

Sichtbarkeit

Datum/Standort

Datum: 01-01-2010
 Zeitraum: 1 Jahr
 Br.: 0°45'21"S
 Län.: 4°13'28"W

Objekt

Planet:
 Venus

Datum (0:00 Ortszeit)	Scheinbarer Ort		Azm	Höhe	Helligkeit	Entf.	Winkeld.	Sonne Elong.	Mond	
	RA	Dek							Phase	Winkel
01-01-2010	18h34m04s	-23°38'39"	349°34'56"	-62°52'19"	-3.81 m	1.708 AE	9.77"	+ 2.6°	99 %	+ 175.0°
02-01-2010	18h39m33s	-23°36'06"	348°49'24"	-62°47'01"	-3.81 m	1.709 AE	9.77"	+ 2.4°	98 %	+ 160.9°
03-01-2010	18h45m02s	-23°32'50"	348°04'28"	-62°40'50"	-3.81 m	1.709 AE	9.76"	+ 2.2°	93 %	+ 146.9°
04-01-2010	18h50m31s	-23°28'50"	347°20'11"	-62°33'45"	-3.81 m	1.709 AE	9.76"	+ 2.0°	85 %	+ 133.1°
05-01-2010	18h56m00s	-23°24'07"	346°36'38"	-62°25'47"	-3.81 m	1.710 AE	9.76"	+ 1.7°	76 %	+ 119.6°
06-01-2010	19h01m28s	-23°18'40"	345°53'52"	-62°16'56"	-3.81 m	1.710 AE	9.76"	+ 1.5°	66 %	+ 106.6°
07-01-2010	19h06m56s	-23°12'30"	345°11'57"	-62°07'15"	-3.81 m	1.710 AE	9.76"	+ 1.3°	55 %	+ 94.0°
08-01-2010	19h12m23s	-23°05'36"	344°30'56"	-61°56'42"	-3.81 m	1.711 AE	9.76"	+ 1.1°	44 %	+ 81.8°
09-01-2010	19h17m49s	-22°58'00"	343°50'53"	-61°45'20"	-3.81 m	1.711 AE	9.75"	+ 1.0°	34 %	+ 70.1°
10-01-2010	19h23m15s	-22°49'42"	343°11'50"	-61°33'10"	-3.81 m	1.711 AE	9.75"	+ 0.9°	24 %	+ 58.6°
11-01-2010	19h28m41s	-22°40'41"	342°33'49"	-61°20'11"	-3.81 m	1.711 AE	9.75"	+ 0.8°	16 %	+ 47.5°
12-01-2010	19h34m05s	-22°30'59"	341°56'52"	-61°06'27"	-3.81 m	1.711 AE	9.75"	+ 0.8°	10 %	+ 36.5°
13-01-2010	19h39m29s	-22°20'36"	341°21'02"	-60°51'56"	-3.81 m	1.711 AE	9.75"	+ 0.9°	4 %	+ 25.7°
14-01-2010	19h44m51s	-22°09'32"	340°46'20"	-60°36'42"	-3.81 m	1.711 AE	9.75"	+ 1.0°	1 %	+ 15.1°
15-01-2010	19h50m13s	-21°57'47"	340°12'46"	-60°20'44"	-3.81 m	1.711 AE	9.75"	+ 1.2°	0 %	+ 4.6°
16-01-2010	19h55m34s	-21°45'23"	339°40'22"	-60°04'05"	-3.81 m	1.711 AE	9.75"	+ 1.4°	0 %	+ 6.1°
17-01-2010	20h00m54s	-21°32'19"	339°09'09"	-59°46'45"	-3.81 m	1.711 AE	9.75"	+ 1.6°	2 %	+ 16.5°
18-01-2010	20h06m13s	-21°18'37"	338°39'07"	-59°28'45"	-3.81 m	1.711 AE	9.75"	+ 1.8°	6 %	+ 26.9°
19-01-2010	20h11m30s	-21°04'16"	338°10'15"	-59°10'06"	-3.81 m	1.711 AE	9.76"	+ 2.0°	11 %	+ 37.4°
20-01-2010	20h16m47s	-20°49'18"	337°42'34"	-58°50'51"	-3.81 m	1.711 AE	9.76"	+ 2.2°	18 %	+ 48.0°
21-01-2010	20h22m03s	-20°33'42"	337°16'04"	-58°30'59"	-3.81 m	1.710 AE	9.76"	+ 2.4°	26 %	+ 58.7°
22-01-2010	20h27m17s	-20°17'31"	336°50'43"	-58°10'32"	-3.81 m	1.710 AE	9.76"	+ 2.6°	35 %	+ 69.6°
23-01-2010	20h32m30s	-20°00'43"	336°26'32"	-57°49'32"	-3.81 m	1.710 AE	9.76"	+ 2.9°	45 %	+ 80.8°
24-01-2010	20h37m42s	-19°43'21"	336°03'29"	-57°27'58"	-3.81 m	1.709 AE	9.76"	+ 3.1°	55 %	+ 92.4°
25-01-2010	20h42m53s	-19°25'24"	335°41'33"	-57°05'53"	-3.81 m	1.709 AE	9.77"	+ 3.4°	65 %	+ 104.5°
26-01-2010	20h48m03s	-19°06'53"	335°20'43"	-56°43'18"	-3.81 m	1.708 AE	9.77"	+ 3.6°	75 %	+ 117.0°
27-01-2010	20h53m11s	-18°47'49"	335°00'58"	-56°20'13"	-3.81 m	1.708 AE	9.77"	+ 3.8°	84 %	+ 130.0°
28-01-2010	20h58m18s	-18°28'13"	334°42'15"	-55°56'40"	-3.81 m	1.707 AE	9.78"	+ 4.0°	92 %	+ 143.5°
29-01-2010	21h03m24s	-18°08'05"	334°24'35"	-55°32'39"	-3.80 m	1.707 AE	9.78"	+ 4.3°	97 %	+ 157.3°
30-01-2010	21h08m29s	-17°47'27"	334°07'55"	-55°08'12"	-3.80 m	1.706 AE	9.78"	+ 4.5°	99 %	+ 171.0°

Sichtbarkeit

Datum/Standort

Datum: 01-01-2010
 Zeitraum: 1 Jahr
 Br.: 0°45'21"S
 Län.: 4°13'28"W

Objekt

Planet:
 Venus

Datum (0:00 Ortszeit)	Scheinbarer Ort		Azim	Höhe	Helligkeit	Entf.	Winkeld.	Sonne Elong.	Mond	
	RA	Dek							Phase	Winkel
31-01-2010	21h13m32s	-17°26'18"	333°52'13"	-54°43'20"	-3.80 m	1.705 AE	9.79"	+ 4.8°	99 %	+ 172.7°
01-02-2010	21h18m34s	-17°04'39"	333°37'29"	-54°18'02"	-3.80 m	1.705 AE	9.79"	+ 5.0°	95 %	+ 159.3°
02-02-2010	21h23m35s	-16°42'32"	333°23'39"	-53°52'21"	-3.80 m	1.704 AE	9.79"	+ 5.2°	89 %	+ 145.7°
03-02-2010	21h28m34s	-16°19'57"	333°10'42"	-53°26'17"	-3.80 m	1.703 AE	9.80"	+ 5.5°	81 %	+ 132.4°
04-02-2010	21h33m33s	-15°56'54"	332°58'37"	-52°59'51"	-3.80 m	1.702 AE	9.80"	+ 5.7°	71 %	+ 119.6°
05-02-2010	21h38m30s	-15°33'25"	332°47'21"	-52°33'04"	-3.80 m	1.701 AE	9.81"	+ 5.9°	60 %	+ 107.3°
06-02-2010	21h43m26s	-15°09'30"	332°36'53"	-52°05'57"	-3.80 m	1.701 AE	9.81"	+ 6.2°	50 %	+ 95.5°
07-02-2010	21h48m20s	-14°45'10"	332°27'12"	-51°38'30"	-3.80 m	1.700 AE	9.82"	+ 6.4°	40 %	+ 84.1°
08-02-2010	21h53m14s	-14°20'26"	332°18'14"	-51°10'44"	-3.80 m	1.699 AE	9.82"	+ 6.6°	30 %	+ 73.0°
09-02-2010	21h58m06s	-13°55'18"	332°09'59"	-50°42'41"	-3.80 m	1.698 AE	9.83"	+ 6.9°	22 %	+ 62.2°
10-02-2010	22h02m57s	-13°29'48"	332°02'25"	-50°14'20"	-3.80 m	1.697 AE	9.84"	+ 7.1°	14 %	+ 51.6°
11-02-2010	22h07m47s	-13°03'55"	331°55'30"	-49°45'42"	-3.80 m	1.695 AE	9.84"	+ 7.3°	8 %	+ 41.1°
12-02-2010	22h12m36s	-12°37'42"	331°49'12"	-49°16'50"	-3.80 m	1.694 AE	9.85"	+ 7.6°	4 %	+ 30.8°
13-02-2010	22h17m24s	-12°11'08"	331°43'30"	-48°47'42"	-3.80 m	1.693 AE	9.86"	+ 7.8°	1 %	+ 20.5°
14-02-2010	22h22m11s	-11°44'15"	331°38'22"	-48°18'19"	-3.80 m	1.692 AE	9.86"	+ 8.1°	0 %	+ 10.6°
15-02-2010	22h26m57s	-11°17'03"	331°33'46"	-47°48'44"	-3.80 m	1.691 AE	9.87"	+ 8.3°	0 %	+ 4.6°
16-02-2010	22h31m42s	-10°49'33"	331°29'40"	-47°18'55"	-3.80 m	1.689 AE	9.88"	+ 8.6°	3 %	+ 12.3°
17-02-2010	22h36m26s	-10°21'46"	331°26'04"	-46°48'54"	-3.80 m	1.688 AE	9.89"	+ 8.8°	7 %	+ 22.5°
18-02-2010	22h41m08s	-9°53'43"	331°22'56"	-46°18'42"	-3.80 m	1.687 AE	9.90"	+ 9.0°	13 %	+ 33.2°
19-02-2010	22h45m50s	-9°25'24"	331°20'13"	-45°48'18"	-3.80 m	1.685 AE	9.90"	+ 9.3°	20 %	+ 44.1°
20-02-2010	22h50m32s	-8°56'50"	331°17'55"	-45°17'44"	-3.80 m	1.684 AE	9.91"	+ 9.5°	29 %	+ 55.3°
21-02-2010	22h55m12s	-8°28'02"	331°16'00"	-44°47'01"	-3.80 m	1.682 AE	9.92"	+ 9.7°	38 %	+ 66.8°
22-02-2010	22h59m51s	-7°59'01"	331°14'26"	-44°16'08"	-3.80 m	1.680 AE	9.93"	+ 10.0°	49 %	+ 78.6°
23-02-2010	23h04m30s	-7°29'47"	331°13'13"	-43°45'07"	-3.80 m	1.679 AE	9.94"	+ 10.2°	60 %	+ 90.9°
24-02-2010	23h09m08s	-7°00'22"	331°12'18"	-43°13'58"	-3.80 m	1.677 AE	9.95"	+ 10.4°	70 %	+ 103.6°
25-02-2010	23h13m45s	-6°30'46"	331°11'41"	-42°42'42"	-3.80 m	1.675 AE	9.96"	+ 10.7°	80 %	+ 116.8°
26-02-2010	23h18m21s	-6°00'59"	331°11'20"	-42°11'18"	-3.80 m	1.674 AE	9.97"	+ 10.9°	89 %	+ 130.3°
27-02-2010	23h22m57s	-5°31'03"	331°11'13"	-41°39'49"	-3.80 m	1.672 AE	9.98"	+ 11.2°	95 %	+ 144.1°
28-02-2010	23h27m33s	-5°00'58"	331°11'20"	-41°08'14"	-3.80 m	1.670 AE	9.99"	+ 11.4°	99 %	+ 157.8°
01-03-2010	23h32m07s	-4°30'45"	331°11'40"	-40°36'33"	-3.80 m	1.668 AE	10.0"	+ 11.7°	99 %	+ 170.3°

