Neptune 1.6 Features ♆

Applications:

- Laptop based QA/QC of 2D and 3D Seismic Positioning Data (Not for use with Q System)
- Verification of compliance with UKOOA Pl , P2 and SEG SPS published formats
- Comparison of results with contractor processed equivalent data
- Track line to line changes in Navigation system configuration.
- Binning of towed streamer 3D datasets.
- Project level positioning equipment performance and data trend analysis.

Key Features:

- Runs as full 32 bit application on Windows 2000, XP, Vista, Win7 (32&64)
- Neptune Navigator graphical User Interface for simple and intuitive data investigation and reporting functionality.
- Automated configuration of equipment definitions from P2 files header data.
- Multi-window survey configuration display, including map display and hierarchical folder and icon driven item investigation facilities.
- Standard Pl/90, P2/94 and SPS dataset format verification and error reporting.
- Automated monitoring and logging of P2 file header configuration changes during survey progress.
- User selectable and configurable, survey level data monitoring with automatic database creation and updating.
- Graphical views of all raw and filtered P2 datasets.
- Fixed and Flex Binning and coverage display of towed streamer positioning data files.
- Automatic and manual data gating, filtering and interpolation using graphical interface.
- Automated dynamic Speed of Sound calculation using one or more of three user selectable options, including inline Streamer acoustics, tail buoy acoustics or recorded Velocimeter data.
- Network results table displays quality assurance criteria including F-Test, Unit Variance, Mean Residual, SD Residual, Max Residual and Degrees of Freedom.
- Ability to import OBC acoustic pingers' data for use in receiver location determination.
- Scatter plot and time series comparison displays of positions between contractor and Neptune processed datasets.
- Batch processing of multiple UKOOA P2 and SEG SPS data files using user-defined processing flows.
- Graphical shot time interval displays. Graphical attribute mapping.
- Creation of final P190 processed datasets from Neptune derived positioning data.
- Reverse engineering of processed P190 data to produce pseudo-raw datasets.
- Raw and filtered data statistics calculation and combined graphical and tabulated results.
- Files Manager for organizing and collating project specific document and graphics files for archival and reference purposes.
- Journal Manager for manually recording details of timing, events and Navigation issues that occur during the course of a project.
- Contact Manager for recording and storing contact details of individuals related to a particular project.

Minimum Recommended System Requirements:

PC:1 GHz Pentium desktop or notebook computer running Windows 2000/XP/Win7, with 40Gb HDD, 1 GB RAM, CDROM, suitable data exchange/transfer medium and sufficient disk storage for project data.