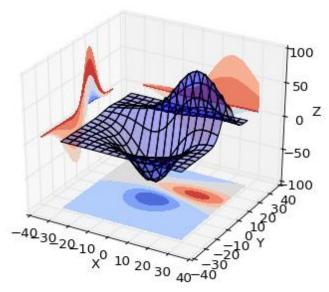
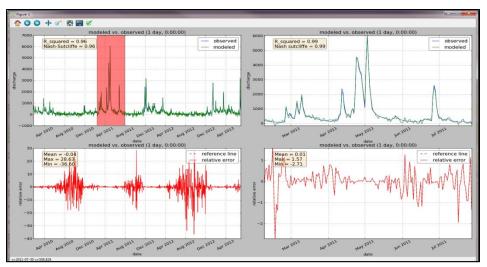
# Introduction to Scientific Computing Meeting 24 Programming with Python







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## Last Meeting

- Learned about:
  - modules
  - import statement
  - sys module
  - sys.argv
- Learned how to get user input using command line arguments via the sys module; sys.argv
- Learned how to read files; File Input and output (File I/O).

## Today's Objective

- Discuss SciPy2014.
- Discuss some resources to use
- Discuss modules we will be using in the near future
- Discuss Integrated Development Environments (IDEs)

# SciPy2014

https://conference.scipy.org/scipy2014/

#### Nice Resources

- http://software-carpentry.org/lessons.html
- http://interactivepython.org/QPYhZ/courselib/static/ thinkcspy/toc.html (thanks to Dave)
- http://ipython.org/
- http://ipython.org/notebook.html
- http://learnpythonthehardway.org/

#### Awesome modules

- Numpy numerical and array library
  - <a href="http://www.numpy.org/">http://www.numpy.org/</a>
- Matplotlib plotting library
  - <a href="http://matplotlib.org/">http://matplotlib.org/</a>

### Integrated Development Environments

- PythonXY:
  - https://code.google.com/p/pythonxy/
- Anaconda:
  - https://store.continuum.io/cshop/anaconda/
- Enthought Canopy:
  - <a href="https://www.enthought.com/products/canopy/">https://www.enthought.com/products/canopy/</a>

## Other editors besides notepad++

- Sublime Text
  - <a href="http://www.sublimetext.com/">http://www.sublimetext.com/</a>

## Next meeting

- Finish script on reading and writing files.
- Learn how to write files.
- Learn how to write functions.