

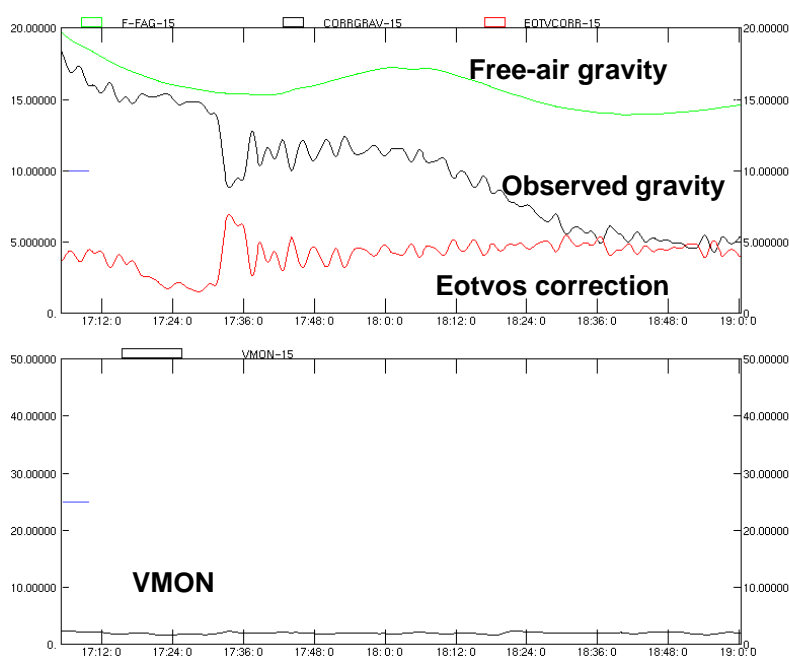
DATA SNAPSHOTS

When gravity or magnetic data acquisition is undertaken in conjunction with a seismic survey it is generally uneconomic to mobilise a geophysicist, workstation and software to undertake full data processing onboard the survey vessel. However, the onboard gravity and magnetics operator does not have the full processing and plotting capabilities, or indeed the time, to undertake a complete assessment of the data being recorded. The operator has a number of QC tools to monitor the functioning of the equipment but cannot easily apply sophisticated Eötvös cross-correlation routines or compare adjacent survey lines.

For this reason, as part of the INTEGRAV™ project management system, Fugro-LCT have introduced a system whereby data samples are transmitted from the survey vessel to the processing centre.

In the typical situation where acquisition is going smoothly without problems the operator would transmit a digital file containing a sample of typical data on a weekly basis. These data would be analysed, processed to free-air gravity stage and shown as a snapshot on the weekly INTEGRAV™ report.

If the operator suspects a malfunction in the gravity or magnetic equipment, in addition to immediate technical support, by sending in a data sample experienced processing geophysicists can fully analyse the data. It is then possible to reassure the operator as to data quality or if necessary recommend remedial action. Being the only company able to offer the full service capability of data acquisition, processing and interpretation, Fugro-LCT is uniquely placed to offer this level of support to their operators.



CURRENT LINE INFO
 LCT number: 15
 Client number: 0
 Name: 02-1012B-015
 Increment: 10
 Number of points: 1406
 Stored Data: *
 Start date: 2002120
 Start time: 170450
 End date: 2002120
 End time: 205900
 Charge data:
 Start date: 2002120
 Start time: 171540
 End date: 2002120
 End time: 204600
 Heading: 139.156

Typical data snapshot from a weekly Integrav report

One important aspect of the data snapshots is the inclusion of the **VMON** value. This is an objective assessment of how much the gravity meter is being disturbed by vessel motion and enables a clear assessment as to whether or not any noise seen in the processed gravity data is consistent with the current sea states.

FUGRO-LCT INC.
 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.
 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