# Tables de correction des hauteurs

# Soleil

**Première Correction (- horizon, - réfraction, + parallaxe + demi-diamètre) à ajouter algébriquement à la hauteur**

| Hauteur | 0m | 2m | 4m | 6m | 8m | 10m | 12m | 14m | 16m | 18m | 20m | 22m | 24m |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7°00' | 8.929' | 6.406' | 5.361' | 4.559' | 3.882' | 3.287' | 2.748' | 2.253' | 1.792' | 1.359' | 0.949' | 0.560' | 0.187' |
| 7°20' | 9.195' | 6.674' | 5.629' | 4.828' | 4.152' | 3.557' | 3.019' | 2.524' | 2.063' | 1.630' | 1.221' | 0.832' | 0.460' |
| 7°40' | 9.445' | 6.926' | 5.882' | 5.082' | 4.406' | 3.812' | 3.274' | 2.779' | 2.319' | 1.887' | 1.478' | 1.089' | 0.717' |
| 8°00' | 9.682' | 7.164' | 6.121' | 5.321' | 4.646' | 4.052' | 3.514' | 3.020' | 2.560' | 2.128' | 1.719' | 1.331' | 0.959' |
| 8°20' | 9.904' | 7.388' | 6.346' | 5.546' | 4.872' | 4.278' | 3.741' | 3.247' | 2.787' | 2.356' | 1.947' | 1.559' | 1.188' |
| 8°40' | 10.114' | 7.599' | 6.558' | 5.758' | 5.085' | 4.491' | 3.954' | 3.461' | 3.001' | 2.570' | 2.162' | 1.774' | 1.403' |
| 9°00' | 10.311' | 7.798' | 6.757' | 5.959' | 5.285' | 4.692' | 4.155' | 3.662' | 3.203' | 2.772' | 2.364' | 1.976' | 1.605' |
| 9°20' | 10.498' | 7.986' | 6.946' | 6.147' | 5.474' | 4.881' | 4.345' | 3.852' | 3.393' | 2.962' | 2.555' | 2.167' | 1.796' |
| 9°40' | 10.674' | 8.163' | 7.123' | 6.325' | 5.653' | 5.060' | 4.524' | 4.032' | 3.573' | 3.142' | 2.735' | 2.347' | 1.977' |
| 10°00' | 10.840' | 8.331' | 7.291' | 6.494' | 5.821' | 5.229' | 4.694' | 4.201' | 3.743' | 3.312' | 2.905' | 2.517' | 2.147' |
| 10°20' | 10.997' | 8.489' | 7.450' | 6.653' | 5.981' | 5.389' | 4.854' | 4.361' | 3.903' | 3.473' | 3.066' | 2.678' | 2.308' |
| 10°40' | 11.147' | 8.639' | 7.601' | 6.804' | 6.132' | 5.540' | 5.005' | 4.513' | 4.055' | 3.625' | 3.218' | 2.831' | 2.461' |
| 11°00' | 11.288' | 8.782' | 7.744' | 6.947' | 6.275' | 5.684' | 5.149' | 4.657' | 4.199' | 3.769' | 3.362' | 2.975' | 2.606' |
| 11°30' | 11.487' | 8.982' | 7.944' | 7.148' | 6.477' | 5.885' | 5.351' | 4.859' | 4.401' | 3.972' | 3.565' | 3.178' | 2.809' |
| 12°00' | 11.671' | 9.167' | 8.130' | 7.334' | 6.663' | 6.072' | 5.538' | 5.046' | 4.589' | 4.159' | 3.753' | 3.367' | 2.997' |
| 12°30' | 11.842' | 9.340' | 8.303' | 7.507' | 6.837' | 6.246' | 5.712' | 5.220' | 4.763' | 4.334' | 3.928' | 3.541' | 3.172' |
| 13°00' | 12.002' | 9.500' | 8.464' | 7.668' | 6.998' | 6.407' | 5.873' | 5.382' | 4.925' | 4.496' | 4.090' | 3.704' | 3.335' |
| 13°30' | 12.151' | 9.650' | 8.614' | 7.819' | 7.149' | 6.558' | 6.024' | 5.533' | 5.077' | 4.647' | 4.242' | 3.856' | 3.487' |
| 14°00' | 12.290' | 9.790' | 8.754' | 7.959' | 7.289' | 6.699' | 6.166' | 5.675' | 5.218' | 4.789' | 4.383' | 3.997' | 3.629' |
| 15°00' | 12.543' | 10.044' | 9.009' | 8.215' | 7.545' | 6.955' | 6.422' | 5.931' | 5.475' | 5.046' | 4.641' | 4.255' | 3.886' |
| 16°00' | 12.767' | 10.269' | 9.235' | 8.441' | 7.771' | 7.182' | 6.649' | 6.158' | 5.702' | 5.274' | 4.868' | 4.483' | 4.114' |
| 17°00' | 12.967' | 10.470' | 9.436' | 8.642' | 7.973' | 7.384' | 6.851' | 6.361' | 5.904' | 5.476' | 5.071' | 4.685' | 4.317' |
| 18°00' | 13.146' | 10.650' | 9.616' | 8.822' | 8.154' | 7.564' | 7.032' | 6.542' | 6.086' | 5.657' | 5.252' | 4.867' | 4.499' |
| 19°00' | 13.307' | 10.812' | 9.778' | 8.985' | 8.317' | 7.727' | 7.195' | 6.705' | 6.249' | 5.821' | 5.416' | 5.031' | 4.663' |
| 20°00' | 13.454' | 10.959' | 9.926' | 9.133' | 8.464' | 7.875' | 7.343' | 6.853' | 6.397' | 5.969' | 5.564' | 5.179' | 4.811' |
| 22°00' | 13.710' | 11.216' | 10.183' | 9.390' | 8.722' | 8.133' | 7.601' | 7.111' | 6.656' | 6.228' | 5.823' | 5.438' | 5.070' |
| 24°00' | 13.925' | 11.432' | 10.400' | 9.607' | 8.939' | 8.351' | 7.818' | 7.329' | 6.874' | 6.446' | 6.041' | 5.656' | 5.289' |
| 26°00' | 14.110' | 11.618' | 10.585' | 9.793' | 9.125' | 8.537' | 8.005' | 7.516' | 7.060' | 6.633' | 6.228' | 5.843' | 5.476' |
| 28°00' | 14.271' | 11.779' | 10.746' | 9.954' | 9.286' | 8.698' | 8.166' | 7.677' | 7.222' | 6.794' | 6.390' | 6.005' | 5.638' |
| 30°00' | 14.411' | 11.920' | 10.888' | 10.096' | 9.428' | 8.840' | 8.308' | 7.819' | 7.364' | 6.936' | 6.532' | 6.147' | 5.780' |
| 32°00' | 14.536' | 12.045' | 11.013' | 10.221' | 9.553' | 8.965' | 8.433' | 7.944' | 7.489' | 7.062' | 6.657' | 6.273' | 5.905' |
| 34°00' | 14.647' | 12.156' | 11.124' | 10.333' | 9.665' | 9.077' | 8.545' | 8.056' | 7.601' | 7.174' | 6.770' | 6.385' | 6.018' |
| 36°00' | 14.748' | 12.257' | 11.225' | 10.433' | 9.766' | 9.178' | 8.646' | 8.157' | 7.702' | 7.275' | 6.870' | 6.486' | 6.119' |
| 38°00' | 14.839' | 12.348' | 11.316' | 10.524' | 9.857' | 9.269' | 8.737' | 8.248' | 7.793' | 7.366' | 6.962' | 6.577' | 6.210' |
| 40°00' | 14.921' | 12.431' | 11.399' | 10.607' | 9.940' | 9.352' | 8.821' | 8.332' | 7.877' | 7.449' | 7.045' | 6.661' | 6.294' |
| 45°00' | 15.101' | 12.610' | 11.579' | 10.787' | 10.120' | 9.532' | 9.001' | 8.512' | 8.057' | 7.630' | 7.226' | 6.841' | 6.474' |
| 50°00' | 15.250' | 12.760' | 11.729' | 10.937' | 10.270' | 9.682' | 9.151' | 8.662' | 8.207' | 7.780' | 7.376' | 6.991' | 6.624' |
| 55°00' | 15.378' | 12.888' | 11.856' | 11.065' | 10.398' | 9.810' | 9.279' | 8.790' | 8.335' | 7.908' | 7.504' | 7.119' | 6.752' |
| 60°00' | 15.490' | 13.000' | 11.968' | 11.177' | 10.510' | 9.922' | 9.391' | 8.902' | 8.447' | 8.020' | 7.616' | 7.231' | 6.864' |
| 70°00' | 15.681' | 13.191' | 12.160' | 11.368' | 10.701' | 10.114' | 9.582' | 9.094' | 8.639' | 8.212' | 7.808' | 7.423' | 7.056' |
| 80°00' | 15.846' | 13.356' | 12.325' | 11.534' | 10.867' | 10.279' | 9.748' | 9.259' | 8.804' | 8.377' | 7.973' | 7.589' | 7.222' |
| 90°00' | 16.000' | 13.510' | 12.479' | 11.688' | 11.021' | 10.433' | 9.902' | 9.413' | 8.958' | 8.531' | 8.127' | 7.743' | 7.376' |

