



Seismic Environmental Challenges

Geophysical Solutions

▼ When access is limited – use crooked line 2D processing

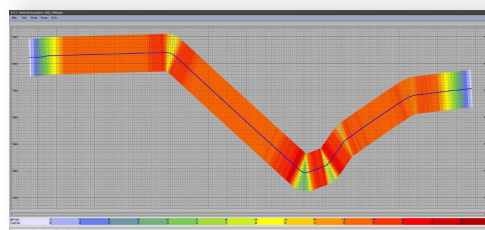
Gaining access is a growing challenge due to environmental restrictions (Cultural Heritage exclusions, mountainous terrain, jungle, river, built up areas etc.). Our solution is Crooked Line Acquisition and RPM™ processing. Source and receiver do not have to be coincident. When used with Nodal in difficult areas, imaging is greatly enhanced beneath exclusion zones and anywhere where access is limited.

▼ When 3D is irregular – solution is RPM™ processing

3D data can not always be acquired on a perfect regular grid. Kirchhoff notoriously struggles with irregular and sparse data. RPM™ with its different implementation needs no binning or interpolation and can cope with irregular input data.

▼ RPM™ vs. 5D – Matched results without the drawbacks

The current solution to seismic in environmentally restricted areas (and irregular data) has been 5D interpolation. Unfortunately binning and 5D blurs the data. In tests RPM™ produced equivalent results to 5D - with NONE of the drawbacks. When 5D does not live up to expectations RPM™ is the solution of choice.



Crooked Line acquisition and processing

