TSTool Training

Graphing Time Series

Version: 9.07.02, 2010-08-20

Duration: 30+ minutes

Level: Introduction

This Presentation

- Provides an introduction to TSTool graphing features
- Is designed for self-paced training
- Is accompanied by examples, each of which reside in a folder distributed with this presentation
 - See the doc/Training folder under the software installation

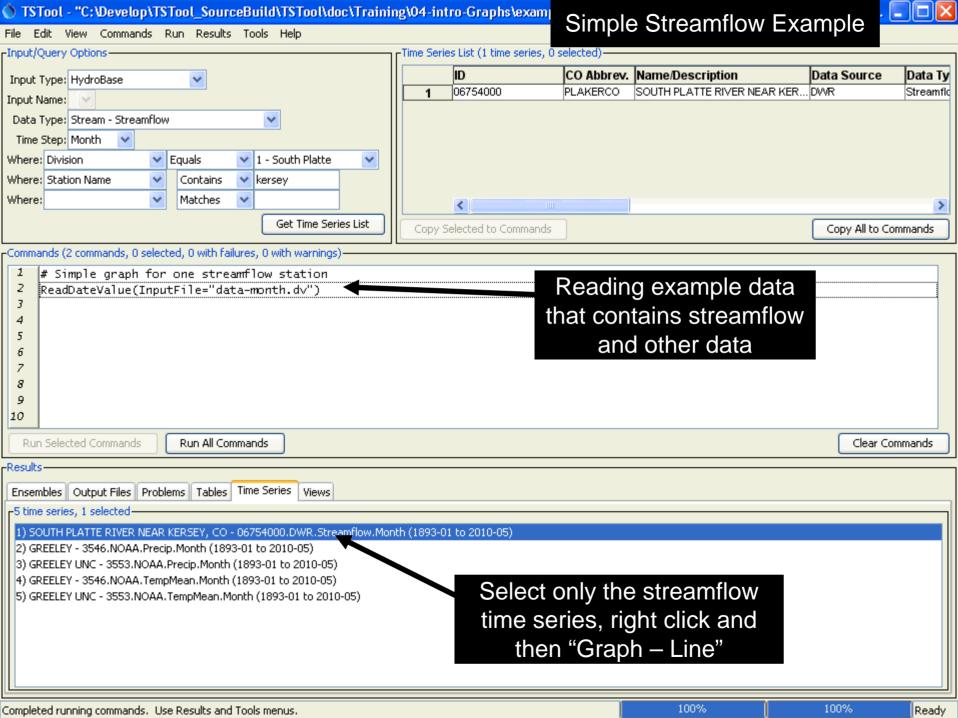
TSTool Graphing Features

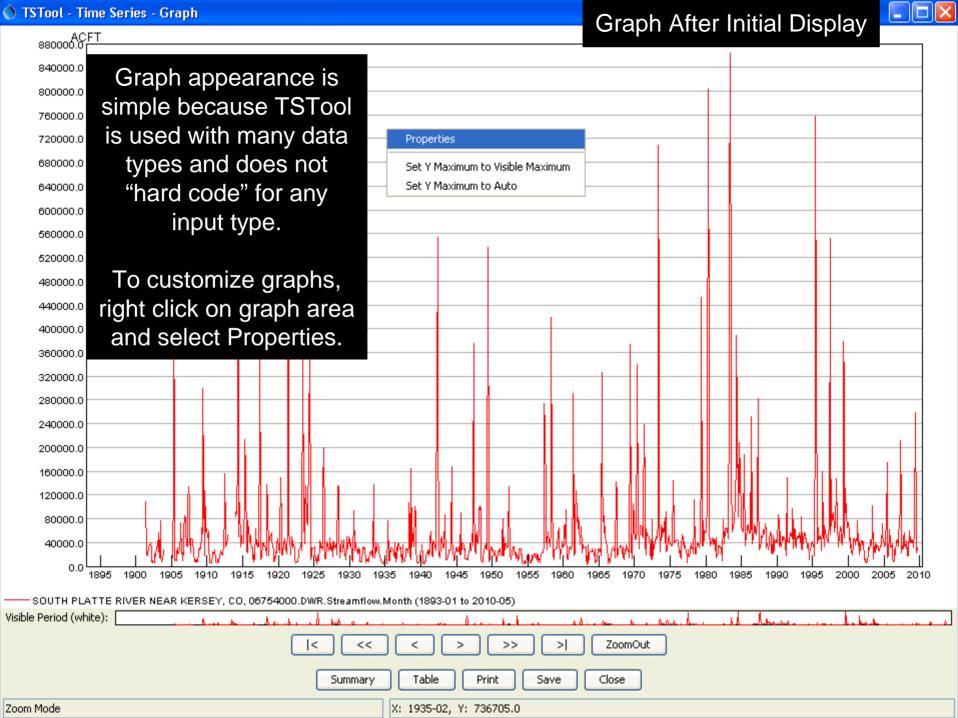
- Optimized for time series data
 - Speed
 - Handle missing data, units, etc.
 - Allow different data intervals on same plot
- Can automate graph product generation
 - Run in batch mode
 - Many properties to configure plot appearance
- Data are stored separate from plot definition, with link that uses the time series identifier

