

## Ocean bottom gulf

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### ABSTRACT

3-D dataset from Unocal, ocean bottom cable

### UNOCAL GOM DATA

**Raw Data** On tape (Ocean bottom cable - Unocal) **Velocity Model** data\_3docean\_bottom\_cable

**Dmo Stack** data\_3docean\_bottom\_cable/dmo\_data.H

**Usage** Never used at SEP **Geometry**

```
-----
                ***** shoal_sort.H *****
          4 -esize           Unsynced           data_format-xdr_float
-----
n1=1750                o1=0.000000           d1=0.004000           label1=time
n2=5063821            o2=1.000000           d2=1.000000           label2=trace number
Data: in=./pt1.H@;/scrsa3/bob/pt2.H@
Binary file does not exist
-----
keynumber=1           keytype=scalar_int           keyname=sx
keynumber=2           keytype=scalar_int           keyname=sy
keynumber=3           keytype=scalar_int           keyname=gx
keynumber=4           keytype=scalar_int           keyname=gy
keynumber=5           keytype=scalar_int           keyname=cdp
keynumber=6           keytype=scalar_int           keyname=offset
keynumber=7           keytype=scalar_int           keyname=sstat
keynumber=8           keytype=scalar_int           keyname=gstat
keynumber=9           keytype=scalar_int           keyname=data_record_number
keynumber=10          keytype=scalar_float         keyname=s_x
keynumber=11          keytype=scalar_float         keyname=g_x
keynumber=12          keytype=scalar_float         keyname=s_y
keynumber=13          keytype=scalar_float         keyname=g_y
keynumber=14          keytype=scalar_float         keyname=offset_x
keynumber=15          keytype=scalar_float         keyname=cmp_x
```

