

2010

QINSy Dynascan Operations Guide

This document outlines the basic functions used when operating QPS's QINSy Software with the MDL Dynascan. The QINSy Software has been installed and setup in house during the Dynascan installation process. This Guide simply outlines the steps needed to operate the software to enable SLM control, create Sounding Grids and export the SLM Data.

QINSy

A Total Hydrographic Solution!



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2/15/2010



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1.0 Manage Projects

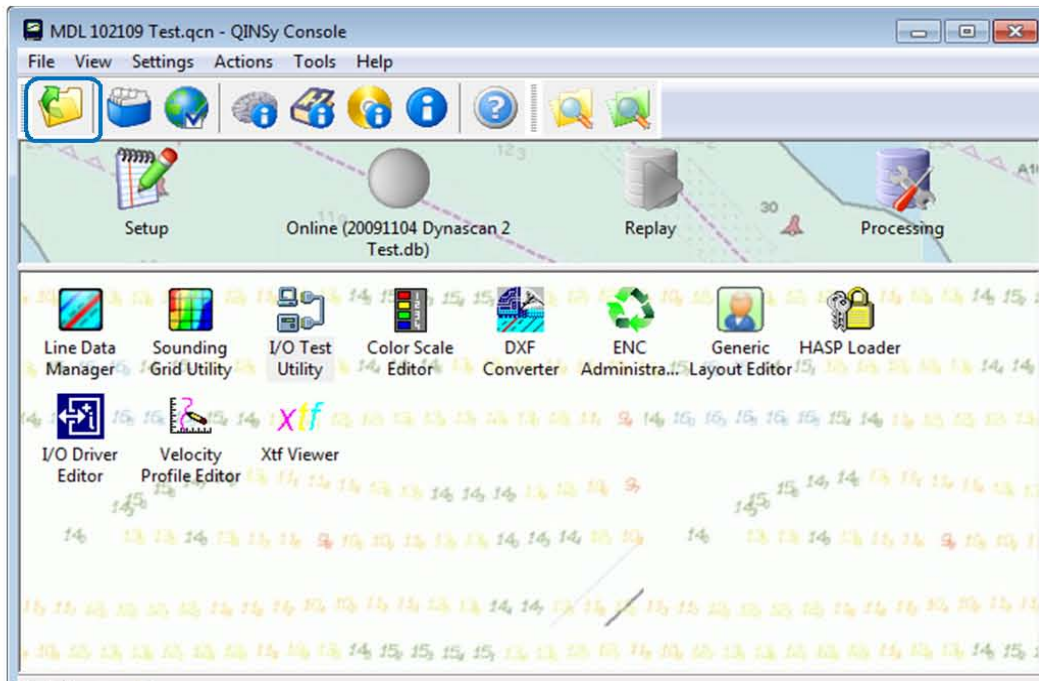


Figure 1: QINSy Console

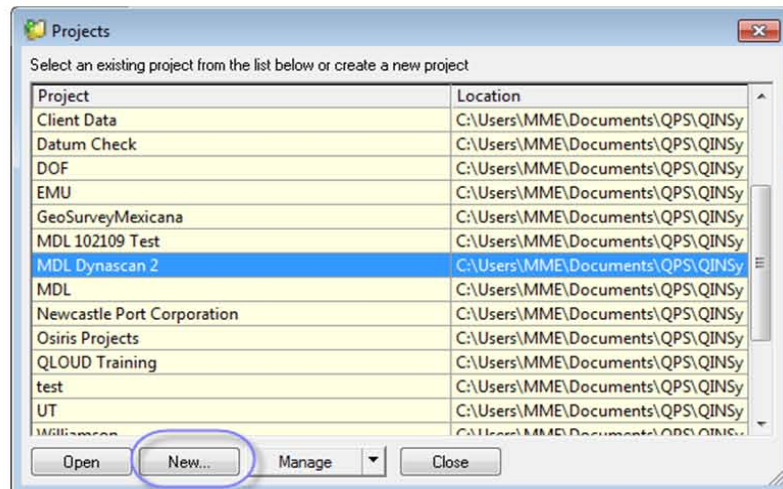


Figure 2: Manage Projects

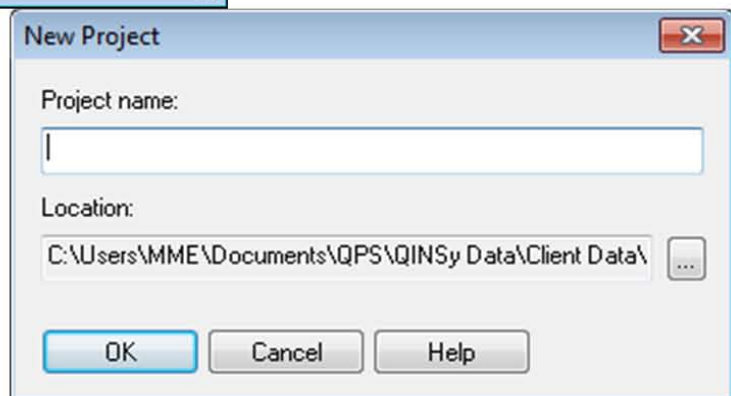


Figure 3: New Project

2.0 Database Setup

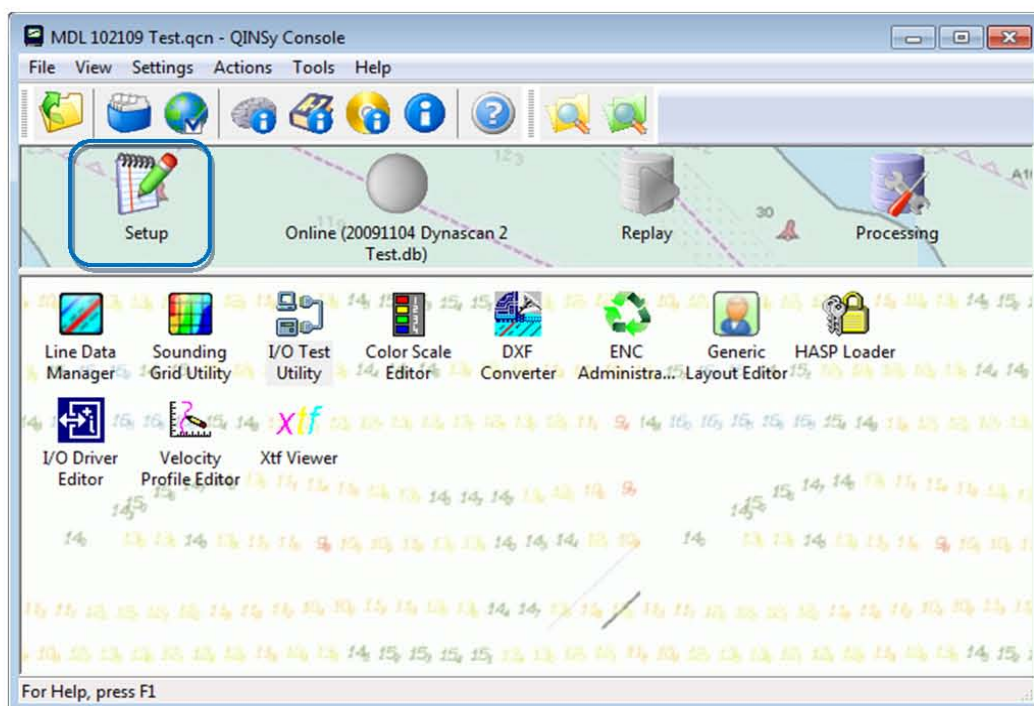


