

Sichtbarkeit

Datum/Standort

Datum: 01-01-2010
 Zeitraum: 1 Jahr
 Br.: 5°15'43"N
 Län.: 86°54'27"W

Objekt

Mond:
 Mond (Erde)

| Datum (0:00 Ortszeit) | Scheinbarer Ort | | Azim | Höhe | Helligkeit | Entf. | Winkeld. | Sonne Elong. | Mond | |
|-----------------------|-----------------|-------------|-------------|-------------|------------|-----------|----------|--------------|-------|--------|
| | RA | Dek | | | | | | | Phase | Winkel |
| 01-01-2010 | 6h55m41s | +23°09' 00" | 159°19' 39" | +61°27' 44" | -12.88 m | 353.8 Tkm | 33.763' | + 177.6° | 99 % | --- |
| 02-01-2010 | 7h59m44s | +19°28' 59" | 137°26' 15" | +52°58' 28" | -12.47 m | 353.6 Tkm | 33.786' | + 163.3° | 98 % | --- |
| 03-01-2010 | 9h00m13s | +14°28' 42" | 123°51' 35" | +41°49' 02" | -12.07 m | 355.5 Tkm | 33.604' | + 149.1° | 93 % | --- |
| 04-01-2010 | 9h56m54s | + 8°37' 28" | 114°47' 40" | +29°40' 26" | -11.66 m | 359.3 Tkm | 33.249' | + 135.0° | 85 % | --- |
| 05-01-2010 | 10h50m29s | + 2°23' 51" | 108°00' 18" | +17°19' 13" | -11.24 m | 364.5 Tkm | 32.772' | + 121.3° | 76 % | --- |
| 06-01-2010 | 11h41m58s | - 3°47' 56" | 102°19' 09" | +5°07' 53" | -10.80 m | 370.7 Tkm | 32.229' | + 108.1° | 66 % | --- |
| 07-01-2010 | 12h32m29s | - 9°38' 34" | 97°02' 33" | -6°42' 05" | -10.33 m | 377.2 Tkm | 31.671' | + 95.2° | 55 % | --- |
| 08-01-2010 | 13h23m01s | -14°52' 43" | 91°39' 28" | -18°04' 18" | -9.82 m | 383.7 Tkm | 31.138' | + 82.8° | 44 % | --- |
| 09-01-2010 | 14h14m18s | -19°17' 52" | 85°39' 09" | -28°53' 43" | -9.28 m | 389.7 Tkm | 30.653' | + 70.8° | 34 % | --- |
| 10-01-2010 | 15h06m41s | -22°43' 32" | 78°22' 00" | -39°03' 15" | -8.68 m | 395.2 Tkm | 30.231' | + 59.1° | 24 % | --- |
| 11-01-2010 | 16h00m07s | -25°01' 31" | 68°48' 18" | -48°18' 56" | -8.02 m | 399.8 Tkm | 29.877' | + 47.8° | 16 % | --- |
| 12-01-2010 | 16h54m03s | -26°06' 36" | 55°26' 35" | -56°11' 48" | -7.31 m | 403.7 Tkm | 29.590' | + 36.5° | 10 % | --- |
| 13-01-2010 | 17h47m39s | -25°57' 35" | 36°33' 39" | -61°46' 02" | -6.52 m | 406.8 Tkm | 29.367' | + 25.5° | 4 % | --- |
| 14-01-2010 | 18h40m02s | -24°37' 46" | 12°43' 16" | -63°43' 15" | -5.65 m | 409.1 Tkm | 29.203' | + 14.6° | 1 % | --- |
| 15-01-2010 | 19h30m29s | -22°14' 24" | 349°21' 54" | -61°26' 37" | -4.69 m | 410.6 Tkm | 29.097' | + 3.8° | 0 % | --- |
| 16-01-2010 | 20h18m41s | -18°57' 20" | 331°20' 56" | -55°51' 07" | -4.97 m | 411.3 Tkm | 29.046' | + 6.9° | 0 % | --- |
| 17-01-2010 | 21h04m42s | -14°57' 25" | 318°39' 16" | -48°18' 08" | -5.88 m | 411.2 Tkm | 29.054' | + 17.6° | 2 % | --- |
| 18-01-2010 | 21h48m57s | -10°25' 25" | 309°30' 50" | -39°41' 09" | -6.70 m | 410.2 Tkm | 29.123' | + 28.3° | 6 % | --- |
| 19-01-2010 | 22h32m03s | - 5°31' 25" | 302°29' 49" | -30°27' 30" | -7.44 m | 408.3 Tkm | 29.261' | + 39.0° | 11 % | --- |
| 20-01-2010 | 23h14m47s | - 0°24' 45" | 296°41' 33" | -20°50' 19" | -8.11 m | 405.3 Tkm | 29.475' | + 49.8° | 18 % | --- |
| 21-01-2010 | 23h58m01s | + 4°45' 26" | 291°30' 42" | -10°55' 36" | -8.72 m | 401.3 Tkm | 29.770' | + 60.8° | 26 % | --- |
| 22-01-2010 | 0h42m43s | + 9°49' 30" | 286°31' 21" | -0°46' 04" | -9.29 m | 396.2 Tkm | 30.151' | + 71.9° | 35 % | --- |
| 23-01-2010 | 1h29m54s | +14°36' 09" | 281°20' 05" | +9°36' 41" | -9.81 m | 390.2 Tkm | 30.616' | + 83.4° | 45 % | --- |
| 24-01-2010 | 2h20m34s | +18°51' 18" | 275°29' 59" | +20°10' 00" | -10.29 m | 383.4 Tkm | 31.158' | + 95.2° | 55 % | --- |
| 25-01-2010 | 3h15m28s | +22°17' 12" | 268°22' 26" | +30°46' 59" | -10.75 m | 376.2 Tkm | 31.755' | + 107.5° | 65 % | --- |
| 26-01-2010 | 4h14m49s | +24°33' 03" | 258°53' 13" | +41°10' 37" | -11.18 m | 369.0 Tkm | 32.376' | + 120.3° | 75 % | --- |
| 27-01-2010 | 5h17m54s | +25°17' 56" | 245°10' 10" | +50°40' 42" | -11.60 m | 362.3 Tkm | 32.970' | + 133.6° | 84 % | --- |
| 28-01-2010 | 6h23m02s | +24°16' 51" | 224°33' 13" | +57°48' 48" | -12.01 m | 356.8 Tkm | 33.477' | + 147.3° | 92 % | --- |
| 29-01-2010 | 7h27m58s | +21°27' 09" | 196°55' 02" | +60°08' 14" | -12.42 m | 353.1 Tkm | 33.835' | + 161.5° | 97 % | --- |
| 30-01-2010 | 8h30m48s | +17°01' 20" | 170°03' 09" | +56°13' 50" | -12.83 m | 351.5 Tkm | 33.991' | + 175.5° | 99 % | --- |

Sichtbarkeit

Datum/Standort

Datum: 01-01-2010
 Zeitraum: 1 Jahr
 Br.: 5°15'43"N
 Län.: 86°54'27"W

Objekt

Mond:
 Mond (Erde)

| Datum (0:00 Ortszeit) | Scheinbarer Ort | | Azim | Höhe | Helligkeit | Entf. | Winkeld. | Sonne Elong. | Mond | |
|-----------------------|-----------------|-------------|-------------|-------------|------------|-----------|----------|--------------|-------|--------|
| | RA | Dek | | | | | | | Phase | Winkel |
| 31-01-2010 | 9h30m33s | +11°24' 00" | 150°33' 43" | +47°42' 41" | -12.64 m | 352.2 Tkm | 33.920' | + 169.2° | 99 % | --- |
| 01-02-2010 | 10h27m16s | + 5°05' 21" | 137°23' 56" | +36°54' 49" | -12.23 m | 355.2 Tkm | 33.632' | + 154.9° | 95 % | --- |
| 02-02-2010 | 11h21m39s | - 1°24' 47" | 127°55' 58" | +25°15' 40" | -11.81 m | 360.1 Tkm | 33.170' | + 140.9° | 89 % | --- |
| 03-02-2010 | 12h14m39s | - 7°40' 38" | 120°25' 49" | +13°29' 06" | -11.40 m | 366.5 Tkm | 32.594' | + 127.4° | 81 % | --- |
| 04-02-2010 | 13h07m11s | -13°21' 32" | 113°52' 38" | +1°57' 44" | -10.97 m | 373.7 Tkm | 31.969' | + 114.3° | 71 % | --- |
| 05-02-2010 | 13h59m59s | -18°11' 45" | 107°37' 02" | -9°06' 22" | -10.53 m | 381.1 Tkm | 31.348' | + 101.7° | 60 % | --- |
| 06-02-2010 | 14h53m27s | -21°59' 39" | 101°07' 55" | -19°36' 04" | -10.06 m | 388.2 Tkm | 30.774' | + 89.6° | 50 % | --- |
| 07-02-2010 | 15h47m34s | -24°37' 13" | 93°54' 07" | -29°25' 11" | -9.56 m | 394.6 Tkm | 30.271' | + 78.0° | 40 % | --- |
| 08-02-2010 | 16h41m55s | -26°00' 06" | 85°17' 58" | -38°24' 53" | -9.02 m | 400.2 Tkm | 29.853' | + 66.6° | 30 % | --- |
| 09-02-2010 | 17h35m48s | -26°07' 55" | 74°30' 27" | -46°19' 17" | -8.43 m | 404.6 Tkm | 29.524' | + 55.5° | 22 % | --- |
| 10-02-2010 | 18h28m25s | -25°04' 09" | 60°34' 44" | -52°40' 03" | -7.79 m | 408.0 Tkm | 29.281' | + 44.7° | 14 % | --- |
| 11-02-2010 | 19h19m09s | -22°55' 42" | 43°00' 33" | -56°43' 43" | -7.09 m | 410.2 Tkm | 29.120' | + 33.9° | 8 % | --- |
| 12-02-2010 | 20h07m44s | -19°51' 39" | 23°00' 54" | -57°44' 56" | -6.32 m | 411.5 Tkm | 29.032' | + 23.3° | 4 % | --- |
| 13-02-2010 | 20h54m10s | -16°02' 17" | 3°43' 17" | -55°31' 10" | -5.47 m | 411.8 Tkm | 29.011' | + 12.7° | 1 % | --- |
| 14-02-2010 | 21h38m49s | -11°38' 00" | 347°37' 00" | -50°36' 39" | -4.61 m | 411.2 Tkm | 29.051' | + 3.0° | 0 % | --- |
| 15-02-2010 | 22h22m14s | - 6°49' 00" | 335°01' 20" | -43°52' 23" | -5.18 m | 409.8 Tkm | 29.150' | + 9.3° | 0 % | --- |
| 16-02-2010 | 23h05m04s | - 1°45' 09" | 325°07' 30" | -35°58' 37" | -6.07 m | 407.7 Tkm | 29.305' | + 19.9° | 3 % | --- |
| 17-02-2010 | 23h48m07s | + 3°23' 46" | 317°00' 49" | -27°20' 39" | -6.89 m | 404.7 Tkm | 29.518' | + 30.7° | 7 % | --- |
| 18-02-2010 | 0h32m11s | + 8°27' 42" | 309°58' 21" | -18°13' 22" | -7.64 m | 401.0 Tkm | 29.792' | + 41.8° | 13 % | --- |
| 19-02-2010 | 1h18m10s | +13°15' 32" | 303°27' 49" | -8°45' 41" | -8.33 m | 396.5 Tkm | 30.131' | + 53.0° | 20 % | --- |
| 20-02-2010 | 2h06m54s | +17°34' 30" | 297°02' 33" | +0°56' 19" | -8.95 m | 391.2 Tkm | 30.535' | + 64.5° | 29 % | --- |
| 21-02-2010 | 2h59m04s | +21°09' 39" | 290°16' 36" | +10°47' 03" | -9.53 m | 385.3 Tkm | 31.001' | + 76.2° | 38 % | --- |
| 22-02-2010 | 3h55m01s | +23°43' 56" | 282°39' 27" | +20°38' 44" | -10.06 m | 379.0 Tkm | 31.521' | + 88.4° | 49 % | --- |
| 23-02-2010 | 4h54m28s | +24°59' 43" | 273°29' 27" | +30°17' 37" | -10.54 m | 372.5 Tkm | 32.073' | + 100.9° | 60 % | --- |
| 24-02-2010 | 5h56m24s | +24°42' 09" | 261°46' 11" | +39°17' 18" | -11.00 m | 366.2 Tkm | 32.624' | + 114.0° | 70 % | --- |
| 25-02-2010 | 6h59m13s | +22°43' 46" | 246°10' 49" | +46°48' 16" | -11.43 m | 360.6 Tkm | 33.129' | + 127.4° | 80 % | --- |
| 26-02-2010 | 8h01m14s | +19°07' 52" | 225°52' 56" | +51°29' 32" | -11.84 m | 356.2 Tkm | 33.533' | + 141.2° | 89 % | --- |
| 27-02-2010 | 9h01m22s | +14°09' 13" | 202°39' 24" | +51°53' 46" | -12.23 m | 353.6 Tkm | 33.782' | + 155.3° | 95 % | --- |
| 28-02-2010 | 9h59m15s | + 8°11' 13" | 181°02' 14" | +47°42' 34" | -12.62 m | 353.1 Tkm | 33.834' | + 169.1° | 99 % | --- |
| 01-03-2010 | 10h55m14s | + 1°41' 55" | 163°49' 41" | +40°07' 19" | -12.74 m | 354.8 Tkm | 33.674' | + 173.6° | 99 % | --- |

