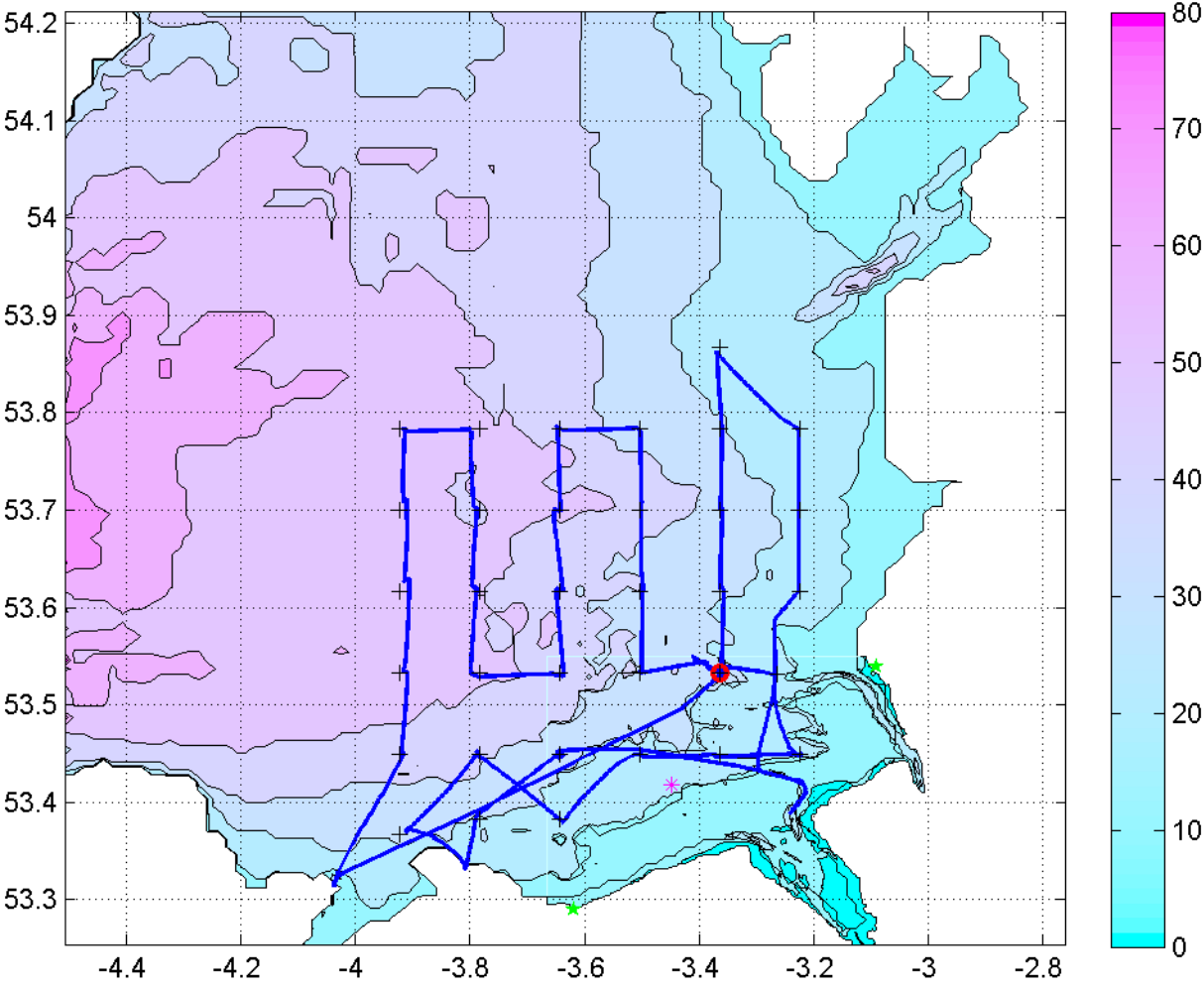Coastal Observatory cruise 39; 21 - 23 September 2006