Figure 4: Database Setup

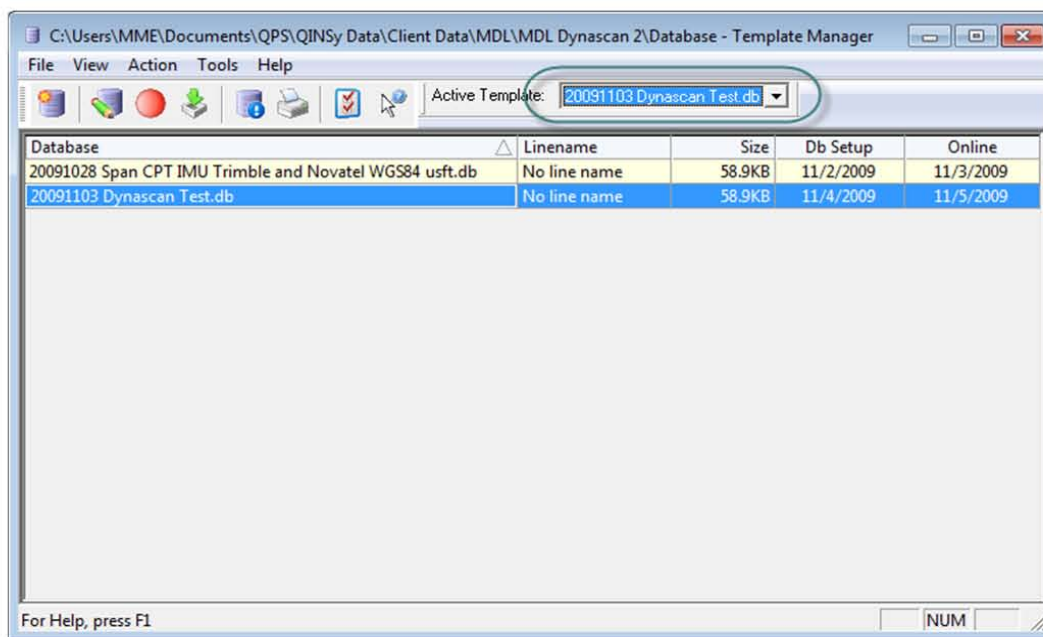


Figure 5: Template Manager

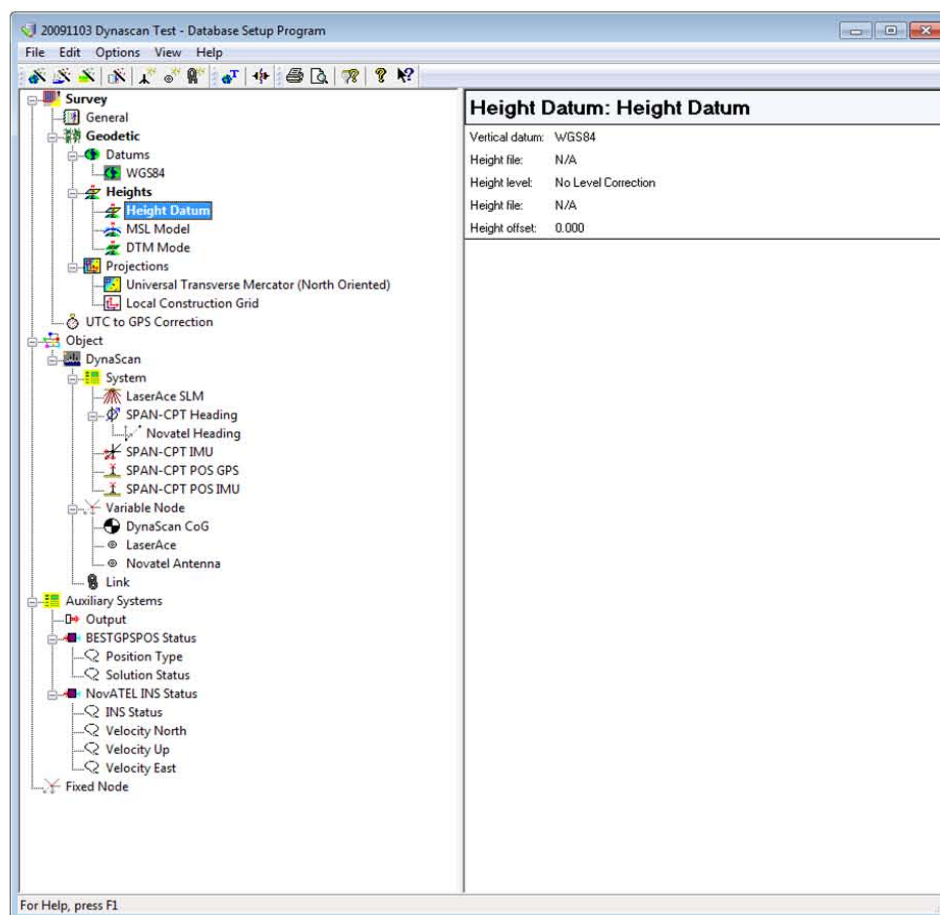


Figure 6: Database Setup

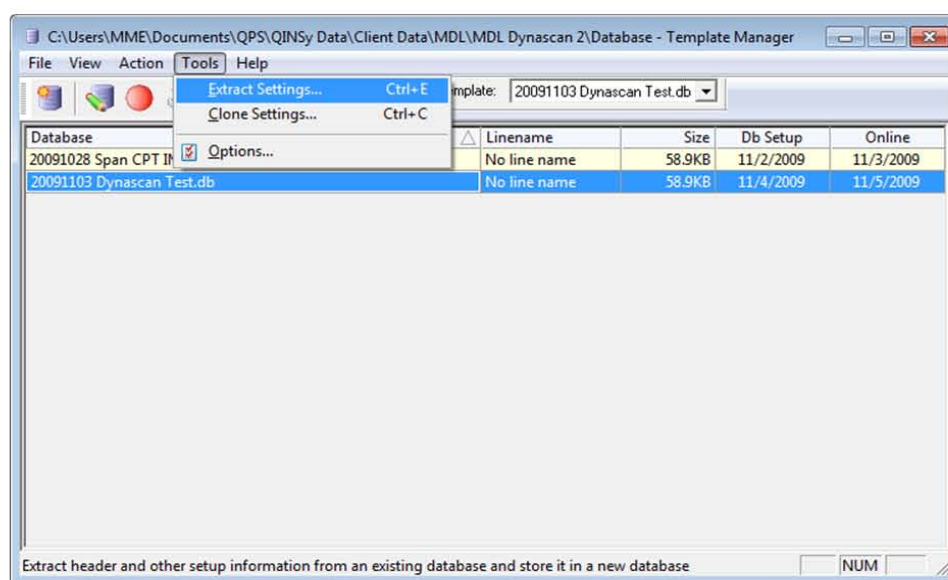


Figure 7: Copy Database Settings

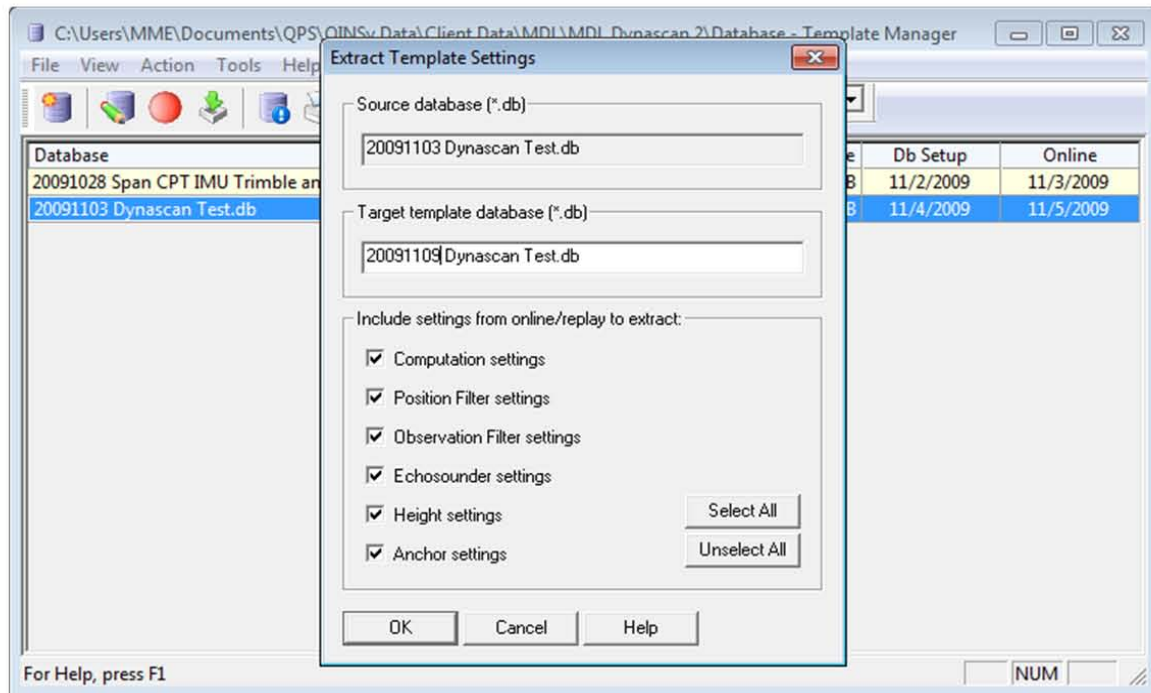


Figure 8: New Database

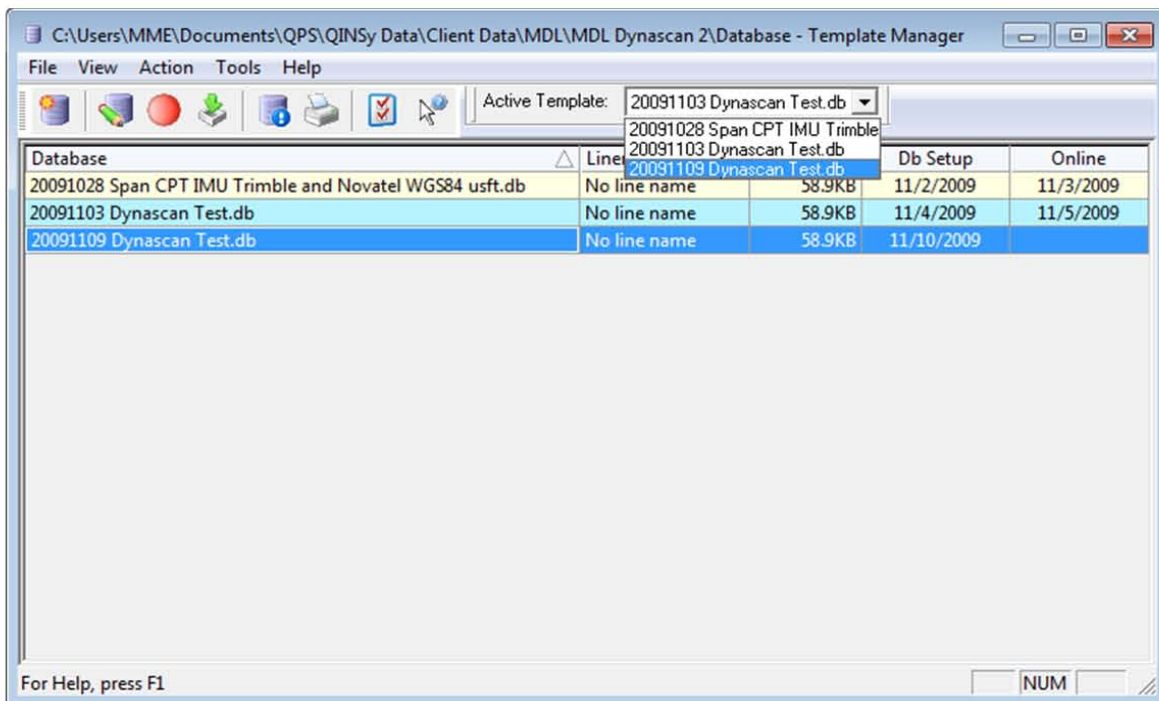


Figure 9: Set Active Template

3.0 Online Settings