Sichtbarkeit

Datum/Standort

Datum: 01-01-2010
 Zeitraum: 1 Jahr
 Br.: 5°15'43"N
 Län.: 86°54'27"W

Objekt

Mond:
 Mond (Erde)

| Datum (0:00 Ortszeit) | Scheinbarer Ort | | Azim | Höhe | Helligkeit | Entf. | Winkeld. | Sonne Elong. | Mond | |
|-----------------------|-----------------|-------------|-------------|-------------|------------|-----------|----------|--------------|-------|--------|
| | RA | Dek | | | | | | | Phase | Winkel |
| 02-03-2010 | 11h50m00s | - 4°50' 02" | 150°40' 56" | +30°38' 39" | -12.35 m | 358.5 Tkm | 33.321' | + 160.8° | 97 % | --- |
| 03-03-2010 | 12h44m23s | -10°58' 34" | 140°16' 02" | +20°21' 59" | -11.95 m | 364.0 Tkm | 32.818' | + 147.3° | 92 % | --- |
| 04-03-2010 | 13h39m02s | -16°21' 47" | 131°27' 13" | +9°56' 58" | -11.55 m | 370.7 Tkm | 32.223' | + 134.1° | 85 % | --- |
| 05-03-2010 | 14h34m20s | -20°42' 57" | 123°26' 43" | -0°13' 14" | -11.15 m | 378.1 Tkm | 31.598' | + 121.3° | 76 % | --- |
| 06-03-2010 | 15h30m12s | -23°50' 49" | 115°39' 39" | -9°54' 52" | -10.73 m | 385.4 Tkm | 30.993' | + 109.1° | 67 % | --- |
| 07-03-2010 | 16h26m09s | -25°39' 39" | 107°37' 20" | -18°58' 41" | -10.30 m | 392.4 Tkm | 30.447' | + 97.3° | 57 % | --- |
| 08-03-2010 | 17h21m25s | -26°09' 05" | 98°52' 35" | -27°16' 27" | -9.85 m | 398.4 Tkm | 29.984' | + 85.9° | 47 % | --- |
| 09-03-2010 | 18h15m10s | -25°23' 30" | 88°57' 23" | -34°37' 52" | -9.36 m | 403.4 Tkm | 29.615' | + 74.8° | 37 % | --- |
| 10-03-2010 | 19h06m48s | -23°30' 40" | 77°24' 07" | -40°48' 01" | -8.84 m | 407.1 Tkm | 29.346' | + 64.0° | 28 % | --- |
| 11-03-2010 | 19h56m04s | -20°40' 17" | 63°53' 59" | -45°25' 52" | -8.26 m | 409.5 Tkm | 29.174' | + 53.3° | 20 % | --- |
| 12-03-2010 | 20h43m03s | -17°02' 41" | 48°35' 10" | -48°06' 42" | -7.64 m | 410.6 Tkm | 29.092' | + 42.6° | 13 % | --- |
| 13-03-2010 | 21h28m08s | -12°47' 59" | 32°19' 19" | -48°30' 51" | -6.94 m | 410.6 Tkm | 29.092' | + 32.0° | 7 % | --- |
| 14-03-2010 | 22h11m54s | - 8°05' 57" | 16°27' 43" | -46°35' 22" | -6.17 m | 409.6 Tkm | 29.163' | + 21.4° | 3 % | --- |
| 15-03-2010 | 22h55m00s | - 3°06' 06" | 2°06' 23" | -42°36' 37" | -5.32 m | 407.8 Tkm | 29.297' | + 11.0° | 0 % | --- |
| 16-03-2010 | 23h38m13s | + 2°01' 49" | 349°38' 00" | -37°01' 14" | -4.72 m | 405.2 Tkm | 29.484' | + 4.0° | 0 % | --- |
| 17-03-2010 | 0h22m19s | + 7°07' 29" | 338°50' 55" | -30°15' 28" | -5.48 m | 402.0 Tkm | 29.718' | + 12.4° | 1 % | --- |
| 18-03-2010 | 1h08m07s | +11°59' 23" | 329°19' 26" | -22°40' 26" | -6.38 m | 398.3 Tkm | 29.993' | + 23.4° | 4 % | --- |
| 19-03-2010 | 1h56m19s | +16°24' 30" | 320°35' 51" | -14°32' 00" | -7.21 m | 394.2 Tkm | 30.307' | + 34.8° | 9 % | --- |
| 20-03-2010 | 2h47m30s | +20°08' 10" | 312°14' 14" | -6°02' 29" | -7.97 m | 389.7 Tkm | 30.658' | + 46.4° | 16 % | --- |
| 21-03-2010 | 3h41m57s | +22°54' 35" | 303°49' 54" | +2°37' 26" | -8.66 m | 384.8 Tkm | 31.043' | + 58.3° | 24 % | --- |
| 22-03-2010 | 4h39m24s | +24°28' 07" | 294°57' 24" | +11°16' 40" | -9.29 m | 379.8 Tkm | 31.457' | + 70.5° | 34 % | --- |
| 23-03-2010 | 5h39m00s | +24°35' 59" | 285°08' 03" | +19°41' 08" | -9.85 m | 374.6 Tkm | 31.888' | + 83.0° | 44 % | --- |
| 24-03-2010 | 6h39m27s | +23°11' 16" | 273°48' 22" | +27°30' 36" | -10.37 m | 369.6 Tkm | 32.319' | + 95.8° | 55 % | --- |
| 25-03-2010 | 7h39m24s | +20°15' 10" | 260°22' 48" | +34°14' 52" | -10.84 m | 365.1 Tkm | 32.723' | + 109.0° | 66 % | --- |
| 26-03-2010 | 8h37m56s | +15°57' 22" | 244°28' 14" | +39°11' 49" | -11.27 m | 361.3 Tkm | 33.062' | + 122.5° | 77 % | --- |
| 27-03-2010 | 9h34m41s | +10°34' 37" | 226°25' 16" | +41°34' 09" | -11.67 m | 358.8 Tkm | 33.299' | + 136.2° | 86 % | --- |
| 28-03-2010 | 10h29m57s | + 4°28' 38" | 207°40' 01" | +40°50' 43" | -12.05 m | 357.7 Tkm | 33.396' | + 150.0° | 93 % | --- |
| 29-03-2010 | 11h22m47s | - 1°39' 59" | 171°37' 30" | +37°33' 05" | -12.40 m | 358.3 Tkm | 33.337' | + 163.2° | 97 % | --- |
| 30-03-2010 | 12h17m07s | - 7°58' 26" | 158°03' 08" | +29°12' 58" | -12.70 m | 361.0 Tkm | 33.091' | + 174.0° | 99 % | --- |
| 31-03-2010 | 13h12m04s | -13°46' 09" | 146°49' 32" | +19°55' 16" | -12.47 m | 365.3 Tkm | 32.700' | + 166.9° | 98 % | --- |

