06°22'41" ♁ | -19°19'02" | 03°58'13"  | 00°01'59"  | 33.036 |
| 05/12/2011 00:00:00 | ♁ | 14°17'46" ♁ | -22°30'46" | 00°00'00"  | -00°00'12" | 0.002  |
| 05/12/2011 00:00:00 | ♁ | 00°55'58" ♁ | -05°51'07" | 05°39'01"  | 00°01'26"  | 17.147 |
| 05/12/2011 00:00:00 | ♁ | 28°41'28" ♁ | 14°27'09"  | 03°41'18"  | 00°06'41"  | 0.003  |
| 05/12/2011 00:00:00 | ♁ | 14°17'46" ♁ | -22°30'46" | 00°00'00"  | -00°00'12" | 0.002  |
| 05/12/2011 00:00:00 | ♁ | 23°04'43" ♁ | 12°48'10"  | 04°07'51"  | 00°17'41"  | 0.003  |
| 05/12/2011 00:00:00 | X | 21°29'50" ♁ | -04°03'37" | -13°23'52" | -00°00'22" | 95.960 |
| 05/12/2011 00:00:00 | Y | 22°25'04" ♁ | 06°42'16"  | -12°02'52" | -00°00'34" | 86.111 |
| 06/12/2011 00:00:00 | ♁ | 13°29'58" ♁ | -22°25'03" | 00°00'00"  | 01°00'52"  | 0.985  |
| 06/12/2011 00:00:00 | ♁ | 22°48'53" ♁ | 12°43'05"  | 04°08'45"  | 11°49'38"  | 0.003  |
| 06/12/2011 00:00:00 | ♁ | 09°37'40" ♁ | -20°09'30" | 01°45'10"  | -01°19'01" | 0.684  |
| 06/12/2011 00:00:00 | ♁ | 11°44'46" ♁ | -24°28'48" | 01°34'06"  | 01°14'18"  | 1.426  |
| 06/12/2011 00:00:00 | ♁ | 11°26'22" ♁ | 09°23'41"  | 02°17'41"  | 00°24'34"  | 1.277  |
| 06/12/2011 00:00:00 | ♁ | 01°02'54" ♁ | 10°33'41"  | -01°21'39" | -00°04'02" | 4.197  |
| 06/12/2011 00:00:00 | ♁ | 26°12'15" ♁ | -07°56'30" | 02°19'52"  | 00°05'43"  | 10.325 |
| 06/12/2011 00:00:00 | ♁ | 00°38'59" ♁ | -00°25'15" | -00°44'26" | -00°00'13" | 19.765 |
| 06/12/2011 00:00:00 | ♁ | 28°19'58" ♁ | -12°34'02" | -00°32'56" | 00°00'53"  | 30.246 |
| 06/12/2011 00:00:00 | ♁ | 06°24'41" ♁ | -19°19'05" | 03°58'05"  | 00°02'00"  | 33.043 |
| 06/12/2011 00:00:00 | ♁ | 14°17'37" ♁ | -22°30'45" | 00°00'00"  | -00°00'06" | 0.002  |

Ephemerides year 2011

|                     |    |              |            |             |            |        |
|---------------------|----|--------------|------------|-------------|------------|--------|
| 06/12/2011 00:00:00 | ♄  | 00°57'26" ♈  | -05°50'58" | 05°38'38"   | 00°01'29"  | 17.165 |
| 06/12/2011 00:00:00 | ♁  | 28°48'09" ♈  | 14°28'58"  | 03°40'41"   | 00°06'41"  | 0.003  |
| 06/12/2011 00:00:00 | ♄♁ | 14°17'37" ♈r | -22°30'45" | 00°00'00"   | -00°00'06" | 0.002  |
| 06/12/2011 00:00:00 | ♁♄ | 23°23'50" ♈  | 12°54'17"  | 04°06'44"   | 00°18'56"  | 0.003  |
| 06/12/2011 00:00:00 | X  | 21°29'29" ♈r | -04°03'37" | -13°23'43"  | -00°00'21" | 95.973 |
| 06/12/2011 00:00:00 | Y  | 22°24'30" ♄r | 06°42'11"  | -12°02'49"  | -00°00'34" | 86.116 |
| 07/12/2011 00:00:00 | ♁  | 14°30'51" ♈  | -22°32'17" | 00°00'00"   | 01°00'53"  | 0.985  |
| 07/12/2011 00:00:00 | ♃  | 04°39'11" ♄  | 16°15'15"  | 03°22'57"   | 11°51'33"  | 0.003  |
| 07/12/2011 00:00:00 | ♁  | 08°21'22" ♈r | -19°42'30" | 02°00'48"   | -01°13'10" | 0.691  |
| 07/12/2011 00:00:00 | ♁  | 12°59'04" ♄  | -24°23'21" | 0-01°35'36" | 01°14'17"  | 1.422  |
| 07/12/2011 00:00:00 | ♁  | 11°50'47" ♄  | 09°15'35"  | 02°19'01"   | 00°24'16"  | 1.268  |
| 07/12/2011 00:00:00 | ♁  | 00°58'57" ♄r | 10°32'34"  | -01°21'22"  | -00°03'51" | 4.208  |
| 07/12/2011 00:00:00 | ♁  | 26°17'56" ♄  | -07°58'23" | 02°20'02"   | 00°05'39"  | 10.313 |
| 07/12/2011 00:00:00 | ♁  | 00°38'47" ♈r | -00°25'18" | -00°44'23"  | -00°00'10" | 19.781 |
| 07/12/2011 00:00:00 | ♁  | 28°20'52" ♄  | -12°33'43" | -00°32'56"  | 00°00'55"  | 30.263 |
| 07/12/2011 00:00:00 | ♁  | 06°26'42" ♄  | -19°19'08" | 03°57'56"   | 00°02'01"  | 33.050 |
| 07/12/2011 00:00:00 | ♁  | 14°17'34" ♈  | -22°30'45" | 00°00'00"   | 00°00'01"  | 0.002  |
| 07/12/2011 00:00:00 | ♄  | 00°58'57" ♈  | -05°50'47" | 05°38'16"   | 00°01'33"  | 17.183 |
| 07/12/2011 00:00:00 | ♁  | 28°54'50" ♈  | 14°30'48"  | 03°40'04"   | 00°06'41"  | 0.003  |

