

Badleys Badley Geoscience News

Issue 49, December 2011

TOPICS IN THIS NEWSLETTER

- Upcoming new features in TrapTester 6.1
- OCTek update

Upcoming features in TT6.1

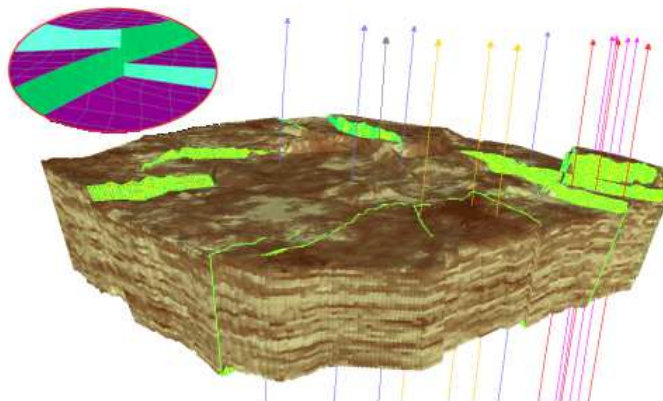
Coming in 2012



2012 will see the release of our latest upgrade, TT6.1, which will include new features and enhancements to the TrapTester system, and will be released to all maintained clients. One of the main enhancements is the upgrade to the EarthGrid system, allowing for conversion of TrapTester structural models to ECLIPSE-style corner-point-grids, which can further be populated with standard cell properties using a variety of interpolation/simulation methods. This and other enhancements are briefly described below. TT6.1 goes into formal testing early-2012. We will keep you informed about the final release date.

Corner-Point Gridding & Property Modelling

The EarthGrid Module introduces a system to generate corner-point grids from a TrapTester structural model. This new functionality allows users to preserve their structurally valid, interlocked fault-horizon framework model through to a static geocellular model which is ready for flow simulation. A key aspect of the functionality is the use of fault-fault branchlines to condition the pillar-grid geometries, allowing the creation of corner-point grids that honour the existing TrapTester structural model. Using petrophysical well logs, the geocellular models can be populated with reservoir attributes in order to produce 3D petrophysical models. The petrophysical models can be produced using deterministic methodologies (including Kriging and Multi-level B-Splines) and stochastic simulators (including sequential Gaussian simulation).



Conversion of a structurally valid framework model into a corner point grid is now possible, honouring the branch-line geometry. Also, the geocellular models can be populated with reservoir attributes.

Other new features include:

Badleys Calendar

Office Closed During Christmas Break

24th December - 2nd January

Badleys offices will close for the Christmas period on 24th December 2011, and will re-open on Tuesday 3rd January 2012. Please [email](#) us with any queries or requests for technical support. All messages sent to this address will be answered over the Christmas period. We would like to thank all our customers for a great 2011, and wish them continued success in 2012.

TSG 2012

4-6 January 2012
Edinburgh, UK

Badleys is sponsoring the TSG 2012 meeting, to be held in Edinburgh. The TSG Annual Meeting, which has run each year since 1970, is the UK's premier research-in-progress meeting concerned with all aspects of Structural Geology and Tectonics. Visit the TSG 2012 [website](#) for more info.

AAPG ACE 2012

22 - 25 April
Long Beach, USA

Badleys will have a strong presence at the AAPG to be held in Long Beach, USA. We will be exhibiting with our Upstream Alliance partner Midland Valley. More details will follow in our future newsletters. Visit the [AAPG website](#) for more info.

Fault-seal & TrapTester training courses

25 - 29 June
Badleys HQ
Hundleby, UK

We will be running our annual Fault-Seal Analysis and Introduction to TrapTester in-house training courses in June. See our future newsletters and our [website](#) for more details.

AAPG ICE 2012

16 - 19 September
Singapore

Badleys will be exhibiting and presenting at the 2012 International AAPG Conference. More details will follow in future newsletters. Visit the AAPG ICE [website](#) for more info.

