

Sichtbarkeit

Datum/Standort

Datum: 01-01-2010
 Zeitraum: 1 Jahr
 Br.: 0°25'39"S
 Län.: 34°6'16"W

Objekt

Planet:
 Neptun

Datum (0:00 Ortszeit)	Scheinbarer Ort		Azim	Höhe	Helligkeit	Entf.	Winkeld.	Sonne Elong.	Mond	
	RA	Dek							Phase	Winkel
01-01-2010	21h48m04s	-13°43'20"	290°31'27"	-33°19'04"	7.96 m	30.722 AE	2.22"	+44.2°	99 %	+138.2°
02-01-2010	21h48m11s	-13°42'45"	291°24'51"	-33°52'44"	7.96 m	30.734 AE	2.22"	+43.2°	98 %	+153.4°
03-01-2010	21h48m18s	-13°42'09"	292°18'48"	-34°26'10"	7.96 m	30.746 AE	2.22"	+42.2°	93 %	+168.3°
04-01-2010	21h48m25s	-13°41'33"	293°13'18"	-34°59'21"	7.96 m	30.757 AE	2.22"	+41.2°	85 %	+174.5°
05-01-2010	21h48m32s	-13°40'56"	294°08'22"	-35°32'18"	7.96 m	30.768 AE	2.22"	+40.2°	76 %	+161.0°
06-01-2010	21h48m39s	-13°40'19"	295°04'01"	-36°04'59"	7.96 m	30.780 AE	2.22"	+39.2°	66 %	+146.9°
07-01-2010	21h48m47s	-13°39'42"	296°00'15"	-36°37'24"	7.96 m	30.790 AE	2.22"	+38.2°	55 %	+133.2°
08-01-2010	21h48m54s	-13°39'04"	296°57'07"	-37°09'32"	7.96 m	30.801 AE	2.22"	+37.3°	44 %	+119.8°
09-01-2010	21h49m01s	-13°38'26"	297°54'38"	-37°41'22"	7.96 m	30.811 AE	2.22"	+36.3°	34 %	+106.9°
10-01-2010	21h49m09s	-13°37'47"	298°52'47"	-38°12'54"	7.96 m	30.822 AE	2.22"	+35.3°	24 %	+94.3°
11-01-2010	21h49m16s	-13°37'08"	299°51'37"	-38°44'07"	7.96 m	30.832 AE	2.22"	+34.3°	16 %	+81.9°
12-01-2010	21h49m24s	-13°36'29"	300°51'09"	-39°15'01"	7.96 m	30.841 AE	2.21"	+33.3°	10 %	+69.7°
13-01-2010	21h49m32s	-13°35'49"	301°51'23"	-39°45'33"	7.96 m	30.851 AE	2.21"	+32.3°	4 %	+57.8°
14-01-2010	21h49m40s	-13°35'09"	302°52'20"	-40°15'45"	7.96 m	30.860 AE	2.21"	+31.3°	1 %	+45.9°
15-01-2010	21h49m47s	-13°34'28"	303°54'02"	-40°45'34"	7.97 m	30.869 AE	2.21"	+30.4°	0 %	+34.2°
16-01-2010	21h49m55s	-13°33'47"	304°56'30"	-41°15'00"	7.97 m	30.877 AE	2.21"	+29.4°	0 %	+22.5°
17-01-2010	21h50m03s	-13°33'06"	305°59'44"	-41°44'03"	7.97 m	30.886 AE	2.21"	+28.4°	2 %	+11.1°
18-01-2010	21h50m11s	-13°32'25"	307°03'46"	-42°12'41"	7.97 m	30.894 AE	2.21"	+27.4°	6 %	+3.1°
19-01-2010	21h50m19s	-13°31'43"	308°08'36"	-42°40'53"	7.97 m	30.902 AE	2.21"	+26.4°	11 %	+13.0°
20-01-2010	21h50m28s	-13°31'01"	309°14'15"	-43°08'39"	7.97 m	30.910 AE	2.21"	+25.4°	18 %	+24.6°
21-01-2010	21h50m36s	-13°30'19"	310°20'45"	-43°35'58"	7.97 m	30.917 AE	2.21"	+24.4°	26 %	+36.5°
22-01-2010	21h50m44s	-13°29'36"	311°28'06"	-44°02'48"	7.97 m	30.924 AE	2.21"	+23.5°	35 %	+48.6°
23-01-2010	21h50m52s	-13°28'54"	312°36'19"	-44°29'10"	7.97 m	30.931 AE	2.21"	+22.5°	45 %	+61.0°
24-01-2010	21h51m01s	-13°28'11"	313°45'24"	-44°55'01"	7.97 m	30.937 AE	2.21"	+21.5°	55 %	+73.8°
25-01-2010	21h51m09s	-13°27'27"	314°55'22"	-45°20'20"	7.97 m	30.944 AE	2.21"	+20.5°	65 %	+87.0°
26-01-2010	21h51m17s	-13°26'44"	316°06'14"	-45°45'08"	7.97 m	30.950 AE	2.21"	+19.5°	75 %	+100.8°
27-01-2010	21h51m26s	-13°26'00"	317°18'00"	-46°09'22"	7.97 m	30.956 AE	2.21"	+18.6°	84 %	+115.0°
28-01-2010	21h51m34s	-13°25'16"	318°30'40"	-46°33'02"	7.97 m	30.961 AE	2.21"	+17.6°	92 %	+129.8°
29-01-2010	21h51m43s	-13°24'32"	319°44'16"	-46°56'07"	7.97 m	30.966 AE	2.21"	+16.6°	97 %	+144.8°
30-01-2010	21h51m51s	-13°23'48"	320°58'46"	-47°18'36"	7.97 m	30.971 AE	2.21"	+15.6°	99 %	+160.1°

Sichtbarkeit

Datum/Standort

Datum: 01-01-2010
 Zeitraum: 1 Jahr
 Br.: 0°25'39"S
 Län.: 34°6'16"W

Objekt

Planet:
 Neptun

Datum (0:00 Ortszeit)	Scheinbarer Ort		Azim	Höhe	Helligkeit	Entf.	Winkeld.	Sonne Elong.	Mond	
	RA	Dek							Phase	Winkel
31-01-2010	21h52m00s	-13°23'03"	322°14'11"	-47°40'27"	7.97 m	30.976 AE	2.20"	+14.7°	99 %	+174.4°
01-02-2010	21h52m09s	-13°22'19"	323°30'31"	-48°01'39"	7.97 m	30.980 AE	2.20"	+13.7°	95 %	+168.0°
02-02-2010	21h52m17s	-13°21'34"	324°47'46"	-48°22'12"	7.97 m	30.984 AE	2.20"	+12.7°	89 %	+153.4°
03-02-2010	21h52m26s	-13°20'49"	326°05'56"	-48°42'04"	7.97 m	30.988 AE	2.20"	+11.7°	81 %	+138.9°
04-02-2010	21h52m35s	-13°20'04"	327°25'00"	-49°01'14"	7.97 m	30.991 AE	2.20"	+10.7°	71 %	+124.9°
05-02-2010	21h52m43s	-13°19'19"	328°44'56"	-49°19'42"	7.97 m	30.995 AE	2.20"	+9.8°	60 %	+111.4°
06-02-2010	21h52m52s	-13°18'33"	330°05'46"	-49°37'25"	7.97 m	30.998 AE	2.20"	+8.8°	50 %	+98.3°
07-02-2010	21h53m01s	-13°17'48"	331°27'27"	-49°54'24"	7.97 m	31.000 AE	2.20"	+7.8°	40 %	+85.7°
08-02-2010	21h53m10s	-13°17'02"	332°49'59"	-50°10'37"	7.97 m	31.003 AE	2.20"	+6.8°	30 %	+73.4°
09-02-2010	21h53m18s	-13°16'17"	334°13'20"	-50°26'02"	7.97 m	31.005 AE	2.20"	+5.9°	22 %	+61.4°
10-02-2010	21h53m27s	-13°15'31"	335°37'28"	-50°40'40"	7.97 m	31.006 AE	2.20"	+4.9°	14 %	+49.5°
11-02-2010	21h53m36s	-13°14'45"	337°02'23"	-50°54'29"	7.97 m	31.008 AE	2.20"	+3.9°	8 %	+37.8°
12-02-2010	21h53m45s	-13°14'00"	338°28'02"	-51°07'27"	7.97 m	31.009 AE	2.20"	+3.0°	4 %	+26.2°
13-02-2010	21h53m54s	-13°13'14"	339°54'24"	-51°19'35"	7.97 m	31.010 AE	2.20"	+2.0°	1 %	+14.7°
14-02-2010	21h54m02s	-13°12'28"	341°21'26"	-51°30'51"	7.97 m	31.011 AE	2.20"	+1.1°	0 %	+4.0°
15-02-2010	21h54m11s	-13°11'42"	342°49'05"	-51°41'15"	7.97 m	31.011 AE	2.20"	+0.4°	0 %	+9.4°
16-02-2010	21h54m20s	-13°10'56"	344°17'20"	-51°50'46"	7.97 m	31.011 AE	2.20"	+1.0°	3 %	+20.9°
17-02-2010	21h54m29s	-13°10'10"	345°46'08"	-51°59'22"	7.97 m	31.011 AE	2.20"	+2.0°	7 %	+32.7°
18-02-2010	21h54m38s	-13°09'24"	347°15'25"	-52°07'04"	7.97 m	31.010 AE	2.20"	+2.9°	13 %	+44.7°
19-02-2010	21h54m47s	-13°08'38"	348°45'09"	-52°13'50"	7.97 m	31.009 AE	2.20"	+3.9°	20 %	+56.9°
20-02-2010	21h54m55s	-13°07'53"	350°15'17"	-52°19'41"	7.97 m	31.008 AE	2.20"	+4.8°	29 %	+69.3°
21-02-2010	21h55m04s	-13°07'07"	351°45'45"	-52°24'35"	7.97 m	31.007 AE	2.20"	+5.8°	38 %	+82.1°
22-02-2010	21h55m13s	-13°06'21"	353°16'31"	-52°28'33"	7.97 m	31.005 AE	2.20"	+6.8°	49 %	+95.2°
23-02-2010	21h55m22s	-13°05'36"	354°47'30"	-52°31'33"	7.97 m	31.003 AE	2.20"	+7.8°	60 %	+108.7°
24-02-2010	21h55m31s	-13°04'50"	356°18'39"	-52°33'36"	7.97 m	31.001 AE	2.20"	+8.7°	70 %	+122.7°
25-02-2010	21h55m39s	-13°04'05"	357°49'56"	-52°34'42"	7.97 m	30.998 AE	2.20"	+9.7°	80 %	+137.1°
26-02-2010	21h55m48s	-13°03'19"	359°21'15"	-52°34'50"	7.97 m	30.995 AE	2.20"	+10.7°	89 %	+151.8°
27-02-2010	21h55m57s	-13°02'34"	0°52'34"	-52°34'00"	7.97 m	30.992 AE	2.20"	+11.6°	95 %	+166.7°
28-02-2010	21h56m05s	-13°01'49"	2°23'48"	-52°32'13"	7.97 m	30.989 AE	2.20"	+12.6°	99 %	+175.1°
01-03-2010	21h56m14s	-13°01'04"	3°54'55"	-52°29'29"	7.97 m	30.985 AE	2.20"	+13.6°	99 %	+161.5°

