



## 5. Instrumentation

Two Texas Instruments Binary Gain Digital Field Systems (DFS III) with 3 tape transports were used for all reflection recording. A Servo-Writer Profiler was utilized to obtain 100% (Near Trace Gather) subsurface coverage (uncorrected section) of 4 seconds duration, directly from monitor recording. Direct Read After Write (RAW) monitors were generated approximately every 3 shotpoints for quality control purposes.

A single DFS III system with 2 tape transports was used for all refraction recording. The survey was carried out using an Aquatronics Teleseis FM-Receiver, Model STR-70-12, and Aquatronics, Model SM-44, Sonabuys. The demodulated signal from the RM-Receiver was recorded on four channels in parallel on the DFS III system. No provision was made to record a separate water break.

Instrument tests were carried out prior to each day's operations and the results were examined in an analogue form in the field. These tests consisted of Dynamic Range Determination, Amplifier Noise Test and Automatic Gain Control (AGC) Test. Frequent checks on tape speed and skew were made.

A set of monthly tests were carried out prior to commencement of operations. These tests included Harmonic Distortion, Gain Linearity, Periodic Calibration checks, skew checks and the above-mentioned tests.