Simple Graph Example

- Consistent data types
- Simple graph properties
- One graph per page

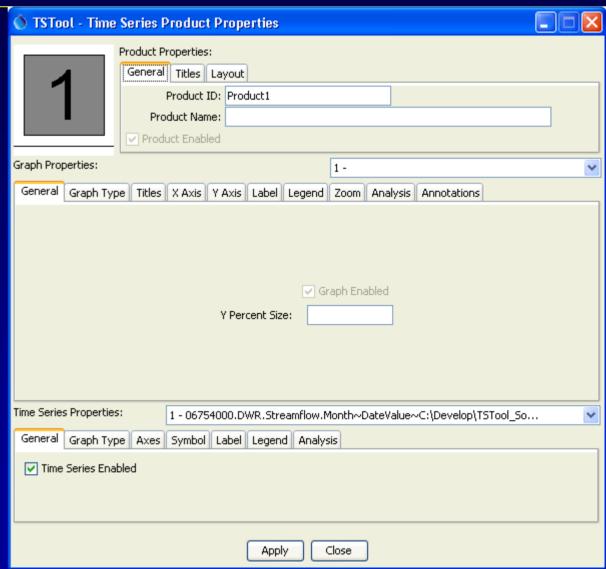
See example: example1-SimpleGraph\
Kersey-streamflow.TSTool





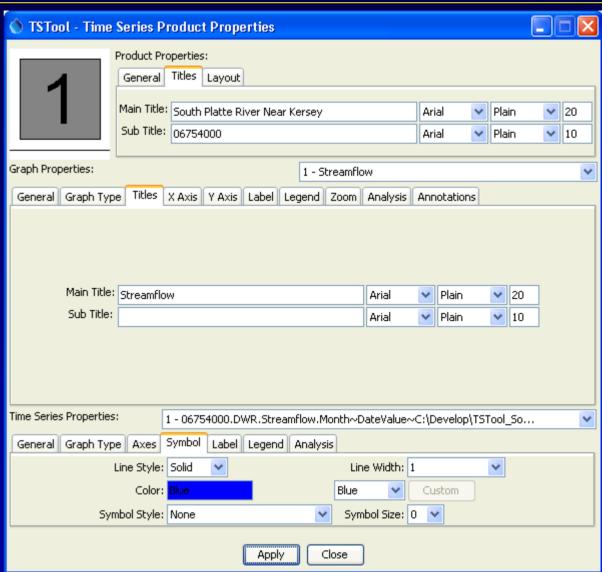
Graph Properties

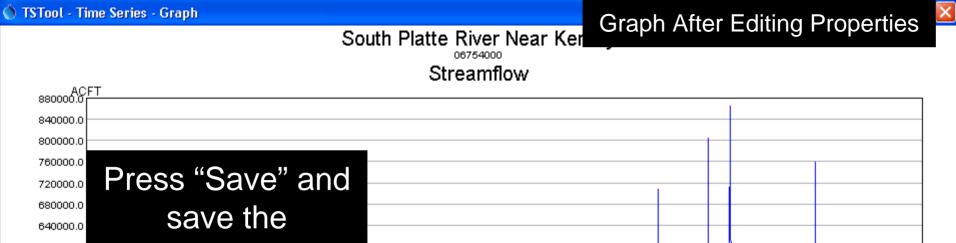
- Product (page) properties at top
- Graph properties (on page) in middle
- Time series properties (on graph) on bottom