**Deuxième Correction (bord inférieur) à ajouter algébriquement à la hauteur**

| Janvier | Février | Mars | Avril | Mai | Juin | Juillet | Août | Septembre | Octobre | Novembre | Décembre |
|---|---|---|---|---|---|---|---|---|---|---|---|
| +0'.3 | +0'.2 | +0'.1 | 0'.0 | -0'.2 | -0'.2 | -0'.2 | -0'.2 | -0'.1 | +0'.1 | +0'.2 | +0'.3 |

**Deuxième Correction (bord supérieur) à ajouter algébriquement à la hauteur**

| Janvier | Février | Mars | Avril | Mai | Juin | Juillet | Août | Septembre | Octobre | Novembre | Décembre |
|---|---|---|---|---|---|---|---|---|---|---|---|
| -32'.3 | -32'.2 | -32'.1 | -32'.0 | -31'.8 | -31'.8 | -31'.8 | -31'.8 | -31'.9 | +32'.1 | +32'.2 | +32'.3 |

# Lune

**Première Correction (horizon) à soustraire de la hauteur**

| Hauteur | 0m | 2m | 4m | 6m | 8m | 10m | 12m | 14m | 16m | 18m | 20m | 22m | 24m |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0.000' | 2.489' | 3.520' | 4.311' | 4.978' | 5.566' | 6.097' | 6.585' | 7.040' | 7.467' | 7.871' | 8.255' | 8.622' |

**Bord inférieur, Deuxième Correction (- réfraction, + parallaxe + demi-diamètre) à ajouter algébriquement à la hauteur**

