

Snapshots of Stacked Mean Program (Interval based amplitude average profiling)

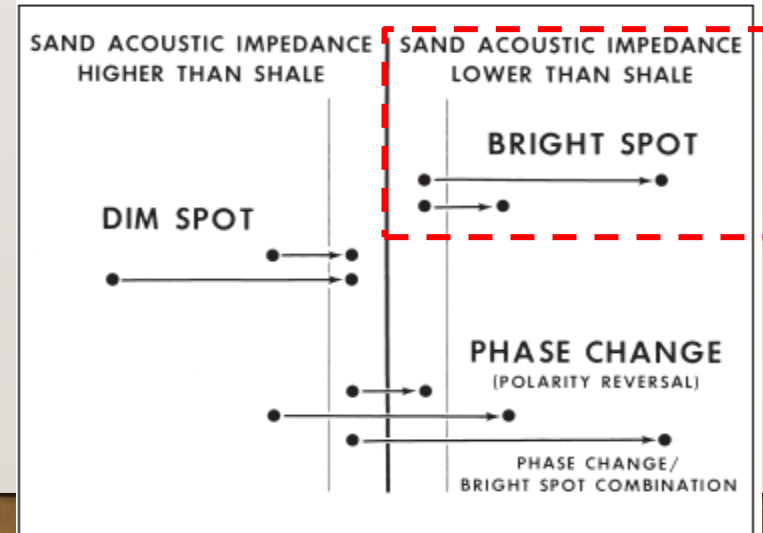
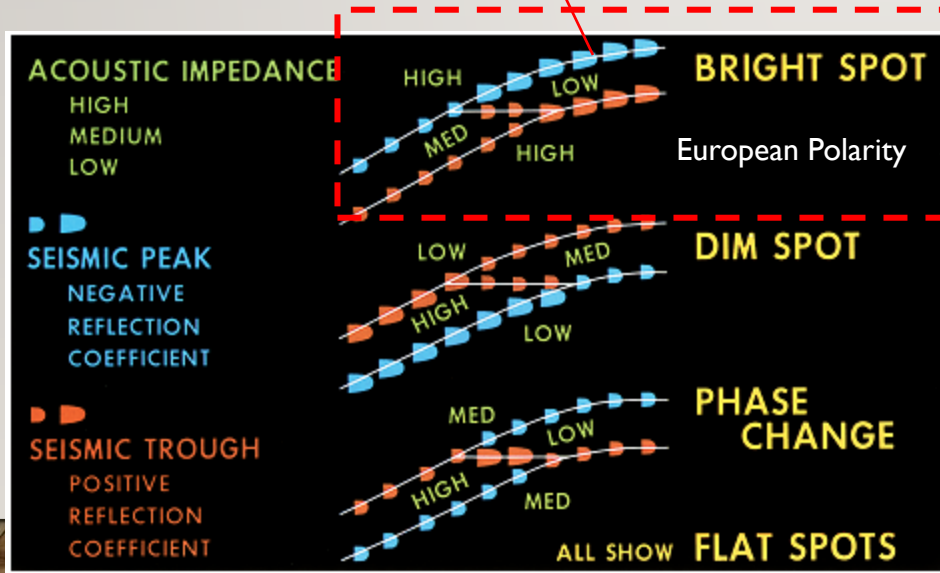
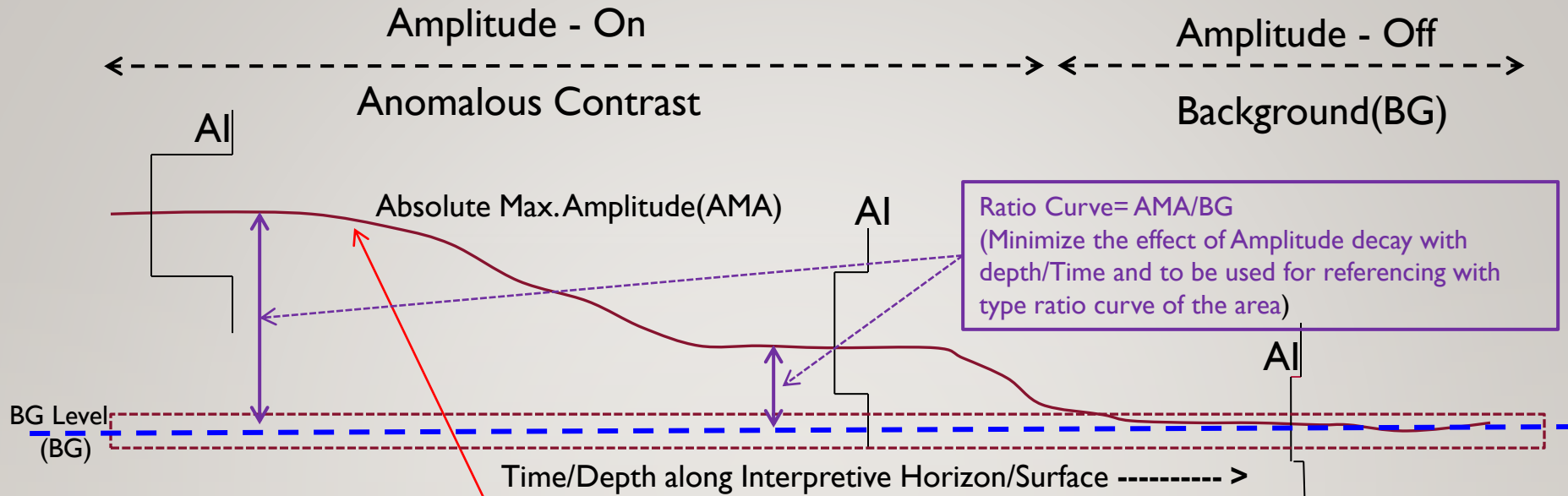