Ephemerides year 2011

|                     |    |             |            |             |            |        |
|---------------------|----|-------------|------------|-------------|------------|--------|
| 07/12/2011 00:00:00 | T♄ | 14°17'34" ♄ | -22°30'45" | 00°00'00"   | 00°00'01"  | 0.002  |
| 07/12/2011 00:00:00 | T♄ | 23°40'52" ♄ | 12°59'44"  | 04°05'45"   | 00°15'08"  | 0.003  |
| 07/12/2011 00:00:00 | X  | 21°29'07" ♄ | -04°03'36" | -13°23'35"  | -00°00'20" | 95.987 |
| 07/12/2011 00:00:00 | Y  | 22°23'56" ♄ | 06°42'06"  | -12°02'46"  | -00°00'33" | 86.122 |
| 08/12/2011 00:00:00 | ♁  | 15°31'45" ♄ | -22°39'03" | 00°00'00"   | 01°00'54"  | 0.985  |
| 08/12/2011 00:00:00 | ♂  | 16°33'02" ♄ | 19°08'54"  | 02°28'10"   | 11°56'36"  | 0.003  |
| 08/12/2011 00:00:00 | ♀  | 07°12'02" ♄ | -19°18'05" | 02°14'20"   | -01°05'10" | 0.702  |
| 08/12/2011 00:00:00 | ♀  | 14°13'21" ♄ | -24°17'09" | 0-01°37'02" | 01°14'16"  | 1.417  |
| 08/12/2011 00:00:00 | ♂  | 12°14'55" ♄ | 09°07'36"  | 02°20'22"   | 00°23'59"  | 1.259  |
| 08/12/2011 00:00:00 | ♃  | 00°55'12" ♄ | 10°31'32"  | -01°21'05"  | -00°03'39" | 4.219  |
| 08/12/2011 00:00:00 | ♅  | 26°23'34" ♄ | -08°00'15" | 02°20'13"   | 00°05'36"  | 10.301 |
| 08/12/2011 00:00:00 | ♁  | 00°38'39" ♄ | -00°25'19" | -00°44'21"  | -00°00'07" | 19.798 |
| 08/12/2011 00:00:00 | ♃  | 28°21'49" ♄ | -12°33'23" | -00°32'55"  | 00°00'57"  | 30.279 |
| 08/12/2011 00:00:00 | ♁  | 06°28'43" ♄ | -19°19'10" | 03°57'47"   | 00°02'01"  | 33.057 |
| 08/12/2011 00:00:00 | ♁  | 14°17'40" ♄ | -22°30'46" | 00°00'00"   | 00°00'08"  | 0.002  |
| 08/12/2011 00:00:00 | ♃  | 01°00'32" ♄ | -05°50'35" | 05°37'53"   | 00°01'36"  | 17.201 |
| 08/12/2011 00:00:00 | ♄  | 29°01'31" ♄ | 14°32'37"  | 03°39'26"   | 00°06'41"  | 0.003  |
| 08/12/2011 00:00:00 | T♄ | 14°17'40" ♄ | -22°30'46" | 00°00'00"   | 00°00'08"  | 0.002  |
| 08/12/2011 00:00:00 | T♄ | 23°56'20" ♄ | 13°04'38"  | 04°04'50"   | 00°18'03"  | 0.003  |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 08/12/2011 00:00:00 | X  | 21°28'47" ♀ | -04°03'35" | -13°23'26" | -00°00'20" | 96.000 |
| 08/12/2011 00:00:00 | Y  | 22°23'22" ♂ | 06°42'01"  | -12°02'42" | -00°00'33" | 86.127 |
| 09/12/2011 00:00:00 | ☉  | 16°32'40" ♀ | -22°45'24" | 00°00'00"  | 01°00'55"  | 0.985  |
| 09/12/2011 00:00:00 | ☾  | 28°33'16" ♂ | 21°14'23"  | 01°26'23"  | 12°04'13"  | 0.003  |
| 09/12/2011 00:00:00 | ♁  | 06°11'33" ♀ | -18°56'54" | 02°25'37"  | -00°55'33" | 0.715  |
| 09/12/2011 00:00:00 | ♂  | 15°27'36" ♀ | -24°10'13" | 01°38'25"  | 01°14'15"  | 1.412  |
| 09/12/2011 00:00:00 | ♂  | 12°38'45" ♀ | 08°59'42"  | 02°21'44"  | 00°23'40"  | 1.249  |
| 09/12/2011 00:00:00 | ♂  | 00°51'38" ♂ | 10°30'34"  | -01°20'48" | -00°03'28" | 4.231  |
| 09/12/2011 00:00:00 | ♃  | 26°29'09" ♀ | -08°02'05" | 02°20'23"  | 00°05'32"  | 10.288 |
| 09/12/2011 00:00:00 | ♃  | 00°38'33" ♀ | -00°25'19" | -00°44'19" | -00°00'04" | 19.815 |
| 09/12/2011 00:00:00 | ♃  | 28°22'47" ♀ | -12°33'02" | -00°32'55" | 00°00'59"  | 30.296 |
| 09/12/2011 00:00:00 | ♃  | 06°30'45" ♀ | -19°19'13" | 03°57'39"  | 00°02'02"  | 33.063 |
| 09/12/2011 00:00:00 | ♃  | 14°17'49" ♀ | -22°30'47" | 00°00'00"  | 00°00'09"  | 0.003  |
| 09/12/2011 00:00:00 | ♃  | 01°02'10" ♀ | -05°50'22" | 05°37'31"  | 00°01'39"  | 17.218 |
| 09/12/2011 00:00:00 | ♃  | 29°08'12" ♀ | 14°34'25"  | 03°38'49"  | 00°06'41"  | 0.003  |
| 09/12/2011 00:00:00 | T♃ | 14°17'49" ♀ | -22°30'47" | 00°00'00"  | 00°00'09"  | 0.003  |
| 09/12/2011 00:00:00 | T♃ | 24°23'49" ♀ | 13°13'20"  | 04°03'11"  | 00°41'20"  | 0.003  |
| 09/12/2011 00:00:00 | X  | 21°28'27" ♀ | -04°03'34" | -13°23'17" | -00°00'19" | 96.014 |
| 09/12/2011 00:00:00 | Y  | 22°22'49" ♂ | 06°41'56"  | -12°02'39" | -00°00'33" | 86.134 |

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|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 10/12/2011 00:00:00 | ☉ | 17°33'36" ♄ | -22°51'17" | 00°00'00"  | 01°00'56"  | 0.985  |
| 10/12/2011 00:00:00 | ☾ | 10°42'08" ♀ | 22°22'40"  | 00°19'58"  | 12°13'47"  | 0.003  |
| 10/12/2011 00:00:00 | ♁ | 05°21'17" ♄ | -18°39'23" | 02°34'36"  | -00°44'52" | 0.730  |
| 10/12/2011 00:00:00 | ♂ | 16°41'51" ♃ | -24°02'34" | 01°39'44"  | 01°14'13"  | 1.407  |
| 10/12/2011 00:00:00 | ♂ | 13°02'17" ♃ | 08°51'56"  | 02°23'06"  | 00°23'22"  | 1.240  |
| 10/12/2011 00:00:00 | ♃ | 00°48'15" ♄ | 10°29'40"  | -01°20'31" | -00°03'16" | 4.243  |
| 10/12/2011 00:00:00 | ♄ | 26°34'39" ♃ | -08°03'53" | 02°20'34"  | 00°05'28"  | 10.275 |
| 10/12/2011 00:00:00 | ♅ | 00°38'31" ♄ | -00°25'18" | -00°44'16" | -00°00'00" | 19.832 |
| 10/12/2011 00:00:00 | ♆ | 28°23'47" ♃ | -12°32'41" | -00°32'54" | 00°01'01"  | 30.312 |
| 10/12/2011 00:00:00 | ♇ | 06°32'48" ♃ | -19°19'15" | 03°57'31"  | 00°02'03"  | 33.069 |
| 10/12/2011 00:00:00 | ♈ | 14°17'56" ♄ | -22°30'47" | 00°00'00"  | 00°00'03"  | 0.003  |
| 10/12/2011 00:00:00 | ♉ | 01°03'52" ♃ | -05°50'08" | 05°37'08"  | 00°01'43"  | 17.236 |
| 10/12/2011 00:00:00 | ♊ | 29°14'53" ♄ | 14°36'14"  | 03°38'11"  | 00°06'41"  | 0.003  |
| 10/12/2011 00:00:00 | ♋ | 14°17'56" ♄ | -22°30'47" | 00°00'00"  | 00°00'03"  | 0.003  |
| 10/12/2011 00:00:00 | ♌ | 25°28'54" ♄ | 13°33'44"  | 03°59'15"  | 01°33'51"  | 0.003  |
| 10/12/2011 00:00:00 | ♍ | 21°28'07" ♄ | -04°03'33" | -13°23'08" | -00°00'19" | 96.028 |
| 10/12/2011 00:00:00 | ♎ | 22°22'16" ♄ | 06°41'52"  | -12°02'35" | -00°00'32" | 86.140 |
| 11/12/2011 00:00:00 | ☉ | 18°34'33" ♄ | -22°56'44" | 00°00'00"  | 01°00'57"  | 0.985  |
| 11/12/2011 00:00:00 | ☾ | 23°01'21" ♀ | 22°26'58"  | -00°48'16" | 12°24'49"  | 0.003  |

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|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 11/12/2011 00:00:00 | ♀ | 04°42'00" ♏ | -18°25'48" | 02°41'20"  | -00°33'38" | 0.747  |
| 11/12/2011 00:00:00 | ♀ | 17°56'04" ♏ | -23°54'12" | 01°40'58"  | 01°14'12"  | 1.402  |
| 11/12/2011 00:00:00 | ♂ | 13°25'30" ♏ | 08°44'16"  | 02°24'29"  | 00°23'03"  | 1.231  |
| 11/12/2011 00:00:00 | ♃ | 00°45'05" ♏ | 10°28'50"  | -01°20'13" | -00°03'04" | 4.255  |
| 11/12/2011 00:00:00 | ♅ | 26°40'06" ♏ | -08°05'40" | 02°20'45"  | 00°05'24"  | 10.262 |
| 11/12/2011 00:00:00 | ♁ | 00°38'31" ♏ | -00°25'15" | -00°44'14" | 00°00'02"  | 19.848 |
| 11/12/2011 00:00:00 | ♆ | 28°24'49" ♏ | -12°32'19" | -00°32'54" | 00°01'03"  | 30.328 |
| 11/12/2011 00:00:00 | ♁ | 06°34'52" ♏ | -19°19'17" | 03°57'23"  | 00°02'03"  | 33.075 |
| 11/12/2011 00:00:00 | ♁ | 14°17'53" ♏ | -22°30'47" | 00°00'00"  | -00°00'09" | 0.003  |
| 11/12/2011 00:00:00 | ♃ | 01°05'36" ♏ | -05°49'52" | 05°36'46"  | 00°01'46"  | 17.253 |
| 11/12/2011 00:00:00 | ♁ | 29°21'35" ♏ | 14°38'02"  | 03°37'34"  | 00°06'41"  | 0.003  |
| 11/12/2011 00:00:00 | ♁ | 14°17'53" ♏ | -22°30'47" | 00°00'00"  | -00°00'09" | 0.003  |
| 11/12/2011 00:00:00 | ♁ | 27°40'21" ♏ | 14°14'08"  | 03°51'01"  | 02°52'18"  | 0.003  |
| 11/12/2011 00:00:00 | X | 21°27'49" ♏ | -04°03'31" | -13°22'59" | -00°00'18" | 96.042 |
| 11/12/2011 00:00:00 | Y | 22°21'44" ♏ | 06°41'47"  | -12°02'32" | -00°00'32" | 86.147 |
| 12/12/2011 00:00:00 | ♁ | 19°35'31" ♏ | -23°01'43" | 00°00'00"  | 01°00'58"  | 0.985  |
| 12/12/2011 00:00:00 | ♁ | 05°32'08" ♏ | 21°24'06"  | -01°55'14" | 12°36'53"  | 0.003  |
| 12/12/2011 00:00:00 | ♀ | 04°14'02" ♏ | -18°16'14" | 02°45'56"  | -00°22'18" | 0.766  |
| 12/12/2011 00:00:00 | ♀ | 19°10'17" ♏ | -23°45'06" | 01°42'09"  | 01°14'11"  | 1.397  |