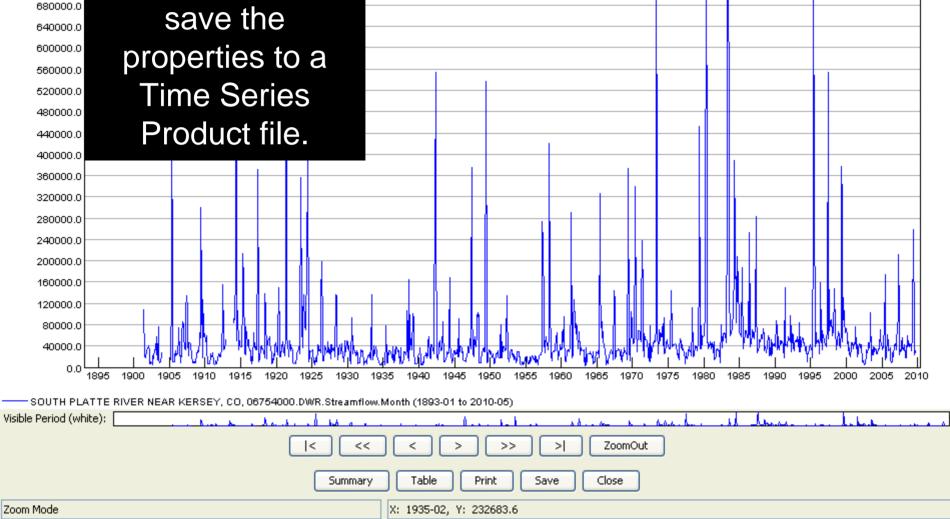


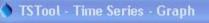
Graph Properties – Edited

- Set page title
- Set graph title
- Set time series color to blue
- Press Apply to update the graph







