



Main Features

- Easy use.
- PC Control, diagnostics and acquisition of all ASL downhole receivers and logging tools
- VSP and Passive Monitoring Operation
- Configurable multiple source location and survey design with automated report generation
- Dynamic Pick and Stack parameters
- Record replay
- Flexible trace display
- Comparative Spectral Analysis
- 3 Component Hodogram
- Raw/Stack plotting
- Depth Profile Display
- Automated job journal
- Simulator Mode for training.
- Multiple new features including: **Gapless Recording, Tool Roll and Inclination monitoring, Bypass Function, Enhanced Tool QC metrics, supports X-Series operation to increase number of tools.**

Functionality

- The Avalon Software Suite is a generic VSP data acquisition program that is used with any of the DCP or GSP controllers manufactured by Avalon Sciences.
- ACQ has had many years of continuous development, has acquired many hundreds of VSP and fracture monitoring surveys and is a mature, stable and powerful package.
- **X-Series** – ACQ 4 now accommodates the X-series Digital Geochain™ release which delivers gapless operation along with improved tool telemetry systems to increase either the number of available satellites or sample rate for maximum picking accuracy and recording bandwidth (both VSP and Microseismic).

*Tools require DFU and X-Series electronics.

- **Gapless Recording** - ACQ v4.6 supports X-series modules for gapless operation. When acquiring 'gapless' records there is no delay between individual MIRF files, allowing long periods of recording without loss of data.
- **Formatted Mode** - Formatted records are available when using complete X-Series electronics in combination with a DFU. Formatted operation allows an increase in the number of satellites available for a given tool sample rate.
- **MIRFview** - A utility program designed to allow the monitoring of both data quality and shot point coordinates during a walk-away VSP survey. However, its flexible display options make this program a useful tool for examining any MIRF dataset.
- **WellTrak** - This programme allows well geometries to be plotted dynamically with source and receiver shot point locations.
- **RSS-2 Software** - ACQ compatible user interface designed for source synchronisation, reference and timing signals when using multiple sources remote to the well head.
- **MIRF Events** - MIRFEvents is a utility program designed to scan long MIRF record files for events. Any detected events are output to a new and hopefully much more compact set of MIRF files. MIRFEvents is intended to perform the initial data reduction stage of fracture monitoring analysis.

ACQ Specifications

Version:	4.6
Operating System:	Windows 7 or 8 (Recommended)
Interface:	PC via USB port
Size:	Encoded multiple tone sequence
Compatible Tools:	All Geochain™ Product Range, Permaseis, Gamma, TCU-2, Downhole and Surface Analogue Trace Display.

Data Type Output MIRF-6 Easily convertible to SEG-Y

