Only the file versions provided with this recommendation should be used, they are an integral part of the Recommendation. Table 2.4.1 of Recommendation ITU-R P.2001 gives details of the digital products used in the method, this table is represented below.

TABLE 2.4.1

Digital products

| Filename | Ref. | Origin | Latitude (rows) | | | Longitude (columns | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| First row (ºN) | Spacing (deg) | Number of rows | First col (ºE) | Spacing (deg) | Number of cols |
| DN\_Median.txt | § 3.4.1 | P.2001 | 90 | 1.5 | 121 | 0 | 1.5 | 241 |
| DN\_SupSlope.txt | § 3.4.1 | P.2001 | 90 | 1.5 | 121 | 0 | 1.5 | 241 |
| DN\_SubSlope.txt | § 3.4.1 | P.2001 | 90 | 1.5 | 121 | 0 | 1.5 | 241 |
| dndz\_01.txt | 3.4.2 | P.453-10 | 90 | 1.5 | 121 | 0 | 1.5 | 241 |
| Esarain\_Pr6\_v5.txt | C.2 | P.837-5 | 90 | 1.125 | 161 | 0 | 1.125 | 321 |
| Esarain\_Mt\_v5.txt | C.2 | P.837-5 | 90 | 1.125 | 161 | 0 | 1.125 | 321 |
| Esarain\_Beta\_v5.txt | C.2 | P.837-5 | 90 | 1.125 | 161 | 0 | 1.125 | 321 |
| h0.txt | C.2 | P.839-4 | 90 | 1.5 | 121 | 0 | 1.5 | 241 |
| Surfwv\_50\_fixed.txt[[1]](#footnote-1) | Appx F | P.836-4 (corrected) | 90 | 1.5 | 121 | 0 | 1.5 | 241 |
| FoEs50.txt | Appx G | P.2001 | 90 | 1.5 | 121 | 0 | 1.5 | 241 |
| FoEs10.txt | Appx G | P.2001 | 90 | 1.5 | 121 | 0 | 1.5 | 241 |
| FoEs01.txt | Appx G | P.2001 | 90 | 1.5 | 121 | 0 | 1.5 | 241 |
| FoEs0.1.txt | Appx G | P.2001 | 90 | 1.5 | 121 | 0 | 1.5 | 241 |
| TropoClim.txt | E.2 | P.2001 | 89.75 | 0.5 | 360 | -179.75 | 0.5 | 720 |

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

The “First col” value is the longitude of the first column. The last column is the same as the first column (360° = 0°) and is provided to simplify interpolation.

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

Except for file “TropoClim.txt”, a parameter value at a particular latitude/longitude should be obtained by bilinear interpolation using the four nearest grid points, as described in Recommendation ITU-R P.1144.

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 (a) the grid is offset by half a pixel compared to the other files, (b) the values in the last column are 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.

1. The file “surfwv\_50\_fixed.txt” is a corrected version of the file “surfwv\_50.txt” associated with Recommendation ITU-R P.836-4. “surfwv\_50.txt” has one column less than expected according to the “surfwv\_lat.txt” and “surfwv\_lon.txt” files provided with the data. It has been assumed that the column corresponding to a longitude of 360° was omitted from the file, and this has been corrected in “surfwv\_50\_fixed.txt”. [↑](#footnote-ref-1)