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|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 12/12/2011 00:00:00 | ♂ | 13°48'24" ♉ | 08°36'44"  | 02°25'53"  | 00°22'44"  | 1.222  |
| 12/12/2011 00:00:00 | ♃ | 00°42'06" ♉ | 10°28'05"  | -01°19'55" | -00°02'52" | 4.267  |
| 12/12/2011 00:00:00 | ♃ | 26°45'28" ♉ | -08°07'25" | 02°20'57"  | 00°05'20"  | 10.249 |
| 12/12/2011 00:00:00 | ♃ | 00°38'35" ♉ | -00°25'12" | -00°44'11" | 00°00'05"  | 19.865 |
| 12/12/2011 00:00:00 | ♃ | 28°25'53" ♉ | -12°31'57" | -00°32'53" | 00°01'04"  | 30.344 |
| 12/12/2011 00:00:00 | ♃ | 06°36'56" ♉ | -19°19'20" | 03°57'14"  | 00°02'04"  | 33.081 |
| 12/12/2011 00:00:00 | ♁ | 14°17'35" ♉ | -22°30'45" | 00°00'00"  | -00°00'27" | 0.003  |
| 12/12/2011 00:00:00 | ♃ | 01°07'25" ♉ | -05°49'35" | 05°36'24"  | 00°01'49"  | 17.271 |
| 12/12/2011 00:00:00 | ♃ | 29°28'16" ♉ | 14°39'51"  | 03°36'56"  | 00°06'41"  | 0.003  |
| 12/12/2011 00:00:00 | ♁ | 14°17'35" ♉ | -22°30'45" | 00°00'00"  | -00°00'27" | 0.003  |
| 12/12/2011 00:00:00 | ♃ | 01°16'34" ♉ | 15°18'06"  | 03°36'48"  | 04°19'40"  | 0.003  |
| 12/12/2011 00:00:00 | X | 21°27'30" ♉ | -04°03'29" | -13°22'49" | -00°00'18" | 96.056 |
| 12/12/2011 00:00:00 | Y | 22°21'12" ♉ | 06°41'43"  | -12°02'28" | -00°00'32" | 86.154 |
| 13/12/2011 00:00:00 | ♁ | 20°36'29" ♉ | -23°06'15" | 00°00'00"  | 01°00'59"  | 0.985  |
| 13/12/2011 00:00:00 | ♁ | 18°15'23" ♉ | 19°15'31"  | -02°57'35" | 12°49'41"  | 0.003  |
| 13/12/2011 00:00:00 | ♃ | 03°57'17" ♉ | -18°10'34" | 02°48'34"  | -00°11'15" | 0.787  |
| 13/12/2011 00:00:00 | ♀ | 20°24'28" ♉ | -23°35'18" | 01°43'16"  | 01°14'10"  | 1.392  |
| 13/12/2011 00:00:00 | ♂ | 14°10'59" ♉ | 08°29'18"  | 02°27'18"  | 00°22'24"  | 1.213  |
| 13/12/2011 00:00:00 | ♃ | 00°39'20" ♉ | 10°27'23"  | -01°19'38" | -00°02'40" | 4.279  |



Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 13/12/2011 00:00:00 | ♃  | 26°50'47" ♁ | -08°09'09" | 02°21'08"  | 00°05'16"  | 10.236 |
| 13/12/2011 00:00:00 | ♅  | 00°38'42" ♀ | -00°25'07" | -00°44'09" | 00°00'08"  | 19.882 |
| 13/12/2011 00:00:00 | ♆  | 28°26'59" ♁ | -12°31'33" | -00°32'53" | 00°01'06"  | 30.361 |
| 13/12/2011 00:00:00 | ♁  | 06°39'00" ♁ | -19°19'21" | 03°57'07"  | 00°02'04"  | 33.086 |
| 13/12/2011 00:00:00 | ♄  | 14°16'58" ♁ | -22°30'41" | 00°00'00"  | -00°00'46" | 0.002  |
| 13/12/2011 00:00:00 | ♂  | 01°09'16" ♀ | -05°49'16" | 05°36'03"  | 00°01'52"  | 17.288 |
| 13/12/2011 00:00:00 | ♁  | 29°34'57" ♀ | 14°41'38"  | 03°36'18"  | 00°06'41"  | 0.003  |
| 13/12/2011 00:00:00 | T♄ | 14°16'58" ♁ | -22°30'41" | 00°00'00"  | -00°00'46" | 0.002  |
| 13/12/2011 00:00:00 | T♁ | 06°14'32" ♀ | 16°40'40"  | 03°15'48"  | 05°31'35"  | 0.003  |
| 13/12/2011 00:00:00 | X  | 21°27'12" ♀ | -04°03'27" | -13°22'40" | -00°00'17" | 96.070 |
| 13/12/2011 00:00:00 | Y  | 22°20'40" ♀ | 06°41'40"  | -12°02'24" | -00°00'31" | 86.161 |
| 14/12/2011 00:00:00 | ♁  | 21°37'29" ♁ | -23°10'20" | -00°00'00" | 01°01'00"  | 0.984  |
| 14/12/2011 00:00:00 | ♂  | 01°11'43" ♁ | 16°07'00"  | -03°51'56" | 13°03'02"  | 0.003  |
| 14/12/2011 00:00:00 | ♁  | 03°51'21" ♁ | -18°08'37" | 02°49'27"  | -00°00'43" | 0.808  |
| 14/12/2011 00:00:00 | ♁  | 21°38'37" ♁ | -23°24'48" | -01°44'18" | 01°14'09"  | 1.387  |
| 14/12/2011 00:00:00 | ♁  | 14°33'13" ♁ | 08°22'01"  | 02°28'43"  | 00°22'04"  | 1.204  |
| 14/12/2011 00:00:00 | ♁  | 00°36'45" ♀ | 10°26'46"  | -01°19'20" | -00°02'28" | 4.291  |
| 14/12/2011 00:00:00 | ♃  | 26°56'01" ♁ | -08°10'50" | 02°21'20"  | 00°05'12"  | 10.222 |
| 14/12/2011 00:00:00 | ♅  | 00°38'52" ♀ | -00°25'00" | -00°44'06" | 00°00'11"  | 19.899 |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 14/12/2011 00:00:00 | ♁  | 28°28'06" ♁ | -12°31'09" | -00°32'53" | 00°01'08"  | 30.376 |
| 14/12/2011 00:00:00 | ♁  | 06°41'05" ♁ | -19°19'23" | 03°56'59"  | 00°02'05"  | 33.091 |
| 14/12/2011 00:00:00 | ♁  | 14°16'04" ♁ | -22°30'34" | 00°00'00"  | -00°01'00" | 0.002  |
| 14/12/2011 00:00:00 | ♁  | 01°11'11" ♁ | -05°48'57" | 05°35'41"  | 00°01'56"  | 17.305 |
| 14/12/2011 00:00:00 | ♁  | 29°41'38" ♁ | 14°43'26"  | 03°35'40"  | 00°06'41"  | 0.003  |
| 14/12/2011 00:00:00 | T♁ | 14°16'04" ♁ | -22°30'34" | 00°00'00"  | -00°01'00" | 0.002  |
| 14/12/2011 00:00:00 | T♁ | 12°06'58" ♁ | 18°09'04"  | 02°49'05"  | 06°05'27"  | 0.003  |
| 14/12/2011 00:00:00 | X  | 21°26'55" ♁ | -04°03'25" | -13°22'31" | -00°00'16" | 96.085 |
| 14/12/2011 00:00:00 | Y  | 22°20'08" ♁ | 06°41'36"  | -12°02'20" | -00°00'31" | 86.168 |
| 15/12/2011 00:00:00 | ♁  | 22°38'29" ♁ | -23°13'57" | -00°00'00" | 01°01'00"  | 0.984  |
| 15/12/2011 00:00:00 | ♁  | 14°21'37" ♁ | 12°07'46"  | -04°35'03" | 13°16'50"  | 0.003  |
| 15/12/2011 00:00:00 | ♁  | 03°55'36" ♁ | -18°10'05" | 02°48'46"  | 00°09'06"  | 0.831  |
| 15/12/2011 00:00:00 | ♁  | 22°52'46" ♁ | -23°13'36" | -01°45'17" | 01°14'07"  | 1.382  |
| 15/12/2011 00:00:00 | ♁  | 14°55'07" ♁ | 08°14'51"  | 02°30'09"  | 00°21'43"  | 1.194  |
| 15/12/2011 00:00:00 | ♁  | 00°34'22" ♁ | 10°26'14"  | -01°19'02" | -00°02'16" | 4.304  |
| 15/12/2011 00:00:00 | ♁  | 27°01'11" ♁ | -08°12'31" | 02°21'31"  | 00°05'08"  | 10.208 |
| 15/12/2011 00:00:00 | ♁  | 00°39'05" ♁ | -00°24'53" | -00°44'04" | 00°00'14"  | 19.916 |
| 15/12/2011 00:00:00 | ♁  | 28°29'16" ♁ | -12°30'45" | -00°32'52" | 00°01'10"  | 30.392 |
| 15/12/2011 00:00:00 | ♁  | 06°43'10" ♁ | -19°19'25" | 03°56'51"  | 00°02'05"  | 33.096 |