Sichtbarkeit

Datum/Standort

Datum: 01-01-2010
 Zeitraum: 1 Jahr
 Br.: 0°25'39"S
 Län.: 34°6'16"W

Objekt

Planet:
 Neptun

Datum (0:00 Ortszeit)	Scheinbarer Ort		Azim	Höhe	Helligkeit	Entf.	Winkeld.	Sonne Elong.	Mond	
	RA	Dek							Phase	Winkel
02-03-2010	21h56m23s	-13°00'19"	5°25'51"	-52°25'47"	7.97 m	30.981 AE	2.20"	+14.5°	97 %	+146.6°
03-03-2010	21h56m31s	-12°59'35"	6°56'32"	-52°21'07"	7.97 m	30.977 AE	2.20"	+15.5°	92 %	+131.9°
04-03-2010	21h56m40s	-12°58'50"	8°26'55"	-52°15'32"	7.97 m	30.972 AE	2.21"	+16.4°	85 %	+117.7°
05-03-2010	21h56m48s	-12°58'06"	9°56'57"	-52°08'59"	7.97 m	30.967 AE	2.21"	+17.4°	76 %	+104.0°
06-03-2010	21h56m57s	-12°57'22"	11°26'34"	-52°01'32"	7.97 m	30.962 AE	2.21"	+18.4°	67 %	+90.8°
07-03-2010	21h57m05s	-12°56'38"	12°55'44"	-51°53'08"	7.97 m	30.957 AE	2.21"	+19.4°	57 %	+78.0°
08-03-2010	21h57m14s	-12°55'54"	14°24'23"	-51°43'50"	7.97 m	30.951 AE	2.21"	+20.3°	47 %	+65.6°
09-03-2010	21h57m22s	-12°55'10"	15°52'28"	-51°33'39"	7.97 m	30.945 AE	2.21"	+21.3°	37 %	+53.5°
10-03-2010	21h57m30s	-12°54'27"	17°19'58"	-51°22'33"	7.97 m	30.939 AE	2.21"	+22.2°	28 %	+41.7°
11-03-2010	21h57m39s	-12°53'44"	18°46'49"	-51°10'36"	7.97 m	30.933 AE	2.21"	+23.2°	20 %	+30.1°
12-03-2010	21h57m47s	-12°53'01"	20°13'00"	-50°57'46"	7.97 m	30.926 AE	2.21"	+24.2°	13 %	+18.5°
13-03-2010	21h57m55s	-12°52'18"	21°38'28"	-50°44'06"	7.97 m	30.919 AE	2.21"	+25.1°	7 %	+7.3°
14-03-2010	21h58m03s	-12°51'36"	23°03'11"	-50°29'36"	7.97 m	30.912 AE	2.21"	+26.1°	3 %	+5.8°
15-03-2010	21h58m11s	-12°50'54"	24°27'07"	-50°14'17"	7.97 m	30.904 AE	2.21"	+27.1°	0 %	+17.1°
16-03-2010	21h58m19s	-12°50'12"	25°50'16"	-49°58'10"	7.97 m	30.897 AE	2.21"	+28.0°	0 %	+28.9°
17-03-2010	21h58m27s	-12°49'31"	27°12'34"	-49°41'15"	7.97 m	30.889 AE	2.21"	+29.0°	1 %	+40.9°
18-03-2010	21h58m35s	-12°48'50"	28°34'03"	-49°23'35"	7.97 m	30.881 AE	2.21"	+29.9°	4 %	+53.1°
19-03-2010	21h58m43s	-12°48'09"	29°54'39"	-49°05'10"	7.97 m	30.872 AE	2.21"	+30.9°	9 %	+65.5°
20-03-2010	21h58m51s	-12°47'28"	31°14'23"	-48°46'01"	7.97 m	30.863 AE	2.21"	+31.9°	16 %	+78.2°
21-03-2010	21h58m58s	-12°46'48"	32°33'14"	-48°26'09"	7.96 m	30.854 AE	2.21"	+32.8°	24 %	+91.1°
22-03-2010	21h59m06s	-12°46'08"	33°51'10"	-48°05'35"	7.96 m	30.845 AE	2.21"	+33.8°	34 %	+104.3°
23-03-2010	21h59m14s	-12°45'29"	35°08'12"	-47°44'20"	7.96 m	30.836 AE	2.21"	+34.8°	44 %	+117.8°
24-03-2010	21h59m21s	-12°44'50"	36°24'20"	-47°22'26"	7.96 m	30.826 AE	2.22"	+35.7°	55 %	+131.6°
25-03-2010	21h59m29s	-12°44'11"	37°39'33"	-46°59'53"	7.96 m	30.816 AE	2.22"	+36.7°	66 %	+145.7°
26-03-2010	21h59m36s	-12°43'33"	38°53'51"	-46°36'43"	7.96 m	30.806 AE	2.22"	+37.6°	77 %	+159.9°
27-03-2010	21h59m43s	-12°42'55"	40°07'15"	-46°12'56"	7.96 m	30.795 AE	2.22"	+38.6°	86 %	+173.5°
28-03-2010	21h59m51s	-12°42'17"	41°19'44"	-45°48'34"	7.96 m	30.785 AE	2.22"	+39.5°	93 %	+168.9°
29-03-2010	21h59m57s	-12°41'42"	21°54'01"	-50°30'42"	7.96 m	30.774 AE	2.22"	+40.5°	97 %	+154.9°
30-03-2010	22h00m04s	-12°41'05"	23°18'45"	-50°16'04"	7.96 m	30.763 AE	2.22"	+41.4°	99 %	+140.2°
31-03-2010	22h00m11s	-12°40'29"	24°42'44"	-50°00'38"	7.96 m	30.752 AE	2.22"	+42.4°	98 %	+125.6°