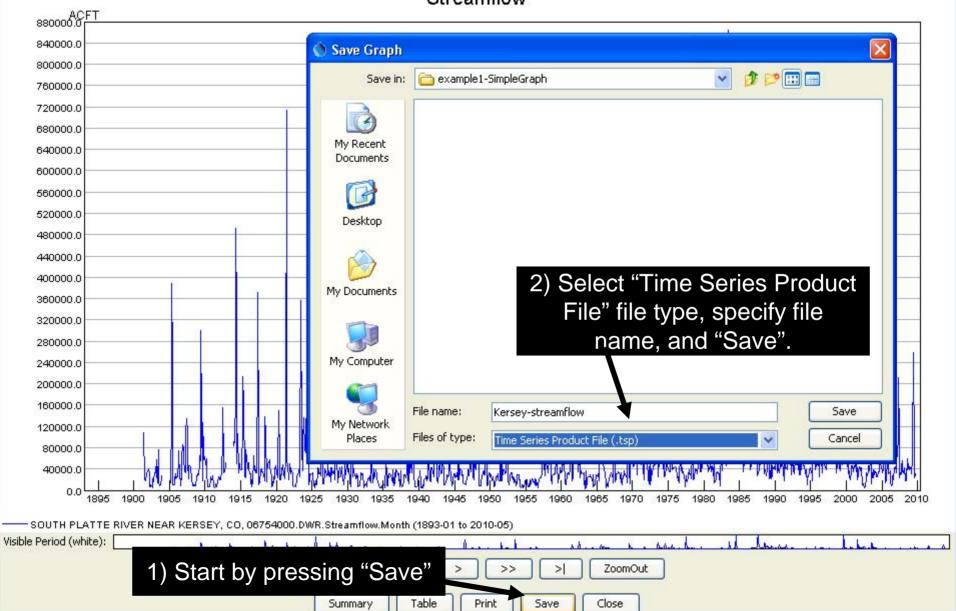


Zoom Mode

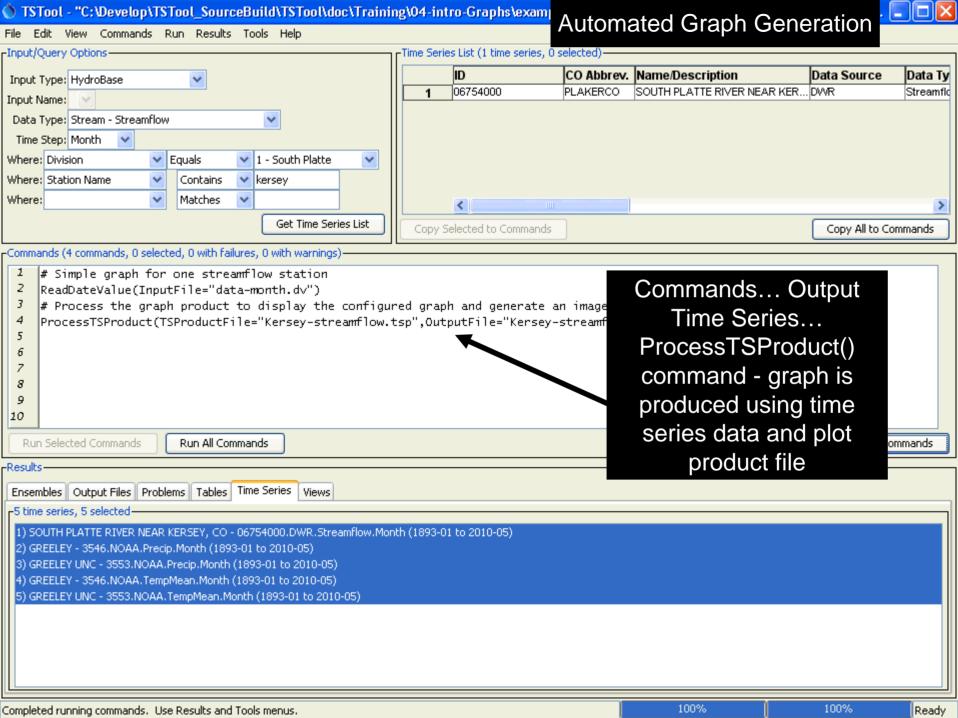
Saving Graph Properties

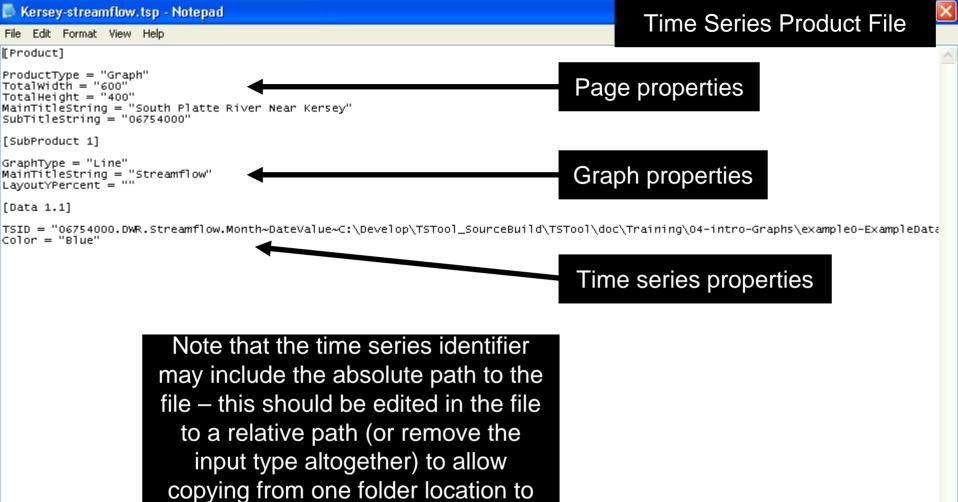
South Platte River Near Kersey

