

ODP **Processing Notes:** **Temperature Data**



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3/2004

Processing Notes: Temperature Data

First leg logged: Leg 123

Last leg logged: Leg 209

Tools Used

Two tools were used to record temperature data in the ODP: the Temperature Logging Tool (TLT) and the Temperature-Acceleration-Pressure Tool (TAP). The Summary Table shows which tool was run at each hole.

Data Processing History

The temperature data consists of three types of data: data recorded with the TLT tool without a depth recording (Legs 123-157, 162), data recorded with the TLT tool with a depth recording (Legs 159 to 181) and data recorded with the TAP tool (Leg 182 on). The processing procedure is different for the first data set.

In the spring and summer of 1997, Noelle Barstow extracted all the existing temperature files from Leg 123 to Leg 149 from 9-track tapes. The files were in ASCII format; most of them were raw files collected on the ship and needed editing and some preliminary processing. She processed as best as she could most of the above mentioned legs. In her documentation she mentioned uncertainty about the results in most of the processed holes, so it was decided to put everything on hold and wait for a review of the data as soon as time permitted.

In January 2000 all of the files previously processed by Noelle Barstow were reviewed and then edited by Gilles Guerin and Cristina Broglia, for inclusion in the online database. Most of those files were re-processed by Gilles Guerin. Also, all the remaining temperature files from Legs 150 to 157 were edited for inclusion in the online database. Some of these files (where no depth recording had been made) needed re-processing. Documentation is available for all of the holes logged.

A complete inventory of the processed holes is given in the Summary Table.

Data storage

All of the temperature files (original and processed data) are saved on zip disks. They are available through the online data base, along with any related documentation.

TEMPERATURE DATA SUMMARY TABLE

Logging Date	LEG	HOLE	Processor	Processing Date	Tool Type	Depth File	Remarks
1988	123	765C	Barstow	8/27/97	TLT	N	Reformatted
1988	123	765D	Barstow	8/29/97	TLT	N	Reformatted
1988	123	766A	Barstow	5/29-8/27/97	TLT	N	Reformatted
1988	124	767B	Guerin	3/8/00	TLT	N	Reprocessed
1988	124	768C	Guerin	3/8/00	TLT	N	Reprocessed
1988	124	770C	Guerin	3/8/00	TLT	N	Reprocessed
1988	125	780B	Guerin	3/8/00	TLT	N	Reprocessed
1988	125	782B	Guerin	3/8/00	TLT	N	Reprocessed
1989	126	792E	Barstow	8/28/97	TLT	N	Reformatted
1989	126	793B	Barstow	8/29/97	TLT	N	Reformatted
1989	127	794B	Barstow	6/3/97	TLT	N	Reformatted
1989	127	797C	Barstow	6/11/97	TLT	N	Reformatted
1989	128	794D	Guerin	3/9/00	TLT	N	Reformatted
1989	128	798B	Barstow	6/11/97	TLT	N	Reformatted
1989	128	799A	Barstow	6/12/97	TLT	N	Reformatted
1989	128	799B	Barstow	6/13/97	TLT	N	Reformatted
1989	129	800A	Barstow	6/12/97	TLT	N	Reformatted
1989	129	801B	Barstow	6/13/97	TLT	N	Reformatted
1989	129	802A	Barstow	6/14/97	TLT	N	Reformatted
1989	130	803D	Guerin	4/10/00	TLT	N	Reprocessed
1990	130	805C	Guerin	3/20/00	TLT	N	Reprocessed
1990	130	806B	Guerin	3/20/00	TLT	N	Reprocessed
1990	130	807A	Guerin	3/20/00	TLT	N	Reprocessed
1990	130	807C	Guerin	3/20/00	TLT	N	Reprocessed
1990	131	808B	Chabernaud	7/25/91	TLT	N	Original tape could not be read. No etim or pressure in the file.
1990	131	808C	Chabernaud	7/26/91	TLT	N	Original tape could not be read. No etim or pressure in the file.
1990	131	808E	Chabernaud	7/27/91	TLT	N	Original tape could not be read. No etim or pressure in the file.
1990	133	812B	Guerin	3/20/00	TLT	N	Reprocessed
1990	133	814A	Guerin	3/20/00	TLT	N	Reprocessed
1990	133	815A	Guerin	3/20/00	TLT	N	Reprocessed