Requisite

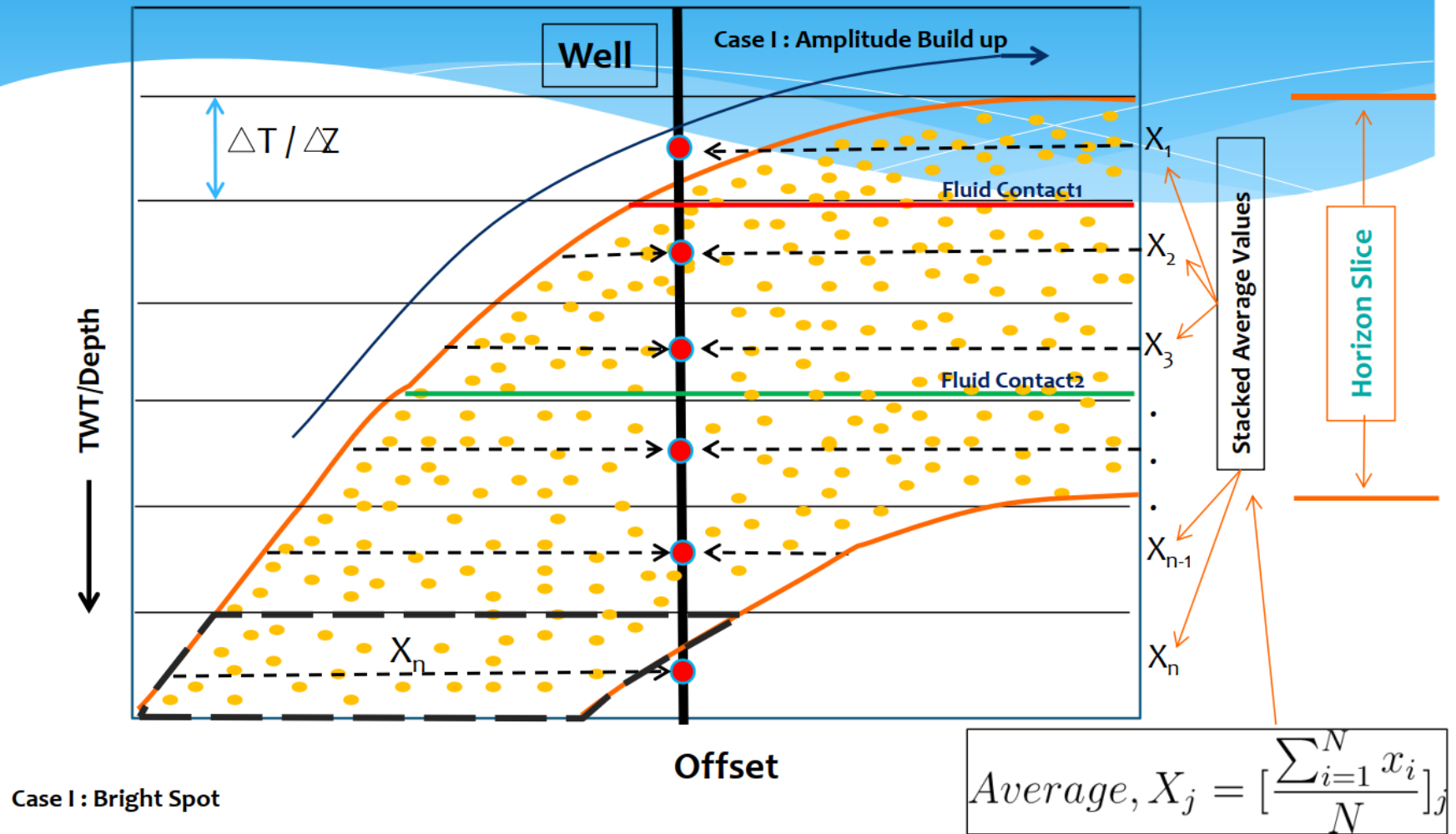
- ❖ The program require .NET Framework 4.8 to run.