Sichtbarkeit

Datum/Standort

Datum: 01-01-2010
 Zeitraum: 1 Jahr
 Br.: 0°25'39"S
 Län.: 34°6'16"W

Objekt

Planet:
 Neptun

Datum (0:00 Ortszeit)	Scheinbarer Ort		Azim	Höhe	Helligkeit	Entf.	Winkeld.	Sonne Elong.	Mond	
	RA	Dek							Phase	Winkel
01-04-2010	22h00m18s	-12°39'53"	26°05'54"	-49°44'23"	7.96 m	30.741 AE	2.22"	+43.3°	95 %	+111.4°
02-04-2010	22h00m25s	-12°39'17"	27°28'16"	-49°27'20"	7.96 m	30.729 AE	2.22"	+44.3°	89 %	+97.6°
03-04-2010	22h00m32s	-12°38'42"	28°49'48"	-49°09'32"	7.95 m	30.717 AE	2.22"	+45.3°	82 %	+84.2°
04-04-2010	22h00m39s	-12°38'08"	30°10'29"	-48°50'59"	7.95 m	30.705 AE	2.22"	+46.2°	73 %	+71.3°
05-04-2010	22h00m45s	-12°37'33"	31°30'17"	-48°31'41"	7.95 m	30.693 AE	2.23"	+47.1°	64 %	+58.9°
06-04-2010	22h00m52s	-12°37'00"	32°49'12"	-48°11'40"	7.95 m	30.680 AE	2.23"	+48.1°	54 %	+46.7°
07-04-2010	22h00m58s	-12°36'27"	34°07'14"	-47°50'58"	7.95 m	30.668 AE	2.23"	+49.1°	45 %	+34.9°
08-04-2010	22h01m04s	-12°35'54"	35°24'23"	-47°29'34"	7.95 m	30.655 AE	2.23"	+50.0°	35 %	+23.2°
09-04-2010	22h01m11s	-12°35'22"	36°40'37"	-47°07'30"	7.95 m	30.642 AE	2.23"	+51.0°	27 %	+11.7°
10-04-2010	22h01m17s	-12°34'50"	37°55'57"	-46°44'48"	7.95 m	30.629 AE	2.23"	+51.9°	19 %	+3.1°
11-04-2010	22h01m23s	-12°34'19"	39°10'22"	-46°21'28"	7.95 m	30.615 AE	2.23"	+52.9°	12 %	+12.5°
12-04-2010	22h01m29s	-12°33'48"	40°23'54"	-45°57'32"	7.95 m	30.602 AE	2.23"	+53.9°	6 %	+24.2°
13-04-2010	22h01m35s	-12°33'18"	41°36'31"	-45°32'59"	7.95 m	30.588 AE	2.23"	+54.8°	2 %	+36.2°
14-04-2010	22h01m40s	-12°32'49"	42°48'15"	-45°07'52"	7.94 m	30.574 AE	2.23"	+55.8°	0 %	+48.5°
15-04-2010	22h01m46s	-12°32'20"	43°59'05"	-44°42'12"	7.94 m	30.560 AE	2.23"	+56.7°	0 %	+61.0°
16-04-2010	22h01m52s	-12°31'51"	45°09'03"	-44°15'59"	7.94 m	30.546 AE	2.24"	+57.7°	2 %	+73.7°
17-04-2010	22h01m57s	-12°31'23"	46°18'09"	-43°49'14"	7.94 m	30.532 AE	2.24"	+58.6°	6 %	+86.7°
18-04-2010	22h02m02s	-12°30'56"	47°26'23"	-43°21'59"	7.94 m	30.517 AE	2.24"	+59.6°	12 %	+100.0°
19-04-2010	22h02m08s	-12°30'29"	48°33'46"	-42°54'15"	7.94 m	30.502 AE	2.24"	+60.5°	20 %	+113.4°
20-04-2010	22h02m13s	-12°30'03"	49°40'19"	-42°26'02"	7.94 m	30.488 AE	2.24"	+61.5°	29 %	+127.1°
21-04-2010	22h02m18s	-12°29'37"	50°46'03"	-41°57'21"	7.94 m	30.473 AE	2.24"	+62.5°	40 %	+140.9°
22-04-2010	22h02m23s	-12°29'12"	51°50'58"	-41°28'13"	7.94 m	30.458 AE	2.24"	+63.4°	51 %	+154.8°
23-04-2010	22h02m27s	-12°28'48"	52°55'06"	-40°58'40"	7.94 m	30.443 AE	2.24"	+64.4°	63 %	+168.6°
24-04-2010	22h02m32s	-12°28'24"	53°58'27"	-40°28'41"	7.93 m	30.427 AE	2.24"	+65.3°	73 %	+173.8°
25-04-2010	22h02m37s	-12°28'01"	55°01'03"	-39°58'19"	7.93 m	30.412 AE	2.25"	+66.3°	83 %	+160.9°
26-04-2010	22h02m41s	-12°27'38"	56°02'54"	-39°27'33"	7.93 m	30.396 AE	2.25"	+67.2°	91 %	+146.6°
27-04-2010	22h02m45s	-12°27'16"	57°04'01"	-38°56'25"	7.93 m	30.381 AE	2.25"	+68.2°	96 %	+132.2°
28-04-2010	22h02m50s	-12°26'55"	58°04'26"	-38°24'55"	7.93 m	30.365 AE	2.25"	+69.1°	99 %	+118.0°
29-04-2010	22h02m54s	-12°26'34"	59°04'10"	-37°53'04"	7.93 m	30.349 AE	2.25"	+70.1°	99 %	+104.0°
30-04-2010	22h02m58s	-12°26'14"	60°03'13"	-37°20'53"	7.93 m	30.333 AE	2.25"	+71.0°	97 %	+90.4°

Sichtbarkeit

Datum/Standort

Datum: 01-01-2010
 Zeitraum: 1 Jahr
 Br.: 0°25'39"S
 Län.: 34°6'16"W

Objekt

Planet:
 Neptun

Datum (0:00 Ortszeit)	Scheinbarer Ort		Azim	Höhe	Helligkeit	Entf.	Winkeld.	Sonne Elong.	Mond	
	RA	Dek							Phase	Winkel
01-05-2010	22h03m02s	-12°25'54"	61°01'36"	-36°48'23"	7.93 m	30.317 AE	2.25"	+72.0°	93 %	+77.1°
02-05-2010	22h03m05s	-12°25'35"	61°59'21"	-36°15'35"	7.93 m	30.301 AE	2.25"	+73.0°	87 %	+64.2°
03-05-2010	22h03m09s	-12°25'17"	62°56'29"	-35°42'28"	7.92 m	30.285 AE	2.26"	+73.9°	79 %	+51.7°
04-05-2010	22h03m13s	-12°24'59"	63°53'00"	-35°09'05"	7.92 m	30.268 AE	2.26"	+74.8°	71 %	+39.5°
05-05-2010	22h03m16s	-12°24'42"	64°48'57"	-34°35'25"	7.92 m	30.252 AE	2.26"	+75.8°	62 %	+27.5°
06-05-2010	22h03m19s	-12°24'26"	65°44'19"	-34°01'29"	7.92 m	30.236 AE	2.26"	+76.8°	52 %	+15.9°
07-05-2010	22h03m23s	-12°24'10"	66°39'09"	-33°27'18"	7.92 m	30.219 AE	2.26"	+77.7°	43 %	+5.0°
08-05-2010	22h03m26s	-12°23'55"	67°33'26"	-32°52'53"	7.92 m	30.203 AE	2.26"	+78.7°	33 %	+8.6°
09-05-2010	22h03m29s	-12°23'41"	68°27'13"	-32°18'14"	7.92 m	30.186 AE	2.26"	+79.6°	25 %	+20.1°
10-05-2010	22h03m31s	-12°23'27"	69°20'29"	-31°43'21"	7.92 m	30.169 AE	2.26"	+80.6°	17 %	+31.9°
11-05-2010	22h03m34s	-12°23'14"	70°13'17"	-31°08'16"	7.91 m	30.153 AE	2.26"	+81.5°	10 %	+44.1°
12-05-2010	22h03m37s	-12°23'02"	71°05'37"	-30°32'58"	7.91 m	30.136 AE	2.27"	+82.5°	5 %	+56.6°
13-05-2010	22h03m39s	-12°22'50"	71°57'30"	-29°57'30"	7.91 m	30.119 AE	2.27"	+83.5°	1 %	+69.3°
14-05-2010	22h03m42s	-12°22'39"	72°48'58"	-29°21'50"	7.91 m	30.102 AE	2.27"	+84.4°	0 %	+82.4°
15-05-2010	22h03m44s	-12°22'28"	73°40'00"	-28°45'59"	7.91 m	30.085 AE	2.27"	+85.4°	0 %	+95.8°
16-05-2010	22h03m46s	-12°22'19"	74°30'39"	-28°09'59"	7.91 m	30.068 AE	2.27"	+86.3°	4 %	+109.5°
17-05-2010	22h03m48s	-12°22'10"	75°20'55"	-27°33'50"	7.91 m	30.052 AE	2.27"	+87.3°	9 %	+123.3°
18-05-2010	22h03m50s	-12°22'01"	76°10'48"	-26°57'31"	7.91 m	30.035 AE	2.27"	+88.2°	17 %	+137.3°
19-05-2010	22h03m51s	-12°21'54"	77°00'21"	-26°21'05"	7.91 m	30.018 AE	2.28"	+89.2°	27 %	+151.3°
20-05-2010	22h03m53s	-12°21'47"	77°49'34"	-25°44'30"	7.90 m	30.001 AE	2.28"	+90.2°	37 %	+165.1°
21-05-2010	22h03m54s	-12°21'41"	78°38'27"	-25°07'48"	7.90 m	29.984 AE	2.28"	+91.1°	49 %	+174.9°
22-05-2010	22h03m56s	-12°21'35"	79°27'02"	-24°30'59"	7.90 m	29.967 AE	2.28"	+92.0°	60 %	+164.7°
23-05-2010	22h03m57s	-12°21'30"	80°15'20"	-23°54'03"	7.90 m	29.950 AE	2.28"	+93.0°	71 %	+150.9°
24-05-2010	22h03m58s	-12°21'26"	81°03'21"	-23°17'02"	7.90 m	29.933 AE	2.28"	+94.0°	81 %	+137.0°
25-05-2010	22h03m59s	-12°21'22"	81°51'06"	-22°39'55"	7.90 m	29.916 AE	2.28"	+94.9°	89 %	+123.1°
26-05-2010	22h04m00s	-12°21'20"	82°38'36"	-22°02'43"	7.90 m	29.899 AE	2.28"	+95.9°	94 %	+109.3°
27-05-2010	22h04m00s	-12°21'17"	83°25'52"	-21°25'27"	7.90 m	29.883 AE	2.29"	+96.8°	98 %	+95.7°
28-05-2010	22h04m01s	-12°21'16"	84°12'55"	-20°48'06"	7.89 m	29.866 AE	2.29"	+97.8°	99 %	+82.4°
29-05-2010	22h04m02s	-12°21'15"	84°59'45"	-20°10'41"	7.89 m	29.849 AE	2.29"	+98.8°	98 %	+69.3°
30-05-2010	22h04m02s	-12°21'15"	85°46'24"	-19°33'13"	7.89 m	29.832 AE	2.29"	+99.7°	95 %	+56.5°

