

ADDENDUM

CONEPLOT Users Guide for Batch Processing

(Version 3.0.0 and up)

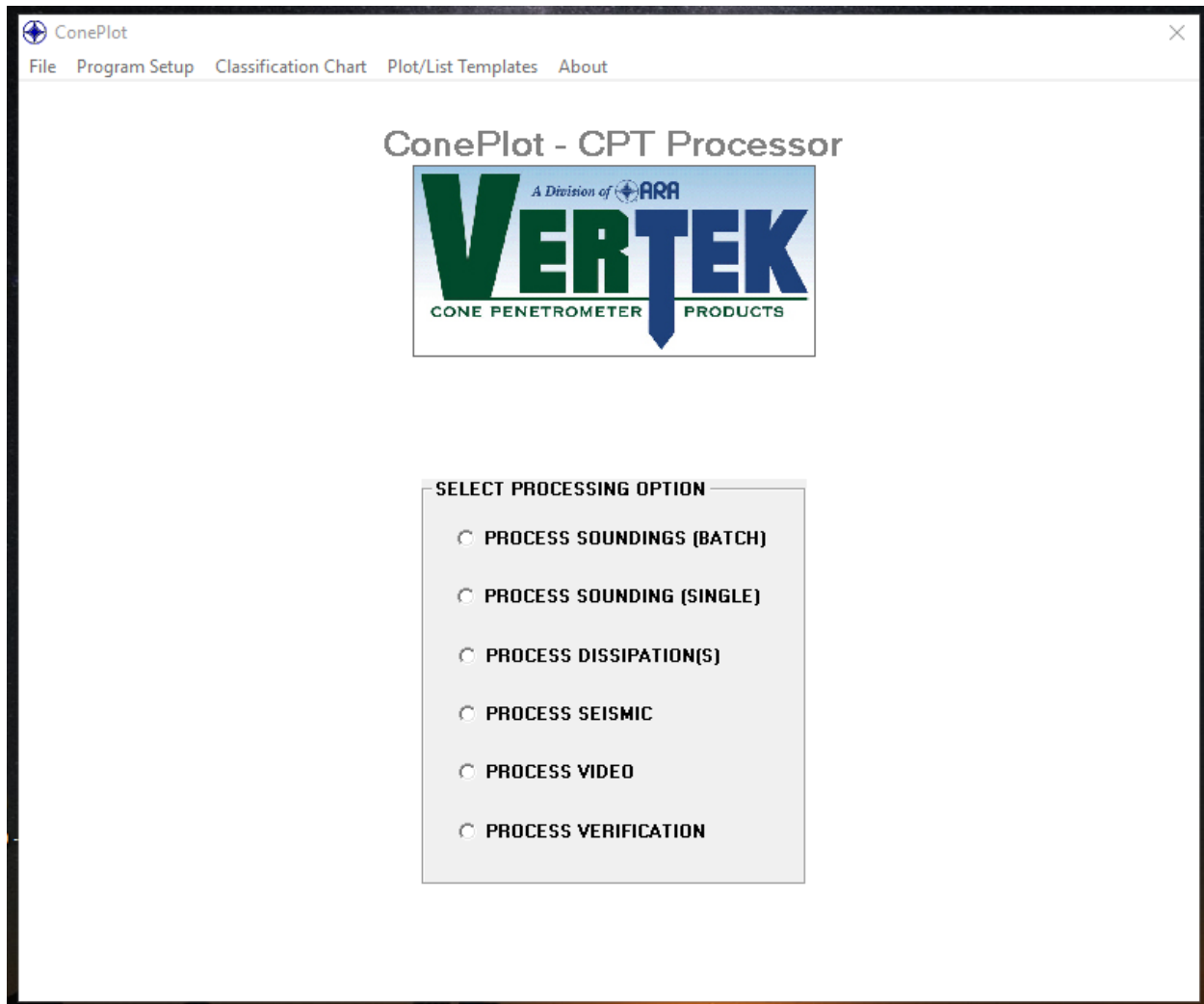


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Selecting Batch Processing

Simply click on PROCESS SOUNDING (BATCH) shown in Figure 1

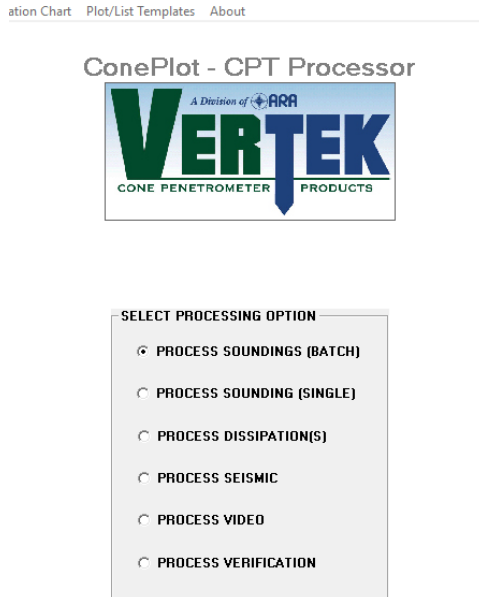


Figure 1 Selecting Batch Processing

This will bring up the screen in Figure 2

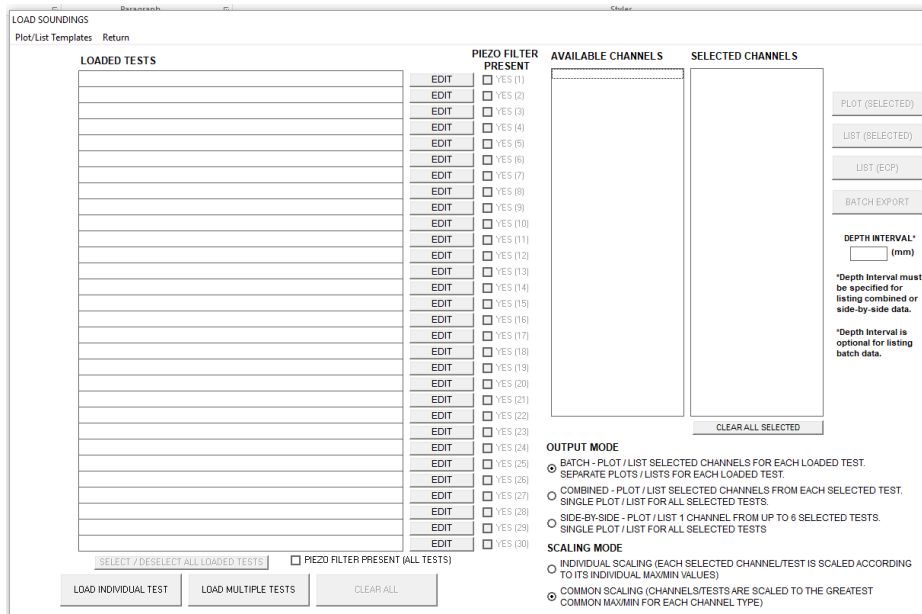


Figure 2 Batch Configuration Screen

Batch Processing Screen Setup

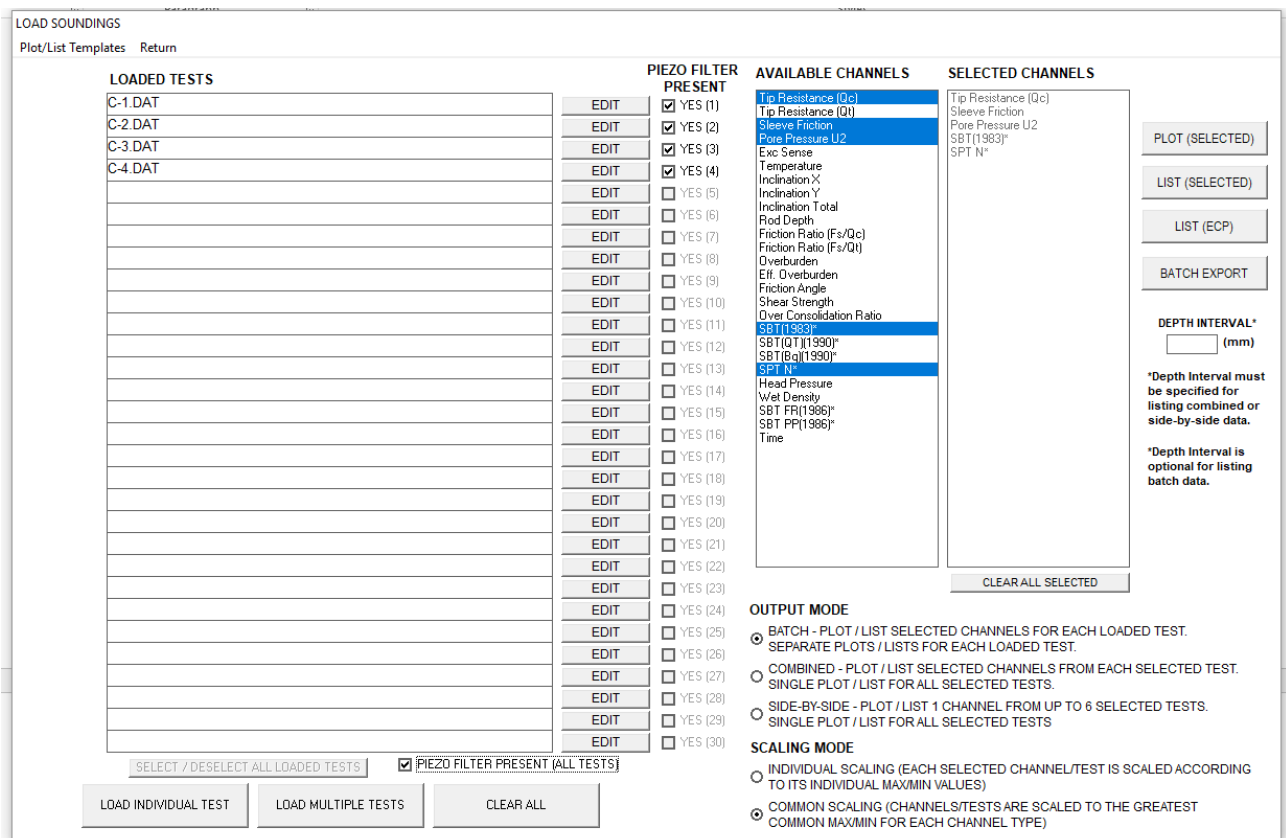


Figure 3 Batch PLOT Configuration Screen

1. Top LEFT
 - a. Plot/List Templates - works the same as in single file processing
 - b. Return – returns to previous screen
