

ODP **Processing Notes:** **Sonic Waveform Data**



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3/2004

Processing Notes: Sonic Waveform Data

First leg logged: Leg 102

Last leg logged: Leg 209

Tools Used

Four wireline and one LWD tool were used to record acoustic data in the Ocean Drilling Program: BHC, DSI, LSS, SDT, and ISONIC. The Summary Table shows which tool was run at each hole.

Data Processing History

No processing was performed on the sonic waveform data. The waveforms were simply converted from the original LIS/DLIS format into ASCII and subsequently into binary format.

Data Conversion History

All the following data was put online in the summer of 2002.

Leg 102: 1 hole
Leg 104: 2 holes
Leg 126: 1 hole
Leg 130: 3 holes
Leg 148: 1 hole
Leg 150: 2 holes
Leg 152: 1 hole
Leg 154: 6 holes
Leg 155: 7 holes
Leg 157: 5 holes
Leg 159: 4 holes
Leg 160: 7 holes
Leg 161: 6 holes
Leg 162: 4 holes
Leg 164: 4 holes
Leg 165: 4 holes
Leg 166: 5 holes
Leg 167: 6 holes
Leg 168: 1 hole
Leg 169: 2 holes
Leg 170: 1 hole

Leg 171B: 2 holes
Leg 172: 2 holes
Leg 173: 1 hole
Leg 174A: 2 holes
Leg 174B: 1 hole
Leg 175: 6 holes
Leg 178: 1 hole
Leg 179: 1 hole
Leg 180: 4 holes
Leg 181: 3 holes
Leg 182: 8 holes
Leg 183: 3 holes
Leg 184: 4 holes
Leg 185: 2 holes
Leg 186: 1 hole
Leg 188: 2 holes
Leg 189: 3 holes
Leg 190: 1 hole
Leg 192: 1 hole
Leg 193: 2 holes
Leg 194: 3 holes
Leg 195: 1 hole
Leg 196: 3 holes
Leg 197: 1 hole
Leg 198: 1 hole
Leg 199 2 holes
Leg 200: 1 hole
Leg 201: 1 hole
Leg 202: 3 holes
Leg 203: 1 hole
Leg 204: 6 holes

TOTAL: 146 holes

All of the remaining legs were put online in the winter 2002–spring 2003. Legs 102 to 148 were reformatted due to a previous oversight; the waveforms from Leg 102 to Leg 148 were not on depth with the other logs and some of the data had been chopped off. For this reason it was decided to include the entire interval of available data, including any data recorded through the bottom hole assembly or drill pipe.

Data storage

The sonic waveforms in DLIS format are saved on CD-ROM, along with other logging data recorded during each leg, and in the archive directory on the LDEO-BRG file server. Sonic waveform data converted into binary format are available through the online database, along with any related documentation. They are saved on 4-mm DAT tapes as well.

SONIC WAVEFORM DATA SUMMARY TABLE

Logging Date	Leg	Hole	BHC	DSI	ISONIC	LSS	SDT
1985	102	418A				X	
1985	103	637A				X	
1985	103	638B				X	
1985	103	638C				X	
1985	103	639D				X	
1985	104	642D				X	
1985	104	642E				X	
1985	105	645E				X	
1985	105	646B				X	
1985	105	647A				X	
1986	107	651A				X	
1986	107	652A				X	
1986	107	655B				X	
1986	108	661A				X	
1986	109	395A				X	
1986	110	671C				X	
1986	110	672A				X	
1986	110	676A				X	
1986	112	679E				X	
1986	112	685A				X	
1987	113	693A				X	
1987	113	696B				X	
1987	114	703A	X				
1987	114	704B	X				
1987	115	707C	X				
1987	115	715A	X				
1987	116	718C				X	
1987	116	718E				X	
1987	116	719B				X	
1987	117	720A				X	
1987	117	722B	X				
1987	117	723B	X				
1987	117	728A	X				
1987	117	731C	X				