Sichtbarkeit

Datum/Standort

Datum: 01-01-2010
 Zeitraum: 1 Jahr
 Br.: 5°15'43"N
 Län.: 86°54'27"W

Objekt

Mond:
 Mond (Erde)

| Datum (0:00 Ortszeit) | Scheinbarer Ort | | Azim | Höhe | Helligkeit | Entf. | Winkeld. | Sonne Elong. | Mond | |
|-----------------------|-----------------|------------|------------|------------|------------|-----------|----------|--------------|-------|--------|
| | RA | Dek | | | | | | | Phase | Winkel |
| 01-04-2010 | 14h08m03s | -18°41'31" | 137°05'44" | +10°19'07" | -12.08 m | 371.0 Tkm | 32.203' | +154.3° | 95 % | --- |
| 02-04-2010 | 15h05m06s | -22°27'30" | 128°10'32" | +0°50'23" | -11.70 m | 377.5 Tkm | 31.649' | +141.7° | 89 % | --- |
| 03-04-2010 | 16h02m40s | -24°53'22" | 119°31'56" | -8°13'42" | -11.32 m | 384.3 Tkm | 31.087' | +129.4° | 82 % | --- |
| 04-04-2010 | 16h59m48s | -25°55'25" | 110°43'26" | -16°41'02" | -10.94 m | 390.9 Tkm | 30.557' | +117.5° | 73 % | --- |
| 05-04-2010 | 17h55m30s | -25°36'43" | 101°21'18" | -24°21'28" | -10.55 m | 397.0 Tkm | 30.093' | +106.0° | 64 % | --- |
| 06-04-2010 | 18h48m53s | -24°05'26" | 91°03'23" | -31°04'30" | -10.14 m | 402.0 Tkm | 29.715' | +94.8° | 54 % | --- |
| 07-04-2010 | 19h39m34s | -21°32'27" | 79°30'48" | -36°37'22" | -9.71 m | 405.8 Tkm | 29.436' | +83.9° | 45 % | --- |
| 08-04-2010 | 20h27m35s | -18°09'17" | 66°33'46" | -40°44'21" | -9.24 m | 408.3 Tkm | 29.260' | +73.2° | 35 % | --- |
| 09-04-2010 | 21h13m22s | -14°06'44" | 52°21'06" | -43°08'39" | -8.73 m | 409.3 Tkm | 29.186' | +62.5° | 27 % | --- |
| 10-04-2010 | 21h57m31s | -9°34'37" | 37°26'35" | -43°37'26" | -8.17 m | 409.0 Tkm | 29.207' | +51.8° | 19 % | --- |
| 11-04-2010 | 22h40m48s | -4°41'58" | 22°40'42" | -42°07'52" | -7.54 m | 407.5 Tkm | 29.314' | +41.1° | 12 % | --- |
| 12-04-2010 | 23h24m02s | +0°22'13" | 8°48'29" | -38°49'16" | -6.83 m | 405.0 Tkm | 29.496' | +30.2° | 6 % | --- |
| 13-04-2010 | 0h08m02s | +5°28'21" | 356°12'07" | -33°59'13" | -6.03 m | 401.7 Tkm | 29.737' | +19.3° | 2 % | --- |
| 14-04-2010 | 0h53m39s | +10°25'24" | 344°50'40" | -27°57'43" | -5.15 m | 397.9 Tkm | 30.024' | +8.6° | 0 % | --- |
| 15-04-2010 | 1h41m38s | +15°00'19" | 334°29'18" | -21°03'21" | -4.93 m | 393.7 Tkm | 30.341' | +5.9° | 0 % | --- |
| 16-04-2010 | 2h32m35s | +18°57'59" | 324°47'46" | -13°32'19" | -5.86 m | 389.4 Tkm | 30.675' | +16.4° | 2 % | --- |
| 17-04-2010 | 3h26m47s | +22°01'44" | 315°24'31" | -5°39'02" | -6.79 m | 385.2 Tkm | 31.016' | +28.2° | 6 % | --- |
| 18-04-2010 | 4h23m57s | +23°55'13" | 305°57'46" | +2°22'49" | -7.64 m | 381.0 Tkm | 31.354' | +40.4° | 12 % | --- |
| 19-04-2010 | 5h23m11s | +24°25'11" | 296°05'04" | +10°18'50" | -8.40 m | 377.1 Tkm | 31.681' | +52.9° | 20 % | --- |
| 20-04-2010 | 6h23m08s | +23°24'45" | 285°22'42" | +17°52'19" | -9.07 m | 373.4 Tkm | 31.991' | +65.6° | 29 % | --- |
| 21-04-2010 | 7h22m25s | +20°55'15" | 273°26'20" | +24°42'25" | -9.68 m | 370.1 Tkm | 32.276' | +78.5° | 40 % | --- |
| 22-04-2010 | 8h20m03s | +17°05'59" | 259°55'24" | +30°22'53" | -10.21 m | 367.3 Tkm | 32.523' | +91.6° | 51 % | --- |
| 23-04-2010 | 9h15m42s | +12°12'01" | 244°43'42" | +34°22'53" | -10.68 m | 365.1 Tkm | 32.718' | +104.9° | 63 % | --- |
| 24-04-2010 | 10h09m39s | +6°31'56" | 228°14'02" | +36°13'12" | -11.11 m | 363.7 Tkm | 32.842' | +118.3° | 73 % | --- |
| 25-04-2010 | 11h02m36s | +0°26'09" | 211°21'38" | +35°37'46" | -11.50 m | 363.4 Tkm | 32.875' | +131.8° | 83 % | --- |
| 26-04-2010 | 11h55m26s | -5°43'50" | 195°11'31" | +32°43'02" | -11.86 m | 364.2 Tkm | 32.802' | +145.2° | 91 % | --- |
| 27-04-2010 | 12h49m01s | -11°36'04" | 180°26'02" | +27°55'28" | -12.21 m | 366.3 Tkm | 32.617' | +158.4° | 96 % | --- |
| 28-04-2010 | 13h44m00s | -16°48'55" | 167°14'07" | +21°50'07" | -12.53 m | 369.6 Tkm | 32.325' | +170.7° | 99 % | --- |
| 29-04-2010 | 14h40m39s | -21°02'39" | 155°22'22" | +15°00'24" | -12.55 m | 374.0 Tkm | 31.945' | +172.3° | 99 % | --- |
| 30-04-2010 | 15h38m37s | -24°01'42" | 144°29'00" | +7°53'35" | -12.20 m | 379.2 Tkm | 31.505' | +161.0° | 97 % | --- |

Sichtbarkeit

Datum/Standort

Datum: 01-01-2010
 Zeitraum: 1 Jahr
 Br.: 5°15'43"N
 Län.: 86°54'27"W

Objekt

Mond:
 Mond (Erde)

| Datum (0:00 Ortszeit) | Scheinbarer Ort | | Azim | Höhe | Helligkeit | Entf. | Winkeld. | Sonne Elong. | Mond | |
|-----------------------|-----------------|------------|------------|------------|------------|-----------|----------|--------------|-------|--------|
| | RA | Dek | | | | | | | Phase | Winkel |
| 01-05-2010 | 16h36m58s | -25°37'01" | 134°11'51" | +0°50'16" | -11.84 m | 384.8 Tkm | 31.041' | +148.9° | 93 % | --- |
| 02-05-2010 | 17h34m28s | -25°47'24" | 124°11'10" | -5°54'22" | -11.48 m | 390.6 Tkm | 30.587' | +137.1° | 87 % | --- |
| 03-05-2010 | 18h29m54s | -24°39'01" | 114°10'02" | -12°09'05" | -11.13 m | 395.9 Tkm | 30.174' | +125.6° | 79 % | --- |
| 04-05-2010 | 19h22m31s | -22°22'54" | 103°54'12" | -17°44'54" | -10.78 m | 400.5 Tkm | 29.826' | +114.3° | 71 % | --- |
| 05-05-2010 | 20h12m08s | -19°11'59" | 93°12'16" | -22°34'03" | -10.41 m | 404.1 Tkm | 29.563' | +103.3° | 62 % | --- |
| 06-05-2010 | 20h59m02s | -15°18'46" | 81°56'21" | -26°29'01" | -10.02 m | 406.4 Tkm | 29.395' | +92.5° | 52 % | --- |
| 07-05-2010 | 21h43m51s | -10°54'16" | 70°03'27" | -29°22'25" | -9.59 m | 407.3 Tkm | 29.328' | +81.7° | 43 % | --- |
| 08-05-2010 | 22h27m23s | -6°07'59" | 57°36'49" | -31°07'18" | -9.13 m | 406.9 Tkm | 29.362' | +71.0° | 33 % | --- |
| 09-05-2010 | 23h10m29s | -1°08'34" | 44°46'15" | -31°38'21" | -8.62 m | 405.1 Tkm | 29.491' | +60.1° | 25 % | --- |
| 10-05-2010 | 23h54m06s | +3°55'17" | 31°46'20" | -30°53'09" | -8.03 m | 402.2 Tkm | 29.705' | +49.1° | 17 % | --- |
| 11-05-2010 | 0h39m08s | +8°53'49" | 18°52'24" | -28°53'15" | -7.36 m | 398.3 Tkm | 29.990' | +37.9° | 10 % | --- |
| 12-05-2010 | 1h26m29s | +13°35'10" | 6°16'15" | -25°44'17" | -6.59 m | 393.9 Tkm | 30.327' | +26.4° | 5 % | --- |
| 13-05-2010 | 2h16m52s | +17°44'48" | 354°03'25" | -21°35'18" | -5.70 m | 389.2 Tkm | 30.694' | +14.7° | 1 % | --- |
| 14-05-2010 | 3h10m44s | +21°05'40" | 342°12'54" | -16°37'52" | -4.77 m | 384.5 Tkm | 31.067' | +3.8° | 0 % | --- |
| 15-05-2010 | 4h07m57s | +23°19'47" | 330°38'25" | -11°05'10" | -5.41 m | 380.2 Tkm | 31.425' | +10.7° | 0 % | --- |
| 16-05-2010 | 5h07m40s | +24°11'26" | 319°10'17" | -5°11'36" | -6.45 m | 376.3 Tkm | 31.746' | +23.1° | 4 % | --- |
| 17-05-2010 | 6h08m25s | +23°31'20" | 307°36'59" | +0°47'36" | -7.38 m | 373.1 Tkm | 32.017' | +36.0° | 9 % | --- |
| 18-05-2010 | 7h08m34s | +21°19'38" | 295°46'31" | +6°36'35" | -8.20 m | 370.7 Tkm | 32.229' | +49.0° | 17 % | --- |
| 19-05-2010 | 8h06m49s | +17°45'53" | 283°27'58" | +11°58'55" | -8.92 m | 368.9 Tkm | 32.379' | +62.2° | 27 % | --- |
| 20-05-2010 | 9h02m40s | +13°06'13" | 270°33'15" | +16°38'07" | -9.55 m | 367.9 Tkm | 32.470' | +75.5° | 37 % | --- |
| 21-05-2010 | 9h56m18s | +7°39'54" | 256°59'41" | +20°18'29" | -10.09 m | 367.6 Tkm | 32.502' | +88.8° | 49 % | --- |
| 22-05-2010 | 10h48m25s | +1°46'50" | 242°52'22" | +22°46'42" | -10.56 m | 367.8 Tkm | 32.478' | +102.0° | 60 % | --- |
| 23-05-2010 | 11h39m56s | -4°13'26" | 228°24'53" | +23°54'12" | -10.97 m | 368.7 Tkm | 32.396' | +115.2° | 71 % | --- |
| 24-05-2010 | 12h31m51s | -10°01'44" | 213°56'46" | +23°39'13" | -11.35 m | 370.3 Tkm | 32.258' | +128.3° | 81 % | --- |
| 25-05-2010 | 13h25m02s | -15°19'06" | 199°47'58" | +22°07'36" | -11.69 m | 372.6 Tkm | 32.061' | +141.3° | 89 % | --- |
| 26-05-2010 | 14h19m59s | -19°47'12" | 186°13'14" | +19°31'29" | -12.02 m | 375.6 Tkm | 31.807' | +154.1° | 94 % | --- |
| 27-05-2010 | 15h16m46s | -23°09'29" | 173°19'27" | +16°06'35" | -12.34 m | 379.2 Tkm | 31.505' | +166.5° | 98 % | --- |
| 28-05-2010 | 16h14m44s | -25°13'36" | 161°06'16" | +12°09'25" | -12.59 m | 383.3 Tkm | 31.167' | +176.1° | 99 % | --- |
| 29-05-2010 | 17h12m45s | -25°53'41" | 149°28'28" | +7°55'11" | -12.33 m | 387.7 Tkm | 30.811' | +167.7° | 98 % | --- |
| 30-05-2010 | 18h09m27s | -25°11'40" | 138°18'23" | +3°36'44" | -11.98 m | 392.2 Tkm | 30.457' | +156.2° | 95 % | --- |

