

	RELATÓRIO TÉCNICO	Nº	RT - MA02/2011	REV.:	0
				DATA.:	JANEIRO DE 2012
	PROGRAMA:	Atividade de Produção de Petróleo e Gás no Campo de Frade, Bacia de Campos		FOLHA:	1 de 9
TÍTULO:	Projeto de Monitoramento Ambiental (PMA)			CAMPANHA:	CAMPANHA 2

## Anexo 5.1.1-1: Dados brutos de correntometria - Campo de Frade - Campanha 2.

Estação: #01.CAL											
Header created by DATALOG on 27/8/2011 17:38:54											
Device: BFM308, Serial number: 23040											
Header text: grtestP27											
Sampling period (x5 secs): 3, Averaging period: 1											
Impeller coefficients: 17 +1.4143848e-13 -3.5488315e-11 +2.4620726e-09 -5.5286980e-10 -4.8345065e-06 +1.6050162e-04 +5.6165943e-02 +1.7216420e-02											
Speed of sound formula Chen & Millero											
Date	Time	Conductivity	Temperature	Pressure	Salinity	Density	SoundSpeed	Flow	Direction	Class Flow	Class Direction
27/08/2011	17:19:29	0	0	0	0	0	0	0	256,8	0	225
27/08/2011	17:19:44	0	0	0	0	0	0	0,013	302,8	0	270
27/08/2011	17:19:59	0	0	0	0	0	0	0,088	78,4	0	45
27/08/2011	17:20:14	0	0	0	0	0	0	0	33	0	0
27/08/2011	17:20:29	0	0	0	0	0	0	0	20,2	0	0
27/08/2011	17:20:44	0	0	0	0	0	0	0	48,7	0	45
27/08/2011	17:20:59	0	0	0	0	0	0	0,313	53,3	0,3	45
27/08/2011	17:21:14	0	0	0	0	0	0	1,036	333,5	1	315
27/08/2011	17:21:29	0	0	0	0	0	0	0,723	147,1	0,7	135
27/08/2011	17:21:44	0	0	0	0	0	0	0,856	150,8	0,8	135
27/08/2011	17:21:59	0	0	0	0	0	0	0,765	150,8	0,7	135
27/08/2011	17:22:14	0	0	0	0	0	0	0,301	151,6	0,3	135
27/08/2011	17:22:29	0	0	0	0	0	0	0,397	158,1	0,3	135
27/08/2011	17:22:44	0	0	0	0	0	0	0,415	165,5	0,4	135
27/08/2011	17:22:59	0	0	0	0	0	0	0,281	163,8	0,2	135
27/08/2011	17:23:14	0	0	0	0	0	0	0,339	165,3	0,3	135
27/08/2011	17:23:29	0	0	0	0	0	0	0,358	164,7	0,3	135
27/08/2011	17:23:44	0	0	0	0	0	0	0,282	168,2	0,2	135
27/08/2011	17:23:59	0	0	0	0	0	0	0,243	168	0,2	135
27/08/2011	17:24:14	0	0	0	0	0	0	0,299	159,5	0,2	135
27/08/2011	17:24:29	0	0	0	0	0	0	0,397	158,5	0,3	135
27/08/2011	17:24:44	0	0	0	0	0	0	0,474	155,1	0,4	135
27/08/2011	17:24:59	0	0	0	0	0	0	0,493	155,9	0,4	135
27/08/2011	17:25:14	0	0	0	0	0	0	0,416	157,9	0,4	135
27/08/2011	17:25:29	0	0	0	0	0	0	0,3	163,3	0,3	135
27/08/2011	17:25:44	0	0	0	0	0	0	0,243	167	0,2	135
27/08/2011	17:25:59	0	0	0	0	0	0	0,205	152,4	0,2	135
27/08/2011	17:26:14	0	0	0	0	0	0	0,242	148,4	0,2	135
27/08/2011	17:26:29	0	0	0	0	0	0	0,301	153,1	0,3	135
27/08/2011	17:26:44	0	0	0	0	0	0	0,415	155,2	0,4	135
27/08/2011	17:26:59	0	0	0	0	0	0	0,416	145,9	0,4	135
27/08/2011	17:27:14	0	0	0	0	0	0	0,493	146,5	0,4	135
27/08/2011	17:27:29	0	0	0	0	0	0	0,491	149,8	0,4	135
27/08/2011	17:27:44	0	0	0	0	0	0	0,628	149,4	0,6	135
27/08/2011	17:27:59	0	0	0	0	0	0	0,532	150,3	0,5	135
27/08/2011	17:28:14	0	0	0	0	0	0	0,57	148,2	0,5	135
27/08/2011	17:28:29	0	0	0	0	0	0	0,57	151,9	0,5	135
27/08/2011	17:28:44	0	0	0	0	0	0	0,45	163,6	0,4	135
27/08/2011	17:28:59	0	0	0	0	0	0	0,235	202	0,2	180
27/08/2011	17:29:14	0	0	0	0	0	0	0,243	221,3	0,2	180
27/08/2011	17:29:29	0	0	0	0	0	0	0,334	187,6	0,3	180
27/08/2011	17:29:44	0	0	0	0	0	0	0,376	174,9	0,3	135
27/08/2011	17:29:59	0	0	0	0	0	0	0,281	176,2	0,2	135
27/08/2011	17:30:14	0	0	0	0	0	0	0,3	170,3	0,3	135
27/08/2011	17:30:29	0	0	0	0	0	0	0,339	166,5	0,3	135
27/08/2011	17:30:44	0	0	0	0	0	0	0,377	161,4	0,3	135
27/08/2011	17:30:59	0	0	0	0	0	0	0,474	153,2	0,4	135
27/08/2011	17:31:14	0	0	0	0	0	0	0,531	152	0,5	135
27/08/2011	17:31:29	0	0	0	0	0	0	0,532	147,4	0,5	135
27/08/2011	17:31:44	0	0	0	0	0	0	0,493	157,6	0,4	135
27/08/2011	17:31:59	0	0	0	0	0	0	0,492	161,1	0,4	135
27/08/2011	17:32:14	0	0	0	0	0	0	0,3	180,4	0,3	180
27/08/2011	17:32:29	0	0	0	0	0	0	0,262	206,8	0,2	180
27/08/2011	17:32:44	0	0	0	0	0	0	0,236	193	0,2	180
27/08/2011	17:32:59	0	0	0	0	0	0	0,646	175,4	0,6	135
27/08/2011	17:33:14	0	0	0	0	0	0	0,783	169	0,7	135
27/08/2011	17:33:29	0	0	0	0	0	0	0,831	169	0,8	135
27/08/2011	17:33:44	0	0	0	0	0	0	0,5	55,9	0,5	45
27/08/2011	17:33:59	0	0	0	0	0	0	0,345	51,3	0,3	45

