

ODP **Processing Notes:** **Seismic Data**



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3/2004

Processing Notes: Seismic Data

First leg logged: Leg 126

Last leg logged: Leg 209

Tools Used

Six wireline tools were used to record seismic data in the Ocean Drilling Program: ASI, BGKT, QSST, VSI, WST, and WST-3. The Summary Table shows which tool was run at each hole.

Data Processing History

No processing was performed on the seismic data. The seismic data were simply converted from the original LIS/DLIS format into SEG Y format.

Data Conversion History

a) 12 Exabyte tapes of holes logged with the WST tool (LIS format):

- Leg 111, Hole 504B
- Leg 118, Hole 735B
- Leg 126, Hole 792E
- Leg 126, Hole 793B
- Leg 128, Hole 799B
- Leg 133, Hole 820B
- Leg 141, Hole 859B
- Leg 146, Hole 889B
- Leg 146, Hole 892C
- Leg 148, Hole 504B
- Leg 178, Hole 1095B (2 tapes)

Schlumberger converted the data into SEG Y format at one of their processing centers. These data were transferred to the archive directory on the LDEO-BRG file server in October 2002.

b) 4 4-mm DAT tapes of holes logged with the WST tool (LIS format):

- Leg 174A, Hole 1072B (2 tapes)
- Leg 174A, Hole 1073A (2 tapes)

Schlumberger converted the data into SEGY format at one of their processing centers. These data were transferred to the archive directory on the LDEO-BRG file server in October 2002.

c) 5 4-mm DAT tapes of holes logged with the WST tool (DLIS format):

Leg 166, Hole 1003D
Leg 166, Hole 1005A
Leg 166, Hole 1005C
Leg 166, Hole 1006A
Leg 166, Hole 1007C

The data was converted into SEGY format at LDEO-BRG in October 2002 and transferred to the archive directory on the LDEO-BRG file server in November 2002.

d) 12 4-mm DAT tapes of holes logged with the WST tool (DLIS format):

Leg 180, Hole 1109D
Leg 180, Hole 1115C
Leg 180, Hole 1118A
Leg 182, Hole 1126D
Leg 182, Hole 1129D
Leg 182, Hole 1130C,
Leg 182, Hole 1131A
Leg 182, Hole 1134A
Leg 183, Hole 1140A
Leg 194, Hole 1194B
Leg 194, Hole 1196A
Leg 203, Hole 1243B

The data was converted into SEGY format at LDEO-BRG in October 2002 and transferred the archive directory on the LDEO-BRG file server in November 2002.

e) 8 4-mm DAT tapes of holes logged with the ASI and BGKT tool (DLIS format):

Leg 156, Hole 948D (ASI)
Leg 156, Hole 949C (ASI)
Leg 176, Hole 735B (BGKT)

The data was converted into SEGY format at LDEO-BRG in October 2002 and transferred to the archive directory on the LDEO-BRG file server in November 2002.

f) CD-ROMs of holes logged with VSI, QSST, WST, and WST-3 tool (DLIS format):

- Leg 204, Hole 1244E (WST-3 + QSST)
- Leg 204, Hole 1245E (QSST)
- Leg 204, Hole 1247B (QSST + VSI)
- Leg 204, Hole 1250F (QSST + VSI)
- Leg 204, Hole 1251H (WST-3 + QSST)
- Leg 206, Hole 1256D (WST)
- Leg 207, Hole 1257A (WST)
- Leg 207, Hole 1260B (WST)
- Leg 207, Hole 1261B (WST)
- Leg 208, Hole 1265A (WST-3)

The data was converted into SEGY format at LDEO-BRG in April-May, 2003, and transferred to the archive directory on the LDEO-BRG file server in April-May, 2003.

Data storage

Original seismic data in DLIS format are saved on CD-ROM along with other logging data. All seismic data in SEGY format are saved in the archive directory on the LDEO-BRG file server and on CD-ROM. They are available upon request.

SEISMIC DATA SUMMARY TABLE

Logging Date	Leg	Hole	ASI	BGKT	QSST	VSI	WST	WST-3	Shots	Stacks	Remarks
1986	111	504B					X		X	X	
1987	118	735B					X		X	X	
1989	126	792E					X		X	X	
1989	126	793B					X		X	X	
1989	128	799B					X		X	X	
1990	133	820B					X		X	X	
1992	141	859B					X		X	X	
1992	146	889B					X		X	X	
1992	146	892C					X		X	X	
1993	148	504B					X		X	X	
1994	156	948D	X						X	X	
1994	156	949C	X						X	X	
1996	166	1003D					X		X	X	
1996	166	1005A					X		X	X	
1996	166	1005C					X		X	X	
1996	166	1006A					X		X	X	
1996	166	1007C					X		X	X	
1997	174A	1072B					X		X	X	
1997	174A	1073A					X		X	X	
1997	176	735B		X					X	X	
1998	178	1095B					X		X	X	
1998	180	1109D					X		X	X	
1998	180	1115C					X		X	X	
1998	180	1118A					X		X	X	
1998	182	1126D					X		X	X	
1998	182	1129D					X		X	X	
1998	182	1130C					X		X	X	
1998	182	1131A					X		X	X	
1998	182	1134A					X		X	X	
1999	183	1140A					X		X	X	
2001	194	1194B					X		X	X	
2001	194	1195B					X		X	X	
2001	194	1196A					X		X	X	
2002	203	1243B					X		X	X	

Logging Date	Leg	Hole	ASI	BGKT	QSST	VSI	WST	WST-3	Shots	Stacks	Remarks
2002	204	1244E			X			X	X	X	VSP + 2 walk-away lines
2002	204	1245E			X					X	
2002	204	1247B			X	X			X	X	VSP
2002	204	1250F			X	X			X	X	VSP + 3 walk-away lines
2002	204	1251H						X	X	X	VSP + 1 walk-away line
2002	206	1256D					X		X	X	
2003	207	1257A					X		X	X	
2003	207	1260B					X		X	X	
2003	207	1261B					X		X	X	
2003	208	1265A						X	X	X	