Illustration: Case I

On-Off Amplitude Profiling

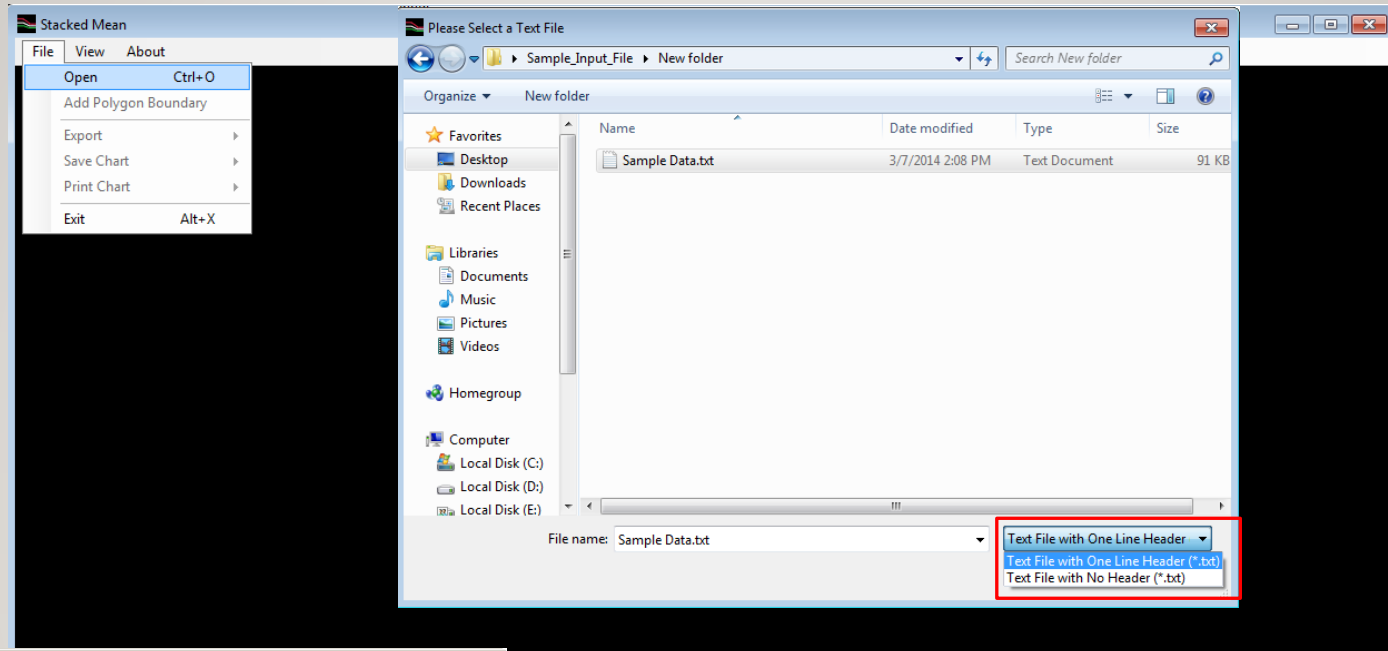


Stacked Mean Average Schematic



Data Loading

Note: Fictitious data has been used for the display



testInput - Notepad

Z	Attribute1	Attribute2	Attribute3
1805.61	294463.34	151406.16	1.94
1807.03	260327.17	158669.73	1.64
1803.89	277822.28	137140.14	2.03
1808.6	247409.94	140861.176	1.67
1809.03	256199.44	153398.47	1.38
1784.76	300729.31	217392.64	1.79
1800.17	325420.09	182236.88	1.49
1809.19	238484.88	160018.42	2.17
1812.38	265612.91	122497.01	1.6
1811.7	220655.81	91839.92.4	1.96
1749.13	293620.41	183291.61	1.09
1772.09	250774.39	156899.88	1.31
1792.49	230829.61	117703.17	1.89
1806.98	176890.53	163017.28	1.77
1814.64	194600.88	148223.08	1.51
1816.52	218671.95	144740.44	1.89
1814.85	244621.02	129661.1	0.77
1710.74	132033.67	170490.45	1.97
1730.19	348710.75	177255.27	1.23
1753.82	278858.72	227103.94	0.92
1777.93	149894.63	163559.97	0.81
1798.48	81962.36	101511.17	1.69
1812.38	232940.69	138178.81	1.59
1819.23	195229.52	122871.55	1.59
1820.39	203745.17	128095.13	1.85
1818.18	264347.38	142983.5	2.31
1688.25	267277.63	115884.93	2.5
1695.73	294734.22	117803.57	1.31
1710.64	171449.09	131326.48	1.01
1732.01	164430.17	162857.25	1.95
1757.08	387874.59	199139.31	1.88
1781.73	301142.06	160551.17	1.16
1802.12	150035.55	129102.19	1.91
1815.68	334782.84	175463.8	2.56
1822.35	328228.75	128433.34	1.11
1823.58	159237.31	143023.42	1.46