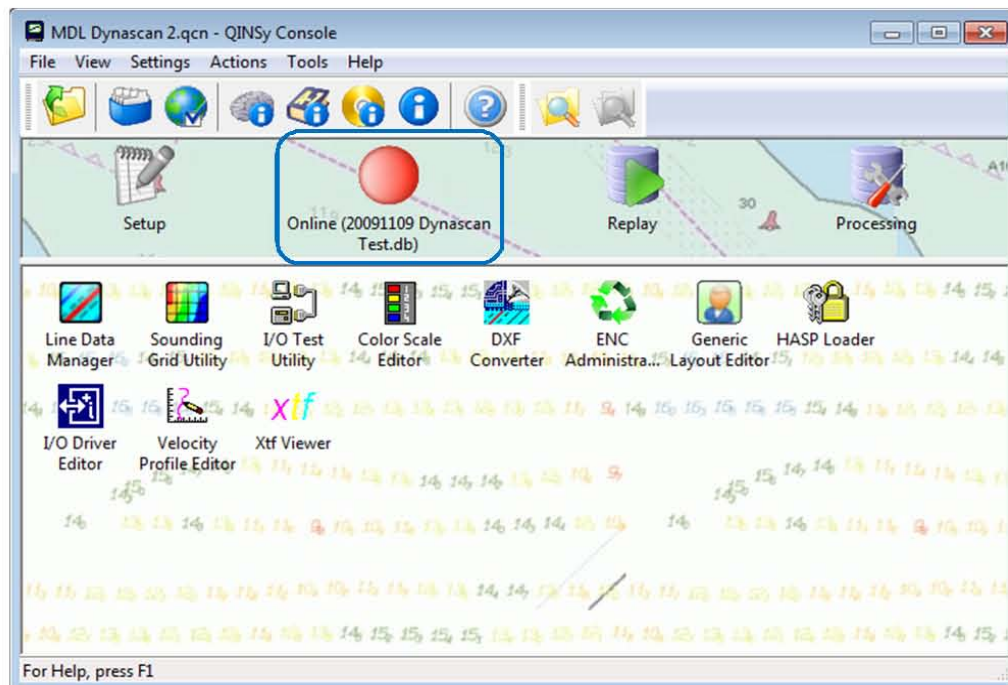


Figure 10: Go Online

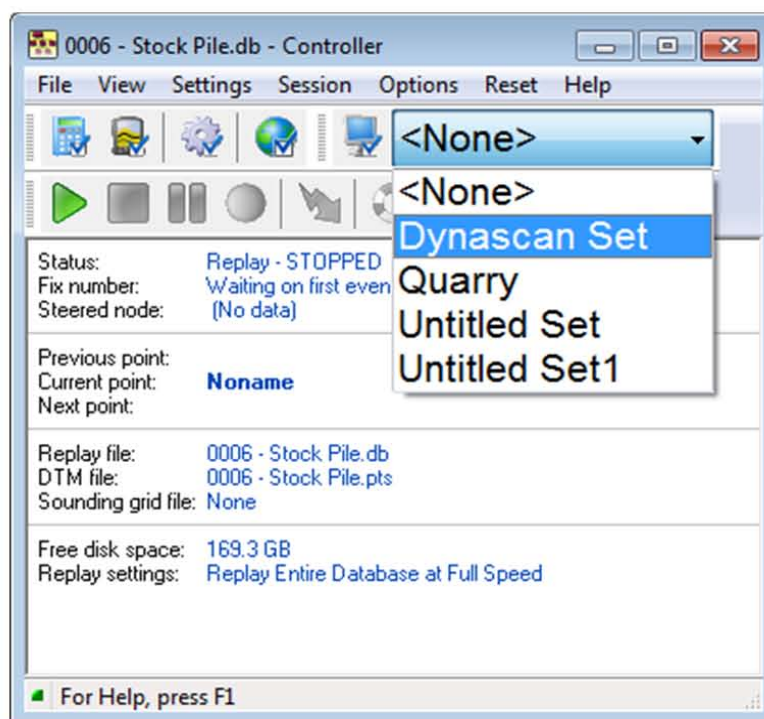


Figure 11: Display Sets

4.0 Dynascan Displays

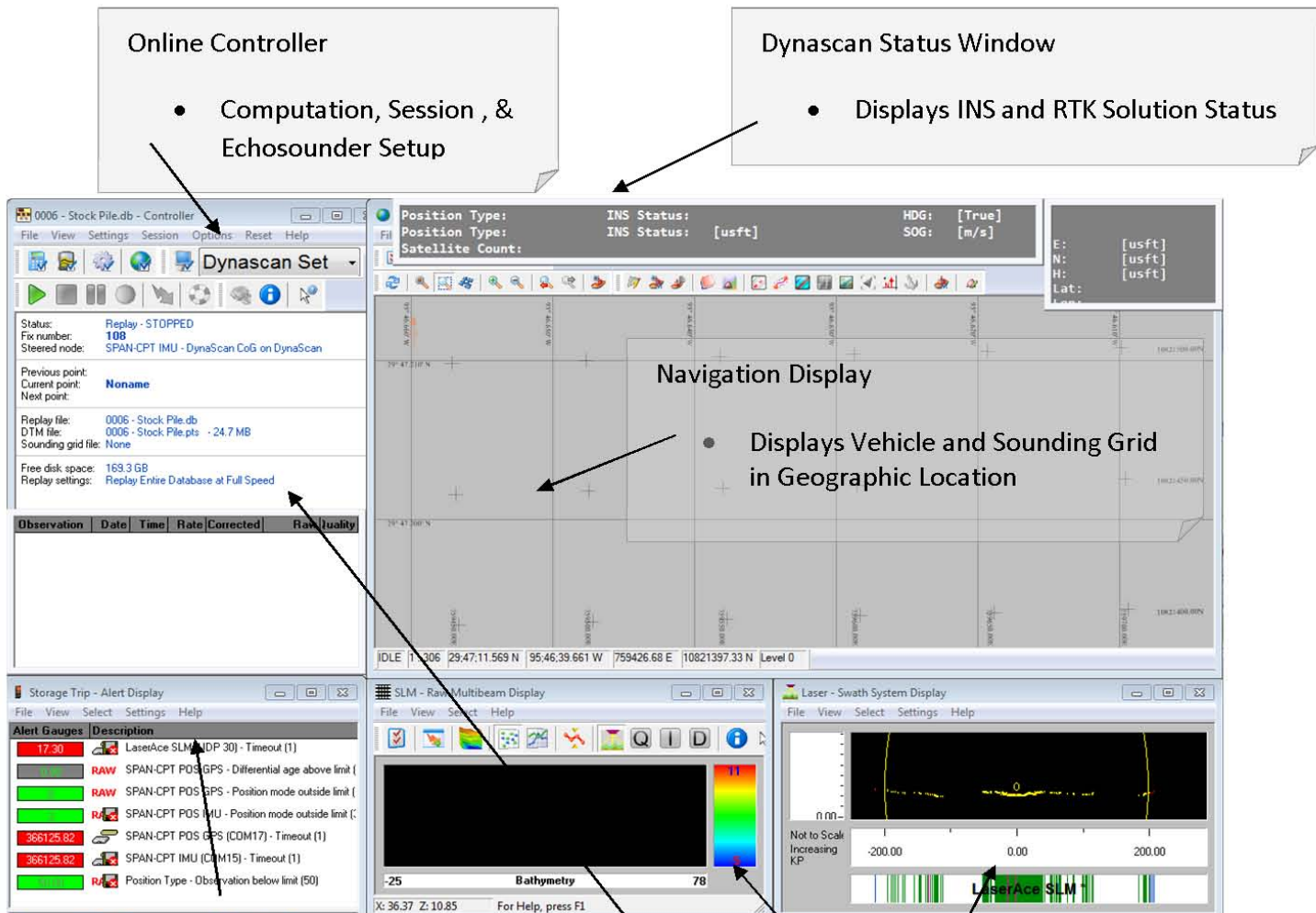


Figure 12: Dynascan Display Set

5.0 Computation Setup

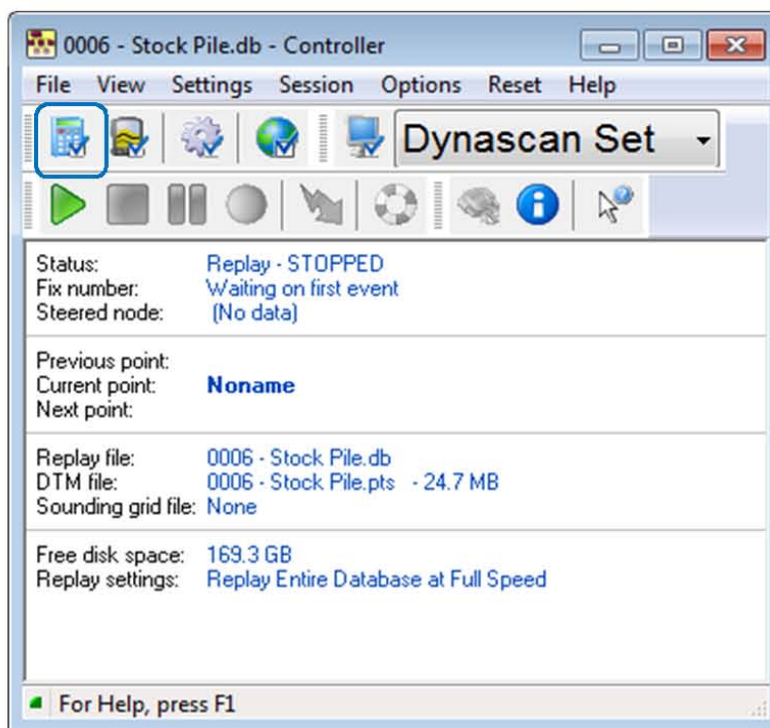


Figure 13: Computation Setup

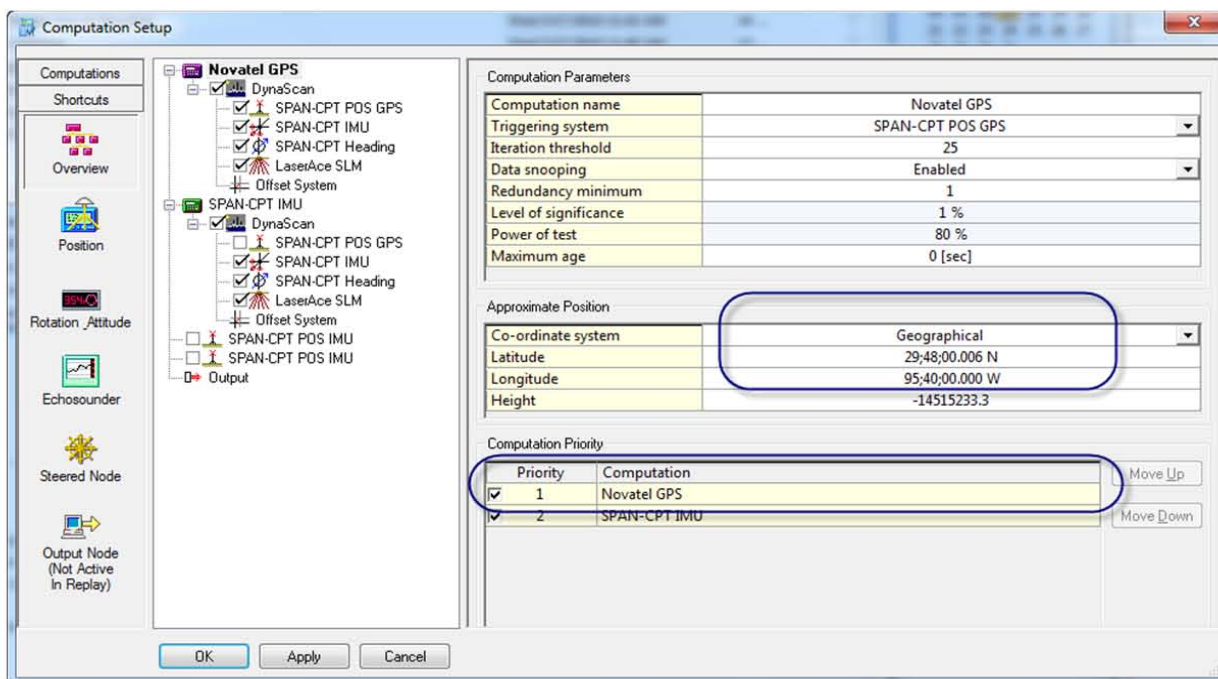


Figure 14: Enter Approximate Location

6.0 Session Setup – Sounding Grid

