

# Montana Climate Office

<http://climate.umt.edu>



**Kelsey Jensco**  
*State Climatologist*



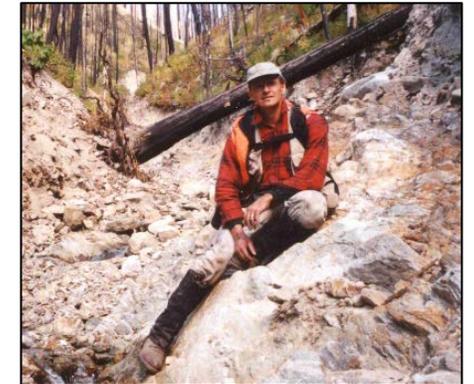
**Ashley Ballentyne**  
*Asst. State Climatologist*



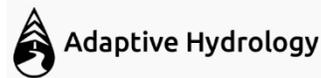
**Michael Sweet**  
*Information Services*



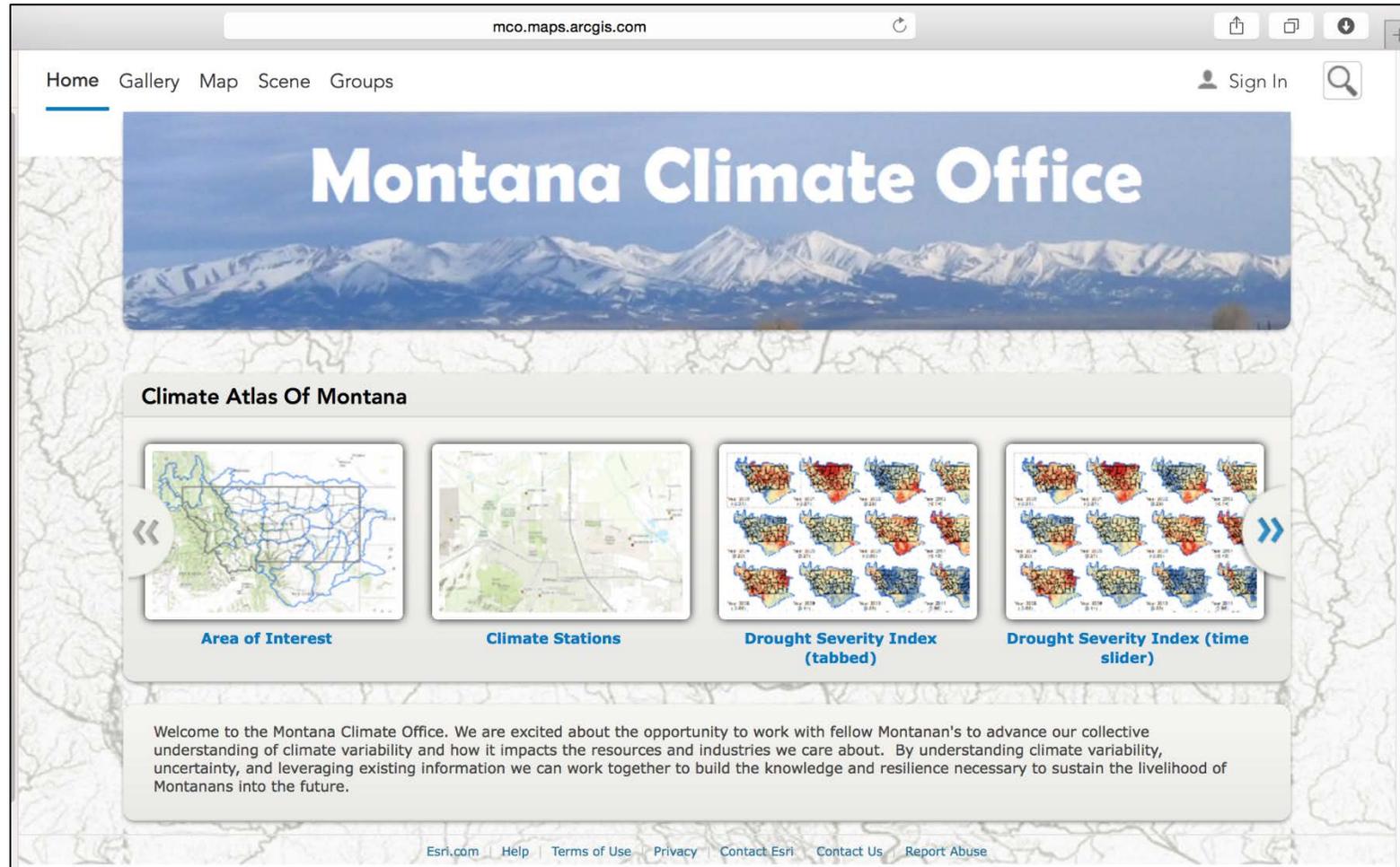
**Nick Silverman**  
*Research Scientist*



**Kevin Hyde**  
*Mesonet  
Coordinator*



# Montana Climate Atlas – 2017 Update



## Updates will include:

- Accessible color ramps
- Improved download speed for mobile
- Development of story map to incorporate descriptive text
- Additional maps

Sweet, M.D., J. Oyler, K. Jencso, S. Running, and A. Ballantyne. "Climate Atlas of Montana." Montana Forest and Conservation Experiment Station. September 9 2015. <http://climate.umt.edu/atlas>