Sichtbarkeit

Datum/Standort

Datum: 01-01-2010
 Zeitraum: 1 Jahr
 Br.: 5°15'43"N
 Län.: 86°54'27"W

Objekt

Mond:
 Mond (Erde)

| Datum (0:00 Ortszeit) | Scheinbarer Ort | | Azim | Höhe | Helligkeit | Entf. | Winkeld. | Sonne Elong. | Mond | |
|-----------------------|-----------------|---------------|---------------|---------------|------------|-----------|----------|--------------|-------|--------|
| | RA | Dek | | | | | | | Phase | Winkel |
| 31-05-2010 | 19h03m43s | -23° 16 ' 11" | 127° 27 ' 30" | -0° 35 ' 42" | -11.65 m | 396.5 Tkm | 30.128' | + 144.8° | 91 % | --- |
| 01-06-2010 | 19h55m00s | -20° 19 ' 55" | 116° 47 ' 32" | -4° 34 ' 21" | -11.32 m | 400.3 Tkm | 29.845' | + 133.5° | 84 % | --- |
| 02-06-2010 | 20h43m20s | -16° 36 ' 30" | 106° 10 ' 44" | -8° 13 ' 21" | -10.99 m | 403.2 Tkm | 29.627' | + 122.5° | 77 % | --- |
| 03-06-2010 | 21h29m09s | -12° 18 ' 38" | 95° 30 ' 10" | -11° 28 ' 16" | -10.65 m | 405.1 Tkm | 29.489' | + 111.6° | 68 % | --- |
| 04-06-2010 | 22h13m11s | - 7° 37 ' 11" | 84° 39 ' 44" | -14° 15 ' 31" | -10.30 m | 405.8 Tkm | 29.441' | + 100.7° | 59 % | --- |
| 05-06-2010 | 22h56m19s | - 2° 41 ' 29" | 73° 34 ' 21" | -16° 32 ' 00" | -9.91 m | 405.1 Tkm | 29.489' | + 89.9° | 50 % | --- |
| 06-06-2010 | 23h39m29s | + 2° 19 ' 55" | 62° 10 ' 08" | -18° 14 ' 44" | -9.49 m | 403.1 Tkm | 29.634' | + 78.9° | 40 % | --- |
| 07-06-2010 | 0h23m39s | + 7° 18 ' 18" | 50° 24 ' 43" | -19° 20 ' 46" | -9.01 m | 399.9 Tkm | 29.870' | + 67.8° | 31 % | --- |
| 08-06-2010 | 1h09m46s | +12° 03 ' 29" | 38° 17 ' 28" | -19° 47 ' 16" | -8.47 m | 395.7 Tkm | 30.187' | + 56.5° | 22 % | --- |
| 09-06-2010 | 1h58m45s | +16° 22 ' 48" | 25° 49 ' 39" | -19° 31 ' 56" | -7.83 m | 390.8 Tkm | 30.567' | + 44.8° | 14 % | --- |
| 10-06-2010 | 2h51m17s | +20° 00 ' 36" | 13° 04 ' 21" | -18° 33 ' 36" | -7.08 m | 385.5 Tkm | 30.985' | + 32.8° | 7 % | --- |
| 11-06-2010 | 3h47m35s | +22° 38 ' 44" | 0° 05 ' 52" | -16° 52 ' 51" | -6.20 m | 380.3 Tkm | 31.411' | + 20.4° | 3 % | --- |
| 12-06-2010 | 4h47m09s | +23° 59 ' 02" | 346° 59 ' 00" | -14° 32 ' 45" | -5.16 m | 375.5 Tkm | 31.812' | + 7.6° | 0 % | --- |
| 13-06-2010 | 5h48m41s | +23° 47 ' 48" | 333° 48 ' 04" | -11° 39 ' 08" | -5.00 m | 371.5 Tkm | 32.156' | + 5.6° | 0 % | --- |
| 14-06-2010 | 6h50m22s | +22° 00 ' 31" | 320° 36 ' 17" | -8° 20 ' 23" | -6.15 m | 368.5 Tkm | 32.416' | + 18.9° | 2 % | --- |
| 15-06-2010 | 7h50m30s | +18° 43 ' 55" | 307° 25 ' 25" | -4° 46 ' 48" | -7.16 m | 366.7 Tkm | 32.577' | + 32.4° | 7 % | --- |
| 16-06-2010 | 8h48m09s | +14° 14 ' 09" | 294° 15 ' 57" | -1° 09 ' 28" | -8.04 m | 366.1 Tkm | 32.634' | + 46.0° | 15 % | --- |
| 17-06-2010 | 9h43m08s | + 8° 52 ' 25" | 281° 07 ' 28" | +2° 20 ' 43" | -8.79 m | 366.5 Tkm | 32.597' | + 59.5° | 24 % | --- |
| 18-06-2010 | 10h35m59s | + 3° 01 ' 01" | 267° 59 ' 18" | +5° 34 ' 11" | -9.42 m | 367.8 Tkm | 32.481' | + 72.9° | 35 % | --- |
| 19-06-2010 | 11h27m36s | - 2° 59 ' 01" | 254° 51 ' 05" | +8° 23 ' 07" | -9.97 m | 369.8 Tkm | 32.307' | + 86.2° | 47 % | --- |
| 20-06-2010 | 12h18m59s | - 8° 48 ' 31" | 241° 43 ' 14" | +10° 41 ' 43" | -10.43 m | 372.3 Tkm | 32.091' | + 99.3° | 58 % | --- |
| 21-06-2010 | 13h11m04s | -14° 09 ' 49" | 228° 37 ' 13" | +12° 26 ' 20" | -10.83 m | 375.1 Tkm | 31.849' | + 112.2° | 69 % | --- |
| 22-06-2010 | 14h04m36s | -18° 46 ' 27" | 215° 35 ' 35" | +13° 35 ' 15" | -11.19 m | 378.2 Tkm | 31.590' | + 124.8° | 78 % | --- |
| 23-06-2010 | 14h59m50s | -22° 23 ' 22" | 202° 41 ' 39" | +14° 08 ' 33" | -11.52 m | 381.4 Tkm | 31.320' | + 137.3° | 86 % | --- |
| 24-06-2010 | 15h56m33s | -24° 48 ' 10" | 189° 59 ' 07" | +14° 07 ' 56" | -11.84 m | 384.8 Tkm | 31.044' | + 149.6° | 93 % | --- |
| 25-06-2010 | 16h53m54s | -25° 53 ' 00" | 177° 31 ' 22" | +13° 36 ' 23" | -12.15 m | 388.3 Tkm | 30.765' | + 161.6° | 97 % | --- |
| 26-06-2010 | 17h50m40s | -25° 36 ' 25" | 165° 21 ' 00" | +12° 37 ' 47" | -12.46 m | 391.8 Tkm | 30.491' | + 173.3° | 99 % | --- |
| 27-06-2010 | 18h45m40s | -24° 03 ' 40" | 153° 29 ' 24" | +11° 16 ' 32" | -12.48 m | 395.2 Tkm | 30.228' | + 174.7° | 99 % | --- |
| 28-06-2010 | 19h38m03s | -21° 25 ' 15" | 141° 56 ' 34" | +9° 37 ' 03" | -12.14 m | 398.4 Tkm | 29.988' | + 163.4° | 97 % | --- |
| 29-06-2010 | 20h27m35s | -17° 54 ' 18" | 130° 41 ' 06" | +7° 43 ' 30" | -11.82 m | 401.1 Tkm | 29.784' | + 152.2° | 94 % | --- |