	RELATÓRIO TÉCNICO	Nº	RT - MA02/2011	REV.:	0
	PROGRAMA: Atividade de Produção de Petróleo e Gás no Campo de Frade, Bacia de Campos			DATA:	JANEIRO DE 2012
	TÍTULO: Projeto de Monitoramento Ambiental (PMA)			FOLHA:	2 de 9
				CAMPANHA:	CAMPANHA 2

Estação: #01.CAL											
27/08/2011	17:34:14	0	0	0	0	0	0	0	101	0	90
27/08/2011	17:34:29	0	0	0	0	0	0	0	48,8	0	45
27/08/2011	17:34:44	0	0	0	0	0	0	0,083	64,2	0	45
27/08/2011	17:34:59	0	0	0	0	0	0	0	142,9	0	135
27/08/2011	17:35:14	0	0	0	0	0	0	0	106,1	0	90
27/08/2011	17:35:29	0	0	0	0	0	0	0	106,5	0	90
27/08/2011	17:35:44	0	0	0	0	0	0	0	248,1	0	225
27/08/2011	17:35:59	0	0	0	0	0	0	0,024	277,8	0	270

Estação: #03.CAL											
Header created by DATALOG on 27/8/2011 13:32:53											
Device: BFM308, Serial number: 23040											
Header text: grtestP27											
Sampling period (x5 secs): 3, Averaging period: 1											
Impeller coefficients: 17 +1.4143848e-13 -3.5488315e-11 +2.4620726e-09 -5.5286980e-10 -4.8345065e-06 +1.6050162e-04 +5.6165943e-02 +1.7216420e-02											
Speed of sound formula Chen & Millero											
Date	Time	Conductivity	Temperature	Pressure	Salinity	Density	SoundSpeed	Flow	Direction		
27/08/2011	13:11:22	0	0	0	0	0	0	0	0	172,9	
27/08/2011	13:11:37	0	0	0	0	0	0	0	0	85,7	
27/08/2011	13:11:52	0	0	0	0	0	0	0,024	0	89,9	
27/08/2011	13:12:07	0	0	0	0	0	0	0	0	209,5	
27/08/2011	13:12:22	0	0	0	0	0	0	0	0	208,7	
27/08/2011	13:12:37	0	0	0	0	0	0	0	0	205,5	
27/08/2011	13:12:52	0	0	0	0	0	0	0	0	214,3	
27/08/2011	13:13:07	0	0	0	0	0	0	0	0	223,8	
27/08/2011	13:13:22	0	0	0	0	0	0	0,024	0	221,5	
27/08/2011	13:13:37	0	0	0	0	0	0	0,024	0	258,5	
27/08/2011	13:13:52	0	0	0	0	0	0	0,077	0	327,3	
27/08/2011	13:14:07	0	0	0	0	0	0	0,304	0	286,9	
27/08/2011	13:14:22	0	0	0	0	0	0	0,579	0	149,7	
27/08/2011	13:14:37	0	0	0	0	0	0	0,686	0	193,3	
27/08/2011	13:14:52	0	0	0	0	0	0	0,312	0	175,9	
27/08/2011	13:15:07	0	0	0	0	0	0	0,357	0	139,6	
27/08/2011	13:15:22	0	0	0	0	0	0	0,377	0	153,1	
27/08/2011	13:15:37	0	0	0	0	0	0	0,198	0	198,7	
27/08/2011	13:15:52	0	0	0	0	0	0	0,241	0	241,7	
27/08/2011	13:16:07	0	0	0	0	0	0	0,225	0	197,9	
27/08/2011	13:16:22	0	0	0	0	0	0	0,318	0	207,2	
27/08/2011	13:16:37	0	0	0	0	0	0	0,297	0	259	
27/08/2011	13:16:52	0	0	0	0	0	0	0,282	0	287,1	
27/08/2011	13:17:07	0	0	0	0	0	0	0,319	0	281,7	
27/08/2011	13:17:22	0	0	0	0	0	0	0,455	0	266,2	
27/08/2011	13:17:37	0	0	0	0	0	0	0,304	0	287,5	
27/08/2011	13:17:52	0	0	0	0	0	0	0,236	0	317,5	
27/08/2011	13:18:07	0	0	0	0	0	0	0,262	0	326,4	
27/08/2011	13:18:22	0	0	0	0	0	0	0,148	0	327,4	
27/08/2011	13:18:37	0	0	0	0	0	0	0,12	0	348,3	
27/08/2011	13:18:52	0	0	0	0	0	0	0,143	0	352,4	
27/08/2011	13:19:07	0	0	0	0	0	0	0,124	0	342,7	
27/08/2011	13:19:22	0	0	0	0	0	0	0,129	0	347,6	
27/08/2011	13:19:37	0	0	0	0	0	0	0,049	0	9,8	
27/08/2011	13:19:52	0	0	0	0	0	0	0,024	0	6,9	
27/08/2011	13:20:07	0	0	0	0	0	0	0,057	0	121,7	
27/08/2011	13:20:22	0	0	0	0	0	0	0,447	0	184,8	
27/08/2011	13:20:37	0	0	0	0	0	0	0,301	0	216,4	
27/08/2011	13:20:52	0	0	0	0	0	0	0,124	0	186,6	
27/08/2011	13:21:07	0	0	0	0	0	0	0,281	0	181,5	
27/08/2011	13:21:22	0	0	0	0	0	0	0,449	0	169,4	
27/08/2011	13:21:37	0	0	0	0	0	0	0,105	0	187,9	
27/08/2011	13:21:52	0	0	0	0	0	0	0,337	0	198	
27/08/2011	13:22:07	0	0	0	0	0	0	0,148	0	190,6	
27/08/2011	13:22:22	0	0	0	0	0	0	0,206	0	187,1	
27/08/2011	13:22:37	0	0	0	0	0	0	0,336	0	215,5	
27/08/2011	13:22:52	0	0	0	0	0	0	0,214	0	323,5	
27/08/2011	13:23:07	0	0	0	0	0	0	0,163	0	329,1	
27/08/2011	13:23:22	0	0	0	0	0	0	0,186	0	323,9	
27/08/2011	13:23:37	0	0	0	0	0	0	0,156	0	286,7	
27/08/2011	13:23:52	0	0	0	0	0	0	0,083	0	213,8	
27/08/2011	13:24:07	0	0	0	0	0	0	0,205	0	162,9	
27/08/2011	13:24:22	0	0	0	0	0	0	0,205	0	163,5	