Logging Date	Leg	Hole	BHC	DSI	ISONIC	LSS	SDT
1988	119	737B				X	X
1988	119	738C				X	
1988	119	739C				X	
1988	119	742A				X	
1988	120	747C					X
1988	120	750A					X
1988	121	752B					X
1988	121	754B				X	
1988	121	758A	X				
1988	122	759B					X
1988	122	760B					X
1988	122	761C					X
1988	122	762C					X
1988	122	763B					X
1988	122	763C					X
1988	123	765C				X	
1988	123	765D				X	
1988	123	766A				X	
1988	124	767B				X	
1988	124	768C				X	
1988	124	770C				X	
1989	125	782B					X
1989	125	786B					X
1989	126	792E				X	
1989	126	793B				X	
1989	127	794B				X	
1989	127	795B				X	
1989	127	796B				X	
1989	127	797C				X	
1989	128	794D					X
1989	128	798B					X
1989	128	799A					X
1989	128	799B					X
1989	129	800A					X
1989	129	801B					X
1989	129	802A					X
1990	130	803D	X				
1990	130	805C				X	

Logging Date	Leg	Hole	BHC	DSI	ISONIC	LSS	SDT
1990	130	806B				X	
1990	130	807A				X	
1990	130	807C				X	
1990	131	808B				X	
1990	131	808E	X				
1990	133	812B					X
1990	133	814A					X
1990	133	815A					X
1990	133	816C					X
1990	133	817D					X
1990	133	819A					X
1990	133	820B					X
1990	133	821A					X
1990	133	822A					X
1990	133	823C					X
1990	133	824D					X
1990	133	825B					X
1990	134	829A					X
1990	134	830C					X
1990	134	831B					X
1990	134	832B					X
1990	134	833B					X
1990	135	834B					X
1990	135	835B					X
1991	135	838B					X
1991	135	839B					X
1991	135	840B					X
1991	135	841C					X
1991	136	843A					X
1991	136	843B					X
1991	138	844B					X
1991	138	845A					X
1991	138	846B					X
1991	138	847B					X
1991	138	849B					X
1991	138	850B					X
1991	138	851B					X
1991	139	856H					X

Logging Date	Leg	Hole	BHC	DSI	ISONIC	LSS	SDT
1991	139	857C					X
1991	139	857D					X
1991	139	858F					X
1991	140	504B					X
1991	141	859B					X
1992	141	860B					X
1992	141	863B					X
1992	143	865A					X
1992	143	866A					X
1992	143	867B					X
1992	143	869B					X
1992	144	801C	X				
1992	144	871C					X
1992	144	873A					X
1992	144	874B	X				
1992	144	878A					X
1992	144	879A					X
1992	145	881C					X
1992	145	883F					X
1992	145	884E					X
1992	145	887D					X
1992	146	888C					X
1992	146	889A					X
1992	146	889B					X
1992	146	891C					X
1992	146	892C					X
1993	147	894G				X	
1993	148	504B					X
1993	148	896A					X
1993	149	899B		X			X
1993	150	902D					X
1993	150	903C					X
1993	150	904A		X			X
1993	150	905A		X			X
1993	150	906A		X			X
1993	151	907A		X			
1993	151	908A		X			
1993	151	909C					X

Logging Date	Leg	Hole	BHC	DSI	ISONIC	LSS	SDT
1993	151	910C					X
1993	151	911A					X
1993	152	917A					X
1994	154	925A					X
1994	154	925C					X
1994	154	926B					X
1994	154	927C					X
1994	154	928B					X
1994	154	929E					X
1994	155	931B					X
1994	155	933A					X
1994	155	934B					X
1994	155	935A					X
1994	155	936A					X
1994	155	940A					X
1994	155	944A					X
1994	155	946A					X
1994	156	948C				X	
1994	157	950A					X
1994	157	952A					X
1994	157	953C					X
1994	157	955A					X
1994	157	956B					X
1995	159	959D					X
1995	159	960A					X
1995	159	960C					X
1995	159	962D					X
1995	160	965A					X
1995	160	966F					X
1995	160	967E					X
1995	160	968A					X
1995	160	970A					X
1995	160	971B					X
1995	160	973D					X
1995	161	974C					X
1995	161	975C					X
1995	161	976B					X
1995	161	976E					X