Sichtbarkeit

Datum/Standort

Datum: 01-01-2010
 Zeitraum: 1 Jahr
 Br.: 0°25'39"S
 Län.: 34°6'16"W

Objekt

Planet:
 Neptun

Datum (0:00 Ortszeit)	Scheinbarer Ort		Azim	Höhe	Helligkeit	Entf.	Winkeld.	Sonne Elong.	Mond	
	RA	Dek							Phase	Winkel
31-05-2010	22h04m02s	-12°21'15"	86°32'52"	-18°55'42"	7.89 m	29.816 AE	2.29"	+ 100.7°	91 %	+ 44.1°
01-06-2010	22h04m02s	-12°21'17"	87°19'09"	-18°18'09"	7.89 m	29.799 AE	2.29"	+ 101.6°	84 %	+ 31.9°
02-06-2010	22h04m02s	-12°21'19"	88°05'17"	-17°40'34"	7.89 m	29.783 AE	2.29"	+ 102.6°	77 %	+ 20.0°
03-06-2010	22h04m02s	-12°21'21"	88°51'17"	-17°02'56"	7.89 m	29.766 AE	2.29"	+ 103.6°	68 %	+ 8.5°
04-06-2010	22h04m02s	-12°21'24"	89°37'09"	-16°25'18"	7.89 m	29.750 AE	2.30"	+ 104.5°	59 %	+ 5.2°
05-06-2010	22h04m01s	-12°21'28"	90°22'53"	-15°47'39"	7.88 m	29.733 AE	2.30"	+ 105.5°	50 %	+ 16.1°
06-06-2010	22h04m01s	-12°21'33"	91°08'31"	-15°09'59"	7.88 m	29.717 AE	2.30"	+ 106.4°	40 %	+ 27.9°
07-06-2010	22h04m00s	-12°21'38"	91°54'03"	-14°32'19"	7.88 m	29.701 AE	2.30"	+ 107.4°	31 %	+ 39.9°
08-06-2010	22h03m59s	-12°21'44"	92°39'31"	-13°54'40"	7.88 m	29.685 AE	2.30"	+ 108.3°	22 %	+ 52.1°
09-06-2010	22h03m58s	-12°21'51"	93°24'54"	-13°17'01"	7.88 m	29.669 AE	2.30"	+ 109.3°	14 %	+ 64.8°
10-06-2010	22h03m57s	-12°21'58"	94°10'13"	-12°39'23"	7.88 m	29.653 AE	2.30"	+ 110.3°	7 %	+ 77.7°
11-06-2010	22h03m56s	-12°22'06"	94°55'29"	-12°01'47"	7.88 m	29.637 AE	2.30"	+ 111.2°	3 %	+ 91.0°
12-06-2010	22h03m55s	-12°22'14"	95°40'43"	-11°24'13"	7.88 m	29.621 AE	2.31"	+ 112.2°	0 %	+ 104.7°
13-06-2010	22h03m53s	-12°22'24"	96°25'55"	-10°46'41"	7.87 m	29.606 AE	2.31"	+ 113.2°	0 %	+ 118.8°
14-06-2010	22h03m52s	-12°22'34"	97°11'06"	-10°09'11"	7.87 m	29.590 AE	2.31"	+ 114.1°	2 %	+ 133.0°
15-06-2010	22h03m50s	-12°22'44"	97°56'17"	-9°31'45"	7.87 m	29.575 AE	2.31"	+ 115.1°	7 %	+ 147.3°
16-06-2010	22h03m49s	-12°22'55"	98°41'29"	-8°54'23"	7.87 m	29.560 AE	2.31"	+ 116.1°	15 %	+ 161.5°
17-06-2010	22h03m47s	-12°23'07"	99°26'41"	-8°17'04"	7.87 m	29.545 AE	2.31"	+ 117.0°	24 %	+ 173.8°
18-06-2010	22h03m45s	-12°23'19"	100°11'54"	-7°39'50"	7.87 m	29.530 AE	2.31"	+ 118.0°	35 %	+ 167.7°
19-06-2010	22h03m43s	-12°23'32"	100°57'10"	-7°02'40"	7.87 m	29.515 AE	2.31"	+ 118.9°	47 %	+ 154.1°
20-06-2010	22h03m40s	-12°23'46"	101°42'29"	-6°25'35"	7.87 m	29.500 AE	2.32"	+ 119.9°	58 %	+ 140.3°
21-06-2010	22h03m38s	-12°24'00"	102°27'51"	-5°48'36"	7.87 m	29.485 AE	2.32"	+ 120.9°	69 %	+ 126.5°
22-06-2010	22h03m36s	-12°24'15"	103°13'16"	-5°11'43"	7.86 m	29.471 AE	2.32"	+ 121.8°	78 %	+ 112.9°
23-06-2010	22h03m33s	-12°24'31"	103°58'47"	-4°34'56"	7.86 m	29.457 AE	2.32"	+ 122.8°	86 %	+ 99.5°
24-06-2010	22h03m30s	-12°24'47"	104°44'23"	-3°58'17"	7.86 m	29.443 AE	2.32"	+ 123.8°	93 %	+ 86.4°
25-06-2010	22h03m28s	-12°25'03"	105°30'04"	-3°21'44"	7.86 m	29.429 AE	2.32"	+ 124.7°	97 %	+ 73.4°
26-06-2010	22h03m25s	-12°25'20"	106°15'52"	-2°45'19"	7.86 m	29.415 AE	2.32"	+ 125.7°	99 %	+ 60.6°
27-06-2010	22h03m22s	-12°25'38"	107°01'46"	-2°09'01"	7.86 m	29.401 AE	2.32"	+ 126.7°	99 %	+ 48.1°
28-06-2010	22h03m19s	-12°25'57"	107°47'48"	-1°32'53"	7.86 m	29.388 AE	2.32"	+ 127.6°	97 %	+ 35.8°
29-06-2010	22h03m15s	-12°26'15"	108°33'59"	-0°56'53"	7.86 m	29.375 AE	2.32"	+ 128.6°	94 %	+ 23.7°