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Planet:
 Venus

Datum (0:00 Ortszeit)	Scheinbarer Ort		Azm	Höhe	Helligkeit	Entf.	Winkeld.	Sonne Elong.	Mond	
	RA	Dek							Phase	Winkel
02-03-2010	23h36m42s	- 4°00' 25"	331°12' 10"	-40°04' 48"	-3.80 m	1.666 AE	10.0"	+ 11.9°	97 %	+ 170.6°
03-03-2010	23h41m15s	- 3°29' 59"	331°12' 50"	-39°32' 58"	-3.80 m	1.664 AE	10.0"	+ 12.1°	92 %	+ 158.7°
04-03-2010	23h45m49s	- 2°59' 26"	331°13' 38"	-39°01' 05"	-3.80 m	1.662 AE	10.0"	+ 12.4°	85 %	+ 146.0°
05-03-2010	23h50m22s	- 2°28' 49"	331°14' 34"	-38°29' 08"	-3.80 m	1.660 AE	10.1"	+ 12.6°	76 %	+ 133.6°
06-03-2010	23h54m54s	- 1°58' 07"	331°15' 36"	-37°57' 09"	-3.80 m	1.658 AE	10.1"	+ 12.9°	67 %	+ 121.7°
07-03-2010	23h59m27s	- 1°27' 21"	331°16' 43"	-37°25' 07"	-3.80 m	1.656 AE	10.1"	+ 13.1°	57 %	+ 110.2°
08-03-2010	0h03m59s	- 0°56' 32"	331°17' 54"	-36°53' 04"	-3.80 m	1.654 AE	10.1"	+ 13.3°	47 %	+ 99.1°
09-03-2010	0h08m31s	- 0°25' 42"	331°19' 09"	-36°21' 00"	-3.80 m	1.652 AE	10.1"	+ 13.6°	37 %	+ 88.3°
10-03-2010	0h13m03s	+ 0°05' 09"	331°20' 25"	-35°48' 54"	-3.80 m	1.649 AE	10.1"	+ 13.8°	28 %	+ 77.7°
11-03-2010	0h17m35s	+ 0°36' 02"	331°21' 43"	-35°16' 49"	-3.80 m	1.647 AE	10.1"	+ 14.1°	20 %	+ 67.3°
12-03-2010	0h22m06s	+ 1°06' 55"	331°23' 01"	-34°44' 44"	-3.80 m	1.645 AE	10.1"	+ 14.3°	13 %	+ 56.9°
13-03-2010	0h26m38s	+ 1°37' 47"	331°24' 19"	-34°12' 40"	-3.80 m	1.642 AE	10.2"	+ 14.6°	7 %	+ 46.6°
14-03-2010	0h31m09s	+ 2°08' 37"	331°25' 35"	-33°40' 38"	-3.80 m	1.640 AE	10.2"	+ 14.8°	3 %	+ 36.2°
15-03-2010	0h35m41s	+ 2°39' 25"	331°26' 49"	-33°08' 37"	-3.80 m	1.637 AE	10.2"	+ 15.0°	0 %	+ 25.8°
16-03-2010	0h40m13s	+ 3°10' 10"	331°28' 00"	-32°36' 39"	-3.80 m	1.635 AE	10.2"	+ 15.3°	0 %	+ 15.5°
17-03-2010	0h44m45s	+ 3°40' 51"	331°29' 06"	-32°04' 44"	-3.80 m	1.632 AE	10.2"	+ 15.5°	1 %	+ 6.5°
18-03-2010	0h49m17s	+ 4°11' 28"	331°30' 08"	-31°32' 53"	-3.80 m	1.629 AE	10.2"	+ 15.8°	4 %	+ 9.1°
19-03-2010	0h53m49s	+ 4°41' 59"	331°31' 05"	-31°01' 06"	-3.80 m	1.627 AE	10.3"	+ 16.0°	9 %	+ 19.3°
20-03-2010	0h58m22s	+ 5°12' 24"	331°31' 56"	-30°29' 24"	-3.80 m	1.624 AE	10.3"	+ 16.2°	16 %	+ 30.4°
21-03-2010	1h02m54s	+ 5°42' 43"	331°32' 40"	-29°57' 47"	-3.80 m	1.621 AE	10.3"	+ 16.5°	24 %	+ 42.0°
22-03-2010	1h07m28s	+ 6°12' 54"	331°33' 16"	-29°26' 15"	-3.81 m	1.618 AE	10.3"	+ 16.7°	34 %	+ 53.9°
23-03-2010	1h12m01s	+ 6°42' 56"	331°33' 45"	-28°54' 50"	-3.81 m	1.615 AE	10.3"	+ 17.0°	44 %	+ 66.1°
24-03-2010	1h16m35s	+ 7°12' 50"	331°34' 04"	-28°23' 32"	-3.81 m	1.612 AE	10.4"	+ 17.2°	55 %	+ 78.7°
25-03-2010	1h21m10s	+ 7°42' 34"	331°34' 15"	-27°52' 22"	-3.81 m	1.609 AE	10.4"	+ 17.4°	66 %	+ 91.5°
26-03-2010	1h25m44s	+ 8°12' 07"	331°34' 15"	-27°21' 19"	-3.81 m	1.606 AE	10.4"	+ 17.7°	77 %	+ 104.8°
27-03-2010	1h30m20s	+ 8°41' 30"	331°34' 05"	-26°50' 25"	-3.81 m	1.603 AE	10.4"	+ 17.9°	86 %	+ 118.3°
28-03-2010	1h34m56s	+ 9°10' 40"	331°33' 44"	-26°19' 40"	-3.81 m	1.600 AE	10.4"	+ 18.2°	93 %	+ 131.9°
29-03-2010	1h39m21s	+ 9°38' 25"	316°39' 55"	-20°14' 29"	-3.81 m	1.597 AE	10.5"	+ 18.4°	97 %	+ 145.1°
30-03-2010	1h43m58s	+10°07' 10"	316°43' 56"	-19°44' 17"	-3.81 m	1.594 AE	10.5"	+ 18.7°	99 %	+ 158.4°
31-03-2010	1h48m36s	+10°35' 41"	316°47' 40"	-19°14' 13"	-3.81 m	1.590 AE	10.5"	+ 18.9°	98 %	+ 170.5°

