



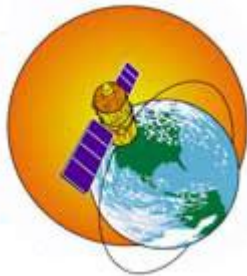
NASA Surface meteorology and Solar Energy:
[RETScreen](#) Data



Latitude **28** / Longitude **-110** was chosen.

| | Unit | Climate data location |
|-----------------------------|------|-----------------------|
| Latitude | °N | 28 |
| Longitude | °E | -110 |
| Elevation | m | 671 |
| Heating design temperature | °C | 6.39 |
| Cooling design temperature | °C | 32.70 |
| Earth temperature amplitude | °C | 19.71 |
| Frost days at site | day | 0 |

| Month | Air temperature °C | Relative humidity % | Daily solar radiation - horizontal kWh/m ² /d | Atmospheric pressure kPa | Wind speed m/s | Earth temperature °C | Heating degree-days °C-d | Cooling degree-days °C-d |
|-----------------|-----------------------|------------------------|---|-----------------------------|-------------------|-------------------------|-----------------------------|-----------------------------|
| January | 13.5 | 39.5% | 4.00 | 92.0 | 3.9 | 13.7 | 120 | 136 |
| February | 14.6 | 36.4% | 4.83 | 92.0 | 3.9 | 15.7 | 89 | 148 |
| March | 17.0 | 30.1% | 6.38 | 91.8 | 3.9 | 19.4 | 56 | 221 |
| April | 20.3 | 26.6% | 7.45 | 91.8 | 3.9 | 23.9 | 15 | 300 |
| May | 24.1 | 26.3% | 8.01 | 91.7 | 3.9 | 28.2 | 0 | 419 |
| June | 27.3 | 32.8% | 7.73 | 91.7 | 3.5 | 31.2 | 0 | 502 |
| July | 26.0 | 57.9% | 6.65 | 91.8 | 3.0 | 28.1 | 0 | 495 |
| August | 24.9 | 66.3% | 6.20 | 91.8 | 2.6 | 25.9 | 0 | 472 |
| September | 23.8 | 62.9% | 5.90 | 91.7 | 3.1 | 24.5 | 0 | 429 |
| October | 21.3 | 47.3% | 5.18 | 91.8 | 3.3 | 22.1 | 4 | 365 |
| November | 16.7 | 38.8% | 4.32 | 92.0 | 3.8 | 17.0 | 45 | 225 |
| December | 13.4 | 41.9% | 3.70 | 92.0 | 3.8 | 13.3 | 121 | 136 |
| Annual | 20.2 | 42.2% | 5.86 | 91.9 | 3.5 | 21.9 | 450 | 3848 |
| Measured at (m) | | | | | 10.0 | 0.0 | | |



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