Logging Date	LEG	HOLE	Processor	Processing Date	Tool Type	Depth File	Remarks
1990	I33	816C	Guerin	3/20/00	TLT	N	Reprocessed
1990	I33	817D	Guerin	3/20/00	TLT	N	Reprocessed
1990	I33	819A	Guerin	3/20/00	TLT	N	Reprocessed
1990	I33	820B	Guerin	3/20/00	TLT	N	Reprocessed
1990	I33	821A	Guerin	3/20/00	TLT	N	Reprocessed
1990	I33	822A	Guerin	3/20/00	TLT	N	Reprocessed
1990	I33	823C	Guerin	3/20/00	TLT	N	Reprocessed
1990	I33	825B	Guerin	3/20/00	TLT	N	Reprocessed
1990	I34	829A	Guerin	4/10/00	TLT	N	Reprocessed
1990	I34	830C	Barstow	8/13/97	TLT	N	Reformatted
1990	I34	831B	Barstow	8/13/97	TLT	N	Reformatted
1990	I34	832B	Guerin	4/10/00	TLT	N	Reprocessed
1990	I34	833B	Guerin	4/10/00	TLT	N	Reprocessed
1990	I35	834B	Guerin	3/20/00	TLT	N	Reprocessed
1991	I35	838B	Guerin	4/10/00	TLT	N	Reprocessed
1991	I35	839B	Guerin	4/10/00	TLT	N	Reprocessed
1991	I35	840B	Guerin	4/10/00	TLT	N	Reprocessed
1991	I35	841C	Guerin	4/10/00	TLT	N	Reprocessed
1991	I36	843B	Barstow	8/21/97	TLT	N	Reformatted
1991	I38	844B	Barstow	8/21/97	TLT	N	Reformatted
1991	I38	845A	Barstow	8/21/97	TLT	N	Reformatted
1991	I38	846B	Barstow	8/21/97	TLT	N	Reformatted
1991	I38	847B	Guerin	3/29/00	TLT	N	Reprocessed
1991	I38	848B		unknown	TLT	N	Only 6m open hole. No processing performed.
1991	I38	849B	Guerin	3/29/00	TLT	N	Reprocessed
1991	I39	856H	Guerin	unknown	TLT	N	Revised. No original data available.
1991	I41	859B	Guerin	unknown	TLT	N	Revised. No original data available.
1992	I41	860B	Guerin	unknown	TLT	N	Revised. No original data available.
1992	I41	863B	Guerin	unknown	TLT	N	Revised. No original data available.
1992	I43	865A	Guerin	unknown	TLT	N	Reprocessed
1992	I43	866A	Guerin	unknown	TLT	N	Reprocessed
1992	I45	881C	Guerin	3/17/00	TLT	N	Reprocessed