Sichtbarkeit

Datum/Standort

Datum: 01-01-2010
 Zeitraum: 1 Jahr
 Br.: 0°25'39"S
 Län.: 34°6'16"W

Objekt

Planet:
 Neptun

Datum (0:00 Ortszeit)	Scheinbarer Ort		Azim	Höhe	Helligkeit	Entf.	Winkeld.	Sonne Elong.	Mond	
	RA	Dek							Phase	Winkel
30-06-2010	22h03m12s	-12°26'35"	109°20'17"	-0°21'03"	7.86 m	29.361 AE	2.33"	+129.6°	89 %	+11.9°
01-07-2010	22h03m09s	-12°26'55"	110°06'45"	+0°14'37"	7.86 m	29.349 AE	2.33"	+130.5°	82 %	+3.5°
02-07-2010	22h03m05s	-12°27'15"	110°53'23"	+0°50'08"	7.85 m	29.336 AE	2.33"	+131.5°	74 %	+12.8°
03-07-2010	22h03m02s	-12°27'36"	111°40'11"	+1°25'27"	7.85 m	29.323 AE	2.33"	+132.5°	66 %	+24.4°
04-07-2010	22h02m58s	-12°27'58"	112°27'10"	+2°00'36"	7.85 m	29.311 AE	2.33"	+133.4°	56 %	+36.3°
05-07-2010	22h02m54s	-12°28'20"	113°14'20"	+2°35'33"	7.85 m	29.299 AE	2.33"	+134.4°	47 %	+48.3°
06-07-2010	22h02m50s	-12°28'43"	114°01'42"	+3°10'18"	7.85 m	29.287 AE	2.33"	+135.4°	37 %	+60.6°
07-07-2010	22h02m46s	-12°29'06"	114°49'16"	+3°44'50"	7.85 m	29.275 AE	2.33"	+136.3°	27 %	+73.3°
08-07-2010	22h02m42s	-12°29'29"	115°37'04"	+4°19'09"	7.85 m	29.264 AE	2.33"	+137.3°	18 %	+86.3°
09-07-2010	22h02m38s	-12°29'53"	116°25'04"	+4°53'15"	7.85 m	29.252 AE	2.33"	+138.3°	11 %	+99.7°
10-07-2010	22h02m34s	-12°30'18"	117°13'19"	+5°27'07"	7.85 m	29.241 AE	2.34"	+139.3°	4 %	+113.6°
11-07-2010	22h02m29s	-12°30'43"	118°01'48"	+6°00'44"	7.85 m	29.230 AE	2.34"	+140.2°	1 %	+127.8°
12-07-2010	22h02m25s	-12°31'08"	118°50'32"	+6°34'07"	7.85 m	29.220 AE	2.34"	+141.2°	0 %	+142.3°
13-07-2010	22h02m20s	-12°31'34"	119°39'31"	+7°07'14"	7.85 m	29.209 AE	2.34"	+142.2°	1 %	+156.9°
14-07-2010	22h02m16s	-12°32'01"	120°28'47"	+7°40'04"	7.84 m	29.199 AE	2.34"	+143.2°	6 %	+170.8°
15-07-2010	22h02m11s	-12°32'28"	121°18'18"	+8°12'39"	7.84 m	29.189 AE	2.34"	+144.1°	13 %	+171.0°
16-07-2010	22h02m06s	-12°32'55"	122°08'06"	+8°44'56"	7.84 m	29.179 AE	2.34"	+145.1°	22 %	+157.5°
17-07-2010	22h02m01s	-12°33'22"	122°58'12"	+9°16'56"	7.84 m	29.170 AE	2.34"	+146.1°	33 %	+143.3°
18-07-2010	22h01m56s	-12°33'50"	123°48'35"	+9°48'37"	7.84 m	29.161 AE	2.34"	+147.1°	44 %	+129.4°
19-07-2010	22h01m51s	-12°34'19"	124°39'16"	+10°20'00"	7.84 m	29.152 AE	2.34"	+148.0°	55 %	+115.7°
20-07-2010	22h01m46s	-12°34'47"	125°30'15"	+10°51'03"	7.84 m	29.143 AE	2.34"	+149.0°	66 %	+102.3°
21-07-2010	22h01m41s	-12°35'16"	126°21'33"	+11°21'47"	7.84 m	29.134 AE	2.34"	+150.0°	75 %	+89.2°
22-07-2010	22h01m36s	-12°35'46"	127°13'10"	+11°52'10"	7.84 m	29.126 AE	2.34"	+151.0°	84 %	+76.3°
23-07-2010	22h01m31s	-12°36'16"	128°05'07"	+12°22'13"	7.84 m	29.118 AE	2.35"	+151.9°	90 %	+63.7°
24-07-2010	22h01m25s	-12°36'46"	128°57'24"	+12°51'54"	7.84 m	29.110 AE	2.35"	+152.9°	95 %	+51.2°
25-07-2010	22h01m20s	-12°37'16"	129°50'01"	+13°21'13"	7.84 m	29.103 AE	2.35"	+153.9°	98 %	+38.9°
26-07-2010	22h01m14s	-12°37'47"	130°42'58"	+13°50'09"	7.84 m	29.096 AE	2.35"	+154.9°	99 %	+26.8°
27-07-2010	22h01m09s	-12°38'18"	131°36'16"	+14°18'42"	7.84 m	29.089 AE	2.35"	+155.9°	99 %	+14.9°
28-07-2010	22h01m03s	-12°38'49"	132°29'55"	+14°46'51"	7.84 m	29.082 AE	2.35"	+156.8°	96 %	+4.2°
29-07-2010	22h00m58s	-12°39'21"	133°23'56"	+15°14'36"	7.84 m	29.076 AE	2.35"	+157.8°	92 %	+10.0°

Sichtbarkeit

Datum/Standort

Datum: 01-01-2010
 Zeitraum: 1 Jahr
 Br.: 0°25'39"S
 Län.: 34°6'16"W

Objekt

Planet:
 Neptun

Datum (0:00 Ortszeit)	Scheinbarer Ort		Azm	Höhe	Helligkeit	Entf.	Winkeld.	Sonne Elong.	Mond	
	RA	Dek							Phase	Winkel
30-07-2010	22h00m52s	-12° 39 ' 52"	134° 18 ' 17"	+15° 41 ' 56"	7.83 m	29.070 AE	2.35"	+ 158.8°	87 %	+ 21.5°
31-07-2010	22h00m46s	-12° 40 ' 25"	135° 13 ' 01"	+16° 08 ' 50"	7.83 m	29.064 AE	2.35"	+ 159.8°	80 %	+ 33.4°
01-08-2010	22h00m40s	-12° 40 ' 57"	136° 08 ' 07"	+16° 35 ' 18"	7.83 m	29.058 AE	2.35"	+ 160.8°	71 %	+ 45.3°
02-08-2010	22h00m34s	-12° 41 ' 29"	137° 03 ' 34"	+17° 01 ' 19"	7.83 m	29.053 AE	2.35"	+ 161.8°	62 %	+ 57.4°
03-08-2010	22h00m29s	-12° 42 ' 02"	137° 59 ' 24"	+17° 26 ' 52"	7.83 m	29.048 AE	2.35"	+ 162.7°	53 %	+ 69.8°
04-08-2010	22h00m23s	-12° 42 ' 35"	138° 55 ' 36"	+17° 51 ' 58"	7.83 m	29.043 AE	2.35"	+ 163.7°	42 %	+ 82.4°
05-08-2010	22h00m17s	-12° 43 ' 08"	139° 52 ' 11"	+18° 16 ' 35"	7.83 m	29.039 AE	2.35"	+ 164.7°	32 %	+ 95.4°
06-08-2010	22h00m11s	-12° 43 ' 41"	140° 49 ' 08"	+18° 40 ' 42"	7.83 m	29.034 AE	2.35"	+ 165.7°	22 %	+ 108.8°
07-08-2010	22h00m05s	-12° 44 ' 15"	141° 46 ' 27"	+19° 04 ' 20"	7.83 m	29.030 AE	2.35"	+ 166.7°	14 %	+ 122.7°
08-08-2010	21h59m58s	-12° 44 ' 49"	142° 44 ' 09"	+19° 27 ' 27"	7.83 m	29.027 AE	2.35"	+ 167.7°	7 %	+ 136.9°
09-08-2010	21h59m52s	-12° 45 ' 22"	143° 42 ' 13"	+19° 50 ' 03"	7.83 m	29.023 AE	2.35"	+ 168.6°	2 %	+ 151.5°
10-08-2010	21h59m46s	-12° 45 ' 56"	144° 40 ' 40"	+20° 12 ' 07"	7.83 m	29.020 AE	2.35"	+ 169.6°	0 %	+ 166.0°
11-08-2010	21h59m40s	-12° 46 ' 30"	145° 39 ' 28"	+20° 33 ' 39"	7.83 m	29.018 AE	2.35"	+ 170.6°	1 %	+ 174.4°
12-08-2010	21h59m34s	-12° 47 ' 04"	146° 38 ' 39"	+20° 54 ' 38"	7.83 m	29.015 AE	2.35"	+ 171.6°	5 %	+ 162.1°
13-08-2010	21h59m28s	-12° 47 ' 39"	147° 38 ' 11"	+21° 15 ' 04"	7.83 m	29.013 AE	2.35"	+ 172.6°	11 %	+ 147.6°
14-08-2010	21h59m21s	-12° 48 ' 13"	148° 38 ' 05"	+21° 34 ' 55"	7.83 m	29.011 AE	2.35"	+ 173.6°	20 %	+ 133.1°
15-08-2010	21h59m15s	-12° 48 ' 47"	149° 38 ' 20"	+21° 54 ' 12"	7.83 m	29.010 AE	2.35"	+ 174.5°	30 %	+ 119.0°
16-08-2010	21h59m09s	-12° 49 ' 21"	150° 38 ' 57"	+22° 12 ' 54"	7.83 m	29.008 AE	2.35"	+ 175.5°	41 %	+ 105.2°
17-08-2010	21h59m03s	-12° 49 ' 56"	151° 39 ' 53"	+22° 30 ' 59"	7.83 m	29.007 AE	2.35"	+ 176.5°	51 %	+ 91.8°
18-08-2010	21h58m56s	-12° 50 ' 30"	152° 41 ' 11"	+22° 48 ' 29"	7.83 m	29.007 AE	2.35"	+ 177.5°	62 %	+ 78.8°
19-08-2010	21h58m50s	-12° 51 ' 05"	153° 42 ' 47"	+23° 05 ' 21"	7.83 m	29.006 AE	2.35"	+ 178.4°	71 %	+ 66.1°
20-08-2010	21h58m44s	-12° 51 ' 39"	154° 44 ' 44"	+23° 21 ' 36"	7.83 m	29.006 AE	2.35"	+ 179.3°	80 %	+ 53.7°
21-08-2010	21h58m37s	-12° 52 ' 13"	155° 46 ' 59"	+23° 37 ' 13"	7.83 m	29.006 AE	2.35"	+ 179.3°	87 %	+ 41.4°
22-08-2010	21h58m31s	-12° 52 ' 48"	156° 49 ' 33"	+23° 52 ' 12"	7.83 m	29.007 AE	2.35"	+ 178.4°	93 %	+ 29.3°
23-08-2010	21h58m25s	-12° 53 ' 22"	157° 52 ' 24"	+24° 06 ' 31"	7.83 m	29.007 AE	2.35"	+ 177.5°	97 %	+ 17.4°
24-08-2010	21h58m18s	-12° 53 ' 56"	158° 55 ' 33"	+24° 20 ' 11"	7.83 m	29.008 AE	2.35"	+ 176.5°	99 %	+ 6.1°
25-08-2010	21h58m12s	-12° 54 ' 31"	159° 58 ' 58"	+24° 33 ' 12"	7.83 m	29.010 AE	2.35"	+ 175.5°	99 %	+ 7.6°
26-08-2010	21h58m06s	-12° 55 ' 05"	161° 02 ' 39"	+24° 45 ' 32"	7.83 m	29.011 AE	2.35"	+ 174.5°	98 %	+ 19.1°
27-08-2010	21h58m00s	-12° 55 ' 39"	162° 06 ' 34"	+24° 57 ' 11"	7.83 m	29.013 AE	2.35"	+ 173.5°	95 %	+ 30.9°
28-08-2010	21h57m53s	-12° 56 ' 13"	163° 10 ' 45"	+25° 08 ' 09"	7.83 m	29.016 AE	2.35"	+ 172.5°	90 %	+ 42.9°

