Ocean Data View_Instructions to generate time series plots

Import data:

The individual data files are in ODV spreadsheet format and could be imported into ODV directly: Import -> ODV Spreadsheet

OR

The result of a data query SDN delivers a number of zip files. The zip files contain a potentially large number of individual data files.

The Import -> SDN Spreadsheet option addresses these problems. All selected individual import files will be processed in one step, and separate ODV data collection will be created and filled for every data type found in the SDN import package.
Note that every time you initiate a SDN import, a sub directory will be created in the SDN parent directory, and the output from the import procedure will be written to this sub directory.

You create time evolution plots like the attached figure as follows:

1. Use "File->Recent Files" and choose the newly created collection at the top of the list.

2. Zoom into the map such that only one sampling location is included.

3. Use "View->Derived Variables" and request the "Time (station date&time)" derived variable.

4. Press F10 to obtain a window layout with two SCATTER windows. Adjust the large window to have "Time (station date&time)" on X and, for instance, OCCNXXXX on Y. Use "View->Window Layout" if you want to delete the small window and move/re-size the large one.

5. To add the line: right-clicking on the window and choosing Extras->Add Graphics Object-> Symbol Set. The Symbol Set Selection dialog appears and lets you select the subset of data points (select one or more cruises in the Cruises list, stations in the Stations list, and/or individual samples in the Samples list). Then press the << button to add the selected data points to the Selected list. Press OK once all desired points are selected. The Symbol Set Properties dialog appears, which lets you define the symbol and line characteristics.

6. Right-click on the window and choose "Save Plot As" to create an image file for this plot.

7. We suggest to produce the plots as vector files. The Encapsulated PostScript EPS format is the vector format available using ODV but a little bit difficult to manage by web browsers. For this reasons was decided to convert the EPS in SVG format using available softwares like Inkscape(Linux) or IRFAN View (Windows).