Sichtbarkeit

Datum/Standort

Datum: 01-01-2010
 Zeitraum: 1 Jahr
 Br.: 5°15'43"N
 Län.: 86°54'27"W

Objekt

Mond:
 Mond (Erde)

| Datum (0:00 Ortszeit) | Scheinbarer Ort | | Azim | Höhe | Helligkeit | Entf. | Winkeld. | Sonne Elong. | Mond | |
|-----------------------|-----------------|------------|------------|------------|------------|-----------|----------|--------------|-------|--------|
| | RA | Dek | | | | | | | Phase | Winkel |
| 30-06-2010 | 21h14m27s | -13°44'15" | 119°40'19" | +5°39'29" | -11.51 m | 403.2 Tkm | 29.629' | +141.2° | 89 % | --- |
| 01-07-2010 | 21h59m14s | -9°07'17" | 108°50'28" | +3°27'56" | -11.20 m | 404.5 Tkm | 29.536' | +130.2° | 82 % | --- |
| 02-07-2010 | 22h42m40s | -4°14'02" | 98°06'53" | +1°11'15" | -10.88 m | 404.7 Tkm | 29.517' | +119.3° | 74 % | --- |
| 03-07-2010 | 23h25m40s | +0°46'12" | 87°24'08" | -1°08'37" | -10.56 m | 403.8 Tkm | 29.581' | +108.4° | 66 % | --- |
| 04-07-2010 | 0h09m07s | +5°44'42" | 76°36'12" | -3°29'57" | -10.20 m | 401.8 Tkm | 29.734' | +97.5° | 56 % | --- |
| 05-07-2010 | 0h54m00s | +10°32'12" | 65°36'35" | -5°50'50" | -9.81 m | 398.5 Tkm | 29.976' | +86.3° | 47 % | --- |
| 06-07-2010 | 1h41m15s | +14°57'57" | 54°18'37" | -8°08'48" | -9.36 m | 394.2 Tkm | 30.303' | +74.9° | 37 % | --- |
| 07-07-2010 | 2h31m42s | +18°48'39" | 42°35'48" | -10°20'24" | -8.84 m | 389.1 Tkm | 30.700' | +63.2° | 27 % | --- |
| 08-07-2010 | 3h25m53s | +21°48'11" | 30°22'31" | -12°20'53" | -8.24 m | 383.5 Tkm | 31.148' | +51.1° | 18 % | --- |
| 09-07-2010 | 4h23m46s | +23°38'39" | 17°34'59" | -14°03'55" | -7.51 m | 377.8 Tkm | 31.616' | +38.6° | 11 % | --- |
| 10-07-2010 | 5h24m33s | +24°03'31" | 4°12'31" | -15°21'50" | -6.65 m | 372.6 Tkm | 32.066' | +25.7° | 4 % | --- |
| 11-07-2010 | 6h26m42s | +22°52'26" | 350°18'45" | -16°06'33" | -5.62 m | 368.1 Tkm | 32.455' | +12.4° | 1 % | --- |
| 12-07-2010 | 7h28m23s | +20°05'38" | 336°02'10" | -16°10'58" | -4.72 m | 364.8 Tkm | 32.744' | +2.1° | 0 % | --- |
| 13-07-2010 | 8h28m10s | +15°54'50" | 321°35'09" | -15°30'50" | -5.89 m | 363.0 Tkm | 32.906' | +15.3° | 1 % | --- |
| 14-07-2010 | 9h25m26s | +10°40'30" | 307°11'39" | -14°06'00" | -6.96 m | 362.8 Tkm | 32.929' | +29.2° | 6 % | --- |
| 15-07-2010 | 10h20m17s | +4°47'04" | 293°04'06" | -12°00'37" | -7.87 m | 364.0 Tkm | 32.821' | +43.0° | 13 % | --- |
| 16-07-2010 | 11h13m26s | -1°20'58" | 279°20'59" | -9°22'09" | -8.64 m | 366.4 Tkm | 32.604' | +56.7° | 22 % | --- |
| 17-07-2010 | 12h05m46s | -7°21'22" | 266°06'01" | -6°19'40" | -9.28 m | 369.7 Tkm | 32.311' | +70.1° | 33 % | --- |
| 18-07-2010 | 12h58m13s | -12°54'42" | 253°18'34" | -3°02'28" | -9.83 m | 373.6 Tkm | 31.977' | +83.2° | 44 % | --- |
| 19-07-2010 | 13h51m33s | -17°44'15" | 240°54'59" | +0°20'56" | -10.28 m | 377.7 Tkm | 31.628' | +96.0° | 55 % | --- |
| 20-07-2010 | 14h46m11s | -21°35'43" | 228°49'57" | +3°43'03" | -10.68 m | 381.8 Tkm | 31.288' | +108.5° | 66 % | --- |
| 21-07-2010 | 15h42m05s | -24°17'40" | 216°57'36" | +6°57'12" | -11.03 m | 385.7 Tkm | 30.969' | +120.6° | 75 % | --- |
| 22-07-2010 | 16h38m40s | -25°42'32" | 205°12'23" | +9°57'23" | -11.35 m | 389.4 Tkm | 30.679' | +132.6° | 84 % | --- |
| 23-07-2010 | 17h34m59s | -25°47'49" | 193°29'47" | +12°37'58" | -11.65 m | 392.7 Tkm | 30.420' | +144.3° | 90 % | --- |
| 24-07-2010 | 18h29m58s | -24°36'48" | 181°46'47" | +14°53'40" | -11.95 m | 395.7 Tkm | 30.192' | +155.8° | 95 % | --- |
| 25-07-2010 | 19h22m46s | -22°17'45" | 170°02'05" | +16°39'35" | -12.25 m | 398.3 Tkm | 29.995' | +167.2° | 98 % | --- |
| 26-07-2010 | 20h12m58s | -19°02'13" | 158°16'14" | +17°51'31" | -12.56 m | 400.5 Tkm | 29.830' | +178.1° | 99 % | --- |
| 27-07-2010 | 21h00m36s | -15°02'58" | 146°31'24" | +18°26'16" | -12.32 m | 402.2 Tkm | 29.700' | +170.4° | 99 % | --- |
| 28-07-2010 | 21h46m05s | -10°32'31" | 134°50'39" | +18°21'46" | -12.00 m | 403.4 Tkm | 29.612' | +159.4° | 96 % | --- |
| 29-07-2010 | 22h30m01s | -5°42'18" | 123°17'14" | +17°37'16" | -11.70 m | 404.0 Tkm | 29.572' | +148.5° | 92 % | --- |

Sichtbarkeit

Datum/Standort

Datum: 01-01-2010
 Zeitraum: 1 Jahr
 Br.: 5°15'43"N
 Län.: 86°54'27"W

Objekt

Mond:
 Mond (Erde)

| Datum (0:00 Ortszeit) | Scheinbarer Ort | | Azim | Höhe | Helligkeit | Entf. | Winkeld. | Sonne Elong. | Mond | |
|-----------------------|-----------------|--------------|--------------|--------------|------------|-----------|----------|--------------|-------|--------|
| | RA | Dek | | | | | | | Phase | Winkel |
| 30-07-2010 | 23h13m11s | - 0°42 ' 39" | 111°53 ' 37" | +16°13 ' 14" | -11.41 m | 403.7 Tkm | 29.588' | + 137.6° | 87 % | --- |
| 31-07-2010 | 23h56m25s | + 4°16 ' 55" | 100°40 ' 47" | +14°11 ' 05" | -11.11 m | 402.6 Tkm | 29.671' | + 126.6° | 80 % | --- |
| 01-08-2010 | 0h40m33s | + 9°07 ' 02" | 89°37 ' 45" | +11°32 ' 55" | -10.80 m | 400.5 Tkm | 29.826' | + 115.6° | 71 % | --- |
| 02-08-2010 | 1h26m30s | +13°37 ' 39" | 78°41 ' 20" | +8°21 ' 25" | -10.46 m | 397.4 Tkm | 30.058' | + 104.4° | 62 % | --- |
| 03-08-2010 | 2h15m04s | +17°37 ' 10" | 67°46 ' 15" | +4°39 ' 50" | -10.09 m | 393.4 Tkm | 30.368' | + 93.0° | 53 % | --- |
| 04-08-2010 | 3h06m53s | +20°51 ' 54" | 56°45 ' 05" | +0°32 ' 17" | -9.67 m | 388.5 Tkm | 30.750' | + 81.4° | 42 % | --- |
| 05-08-2010 | 4h02m14s | +23°06 ' 17" | 45°28 ' 33" | -3°55 ' 34" | -9.18 m | 383.0 Tkm | 31.189' | + 69.3° | 32 % | --- |
| 06-08-2010 | 5h00m46s | +24°04 ' 25" | 33°45 ' 42" | -8°35 ' 36" | -8.59 m | 377.3 Tkm | 31.659' | + 56.9° | 22 % | --- |
| 07-08-2010 | 6h01m30s | +23°33 ' 25" | 21°24 ' 44" | -13°16 ' 06" | -7.89 m | 371.8 Tkm | 32.128' | + 44.0° | 14 % | --- |
| 08-08-2010 | 7h02m54s | +21°27 ' 35" | 8°14 ' 40" | -17°40 ' 49" | -7.05 m | 367.0 Tkm | 32.550' | + 30.7° | 7 % | --- |
| 09-08-2010 | 8h03m30s | +17°51 ' 27" | 354°08 ' 48" | -21°28 ' 58" | -6.05 m | 363.3 Tkm | 32.882' | + 17.1° | 2 % | --- |
| 10-08-2010 | 9h02m18s | +12°59 ' 44" | 339°09 ' 40" | -24°17 ' 19" | -4.99 m | 361.1 Tkm | 33.082' | + 4.8° | 0 % | --- |
| 11-08-2010 | 9h59m03s | + 7°14 ' 39" | 323°33 ' 30" | -25°44 ' 47" | -5.64 m | 360.6 Tkm | 33.127' | + 12.1° | 1 % | --- |
| 12-08-2010 | 10h54m05s | + 1°01 ' 56" | 307°49 ' 34" | -25°38 ' 45" | -6.73 m | 361.9 Tkm | 33.014' | + 25.8° | 5 % | --- |
| 13-08-2010 | 11h48m07s | - 5°12 ' 38" | 292°31 ' 28" | -23°59 ' 13" | -7.66 m | 364.6 Tkm | 32.764' | + 39.6° | 11 % | --- |
| 14-08-2010 | 12h41m58s | -11°05 ' 32" | 278°05 ' 10" | -20°57 ' 56" | -8.44 m | 368.6 Tkm | 32.412' | + 53.2° | 20 % | --- |
| 15-08-2010 | 13h36m19s | -16°16 ' 40" | 264°42 ' 16" | -16°53 ' 22" | -9.10 m | 373.3 Tkm | 32.002' | + 66.3° | 30 % | --- |
| 16-08-2010 | 14h31m36s | -20°29 ' 47" | 252°21 ' 02" | -12°04 ' 59" | -9.64 m | 378.4 Tkm | 31.574' | + 79.1° | 41 % | --- |
| 17-08-2010 | 15h27m50s | -23°32 ' 47" | 240°51 ' 23" | -6°49 ' 53" | -10.10 m | 383.4 Tkm | 31.161' | + 91.5° | 51 % | --- |
| 18-08-2010 | 16h24m33s | -25°18 ' 14" | 229°59 ' 30" | -1°21 ' 54" | -10.49 m | 388.0 Tkm | 30.785' | + 103.6° | 62 % | --- |
| 19-08-2010 | 17h20m54s | -25°43 ' 55" | 219°30 ' 36" | +4°07 ' 55" | -10.84 m | 392.2 Tkm | 30.462' | + 115.3° | 71 % | --- |
| 20-08-2010 | 18h15m59s | -24°52 ' 52" | 209°10 ' 15" | +9°30 ' 11" | -11.16 m | 395.6 Tkm | 30.194' | + 126.8° | 80 % | --- |
| 21-08-2010 | 19h09m00s | -22°52 ' 38" | 198°45 ' 01" | +14°36 ' 02" | -11.46 m | 398.4 Tkm | 29.984' | + 138.1° | 87 % | --- |
| 22-08-2010 | 19h59m33s | -19°53 ' 41" | 188°02 ' 52" | +19°16 ' 15" | -11.75 m | 400.5 Tkm | 29.826' | + 149.2° | 93 % | --- |
| 23-08-2010 | 20h47m38s | -16°07 ' 48" | 176°54 ' 15" | +23°20 ' 44" | -12.04 m | 402.0 Tkm | 29.716' | + 160.2° | 97 % | --- |
| 24-08-2010 | 21h33m37s | -11°46 ' 54" | 165°13 ' 27" | +26°38 ' 30" | -12.34 m | 402.9 Tkm | 29.651' | + 170.8° | 99 % | --- |
| 25-08-2010 | 22h18m01s | - 7°02 ' 18" | 153°00 ' 42" | +28°58 ' 19" | -12.49 m | 403.2 Tkm | 29.627' | + 176.1° | 99 % | --- |
| 26-08-2010 | 23h01m31s | - 2°04 ' 42" | 140°23 ' 31" | +30°10 ' 10" | -12.21 m | 403.0 Tkm | 29.644' | + 166.3° | 98 % | --- |
| 27-08-2010 | 23h44m54s | + 2°55 ' 46" | 127°36 ' 12" | +30°07 ' 01" | -11.92 m | 402.2 Tkm | 29.704' | + 155.5° | 95 % | --- |
| 28-08-2010 | 0h28m54s | + 7°49 ' 05" | 114°56 ' 23" | +28°46 ' 19" | -11.63 m | 400.7 Tkm | 29.811' | + 144.6° | 90 % | --- |

