



Single Beam Data: Opening Failure or Missing Data in SBMax

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At least once a month Tech Support receives the call that a HYPACK® user can not open their single beam data in SBMax (SINGLE BEAM EDITOR) or they are able to process the file, but some of the data is missing. They can see the raw data in the HYPACK® shell but when they try to process the files in SBMax no data is displayed or only a portion of the data is processed.

Most of the time the cause is due to some binary information that has made it into the file. This information does not allow the program to process the data. If the information is just in the header HYPACK® 2014 automatically strips the binary information out and you won't even realize the information exists. However, in a number of instances, the binary information is written throughout the file within the message string. If you are experiencing issues opening your single beam data, the best thing to do is open one of the lines in a text editor. Take a quick look at the file. Do you see some binary information in the file? It will look something like this:

```
GEO pÿÿÿ^8Îwç4Îw 0.000
MSG 0 33145.226 (@ĚŽ ?Ýj)·¶ÛQ¼+ `Èvðç-
```

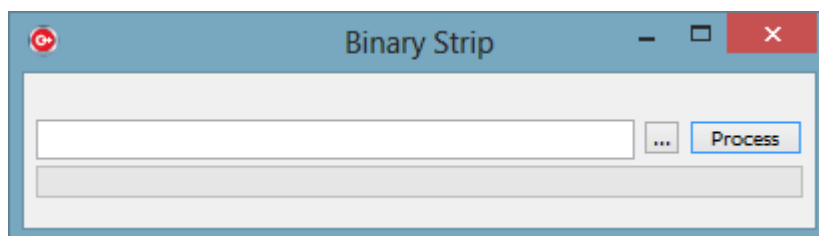
There are a few things you can do to fix your data. Your best two options: delete the binary information or avoid writing the binary information.

DELETING BINARY INFORMATION

To delete the binary information, run the data through a separate utility called StripBinary. If you have HYPACK® 2014 the StripBinary.exe is located in C:\HYPACK® 2014\Support\Utilities folder.

1. **Copy or cut the StripBinary.exe from the Utilities folder and paste in the C:\HYPACK® 2014 folder.**
2. **Double-click on the StripBinary.exe** to open the program.
3. **Click on the [...] to browse to the data.** You can select a .LOG or individual .RAW file.
4. **Click [Process].** This strips all binary characters from the .RAW file(s). You will now have *two* files (.RAW and .BAK). The .BAK file is the original file and the .RAW file is the new file.

FIGURE 1. StripBinary.exe Window



5. **Go back into the SINGLE BEAM EDITOR, and open and process the .RAW file as usual.**

AVOID WRITING THE BINARY INFORMATION

To avoid writing the binary information, go into HARDWARE and uncheck the “Record RAW Messages” and “Record Device Specific Messages” options for the GPS device. This eliminates writing bad data to the MSG string.

If you are not using HYPACK® 2014, please contact HYPACK, Inc. for the StripBinary Utility.