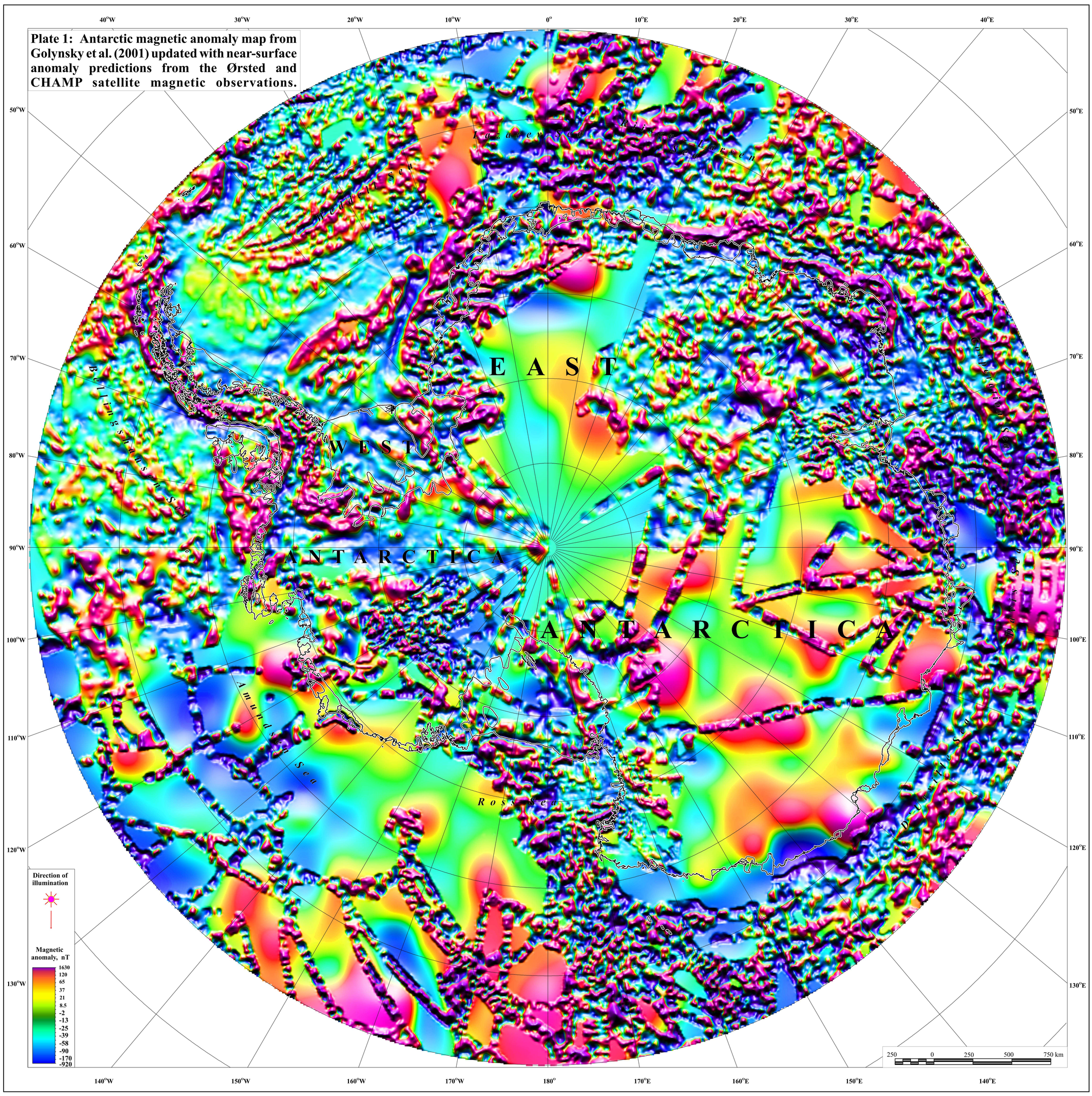U.S. Geological Survey and The National Academies; USGS OF-2007-1047, Short Research Paper 093; doi:10.3133/of2007-1047.srp093