



D. INSTRUMENTS AND NOISE TESTS:

Instrument tests were carried out prior to each day's operations and the results were examined in an analog 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.

The tests were analysed in the Sydney, Australia Processing Centre using TIAC routines.

A streamer noise analysis was made at the beginning of each line shot. Some of these tests were recorded on tape.

E. FATHOMETER:

A Ross Model 400A fathometer was used. This model operates at 50 K Hz. An Elac Deneb Model LAZ 17DDL; AGN8 fathometer was also used. This model operates at 20 K Hz. and is mainly used in water depths greater than 400 fathoms. Each fathogram was identified by line number, direction shot, time and date of first shotpoints and scale. The fathograms were labelled every 12 pops. The zero line for the fathograms was not corrected for the ship's draught.