e.g. Text file with one line header

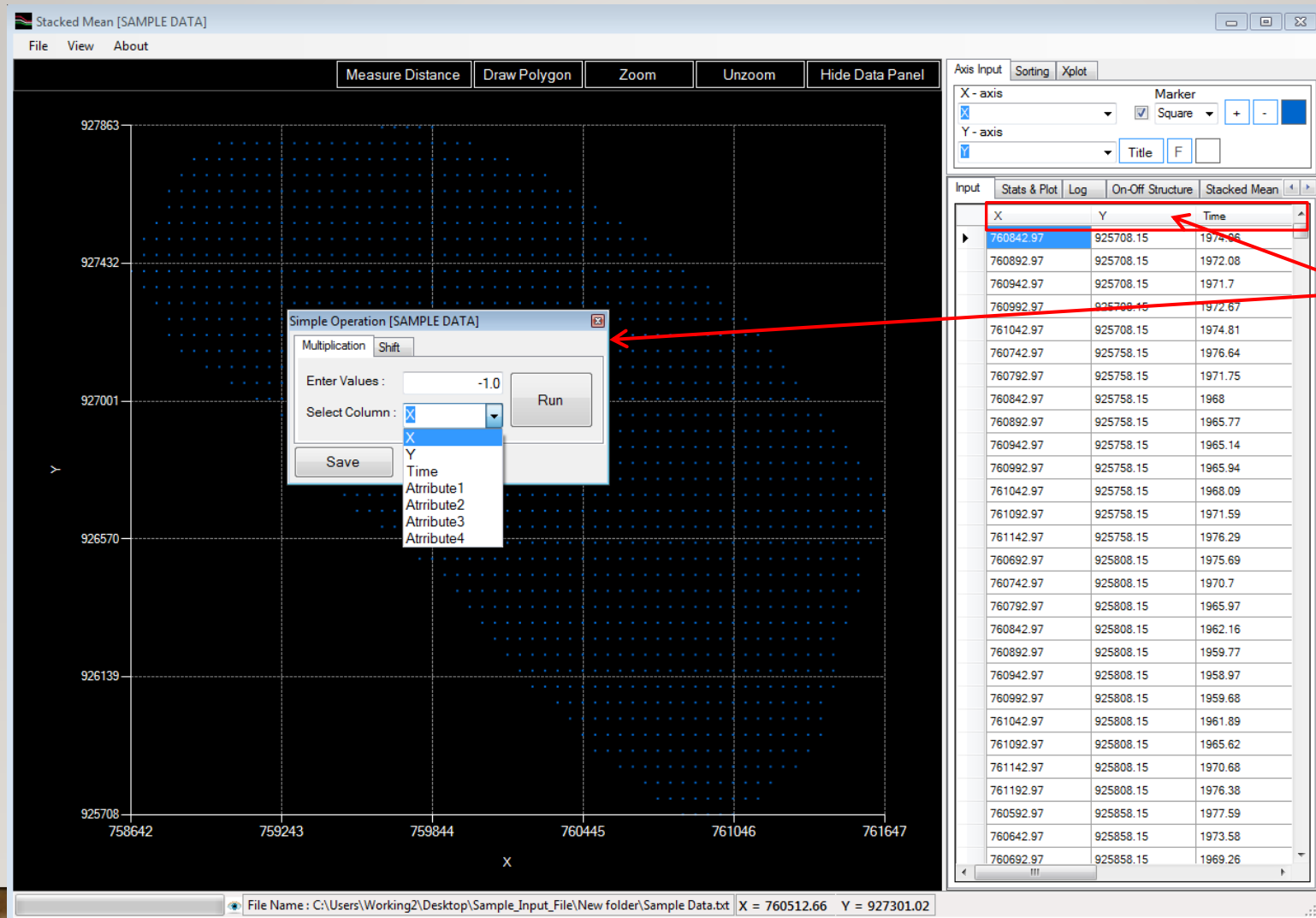
Delimiter: Tab, Space & comma

testInput - Notepad

1805.61	294463.34	151406.16	1.94
1807.03	260327.17	158669.73	1.64
1803.89	277822.28	137140.14	2.03
1808.6	247409.94	140861.176	1.67
1809.03	256199.44	153398.47	1.38
1784.76	300729.31	217392.64	1.79
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1822.35	328228.75	128433.34	1.11
1823.58	159237.31	143023.42	1.46
1821.48	259033.61	176862.28	

