

#11

ANT IV / 4

3,5 kHz Protokolle



ANTARKTIS IV

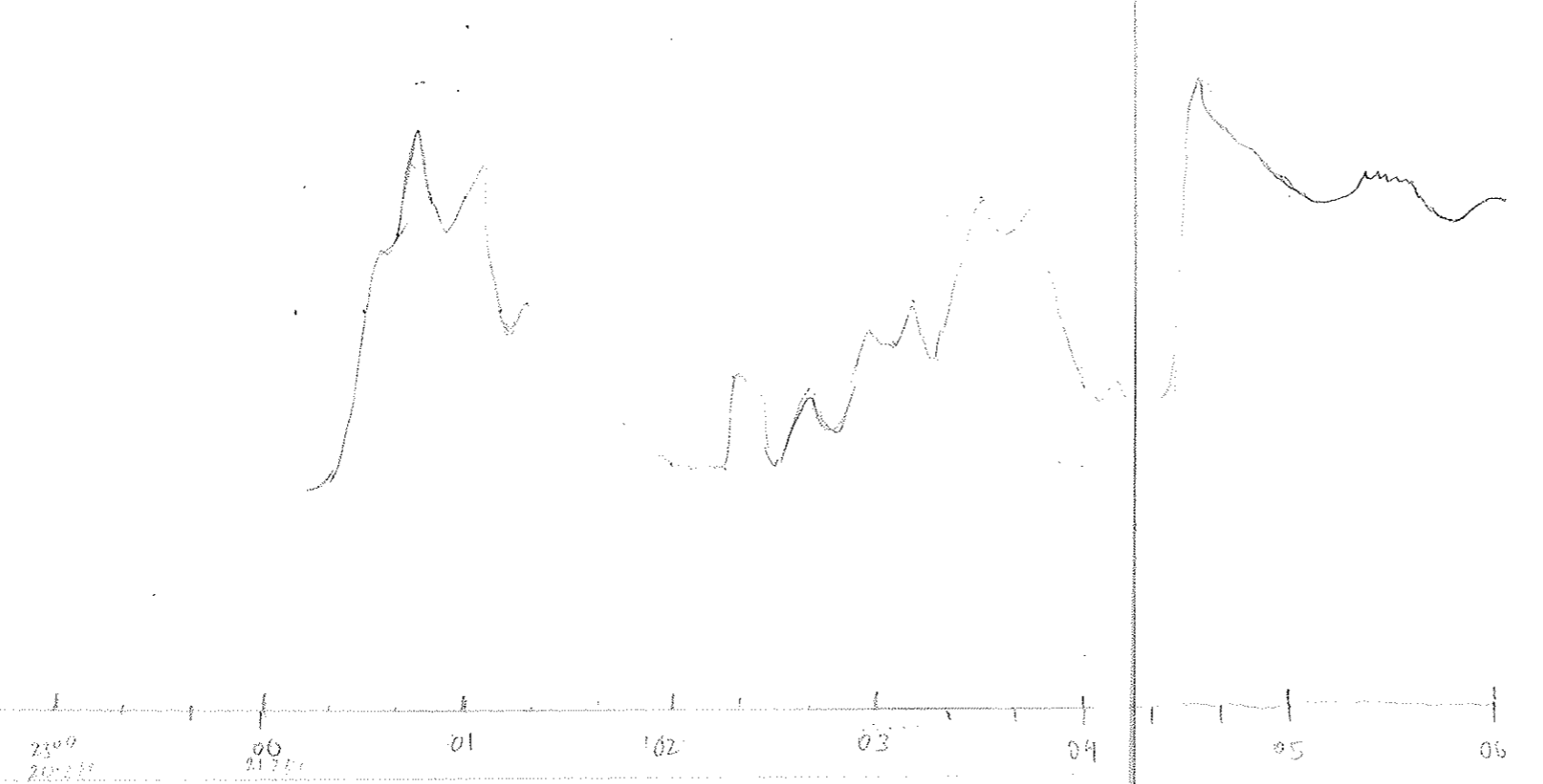
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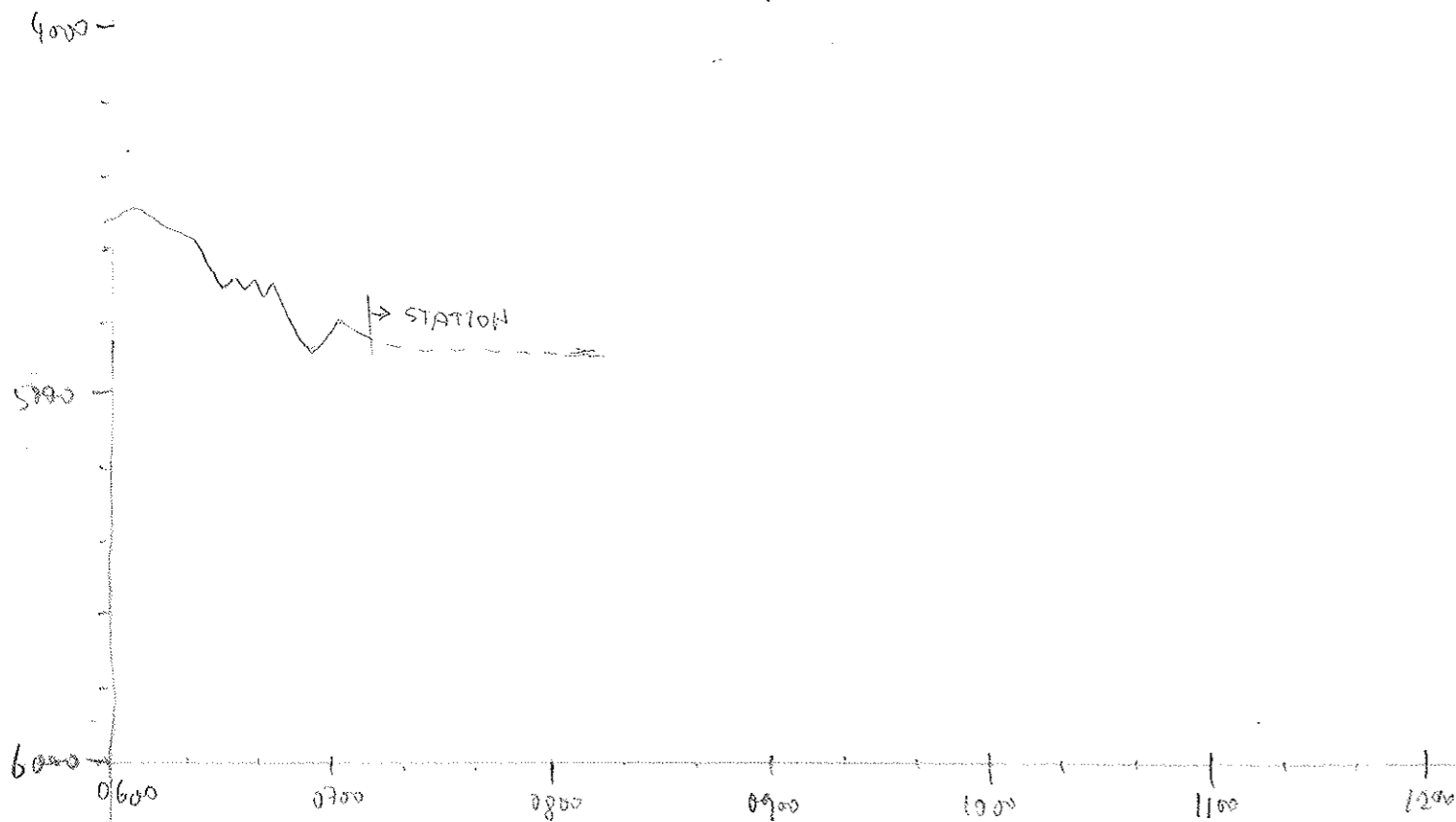
Roll	Profile	Date	Time	Lat S	Lon E	Speed	Course	Depth	Depth-Range	Sweep	Trigger	Delay	Scan	Pulse Length	Note
1	1	18.3.86	11 <sup>00</sup>						4575-4950	7	KP-K-P-	100	500	4	
		20.3.86	19 <sup>00</sup>												
2	1	20.3.86	00 <sup>23</sup>	16 03 68	16 03 68	on station	238.9	5250	5250-5025	5	KP-K-P	0000	500	4	CID station
		21.03.86	00 <sup>25</sup>	16 03 36	16 03 36	10.5	238.9	5333	"	"	"	"	"	"	beaming station
			00 <sup>33</sup>	16 02 03	16 02 68	7.8	185.2	4476	4875-5250	2	KP	"	"	"	
			00 <sup>38</sup>	16 31 41	16 03 30	10.2	188.9	4630	4575-4950	7	KP-K-P	0100	500	4	
			00 <sup>50</sup>	16 33 41	16 01 45	10	189.6	4692	4125-4500	2	KP	0000	500	4	lost signal known
			00 <sup>58</sup>	16 34 77	16 01 64	10	189.8	4720	4575-4950	7	KP-K-P	0000	500	4	lost signal known
			01 <sup>02</sup>	16 35 47	16 01 48	10.1	188.6	4624	4125-4500	7	KP	0000	500	4	
			01 <sup>06</sup>	16 36 06	16 00 04	9.8	189.9	4611	4575-4950	2	KP-K-P	0100	500	4	
			01 <sup>24</sup>	16 37 62	15 59 50	9.9	189.6	4769	4875-5250	7	KP	0000	500	4	
			01 <sup>46</sup>	16 41 55	15 56 49	9.1	185.0	5250	5250-5025	5	KP-K-P	0000	500	4	lost bottom
			02 <sup>03</sup>	16 43 17	15 58 59	9.1	187.9	5201	4875-5250	2	KP	"	"	"	
			02 <sup>07</sup>	16 44 54	15 58 17	9.0	187.7	5211	5250-5025	5	KP	"	"	"	lost bottom
			02 <sup>14</sup>	16 47 38	15 58 07	9.1	188.1	5123	4875-5250	7	KP	"	"	"	
			02 <sup>19</sup>	16 48 27	15 57 83	9.1	186.7	5212	5125-5025	5	KP-K-P	"	"	"	
			02 <sup>40</sup>	16 49 30	15 57 63	9.0	187.6	5233	4875-5250	7	KP	"	"	"	
			03 <sup>23</sup>	16 51 55	15 55 21	9.1	183.0	5619	4500-4875	7	KP-K-P	"	"	"	
			03 <sup>57</sup>	45 01 50	15 54 44	9.1	190.2	4980	4875-5250	2	KP	0000	500	4	very poor return
			04 <sup>19</sup>	45 04 57	15 54 20	9.3	189.7	4500	4500-4875	7	KP-K-P	0000	500	4	no bottom return
			04 <sup>23</sup>	45 05 17	15 54 04	9.7	190.9	4300	4125-4500	2	KP	0000	"	"	wake "
			05 <sup>00</sup>	45 11 18	15 52 48	9.0	188.8	41500	4500-4875	7	KP-K-P	0000	"	"	no bottom trace
			05 <sup>21</sup>	45 14 19	15 52 19	9.3	191.9	4500	4125-4500	2	KP	0000	"	"	"
			05 <sup>52</sup>	45 19 23	15 51 37	9.1	193.6	4580	4500-4875	7	KP-K-P	0000	"	"	"

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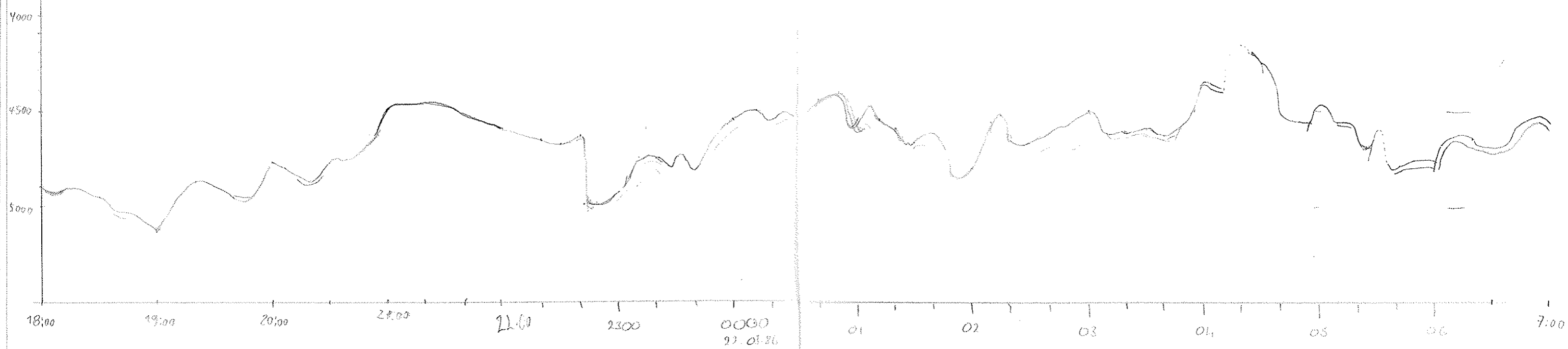


depth

ROLL	PROFILE	DATE	TIME (GMT)	LAT S	LONG E	SPEED	COURSE	DEPTH	DEPTH RANGE	SWEEP	TRIGGER	DELAY	SCAN	PULSE LENGTH	REMARKS	05
2	1	21.03.86	0640	45 26.23	15 49.39	9.4	188.8	4700	4500 - 4875	-	-	-	-	-	records switched off to check transducers	
			0700	45 29.89	15 48.60	-	188.2								CTD station	
			12 31	45 31 36 (45 30,882)	15 49 16 (15 50,540 675)			4958							GK9 STN 1432-1	
			11:00	45 31 67	15 48 10			5001	4875 - 5250	2	KP	0000	500	4	Shindrift in water	
			1507	45 31 90	15 51 59			4920	4875 - 4950	2	KP-K-P	0000	500	4		
			15 33	45 32 06	15 51 76			4930							SL STN 1432-1	

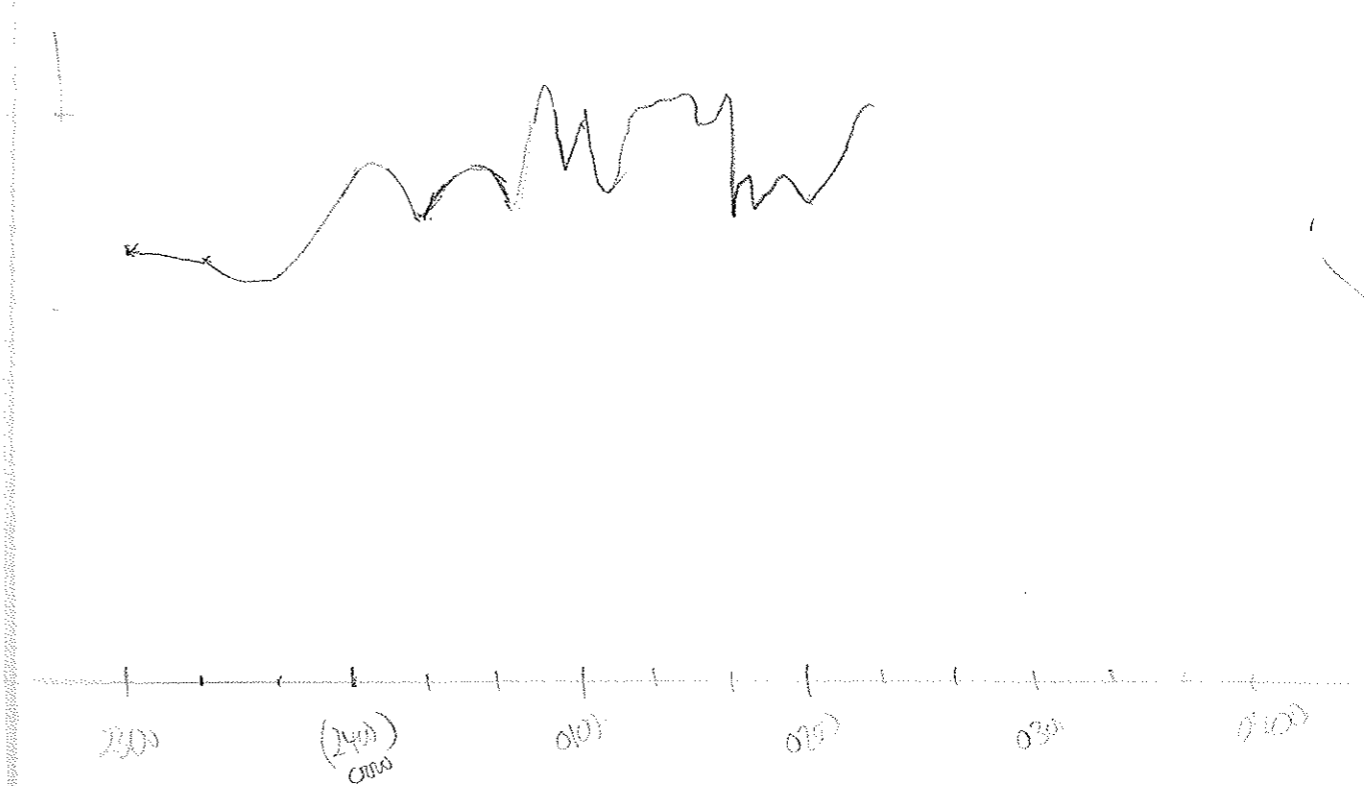
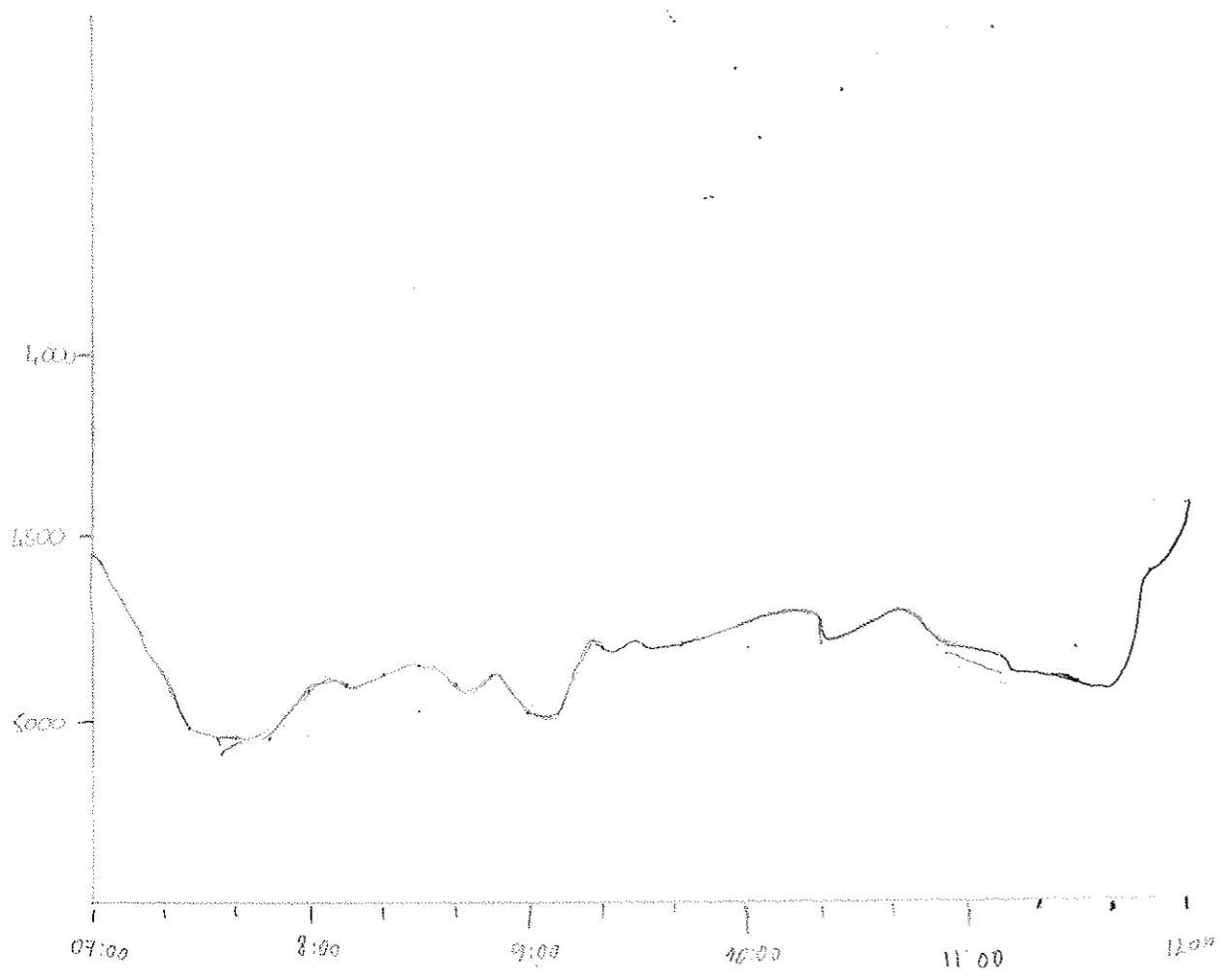


Roll	Profile	Date	Time	LAT	Lon	Speed	Course	Depth	Depth Range	Sweep	Trigger	Delay	Scan	Pulse-length	Remarks		
2	21	21.3.86	18:00	S 45° 34.27'	E 15° 57.32'	8.2	196.2	4980	4575 - 4950	2	KP-K-P-	0100	500	4	Begin Profile		
			18:12	S 45° 35.86'	E 15° 50.66'	8.7	193.5	4955	4875 - 5250		KP	0000			4	Change Range	
			18:30	S 45° 38.78'	E 15° 49.71'	7.8	192.6	5010	"		"	"	"	"	"	"	
			18:50	S 45° 40.82'	E 15° 48.70'	8.3	193.2	5050	"		"	"	"	"	"	"	
			19:00	S 45° 42.08'	E 15° 48.22'	8.3	196.2	5150	"		"	"	"	"	"	"	
			19:10	S 45° 44.87'	E 15° 47.73'	8.0	194.2	4905	4575 - 4950		KP-K-P-	0100					Change Depth Range
			19:40	S 45° 47.36'	E 15° 46.70'	8.4	193.4	4995	4875 - 5250		KP	0000					"
			19:53	S 45° 50.71'	E 15° 47.35'	8.7	196.2	4960	4575 - 4950		KP-K-P-	0100					"
			20:30	S 45° 55.30'	E 15° 45.56'	7.5	192.8	4780	"		"	"	"	"	"	"	
			21:07	S 46° 00.64'	E 15° 45.54'	7	188	4552	4500 - 4875		7	KP-K-P-	0000	500		4	
			21:15	S 46° 01.44'	E 15° 45.32'	7.6	188	5443	4125 - 4500		2	KP	0000	500		4	
			21:24	S 46° 03.07'	E 15° 44.89'	7	141	4541	4500 - 4875		7	KP-K-P-	0000	500		4	
			23:00	S 46° 14.09'	E 15° 44.41'	7.3	135.6	(3823)	4875 - 4250		2	KP	0000	5000		4	
			23:06	L 6° 14.86'	15 41.16'	7.2	192.3	4786	4575 - 4950		7	KP-K-P-	0100	500		4	Change depth range
			23:56	L 6° 20.51'	15 39.12'	7.1	192.2	4570	4500 - 4875		7	KP-K-P-	0000	500		4	
			00:06	L 6° 25.15'	15 38.75'	6.5	193.6	4620	4125 - 4500		2	KP	0000	500		4	
			00:14	L 6° 28.1'	15 38.66'	6.8	194.4	4521	4500 - 4875		7	KP-K-P-	0000	500		4	
			00:24	L 6° 28.29'	15 38.73'	7.1	192	4513	4125 - 4500		2	KP	0000	500		4	
			01:01	L 6° 29.08'	15 37.26'	6.7	195.6	4571	4500 - 4875		7	KP-K-P-	0000	500		4	
			01:06	L 6° 29.65'	15 37.02'	7.2	192.3	4482	4125 - 4500		2	KP	"	"		"	
			01:11	L 6° 28.23'	15 36.78'	6.4	195.5	4529	4500 - 4875		7	KP-K-P-	"	"		"	
			01:54	L 6° 33.04'	15 34.27'	6.6	191.6	48	4575 - 4950		7	KP-K-P-	0100	"		"	
			02:11	L 6° 36.98'	15 34.12'	6.6	196.5	4500	4500 - 4875		7	"	0000	"		"	
			02:23	L 6° 39.51'	15 31.53'	7.1	194.8	4527	4125 - 4500		2	KP	"	"		"	
			02:10	L 6° 41.05'	15 31.10'	7.3	186.9	4621	4500 - 4875			KP-K-P-	"	"		"	
			3:36	S 46° 46.70'	E 15° 30.00'	7.0	183.0	4480	4125 - 4500			KP	"	"		"	
			4:30	S 46° 48.60'	E 15° 28.61'	7.5	182.8	4242	"			"	"	"		"	
			4:50	S 46° 52.46'	E 15° 27.70'	8.1	173.7	4563	4500 - 4875			KP-K-P	"	"		"	
			5:00	S 46° 57.20'	E 15° 27.95'	7.3	176.6		4425 - 4500			KP	"	"		"	
			5:08						4630	4500 - 4875		KP-K-P-	"	"		"	
5:20	S 46° 57.27'	E 15° 26.47'	7.0	190.7	4850	4500 - 4875			"	"	"		"				
6:00	S 47° 0.80'	E 15° 26.73'	7.8	181.2	4805	"			"	"	"		"				
6:30	S 47° 4.41'	E 15° 25.81'	6.7	179.2	4640	"			"	"	"		"				
7:00	S 47° 7.90'	E 15° 25.77'	7.4	185.9	4592	"			"	"	"		"				



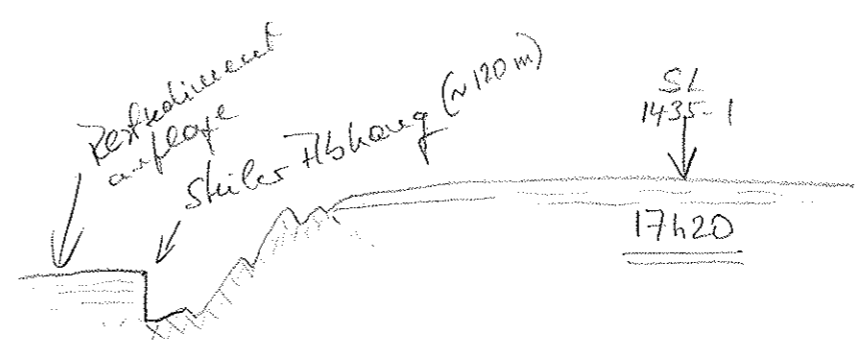
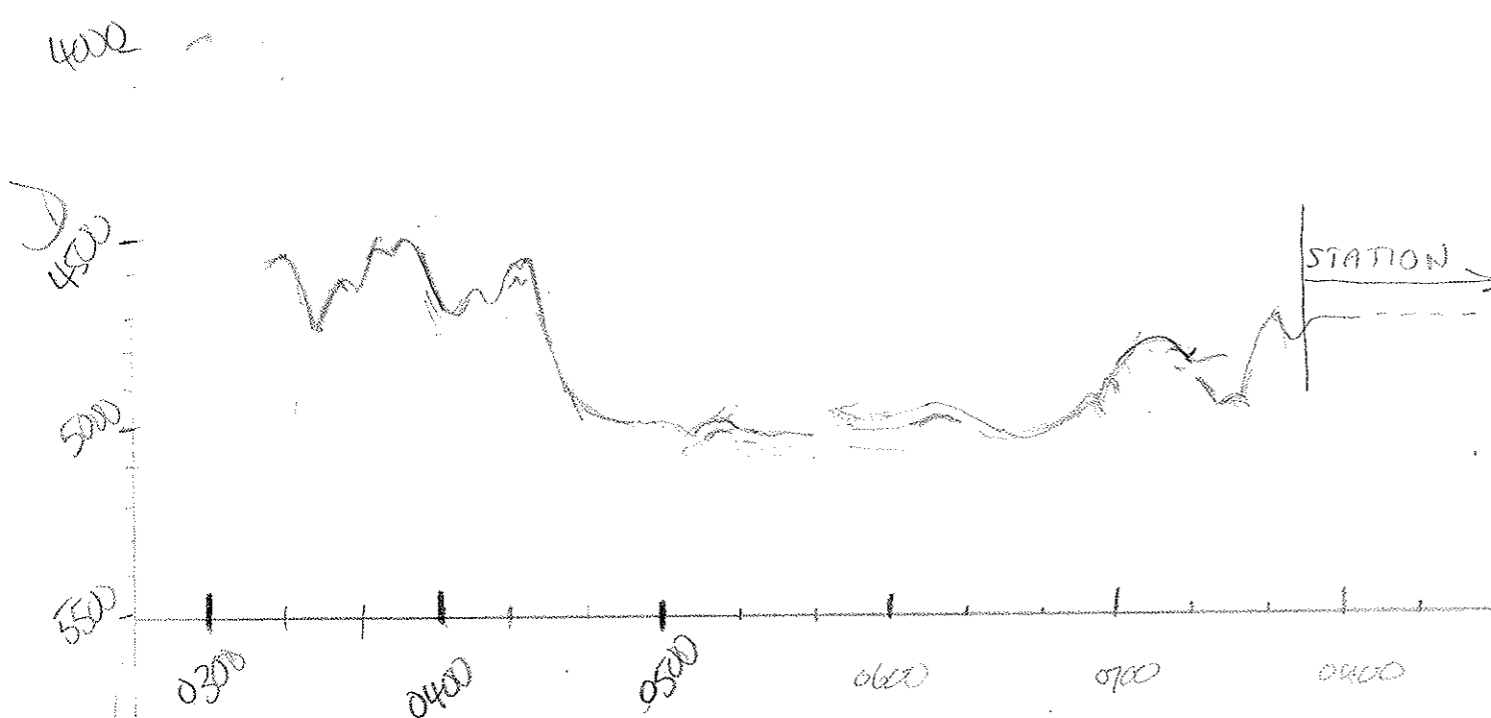


Roll	Profile	Date	Time	LAT	LONG	Speed	Course	Depth	Depth range	Swamp	Trigger	Delay	Scan	Roll Angle	Remarks
2	2	22.3.86	7:30	S 47° 12.55'	E 15° 24.20'	7.6	187.4	5092	4875-5250	2	KP	0000	0500	4	change depth range
			8:15	S 47° 12.36'	E 15° 02.33'	7.3	186.3								
			8:45	S 47° 22.40'	E 15° 21.86'	8.2	189.2	4947	4575-4950	7	KP-K-P	0100	375m!	4	
			09:01	47° 24.60'	15° 21.41'	7.5	190.8	4960	"	7	KP-K-P-	0300	500	4	
			10:00	47° 30.65'	15° 20.45'			4751	"	7	"				CTD station SL STATION 1433-1.
			15:01	47° 32.56'	15° 21.87'	0.7	112.7	4760	4575-4950	7	KP-K-P-	0100	500	4	
		22.3.86	22:55	47° 46.25'	15° 16.76'	8.0	188.0	4517	4500-4875	7	KP-K-P-	0200	500	4	
			23:30	47° 44.13'	15° 16.27'	6.2	182.2	4872	4575-4950	7	KP-K-P-	0200	500	4	
			24:00	47° 47.00'	15° 15.80'	9.7	184.8	4439	4125-4500	2	KP	0200	500	4	
			02:09	48° 08.36'	15° 12.13'	9.2	190.7	4200	3750-4125	3	KP-	00000	500	4	change programme





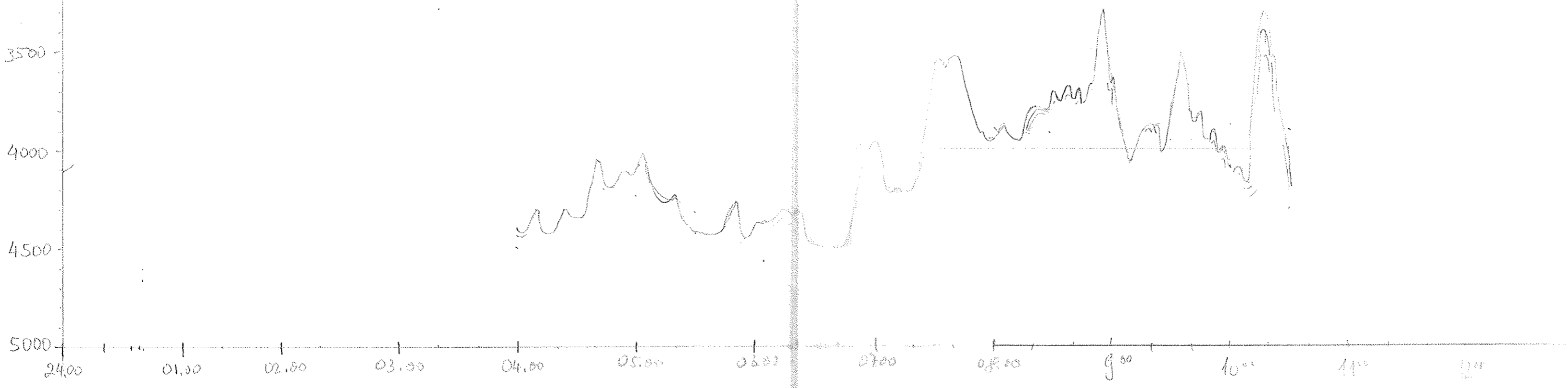
ROLL	PROFILE	DATE	TIME	LAT	LONG	SPEED	COURSE	DEPTH	DEPTH RANGE	SWEEP	TRIGGER	DELAY	SCAN	PULSE LENGTH	REMARKS + NAME
2	2	23-03-86	02:49	48°15'07	15°11'20	9.5	187.1	4457		3	KP-	0300	SD	4	Delay range only
		23-03-86	03:12	48°18'14	15°10'22	9.2	196.4	4666	4500-4875	7	KP-K-P-	0000	SD	4	Change range
		"	03:50	48°23'46	15°08'54	9.8	192.4	4554	4500-4875	"	"	"	"	"	CORRECTED TIME @ 35 KHZ
		"	03:54	48°24'41	15°08'28	9.6	192.2	4558	"	"	"	"	"	"	CHANGE RANGE @ 35 KHZ AND BACK
2	2	23-03-86	04:36	48°30'62	15°07'27	10.1	194.0	4622	4575-4950	"	KP-K-P-	0100	SD		Change range
"	"	"	04:52	48°33'96	15°06'67	10.1	194.7	4830	4500-4875	7	KP-K-P-	0000	SD	4	Change range
2	2	"	04:58	48°33'15	15°06'12	9.7	194.7	5209	4575-5250	2	KP	0000	SD	4	" "
2	2	"	07:02	48°52'55	15°15'29	10.3	196.1	4887	4500-4975	7	KP-K-P-	0100	SD	4	Change range & delay
3	2		09:00	48°58'42	15°00'79	0.6	42.2	4726	4575-4950	7	KP-K-P-	0100	SD	4	Reprogrammed EPC
			10:30	48°58'22	15°01'13	0.6	42.0	4710	4500-4875	7	KP-K-P-	0000	SD	4	new Rolle
			10:47	48°58'22	15°01'13	0.6	42.0	4710	4500-4875	7	KP-K-P-	0000	SD	4	changed range
			12:57	48°58'87	15°01'80			4654							GLK. 1434-1 - parked F.W.
			14:37	48°58'87	15°01'80			4654							Steaming further S. to get soft sed
			15:50	49°09'13	15°01'28			4360							STN 1435-1 SL
			16:30	49°09'30	15°01'23			4350							
			16:45	49°09'34	15°01'16			4350							
			17:00	49°09'64	15°01'21			4348							
			17:16	49°09'61	15°01'99			4368							
			17:20	49°09'60	15°01'89			4368							
			17:29	549°09'60	15°01'86	0.2	258°	4320							Core bit bottom F.W.