2. Bottom Left
 - a. Clicking on LOAD MULTIPLE TESTS allows for file selection (**note: batch processing requires all selected files be selected from the same file location**)
 - b. Clicking on LOAD INDIVIDUAL TEST will provide the same operation as clicking on PROCESS SOUNDING (single) on the previous page
3. On the RH side of the page:
 - a. PLOT SELECTED will generate a plot for each file selected and the user can tab through them using the PREVIOUS TEST / NEXT TEST buttons at the bottom of the plots (see Figure 4 for sample in BATCH OUTPUT MODE)
 - b. LIST SELECTED will generate a list for each file selected and the user can tab through them using the PREVIOUS TEST / NEXT TEST buttons at the bottom of the plots (see Figure 5)

- c. LIST ECP works as above.
 - d. BATCH EXPORT See next Section
 - e. DEPTH INTERVAL allows the list files to be shorter by selecting intervals for lines of data at greater increments than the data files
4. Bottom Right
- a. OUTPUT MODE
 - i. BATCH – See Figure 4
 - ii. COMBINED – See Figure 9
 - iii. SIDE BY SIDE – See Figure 11
 - b. SCALING MODE – for plotting
 - i. INDIVIDUAL SCALING – Each test is scaled according to its individual results (same as normal processing in single mode)
 - ii. COMMON SCALING – All selected tests are plotted using the same scales (determined by the greatest values in the group of files selected. (Common scaling is very useful for visual comparisons))