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```

keynumber=16      keytype=scalar_float    keyname=offset_y
keynumber=17      keytype=scalar_float    keyname=cmp_y
keynumber=18      keytype=scalar_float    keyname=azimuth
n2=5063821       o2=1.000000           d2=1.000000           label2=trace_number
Headers in=/scrsa6/bob/shoal_sort.H@@@
  91148778 elements,  364595112 bytes in data file
-----
grid axis2       n2=10      o2=1.000000      d2=1.000000      label2=trace_in_bin
grid axis3       n3=16      o3=-2900.000000      d3=400.000000    label3=offset_x
grid axis4       n4=71      o4=-14000.000000     d4=400.000000    label4=offset_y
grid axis5       n5=168           o5=200.000000      d5=200.000000    label5=cmp_x
grid axis6       n6=250           o6=300.000000      d6=200.000000    label6=cmp_y
Grid   in=/scrsa6/bob/shoal_sort.H@@@@
  477120000 elements,  1908480000 bytes in data file
-----

```

**Problem** Velocity, Imaging

**History of Data** Gift from Unocal (1996), acquired offshore GOM (1992).

**Preprocessing** ????

**Proprietary Considerations** ?????

## REFERENCES

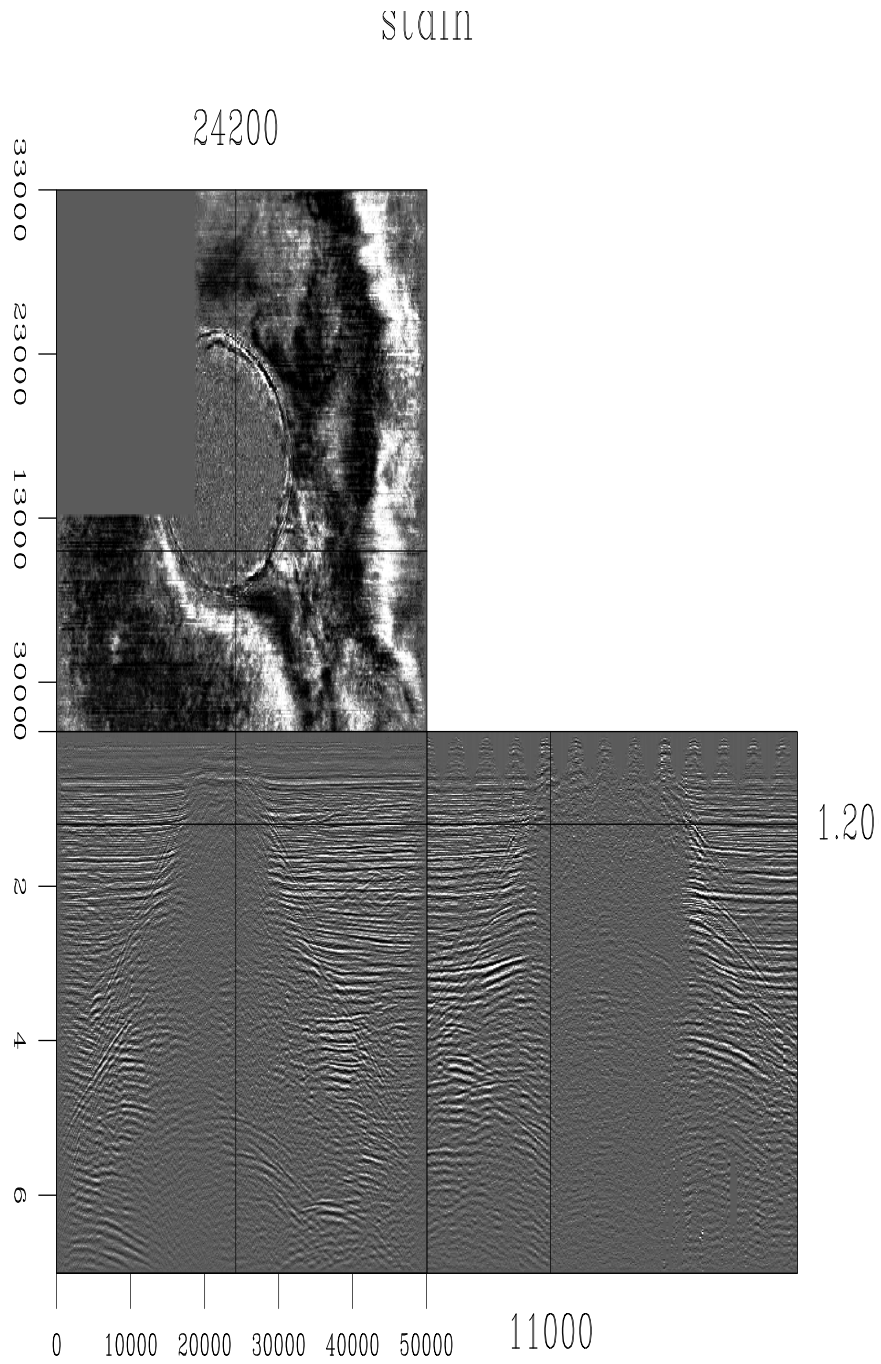


Figure 1: Dmo stack `ocean-bottom-gulf-3d-dmo-cube` [ER]

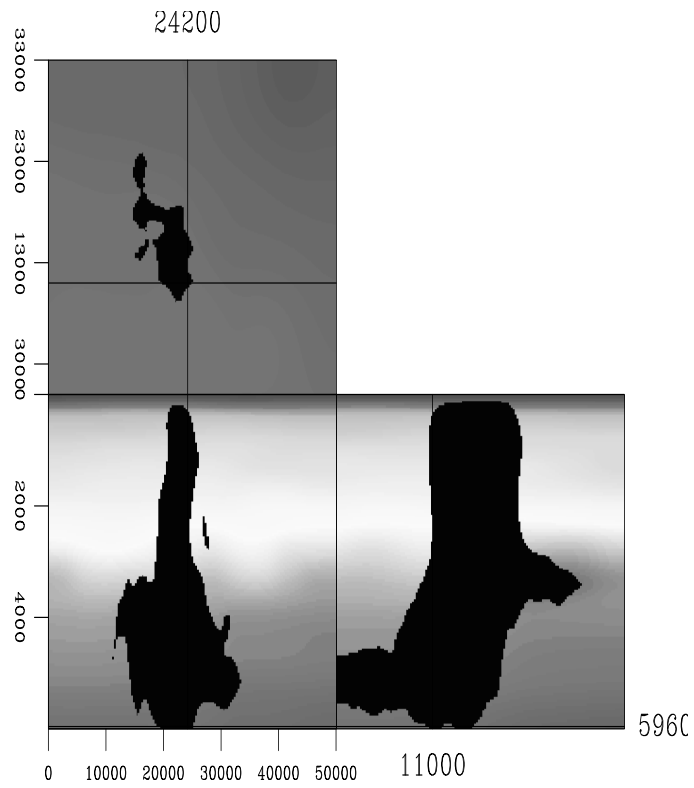
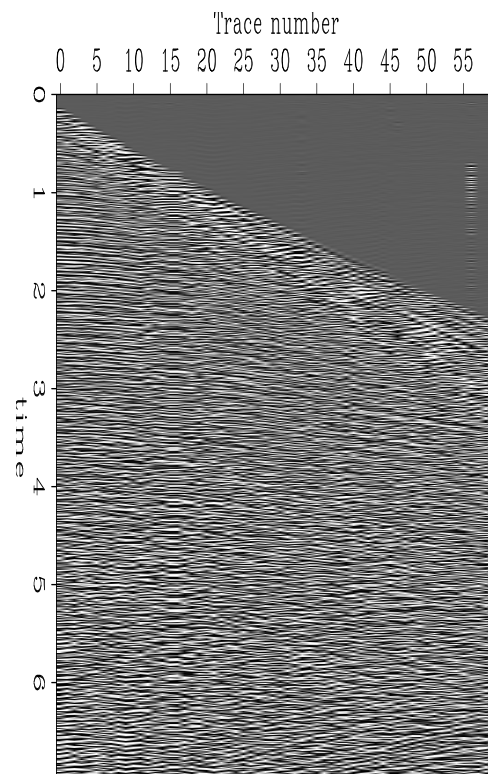


Figure 2: Velocity model `ocean-bottom-gulf-3d-velocity-cube` [ER]

Figure 3: Raw Shot gather  
`ocean-bottom-gulf-3d-shot-gather`  
 [ER]



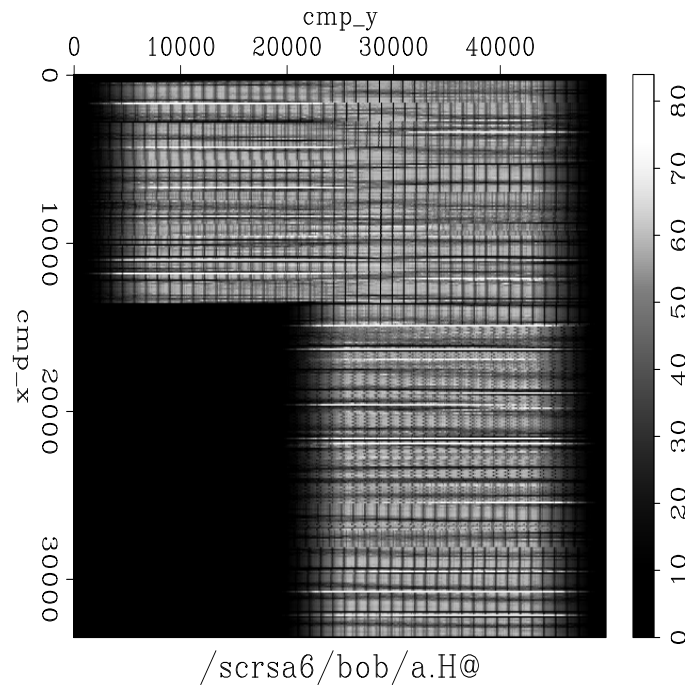


Figure 4: Cmp fold `ocean-bottom-gulf-3d-cmp-fold` [NR]

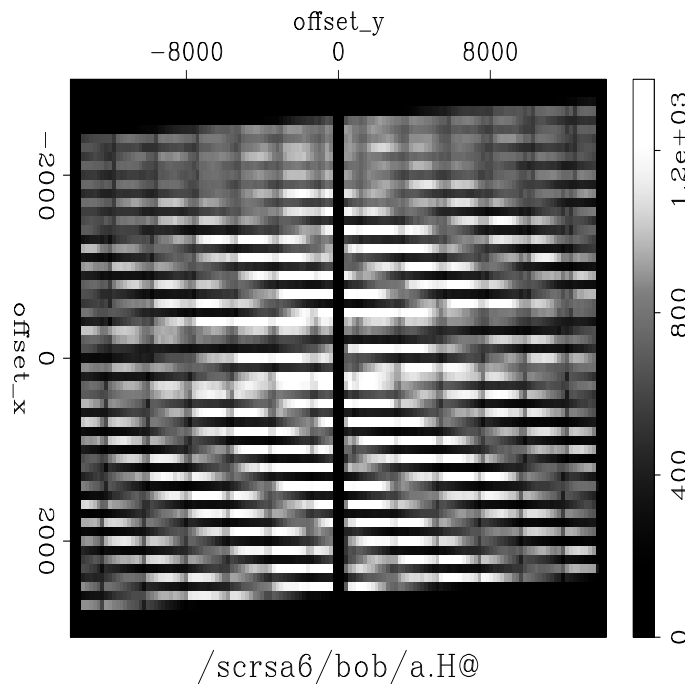


Figure 5: Offset fold `ocean-bottom-gulf-3d-offset-fold` [NR]