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ROLL	PROFILE	DATE	TIME	LAT	LONG	SPEED	COURSE	DEPTH	DEPTH RANGE	SWEEP	TRIGGER	DELAY	SCAN	PULSE LENGTH	REMARKS + NAME
3	3	23.03.86	23.35	49°08.23	15°05.14	4.6	159	4200	4125-4500	2	KP	0000	500	4	START PROFILE 3 <i>JW</i>
			23.55	49°09.38	15°05.56	4.2	177	4135	3750-4125	3	KP-	0000	500	4	new range <i>JW</i>
3		24.03.86	00.34	49°12.87	15°03.16	4.6	182.7	4662	4125-4500						new range <i>Crane</i>
3		"	00.35	"	"	"	"	"	4500-4875						new range <i>Crane</i>
3		"	00.58	49°15.64	15°02.57	8.5	185	4867	4575-4950						new range <i>Crane</i>
3		"	02.50	49°30.50	15°00.05	8.6	180.7	4750	4500-4875						new range <i>Crane</i>
3		"	03.18	49°35.89	14°59.87	8.4	181.6	4546	4125-4500						new range <i>Crane</i>
		"	03.26	49°36.84	14°59.8	8.5	180.8	4698	4500-4875						new range <i>Crane</i>
		"	03.47	49°39.94	14°59.74	8.7	180.5	4072	4125-4500						new range <i>Crane</i>
		"	03.50	49°40.39	14°59.74	8.7	181.6	4032	3750-4125						new range <i>Crane</i>
		"	4.04	49°42.41	14°59.75	8.7	178.4	4446	4125-4500		KP				new range
		"	4.39	49°48.34	14°59.70	9.2	179.3	4121	3750-4125		KP-				new range
		"	4.48	49°49.29	14°59.74	9.6	178.4	4222	4125-4500		KP				
		"	5.33	49°56.72	15°06.5	8.8	179.2	4431	"						
		"	6.04	50°00.83	15°03.4	9.1	181.0	4404	"						
		"	06.30	50°06.60	15°03.81	9.3	183.1	4561	4500-4825			0100			06.30-07.13 no record - problem with reader F.W.
		"	07.13	50°02.38	15°00.12	9.3	181.9	4225	4125-4500		"	0000			
		"	07.28	50°16.79	14°59.97	9.6	181.7	4153	3750-4125		KP-	0000			
		"	07.37	50°16.13	14°59.81	9.8	182.2	3654	3750-3750		KP	0000			
		"	07.54	50°18.70	14°59.86	9.8	179.0	3933	3750-4125		KP-				
3	3	24.03.86	8.14	50°22.24	15°00.07	9.7	179.8	3790	3750-3750	2	KP-	0000	500	4	new range <i>Fischer</i>
		"	8.20	"	"	"	"	"	"						Gerat abblat nicht ein!
		"	8.27	50°24.71	15°00.88	9.9	179.3	3929	3750-4125	3	KP-	0000	500	4	new range
		"	8.32	50°24.97	15°00.91	9.1	177.8	3722	3750-3750	2	KP	0000	500	4	"
		"	8.33	50°29.24	15°00.94	9.8	181.9	3945	3750-4125	3	KP	0000	500	4	"
		"	9.16	50°32.11	15°00.86	9.6	179.3	3743	3750-3750	2	KP	0000	500	4	"
		"	9.24	50°33.44	15°00.75	10.0	180.7	3755	3750-4125	3	KP	0000	500	4	"
		"	9.28	50°33.96	15°00.73	10.2	181.6	3765	3750-3750	2	KP	0000	500	4	"
		"	9.42	50°36.31	15°00.61	10.0	181.1	3791	3150-4125	3	KP	"	"	"	"
		"	10.07	50°40.60	15°00.09	10.1	177.2	(3701)	4125-4500	2	"	"	"	"	Kein Echolot!
		"	10.12	50°41.36	15°00.12	10.4	180.9	(4450)SR	3750-4125	3	"	"	"	"	Tiefe v. See-beam
		"	10.20	50°42.99	15°00.11	10.2	180.9	3687	3750-3750	2	KP	"	"	"	Kein Echolot!!
		"	10.26	50°43.84	15°00.12	9.7	180.2	3990	3750-4125	3	"	"	"	"	
		"	10.32	50°44.75	15°00.12	10.5	179.8	4270	4125-4500	2	"	"	"	"	

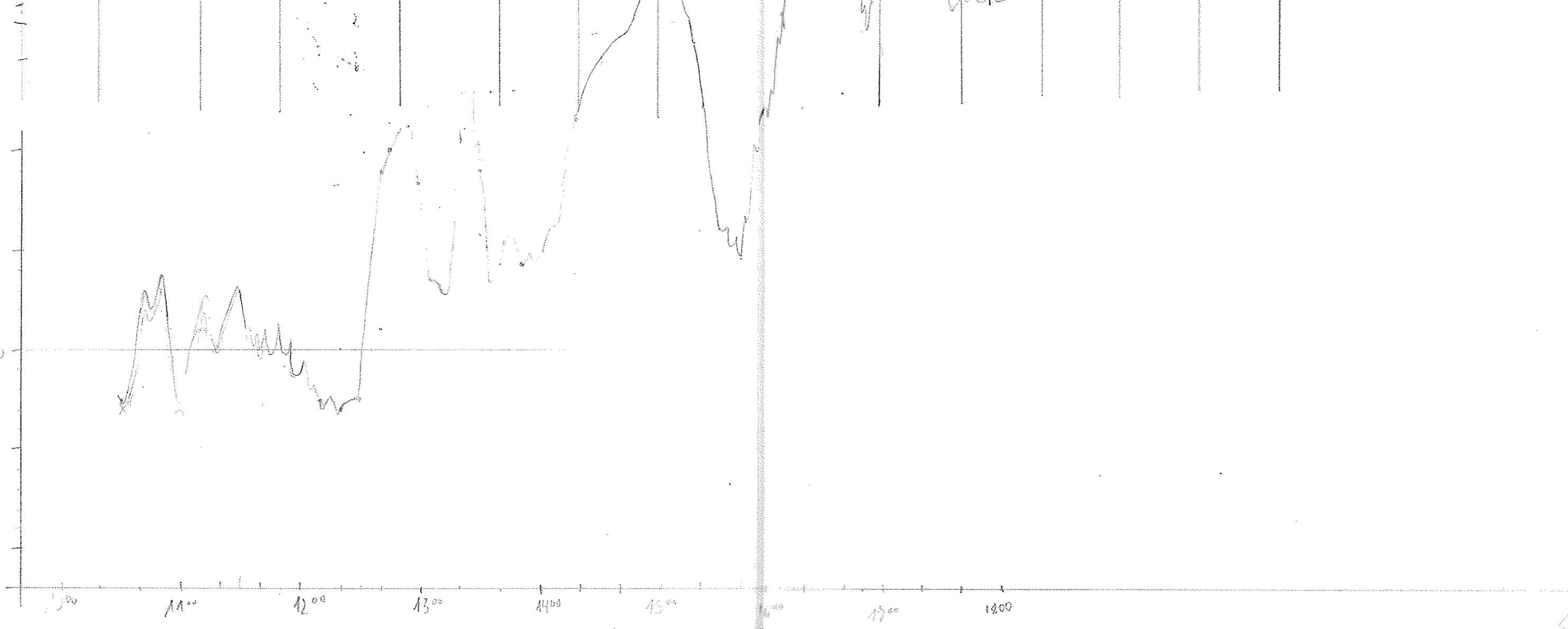




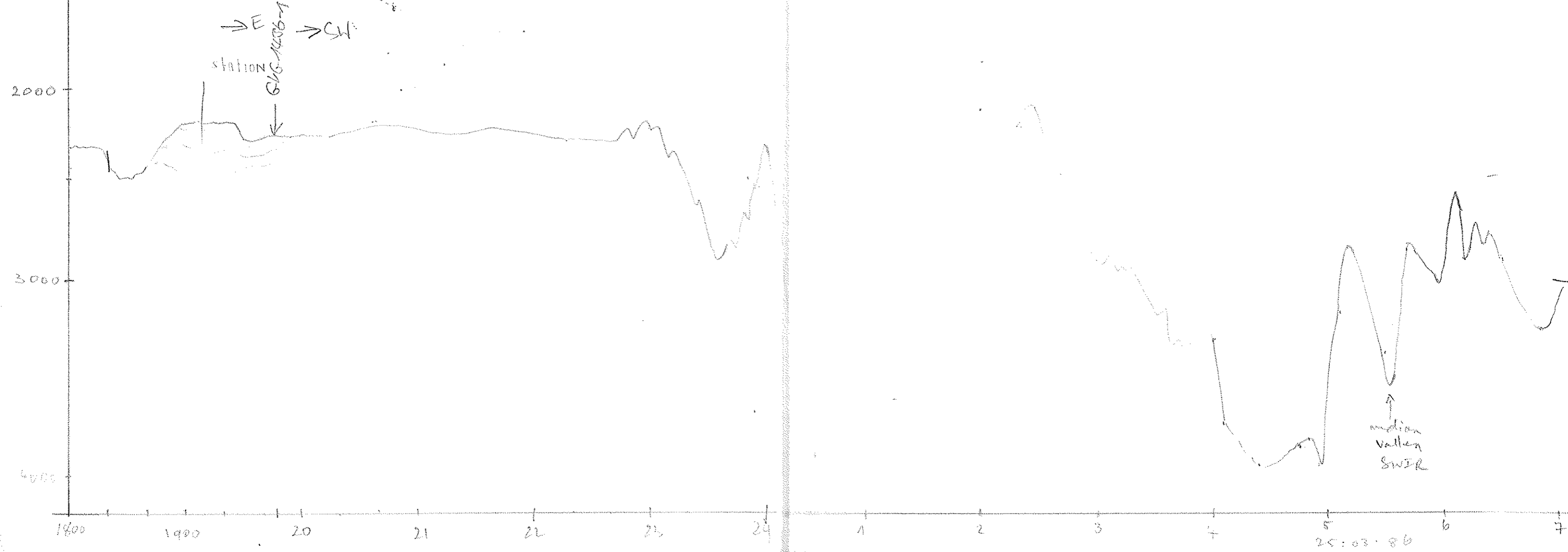
Roll	Profile	Date	Time	LAT	Lon	Speed	Course	depth	depth range	sweep	trigger	delay	scan	Roll length	Remarks, name
3	3	24.03.86	10:44	50°46.91'	15°00.44'	9.9	179.3	3945	3750-4125	3	KP	0000	500	4	Chang range FISCHER
			10:50	50°47.83'	15°00.07'	10.4	184.1	3675	3375-3750	2	"	"	"	5	"
			10:56	50°49.83'	14°59.99'	8.9	183.1	3784	3750-4125	2	"	"	"	-	"
			11:02	50°49.89'	15°00.00'	10.2	188.9	4247	4125-4500	2	"	"	"	-	"
			11:13	50°51.66'	15°00.07'	10.2	188.8	3900	3750-4125	3	"	"	"	-	"
3	3	24.03.	11:30	50°54.60'	15°00.03'	10.0	172.6	3705	3375-3750	2	"	"	"	-	"
			11:35	50°55.47'	15°00.01'	10.2	180.2	3831	3750-4125	3	"	"	"	-	"
3	3	24.03.86	12:13	51°01.87'	15°00.02'	10.7	187.6	4287	4125-4500	2	KP	0000	500	4	" Leibitz
			12:30	51°04.81'	14°59.49'	9.9	180.0	3920	3750-4125	3	"	"	"	-	"
			12:36	51°05.70'	14°59.45'	10.0	180.0	3526	3375-3750	2	"	"	"	-	"
			12:39	51°06.45'	14°59.40'	10.1	182	3204	3000-3375	3	V-P	"	"	-	"
			12:45	51°07.01'	14°59.38'	10.3	172.2	2875	2625-3000	2	KP	"	"	-	"
			12:58	51°09.46'	14°59.52'	10.1	179.6	3171	3000-3375	3	V-P	"	"	-	"
			13:09	51°11.36'	14°59.82'	10.4	177.8	3420	3375-3750	2	KP	"	"	-	"
			13:19	51°13.38'	14°59.67'	10.3	177.0	3113	3000-3375	3	K-P	"	"	-	"
			13:27	51°13.86'	14°59.72'	10.6	179.9	2707	2625-3000	2	KP	"	"	-	"
			13:31	51°15.20'	14°59.85'	10.5	177.3	3103	3000-3375	3	K-P	"	"	-	"
			13:36	51°16.02'	14°59.91'	10.4	177.6	3538	3375-3750	2	KP	"	"	-	"
1500			14:05	51°17.42'	14°59.95'	10.6	179.5	3108	3000-3375	3	K-P	"	"	-	"
			14:20	51°23.92'	14°59.87'	10.7	180.0	2875	2625-3000	2	KP	"	"	-	"
			15:43	51°38.95'	15°00.05'	10.0	177.4	3576	3375-3750	2	KP	"	"	-	"
			16:20	51°45.80'	14°59.86'	10.0	194.0	1504	1125-1500	2	KP	"	"	-	" EBRAHIM (SHANA)
7000			17:00	51°51.87'	15°00.36'	9.6	176.7	2144	1500-2250	2	KPK-P	"	1000	"	"
			17:20	51°55.49'	15°00.58'	8.7	181.8	1985	1500-2250	2	-PK	1000	1000	"	" 012 12
			17:45	51°56.70'	14°59.52'	8.8	170.7	2350	1500-2250	2	-PK	1000	1000	"	"

1500  
7000

3000  
3500  
4000  
4500  
5000

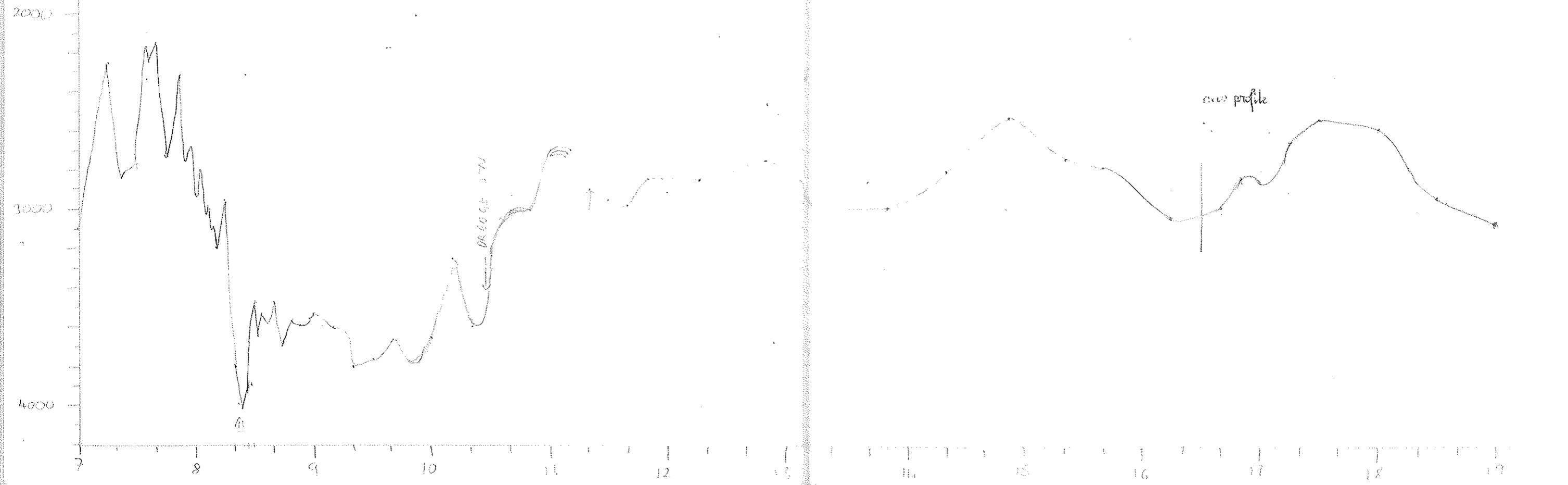


Roll	Profile	Date	Time	LAT.	LONG.	SPEED	COURSE	Depth	Depth range	Sweep	Trigger	Delay	Scan	Pulse	Remarks, name
2	4	24-3	18:42	51° 59.88	14° 59.33	3.4	009.2	2306	1650-2400	1	-PK	1200	1 sec	4	
3	4	24-3	18:45	51 58.79	15° 00.29	0.5	47.5	2297	1650-2400	1	-PK	1200	1 sec	4	
3	4	24-3	19:10	51.59.19	15° 01.61	1.0	104.1	2299	1650-2400	1	-PK	1200	1 sec	4	On Station.
3	4	24-3	19:22	51° 59.17	15. 01.96	1.0	105.1	2283	"	"	"	"	"	"	"
3	4	24-3	19:30	51° 59.17	15° 01.96	1.0	105.1	2300	1650-2400	1	-PK	1200	1	4	"
	4	24.03.86	19:48	51° 59.31	15° 02.04	0.9	107.1	2302	1875-2625	1	-PK	1500	1	4	GRG 1436-1
	5	24.03.86	22:53	51° 59.79	14° 58.71	5.3	112.2	2229	1875-2625	1	-PK	1500	1	4	Complete station
	5	"	23:00	52° 00.10	15° 01.00	9.2	123.8	2181	"	"	"	"	"	"	start new profile
	5	"	23:21	52° 01.67	15° 05.49	10.6	127.9	2801	2250-3000	1	"	2000	"	"	change range
	5	"	23:45	52° 04.64	15° 11.43	10.5	127.4	2248	1875-2625	"	"	1500	"	"	"
	5	"	23:56	52° 05.68	15° 14.17	10.5	120.1	2239	2250-3000	"	"	2000	"	"	"
	6	25.03.86	00:16	52° 06.56	15° 16.36	10.5	120.4	3014	2625-3375	"	-PK	1500	"	"	change range
	6	"	00:21	52° 08.15	15° 20.36	10.9	124.5	3530	3000-3750	"	-PK	1500	"	"	" (new profile)
	6	"	01:22	52° 04.82	15° 13.34	6.1	323.0	2460	2250-3000	"	-PK	2000	"	"	change range
	7	"	01:39	52° 03.59	15° 12.66	5.6	306.6	2271	1875-2625	"	-PK	1500	"	"	change range
	7	"	02:02	52° 02.07	15° 10.00	5.2	311.8	2271	"	"	"	"	"	"	Profile
	7	"	02:17	52° 02.07	15° 10.31	8.3	117.6	2424	"	"	"	"	"	"	Profile
	8	"	02:46	52° 04.08	15° 17.85	10.4	113.0	2733	2250-3000	"	-PK	1000	"	"	Profile
	8	"	03:38	52° 07.91	15° 32.73	11.4	111.4	3344	3000-3750	3	K-P	2000	1	4	new range
	8	"	04:08	"	"	"	112	"	3375-4125	"	"	2500	"	"	"
	8	"	04:36	52° 12.17	15° 47.98	10.7	"	3936	"	"	"	"	"	"	end profile
	8	"	05:08	52° 08.90	15° 49.05	6.8	06.9	2850	3000-3750	"	"	2000	"	"	change range
	8	"	05:11	"	"	"	"	"	2625-3375	"	"	1500	"	"	"
	9	"	05:22	52° 07.59	15° 50.01	6.9	10.8	3324	3000-3750	"	"	2000	"	"	"
	9	"	05:37	52° 05.78	15° 50.45	7.0	04.6	3056	2625-3375	"	"	1500	"	"	"
	9	"	06:04	"	51.18	6.9	12.1	2702	2250-3000	"	"	1000	"	"	"
	9	"	06:26	52° 00.23	15° 51.96	6.2	11.8	3710	"	"	"	"	"	"	end profile

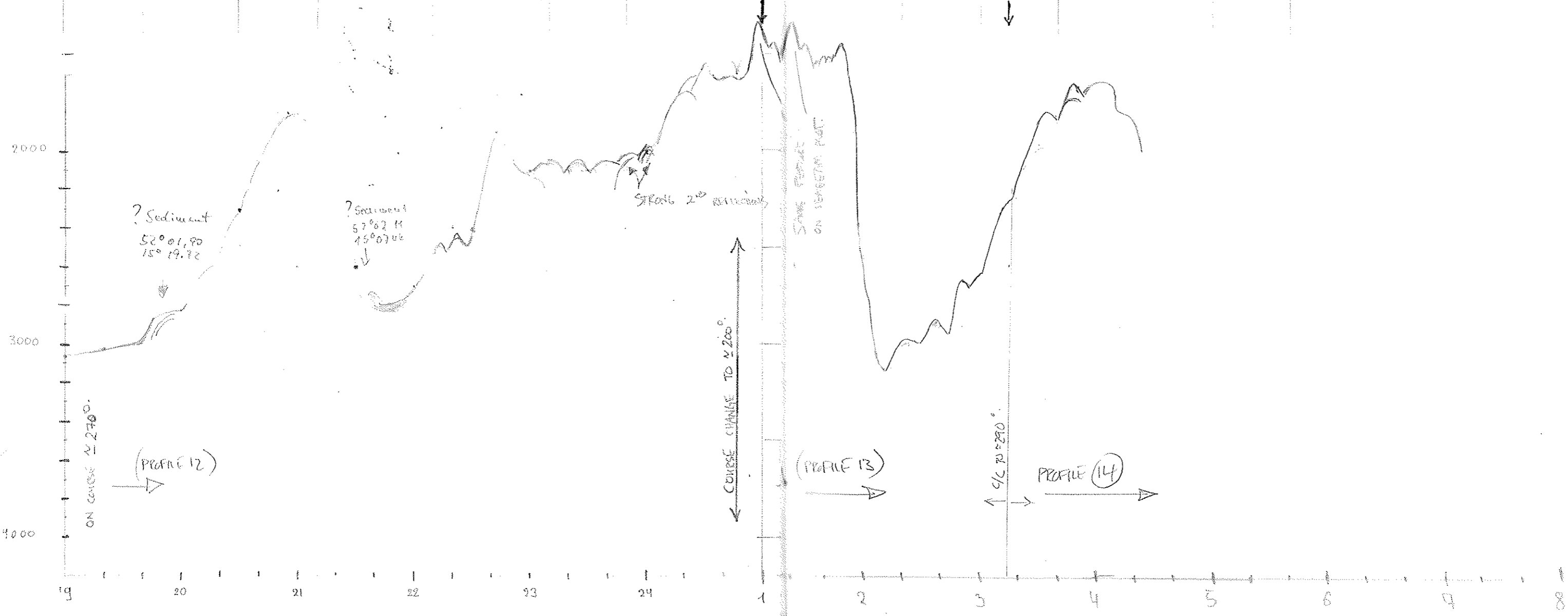




ROLL	PROFILE	DATE	TIME	LAT	LONG	SPEED	COURSE	DEPTH	Depth Range	SNEEL	TRIGGER	DELAY	SCAN	PULSE	REMARKS	NAME
3	10	25-03-86	0636	51° 05.3	15° 36.24	10.1	99.5	3063	2625-3375	3	KP	1500	1sec	L1	Range change	FW
			0710	51° 01.31	15° 04.10	11.1	111.6	2555	2250-3000	1	"	1000	"	"	"	FW
			0716	52° 01.97	16° 05.76	10.4	757.7	2271	"	"	"	"	"	"	"	"
	11		0721	02.66	05.54	9.5	197.9	2854	2625-3375	"	"	1500	"	"	"	"
			0734	04.77	02.55	9.9	199.8	2263	2250-3000	"	"	1000	"	"	"	"
			0736	05.05	04.41	"	"	"	1570-2250	"	"	0	"	"	"	"
			0742	05.76	03.99	9.9	198.1	2514	2250-3000	3	0102-1002 K-P	500	1sec	4	Range change Delay	FW
			0745	"	"	"	"	"	"	"	"	1000	"	"	"	FW
			0752	07.43	03.13	9.9	194.9	2642	1875-2625	"	"	500	"	"	"	"
			0755	07.89	02.94	10.1	191.0	2794	2250-3000	"	"	1000	"	"	"	"
			0807	09.84	02.03	9.9	197.7	3131	2625-3375	"	"	1500	"	"	"	"
			0824	12.65	00.73	9.7	193.5	3968	3375-4125	"	"	2500	"	"	"	"
			0920	52° 14.06	15° 56.05	6.1	318.7	3867	"	"	"	"	"	"	"	"
	12		1025	52° 07.76	15° 55.63	5.3	347.0	3470	4000-4000m	2	012-120	2000m	2000m	"	Course change Dredge station Data point	"
			1147	52° 05.85	15° 56.53	1.8	18.9	2840	"	"	"	"	"	"	"	"
			1218	S 52° 16.89	E 15° 56.93	0.8	27.4	2845	2000-4000m	2	"	-	2000m	4	"	HV
			1249	S 52° 18.83	E 15° 56.66	1.6	353.4	2747	2000-4000m	2	"	-	2000m	4	"	HV
			1321	S 52° 3.04	E 15° 56.45	1.2	343.8	2979	2000-4000m	2	"	-	-	4	"	HV
			1350	S 52° 2.64	E 15° 56.41	0.5	49.1	2992	2000-4000	2	"	-	2000	4	"	HV
			1421	S 52° 3.95	E 15° 53.67	1.6	283.9	2812	2000-4000	2	"	-	2000	4	"	HV
			1452	S 52° 2.56	E 15° 51.61	1.4	296.9	2529	2000-4000	2	"	-	2000	4	"	HV
			1521	S 52° 2.20	E 15° 50.17	2.1	281.1	2574	2000-4000	2	"	-	2000	4	"	HV
			1542	S 52° 2.00	E 15° 48.60	3.8	285.1	2578	2000-4000	2	"	-	2000	4	"	HV
			1615	S 52° 02.43	E 15° 45.14	3.6	237.7	3043	4000-4000	1	012-12	-	2000	4	16.05 start profile	C.N.
			1700	S 52° 02.45	E 15° 39.65	5.5	284.2	2870	2000-4000	1	012-12	-	2000	4	30 min 30 s 2000m profile	C.N.
			1729	S 52° 03.10	E 15° 36.79	3.7	282.6	2536	"	"	"	"	"	"	"	SW
			1800	S 52° 02.82	E 15° 33.58	5.2	272.5	2594	"	"	"	"	"	"	"	C.N.
			1830	S 52° 02.23	E 15° 30.29	3.3	281.1	2938	"	"	"	"	"	"	"	C.N.
			1900	S 52° 04.79	E 15° 27.17	4.3	281.1	3080	"	"	"	"	"	"	"	C.N.

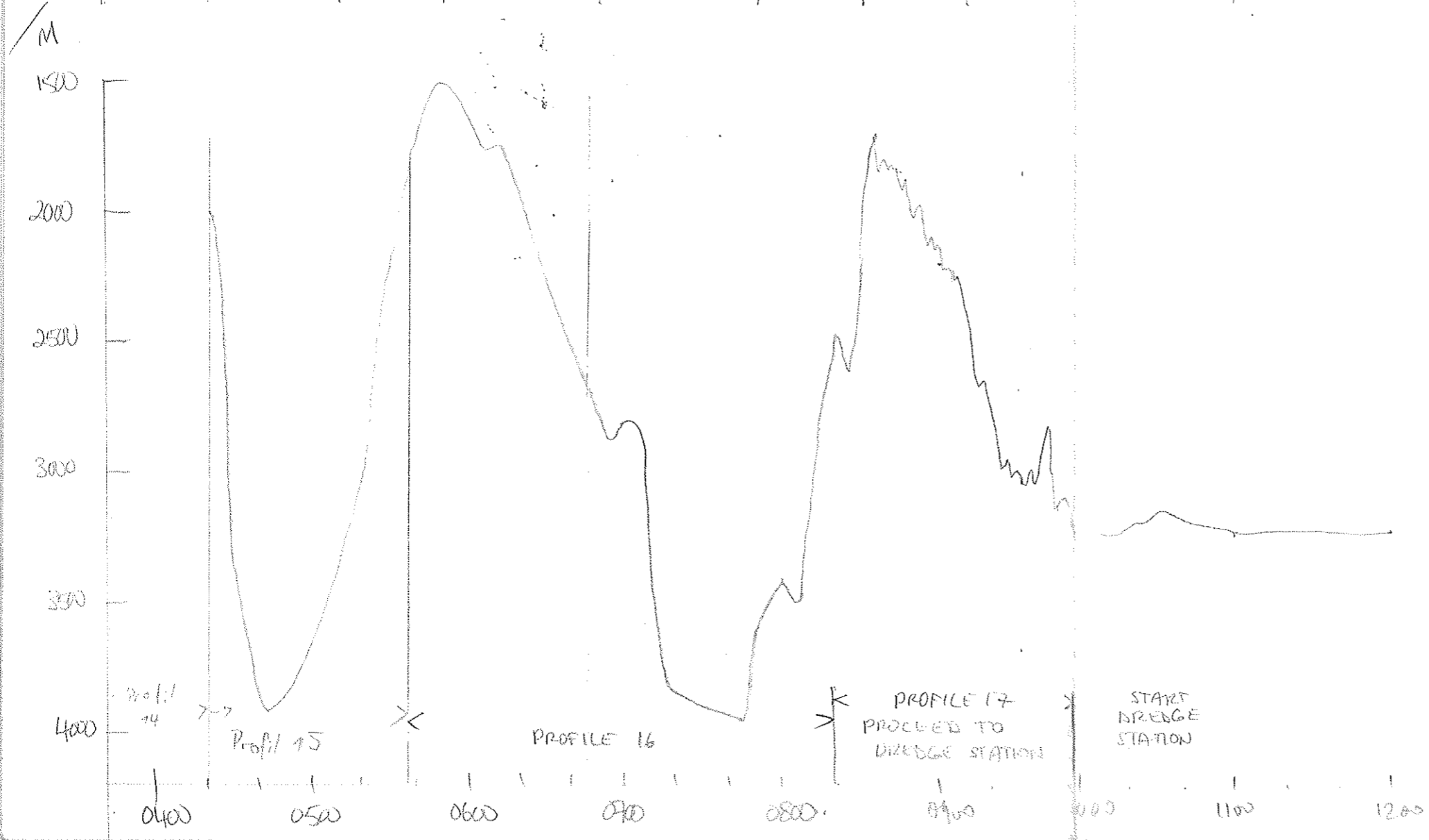


Roll	Profile	Date	Time	Lat	Long	Speed	Course	Depth	Depth range	Sweep	Trigger	Delay	Scan	Pulse	Remarks	Name			
3	(12) old	25.03.86	19:30	S 52° 01.75	E 15° 23.37	4.9	267.1	2016	2000 - 4000	1	012 - 12	-	2000	4	19.36 } new belt in 3.5KHz 19.40 }	G.N G.N			
			20:00	S 52° 01.90	E 15° 19.72	4.5	271.2	2016	"	"	"	"	"	"					
			20:30	S 52° 02.10	E 15° 16.30	4.9	291.3	2320	"	"	"	"	"	"	"	"	"		
			20:55	S 52° 02.15	E 15° 13.26	4.2	268.7	1900	0 - 7000	"	"	"	"	2000	"	"	"	"	
			21:10	S 52° 02.15	E 15° 11.53	5.1	265.1	2100	1000 - 3000	"	"	"	K-P	1000	"	"	"	"	
			21:30	S 52° 02.20	E 15° 09.11	3.4	271	2600	1000 - 3000	"	"	"	"	"	"	"	"	"	
			22:00	S 52° 02.06	E 15° 05.60	5.2	275.7	2700	1000 - 3000	"	"	"	"	"	"	"	"	"	
			22:30	S 52° 01.45	E 15° 02.94	4.5	269.5	2470	"	"	"	"	"	"	"	"	"	"	
			23:00	S 52° 01.78	E 14° 58.58	5.0	261.1	2160	"	"	"	"	"	"	"	"	"	"	
			23:30	S 52° 02.00	E 14° 55.03	4.1	271.6	2150	"	"	"	"	"	"	"	"	"	"	
			24:00	S 52° 02.08	E 14° 51.55	4.7	265.2	2000	"	"	"	"	"	"	"	"	"	"	
			26:08:86	00:30	S 52° 01.98	E 14° 46.87	3.8	269.9	1564	"	"	"	"	"	"	"	"	"	(HAMILTON ON WATCH)
			(13)	00:47	S 52° 02.01	E 14° 46.21	4.5	271.7	1650	"	"	"	"	"	"	"	"	"	(CHANGING COURSE (C/C) ON COURSE (O/C))
			00:55	S 52° 02.31	E 14° 45.51	7.3	198.7	1412	"	"	"	"	"	"	"	"	"	"	
			01:00	S 52° 03.35	E 14° 45.52	7.3	197.3	1535	"	"	"	"	"	"	"	"	"	"	
			01:30	S 52° 07.59	E 14° 43.77	7.3	196.0	1577	"	"	"	"	"	"	"	"	"	"	
			01:40	S 52° 08.57	E 14° 43.24	7.7	195.9	1533	"	"	"	"	"	"	"	"	"	"	
			02:00	S 52° 10.22	E 14° 42.37	7.5	191.9	2635	"	"	"	"	"	"	"	"	"	"	
			02:08	S 52° 11.22	E 14° 41.97	8.3	196.5	3104	2000 - 4000	"	"	"	"	2000	"	"	"	"	
			02:30	S 52° 13.95	E 14° 41.17	7.2	200.9	3064	"	"	"	"	"	"	"	"	"	"	
03:00	S 52° 17.18	E 14° 40.08	5.9	225.0	2689	"	"	"	"	"	"	"	"	"	"				
(14)	03:11	S 52° 17.97	E 14° 39.06	5.1	232.3	2370	"	"	"	"	"	"	"	"	"	C/C TO ~290°			
03:15	S 52° 17.59	E 14° 38.64	3.8	289.2	2233	"	"	"	"	"	"	"	"	"	"	O/C   NEW PROFILE			
03:26	S 52° 17.63	E 14° 37.83	3.0	306.3	2032	1000 - 3000	"	"	"	"	1000	"	"	"	"	CHANGE DELAY			
03:30	S 52° 17.55	E 14° 37.59	2.9	300.1	1972	"	"	"	"	"	"	"	"	"	"	"			