Batch Plots

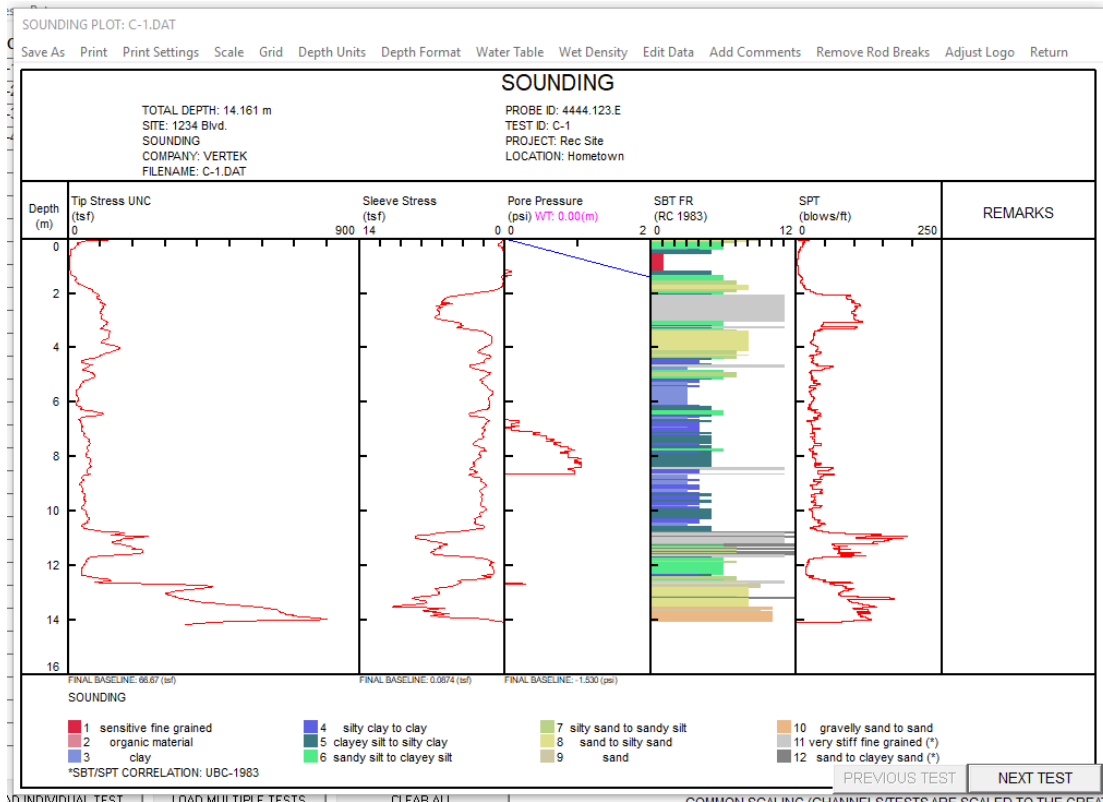


Figure 4 Batch Plots


Batch Lists

SOUNDING DATA: C-1-DAT

File Print Settings Edit Data Depth Units Depth Format Depth Interval Water Table Wet Density Remove Rod Breaks Column Width(s) Adjust Logo Return

SOUNDING

TOTAL DEPTH: 14.161 m
SITE: 1234 Blvd



Depth m	Tip Stress UNC (tsf)	Sleeve Stress (tsf)	Pore Pressure (psi)	Zone	Soil Behavior Type UBC-1983	SPT (blows/t)
0.000	-0.10	0.0294	0.000	0	<out of range>	0
0.020	11.53	0.0913	0.000	6	sandy silt to clayey silt	4
0.042	121.43	0.0932	0.000	9	sand	23
0.063	61.25	0.2373	0.000	8	sand to silty sand	15
0.085	49.91	0.2950	0.000	8	sand to silty sand	12
0.102	45.26	0.3280	0.000	7	silty sand to sandy silt	14
0.122	34.31	0.3797	0.000	7	silty sand to sandy silt	11
0.143	29.85	0.4391	0.000	6	sandy silt to clayey silt	11
0.164	28.49	0.4956	0.000	6	sandy silt to clayey silt	11
0.189	31.49	0.5943	-0.191	6	sandy silt to clayey silt	12
0.202	31.88	0.6729	-0.669	6	sandy silt to clayey silt	12
0.227	29.85	0.6841	-2.390	6	sandy silt to clayey silt	11
0.257	25.68	0.6331	-2.773	6	sandy silt to clayey silt	10
0.267	23.55	0.5718	-2.677	5	clayey silt to silty clay	11
0.281	21.61	0.3279	-2.677	6	sandy silt to clayey silt	8
0.307	21.03	0.2684	-1.816	6	sandy silt to clayey silt	8
0.322	21.51	0.2926	-1.147	6	sandy silt to clayey silt	8
0.345	20.84	0.2711	-0.574	6	sandy silt to clayey silt	8
0.365	15.51	0.2444	-0.191	6	sandy silt to clayey silt	6
0.388	8.33	0.2443	0.000	4	silty clay to clay	5
0.400	8.24	0.2582	0.000	3	clay	8
0.428	8.82	0.2421	0.000	4	silty clay to clay	6
0.454	9.21	0.1316	-0.095	5	clayey silt to silty clay	4
0.468	9.40	0.0983	-0.191	5	clayey silt to silty clay	4
0.495	9.79	0.0840	-0.191	5	clayey silt to silty clay	5
0.508	9.30	0.0804	-0.191	5	clayey silt to silty clay	4
0.523	9.01	0.0767	-0.191	5	clayey silt to silty clay	4
0.551	8.04	0.0696	-0.095	1	sensitive fine grained	4

