

# SeaSonde10

## Bistatic Config File Format

### Sep 2, 2004

File Descriptions for

**Bistatic.opt**

Bistatic configuration file.

### **Bistatic.opt**

Text Based. Lines must end with linefeed character (ASCII 10)

This file configures the bistatic processing.

**Note:** An '!' exclamation mark in a text line signifies a comment to the end of line.

**Note:** The lines must end in a linefeed (ASCII 10) or the file will not be read correctly by the Processing software.

**Line 1:** *Backscatter Site Info*

**Line 1 Parameter 1:** *Backscatter Enable*

If 0(zero) radials will not be produced for the site; only ellipticals will be produced.

**Line 1 Parameter 2:** *Backscatter Site Code*

The four character site code for the SeaSonde Radial Site.

**Line 1 Parameter 3:** *Backscatter Site Location*

The Lat,Lon location of the SeaSonde Radial Site

Must be of the form 00°00.000'N,000°00.000'E

**Line 2:** *Bistatic Enabled Sites* (Ten maximum)

This line contains up to ten parameters matching the bistatic transmitters from one to ten.

Each parameter is either 0(zero) if not enabled or 1(one) enabled for elliptical processing.

**Line 3:** *First Order Settings.*

The first order settings are configuration values to find the first order bragg for all bistatic cross spectra.

**Line 3: Parameter 1:** *Factor Down Peak*

This parameter is the factor down from both sides of Bragg peak to delimit first order region for Currents processing. The default value is 15.

**Line 3: Parameter 2:** *Factor Down Null*

This parameter is the factor down from Bragg peak to start looking for nulls in current processing. The default is 7.5

**Line 3: Parameter 2:** *Factor Above Noise*

This parameter is the factor above noise floor for valid Bragg peak data in current processing. The default is 4.0

**Line 4:** *Range Cell start of each bistatic spectra.*

This line contains up to ten parameters matching the bistatic transmitters from one to ten.

Each parameter specifies the starting range cell of the cross spectra where the bistatic result is found.

**Line 5:** *Offset of first range Cell of bistatic to process*

This line contains up to ten parameters matching the bistatic transmitters from one to ten. Each parameter specifies the index offset from the starting range cell of the cross spectra where the bistatic result is to start processing.

**Line 6:** Offset of last range Cell of bistatic to process

This line contains up to ten parameters matching the bistatic transmitters from one to ten. Each parameter specifies the index offset from the starting range cell of the cross spectra where the bistatic result is to stop processing.

**Line 7:** Site codes to use for each bistatic.

This line contains up to ten parameters matching the bistatic transmitters from one to ten. Each parameter is the site code to use in the file name for the elliptical data products.

**Line 8:** X distance from receiver of each transmitter.

This line contains up to ten parameters matching the bistatic transmitters from one to ten. Each parameter is the X distance in kilometers of the bistatic transmitter from the SeaSonde receiver.

**Line 9:** Y distance from receiver of each transmitter.

Each parameter is the Y distance in kilometers of the bistatic transmitter from the SeaSonde receiver.

**Lines 10 to 19:** *Location of each Transmitter*

Must be of the form 00°00.000'N,000°00.000'E

**Line 10:** Lat,Lon Location of Transmitter1

**Line 11:** Lat,Lon Location of Transmitter2

**Line 12:** Lat,Lon Location of Transmitter3

**Line 13:** Lat,Lon Location of Transmitter4

**Line 14:** Lat,Lon Location of Transmitter5

**Line 15:** Lat,Lon Location of Transmitter6

**Line 16:** Lat,Lon Location of Transmitter7

**Line 17:** Lat,Lon Location of Transmitter8

**Line 18:** Lat,Lon Location of Transmitter9

**Line 19:** Lat,Lon Location of Transmitter10