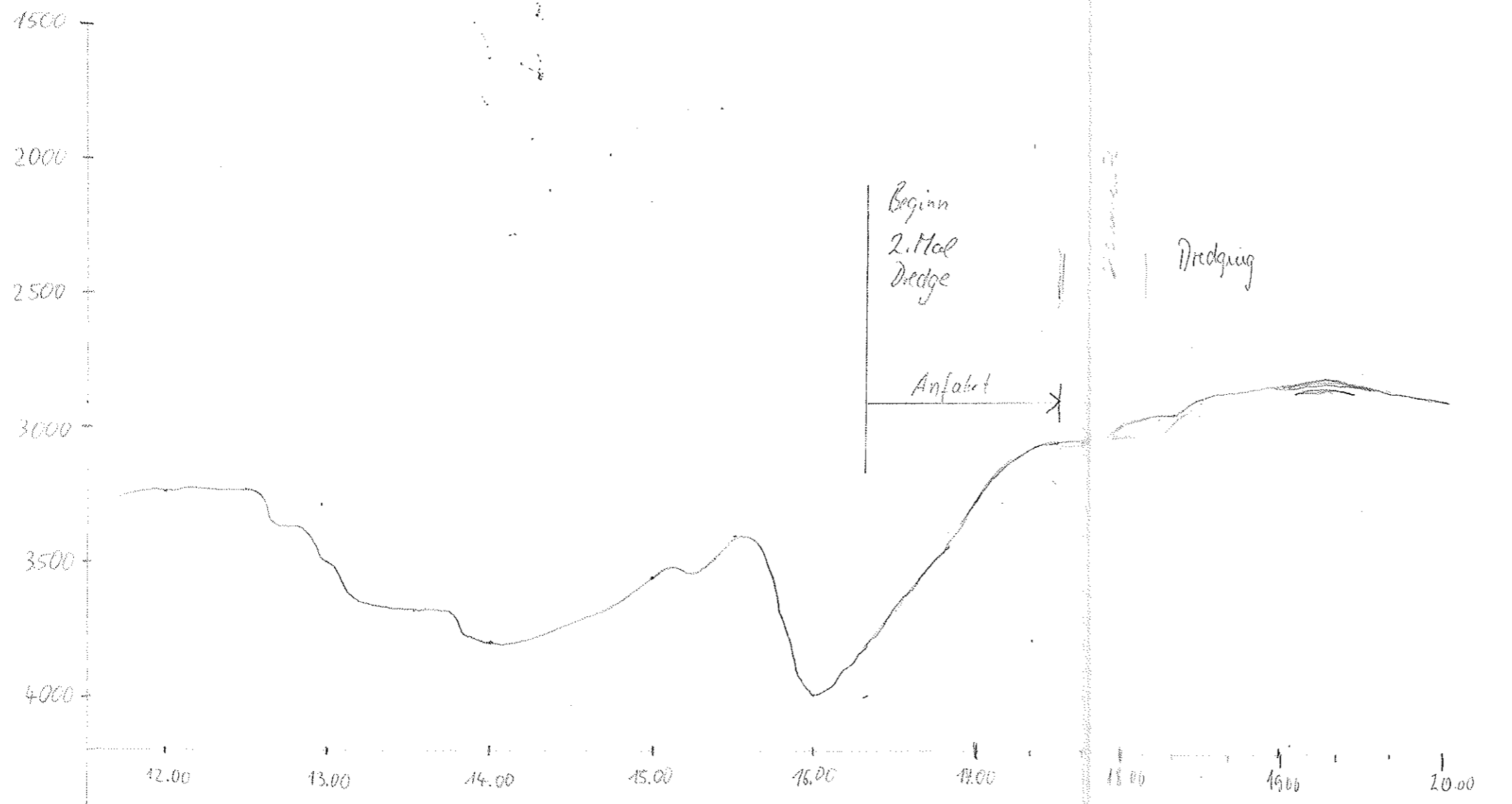




ROLL	PROFILE	DATE	TIME	LATITUDE	LONGITUDE	SPEED	COURSE	DEPTH	DEPTH RANGE /M	SWEEP	TREK	DELAY	SCAN	PULSE	REMARKS
3	14	26:03:86	04:00	S 52° 16.65'	E 14° 34.42'	4.1	293.0	1764	1000 - 3000	1 SEC	(012-12) K-P	1000	2000	4	
	14	"	04:20	S 52° 16.05'	E 14° 32.38'	4.2	311.8	1842	"	"	"	"	"	"	End 14
	15	"	04:25	S 52° 15.70'	E 14° 32.25'	5.3	"	2214	"	"	"	"	"	"	Begin 15
	↑	"	04:45	S 52° 13.32'	E 14° 33.63'	8.8	15.2	3235	1000 - 4000	"	"	"	"	"	new range
	↓	"	05:00	S 52° 11.25'	E 14° 34.91'	8.9	15.8	3743	"	"	"	"	"	"	-
	↓	"	05:30	S 52° 7.46'	E 14° 37.26'	8.6	16.7	2223	1000 - 3000	"	"	"	"	"	new range
	15	"	05:39	S 52° 6.25'	E 14° 37.79'	6.5	17.2	"	"	"	"	"	"	"	End 15
	↓	"	06:00	S 52° 5.04'	E 14° 35.23'	3.9	300.7	1882	"	"	"	"	"	"	
	15	"	06:30	S 52° 7.33'	E 14° 33.05'	3.7	"	"	"	"	"	"	"	"	
	16	"	06:44	S 52° 4.13'	E 14° 32.40'	2.4	208.5	2620	"	"	"	2000	"	"	Begin 16
	↑	"	06:55	S 52° 5.23'	E 14° 31.34'	6.9	208.9	2940	2000 - 4000	"	"	"	"	"	new range
	↓	"	07:32	S 52° 9.79'	E 14° 29.68'	3.6	203.9	3485	"	"	"	"	"	"	-
	↓	"	08:00	S 52° 12.98'	E 14° 27.28'	2.2	195.3	3395	"	"	"	"	"	"	-
	16	"	08:19	S 52° 15.02'	E 14° 25.79'	7.8	200.6	2522	"	"	"	"	"	"	END PROFILE 16
	17	"	08:30	S 52° 16.39'	E 14° 24.73'	8.6	126.5	1936	1000 - 3000	"	"	1000	"	"	PROCEED TO DREDGE STATION
	↑	"	09:05	S 52° 14.69'	E 14° 33.55'	9.9	72.1	2289	"	"	"	"	"	"	" (PROFILE 17)
	↓	"	09:10	S 52° 14.40'	E 14° 34.99'	10.0	73.4	2673	2000 - 4000	"	"	2000	"	"	change depth range
	↓	"	09:30	S 52° 13.27'	E 14° 39.86'	9.8	63.8	3121	"	"	"	"	"	"	
	17	"	09:54	S 52° 11.88'	E 14° 45.26'	7.8	333.3	3154	"	"	"	"	"	"	change course
	↓	"	11:15	S 52° 12.72'	E 14° 42.07'	0.4	215.4	3326	"	"	"	0000	"	"	END PROFILE 17
	↓	"	11:30	S 52° 12.72'	E 14° 44.82'	0.7	265.5	3206	"	"	"	"	"	"	DREDGE STATION
	↓	"	12:00	S 52° 12.83'	E 14° 41.32'	0.8	272.7	3214	"	"	"	"	"	"	

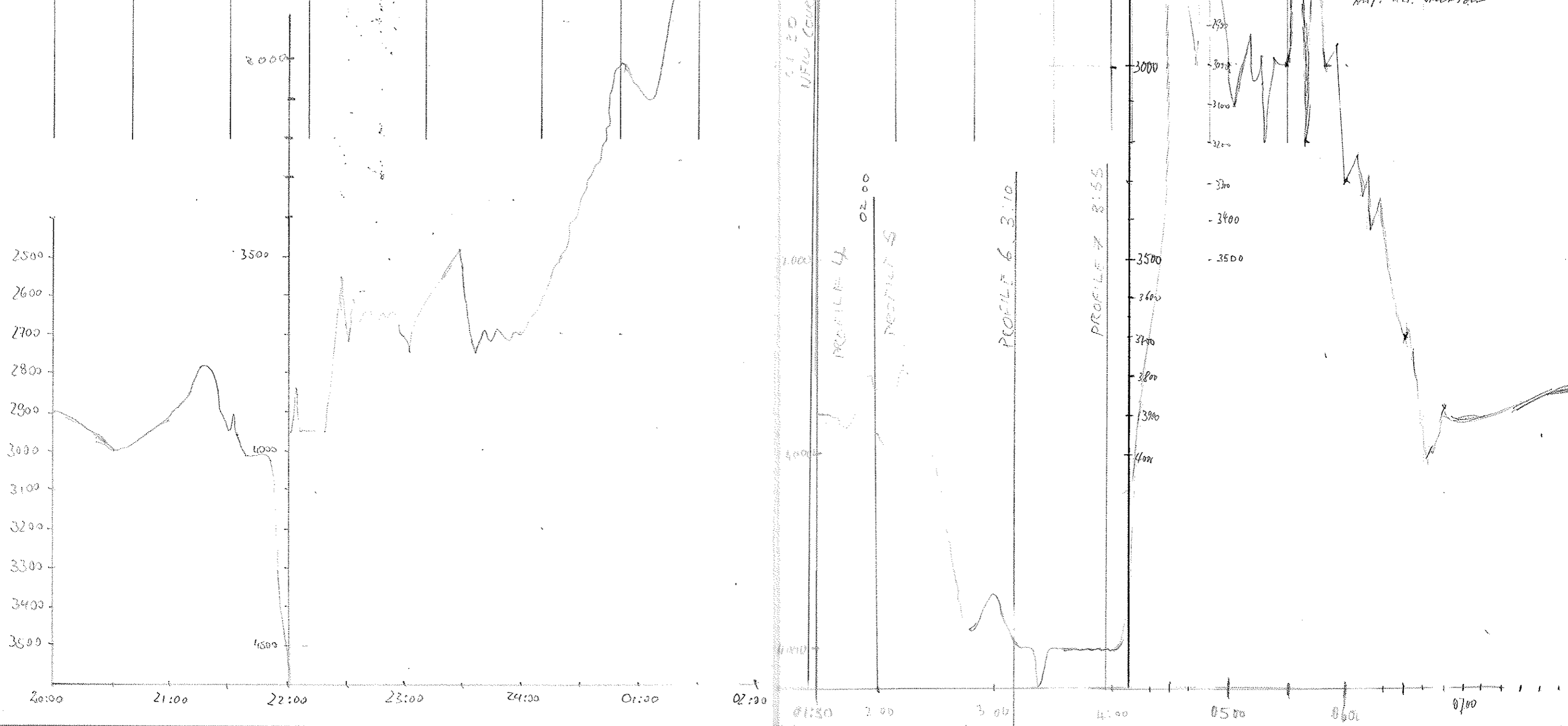


Roll	Profile	Date	Time	Latitude	Longitude	Speed	Course	Depth	Depth-Range <sub>m</sub>	Sweep	Trigger	Delay	Scan	Pulse	Remarks
3	Dredge St.	26.03.86	12:30	52° 12.88	14° 40.68	1.2	275.8	3120	1000-4000	1sec	K-P	0000	2000	4	
	Dredge-Lawe	"	13:00	52° 12.72	14° 38.13	1.8	272.6	3500	"	"	"	"	"	"	
	"	"	13:30	52° 12.75	14° 37.12	1.8	247.7	3600	"	"	"	"	"	"	
	"	"	14:00	52° 12.76	14° 35.79	2.1	268	3800	"	"	"	"	"	"	Starke Hanglage. Deshalb
	"	"	14:30	52° 13.01	14° 34.18	1.6	274	3800	"	"	"	"	"	"	kein Signal
	"	"	15:00	52° 13.14	14° 32.72	2.0	274	3550	"	"	"	"	"	"	
	"	"	15:30	52° 13.39	14° 30.67	2.0	264	3300	"	"	"	"	"	"	
3	Dredge	"	16:15	52° 09.43	14° 29.95	8.5	359.2	3833	2000-4000	"	"	"	2000	"	Stop auf Dredgestation
	2. Mal	"	17:00	52° 09.47	14° 30.60	1.0	311.6	3232	2000-4000	"	"	"	"	"	"
	"	"	17:35	52° 07.82	14° 30.38	0.9	345.0	3040	"	"	"	"	"	"	Dredge
	"	"	18:00	52° 07.94	14° 30.20	0.9	327	2971	"	"	"	"	"	"	"
	"	"	18:37	52° 07.08	14° 29.96	0.6	340.5	2889	"	"	"	"	"	"	"
	"	"	19:00	52° 06.05	14° 30.83	0.9	0.7	2884	"	"	"	"	"	"	"
	"	"	19:31	52° 05.47	14° 30.59	1.4	358.7	(2864)	"	"	"	"	"	"	"
"	"	"	20:00	52° 04.88	14° 30.52	1.3	347.9	2944	"	"	"	"	"	"	"



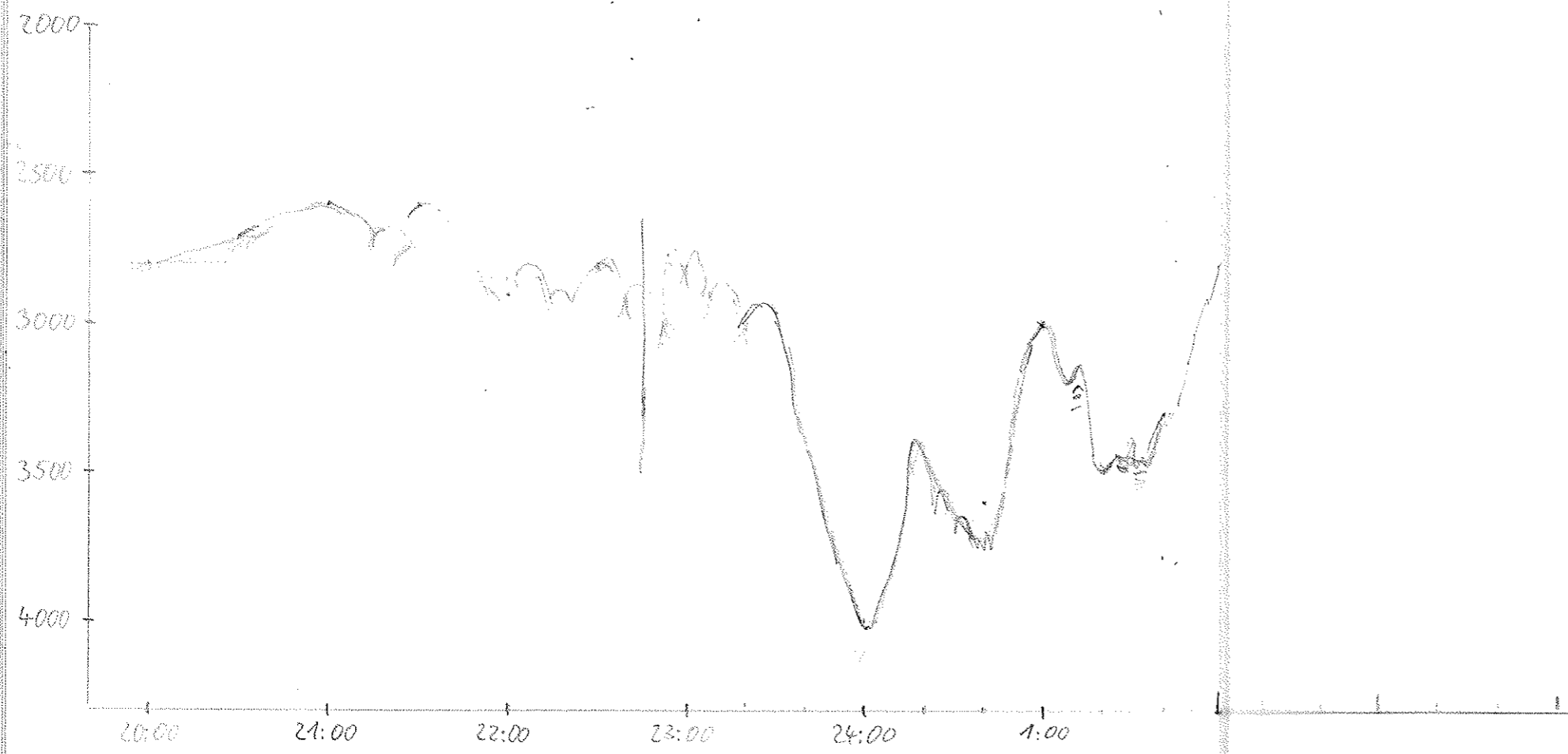


Roll	Profile	Date	Time	Latitude	Longitude	Speed	Course	Depth	Depth-Range/m	Sweep	Trigger	Delay	Scan	Pulse	Remarks
3	Dredging	26.03.86	20.34	52°04.12 S	14°29.05 E	2.9	323.7	3016	2000-4000	2	KP	0000	2000	4	
"	"	"	21.00	52°02.74	14°26.36	6.5	314.9	2965	"	"	"	"	"	"	
"	08/515-1	"	21.14	52°02.18'	14°24.78'	6.9	193.4	2785	"	"	"	"	"	"	Anfang Profil 1
"	"	"	22.04	52°08.60'	14°21.62'	9.3	200.7	3844	"	"	"	"	"	"	GPS-MODE N
"	"-2	"	22.30	52°13.50'	14°19.11'	10.6	194.0	3785	1000-2000	3	KP-	0000	1000	4	GPS-MODE N Ende Profil 1
"	"-3	"	23.13	52°14.18'	14°12.14'	4.6	267.0	3437	"	2	KP	"	"	"	GPS-MODE N Ende Profil 2
"	"	"	00.01	52°10.37'	14°13.35'	5.7	020.0	3738	"	"	"	"	"	"	
"	"	27.03.86	00.28	52°07.45'	14°14.74'	5.9	10.9	3254	"	"	"	"	"	"	3.5 abgestellt da kein Echo mehr
"	"	27.03.86	00.50	52°05.93'	14°15.83'	6.2	9.9	2955	"	"	"	"	"	"	(END ROLL 3) (Shana)
"	4	27.03.86	01.20	52°02.63	14°16.76	6.1	15.7	2867	"	"	"	"	"	"	
"	"	"	01.30	52°01.96	14°16.34	5.9	271.9	2844	"	"	"	"	"	"	MC Course Change
"	5	"	02.00	52°02.13	14°10.94	7.3	264.3	2929	"	"	"	"	"	"	MC Course Change
"	"	"	02.10	52°02.84	14°10.60	9.5	194.8	2799	"	"	"	"	"	"	
"	"	"	02.45	52°08.80	14°08.05	9.4	199.8	3900	"	"	"	"	"	"	
"	"	"	03.15	52°13.06	14°05.77	6.7	290.6	4100	"	"	"	"	"	"	Course Change
"	"	"	03.30	52°12.98	14°03.69	5.6	270.4	4000	"	"	"	"	"	"	Course Change
"	"	"	03.55	52°13.00	13°59.90	5.6	399.1	4034	"	"	"	"	"	"	Course Change
"	"	27.03	05:40	52°02.20	14°07.79	10.0	135.0	3090	"	"	"	"	"	"	Course Change
"	"	"	06:45	52°10.58'	14°20.40'	9.4	135.0	3797	"	"	"	"	"	"	Course Change 05:40 in Diagonale 06:45 Ende Diagonale Auf der Station



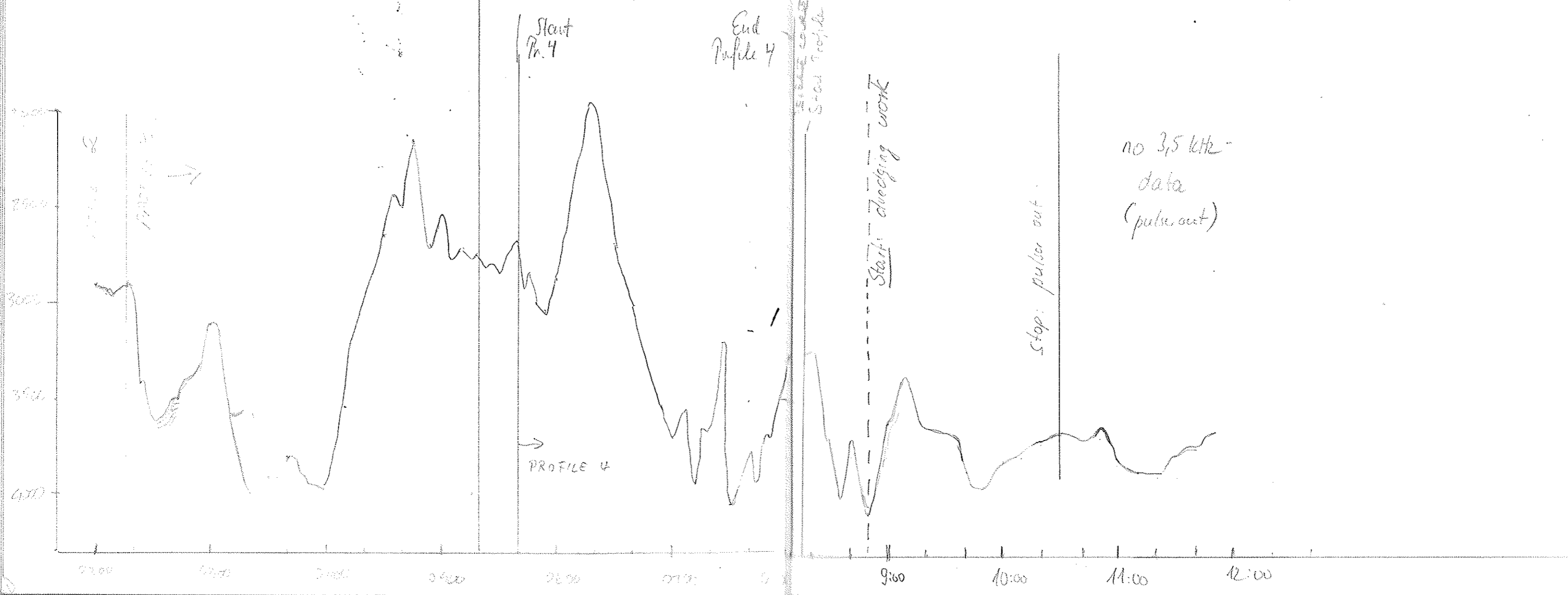


Roll	Profile	Date	Time	Latitude	Longitude	Speed	Course	Depth	Depth-Range/m	Sweep	Trigger	Delay	Scan	Pulse	Remarks
4		27.3.86	20:30	52° 04.15	14° 08.47	0.2	142	2700	2000-4000	2	KP	0000	2000	10ms	Dredging
		"	21:00	52° 04.29	14° 08.76	0.5	156	2600	"	"	"	"	"	"	"
		"	21:30	52° 03.59	14° 06.21	4.3	295	2600	"	"	"	"	"	"	"
		"	22:00	52° 02.72	14° 03.01	4.6	288	2900	"	"	"	"	"	"	"
		"	22:30	52° 01.85	13° 58.59	8.2	309	2800	"	"	"	"	"	"	"
	1	"	? 22:45	52° 03.35	13° 57.81	7.8	185	2900	"	"	"	"	"	"	Seabeam - Profile
		"	22:30	52° 10.21	13° 58.72	10.1	193	2950	"	"	"	"	"	"	"
4	1	"	23:58	52° 11.73	13° 53.23	9.9	199.9	3925	2000-6000	2	"	0100	2000	"	Leon van Heerleem
"	"	28-03-86	00:11	52° 17.15	13° 51' 96	9.2	199.0	33.2	200-4000	2	1eP	0000	2000	"	Reset delay
4	1	"	01:58	52° 22.00	13° 45' 05	9.2	199.0	2766	"	"	"	"	"	"	END OF PROFILE

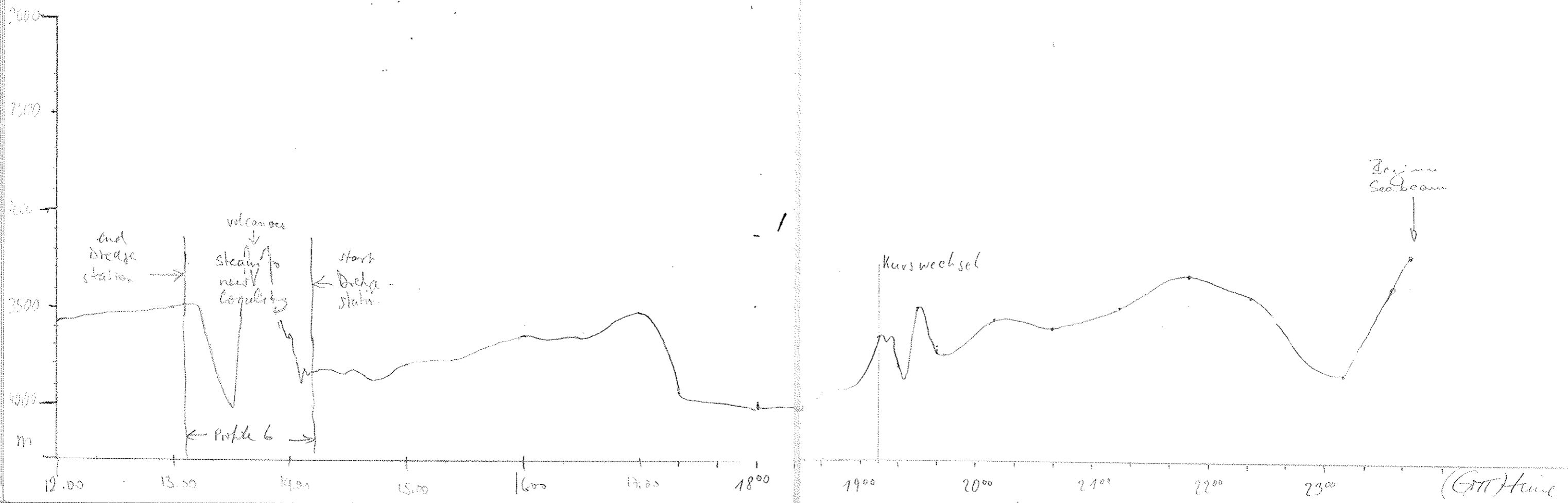




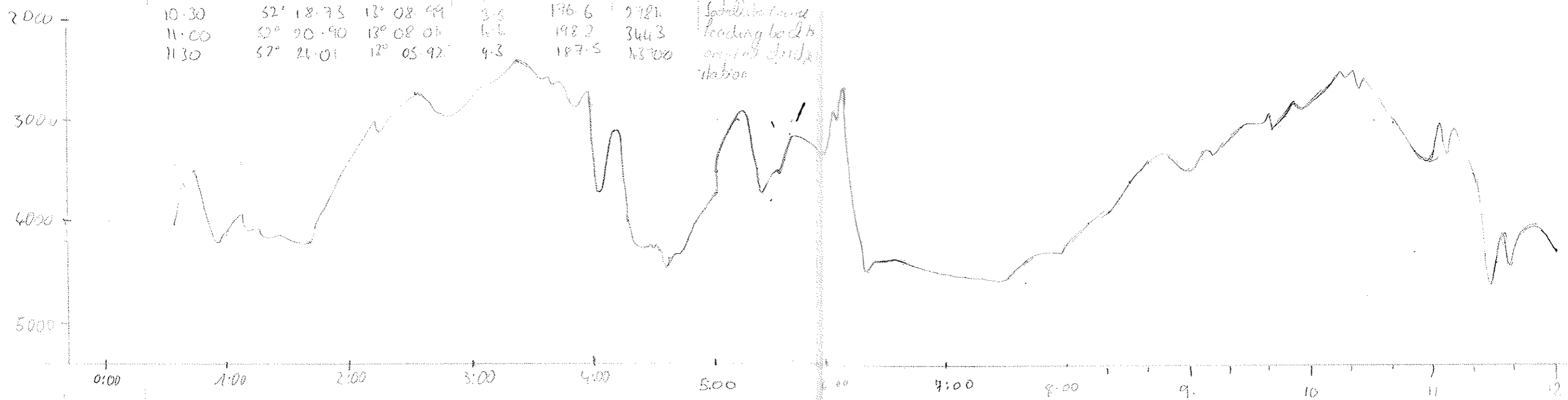
Roll	Profile	Date	Time	Latitude	Longitude	Speed	Course	Depth	Depth Range in M	Sweep	Trigger	Delay	Scan	Power	Remarks
4	2	28.3.86	02:05	52° 32' 02"	13° 42.91'	9.4	275.9	219	100-4000	2	KP	00.00	2	4	Start of profile 2
"	"	"	02:15	52° 31' 9"	13° 40.07'	8.4	272	270	"	"	"	"	"	10 m	END OF PROFILE 2
"	3	"	"	"	"	8.2	021.1	3059	"	"	"	"	"	"	START OF PROFILE 3
"	"	"	04:00	52° 14' 9"	13° 47' 05"	10.7	019.3	2390	"	"	"	"	"	"	"
"	"	"	04:35	52° 9' 27"	E 13° 50.67'	10.0	14.9	2520	"	"	"	"	"	"	"
"	"	"	05:00	52° 5' 01"	E 13° 57.82'	10.7	20.5	2618	"	"	"	"	"	"	"
3	"	"	05:18	S 52° 2' 09"	E 13° 53.54'	10.2	21.2	2776	"	"	"	"	"	"	END PROFILE 3
4	"	"	05:40	S 52° 2' 02"	E 13° 48.55'	9.2	244.6	2759	"	"	"	"	"	"	START PROFILE 4
"	"	"	06:00	S 52° 5' 02"	E 13° 46.67'	10.2	198.0	2920	"	"	"	"	"	"	"
"	"	"	06:32	S 52° 10' 10"	E 13° 45.02'	9.6	194.1	2835	"	"	"	"	"	"	"
"	"	"	07:00	S 52° 14' 68"	E 13° 43.16'	9.5	193.4	3777	"	"	"	"	"	"	"
"	"	"	07:30	S 52° 19' 10"	E 13° 41.53'	9.1	208.3	3838	"	"	"	"	"	"	"
4	"	28.3.86	08:00	S 52° 22' 85"	E 13° 35.69'	9.2	200.5	3437	1000-4000	2	KP	00.00	2000m	4 ms.	Fischer
4	"	"	8:10	52 24 12	13 35 00	8.8	190.4	3265	"	"	"	"	"	"	Ende Profile 4
5	"	"	8:15	52 24 05	13 35 94	8.5	338.5	3254	"	"	"	"	"	"	Beginn Profile 5
Dredge	"	"	9:00	52 19 16	13 40 23	2.3	322.0	3628	"	"	"	"	"	"	Beginn Dredgearbeiten
"	"	"	9:30	52 19 16	13 41 17	1.0	236.2	3841	"	"	"	"	"	"	"
"	"	"	10:08	52 19 45	13 39 76	1.0	206.3	(3840)	"	"	"	"	"	"	"
"	"	"	10:10	52 19 60	13 39 50	1.2	232.2	3694	"	"	"	"	"	"	"
"	"	"	11:00	52 20 20	13 37 69	0.9	218.4	3817	"	"	"	"	"	"	Joungkelt, Schwinzer herausgenommen
"	"	"	11:30	52 20 58	13 38 10	0.9	238.7	3792	"	"	"	"	"	"	"
"	"	"	12:02	52° 20' 73"	13° 37.82'	1.1	226.0	3600	"	"	"	"	"	"	"