	RELATÓRIO TÉCNICO	Nº: RT - MA02/2011	REV.: 0
	PROGRAMA: Atividade de Produção de Petróleo e Gás no Campo de Frade, Bacia de Campos		DATA.: JANEIRO DE 2012
	TÍTULO: Projeto de Monitoramento Ambiental (PMA)		FOLHA: 3 de 9

Estação: #03.CAL										
27/08/2011	13:24:37	0	0	0	0	0	0	0	0,243	163,6
27/08/2011	13:24:52	0	0	0	0	0	0	0	0,319	169,3
27/08/2011	13:25:07	0	0	0	0	0	0	0	0,3	162,1
27/08/2011	13:25:22	0	0	0	0	0	0	0	0,415	168,8
27/08/2011	13:25:37	0	0	0	0	0	0	0	0,513	204
27/08/2011	13:25:52	0	0	0	0	0	0	0	0,549	172,4
27/08/2011	13:26:07	0	0	0	0	0	0	0	0,51	193,5
27/08/2011	13:26:22	0	0	0	0	0	0	0	0,155	153,5
27/08/2011	13:26:37	0	0	0	0	0	0	0	0,191	221,2
27/08/2011	13:26:52	0	0	0	0	0	0	0	0,192	16,3
27/08/2011	13:27:07	0	0	0	0	0	0	0	0,226	28,1
27/08/2011	13:27:22	0	0	0	0	0	0	0	0	72,5
27/08/2011	13:27:37	0	0	0	0	0	0	0	0,024	192,1
27/08/2011	13:27:52	0	0	0	0	0	0	0	0	304,4
27/08/2011	13:28:07	0	0	0	0	0	0	0	0	254,5
27/08/2011	13:28:22	0	0	0	0	0	0	0	0	358
27/08/2011	13:28:37	0	0	0	0	0	0	0	0	341
27/08/2011	13:28:52	0	0	0	0	0	0	0	0	17,5

Estação: #04.CAL										
Header created by DATALOG on 27/8/2011 18:53:47										
Device: BFM308, Serial number: 23040										
Header text: grtestP27										
Sampling period (x5 secs): 3, Averaging period: 1										
Impeller coefficients: 17 +1.4143848e-13 -3.5488315e-11 +2.4620726e-09 -5.5286980e-10 -4.8345065e-06 +1.6050162e-04 +5.6165943e-02 +1.7216420e-02										
Speed of sound formula Chen & Millero										
Date	Time	Conductivity	Temperature	Pressure	Salinity	Density	SoundSpeed	Flow	Direction	
27/08/2011	18:34:41	0	0	0	0	0	0	0,024	20,4	
27/08/2011	18:34:56	0	0	0	0	0	0	0	200,7	
27/08/2011	18:35:11	0	0	0	0	0	0	0	111,7	
27/08/2011	18:35:26	0	0	0	0	0	0	0	110	
27/08/2011	18:35:41	0	0	0	0	0	0	0	114,7	
27/08/2011	18:35:56	0	0	0	0	0	0	0	119,3	
27/08/2011	18:36:11	0	0	0	0	0	0	0,269	359,6	
27/08/2011	18:36:26	0	0	0	0	0	0	1,575	11	
27/08/2011	18:36:41	0	0	0	0	0	0	0,49	326,7	
27/08/2011	18:36:56	0	0	0	0	0	0	0,72	163,1	
27/08/2011	18:37:11	0	0	0	0	0	0	0,822	132,4	
27/08/2011	18:37:26	0	0	0	0	0	0	0,493	153,9	
27/08/2011	18:37:41	0	0	0	0	0	0	0,3	144	
27/08/2011	18:37:56	0	0	0	0	0	0	0,474	144,3	
27/08/2011	18:38:11	0	0	0	0	0	0	0,377	149,7	
27/08/2011	18:38:26	0	0	0	0	0	0	0,396	146,4	
27/08/2011	18:38:41	0	0	0	0	0	0	0,455	147,4	
27/08/2011	18:38:56	0	0	0	0	0	0	0,493	151,2	
27/08/2011	18:39:11	0	0	0	0	0	0	0,397	146,1	
27/08/2011	18:39:26	0	0	0	0	0	0	0,45	146,5	
27/08/2011	18:39:41	0	0	0	0	0	0	0,414	141,4	
27/08/2011	18:39:56	0	0	0	0	0	0	0,337	131,5	
27/08/2011	18:40:11	0	0	0	0	0	0	0,3	127,5	
27/08/2011	18:40:26	0	0	0	0	0	0	0,358	130,6	
27/08/2011	18:40:41	0	0	0	0	0	0	0,377	130,9	
27/08/2011	18:40:56	0	0	0	0	0	0	0,454	135,2	
27/08/2011	18:41:11	0	0	0	0	0	0	0,492	136,3	
27/08/2011	18:41:26	0	0	0	0	0	0	0,531	143,3	
27/08/2011	18:41:41	0	0	0	0	0	0	0,416	136,6	
27/08/2011	18:41:56	0	0	0	0	0	0	0,358	135,8	
27/08/2011	18:42:11	0	0	0	0	0	0	0,358	140	
27/08/2011	18:42:26	0	0	0	0	0	0	0,433	140	
27/08/2011	18:42:41	0	0	0	0	0	0	0,434	143,8	
27/08/2011	18:42:56	0	0	0	0	0	0	0,358	140,6	
27/08/2011	18:43:11	0	0	0	0	0	0	0,222	121,4	
27/08/2011	18:43:26	0	0	0	0	0	0	0,208	47,3	
27/08/2011	18:43:41	0	0	0	0	0	0	0,174	67,1	
27/08/2011	18:43:56	0	0	0	0	0	0	0,3	138,2	
27/08/2011	18:44:11	0	0	0	0	0	0	0,377	142,4	
27/08/2011	18:44:26	0	0	0	0	0	0	0,473	145,7	
27/08/2011	18:44:41	0	0	0	0	0	0	0,474	147,6	
27/08/2011	18:44:56	0	0	0	0	0	0	0,549	136,6	
27/08/2011	18:45:11	0	0	0	0	0	0	0,434	132,7	

	RELATÓRIO TÉCNICO	Nº	RT - MA02/2011	REV.:	0
				DATA.:	JANEIRO DE 2012
	PROGRAMA:	Atividade de Produção de Petróleo e Gás no Campo de Frade, Bacia de Campos			FOLHA:
TÍTULO:	Projeto de Monitoramento Ambiental (PMA)			CAMPANHA:	CAMPANHA 2