Sichtbarkeit

Datum/Standort

Datum: 01-01-2010
 Zeitraum: 1 Jahr
 Br.: 0°25'39"S
 Län.: 34°6'16"W

Objekt

Planet:
 Neptun

Datum (0:00 Ortszeit)	Scheinbarer Ort		Azm	Höhe	Helligkeit	Entf.	Winkeld.	Sonne Elong.	Mond	
	RA	Dek							Phase	Winkel
29-08-2010	21h57m47s	-12°56'46"	164°15'09"	+25°18'26"	7.83 m	29.018 AE	2.35"	+171.6°	84 %	+54.9°
30-08-2010	21h57m41s	-12°57'20"	165°19'45"	+25°28'01"	7.83 m	29.021 AE	2.35"	+170.6°	77 %	+67.1°
31-08-2010	21h57m35s	-12°57'53"	166°24'34"	+25°36'54"	7.83 m	29.024 AE	2.35"	+169.6°	68 %	+79.5°
01-09-2010	21h57m29s	-12°58'27"	167°29'33"	+25°45'04"	7.83 m	29.027 AE	2.35"	+168.6°	58 %	+92.2°
02-09-2010	21h57m22s	-12°59'00"	168°34'42"	+25°52'31"	7.83 m	29.031 AE	2.35"	+167.6°	48 %	+105.2°
03-09-2010	21h57m16s	-12°59'33"	169°40'01"	+25°59'16"	7.83 m	29.035 AE	2.35"	+166.6°	37 %	+118.5°
04-09-2010	21h57m10s	-13°00'06"	170°45'27"	+26°05'17"	7.83 m	29.039 AE	2.35"	+165.6°	27 %	+132.3°
05-09-2010	21h57m04s	-13°00'38"	171°51'01"	+26°10'35"	7.83 m	29.044 AE	2.35"	+164.6°	17 %	+146.4°
06-09-2010	21h56m58s	-13°01'11"	172°56'41"	+26°15'09"	7.83 m	29.049 AE	2.35"	+163.6°	9 %	+160.7°
07-09-2010	21h56m52s	-13°01'43"	174°02'26"	+26°18'59"	7.83 m	29.054 AE	2.35"	+162.6°	3 %	+173.8°
08-09-2010	21h56m46s	-13°02'15"	175°08'15"	+26°22'05"	7.83 m	29.059 AE	2.35"	+161.6°	0 %	+167.6°
09-09-2010	21h56m40s	-13°02'47"	176°14'07"	+26°24'28"	7.83 m	29.065 AE	2.35"	+160.6°	0 %	+153.1°
10-09-2010	21h56m35s	-13°03'18"	177°20'01"	+26°26'06"	7.83 m	29.071 AE	2.35"	+159.6°	3 %	+138.2°
11-09-2010	21h56m29s	-13°03'49"	178°25'56"	+26°27'01"	7.84 m	29.077 AE	2.35"	+158.6°	9 %	+123.6°
12-09-2010	21h56m23s	-13°04'20"	179°31'50"	+26°27'11"	7.84 m	29.084 AE	2.35"	+157.6°	17 %	+109.3°
13-09-2010	21h56m17s	-13°04'50"	180°37'43"	+26°26'37"	7.84 m	29.091 AE	2.35"	+156.6°	26 %	+95.5°
14-09-2010	21h56m12s	-13°05'21"	181°43'34"	+26°25'20"	7.84 m	29.098 AE	2.35"	+155.6°	36 %	+82.0°
15-09-2010	21h56m06s	-13°05'50"	182°49'22"	+26°23'18"	7.84 m	29.105 AE	2.35"	+154.6°	46 %	+69.0°
16-09-2010	21h56m01s	-13°06'20"	183°55'05"	+26°20'33"	7.84 m	29.113 AE	2.35"	+153.6°	56 %	+56.3°
17-09-2010	21h55m55s	-13°06'49"	185°00'43"	+26°17'04"	7.84 m	29.121 AE	2.35"	+152.6°	66 %	+44.0°
18-09-2010	21h55m50s	-13°07'18"	186°06'14"	+26°12'51"	7.84 m	29.129 AE	2.34"	+151.6°	75 %	+31.9°
19-09-2010	21h55m44s	-13°07'46"	187°11'37"	+26°07'56"	7.84 m	29.137 AE	2.34"	+150.6°	83 %	+19.9°
20-09-2010	21h55m39s	-13°08'14"	188°16'52"	+26°02'17"	7.84 m	29.146 AE	2.34"	+149.6°	89 %	+8.4°
21-09-2010	21h55m34s	-13°08'42"	189°21'58"	+25°55'55"	7.84 m	29.155 AE	2.34"	+148.6°	94 %	+5.5°
22-09-2010	21h55m29s	-13°09'09"	190°26'53"	+25°48'51"	7.84 m	29.164 AE	2.34"	+147.6°	97 %	+16.6°
23-09-2010	21h55m24s	-13°09'36"	191°31'37"	+25°41'05"	7.84 m	29.173 AE	2.34"	+146.6°	99 %	+28.4°
24-09-2010	21h55m19s	-13°10'02"	192°36'09"	+25°32'37"	7.84 m	29.183 AE	2.34"	+145.6°	99 %	+40.4°
25-09-2010	21h55m14s	-13°10'28"	193°40'27"	+25°23'27"	7.84 m	29.193 AE	2.34"	+144.6°	97 %	+52.5°
26-09-2010	21h55m09s	-13°10'54"	194°44'31"	+25°13'37"	7.84 m	29.203 AE	2.34"	+143.6°	93 %	+64.8°
27-09-2010	21h55m04s	-13°11'19"	195°48'21"	+25°03'05"	7.85 m	29.214 AE	2.34"	+142.6°	88 %	+77.2°

