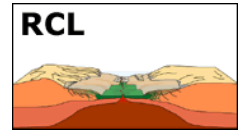


Seismic Imaging of New Transitional Crust in the Salton Trough Oblique Rift



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This project has just started, so we are still in the planning stages for the seismic experiment which will take place in early 2010. We expect the experiment (an active source seismic survey of the Salton Trough & Coachella Valley) to provide new information on the process of formation of transitional crust on this part of the Pacific-North America rift system.

Figure: Map of proposed seismic survey. Triangles are large (1000-3000 lb) shots that would be recorded on all of the receiver lines (red and black lines). Additional smaller (250 lb) shots would be used at 2 km (thick red lines) to 4 km (thin red lines) spacing for low-fold reflection and very dense refraction data. Black lines are receivers only. Note that this map is schematic: actual field plans will depend upon logistics and scientific re-tuning, which are underway.