Logging Date	LEG	HOLE	Processor	Processing Date	Tool Type	Depth File	Remarks
1992	145	883F	Guerin	3/18/00	TLT	N	Reprocessed
1992	145	884E	Guerin	3/19/00	TLT	N	Reprocessed
1992	145	887D	Guerin	3/20/00	TLT	N	Reprocessed
1992	146	888C	Guerin	3/20/00	TLT	N	Reprocessed. Slow temp only.
1992	146	889A	Guerin	3/20/00	TLT	N	Reprocessed. Slow temp only.
1992	146	889B	Guerin	3/20/00	TLT	N	Reprocessed. Slow temp only.
1992	146	891C	Guerin	3/20/00	TLT	N	Reprocessed. Slow temp only.
1992	146	992C	Guerin	3/20/00	TLT	N	Reprocessed. Slow temp only.
1993	148	896A	Guerin	3/30/00	TLT	N	Reprocessed. Slow temp only.
1993	149	897D	BAD DATA		TLT	N	Bad data. P transducer did not work.
1993	149	899B	BAD DATA		TLT	N	Bad data. Only 50 m open hole.
1993	150	903A	Guerin	6/28/00	TLT	N	Reprocessed
1993	150	903C	Guerin	6/28/00	TLT	N	Reprocessed
1993	150	904A	Guerin	6/28/00	TLT	N	Reprocessed
1993	150	905A	Guerin	6/28/00	TLT	N	Reprocessed
1993	150	906A	Guerin	6/28/00	TLT	N	Reprocessed
1993	151	907A	Guerin	6/28/00	TLT	N	Reprocessed. Original data not available.
1993	151	908A	Guerin	6/28/00	TLT	N	Reprocessed. Original data not available.
1993	151	909C	Guerin	6/28/00	TLT	N	Reprocessed. Original data not available.
1993	151	910C	Guerin	6/28/00	TLT	N	Reprocessed. One original file not available.
1994	154	925A	Guerin	6/21/00	TLT	N	Reprocessed
1994	154	925C	Guerin	6/21/00	TLT	N	Reprocessed
1994	154	926B	Guerin	6/21/00	TLT	N	Reprocessed
1994	154	927C	Guerin	6/21/00	TLT	N	Reprocessed
1994	154	929E	Guerin	6/21/00	TLT	N	Reprocessed
1994	155	931B	Guerin	6/19/00	TLT	N	Reprocessed
1994	155	933A	Guerin	6/19/00	TLT	N	Reprocessed
1994	155	935A	Guerin	6/19/00	TLT	N	Reprocessed
1994	155	936A	Guerin	6/19/00	TLT	N	Reprocessed
1994	155	940A	Guerin	6/19/00	TLT	N	Reprocessed
1994	155	944A	Guerin	7/1/00	TLT	N	Reprocessed
1994	155	946A	Guerin	7/2/00	TLT	N	Reprocessed

Logging Date	LEG	HOLE	Processor	Processing Date	Tool Type	Depth File	Remarks
1994	157	950A	Guerin	6/30/00	TLT	N	Reprocessed. Original data not available.
1994	157	952A	Guerin	6/30/00	TLT	N	Original data not available.
1994	157	953C	Guerin	6/30/00	TLT	N	Original data not available.
1994	157	955A	Bristow	6/1/95	TLT	N	Original data not available.
1994	157	956B	Bristow	6/1/95	TLT	N	Original data not available.
1995	159	959D	Bristow	7/8/00	TLT	Y	Reformatted
1995	159	960A	Bristow	7/9/00	TLT	Y	Reformatted
1995	159	960C	Bristow	7/10/00	TLT	Y	Reformatted
1995	159	962D	Bristow	7/11/00	TLT	Y	Reformatted
1995	160	965A	Pirmez	7/12/00	TLT	N	Reformatted
1995	160	966F	Pirmez	7/13/00	TLT	Y	Reformatted
1995	160	967E	Pirmez	7/14/00	TLT	N	Reformatted
1995	160	968A	Pirmez	7/15/00	TLT	Y	Reformatted
1995	160	970A	Pirmez	7/16/00	TLT	Y	Reformatted
1995	161	976B	Chakraborty	7/17/00	TLT	Y/N	Reformatted
1995	161	976E	Chakraborty	7/18/00	TLT	Y	Reformatted
1995	162	982B	Chakraborty	7/19/00	TLT	Y	Reformatted
1995	162	984B	Chakraborty	7/20/00	TLT	N	Reformatted
1995	162	986C	Chakraborty	7/21/00	TLT	N	Reformatted
1995	162	987E	Chakraborty	7/22/00	TLT	N	Reformatted
1995	164	994C	Pirmez	7/23/00	TLT	Y	Reformatted
1995	164	995B	Pirmez	7/24/00	TLT	Y	Reformatted
1995	164	997B	Pirmez	7/25/00	TLT	Y	Reformatted
1996	165	998B	Chakraborty	7/26/00	TLT	Y	Reformatted
1996	165	1000B	Chakraborty	7/27/00	TLT	Y	Reformatted
1996	165	1001A	Chakraborty	7/28/00	TLT	Y	Reformatted
1996	166	1003D	Pirmez	7/29/00	TLT	Y	Reformatted
1996	166	1005A	Barstow	7/30/00	TLT	Y	Reformatted
1996	166	1005C	Pirmez	7/31/00	TLT	Y	Reformatted
1996	166	1006A	Pirmez	8/1/00	TLT	Y	Reformatted
1996	167	1011B	Barstow	8/2/00	TLT	Y	Reformatted
1996	167	1014A	Barstow	8/3/00	TLT	Y	Reformatted
1996	167	1016A	Barstow	8/4/00	TLT	Y	Reformatted
1996	167	1018A	Barstow	8/5/00	TLT	Y	Reformatted
1996	167	1019C	Barstow	8/6/00	TLT	Y	Reformatted
1996	167	1022C	Barstow	8/7/00	TLT	Y	Reformatted