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Objekt

Planet:
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Datum (0:00 Ortszeit)	Scheinbarer Ort		Azim	Höhe	Helligkeit	Entf.	Winkeld.	Sonne Elong.	Mond	
	RA	Dek							Phase	Winkel
01-04-2010	1h53m14s	+11°03'56"	316°51'09"	-18°44'19"	-3.81 m	1.587 AE	10.5"	+ 19.1°	95 %	+ 171.6°
02-04-2010	1h57m54s	+11°31'57"	316°54'21"	-18°14'35"	-3.81 m	1.584 AE	10.5"	+ 19.4°	89 %	+ 160.6°
03-04-2010	2h02m34s	+11°59'40"	316°57'16"	-17°45'00"	-3.81 m	1.580 AE	10.6"	+ 19.6°	82 %	+ 148.8°
04-04-2010	2h07m15s	+12°27'07"	316°59'53"	-17°15'36"	-3.81 m	1.577 AE	10.6"	+ 19.9°	73 %	+ 137.3°
05-04-2010	2h11m56s	+12°54'16"	317°02'12"	-16°46'23"	-3.81 m	1.573 AE	10.6"	+ 20.1°	64 %	+ 126.1°
06-04-2010	2h16m39s	+13°21'07"	317°04'12"	-16°17'22"	-3.81 m	1.569 AE	10.6"	+ 20.4°	54 %	+ 115.2°
07-04-2010	2h21m22s	+13°47'38"	317°05'53"	-15°48'33"	-3.81 m	1.566 AE	10.7"	+ 20.6°	45 %	+ 104.6°
08-04-2010	2h26m07s	+14°13'49"	317°07'15"	-15°19'56"	-3.81 m	1.562 AE	10.7"	+ 20.9°	35 %	+ 94.0°
09-04-2010	2h30m52s	+14°39'39"	317°08'16"	-14°51'32"	-3.81 m	1.558 AE	10.7"	+ 21.1°	27 %	+ 83.6°
10-04-2010	2h35m38s	+15°05'08"	317°08'58"	-14°23'23"	-3.81 m	1.555 AE	10.7"	+ 21.4°	19 %	+ 73.2°
11-04-2010	2h40m26s	+15°30'15"	317°09'18"	-13°55'27"	-3.81 m	1.551 AE	10.8"	+ 21.6°	12 %	+ 62.6°
12-04-2010	2h45m14s	+15°54'58"	317°09'18"	-13°27'46"	-3.81 m	1.547 AE	10.8"	+ 21.9°	6 %	+ 52.0°
13-04-2010	2h50m03s	+16°19'18"	317°08'57"	-13°00'21"	-3.81 m	1.543 AE	10.8"	+ 22.1°	2 %	+ 41.1°
14-04-2010	2h54m53s	+16°43'13"	317°08'14"	-12°33'11"	-3.81 m	1.539 AE	10.8"	+ 22.3°	0 %	+ 30.1°
15-04-2010	2h59m45s	+17°06'42"	317°07'09"	-12°06'18"	-3.82 m	1.535 AE	10.9"	+ 22.6°	0 %	+ 18.9°
16-04-2010	3h04m37s	+17°29'46"	317°05'42"	-11°39'42"	-3.82 m	1.531 AE	10.9"	+ 22.8°	2 %	+ 7.8°
17-04-2010	3h09m31s	+17°52'23"	317°03'52"	-11°13'24"	-3.82 m	1.526 AE	10.9"	+ 23.1°	6 %	+ 5.8°
18-04-2010	3h14m25s	+18°14'32"	317°01'40"	-10°47'23"	-3.82 m	1.522 AE	11.0"	+ 23.3°	12 %	+ 17.1°
19-04-2010	3h19m21s	+18°36'14"	316°59'06"	-10°21'42"	-3.82 m	1.518 AE	11.0"	+ 23.6°	20 %	+ 29.3°
20-04-2010	3h24m17s	+18°57'26"	316°56'08"	-9°56'20"	-3.82 m	1.514 AE	11.0"	+ 23.8°	29 %	+ 41.8°
21-04-2010	3h29m15s	+19°18'08"	316°52'48"	-9°31'18"	-3.82 m	1.509 AE	11.1"	+ 24.1°	40 %	+ 54.4°
22-04-2010	3h34m14s	+19°38'21"	316°49'04"	-9°06'36"	-3.82 m	1.505 AE	11.1"	+ 24.3°	51 %	+ 67.3°
23-04-2010	3h39m14s	+19°58'02"	316°44'57"	-8°42'16"	-3.82 m	1.500 AE	11.1"	+ 24.5°	63 %	+ 80.4°
24-04-2010	3h44m15s	+20°17'11"	316°40'26"	-8°18'17"	-3.82 m	1.496 AE	11.2"	+ 24.8°	73 %	+ 93.6°
25-04-2010	3h49m17s	+20°35'48"	316°35'32"	-7°54'41"	-3.82 m	1.491 AE	11.2"	+ 25.0°	83 %	+ 106.9°
26-04-2010	3h54m19s	+20°53'52"	316°30'14"	-7°31'27"	-3.82 m	1.487 AE	11.2"	+ 25.3°	91 %	+ 120.3°
27-04-2010	3h59m23s	+21°11'23"	316°24'32"	-7°08'37"	-3.82 m	1.482 AE	11.3"	+ 25.5°	96 %	+ 133.5°
28-04-2010	4h04m28s	+21°28'19"	316°18'27"	-6°46'11"	-3.82 m	1.477 AE	11.3"	+ 25.8°	99 %	+ 146.6°
29-04-2010	4h09m34s	+21°44'40"	316°11'58"	-6°24'09"	-3.82 m	1.472 AE	11.3"	+ 26.0°	99 %	+ 159.3°
30-04-2010	4h14m41s	+22°00'26"	316°05'04"	-6°02'33"	-3.83 m	1.467 AE	11.4"	+ 26.3°	97 %	+ 171.4°

Sichtbarkeit

Datum/Standort

Datum: 01-01-2010
 Zeitraum: 1 Jahr
 Br.: 0°45'21"S
 Län.: 4°13'28"W

Objekt

Planet:
 Venus

Datum (0:00 Ortszeit)	Scheinbarer Ort		Azim	Höhe	Helligkeit	Entf.	Winkeld.	Sonne Elong.	Mond	
	RA	Dek							Phase	Winkel
01-05-2010	4h19m49s	+22°15'35"	315°57'47"	-5°41'22"	-3.83 m	1.463 AE	11.4"	+26.5°	93 %	+174.8°
02-05-2010	4h24m57s	+22°30'08"	315°50'06"	-5°20'37"	-3.83 m	1.458 AE	11.4"	+26.7°	87 %	+163.8°
03-05-2010	4h30m07s	+22°44'04"	315°42'01"	-5°00'18"	-3.83 m	1.453 AE	11.5"	+27.0°	79 %	+152.6°
04-05-2010	4h35m17s	+22°57'22"	315°33'32"	-4°40'27"	-3.83 m	1.448 AE	11.5"	+27.2°	71 %	+141.6°
05-05-2010	4h40m28s	+23°10'02"	315°24'40"	-4°21'03"	-3.83 m	1.442 AE	11.6"	+27.5°	62 %	+130.8°
06-05-2010	4h45m40s	+23°22'04"	315°15'23"	-4°02'08"	-3.83 m	1.437 AE	11.6"	+27.7°	52 %	+120.1°
07-05-2010	4h50m52s	+23°33'26"	315°05'43"	-3°43'41"	-3.83 m	1.432 AE	11.7"	+27.9°	43 %	+109.6°
08-05-2010	4h56m06s	+23°44'09"	314°55'39"	-3°25'44"	-3.83 m	1.427 AE	11.7"	+28.2°	33 %	+99.0°
09-05-2010	5h01m20s	+23°54'11"	314°45'13"	-3°08'16"	-3.83 m	1.422 AE	11.7"	+28.4°	25 %	+88.4°
10-05-2010	5h06m34s	+24°03'33"	314°34'23"	-2°51'19"	-3.83 m	1.416 AE	11.8"	+28.7°	17 %	+77.5°
11-05-2010	5h11m49s	+24°12'15"	314°23'10"	-2°34'52"	-3.83 m	1.411 AE	11.8"	+28.9°	10 %	+66.5°
12-05-2010	5h17m05s	+24°20'15"	314°11'34"	-2°18'57"	-3.84 m	1.405 AE	11.9"	+29.1°	5 %	+55.2°
13-05-2010	5h22m20s	+24°27'34"	313°59'37"	-2°03'33"	-3.84 m	1.400 AE	11.9"	+29.4°	1 %	+43.6°
14-05-2010	5h27m37s	+24°34'11"	313°47'17"	-1°48'42"	-3.84 m	1.394 AE	12.0"	+29.6°	0 %	+31.6°
15-05-2010	5h32m53s	+24°40'06"	313°34'35"	-1°34'23"	-3.84 m	1.389 AE	12.0"	+29.9°	0 %	+19.4°
16-05-2010	5h38m10s	+24°45'19"	313°21'32"	-1°20'38"	-3.84 m	1.383 AE	12.1"	+30.1°	4 %	+7.0°
17-05-2010	5h43m27s	+24°49'50"	313°08'08"	-1°07'26"	-3.84 m	1.377 AE	12.1"	+30.4°	9 %	+5.8°
18-05-2010	5h48m44s	+24°53'38"	312°54'24"	-0°54'48"	-3.84 m	1.372 AE	12.2"	+30.6°	17 %	+18.7°
19-05-2010	5h54m01s	+24°56'43"	312°40'19"	-0°42'44"	-3.84 m	1.366 AE	12.2"	+30.8°	27 %	+31.6°
20-05-2010	5h59m19s	+24°59'06"	312°25'55"	-0°31'15"	-3.84 m	1.360 AE	12.3"	+31.1°	37 %	+44.7°
21-05-2010	6h04m36s	+25°00'45"	312°11'12"	-0°20'22"	-3.85 m	1.354 AE	12.3"	+31.3°	49 %	+57.8°
22-05-2010	6h09m52s	+25°01'42"	311°56'10"	-0°10'04"	-3.85 m	1.348 AE	12.4"	+31.5°	60 %	+70.8°
23-05-2010	6h15m09s	+25°01'57"	311°40'49"	-0°00'21"	-3.85 m	1.342 AE	12.4"	+31.8°	71 %	+83.8°
24-05-2010	6h20m26s	+25°01'28"	311°25'11"	+0°08'44"	-3.85 m	1.336 AE	12.5"	+32.0°	81 %	+96.8°
25-05-2010	6h25m42s	+25°00'17"	311°09'16"	+0°17'13"	-3.85 m	1.330 AE	12.5"	+32.2°	89 %	+109.6°
26-05-2010	6h30m57s	+24°58'23"	310°53'04"	+0°25'06"	-3.85 m	1.324 AE	12.6"	+32.5°	94 %	+122.2°
27-05-2010	6h36m12s	+24°55'46"	310°36'36"	+0°32'22"	-3.85 m	1.318 AE	12.7"	+32.7°	98 %	+134.7°
28-05-2010	6h41m27s	+24°52'28"	310°19'52"	+0°39'01"	-3.86 m	1.312 AE	12.7"	+32.9°	99 %	+146.9°
29-05-2010	6h46m41s	+24°48'27"	310°02'53"	+0°45'02"	-3.86 m	1.305 AE	12.8"	+33.2°	98 %	+158.8°
30-05-2010	6h51m54s	+24°43'44"	309°45'39"	+0°50'26"	-3.86 m	1.299 AE	12.8"	+33.4°	95 %	+170.3°