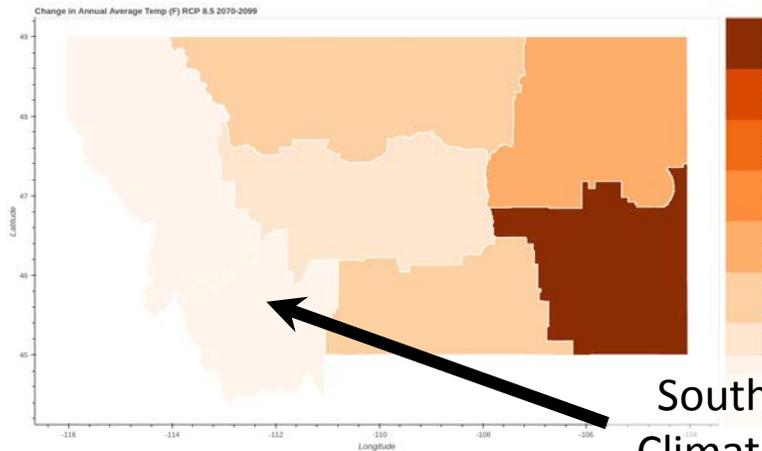
# The Montana Climate Assessment

A Local Context for Optimizing our Future Decision Making and Profitability

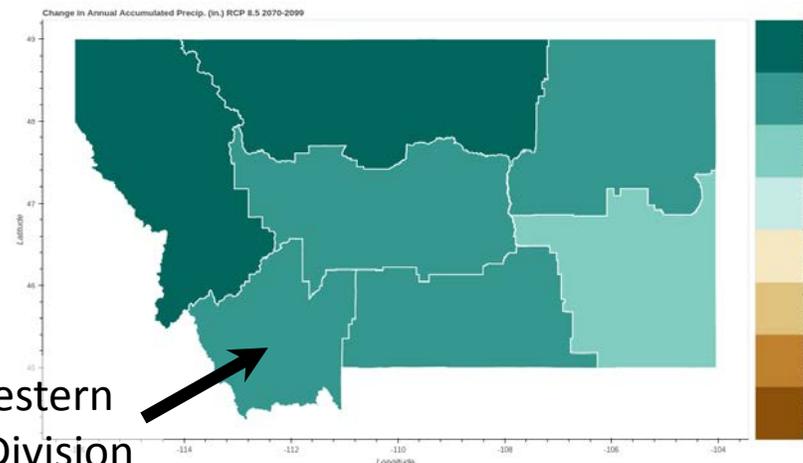


Nick Silverman

Temperature Changes

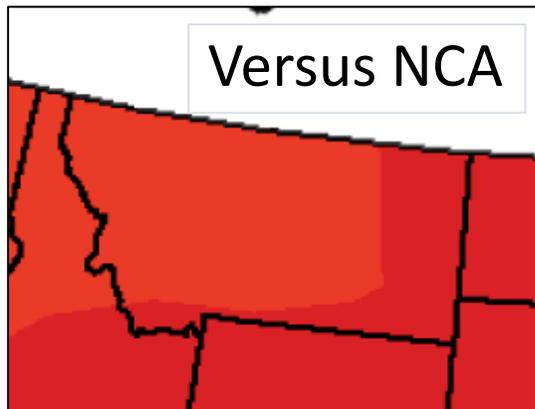


Precipitation Changes

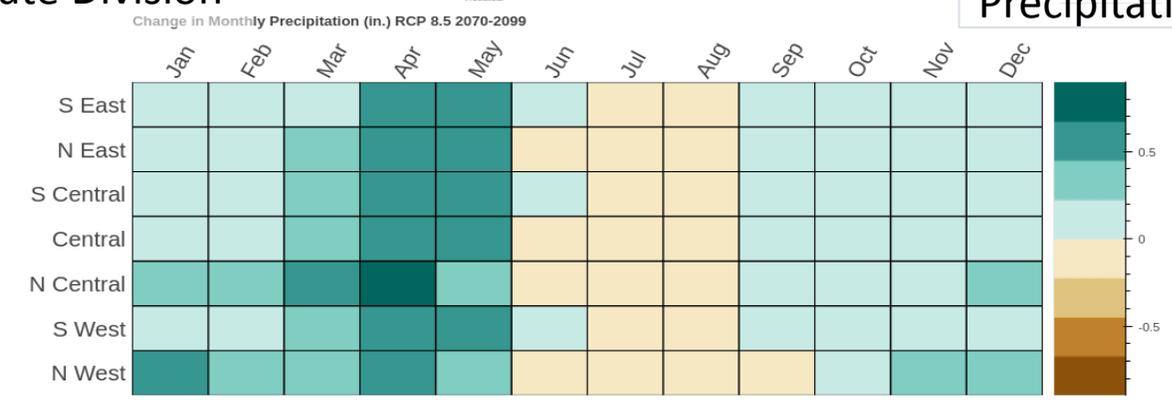


Southwestern  
Climate Division

Versus NCA



Precipitation Variability



# Montana Mesonet



## 30 minute measurements

- Relative humidity
- Wind speed & Direction
- Temperature
- Precipitation
- Solar radiation
- **Soil moisture (4 depths)**
- **Soil temperature (4 depths)**
- **Soil water electrical conductivity (4 depths)**
- **Vegetation greenness (NDVI)**