| Hauteur | π 54' | π 55' | π 55.5' | π 56' | π 56.5' | π 57' | π 57.5' | π 58' | π 58.5' | π 59' | π 59.5' | π 60' | π 61' |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5°00' | 59.451' | 60.747' | 61.395' | 62.044' | 62.642' | 63.290' | 63.938' | 64.587' | 65.235' | 65.833' | 66.481' | 67.129' | 68.376' |
| 5°30' | 59.912' | 61.207' | 61.855' | 62.503' | 63.101' | 63.749' | 64.396' | 65.044' | 65.692' | 66.290' | 66.938' | 67.585' | 68.831' |
| 6°00' | 60.356' | 61.651' | 62.298' | 62.946' | 63.543' | 64.190' | 64.838' | 65.485' | 66.133' | 66.730' | 67.377' | 68.025' | 69.270' |
| 6°30' | 60.768' | 62.062' | 62.709' | 63.355' | 63.952' | 64.599' | 65.246' | 65.893' | 66.540' | 67.137' | 67.784' | 68.431' | 69.675' |
| 7°00' | 61.141' | 62.434' | 63.080' | 63.726' | 64.323' | 64.969' | 65.616' | 66.262' | 66.908' | 67.505' | 68.151' | 68.798' | 70.040' |
| 7°30' | 61.475' | 62.766' | 63.412' | 64.058' | 64.654' | 65.300' | 65.946' | 66.591' | 67.237' | 67.833' | 68.479' | 69.125' | 70.367' |
| 8°00' | 61.771' | 63.061' | 63.707' | 64.352' | 64.947' | 65.593' | 66.238' | 66.883' | 67.528' | 68.124' | 68.769' | 69.414' | 70.655' |
| 8°30' | 62.032' | 63.322' | 63.966' | 64.611' | 65.206' | 65.850' | 66.495' | 67.139' | 67.784' | 68.379' | 69.023' | 69.668' | 70.907' |
| 9°00' | 62.262' | 63.550' | 64.194' | 64.838' | 65.432' | 66.076' | 66.720' | 67.364' | 68.007' | 68.601' | 69.245' | 69.889' | 71.127' |
| 10°00' | 62.635' | 63.920' | 64.563' | 65.206' | 65.798' | 66.441' | 67.083' | 67.726' | 68.368' | 68.961' | 69.603' | 70.246' | 71.481' |
| 11°00' | 62.912' | 64.194' | 64.835' | 65.476' | 66.067' | 66.708' | 67.349' | 67.989' | 68.630' | 69.221' | 69.862' | 70.503' | 71.735' |
| 12°00' | 63.107' | 64.386' | 65.025' | 65.664' | 66.254' | 66.893' | 67.532' | 68.171' | 68.810' | 69.400' | 70.039' | 70.678' | 71.906' |
| 13°00' | 63.235' | 64.509' | 65.147' | 65.784' | 66.371' | 67.009' | 67.646' | 68.283' | 68.920' | 69.508' | 70.145' | 70.782' | 72.007' |
| 14°00' | 63.303' | 64.574' | 65.209' | 65.844' | 66.430' | 67.065' | 67.700' | 68.335' | 68.971' | 69.556' | 70.191' | 70.826' | 72.047' |
| 15°00' | 63.321' | 64.587' | 65.220' | 65.853' | 66.436' | 67.069' | 67.702' | 68.335' | 68.968' | 69.552' | 70.185' | 70.818' | 72.034' |
| 16°00' | 63.293' | 64.555' | 65.186' | 65.816' | 66.397' | 67.028' | 67.659' | 68.289' | 68.920' | 69.501' | 70.132' | 70.762' | 71.974' |
| 17°00' | 63.226' | 64.482' | 65.111' | 65.739' | 66.317' | 66.945' | 67.574' | 68.202' | 68.830' | 69.408' | 70.037' | 70.665' | 71.872' |
| 18°00' | 63.122' | 64.373' | 64.999' | 65.624' | 66.200' | 66.826' | 67.451' | 68.077' | 68.703' | 69.278' | 69.904' | 70.530' | 71.731' |
| 19°00' | 62.985' | 64.231' | 64.853' | 65.476' | 66.049' | 66.672' | 67.295' | 67.918' | 68.541' | 69.114' | 69.737' | 70.359' | 71.555' |
| 20°00' | 62.817' | 64.057' | 64.677' | 65.297' | 65.867' | 66.487' | 67.107' | 67.727' | 68.347' | 68.917' | 69.537' | 70.157' | 71.347' |
| 21°00' | 62.621' | 63.855' | 64.472' | 65.089' | 65.656' | 66.273' | 66.890' | 67.506' | 68.123' | 68.690' | 69.307' | 69.924' | 71.108' |
| 22°00' | 62.398' | 63.626' | 64.240' | 64.853' | 65.417' | 66.031' | 66.644' | 67.258' | 67.872' | 68.436' | 69.049' | 69.663' | 70.840' |
