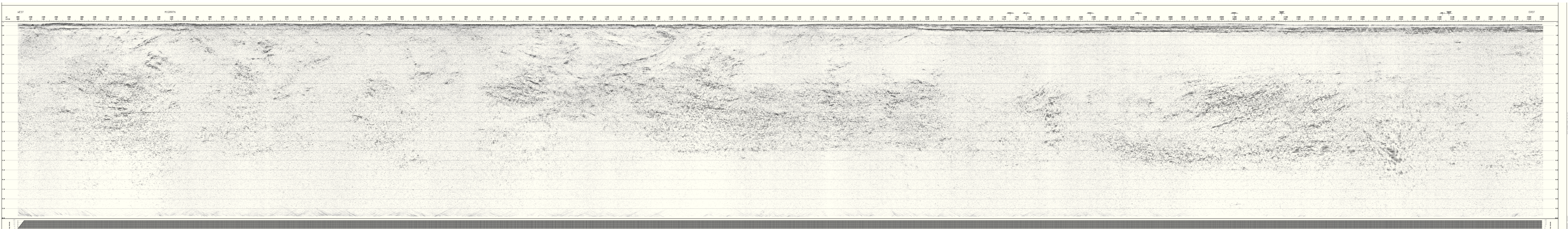
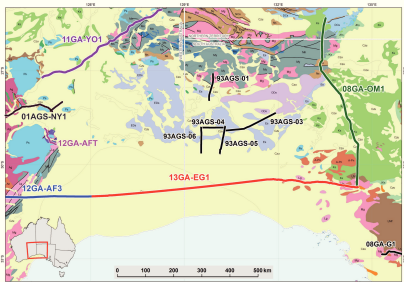


EUCLA–GAWLER DEEP CRUSTAL SEISMIC REFLECTION SURVEY: 13GA-EG1

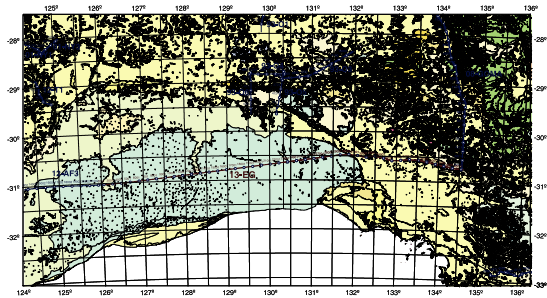


Preliminary migrated image of the western part of deep crustal seismic reflection line 13GA-EG1



Location of the Eucla–Gawler seismic transect (red) overlain on the geology map of Australia, with previous deep crustal seismic transects shown. 13GA-EG1 joined 12GA-AF3 at Hail in Western Australia, and follows the Trans Australia Railway across the South Australian border through to Tarcoola, where it joined the 08-GOMA seismic line.

Eucla–Gawler and neighbouring reflection lines

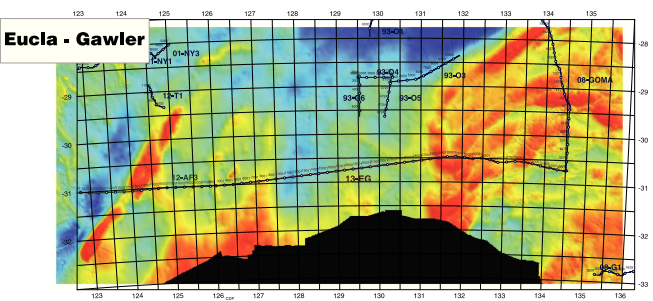


Surface geology map showing the location of 13GA-EG1 with CDPs (common depth points) for comparison with the seismic image, and locations of neighbouring seismic reflection lines.

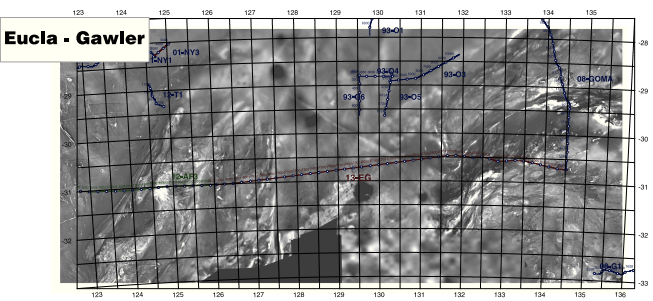
The Eucla–Gawler deep crustal seismic reflection line and MT surveys were conducted across Western Australia's Nullarbor region during 2013 to February 2014. This 870-kilometre transect along the Trans-Australian Railway fills a gap in seismic coverage, completing a string of deep-crustal seismic transects that stretch from west to east across the Australian continent.

Processing of the 13GA-EG1 seismic data is nearing completion at Geoscience Australia, and final data will be released in the coming months. The first interpretation of the seismic line, in conjunction with the MT data and gravity and magnetic data interpretations will be presented at a dedicated session at the Australian Earth Science Convention, Adelaide, June 26th to 30th, 2016. See <http://laesc2016.gsa.org.au/> for details.

The interpretation of the eastern part of 13GA-EG1 traversing the Gawler Craton was released in December 2015, and the results reported in: What lies beneath the Western Gawler Craton? 13GA-EG1 Seismic and Magnetotelluric Workshop 2015 compiled by RA Dutch, MJ Pawley and TW Wise: Report Book 2015/00029, Department of State Development, South Australia, Adelaide, 63p.



Gravity image showing the location of 13GA-EG1 with CDPs (common depth points) for comparison with the seismic image, and locations of neighbouring seismic reflection lines.



Aeromagnetic image showing the location of 13GA-EG1 with CDPs (common depth points) for comparison with the seismic image, and locations of neighbouring seismic reflection lines.

For more information on the content of this poster, contact Catherine Spaggiari: Catherine.SPAGGIARI@dmp.wa.gov.au