Sichtbarkeit

Datum/Standort

Datum: 01-01-2010
 Zeitraum: 1 Jahr
 Br.: 0°25'39"S
 Län.: 34°6'16"W

Objekt

Planet:
 Neptun

Datum (0:00 Ortszeit)	Scheinbarer Ort		Azim	Höhe	Helligkeit	Entf.	Winkeld.	Sonne Elong.	Mond	
	RA	Dek							Phase	Winkel
28-09-2010	21h55m00s	-13° 11 ' 43"	196° 51 ' 56"	+24° 51 ' 53"	7.85 m	29.224 AE	2.34"	+ 141.6°	81 %	+ 89.8°
29-09-2010	21h54m55s	-13° 12 ' 08"	197° 55 ' 14"	+24° 40 ' 02"	7.85 m	29.235 AE	2.34"	+ 140.6°	72 %	+ 102.6°
30-09-2010	21h54m51s	-13° 12 ' 31"	198° 58 ' 15"	+24° 27 ' 30"	7.85 m	29.246 AE	2.34"	+ 139.6°	63 %	+ 115.6°
01-10-2010	21h54m46s	-13° 12 ' 54"	200° 00 ' 58"	+24° 14 ' 20"	7.85 m	29.258 AE	2.33"	+ 138.6°	52 %	+ 128.9°
02-10-2010	21h54m42s	-13° 13 ' 17"	201° 03 ' 24"	+24° 00 ' 31"	7.85 m	29.269 AE	2.33"	+ 137.6°	41 %	+ 142.5°
03-10-2010	21h54m38s	-13° 13 ' 39"	202° 05 ' 30"	+23° 46 ' 05"	7.85 m	29.281 AE	2.33"	+ 136.6°	30 %	+ 156.3°
04-10-2010	21h54m33s	-13° 14 ' 01"	203° 07 ' 17"	+23° 31 ' 01"	7.85 m	29.293 AE	2.33"	+ 135.6°	20 %	+ 169.9°
05-10-2010	21h54m29s	-13° 14 ' 22"	204° 08 ' 45"	+23° 15 ' 19"	7.85 m	29.305 AE	2.33"	+ 134.6°	12 %	+ 172.4°
06-10-2010	21h54m26s	-13° 14 ' 43"	205° 09 ' 52"	+22° 59 ' 02"	7.85 m	29.318 AE	2.33"	+ 133.6°	5 %	+ 158.8°
07-10-2010	21h54m22s	-13° 15 ' 03"	206° 10 ' 38"	+22° 42 ' 09"	7.85 m	29.330 AE	2.33"	+ 132.6°	1 %	+ 144.1°
08-10-2010	21h54m18s	-13° 15 ' 22"	207° 11 ' 03"	+22° 24 ' 40"	7.86 m	29.343 AE	2.33"	+ 131.6°	0 %	+ 129.4°
09-10-2010	21h54m14s	-13° 15 ' 41"	208° 11 ' 07"	+22° 06 ' 37"	7.86 m	29.356 AE	2.33"	+ 130.6°	2 %	+ 114.8°
10-10-2010	21h54m11s	-13° 15 ' 59"	209° 10 ' 49"	+21° 47 ' 59"	7.86 m	29.370 AE	2.33"	+ 129.6°	6 %	+ 100.5°
11-10-2010	21h54m07s	-13° 16 ' 17"	210° 10 ' 09"	+21° 28 ' 48"	7.86 m	29.383 AE	2.32"	+ 128.6°	13 %	+ 86.6°
12-10-2010	21h54m04s	-13° 16 ' 34"	211° 09 ' 06"	+21° 09 ' 05"	7.86 m	29.397 AE	2.32"	+ 127.6°	21 %	+ 73.1°
13-10-2010	21h54m01s	-13° 16 ' 51"	212° 07 ' 41"	+20° 48 ' 48"	7.86 m	29.410 AE	2.32"	+ 126.6°	30 %	+ 60.0°
14-10-2010	21h53m58s	-13° 17 ' 07"	213° 05 ' 54"	+20° 28 ' 00"	7.86 m	29.424 AE	2.32"	+ 125.6°	40 %	+ 47.4°
15-10-2010	21h53m55s	-13° 17 ' 22"	214° 03 ' 43"	+20° 06 ' 41"	7.86 m	29.439 AE	2.32"	+ 124.6°	50 %	+ 35.0°
16-10-2010	21h53m52s	-13° 17 ' 37"	215° 01 ' 10"	+19° 44 ' 52"	7.86 m	29.453 AE	2.32"	+ 123.6°	59 %	+ 23.0°
17-10-2010	21h53m49s	-13° 17 ' 51"	215° 58 ' 14"	+19° 22 ' 32"	7.86 m	29.467 AE	2.32"	+ 122.6°	69 %	+ 11.3°
18-10-2010	21h53m47s	-13° 18 ' 05"	216° 54 ' 55"	+18° 59 ' 43"	7.87 m	29.482 AE	2.32"	+ 121.6°	77 %	+ 4.0°
19-10-2010	21h53m44s	-13° 18 ' 18"	217° 51 ' 12"	+18° 36 ' 26"	7.87 m	29.497 AE	2.32"	+ 120.6°	84 %	+ 13.6°
20-10-2010	21h53m42s	-13° 18 ' 30"	218° 47 ' 07"	+18° 12 ' 40"	7.87 m	29.512 AE	2.31"	+ 119.6°	90 %	+ 25.3°
21-10-2010	21h53m40s	-13° 18 ' 42"	219° 42 ' 40"	+17° 48 ' 27"	7.87 m	29.527 AE	2.31"	+ 118.6°	95 %	+ 37.3°
22-10-2010	21h53m37s	-13° 18 ' 53"	220° 37 ' 49"	+17° 23 ' 47"	7.87 m	29.542 AE	2.31"	+ 117.6°	98 %	+ 49.4°
23-10-2010	21h53m35s	-13° 19 ' 03"	221° 32 ' 36"	+16° 58 ' 41"	7.87 m	29.558 AE	2.31"	+ 116.6°	99 %	+ 61.8°
24-10-2010	21h53m33s	-13° 19 ' 13"	222° 27 ' 00"	+16° 33 ' 09"	7.87 m	29.573 AE	2.31"	+ 115.6°	99 %	+ 74.3°
25-10-2010	21h53m32s	-13° 19 ' 22"	223° 21 ' 02"	+16° 07 ' 12"	7.87 m	29.589 AE	2.31"	+ 114.6°	96 %	+ 87.0°
26-10-2010	21h53m30s	-13° 19 ' 30"	224° 14 ' 42"	+15° 40 ' 50"	7.87 m	29.604 AE	2.31"	+ 113.6°	91 %	+ 99.9°
27-10-2010	21h53m28s	-13° 19 ' 38"	225° 08 ' 00"	+15° 14 ' 05"	7.88 m	29.620 AE	2.31"	+ 112.6°	85 %	+ 112.9°

Sichtbarkeit

Datum/Standort

Datum: 01-01-2010
 Zeitraum: 1 Jahr
 Br.: 0°25'39"S
 Län.: 34°6'16"W

Objekt

Planet:
 Neptun

Datum (0:00 Ortszeit)	Scheinbarer Ort		Azm	Höhe	Helligkeit	Entf.	Winkeld.	Sonne Elong.	Mond	
	RA	Dek							Phase	Winkel
28-10-2010	21h53m27s	-13° 19 ' 45"	226° 00 ' 56"	+14° 46 ' 56"	7.88 m	29.636 AE	2.30"	+ 111.6°	77 %	+ 126.2°
29-10-2010	21h53m26s	-13° 19 ' 52"	226° 53 ' 31"	+14° 19 ' 25"	7.88 m	29.652 AE	2.30"	+ 110.6°	67 %	+ 139.6°
30-10-2010	21h53m25s	-13° 19 ' 57"	227° 45 ' 45"	+13° 51 ' 31"	7.88 m	29.669 AE	2.30"	+ 109.6°	56 %	+ 153.1°
31-10-2010	21h53m24s	-13° 20 ' 03"	228° 37 ' 37"	+13° 23 ' 16"	7.88 m	29.685 AE	2.30"	+ 108.5°	45 %	+ 166.5°
01-11-2010	21h53m23s	-13° 20 ' 07"	241° 57 ' 55"	+5° 00 ' 29"	7.88 m	29.702 AE	2.30"	+ 107.5°	34 %	+ 174.5°
02-11-2010	21h53m22s	-13° 20 ' 11"	242° 45 ' 05"	+4° 26 ' 59"	7.88 m	29.719 AE	2.30"	+ 106.5°	23 %	+ 162.7°
03-11-2010	21h53m21s	-13° 20 ' 14"	243° 32 ' 03"	+3° 53 ' 16"	7.88 m	29.735 AE	2.30"	+ 105.5°	14 %	+ 148.6°
04-11-2010	21h53m21s	-13° 20 ' 16"	244° 18 ' 47"	+3° 19 ' 22"	7.89 m	29.752 AE	2.30"	+ 104.5°	7 %	+ 134.2°
05-11-2010	21h53m20s	-13° 20 ' 18"	245° 05 ' 19"	+2° 45 ' 15"	7.89 m	29.769 AE	2.29"	+ 103.5°	2 %	+ 119.8°
06-11-2010	21h53m20s	-13° 20 ' 19"	245° 51 ' 38"	+2° 10 ' 58"	7.89 m	29.786 AE	2.29"	+ 102.5°	0 %	+ 105.5°
07-11-2010	21h53m20s	-13° 20 ' 19"	246° 37 ' 47"	+1° 36 ' 30"	7.89 m	29.802 AE	2.29"	+ 101.5°	0 %	+ 91.4°
08-11-2010	21h53m20s	-13° 20 ' 19"	247° 23 ' 44"	+1° 01 ' 51"	7.89 m	29.819 AE	2.29"	+ 100.5°	4 %	+ 77.7°
09-11-2010	21h53m20s	-13° 20 ' 17"	248° 09 ' 31"	+0° 27 ' 03"	7.89 m	29.836 AE	2.29"	+ 99.5°	9 %	+ 64.3°
10-11-2010	21h53m20s	-13° 20 ' 15"	248° 55 ' 08"	-0° 07 ' 54"	7.89 m	29.854 AE	2.29"	+ 98.5°	16 %	+ 51.3°
11-11-2010	21h53m21s	-13° 20 ' 13"	249° 40 ' 36"	-0° 43 ' 00"	7.89 m	29.871 AE	2.29"	+ 97.5°	24 %	+ 38.7°
12-11-2010	21h53m21s	-13° 20 ' 10"	250° 25 ' 55"	-1° 18 ' 16"	7.90 m	29.888 AE	2.29"	+ 96.5°	33 %	+ 26.5°
13-11-2010	21h53m22s	-13° 20 ' 06"	251° 11 ' 06"	-1° 53 ' 39"	7.90 m	29.905 AE	2.28"	+ 95.5°	43 %	+ 14.6°
14-11-2010	21h53m23s	-13° 20 ' 01"	251° 56 ' 09"	-2° 29 ' 11"	7.90 m	29.922 AE	2.28"	+ 94.5°	52 %	+ 4.6°
15-11-2010	21h53m24s	-13° 19 ' 56"	252° 41 ' 06"	-3° 04 ' 49"	7.90 m	29.939 AE	2.28"	+ 93.5°	61 %	+ 10.6°
16-11-2010	21h53m25s	-13° 19 ' 50"	253° 25 ' 55"	-3° 40 ' 35"	7.90 m	29.957 AE	2.28"	+ 92.5°	70 %	+ 22.0°
17-11-2010	21h53m26s	-13° 19 ' 43"	254° 10 ' 39"	-4° 16 ' 27"	7.90 m	29.974 AE	2.28"	+ 91.5°	79 %	+ 33.8°
18-11-2010	21h53m27s	-13° 19 ' 35"	254° 55 ' 17"	-4° 52 ' 26"	7.90 m	29.991 AE	2.28"	+ 90.5°	86 %	+ 45.8°
19-11-2010	21h53m29s	-13° 19 ' 27"	255° 39 ' 51"	-5° 28 ' 30"	7.90 m	30.008 AE	2.28"	+ 89.4°	92 %	+ 58.0°
20-11-2010	21h53m30s	-13° 19 ' 18"	256° 24 ' 20"	-6° 04 ' 40"	7.91 m	30.026 AE	2.27"	+ 88.4°	96 %	+ 70.5°
21-11-2010	21h53m32s	-13° 19 ' 09"	257° 08 ' 46"	-6° 40 ' 55"	7.91 m	30.043 AE	2.27"	+ 87.4°	99 %	+ 83.3°
22-11-2010	21h53m34s	-13° 18 ' 59"	257° 53 ' 08"	-7° 17 ' 15"	7.91 m	30.060 AE	2.27"	+ 86.4°	99 %	+ 96.3°
23-11-2010	21h53m36s	-13° 18 ' 48"	258° 37 ' 28"	-7° 53 ' 39"	7.91 m	30.077 AE	2.27"	+ 85.4°	98 %	+ 109.6°
24-11-2010	21h53m38s	-13° 18 ' 36"	259° 21 ' 47"	-8° 30 ' 06"	7.91 m	30.095 AE	2.27"	+ 84.4°	94 %	+ 123.1°
25-11-2010	21h53m40s	-13° 18 ' 24"	260° 06 ' 04"	-9° 06 ' 38"	7.91 m	30.112 AE	2.27"	+ 83.4°	88 %	+ 136.7°
26-11-2010	21h53m43s	-13° 18 ' 11"	260° 50 ' 20"	-9° 43 ' 13"	7.91 m	30.129 AE	2.27"	+ 82.4°	80 %	+ 150.4°