SHOW TXT DATA SHOW CSV DATA SHOW COR DATA PREVIOUS TEST NEXT TEST

Figure 5 Batch Lists

BATCH EXPORT

This function is the real time saver in the batch processing capability. This function allows up to 30 files to be exported in multiple formats and various units at the same time. It is also possible to release up to 30 plots to a printer at the same time. The options for this function are shown in Figure 6.

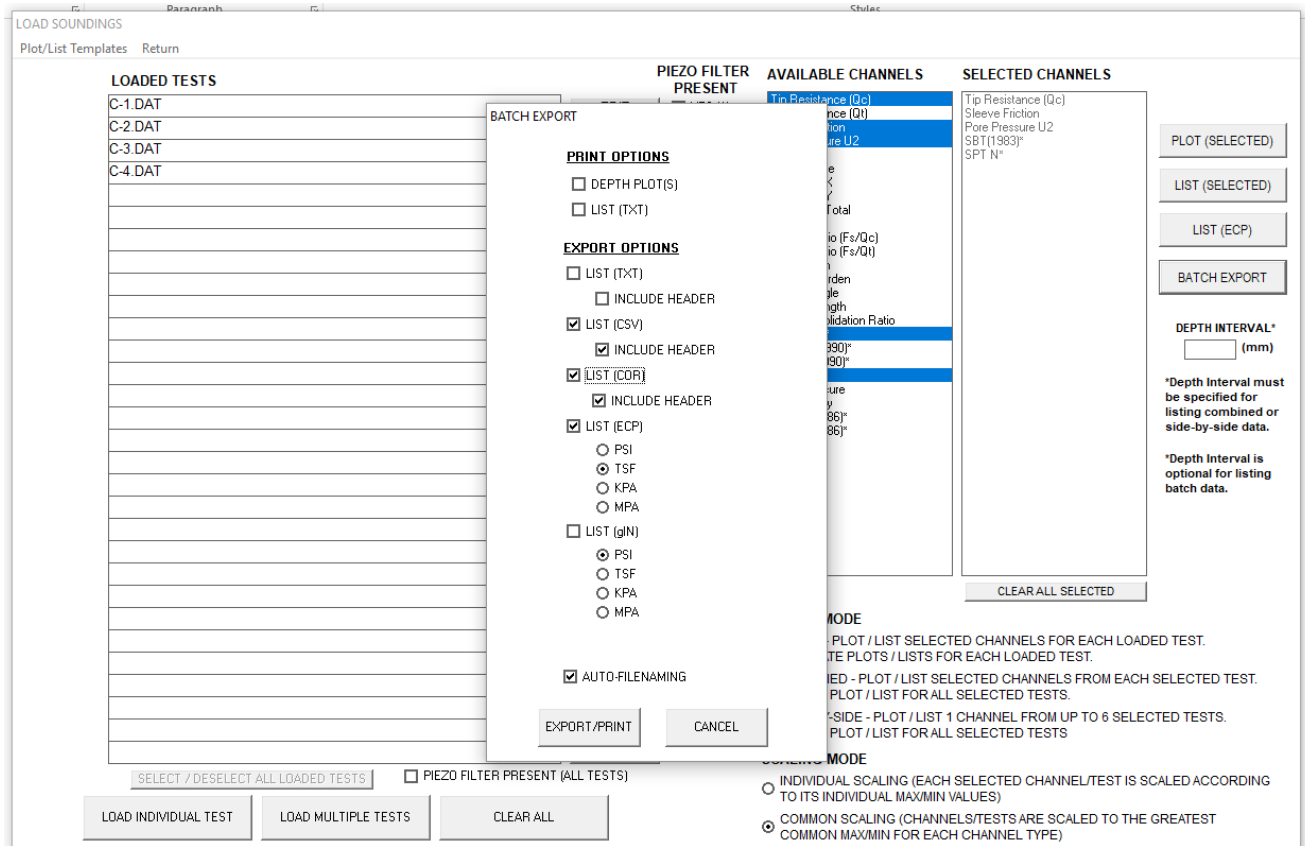


Figure 6 Batch Export Setup Screen

(NOTE: The exported files will be placed in the same folder the CPT files originated from see Figure 7) With AUTO FILE NAMING checked the exports will have the same name as the original files (using the appropriate file extension)