Roll	Profile	Date	Time	Lat	Lon	Speed	Count	Depth	D. range	Sweep	Trigger	Delay	Scan	Pulse	Remarks	NAME 35	
4	DREDGE STATION 6 ↓ Dredge station	28.03.86	12.30	52° 20.99	13° 37.26	0.8	258	3575	—	—	—	—	—	—	3.5 kHz abgestellt dredge up at 13.10 steam to new dredge station ~ 13.20 " " stop for next dredge station  dredge cable out 4360 m " " 4801 m  Kurswechsel auf ca 50° 3 Meilen zurück  CTD - station  Seabeam angeschoben, von Klemens wieder gesteuert  keine INDAS-Pos., Brüche verständigt INDAS o.k.  Beginn Seabeam-Profil	DWH	
			13.00	52° 21.06	13° 36.38	0.6	251	3525	—	—	—	—	—	—			
			13.30	52° 19.33	13° 38.81	9.8	043	4050	—	—	—	—	—	—			—
			14.00	52° 17.56	13° 41.79	9.3	046.6	3677	—	—	—	—	—	—			—
			14.10	52° 16.56	13° 42.38	1.8	355.9	3910	—	—	—	—	—	—			—
			14.31	52° 16.61	13° 42.46	0.6	286.6	3844	—	—	—	—	—	—			—
			15.03	52° 16.68	13° 42.52	2.5	153.3	3808	—	—	—	—	—	—			—
			15.32	52° 16.70	13° 42.54	0.4	158.8	3820	—	—	—	—	—	—			—
			16.00	52° 16.47	13° 41.49	1.4	224.3	3687	—	—	—	—	—	—			—
			16.25	52° 17.13	13° 40.81	1.4	211.4	3682	—	—	—	—	—	—			—
			16.52	52° 17.47	13° 39.99	0.9	246.9	3449	—	—	—	—	—	—			—
			17.22	52° 17.73	13° 38.91	1.2	260.6	3941	—	—	—	—	—	—			—
			17.47	52° 18.00	13° 38.02	1.7	276.0	3989	—	—	—	—	—	—			—
			18.32	52° 18.53	13° 36.24	1.1	220.1	3910	—	—	—	—	—	—			—
			19.00	52° 18.88	13° 35.20	2.4	185.3	3644	—	—	—	—	—	—			—
			19.07	52° 19.02	13° 35.70	6.0	48.4	3633	—	—	—	—	—	—			—
			19.18	52° 19.72	13° 37.15	9.0	57.0	3805	—	—	—	—	—	—			—
			19.39	52° 17.50	13° 40.59	8.9	44.4	3550	—	—	—	—	—	—			—
			20.09	52° 16.77	13° 39.64	0.6	337	3561	—	—	—	—	—	—			—
			20.39	52° 17.60	13° 39.91	0.6	157	3605	—	—	—	—	—	—			—
			21.17	52° 17.80	13° 39.63	0.5	172	3500	—	—	—	—	—	—			—
			21.50	52° 18.07	13° 39.69	0.5	172	3333	—	—	—	—	—	—			—
			22.22	52° 18.14	13° 39.57	0.4	160	3446	—	—	—	—	—	—			—
23.00																	
23.10			52° 18.17	13° 39.58	8.3	338	3843										
23.36			52° 13.60	13° 36.41	10.3	351	3414										
23.46			52° 13.12	13° 35.75	8.1	162	3252										
1			2:00	52° 27.51	13° 25.70	10.5	9	4000									
3		29.03.86	2:30	52° 16.72	13° 27.56	10.7	11	3400									

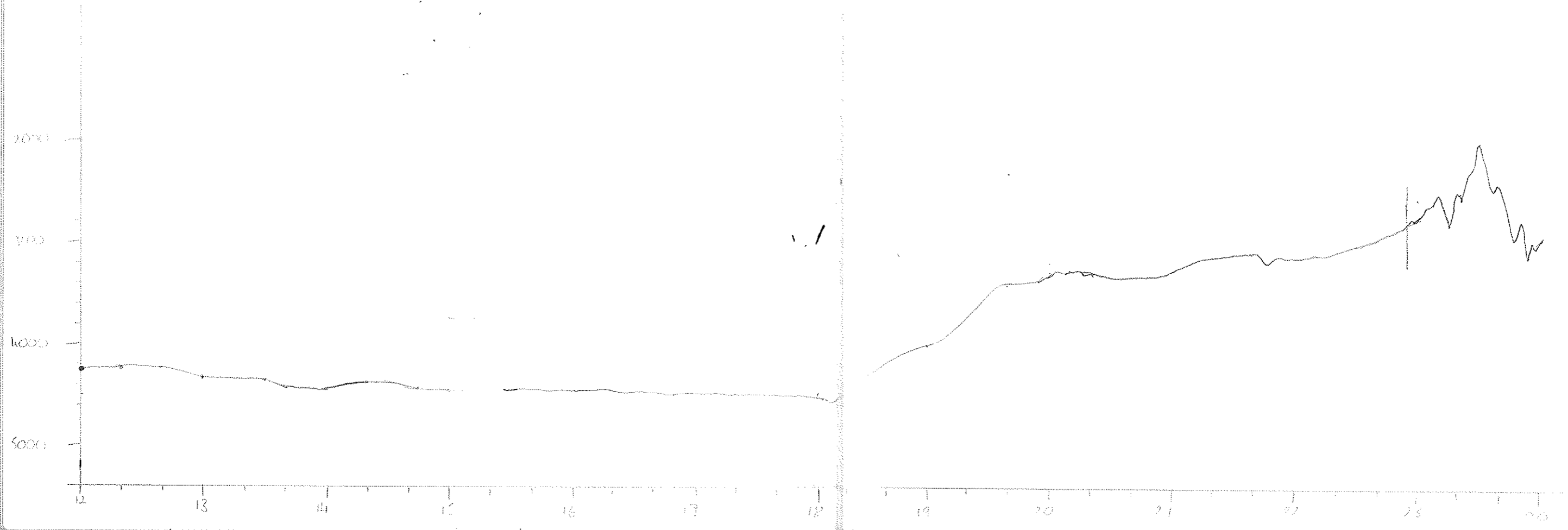


Profile	Date	Time	Latitude	Longitude	Speed	Course	Depth	Remarks
4	29.03.86	02:53	52° 12.87	13° 28.68	8.9	274	3100	Profile start
5	"	03:18	52° 13.00	13° 23.14	8.7	257	3300	"
"	"	4:00	52° 19.53	13° 19.45	10.2	198	3600	
"	"	4:30	52° 23.44	13° 16.98	9.8	193.5	4279	SE.
"	"	5:00	52° 28.49	13° 13.78	10.1	201.1	3519	
"	"	5:22	52° 31.83	13° 11.15	10.1	202.0	3374	Course Change
6	"	5:30	52° 32.30	13° 10.04	9.2	288.1	3506	Changing.
"	"	5:35	52° 32.06	13° 09.08	9.2	285.3	3512	
"	"	5:40	52° 31.51	13° 10.77	7.5	270.1	3169	
"	"	5:58	52° 32.09	13° 07.94	9.8	274.5	3300	Turning NE.
7	"	6:02	52° 31.39	13° 07.58	8.7	216°	2931	Varies from 9° → 15°.
"	"	6:27	52° 27.88	13° 04.04	10.2	15.1	4406	Note: 8:15 to 6:25. Distribution increased.
"	"	6:40	52° 26.95	13° 04.52	2.0	264.7	4422	Stop ship.
"	"	7:10	52° 26.88	13° 03.60	0.6	16.7	4364	
"	"	8:00	52° 25.03	13° 12.20	0.6	16.1	4309	
"	"	8:30	52° 22.90	13° 08.83	1.6	34.7	3558	
"	"	9:00	52° 22.18	13° 08.57	1.6	34.9	3478	
"	"	9:30	52° 20.46	13° 07.75	0.6	16.3	3178	
"	"	10:00	52° 19.72	13° 08.06	1.8	9.2	3066	
"	"	10:30	52° 18.73	13° 08.99	3.5	196.6	2781	Subsidiary course heading back to original distribution
"	"	11:00	52° 20.90	13° 08.01	6.6	198.2	3463	
"	"	11:30	52° 21.01	13° 05.92	9.3	187.5	4300	

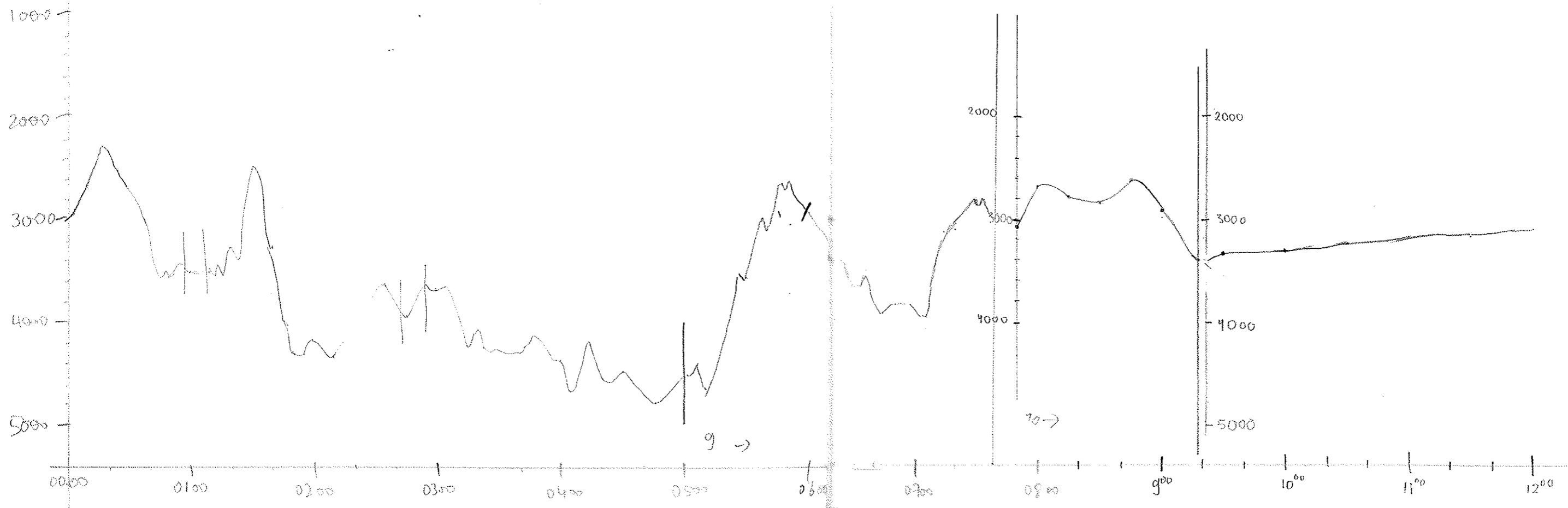




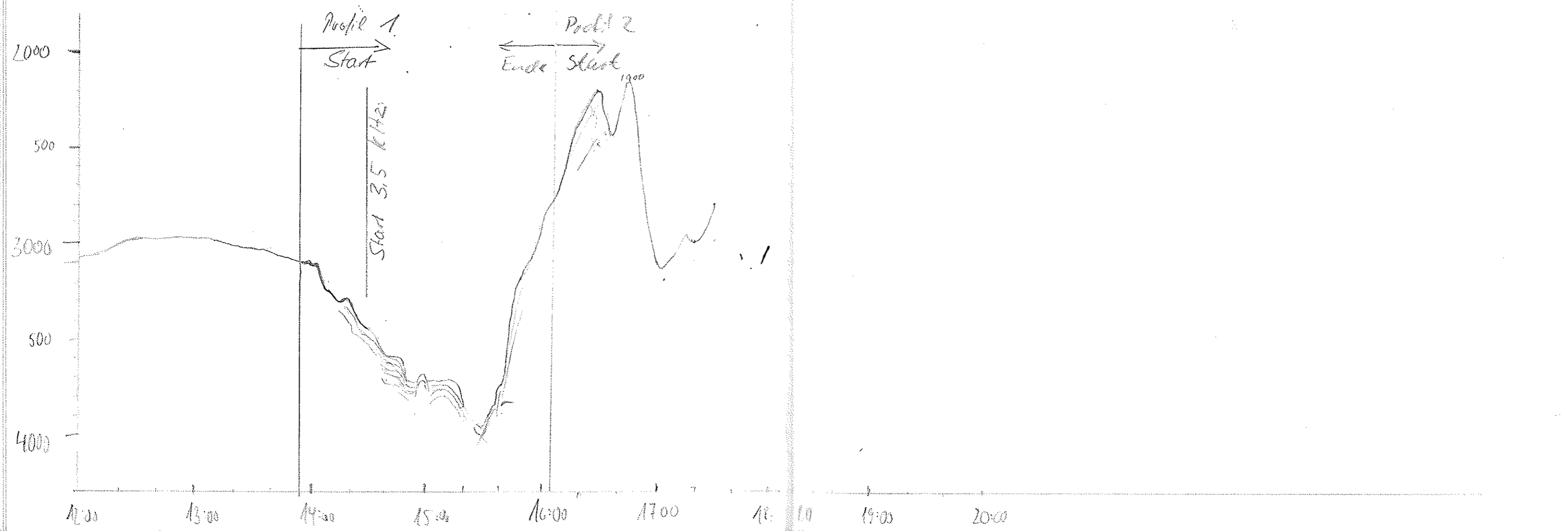
Day	Date	Time	Latitude	Longitude	Speed	Course	Depth	Remarks
7	29.03.86	12.00	52° 27 25	13° 02 87	3.0	39.9	4255	12.02 course change sledge down
		12.30	52° 27 45	13° 02 39	—	—	4278	
		13.00	52° 27 45	13° 02 39	—	—	4320	
		13.30	52° 27 06	13° 03 22	—	—	4365	
		14.00	52° 26 90	13° 03 46	0.4	23.2	4434	
		14.30	52° 26 80	13° 03 59	0.7	46.8	4406	
		15.00	52° 26 65	13° 04 60	1.0	56.8	4461	
		15.30	52° 26 46	13° 05 23	—	—	4468	course change Cruiffen
		16.00	52° 26 63	13° 05 03	0.3	163.4	4461	
		16.30	52° 26 93	13° 05 56	0.2	45.3	4485	
		17.00	52° 26 72	13° 07 71	0.4	44.3	4577	
		17.30	52° 26 04	13° 08 02	1.0	45.6	4514	
		18.00	52° 25 1	13° 07 66	1.0	51.9	4530	
		18.30	52° 24 12	13° 08 16	0.8	211.3	4116	
		19.00	52° 23 66	13° 08 40	0.8	24.2	4019	
		19.30	52° 22 87	13° 08 27	0.8	15.2	3600	
		20.00	52° 21 24	13° 08 48	0.9	16.1	3372	
		20.30	52° 21 47	13° 08 22	1.6	359.4	3408	BWT
		21.02	52° 20 71	13° 08 39	1.4	604.5	3308	
		21.30	52° 20 03	13° 08 77	1.5	0 11.3	3152	
		22.00	52° 19 41	13° 09 00	1.5	0 20.5	3023	
		22.55	52° 18 01	13° 08 97	6.4	260.8	2818	resume sidebeam survey
		23.00	52° 18 13	13° 07 76	9.6	262.1	2653	
23.30	52° 18 40	13° 00 08	9.6	260.9	2011			
8	30.03.86	00.00	52° 18 87	12° 52 73	9.3	271.1	2991	BWT



Profile	Date	Time	Lat	Long	Speed	Course	Depth	Remarks		
8	30.03.86	00:30	52° 19.87'	12° 45.08'	9.5	270.3	2187	Sub		
		01:30	52° 22.82'	12° 42.33'	10.5	135.4	2632			
		02:00	52° 26.64'	12° 48.50'	10.9	132.8	4254			
		02:35	52°	12°	10.9	136.9	3222			
		03:30	52° 32.73'	12° 48.74'	9.4	262.9	4356			
		04:01	52° 33.67'	12° 41.05'	9.3	264.1	4454			
		04:30	52° 34.26'	12° 34.66'	9.0	265.5	4492			
		05:00	52° 34.97'	12° 27.70'	9.1	257.6	4575			
		05:30	52° 39.52'	12° 32.10'	11.4	116.5	3580			
		06:00	52° 42.36'	12° 39.48'	11.3	127.3	2930			
9		06:30	52° 43.97'	12° 46.85'	11.4	124.1	2664	Thick. 1		
		07:00	52° 49.40'	12° 54.35'	11.3	128.8	3865			
		07:30	52° 52.36'	13° 2.36'	11.4	129.6	2846			
		07:45	52° 52.95'	13° 6.30'	9.8	56.5	3034			
		07:50	52° 53.46'	13° 5.94'	4.9	269.7	3026			
		08:00	52° 53.59'	13° 4.28'	6.6	259.2	2773			
		8:30	52° 54.14'	12° 58.39'	5.9	274.2	2813			
		9:00	52° 53.90'	12° 53.33'	6.4	270.2	2937			
		9:30	52° 54.08'	12° 50.81'	0.5	100.7	3367			
		10:00	52° 54.21'	12° 51.30'	0.7	114.3	3319			
11		10:30	52° 54.40'	12° 51.73'	0.8	136.5	3222	9.18 end of profile		
		11:00	52° 54.54'	12° 52.00'	0.5	123.3	3186			
		11:30	52° 54.60'	12° 52.20'	0.3	212.4	3164			
		12:00	52° 54.64'	12° 52.39'	0.3	91.2	3191			
										course change

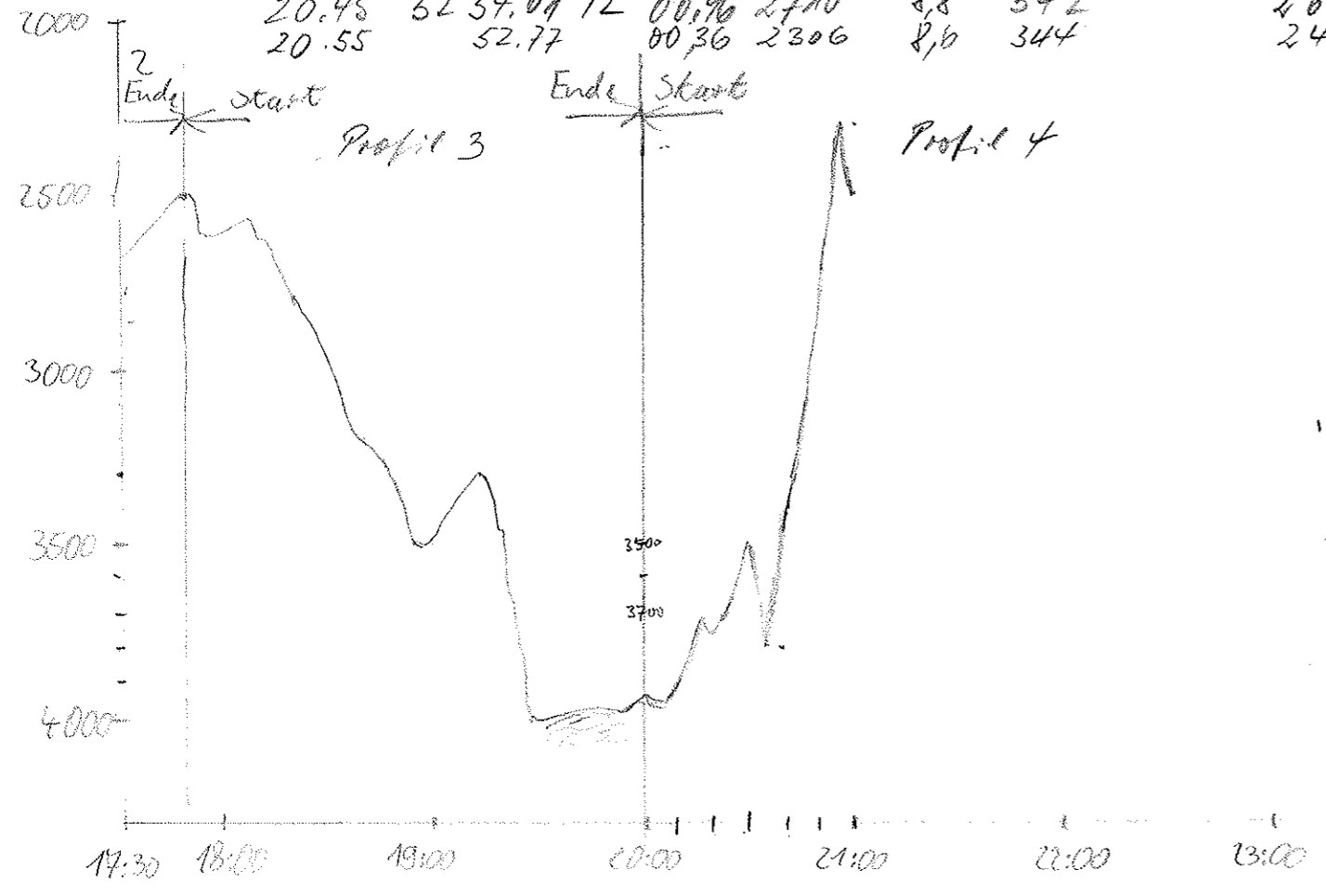


Profile	Date	Time	Lat	Lon	Speed	Course	Depth	Roll	Height (m)	Sweep	Trigger	Delay (sec)	Scan	Pulse	Remarks
Stop	30.3.86	12:34	52 54 73	12 52 73	0.4	139.7	3040								Fischer
	"	13:04	52 55 52	12 52 19	0.3	201.9	3004								
	"	13:36	52 55 72	12 52 55	0.7	125.4	3059								
1	"	13:54	52 55 73	12 52 66	1.3	277.5	3174								Profilbeginn 1
"	"	14:00	52 56 05	12 52 15	6.2	234.5	3104								
"	"	14:30	52 56 65	12 46 64	7.1	245.7	3348								
A	30.3.86	14:40	52 57 01	12 44 85	7.2	243.5	3506	4	3180-3555	2	KP---	0.25 sec	500	4	Start 3.5 kHz
		14:55	52 57 86	12 41 12	4.2	248.0	3704	4	3375-3750	"	"	0.00	"	"	
		15:22	52 58 77	12 37 06	6.9	258.5	39004	4	3155-3930	3	KP---	0.25 sec	"	"	
		15:28	52 58 91	12 35 38	6.6	243.4	3974	4	3430-4305	2	KP---	0.25	"	4	clay depths
		15:35	52 59 13	12 34 74	7.5	265.7	3923	4	3750-4125	3	KP---	0.00	"	"	
		15:41	52 59 36	12 33 53	6.8	247.2	3643	4	3775-3750	2	KP---	0.00	50	"	
		15:45	52 59 61	12 32 69	7.0	247.5	3466	4	3180-3555	2	KP---	0.25	"	"	
		15:51	52 59 80	12 31 77	7.5	264.2	3093	4	2000-3375	3	K-P	0.00	"	"	
		15:58	52 59 94	12 30 47	7.3	255.7	3022	"	2805-3180	3	K-P	0.25	"	"	
2		16:13	52 58 28	12 29 05	9.1	343.9	1978	"	1875-2250	2	KP	0.00	"	"	
		16:21	52 57 19	12 29 50	9.3	339.1	2315	"	2250-2625	5	KPKP-	0.00	"	"	
		16:33	52 54 91	12 28 00	8.7	336.1	2282	"	2055-2430	5	"	0.25	"	"	
		16:36	52 54 50	12 27 67	8.2	333.4	2056	"	1875-2250	2	KP	0.00	"	"	
		16:47	52 53 04	12 26 60	8.4	334.2	1887	"	1680-2055	2	"	0.25	"	"	
		16:54	52 52 16	12 25 36	8.9	342	2496	"	2250-2625	5	KPKP-	0.00	"	"	
		16:59	52 51 46	12 25 54	8.6	341	2806	"	2430-2805	2	KP	0.25	"	"	
		17:05	52 50 56	12 24 99	9.1	340	3146	"	3000-3375	3	K-P	0.00	"	"	
		17:17	52 49 15	12 25 71	8.0	329	3001	"	2805-3180	3	K-P	0.25	"	"	
		17:28	52 48 13	12 24 30	7.2	323	2800	"	1675-3000	2	KP	0.00	"	"	

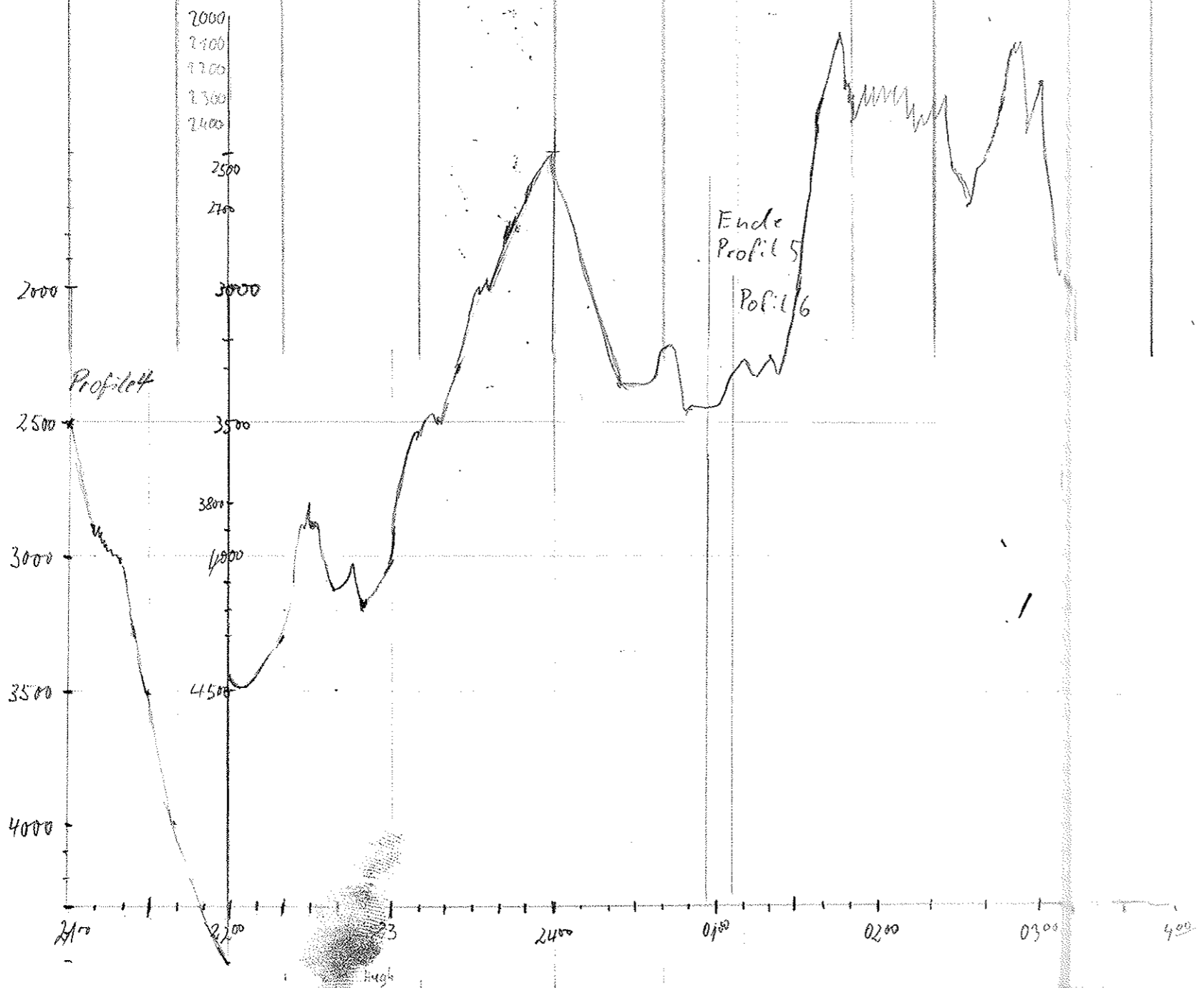




Profile	Date	Time	Lat	Lon	Depth	Speed	Course	Roll	Range	Trigger	Delay	Sweep	Scan	Pulse	Remarks
2	30.03.	17:33	52 47.64	12 23.68	2683	7.4	321	4	2430 - 2805	KP	0.25	2	500	4	Change course
		17:42	46.92	22.48	2882	8.2	340		2805 - 3180	K-P	0.25				
		17:51	45.96	21.65	2974	6.6	244								
		18:02	47.09	20.53	2802	7.2	215		2625 - 3000	KP	0.00				
		18:07	52 47.64	12 19.89	2624	7.7	218		2430 - 2805	KP	0.25				
		18:31	49.95	16.90	2748	7.6	220		2625 - 3000	KP	0.00				
		18:43	51.10	15.44	3173	7.4	219		3000 - 3375	K-P	0.00				
		18:50	51.76	14.59	3432	6.8	220		3180 - 3555	KP	0.25				
		18:53	51.98	14.27	3490	6.7	220		3375 - 3750	KP	0.00				
		19:08	53.80	14.21	3353	8.2	215		3180 - 3555	KP	0.25				
		19:17	54.92	10.07	3638	7.8	213		3375 - 3750	KP	0.00				
		19:21	55.33	09.65	3860	7.7	212		3555 - 3930	KP-	0.25				
		19:24	55.70	09.27	3912	8.4	212		3750 - 4125	KP-	0.00				
		3		20:00	59.55	04.64	3926	7.6	267						
4		20:20	57.68	02.83	3718	8.5	340	3375 - 3750	KP-	0.00	2				
		20:45	52 54.01	12 00.96	2710	8.8	342	2625 - 3000		0.00	2				
		20:55	52.77	00.36	2306	8.6	344	2430 - 2805		0.25	2				



Profile	Date	Time	Lat.	Lon.	Depth	Speed	Course	Roll	Range	Trigger	Delay	Sweep	Scan	Pulse	Remarks
4	30.3.86	21.19	52°49.11	11°58.95	2915	8.8	339	4	2805-3180		0.25	3	500	4	3,5 new range
"	"	21.28	47.93	58.25	3440	8.3	341	4	3180-3555		0.25	2	500	4	3,5 new range
5	"	21.51	44.16	56.06	4484	8.5	346	4	"		0.25	1	"	"	Hörsänderung
"	"	22.44	48.05	49.31	4071	8.1	221	4	3750-4125		0.00	2	500	4	3,5 out of order
30.3.86	"	23.55	52°54.62	11°38.68	2518	8.1	223.2	4	2250-2625		0.00	5	500	4	3,5 working
31.3.86	"	0.21	52°57.07	11°34.82	3362	7.4	225.9	4	3000-3375		0.00	3	500	4	
31.3.86	"	0.30	52°57.80	11°33.58	3383	7.7	224.5	4	3180-3555		0.25	2	500	4	
"	"	0.47	52°59.42	11°31.00	3225	7.7	224.7	4	3000-3375		0.00	3	500	4	
"	"	0.54	53°00.05	11°29.93	3464	8.4	227.0	4	3375-3750		0.00	2	500	4	
6	"	1.07	52°59.94	11°30.05	3421	8.8	5.6	4	3375-3750		0.00	2	500	4	
"	"	1.12	52°59.14	11°30.15	3323	9.2	3.2	4	3000-3375		0.00	3	500	4	
"	"	1.33	52°55.87	11°30.11	3014	9.3	0.5	4	2625-3000		0.00	2	500	4	
"	"	1.50	52°53.28	11°30.01	2299	8.5	358.0	4	2250-2625		0.00	5	500	4	
"	"	2.09	52°50.65	11°29.92	2221	8.3	2.9	4	2055-2450		0.25	5	500	4	
"	"	2.22	52°48.78	11°29.88	2390	8.6	0.6	4	2250-2625		0.00	5	500	4	
"	"	2.49	52°44.86	11°30.00	2159	9.0	358.4	4	2055-2450		0.25	5	500	4	
"	"	2.59	52°43.50	11°30.00	2353	8.7	359.6	4	2250-2625		0.00	5	500	4	
"	"	3.17	52°40.01	11°30.01	3095	9.0	2.3	4	3000-3375		0.00	3	500	4	



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Profil	Date	Time	Lat.	Lon.	Depth	Speed	Course	Roll	Ramp	Trigger	Delay	Sweep	Scan	Pulse
6	31.3.86	3:30	52° 38.94'	11° 29.99'	2909	8.9	358	4	2625 -	3000	0.00	2	500	4
		3:47	52° 36.25'	11° 30.01'	3130	9.1	359.1	4	3000 -	3375	0.00	3	500	4
		4:00	52° 33.93'	11° 29.89'	3063	9.1	2.7	"	"	"	"	"	"	"
		4:24	52° 30.20'	11° 30.01'	3192	9.1	10.6	"	"	"	"	"	"	"
7		4:30	52° 30.44'	11° 30.82'	3089	8.4	160.3	"	"	"	"	"	"	"
		4:46	52° 33.03'	11° 33.12'	3036	10.1	155.2	"	2805 -	1980	K-P	.25	"	"
		4:50	52° 33.55'	11° 33.63'	2889	9.9	153.5	"	2430 -	2805	K-P	.25	2	"
		4:58	52° 34.67'	11° 34.37'	2846	9.6	149.2	"	2625 -	1000	K-P	.00	"	"
		5:02	52° 36.06'	11° 36.07'	2606	10.7	152.7	"	2430 -	1805	K-P	.25	"	"
		5:17	52° 37.44'	11° 37.34'	2890	10.2	149.1	"	2625 -	1000	K-P	.00	"	"
		5:44	52° 41.25'	11° 42.52'	3308	9.8	107.2	"	3180 -	3555	K-P	.25	"	"
		5:56	52° 41.76'	11° 44.79'	3846	10.0	104.6	"	3555 -	3920	K-P	.25	3	"
8		5:58	52° 41.79'	11° 45.46'	3972	10.0	105.1	"	3750 -	4125	K-P	.00	"	"
		6:17	52° 42.83'	11° 50.14'	4216	10.1	108.4	"	4125 -	4500	K-P	.00	2	"
		6:44	52° 44.40'	11° 56.47'	4500	3.8	142.2	"	4305 -	4680	K-P-K-P	.25	7	"
		7:32	52° 44.77'	11° 55.46'	4520	0.0	278.0	"	"	"	"	"	"	"
		8:00	52° 44.77'	11° 55.84'	4522	0.3	132.0	"	"	"	"	"	"	"
		8:32	52° 44.79'	11° 54.88'	4570	0.5	230.3	"	"	"	"	"	"	"
		9:00	52° 44.92'	11° 55.02'	4375	0.2	209.4	"	"	"	"	"	"	"
		9:33	52° 45.16'	11° 55.49'	4442	0.4	210.8	"	4125 -	4500	"	"	"	"
		9:44							"	"	"	"	"	"
		10:04	52° 45.29'	11° 55.52'	4449	0.4	197	"	4125 -	4500	K-P	0.00	2	"
		10:30	52° 45.23'	11° 55.39'	4308	0.9	163	"	"	"	"	"	"	"
		10:33							"	"	"	"	"	"
11:00	52° 45.73'	11° 54.30'	4150	0.3	143.1	"	3930 -	4305	"	0.25	"	"		
11:34	52° 45.49'	11° 54.49'	4190	0.5	258	"	"	"	"	"	"	"		

