



## Staff Products Interface Program Guide

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This new, easy to use, Staff Product Interface Program is available to download from our web site. We recommend using the program to configure all Staff type units. It can also be used to display and analyze wave data. Sampled data can be saved to a file for future analysis with this Interface Software or other analysis software tools. Right click on any object while running the Interface Program for help.

This guide will assist the user to perform the following tasks with the Staff Products Interface Program:

1. Connect to a Unit.
2. Display and Plot Data.
3. Analyze Plotted Data.
4. Save Data to a File.
5. Open a File to Plot.
5. Configure and Calibrate Units.
6. Convert Logged Flash Card files.

### Connect to a unit:

From our web site at [oceansensorsystems.com/products.htm](http://oceansensorsystems.com/products.htm) download and install the Staff Products Interface Software. See web page example below:

#### STAFF PRODUCTS INTERFACE PROGRAM

##### Use this Interface Software for Staff type Products:

- ✓ Wave Staff XB Products OSSI-010-025
- ✓ Wave Staff Products OSSI-010-002E
- ✓ Wave Staff III Products OSSI-010-008
- ✓ Wave Logger Products OSSI-010-004E
- ✓ Wave Staff Synchronizer Products OSSI-012-012

##### Use this Interface Software to:

- ✓ Display, Plot and Analyze sampled data
- ✓ Configure and Calibrate all units
- ✓ Input Running, Saved or Logged sampled data



**Staff Products Interface Program V2.01 (ZIP 190M ) [DOWNLOAD](#) StaffProducts.zip**

Next select the Unit Type: Example: Wave Logger OSSI-010-004E and Serial Com Port: Example: ASRL5 (COM5 – Keyspan USB Serial Port)

**Select Unit Type**  
Wave Logger OSSI-010-004E-

**Select Serial Com Port**  
ASRL5 (COM5 - Keyspan USB Serial Port)

**Run Status**  
Not Connected

**Serial Number**  
MM-DD-YY-00-01

**Staff Length meters**  
1.000

**Temperature in C**  
25.0

Change Com Port

The Select Data Source should be set to “Port”.

**Select Data Source**

>> Port  File <<

Connect the Wave Logger to the computer with the Serial Port Adapter cable and apply power to the unit. The Run Status will now indicate **Connected** or **Configure Mode** and the Unit serial number, Staff Length and Temperature (if enabled) will be displayed.

## Display and Plot data:

Select the Configure Device Tab and set the Select Connect Mode switch to “Run”.

**To Configure**

**Select Connect Mode**

Run  Configure

If the Wave Logger is sleeping  
press the button labeled:  
"Press Button to close File"

**Configure Status**  
Not Connected

The Device Status and Output Data Monitoring will now be displayed. Right click on objects for help!

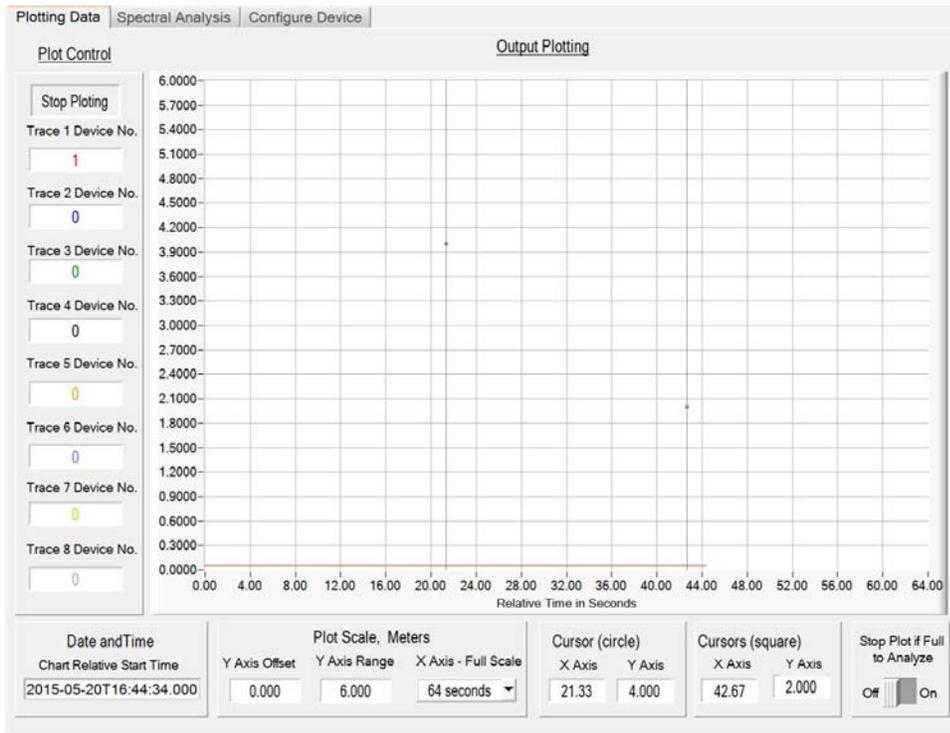
Device Status			Output Data Monitoring				
Power Status	Network Address	Number	Rate	Date and Time	Offset mSec	Data meters	ZeroAbs
ON 	0000000000000001	1	20	2015-05-20T16:31:26	750	00.0490	Abs