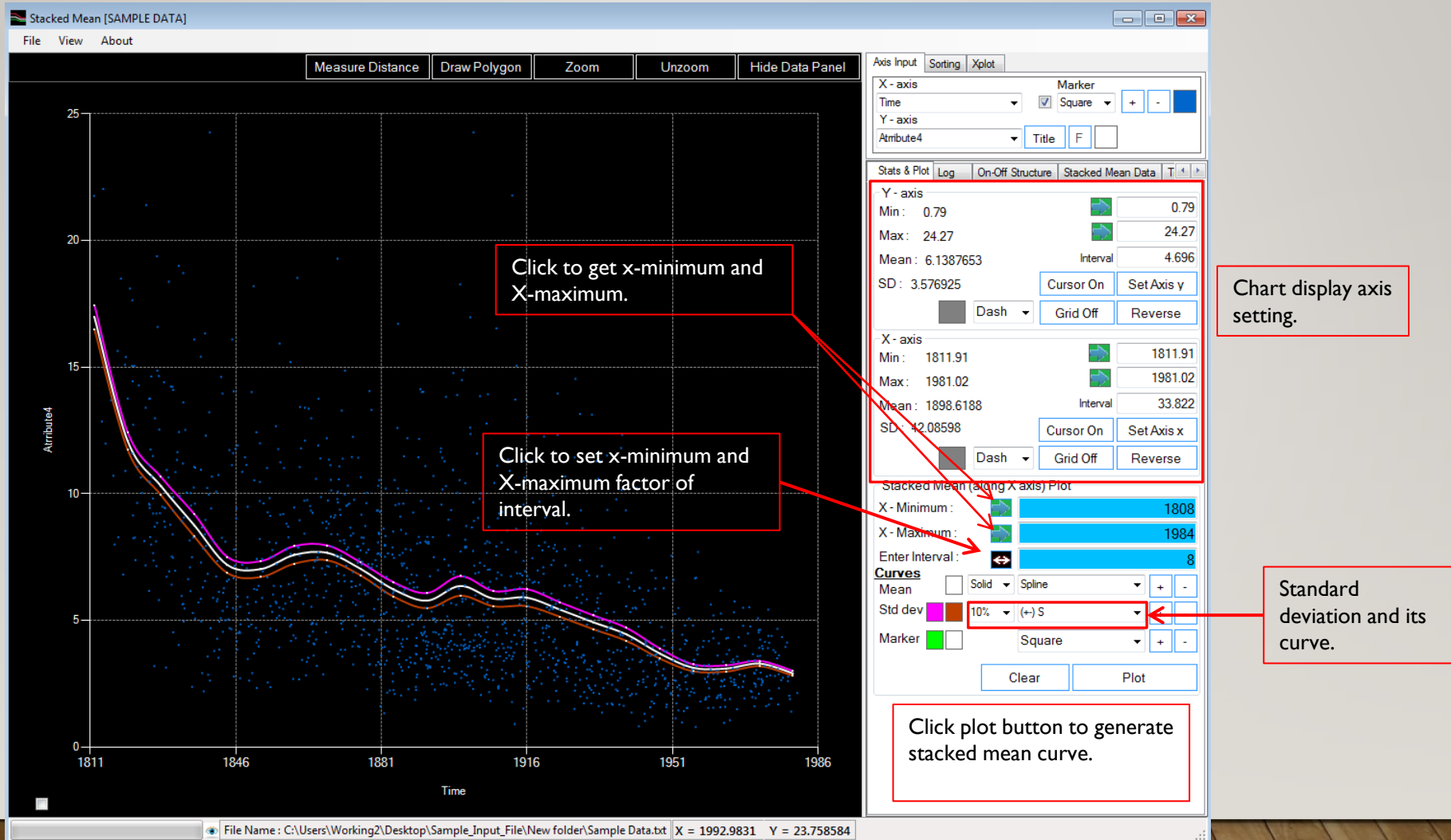
e.g. Text file with no header

Simple Operation : Multiplication and shifting



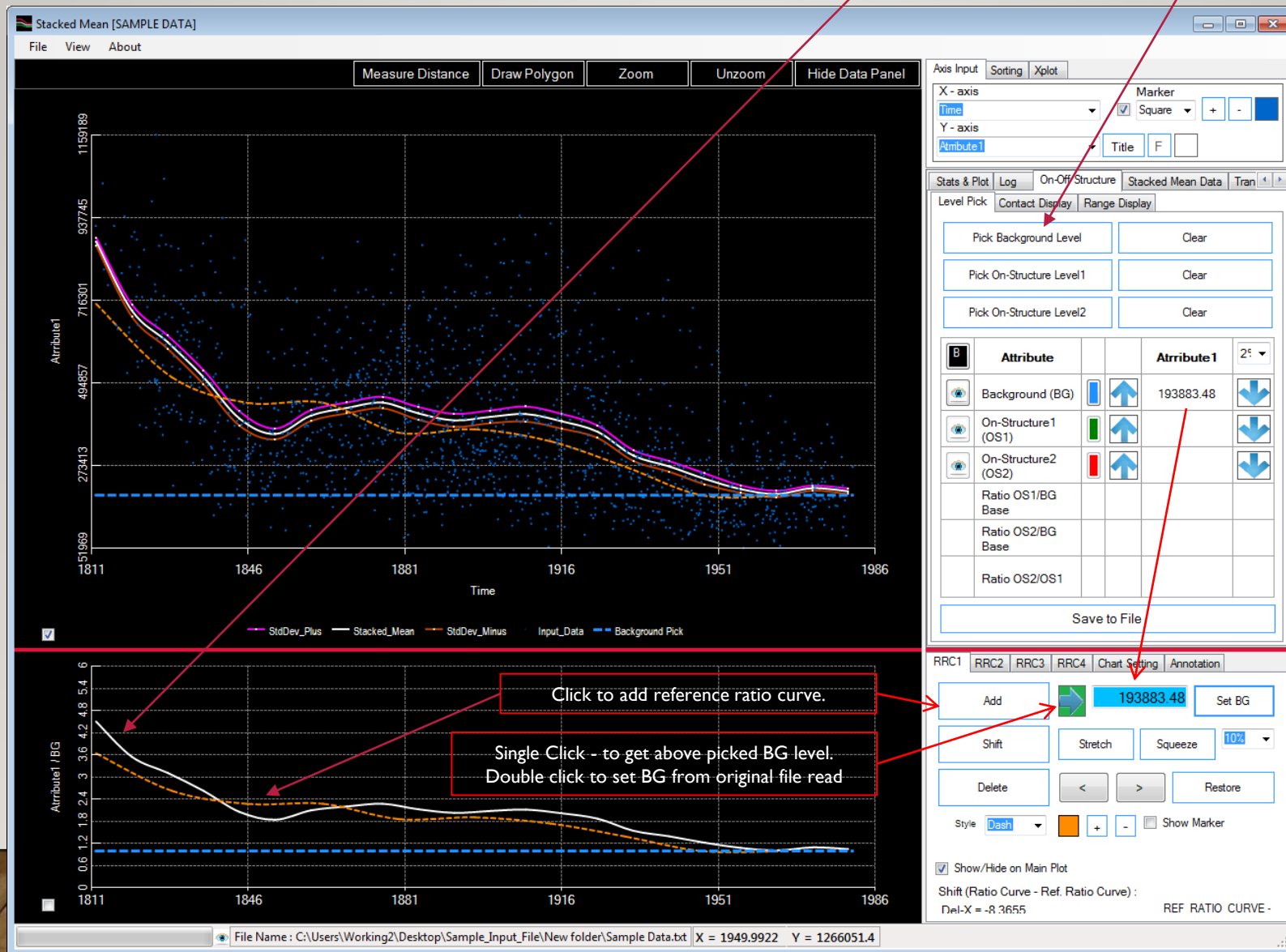
Double click grid header to open simple operation form.

Stacked Mean Curve Plotting



Plot Ratio & Add Ratio Reference curve

Click to pick Background Level to plot Ratio Curve



Click to add reference ratio curve.

Single Click - to get above picked BG level.
Double click to set BG from original file read

Click set BG to plot ref. curve on main chart.

Shift, Stretch & Squeeze only in X direction.