Sichtbarkeit

Datum/Standort

Datum: 01-01-2010
 Zeitraum: 1 Jahr
 Br.: 0°45'21"S
 Län.: 4°13'28"W

Objekt

Planet:
 Venus

Datum (0:00 Ortszeit)	Scheinbarer Ort		Azim	Höhe	Helligkeit	Entf.	Winkeld.	Sonne Elong.	Mond	
	RA	Dek							Phase	Winkel
31-05-2010	6h57m07s	+24°38' 20"	309°28' 11"	+0°55' 12"	-3.86 m	1.293 AE	12.9"	+ 33.6°	91 %	+ 178.0°
01-06-2010	7h02m19s	+24°32' 14"	309°10' 29"	+0°59' 21"	-3.86 m	1.286 AE	13.0"	+ 33.9°	84 %	+ 167.1°
02-06-2010	7h07m30s	+24°25' 27"	308°52' 35"	+1°02' 51"	-3.86 m	1.280 AE	13.0"	+ 34.1°	77 %	+ 156.3°
03-06-2010	7h12m40s	+24°17' 59"	308°34' 28"	+1°05' 44"	-3.87 m	1.274 AE	13.1"	+ 34.3°	68 %	+ 145.6°
04-06-2010	7h17m49s	+24°09' 51"	308°16' 09"	+1°07' 58"	-3.87 m	1.267 AE	13.2"	+ 34.5°	59 %	+ 134.9°
05-06-2010	7h22m57s	+24°01' 03"	307°57' 39"	+1°09' 35"	-3.87 m	1.261 AE	13.2"	+ 34.8°	50 %	+ 124.3°
06-06-2010	7h28m04s	+23°51' 35"	307°38' 58"	+1°10' 33"	-3.87 m	1.254 AE	13.3"	+ 35.0°	40 %	+ 113.6°
07-06-2010	7h33m10s	+23°41' 28"	307°20' 07"	+1°10' 53"	-3.87 m	1.247 AE	13.4"	+ 35.2°	31 %	+ 102.7°
08-06-2010	7h38m15s	+23°30' 42"	307°01' 06"	+1°10' 35"	-3.88 m	1.241 AE	13.5"	+ 35.4°	22 %	+ 91.6°
09-06-2010	7h43m19s	+23°19' 18"	306°41' 57"	+1°09' 40"	-3.88 m	1.234 AE	13.5"	+ 35.6°	14 %	+ 80.2°
10-06-2010	7h48m22s	+23°07' 16"	306°22' 39"	+1°08' 06"	-3.88 m	1.227 AE	13.6"	+ 35.9°	7 %	+ 68.4°
11-06-2010	7h53m23s	+22°54' 37"	306°03' 14"	+1°05' 54"	-3.88 m	1.220 AE	13.7"	+ 36.1°	3 %	+ 56.2°
12-06-2010	7h58m23s	+22°41' 21"	305°43' 42"	+1°03' 05"	-3.88 m	1.214 AE	13.8"	+ 36.3°	0 %	+ 43.7°
13-06-2010	8h03m22s	+22°27' 29"	305°24' 03"	+0°59' 38"	-3.89 m	1.207 AE	13.8"	+ 36.5°	0 %	+ 30.9°
14-06-2010	8h08m19s	+22°13' 01"	305°04' 18"	+0°55' 34"	-3.89 m	1.200 AE	13.9"	+ 36.7°	2 %	+ 18.1°
15-06-2010	8h13m15s	+21°57' 59"	304°44' 29"	+0°50' 52"	-3.89 m	1.193 AE	14.0"	+ 37.0°	7 %	+ 6.2°
16-06-2010	8h18m09s	+21°42' 22"	304°24' 35"	+0°45' 34"	-3.89 m	1.186 AE	14.1"	+ 37.2°	15 %	+ 10.3°
17-06-2010	8h23m02s	+21°26' 11"	304°04' 37"	+0°39' 38"	-3.90 m	1.179 AE	14.2"	+ 37.4°	24 %	+ 23.0°
18-06-2010	8h27m54s	+21°09' 27"	303°44' 36"	+0°33' 06"	-3.90 m	1.172 AE	14.2"	+ 37.6°	35 %	+ 36.0°
19-06-2010	8h32m43s	+20°52' 11"	303°24' 33"	+0°25' 58"	-3.90 m	1.165 AE	14.3"	+ 37.8°	47 %	+ 49.0°
20-06-2010	8h37m32s	+20°34' 24"	303°04' 27"	+0°18' 14"	-3.90 m	1.158 AE	14.4"	+ 38.0°	58 %	+ 61.8°
21-06-2010	8h42m19s	+20°16' 05"	302°44' 21"	+0°09' 54"	-3.91 m	1.151 AE	14.5"	+ 38.2°	69 %	+ 74.5°
22-06-2010	8h47m04s	+19°57' 16"	302°24' 13"	+0°00' 58"	-3.91 m	1.144 AE	14.6"	+ 38.4°	78 %	+ 86.9°
23-06-2010	8h51m47s	+19°37' 57"	302°04' 06"	-0°08' 31"	-3.91 m	1.136 AE	14.7"	+ 38.6°	86 %	+ 99.1°
24-06-2010	8h56m29s	+19°18' 10"	301°43' 58"	-0°18' 36"	-3.91 m	1.129 AE	14.8"	+ 38.8°	93 %	+ 111.1°
25-06-2010	9h01m10s	+18°57' 54"	301°23' 51"	-0°29' 15"	-3.92 m	1.122 AE	14.9"	+ 39.0°	97 %	+ 122.9°
26-06-2010	9h05m49s	+18°37' 10"	301°03' 46"	-0°40' 28"	-3.92 m	1.115 AE	15.0"	+ 39.2°	99 %	+ 134.5°
27-06-2010	9h10m26s	+18°16' 00"	300°43' 42"	-0°52' 14"	-3.92 m	1.107 AE	15.1"	+ 39.4°	99 %	+ 145.8°
28-06-2010	9h15m01s	+17°54' 23"	300°23' 40"	-1°04' 33"	-3.93 m	1.100 AE	15.2"	+ 39.6°	97 %	+ 156.9°
29-06-2010	9h19m35s	+17°32' 21"	300°03' 41"	-1°17' 24"	-3.93 m	1.093 AE	15.3"	+ 39.8°	94 %	+ 167.6°

