



**Figure 9.** Planned cruise track. The figure background is the bathymetry on the Tectonic Map of the Scotia Arc (BAS, 1985, Misc. 3). Cruise track plan is shown as a purple line, double where seismic profiling is planned. Also shown are locations of port call at Grytviken (open circle) and of proposed cGPS sites (stars). Boxes A and B show location of planned detailed survey and dredging (see text). The red circle in box B shows location of positive gravity anomaly described in text. Numbers in the East Scotia Sea are identified magnetic anomalies. Small red dots are earthquake epicenters. The thick broken line is the presumed western limit of ESS back-arc basin seafloor spreading.