Sichtbarkeit

Datum/Standort

Datum: 01-01-2010
 Zeitraum: 1 Jahr
 Br.: 5°15'43"N
 Län.: 86°54'27"W

Objekt

Mond:
 Mond (Erde)

| Datum (0:00 Ortszeit) | Scheinbarer Ort | | Azim | Höhe | Helligkeit | Entf. | Winkeld. | Sonne Elong. | Mond | |
|-----------------------|-----------------|-------------|-------------|-------------|------------|-----------|----------|--------------|-------|--------|
| | RA | Dek | | | | | | | Phase | Winkel |
| 29-08-2010 | 1h14m20s | +12°24' 51" | 102°39' 46" | +26°10' 13" | -11.34 m | 398.6 Tkm | 29.969' | + 133.5° | 84 % | --- |
| 30-08-2010 | 2h01m54s | +16°31' 47" | 90°55' 49" | +22°24' 39" | -11.03 m | 395.8 Tkm | 30.185' | + 122.3° | 77 % | --- |
| 31-08-2010 | 2h52m11s | +19°57' 24" | 79°46' 08" | +17°37' 37" | -10.71 m | 392.2 Tkm | 30.460' | + 110.8° | 68 % | --- |
| 01-09-2010 | 3h45m30s | +22°28' 01" | 69°05' 08" | +11°57' 50" | -10.35 m | 387.9 Tkm | 30.795' | + 99.2° | 58 % | --- |
| 02-09-2010 | 4h41m43s | +23°49' 47" | 58°41' 45" | +5°34' 22" | -9.94 m | 383.1 Tkm | 31.181' | + 87.2° | 48 % | --- |
| 03-09-2010 | 5h40m11s | +23°50' 41" | 48°20' 37" | -1°23' 02" | -9.47 m | 378.0 Tkm | 31.603' | + 74.8° | 37 % | --- |
| 04-09-2010 | 6h39m47s | +22°23' 24" | 37°42' 31" | -8°42' 32" | -8.90 m | 372.9 Tkm | 32.035' | + 62.1° | 27 % | --- |
| 05-09-2010 | 7h39m17s | +19°27' 52" | 26°24' 21" | -16°08' 07" | -8.22 m | 368.2 Tkm | 32.443' | + 49.0° | 17 % | --- |
| 06-09-2010 | 8h37m46s | +15°12' 28" | 13°59' 37" | -23°17' 09" | -7.40 m | 364.4 Tkm | 32.784' | + 35.5° | 9 % | --- |
| 07-09-2010 | 9h34m49s | + 9°53' 19" | 0°02' 11" | -29°38' 16" | -6.44 m | 361.8 Tkm | 33.017' | + 21.8° | 3 % | --- |
| 08-09-2010 | 10h30m34s | + 3°52' 16" | 344°17' 27" | -34°31' 47" | -5.38 m | 360.8 Tkm | 33.106' | + 8.9° | 0 % | --- |
| 09-09-2010 | 11h25m32s | - 2°25' 35" | 327°02' 16" | -37°16' 53" | -5.37 m | 361.6 Tkm | 33.039' | + 8.9° | 0 % | --- |
| 10-09-2010 | 12h20m27s | - 8°34' 30" | 309°17' 08" | -37°27' 01" | -6.42 m | 364.0 Tkm | 32.820' | + 21.7° | 3 % | --- |
| 11-09-2010 | 13h15m56s | -14°10' 14" | 292°23' 16" | -35°04' 16" | -7.36 m | 367.8 Tkm | 32.479' | + 35.2° | 9 % | --- |
| 12-09-2010 | 14h12m24s | -18°52' 00" | 277°17' 08" | -30°36' 58" | -8.16 m | 372.7 Tkm | 32.057' | + 48.4° | 17 % | --- |
| 13-09-2010 | 15h09m50s | -22°23' 56" | 264°11' 37" | -24°43' 14" | -8.83 m | 378.1 Tkm | 31.599' | + 61.2° | 26 % | --- |
| 14-09-2010 | 16h07m42s | -24°36' 14" | 252°50' 12" | -17°56' 48" | -9.39 m | 383.5 Tkm | 31.147' | + 73.6° | 36 % | --- |
| 15-09-2010 | 17h05m07s | -25°25' 44" | 242°46' 19" | -10°42' 15" | -9.86 m | 388.7 Tkm | 30.732' | + 85.6° | 46 % | --- |
| 16-09-2010 | 18h01m07s | -24°55' 33" | 233°33' 17" | -3°16' 08" | -10.26 m | 393.3 Tkm | 30.376' | + 97.3° | 56 % | --- |
| 17-09-2010 | 18h54m54s | -23°13' 40" | 224°47' 06" | +4°10' 22" | -10.62 m | 397.0 Tkm | 30.091' | + 108.7° | 66 % | --- |
| 18-09-2010 | 19h46m04s | -20°30' 55" | 216°05' 59" | +11°28' 42" | -10.95 m | 399.8 Tkm | 29.881' | + 119.8° | 75 % | --- |
| 19-09-2010 | 20h34m39s | -16°59' 02" | 207°09' 03" | +18°30' 43" | -11.26 m | 401.6 Tkm | 29.743' | + 130.8° | 83 % | --- |
| 20-09-2010 | 21h21m01s | -12°49' 34" | 197°35' 13" | +25°06' 45" | -11.55 m | 402.6 Tkm | 29.673' | + 141.7° | 89 % | --- |
| 21-09-2010 | 22h05m45s | - 8°13' 19" | 187°03' 06" | +31°03' 57" | -11.84 m | 402.8 Tkm | 29.661' | + 152.5° | 94 % | --- |
| 22-09-2010 | 22h49m32s | - 3°20' 31" | 175°13' 42" | +36°04' 56" | -12.14 m | 402.2 Tkm | 29.699' | + 163.2° | 97 % | --- |
| 23-09-2010 | 23h33m07s | + 1°38' 51" | 161°57' 32" | +39°47' 47" | -12.43 m | 401.2 Tkm | 29.779' | + 173.2° | 99 % | --- |
| 24-09-2010 | 0h17m15s | + 6°34' 36" | 147°25' 49" | +41°48' 56" | -12.43 m | 399.6 Tkm | 29.894' | + 172.8° | 99 % | --- |
| 25-09-2010 | 1h02m41s | +11°15' 53" | 132°17' 41" | +41°50' 01" | -12.15 m | 397.7 Tkm | 30.041' | + 162.5° | 97 % | --- |
| 26-09-2010 | 1h50m03s | +15°30' 56" | 117°29' 20" | +39°45' 37" | -11.86 m | 395.3 Tkm | 30.218' | + 151.4° | 93 % | --- |
| 27-09-2010 | 2h39m54s | +19°06' 57" | 103°47' 55" | +35°45' 07" | -11.57 m | 392.6 Tkm | 30.426' | + 140.1° | 88 % | --- |