Sichtbarkeit

Datum/Standort

Datum: 01-01-2010
 Zeitraum: 1 Jahr
 Br.: 0°45'21"S
 Län.: 4°13'28"W

Objekt

Planet:
 Venus

Datum (0:00 Ortszeit)	Scheinbarer Ort		Azim	Höhe	Helligkeit	Entf.	Winkeld.	Sonne Elong.	Mond	
	RA	Dek							Phase	Winkel
30-06-2010	9h24m08s	+17°09' 54"	299°43' 44"	-1°30' 48"	-3.93 m	1.085 AE	15.4"	+ 40.0°	89 %	+ 175.8°
01-07-2010	9h28m38s	+16°47' 03"	299°23' 51"	-1°44' 42"	-3.94 m	1.078 AE	15.5"	+ 40.2°	82 %	+ 169.3°
02-07-2010	9h33m07s	+16°23' 48"	299°04' 01"	-1°59' 08"	-3.94 m	1.070 AE	15.6"	+ 40.4°	74 %	+ 159.0°
03-07-2010	9h37m35s	+16°00' 11"	298°44' 15"	-2°14' 04"	-3.94 m	1.063 AE	15.7"	+ 40.5°	66 %	+ 148.5°
04-07-2010	9h42m01s	+15°36' 12"	298°24' 33"	-2°29' 29"	-3.95 m	1.055 AE	15.8"	+ 40.7°	56 %	+ 137.8°
05-07-2010	9h46m25s	+15°11' 51"	298°04' 56"	-2°45' 24"	-3.95 m	1.048 AE	15.9"	+ 40.9°	47 %	+ 126.9°
06-07-2010	9h50m48s	+14°47' 10"	297°45' 24"	-3°01' 47"	-3.96 m	1.040 AE	16.0"	+ 41.1°	37 %	+ 115.8°
07-07-2010	9h55m09s	+14°22' 09"	297°25' 56"	-3°18' 38"	-3.96 m	1.033 AE	16.2"	+ 41.3°	27 %	+ 104.3°
08-07-2010	9h59m29s	+13°56' 49"	297°06' 34"	-3°35' 57"	-3.96 m	1.025 AE	16.3"	+ 41.5°	18 %	+ 92.4°
09-07-2010	10h03m47s	+13°31' 10"	296°47' 18"	-3°53' 43"	-3.97 m	1.017 AE	16.4"	+ 41.6°	11 %	+ 80.1°
10-07-2010	10h08m03s	+13°05' 13"	296°28' 07"	-4°11' 54"	-3.97 m	1.010 AE	16.5"	+ 41.8°	4 %	+ 67.4°
11-07-2010	10h12m19s	+12°39' 00"	296°09' 03"	-4°30' 31"	-3.98 m	1.002 AE	16.7"	+ 42.0°	1 %	+ 54.4°
12-07-2010	10h16m32s	+12°12' 29"	295°50' 05"	-4°49' 34"	-3.98 m	0.994 AE	16.8"	+ 42.1°	0 %	+ 41.0°
13-07-2010	10h20m44s	+11°45' 44"	295°31' 13"	-5°09' 00"	-3.98 m	0.987 AE	16.9"	+ 42.3°	1 %	+ 27.6°
14-07-2010	10h24m55s	+11°18' 43"	295°12' 29"	-5°28' 50"	-3.99 m	0.979 AE	17.0"	+ 42.5°	6 %	+ 14.6°
15-07-2010	10h29m04s	+10°51' 28"	294°53' 52"	-5°49' 04"	-3.99 m	0.971 AE	17.2"	+ 42.6°	13 %	+ 6.5°
16-07-2010	10h33m12s	+10°23' 59"	294°35' 22"	-6°09' 39"	-4.00 m	0.964 AE	17.3"	+ 42.8°	22 %	+ 15.4°
17-07-2010	10h37m19s	+ 9°56' 18"	294°17' 00"	-6°30' 37"	-4.00 m	0.956 AE	17.5"	+ 42.9°	33 %	+ 28.0°
18-07-2010	10h41m24s	+ 9°28' 25"	293°58' 46"	-6°51' 55"	-4.01 m	0.948 AE	17.6"	+ 43.1°	44 %	+ 40.7°
19-07-2010	10h45m27s	+ 9°00' 20"	293°40' 40"	-7°13' 34"	-4.01 m	0.940 AE	17.8"	+ 43.2°	55 %	+ 53.1°
20-07-2010	10h49m29s	+ 8°32' 05"	293°22' 43"	-7°35' 34"	-4.02 m	0.932 AE	17.9"	+ 43.4°	66 %	+ 65.4°
21-07-2010	10h53m30s	+ 8°03' 39"	293°04' 54"	-7°57' 52"	-4.02 m	0.924 AE	18.1"	+ 43.5°	75 %	+ 77.3°
22-07-2010	10h57m30s	+ 7°35' 05"	292°47' 14"	-8°20' 29"	-4.03 m	0.917 AE	18.2"	+ 43.7°	84 %	+ 89.1°
23-07-2010	11h01m28s	+ 7°06' 21"	292°29' 43"	-8°43' 24"	-4.03 m	0.909 AE	18.4"	+ 43.8°	90 %	+ 100.6°
24-07-2010	11h05m24s	+ 6°37' 30"	292°12' 21"	-9°06' 36"	-4.04 m	0.901 AE	18.5"	+ 43.9°	95 %	+ 111.9°
25-07-2010	11h09m20s	+ 6°08' 31"	291°55' 09"	-9°30' 05"	-4.04 m	0.893 AE	18.7"	+ 44.1°	98 %	+ 123.1°
26-07-2010	11h13m14s	+ 5°39' 26"	291°38' 06"	-9°53' 50"	-4.05 m	0.885 AE	18.9"	+ 44.2°	99 %	+ 134.1°
27-07-2010	11h17m07s	+ 5°10' 14"	291°21' 12"	-10°17' 51"	-4.06 m	0.877 AE	19.0"	+ 44.3°	99 %	+ 145.0°
28-07-2010	11h20m59s	+ 4°40' 57"	291°04' 28"	-10°42' 06"	-4.06 m	0.869 AE	19.2"	+ 44.4°	96 %	+ 155.8°
29-07-2010	11h24m49s	+ 4°11' 35"	290°47' 54"	-11°06' 36"	-4.07 m	0.861 AE	19.4"	+ 44.5°	92 %	+ 166.3°

Sichtbarkeit

Datum/Standort

Datum: 01-01-2010
 Zeitraum: 1 Jahr
 Br.: 0°45'21"S
 Län.: 4°13'28"W

Objekt

Planet:
 Venus

Datum (0:00 Ortszeit)	Scheinbarer Ort		Azim	Höhe	Helligkeit	Entf.	Winkeld.	Sonne Elong.	Mond	
	RA	Dek							Phase	Winkel
30-07-2010	11h28m38s	+ 3° 42 ' 09"	290° 31 ' 29"	-11° 31 ' 19"	-4.07 m	0.853 AE	19.6"	+ 44.7°	87 %	+ 175.1°
31-07-2010	11h32m26s	+ 3° 12 ' 39"	290° 15 ' 14"	-11° 56 ' 15"	-4.08 m	0.845 AE	19.7"	+ 44.8°	80 %	+ 170.4°
01-08-2010	11h36m13s	+ 2° 43 ' 06"	289° 59 ' 10"	-12° 21 ' 23"	-4.09 m	0.837 AE	19.9"	+ 44.9°	71 %	+ 160.1°
02-08-2010	11h39m58s	+ 2° 13 ' 31"	289° 43 ' 15"	-12° 46 ' 43"	-4.09 m	0.829 AE	20.1"	+ 45.0°	62 %	+ 149.2°
03-08-2010	11h43m43s	+ 1° 43 ' 54"	289° 27 ' 31"	-13° 12 ' 15"	-4.10 m	0.821 AE	20.3"	+ 45.1°	53 %	+ 138.0°
04-08-2010	11h47m26s	+ 1° 14 ' 16"	289° 11 ' 57"	-13° 37 ' 56"	-4.10 m	0.814 AE	20.5"	+ 45.2°	42 %	+ 126.5°
05-08-2010	11h51m08s	+ 0° 44 ' 37"	288° 56 ' 34"	-14° 03 ' 48"	-4.11 m	0.806 AE	20.7"	+ 45.3°	32 %	+ 114.6°
06-08-2010	11h54m49s	+ 0° 14 ' 58"	288° 41 ' 22"	-14° 29 ' 49"	-4.12 m	0.798 AE	20.9"	+ 45.3°	22 %	+ 102.2°
07-08-2010	11h58m29s	- 0° 14 ' 39"	288° 26 ' 20"	-14° 55 ' 59"	-4.12 m	0.790 AE	21.1"	+ 45.4°	14 %	+ 89.4°
08-08-2010	12h02m07s	- 0° 44 ' 16"	288° 11 ' 30"	-15° 22 ' 18"	-4.13 m	0.782 AE	21.4"	+ 45.5°	7 %	+ 76.2°
09-08-2010	12h05m45s	- 1° 13 ' 51"	287° 56 ' 51"	-15° 48 ' 44"	-4.14 m	0.774 AE	21.6"	+ 45.5°	2 %	+ 62.5°
10-08-2010	12h09m21s	- 1° 43 ' 24"	287° 42 ' 24"	-16° 15 ' 18"	-4.14 m	0.766 AE	21.8"	+ 45.6°	0 %	+ 48.7°
11-08-2010	12h12m56s	- 2° 12 ' 53"	287° 28 ' 09"	-16° 41 ' 58"	-4.15 m	0.758 AE	22.0"	+ 45.7°	1 %	+ 34.7°
12-08-2010	12h16m30s	- 2° 42 ' 19"	287° 14 ' 07"	-17° 08 ' 45"	-4.16 m	0.750 AE	22.3"	+ 45.7°	5 %	+ 20.9°
13-08-2010	12h20m03s	- 3° 11 ' 40"	287° 00 ' 18"	-17° 35 ' 38"	-4.17 m	0.742 AE	22.5"	+ 45.8°	11 %	+ 8.2°
14-08-2010	12h23m35s	- 3° 40 ' 56"	286° 46 ' 43"	-18° 02 ' 37"	-4.17 m	0.734 AE	22.7"	+ 45.8°	20 %	+ 8.7°
15-08-2010	12h27m05s	- 4° 10 ' 07"	286° 33 ' 21"	-18° 29 ' 41"	-4.18 m	0.726 AE	23.0"	+ 45.9°	30 %	+ 20.9°
16-08-2010	12h30m35s	- 4° 39 ' 11"	286° 20 ' 15"	-18° 56 ' 50"	-4.19 m	0.718 AE	23.3"	+ 45.9°	41 %	+ 33.4°
17-08-2010	12h34m03s	- 5° 08 ' 07"	286° 07 ' 24"	-19° 24 ' 03"	-4.19 m	0.710 AE	23.5"	+ 45.9°	51 %	+ 45.7°
18-08-2010	12h37m29s	- 5° 36 ' 57"	285° 54 ' 49"	-19° 51 ' 21"	-4.20 m	0.702 AE	23.8"	+ 45.9°	62 %	+ 57.6°
19-08-2010	12h40m55s	- 6° 05 ' 38"	285° 42 ' 30"	-20° 18 ' 43"	-4.21 m	0.694 AE	24.1"	+ 46.0°	71 %	+ 69.3°
20-08-2010	12h44m19s	- 6° 34 ' 10"	285° 30 ' 29"	-20° 46 ' 09"	-4.22 m	0.686 AE	24.3"	+ 46.0°	80 %	+ 80.8°
21-08-2010	12h47m42s	- 7° 02 ' 32"	285° 18 ' 46"	-21° 13 ' 38"	-4.22 m	0.678 AE	24.6"	+ 46.0°	87 %	+ 92.1°
22-08-2010	12h51m03s	- 7° 30 ' 44"	285° 07 ' 22"	-21° 41 ' 11"	-4.23 m	0.670 AE	24.9"	+ 46.0°	93 %	+ 103.3°
23-08-2010	12h54m23s	- 7° 58 ' 45"	284° 56 ' 18"	-22° 08 ' 47"	-4.24 m	0.662 AE	25.2"	+ 45.9°	97 %	+ 114.4°
24-08-2010	12h57m42s	- 8° 26 ' 35"	284° 45 ' 34"	-22° 36 ' 26"	-4.25 m	0.654 AE	25.5"	+ 45.9°	99 %	+ 125.4°
25-08-2010	13h00m59s	- 8° 54 ' 13"	284° 35 ' 11"	-23° 04 ' 09"	-4.26 m	0.646 AE	25.8"	+ 45.9°	99 %	+ 136.4°
26-08-2010	13h04m14s	- 9° 21 ' 39"	284° 25 ' 11"	-23° 31 ' 54"	-4.26 m	0.638 AE	26.2"	+ 45.8°	98 %	+ 147.3°
27-08-2010	13h07m28s	- 9° 48 ' 51"	284° 15 ' 34"	-23° 59 ' 43"	-4.27 m	0.630 AE	26.5"	+ 45.8°	95 %	+ 158.4°
28-08-2010	13h10m40s	-10° 15 ' 49"	284° 06 ' 22"	-24° 27 ' 34"	-4.28 m	0.622 AE	26.8"	+ 45.7°	90 %	+ 169.4°

