

# How to Make a Line Plot in Panoply

🕌 Panoply: Sources		
File Edit View Histor	ry Bookmarks Plot Win	dow Help
Create Plot		
Datasets Catal	- (	
Datasets Catal	Long Name	Туре
	- (	Type Local File
Name	Long Name	
Name	Long Name	Local File
Name	Long Name aquarius_aggregate sea surface salinity	Local File Geo 2D
Name aquarius_aggr I3m_data Iat	Long Name aquarius_aggregate sea surface salinity latitude	Local File Geo2D 1D

Click the data set you wish to Plot (1).

## Click Create Plot (2).

Create Plot X
More than one type of plot can be created from the variable 'I3m_data'. What type would you like to create?
$\bigcirc$ Create georeferenced Longitude-Latitude $\checkmark$ plot
$\bigcirc$ Create 2D plot using lat $\checkmark$ for X axis and lon $\checkmark$ for Y axis
Create line plot alon view axis     Ion     time     Create Cancel

Click in the radio button next to **Create line plot along ... axis**.

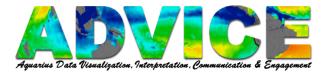
Select the axis you wish to use.

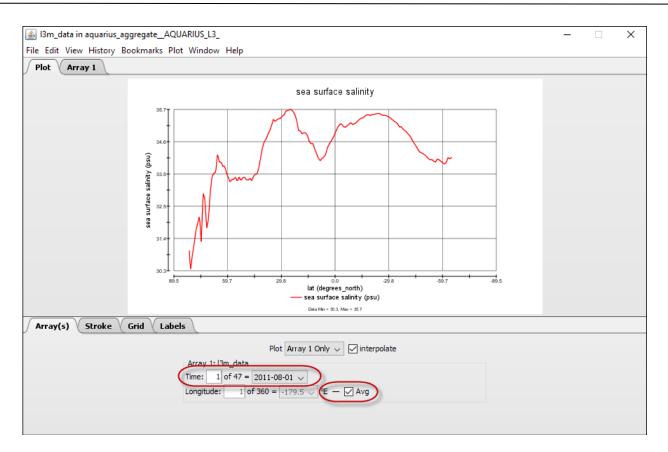
Click Create.

*Note:* You cannot combine line plots at this time.









# Array(s) Tab

Advance through **Time** steps using arrow keys or entering a number (e.g. Time step 1 of 47). The line graph will update with each step.

Or

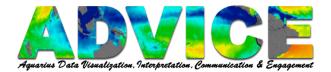
Select a specific time step from the **Time** drop-down menu.

At the Longitude variable, de-select the check-mark in the box next to **Avg** to disable the Average function. The **Avg** feature is only available with Longitude.

When **Avg** is not active, you can navigate through the Longitude steps in the same way you move through the Time steps.

**Note:** When plotting **Time** or **Longitude**, you may navigate through the **Latitude** steps in the same way you move through **Time** steps.





Array(s) Stroke Grid Labels						
Stroke 1: Style: Solid v, Color: v, Weight: 150 %						
Caption:      Default      Other: STROKE 1 CAPTION						

#### Stroke Tab

Select the Stroke **Style**, **Color** and **Weight**.

The **Caption Default** pulls the data caption from the dataset.

Click in the radio button next to **Other** to enter a different label for the line.

Grid Style: Solid v, Weight: 50 %
X Axis: Left 89.5 , Right -89.5 Swap L/R Y Axis: Bottom 30.3035 , Top 35.7118 Swap B/T
Format: %.1f v — Divisions: Major: 6, Minor: 2 Center on 0 Fit to Data
Caption:      Default Other: X AXIS CAPTION     Format: %.1f - Divisions: Major: 5, Minor: 2
Caption:  O Default  O Other:  Y AXIS CAPTION

### Grid Tab

Select the Grid Style and Weight

Enter values into the **Left**, **Right**, **Top**, and **Bottom** fields to adjust the minimum and maximum values for each Axis.

Click **Swap L/R** or **Swap B/T** to flip the Axis.

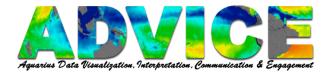
Click **Fit to Data** to automatically set the Y Axis to the dataset's max and min values.

Use **Format** to select the number of decimal places and how the values are rounded for each Axis.

Adjust the number of **Major Divisions** [tic marks] on the Axis and the number of **Minor Divisions** that subset each tic mark.

The **Caption Default** pulls the data caption from the dataset. Click in the radio button next to **Other** to enter a different Axis title.





Bm_data in aquarius_aggregate_AQUARIUS_L3_2	– 🗆 X
File Edit View History Bookmarks Plot Window Help	
Plot Array 1	
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sea surface salinity	
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Line 66	
30.3 ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	
Data Min = 35.3 Min = 35.7	
Array(s) Stroke Grid Labels	
Plot Name: I3m_data in aquarius_aggregateAQUARIUS_L3_2	
Plot Title: sea surface salinity	
Plot Subtitle:	
Labels Typeface: SansSerif 🗸	Background:
Show min-max footnote	

### Labels Tab

Use to change displayed **Plot Name** and **Plot Title**.

Click **Background** to select a dark or light background.

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74.500	73.500	72.500	71.500	70.500	69.500	68.500	67.500	66.500	65.500	64.5
31.3	32.9	32.7	31.7	32.0	32.9	33.5	33.6	33.6	34.2	
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	History Book y 1 is_aggregate/ ta, sea surface s	History Bookmarks Plot V y1 s.aggregate_AQUARIUS_L3_5 ta, sea surface salinity 74.500 73.500	y 1 s_aggregateAQUARIUS_I.3_SSS_SMI_MONT ta, sea surface salinity 74.500 73.500 72.500	History         Bookmarks         Plot         Window         Help           y1	History Bookmarks Plot Window Help y1 is aggregate_AQUARIUS_L3_SSS_SMI_MONTHLY_V4.nc Slice ta, sea surface salinity Slice X-Axis: latitude (degr 74.500 73.500 72.500 71.500 70.500	History Bookmarks Plot Window Help           y1	History Bookmarks Plot Window Help y1 s aggregate_AQUARIUS_13_SSS_SMI_MONTHLY_V4.nc Slice: Time [1 of 47] = 2011-08-01 slice: Longitude , Average over 360 X-Axis: latitude (degrees_north) 74.500 73.500 72.500 71.500 70.500 68.500 68.500	Bookmarks Plot Window Help           y1         Silce: Time [1 of 47] = 2011-08-01           is aggregate_AQUARIUS_L3_SSS_SMI_MONTHLY_V4.nc         Silce: Time [1 of 47] = 2011-08-01           ta, sea surface salinity         Silce: Longitude , Average over 360 indices in dimer           X-Axis: latitude (degrees_north)         X-Axis: latitude (degrees_north)	History Bookmarks Plot Window Help           y1         Sice: Time [1 of 47] = 2011-08-01           is aggregate_AQUARIUS_L3_SSS_SMI_MONTHLY_V4.nc         Slice: Time [1 of 47] = 2011-08-01           is, sea surface salinity         Slice: Longitude , Average over 360 indices in dimension           X-Axis: latitude (degrees_north)         X-Axis: latitude (degrees_north)	History Bookmarks Plot Window Help           y1

## Array 1 Tab

Use to view the actual values of the dataset variables.

Use **Format** to select the number of decimal places and how the values are rounded.

