

Predicted tide correctors were then applied to the drag depths obtained. These predicted tide correctors were generated onboard with the ship's Digital PDP 11/34 computer and predicted tide tapes for 1984. These tide tapes were supplied to the ships by MOA 231. Hardcopy printouts of the predicted tide correctors used during this survey are included in the data file. See Appendix I for tide correctors.

The changes in effective depth that occurred during a drag were applied at the exact time of change. Fix interval for the launch drag work was two minutes, therefore some changes in effective depth occurred on the minute between fixes. When this occurred the time was interpolated and drawn in appropriately.

All detached positions were computed using the Geodetic Package - 800610 Program and the HP 9815A computer, S/N 1825A02388.

Tidal currents were closely monitored during the course of this survey, since launch dras operations were planned to run with the surface current. Comparisons were made with the Tidal Current Tables 1984, Atlantic Coast of North America for station 4746, 5.8 miles east of Wolf Trap Light.

In general, the times and strengths of maximum current and times of slack water agreed with the predicted times and strengths under normal conditions. However, this entire area is greatly influenced by North, Northwesterly and Southeasterly winds, which considerably prolong~~x~~ or reduce~~x~~ the tidal currents, depending on wind direction and duration.