Sichtbarkeit

Datum/Standort

Datum: 01-01-2010
 Zeitraum: 1 Jahr
 Br.: 0°45'21"S
 Län.: 4°13'28"W

Objekt

Planet:
 Venus

Datum (0:00 Ortszeit)	Scheinbarer Ort		Azim	Höhe	Helligkeit	Entf.	Winkeld.	Sonne Elong.	Mond	
	RA	Dek							Phase	Winkel
29-08-2010	13h13m51s	-10°42'32"	283°57'36"	-24°55'29"	-4.29 m	0.614 AE	27.2"	+45.6°	84 %	+178.3°
30-08-2010	13h16m59s	-11°09'01"	283°49'16"	-25°23'26"	-4.30 m	0.607 AE	27.5"	+45.6°	77 %	+167.8°
31-08-2010	13h20m06s	-11°35'14"	283°41'24"	-25°51'27"	-4.30 m	0.599 AE	27.9"	+45.5°	68 %	+156.3°
01-09-2010	13h23m11s	-12°01'10"	283°34'02"	-26°19'31"	-4.31 m	0.591 AE	28.2"	+45.4°	58 %	+144.6°
02-09-2010	13h26m14s	-12°26'49"	283°27'11"	-26°47'39"	-4.32 m	0.583 AE	28.6"	+45.3°	48 %	+132.4°
03-09-2010	13h29m15s	-12°52'11"	283°20'52"	-27°15'51"	-4.33 m	0.576 AE	29.0"	+45.1°	37 %	+119.9°
04-09-2010	13h32m14s	-13°17'14"	283°15'07"	-27°44'06"	-4.33 m	0.568 AE	29.4"	+45.0°	27 %	+107.0°
05-09-2010	13h35m11s	-13°41'58"	283°09'58"	-28°12'26"	-4.34 m	0.560 AE	29.8"	+44.9°	17 %	+93.6°
06-09-2010	13h38m05s	-14°06'23"	283°05'27"	-28°40'52"	-4.35 m	0.552 AE	30.2"	+44.7°	9 %	+79.8°
07-09-2010	13h40m57s	-14°30'26"	283°01'36"	-29°09'22"	-4.36 m	0.545 AE	30.6"	+44.6°	3 %	+65.7°
08-09-2010	13h43m47s	-14°54'09"	282°58'27"	-29°37'58"	-4.36 m	0.537 AE	31.1"	+44.4°	0 %	+51.4°
09-09-2010	13h46m34s	-15°17'30"	282°56'03"	-30°06'41"	-4.37 m	0.530 AE	31.5"	+44.2°	0 %	+37.0°
10-09-2010	13h49m18s	-15°40'27"	282°54'26"	-30°35'31"	-4.38 m	0.522 AE	32.0"	+44.0°	3 %	+22.8°
11-09-2010	13h51m59s	-16°03'02"	282°53'39"	-31°04'29"	-4.39 m	0.514 AE	32.4"	+43.8°	9 %	+8.9°
12-09-2010	13h54m36s	-16°25'11"	282°53'45"	-31°33'35"	-4.39 m	0.507 AE	32.9"	+43.5°	17 %	+4.9°
13-09-2010	13h57m11s	-16°46'55"	282°54'48"	-32°02'52"	-4.40 m	0.500 AE	33.4"	+43.3°	26 %	+18.0°
14-09-2010	13h59m42s	-17°08'13"	282°56'51"	-32°32'18"	-4.41 m	0.492 AE	33.9"	+43.0°	36 %	+30.7°
15-09-2010	14h02m10s	-17°29'03"	282°59'57"	-33°01'57"	-4.41 m	0.485 AE	34.4"	+42.7°	46 %	+43.1°
16-09-2010	14h04m34s	-17°49'25"	283°04'10"	-33°31'47"	-4.42 m	0.477 AE	35.0"	+42.4°	56 %	+55.1°
17-09-2010	14h06m53s	-18°09'18"	283°09'34"	-34°01'52"	-4.42 m	0.470 AE	35.5"	+42.1°	66 %	+66.9°
18-09-2010	14h09m09s	-18°28'40"	283°16'14"	-34°32'10"	-4.43 m	0.463 AE	36.0"	+41.7°	75 %	+78.4°
19-09-2010	14h11m20s	-18°47'31"	283°24'14"	-35°02'45"	-4.43 m	0.456 AE	36.6"	+41.4°	83 %	+89.9°
20-09-2010	14h13m27s	-19°05'50"	283°33'39"	-35°33'36"	-4.44 m	0.449 AE	37.2"	+41.0°	89 %	+101.2°
21-09-2010	14h15m29s	-19°23'35"	283°44'33"	-36°04'46"	-4.44 m	0.442 AE	37.8"	+40.6°	94 %	+112.6°
22-09-2010	14h17m25s	-19°40'44"	283°57'03"	-36°36'14"	-4.45 m	0.435 AE	38.4"	+40.1°	97 %	+124.0°
23-09-2010	14h19m17s	-19°57'18"	284°11'13"	-37°08'02"	-4.45 m	0.428 AE	39.0"	+39.7°	99 %	+135.5°
24-09-2010	14h21m03s	-20°13'14"	284°27'10"	-37°40'12"	-4.45 m	0.421 AE	39.7"	+39.2°	99 %	+147.0°
25-09-2010	14h22m43s	-20°28'32"	284°45'00"	-38°12'44"	-4.46 m	0.414 AE	40.3"	+38.7°	97 %	+158.7°
26-09-2010	14h24m17s	-20°43'09"	285°04'50"	-38°45'39"	-4.46 m	0.407 AE	41.0"	+38.2°	93 %	+170.3°
27-09-2010	14h25m45s	-20°57'04"	285°26'47"	-39°18'57"	-4.46 m	0.401 AE	41.6"	+37.6°	88 %	+176.2°