Ephemerides year 2011

|                     |    |              |            |            |            |        |
|---------------------|----|--------------|------------|------------|------------|--------|
| 15/12/2011 00:00:00 | ♏  | 14°15'01" ♀r | -22°30'27" | 00°00'00"  | -00°01'04" | 0.002  |
| 15/12/2011 00:00:00 | ♋  | 01°13'08" ♀  | -05°48'36" | 05°35'19"  | 00°01'59"  | 17.323 |
| 15/12/2011 00:00:00 | ♏  | 29°48'19" ♀  | 14°45'13"  | 03°35'02"  | 00°06'41"  | 0.003  |
| 15/12/2011 00:00:00 | T♏ | 14°15'01" ♀r | -22°30'27" | 00°00'00"  | -00°01'04" | 0.002  |
| 15/12/2011 00:00:00 | T♏ | 18°08'12" ♂  | 19°28'05"  | 02°19'51"  | 05°48'02"  | 0.003  |
| 15/12/2011 00:00:00 | X  | 21°26'39" ♀r | -04°03'22" | -13°22'21" | -00°00'16" | 96.100 |
| 15/12/2011 00:00:00 | Y  | 22°19'37" ♂r | 06°41'33"  | -12°02'15" | -00°00'31" | 86.176 |
| 16/12/2011 00:00:00 | ♏  | 23°39'31" ♀  | -23°17'06" | -00°00'00" | 01°01'01"  | 0.984  |
| 16/12/2011 00:00:00 | ♏  | 27°45'30" ♀  | 07°29'17"  | -05°04'02" | 13°30'57"  | 0.003  |
| 16/12/2011 00:00:00 | ♏  | 04°09'18" ♀  | -18°14'36" | 02°46'43"  | 00°18'08"  | 0.853  |
| 16/12/2011 00:00:00 | ♏  | 24°06'53" ♀  | -23°01'42" | -01°46'11" | 01°14'06"  | 1.377  |
| 16/12/2011 00:00:00 | ♏  | 15°16'40" ♀  | 08°07'49"  | 02°31'36"  | 00°21'22"  | 1.185  |
| 16/12/2011 00:00:00 | ♏  | 00°32'12" ♂r | 10°25'45"  | -01°18'44" | -00°02'04" | 4.317  |
| 16/12/2011 00:00:00 | ♏  | 27°06'17" ♀  | -08°14'09" | 02°21'43"  | 00°05'03"  | 10.195 |
| 16/12/2011 00:00:00 | ♏  | 00°39'21" ♀  | -00°24'44" | -00°44'02" | 00°00'17"  | 19.933 |
| 16/12/2011 00:00:00 | ♏  | 28°30'27" ♀  | -12°30'20" | -00°32'52" | 00°01'12"  | 30.408 |
| 16/12/2011 00:00:00 | ♏  | 06°45'16" ♀  | -19°19'26" | 03°56'44"  | 00°02'05"  | 33.101 |
| 16/12/2011 00:00:00 | ♏  | 14°13'59" ♀r | -22°30'20" | 00°00'00"  | -00°00'55" | 0.002  |
| 16/12/2011 00:00:00 | ♏  | 01°15'09" ♀  | -05°48'14" | 05°34'58"  | 00°02'02"  | 17.340 |

Ephemerides year 2011

|                     |   |           |    |            |            |            |        |
|---------------------|---|-----------|----|------------|------------|------------|--------|
| 16/12/2011 00:00:00 | ☾ | 29°55'00" | ♏  | 14°47'00"  | 03°34'24"  | 00°06'40"  | 0.003  |
| 16/12/2011 00:00:00 | ♁ | 14°13'59" | ♏r | -22°30'20" | 00°00'00"  | -00°00'55" | 0.002  |
| 16/12/2011 00:00:00 | ♁ | 23°25'49" | ♏  | 20°26'58"  | 01°52'51"  | 04°39'23"  | 0.003  |
| 16/12/2011 00:00:00 | X | 21°26'23" | ♏r | -04°03'19" | -13°22'12" | -00°00'15" | 96.115 |
| 16/12/2011 00:00:00 | Y | 22°19'06" | ♏r | 06°41'30"  | -12°02'11" | -00°00'30" | 86.184 |
| 17/12/2011 00:00:00 | ☉ | 24°40'33" | ♏  | -23°19'47" | -00°00'00" | 01°01'02"  | 0.984  |
| 17/12/2011 00:00:00 | ☾ | 11°23'35" | ♏  | 02°24'24"  | -05°16'35" | 13°45'12"  | 0.003  |
| 17/12/2011 00:00:00 | ♀ | 04°31'36" | ♏  | -18°21'48" | 02°43'30"  | 00°26'20"  | 0.876  |
| 17/12/2011 00:00:00 | ♀ | 25°20'59" | ♏  | -22°49'08" | -01°47'00" | 01°14'05"  | 1.372  |
| 17/12/2011 00:00:00 | ♂ | 15°37'52" | ♏  | 08°00'56"  | 02°33'03"  | 00°21'00"  | 1.176  |
| 17/12/2011 00:00:00 | ♃ | 00°30'14" | ♏r | 10°25'21"  | -01°18'25" | -00°01'52" | 4.330  |
| 17/12/2011 00:00:00 | ♄ | 27°11'19" | ♏  | -08°15'45" | 02°21'55"  | 00°04'59"  | 10.181 |
| 17/12/2011 00:00:00 | ♅ | 00°39'40" | ♏  | -00°24'35" | -00°43'59" | 00°00'20"  | 19.951 |
| 17/12/2011 00:00:00 | ♆ | 28°31'40" | ♏  | -12°29'54" | -00°32'51" | 00°01'13"  | 30.424 |
| 17/12/2011 00:00:00 | ♇ | 06°47'22" | ♏  | -19°19'27" | 03°56'36"  | 00°02'06"  | 33.105 |
| 17/12/2011 00:00:00 | ♁ | 14°13'14" | ♏r | -22°30'14" | 00°00'00"  | -00°00'33" | 0.002  |
| 17/12/2011 00:00:00 | ♂ | 01°17'13" | ♏  | -05°47'50" | 05°34'37"  | 00°02'05"  | 17.356 |
| 17/12/2011 00:00:00 | ☾ | 00°01'41" | ♏  | 14°48'47"  | 03°33'46"  | 00°06'40"  | 0.003  |
| 17/12/2011 00:00:00 | ♁ | 14°13'14" | ♏r | -22°30'14" | 00°00'00"  | -00°00'33" | 0.002  |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 17/12/2011 00:00:00 | T♄ | 27°14'16" ♂ | 21°02'45"  | 01°32'49"  | 02°53'00"  | 0.003  |
| 17/12/2011 00:00:00 | X  | 21°26'07" ♀ | -04°03'15" | -13°22'02" | -00°00'15" | 96.130 |
| 17/12/2011 00:00:00 | Y  | 22°18'36" ♂ | 06°41'27"  | -12°02'07" | -00°00'30" | 86.192 |
| 18/12/2011 00:00:00 | ☉  | 25°41'36" ♂ | -23°22'00" | -00°00'00" | 01°01'03"  | 0.984  |
| 18/12/2011 00:00:00 | ☾  | 25°15'51" ♀ | -02°52'43" | -05°11'07" | 13°59'12"  | 0.002  |
| 18/12/2011 00:00:00 | ♀  | 05°01'42" ♂ | -18°31'20" | 02°39'17"  | 00°33'43"  | 0.900  |
| 18/12/2011 00:00:00 | ♀  | 26°35'03" ♀ | -22°35'54" | -01°47'45" | 01°14'03"  | 1.367  |
| 18/12/2011 00:00:00 | ♂  | 15°58'42" ♀ | 07°54'11"  | 02°34'32"  | 00°20'38"  | 1.167  |
| 18/12/2011 00:00:00 | ♃  | 00°28'28" ♂ | 10°25'01"  | -01°18'07" | -00°01'39" | 4.343  |
| 18/12/2011 00:00:00 | ♄  | 27°16'16" ♀ | -08°17'20" | 02°22'07"  | 00°04'55"  | 10.167 |
| 18/12/2011 00:00:00 | ♅  | 00°40'02" ♀ | -00°24'24" | -00°43'57" | 00°00'23"  | 19.968 |
| 18/12/2011 00:00:00 | ♆  | 28°32'55" ♀ | -12°29'28" | -00°32'51" | 00°01'15"  | 30.439 |
| 18/12/2011 00:00:00 | ♁  | 06°49'29" ♀ | -19°19'28" | 03°56'29"  | 00°02'06"  | 33.109 |
| 18/12/2011 00:00:00 | ♂  | 14°12'56" ♂ | -22°30'12" | 00°00'00"  | -00°00'01" | 0.002  |
| 18/12/2011 00:00:00 | ♁  | 01°19'20" ♀ | -05°47'26" | 05°34'16"  | 00°02'08"  | 17.373 |
| 18/12/2011 00:00:00 | ♁  | 00°08'22" ♂ | 14°50'34"  | 03°33'07"  | 00°06'40"  | 0.003  |
| 18/12/2011 00:00:00 | T♁ | 14°12'56" ♂ | -22°30'12" | 00°00'00"  | -00°00'01" | 0.002  |
| 18/12/2011 00:00:00 | T♄ | 29°07'43" ♂ | 21°18'25"  | 01°22'43"  | 00°54'30"  | 0.003  |
| 18/12/2011 00:00:00 | X  | 21°25'52" ♀ | -04°03'12" | -13°21'53" | -00°00'14" | 96.145 |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 18/12/2011 00:00:00 | Y  | 22°18'05" ♂ | 06°41'24"  | -12°02'02" | -00°00'29" | 86.201 |
| 19/12/2011 00:00:00 | ☉  | 26°42'41" ♀ | -23°23'45" | -00°00'00" | 01°01'04"  | 0.984  |
| 19/12/2011 00:00:00 | ☾  | 09°21'41" ♄ | -08°06'21" | -04°47'05" | 14°12'15"  | 0.002  |
| 19/12/2011 00:00:00 | ♀  | 05°38'47" ♀ | -18°42'48" | 02°34'13"  | 00°40'19"  | 0.923  |
| 19/12/2011 00:00:00 | ♀  | 27°49'07" ♄ | -22°22'00" | -01°48'26" | 01°14'02"  | 1.362  |
| 19/12/2011 00:00:00 | ♂  | 16°19'09" ♃ | 07°47'35"  | 02°36'01"  | 00°20'15"  | 1.158  |
| 19/12/2011 00:00:00 | ♃  | 00°26'54" ♂ | 10°24'46"  | -01°17'49" | -00°01'27" | 4.357  |
| 19/12/2011 00:00:00 | ♅  | 27°21'09" ♄ | -08°18'53" | 02°22'20"  | 00°04'50"  | 10.152 |
| 19/12/2011 00:00:00 | ♁  | 00°40'27" ♀ | -00°24'11" | -00°43'54" | 00°00'26"  | 19.985 |
| 19/12/2011 00:00:00 | ♃  | 28°34'11" ♄ | -12°29'01" | -00°32'51" | 00°01'17"  | 30.454 |
| 19/12/2011 00:00:00 | ♁  | 06°51'36" ♄ | -19°19'29" | 03°56'22"  | 00°02'07"  | 33.113 |
| 19/12/2011 00:00:00 | ♁  | 14°13'12" ♀ | -22°30'14" | 00°00'00"  | 00°00'33"  | 0.002  |
| 19/12/2011 00:00:00 | ♃  | 01°21'30" ♃ | -05°47'00" | 05°33'55"  | 00°02'11"  | 17.390 |
| 19/12/2011 00:00:00 | ♁  | 00°15'03" ♂ | 14°52'20"  | 03°32'29"  | 00°06'40"  | 0.003  |
| 19/12/2011 00:00:00 | T♁ | 14°13'12" ♀ | -22°30'14" | 00°00'00"  | 00°00'33"  | 0.002  |
| 19/12/2011 00:00:00 | T♁ | 29°10'17" ♂ | 21°18'46"  | 01°22'30"  | -00°43'15" | 0.003  |
| 19/12/2011 00:00:00 | X  | 21°25'38" ♀ | -04°03'08" | -13°21'43" | -00°00'14" | 96.160 |
| 19/12/2011 00:00:00 | Y  | 22°17'36" ♂ | 06°41'22"  | -12°01'57" | -00°00'29" | 86.209 |
| 20/12/2011 00:00:00 | ☉  | 27°43'46" ♀ | -23°25'02" | -00°00'00" | 01°01'05"  | 0.984  |

