



**Figure 4: Absolute salinity versus conservative temperature diagram from all ACE CTD stations.** Blue dots are single CTD data values, gray contours show the density anomalies (+1000 kg/m<sup>3</sup>), and the dotted line shows the freezing line. The figure was created using the TEOS-10 GSW toolbox ([http://www.teos-10.org/pubs/gsw/html/gsw\\_contents.html](http://www.teos-10.org/pubs/gsw/html/gsw_contents.html)).