Sichtbarkeit

Datum/Standort

Datum: 01-01-2010
 Zeitraum: 1 Jahr
 Br.: 0°45'21"S
 Län.: 4°13'28"W

Objekt

Planet:
 Venus

Datum (0:00 Ortszeit)	Scheinbarer Ort		Azm	Höhe	Helligkeit	Entf.	Winkeld.	Sonne Elong.	Mond	
	RA	Dek							Phase	Winkel
28-09-2010	14h27m06s	-21° 10 ' 15"	285° 50 ' 58"	-39° 52 ' 41"	-4.46 m	0.394 AE	42.3"	+ 37.0°	81 %	+ 164.8°
29-09-2010	14h28m21s	-21° 22 ' 41"	286° 17 ' 32"	-40° 26 ' 49"	-4.46 m	0.388 AE	43.0"	+ 36.4°	72 %	+ 152.4°
30-09-2010	14h29m29s	-21° 34 ' 20"	286° 46 ' 37"	-41° 01 ' 23"	-4.46 m	0.382 AE	43.7"	+ 35.8°	63 %	+ 139.7°
01-10-2010	14h30m29s	-21° 45 ' 10"	287° 18 ' 21"	-41° 36 ' 22"	-4.45 m	0.375 AE	44.5"	+ 35.1°	52 %	+ 126.7°
02-10-2010	14h31m22s	-21° 55 ' 10"	287° 52 ' 56"	-42° 11 ' 47"	-4.45 m	0.369 AE	45.2"	+ 34.4°	41 %	+ 113.3°
03-10-2010	14h32m07s	-22° 04 ' 16"	288° 30 ' 30"	-42° 47 ' 37"	-4.45 m	0.363 AE	45.9"	+ 33.7°	30 %	+ 99.5°
04-10-2010	14h32m44s	-22° 12 ' 27"	289° 11 ' 14"	-43° 23 ' 51"	-4.44 m	0.357 AE	46.7"	+ 32.9°	20 %	+ 85.3°
05-10-2010	14h33m13s	-22° 19 ' 40"	289° 55 ' 21"	-44° 00 ' 28"	-4.43 m	0.352 AE	47.4"	+ 32.1°	12 %	+ 70.9°
06-10-2010	14h33m34s	-22° 25 ' 54"	290° 43 ' 00"	-44° 37 ' 26"	-4.43 m	0.346 AE	48.2"	+ 31.3°	5 %	+ 56.2°
07-10-2010	14h33m46s	-22° 31 ' 05"	291° 34 ' 26"	-45° 14 ' 43"	-4.42 m	0.341 AE	49.0"	+ 30.4°	1 %	+ 41.4°
08-10-2010	14h33m49s	-22° 35 ' 12"	292° 29 ' 51"	-45° 52 ' 17"	-4.41 m	0.335 AE	49.8"	+ 29.5°	0 %	+ 26.6°
09-10-2010	14h33m44s	-22° 38 ' 11"	293° 29 ' 29"	-46° 30 ' 03"	-4.40 m	0.330 AE	50.5"	+ 28.5°	2 %	+ 12.1°
10-10-2010	14h33m29s	-22° 40 ' 01"	294° 33 ' 34"	-47° 07 ' 58"	-4.38 m	0.325 AE	51.3"	+ 27.6°	6 %	+ 3.6°
11-10-2010	14h33m05s	-22° 40 ' 37"	295° 42 ' 20"	-47° 45 ' 56"	-4.37 m	0.320 AE	52.1"	+ 26.5°	13 %	+ 16.7°
12-10-2010	14h32m33s	-22° 39 ' 59"	296° 56 ' 02"	-48° 23 ' 50"	-4.35 m	0.316 AE	52.9"	+ 25.5°	21 %	+ 30.3°
13-10-2010	14h31m51s	-22° 38 ' 04"	298° 14 ' 52"	-49° 01 ' 35"	-4.33 m	0.311 AE	53.6"	+ 24.4°	30 %	+ 43.5°
14-10-2010	14h31m00s	-22° 34 ' 49"	299° 39 ' 05"	-49° 39 ' 01"	-4.31 m	0.307 AE	54.4"	+ 23.3°	40 %	+ 56.4°
15-10-2010	14h30m00s	-22° 30 ' 12"	301° 08 ' 53"	-50° 15 ' 58"	-4.29 m	0.303 AE	55.1"	+ 22.1°	50 %	+ 69.0°
16-10-2010	14h28m52s	-22° 24 ' 12"	302° 44 ' 27"	-50° 52 ' 17"	-4.27 m	0.299 AE	55.8"	+ 20.9°	59 %	+ 81.4°
17-10-2010	14h27m35s	-22° 16 ' 48"	304° 25 ' 56"	-51° 27 ' 45"	-4.25 m	0.295 AE	56.5"	+ 19.6°	69 %	+ 93.7°
18-10-2010	14h26m10s	-22° 07 ' 57"	306° 13 ' 26"	-52° 02 ' 10"	-4.22 m	0.292 AE	57.2"	+ 18.4°	77 %	+ 105.9°
19-10-2010	14h24m37s	-21° 57 ' 41"	308° 07 ' 01"	-52° 35 ' 17"	-4.19 m	0.289 AE	57.8"	+ 17.1°	84 %	+ 118.2°
20-10-2010	14h22m58s	-21° 45 ' 59"	310° 06 ' 41"	-53° 06 ' 52"	-4.16 m	0.286 AE	58.4"	+ 15.8°	90 %	+ 130.5°
21-10-2010	14h21m12s	-21° 32 ' 52"	312° 12 ' 19"	-53° 36 ' 40"	-4.13 m	0.283 AE	58.9"	+ 14.5°	95 %	+ 143.0°
22-10-2010	14h19m20s	-21° 18 ' 21"	314° 23 ' 47"	-54° 04 ' 25"	-4.10 m	0.281 AE	59.4"	+ 13.2°	98 %	+ 155.6°
23-10-2010	14h17m23s	-21° 02 ' 28"	316° 40 ' 48"	-54° 29 ' 53"	-4.07 m	0.279 AE	59.9"	+ 11.9°	99 %	+ 168.3°
24-10-2010	14h15m22s	-20° 45 ' 18"	319° 02 ' 59"	-54° 52 ' 48"	-4.03 m	0.277 AE	1.005'	+ 10.6°	99 %	+ 176.4°
25-10-2010	14h13m17s	-20° 26 ' 52"	321° 29 ' 52"	-55° 12 ' 56"	-4.00 m	0.275 AE	1.011'	+ 9.3°	96 %	+ 164.6°
26-10-2010	14h11m10s	-20° 07 ' 17"	324° 00 ' 52"	-55° 30 ' 07"	-3.97 m	0.274 AE	1.016'	+ 8.2°	91 %	+ 151.3°
27-10-2010	14h09m01s	-19° 46 ' 38"	326° 35 ' 19"	-55° 44 ' 09"	-3.94 m	0.273 AE	1.019'	+ 7.2°	85 %	+ 137.7°

Sichtbarkeit

Datum/Standort

Datum: 01-01-2010
 Zeitraum: 1 Jahr
 Br.: 0°45'21"S
 Län.: 4°13'28"W

Objekt

Planet:
 Venus

Datum (0:00 Ortszeit)	Scheinbarer Ort		Azim	Höhe	Helligkeit	Entf.	Winkeld.	Sonne Elong.	Mond	
	RA	Dek							Phase	Winkel
28-10-2010	14h06m51s	-19°25'00"	329°12'25"	-55°54'55"	-3.92 m	0.272 AE	1.022'	+6.4°	77 %	+123.8°
29-10-2010	14h04m42s	-19°02'31"	331°51'22"	-56°02'21"	-3.91 m	0.272 AE	1.024'	+6.0°	67 %	+109.7°
30-10-2010	14h02m34s	-18°39'17"	334°31'16"	-56°06'23"	-3.91 m	0.272 AE	1.024'	+6.0°	56 %	+95.4°
31-10-2010	14h00m28s	-18°15'28"	337°11'15"	-56°07'04"	-3.92 m	0.272 AE	1.024'	+6.4°	45 %	+80.9°
01-11-2010	13h58m20s	-17°50'09"	5°59'38"	-57°14'57"	-3.95 m	0.272 AE	1.022'	+7.1°	34 %	+65.5°
02-11-2010	13h56m22s	-17°25'31"	8°30'40"	-56°43'16"	-3.98 m	0.273 AE	1.019'	+8.1°	23 %	+50.6°
03-11-2010	13h54m28s	-17°00'43"	10°56'08"	-56°09'12"	-4.01 m	0.274 AE	1.015'	+9.3°	14 %	+35.6°
04-11-2010	13h52m39s	-16°35'52"	13°15'44"	-55°33'05"	-4.05 m	0.275 AE	1.010'	+10.5°	7 %	+20.6°
05-11-2010	13h50m56s	-16°11'08"	15°29'17"	-54°55'17"	-4.08 m	0.277 AE	1.005'	+11.8°	2 %	+5.6°
06-11-2010	13h49m20s	-15°46'38"	17°36'45"	-54°16'09"	-4.12 m	0.279 AE	59.9"	+13.1°	0 %	+9.3°
07-11-2010	13h47m52s	-15°22'29"	19°38'08"	-53°36'01"	-4.15 m	0.281 AE	59.4"	+14.4°	0 %	+23.9°
08-11-2010	13h46m31s	-14°58'49"	21°33'33"	-52°55'13"	-4.19 m	0.283 AE	58.9"	+15.8°	4 %	+38.1°
09-11-2010	13h45m18s	-14°35'45"	23°23'09"	-52°14'04"	-4.22 m	0.286 AE	58.4"	+17.1°	9 %	+51.9°
10-11-2010	13h44m13s	-14°13'23"	25°07'07"	-51°32'51"	-4.25 m	0.289 AE	57.8"	+18.4°	16 %	+65.3°
11-11-2010	13h43m17s	-13°51'48"	26°45'41"	-50°51'49"	-4.28 m	0.292 AE	57.1"	+19.7°	24 %	+78.3°
12-11-2010	13h42m30s	-13°31'05"	28°19'06"	-50°11'13"	-4.31 m	0.295 AE	56.5"	+21.0°	33 %	+91.0°
13-11-2010	13h41m52s	-13°11'19"	29°47'37"	-49°31'15"	-4.34 m	0.299 AE	55.8"	+22.2°	43 %	+103.3°
14-11-2010	13h41m23s	-12°52'34"	31°11'29"	-48°52'07"	-4.36 m	0.303 AE	55.1"	+23.4°	52 %	+115.5°
15-11-2010	13h41m03s	-12°34'52"	32°30'58"	-48°13'58"	-4.38 m	0.307 AE	54.4"	+24.6°	61 %	+127.5°
16-11-2010	13h40m53s	-12°18'16"	33°46'21"	-47°36'56"	-4.40 m	0.311 AE	53.6"	+25.7°	70 %	+139.5°
17-11-2010	13h40m51s	-12°02'48"	34°57'51"	-47°01'09"	-4.42 m	0.316 AE	52.9"	+26.8°	79 %	+151.4°
18-11-2010	13h40m58s	-11°48'29"	36°05'43"	-46°26'42"	-4.44 m	0.320 AE	52.1"	+27.8°	86 %	+163.4°
19-11-2010	13h41m14s	-11°35'21"	37°10'11"	-45°53'39"	-4.46 m	0.325 AE	51.4"	+28.9°	92 %	+174.8°
20-11-2010	13h41m39s	-11°23'23"	38°11'28"	-45°22'05"	-4.47 m	0.330 AE	50.6"	+29.8°	96 %	+170.8°
21-11-2010	13h42m12s	-11°12'36"	39°09'46"	-44°52'02"	-4.48 m	0.335 AE	49.8"	+30.8°	99 %	+158.4°
22-11-2010	13h42m54s	-11°03'00"	40°05'17"	-44°23'32"	-4.49 m	0.340 AE	49.0"	+31.7°	99 %	+145.5°
23-11-2010	13h43m44s	-10°54'33"	40°58'11"	-43°56'35"	-4.50 m	0.346 AE	48.3"	+32.5°	98 %	+132.4°
24-11-2010	13h44m43s	-10°47'15"	41°48'39"	-43°31'13"	-4.51 m	0.351 AE	47.5"	+33.4°	94 %	+119.1°
25-11-2010	13h45m48s	-10°41'05"	42°36'50"	-43°07'25"	-4.52 m	0.357 AE	46.7"	+34.2°	88 %	+105.6°
26-11-2010	13h47m02s	-10°36'01"	43°22'54"	-42°45'11"	-4.53 m	0.363 AE	46.0"	+34.9°	80 %	+92.0°