| 23°00' | 62.151' | 63.371' | 63.982' | 64.592' | 65.152' | 65.763' | 66.373' | 66.984' | 67.594' | 68.154' | 68.765' | 69.375' | 70.546' |
| 24°00' | 61.879' | 63.093' | 63.700' | 64.307' | 64.863' | 65.470' | 66.077' | 66.684' | 67.291' | 67.848' | 68.455' | 69.062' | 70.225' |
| 25°00' | 61.585' | 62.791' | 63.394' | 63.998' | 64.551' | 65.154' | 65.757' | 66.361' | 66.964' | 67.517' | 68.121' | 68.724' | 69.880' |
| 26°00' | 61.269' | 62.468' | 63.067' | 63.667' | 64.216' | 64.816' | 65.415' | 66.015' | 66.614' | 67.164' | 67.763' | 68.363' | 69.512' |
| 27°00' | 60.932' | 62.123' | 62.718' | 63.314' | 63.860' | 64.455' | 65.051' | 65.647' | 66.242' | 66.788' | 67.383' | 67.979' | 69.120' |
| 28°00' | 60.575' | 61.758' | 62.349' | 62.941' | 63.482' | 64.074' | 64.666' | 65.257' | 65.849' | 66.390' | 66.982' | 67.574' | 68.707' |
| 29°00' | 60.198' | 61.373' | 61.960' | 62.548' | 63.085' | 63.673' | 64.260' | 64.847' | 65.435' | 65.972' | 66.560' | 67.147' | 68.272' |
| 30°00' | 59.803' | 60.969' | 61.552' | 62.135' | 62.668' | 63.252' | 63.835' | 64.418' | 65.001' | 65.534' | 66.117' | 66.700' | 67.817' |
| 31°00' | 59.389' | 60.547' | 61.125' | 61.704' | 62.233' | 62.812' | 63.390' | 63.969' | 64.548' | 65.076' | 65.655' | 66.234' | 67.341' |
| 32°00' | 58.958' | 60.106' | 60.681' | 61.255' | 61.779' | 62.353' | 62.927' | 63.501' | 64.075' | 64.599' | 65.174' | 65.748' | 66.846' |
| 33°00' | 58.510' | 59.649' | 60.218' | 60.788' | 61.307' | 61.876' | 62.446' | 63.015' | 63.585' | 64.104' | 64.674' | 65.243' | 66.332' |
| 34°00' | 58.045' | 59.174' | 59.738' | 60.303' | 60.818' | 61.382' | 61.947' | 62.512' | 63.076' | 63.591' | 64.155' | 64.720' | 65.799' |
| 35°00' | 57.563' | 58.682' | 59.242' | 59.802' | 60.311' | 60.871' | 61.431' | 61.990' | 62.550' | 63.060' | 63.619' | 64.179' | 65.248' |
| 36°00' | 57.065' | 58.175' | 58.729' | 59.284' | 59.788' | 60.343' | 60.898' | 61.452' | 62.007' | 62.511' | 63.066' | 63.621' | 64.680' |
| 37°00' | 56.552' | 57.651' | 58.200' | 58.750' | 59.249' | 59.799' | 60.348' | 60.897' | 61.447' | 61.946' | 62.496' | 63.045' | 64.094' |
| 38°00' | 56.024' | 57.112' | 57.656' | 58.200' | 58.694' | 59.238' | 59.782' | 60.326' | 60.870' | 61.365' | 61.909' | 62.453' | 63.491' |
| 39°00' | 55.480' | 56.558' | 57.096' | 57.635' | 58.124' | 58.662' | 59.201' | 59.739' | 60.278' | 60.767' | 61.305' | 61.844' | 62.871' |
| 40°00' | 54.922' | 55.988' | 56.521' | 57.055' | 57.538' | 58.071' | 58.604' | 59.137' | 59.670' | 60.153' | 60.686' | 61.219' | 62.236' |
| 41°00' | 54.350' | 55.405' | 55.932' | 56.460' | 56.937' | 57.464' | 57.992' | 58.519' | 59.047' | 59.524' | 60.052' | 60.579' | 61.584' |
| 42°00' | 53.764' | 54.807' | 55.329' | 55.850' | 56.322' | 56.844' | 57.365' | 57.887' | 58.408' | 58.880' | 59.402' | 59.923' | 60.917' |
| 43°00' | 53.164' | 54.195' | 54.711' | 55.227' | 55.692' | 56.208' | 56.724' | 57.240' | 57.755' | 58.221' | 58.737' | 59.253' | 60.234' |
| 44°00' | 52.550' | 53.570' | 54.080' | 54.589' | 55.049' | 55.559' | 56.069' | 56.578' | 57.088' | 57.548' | 58.058' | 58.567' | 59.537' |
| **Ø** | **29.5'** | **30'** | **30.3'** | **30.5'** | **30.8'** | **31.1'** | **31.4'** | **31.6'** | **31.9'** | **32.2'** | **32.5'** | **32.7'** | **33.3'** |