1. PRINT OPTIONS

- a. DEPTH PLOTS – Select this and Auto File Naming to enable printing all of the plots created from the selected files by clicking EXPORT/PRINT

- b. LIST (TXT) - Select this and Auto File Naming to enable printing all of the lists created from the selected files by clicking EXPORT/PRINT

(note: AutoFileNaming should be checked for any of these functions to reduce operator involvement in approving printers or in naming each export)

2. EXPORT OPTIONS (note: for a,b,c the units are selected in CONELOT PROGRAM SETTINGS (channel units and formats)

- a. LIST (TXT) – Click this to create a text file for each selected test
 - i. Include Header – user choice- some clients do not want the header info
- b. LIST (CSV) – Click this to create a CSV file for each selected test
 - i. Include Header – user choice- some clients do not want the header info
- c. LIST (COR) – Click this to create a COR file (used for CPet-it) for each test
 - i. Include Header – user choice- some clients do not want the header info
- d. LIST (ECP) – Click this to create an ECP file for each selected test
 - i. Select the units for this export here (only one selection accepted)
- e. LIST (gIN) – Click this create a gIN file (used by GINT)
 - i. Select the units for this export here (only one selection accepted)
- f. AUTO-FILENAMING – Check this to save a lot of keystrokes (see notes above)
- g. EXPORT / PRINT – Click on this and any or all of the above selections will be printed or exported. Note: this may take a few minutes depending on the size and number of files.

Unit	File Name	Format	Size
C-1		COR File	24 KB
C-1		Microsoft Excel Comma...	24 KB
<input checked="" type="checkbox"/>	C-1	DAT File	130 KB
C-1		ECP File	234 KB
C-2		COR File	23 KB
C-2		Microsoft Excel Comma...	23 KB
C-2		DAT File	120 KB
C-2		ECP File	215 KB
C-3		COR File	27 KB
C-3		Microsoft Excel Comma...	27 KB
C-3		DAT File	141 KB
C-3		ECP File	253 KB
C-4		COR File	26 KB
C-4		Microsoft Excel Comma...	26 KB
C-4		DAT File	140 KB

Figure 7 Exported files from Batch Processing

Combined Plots

Selecting Combined in the lower right side of the Batch Screen (see figure 8) will allow multiple tests to be plotted on the same graph (see figure 9 for a sample plot). The selected channels will be plotted and common scaling is the default setting for this feature.

LOAD SOUNDINGS

Plot/List Templates Return

LOADED TESTS

SELECT 1	<input checked="" type="checkbox"/>	C-1.DAT
SELECT 2	<input checked="" type="checkbox"/>	C-2.DAT
SELECT 3	<input checked="" type="checkbox"/>	C-3.DAT
SELECT 4	<input checked="" type="checkbox"/>	C-4.DAT

PIEZO FILTER PRESENT

EDIT	<input checked="" type="checkbox"/>	YES (1)
EDIT	<input checked="" type="checkbox"/>	YES (2)
EDIT	<input checked="" type="checkbox"/>	YES (3)
EDIT	<input checked="" type="checkbox"/>	YES (4)
EDIT	<input type="checkbox"/>	YES (5)
EDIT	<input type="checkbox"/>	YES (6)
EDIT	<input type="checkbox"/>	YES (7)
EDIT	<input type="checkbox"/>	YES (8)
EDIT	<input type="checkbox"/>	YES (9)
EDIT	<input type="checkbox"/>	YES (10)
EDIT	<input type="checkbox"/>	YES (11)
EDIT	<input type="checkbox"/>	YES (12)
EDIT	<input type="checkbox"/>	YES (13)
EDIT	<input type="checkbox"/>	YES (14)
EDIT	<input type="checkbox"/>	YES (15)
EDIT	<input type="checkbox"/>	YES (16)
EDIT	<input type="checkbox"/>	YES (17)
EDIT	<input type="checkbox"/>	YES (18)
EDIT	<input type="checkbox"/>	YES (19)
EDIT	<input type="checkbox"/>	YES (20)
EDIT	<input type="checkbox"/>	YES (21)
EDIT	<input type="checkbox"/>	YES (22)
EDIT	<input type="checkbox"/>	YES (23)
EDIT	<input type="checkbox"/>	YES (24)
EDIT	<input type="checkbox"/>	YES (25)
EDIT	<input type="checkbox"/>	YES (26)
EDIT	<input type="checkbox"/>	YES (27)
EDIT	<input type="checkbox"/>	YES (28)
EDIT	<input type="checkbox"/>	YES (29)
EDIT	<input type="checkbox"/>	YES (30)