Sichtbarkeit

Datum/Standort

Datum: 01-01-2010
 Zeitraum: 1 Jahr
 Br.: 0°45'21"S
 Län.: 4°13'28"W

Objekt

Planet:
 Venus

Datum (0:00 Ortszeit)	Scheinbarer Ort		Azim	Höhe	Helligkeit	Entf.	Winkeld.	Sonne Elong.	Mond	
	RA	Dek							Phase	Winkel
27-11-2010	13h48m23s	-10°32'02"	44°06'57"	-42°24'29"	-4.53 m	0.369 AE	45.3"	+ 35.7°	71 %	+ 78.4°
28-11-2010	13h49m51s	-10°29'05"	44°49'08"	-42°05'18"	-4.54 m	0.375 AE	44.5"	+ 36.4°	60 %	+ 64.8°
29-11-2010	13h51m25s	-10°27'10"	45°29'34"	-41°47'36"	-4.54 m	0.381 AE	43.8"	+ 37.0°	48 %	+ 51.1°
30-11-2010	13h53m07s	-10°26'14"	46°08'21"	-41°31'22"	-4.54 m	0.387 AE	43.1"	+ 37.6°	37 %	+ 37.5°
01-12-2010	13h54m55s	-10°26'15"	46°45'36"	-41°16'32"	-4.54 m	0.393 AE	42.4"	+ 38.3°	26 %	+ 24.2°
02-12-2010	13h56m49s	-10°27'10"	47°21'24"	-41°03'06"	-4.54 m	0.400 AE	41.7"	+ 38.8°	17 %	+ 11.7°
03-12-2010	13h58m49s	-10°28'59"	47°55'50"	-40°50'59"	-4.54 m	0.406 AE	41.1"	+ 39.4°	9 %	+ 7.6°
04-12-2010	14h00m55s	-10°31'38"	48°28'59"	-40°40'11"	-4.54 m	0.413 AE	40.4"	+ 39.9°	3 %	+ 18.4°
05-12-2010	14h03m06s	-10°35'06"	49°00'56"	-40°30'37"	-4.54 m	0.420 AE	39.8"	+ 40.4°	0 %	+ 31.1°
06-12-2010	14h05m23s	-10°39'19"	49°31'45"	-40°22'16"	-4.54 m	0.426 AE	39.1"	+ 40.9°	0 %	+ 43.8°
07-12-2010	14h07m45s	-10°44'18"	50°01'29"	-40°15'05"	-4.54 m	0.433 AE	38.5"	+ 41.3°	1 %	+ 56.2°
08-12-2010	14h10m12s	-10°49'58"	50°30'12"	-40°09'01"	-4.54 m	0.440 AE	37.9"	+ 41.7°	5 %	+ 68.4°
09-12-2010	14h12m43s	-10°56'18"	50°57'56"	-40°04'03"	-4.53 m	0.447 AE	37.3"	+ 42.1°	11 %	+ 80.3°
10-12-2010	14h15m20s	-11°03'16"	51°24'45"	-40°00'07"	-4.53 m	0.454 AE	36.8"	+ 42.5°	18 %	+ 91.9°
11-12-2010	14h18m00s	-11°10'51"	51°50'40"	-39°57'10"	-4.52 m	0.461 AE	36.2"	+ 42.9°	26 %	+ 103.3°
12-12-2010	14h20m46s	-11°18'59"	52°15'44"	-39°55'12"	-4.52 m	0.468 AE	35.7"	+ 43.2°	35 %	+ 114.4°
13-12-2010	14h23m35s	-11°27'40"	52°40'00"	-39°54'09"	-4.52 m	0.475 AE	35.1"	+ 43.5°	44 %	+ 125.4°
14-12-2010	14h26m28s	-11°36'51"	53°03'28"	-39°54'00"	-4.51 m	0.482 AE	34.6"	+ 43.8°	53 %	+ 136.4°
15-12-2010	14h29m25s	-11°46'31"	53°26'10"	-39°54'41"	-4.50 m	0.489 AE	34.1"	+ 44.1°	63 %	+ 147.3°
16-12-2010	14h32m27s	-11°56'37"	53°48'08"	-39°56'11"	-4.50 m	0.497 AE	33.6"	+ 44.4°	71 %	+ 158.3°
17-12-2010	14h35m31s	-12°07'08"	54°09'24"	-39°58'29"	-4.49 m	0.504 AE	33.1"	+ 44.6°	80 %	+ 168.6°
18-12-2010	14h38m40s	-12°18'03"	54°29'57"	-40°01'31"	-4.49 m	0.511 AE	32.7"	+ 44.8°	87 %	+ 172.8°
19-12-2010	14h41m52s	-12°29'19"	54°49'50"	-40°05'16"	-4.48 m	0.518 AE	32.2"	+ 45.0°	93 %	+ 163.8°
20-12-2010	14h45m07s	-12°40'54"	55°09'02"	-40°09'42"	-4.47 m	0.526 AE	31.7"	+ 45.3°	97 %	+ 151.9°
21-12-2010	14h48m26s	-12°52'48"	55°27'35"	-40°14'47"	-4.47 m	0.533 AE	31.3"	+ 45.5°	99 %	+ 139.4°
22-12-2010	14h51m48s	-13°04'58"	55°45'30"	-40°20'30"	-4.46 m	0.541 AE	30.9"	+ 45.6°	99 %	+ 126.4°
23-12-2010	14h55m13s	-13°17'23"	56°02'46"	-40°26'48"	-4.45 m	0.548 AE	30.5"	+ 45.8°	96 %	+ 113.1°
24-12-2010	14h58m41s	-13°30'02"	56°19'24"	-40°33'40"	-4.45 m	0.555 AE	30.0"	+ 45.9°	91 %	+ 99.7°
25-12-2010	15h02m12s	-13°42'52"	56°35'24"	-40°41'04"	-4.44 m	0.563 AE	29.6"	+ 46.1°	83 %	+ 86.3°
26-12-2010	15h05m47s	-13°55'52"	56°50'48"	-40°48'59"	-4.43 m	0.570 AE	29.3"	+ 46.2°	74 %	+ 72.9°

Sichtbarkeit

Datum/Standort

Datum: 01-01-2010
 Zeitraum: 1 Jahr
 Br.: 0°45'21"S
 Län.: 4°13'28"W

Objekt

Planet:
 Venus

Datum (0:00 Ortszeit)	Scheinbarer Ort		Azm	Höhe	Helligkeit	Entf.	Winkeld.	Sonne Elong.	Mond	
	RA	Dek							Phase	Winkel
27-12-2010	15h09m24s	-14° 09 ' 01"	57° 05 ' 35"	-40° 57 ' 22"	-4.42 m	0.578 AE	28.9"	+ 46.3°	63 %	+ 59.6°
28-12-2010	15h13m04s	-14° 22 ' 17"	57° 19 ' 45"	-41° 06 ' 12"	-4.42 m	0.585 AE	28.5"	+ 46.4°	52 %	+ 46.5°
29-12-2010	15h16m46s	-14° 35 ' 39"	57° 33 ' 18"	-41° 15 ' 28"	-4.41 m	0.593 AE	28.1"	+ 46.5°	41 %	+ 33.7°
30-12-2010	15h20m32s	-14° 49 ' 05"	57° 46 ' 15"	-41° 25 ' 07"	-4.40 m	0.601 AE	27.8"	+ 46.6°	30 %	+ 21.4°
31-12-2010	15h24m20s	-15° 02 ' 34"	57° 58 ' 36"	-41° 35 ' 09"	-4.39 m	0.608 AE	27.4"	+ 46.7°	20 %	+ 10.4°