**Climatic zone map**

The file TropoClim.txt is an ASCII file that provides the identification of the different climatic zones in terms of an integer value. The data is represented as gridded latitude/longitude values in the “standard” ITU-R format. However, there is some variation in the grid spacing of the files, so rather than provide multiple latitude/longitude files and the data format is defined as:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Source | Latitude (rows) | | | Longitude (columns) | | |
|  | First row (°N) | Spacing  (deg) | Number of rows | First col (°E) | Spacing (deg) | Number of cols |
| P.2001 | 89.75 | 0.5 | 360 | -179.75 | 0.5 | 720 |

Notes:

1. The “First row” value is the latitude of the first row.

2. The “First col” value is the longitude of the first column. The columns represent longitudes increasing from 179.75°W to 179.75°E inclusive. That is, the longitude increases eastward. The last column is the same as the first column (360° = 0°) and is provided to simplify interpolation.

3. “Spacing” gives the latitude/longitude increment between rows/columns.

5. The file TropoClim.txt contains integer zone identifiers rather than continuous meteorological variables. Consequently the values should **not** be interpolated to obtain a value at a particular latitude/longitude. Instead the value at the closest grid point should be taken. For this file note that the values in the last column is not a duplicate of the first column. Consequently the latitudes of the rows range from 89.75°N to 89.75°S, and the longitudes of the columns range from 179.75°W to 179.75°E.