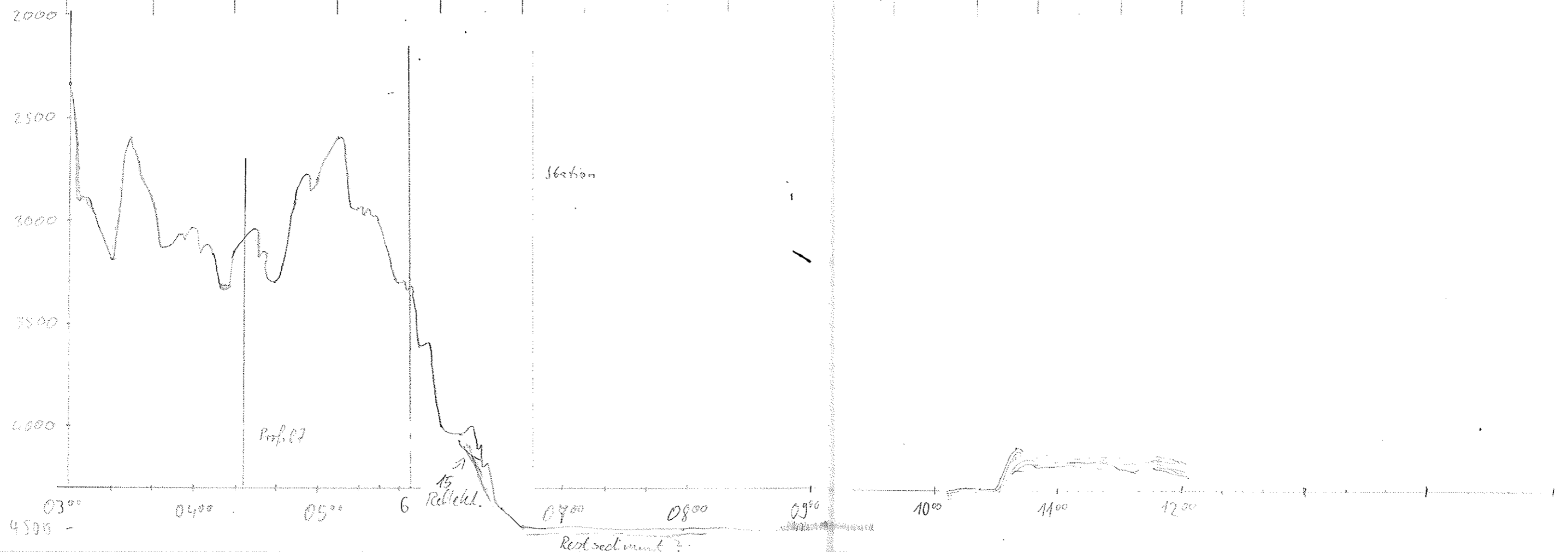
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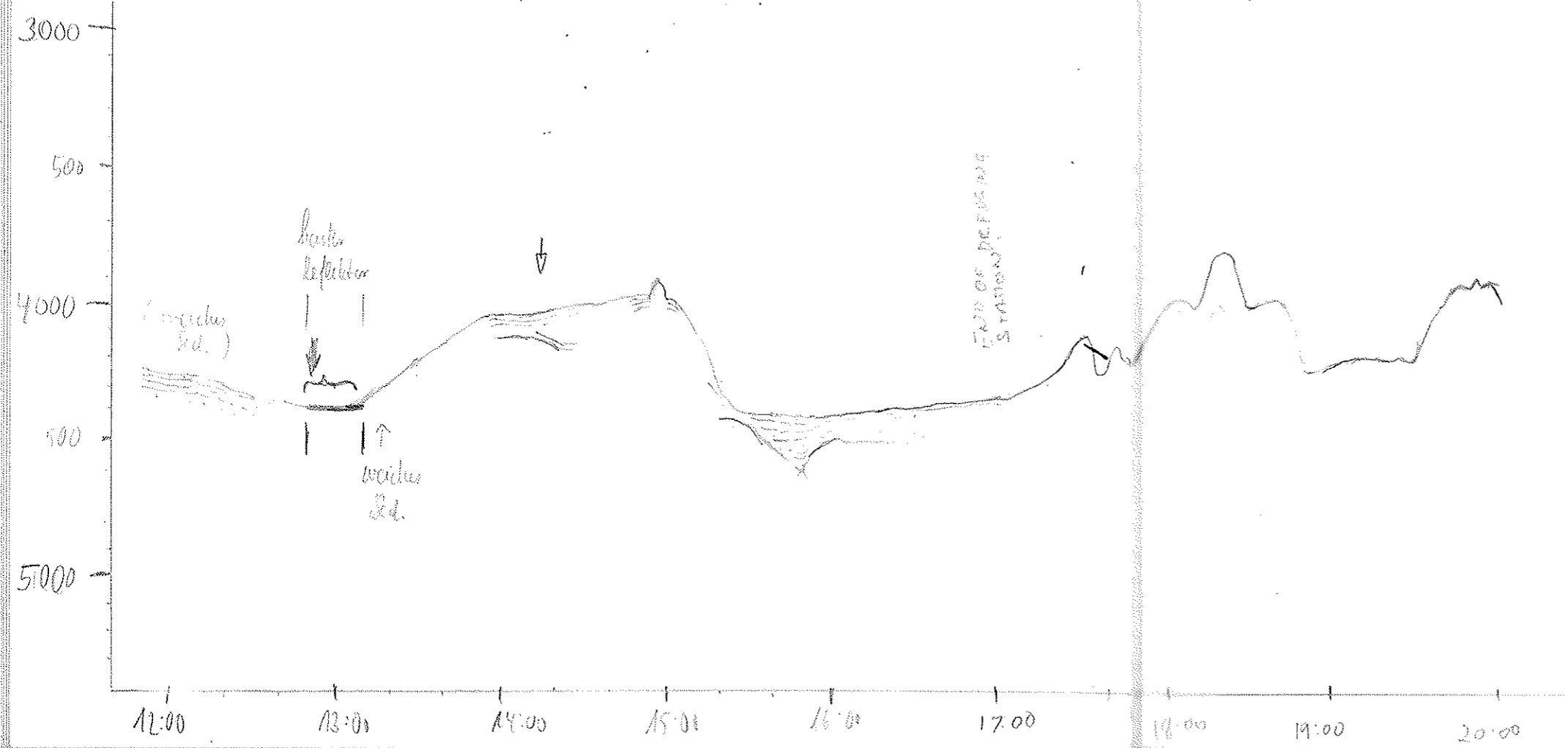
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(Anfahrt zum) Dredger

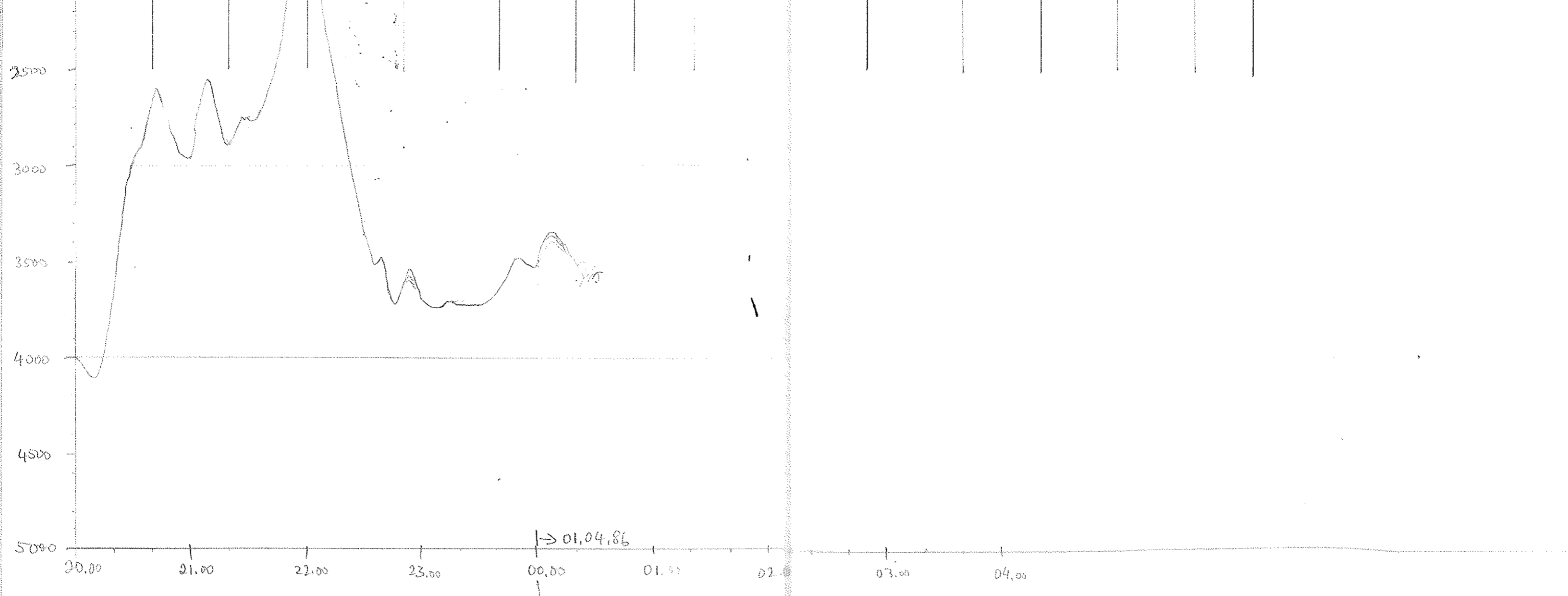




Profil	Roll	Date	Time	Lat	Long	Depth	Speed	Course	Range	(m)	Trigger	Delay	Sweep	Scan	Refr	Remarks
Dredging	4	31.3.86	12:00	52°45'64	11°54'30	4301	0.4	229.0	3930	4305	KP---	0.25	2	500	4	Dredging Station FISCHER
"	"	"	12:11	52°45'58	11°54'21	(4301)	0.4	330	4121	4301	KP---	0.00	2	"	"	"
"	"	"	12:30	52°45'57	11°54'26	4454	0.1	384.9	"	"	"	"	"	"	"	"
"	"	"	12:36	52°45'57	11°54'26	4485	0.4	253.3	4304	4620	KP-K--	0.25	7	"	"	"
"	"	"	13:00	52°45'58	11°54'05	(4481)	1.0	200.0	"	"	"	"	"	"	"	"
"	"	"	13:24	52°45'90	11°53'91	(4300)	0.9	191.8	4125-4	4500	KP---	0.00	2	"	"	"
"	"	"	13:47	52°46'46	11°53'87	(4190)	0.6	192.2	3930	4305	KP---	0.25	2	"	"	"
"	"	"	14:00	52°46'32	11°53'77	4083	0.5	184.3	"	"	"	"	"	"	"	"
"	"	"	14:36	52°46'46	11°53'39	(4000)	0.1	185.5	"	"	"	"	"	"	"	"
"	"	"	14:34	52°46'52	11°53'38	(4000)	0.9	155.7	3750	4125	KP---	0.00	3	"	"	"
"	"	"	15:00	52°46'10	11°53'15	(4023)	14.3	340.9	"	"	"	"	"	"	"	"
"	"	"	15:14	52°46'32	11°53'20	(4300)	1.5	324.8	3930	4305	KP---	0.25	2	"	"	"
"	"	"	15:19	52°46'23	11°53'27	4404	0.8	311.9	4305	4680	KP-K--	0.25	7	"	"	"
"	"	"	15:31	52°45'99	11°53'29	(4460)	1.6	347.7	"	"	"	"	"	"	"	"
"	"	"	16:08	52°44'35	11°53'90	4457	1.0	319.5	4305	4680	"	"	"	"	"	"
"	"	"	16:30	52°44'14	11°53'16	4421	4.0	290	4305	4680	"	"	"	"	"	"
"	"	"	17:00	52°43'57	11°50'73	4377	2.3	297.9	4125	4500	KP	"	"	"	"	"
"	"	"	17:40	52°43'24	11°50'16	4370	4.7	127.0	4125	4500	KP	"	"	"	"	"
"	"	"	18:05	52°45'01	11°56'62	8986	9.1	126.1	3930	4105	KP-	0.25	"	"	"	"
"	"	"	18:26	52°46'31	11°56'38	3908	8.3	231	3750	4125	"	0.00	"	"	"	"
"	"	"	18:36	52°45'07	11°56'11	4122	8.6	327	3930	4105	"	0.25	"	"	"	"
"	"	"	18:40	52°46'51	11°56'60	4675	8.3	329	4125	4500	"	0.00	"	"	"	"
"	"	"	18:48	52°46'23	11°56'32	4192	8.1	224	4305	4680	"	0.25	"	"	"	"
"	"	"	19:00	52°42'56	11°52'67	4425	1.8	334.1	4305	4680	"	"	"	"	"	"
9	"	"	19:20	52°42'96	11°51'76	4367	5.8	194.9	4305	4680	"	"	"	"	"	"
"	"	"	19:40	52°44'72	11°51'08	4038	5.0	189.2	3930	4305	KP-	2.5	"	"	"	"
"	"	"	19:45	52°45'21	11°50'96	3925	5.0	189.3	3750	4125	KP-	0.00	"	"	"	"
"	4	31.03.86	20:00	52°46'39	11°50'74	3910	4.8	193.2	3750	4125	KP-	0.00	"	"	"	"



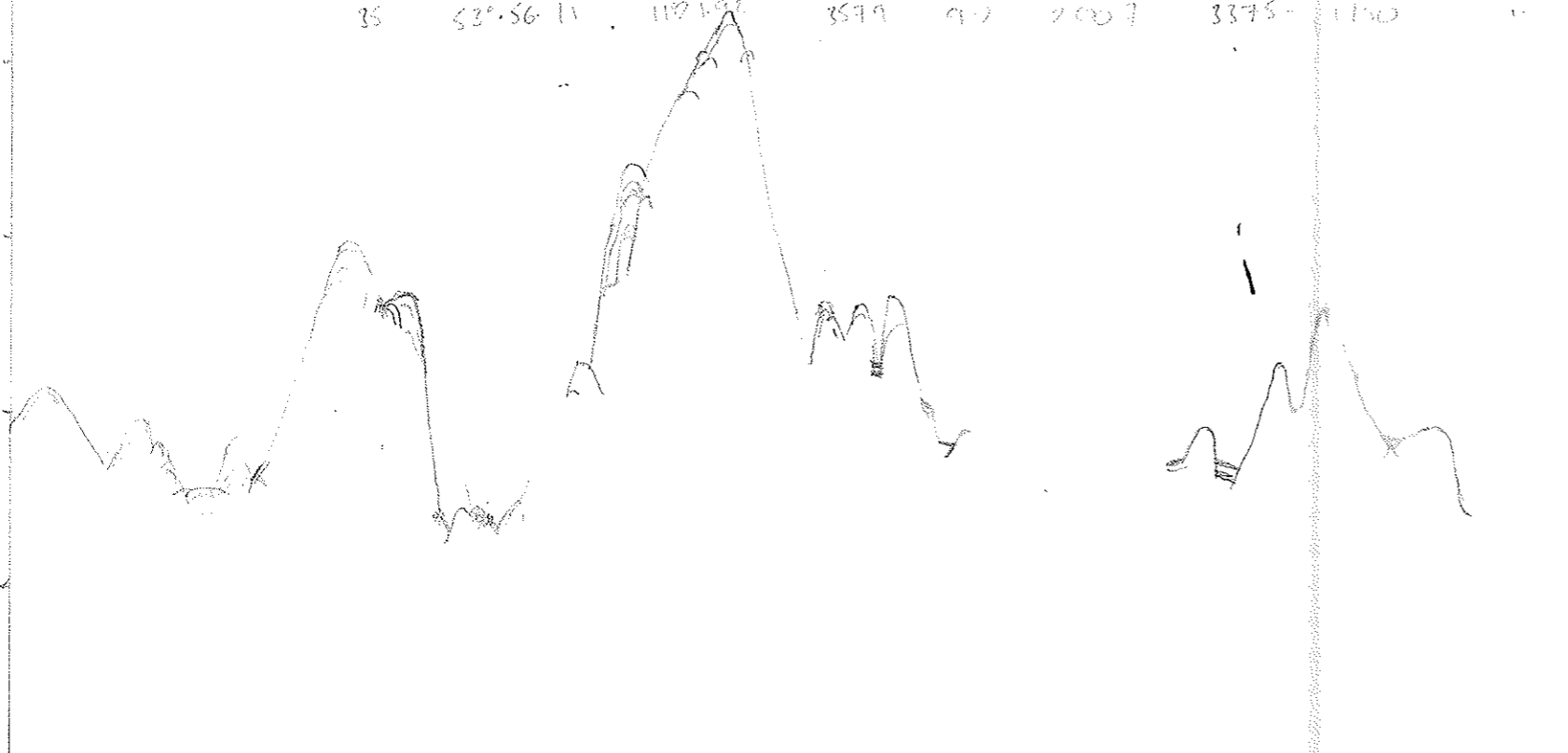
PROFILE	ROLL	DATE	TIME	LAT	LONG	DEPTH	SPEED	COURSE	RANGE	TRIGGER	DELAY	SWEEP	SCAN	PULSE	REMARKS	NAME
9	4	31.03.86	20.16						3555 - 3930	0102/1002	0.250	3	500	4	PROCEED TO SL STATION	53
			20.18	52° 47.99	11° 50.40	3337	4.9	185.8	3375 - 3750	012/102	0.000	2	"	"	Change Range	
			20.23	52° 48.30	11° 50.33	3094	4.0	185.4	3000 - 3375	0012/1002	0.000	3	"	"	"	
			20.26	52° 50.20	11° 49.90	2965	4.2	197.5	2805 - 3180	0012/1002	0.250	3	"	"	"	
			20.33	52° 50.69	11° 49.64	2858	4.4	196.6	2625 - 3000	012/102	0.000	2	"	"	"	
			20.41	52° 51.18	11° 49.34	2655	4.1	198.1	2430 - 2805	012/102	0.250	2	"	"	"	
			20.52	52° 51.92	11° 48.99	2896	4.4	197.4	2625 - 3000	012/102	0.000	2	"	"	"	
			21.05	52° 52.84	11° 48.48	2616	3.8	203.4	2430 - 2805	012/102	0.250	2	"	"	"	
			21.16	52° 53.68	11° 48.06	2890	5.6	191.8	2625 - 3000	012/102	0.000	2	"	"	"	
			21.38	52° 55.60	11° 47.39	2460	5.5	187.0	2430 - 2805	012/102	0.250	2	"	"	"	
			21.43	52° 56.01	11° 47.28	2390	5.3	190.0	2250 - 2625	010102/101002	0.000	5	"	"	"	
			21.48	52° 56.45	11° 47.13	2150	5.4	191.3	2055 - 2430	" "	0.250	5	"	"	"	
			21.52	52° 56.81	11° 46.78	1940	5.1	192.1	1875 - 2250	012/102	0.000	2	"	"	"	
			21.54	52° 56.99	11° 46.92	1800	5.2	193.4	1680 - 2055	" "	0.250	2	"	"	"	
			21.58	52° 57.35	11° 46.78	1650	5.5	194.5	1500 - 1875	010012/101002	0.000	5	"	"	"	
			22.12	52° 58.57	11° 46.24	1950	5.3	195.6	1680 - 2055	012/102	0.250	2	"	"	"	
			22.14	52° 58.75	11° 46.15	2100	5.2	200.2	1875 - 2250	" "	0.000	2	"	"	"	
			22.20	52° 59.22	11° 45.92	2400	5.8	198.7	2430 - 2805	" "	0.250	2	"	"	"	
			22.24	52° 59.60	11° 45.71	2953	5.6	196.3	2805 - 3180	0012/1002	0.250	3	"	"	"	
			22.30	53° 00.16	11° 45.49	3350	5.6	188.4	3000 - 3375	" "	0.000	3	"	"	"	
			22.34	53° 00.48	11° 45.32	3503	5.6	198.7	3180 - 3555	012/102	0.250	2	"	"	"	
			22.43	53° 01.31	11° 44.98	3580	5.5	196.6	3375 - 3750	" "	0.000	2	"	"	"	
			23.10	53° 04.02	11° 46.02	3750	5.8	199.2	3555 - 3930	0102/1002	0.250	3	"	"	"	
			23.43	53° 07.74	11° 44.10	3600	5.3	206.5	3375 - 3750	012/102	0.000	2	"	"	"	
		01.04.86	00.00	53° 09.15	11° 43.07	3529	5.6	205.9	" "	" "	"	"	"	"	"	



PROFILE	ROLL	DATE	TIME	LAT	LONG	DEPTH	SPEED	COURSE	RANGE	TRIGGER	DELAY	SWEEP	SCAN	PULSE	REMARKS	NAME
9	4	01.04.86	0:30	53° 11.68	11° 44.35	3556	5.6	212	3375 - 3750	012/102	0.00	2	500	4		
			0:52	53° 13.45	11° 40.60	3866	5.6	212	3555 - 3930	0102/1002	0.25	3	"	"		
			1:28	53° 17.47	11° 38.16	3312	7.6	204	3180 - 3555	012/102	0.25	2	"	"		
			1:31	53° 19.98	11° 37.95	3201	7.7	203	3000 - 3375	0012/1002	0.00	3	"	"		
			1:56	53° 21.10	11° 36.62	3573	8.4	202	3375 - 3750	012/102	0.00	2	"	"		
			2:00	53° 21.70	11° 36.37	3846	7.9	202	3555 - 3930	0102/1002	0.25	3	"	"		
			2:11	53° 23.02	11° 35.83	4028	8.1	202	3750 - 4125	" "	0.00	"	"	"		
			2:23	53° 24.23	11° 35.26	3711	7.3	204	3555 - 3930	" "	0.25	"	"	"		
			2:31	53° 25.21	11° 34.82	3500	7.1	205	3375 - 3750	012/102	0.00	2	"	"		
			2:35	53° 25.61	11° 34.65	3424	6.7	206	3180 - 3555	"	0.25	"	"	"		
			2:43	53° 26.55	11° 34.28	3045	7.5	200	2805 - 3180	0012/1002	0.25	3	"	"		
			2:51	53° 27.56	11° 33.88	2891	8.0	204	2625 - 3000	012/102	0.00	2	"	"		
			3:12	53° 30.05	11° 32.83	2653	6.4	203	2430 - 2805	"	0.25	"	"	"		
			3:20	53° 30.97	11° 32.41	2410	6.9	204	2250 - 2625	0102/1002	0.00	5	"	"		
			3:40	53° 33.35	11° 31.23	3386	7.7	201	3180 - 3555	012/102	0.25	2	"	"		
			3:46	53° 34.10	11° 30.98	3273	7.4	201	3000 - 3375	0012/1002	0.00	3	"	"		
			3:57	53° 35.46	11° 30.48	3370	7.8	202	3180 - 3555	012/102	0.25	2	"	"		
			4:23	53° 38.22	11° 29.25	3638	8.2	192.0	3375 - 3750	"	0.00	"	"	"		
			4:55	53° 42.22	11° 27.00	3647	7.5	203.6	3555 - 3930	0102/1002	0.25	3	"	"		
			5:00	53° 43.50	11° 26.45	3652	7.2	200.2	3375 - 3750	012/102	0.00	2	"	"		
			5:33	53° 47.37	11° 23.40	3635	7.7	188.9		"	"	"	"	"		
			6:03	53° 51.46	11° 23.24	3254	8.2	185.3	3000 - 3375	0012/1002	"	3	"	"		
			6:10	53° 52.58	11° 23.08	3145	8.9	181.3	2805 - 3180	0012/1002	0.25	3	"	"		
			6:12	53° 52.89	11° 23.02	2821	8.2	189.6	2625 - 3000	012/102	0.00	2	"	"		
			6:25	53° 54.58	11° 22.80	3036	7.5	180.9	2805 - 3180	0012/1002	0.25	3	"	"		
			6:28	53° 55.11	11° 22.58	3326	7.2	200.9	3000 - 3375	"	0.00	3	"	"		
			6:30	53° 55.61	11° 22.32	3365	7.7	200.2	3180 - 3555	012/102	0.25	2	"	"		
			35	53° 56.11	11° 21.91	3579	7.7	200.7	3375 - 3750	"	0.00	2	"	"		

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2500  
3000  
3500  
4000  
4500

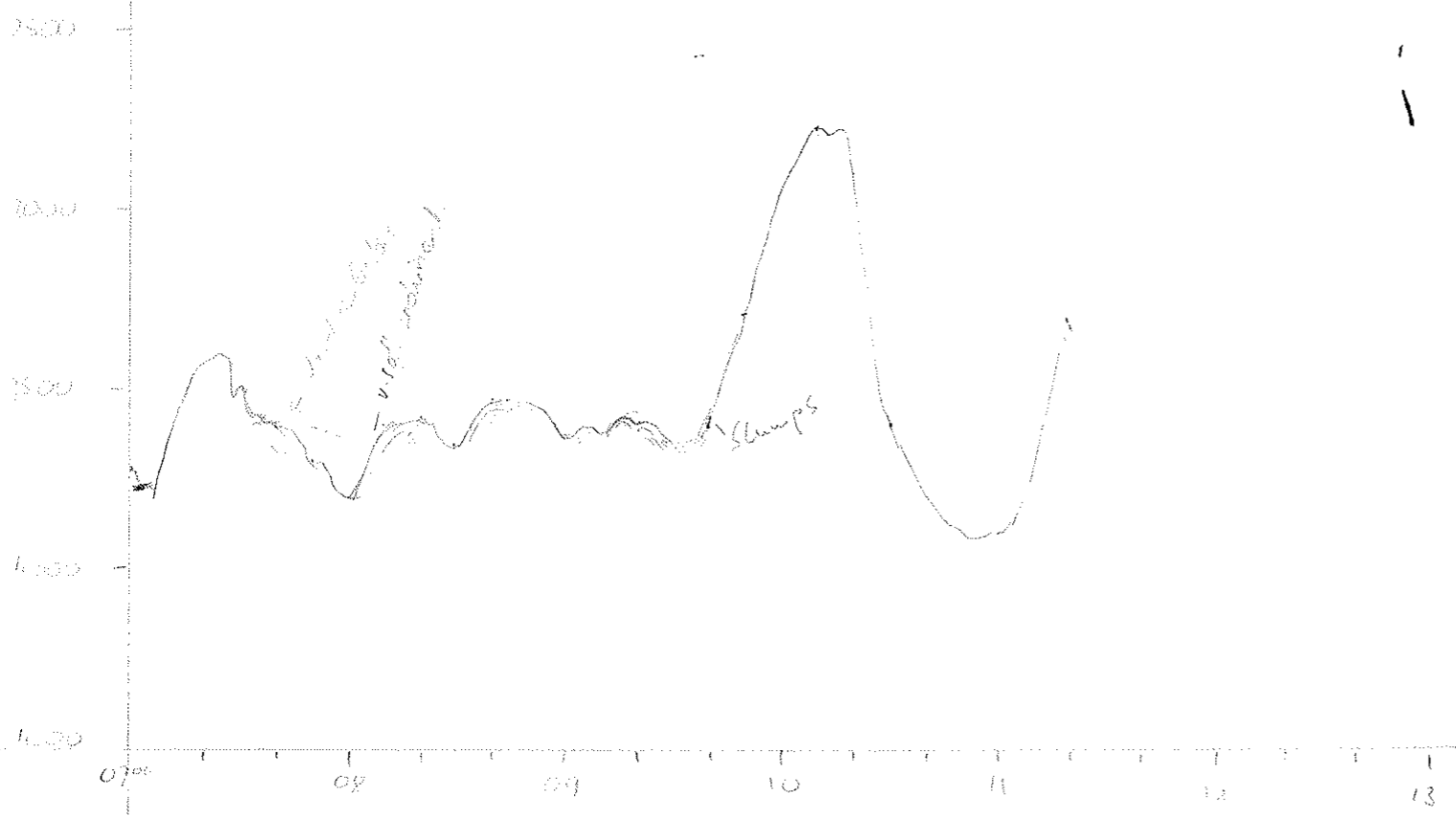
00:00 01:50 02:00 03:00 04:00 05:00 06:00 07:00 08:00



Time	Roll	Date	Time	Lat	Long	Depth	Speed	Course	2010	2010	Figure	Depth	Speed	Course	2010
9:00	4	1.04	7:00	53° 59.08'	11° 14.73'	3756	8.9	190.6	3555	1130	0102/1002	0.25	3	500	4
9:02	"	"	7:06	53° 59.41'	11° 20.15'	3777	8.8	190.2			"				
			7:16	53° 59.98'	11° 17.85'	3560	7.8	269.4	3375	1730	0121/102	0.00	2	"	
			7:24	53° 59.92'	11° 16.29'	3374	7.8	269.9	3120	1555	0121/102	0.25	1	"	
			7:33	53° 59.95'	11° 14.22'	3561	7.8	270.4	2575	1600	"	0.00	2	"	
			7:53	53° 59.55'	11° 09.82'	3711	7.8	269.7	3555	1730	0102/1002	0.25	1	"	
			8:09	54° 00.03'	11° 06.67'	3641	7.8	267.2	3375	1730	0102/102	0.00	2	"	
			8:16	54° 00.05'	11° 02.01'	3672	7.8	267.4	3555	1730	0102/1002	0.25	2	"	
			8:19	54° 00.07'	11° 03.91'	3519	7.8	268.6	3180		012/102	0.25	2	"	
			8:26	54° 00.10'	11° 01.77'	3522	7.8	268.1	3375	1730	"	0.00	2	"	
			9:00	54° 00.09'	10° 57.51'	3708	7.1	273			"				
			9:33	54° 00.22'	10° 54.25'	3673	7.6	275.1			"				
			9:53	54° 00.06'	10° 45.72'	3146	7.8	274	2805	1180	0012/1002	25	3	"	
			10:01	53° 59.99'	10° 44.14'	2904	7.8	274			"				
			10:03	54° 00.05'	10° 43.82'	2818	7.3	274	2625	1000	012/102	00	2	"	
			10:21	54° 00.02'	10° 40.22'	3510	7.4	274	3375	1730	012/102	00	2	"	
			10:28	54° 00.00'	10° 38.71'	3870	7.8	272	3555	1730	0102/1002	25	2	"	
11:00															

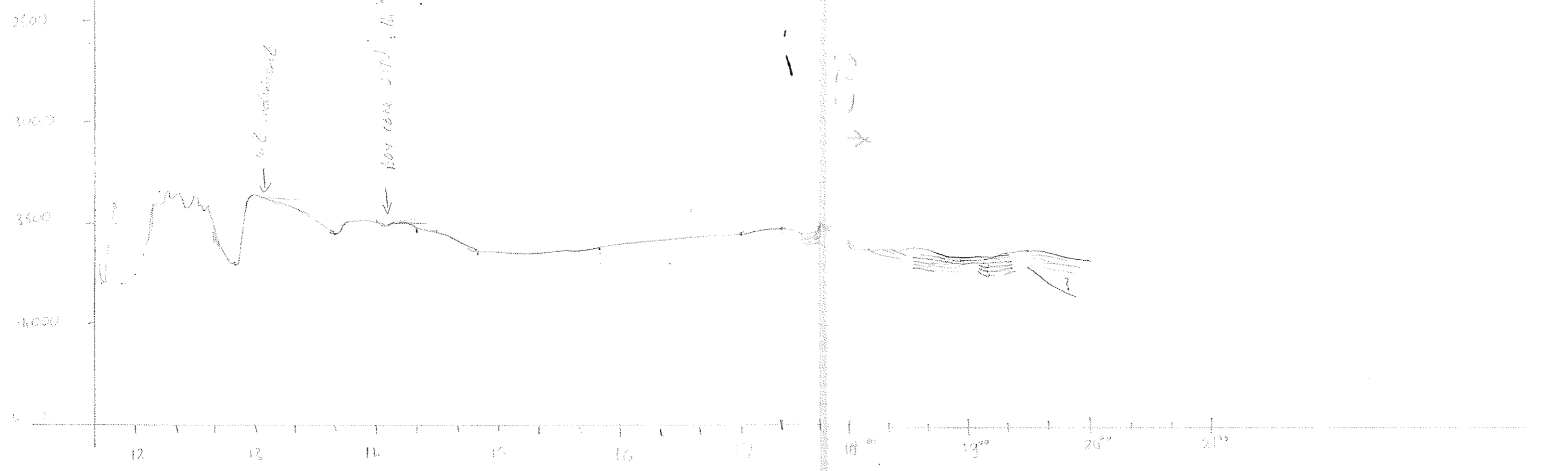
Date 10/3/02 (10)  
Range change

Position note



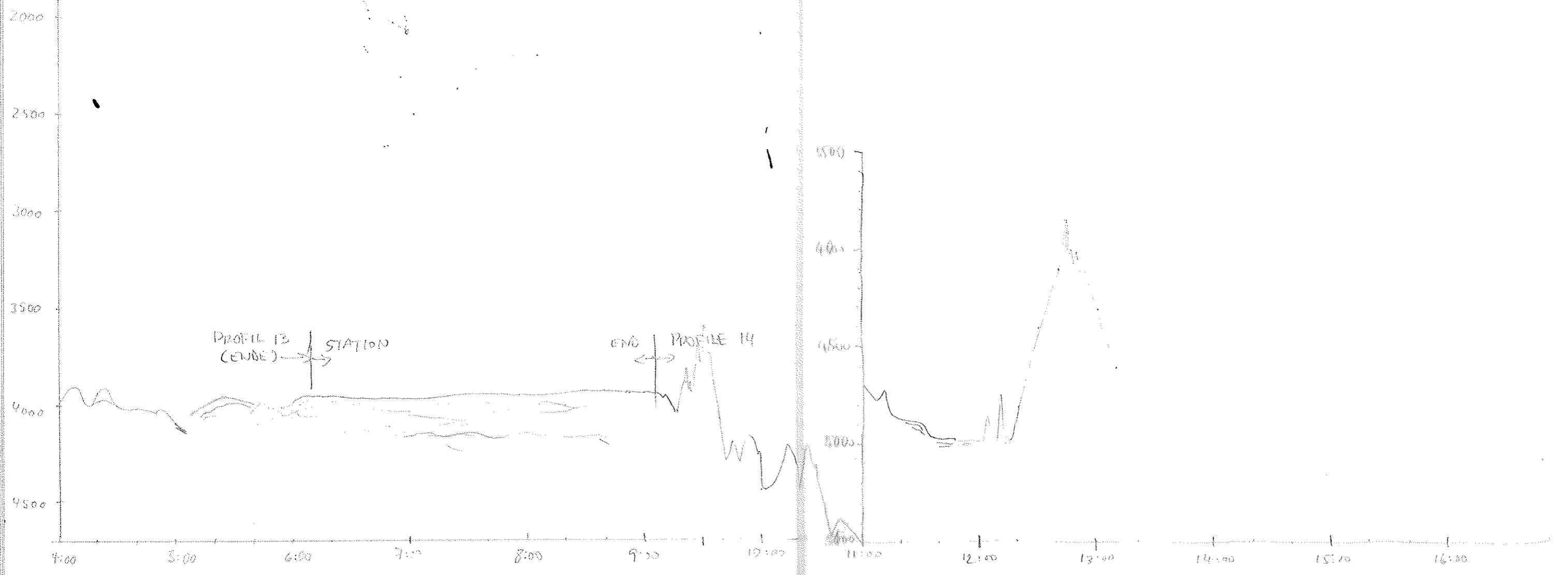


Profile	Roll	Date	Time	Lat.	Long.	Depth	Speed	Course	RANGE	Trigger	Delay	Sweep	Scan	Pulse	Remarks
41	5	14 86	10:39	53° 59.73	10° 37.82 E	3819	9.8	64.1	3375	3950	KP	00	2	500	Start Profile, new roll
			11:45	53° 52.92	10° 47.56	3763	8.7	63.2	3555	3920	0102/1002	25	3	"	"
			11:50			3425			3375	3750	012/102	25		"	"
12	5		11:57	53° 53.76	10° 53.32	3821	9.9	63.0	3555	3930	0102/1002	25	2	"	"
			12:15	53° 54.84	10° 56.96	3368	10.3	142.6	3780	3555	012/102	25	2	"	"
			12:47	53° 50.80	11° 03.85	3666	10.5	128.9	3575	3700	0102/102	00	2	"	"
			12:52	53° 59.36	11° 04.86	3539	9.1	153.4	3375	3750	012/102	00	2	"	"
			12:59	53° 59.98	11° 05.09	3400	9.1	141.1	3180	3555	012/102	75	2	"	Position
			13:12	53° 59.93	11° 06.53	3622	0.3	111.2	"	"	"	"	"	"	karbonat im Wasser
			13:20	53° 59.92	11° 05.54	3432	0.3	142.2	"	"	"	"	"	"	"
			13:40	54° 00.59	11° 05.52	3690	0.3	126.3	"	"	"	"	"	"	"
			13:55	54° 00.85	11° 06.37	3583	1.2	270.3	3375	3750	012/102	00	2	"	Range change
			14:15	54° 01.30	11° 06.17	3586	0.6	120	"	"	"	"	"	"	141 bottom
			14:30	54° 01.78	11° 06.04	3511	0.3	22.1	"	"	"	"	"	"	"
			15:00	54° 01.97	11° 06.24	3653	0.8	127.8	"	"	"	"	"	"	"
			16:25	00.62	06.51	3642	5.3	210.2	"	"	"	"	"	"	"
			16:29	00.31	05.99	3694	1.0	53.7	3555	3930	0102/1002	0.250	3	"	Range change
			16:31						3375	3750	012/102	0.000	2	"	"
			17:00	54° 00.23	11° 05.96	3568	0.6	87.6	3375	3750		0.000	"	"	16.55 SL unten 1142
			17:30	54° 00.42	11° 05.61	3567	6.2	197.3	"	"	"	"	"	"	"
			18:00	54° 00.71	11° 05.55	3676	0.4	85.7	"	"	"	"	"	"	"
			18:30	54° 00.72	11° 05.69	3613	0.5	111.2	"	"	"	"	"	"	"
			19:00	54° 00.68	11° 05.47	3663	0.4	285.2	"	"	"	"	"	"	"
			19:30	53° 59.48	11° 07.51	3639	0.4	042.9	"	"	"	"	"	"	"
			19:41	53° 59.43	11° 07.61	3633	0.2	17.8	3555	3930	0102/1002	0.25	"	"	19.15 CTD unten, range change



