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Common RAW File Issues

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Occasionally, customers will find collected RAW files that have issues when loading into a processing program. Safeguards were added to SBMAX64 in 2018 to pop up a warning and explanation as to what is going wrong. Until HYPACK® 2018 is in your hands with these guards, here are some issues we have seen:

DOES THE FILE HAVE MORE THAN 2 POSITION RECORDS?

Sometimes a LOG file may contain a RAW file which was created by quick presses of start and stop. Trying to load a file with few positions will cause issues when the processing program attempts to interpolate X and Y for the sounding records. The fix is to remove that RAW file from the LOG file.

DOES THE FILE HAVE A USELESS POSITION DEVICE?

Sometimes a device can be packed with features that you aren't using such as an environmental sensor with positioning data. Check to make sure that you have the appropriate position device selected in programs such as SBMAX64, as sometimes a device which has its positioning functionality turned off may be the default due to a lower device number.

DOES THE FILE GO BACK IN TIME?

This problem is pretty uncommon, but it can happen in very unusual circumstances. If a file is causing problems and has timetags that go back in time, it is probably time to call HYPACK support.

Diagnosing these issues revolve around opening the RAW file in a text editor and examining what's there.

Hopefully the added warnings in 2018 will alleviate some pain when these things happen.