

#### **B.5.4 Filters Applied**

All track line data has 45 degree filters applied to port and starboard sides. AWOIS data was cleaned with Caris subset and swath editors without any filters applied.

*The survey data of the AWOIS items is adequate to supersede charted data.*

#### **B.5.5 Critical Soundings**

Two critical sounding were identified (outstanding) for the purpose of feature creation by exporting to Pydro.

### **C. Vertical and Horizontal Control**

Per project instructions, zero-tides and DGPS correctors were applied. Therefore, this data is not sufficient to supersede previous chart sounding data.

#### **C.1 Vertical Control**

The vertical datum for this project is Mean Lower Low Water.

#### **C.2 Horizontal Control**

The horizontal datum for this project is North American Datum of 1983 (NAD83).

USCG Differential GPS correctors were applied to all positioning data. No record was kept as to which station was used at given times and locations. The hydrographer assumes that the DGPS receiver was configured to auto track the strongest station. The DGPS stations and frequencies listed are located along the trackline route. New Bern was most likely the station used for AWOIS items.

*The trackline portion of this survey did not meet Specifications and was not compiled. As explained in section A.3, the tidal range was small and only a portion of the allowable uncertainty for this offshore survey with a depth area of 90-135 meters. The survey data of the AWOIS items is adequate to supersede charted*