

# Shot Time Correction

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# Switch to Shot Time Correction

The screenshot displays the Geogiga Front End software interface. The main window shows a seismic data plot with a vertical red line at approximately 75.0 seconds and a horizontal pink line at approximately 0.015 seconds. The plot's x-axis is labeled from 0.0 to 105.0, and the y-axis is labeled from 0.00 to 0.10. A file explorer on the left shows a directory structure including 'sample', 'reflect', and 'surface'. Below the explorer, a list of files is shown, with 'shot1\_07.dat' selected. The status bar at the bottom indicates 'Trace: 18, Base: 0.0146, Cur: 0.0146, Velocity: 120686.7 (m/s)'. On the right, a control panel is open, showing the 'Operation' tab. The 'Shot Time Correction' radio button is selected and circled in red. Other options include 'Gain Control...', 'Divergence Correction', and 'Normalize'. The 'Save' section shows the file name 'shot1\_07\_seg2.dat' and the directory 'C:/dataset/'.

# Adjust Shot Time

The screenshot displays the Geogiga Front End software interface. The main window shows a seismic data plot with a vertical red line at approximately 90.0 seconds and a horizontal blue line at approximately 0.0188 seconds. A red circle highlights the intersection of these lines. A yellow callout box with the text "( Refer to manual for detailed operation )" points to this intersection. The plot's x-axis is labeled from 0.0 to 105.0, and the y-axis is labeled from 0.00 to 0.10. The status bar at the bottom indicates "Trace: 24, Base: 0.0146, Cur: 0.0188, Velocity: 7965.0 (m/s)".

The 'Resample' dialog box is open on the right side of the window. It features the following controls:

- Operation:** Radio buttons for  Browse,  Regional Edit,  Single Trace, and  Multi-traces. The **Regional Edit** section includes radio buttons for  Above,  Below,  Inside, and  Outside, along with a **Reset** button.
- Commands:** Navigation buttons: **>>**, **<<**, **0**, **1/2**, and **+/-**.
- Buttons:** **Apply**, **Normalize**, **Undo**, and **Redo**.
- Display...:** **Print ...**, and **Save Image...**.
- Save:** **Format** dropdown set to **SEG-2**, **Directory** field set to **C:/dataset/**, **File Name** field set to **shot1\_07\_seg2.dat**, and a **Don't Change Name** checkbox. A **Save** button is present.
- Batch Define Geometry ...** and **Integrate ...** buttons.
- Help**, **About**, **Close**, and **Exit** buttons.

# Apply Correction

The screenshot displays the Geogiga Front End software interface. The main window shows a seismic data plot with a vertical red line at approximately 90.0 seconds and a horizontal pink line at approximately 0.02 seconds. The plot's x-axis is labeled from 0.0 to 105.0, and the y-axis is labeled from 0.00 to 0.10. A file explorer on the left shows a directory structure with files like 'shot1\_07.dat'. The right-hand side of the window features a 'Geometry' dialog box with the following elements:

- Operation:** Radio buttons for 'Browse', 'Regional Edit', 'Above', 'Below', 'Inside', and 'Outside'. The 'Regional Edit' section is active.
- Apply shot time correction:** A yellow callout box pointing to the 'Apply' button in the 'Regional Edit' section.
- Undo correction:** A yellow callout box pointing to the 'Undo' button in the 'Regional Edit' section.
- Buttons:** '>>', '<<', '0', '1/2', '+/-', 'Filter ...', 'Apply', 'Correction', 'Normalize', 'Undo', 'Redo', 'Display ...', 'Print ...', 'Save Image ...', 'Save', 'Format', 'Directory', 'File Name', 'Don't Change Name', 'Save', 'Batch Define Geometry ...', 'Integrate ...', 'Help', 'About', 'Close', 'Exit'.