Hydroinformatics
Assignment 6
Sharing Data on the CUAHSI Hydrologic Information System

Due Date: October 31

Learning Objectives

• Configure a CUAHSI HydroServer for a new organization
• Organize variables and site data on the HydroServer ODM
• Enter data on the HydroServer and create visualizations through the HydroServer graphing tool

Computer and Data Requirements

• Computer with Internet access
• Data that you will collect yourselves

Task

Over the next few days, create your own observation data set. You can collect any hydro-climate time series data you find interesting. You must record the latitude and longitude of the site where you collect the data, also take a digital photo of the site. Examples of data include:

• Hourly temperature outside your apartment
• Hourly cloud cover at your office window
• Hourly streamflow in a nearby creek or river (use a simple “toss and time” an apple or stick to get a best estimate)

Collect at least 10 measurements of at least 2 variables.

Instantiate a new HydroServer on http://worldwater.byu.edu/ (watch instructions in class on Thursday). Configure the server with your variables and sites. Enter the data. Create a map and a graph of the data using the HydroServer user interface.

Deliverable

A one-page write up describing your effort on this assignment. What data did you collect? Where? How? Explain how you configured your HydroServer and why. What method did you use to enter your data? What is unique, if anything about your approach? Add an Appendix with 2 figures captured from the HydroServer user interface (map and graph).