Sichtbarkeit

Datum/Standort

Datum: 01-01-2010
 Zeitraum: 1 Jahr
 Br.: 5°15'43"N
 Län.: 86°54'27"W

Objekt

Mond:
 Mond (Erde)

| Datum (0:00 Ortszeit) | Scheinbarer Ort | | Azim | Höhe | Helligkeit | Entf. | Winkeld. | Sonne Elong. | Mond | |
|-----------------------|-----------------|------------|------------|------------|------------|-----------|----------|--------------|-------|--------|
| | RA | Dek | | | | | | | Phase | Winkel |
| 28-09-2010 | 3h32m26s | +21°50'33" | 91°33'41" | +30°07'10" | -11.26 m | 389.6 Tkm | 30.666' | +128.5° | 81 % | --- |
| 29-09-2010 | 4h27m32s | +23°28'45" | 80°42'00" | +23°12'07" | -10.94 m | 386.1 Tkm | 30.938' | +116.8° | 72 % | --- |
| 30-09-2010 | 5h24m33s | +23°50'46" | 70°54'27" | +15°17'45" | -10.59 m | 382.4 Tkm | 31.242' | +104.8° | 63 % | --- |
| 01-10-2010 | 6h22m33s | +22°50'05" | 61°47'15" | +6°38'34" | -10.18 m | 378.4 Tkm | 31.570' | +92.4° | 52 % | --- |
| 02-10-2010 | 7h20m28s | +20°26'11" | 52°54'37" | -2°32'45" | -9.71 m | 374.4 Tkm | 31.908' | +79.8° | 41 % | --- |
| 03-10-2010 | 8h17m31s | +16°45'00" | 43°48'04" | -12°03'00" | -9.16 m | 370.6 Tkm | 32.234' | +66.8° | 30 % | --- |
| 04-10-2010 | 9h13m21s | +11°58'24" | 33°53'41" | -21°35'10" | -8.50 m | 367.3 Tkm | 32.520' | +53.6° | 20 % | --- |
| 05-10-2010 | 10h08m07s | +6°23'08" | 22°28'29" | -30°44'21" | -7.72 m | 365.0 Tkm | 32.731' | +40.1° | 12 % | --- |
| 06-10-2010 | 11h02m20s | +0°19'35" | 8°39'58" | -38°52'33" | -6.79 m | 363.8 Tkm | 32.837' | +26.5° | 5 % | --- |
| 07-10-2010 | 11h56m44s | -5°49'11" | 351°42'21" | -45°04'32" | -5.75 m | 364.1 Tkm | 32.814' | +13.2° | 1 % | --- |
| 08-10-2010 | 12h52m01s | -11°38'57" | 331°50'25" | -48°15'20" | -5.10 m | 365.8 Tkm | 32.656' | +5.9° | 0 % | --- |
| 09-10-2010 | 13h48m41s | -16°46'05" | 311°14'11" | -47°43'25" | -5.99 m | 369.0 Tkm | 32.377' | +16.5° | 2 % | --- |
| 10-10-2010 | 14h46m47s | -20°50'01" | 292°46'16" | -43°46'01" | -6.95 m | 373.3 Tkm | 32.004' | +29.4° | 6 % | --- |
| 11-10-2010 | 15h45m51s | -23°35'46" | 277°44'27" | -37°23'29" | -7.77 m | 378.3 Tkm | 31.577' | +42.1° | 13 % | --- |
| 12-10-2010 | 16h44m52s | -24°56'02" | 265°48'17" | -29°36'30" | -8.47 m | 383.7 Tkm | 31.137' | +54.5° | 21 % | --- |
| 13-10-2010 | 17h42m36s | -24°51'41" | 256°06'18" | -21°06'50" | -9.05 m | 388.9 Tkm | 30.719' | +66.6° | 30 % | --- |
| 14-10-2010 | 18h38m02s | -23°30'28" | 247°51'38" | -12°19'03" | -9.55 m | 393.6 Tkm | 30.354' | +78.2° | 40 % | --- |
| 15-10-2010 | 19h30m33s | -21°04'07" | 240°28'12" | -3°26'46" | -9.98 m | 397.4 Tkm | 30.059' | +89.6° | 50 % | --- |
| 16-10-2010 | 20h20m09s | -17°45'37" | 233°27'48" | +5°22'13" | -10.36 m | 400.3 Tkm | 29.846' | +100.7° | 59 % | --- |
| 17-10-2010 | 21h07m11s | -13°47'20" | 226°25'58" | +14°02'39" | -10.71 m | 402.0 Tkm | 29.719' | +111.7° | 69 % | --- |
| 18-10-2010 | 21h52m17s | -9°20'14" | 218°57'58" | +22°29'03" | -11.03 m | 402.6 Tkm | 29.675' | +122.5° | 77 % | --- |
| 19-10-2010 | 22h36m14s | -4°34'11" | 210°35'10" | +30°33'21" | -11.34 m | 402.1 Tkm | 29.707' | +133.4° | 84 % | --- |
| 20-10-2010 | 23h19m49s | +0°21'30" | 200°41'44" | +38°01'53" | -11.65 m | 400.8 Tkm | 29.804' | +144.3° | 90 % | --- |
| 21-10-2010 | 0h03m54s | +5°17'22" | 188°34'39" | +44°31'27" | -11.96 m | 398.8 Tkm | 29.953' | +155.2° | 95 % | --- |
| 22-10-2010 | 0h49m14s | +10°03'00" | 173°36'14" | +49°25'36" | -12.27 m | 396.3 Tkm | 30.141' | +166.1° | 98 % | --- |
| 23-10-2010 | 1h36m34s | +14°26'33" | 155°53'36" | +51°57'14" | -12.56 m | 393.6 Tkm | 30.353' | +175.5° | 99 % | --- |
| 24-10-2010 | 2h26m25s | +18°14'40" | 137°03'36" | +51°27'49" | -12.40 m | 390.7 Tkm | 30.579' | +169.6° | 99 % | --- |
| 25-10-2010 | 3h19m03s | +21°12'56" | 119°33'51" | +47°54'27" | -12.11 m | 387.8 Tkm | 30.808' | +158.3° | 96 % | --- |
| 26-10-2010 | 4h14m15s | +23°07'20" | 104°52'58" | +41°50'13" | -11.80 m | 384.9 Tkm | 31.037' | +146.5° | 91 % | --- |
| 27-10-2010 | 5h11m21s | +23°46'26" | 93°01'30" | +33°58'11" | -11.49 m | 382.1 Tkm | 31.261' | +134.5° | 85 % | --- |

Sichtbarkeit

Datum/Standort

Datum: 01-01-2010
 Zeitraum: 1 Jahr
 Br.: 5°15'43"N
 Län.: 86°54'27"W

Objekt

Mond:
 Mond (Erde)

| Datum (0:00 Ortszeit) | Scheinbarer Ort | | Azim | Höhe | Helligkeit | Entf. | Winkeld. | Sonne Elong. | Mond | |
|-----------------------|-----------------|------------|------------|------------|------------|-----------|----------|--------------|-------|--------|
| | RA | Dek | | | | | | | Phase | Winkel |
| 28-10-2010 | 6h09m15s | +23°03'45" | 83°19'15" | +24°53'09" | -11.16 m | 379.5 Tkm | 31.480' | +122.3° | 77 % | --- |
| 29-10-2010 | 7h06m48s | +20°59'19" | 75°02'00" | +14°58'57" | -10.80 m | 376.9 Tkm | 31.694' | +109.8° | 67 % | --- |
| 30-10-2010 | 8h03m09s | +17°39'40" | 67°31'49" | +4°31'44" | -10.39 m | 374.5 Tkm | 31.899' | +97.1° | 56 % | --- |
| 31-10-2010 | 8h57m57s | +13°16'25" | 60°15'42" | -6°16'04" | -9.93 m | 372.3 Tkm | 32.088' | +84.3° | 45 % | --- |
| 01-11-2010 | 9h53m56s | +7°51'50" | 65°03'01" | -9°32'47" | -9.36 m | 369.5 Tkm | 32.332' | +70.6° | 34 % | --- |
| 02-11-2010 | 10h46m40s | +2°06'41" | 57°58'03" | -21°07'40" | -8.71 m | 368.3 Tkm | 32.434' | +57.3° | 23 % | --- |
| 03-11-2010 | 11h39m26s | -3°49'49" | 49°38'29" | -32°29'51" | -7.95 m | 368.0 Tkm | 32.466' | +43.9° | 14 % | --- |
| 04-11-2010 | 12h33m06s | -9°36'58" | 38°54'39" | -43°12'10" | -7.07 m | 368.6 Tkm | 32.412' | +30.5° | 7 % | --- |
| 05-11-2010 | 13h28m21s | -14°53'00" | 23°57'30" | -52°26'13" | -6.06 m | 370.3 Tkm | 32.264' | +17.3° | 2 % | --- |
| 06-11-2010 | 14h25m31s | -19°16'36" | 2°47'42" | -58°46'47" | -5.04 m | 373.1 Tkm | 32.023' | +5.5° | 0 % | --- |
| 07-11-2010 | 15h24m22s | -22°29'27" | 336°42'26" | -60°26'22" | -5.47 m | 376.8 Tkm | 31.704' | +10.7° | 0 % | --- |
| 08-11-2010 | 16h23m58s | -24°19'17" | 312°37'41" | -56°58'44" | -6.44 m | 381.3 Tkm | 31.332' | +22.9° | 4 % | --- |
| 09-11-2010 | 17h22m59s | -24°42'20" | 295°00'59" | -50°00'24" | -7.30 m | 386.1 Tkm | 30.938' | +35.2° | 9 % | --- |
| 10-11-2010 | 18h20m03s | -23°43'29" | 282°52'07" | -41°16'44" | -8.02 m | 391.0 Tkm | 30.554' | +47.1° | 16 % | --- |
| 11-11-2010 | 19h14m15s | -21°33'57" | 274°07'12" | -31°47'53" | -8.64 m | 395.4 Tkm | 30.210' | +58.8° | 24 % | --- |
| 12-11-2010 | 20h05m14s | -18°27'46" | 267°20'45" | -22°02'03" | -9.18 m | 399.1 Tkm | 29.930' | +70.1° | 33 % | --- |
| 13-11-2010 | 20h53m15s | -14°38'51" | 261°41'04" | -12°11'33" | -9.64 m | 401.8 Tkm | 29.729' | +81.2° | 43 % | --- |
| 14-11-2010 | 21h38m54s | -10°19'26" | 256°35'11" | -2°21'19" | -10.06 m | 403.3 Tkm | 29.618' | +92.1° | 52 % | --- |
| 15-11-2010 | 22h22m59s | -5°39'53" | 251°38'50" | +7°26'54" | -10.44 m | 403.6 Tkm | 29.601' | +102.9° | 61 % | --- |
| 16-11-2010 | 23h06m23s | -0°49'13" | 246°29'51" | +17°12'12" | -10.79 m | 402.6 Tkm | 29.675' | +113.8° | 70 % | --- |
| 17-11-2010 | 23h50m00s | +4°04'00" | 240°42'44" | +26°52'19" | -11.12 m | 400.4 Tkm | 29.834' | +124.7° | 79 % | --- |
| 18-11-2010 | 0h34m44s | +8°50'37" | 233°41'38" | +36°21'16" | -11.45 m | 397.4 Tkm | 30.063' | +135.8° | 86 % | --- |
| 19-11-2010 | 1h21m27s | +13°19'57" | 224°29'19" | +45°24'46" | -11.78 m | 393.6 Tkm | 30.347' | +147.0° | 92 % | --- |
| 20-11-2010 | 2h10m49s | +17°19'14" | 211°32'17" | +53°31'16" | -12.12 m | 389.6 Tkm | 30.664' | +158.5° | 96 % | --- |
| 21-11-2010 | 3h03m18s | +20°33'33" | 192°47'57" | +59°35'49" | -12.46 m | 385.5 Tkm | 30.992' | +170.2° | 99 % | --- |
| 22-11-2010 | 3h58m50s | +22°47'08" | 168°08'20" | +61°54'55" | -12.67 m | 381.6 Tkm | 31.308' | +176.5° | 99 % | --- |
| 23-11-2010 | 4h56m49s | +23°45'47" | 143°11'21" | +59°17'28" | -12.36 m | 378.1 Tkm | 31.593' | +164.9° | 98 % | --- |
| 24-11-2010 | 5h56m00s | +23°20'19" | 123°55'50" | +52°32'15" | -12.03 m | 375.3 Tkm | 31.831' | +152.5° | 94 % | --- |
| 25-11-2010 | 6h54m57s | +21°29'20" | 110°32'46" | +43°17'28" | -11.70 m | 373.1 Tkm | 32.014' | +139.8° | 88 % | --- |
| 26-11-2010 | 7h52m30s | +18°19'40" | 100°59'31" | +32°41'21" | -11.35 m | 371.7 Tkm | 32.142' | +126.9° | 80 % | --- |