Estação: #04.CAL										
27/08/2011	18:45:26	0	0	0	0	0	0	0	0,3	126,8
27/08/2011	18:45:41	0	0	0	0	0	0	0	0,301	126,6
27/08/2011	18:45:56	0	0	0	0	0	0	0	0,281	136,6
27/08/2011	18:46:11	0	0	0	0	0	0	0	0,397	137,5
27/08/2011	18:46:26	0	0	0	0	0	0	0	0,397	135,6
27/08/2011	18:46:41	0	0	0	0	0	0	0	0,435	142,3
27/08/2011	18:46:56	0	0	0	0	0	0	0	0,455	142,8
27/08/2011	18:47:11	0	0	0	0	0	0	0	0,685	157,1
27/08/2011	18:47:26	0	0	0	0	0	0	0	0,699	154,5
27/08/2011	18:47:41	0	0	0	0	0	0	0	0,472	172,4
27/08/2011	18:47:56	0	0	0	0	0	0	0	0,598	179,8
27/08/2011	18:48:11	0	0	0	0	0	0	0	0,558	45,9
27/08/2011	18:48:26	0	0	0	0	0	0	0	0,088	323,5
27/08/2011	18:48:41	0	0	0	0	0	0	0	0,024	314,8
27/08/2011	18:48:56	0	0	0	0	0	0	0	0,024	314,5
27/08/2011	18:49:11	0	0	0	0	0	0	0	0,121	123,7
27/08/2011	18:49:26	0	0	0	0	0	0	0	0,069	93,8
27/08/2011	18:49:41	0	0	0	0	0	0	0	0	275,4
27/08/2011	18:49:56	0	0	0	0	0	0	0	0,024	303,3
27/08/2011	18:50:11	0	0	0	0	0	0	0	0	302,1
27/08/2011	18:50:26	0	0	0	0	0	0	0	0	305,6
27/08/2011	18:50:41	0	0	0	0	0	0	0	0	291,4
27/08/2011	18:50:56	0	0	0	0	0	0	0	0	311,9

Estação: #09.CAL										
Header created by DATALOG on 26/8/2011 15:16:11										
Device: BFM308, Serial number: 23040										
Header text: grtestP27										
Sampling period (x5 secs): 3, Averaging period: 1										
Impeller coefficients: 17 +1.4143848e-13 -3.5488315e-11 +2.4620726e-09 -5.5286980e-10 -4.8345065e-06 +1.6050162e-04 +5.6165943e-02 +1.7216420e-02										
Speed of sound formula Chen & Millero										
Date	Time	Conductivity	Temperature	Pressure	Salinity	Density	SoundSpeed	Flow	Direction	
26/08/2011	14:59:09	0	0	0	0	0	0	0	0	171,7
26/08/2011	14:59:24	0	0	0	0	0	0	0,024	98,3	
26/08/2011	14:59:39	0	0	0	0	0	0	0	0	214,2
26/08/2011	14:59:54	0	0	0	0	0	0	0,049	213,5	
26/08/2011	15:00:09	0	0	0	0	0	0	0,067	148,1	
26/08/2011	15:00:24	0	0	0	0	0	0	0,366	109	
26/08/2011	15:00:39	0	0	0	0	0	0	0,977	189,2	
26/08/2011	15:00:54	0	0	0	0	0	0	0,625	113,2	
26/08/2011	15:01:09	0	0	0	0	0	0	0,188	113,7	
26/08/2011	15:01:24	0	0	0	0	0	0	0,181	33,8	
26/08/2011	15:01:39	0	0	0	0	0	0	0,313	50,3	
26/08/2011	15:01:54	0	0	0	0	0	0	0,297	49,5	
26/08/2011	15:02:09	0	0	0	0	0	0	0,377	45,8	
26/08/2011	15:02:24	0	0	0	0	0	0	0,399	66,3	
26/08/2011	15:02:39	0	0	0	0	0	0	0,448	76,8	
26/08/2011	15:02:54	0	0	0	0	0	0	0,493	76,4	
26/08/2011	15:03:09	0	0	0	0	0	0	0,493	64,9	
26/08/2011	15:03:24	0	0	0	0	0	0	0,512	56,6	
26/08/2011	15:03:39	0	0	0	0	0	0	0,351	73,1	
26/08/2011	15:03:54	0	0	0	0	0	0	0,346	122,9	
26/08/2011	15:04:09	0	0	0	0	0	0	0,301	147,2	
26/08/2011	15:04:24	0	0	0	0	0	0	0,223	149,9	
26/08/2011	15:04:39	0	0	0	0	0	0	0,072	162	
26/08/2011	15:04:54	0	0	0	0	0	0	0,128	178,6	
26/08/2011	15:05:09	0	0	0	0	0	0	0,224	221,3	
26/08/2011	15:05:24	0	0	0	0	0	0	0,184	244	
26/08/2011	15:05:39	0	0	0	0	0	0	0,22	265,2	
26/08/2011	15:05:54	0	0	0	0	0	0	0,275	275,4	
26/08/2011	15:06:09	0	0	0	0	0	0	0,224	293,6	
26/08/2011	15:06:24	0	0	0	0	0	0	0,213	297,4	
26/08/2011	15:06:39	0	0	0	0	0	0	0,141	314,2	
26/08/2011	15:06:54	0	0	0	0	0	0	0,081	289	
26/08/2011	15:07:09	0	0	0	0	0	0	0,243	127,7	
26/08/2011	15:07:24	0	0	0	0	0	0	0,397	136,9	
26/08/2011	15:07:39	0	0	0	0	0	0	0,41	131,6	
26/08/2011	15:07:54	0	0	0	0	0	0	0,466	125,1	
26/08/2011	15:08:09	0	0	0	0	0	0	0,47	124,7	
26/08/2011	15:08:24	0	0	0	0	0	0	0,397	115,1	

	RELATÓRIO TÉCNICO	Nº	RT - MA02/2011	REV.:	0
	PROGRAMA: Atividade de Produção de Petróleo e Gás no Campo de Frade, Bacia de Campos			DATA.:	JANEIRO DE 2012
	TÍTULO: Projeto de Monitoramento Ambiental (PMA)			FOLHA:	5 de 9
				CAMPANHA:	CAMPANHA 2