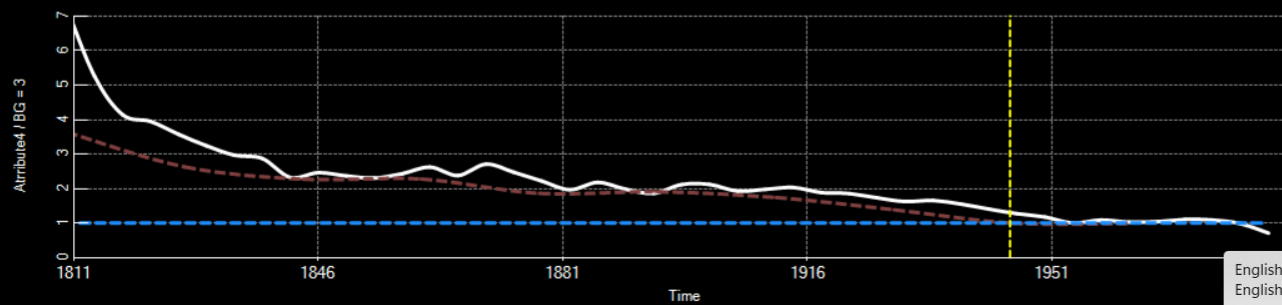
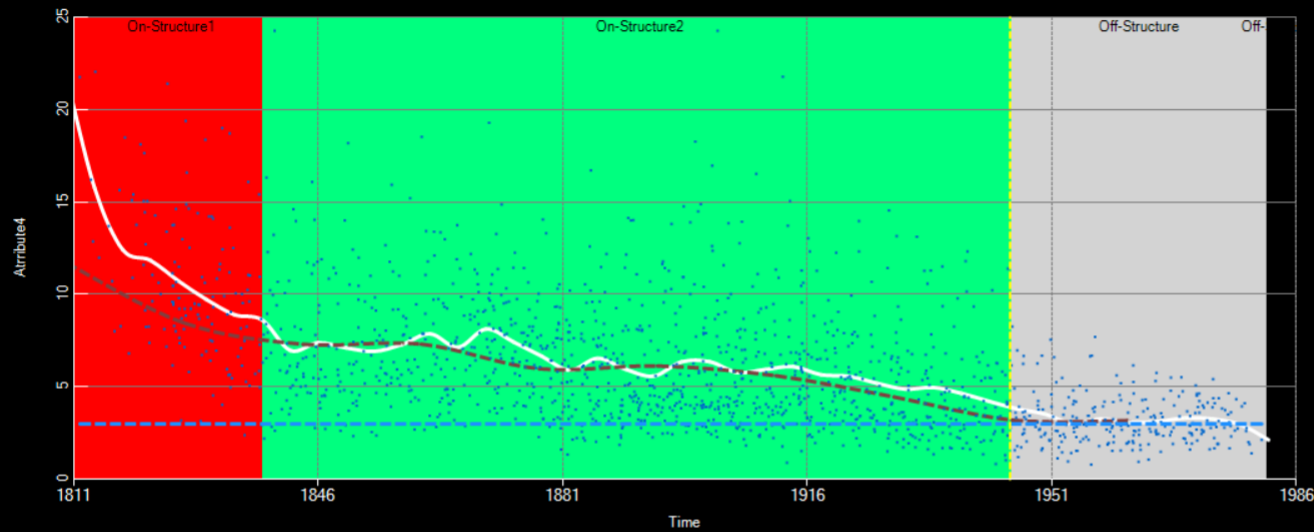
Max 5 Ref Ratio curve can be added.

Colour Fill up

Stacked Mean [SAMPLE DATA]

File View About

Measure Distance Draw Polygon Zoom Unzoom Hide Data Panel



Axis Input Sorting Xplot

X - axis Time
Y - axis Attribute4
Marker ☒ Square + -

Input Stats & Plot On-Off Pick Log Stacked Mean Data Transfo

Level Pick Contact Display Range Display

On-Structure1 ☒ Font Clear
On-Structure2 ☒
Off-Structure ☐

RRC1 RRC2 RRC3 RRC4 RRC5 Chart Setting Annotation

Add ☒ 3.21197513004! Set BG
Shift Stretch Squeeze 10%
Delete < > Restore

Style Dash ☒ Hide Marker

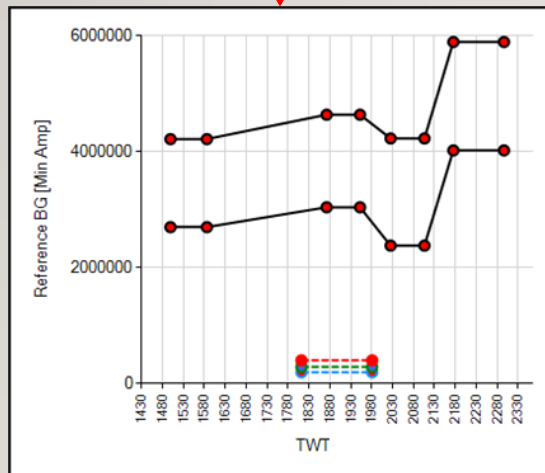
Show/Hide on Main Plot

English (United Kingdom)
English (India)

ive):
REF RATIO CURVE - COPY

Background Pick Tab

Click to open embedded BG reference plot (BG min max plot as derived from earlier plotting work).



Stats & Plot | Log | On-Off Structure | Stacked Mean Data | T

Level Pick | Contact Display | Range Display

Pick Background Level | Clear

Pick On-Structure Level1 | Clear

Pick On-Structure Level2 | Clear

B	Attribute		Attribute1	1
	Background (BG)		193883.48	
	On-Structure1 (OS1)		282657.55	
	On-Structure2 (OS2)		398063.83	
	Ratio OS1/BG Base		1.4578733	
	Ratio OS2/BG Base		2.0531085	
	Ratio OS2/OS1		1.4082901	

Save to File

Edit BG [SAMPLE DATA]

193883.48

O.K. Cancel

Edit OS1 [SAMPLE DATA]

282657.55

O.K. Cancel

Edit OS2 [SAMPLE DATA]

398063.83

O.K. Cancel

Double click text to open background edit form.