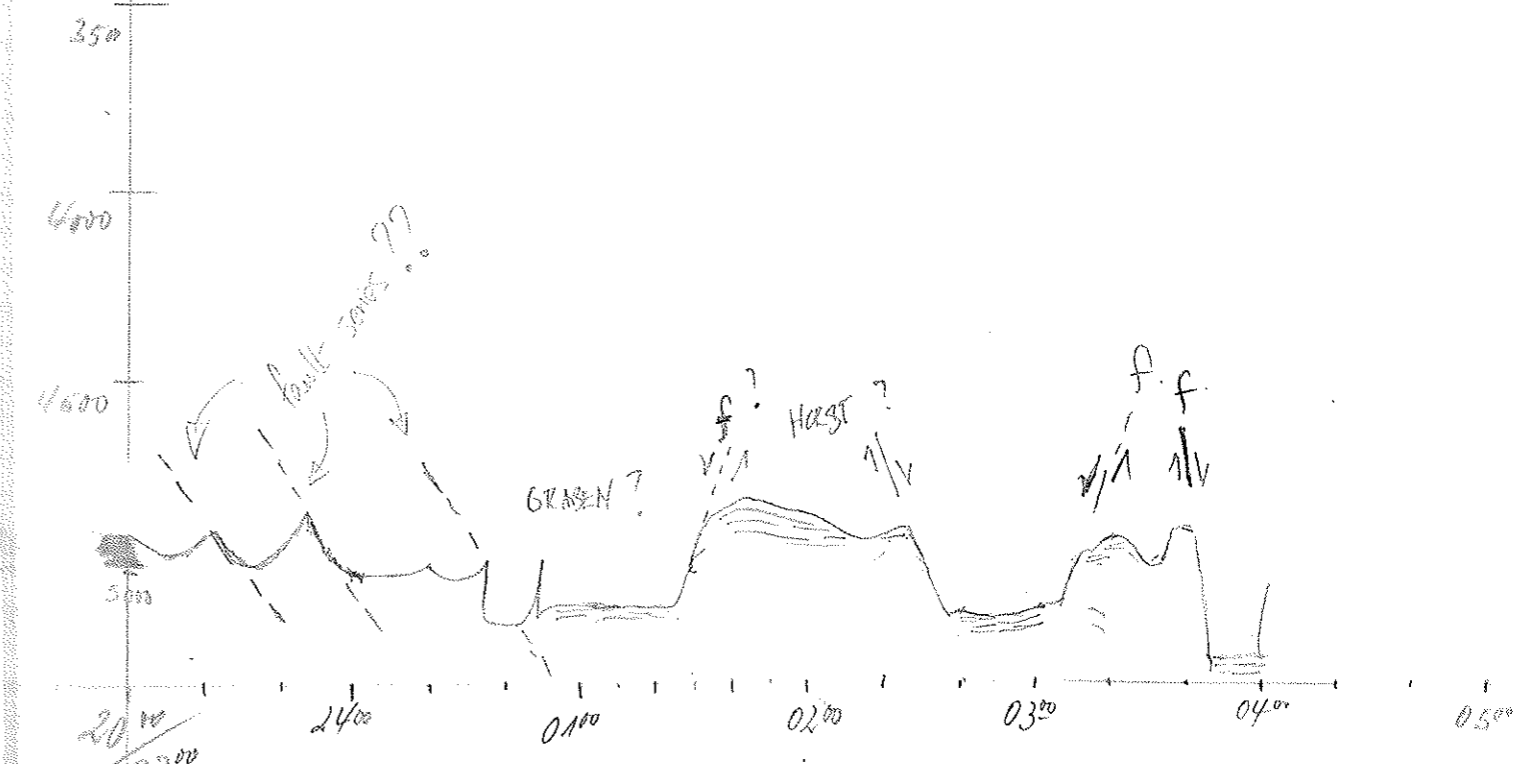
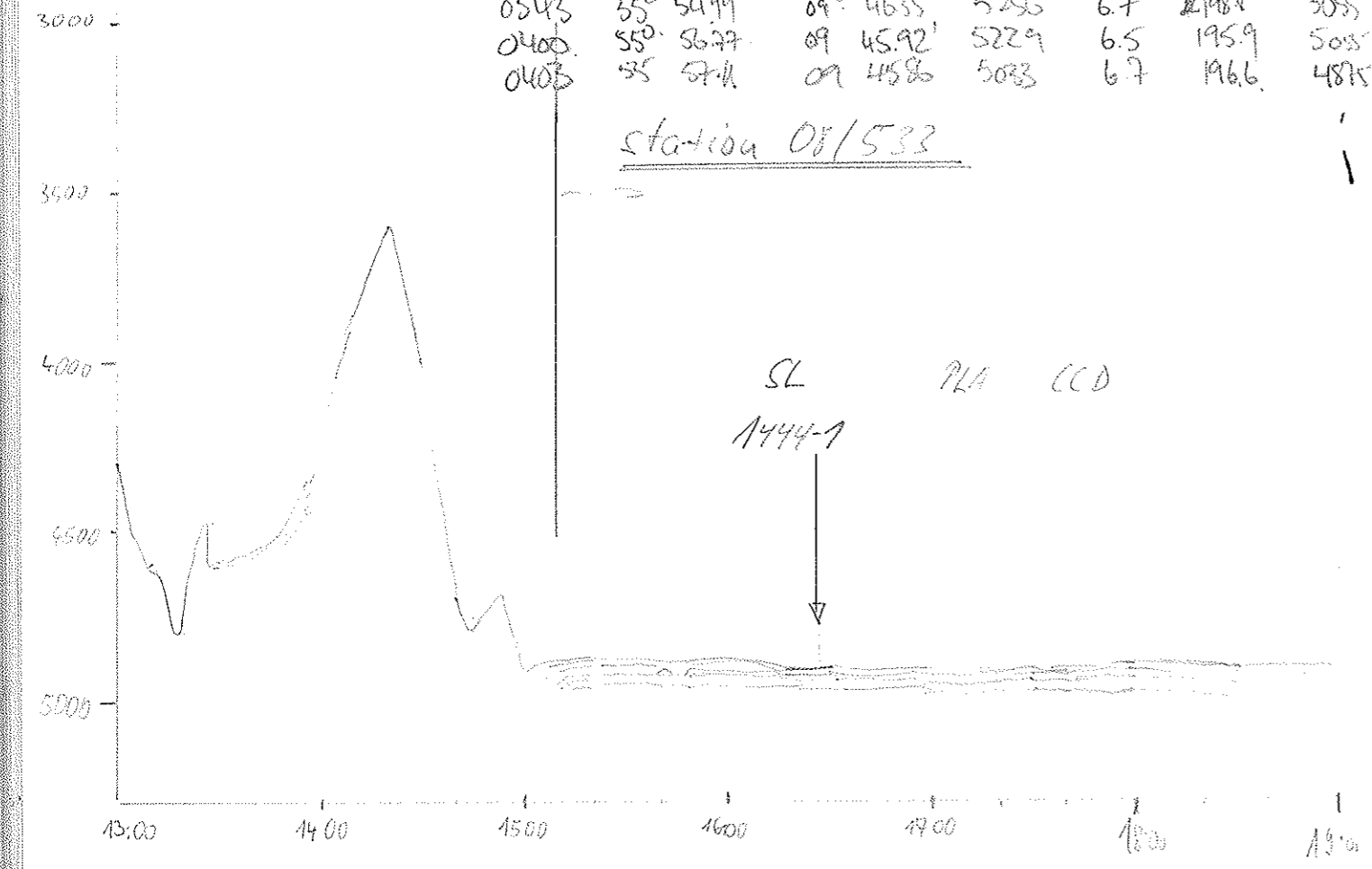


Profile	Roll	Date	Time	Lat	Lon	Depth	Speed	Course	Range (m)	Trig	Delay	Wweep	Scan	Pulse	Remarks		
13 ↓ STATION	5	2.4.86	4:30	54° 26.94'	10° 26.81'	3867	5.6	229.9	3750 - 4125	010/100	.00	3	500	4			
			5:07	54° 28.78'	10° 22.83'	4013	6.1	214.2	3930 - 4305	011/10	.25	2					
			5:12	54° 30.08'	10° 24.16'	3972	5.0	211.4	3750 - 4125	010/100	.00	3					
			6:00	54° 31.82'	10° 20.18'	3954	0.7	147.6	"	"	"	"	"	"	"	9kg STATION	
			6:16	51° 31.92'	10° 20.29'	4002	0.7	135.0	"	"	"	"	"	"	"	4kg quick down	
			6:20	51° 31.92'	10° 20.29'	"	0.6	"	"	"	"	"	"	"	"	"	
			7:01	51° 31.92'	10° 18.92'	3982	0.6	252.1	"	"	"	"	"	"	"	"	
			7:20	51° 31.26'	10° 18.97'	3935	0.3	263	"	"	"	"	"	"	"	"	4kg on bottom
			8:00	54° 30.71'	10° 19.94'	3975	-	-	"	"	"	"	"	"	"	"	
			08:30	54° 30.68'	10° 19.08'	3953	0.2	286.2	"	"	"	"	"	"	"	"	Plankton nets
14 ↓			09:00	54° 30.72'	10° 18.84'	3966	0.2	190.0	"	"	"	"	"	"	"	<del>END</del> END STATION	
			09:06	54° 30.74'	10° 19.53'	3968	0.6	070.8	"	"	"	"	"	"	"	NEW PROFILE	
			09:25	54° 33.42'	10° 19.31'	3750	9.5	178.7	3535 - 4930	"	0.250	"	"	"	"	change Range	
			09:34	54° 35.31'	10° 18.78'	4019	9.6	184.1	3750 - 4125	"	0.000	"	"	"	"	"	
			09:38	54° 35.39'	10° 18.68'	4303	9.0	186.5	4125 - 4500	012/102	0.000	2	"	"	"	"	
			10:00	54° 39.81'	10° 17.73'	4412	10.2	197.0	"	"	"	"	"	"	"	"	"
			10:32	54° 44.06'	10° 14.49'	4264	8.8	208.0	"	"	"	"	"	"	"	"	"
			10:45	54° 45.88'	10° 12.99'	4610	9.5	198.3	4305 - 4600	1000102/1000002	0.250	6	"	"	"	"	change Range
			10:49	54° 46.54'	10° 12.65'	4680	9.5	195.9	4500 - 4875	"	0.000	6	"	"	"	"	"
			11:30	54° 52.35'	10° 09.48'	4860	9.6	194.2	4680 - 5055	012/102	0.250	2	"	"	"	"	"
12:02	54° 57.39'	10° 07.59'	4970	9.3	196.7	"	"	"	"	"	"	"	"	"			
12:27	55° 01.06'	10° 05.79'	4516	9.2	201	4500 - 4845	01000102/...	0.00	7	"	"	"	"	change stylus belt			
12:35	55° 02.28'	10° 05.18'	4274	9.3	203	4125 - 4500	012/102	0.00	2	"	"	"	"	"			
12:51	55° 04.67'	10° 04.08'	3967	9.1	202	3750 - 4125	01001000	0.00	3	"	"	"	"	"			
12:59	55° 05.4'	10° 03.68'	4617	9.6	196.1	4125 - 4500	011/102	0.00	2	"	"	"	"	change Range			
13:08	55° 07.13'	10° 02.81'	4572	9.6	196.2	4500 - 4875	01000102/	0.00	7	"	"	"	"	"			



Prof.1	Rolle	Datum	Time	Lat	Lon	Depth	Speed	Course	Range	Trigger	Delay	Sweep	Scan	Pulse	Remarks
14	5	2.4.86	13:27	55°09.52'	10°01.86'	4400	7.9	205	4355-4680	010001001...	0.25	7	500	4	
			14:05	55°13.13'	9°59.72'	4450	7.1	202	3950-4425	01021002	0.00	3	"	"	
			14:16	55°14.60'	9°59.03'	3700	9.0	201	3555-3930	010211002	0.25	3	"	"	
			14:52	55°19.85'	9°56.61'	4807	9.5	195	4680-5055	0121102	0.25	2	"	"	
Station			15:14	55°22.06'	9°57.60'	4900	1.6	198	"	"	"	"	"	"	On bottom
			15:27	"	"	3895	0.6	190.6	"	"	"	"	"	"	"
			15:35	55°22.06'	9°57.60'	3895	0.6	190.6	"	"	"	"	"	"	"
			15:15	55°22.59'	E 9°58.47'	(4900)	1.0	16.2	"	"	"	"	"	"	At bottom (1444-1 SL)
			17:00	55°22.39'	09°58.23'	4917	0.1	111.3	"	"	"	"	"	"	SL coming up
			17:30	55°22.36'	09°58.30'	(4900)	0.0	169.2	"	"	"	"	"	"	17:40 SL up!!
			17:30	55°22.43'	09°57.48'	(4876)	0.2	111.9	"	"	"	"	"	"	Station PL1
			17:00	55°22.24'	09°57.20'	4870	0.2	276.2	"	"	"	"	"	"	CTD
			18:30	55°22.40'	09°57.09'	4890	0.7	105.1	"	"	"	"	"	"	"
			20:00	55°22.40'	09°56.88'	(4890)	0.1	242.8	"	"	"	"	"	"	"
			20:03	55°22.39'	09°57.14'	4885	0.1	164.1	"	"	"	"	"	"	CTD-Sonde am Boden
Station's end			23:00	55°23.60'	09°57.22'	4634	3.8	193	"	"	"	"	"	"	Erfangspunkt Profil 112 A cr.
			24:00	55°30.26'	09°54.88'	5000m	5.9	190	"	"	"	"	"	"	"
		3.4.86	00:32	55°33.37'	09°53.45'	5040	6.7	197.1	4875	5250	"	0.00	"	"	Range change
		"	01:09	55°37.62'	09°52.53'	5096	6.7	191.9	4875	5250	"	"	"	"	escarp/VAN HEERDEN/WANLAW
			01:20	55°38.68'	09°52.08'	5090	6.9	194.6	4875	5250	"	"	"	"	"
			01:43	55°41.07'	09°50.91'	4743	6.2	200.6	480	5175	01000102-1001002	0.00	"	"	Change scale ? (faulted scarp)?
			02:15	55°44.54'	09°49.77'	4825	6.3	197.4	4500	5175	01000102-1001002	"	"	"	"
			02:29	55°46.08'	09°49.29'	4946	6.7	201.7	4680	5175	012-102	0.25	"	"	Change data scale
			02:36	55°44.04'	09°49.05'	5112	6.7	200.1	4875	5250	012-102	0.00	"	"	Change delay
			03:00	55°49.41'	09°48.32'	5125	6.8	200.7	4875	5250	012-102	0.00	"	"	"
			03:15	55°51.89'	09°47.77'	4808	6.9	201.3	4680	5055	012-102	0.25	"	"	Change delay, fault scarp.
			03:30	55°52.91'	09°47.21'	4921	6.7	202.7	4680	5175	012-102	0.25	"	"	"
			03:43	55°54.99'	09°46.35'	5220	6.7	2198.9	3855	5175	01000102-1001002	0.25	"	"	Change scale
			04:00	55°56.77'	09°45.92'	5229	6.5	195.9	5055	5130	"	0.25	"	"	"
			04:03	55°57.11'	09°45.80'	5083	6.7	196.6	4875	5250	012-102	0.00	"	"	Change scale

station 08/533

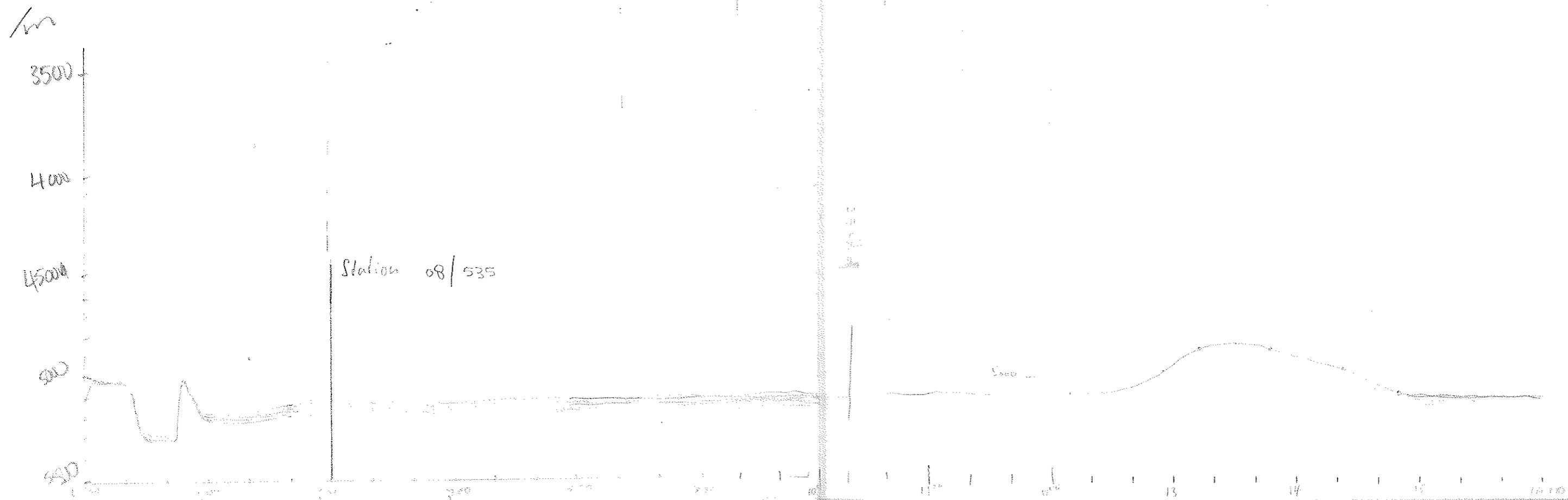




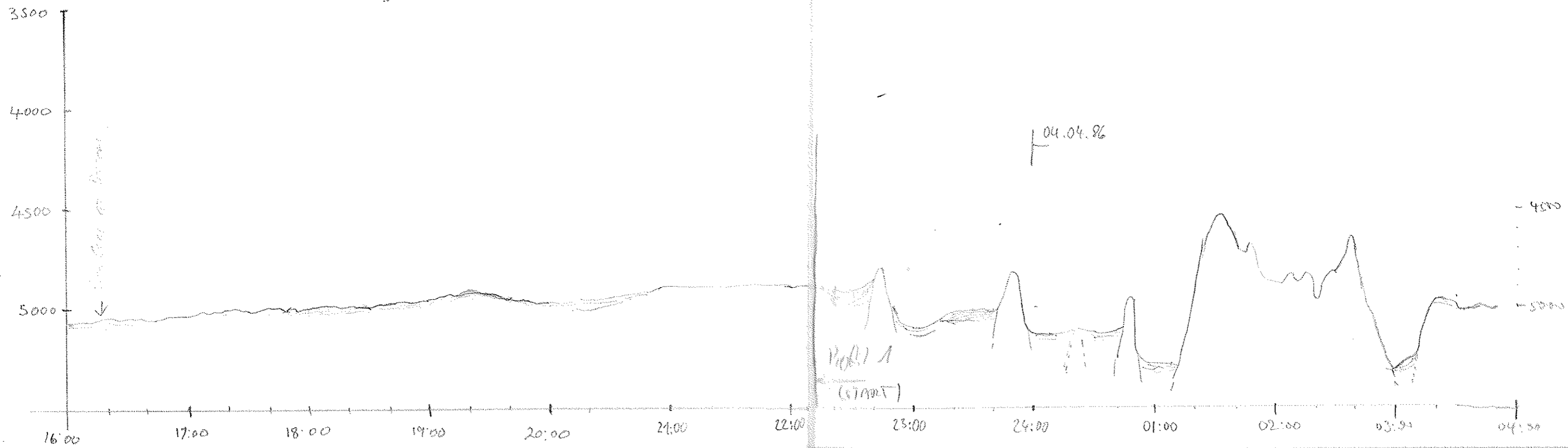
Profil	Zelle	Datum	Time	Lat	Lon	Depth	Speed	Use	Range	Thrust	Delay	Sweep	Scan	Pulse
14.	5.	08:44:56	04:57.0	S 35° 57.6	09° 45.75	5066	6.9	195.9	4875-	5250	012-102	000	500	4.
14	6	"	04:47	56° 03.99	09° 44.11	5190	5.7	185.2	4875-	5250	012-102	000	500	4
	6	"	06:00	56° 07.25	09° 40.87	5077	0.6	149.8	"	"	"	"	"	"
	6	"	06:11	56° 07.50	09° 42.72	5066	0.8	203.8	"	"	"	"	"	"
	6	"	07:09	56° 07.25	09° 40.61	5110	0.1	107.6	"	"	"	"	"	"
	6	"	07:21	56° 07.36	09° 43.49	5076	0.4	0	"	"	"	"	"	"
	"	"	08:00	56° 07.57	9° 42.94	5084	-	-	"	"	"	"	"	"
	"	"	8:30	56° 07.66	9° 42.51	5090	0.9	259.4	"	"	"	"	"	"
	"	"	8:55	56° 07.62	9° 42.41	5094	0.3	285.7	"	"	"	"	"	"
	"	"	9:24	56° 07.76	9° 41.77	5099	0.3	161.3	"	"	"	"	"	"
	"	"	10:00	56° 07.90	9° 42.08	5100	0.3	191.2	"	"	"	"	"	"
	"	"	10:45	56° 08.10	9° 42.05	5081	0.5	183.9	"	"	"	"	"	"
	"	"	10:56	56° 08.20	9° 42.04	5079	0.5	181.0	"	"	"	"	"	"
	"	"	11:24	56° 08.31	9° 41.95	5070	0.3	188.6	"	"	"	"	"	"
	"	"	12:10	56° 08.50	9° 41.79	5051	0.6	137.6	"	"	"	"	"	"
	"	"	12:56	56° 08.76	9° 42.06	4958	0.1	217	"	"	"	"	"	"
	"	"	13:12	56° 09.06	9° 41.66	4860	0.2	217	4680	5055	012-102	25	500	"
	"	"	13:47	56° 09.76	9° 41.52	4852	0.2	217	"	"	"	"	500	"
	"	"	14:23	56° 09.26	9° 41.91	4934	2.3	352	4875-	5250	"	"	"	"
	"	"	14:48	56° 09.93	9° 43.50	5075	0.7	75	"	"	"	"	500	"
	"	"	15:26	56° 09.05	9° 43.56	5066	0.4	192	"	"	"	"	500	"
	"	"	15:42	56° 7.55	9° 43.65	5070	1.2	213	"	"	"	"	500	"
	"	"	16:04	56° 07.75	9° 43.64	5075	0.7	126.4	"	"	"	"	"	"

Herbst + GRABEN TOPOGRAPHY (ABYSSAL PLAIN)  
 Rolle getauscht, Belt gereinigt  
 On3 Blasen  
 SL geht zu Wasser  
 SL im Sediment  
 SI oben  
 C.T.D. - needs im Wasser  
 10.22 3.5 kHz wird ausgeschaltet  
 10.45 C.T.D. on bottom  
 10.56 3.5 kHz angeschaltet  
 10.56 C.T.D. coming up  
 kein Signal auf 3.5 kHz  
 schwaches Signal auf EPC / CD oben  
 SL-Position von 7.21  
 auf SL-Station  
 GKG zu Wasser 1500

Station 08/535

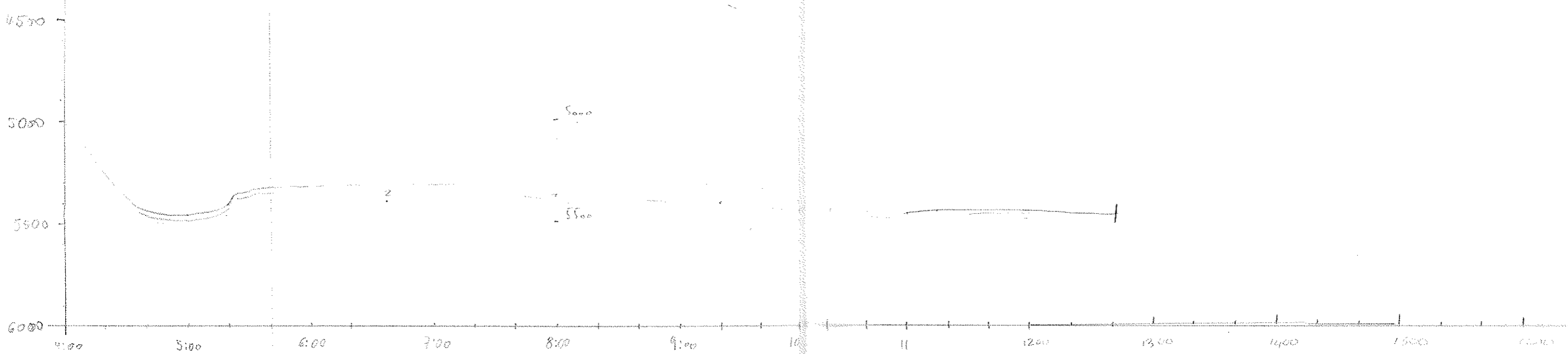


PROFIL	ROLLE	DATUM	TIME	LAT	LONG	DEPTH	SPEED	COURSE	RANGE	TRIGGER	DELAY	SWEEP	SCAN	PULSE	REMARKS	69
14	6	03.04.86	16:00	56°07,75	09°43,64	5075	0.7	126.4	4875-5250	012/102	25	2	500	4	ON STATION.	
"	"	"	16:17	56°07,86	09°43,65	5063	0.8	137.1	"	"	"	"	"	"	Box CORE AT BOTTOM [1445 by 4]	
"	"	"	16:45	56°08,02	09°43,67	5073	0.3	212.7	"	"	"	"	"	"	Box CORE COMING UP	
"	"	"	17:00	56°08,06	09°43,64	5010	0.2	164.8	"	"	"	"	"	"	"	
"	"	"	17:30	56°08,20	09°43,28	5033	0.5	235.9	"	"	"	"	"	"	"	
"	"	"	17:50	56°08,39	09°43,16	4997	0.1	140.3	"	"	"	"	"	"	Box CORE AT SURFACE.	
"	"	"	18:01	56°08,29	09°43,02	5005	1.0	221.9	"	"	"	"	"	"	"	
"	"	"	18:30	56°08,60	09°42,94	4988	0.7	207.2	"	"	"	"	"	"	CTD COMING DOWN.	
"	"	"	19:00	56°08,87	09°43,39	4962	0.3	154.3	"	"	"	"	"	"	"	
"	"	"	19:30	56°09,02	09°43,34	4966	0.3	131.1	"	"	"	"	"	"	"	
"	"	"	19:45	56°09,01	09°43,31	4960	0.2	92.7	"	"	"	"	"	"	"	
"	"	"	19:53	56°09,01	09°43,28	4970	0.2	14.1	"	"	"	"	"	"	CTD AT BOTTOM. (4925 wire out)	
"	"	"	20:00	56°09,00	09°43,29	4970	0.1	244.1	"	"	"	"	"	"	CTD COMING UP	
"	"	"	20:30	56°09,12	09°43,13	4925	0.5	219.4	"	"	0.00	"	"	"	"	
"	"	"	21:00	56°09,36	09°43,17	4958	0.6	123	"	"	"	"	"	"	"	
"	"	"	21:30	56°09,28	09°43,66	4956	0.5	161	"	"	"	"	"	"	"	
"	"	"	21:55	56°09,32	09°43,96	4997	0.4	147	"	"	"	"	"	"	CTD coming up	
1	"	"	22:12	56°09,74	09°43,40	4941	3.8	203	"	"	"	"	"	"	Profil Start	
"	"	"	22:45	56°11,98	09°41,77	4850	3.9	204	4680-5055	012/102	0.25	"	"	"	"	
"	"	"	23:00	56°12,88	09°41,21	5130	4.8	193	4875-5250	012/102	0.00	"	"	"	"	
"	"	"	23:30	56°15,22	09°41,46	5040	4.0	194	"	"	"	"	"	"	"	
1 (1)	6	04.04.86	00:02	56°17,40	09°40,43	5150	5.2	196.2	"	"	"	"	"	"	BUG	
"	"	"	00:30	56°19,44	09°39,34	5147	4.3	196.0	"	"	"	"	"	"	change range	
"	"	"	01:00	56°21,59	09°37,59	5390	4.4	189.5	5055-5430	010012/101002	0.250	5	"	"	"	
"	"	"	01:31	56°24,20	09°36,33	4543	4.8	185.2	"	"	"	5	"	"	"	
"	"	"	02:00	56°26,29	09°35,65	4900	4.9	189.8	4875-5250	012/102	0.000	2	"	"	change range	
"	"	"	02:30	56°28,53	09°34,88	4850	4.7	183.2	4680-5055	"	0.250	"	"	"	change range	
"	"	"	02:51	56°30,03	09°34,24	5050	4.2	193.7	4875-5250	"	0.000	"	"	"	change range	
"	"	"	02:55	56°30,32	09°34,09	5200	4.1	198.6	5435-5430	010012/101002	0.250	5	"	"	"	
"	"	"	03:25	56°32,50	09°33,89	4950	4.2	190.1	4875-5250	012/102	0.000	2	"	"	"	
"	"	"	04:00	56°34,85	09°32,80	4960	4.2	198.1	"	"	"	"	"	"	"	