Estação: #09.CAL										
26/08/2011	15:08:39	0	0	0	0	0	0	0	0,314	101,2
26/08/2011	15:08:54	0	0	0	0	0	0	0	0,245	86,1
26/08/2011	15:09:09	0	0	0	0	0	0	0	0,167	65,6
26/08/2011	15:09:24	0	0	0	0	0	0	0	0,167	339,6
26/08/2011	15:09:39	0	0	0	0	0	0	0	0,298	342
26/08/2011	15:09:54	0	0	0	0	0	0	0	0,299	8,7
26/08/2011	15:10:09	0	0	0	0	0	0	0	0,243	310,6
26/08/2011	15:10:24	0	0	0	0	0	0	0	0,243	198,9
26/08/2011	15:10:39	0	0	0	0	0	0	0	0,224	197,7
26/08/2011	15:10:54	0	0	0	0	0	0	0	0,416	168,2
26/08/2011	15:11:09	0	0	0	0	0	0	0	0,181	164,9
26/08/2011	15:11:24	0	0	0	0	0	0	0	0,435	161,7
26/08/2011	15:11:39	0	0	0	0	0	0	0	0,683	142,6
26/08/2011	15:11:54	0	0	0	0	0	0	0	0,659	131,7
26/08/2011	15:12:09	0	0	0	0	0	0	0	0,29	115,5
26/08/2011	15:12:24	0	0	0	0	0	0	0	0,303	185,3
26/08/2011	15:12:39	0	0	0	0	0	0	0	0,3	167,5
26/08/2011	15:12:54	0	0	0	0	0	0	0	0,159	118,9
26/08/2011	15:13:09	0	0	0	0	0	0	0	0,024	77,5
26/08/2011	15:13:24	0	0	0	0	0	0	0	0,024	79,7
26/08/2011	15:13:39	0	0	0	0	0	0	0	0	158,9
26/08/2011	15:13:54	0	0	0	0	0	0	0	0	167,4

Estação: #10.CAL										
Header created by DATALOG on 26/8/2011 14:20:32										
Device: BFM308, Serial number: 23040										
Header text: grtestP27										
Sampling period (x5 secs): 3, Averaging period: 1										
Impeller coefficients: 17 +1.4143848e-13 -3.5488315e-11 +2.4620726e-09 -5.5286980e-10 -4.8345065e-06 +1.6050162e-04 +5.6165943e-02 +1.7216420e-02										
Speed of sound formula Chen & Millero										
Date	Time	Conductivity	Temperature	Pressure	Salinity	Density	SoundSpeed	Flow	Direction	
26/08/2011	13:59:04	0	0	0	0	0	0	0	68,6	
26/08/2011	13:59:19	0	0	0	0	0	0	0	97,1	
26/08/2011	13:59:34	0	0	0	0	0	0	0	114,1	
26/08/2011	13:59:49	0	0	0	0	0	0	0,024	105,2	
26/08/2011	14:00:04	0	0	0	0	0	0	0	80,8	
26/08/2011	14:00:19	0	0	0	0	0	0	0,599	90,4	
26/08/2011	14:00:34	0	0	0	0	0	0	1,936	190,1	
26/08/2011	14:00:49	0	0	0	0	0	0	0,362	139,2	
26/08/2011	14:01:04	0	0	0	0	0	0	0,523	74,9	
26/08/2011	14:01:19	0	0	0	0	0	0	0,957	61	
26/08/2011	14:01:34	0	0	0	0	0	0	0,917	42,1	
26/08/2011	14:01:49	0	0	0	0	0	0	0,87	68,8	
26/08/2011	14:02:04	0	0	0	0	0	0	0,667	85,7	
26/08/2011	14:02:19	0	0	0	0	0	0	0,666	80,1	
26/08/2011	14:02:34	0	0	0	0	0	0	0,724	79,8	
26/08/2011	14:02:49	0	0	0	0	0	0	0,624	93,4	
26/08/2011	14:03:04	0	0	0	0	0	0	0,416	106,3	
26/08/2011	14:03:19	0	0	0	0	0	0	0,157	120,8	
26/08/2011	14:03:34	0	0	0	0	0	0	0,148	225,8	
26/08/2011	14:03:49	0	0	0	0	0	0	0,079	277,3	
26/08/2011	14:04:04	0	0	0	0	0	0	0,254	26	
26/08/2011	14:04:19	0	0	0	0	0	0	0,104	91	
26/08/2011	14:04:34	0	0	0	0	0	0	0,263	32,9	
26/08/2011	14:04:49	0	0	0	0	0	0	0,308	141,2	
26/08/2011	14:05:04	0	0	0	0	0	0	0,261	165,9	
26/08/2011	14:05:19	0	0	0	0	0	0	0,296	146,8	
26/08/2011	14:05:34	0	0	0	0	0	0	0,204	136,8	
26/08/2011	14:05:49	0	0	0	0	0	0	0,109	124,2	
26/08/2011	14:06:04	0	0	0	0	0	0	0,212	69,1	
26/08/2011	14:06:19	0	0	0	0	0	0	0,203	340,6	
26/08/2011	14:06:34	0	0	0	0	0	0	0,174	267,4	
26/08/2011	14:06:49	0	0	0	0	0	0	0,529	253,9	
26/08/2011	14:07:04	0	0	0	0	0	0	0,148	267,3	
26/08/2011	14:07:19	0	0	0	0	0	0	0,26	271,6	
26/08/2011	14:07:34	0	0	0	0	0	0	0,316	284,7	
26/08/2011	14:07:49	0	0	0	0	0	0	0,162	292,5	
26/08/2011	14:08:04	0	0	0	0	0	0	0,26	316,1	
26/08/2011	14:08:19	0	0	0	0	0	0	0,124	25,9	
26/08/2011	14:08:34	0	0	0	0	0	0	0,146	77,8	

	RELATÓRIO TÉCNICO	Nº	RT - MA02/2011	REV.:	0
	PROGRAMA: Atividade de Produção de Petróleo e Gás no Campo de Frade, Bacia de Campos			DATA.:	JANEIRO DE 2012
	TÍTULO: Projeto de Monitoramento Ambiental (PMA)			FOLHA:	6 de 9
				CAMPANHA:	CAMPANHA 2

