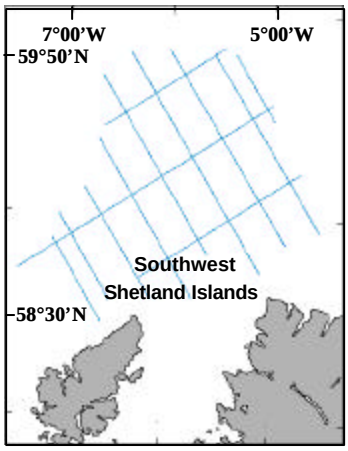
S.W. Shetlands, U.K.

Marine Gravity, Magnetics, and Bathymetry



Project Description

FUGRO-LCT, in conjunction with TGS-Nopec and CGG, is offering several non-exclusive gravity, magnetics, and bathymetry data packages. One set of data was acquired offshore Southwest Shetland Islands and is detailed on this flier. Additional sets of data acquired offshore Norway Tampen Northwest and offshore Norway North Viking Graben Tie Infill are detailed on a separate flier.

FUGRO-LCT acquired the gravity and magnetics data for the Southwest Shetland Islands survey and performed the processing of a total of 2,898 kilometers of magnetics, 2,983 kilometers of gravity, and 2,980 kilometers of bathymetry and navigation data.

The gravity data were acquired using a LaCoste & Romberg air-sea gravity meter, which is equipped with a ZLS control system. The ZLS system is fully digital and uses a real-time multi-tasking environment.

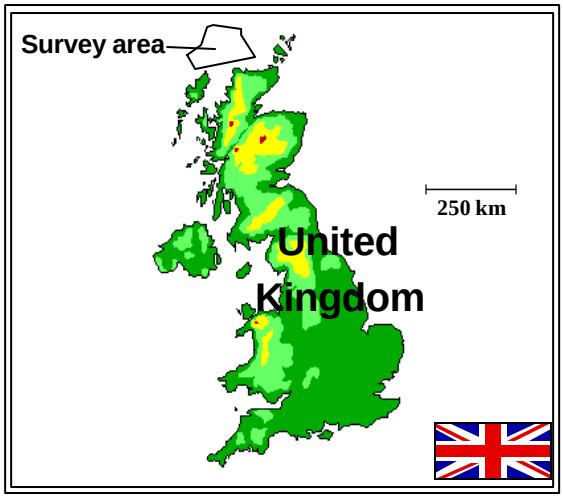
The magnetic data were acquired using a Geometrics G-801 proton precession magnetometer. The primary navigation system used was DGPS. The bathymetry data were acquired using a KA DESO 25 fathometer. Navigation and bathymetry data were recorded at each shotpoint on magnetic tape.

Final Products

Profiles: A variety of data types are provided, including water depth, raw gravity, Eötvös correction, free-air gravity, 3-D Bouguer gravity, adjusted Bouguer gravity, magnetic anomaly, and base station magnetics.

Color contour maps of bathymetry, free-air gravity, 3-D Bouguer gravity, and corrected magnetic anomaly are available.

Magnetic data tapes are available containing raw and reduced line-oriented data, grids of bathymetry, free-air gravity, Bouguer gravity, and magnetic anomaly. Data available in FUGRO-LCT "load and go" format.



FUGRO-LCT INC.
Attn: Brian Anderson
6100 Hillcroft, 5th Floor (77081)
P.O. Box 740010
Houston, TX 77274
Tel: (713) 369-6100 • Fax: (713) 369-6110
E-mail: info@lct.com

FUGRO-LCT LTD.
Attn: Stewart Walter
5 Newmarket Court
Kingston, Milton Keynes, MK10 0AG
U.K.
Tel: +44-(0)1908-286100 • Fax: +44(0)1908-286101
E-mail: info@fugro-lct.co.uk