Ephemerides year 2011

|                     |   |           |   |            |            |            |        |
|---------------------|---|-----------|---|------------|------------|------------|--------|
| 20/12/2011 00:00:00 | ♃ | 23°39'42" | ♈ | -12°58'40" | -04°05'04" | 14°23'22"  | 0.002  |
| 20/12/2011 00:00:00 | ♆ | 06°22'06" | ♄ | -18°55'53" | 02°28'26"  | 00°46'10"  | 0.946  |
| 20/12/2011 00:00:00 | ♀ | 29°03'08" | ♌ | -22°07'26" | -01°49'02" | 01°14'01"  | 1.357  |
| 20/12/2011 00:00:00 | ♂ | 16°39'13" | ♍ | 07°41'08"  | 02°37'31"  | 00°19'52"  | 1.148  |
| 20/12/2011 00:00:00 | ♃ | 00°25'33" | ♈ | 10°24'35"  | -01°17'30" | -00°01'14" | 4.370  |
| 20/12/2011 00:00:00 | ♅ | 27°25'57" | ♍ | -08°20'24" | 02°22'32"  | 00°04'46"  | 10.138 |
| 20/12/2011 00:00:00 | ♁ | 00°40'55" | ♋ | -00°23'58" | -00°43'52" | 00°00'29"  | 20.002 |
| 20/12/2011 00:00:00 | ♆ | 28°35'29" | ♄ | -12°28'33" | -00°32'50" | 00°01'19"  | 30.470 |
| 20/12/2011 00:00:00 | ♁ | 06°53'43" | ♋ | -19°19'30" | 03°56'15"  | 00°02'07"  | 33.116 |
| 20/12/2011 00:00:00 | ♁ | 14°14'00" | ♋ | -22°30'20" | 00°00'00"  | 00°01'00"  | 0.002  |
| 20/12/2011 00:00:00 | ♅ | 01°23'43" | ♍ | -05°46'32" | 05°33'34"  | 00°02'14"  | 17.406 |
| 20/12/2011 00:00:00 | ♁ | 00°21'44" | ♋ | 14°54'06"  | 03°31'50"  | 00°06'40"  | 0.003  |
| 20/12/2011 00:00:00 | ♁ | 14°14'00" | ♋ | -22°30'20" | 00°00'00"  | 00°01'00"  | 0.002  |
| 20/12/2011 00:00:00 | ♁ | 27°56'48" | ♈ | 21°08'51"  | 01°29'06"  | -01°35'11" | 0.003  |
| 20/12/2011 00:00:00 | X | 21°25'24" | ♈ | -04°03'04" | -13°21'33" | -00°00'13" | 96.175 |
| 20/12/2011 00:00:00 | Y | 22°17'06" | ♈ | 06°41'19"  | -12°01'52" | -00°00'29" | 86.218 |
| 21/12/2011 00:00:00 | ♁ | 28°44'52" | ♋ | -23°25'51" | 00°00'00"  | 01°01'06"  | 0.984  |
| 21/12/2011 00:00:00 | ♃ | 08°07'23" | ♈ | -17°09'49" | -03°07'08" | 14°31'21"  | 0.002  |
| 21/12/2011 00:00:00 | ♆ | 07°10'55" | ♄ | -19°10'15" | 02°22'05"  | 00°51'21"  | 0.968  |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 21/12/2011 00:00:00 | ♀  | 00°17'09" ♁ | -21°52'14" | -01°49'33" | 01°13'59"  | 1.351  |
| 21/12/2011 00:00:00 | ♂  | 16°58'54" ♃ | 07°34'51"  | 02°39'01"  | 00°19'28"  | 1.139  |
| 21/12/2011 00:00:00 | ♃  | 00°24'25" ♂ | 10°24'28"  | -01°17'12" | -00°01'02" | 4.384  |
| 21/12/2011 00:00:00 | ♅  | 27°30'41" ♄ | -08°21'54" | 02°22'45"  | 00°04'41"  | 10.124 |
| 21/12/2011 00:00:00 | ♁  | 00°41'27" ♀ | -00°23'43" | -00°43'49" | 00°00'33"  | 20.019 |
| 21/12/2011 00:00:00 | ♃  | 28°36'50" ♁ | -12°28'05" | -00°32'50" | 00°01'20"  | 30.485 |
| 21/12/2011 00:00:00 | ♁  | 06°55'51" ♂ | -19°19'30" | 03°56'08"  | 00°02'07"  | 33.119 |
| 21/12/2011 00:00:00 | ♁  | 14°15'07" ♂ | -22°30'28" | 00°00'00"  | 00°01'11"  | 0.002  |
| 21/12/2011 00:00:00 | ♃  | 01°25'59" ♃ | -05°46'04" | 05°33'14"  | 00°02'17"  | 17.423 |
| 21/12/2011 00:00:00 | ♁  | 00°28'25" ♂ | 14°55'52"  | 03°31'11"  | 00°06'40"  | 0.003  |
| 21/12/2011 00:00:00 | T♁ | 14°15'07" ♂ | -22°30'28" | 00°00'00"  | 00°01'11"  | 0.002  |
| 21/12/2011 00:00:00 | T♁ | 26°15'18" ♂ | 20°54'09"  | 01°38'08"  | -01°41'47" | 0.003  |
| 21/12/2011 00:00:00 | X  | 21°25'11" ♀ | -04°03'00" | -13°21'23" | -00°00'12" | 96.191 |
| 21/12/2011 00:00:00 | Y  | 22°16'37" ♂ | 06°41'17"  | -12°01'47" | -00°00'28" | 86.228 |
| 22/12/2011 00:00:00 | ♁  | 29°45'59" ♂ | -23°26'11" | 00°00'00"  | 01°01'07"  | 0.984  |
| 22/12/2011 00:00:00 | ♃  | 22°40'56" ♃ | -20°19'19" | -01°56'46" | 14°34'55"  | 0.002  |
| 22/12/2011 00:00:00 | ♁  | 08°04'37" ♂ | -19°25'37" | 02°15'14"  | 00°55'55"  | 0.991  |
| 22/12/2011 00:00:00 | ♀  | 01°31'08" ♁ | -21°36'25" | -01°50'00" | 01°13'58"  | 1.346  |
| 22/12/2011 00:00:00 | ♂  | 17°18'11" ♃ | 07°28'43"  | 02°40'33"  | 00°19'04"  | 1.130  |



Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 22/12/2011 00:00:00 | ♃ | 00°23'29" ♂ | 10°24'26"  | -01°16'53" | -00°00'49" | 4.398  |
| 22/12/2011 00:00:00 | ♅ | 27°35'20" ♀ | -08°23'21" | 02°22'58"  | 00°04'36"  | 10.109 |
| 22/12/2011 00:00:00 | ♆ | 00°42'01" ♀ | -00°23'27" | -00°43'47" | 00°00'36"  | 20.037 |
| 22/12/2011 00:00:00 | ♁ | 28°38'11" ♀ | -12°27'36" | -00°32'50" | 00°01'22"  | 30.500 |
| 22/12/2011 00:00:00 | ♂ | 06°57'58" ♂ | -19°19'30" | 03°56'01"  | 00°02'08"  | 33.122 |
| 22/12/2011 00:00:00 | ♄ | 14°16'15" ♂ | -22°30'35" | 00°00'00"  | 00°00'59"  | 0.002  |
| 22/12/2011 00:00:00 | ♆ | 01°28'19" ♀ | -05°45'34" | 05°32'54"  | 00°02'20"  | 17.439 |
| 22/12/2011 00:00:00 | ♁ | 00°35'06" ♂ | 14°57'38"  | 03°30'33"  | 00°06'41"  | 0.003  |
| 22/12/2011 00:00:00 | ♄ | 14°16'15" ♂ | -22°30'35" | 00°00'00"  | 00°00'59"  | 0.002  |
| 22/12/2011 00:00:00 | ♁ | 24°40'18" ♂ | 20°39'20"  | 01°46'28"  | -01°27'07" | 0.003  |
| 22/12/2011 00:00:00 | X | 21°24'59" ♀ | -04°02'55" | -13°21'13" | -00°00'12" | 96.206 |
| 22/12/2011 00:00:00 | Y | 22°16'09" ♂ | 06°41'15"  | -12°01'42" | -00°00'28" | 86.237 |
| 23/12/2011 00:00:00 | ♁ | 00°47'07" ♂ | -23°26'03" | 00°00'00"  | 01°01'08"  | 0.984  |
| 23/12/2011 00:00:00 | ♂ | 07°15'25" ♂ | -22°09'25" | -00°38'48" | 14°33'04"  | 0.002  |
| 23/12/2011 00:00:00 | ♁ | 09°02'36" ♂ | -19°41'42" | 02°08'00"  | 00°59'57"  | 1.012  |
| 23/12/2011 00:00:00 | ♁ | 02°45'06" ♀ | -21°19'57" | -01°50'21" | 01°13'57"  | 1.341  |
| 23/12/2011 00:00:00 | ♂ | 17°37'03" ♀ | 07°22'45"  | 02°42'05"  | 00°18'39"  | 1.121  |
| 23/12/2011 00:00:00 | ♃ | 00°22'46" ♂ | 10°24'29"  | -01°16'35" | -00°00'36" | 4.411  |
| 23/12/2011 00:00:00 | ♅ | 27°39'55" ♀ | -08°24'47" | 02°23'10"  | 00°04'32"  | 10.094 |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 23/12/2011 00:00:00 | ♃  | 00°42'39" ♀ | -00°23'10" | -00°43'44" | 00°00'39"  | 20.054 |
| 23/12/2011 00:00:00 | ♃  | 28°39'35" ♀ | -12°27'07" | -00°32'49" | 00°01'24"  | 30.514 |
| 23/12/2011 00:00:00 | ♃  | 07°00'07" ♀ | -19°19'30" | 03°55'54"  | 00°02'08"  | 33.125 |
| 23/12/2011 00:00:00 | ♃  | 14°16'59" ♀ | -22°30'41" | 00°00'00"  | 00°00'24"  | 0.002  |
| 23/12/2011 00:00:00 | ♃  | 01°30'41" ♀ | -05°45'03" | 05°32'34"  | 00°02'23"  | 17.455 |
| 23/12/2011 00:00:00 | ♃  | 00°41'47" ♀ | 14°59'23"  | 03°29'54"  | 00°06'41"  | 0.003  |
| 23/12/2011 00:00:00 | T♃ | 14°16'59" ♀ | -22°30'41" | 00°00'00"  | 00°00'24"  | 0.002  |
| 23/12/2011 00:00:00 | T♃ | 23°18'59" ♀ | 20°25'50"  | 01°53'28"  | -01°18'11" | 0.003  |
| 23/12/2011 00:00:00 | X  | 21°24'47" ♀ | -04°02'50" | -13°21'03" | -00°00'11" | 96.222 |
| 23/12/2011 00:00:00 | Y  | 22°15'41" ♀ | 06°41'14"  | -12°01'37" | -00°00'27" | 86.247 |
| 24/12/2011 00:00:00 | ♃  | 01°48'15" ♀ | -23°25'27" | 00°00'00"  | 01°01'08"  | 0.984  |
| 24/12/2011 00:00:00 | ♃  | 21°45'05" ♀ | -22°29'41" | 00°41'11"  | 14°25'15"  | 0.002  |
| 24/12/2011 00:00:00 | ♃  | 10°04'22" ♀ | -19°58'17" | 02°00'27"  | 01°03'29"  | 1.034  |
| 24/12/2011 00:00:00 | ♃  | 03°59'02" ♀ | -21°02'54" | -01°50'38" | 01°13'55"  | 1.336  |
| 24/12/2011 00:00:00 | ♃  | 17°55'30" ♀ | 07°16'58"  | 02°43'38"  | 00°18'13"  | 1.112  |
| 24/12/2011 00:00:00 | ♃  | 00°22'15" ♀ | 10°24'35"  | -01°16'16" | -00°00'24" | 4.426  |
| 24/12/2011 00:00:00 | ♃  | 27°44'24" ♀ | -08°26'10" | 02°23'24"  | 00°04'27"  | 10.079 |
| 24/12/2011 00:00:00 | ♃  | 00°43'20" ♀ | -00°22'51" | -00°43'42" | 00°00'42"  | 20.071 |
| 24/12/2011 00:00:00 | ♃  | 28°41'00" ♀ | -12°26'37" | -00°32'49" | 00°01'26"  | 30.529 |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 24/12/2011 00:00:00 | ♁ | 07°02'15" ♉ | -19°19'30" | 03°55'48"  | 00°02'08"  | 33.127 |
| 24/12/2011 00:00:00 | ♋ | 14°16'58" ♈ | -22°30'40" | 00°00'00"  | -00°00'29" | 0.002  |
| 24/12/2011 00:00:00 | ♊ | 01°33'06" ♉ | -05°44'31" | 05°32'14"  | 00°02'26"  | 17.471 |
| 24/12/2011 00:00:00 | ♌ | 00°48'28" ♈ | 15°01'08"  | 03°29'15"  | 00°06'41"  | 0.003  |
| 24/12/2011 00:00:00 | ♍ | 14°16'58" ♈ | -22°30'40" | 00°00'00"  | -00°00'29" | 0.002  |
| 24/12/2011 00:00:00 | ♎ | 21°56'45" ♈ | 20°11'21"  | 02°00'23"  | -01°30'15" | 0.003  |
| 24/12/2011 00:00:00 | ♏ | 21°24'36" ♈ | -04°02'45" | -13°20'53" | -00°00'10" | 96.238 |
| 24/12/2011 00:00:00 | ♐ | 22°15'14" ♈ | 06°41'12"  | -12°01'31" | -00°00'27" | 86.257 |
| 25/12/2011 00:00:00 | ♑ | 02°49'24" ♈ | -23°24'23" | 00°00'00"  | 01°01'09"  | 0.984  |
| 25/12/2011 00:00:00 | ♒ | 06°04'00" ♈ | -21°20'28" | 01°57'31"  | 14°11'41"  | 0.002  |
| 25/12/2011 00:00:00 | ♓ | 11°09'26" ♈ | -20°15'09" | 01°52'39"  | 01°06'36"  | 1.054  |
| 25/12/2011 00:00:00 | ♈ | 05°12'57" ♉ | -20°45'14" | -01°50'51" | 01°13'53"  | 1.330  |
| 25/12/2011 00:00:00 | ♉ | 18°13'31" ♉ | 07°11'20"  | 02°45'12"  | 00°17'47"  | 1.103  |
| 25/12/2011 00:00:00 | ♊ | 00°21'57" ♈ | 10°24'47"  | -01°15'57" | -00°00'11" | 4.440  |
| 25/12/2011 00:00:00 | ♋ | 27°48'49" ♈ | -08°27'32" | 02°23'37"  | 00°04'22"  | 10.064 |
| 25/12/2011 00:00:00 | ♌ | 00°44'04" ♈ | -00°22'32" | -00°43'39" | 00°00'45"  | 20.088 |
| 25/12/2011 00:00:00 | ♍ | 28°42'27" ♈ | -12°26'06" | -00°32'49" | 00°01'27"  | 30.543 |
| 25/12/2011 00:00:00 | ♎ | 07°04'24" ♈ | -19°19'30" | 03°55'41"  | 00°02'08"  | 33.129 |
| 25/12/2011 00:00:00 | ♏ | 14°15'57" ♈ | -22°30'33" | 00°00'00"  | -00°01'31" | 0.002  |