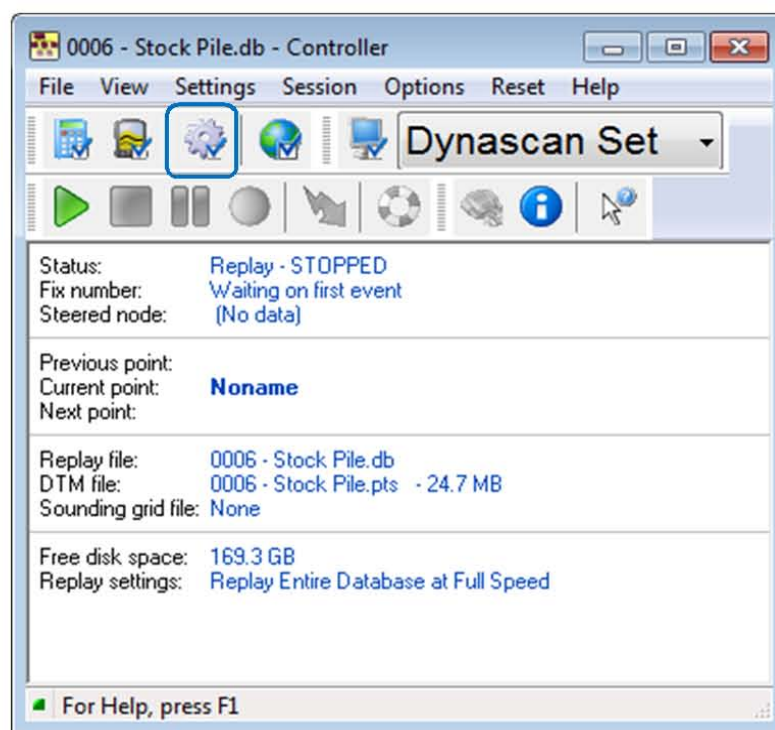


Figure 15: Session Setup

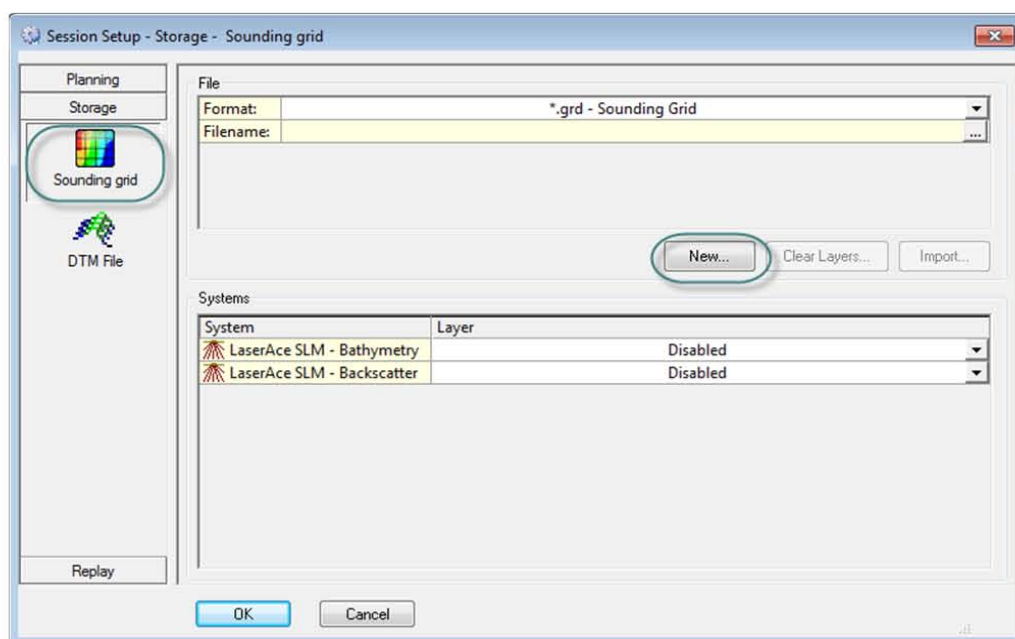


Figure 16: Sounding Grid Storage

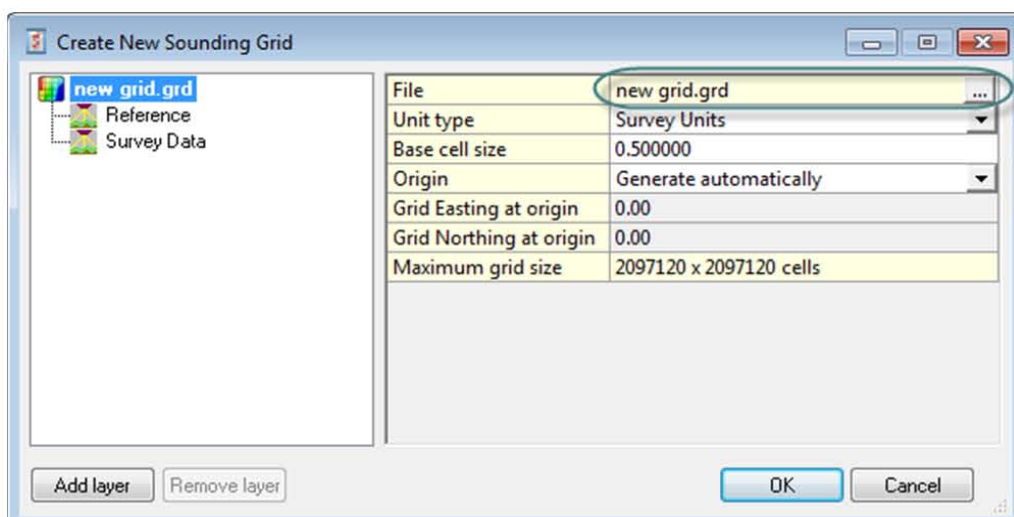


Figure 17: Create New Sounding Grid

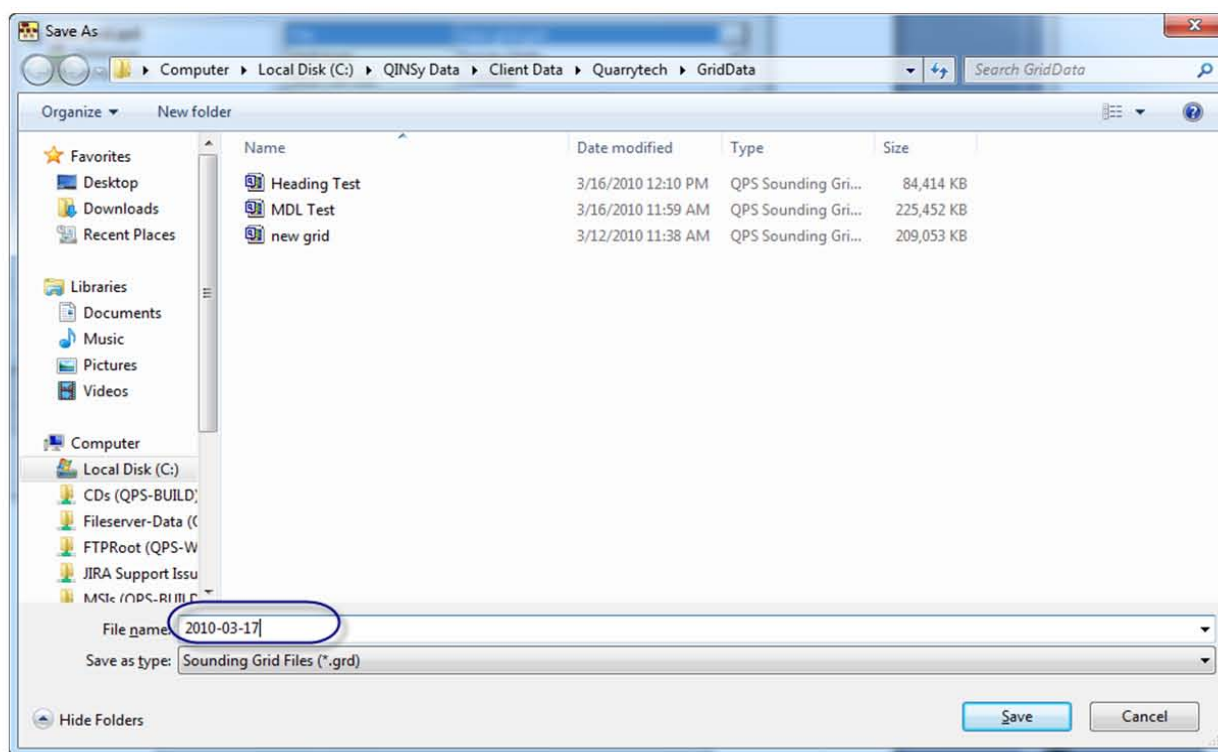


Figure 18: Enter Sounding Grid Name

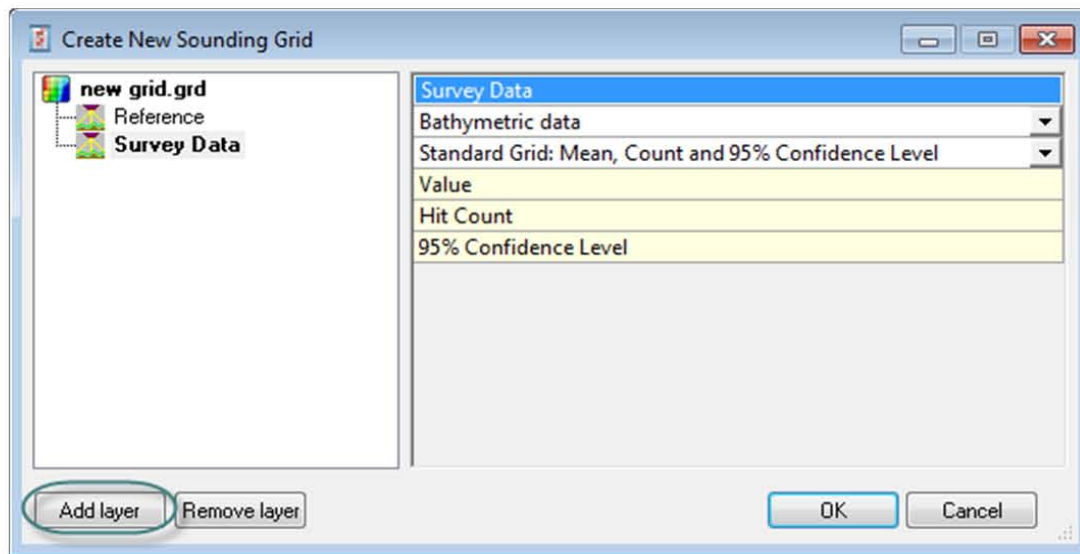


Figure 19: Add a New Layer to the Sounding Grid

