

# Mobil AVO

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## ABSTRACT

Mobil AVO dataset

## GENERAL INFORMATION

**Raw Data** /data/2d\_real/mobil\_avo/mobil\_sort.H

**Velocity** /data/2d\_real/mobil\_avo/vel.H

**Stack** /data/2d\_real/mobil\_avo/stack.H

**Usage** :Amplitude balancing (Berlioux and Lumley, 1994), AVO: (Ecker et al., 1994), Multiple Suppression: (Lumley et al., 1994)

**Geometry**

```
-----
                ***** mobil_sort.H *****
          4 -esize           Synched           data_format-xdr_float
-----
n1=1500                o1=0.000000           d1=0.004000           label1=time
n2=120120              o2=1.000000           d2=1.000000           label2=trace_number
Data: in=./mobil_sort.H@
      120120 elements,   720720000 bytes in data file
-----
keynumber=1           keytype=scalar_int           keyname=tracl
keynumber=2           keytype=scalar_int           keyname=tracr
keynumber=3           keytype=scalar_int           keyname=fldr
keynumber=4           keytype=scalar_int           keyname=tracf
keynumber=5           keytype=scalar_int           keyname=ep
keynumber=6           keytype=scalar_int           keyname=cdpt
keynumber=7           keytype=scalar_int           keyname=trid
keynumber=8           keytype=scalar_int           keyname=nhs
keynumber=9           keytype=scalar_int           keyname=offset
keynumber=10          keytype=scalar_int           keyname=gelev
keynumber=11          keytype=scalar_int           keyname=selev
keynumber=12          keytype=scalar_int           keyname=sdepth
```

