

Chevron, Gulf of Mexico dataset

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ABSTRACT

This dataset comprises a movie file `channels.T` of the Gulf of Mexico dataset donated by Chevron. Time-slices show remarkably clear images of various stratigraphic features: fluvial channels (Figures 1 and 2), a canyon (Figure 3), and some possible beaches.

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CHEVRON, GULF OF MEXICO DATASET

Raw Data /james/DATA/CPTC_DATA/chev230.HH

Velocity Model

Stack

Zero-offset Migration

Usage Reservoir characterization (Rickett and Lumley, 1998)

Geometry

```
/james/DATA/CPTC_DATA/chev230.HH:  
  in="/james/DATA/CPTC_DATA/chev230.HH@"  
  expands to in="/james/DATA/CPTC_DATA/chev230.HH@"  
  esize=4?  
  n1=1001 n2=551 n3=451  
           248749501 elem           994998004 bytes  
  d1=0.006      d2=41.01      d3=41.01  
  o1=0      o2=25995.4      o3=-33788.2  
  label1=sec  
  label2=ft  
  label3=ft
```

Problem

History of Data Donated to SEP by Chevron

Preprocessing

Proprietary Considerations Only for SEP internal use. Chevron should be acknowledged whenever the data is shown, and nothing should be said about its location other than 'Gulf of Mexico'

REFERENCES

Rickett, J., and Lumley, D., 1998, A cross-equalization processing flow for off-the-shelf 4-D seismic data: SEP-97, 265-274.