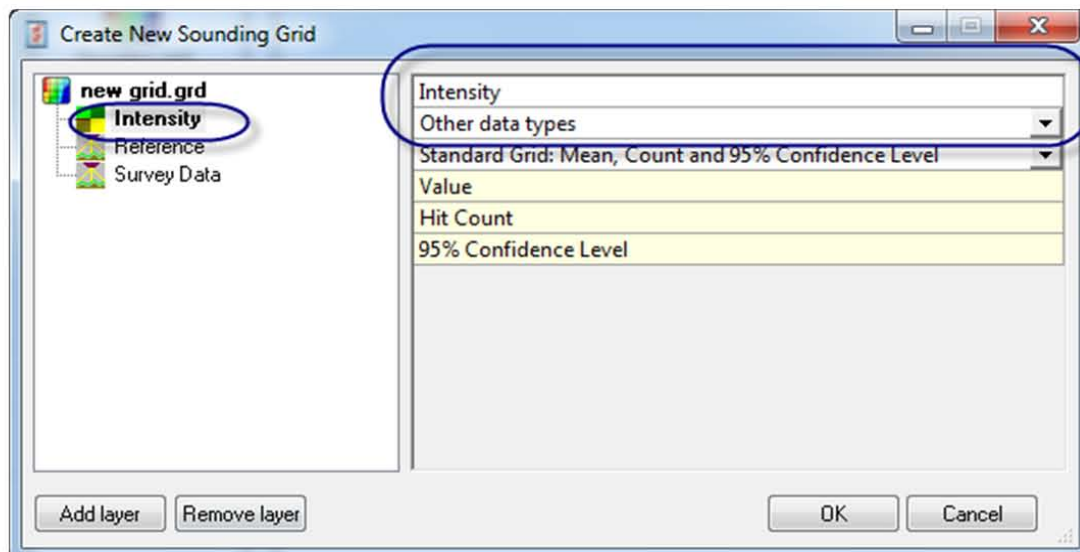


Figure 20: Add Intensity to Sounding Grid

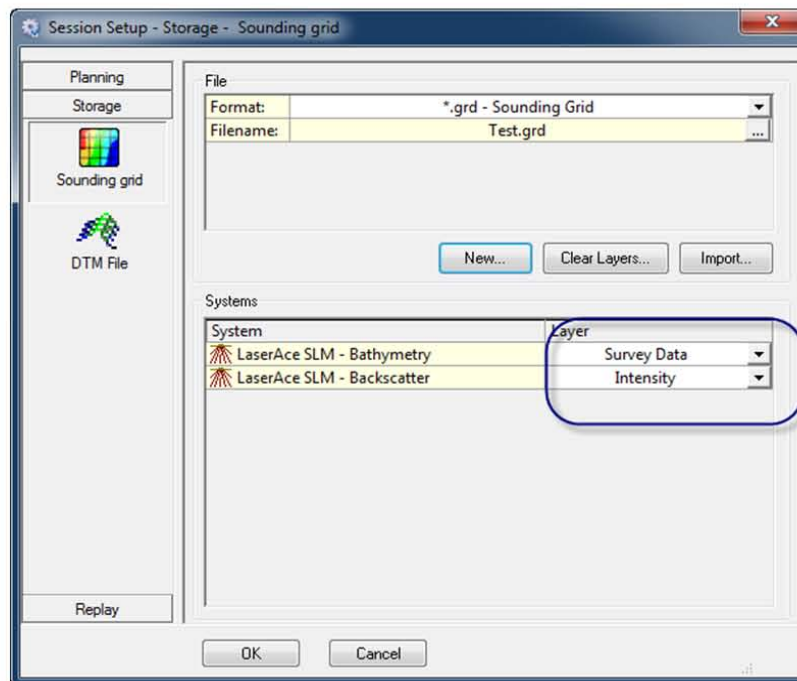


Figure 21: Select the Correct Layer

7.0 Session Setup – DTM Storage

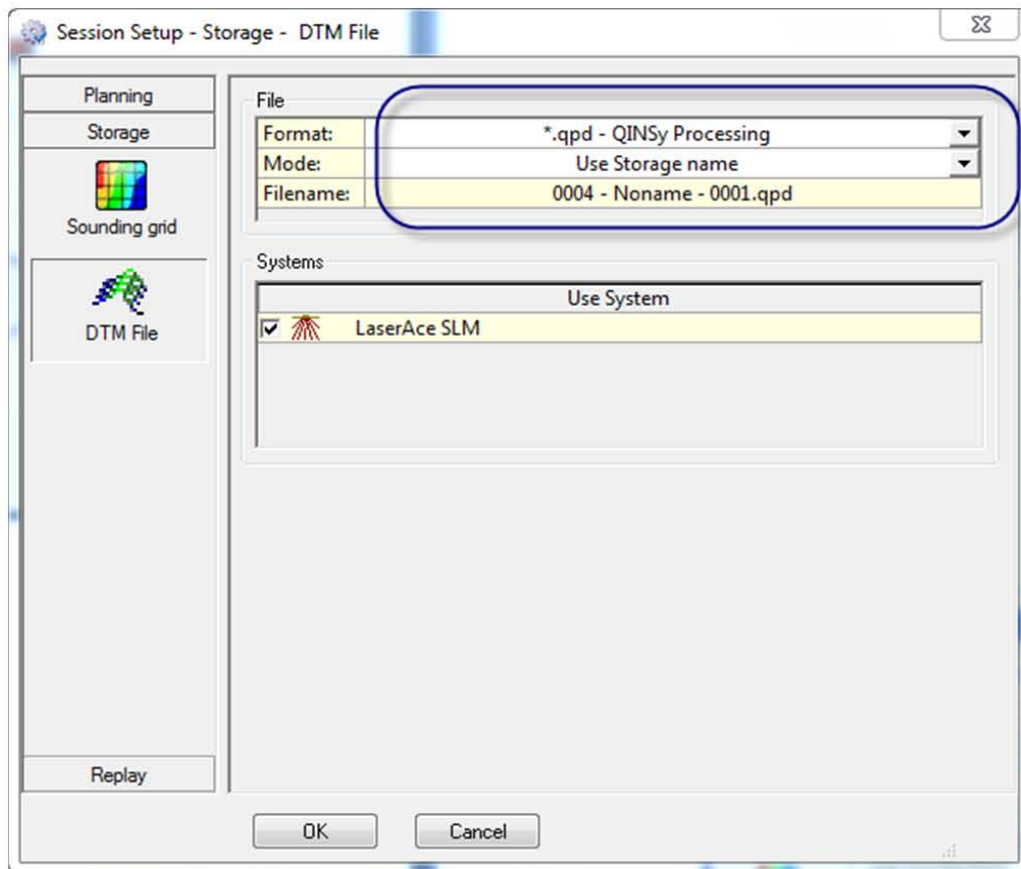


Figure 22: Select Point Storage – QINSy Processing File

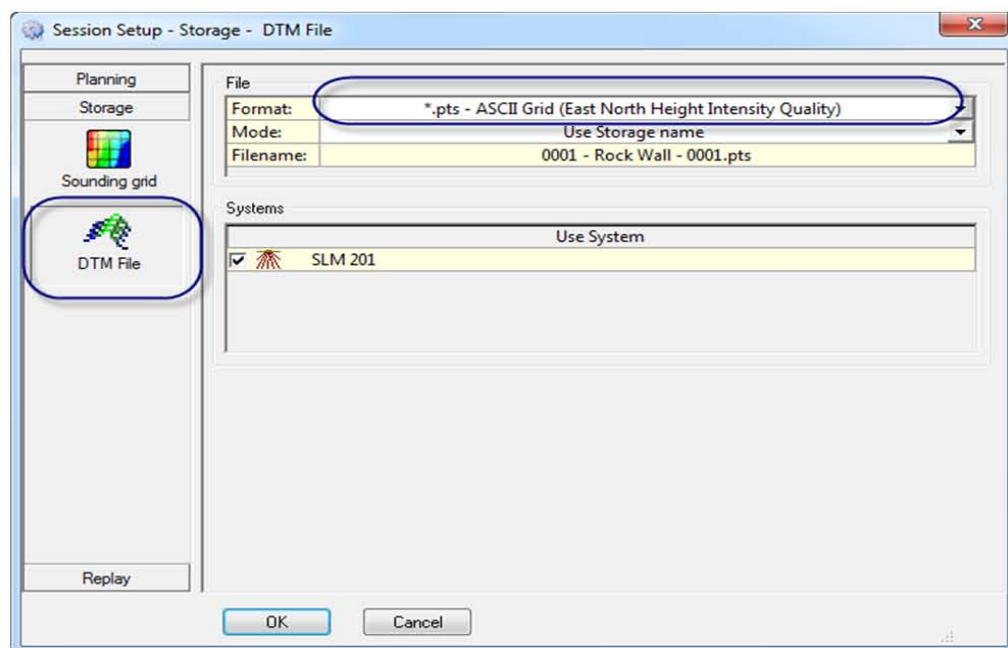


Figure 23: Select Point Storage – *.pts - ASCII Grid – Only Use for Direct Export