Stacked Mean Data Tab

Stats & Plot	Log	On-Off Structure	Stacked Mean Data	Tran
	Mid_X	Collected Points	Stacked Mean	
▶	1812	5	872774.664	
	1820	28	687954.0521428	
	1828	63	603529.2693650	
	1836	58	509605.8993103	
	1844	59	399235.7801694	
	1852	61	357813.9609836	
	1860	62	407183.1717741	
	1868	81	427467.6122222	
	1876	85	441724.3217647	
	1884	101	412865.3829702	
	1892	94	394122.4477659	
	1900	108	403560.9111111	
	1908	98	411050.1257142	
	1916	87	391752.6673563	
	1924	75	363819.2462666	
	1932	82	300066.5774390	
	1940	64	271036.72	

Save (All Data)

Save (Ratio Curve Data)

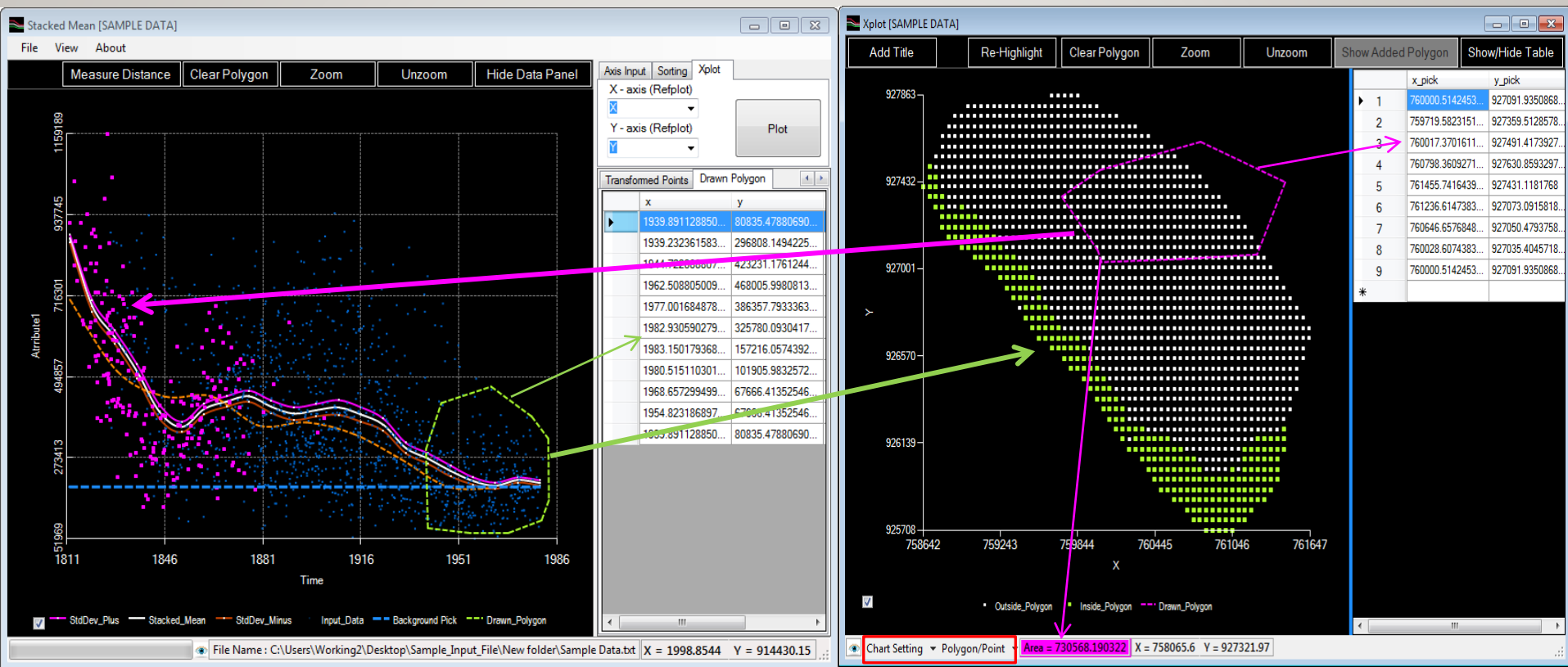
Stats & Plot	Log	On-Off Structure	Stacked Mean Data	Tran
	Std Deviation	BG_Level	Stacked_mean/BG_	
▶	06362.8537284...	193883.48331541	4.501542107019...	
	62541.4072887...	193883.48331541	3.548286013737...	
	76320.5981092...	193883.48331541	3.112845194674...	
	88728.3480528...	193883.48331541	2.628413161328...	
	91134.8493102...	193883.48331541	2.059153123012...	
	44107.1985609...	193883.48331541	1.845510276919...	
	45422.3575684...	193883.48331541	2.100143678106...	
	45032.9990664...	193883.48331541	2.204765485499...	
	52652.0036960...	193883.48331541	2.278297842658...	
	70762.5042657...	193883.48331541	2.129451028578...	
	74370.6147050...	193883.48331541	2.032779899692...	
	69335.4252369...	193883.48331541	2.081461010552...	
	101245.0965631...	193883.48331541	2.120088409210...	
	97256.7911848...	193883.48331541	2.020557195782...	
	66845.31682383	193883.48331541	1.876483958537...	
	43516.8160021...	193883.48331541	1.547664464800...	
	43207.8979209...	193883.48331541	1.397936097316...	