Sichtbarkeit

Datum/Standort

Datum: 01-01-2010
 Zeitraum: 1 Jahr
 Br.: 0°25'39"S
 Län.: 34°6'16"W

Objekt

Planet:
 Neptun

Datum (0:00 Ortszeit)	Scheinbarer Ort		Azm	Höhe	Helligkeit	Entf.	Winkeld.	Sonne Elong.	Mond	
	RA	Dek							Phase	Winkel
27-11-2010	21h53m45s	-13° 17 ' 57"	261° 34 ' 36"	-10° 19 ' 50"	7.91 m	30.146 AE	2.27"	+ 81.4°	71 %	+ 164.0°
28-11-2010	21h53m48s	-13° 17 ' 43"	262° 18 ' 53"	-10° 56 ' 30"	7.92 m	30.163 AE	2.26"	+ 80.4°	60 %	+ 174.8°
29-11-2010	21h53m51s	-13° 17 ' 28"	263° 03 ' 12"	-11° 33 ' 12"	7.92 m	30.180 AE	2.26"	+ 79.4°	48 %	+ 166.1°
30-11-2010	21h53m54s	-13° 17 ' 12"	263° 47 ' 32"	-12° 09 ' 56"	7.92 m	30.197 AE	2.26"	+ 78.4°	37 %	+ 152.4°
01-12-2010	21h53m57s	-13° 16 ' 56"	264° 31 ' 54"	-12° 46 ' 42"	7.92 m	30.214 AE	2.26"	+ 77.4°	26 %	+ 138.5°
02-12-2010	21h54m00s	-13° 16 ' 39"	265° 16 ' 20"	-13° 23 ' 28"	7.92 m	30.231 AE	2.26"	+ 76.4°	17 %	+ 124.5°
03-12-2010	21h54m03s	-13° 16 ' 21"	266° 00 ' 50"	-14° 00 ' 15"	7.92 m	30.247 AE	2.26"	+ 75.4°	9 %	+ 110.6°
04-12-2010	21h54m07s	-13° 16 ' 03"	266° 45 ' 24"	-14° 37 ' 02"	7.92 m	30.264 AE	2.26"	+ 74.4°	3 %	+ 96.7°
05-12-2010	21h54m10s	-13° 15 ' 44"	267° 30 ' 03"	-15° 13 ' 50"	7.92 m	30.281 AE	2.26"	+ 73.4°	0 %	+ 83.1°
06-12-2010	21h54m14s	-13° 15 ' 24"	268° 14 ' 48"	-15° 50 ' 36"	7.92 m	30.297 AE	2.25"	+ 72.4°	0 %	+ 69.7°
07-12-2010	21h54m18s	-13° 15 ' 04"	268° 59 ' 39"	-16° 27 ' 22"	7.93 m	30.314 AE	2.25"	+ 71.4°	1 %	+ 56.5°
08-12-2010	21h54m22s	-13° 14 ' 43"	269° 44 ' 38"	-17° 04 ' 07"	7.93 m	30.330 AE	2.25"	+ 70.4°	5 %	+ 43.7°
09-12-2010	21h54m26s	-13° 14 ' 21"	270° 29 ' 44"	-17° 40 ' 51"	7.93 m	30.346 AE	2.25"	+ 69.4°	11 %	+ 31.2°
10-12-2010	21h54m30s	-13° 13 ' 59"	271° 14 ' 59"	-18° 17 ' 32"	7.93 m	30.362 AE	2.25"	+ 68.4°	18 %	+ 19.1°
11-12-2010	21h54m34s	-13° 13 ' 36"	272° 00 ' 24"	-18° 54 ' 11"	7.93 m	30.378 AE	2.25"	+ 67.5°	26 %	+ 7.8°
12-12-2010	21h54m38s	-13° 13 ' 12"	272° 45 ' 58"	-19° 30 ' 48"	7.93 m	30.394 AE	2.25"	+ 66.5°	35 %	+ 6.9°
13-12-2010	21h54m43s	-13° 12 ' 48"	273° 31 ' 44"	-20° 07 ' 22"	7.93 m	30.410 AE	2.25"	+ 65.5°	44 %	+ 17.7°
14-12-2010	21h54m48s	-13° 12 ' 24"	274° 17 ' 40"	-20° 43 ' 52"	7.93 m	30.426 AE	2.24"	+ 64.5°	53 %	+ 29.3°
15-12-2010	21h54m52s	-13° 11 ' 58"	275° 03 ' 50"	-21° 20 ' 18"	7.93 m	30.441 AE	2.24"	+ 63.5°	63 %	+ 41.0°
16-12-2010	21h54m57s	-13° 11 ' 32"	275° 50 ' 12"	-21° 56 ' 40"	7.94 m	30.457 AE	2.24"	+ 62.5°	71 %	+ 53.0°
17-12-2010	21h55m02s	-13° 11 ' 06"	276° 36 ' 48"	-22° 32 ' 58"	7.94 m	30.472 AE	2.24"	+ 61.5°	80 %	+ 65.3°
18-12-2010	21h55m07s	-13° 10 ' 39"	277° 23 ' 39"	-23° 09 ' 10"	7.94 m	30.487 AE	2.24"	+ 60.5°	87 %	+ 77.8°
19-12-2010	21h55m12s	-13° 10 ' 11"	278° 10 ' 45"	-23° 45 ' 18"	7.94 m	30.502 AE	2.24"	+ 59.5°	93 %	+ 90.7°
20-12-2010	21h55m18s	-13° 09 ' 43"	278° 58 ' 08"	-24° 21 ' 19"	7.94 m	30.517 AE	2.24"	+ 58.5°	97 %	+ 104.0°
21-12-2010	21h55m23s	-13° 09 ' 14"	279° 45 ' 47"	-24° 57 ' 14"	7.94 m	30.531 AE	2.24"	+ 57.5°	99 %	+ 117.6°
22-12-2010	21h55m29s	-13° 08 ' 44"	280° 33 ' 45"	-25° 33 ' 03"	7.94 m	30.546 AE	2.24"	+ 56.5°	99 %	+ 131.5°
23-12-2010	21h55m34s	-13° 08 ' 14"	281° 22 ' 01"	-26° 08 ' 44"	7.94 m	30.560 AE	2.23"	+ 55.5°	96 %	+ 145.6°
24-12-2010	21h55m40s	-13° 07 ' 44"	282° 10 ' 37"	-26° 44 ' 18"	7.94 m	30.574 AE	2.23"	+ 54.5°	91 %	+ 159.7°
25-12-2010	21h55m46s	-13° 07 ' 13"	282° 59 ' 34"	-27° 19 ' 44"	7.95 m	30.588 AE	2.23"	+ 53.5°	83 %	+ 172.6°
26-12-2010	21h55m52s	-13° 06 ' 41"	283° 48 ' 52"	-27° 55 ' 01"	7.95 m	30.602 AE	2.23"	+ 52.5°	74 %	+ 169.5°

Sichtbarkeit

Datum/Standort

Datum: 01-01-2010
 Zeitraum: 1 Jahr
 Br.: 0°25'39"S
 Län.: 34°6'16"W

Objekt

Planet:
 Neptun

Datum (0:00 Ortszeit)	Scheinbarer Ort		Azm	Höhe	Helligkeit	Entf.	Winkeld.	Sonne Elong.	Mond	
	RA	Dek							Phase	Winkel
27-12-2010	21h55m58s	-13°06'09"	284°38'32"	-28°30'09"	7.95 m	30.616 AE	2.23"	+ 51.5°	63 %	+ 156.0°
28-12-2010	21h56m04s	-13°05'37"	285°28'36"	-29°05'08"	7.95 m	30.629 AE	2.23"	+ 50.5°	52 %	+ 142.1°
29-12-2010	21h56m10s	-13°05'03"	286°19'04"	-29°39'57"	7.95 m	30.643 AE	2.23"	+ 49.5°	41 %	+ 128.3°
30-12-2010	21h56m16s	-13°04'30"	287°09'57"	-30°14'36"	7.95 m	30.656 AE	2.23"	+ 48.5°	30 %	+ 114.5°
31-12-2010	21h56m23s	-13°03'56"	288°01'16"	-30°49'03"	7.95 m	30.669 AE	2.23"	+ 47.5°	20 %	+ 101.0°