

FACTS Data Access and Visualization

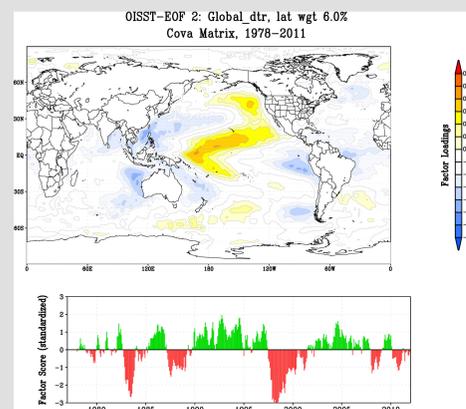
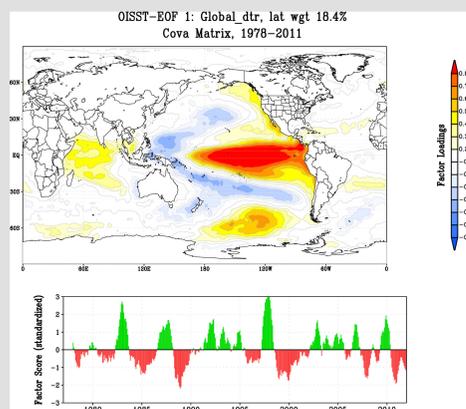
Don Murray



Exploring the Causes of Climate Variations

Why FACTS?

- FACTS provides multi-model, multi-forcing climate experiments to help understand and predict changes in climate and weather.
- Experiments are designed to study the effects of real-time evolving modes of ocean variability (e.g. ENSO, PDO, AMO) on observed weather/climate extremes.
- Provides a capability for the research community to study the causes of atmospheric climate variability.



Interactive Visualization

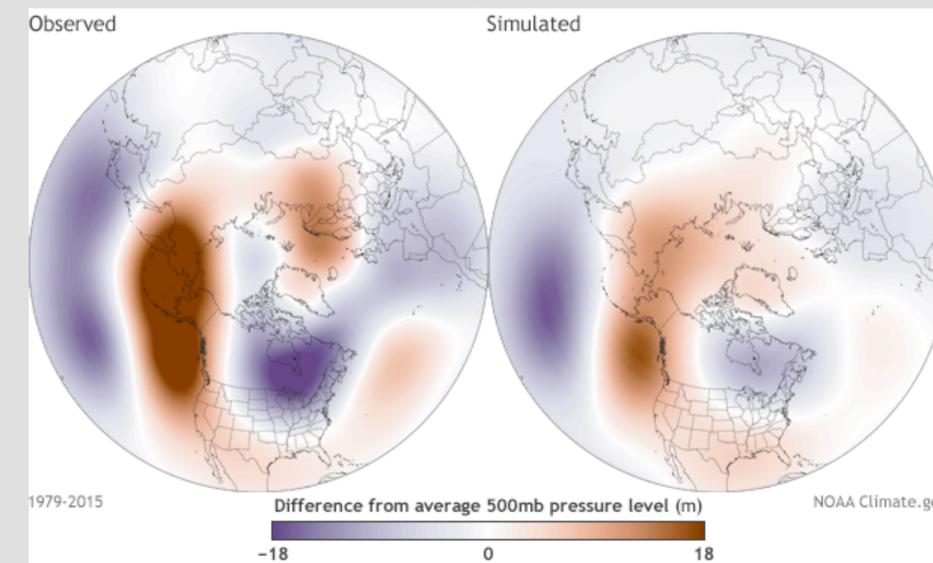
Comparisons

- Model to model
- Experiment to experiment
- Changes over time
- Correlations with climate indices

Sharing Data

Search and Download

- Open access to FACTS climate model output
- Easily search through 25 TB of data
- Download for further analysis



Documenting the Process

- Documentation of forcings for each experiment
- Comparison of variables between models
- Model sources and configurations

Future Plans

- Additional statistical capabilities
- Additional experiments, ensembles and models
- Annual updates to datasets