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```

keynumber=13      keytype=scalar_int      keyname=scale1
keynumber=14      keytype=scalar_int      keyname=scalco
keynumber=15      keytype=scalar_int      keyname=sx
keynumber=16      keytype=scalar_int      keyname=mute
keynumber=17      keytype=scalar_int      keyname=gx
keynumber=18      keytype=scalar_float    keyname=s_x
keynumber=19      keytype=scalar_float    keyname=offset_x
keynumber=20      keytype=scalar_float    keyname=g_x
keynumber=21      keytype=scalar_float    keyname=cmp_x
keynumber=22      keytype=scalar_int      keyname=data_record_number
n2=120120         o2=1.000000           d2=1.000000           label2=trace_number
Headers in=./mobil_sort.H@@@
      2642640 elements,      10570560 bytes in data file
-----
grid axis2        n2=60      o2=275.000000      d2=50.000000      label2=offset_x
grid axis3        n3=2142           o3=1619.000000           d3=12.500000      label3=cmp_x
Grid      in=./mobil_sort.H@@@
      128520 elements,      514080 bytes in data file
-----
-----

```

**Problem****History of Data****Preprocessing** None raw gathers**Proprietary Considerations** (Direct quote if possible.)**REFERENCES**

- Berlioux, A., and Lumley, D., 1994, Amplitude balancing for AVO analysis: SEP-80, 349–360.
- Ecker, C., Lumley, D., Levin, S., Rekdal, T., Berlioux, A., Clapp, R., Wang, Y., and Ji, J., 1994, An AVO analysis project: SEP-80, 333–348.
- Lumley, D., Nichols, D., and Rekdal, T., 1994, Amplitude-preserved multiple suppression: SEP-82, 25–45.

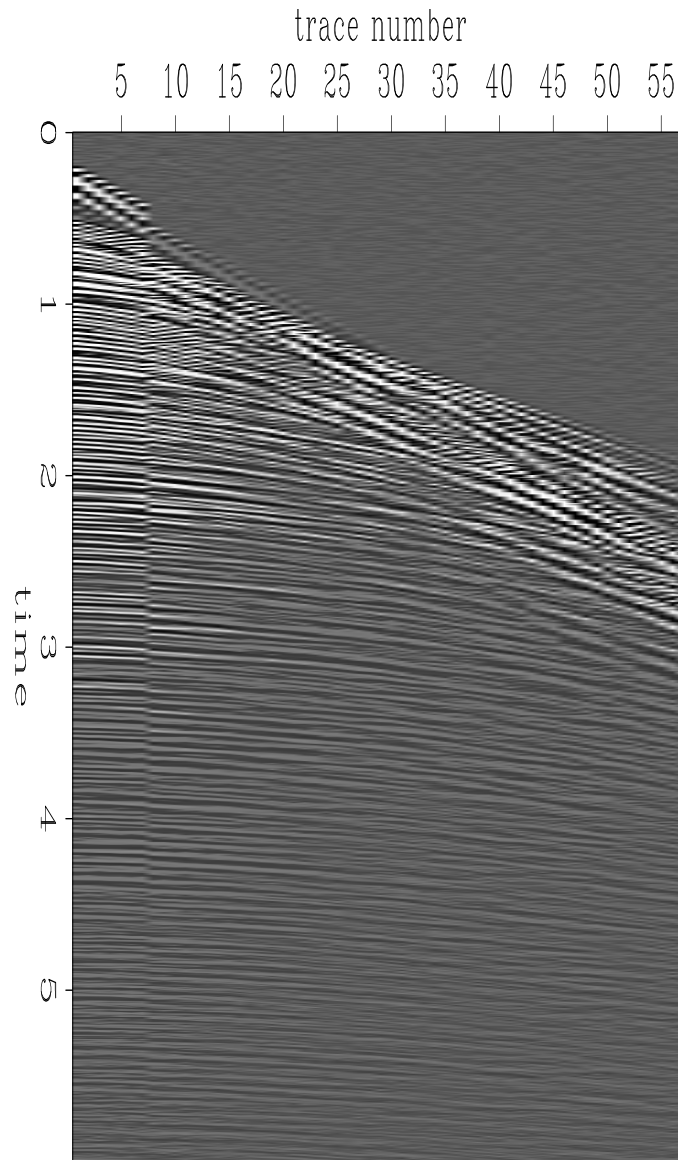


Figure 1: Raw Data `mobil-avo-raw` [ER]

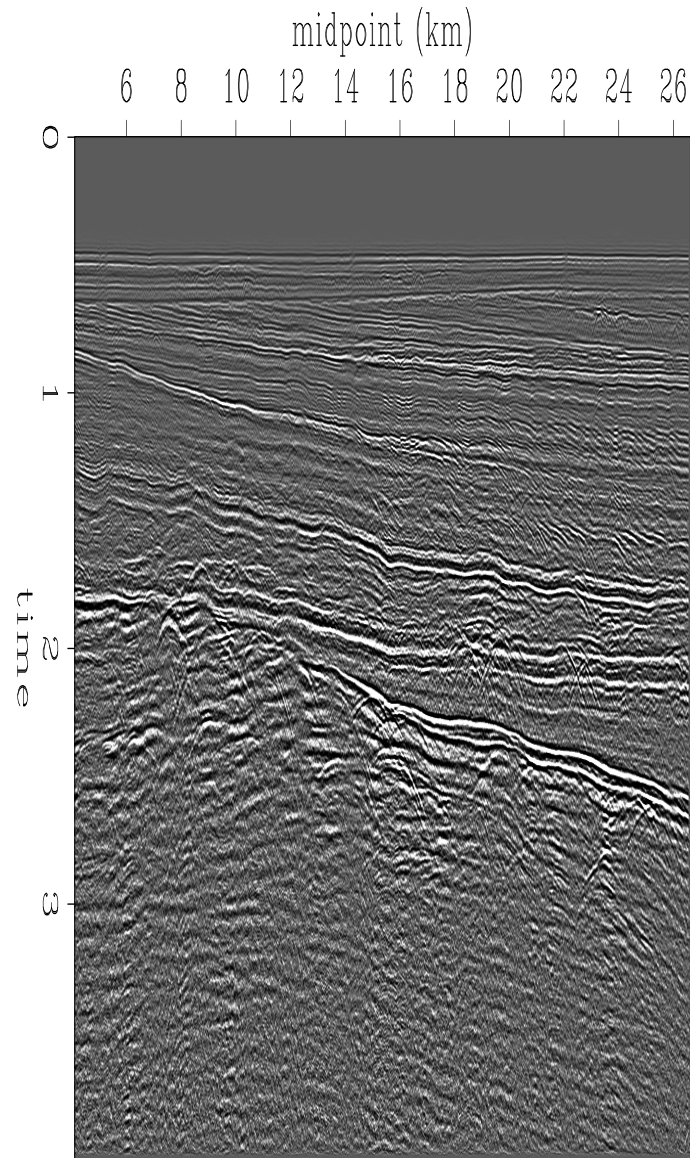


Figure 2: Stack of Mobil-AVO dataset. `mobil-avo-stack` [ER]

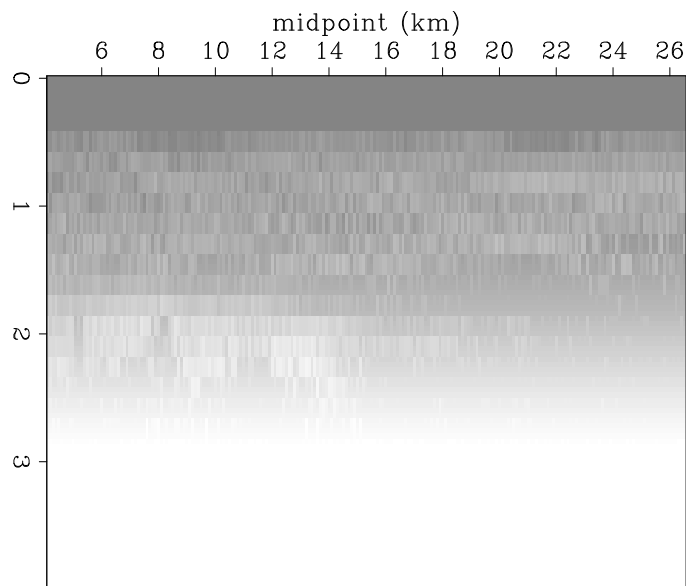


Figure 3: Velocity model `mobil-avo-velocity` [ER]