Estação: #10.CAL										
26/08/2011	14:08:49	0	0	0	0	0	0	0	0,203	83,3
26/08/2011	14:09:04	0	0	0	0	0	0	0	0,318	66,2
26/08/2011	14:09:19	0	0	0	0	0	0	0	0,299	61,1
26/08/2011	14:09:34	0	0	0	0	0	0	0	0,378	56,9
26/08/2011	14:09:49	0	0	0	0	0	0	0	0,433	65,7
26/08/2011	14:10:04	0	0	0	0	0	0	0	0,45	81,5
26/08/2011	14:10:19	0	0	0	0	0	0	0	0,474	77,7
26/08/2011	14:10:34	0	0	0	0	0	0	0	0,473	79
26/08/2011	14:10:49	0	0	0	0	0	0	0	0,412	92,2
26/08/2011	14:11:04	0	0	0	0	0	0	0	0,397	101
26/08/2011	14:11:19	0	0	0	0	0	0	0	0,319	94
26/08/2011	14:11:34	0	0	0	0	0	0	0	0,395	74,3
26/08/2011	14:11:49	0	0	0	0	0	0	0	0,378	114,1
26/08/2011	14:12:04	0	0	0	0	0	0	0	0,319	215,2
26/08/2011	14:12:19	0	0	0	0	0	0	0	0,224	213,6
26/08/2011	14:12:34	0	0	0	0	0	0	0	0,221	235,7
26/08/2011	14:12:49	0	0	0	0	0	0	0	0,221	265,5
26/08/2011	14:13:04	0	0	0	0	0	0	0	0,302	328,7
26/08/2011	14:13:19	0	0	0	0	0	0	0	0,204	19,8
26/08/2011	14:13:34	0	0	0	0	0	0	0	0,222	357,5
26/08/2011	14:13:49	0	0	0	0	0	0	0	0,297	351,3
26/08/2011	14:14:04	0	0	0	0	0	0	0	0,158	326,2
26/08/2011	14:14:19	0	0	0	0	0	0	0	0,083	239,4
26/08/2011	14:14:34	0	0	0	0	0	0	0	0,264	174,1
26/08/2011	14:14:49	0	0	0	0	0	0	0	0,159	78,8
26/08/2011	14:15:04	0	0	0	0	0	0	0	0,253	59,1
26/08/2011	14:15:19	0	0	0	0	0	0	0	0,357	30,9
26/08/2011	14:15:34	0	0	0	0	0	0	0	0,628	27,4
26/08/2011	14:15:49	0	0	0	0	0	0	0	0,667	55
26/08/2011	14:16:04	0	0	0	0	0	0	0	0,745	97,2
26/08/2011	14:16:19	0	0	0	0	0	0	0	0,874	98,9
26/08/2011	14:16:34	0	0	0	0	0	0	0	0,911	135,8
26/08/2011	14:16:49	0	0	0	0	0	0	0	0,865	246,6
26/08/2011	14:17:04	0	0	0	0	0	0	0	0,389	134,4
26/08/2011	14:17:19	0	0	0	0	0	0	0	0	301,5
26/08/2011	14:17:34	0	0	0	0	0	0	0	0	302,7
26/08/2011	14:17:49	0	0	0	0	0	0	0	0	261,3
26/08/2011	14:18:04	0	0	0	0	0	0	0	0	165,4
26/08/2011	14:18:19	0	0	0	0	0	0	0	0	149,3
26/08/2011	14:18:34	0	0	0	0	0	0	0	0	165,3
26/08/2011	14:18:49	0	0	0	0	0	0	0	0	164,8
26/08/2011	14:19:04	0	0	0	0	0	0	0	0	162,5

Estação: #16.CAL										
Header created by DATALOG on 26/8/2011 12:19:16										
Device: BFM308, Serial number: 23040										
Header text: grtestP27										
Sampling period (x5 secs): 3, Averaging period: 1										
Impeller coefficients: 17 +1.4143848e-13 -3.5488315e-11 +2.4620726e-09 -5.5286980e-10 -4.8345065e-06 +1.6050162e-04 +5.6165943e-02 +1.7216420e-02										
Speed of sound formula Chen & Millero										
Date	Time	Conductivity	Temperature	Pressure	Salinity	Density	SoundSpeed	Flow	Direction	
26/08/2011	11:52:40	0	0	0	0	0	0	0	0	64
26/08/2011	11:52:55	0	0	0	0	0	0	0	0	60,3
26/08/2011	11:53:10	0	0	0	0	0	0	0	0	58,5
26/08/2011	11:53:25	0	0	0	0	0	0	0	0	69,1
26/08/2011	11:53:40	0	0	0	0	0	0	0	0	206,4
26/08/2011	11:53:55	0	0	0	0	0	0	0,355	0	56,6
26/08/2011	11:54:10	0	0	0	0	0	0	1,013	0	51
26/08/2011	11:54:25	0	0	0	0	0	0	1,06	0	53,6
26/08/2011	11:54:40	0	0	0	0	0	0	2,029	0	63,5
26/08/2011	11:54:55	0	0	0	0	0	0	1,422	0	70,2
26/08/2011	11:55:10	0	0	0	0	0	0	0,501	0	88,7
26/08/2011	11:55:25	0	0	0	0	0	0	0	0	179,6
26/08/2011	11:55:40	0	0	0	0	0	0	0	0	212,5
26/08/2011	11:55:55	0	0	0	0	0	0	0,024	0	203,4
26/08/2011	11:56:10	0	0	0	0	0	0	0,043	0	232
26/08/2011	11:56:25	0	0	0	0	0	0	0	0	233,2
26/08/2011	11:56:40	0	0	0	0	0	0	0,105	0	228,8
26/08/2011	11:56:55	0	0	0	0	0	0	0,062	0	210,9
26/08/2011	11:57:10	0	0	0	0	0	0	0,111	0	209,9

	<b>RELATÓRIO TÉCNICO</b>		Nº	<b>RT - MA02/2011</b>		REV.:	<b>0</b>		
						DATA.:	<b>JANEIRO DE 2012</b>		
	<b>PROGRAMA:</b>		<b>Atividade de Produção de Petróleo e Gás no Campo de Frade, Bacia de Campos</b>				FOLHA:	<b>7 de 9</b>	
	<b>TÍTULO:</b>		<b>Projeto de Monitoramento Ambiental (PMA)</b>				CAMPANHA:	<b>CAMPANHA 2</b>	