# Lune

**Bord inférieur, Deuxième Correction (- réfraction, + parallaxe + demi-diamètre) à ajouter algébriquement à la hauteur**

| Hauteur | π 54' | π 55' | π 55.5' | π 56' | π 56.5' | π 57' | π 57.5' | π 58' | π 58.5' | π 59' | π 59.5' | π 60' | π 61' |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45°00' | 51.924' | 52.931' | 53.435' | 53.938' | 54.392' | 54.896' | 55.399' | 55.903' | 56.407' | 56.860' | 57.364' | 57.867' | 58.825' |
| 46°00' | 51.285' | 52.279' | 52.777' | 53.274' | 53.722' | 54.219' | 54.716' | 55.214' | 55.711' | 56.159' | 56.656' | 57.153' | 58.098' |
| 47°00' | 50.633' | 51.615' | 52.106' | 52.597' | 53.038' | 53.529' | 54.020' | 54.511' | 55.003' | 55.444' | 55.935' | 56.426' | 57.358' |
| 48°00' | 49.969' | 50.938' | 51.423' | 51.907' | 52.342' | 52.827' | 53.311' | 53.796' | 54.281' | 54.715' | 55.200' | 55.685' | 56.604' |
| 49°00' | 49.293' | 50.249' | 50.727' | 51.205' | 51.633' | 52.112' | 52.590' | 53.068' | 53.546' | 53.974' | 54.452' | 54.930' | 55.836' |
| 50°00' | 48.605' | 49.548' | 50.020' | 50.491' | 50.913' | 51.384' | 51.856' | 52.327' | 52.798' | 53.220' | 53.691' | 54.163' | 55.056' |
| 51°00' | 47.906' | 48.836' | 49.300' | 49.765' | 50.180' | 50.645' | 51.109' | 51.574' | 52.039' | 52.453' | 52.918' | 53.383' | 54.262' |
| 52°00' | 47.196' | 48.112' | 48.570' | 49.028' | 49.436' | 49.893' | 50.351' | 50.809' | 51.267' | 51.675' | 52.133' | 52.591' | 53.457' |
| 53°00' | 46.475' | 47.377' | 47.828' | 48.279' | 48.680' | 49.131' | 49.582' | 50.033' | 50.484' | 50.885' | 51.336' | 51.787' | 52.639' |
| 54°00' | 45.743' | 46.631' | 47.075' | 47.519' | 47.913' | 48.357' | 48.801' | 49.245' | 49.689' | 50.083' | 50.527' | 50.971' | 51.809' |
| 55°00' | 45.001' | 45.875' | 46.312' | 46.749' | 47.136' | 47.572' | 48.009' | 48.446' | 48.883' | 49.270' | 49.707' | 50.144' | 50.967' |
| 56°00' | 44.249' | 45.109' | 45.538' | 45.968' | 46.348' | 46.777' | 47.207' | 47.637' | 48.066' | 48.446' | 48.876' | 49.305' | 50.114' |
| 57°00' | 43.488' | 44.332' | 44.755' | 45.177' | 45.549' | 45.972' | 46.394' | 46.817' | 47.239' | 47.611' | 48.034' | 48.456' | 49.251' |
| 58°00' | 42.716' | 43.546' | 43.961' | 44.376' | 44.741' | 45.156' | 45.571' | 45.986' | 46.401' | 46.766' | 47.181' | 47.596' | 48.376' |
| 59°00' | 41.936' | 42.751' | 43.158' | 43.566' | 43.924' | 44.331' | 44.739' | 45.146' | 45.554' | 45.911' | 46.319' | 46.727' | 47.492' |
| 60°00' | 41.146' | 41.946' | 42.346' | 42.746' | 43.097' | 43.497' | 43.897' | 44.297' | 44.697' | 45.047' | 45.447' | 45.847' | 46.597' |
| 61°00' | 40.348' | 41.133' | 41.525' | 41.918' | 42.260' | 42.653' | 43.045' | 43.438' | 43.830' | 44.173' | 44.565' | 44.958' | 45.692' |
| 62°00' | 39.542' | 40.311' | 40.696' | 41.081' | 41.415' | 41.800' | 42.185' | 42.570' | 42.955' | 43.289' | 43.674' | 44.059' | 44.778' |
| 63°00' | 38.727' | 39.481' | 39.858' | 40.235' | 40.562' | 40.939' | 41.316' | 41.693' | 42.070' | 42.397' | 42.774' | 43.151' | 43.855' |
| 64°00' | 37.904' | 38.643' | 39.012' | 39.381' | 39.701' | 40.070' | 40.439' | 40.808' | 41.177' | 41.497' | 41.866' | 42.235' | 42.923' |
| 65°00' | 37.074' | 37.797' | 38.158' | 38.520' | 38.831' | 39.192' | 39.554' | 39.915' | 40.276' | 40.588' | 40.949' | 41.310' | 41.983' |
| 66°00' | 36.237' | 36.944' | 37.297' | 37.651' | 37.954' | 38.307' | 38.661' | 39.014' | 39.368' | 39.671' | 40.024' | 40.378' | 41.035' |