Logging Date	LEG	HOLE	Processor	Processing Date	Tool Type	Depth File	Remarks
1996	168	1032A	Barstow	8/8/00	TLT	Y	Reformatted
1996	169	1037B	Barstow	8/9/00	TLT	Y	Reformatted
1997	171B	1050C	Barstow	8/10/00	TLT	Y	Reformatted
1997	171B	1052E	Barstow	8/11/00	TLT	Y	Reformatted
1997	172	1061A	Barstow	8/12/00	TLT	Y	Reformatted
1997	172	1063A	Barstow	8/13/00	TLT	Y	Reformatted
1997	173	1065A	Barstow	8/14/00	TLT	Y	Reformatted
1997	173	1068A	Barstow	8/15/00	TLT	Y	Reformatted
1997	173	1069A	Barstow	8/16/00	TLT	Y	Reformatted
1997	174A	1071E	Barstow	8/17/00	TLT	Y	Reformatted
1997	174A	1072A	Barstow	8/18/00	TLT	Y	Reformatted
1997	174A	1072B	Barstow	8/19/00	TLT	Y	Reformatted
1997	174A	1073A	Barstow	8/20/00	TLT	Y	Reformatted
1997	174B	395A	Kurian	8/21/00	TLT	Y	Reformatted
1997	175	1077A	Kurian	8/22/00	TLT	Y	Reformatted
1997	175	181A	Kurian	8/23/00	TLT	Y	Reformatted
1997	175	1082A	Kurian	8/24/00	TLT	Y	Reformatted
1997	175	1084A	Kurian	8/25/00	TLT	Y	Reformatted
1997	175	1085A	Kurian	8/26/00	TLT	Y	Reformatted
1997	176	735B	Kurian	8/27/00	TLT	Y	Reformatted
1998	177	1093D	Kurian	8/28/00	TLT	Y	Reformatted
1998	178	1095B	Kurian	8/29/00	TLT	Y	Reformatted
1998	178	1096C	Kurian	8/30/00	TLT	Y	Reformatted
1998	178	1103A	Kurian	8/31/00	TLT	Y	Reformatted
1998	179	1105A	Kurian	9/1/00	TLT	Y	Reformatted
1998	180	1108B	Kurian	9/2/00	TLT	Y	Reformatted
1998	180	1109D	Kurian	9/3/00	TLT	Y	Reformatted
1998	180	1114A	Kurian	9/4/00	TLT	Y	Reformatted
1998	180	1115C	Kurian	9/5/00	TLT	Y	Reformatted
1998	180	1118A	Kurian	9/6/00	TLT	Y	Reformatted
1998	181	1119C	Williams	9/7/00	TLT	Y	Reformatted
1998	181	1125B	Williams	9/8/00	TLT	Y	Reformatted
1998	182	1126D	Williams		TAP	Y	Reformatted
1998	182	1127B	Williams		TAP	Y	Reformatted
1998	182	1131A	Williams		TAP	Y	Reformatted
1999	183	1137A	Delius/Brogia	2/14/00	TAP	Y	Reformatted