<b>Estação: #16.CAL</b>										
26/08/2011	11:57:25	0	0	0	0	0	0	0	0,043	195,7
26/08/2011	11:57:40	0	0	0	0	0	0	0	0,206	187
26/08/2011	11:57:55	0	0	0	0	0	0	0	0,38	176
26/08/2011	11:58:10	0	0	0	0	0	0	0	0,105	173,2
26/08/2011	11:58:25	0	0	0	0	0	0	0	0,497	89,3
26/08/2011	11:58:40	0	0	0	0	0	0	0	0,985	151
26/08/2011	11:58:55	0	0	0	0	0	0	0	0,577	184,5
26/08/2011	11:59:10	0	0	0	0	0	0	0	0,746	116,8
26/08/2011	11:59:25	0	0	0	0	0	0	0	0,592	141,1
26/08/2011	11:59:40	0	0	0	0	0	0	0	0,453	157,9
26/08/2011	11:59:55	0	0	0	0	0	0	0	0,313	156,5
26/08/2011	12:00:10	0	0	0	0	0	0	0	0,354	160,6
26/08/2011	12:00:25	0	0	0	0	0	0	0	0,187	170
26/08/2011	12:00:40	0	0	0	0	0	0	0	0,186	174,9
26/08/2011	12:00:55	0	0	0	0	0	0	0	0,109	206,5
26/08/2011	12:01:10	0	0	0	0	0	0	0	0,243	244,9
26/08/2011	12:01:25	0	0	0	0	0	0	0	0,234	243
26/08/2011	12:01:40	0	0	0	0	0	0	0	0,108	247,6
26/08/2011	12:01:55	0	0	0	0	0	0	0	0,127	240,5
26/08/2011	12:02:10	0	0	0	0	0	0	0	0,138	224,9
26/08/2011	12:02:25	0	0	0	0	0	0	0	0,09	181,2
26/08/2011	12:02:40	0	0	0	0	0	0	0	0,289	138,1
26/08/2011	12:02:55	0	0	0	0	0	0	0	0,221	131,5
26/08/2011	12:03:10	0	0	0	0	0	0	0	0,252	100,7
26/08/2011	12:03:25	0	0	0	0	0	0	0	0,453	96,4
26/08/2011	12:03:40	0	0	0	0	0	0	0	0,191	95,3
26/08/2011	12:03:55	0	0	0	0	0	0	0	0,229	79,8
26/08/2011	12:04:10	0	0	0	0	0	0	0	0,304	63,4
26/08/2011	12:04:25	0	0	0	0	0	0	0	0,226	135,8
26/08/2011	12:04:40	0	0	0	0	0	0	0	0,278	208,6
26/08/2011	12:04:55	0	0	0	0	0	0	0	0,164	208,7
26/08/2011	12:05:10	0	0	0	0	0	0	0	0,11	215,2
26/08/2011	12:05:25	0	0	0	0	0	0	0	0,32	180,7
26/08/2011	12:05:40	0	0	0	0	0	0	0	0,287	182,3
26/08/2011	12:05:55	0	0	0	0	0	0	0	0,221	154,2
26/08/2011	12:06:10	0	0	0	0	0	0	0	0,243	145
26/08/2011	12:06:25	0	0	0	0	0	0	0	0,26	123,4
26/08/2011	12:06:40	0	0	0	0	0	0	0	0,27	120,1
26/08/2011	12:06:55	0	0	0	0	0	0	0	0,252	122,4
26/08/2011	12:07:10	0	0	0	0	0	0	0	0,262	126,5
26/08/2011	12:07:25	0	0	0	0	0	0	0	0,345	135,2
26/08/2011	12:07:40	0	0	0	0	0	0	0	0,204	146,6
26/08/2011	12:07:55	0	0	0	0	0	0	0	0,16	125,3
26/08/2011	12:08:10	0	0	0	0	0	0	0	0,269	149,6
26/08/2011	12:08:25	0	0	0	0	0	0	0	0,196	217,6
26/08/2011	12:08:40	0	0	0	0	0	0	0	0,043	162,9
26/08/2011	12:08:55	0	0	0	0	0	0	0	0,043	204,5
26/08/2011	12:09:10	0	0	0	0	0	0	0	0,296	220,1
26/08/2011	12:09:25	0	0	0	0	0	0	0	0,392	212,9
26/08/2011	12:09:40	0	0	0	0	0	0	0	0,163	232,4
26/08/2011	12:09:55	0	0	0	0	0	0	0	0,318	242,8
26/08/2011	12:10:10	0	0	0	0	0	0	0	0,244	243,3
26/08/2011	12:10:25	0	0	0	0	0	0	0	0,199	235
26/08/2011	12:10:40	0	0	0	0	0	0	0	0,13	223,7
26/08/2011	12:10:55	0	0	0	0	0	0	0	0,187	212,9
26/08/2011	12:11:10	0	0	0	0	0	0	0	0,229	157,5
26/08/2011	12:11:25	0	0	0	0	0	0	0	0,221	158
26/08/2011	12:11:40	0	0	0	0	0	0	0	0,263	152,8
26/08/2011	12:11:55	0	0	0	0	0	0	0	0,108	133,8
26/08/2011	12:12:10	0	0	0	0	0	0	0	0,156	108,9
26/08/2011	12:12:25	0	0	0	0	0	0	0	0,281	83,2
26/08/2011	12:12:40	0	0	0	0	0	0	0	0,285	94,7
26/08/2011	12:12:55	0	0	0	0	0	0	0	0,335	57,5
26/08/2011	12:13:10	0	0	0	0	0	0	0	0,179	84,6
26/08/2011	12:13:25	0	0	0	0	0	0	0	0,215	169,3
26/08/2011	12:13:40	0	0	0	0	0	0	0	0,242	168,9
26/08/2011	12:13:55	0	0	0	0	0	0	0	0,26	96,7
26/08/2011	12:14:10	0	0	0	0	0	0	0	0,129	124,5
26/08/2011	12:14:25	0	0	0	0	0	0	0	0,416	265,3
26/08/2011	12:14:40	0	0	0	0	0	0	0	0,732	256,4
26/08/2011	12:14:55	0	0	0	0	0	0	0	0,333	316,2
26/08/2011	12:15:10	0	0	0	0	0	0	0	0,168	309,8



	RELATÓRIO TÉCNICO	Nº	RT - MA02/2011	REV.:	0
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Estação: #16.CAL									
26/08/2011	12:15:25	0	0	0	0	0	0	0,024	295,6
26/08/2011	12:15:40	0	0	0	0	0	0	0,024	307,6
26/08/2011	12:15:55	0	0	0	0	0	0	0	350,1
26/08/2011	12:16:10	0	0	0	0	0	0	0,043	350,4
26/08/2011	12:16:25	0	0	0	0	0	0	0,026	198,4
26/08/2011	12:16:40	0	0	0	0	0	0	0,062	143,7
26/08/2011	12:16:55	0	0	0	0	0	0	0	172,7

