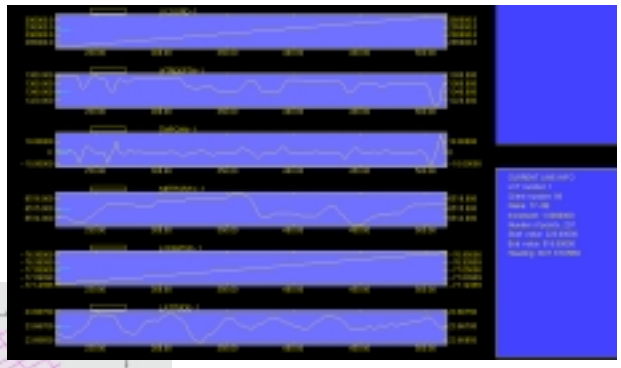
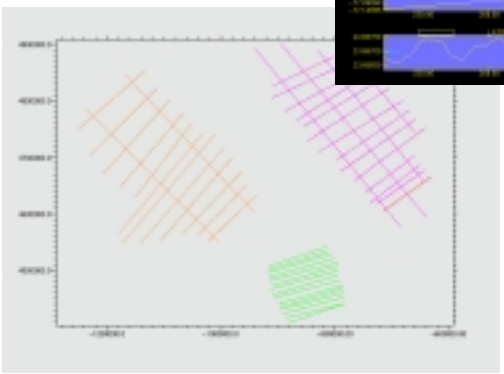
# FUGRO-LCT

# DATAPRO™

## Data Processing Software

DATAPRO is an interactive processing system for line-oriented gravity and magnetic data. DATAPRO provides tools for loading gravity and magnetic data into a database, processing the data, and interactively editing and displaying the data. Output from DATAPRO may be imported in to FUGRO-LCT's interactive gravity and magnetics interpretation programs. Using the latest advancements in data processing methodology and database management, this graphics-oriented processing system enables viewing, processing, and correction of data in substantially less time than is possible with non-graphics batch programs.





*Survey line location map and profile display.*

### DATAPRO Modules

**DATLOD™** loads an ASCII data file into DATAPRO, a line-oriented database. DATLOD supports time, shotpoint, fiducial, and distance based databases.

**DATPRO™** is an interactive data processing system for line-oriented gravity and magnetic data. DATPRO processes observed airborne/marine gravity and magnetic data for interpretation. The basic reduction steps translate observed data into filtered free-air gravity, 2-D Bouguer gravity and magnetic anomaly data.

**DPPROF™** is a processing program for providing CGM files from line-oriented data stored in the database.

**ADJLIN™** is a utility that calculates the exact location, on a time or distance basis, of all navigation line intersections. The system allows for systematic and random error proration of intersection misties.

**DPSCAN™**, an optional DATAPRO module, displays DATAPRO line-oriented data on a workstation monitor for interactive scanning and editing of data. Features include: interactive display of data channels, choice of lines to display, zoom/pan and scroll tools, scale editing and adjustment, data point removal and interpolation, and the ability to select lines from an on-screen display.

**DPDCOR™**, an optional DATAPRO module, provides the ability to interactively remove ship course, velocity, and diurnal variation effects.

### Freeware Utilities*

**PROJPT™** converts position coordinates between projection systems. A broad combination of projection types, spheroids, and projection units are available.

**IGRFPT™** calculates the inclination, declination and total magnetic field of the Earth, at a specific location on a given date. The estimates used in IGRFPT are obtained from International Geomagnetic Reference Field (IGRF) models.

*Provided to all FUGRO-LCT software users

**FUGRO-LCT INC.**
6100 Hillcroft
Houston, Texas 77081, U.S.A.
Tel: 713-272-5400
Fax: 713-272-5410
E-mail: info@lct.com

Web site: www.lct.com

**FUGRO-LCT Limited**
5 Newmarket Court
Kingston, Milton Keynes, England MK10 0AG
Tel: +44 (0) 1908-286100
Fax: +44 (0) 1908-286101
E-mail: staff@fugro-lct.co.uk