The Output Plotting Tab can be used to plot data from connected Staff units or from a saved file. All output data is time tagged and plotted in real time. Vertical Line Cursors can be used to select a portion of the plot for analysis.

Select the Plotting Data Tab, enter the device number and press the Start Plotting button:

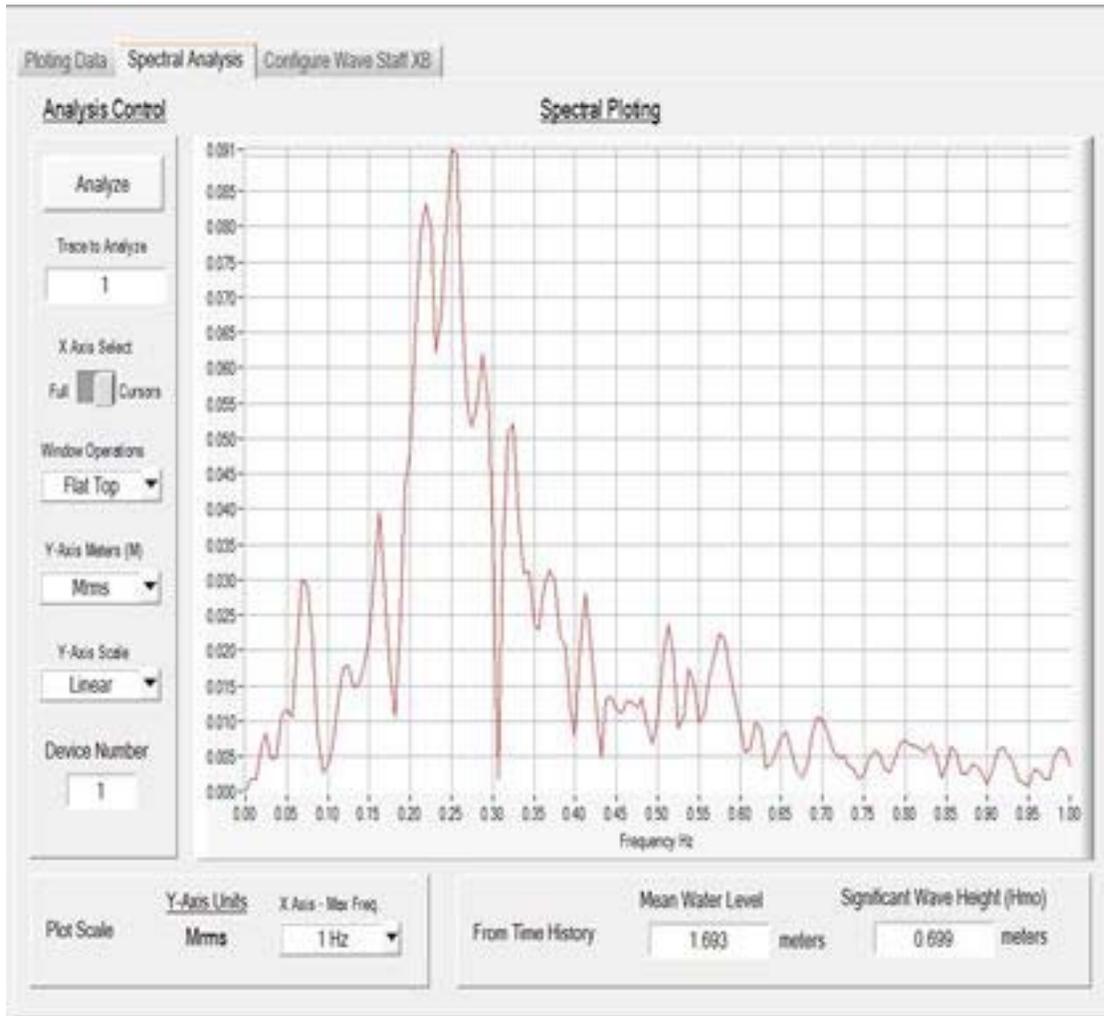
Plotting Data	Spectral
Plot Control	
Start Plotting	6.0
Trace 1 Device No.	5.7
1	5.4
Trace 2 Device No.	5.1
0	4.8
	4.5
	4.2