Save (All Data)

Save (Ratio Curve Data)

Click to save ratio curve into file.

Xplot



Display setting.

Log Curve Plotting (Essentially it serves no means, just for the sake of plot only)

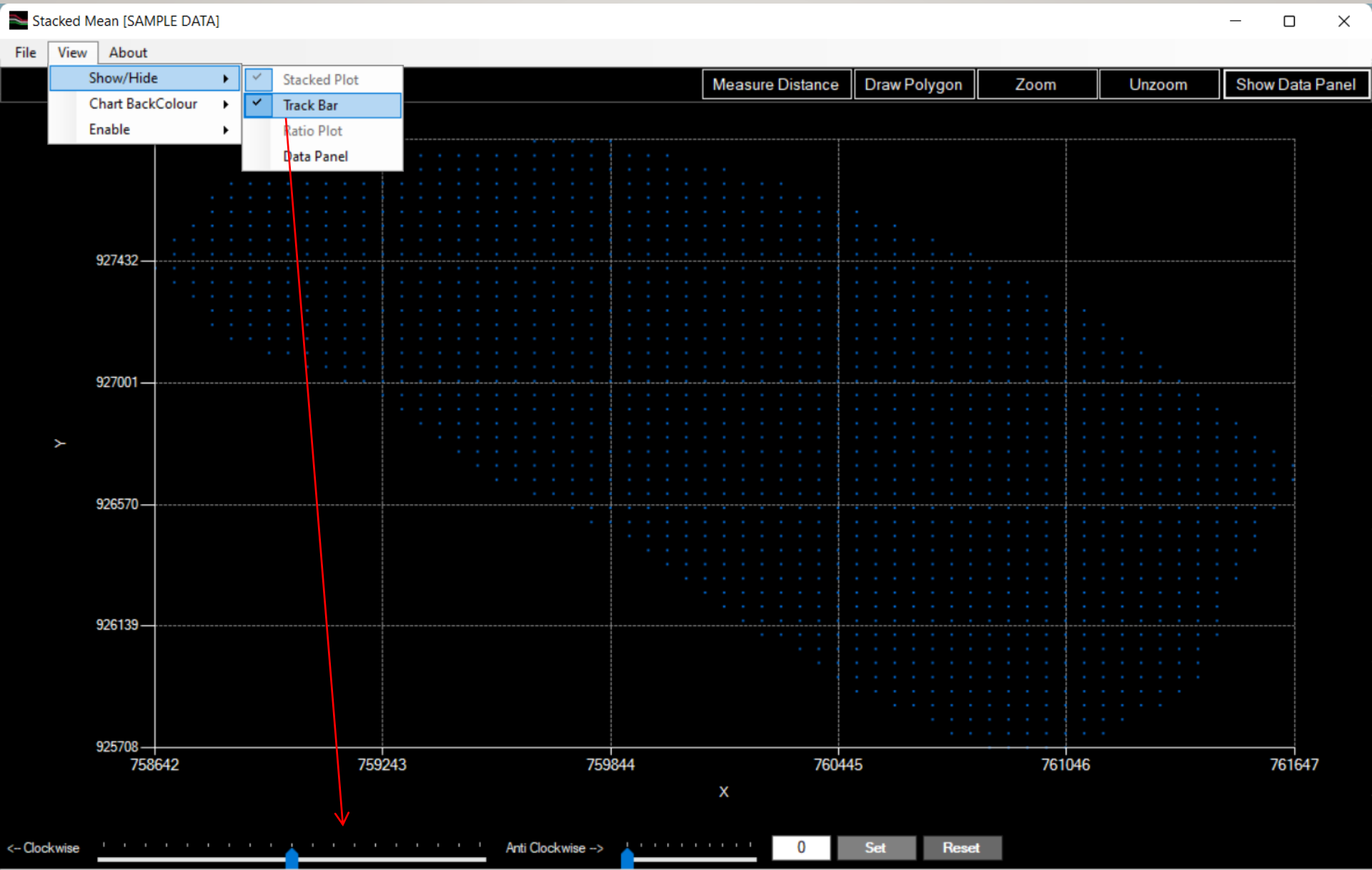
The screenshot shows a software window with four tabs: "Stats & Plot", "Log", "On-Off Structure", and "Stacked Mean Data". The "Log" tab is active. It contains the following elements:

- Buttons:** "Add Data", "Delete", "Plot", "Clear", "Grid On", and "Set".
- Y2 axis section:** Includes "Min", "Max", "Interval", and "Type" input fields, a color selection box (currently orange), and a checked checkbox.
- X2 - axis section:** Includes "Min", "Max", "Interval", and "Type" input fields, a color selection box (currently orange), a blue arrow button, and a checked checkbox.

Three callout boxes with arrows point to specific features:

- Top-left box:** "Click to add log ascii file." with an arrow pointing to the "Add Data" button.
- Bottom-left box:** "Click arrow button and then set button to align secondary x-axis with primary x-axis. Make sure checked box should be checked before x-axis alignment." with an arrow pointing to the blue arrow button in the X2 - axis section.
- Right box:** "Click plot button display one log at a time for display on secondary axis. Resistivity data first has to converted into log normal before importing it. Log plot can not be done on chart plot, it is always normal scale plot." with an arrow pointing to the "Plot" button.

Axis Rotation – Track Bar



Form Colour