Ephemerides year 2011

|                     |   |             |            |            |            |        |
|---------------------|---|-------------|------------|------------|------------|--------|
| 25/12/2011 00:00:00 | ♄ | 01°35'34" ♈ | -05°43'58" | 05°31'54"  | 00°02'29"  | 17.487 |
| 25/12/2011 00:00:00 | ♁ | 00°55'09" ♉ | 15°02'53"  | 03°28'36"  | 00°06'41"  | 0.003  |
| 25/12/2011 00:00:00 | ♁ | 14°15'57" ♈ | -22°30'33" | 00°00'00"  | -00°01'31" | 0.002  |
| 25/12/2011 00:00:00 | ♁ | 20°11'03" ♈ | 19°51'39"  | 02°09'06"  | -02°04'10" | 0.003  |
| 25/12/2011 00:00:00 | X | 21°24'25" ♈ | -04°02'39" | -13°20'43" | -00°00'10" | 96.254 |
| 25/12/2011 00:00:00 | Y | 22°14'47" ♈ | 06°41'11"  | -12°01'26" | -00°00'26" | 86.267 |
| 26/12/2011 00:00:00 | ♁ | 03°50'33" ♈ | -23°22'50" | 00°00'00"  | 01°01'09"  | 0.984  |
| 26/12/2011 00:00:00 | ♁ | 20°06'52" ♈ | -18°52'37" | 03°05'10"  | 13°53'20"  | 0.003  |
| 26/12/2011 00:00:00 | ♁ | 12°17'27" ♈ | -20°32'07" | 01°44'39"  | 01°09'20"  | 1.075  |
| 26/12/2011 00:00:00 | ♁ | 06°26'50" ♈ | -20°26'59" | -01°50'58" | 01°13'51"  | 1.325  |
| 26/12/2011 00:00:00 | ♁ | 18°31'05" ♈ | 07°05'54"  | 02°46'46"  | 00°17'21"  | 1.094  |
| 26/12/2011 00:00:00 | ♁ | 00°21'52" ♈ | 10°25'02"  | -01°15'38" | 00°00'00"  | 4.454  |
| 26/12/2011 00:00:00 | ♁ | 27°53'09" ♈ | -08°28'52" | 02°23'50"  | 00°04'17"  | 10.049 |
| 26/12/2011 00:00:00 | ♁ | 00°44'51" ♈ | -00°22'11" | -00°43'37" | 00°00'48"  | 20.106 |
| 26/12/2011 00:00:00 | ♁ | 28°43'56" ♈ | -12°25'35" | -00°32'48" | 00°01'29"  | 30.558 |
| 26/12/2011 00:00:00 | ♁ | 07°06'32" ♈ | -19°19'29" | 03°55'35"  | 00°02'08"  | 33.130 |
| 26/12/2011 00:00:00 | ♁ | 14°13'55" ♈ | -22°30'19" | 00°00'00"  | -00°02'30" | 0.002  |
| 26/12/2011 00:00:00 | ♁ | 01°38'05" ♈ | -05°43'23" | 05°31'35"  | 00°02'32"  | 17.503 |
| 26/12/2011 00:00:00 | ♁ | 01°01'50" ♈ | 15°04'38"  | 03°27'56"  | 00°06'40"  | 0.003  |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 26/12/2011 00:00:00 | T♄ | 14°13'55" ♏ | -22°30'19" | 00°00'00"  | -00°02'30" | 0.002  |
| 26/12/2011 00:00:00 | T♄ | 17°44'45" ♏ | 19°22'31"  | 02°20'57"  | -02°48'47" | 0.003  |
| 26/12/2011 00:00:00 | X  | 21°24'16" ♏ | -04°02'33" | -13°20'33" | -00°00'09" | 96.270 |
| 26/12/2011 00:00:00 | Y  | 22°14'21" ♏ | 06°41'11"  | -12°01'20" | -00°00'26" | 86.277 |
| 27/12/2011 00:00:00 | ☉  | 04°51'42" ♏ | -23°20'50" | 00°00'00"  | 01°01'09"  | 0.983  |
| 27/12/2011 00:00:00 | ☾  | 03°49'38" ♏ | -15°23'48" | 04°00'21"  | 13°31'49"  | 0.003  |
| 27/12/2011 00:00:00 | ♀  | 13°28'01" ♏ | -20°49'00" | 01°36'32"  | 01°11'45"  | 1.094  |
| 27/12/2011 00:00:00 | ♀  | 07°40'41" ♏ | -20°08'10" | -01°51'00" | 01°13'49"  | 1.320  |
| 27/12/2011 00:00:00 | ♂  | 18°48'13" ♏ | 07°00'38"  | 02°48'21"  | 00°16'53"  | 1.085  |
| 27/12/2011 00:00:00 | ♃  | 00°21'59" ♏ | 10°25'23"  | -01°15'20" | 00°00'13"  | 4.469  |
| 27/12/2011 00:00:00 | ♅  | 27°57'24" ♏ | -08°30'10" | 02°24'04"  | 00°04'12"  | 10.034 |
| 27/12/2011 00:00:00 | ♁  | 00°45'41" ♏ | -00°21'48" | -00°43'35" | 00°00'51"  | 20.123 |
| 27/12/2011 00:00:00 | ♆  | 28°45'26" ♏ | -12°25'04" | -00°32'48" | 00°01'30"  | 30.572 |
| 27/12/2011 00:00:00 | ♁  | 07°08'41" ♏ | -19°19'29" | 03°55'29"  | 00°02'08"  | 33.132 |
| 27/12/2011 00:00:00 | ♁  | 14°11'02" ♏ | -22°29'59" | 00°00'00"  | -00°03'12" | 0.002  |
| 27/12/2011 00:00:00 | ♁  | 01°40'39" ♏ | -05°42'47" | 05°31'15"  | 00°02'35"  | 17.518 |
| 27/12/2011 00:00:00 | ♁  | 01°08'30" ♏ | 15°06'22"  | 03°27'17"  | 00°06'40"  | 0.003  |
| 27/12/2011 00:00:00 | T♄ | 14°11'02" ♏ | -22°29'59" | 00°00'00"  | -00°03'12" | 0.002  |
| 27/12/2011 00:00:00 | T♄ | 14°36'10" ♏ | 18°41'53"  | 02°35'51"  | -03°25'20" | 0.003  |

Ephemerides year 2011

|                     |    |           |            |            |            |        |
|---------------------|----|-----------|------------|------------|------------|--------|
| 27/12/2011 00:00:00 | X  | 21°24'07" | -04°02'27" | -13°20'23" | -00°00'08" | 96.286 |
| 27/12/2011 00:00:00 | Y  | 22°13'55" | 06°41'10"  | -12°01'14" | -00°00'25" | 86.288 |
| 28/12/2011 00:00:00 |    | 05°52'52" | -23°18'21" | 00°00'00"  | 01°01'09"  | 0.983  |
| 28/12/2011 00:00:00 |    | 17°10'05" | -11°13'25" | 04°40'47"  | 13°09'00"  | 0.003  |
| 28/12/2011 00:00:00 |    | 14°40'51" | -21°05'41" | 01°28'18"  | 01°13'52"  | 1.113  |
| 28/12/2011 00:00:00 |    | 08°54'29" | -19°48'46" | -01°50'58" | 01°13'47"  | 1.314  |
| 28/12/2011 00:00:00 |    | 19°04'53" | 06°55'33"  | 02°49'57"  | 00°16'26"  | 1.075  |
| 28/12/2011 00:00:00 |    | 00°22'19" | 10°25'47"  | -01°15'01" | 00°00'26"  | 4.483  |
| 28/12/2011 00:00:00 |    | 28°01'34" | -08°31'26" | 02°24'17"  | 00°04'07"  | 10.018 |
| 28/12/2011 00:00:00 |    | 00°46'34" | -00°21'25" | -00°43'32" | 00°00'54"  | 20.140 |
| 28/12/2011 00:00:00 |    | 28°46'58" | -12°24'31" | -00°32'48" | 00°01'32"  | 30.585 |
| 28/12/2011 00:00:00 |    | 07°10'50" | -19°19'28" | 03°55'23"  | 00°02'08"  | 33.133 |
| 28/12/2011 00:00:00 |    | 14°07'39" | -22°29'35" | 00°00'00"  | -00°03'28" | 0.002  |
| 28/12/2011 00:00:00 |    | 01°43'15" | -05°42'10" | 05°30'56"  | 00°02'37"  | 17.534 |
| 28/12/2011 00:00:00 |    | 01°15'11" | 15°08'06"  | 03°26'38"  | 00°06'40"  | 0.003  |
| 28/12/2011 00:00:00 | T♁ | 14°07'39" | -22°29'35" | 00°00'00"  | -00°03'28" | 0.002  |
| 28/12/2011 00:00:00 | T♁ | 11°02'44" | 17°51'56"  | 02°52'11"  | -03°36'20" | 0.003  |
| 28/12/2011 00:00:00 | X  | 21°23'58" | -04°02'21" | -13°20'13" | -00°00'08" | 96.302 |
| 28/12/2011 00:00:00 | Y  | 22°13'29" | 06°41'10"  | -12°01'08" | -00°00'25" | 86.299 |

