

3D Data Merge and Mega-Merge

When to Merge and not to Merge

It is always best to merge adjacent and overlapping surveys into one 3D. This avoids a patchwork of potentially different orientations, grid geometries, processing flows, overlaps and separate interpretations. With RPM™ the output bin size and orientation is fully definable, or can use one of the surveys. The result is a single, better interpretation completed faster. Our RPM™ protocol for pre-stack merge continually benefits the client in : -

Speed and Cost

With RPM™ there is no need for 5D interpolation and no need for regularisation. Hence speed of merging is unique. We can take on small or large projects, start quickly and deliver the merged volume in less time and at lower cost.

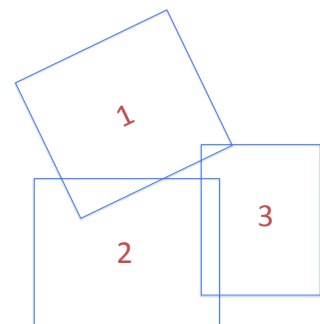
Quality

Because with RPM™ there is no need for re-binning, there is no smear. RPM™ is designed to handle irregular data. Pre-stack merge generally requires all surveys to be reprocessed unless pre-migration gathers are available. We carefully balance and match phase, amplitude, frequency and time of each survey by pre-processing a line through all surveys. We liaise with you to decide on the optimal cut and merge location which is allocated by mid-point trace. And the data can be QC'd by exporting any transect through wells to test well ties.

Expertise

We have established the resources, expertise and state-of-the-art software to process today's large and structurally complex data volumes. We continually invest in the development of our own proprietary software and tools. RPM™ is ideal for pre-stack merge because it tracks the source and receiver locations exactly without binning. This greatly improves quality especially for shallow data and irregularly or poorly sampled data. We merge both marine and land data. Or if you prefer we can merge post-stack – a simpler and quicker solution.

Fast and Efficient 3D land and marine data merging



SEISMIC MADE CLEARER™

AusGeos Pty Ltd AusGeos.com.au 0423 153 122