Streamflow



X: 1932-03, Y: 280170.9





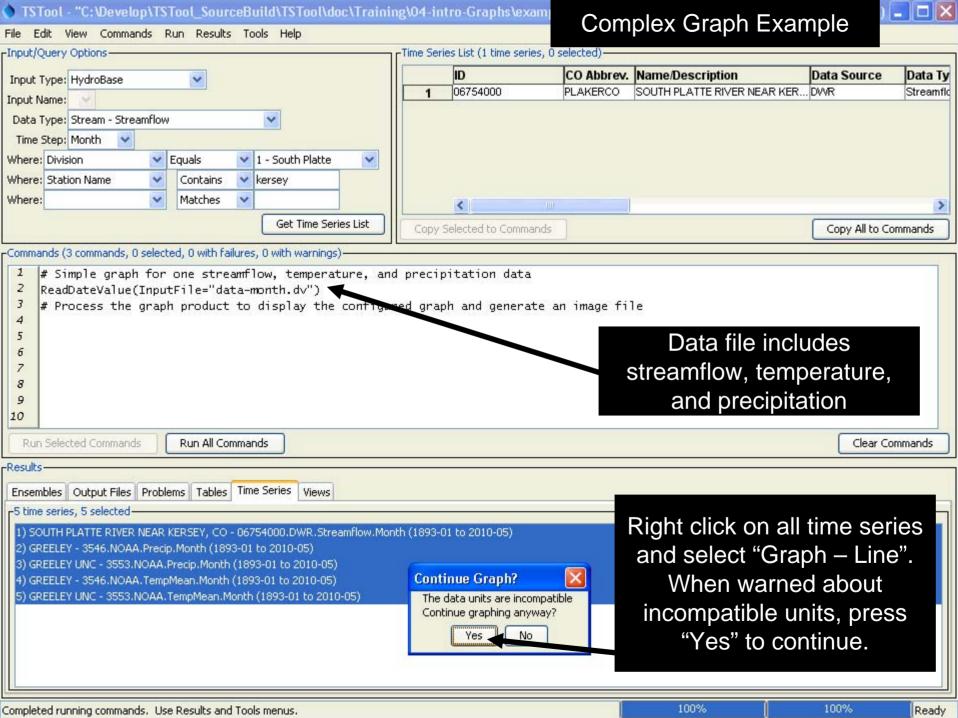
another.

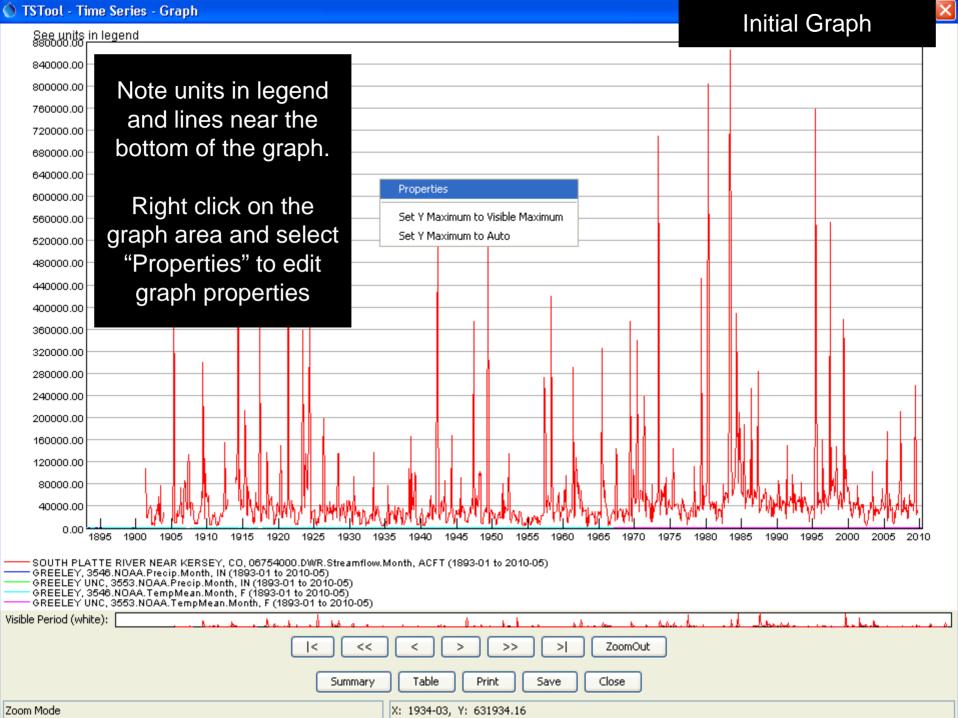
See the TSView Appendix in TSTool for a full list of properties