Estação: #20.CAL									
Header created by DATALOG on 27/8/2011 01:16:54									
Device: BFM308, Serial number: 23040									
Header text: grtestP27									
Sampling period (x5 secs): 3, Averaging period: 1									
Impeller coefficients: 17 +1.4143848e-13 -3.5488315e-11 +2.4620726e-09 -5.5286980e-10 -4.8345065e-06 +1.6050162e-04 +5.6165943e-02 +1.7216420e-02									
Speed of sound formula Chen & Millero									
Date	Time	Conductivity	Temperature	Pressure	Salinity	Density	SoundSpeed	Flow	Direction
27/08/2011	00:56:18	0	0	0	0	0	0	0	304,6
27/08/2011	00:56:33	0	0	0	0	0	0	0,024	306,1
27/08/2011	00:56:48	0	0	0	0	0	0	0	319,5
27/08/2011	00:57:03	0	0	0	0	0	0	0	299,4
27/08/2011	00:57:18	0	0	0	0	0	0	0	257,4
27/08/2011	00:57:33	0	0	0	0	0	0	0	256,3
27/08/2011	00:57:48	0	0	0	0	0	0	0	268,8
27/08/2011	00:58:03	0	0	0	0	0	0	0	302,4
27/08/2011	00:58:18	0	0	0	0	0	0	0,34	11
27/08/2011	00:58:33	0	0	0	0	0	0	0,47	25
27/08/2011	00:58:48	0	0	0	0	0	0	0,677	29,1
27/08/2011	00:59:03	0	0	0	0	0	0	0,684	49,1
27/08/2011	00:59:18	0	0	0	0	0	0	0,635	39,8
27/08/2011	00:59:33	0	0	0	0	0	0	0,473	39
27/08/2011	00:59:48	0	0	0	0	0	0	0,471	28,6
27/08/2011	01:00:03	0	0	0	0	0	0	0,278	18,9
27/08/2011	01:00:18	0	0	0	0	0	0	0,27	233
27/08/2011	01:00:33	0	0	0	0	0	0	0,279	212,7
27/08/2011	01:00:48	0	0	0	0	0	0	0,281	212,8
27/08/2011	01:01:03	0	0	0	0	0	0	0,263	201,2
27/08/2011	01:01:18	0	0	0	0	0	0	0,262	202,1
27/08/2011	01:01:33	0	0	0	0	0	0	0,243	207,5
27/08/2011	01:01:48	0	0	0	0	0	0	0,241	209,1
27/08/2011	01:02:03	0	0	0	0	0	0	0,376	203,7
27/08/2011	01:02:18	0	0	0	0	0	0	0,377	209,8
27/08/2011	01:02:33	0	0	0	0	0	0	0,454	204,9
27/08/2011	01:02:48	0	0	0	0	0	0	0,548	201,4
27/08/2011	01:03:03	0	0	0	0	0	0	0,568	204,3
27/08/2011	01:03:18	0	0	0	0	0	0	0,551	199,9
27/08/2011	01:03:33	0	0	0	0	0	0	0,569	199,7
27/08/2011	01:03:48	0	0	0	0	0	0	0,625	200
27/08/2011	01:04:03	0	0	0	0	0	0	0,551	197,4
27/08/2011	01:04:18	0	0	0	0	0	0	0,57	196,9
27/08/2011	01:04:33	0	0	0	0	0	0	0,57	199,6
27/08/2011	01:04:48	0	0	0	0	0	0	0,512	199,3
27/08/2011	01:05:03	0	0	0	0	0	0	0,454	207,3
27/08/2011	01:05:18	0	0	0	0	0	0	0,434	222
27/08/2011	01:05:33	0	0	0	0	0	0	0,47	230,3
27/08/2011	01:05:48	0	0	0	0	0	0	0,529	243,8
27/08/2011	01:06:03	0	0	0	0	0	0	0,454	245,2
27/08/2011	01:06:18	0	0	0	0	0	0	0,433	253,5
27/08/2011	01:06:33	0	0	0	0	0	0	0,394	257
27/08/2011	01:06:48	0	0	0	0	0	0	0,454	247,3
27/08/2011	01:07:03	0	0	0	0	0	0	0,397	243,9
27/08/2011	01:07:18	0	0	0	0	0	0	0,339	239,5
27/08/2011	01:07:33	0	0	0	0	0	0	0,358	249,7
27/08/2011	01:07:48	0	0	0	0	0	0	0,391	254,4
27/08/2011	01:08:03	0	0	0	0	0	0	0,376	255,4
27/08/2011	01:08:18	0	0	0	0	0	0	0,32	245,4
27/08/2011	01:08:33	0	0	0	0	0	0	0,281	239,8
27/08/2011	01:08:48	0	0	0	0	0	0	0,282	240,5
27/08/2011	01:09:03	0	0	0	0	0	0	0,279	237
27/08/2011	01:09:18	0	0	0	0	0	0	0,412	250,3
27/08/2011	01:09:33	0	0	0	0	0	0	0,413	255,9



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Estação: #20.CAL											
27/08/2011	01:09:48	0	0	0	0	0	0	0	0,396	257,5	
27/08/2011	01:10:03	0	0	0	0	0	0	0	0,391	255,5	
27/08/2011	01:10:18	0	0	0	0	0	0	0	0,337	248,6	
27/08/2011	01:10:33	0	0	0	0	0	0	0	0,377	243,7	
27/08/2011	01:10:48	0	0	0	0	0	0	0	0,358	233,2	
27/08/2011	01:11:03	0	0	0	0	0	0	0	0,355	233,1	
27/08/2011	01:11:18	0	0	0	0	0	0	0	0,338	233,6	
27/08/2011	01:11:33	0	0	0	0	0	0	0	0,301	244,6	
27/08/2011	01:11:48	0	0	0	0	0	0	0	0,222	250,3	
27/08/2011	01:12:03	0	0	0	0	0	0	0	0,377	242,5	
27/08/2011	01:12:18	0	0	0	0	0	0	0	0,312	260,7	
27/08/2011	01:12:33	0	0	0	0	0	0	0	0,32	295,9	
27/08/2011	01:12:48	0	0	0	0	0	0	0	0,298	322,3	
27/08/2011	01:13:03	0	0	0	0	0	0	0	0,235	349,8	
27/08/2011	01:13:18	0	0	0	0	0	0	0	0,163	333	
27/08/2011	01:13:33	0	0	0	0	0	0	0	1,777	344,8	
27/08/2011	01:13:48	0	0	0	0	0	0	0	1,185	343,7	
27/08/2011	01:14:03	0	0	0	0	0	0	0	1,217	183,4	
27/08/2011	01:14:18	0	0	0	0	0	0	0	0,545	195,4	
27/08/2011	01:14:33	0	0	0	0	0	0	0	0,024	237,6	
27/08/2011	01:14:48	0	0	0	0	0	0	0	0,122	229,4	
27/08/2011	01:15:03	0	0	0	0	0	0	0	0	348,9	