Sichtbarkeit

Datum/Standort

Datum: 01-01-2010
 Zeitraum: 1 Jahr
 Br.: 5°15'43"N
 Län.: 86°54'27"W

Objekt

Mond:
 Mond (Erde)

| Datum (0:00 Ortszeit) | Scheinbarer Ort | | Azim | Höhe | Helligkeit | Entf. | Winkeld. | Sonne Elong. | Mond | |
|-----------------------|-----------------|-------------|-------------|-------------|------------|-----------|----------|--------------|-------|--------|
| | RA | Dek | | | | | | | Phase | Winkel |
| 27-11-2010 | 8h48m01s | +14°04' 32" | 93°38' 10" | +21°20' 55" | -10.98 m | 370.8 Tkm | 32.218' | + 114.0° | 71 % | --- |
| 28-11-2010 | 9h41m35s | + 9°00' 42" | 87°27' 05" | +9°36' 26" | -10.56 m | 370.4 Tkm | 32.248' | + 100.9° | 60 % | --- |
| 29-11-2010 | 10h33m44s | + 3°26' 08" | 81°45' 19" | -2°19' 21" | -10.09 m | 370.6 Tkm | 32.236' | + 87.8° | 48 % | --- |
| 30-11-2010 | 11h25m20s | - 2°20' 57" | 75°59' 54" | -14°16' 38" | -9.55 m | 371.2 Tkm | 32.186' | + 74.7° | 37 % | --- |
| 01-12-2010 | 12h17m18s | - 8°02' 21" | 69°35' 49" | -26°04' 58" | -8.93 m | 372.2 Tkm | 32.096' | + 61.6° | 26 % | --- |
| 02-12-2010 | 13h10m33s | -13°19' 26" | 61°44' 40" | -37°29' 42" | -8.21 m | 373.7 Tkm | 31.963' | + 48.5° | 17 % | --- |
| 03-12-2010 | 14h05m39s | -17°53' 27" | 51°06' 50" | -48°05' 40" | -7.39 m | 375.9 Tkm | 31.784' | + 35.5° | 9 % | --- |
| 04-12-2010 | 15h02m46s | -21°26' 34" | 35°28' 57" | -57°03' 46" | -6.45 m | 378.6 Tkm | 31.557' | + 22.7° | 3 % | --- |
| 05-12-2010 | 16h01m24s | -23°44' 14" | 12°24' 16" | -62°50' 25" | -5.41 m | 381.8 Tkm | 31.286' | + 10.1° | 0 % | --- |
| 06-12-2010 | 17h00m25s | -24°38' 10" | 344°19' 39" | -63°29' 56" | -4.78 m | 385.6 Tkm | 30.982' | + 3.4° | 0 % | --- |
| 07-12-2010 | 17h58m25s | -24°08' 12" | 320°18' 10" | -58°59' 52" | -5.77 m | 389.6 Tkm | 30.661' | + 14.9° | 1 % | --- |
| 08-12-2010 | 18h54m06s | -22°22' 07" | 303°56' 35" | -51°21' 34" | -6.67 m | 393.7 Tkm | 30.344' | + 26.8° | 5 % | --- |
| 09-12-2010 | 19h46m45s | -19°32' 51" | 293°03' 23" | -42°17' 12" | -7.45 m | 397.5 Tkm | 30.053' | + 38.3° | 11 % | --- |
| 10-12-2010 | 20h36m16s | -15°55' 09" | 285°18' 53" | -32°37' 31" | -8.12 m | 400.8 Tkm | 29.808' | + 49.6° | 18 % | --- |
| 11-12-2010 | 21h23m02s | -11°42' 59" | 279°19' 37" | -22°44' 35" | -8.71 m | 403.2 Tkm | 29.631' | + 60.7° | 26 % | --- |
| 12-12-2010 | 22h07m44s | - 7°08' 20" | 274°17' 47" | -12°47' 29" | -9.23 m | 404.5 Tkm | 29.534' | + 71.6° | 35 % | --- |
| 13-12-2010 | 22h51m13s | - 2°21' 13" | 269°43' 17" | -2°49' 19" | -9.69 m | 404.6 Tkm | 29.528' | + 82.4° | 44 % | --- |
| 14-12-2010 | 23h34m23s | + 2°29' 43" | 265°13' 38" | +7°09' 20" | -10.11 m | 403.3 Tkm | 29.619' | + 93.3° | 53 % | --- |
| 15-12-2010 | 0h18m12s | + 7°16' 10" | 260°27' 36" | +17°08' 29" | -10.50 m | 400.8 Tkm | 29.806' | + 104.2° | 63 % | --- |
| 16-12-2010 | 1h03m35s | +11°49' 05" | 254°59' 25" | +27°06' 43" | -10.87 m | 397.1 Tkm | 30.082' | + 115.2° | 71 % | --- |
| 17-12-2010 | 1h51m24s | +15°57' 37" | 248°10' 52" | +36°58' 35" | -11.23 m | 392.5 Tkm | 30.433' | + 126.5° | 80 % | --- |
| 18-12-2010 | 2h42m20s | +19°28' 31" | 238°57' 08" | +46°29' 19" | -11.58 m | 387.4 Tkm | 30.839' | + 138.1° | 87 % | --- |
| 19-12-2010 | 3h36m43s | +22°06' 16" | 225°24' 09" | +55°03' 16" | -11.94 m | 382.0 Tkm | 31.271' | + 150.1° | 93 % | --- |
| 20-12-2010 | 4h34m19s | +23°34' 39" | 204°51' 28" | +61°20' 53" | -12.30 m | 376.9 Tkm | 31.697' | + 162.4° | 97 % | --- |
| 21-12-2010 | 5h34m10s | +23°40' 09" | 177°25' 13" | +63°10' 39" | -12.69 m | 372.4 Tkm | 32.082' | + 175.1° | 99 % | --- |
| 22-12-2010 | 6h34m45s | +22°16' 06" | 151°08' 41" | +59°19' 11" | -12.62 m | 368.8 Tkm | 32.391' | + 171.9° | 99 % | --- |
| 23-12-2010 | 7h34m31s | +19°25' 25" | 132°22' 20" | +51°12' 48" | -12.26 m | 366.4 Tkm | 32.601' | + 158.7° | 96 % | --- |
| 24-12-2010 | 8h32m22s | +15°20' 21" | 119°52' 29" | +40°50' 13" | -11.91 m | 365.3 Tkm | 32.701' | + 145.3° | 91 % | --- |
| 25-12-2010 | 9h27m56s | +10°19' 19" | 111°02' 09" | +29°22' 05" | -11.54 m | 365.4 Tkm | 32.691' | + 131.8° | 83 % | --- |
| 26-12-2010 | 10h21m30s | + 4°43' 19" | 104°09' 25" | +17°24' 52" | -11.15 m | 366.6 Tkm | 32.588' | + 118.5° | 74 % | --- |

Sichtbarkeit

Datum/Standort

Datum: 01-01-2010
 Zeitraum: 1 Jahr
 Br.: 5°15'43"N
 Län.: 86°54'27"W

Objekt

Mond:
 Mond (Erde)

| Datum (0:00 Ortszeit) | Scheinbarer Ort | | Azm | Höhe | Helligkeit | Entf. | Winkeld. | Sonne Elong. | Mond | |
|-----------------------|-----------------|---------------|--------------|---------------|------------|-----------|----------|--------------|-------|--------|
| | RA | Dek | | | | | | | Phase | Winkel |
| 27-12-2010 | 11h13m48s | - 1°06 ' 51 " | 98° 14 ' 37" | +5° 18 ' 45" | -10.72 m | 368.6 Tkm | 32.411' | + 105.2° | 63 % | --- |
| 28-12-2010 | 12h05m45s | - 6°51 ' 40" | 92° 38 ' 26" | -6° 43 ' 35" | -10.25 m | 371.2 Tkm | 32.185' | + 92.0° | 52 % | --- |
| 29-12-2010 | 12h58m15s | -12° 13 ' 02" | 86° 48 ' 10" | -18° 32 ' 29" | -9.72 m | 374.1 Tkm | 31.929' | + 79.0° | 41 % | --- |
| 30-12-2010 | 13h52m03s | -16° 54 ' 01" | 80° 07 ' 34" | -29° 57 ' 54" | -9.13 m | 377.3 Tkm | 31.658' | + 66.2° | 30 % | --- |
| 31-12-2010 | 14h47m32s | -20° 38 ' 58" | 71° 45 ' 19" | -40° 45 ' 31" | -8.46 m | 380.7 Tkm | 31.380' | + 53.6° | 20 % | --- |