



The parameters' files were named following the sequence of longitude (from West to East) and then the latitude (from North to South). For example, the first parameter file is CN00001.par, which is the first point in the map located in the most western China. There are 96676 files in total, represents 96676 gridded point in China and in each point there is a CLIGEN input parameters files. If the longitude and latitude of a location is known, then you can search it by the location information in two excel table (Location\_of\_grid\_point\_00001-50000.xlsx and Location\_of\_grid\_point\_50001-96676.xlsx) and determine the file number. You also can import these locations of point to ArcGIS and obtain the point shape file and select the region you want.

 Location\_of\_grid\_point\_00001-50000.xlsx

 Location\_of\_grid\_point\_50001-96676.xlsx

Parameters in the data base were firstly calculated using observing precipitation, temperature and solar radiation data, and then interpolated by Universal Kriging method to the mainland China. There are some negative values in the interpolated results of precipitation related parameters because the sparse density of stations in the north-west and the missing observation in the cold season. The negative values were replaced by 0.01 in the parameters' files, and these month were recorded in the end of each parameter file. The example as following,

```
Additional information:
Long: 74.4574432, Lat: 37.0941614
Replaced negative SD TMIN with OK values for these months:
,
Replaced negative MEAN P with 0.01 for these months:
Feb, Mar, Apr, May, Oct, Nov,
Replaced negative S DEV P with 0.01 for these months:
Feb, Mar, Apr, May, Oct, Nov,
Replaced negative SKEW P with 0.01 for these months:
,
Replaced negative P(W/W) with 0.01 for these months:
Nov,
Replaced negative P(W/D) with 0.01 for these months:
,
Replaced negative MAX .5P with 0.01 for these months:
Mar, May, Jun, Jul, Aug, Sep, Dec,
```

Due to the lack of daily dew point data and daily wind direction and speed data, the dew point

