One Nansen cast was obtained on April 27, 1987 as a check for the correctors found using the TDC casts. The correctors for the Nansen Cast and the Martek, taken on the same day, were within 0.04 feet.

The Raytheon, Model DSF 6000N, Fathometer was usually operated on automatic high and low frequency gain settings. Any deviations from this were noted on the fathogram. In some areas the DSF 6000N trace showed many strays. This problem proved to be due to the automatic gain settings and manual settings were then employed. In most of the areas with strays, the bottom was still discernible and the strays that were separated from the bottom were considered erroneous. However, where the bottom trace was unclear due to strays, the data was rejected and rerun.

All graphic records were scanned and checked by trained field survey personnel. Peaks and deeps considered significant that occurred between regular intervals were inserted on the generated master tape or corrector tape.

Velocity tapes are provided with the survey data for application during smooth plotting at the Atlantic Marine Center. Velocity corrections were not applied to the field sheets. When velocity tapes were used to plot the data with the PDP8/e computer, erroneous soundings were plotted.

Velocity Table 1 is to be used with Raytheon 719-C Fathometer, S/N 7881. Tables 2 thru 6 are to be used with Raytheon DSF 6000N Fathometer, S/N 053N and Table 7 is to be used with Raytheon 719-C Fathometer, S/N 5799.

The final field sheets and the boat rough sheets were plotted using predicted tides for West Bay Creek, West Bay, corrected from the Pensacola Tide Station (No. 872-9840).

Actual tide heights were obtained from a tide station (No 872-9197) located at West Bay Creek, West Bay, lat. 30°17.6' N, long. 85°51.5' W. Smooth tides were requested from the Sea and Lake Levels Branch, N/OMA12, in a letter dated May 7, 1987.

Settlement and squat correctors were determined on December 9, 1986 for each launch using the level method. A copy of the field data and graphs of the settlement and squat correctors vs. RPM for each launch is included in the appendix. These correctors will be applied via the TC/TI tape during processing of the smooth sheet at the Atlantic Marine Center.