AVAILABLE CHANNELS

- Tip Resistance (Q)
- Tip Resistance (Q)
- Sleeve Friction
- Pore Pressure U2
- Exc Sense
- Temperature
- Inclination X
- Inclination Y
- Inclination Total
- Rod Depth
- Friction Ratio (F/Q)
- Friction Ratio (F/U2)
- Overburden
- EB Overburden
- Friction Angle
- Shear Strength
- Over Consolidation Ratio
- SPT (1962)
- SPT (1962)
- SPT (1962)
- SPT (1962)
- SPT (1962)
- Head Pressure
- Wet Density
- FR (1962)
- SPT (1962)
- Time

SELECTED CHANNELS

- Tip Resistance (Q)
- Sleeve Friction
- Pore Pressure U2
- SPT N*

PLOT (SELECTED)

LIST (SELECTED)

LIST (ECP)

BATCH EXPORT

DEPTH INTERVAL* (mm)

*Depth Interval must be specified for listing combined or side-by-side data.

*Depth Interval is optional for listing batch data.

OUTPUT MODE

- BATCH - PLOT / LIST SELECTED CHANNELS FOR EACH LOADED TEST.
- SEPARATE PLOTS / LISTS FOR EACH LOADED TEST.
- COMBINED - PLOT / LIST SELECTED CHANNELS FROM EACH SELECTED TEST. SINGLE PLOT / LIST FOR ALL SELECTED TESTS.
- SIDE-BY-SIDE - PLOT / LIST 1 CHANNEL FROM UP TO 6 SELECTED TESTS. SINGLE PLOT / LIST FOR ALL SELECTED TESTS.

SCALING MODE

- INDIVIDUAL SCALING (EACH SELECTED CHANNEL/TEST IS SCALED ACCORDING TO ITS INDIVIDUAL MAX/MIN VALUES)
- COMMON SCALING (CHANNELS/TESTS ARE SCALED TO THE GREATEST COMMON MAX/MIN FOR EACH CHANNEL TYPE)

SELECT / DESELECT ALL LOADED TESTS PIEZO FILTER PRESENT (ALL TESTS)