- OpenSpirit Link: A totally revamped OpenSpirit link permitting cross-platform data transfer into TT.
- Volume Editor - Centralised Data Manager: All Modules now use a single Data-Manager window for data loading.
- Data-Offset Tool: Extended to handle more fault & horizon object types and included as a standard feature in the TT-Utilities menu.
- Well Editor: New well curve processing tool to allow computation of discretised attributes such as net-to-gross.
- Plus - many minor enhancements, upgrades and stability improvements.

OCTek Atlantic, Asia-Pacific and Indian Ocean all now available

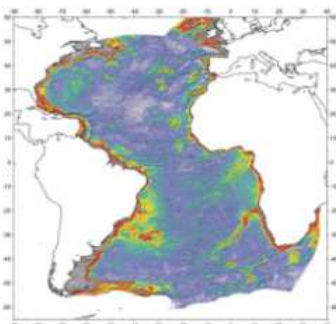


In 2011 we completed Phase-II and Phase-III of the OCTek gravity inversion project, mapping the Ocean-Continent-Transition at global rifted margins.

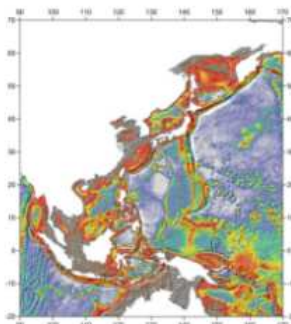
The OCTek project is a collaboration between Badley Geoscience and Prof. Nick Kusznir of Liverpool University. OCTek uses the gravity inversion technology developed by Nick to map crustal thicknesses, Moho depth and stretching factors at global rifted margins, using publically-available gravity, bathymetry and sediment-thickness information. The results are provided as maps and grids together with a comprehensive report.

Three individual OCTek studies are now complete and their reports are available. We hope that one or all of the OCTek studies may be of interest to you. An OCTek overview presentation can be made available for those who would like to know more. We are, of course, also available to discuss any of the projects in more detail, particularly so via the medium of a web meeting into your own office. For more information, please contact Alan Roberts by [email](mailto:alan.roberts@badleygeoscience.com) or by phone (+44 1790 753 472).

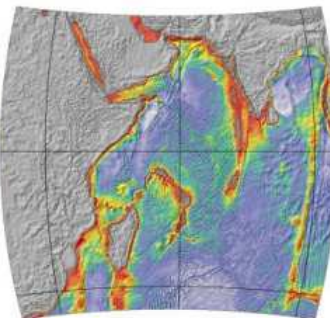
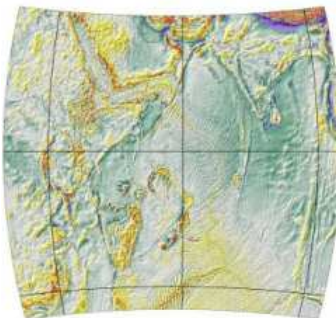
1 - OCTek Atlantic



2 - OCTek Asia-Pacific



3 - OCTek Indian Ocean



The top images show crustal thicknesses with shaded gravity overlay for OCTek Atlantic (left) and OCTek Asia-Pacific (right). The bottom images show satellite Free-Air gravity with shaded relief (left) and crustal thickness with shaded gravity overlay (right) for OCTek Indian Ocean.

Future OCTek plans

Now that OCTek Indian Ocean has been completed we are embarking upon OCTek Arctic-North Atlantic, which will extend south from the Arctic to link up with the northern limit of the OCTek Atlantic study. The Labrador Sea, Baffin Bay and Norwegian/Greenland margin will be included in this study.

3rd Fault & Top Seal Conference
1-3 October
Montpellier, France

The 3rd International Conference on Fault and Top Seals will inform participants of the state of the art in fault and top seal analysis for both research and industry applications. More details on this conference will follow in future newsletters. More info can be found on the [conference website](#). Badleys is sponsoring the meeting and will have a strong presence.



Further background information about OCTek can be found on our [website](#) and in the publications and documents available from this page.

If you are unable to view images in this newsletter, a .pdf is available from our [website](#). Please send us your [feedback and comments](#). To unsubscribe from this newsletter please click [here](#).

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