Agenda for Python Training

Miami, FL

November 2015

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| **Thursday, November 19 – 1:30 PM – 5:30 PM (EST)** | | |
|  | **Topic** | **Speaker** |
| 1:30 PM | System Overview | Kathryn |
| 2:00 PM | Object-oriented Scripts | Sam |
| 2:30 PM | Rocoto for HWRF | Christina |
| 3:00 PM | Configuring | Sam |
| **3:30 PM** | **Break** |  |
| 3:50PM | Logs Overview | Christina |
| 4:20 PM | Scripts: Part 1 | Christina |
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| **Friday, November 20 – 9 AM – Noon (EST)** | | |
|  | **Topic** | **Speaker** |
| 9:00 AM | Scripts: Part 2 | Christina |
| 10:00 AM | Database | Sam |
| **10:30 AM** | **Break** |  |
| 10:45 AM | Debugging | Christina |

System Overview

* Current HWRF capabilities
* Purpose of each Rocoto task
* Resources for users and developers

Object-oriented Scripts

* Overview of O-O programming
* How it’s implemented for HWRF

Rocoto for HWRF

* Purpose
* How it works
* Effectively running HWRF with Rocoto

Configuring HWRF

* Parm overview
* Methods to configure a run

Scripts: Part 1

* Driving HWRF: interaction of Rocoto, scripts, and ush
* hwrf\_expt.py overview

Scripts: Part 2

* Reading the scripts for better understanding of the system

Database

* Why is it there?
* What does it do?
* How does it work?

Logs

* Overview of Rocoto, jlog, task, and component logs

Debugging

* Running scripts from command line
* Using an interactive session
* Practical application