All files are in **Black Processing Computer**

All the scripts can be found in

C:\Users\mozhou.gao\PycharmProjects\UAV\_Global\_Mapping\Global\_UAV\_Mapping\_Scripts

* Please double check the all the directory path before running the script

The ERA-interim weather data can be found in

Wind and temperature: Y:\Mo\_GlobalUAVMapping\High\_res\_data\Wind\_Temp

Precipitation: Y:\Mo\_GlobalUAVMapping\High\_res\_data\Precip

The daylight matrix file can be found in

Y:\Mo\_GlobalUAVMapping\High\_res\_data

The Results can be found in

Y:\Mo\_GlobalUAVMapping\UAV\_Mapping\_Result

* Folder with ‘\_0’ represents the results relate to ‘precipitation threshold = 0’

**Main Script:**

Global Drone Mapping:

Script name: “DaylightMatrix.py”, “MultiYears\_UAV\_Mapping.py”, and ‘’AveDroneday.py”

**Post Analysis Script:**

1. Compare the dronedays for different drones (AKA DroneRanks)

Script name: ‘DroneRank.py’

1. Find the dronedays for large population cities

Script name: ‘Find\_D\_City.py’

1. Find the most dominant local weather parameter (AKA parameter mapping)

Script name: ‘ParameterMapping.py’, ‘ParameterMapping2.py’, ’ ParameterMapping3.py