You may now adjust the Plot Scale to your display requirements. Right click on objects for help!



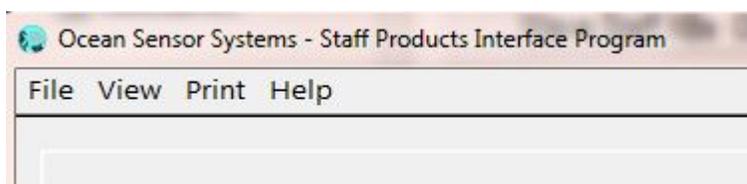
## Analysis Plotted Data:

To analysis the plotted data, stop the plot and select the Spectral Analysis tab. Enter the Trace to Analyze number and press the Analyze button. You may adjust the Spectral Plotting values and press the Analyze button again as required. Right click on objects for help!



## Save Data to a File:

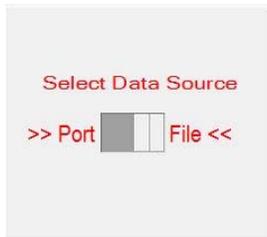
In the Main File Tab select Save Output Data to File. Enter a file name and press OK. To close the file, select Close Output Data to File.



## Open a File to Plot:

In the Main File Tab select Open file to Plot. Select the saved or converted Flash Card file and press OK. To close the file, select Close File to Plot.

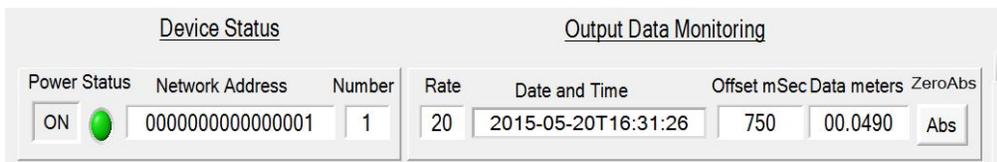
Set the Select Data Source switch to “File”.



Select the Plotting Data Tab and press the Start Plotting button twice.

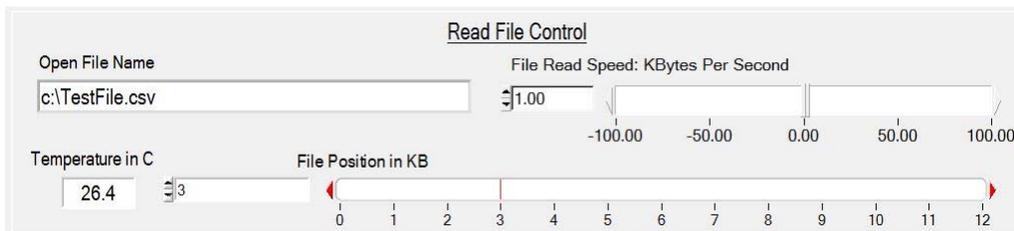


The Device Status and Output Data Monitoring values will now be displayed for the beginning of the file.



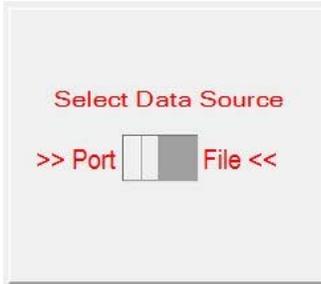
Enter the device number and press the Start Plotting button to plot the file data.

Use the Read File Controls panel to move forward and backwards in the file. Right click on objects for help!