Logging Date	Leg	Hole	BHC	DSI	ISONIC	LSS	SDT
1995	161	977A					X
1995	161	979A					X
1995	162	982B					X
1995	162	984B					X
1995	162	986C					X
1995	162	986D					X
1995	162	987E					X
1995	164	994C					X
1995	164	994D					X
1995	164	995B					X
1995	164	997B					X
1996	165	1000B					X
1996	165	1001A					X
1996	165	998B					X
1996	165	999B					X
1996	166	1003D					X
1996	166	1005A					X
1996	166	1005C					X
1996	166	1006A					X
1996	166	1007C					X
1996	167	1011B					X
1996	167	1014A					X
1996	167	1016A					X
1996	167	1019C					X
1996	167	1020B					X
1996	167	1022C					X
1996	168	1032A					X
1996	169	1037B					X
1996	169	856H					X
1996	170	1040C					X
1997	171B	1050C					X
1997	171B	1052E					X
1997	172	1061A					X
1997	172	1063A					X
1997	173	1065A					X
1997	174A	1072B				X	
1997	174A	1073A				X	
1997	174B	395A		X			

Logging Date	Leg	Hole	BHC	DSI	ISONIC	LSS	SDT
1997	175	1077A					X
1997	175	1081A					X
1997	175	1082A					X
1997	175	1084A					X
1997	175	1085A					X
1997	175	1087C					X
1997	176	735B		X			
1998	178	1103A					X
1998	179	1105A	X				X
1998	180	1109D					X
1998	180	1114A					X
1998	180	1115C					X
1998	180	1118A					X
1998	181	1119C					X
1998	181	1123B					X
1998	181	1124C					X
1998	182	1126D					X
1998	182	1127B					X
1998	182	1128D					X
1998	182	1129D					X
1998	182	1130C					X
1998	182	1131A					X
1998	182	1132C					X
1998	182	1134A					X
1999	183	1137A		X			
1999	183	1139A				X	
1999	183	1140A				X	
1999	184	1143A				X	
1999	184	1144A				X	
1999	184	1146A				X	
1999	184	1148A				X	
1999	185	801C				X	
1999	185	1149B				X	
1999	186	1150B		X		X	
1999	186	1151D				X	
2000	188	1165C		X			
2000	188	1166A		X			
2000	189	1168A		X			

Logging Date	Leg	Hole	BHC	DSI	ISONIC	LSS	SDT
2000	189	1170D		X			
2000	189	1172D		X			
2000	190	1173A		X			
2000	192	1186A		X			
2001	193	1188F		X			
2001	193	1189B		X			
2001	194	1194B				X	
2001	194	1196A				X	
2001	194	1199A				X	
2001	195	1201D				X	
2001	196	808I			X		
2001	196	1173B			X		
2001	196	1173C			X		
2001	197	1203A		X			
2001	198	1207B		X			
2001	198	1213B		X			
2001	199	1218A		X			
2001	199	1219A		X			
2002	200	1224F		X			
2002	201	1230A		X			
2002	202	1238A		X			
2002	202	1239A		X			
2002	202	1241B		X			
2002	203	1243B		X			
2002	204	1244E		X			
2002	204	1245E		X			
2002	204	1247B		X			
2002	204	1250F		X			
2002	204	1251H		X			
2002	204	1252A		X			
2002	205	1253A		X			
2002	206	1256D		X			
2003	207	1257A				X	
2003	207	1258C				X	
2003	207	1260B				X	
2003	207	1261B				X	
2003	208	1263A		X			
2003	208	1265A		X			

Logging Date	Leg	Hole	BHC	DSI	ISONIC	LSS	SDT
2003	209	1272A		X			
2003	209	1275C					
2003	209	1275D		X			