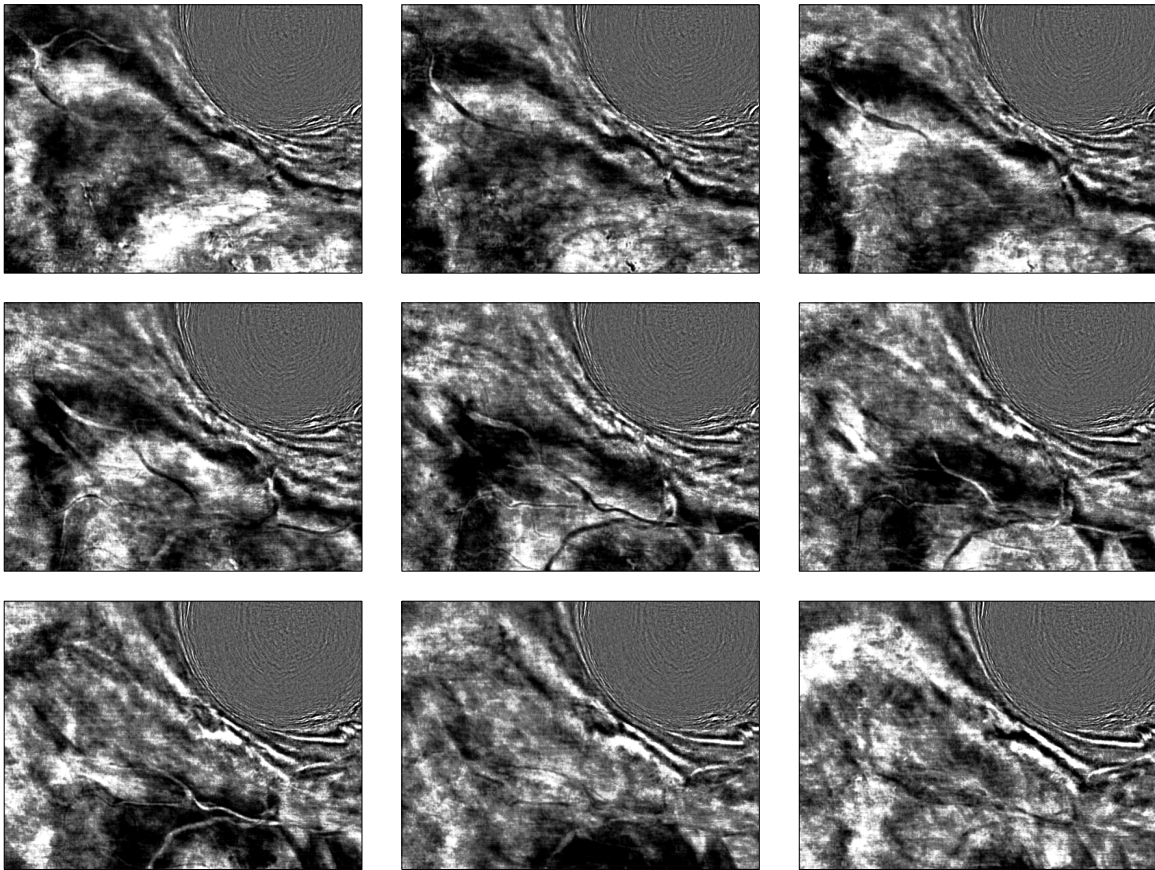


Figure 1: Time-slices at about 1.36 seconds `chevron-gom-canyon-chan1` [ER,M]

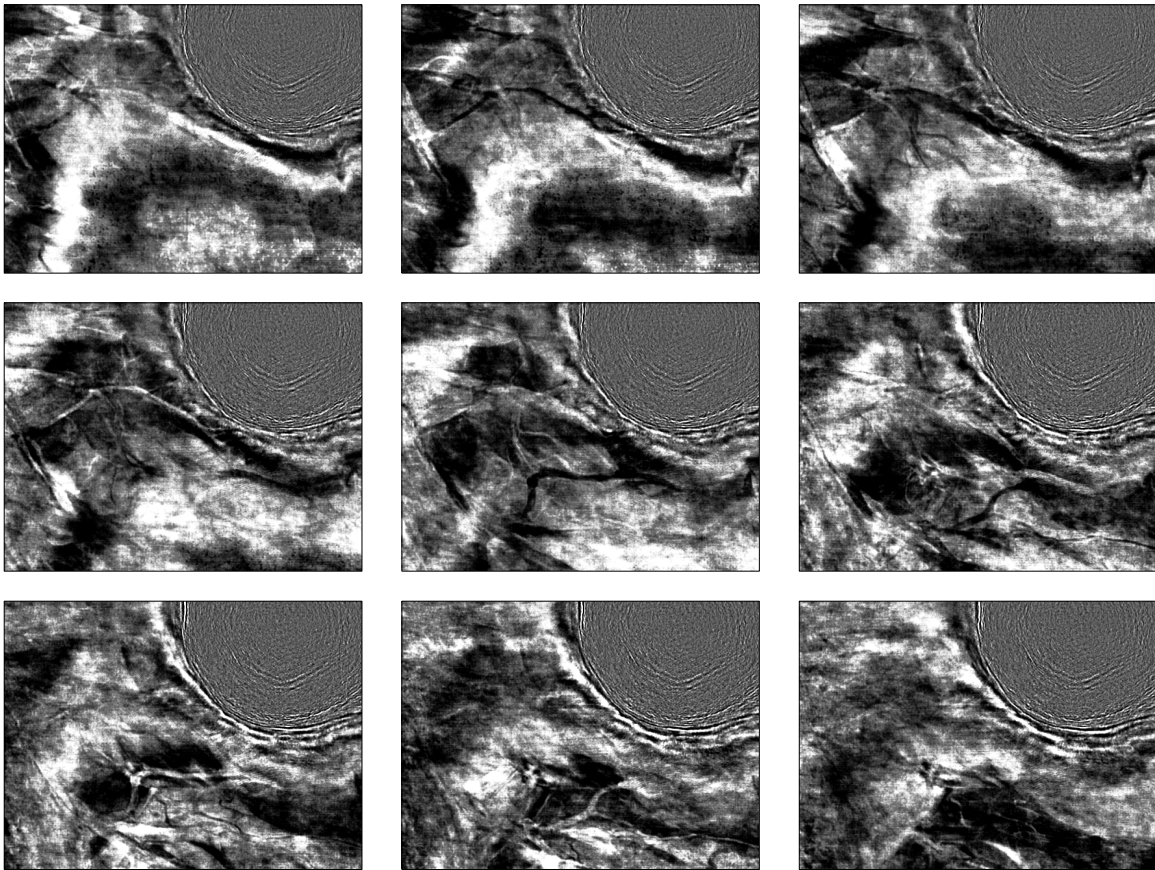


Figure 2: Time-slices at about 0.864 seconds `chevron-gom-canyon-chan2` [ER,M]