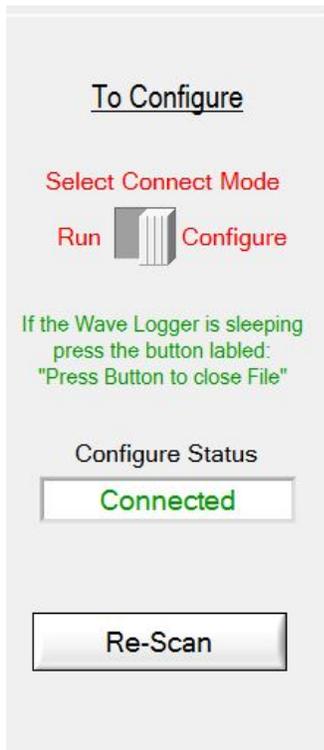


## Configure and Calibrate Units:

Set the Select Data Source switch back to "Port".



Select the Configure Device Tab and set the Select Connect Mode switch to "Configure".



The Configure Status will indicate “**Connected**” and all of the Units configuration settings will be displayed. To change a unit’s configuration simply change a value on the display. The unit will be automatically updated to the new value. Right click on any object while running the Interface Program for help!

Device Information		Device Number 1	Device Part Number OSSI-010-004E-	Serial Number 08,12,09,00,01	Version 00.00		
Sample & Data	Sample Rate	Burst Interval	Burst Length	File Interval	Serial Output	Air Temperature	Data Format
	20 Hz	60	0 <i>\ 0 for continuous /</i>	0	Off <input checked="" type="checkbox"/> On	Off <input checked="" type="checkbox"/> On	ASCII
Start Time	Start Time	Year	Month	Day	Hour	Minute	Set Start Time
	Off <input checked="" type="checkbox"/> On	2015	12	30	23	59	
Clock	Year	Month	Day	Hour	Minute	Second	Delta Seconds
	2015	5	20	19	42	44	
Manually Set Clock Time		Read	Synchronize Clock to Computer		Compare Time		
Calibrate	Set Default Values	Staff Length meters 0.50	Gain 4096.0000	Test Point Low meters 1.000	Test Point High meters 1.000		
	Calibrate	Staff Type Rod	Offset -500.0000	Reading Low meters 1.000	Reading High meters 1.000		

## Convert Logged Flash Card files:

From our web site at [oceansensorsystems.com/products.htm](http://oceansensorsystems.com/products.htm) download and install the Convert program. . See web page example below:



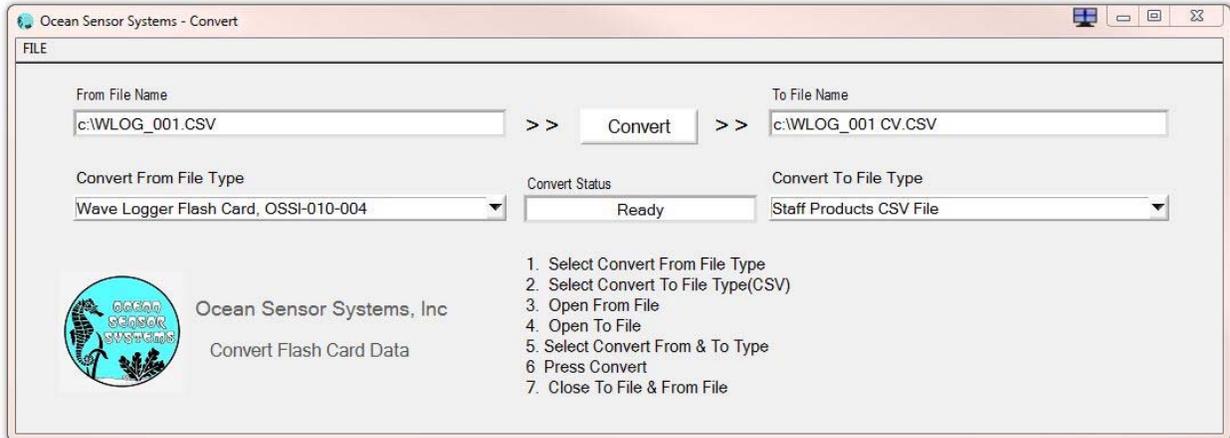
In the Main File Tab select “Open From File”. Select the Flash Card file and press OK.

In the Main File Tab select “Open To File”. Enter a new file name for the converted file and press OK.

Set the Convert From File Type to: Wave Logger Flash Card, OSSIO-010-004.

Set the Convert To File Type to: Staff Products CSV File.

Press the “Convert” button.



The Convert Status will indicate “Finished all” when completed.

Close Convert From File and close Convert To File Type on the Main File Tab.

The converted file is now ready to be opened with the Staff Product Interface Program.