Logging Date	LEG	HOLE	Processor	Processing Date	Tool Type	Depth File	Remarks
1999	183	1139A	Delius/Brogli	2/14/00	TAP	Y	Reformatted
1999	185	1149B	Guerin		TAP	Y	Reformatted
1999	185	801C	Guerin		TAP	Y	Reformatted
1999	186	1150B	Brogli	5/16/00	TAP	Y	
2000	188	1165C	Brogli	6/12/00	TAP	Y	
2000	188	1166A	Brogli	6/13/00	TAP	Y	
2000	188	1167A	Brogli	6/14/00	TAP	Y	
2000	189	1168A	Brogli	6/5/00	TAP	Y	
2000	189	1170D	Brogli	6/6/00	TAP	Y	
2000	189	1171D	Brogli	6/7/00	TAP	Y	
2000	189	1172D	Brogli	6/8/00	TAP	Y	
2000	191	1179D	Brogli	8/24/00	TAP	Y	
2000	192	1186A	Brogli	2/26/01	TAP	Y	
2001	194	1194B	Brogli	2/27/01	TAP	Y	
2001	194	1195B	Brogli	2/28/01	TAP	Y	
2001	195	1201D	Williams	2/22/02	TAP	N	
2001	197	1203A	Guerin	6/13/02	TAP	N	
2001	199	1218A			TAP	Y	No TAP file.
2002	199	1219A	Guerin	10/7/02	TAP	Y	TAP not recorded every second.
2002	200	1224F	Brogli	6/27/02	TAP	Y	
2002	201	1225A	Guerin	4/15/02	TAP	Y	
2002	201	1226A	Guerin	4/15/02	TAP	Y	
2002	201	1228A	Guerin	4/15/02	TAP	Y	
2002	201	1229A	Guerin	4/15/02	TAP	Y	
2002	201	1230A	Guerin	4/15/02	TAP	Y	
2002	202	1239A	Guerin	3/28/03	TAP	N	
2002	202	1241B			TAP	N	Data collected in water column only.
2002	204	1244E	Guerin	9/17/02	TAP	Y	
2002	204	1245E	Guerin	9/17/02	TAP	Y	
2002	204	1247B	Guerin	9/17/02	TAP	Y	
2002	204	1250F	Guerin	9/17/02	TAP	Y	
2002	204	1251H	Guerin	9/17/02	TAP	Y	
2002	204	1252A	Guerin	9/17/02	TAP	Y	
2002	205	1253A	Guerin	10/9/03	TAP	Y	Depth was not sampled every second.
2002	206	1256C			TAP		No data collected due to failure.

Logging Date	LEG	HOLE	Processor	Processing Date	Tool Type	Depth File	Remarks
2002	206	I256D			TAP		No data collected due to failure.
2003	207	I257A	Guerin	10/9/03	TAP	Y	Depth was not sampled every second.
2003	207	I258C	Guerin	10/9/03	TAP	Y	Depth was not sampled every second.
2003	207	I260B	Guerin	10/9/03	TAP	Y	Depth was not sampled every second.
2003	207	I261B	Guerin	10/9/03	TAP	Y	Depth was not sampled every second.
2003	208	I263A	Guerin	10/9/03	TAP	Y	Depth was not sampled every second.
2003	209	I275D	Guerin	10/9/03	TAP	Y	Depth was not sampled every second.