LOAD INDIVIDUAL TEST LOAD MULTIPLE TESTS CLEAR ALL

Figure 8 Batch Screen with COMBINED selected

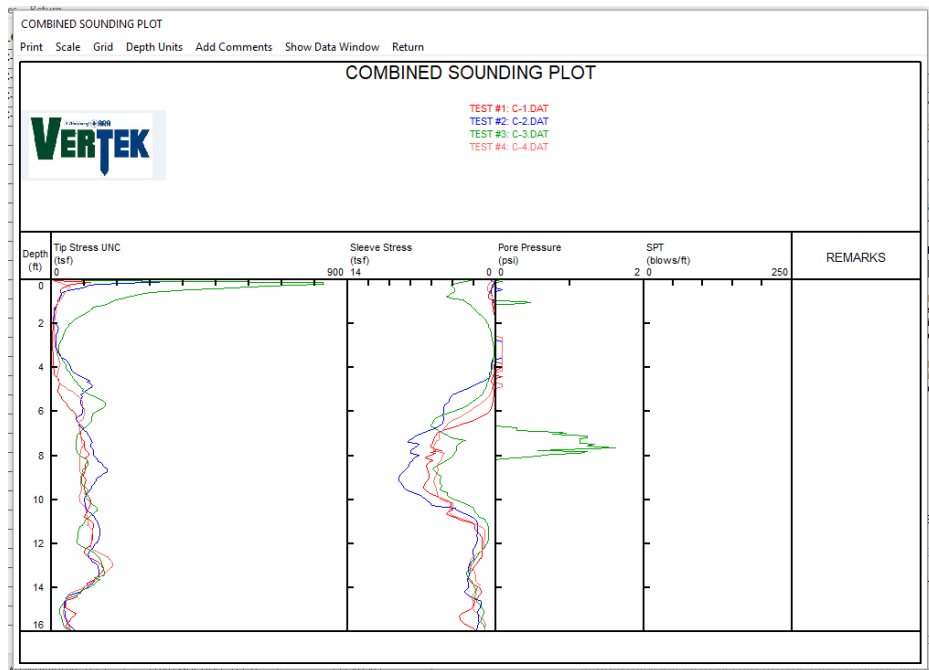


Figure 9 Sample Combined Plot

Side by Side Plots

To plot side by side comparison plots for a given channel select SIDE BY SIDE and select the files to be included. The default scaling for this option is common. Click on plot (or list to create a file of the readings- like any other list)

The screenshot shows the 'LOAD SOUNDINGS' software interface. It features several panels:

- LOADED TESTS:** A list of tests with checkboxes for selection. Tests C-1.DAT, C-2.DAT, C-3.DAT, and C-4.DAT are all selected.
- PIEZO FILTER PRESENT:** A vertical list of 30 filter options, each with an 'EDIT' button and a checkbox. The first four are checked (YES (1) through YES (4)).
- AVAILABLE CHANNELS:** A list of data channels such as Tip Resistance (Q), Sleeve Friction, and Pore Pressure U2. 'Tip Resistance (Q)' is highlighted in blue.
- SELECTED CHANNELS:** A list showing 'Tip Resistance (Q)' has been selected.
- OUTPUT MODE:** Radio buttons for 'BATCH - PLOT / LIST', 'COMBINED - PLOT / LIST', and 'SIDE-BY-SIDE - PLOT / LIST'. 'SIDE-BY-SIDE - PLOT / LIST' is selected.
- SCALING MODE:** Radio buttons for 'INDIVIDUAL SCALING' and 'COMMON SCALING'. 'COMMON SCALING' is selected.
- Buttons:** 'PLOT (SELECTED)', 'LIST (SELECTED)', 'LIST (ECP)', 'BATCH EXPORT', 'CLEAR ALL SELECTED', 'LOAD INDIVIDUAL TEST', 'LOAD MULTIPLE TESTS', and 'CLEAR ALL'.

Figure 10 Side by Side Selection

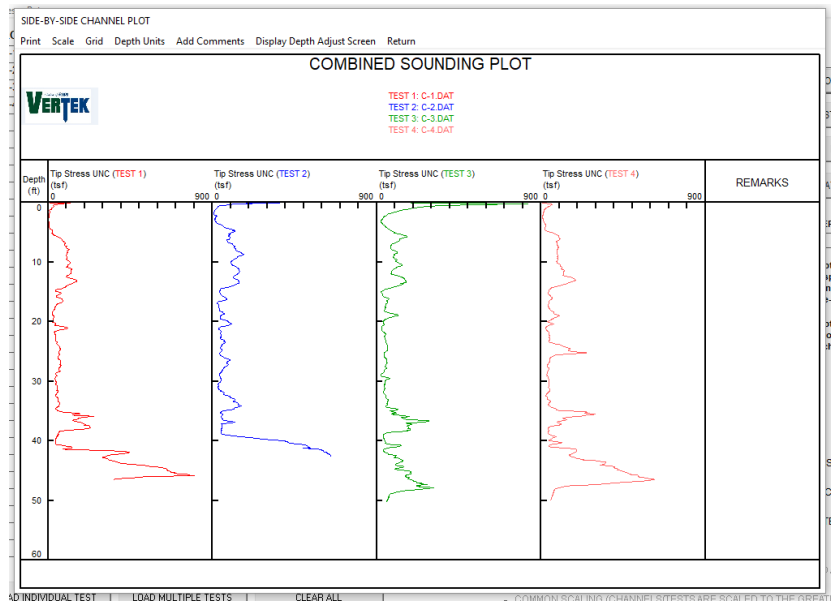


Figure 11 Side by Side Sample Plot