Complex Graph Example

- Different data types and units
- Multiple graphs on a page

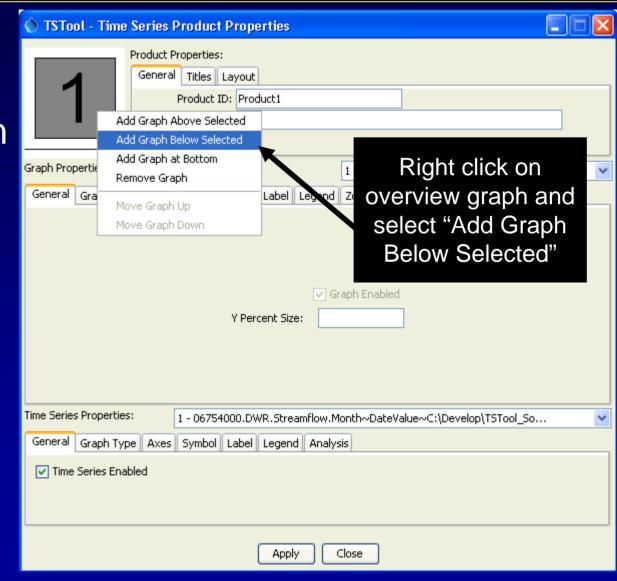
See example: example2-ComplexGraph\ ComplexGraph.TSTool

