

The Iterative Processing Framework: A New Paradigm for Automatic Event Building

Highlight: To reduce the human-analyst workload during the seismic event building process, rather than a traditional linear pipeline, we are proposing an Iterative Processing Framework (IPF) that incorporates automatic analyst behaviors.

Test results suggest that IPF performs better than traditional pipelines. Most of the additional events built by IPF are low-magnitude events that were missed by the traditional processing pipelines.

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