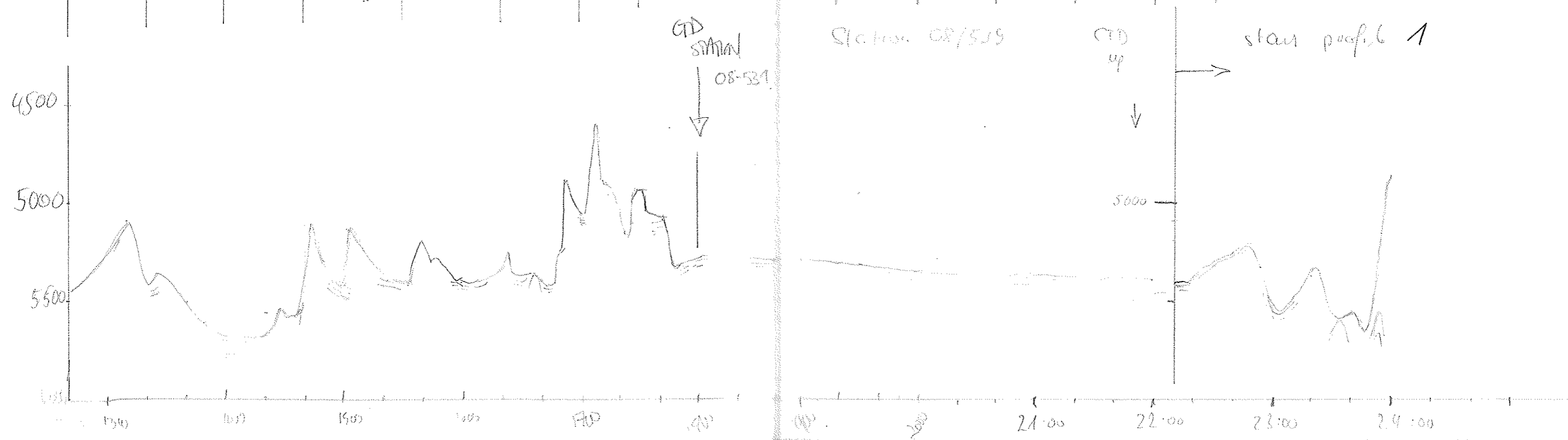
PROFIL	ROLLE	DATUM	TIME	LAT	LONG	DEPTH	SPEED	COURSE	RANGE	TRIGGER	DELAY	SWEEP	SCAN	PULSE
	6	4.4.86	4:18	56° 36.03'	9° 31.09'	5280	40	193.2	5055 - 5430	010012 / 101002	.25	5	500	4
	"	"	4:33	56° 37.16'	9° 30.94'	5401	41	180.4	5250 - 5625	"	.00	"	"	"
	"	"	5:00	56° 38.33'	9° 30.75'	5527	39	180.4	"	"	"	"	"	"
	"	"	5:30	56° 40.39'	9° 29.53'	5407	28	200.3	"	"	"	"	"	"
	"	"	5:39	56° 42.28'	9° 29.21'	5380	-	-	"	"	"	"	"	"
	"	"	6:00	56° 44.03'	9° 29.43'	5356	-	-	"	"	"	"	"	"
	"	"	8:08	56° 42.49'	9° 33.79'	5364	-	130.5	5055 - 5625	"	"	"	"	"
	"	"	9:20	56° 43.18'	9° 34.80'	5407	-	130	"	"	"	"	"	"
	"	"	9:59	56° 42.96'	9° 34.01'	5442	-	159.14	"	"	"	"	"	"
	"	"	10:24	56° 43.02'	9° 34.30'	5436	-	17.5	"	"	"	"	"	"
	"	"	10:59	56° 43.27'	9° 34.60'	5440	-	113	"	"	"	"	"	"
	"	"	11:14	56° 43.34'	9° 34.71'	5430	-	158	"	"	"	"	"	"
	"	"	11:46	56° 43.47'	9° 34.94'	5431	-	158	"	"	"	"	"	"
	"	4.4.86	11:54	56° 43.20'	9° 34.78'	5436	-	271	5055 - 5625	"	"	"	"	"

Ende Profil  
 Helix  
 10:05 CTD an Bord  
 SL in Wasser  
 SL 1446-1 im Sediment  
 Leon van Heerlen



PROFILE	ROLL	DATE	TIME	LAT	LONG	DEPTH	SPEED	ROLL	PITCH	TRIP	DELAY	SWEEP	SCAN	PULSE	REMARKS
538	6	4.2.86	12:39	56° 03' 70"	09° 34' 91"	5432	3	100	024	025	0.0	5	500	4	Start of new profile.
"	"	"	12:58	56° 04' 70"	09° 32' 06"	5302	9.2	215	2.5	4675	"	"	"	"	Seabeam switched on.
"	"	"	13:00	"	"	"	"	"	"	4750	"	"	"	"	Change scale
"	"	"	13:51	56° 02' 43"	09° 24' 15"	5601	9.0	206	5255	4675	0.00	"	"	"	Change scale
"	"	"	14:01	56° 02' 99"	09° 22' 22"	5628	7.8	213.7	2.31	4204	0.25	"	"	"	"
"	"	"	14:44	56° 02' 22"	09° 18' 17"	5175	9.2	2085	5055	4730	0.25	"	"	"	Change scale
"	"	"	14:57	57° 00' 29"	09° 15' 96"	5394	9.5	208.0	5115	4675	0.00	"	"	"	Change beam
"	"	"	15:09	57° 02'	09° 14'	5433	9.3	214.5	"	"	"	"	"	"	SAT FIX
"	"	"	15:13	57° 03' 33"	09° 12' 26"	5192	9.0	215.0	5055	4620	0.25	"	"	"	Change scale
"	"	"	15:28	57° 04' 62"	09° 10' 73"	5416	8.6	211.9	5250	5025	0.00	"	"	"	"
"	"	"	16:21	57° 10' 39"	09° 04' 21"	5293	8.6	207.9	4895	5250	0.25	"	"	"	Change delay
"	"	"	16:22	57° 10' 57"	09° 04' 79"	5390	8.7	207.9	5250	5025	0.00	"	"	"	Change delay
"	"	"	16:55	57° 13' 99"	09° 01' 41"	5048	8.6	207.0	4895	5250	0.00	"	"	"	Change delay
"	"	"	17:00	57° 14' 55"	09° 00' 29"	5085	9.1	207.6	4895	5250	0.00	"	"	"	Change delay
"	"	"	17:07	57° 17' 62"	08° 58' 55"	4785	9.0	207.5	4680	5055	0.25	"	"	"	Change delay
"	"	"	17:10	57° 18' 16"	08° 58' 19"	4844	8.0	207.8	4680	5055	0.25	"	"	"	Change delay
"	"	"	17:19	57° 19' 46"	08° 57' 36"	5156	8.0	207.0	5055	4670	0.25	"	"	"	Change scale
"	"	"	17:20	57° 20' 22"	08° 56' 26"	4873	8.3	213.2	4680	5055	0.25	"	"	"	Change scale
"	"	"	17:39	57° 21' 22"	08° 54' 98"	5094	8.3	213.4	4895	4850	0.00	"	"	"	Change delay
"	"	"	17:45	57° 22' 56"	08° 54' 08"	5289	8.3	214.0	5290	4675	0.00	"	"	"	Change delay
"	"	"	17:57	57° 23' 52"	08° 53' 19"	5314	8.27	219.1	5055	4630	0.25	"	"	"	Change delay
"	"	"	18:00	57° 23' 97"	08° 53' 31"	5367	0.0	220.2	5055	4630	0.25	"	"	"	Change delay
"	"	"	18:30	57° 24' 17"	08° 53' 60"	5315	0.2	219.4	5055	4630	0.25	"	"	"	Change delay
"	"	"	19:00	57° 23' 32"	08° 52' 51"	5312	-0.2	236.4	5055	4630	0.25	"	"	"	Change delay
"	"	"	21:00	57° 23' 81"	08° 52' 76"	5379	0.7	211.0	"	"	"	5	"	"	belt cleaning!
"	"	"	22:07	57° 24' 04"	08° 53' 19"	5409	0.5	116.3	"	"	"	"	"	"	Start profile
"	"	"	22:41	57° 24' 41"	08° 53' 72"	5406	2.3	208.4	"	"	"	"	"	"	change range
"	"	"	22:00	57° 25' 29"	08° 50' 30"	5538	4.9	215.2	5290	4675	0.00	"	"	"	Change range
"	"	"	22:30	57° 27' 00"	08° 47' 82"	5480	4.7	214.8	"	"	"	"	"	"	Change range
"	"	"	22:58	57° 25' 16"	08° 45' 69"	4993	"	"	4680	4630	0.25	5	"	"	Change range

STATION OF 539  
 6  
 7  
 4.4.86





Profile	Roll	Date	Time	Lat	Long	Depth	Speed	Course	Depth (m)	Towage	Delay	Sweep	Scan	Roll	Remarks	
1	6	5.4.86	0:06	57° 30.35	8° 45.20	4697	5.0	208	4500 - 4875	01000102	0.00	7	500	4		
			0:28	57° 31.96	8° 43.60	5017	4.1	206	4680 - 5055	0121402	0.25	2	"	"	"	
			0:48	57° 33.34	8° 41.99	5058	4.9	212	4875 - 5250	"	0.00	"	"	"	"	
			1:50	57° 37.63	8° 36.53	5211	5.0	204	"	"	"	"	"	"	"	
			1:57	57° 38.27	8° 36.01	5190	4.7	200	5055 - 5430	010012140102	0.25	5	"	"	"	
			7:13	57° 39.34	8° 34.96	5032	5.1	214	4875 - 5250	0121402	0.00	2	"	"	"	
			2:28	57° 40.23	8° 33.77	4907	4.9	220	"	"	"	"	"	"	"	
2	7	5/4/86	2:36	57° 41.10	8° 33.74	4911	5.4	182	4680 - 5055	"	0.25	"	"	"		
			3:08	57° 43.83	8° 32.99	4874	4.7	194	"	"	"	"	"	"		
			3:44	57° 46.93	8° 32.92	4541	5.8	183	4305 - 4680	010012140102 / 10010002	0.25	7	"	"		
			4:00	57° 48.24	8° 32.37	4502	5.6	193.7	4305 - 4680	"	0.25	7	"	"		
			4:20	57° 49.95	8° 31.56	4464	5.5	189	4305 - 4680	"	"	"	"	"		
			4:40	57° 51.73	8° 31.04	4469	4.9	183.4	"	"	"	"	"	"		
			5:06	57° 53.96	8° 30.67	4378	5.8	186.6	4125 - 4500	012102	0.00	"	"	"		
			5:22	57° 55.74	8° 30.26	4523	5.1	192.5	4305 - 4680	01000102 / 10010002	0.25	"	"	"		
			5:40	57° 56.90	8° 29.90	4476	2.5	182.1	"	"	"	"	"	"		
			5:51	57° 57.01	8° 30.00	4481	0.4	101.3	"	"	"	"	"	"		
3	7	5/4/86	6:20	57° 57.06	8° 30.33	4481	0.6	81.7	"	"	"	"	"	"		
			6:40	57° 53.09	8° 30.52	4480	0.2	88.1	"	"	"	"	"	"		
			7:00	57° 57.12	8° 30.57	4475	0.0	0.0	"	"	"	"	"	"		
			7:20	57° 57.18	8° 30.48	4470	0.3	207.8	"	"	"	"	"	"		
			7:40	57° 57.63	8° 29.71	4473	0.4	206.2	"	"	"	"	"	"		
			8:00	57° 57.71	8° 29.59	4471	0.3	218.9	"	"	"	"	"	"		
			08:40	57° 57.86	8° 29.37	4460	0.9	199.	4305 - 4680	"	"	"	"	"		
			08:56	58° 1.47	8° 24.57	4001	10.4	204.9	3750 - 4125	0102-1002	0	"	"	"		

Profile

8560/100

1147-1

ON STATIONS. 08/541

" Grav. Core

"

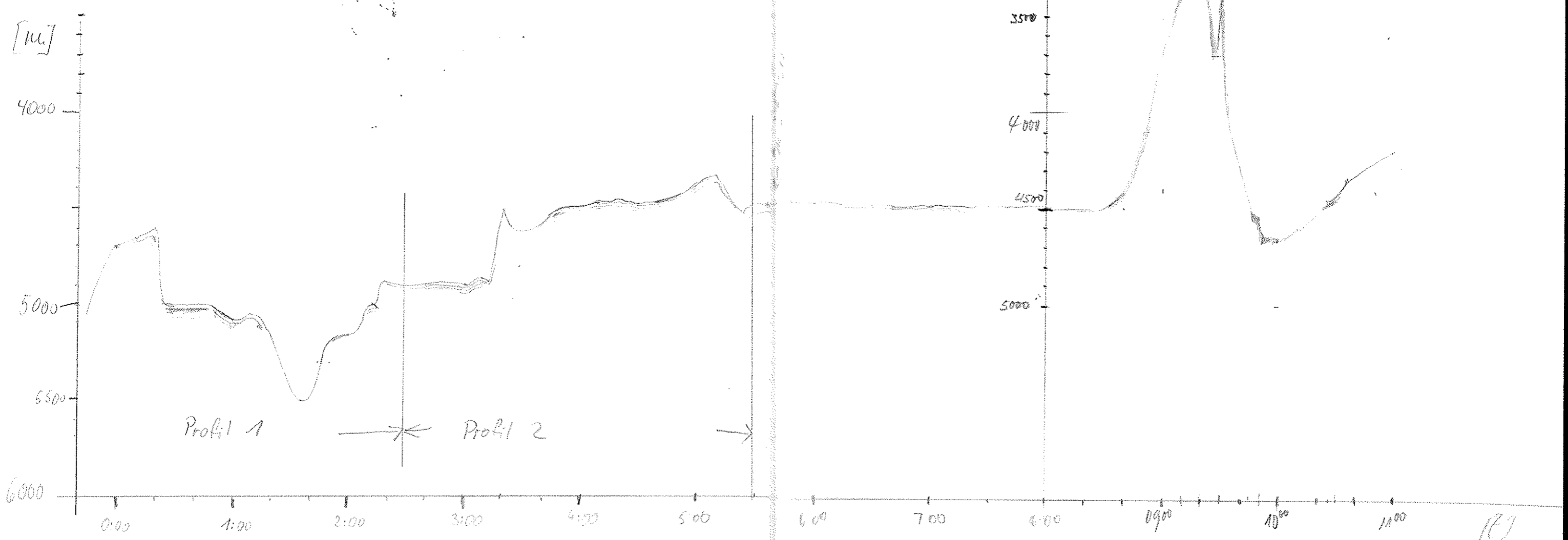
Gravity Core continues up.

"

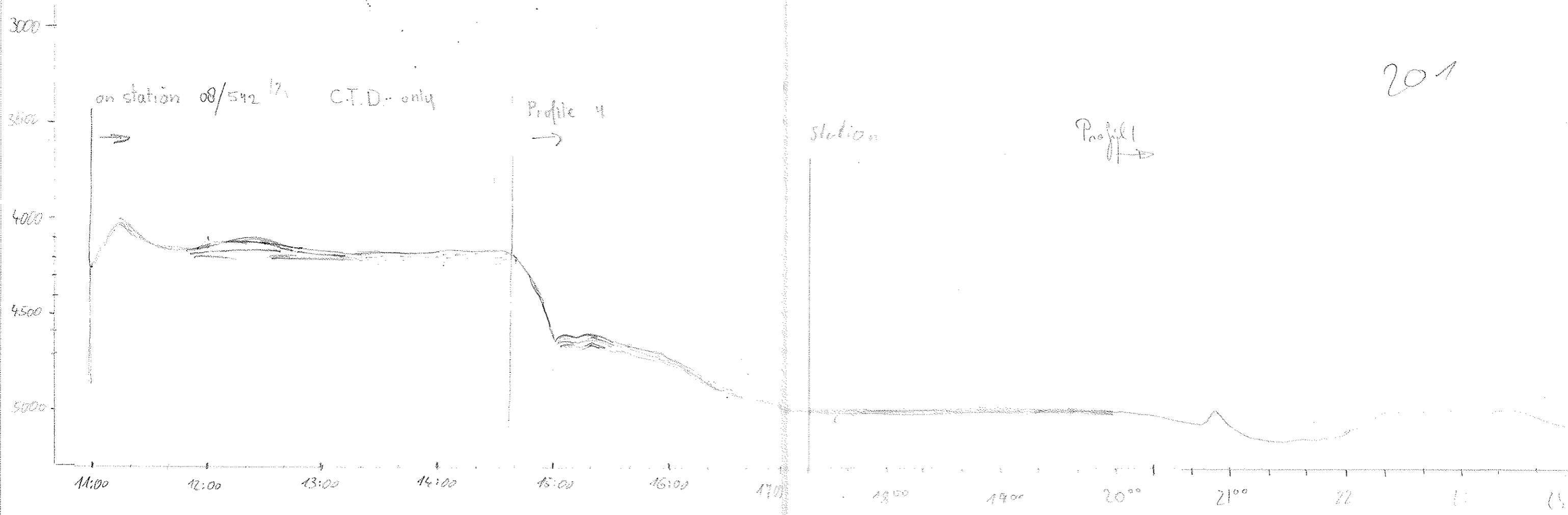
Grav. Core on SURFACE

Stat. - End

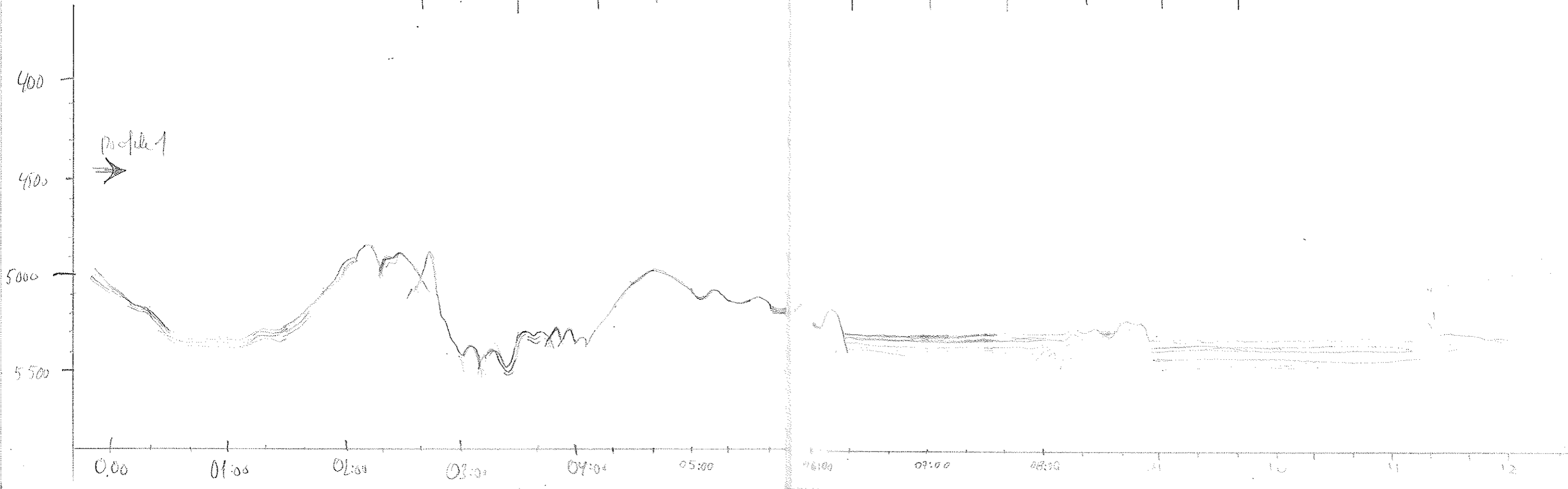
Change Range



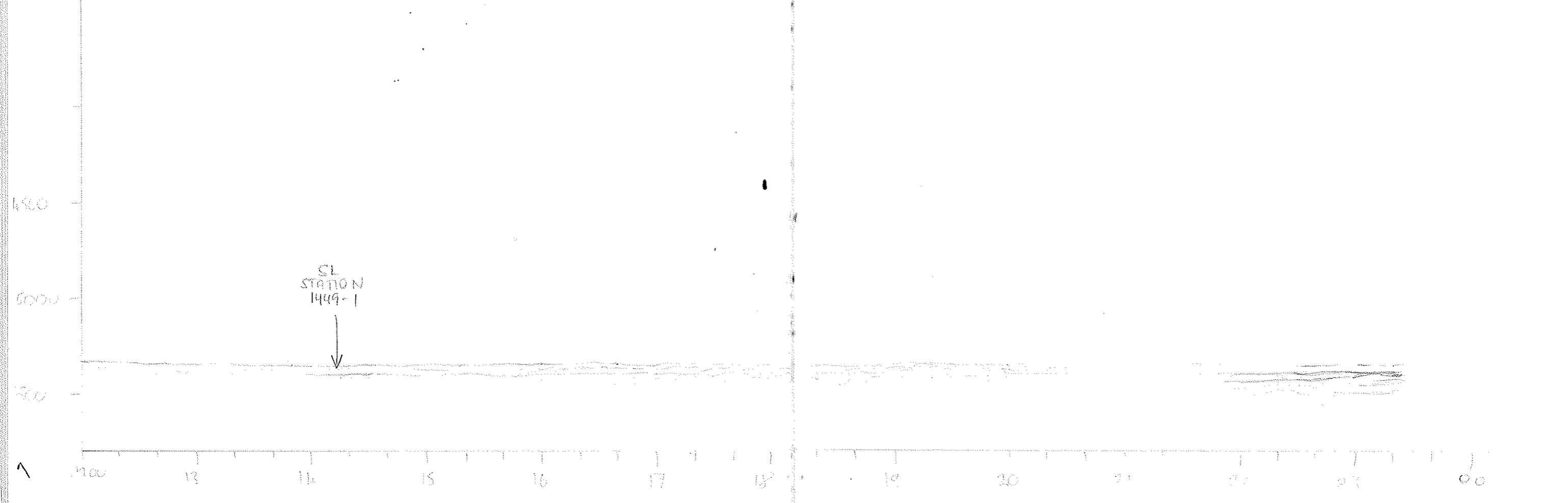
Profile	Roll	Date	Time	Lat	Lon	Depth	Speed	Course	Range	[m]	Trigger	Delay	Sweep	Scan	Pulse	Remarks	
3	7	5.4.86	11:21	58° 16.43	8° 45.94	4139	7.7	220	3930	4305	0121102	0.25	2	500	4	Ende Profil Palort C.T.D.-station	
			12.07	58° 17.86	8° 44.30	4169	0.2	210	3930	4305	"	"	"	"	"		"
			12.36	58° 17.15	8° 17.30	4141	0.9	256.9	"	"	"	"	"	"	"		"
			13.02	58° 17.27	8° 16.19	4156	1.0	241.2	"	"	"	"	"	"	"		"
			13.32	58° 17.40	8° 16.01	4198	0.0	237.3	"	"	"	"	"	"	"		"
			14.02	58° 17.62	8° 16.38	4190	0.6	205.4	"	"	"	"	"	"	"		"
			14.30	58° 17.77	8° 16.09	4186	0.4	237.3	"	"	"	"	"	"	"		"
4	7	"	14.39	58° 17.84	08° 15.98	4185	1.9	186.1	"	"	"	"	"	"	"	14.35 C.T.D. am Bord Neues Profil change delay change trigger	
			14.45	58° 18.17	08° 16.19	4280	4.0	165.3	4125	4500	"	"	0.00	"	"		
			14.59	58° 19.87	8° 18.23	4619	8.6	226.7	4500	4875	0100002 10010002	"	0.00	"	"		
			15.31	58° 22.50	8° 10.37	4648	9.3	205.2	"	"	"	"	"	"	"		
			16.38	58° 32.42	7° 59.45	4870	10.2	197.7	4680	5055	0121102	"	0.25	2	500		"
			17.16	58° 32.06	7° 56.35	5000	"	"	"	"	"	"	"	"	"		"
			17.49	58° 38.33	7° 56.18	4996	8.0	227.5	4775	5250	0121102	"	0.00	2	500		"
			17.57	58° 38.42	7° 55.40	5001	0	"	"	"	"	"	"	"	"		"
			17.52	58° 38.42	7° 55.11	5045	0	"	"	"	"	"	"	"	"		"
			18.00	58° 38.42	7° 55.11	5011	0	"	"	"	"	"	"	"	"		"
4 Ende	"	"	18.52	58° 38.57	7° 52.01	5008	0.6	171.3	"	"	"	"	"	"	"	Station Profil 4 Ende SL geht an Wasse 10:00 on the bottom 1448 Beginn Profil 1	
			19.46	58° 38.42	7° 54.69	5029	0.3	186.7	"	"	"	"	"	"	"		
			20.02	58° 38.52	7° 57.99	5018	2.6	174.5	4875	5250	"	"	"	"	"		
			20.42	58° 43.34	7° 55.71	5066	8.2	192.5	"	"	"	"	"	"	"		
			21.23	58° 48.84	7° 52.48	5092	8.6	197.6	"	"	"	"	"	"	"		
			21.46	58° 51.82	7° 51.54	5148	8.5	182.9	"	"	"	"	"	"	"		
			22.19	58° 56.37	7° 50.15	5101	8.1	188.4	"	"	"	"	"	"	"		
			22.48	58° 59.84	7° 48.06	4989	8.3	198.0	"	"	"	"	"	"	"		
			23.20	59° 03.94	7° 46.02	4980	8.0	197.0	"	"	"	"	"	"	"		
			Profil 1	7	"	20.02	58° 38.52	7° 57.99	5018	2.6	174.5	4875	5250	"	"		"
20.42	58° 43.34	7° 55.71				5066	8.2	192.5	"	"	"	"	"	"	"		
21.23	58° 48.84	7° 52.48				5092	8.6	197.6	"	"	"	"	"	"	"		
21.46	58° 51.82	7° 51.54				5148	8.5	182.9	"	"	"	"	"	"	"		
22.19	58° 56.37	7° 50.15				5101	8.1	188.4	"	"	"	"	"	"	"		
22.48	58° 59.84	7° 48.06				4989	8.3	198.0	"	"	"	"	"	"	"		
23.20	59° 03.94	7° 46.02				4980	8.0	197.0	"	"	"	"	"	"	"		



Profile	Route	Date	Time	Lat	Lon	Depth	Speed	Course	Depth v. m	Trigger	Delay	Swamp	Spec	Notes	Observer	
1	7	6.4.76	00:00	5590888	E 74249	5061	8.4	197.2	4875	5250	012/102	0.00	2	500	4	Fischer
			0:30	5591072	74173	5274	8.1	191.7								
			0:46	5591448	74092	5284	7.8	194.0	5055	5430	010072/707002	0.25	5			change ramp
			1:30	5591959	73804	5265	6.8	181.5								
			1:54	5592256	73690	5085	8.0	189.7	4875	5150	012/102	0.00	2			change ramp
			2:09	5592439	73672	4889	7.7	195.8	4630	5055	012/102	0.25	2			
			2:30	5592675	73520	4855	7.2	191.4								
			2:54	5592975	73376	5220	7.9	196.9	5055	5430	010072/707002	0.25	5			change ramp
			3:30	5593482	73186	5323	7.3	196.2								
			4:00	5593763	72918	5305	7.4	196.4								
			4:29	59°40.97'	7°27.92'	5120	7.0	196.5	4875	5250	012/102	0.00	2			change ramp
			5:03	59°44.81'	7°24.60'	5150	7.3	195.1								
			5:30	59°48.03'	7°23.65'	5174	7.8	184.6								
			6:00	59°51.76'	7°22.02'	5284	7.5	201.3	5055	5430	010072/707002	.25	5			change ramp
			6:33	59°55.58'	7°18.91'	5347	7.2	187.7								
			7:07	59°59.26'	7°18.83'	5339	7.1	188.0								
			7:30	50°2.72'	7°17.83'	5452	7.2	184.7								
			8:00	50°6.32'	7°16.13'	5361	7.0	181.1								
			8:30	50°10.11'	7°13.11'	5360	7.7	181.4								
			9:00	50°13.22'	7°10.02'	5316	7.4	177.1								
			9:30	50°16.55'	7°06.89'	5376	7.3	172.6								
			10:00	50°20.16'	7°03.76'	5366	7.2	168.1								
			10:30	50°23.45'	7°00.63'	5366	7.1	163.6								
			11:00	50°26.32'	6°57.50'	5366	7.0	159.1								
			11:30	50°29.16'	6°54.37'	5366	6.9	154.6								

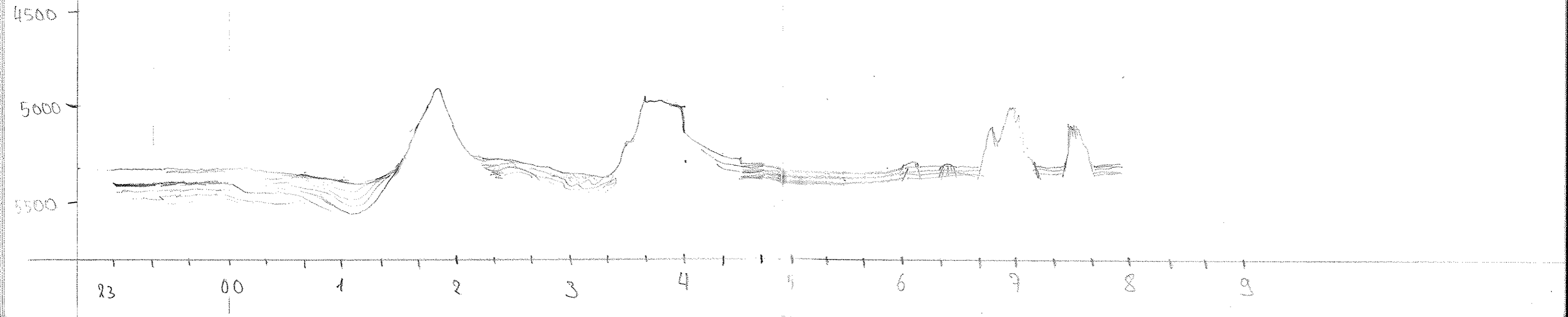


STATION	Date	Time	Lat	Long	Depth	Temp	Salinity	Wind	Wave	Current	Other	Remarks			
7	06.04.86	12.32	60° 14.69	07° 13.78	5360	0.3	218.6	5250	5625	010012/ 101002	0.000	5	500	4	
		13.01	60° 14.67	07° 14.07	5365	0.4	086.8	"	"	"	"	"	"	"	"
		13.30	60° 14.67	07° 14.31	5366	0.3	122.0	"	"	"	"	"	"	"	"
		14.02	60° 15.53	07° 14.72	5370	0.9	181.9	"	"	"	"	"	"	"	"
SL →		14.13	60° 15.48	07° 14.54	5370	0.5	169.4	"	"	"	"	"	"	"	SL on bottom
		14.30	60° 15.60	07° 14.59	5370	0.5	168.3	"	"	"	"	"	"	"	STATION 1449-1
		15.03	60° 15.84	07° 14.68	5370	0.3	163.8	"	"	"	"	"	"	"	
		15.30	60° 15.77	07° 15.18	5268	0.6	130.1	"	"	"	"	"	"	"	new stylus belt
		16.00	60° 15.82	07° 15.01	5370	0.4	115.8	"	"	"	"	"	"	"	
		16.22	60° 15.73	07° 14.74	5368	0.3	123.4	"	"	"	"	"	"	"	Heatflow in Wasser
		17.01	60° 15.79	07° 14.72	5371	0.2	178.7	"	"	"	"	"	"	"	Heatflow on bottom
		17.28	60° 15.78	07° 14.85	5371	0.4	130	"	"	"	"	"	"	"	
		18.00	60° 15.62	07° 14.52	5373	0.3	24	"	"	"	"	"	"	"	
		18.30	60° 15.53	07° 14.63	5382	0.2	18	"	"	"	"	"	"	"	
		19.00	60° 15.82	07° 14.19	5365	0.1	167	"	"	"	"	"	"	"	
		19.30	60° 15.55	07° 14.68	5381	0.3	738	"	"	"	"	"	"	"	Heatflow wieder oben
		19.40	60° 15.84	07° 13.97	5371	0.2	271	"	"	"	"	"	"	"	CTD in Wasser
		20.00	60° 15.94	07° 13.74	5392	0.4	307	"	"	"	"	"	"	"	
		20.22	60° 16.01	07° 13.44	5391	0.6	340	"	"	"	"	"	"	"	
		20.56	60° 15.80	07° 13.65	5378	0.4	371	"	"	"	"	"	"	"	
		21.31	60° 16.60	07° 13.78	5378	0.1	702	"	"	"	"	"	"	"	
		21.54	60° 16.15	07° 13.76	5371	0.2	815	"	"	"	"	"	"	"	
		22.21	60° 16.93	07° 13.13	5381	0.2	305	"	"	"	"	"	"	"	
		23.00	60° 16.78	07° 13.14	5397	0.3	109	"	"	"	"	"	"	"	
		23.20	60° 16.33	07° 13.14	5003	0.3	109	"	"	"	"	"	"	"	CTD aux Bruid.
			6			1.1									





Profile	Roll	Date	Time	Lat.	Long.	Depth	Speed	Course	Depth	Range	Trigger	Delay	Sweep	Scan	Pulse	Remarks
2	7	6.04.86	23.30	60.16.59	7°13.17	5360	6.3	199.9	5250 - 5625	0100121 101002	0.000	5	500	4	Start Profile 2	
		7.04.86	00	60.20.09	7°10.66	5371	6.9	198.9	" "	" "	" "	" "	" "	" "	" "	38km/h
2	7	"	00:20	60° 22 53	7° 08, 65	5377	7.7	205.0	" "	" "	" "	" "	" "	" "	" "	
2	7	"	00:40	60° 24, 80	7° 05, 91	5382	7.7	201.9	" "	" "	" "	" "	" "	" "	" "	
2	7	"	01:00	60° 26, 94	7° 04, 23	5397	8.3	207.7	" "	" "	" "	" "	" "	" "	" "	
2	7	"	01:20	60° 28, 98	7° 02, 14	5377	7.2	193.8	" "	" "	" "	" "	" "	" "	" "	
"	"	"	01:40	60° 31, 52	7° 00, 55	5183	8.0	197.1	5055	5430	"	25	"	"	"	
"	"	"	01:47	60° 32, 41	7° 00, 09	5073	7.8	191.8	4875	5250	012/102	00	"	"	"	
"	"	"	2:00	60° 34, 16	6° 59, 04	5095	7.9	198.9	" "	" "	" "	" "	" "	" "	" "	
"	"	"	2:20	60° 36, 38	6° 56, 00	5348	7.9	193.1	5250	5625	010012 107002	00	"	"	"	
"	"	"	2:40	60° 39, 50	6° 54, 56	5368	8.4	201.5	" "	" "	" "	" "	" "	" "	" "	
"	"	"	3:00	60° 42, 02	6° 52, 96	5381	8.7	199.9	" "	" "	" "	" "	" "	" "	" "	
"	"	"	3:24	60° 45, 31	6° 51, 85	5378	8.0	199.6	" "	" "	" "	" "	" "	" "	" "	
"	"	"	3:33	60° 46, 55	6° 51, 08	5252	7.8	199.5	5055	5430	"	25	"	"	"	
"	"	"	3:40	60° 47, 51	6° 50, 43	4994	8.7	198.7	4680	5055	012/102	25	"	"	"	
"	"	"	4:00	60° 50, 70	6° 48, 77	5053	8.6	199.6	4875	5250	"	000	"	"	"	
"	"	"	4:20	60° 52, 60	6° 47, 76	5284	8.6	193.8	5055	5430	0100121 101002	0.25	5	"	"	38km/h
"	"	"	4:30	60° 54, 18	6° 46, 38	5379	9.0	197.3	" "	" "	" "	" "	" "	" "	" "	
"	"	"	5:00	60° 58, 63	6° 45, 05	5363	9.2	182.7	" "	" "	" "	" "	" "	" "	" "	
"	"	"	5:30	61° 02, 21	6° 44, 27	5365	8.0	176.4	" "	" "	" "	" "	" "	" "	" "	
"	"	"	6:02	61° 06, 31	6° 44, 01	5360	9.9	190.0	" "	" "	" "	" "	" "	" "	" "	
"	"	"	6:38	61° 13, 50	6° 45, 44	5169	10.7	198.1	4875 -	5250	012/102	0.00	2	"	"	
"	"	"	7:00	61° 15, 90	6° 42, 05	5096	10.4	203.9	" "	" "	" "	" "	" "	" "	" "	
"	"	"	7:34	61° 21, 24	6° 27, 49	5286	10.9	204.5	" "	" "	" "	" "	" "	" "	" "	