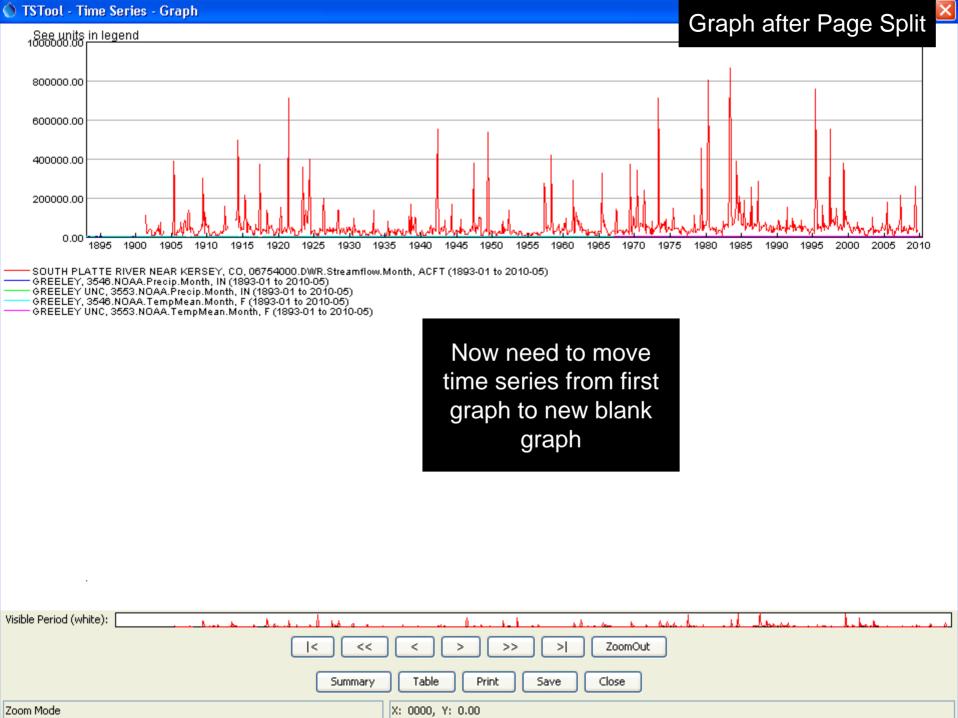




Graph Properties

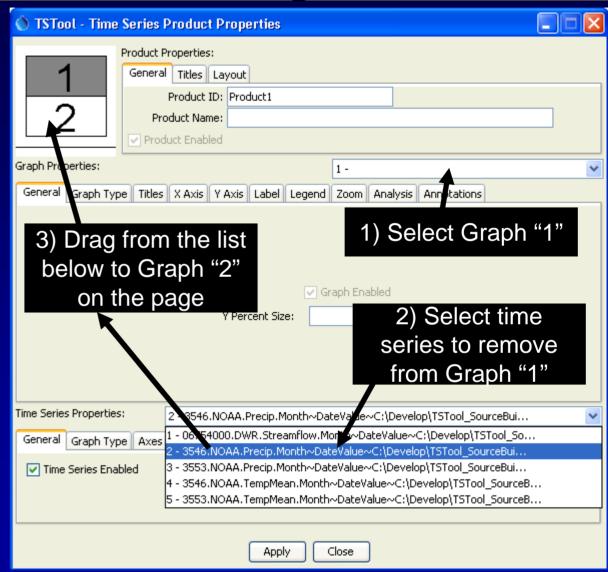
- To display more than one graph on a page, split the page
- The graph will redraw and the "Graph Properties" area will list each graph on the page

