Python Scripts for Acquiring Rainfall Forecasts, Plotting and Converting Data to DSS

Herein, I used Python version 3.6.8. Python can be downloaded from
https://www.python.org/downloads/

Below, it is listed the libraries that I installed. Python will install most of these libraries by default. However, you would need to install some of these libraries manually, using **pip**. Python will let you know if you need a library, so you can install the missing libraries one by one. To install a library or a module, open the command prompt (e.g., type **cmd** in Windows search) and type **pip Install** [**Library**] [**Version of module**]. Make sure you add the Python path to your Environmental Variables (System Variables) before installing libraries. In my case, I added the following two paths to my Environmental Variables: C:\Python36\Scripts\;C:\Python36. The paths may change depending on where you installed Python. If the library version is not available in pip, you may want to use a built-in wheel of the module, which can be found at https://www.lfd.uci.edu/~gohlke/pythonlibs/. When choosing a wheel, select the library for Python 3.6, which is used herein. To install a wheel, use: **pip install** [**some-package**.whl]. Make sure that your **cmd** directory is in the same location as the wheel. To see the list of your libraries, use the command **pip list** in the command prompt (cmd).

Package	Version
affine	2.3.0
appdirs	1.4.3
attrs	19.3.0
basemap	1.2.1
beautifulsoup4	4.8.2
branca	0.3.1
Cartopy	0.17.0
certifi	2019.11.28
cftime	1.0.4.2
chardet	3.0.4
Click	7.0
click-plugins	1.1.1
cligj	0.5.0
configobj	5.0.6
cycler	0.10.0
Cython	0.29.14
decorator	4.4.2
Fiona	1.8.13
folium	0.10.1
GDAL	3.0.4
idna	2.8
ipython-genutils	0.2.0
Jinja2	2.11.1
kiwisolver	1.1.0
MarkupSafe	1.1.1
matplotlib	2.2.2
MetPy	0.12.0
munch	2.5.0
netCDF4	1.5.3

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numpy            1.18.1
packaging        20.3
pandas           1.0.1
Pint             0.11
pip              20.0.2
pooch            1.0.0
protobuf         3.11.3
pykdtree         1.3.1
pyparsing        2.4.6
pyproj           2.4.2.post1
pyresample       1.14.0
pyshp            2.1.0
python-dateutil  2.8.1
pytz             2019.3
PyYAML           5.3
rasterio         1.1.2
requests         2.22.0
scipy            1.4.1
setuptools       40.6.2
Shapely          1.7.0
siphon           0+unknown
six              1.14.0
snuggs           1.4.7
soupsieve        1.9.5
traitlets        4.3.3
urllib3          1.25.8
wheel            0.34.2
xarray           0.15.0
xlrd             1.2.0
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