| 76°00' | 27.525' | 28.067' | 28.338' | 28.609' | 28.830' | 29.101' | 29.372' | 29.643' | 29.914' | 30.135' | 30.406' | 30.677' | 31.169' |
| 68°00' | 34.541' | 35.216' | 35.553' | 35.891' | 36.178' | 36.515' | 36.853' | 37.190' | 37.527' | 37.815' | 38.152' | 38.489' | 39.114' |
| 69°00' | 33.684' | 34.342' | 34.672' | 35.001' | 35.280' | 35.609' | 35.938' | 36.268' | 36.597' | 36.876' | 37.205' | 37.534' | 38.143' |
| 70°00' | 32.820' | 33.462' | 33.783' | 34.104' | 34.375' | 34.696' | 35.017' | 35.338' | 35.660' | 35.931' | 36.252' | 36.573' | 37.165' |
| 71°00' | 31.951' | 32.576' | 32.889' | 33.202' | 33.465' | 33.777' | 34.090' | 34.403' | 34.716' | 34.979' | 35.292' | 35.604' | 36.180' |
| 72°00' | 31.075' | 31.685' | 31.989' | 32.294' | 32.548' | 32.853' | 33.157' | 33.462' | 33.766' | 34.021' | 34.325' | 34.630' | 35.189' |
| 73°00' | 30.195' | 30.787' | 31.084' | 31.380' | 31.626' | 31.922' | 32.218' | 32.515' | 32.811' | 33.057' | 33.353' | 33.650' | 34.192' |
| 74°00' | 29.310' | 29.885' | 30.173' | 30.461' | 30.699' | 30.987' | 31.274' | 31.562' | 31.850' | 32.088' | 32.376' | 32.664' | 33.189' |
| 75°00' | 28.419' | 28.978' | 29.258' | 29.537' | 29.767' | 30.046' | 30.325' | 30.605' | 30.884' | 31.114' | 31.393' | 31.673' | 32.181' |
| 76°00' | 27.525' | 28.067' | 28.338' | 28.609' | 28.830' | 29.101' | 29.372' | 29.643' | 29.914' | 30.135' | 30.406' | 30.677' | 31.169' |
| 77°00' | 26.626' | 27.151' | 27.414' | 27.676' | 27.889' | 28.151' | 28.414' | 28.676' | 28.939' | 29.151' | 29.414' | 29.676' | 30.151' |
| 78°00' | 25.724' | 26.231' | 26.485' | 26.739' | 26.943' | 27.197' | 27.451' | 27.705' | 27.959' | 28.163' | 28.417' | 28.671' | 29.129' |
| 79°00' | 24.817' | 25.308' | 25.554' | 25.799' | 25.995' | 26.240' | 26.485' | 26.731' | 26.976' | 27.172' | 27.417' | 27.662' | 28.103' |
| 80°00' | 23.908' | 24.382' | 24.619' | 24.855' | 25.042' | 25.279' | 25.516' | 25.753' | 25.990' | 26.176' | 26.413' | 26.650' | 27.074' |
| 81°00' | 22.996' | 23.452' | 23.680' | 23.909' | 24.087' | 24.315' | 24.543' | 24.772' | 25.000' | 25.178' | 25.406' | 25.634' | 26.041' |
| 82°00' | 22.081' | 22.520' | 22.739' | 22.959' | 23.129' | 23.348' | 23.568' | 23.787' | 24.007' | 24.177' | 24.396' | 24.616' | 25.005' |
| 83°00' | 21.163' | 21.585' | 21.796' | 22.007' | 22.168' | 22.379' | 22.590' | 22.801' | 23.012' | 23.173' | 23.384' | 23.595' | 23.966' |
| 84°00' | 20.244' | 20.648' | 20.851' | 21.053' | 21.205' | 21.407' | 21.610' | 21.812' | 22.014' | 22.167' | 22.369' | 22.571' | 22.926' |
| 85°00' | 19.323' | 19.710' | 19.903' | 20.097' | 20.240' | 20.434' | 20.628' | 20.821' | 21.015' | 21.158' | 21.352' | 21.546' | 21.883' |
| 86°00' | 18.400' | 18.770' | 18.954' | 19.139' | 19.274' | 19.459' | 19.644' | 19.829' | 20.014' | 20.149' | 20.334' | 20.518' | 20.838' |
| 87°00' | 17.476' | 17.828' | 18.004' | 18.181' | 18.307' | 18.483' | 18.659' | 18.835' | 19.011' | 19.138' | 19.314' | 19.490' | 19.792' |
| 88°00' | 16.551' | 16.886' | 17.053' | 17.221' | 17.338' | 17.506' | 17.673' | 17.841' | 18.008' | 18.126' | 18.293' | 18.461' | 18.745' |
| 90°00' | 14.700' | 15.000' | 15.150' | 15.300' | 15.400' | 15.550' | 15.700' | 15.850' | 16.000' | 16.100' | 16.250' | 16.400' | 16.650' |
| **Ø** | **29.5'** | **30'** | **30.3'** | **30.5'** | **30.8'** | **31.1'** | **31.4'** | **31.6'** | **31.9'** | **32.2'** | **32.5'** | **32.7'** | **33.3'** |