7.0 Session Setup - Control

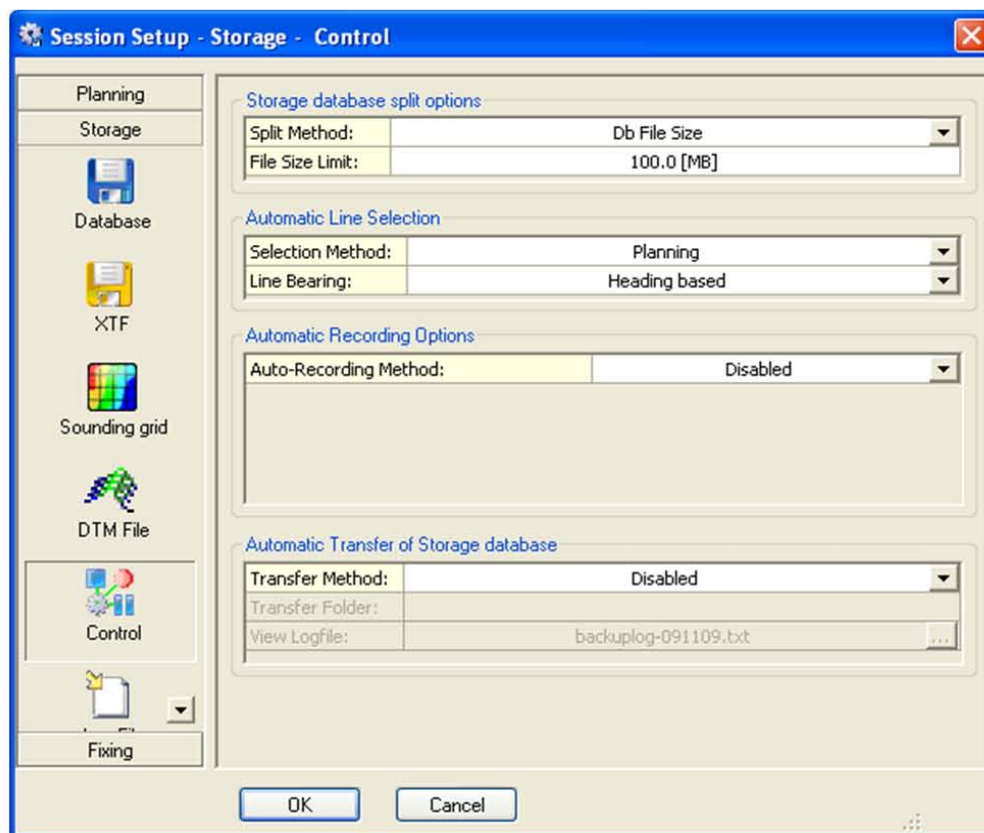


Figure 24: Control Settings – File Split Option

8.0 SLM Settings

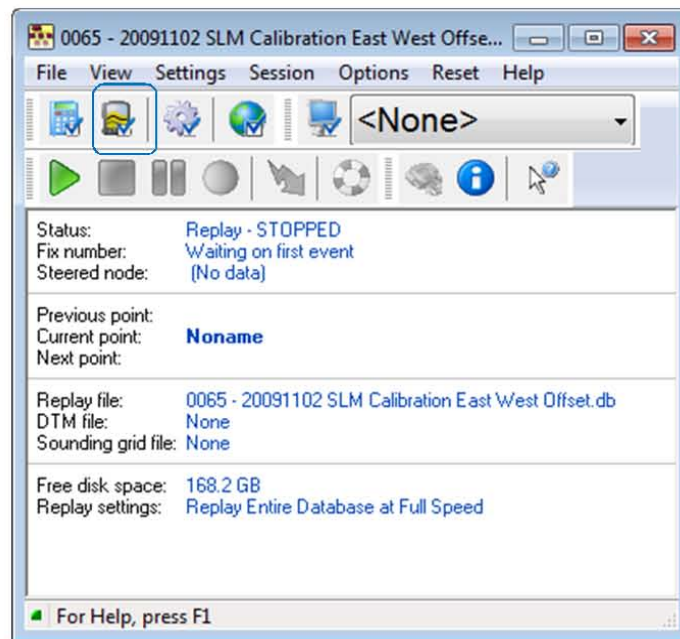


Figure 25: SLM Settings

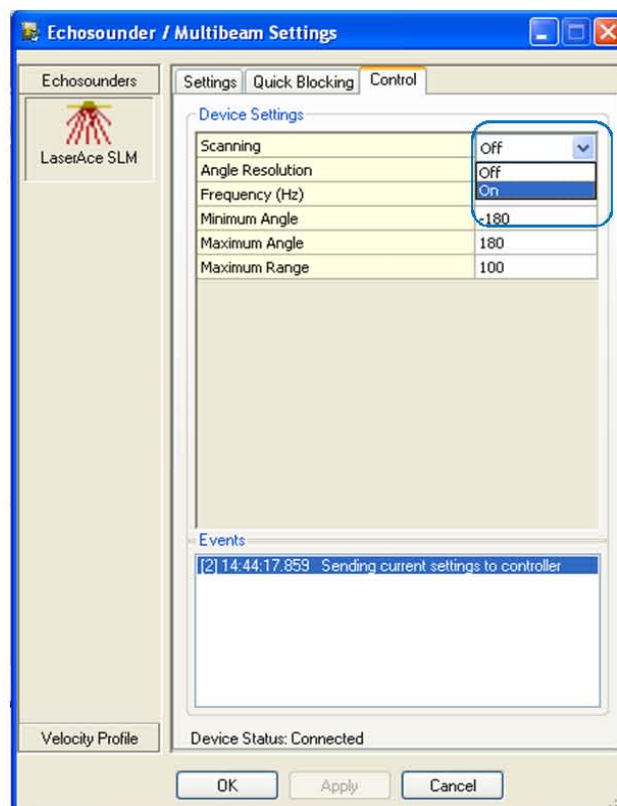


Figure 26: SLM Control – On/Off Frequency Selection

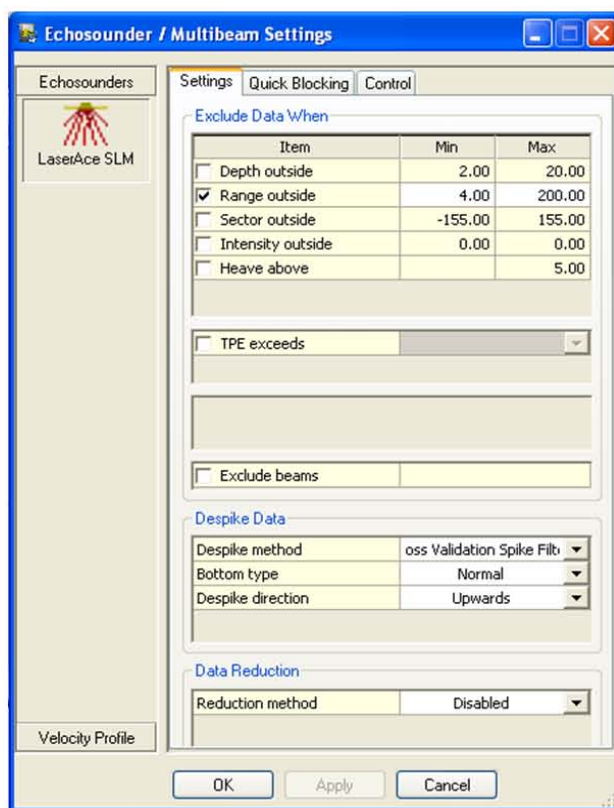


Figure 27: SLM Control – Filter Settings

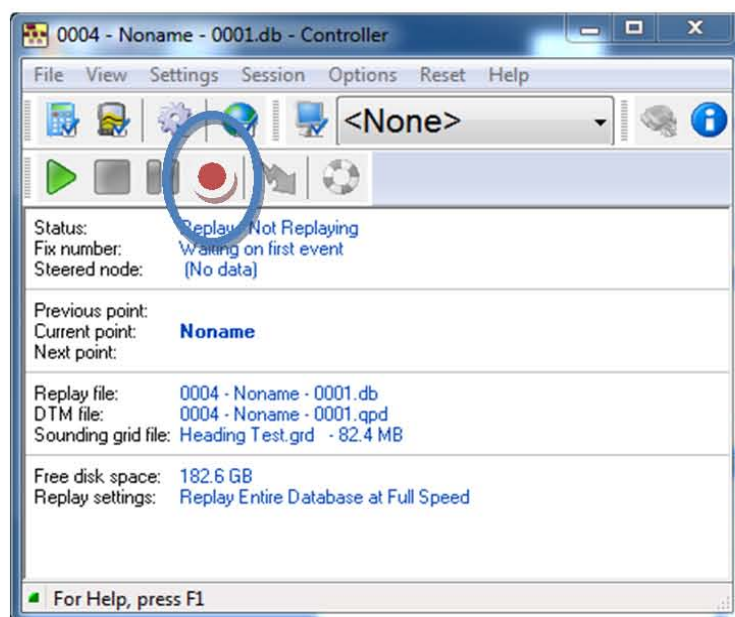


Figure 28: Start Recording

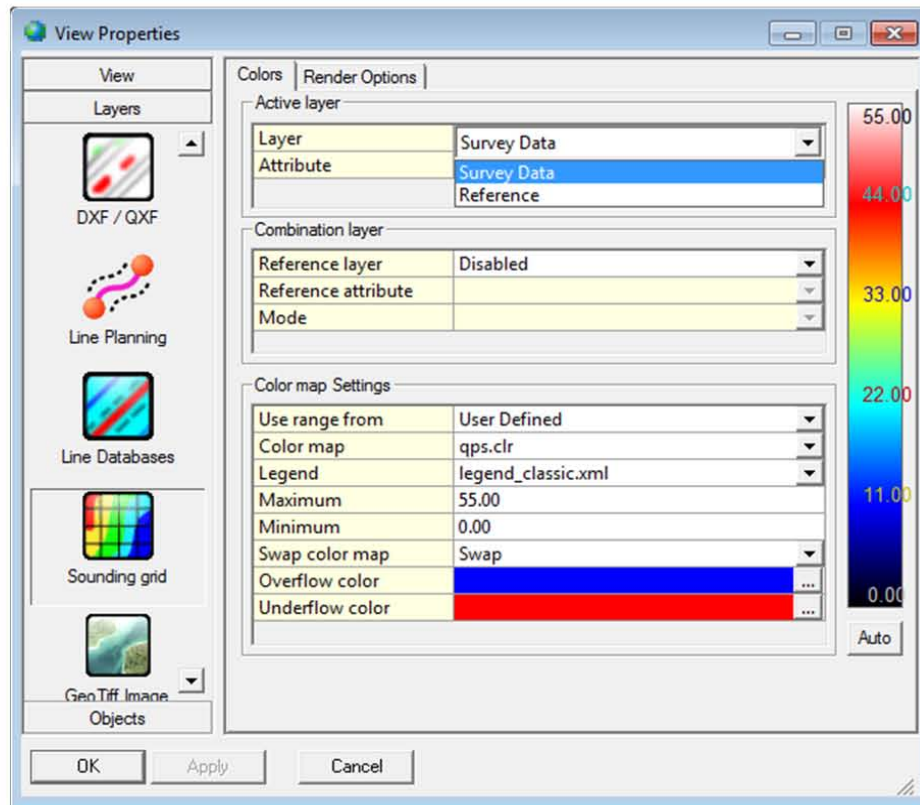


Figure 29: Sounding Grid Properties for Navigation Display – Click Auto for Best Results

9.0 Data Export Settings

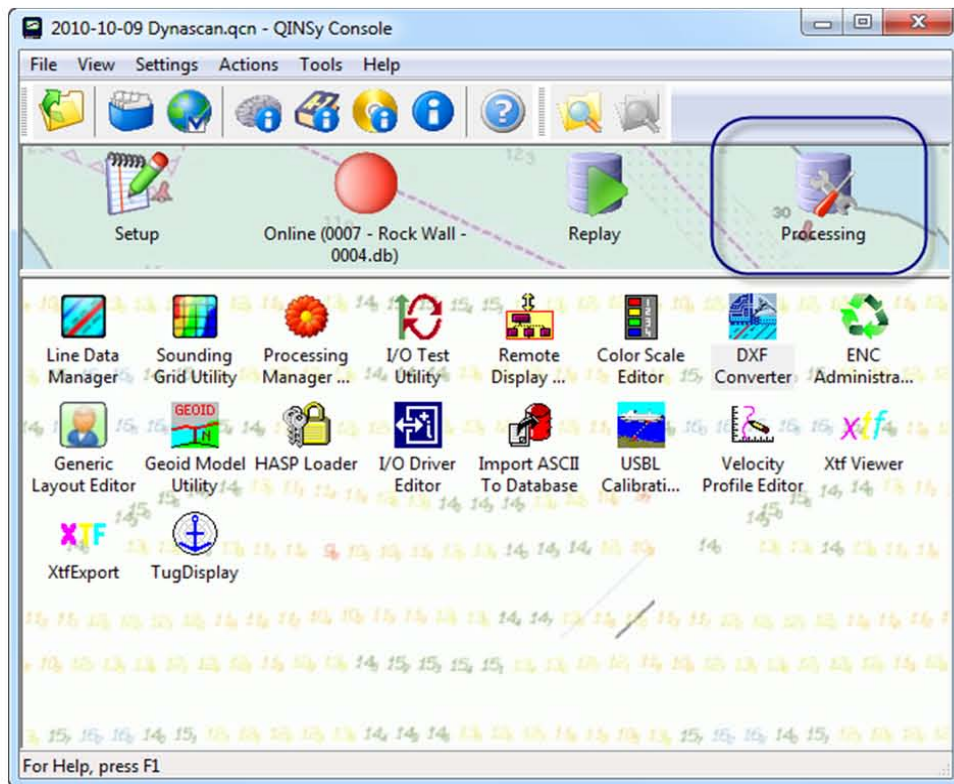


Figure 30: Start Processing

Notes:

- If you already set your DTM points to be logged as ASCII *.pts files in real time, you will not see them in the Processing Manager. (See Section 7.0 – DTM storage Page 14)
- If you want to include the Intensity and Quality of the DTM points in real time then be sure to select the Intensity and Quality option. (See Section 7.0 – DTM storage Page 14)

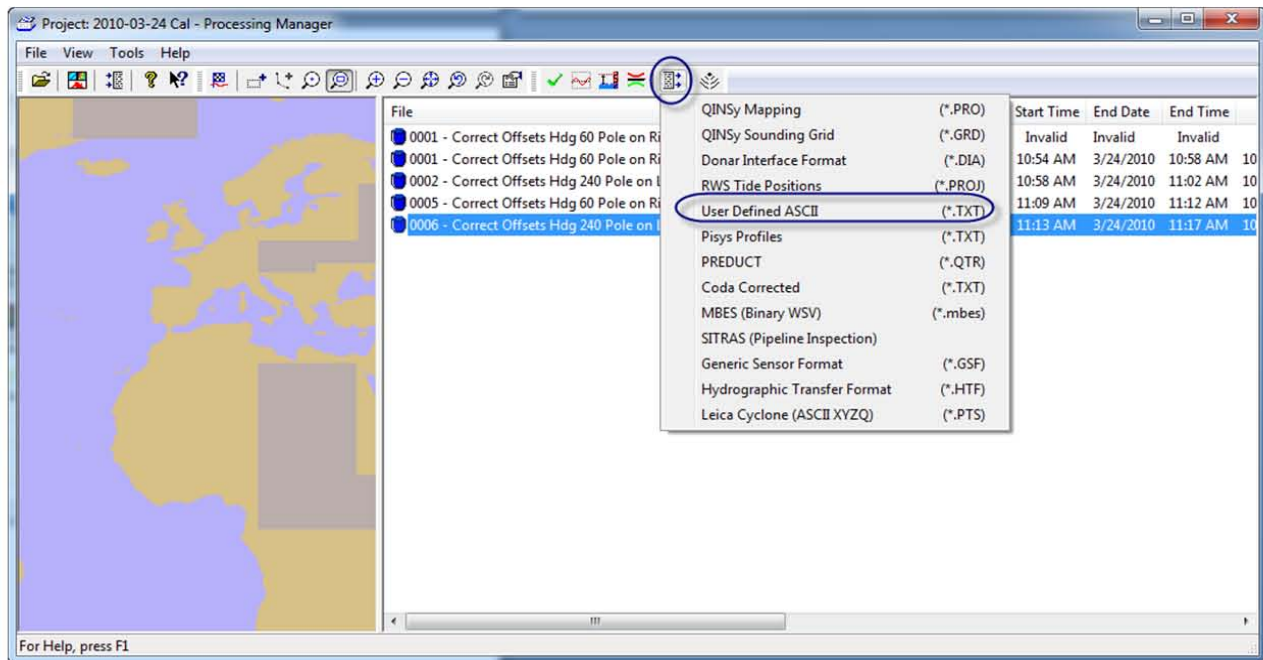


Figure 31: Select Files and Choose User Defined ASCII Export

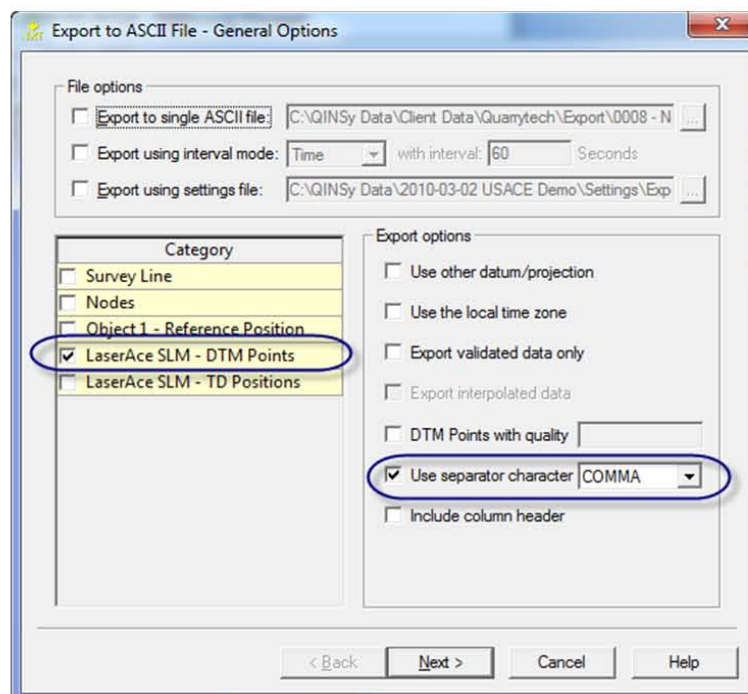


Figure 32: Export Laser SLM - DTM Points

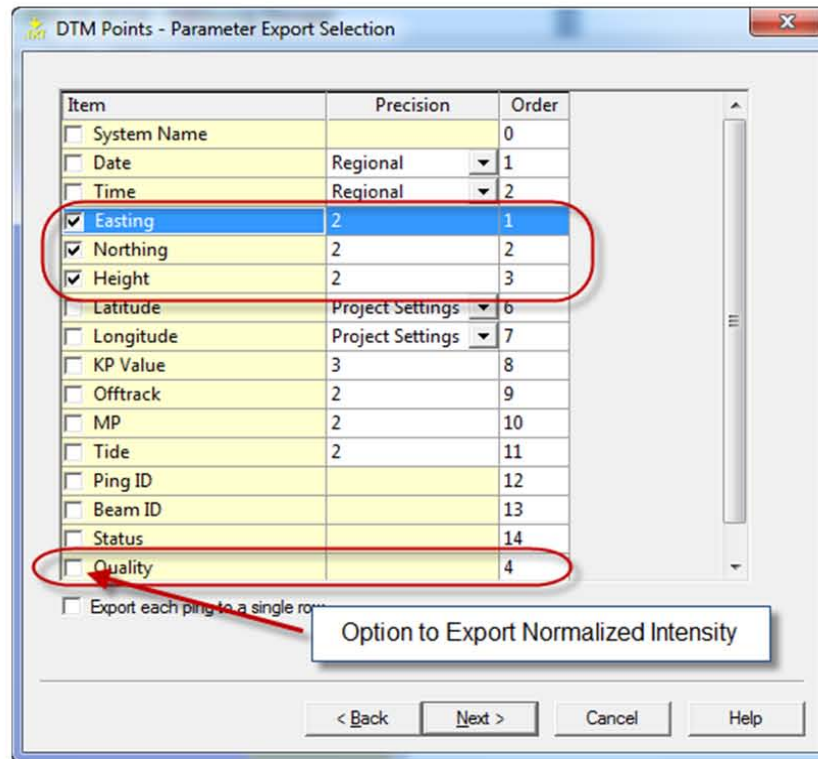


Figure 33: Select Parameters – E,N,H

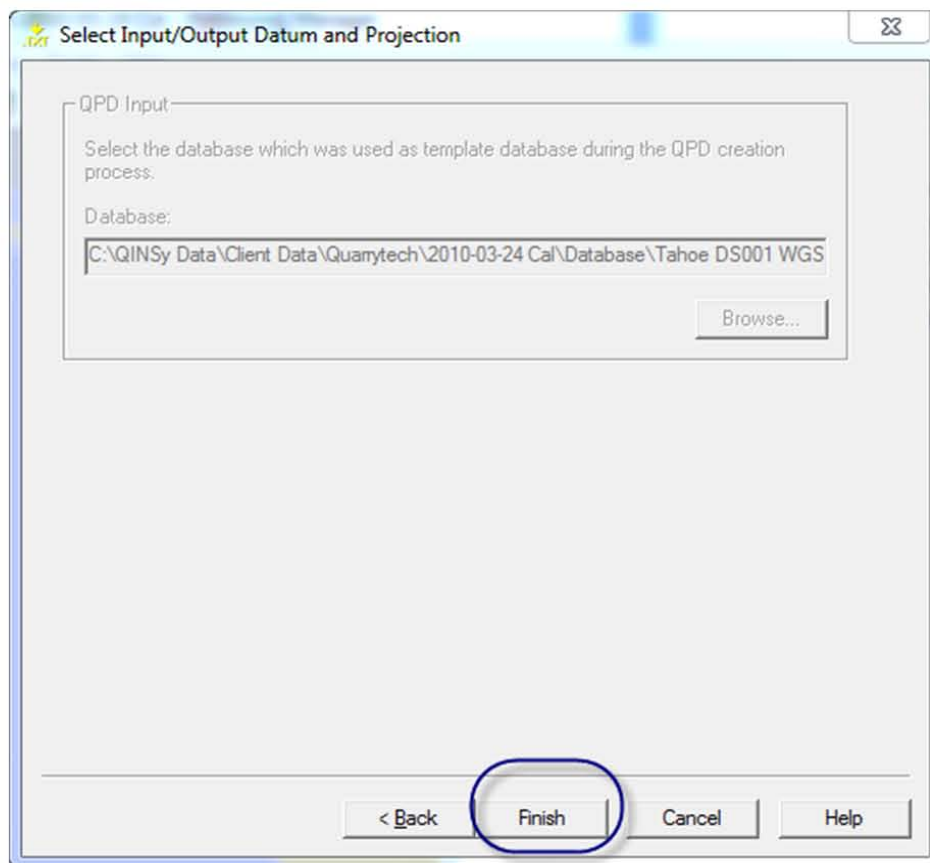


Figure 34: Select Database to use for Geodetics and Finish Export