The Community WRF-Hydro Modeling System
Training Workshop Schedule

Monday, October 16

8:00am – 5:00pm	Travel Day

Tuesday, October 17

8:00am	Shuttle from Millennium Harvest House Boulder to NCAR Foothills Lab
8:30 – 9:30am	Opening presentation, class introductions and overview of the WRF-Hydro system
9:30 – 10:30am	Overview of the WRF-Hydro system, its intended function and structure
10:30 – 10:45am	Break
10:45am – 12:30pm	Hands-on activities on code compilation, namelists, and model configuration options
12:30 – 1:30pm	Lunch
1:30 – 3:00pm	Description of WRF-Hydro physics components
3:00 – 3:15pm	Break
3:15 – 4:15pm	Description of the code structure
4:15 – 5:30pm	Hands-on activities on prepared test cases
5:30pm	Shuttle from NCAR Foothills Lab to Millennium Harvest House Boulder

Wednesday, October 18

8:00am	Shuttle from Millennium Harvest House Boulder to NCAR Foothills Lab
8:30 – 9:00am	Hands-on WRF Preprocessing System (WPS) namelist setup and execution
9:00 – 10:30am	Overview of the WRF-Hydro GIS Pre-processing (WRF-Hydro GISPp) tool
10:30 – 10:45am	Break
10:45am – 12:30pm	Hands-on activities on modifying WRF-Hydro input datasets
12:30 – 1:30pm	Lunch
1:30 – 2:30pm	Meteorological inputs into the uncoupled WRF-Hydro system using the WRF-Hydro Meteorological Forcing Engine (WRF-Hydro MFE)
2:30 – 3:00pm	Hands-on activities building meteorological forcing datasets and executing test runs

3:30 – 3:15pm	Break
3:15 – 5:00pm	Hands-on model experiments and visualization with R
5:00– 5:30pm	CUAHSI Services
5:30pm	Shuttle from NCAR Foothills Lab to Millennium Harvest House Boulder
6:30pm	Group Dinner – Boulder Beer -1123 Walnut St, Boulder, CO 80302

Thursday, October 19

8:00am	Shuttle from Millennium Harvest House Boulder to NCAR Foothills Lab
8:30 – 9:00am	Background on atmospheric modeling and the WRF modeling system
9:00 – 10:00am	Hands-on activities building fully-coupled WRF/WRF-Hydro simulations
10:00 – 10:15am	Break
10:15 – 12:30pm	Hands-on activities on model evaluation and visualization with Rwrfhydro
12:30 – 1:30pm	Lunch
1:30 – 2:30pm	Discussion session – Best practices, pitfalls, debugging
2:30 – 3:30pm	Data Assimilation
3:30 – 3:45pm	Break
3:45 – 4:45pm	Calibration – components, structure, demo
4:45 – 5:30pm	Open hands-on working session
5:30pm	Shuttle from NCAR Foothills Lab to Millennium Harvest House Boulder

Friday, October 20

8:00am	Shuttle from Millennium Harvest House Boulder to Denver International Airport