**Troisième Correction (bord supérieur), soustraire le diamètre de la hauteur.**

# Planètes et étoiles

**Correction (- horizon, - réfraction) à ajouter algébriquement à la hauteur**

| Hauteur | 0m | 2m | 4m | 6m | 8m | 10m | 12m | 14m | 16m | 18m | 20m | 22m | 24m |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7°00' | -7.170' | -9.693' | -10.739' | -11.541' | -12.217' | -12.813' | -13.351' | -13.847' | -14.308' | -14.741' | -15.150' | -15.540' | -15.912' |
| 7°20' | -6.904' | -9.426' | -10.470' | -11.271' | -11.947' | -12.542' | -13.081' | -13.576' | -14.036' | -14.469' | -14.878' | -15.267' | -15.639' |
| 7°40' | -6.654' | -9.173' | -10.217' | -11.018' | -11.693' | -12.288' | -12.825' | -13.320' | -13.780' | -14.213' | -14.621' | -15.010' | -15.382' |
| 8°00' | -6.417' | -8.935' | -9.978' | -10.778' | -11.453' | -12.047' | -12.585' | -13.079' | -13.539' | -13.971' | -14.380' | -14.768' | -15.140' |
| 8°20' | -6.195' | -8.711' | -9.753' | -10.553' | -11.227' | -11.821' | -12.358' | -12.852' | -13.312' | -13.743' | -14.152' | -14.540' | -14.911' |
| 8°40' | -5.985' | -8.500' | -9.541' | -10.340' | -11.014' | -11.608' | -12.145' | -12.638' | -13.098' | -13.529' | -13.937' | -14.325' | -14.696' |
| 9°00' | -5.788' | -8.301' | -9.342' | -10.140' | -10.814' | -11.407' | -11.943' | -12.437' | -12.896' | -13.327' | -13.735' | -14.123' | -14.494' |
| 9°20' | -5.601' | -8.113' | -9.153' | -9.951' | -10.624' | -11.217' | -11.754' | -12.247' | -12.705' | -13.136' | -13.544' | -13.932' | -14.302' |
| 9°40' | -5.425' | -7.935' | -8.975' | -9.773' | -10.446' | -11.039' | -11.574' | -12.067' | -12.526' | -12.957' | -13.364' | -13.752' | -14.122' |
| 10°00' | -5.258' | -7.768' | -8.807' | -9.605' | -10.277' | -10.869' | -11.405' | -11.898' | -12.356' | -12.787' | -13.194' | -13.581' | -13.951' |
| 10°20' | -5.101' | -7.609' | -8.648' | -9.445' | -10.117' | -10.710' | -11.245' | -11.737' | -12.195' | -12.626' | -13.033' | -13.420' | -13.790' |
| 10°40' | -4.952' | -7.459' | -8.497' | -9.294' | -9.966' | -10.558' | -11.093' | -11.585' | -12.043' | -12.474' | -12.880' | -13.267' | -13.637' |
| 11°00' | -4.810' | -7.316' | -8.355' | -9.151' | -9.823' | -10.414' | -10.949' | -11.441' | -11.899' | -12.329' | -12.736' | -13.123' | -13.493' |
| 11°30' | -4.611' | -7.116' | -8.154' | -8.950' | -9.621' | -10.213' | -10.747' | -11.239' | -11.697' | -12.126' | -12.533' | -12.920' | -13.289' |
| 12°00' | -4.427' | -6.931' | -7.968' | -8.764' | -9.435' | -10.026' | -10.560' | -11.051' | -11.509' | -11.938' | -12.345' | -12.731' | -13.101' |
| 12°30' | -4.255' | -6.758' | -7.795' | -8.590' | -9.261' | -9.852' | -10.386' | -10.877' | -11.335' | -11.764' | -12.170' | -12.556' | -12.926' |
| 13°00' | -4.096' | -6.598' | -7.634' | -8.429' | -9.099' | -9.690' | -10.224' | -10.715' | -11.172' | -11.601' | -12.007' | -12.394' | -12.763' |
| 13°30' | -3.947' | -6.448' | -7.484' | -8.279' | -8.949' | -9.539' | -10.073' | -10.564' | -11.021' | -11.450' | -11.856' | -12.242' | -12.611' |
| 14°00' | -3.807' | -6.307' | -7.343' | -8.138' | -8.808' | -9.398' | -9.932' | -10.422' | -10.879' | -11.308' | -11.714' | -12.100' | -12.469' |
| 15°00' | -3.554' | -6.053' | -7.088' | -7.882' | -8.552' | -9.141' | -9.675' | -10.165' | -10.622' | -11.051' | -11.456' | -11.842' | -12.210' |
| 16°00' | -3.329' | -5.827' | -6.862' | -7.655' | -8.325' | -8.914' | -9.448' | -9.938' | -10.394' | -10.823' | -11.228' | -11.614' | -11.982' |
