**Installing ACPy – in a clean python package**

This guide describes how to install AcPy and all necessary python packages on a Windows computer (including Python27).

1. Download and install python2.7.x from python.org (e.g., install in C:\Python27)
2. Copy the AcPy wheel file (e.g. “acpy-0.2-py2-none-any.whl”) to the “Scripts” folder under the python installation folder (e.g., C:\Python27\Scripts)
3. Open a command prompt and navigate to the “Scripts” folder where you have installed the python package (e.g., “cd C:\Python27\Scripts”)
4. Then type and run the following commands:
   1. pip install numpy
   2. pip install netCDF4
   3. pip install matplotlib
   4. pip install pp
   5. pip install pyyaml
   6. pip install acpy-0.2-py2-none-any.whl

Test that ACPy install was successfully by typing in command prompt (and see the options/flags for ACPy):

acpy –h

**Running ACPy**

It is convenient to create a few bat files that will help you run AcPy. These bat files could be placed in the folder of you model set up.

*ACPY RUN*

Content to bat for running “acpy run”:

C:\Python27\Scripts\acpy run C:\Data\lake\_models\lake\_example\acpy\config\_acpy.xml

*ACPY PLOT*

Content to bat for running “acpy plot”:

C:\Python27\Scripts\acpy plot C:\Data\lake\_models\lake\_example\acpy\config\_acpy.xml

*ACPY PLOT -r (Plot results with a zoom to higher/better likelihoods (dotty plots, i.e. parameter values vs objective function)*

Content to bat for running “acpy plot -r”:

C:\Python27\Scripts\acpy plot -r -200 C:\Data\lake\_models\lake\_example\acpy\config\_acpy.xml -r -200

*ACPY PLOT -u (Plot results that will be updated on-the-fly)*

Content to bat for running “acpy plot -u”:

C:\Python27\Scripts\acpy plot -u C:\Data\lake\_models\lake\_example\acpy\config\_acpy.xml -u

*ACPY PLOTBEST (Plot results from the currently best performing simulation)*

Content to bat for running “acpy plot plotbest”:

C:\Python27\Scripts\acpy plotbest C:\Data\lake\_models\lake\_example\acpy\config\_acpy.xml

*ACPY PLOTBEST -r (Plot results from the currently a specific rank of the best performing simulations)*

Content to bat for running “acpy plot plotbest”:

C:\Python27\Scripts\acpy plotbest -r 2 C:\Data\lake\_models\lake\_example\acpy\config\_acpy.xml