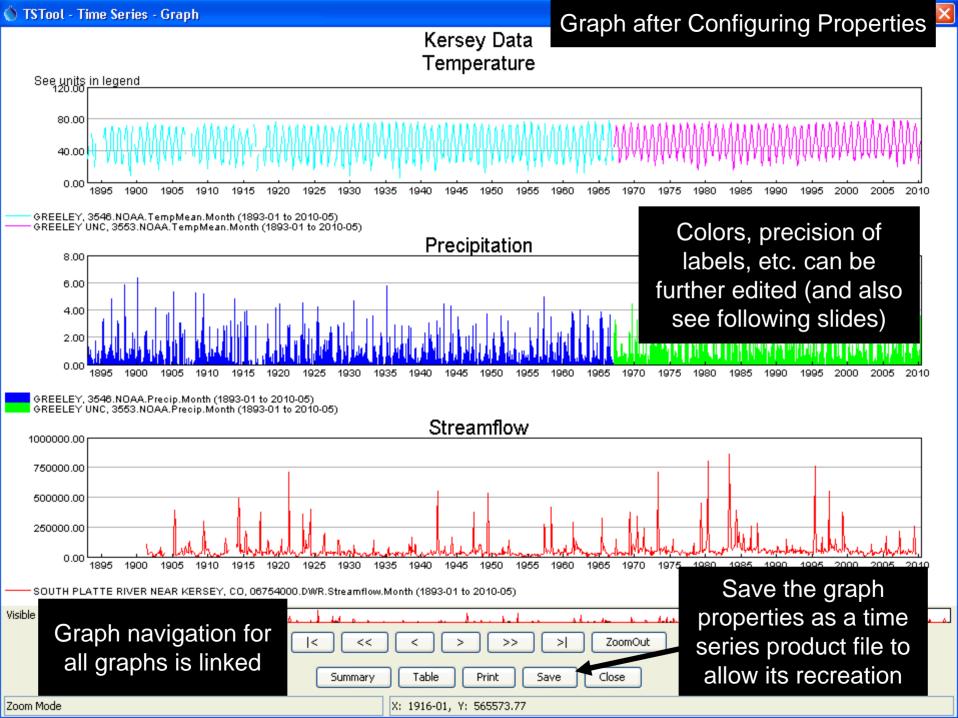


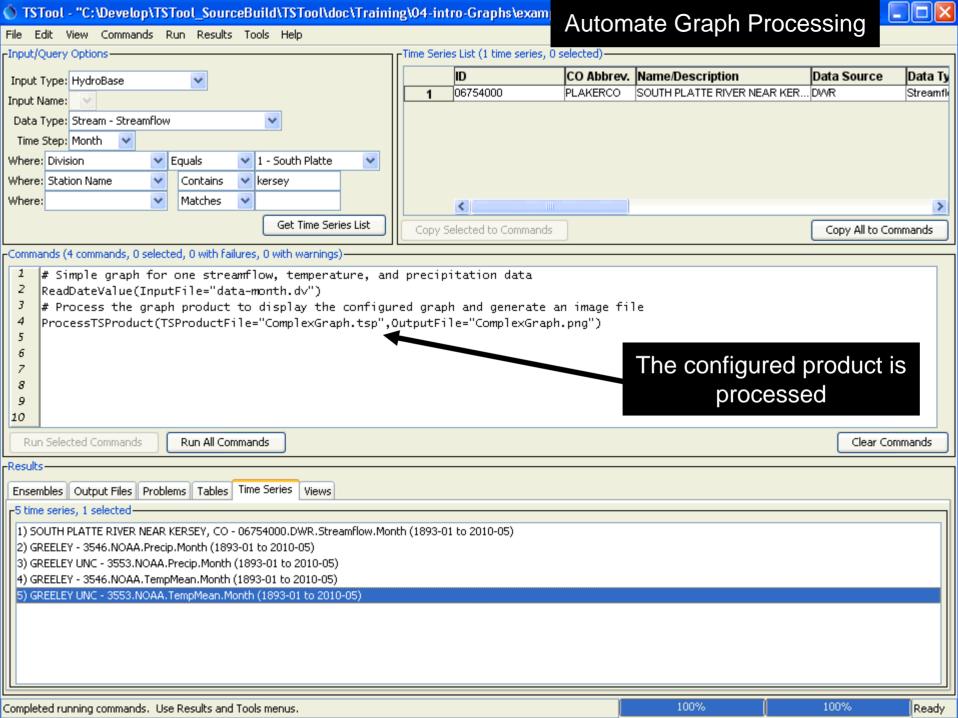


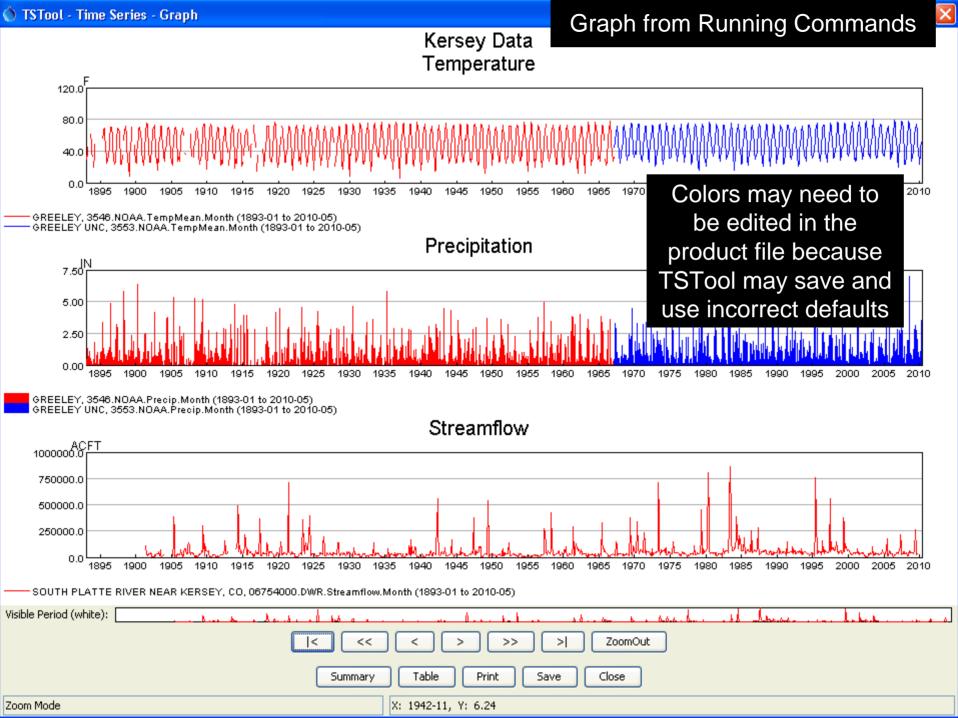
Graph Properties - Drag Time Series

- To move time series, drag from the list to the new graph area
- Repeat as necessary
- Also set other properties and press "Apply" before switching between graphs and time series
- The graph will update as time series are moved and "Apply" is pressed









More Information

Help...View Documentation to view the TSTool documentation