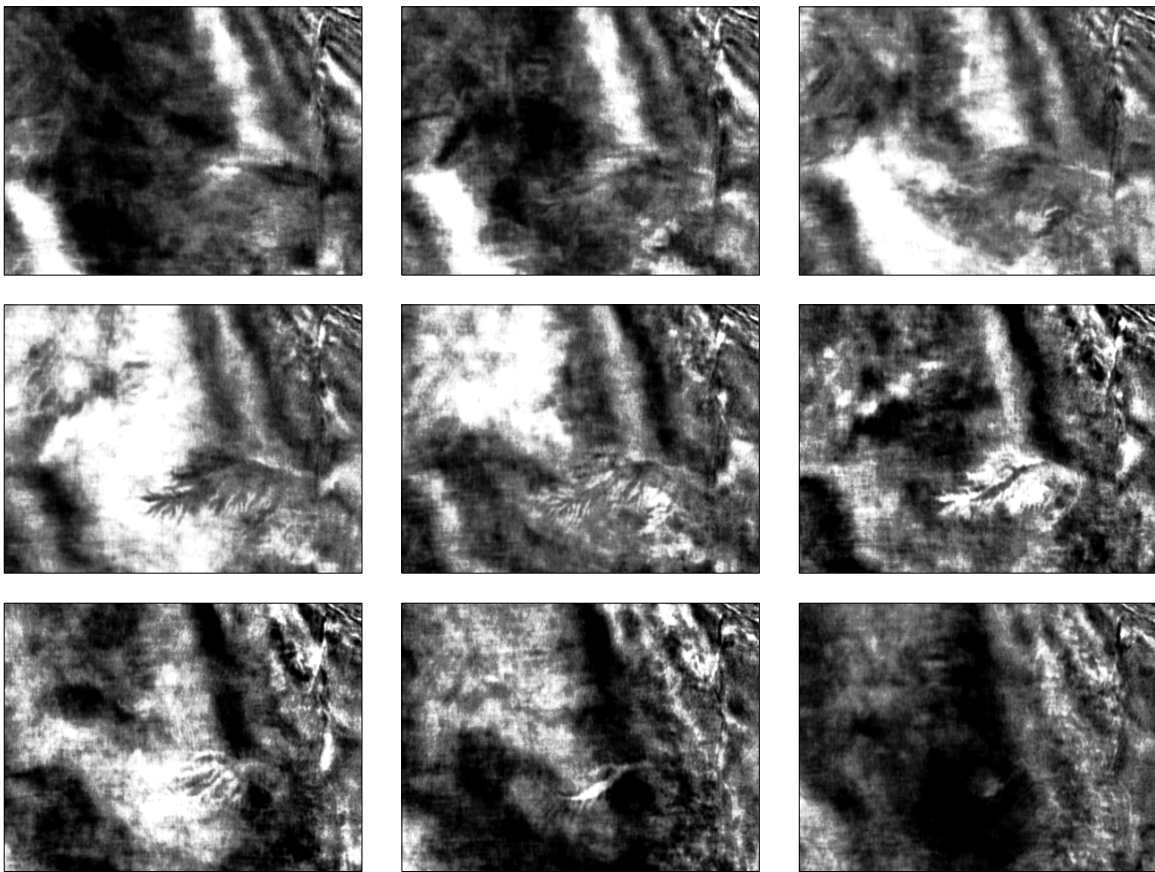


Figure 3: Time-slices at about 1.81 seconds `chevron-gom-canyon-canyon` [ER,M]