| 17°00' | -3.129' | -5.626' | -6.660' | -7.454' | -8.123' | -8.712' | -9.245' | -9.735' | -10.191' | -10.620' | -11.025' | -11.410' | -11.779' |
| 18°00' | -2.949' | -5.445' | -6.479' | -7.273' | -7.942' | -8.531' | -9.064' | -9.553' | -10.009' | -10.438' | -10.843' | -11.228' | -11.596' |
| 19°00' | -2.787' | -5.283' | -6.316' | -7.109' | -7.778' | -8.367' | -8.900' | -9.390' | -9.845' | -10.274' | -10.679' | -11.064' | -11.432' |
| 20°00' | -2.640' | -5.135' | -6.168' | -6.961' | -7.630' | -8.219' | -8.751' | -9.241' | -9.697' | -10.125' | -10.530' | -10.915' | -11.283' |
| 22°00' | -2.383' | -4.877' | -5.910' | -6.703' | -7.371' | -7.960' | -8.492' | -8.981' | -9.437' | -9.865' | -10.270' | -10.655' | -11.022' |
| 24°00' | -2.166' | -4.659' | -5.692' | -6.484' | -7.152' | -7.741' | -8.273' | -8.762' | -9.218' | -9.646' | -10.050' | -10.435' | -10.803' |
| 26°00' | -1.980' | -4.472' | -5.505' | -6.297' | -6.965' | -7.553' | -8.085' | -8.574' | -9.030' | -9.457' | -9.862' | -10.247' | -10.614' |
| 28°00' | -1.818' | -4.310' | -5.342' | -6.134' | -6.802' | -7.390' | -7.922' | -8.411' | -8.867' | -9.294' | -9.699' | -10.083' | -10.451' |
| 30°00' | -1.675' | -4.167' | -5.199' | -5.991' | -6.659' | -7.247' | -7.779' | -8.268' | -8.723' | -9.151' | -9.555' | -9.940' | -10.307' |
| 32°00' | -1.549' | -4.040' | -5.072' | -5.864' | -6.532' | -7.120' | -7.652' | -8.141' | -8.596' | -9.023' | -9.428' | -9.812' | -10.180' |
| 34°00' | -1.436' | -3.927' | -4.959' | -5.750' | -6.418' | -7.006' | -7.538' | -8.027' | -8.482' | -8.909' | -9.314' | -9.698' | -10.065' |
| 36°00' | -1.333' | -3.824' | -4.856' | -5.648' | -6.315' | -6.903' | -7.435' | -7.924' | -8.379' | -8.806' | -9.211' | -9.595' | -9.962' |
| 38°00' | -1.240' | -3.731' | -4.763' | -5.555' | -6.222' | -6.810' | -7.342' | -7.830' | -8.286' | -8.713' | -9.117' | -9.502' | -9.869' |
| 40°00' | -1.155' | -3.646' | -4.678' | -5.469' | -6.137' | -6.725' | -7.256' | -7.745' | -8.200' | -8.627' | -9.032' | -9.416' | -9.783' |
| 45°00' | -0.970' | -3.460' | -4.492' | -5.283' | -5.951' | -6.539' | -7.070' | -7.559' | -8.014' | -8.441' | -8.845' | -9.230' | -9.597' |
| 50°00' | -0.814' | -3.304' | -4.336' | -5.127' | -5.795' | -6.382' | -6.914' | -7.403' | -7.858' | -8.285' | -8.689' | -9.073' | -9.441' |
| 55°00' | -0.680' | -3.170' | -4.201' | -4.993' | -5.660' | -6.248' | -6.779' | -7.268' | -7.723' | -8.150' | -8.554' | -8.938' | -9.305' |
| 60°00' | -0.560' | -3.050' | -4.082' | -4.873' | -5.540' | -6.128' | -6.660' | -7.148' | -7.603' | -8.030' | -8.434' | -8.819' | -9.186' |
| 70°00' | -0.353' | -2.843' | -3.875' | -4.666' | -5.333' | -5.921' | -6.452' | -6.941' | -7.396' | -7.823' | -8.227' | -8.611' | -8.978' |
| 80°00' | -0.171' | -2.661' | -3.692' | -4.484' | -5.151' | -5.738' | -6.270' | -6.758' | -7.213' | -7.640' | -8.045' | -8.429' | -8.796' |
| 90°00' | 0.000' | -2.490' | -3.521' | -4.312' | -4.979' | -5.567' | -6.099' | -6.587' | -7.042' | -7.469' | -7.873' | -8.257' | -8.625' |

**Deuxième Correction (+ parallaxe) pour les planètes seulement, à ajouter algébriquement à la hauteur**

| Hauteur | π 0.1' | π 0.2' | π 0.3' | π 0.4' | π 0.5' | π 0.6' | π 0.7' | π 0.8' | π 0.9' | π 1.0' |
|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 0.1 | 0.2 | 0.3 | 0.4 | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 |
| 30° | 0.1 | 0.2 | 0.3 | 0.3 | 0.4 | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 |
| 60° | 0.0 | 0.1 | 0.2 | 0.2 | 0.2 | 0.3 | 0.4 | 0.4 | 0.4 | 0.5 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |