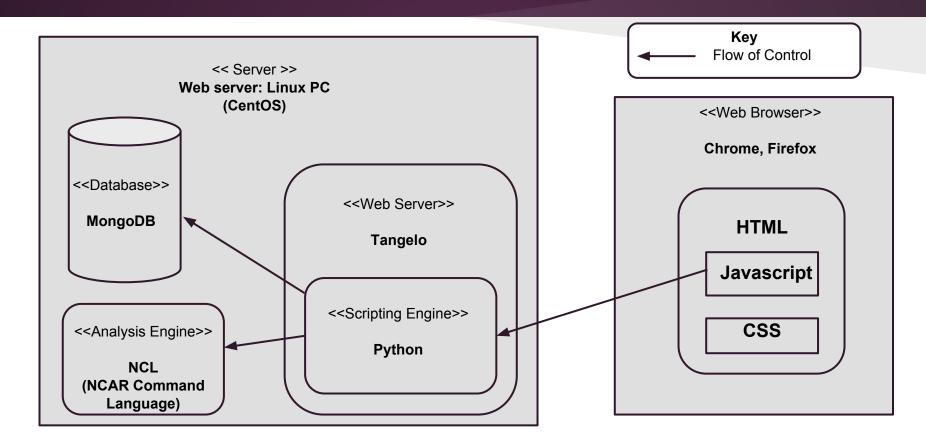
NCAR Scientific Data

Data Analysis Web Application

Work Assignment View

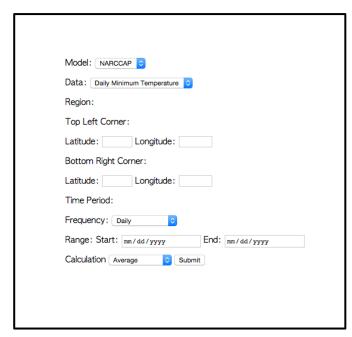
- Hannah Thomas HTML/Javascript
- Hannah Keller NCL/Python interaction
- Connor Guerrieri MongoDB storage
- Bobby Crimi OPeNDAP File I/O
- Bo Han Caching System
- Seongmin Choi CSS Structure

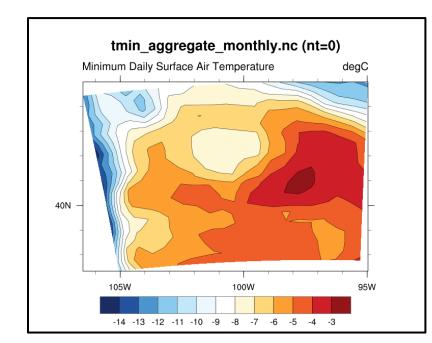
System-level Deployment Diagram



Completed Tasks

- Set up working environment
- Created basic two page working demo



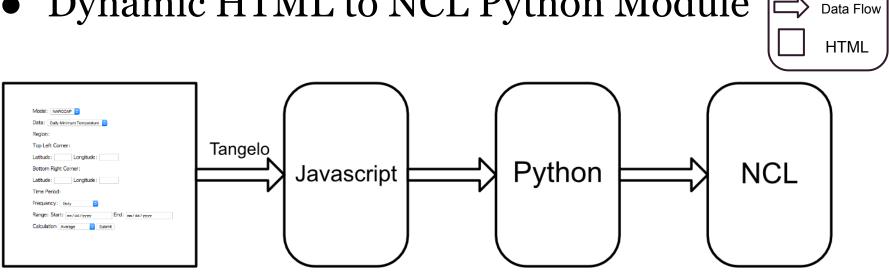


Active Tasks

- Research interactive workflow frameworks
 - o Tangelo Hub, Kepler, Taverna, Arbor
- Split workflow into Data Selection, Calculations, and Result pages
- Set up database for both temporary workflow files and saved workflows
- Create help boxes for workflow process
- Connect user parameters dynamically to NCL scripts

Next Steps

- Model drop down
- Dynamic HTML to NCL Python Module



Key

Script

Risks and Concerns

- Mitigating sponsor's expectations
 - Want catch-all application
- Creating an interactive drag and drop workflow process
- Saving and handling intermediate datasets
 - NARCCAP NetCDF files ~1GB

Questions?