Ephemerides year 2011

|                     |    |              |            |            |            |        |
|---------------------|----|--------------|------------|------------|------------|--------|
| 29/12/2011 00:00:00 | ☉  | 06°54'01" ♍  | -23°15'24" | 00°00'00"  | 01°01'09"  | 0.983  |
| 29/12/2011 00:00:00 | ☾  | 00°07'51" ♏  | -06°39'13" | 05°05'30"  | 12°46'47"  | 0.003  |
| 29/12/2011 00:00:00 | ♃  | 15°55'41" ♏  | -21°22'02" | 01°20'00"  | 01°15'45"  | 1.131  |
| 29/12/2011 00:00:00 | ♂  | 10°08'16" ♏  | -19°28'50" | -01°50'50" | 01°13'45"  | 1.309  |
| 29/12/2011 00:00:00 | ♂  | 19°21'05" ♏  | 06°50'40"  | 02°51'34"  | 00°15'57"  | 1.066  |
| 29/12/2011 00:00:00 | ♃  | 00°22'51" ♏  | 10°26'16"  | -01°14'42" | 00°00'38"  | 4.498  |
| 29/12/2011 00:00:00 | ♃  | 28°05'39" ♏  | -08°32'40" | 02°24'31"  | 00°04'02"  | 10.003 |
| 29/12/2011 00:00:00 | ♃  | 00°47'30" ♏  | -00°21'01" | -00°43'30" | 00°00'57"  | 20.157 |
| 29/12/2011 00:00:00 | ♃  | 28°48'31" ♏  | -12°23'59" | -00°32'48" | 00°01'33"  | 30.599 |
| 29/12/2011 00:00:00 | ♃  | 07°12'59" ♏  | -19°19'27" | 03°55'17"  | 00°02'08"  | 33.134 |
| 29/12/2011 00:00:00 | ♁  | 14°04'15" ♏r | -22°29'11" | 00°00'00"  | -00°03'14" | 0.002  |
| 29/12/2011 00:00:00 | ♃  | 01°45'55" ♏  | -05°41'32" | 05°30'37"  | 00°02'40"  | 17.549 |
| 29/12/2011 00:00:00 | ♃  | 01°21'52" ♏  | 15°09'50"  | 03°25'58"  | 00°06'40"  | 0.003  |
| 29/12/2011 00:00:00 | T♁ | 14°04'15" ♏r | -22°29'11" | 00°00'00"  | -00°03'14" | 0.002  |
| 29/12/2011 00:00:00 | T♃ | 07°33'57" ♏r | 16°59'15"  | 03°07'34"  | -03°16'31" | 0.003  |
| 29/12/2011 00:00:00 | X  | 21°23'50" ♏r | -04°02'14" | -13°20'03" | -00°00'07" | 96.318 |
| 29/12/2011 00:00:00 | Y  | 22°13'04" ♏r | 06°41'09"  | -12°01'02" | -00°00'24" | 86.310 |
| 30/12/2011 00:00:00 | ☉  | 07°55'11" ♍  | -23°11'59" | 00°00'00"  | 01°01'09"  | 0.983  |
| 30/12/2011 00:00:00 | ☾  | 12°44'26" ♏  | -01°55'44" | 05°14'37"  | 12°26'50"  | 0.003  |

Ephemerides year 2011

|                     |    |             |            |            |            |        |
|---------------------|----|-------------|------------|------------|------------|--------|
| 30/12/2011 00:00:00 | ♀  | 17°12'17" ♄ | -21°37'55" | 01°11'41"  | 01°17'25"  | 1.149  |
| 30/12/2011 00:00:00 | ♀  | 11°22'00" ♃ | -19°08'22" | -01°50'38" | 01°13'43"  | 1.303  |
| 30/12/2011 00:00:00 | ♂  | 19°36'48" ♃ | 06°45'58"  | 02°53'11"  | 00°15'29"  | 1.057  |
| 30/12/2011 00:00:00 | ♃  | 00°23'36" ♃ | 10°26'49"  | -01°14'23" | 00°00'51"  | 4.513  |
| 30/12/2011 00:00:00 | ♃  | 28°09'38" ♃ | -08°33'52" | 02°24'45"  | 00°03'56"  | 9.987  |
| 30/12/2011 00:00:00 | ♃  | 00°48'29" ♃ | -00°20'35" | -00°43'27" | 00°01'00"  | 20.174 |
| 30/12/2011 00:00:00 | ♃  | 28°50'06" ♃ | -12°23'26" | -00°32'47" | 00°01'35"  | 30.613 |
| 30/12/2011 00:00:00 | ♃  | 07°15'07" ♃ | -19°19'26" | 03°55'11"  | 00°02'08"  | 33.134 |
| 30/12/2011 00:00:00 | ♃  | 14°01'19" ♄ | -22°28'50" | 00°00'00"  | -00°02'32" | 0.002  |
| 30/12/2011 00:00:00 | ♃  | 01°48'36" ♃ | -05°40'53" | 05°30'19"  | 00°02'43"  | 17.564 |
| 30/12/2011 00:00:00 | ♃  | 01°28'33" ♃ | 15°11'34"  | 03°25'18"  | 00°06'40"  | 0.003  |
| 30/12/2011 00:00:00 | T♃ | 14°01'19" ♄ | -22°28'50" | 00°00'00"  | -00°02'32" | 0.002  |
| 30/12/2011 00:00:00 | T♃ | 04°36'46" ♃ | 16°11'45"  | 03°20'07"  | -02°35'40" | 0.003  |
| 30/12/2011 00:00:00 | X  | 21°23'43" ♃ | -04°02'07" | -13°19'52" | -00°00'07" | 96.335 |
| 30/12/2011 00:00:00 | Y  | 22°12'40" ♃ | 06°41'09"  | -12°00'56" | -00°00'24" | 86.321 |
| 31/12/2011 00:00:00 | ♃  | 08°56'20" ♃ | -23°08'06" | 00°00'00"  | 01°01'09"  | 0.983  |
| 31/12/2011 00:00:00 | ♃  | 25°02'45" ♃ | 02°45'29"  | 05°08'54"  | 12°10'27"  | 0.003  |
| 31/12/2011 00:00:00 | ♀  | 18°30'28" ♄ | -21°53'15" | 01°03'22"  | 01°18'54"  | 1.166  |
| 31/12/2011 00:00:00 | ♀  | 12°35'42" ♃ | -18°47'21" | -01°50'20" | 01°13'40"  | 1.298  |



Ephemerides year 2011

|                     |   |              |            |            |            |        |
|---------------------|---|--------------|------------|------------|------------|--------|
| 31/12/2011 00:00:00 | ♂ | 19°52'03" ♍  | 06°41'28"  | 02°54'49"  | 00°14'59"  | 1.048  |
| 31/12/2011 00:00:00 | ♃ | 00°24'34" ♏  | 10°27'27"  | -01°14'05" | 00°01'03"  | 4.528  |
| 31/12/2011 00:00:00 | ♅ | 28°13'32" ♁  | -08°35'02" | 02°24'59"  | 00°03'51"  | 9.972  |
| 31/12/2011 00:00:00 | ♁ | 00°49'31" ♏  | -00°20'08" | -00°43'25" | 00°01'03"  | 20.192 |
| 31/12/2011 00:00:00 | ♃ | 28°51'42" ♁  | -12°22'52" | -00°32'47" | 00°01'36"  | 30.626 |
| 31/12/2011 00:00:00 | ♁ | 07°17'16" ♁  | -19°19'25" | 03°55'05"  | 00°02'08"  | 33.134 |
| 31/12/2011 00:00:00 | ♁ | 13°59'17" ♁r | -22°28'36" | 00°00'00"  | -00°01'29" | 0.002  |
| 31/12/2011 00:00:00 | ♃ | 01°51'21" ♁  | -05°40'13" | 05°30'00"  | 00°02'45"  | 17.579 |
| 31/12/2011 00:00:00 | ♁ | 01°35'14" ♏  | 15°13'17"  | 03°24'39"  | 00°06'40"  | 0.003  |
| 31/12/2011 00:00:00 | ♁ | 13°59'17" ♁r | -22°28'36" | 00°00'00"  | -00°01'29" | 0.002  |
| 31/12/2011 00:00:00 | ♁ | 02°24'02" ♏r | 15°34'37"  | 03°29'13"  | -01°50'24" | 0.003  |
| 31/12/2011 00:00:00 | X | 21°23'36" ♏r | -04°02'00" | -13°19'42" | -00°00'06" | 96.351 |
| 31/12/2011 00:00:00 | Y | 22°12'16" ♏r | 06°41'10"  | -12°00'50" | -00°00'23" | 86.333 |