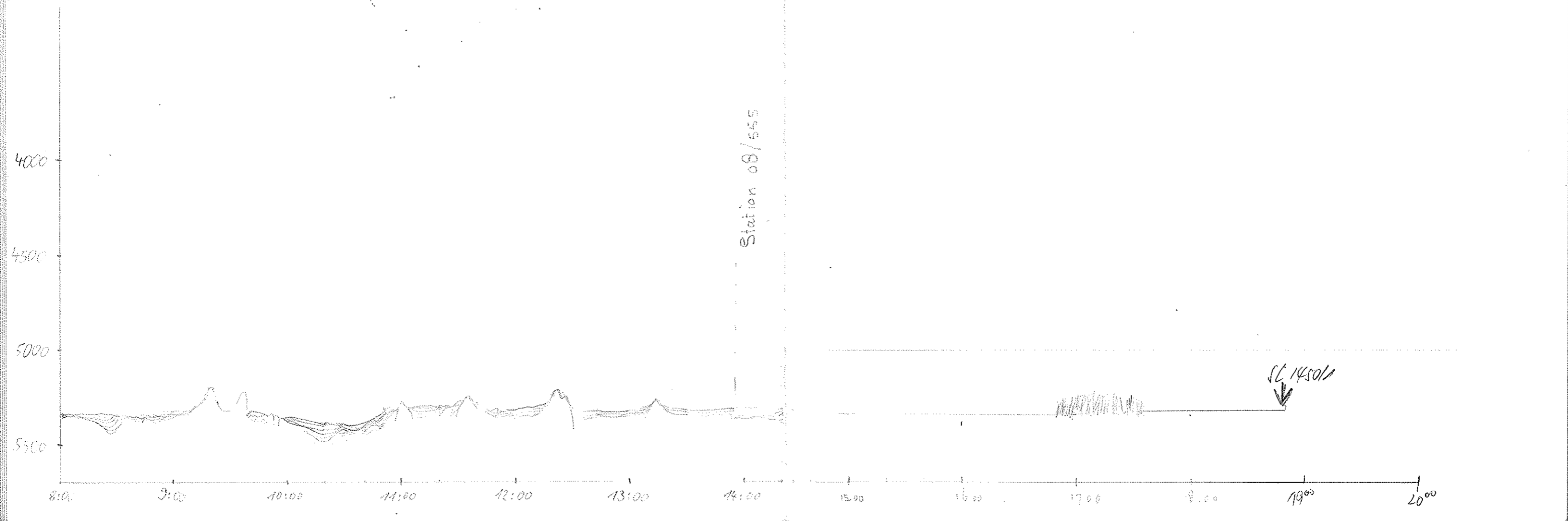


Profile	Roll	Date	Time	Lat	Lon	Depth	Speed	Course	Depth-Range	Trigger	Delay	Sweep	Scan	Pulse	Remarks
2	7	7.4.86	8:02	61°26.00	6°24.31	5365	10.8	194.3	5055 - 5430	0100-12101002	0.25	5	500	4	
			8:33	61°30.87	6°25.35	5347	9.7	183.0	"	1	"	"	"	"	
			9:02	61°35.36	6°24.90	5344	8.8	199.6	"	"	"	"	"	"	
			9:30	61°39.55	6°20.61	5343	9.6	185.5	"	"	"	"	"	"	
			10:05	61°45.26	6°16.18	5369	10.0	195.1	"	"	"	"	"	"	
			10:30	61°48.12	6°07.95	5367	9.5	193.9	"	"	"	"	"	"	
			11:04	61°53.66	6°05.87	5336	9.6	212.0	"	"	"	"	"	"	
			11:32	61°57.85	6°02.68	5320	10.5	197.5	"	"	"	"	"	"	
			12:00	62°02.63	6°00.80	5338	10.4	197.2	"	"	"	"	"	"	
			12:31	62°07.43	5°57.84	5325	10.4	197.1	"	"	"	"	"	"	
			13:00	62°12.95	5°54.86	5314	10.4	195.0	"	"	"	"	"	"	
			13:30	62°18.01	5°54.64	5322	9.6	218.8	"	"	"	"	"	"	
Station			13:54	62°20.07	5°49.77	5330	0.5	60.6	"	"	"	"	"	"	14.01 CTD in Wasser.
08/555			14:30	62°19.90	5°50.21	5341	0.3	52.8	"	"	"	"	"	"	
			15:00	62°10.59	5°49.14	5358	0.2	264.4	"	"	"	"	"	"	
			15:30	62°10.65	5°48.37	5364	0.4	283.4	"	"	"	"	"	"	
			16:00	62°10.80	5°49.27	5359	0.2	215.5	"	"	"	"	"	"	
			17:00	62°14.91	5°42.71	5336	0.1	76.5	"	"	"	"	"	"	
08/555 8			18:58	62°20.65	5°42.71	5332	0.4	181.9	"	"	"	"	"	"	
			19:46	62°20.67	5°48.41	5332	0.6	242	"	"	"	"	"	"	
			20:00	62°20.70	5°49.32	5335	0.5	241	"	"	"	"	"	"	
			20:24	62°20.51	5°47.88	5335	1.7	200.3	"	"	"	"	"	"	

14.01 CTD in Wasser.

G. Neffner

SL am Grund 1450m  
 Rolle 35 kg gewichtet  
 blockwechsel Seilzug am Grunde  
 SIMEI PROFILE — HAMILTON  
 Smith ↓



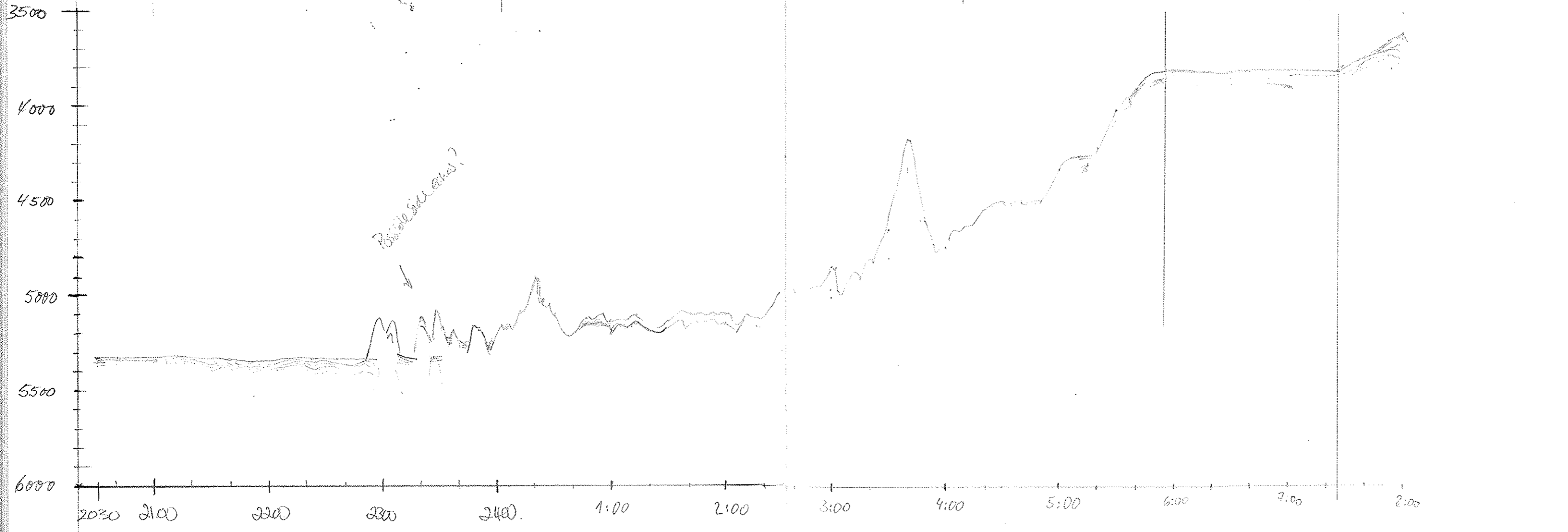
Profile	Roll	Date	Time	Lat.	Lon	Depth	Speed	Course	Depth Range	Trigger	Delay	Sweep	Scan	Pulse	Remarks	
2	8	07-04-86	20:30	62° 21.20	05° 47.77	5333	5.7	192.7	5035 - 5430 m.	01002-101002	0.25 sec	5	500 msec	4	routine reading on "new" profile.	
			21:00	62° 26.06	05° 45.88	5330	10.6	192.7	5035 - 5430	"	"	"	"	"		
			21:30	62° 31.71	05° 44.19	5340	10.9	192.5	"	"	"	"	"	"		"
			22:00	62° 36.24	05° 41.92	5343	11.0	193.1	"	"	"	"	"	"		"
			22:30	62° 41.20	05° 39.11	5337	11.1	192.7	5035	5430 m.	"	"	"	"		"
			23:00	62° 46.39	05° 36.66	5267	11.0	192.7	"	"	"	"	"	"		"
			23:30	62° 51.69	05° 34.49	5258	11.0	192.8	"	"	"	"	"	"		"
			0814 86 2400/0000	62° 56.77	05° 31.49	5299	11.2	192.0	5035 - 5430 m	"	"	"	"	"		"
			0:30	63° 02.50	5° 28.42	5153	11.5	195.0	"	"	"	"	"	"		"
			1:00	63° 07.71	5° 25.64	5153	11.3	192.7	"	"	"	"	"	"		"
			1:30	63° 13.30	5° 23.31	5177	11.2	188.3	"	"	"	"	"	"		"
			2:02	63° 19.35	5° 19.90	5127	11.6	189.9	"	"	"	"	"	"		"
			2:30	63° 24.65	5° 17.97	5023	11.6	192.7	"	"	"	"	"	"		"
			2:40	63° 26.72	5° 17.15	5005	11.7	189.8	4875 - 5250	0121102	0.00	3	"	"		"
			3:00	63° 30.50	5° 15.47	4951	11.9	197.7	"	"	"	"	"	"		"
			3:12	63° 32.81	5° 13.88	4882	11.6	195.3	4680 - 5055	"	0.25	"	"	"		"
			3:30	63° 36.02	5° 11.02	4832	11.5	187.8	"	"	"	"	"	"		"
			4:00	63° 41.62	5° 09.19	4732	11.7	188.3	"	"	"	"	"	"		"
			4:03	63° 42.30	5° 08.91	4718	11.5	193.1	4500 - 4875	01000102 / 10010002	0.00	17	"	"		"
			4:30	S 63° 47.30'	5° 6.52'	4545	11.6	190.6	4305 - 4680	"	.25	"	"	"		"
			4:59	63° 52.29'	5° 3.96'	4348	8.5	195.8	4125 - 4500	0121102	.00	2	"	"		"
			5:25	63° 56.26'	5° 4.45'	4114	9.6	188.8	3930 - 4305	"	.25	"	"	"		"
			5:34	63° 57.93'	5° 3.77'	3964	9.7	218.8	3750 - 4125	010211002	.00	3	"	"		"
5:55	63° 59.95'	5° 0.45'	3870	-	318.8	"	"	"	"	"	"	"				
7:02	63° 59.50'	5° 0.99'	3866	-	-	"	"	"	"	"	"	"				
7:30	63° 59.93'	5° 1.82'	3819	7.5	162.5	"	"	"	"	"	"	"				
8:00	64° 03.27'	5° 06.86'	3616	13.6	164.7	3375 - 3750	0121102	.00	2	"	"	"				

*Banta*

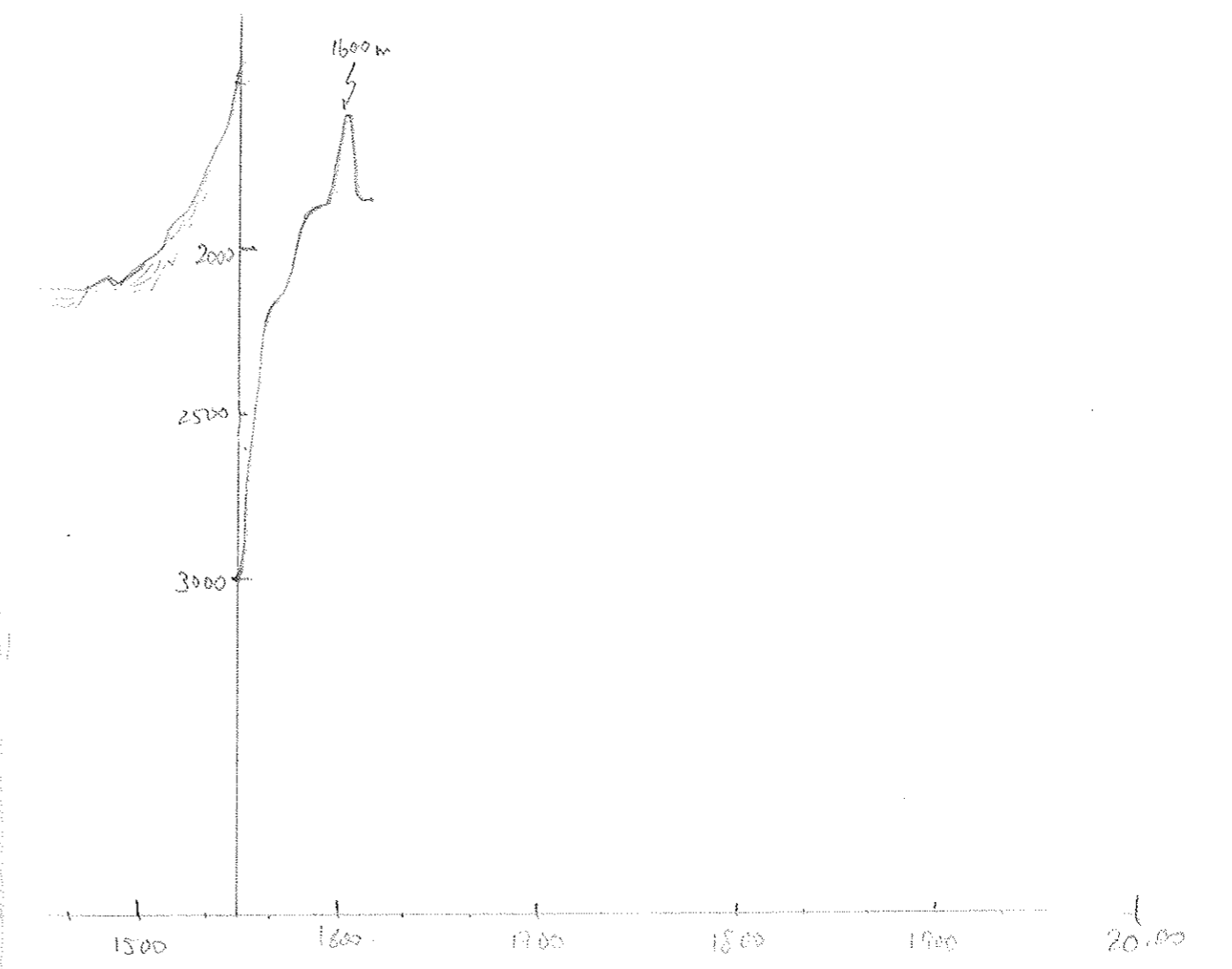
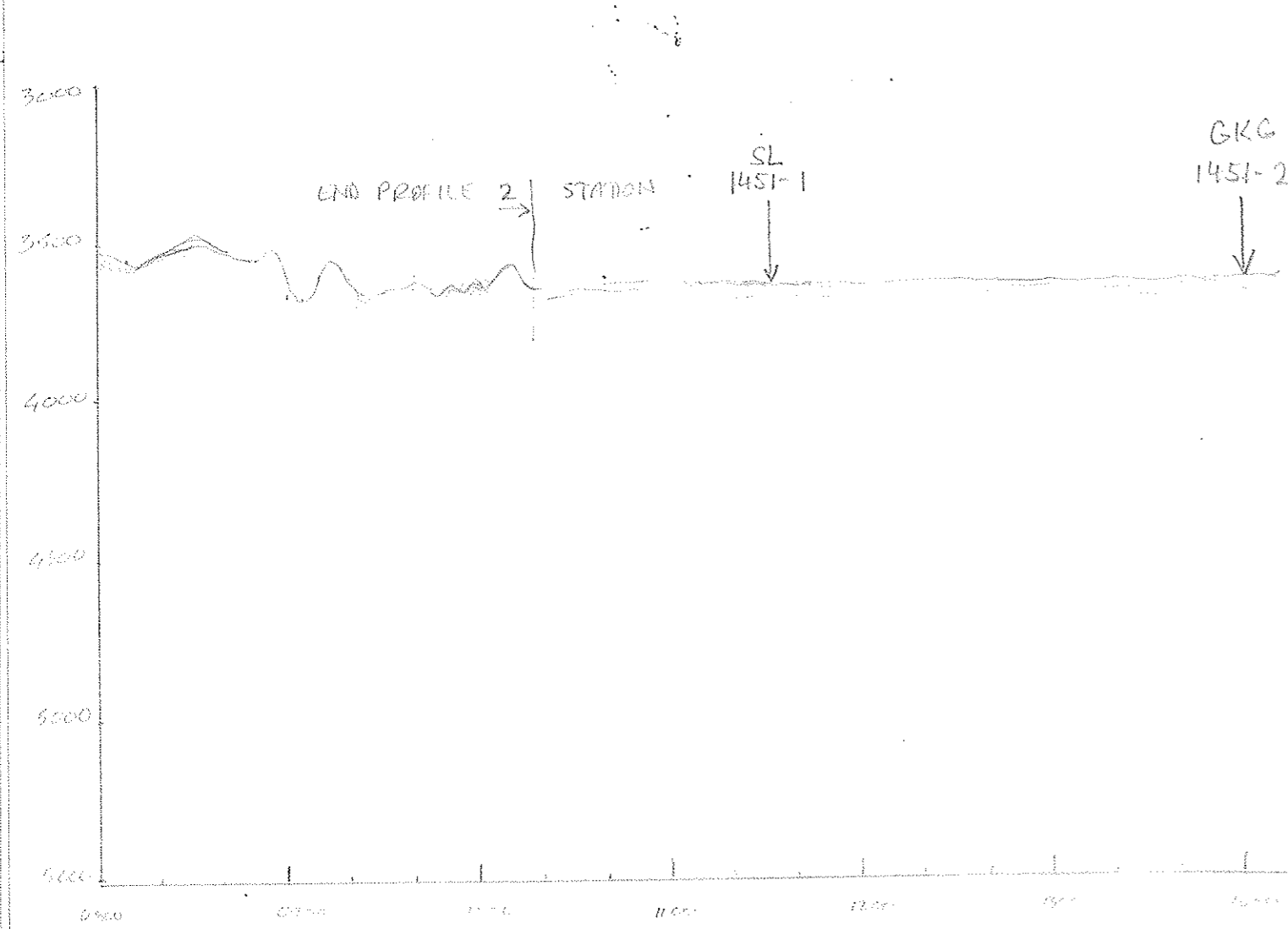
20:00

Profile  
CTD data

Change Scan to 1000000



PROFIL	ROLL	DATE	TIME	LAT.	LONG.	DEPTH	SPEED	COUNT	DEPTH	UNITS	TRIGGER	DELAY	SWEPT	SCAN	PULSE	REMARKS
2	"	8.4.86	09.00	64° 33.27	05° 26.36	3620	12.5	162	3750	"	012-102	.00	2	"	"	
"	"	"	10.00	64° 33.27	05° 26.36	3624	11.0	159.3	"	"	"	"	"	"	"	
"	"	8.4.86	10.15	64° 33.02	05° 26.36	3629	6.7	162.0	"	"	"	"	"	"	"	Ende Profil
STATION	"	"	10.45	64° 33.31	05° 27.40	3627	0.03	279	"	"	"	"	"	"	"	STATION
"	"	"	10.53	64° 33.37	05° 27.22	3634	0.3	250	"	"	"	"	"	"	"	"
"	"	"	10.58	64° 33.37	05° 27.16	3622	0.4	351	"	"	"	"	"	"	"	"
"	"	"	11.06	64° 33.36	05° 27.10	3620	0.4	378	"	"	"	"	"	"	"	"
"	"	"	11.11	64° 33.27	05° 27.11	3625	0.3	402	"	"	"	"	"	"	"	"
"	"	"	11.15	64° 33.26	05° 27.12	3627	0.1	10.5	"	"	"	"	"	"	"	"
"	"	"	11.20	64° 33.17	05° 27.07	3621	0.3	27.0	"	"	"	"	"	"	"	"
"	"	"	11.25	64° 33.15	05° 27.00	3628	0.4	21.9	"	"	"	"	"	"	"	"
"	"	"	11.30	64° 33.12	05° 27.22	3631	0.4	27.4	"	"	"	"	"	"	"	"
SL UNTEN	"	"	11.52	64° 33.11	05° 27.06	3625	0.1	065.2	"	"	"	"	"	"	"	"
"	"	"	12.03	64° 33.45	05° 28.97	3625	0.9	065.2	"	"	"	"	"	"	"	"
"	"	"	12.35	64° 33.24	05° 28.59	3629	0.3	114.0	"	"	"	"	"	"	"	"
"	"	"	13.00	64° 33.00	05° 28.51	3620	0.7	322.4	"	"	"	"	"	"	"	"
GKG UNTEN	"	"	13.40	64° 33.50	05° 27.89	3624	0.5	217.9	"	"	"	"	"	"	"	"
"	"	"	14.00	64° 33.57	05° 27.66	3624	0.3	253.2	"	"	"	"	"	"	"	"
"	"	"	14.30	64° 33.67	05° 27.20	3625	0.6	202.9	"	"	"	"	"	"	"	"
START NEW PROFILE	"	"	14.47	64° 33.89	05° 26.55	3595	6.1	186.6	"	"	"	"	"	"	"	"
3	"	"	15.00	64° 35.76	05° 26.19	3545	10.8	183.5	"	"	"	"	"	"	"	"
"	"	"	15.13	64° 38.25	05° 26.00	3405	10.8	181.3	3180-	3555	"	0.250	"	"	"	"
"	"	"	15.25	64° 40.26	05° 25.81	3233	10.9	183.2	3000-	3375	0012/1002	0.00	3	"	"	change range
"	"	"	15.32	64° 41.50	05° 25.71	2969	11.0	184.3	2625-	3000	012/102	"	2	"	"	"
"	"	"	16.00	64° 46.58	05° 24.85	1677	11.0	183.6	1680-	2055	"	0.25	"	"	"	"



am Boden  
1151-1  
BJW

GKG UNTEN

START NEW PROFILE

change range

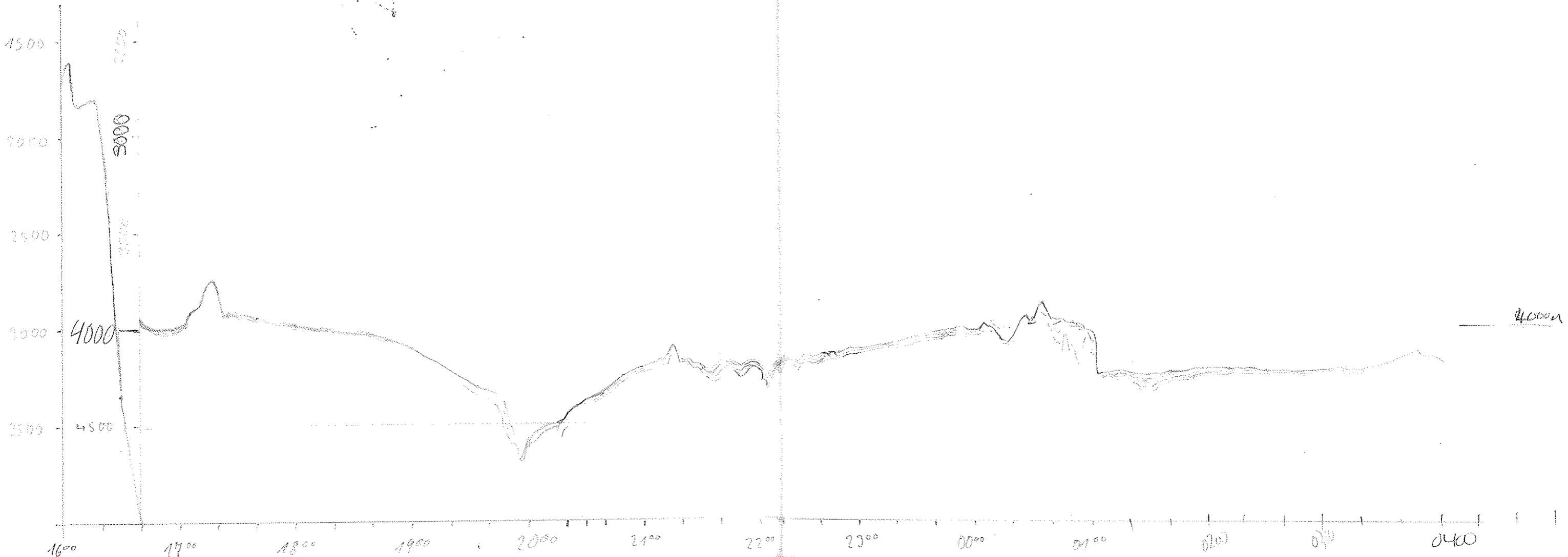
Profile	Roll	Date	Time	S Lat.	E Long.	Depth	Speed	Course	Depth Range	TRagar	Delay	Sweep	Scan	Pulse	Remarks	
3	8	08.04.86	16.17	64°49.72	05°24.36	2440	11.0	184.1	2055-2430	0402/102 10.002	250	5	500	4	change range	
		08.04.86	16.30	64°57.15	05°24.32	3349	10.9	182.3	3375-3750	042/102	000	2	500	4	"	
		08.04.86	16.41	64°54.12	05°24.08	3947	11.0	183.4	3750-4305	042/102	250	2	500	4	"	
		08.04.86	17.01	64°57.68	05°25.66	3983	11.0	181.8	3750-4125	0402/102	000	3	500	4	"	
		"	17.22	65°01.29	05°24.20	3738	10.9	180.7	3750-4125	0402/102	250	3	500	4	"	
		"	17.31	65°02.92	05°23.99	3956	10.8	185.2	3750-4125	"	000	3	500	4	"	
		"	18.21	65°11.96	05°21.76	4014	10.9	186.9	"	"	"	"	"	"	"	"
		"	18.50	65°17.06	05°20.18	4049	10.8	186.6	"	"	"	"	"	"	"	"
		"	18.59	65°18.63	05°19.83	4108	10.9	186.0	3930-4305	042/102	250	2	500	4	change range	
		"	19.34	65°24.70	05°17.97	4302	10.9	184.3	4175-4500	"	000	"	"	"	"	"
		08.04.86	19.57	65°29.01	5°17.82	4585	10.7	185.1	4305-4680	0402/102	0.25	7	"	"	"	"
		"	20.40	65°35.87	5°16.40	4339	9.1	186.4	4125-4500	012-102	0.00	2	"	"	"	"
		"	21.14	65°41.20	5°15.14	4086	9.3	187.7	3930-4305	"	0.25	2	"	"	"	"
		"	22:00	65°48.70	5°13.66	4189	9.3	182.3	"	"	"	"	"	"	"	"
		"	23:00	65°57.40	5°12.89	4122	9.7	190.1	"	"	"	"	"	"	"	"
09.04.86	00:00	66°06.24	5°10.45	4040	9.0	183.7	"	"	"	"	"	"	"	"		
"	00:22	66°09.96	5°09.74	3962	9.1	190.1	6163780	4125	0102-1002	000	"	"	"	Change range		
"	00:30	66°10.72	5°09.46	3967	9.2	181.6	3750	4125	"	"	"	"	"	"		
"	01:00	66°15.25	5°08.63	4057	9.0	186.8	3750	4285	"	"	"	"	"	"		
"	01:05	66°15.76	5°08.54	4267	9.1	186.2	3930-4305	4285	012-102	0.25	"	"	"	Change range		
"	01:30	66°19.66	5°05.61	4256	9.0	189.5	3930	4305	012-102	0.75	"	"	"	"		
"	02:00	66°23.06	5°05.09	4235	9.0	182.5	3930	4305	012-102	0.25	"	"	"	"		
"	02:30	66°28.45	5°03.90	4242	8.9	177.7	3930	4305	012-102	0.25	"	"	"	"		
"	03:00	66°32.14	5°03.58	4257	8.9	177.9	3930	4305	"	"	"	"	"	"		
"	03:30	66°37.27	5°03.22	4194	10.0	171.4	3930-4305	4305	012-102	0.25	"	"	"	"		
"	04:00	66°42.33	5°03.40	4198	10.1	182.1	"	"	"	"	"	"	"	"		

L.J.

G. Fisher

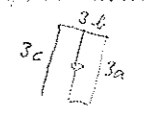
C. Hamilton

Hamilton





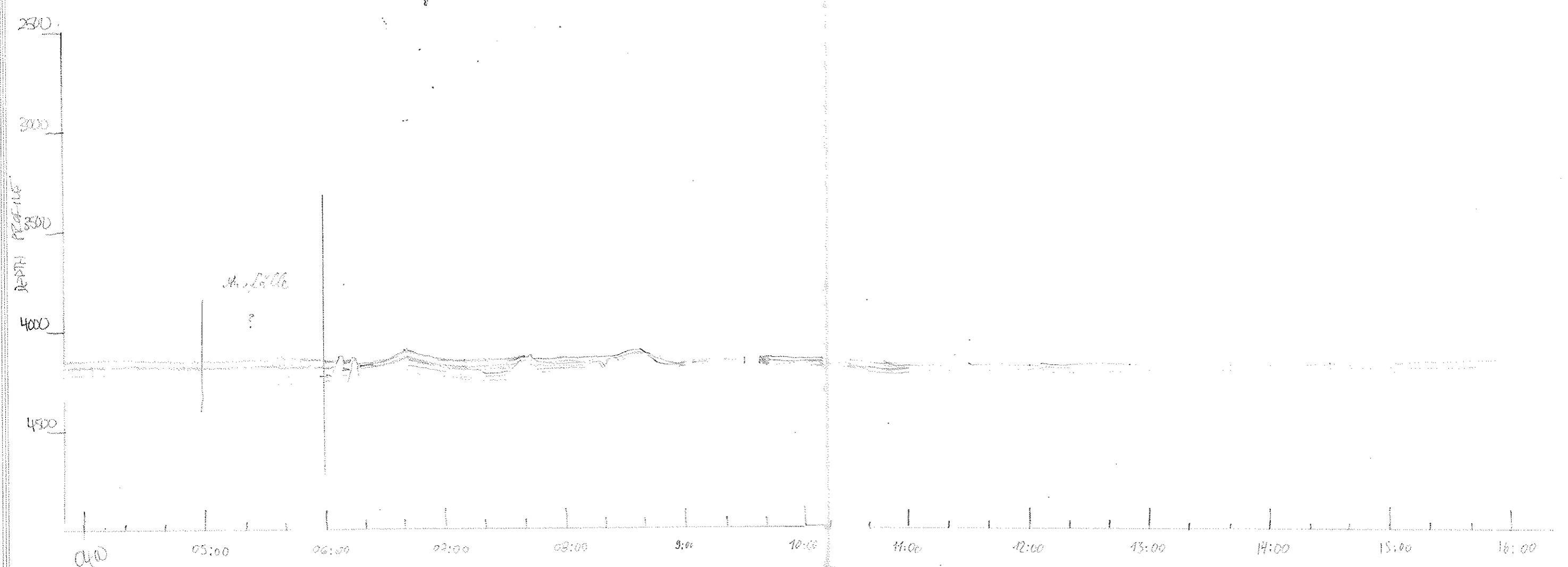
PROFILE	RAL	DATE	TIME	S LATITUDE	E LONGITUDE	DEPTH	SPEED	COURSE	DEPTH	RANGE	TRIGGER	DELAY	SWEEP	SCAN	PULSE
3	8	09.04.86	4:30	66°48.43'	5° 2.19'	4204	10.6	185.4	3930	4305	0.12/102	.25	Z	500	4
"	"	"	5:00	66°53.23'	5° 1.31'	4203	10.4	183.6	"	"	"	"	"	"	"
"	"	"	5:30	66° 58.28'	5° 0.26'	4192	9.5	182.3	"	"	"	"	"	"	"
"	"	"	5:58	67° 2.23'	4° 56.61'	4177	10.5	184.3	"	"	"	"	"	"	"
3a	8	9.4.86	6:10	67° 3.27'	4° 59.97'	4167	9.0	179.0	"	"	"	"	"	"	"
"	"	"	6:30	67° 1.37'	5° 3.91'	4168	8.2	30.9	"	"	"	"	"	"	"
3b	"	"	6:48	66° 58.88'	5° 7.68'	4170	8.4	19.9	"	"	"	"	"	"	"
"	"	"	7:01	66° 57.86'	5° 3.65'	4189	9.2	299.0	"	"	"	"	"	"	"
3c	"	"	7:20	66° 56.97'	4° 57.62'	4192	8.1	203.6	"	"	"	"	"	"	"
"	"	"	8:00	67° 00.58'	4° 55.04'	4190	9.2	78.6	"	"	"	"	"	"	"
"	"	"	8:30	67° 03.01'	5° 00.19'	4151	9.3	181.9	"	"	"	"	"	"	"
"	"	"	9:00	67° 01.94'	4° 57.15'	4180	0.5	467.4	"	"	"	"	"	"	"
"	"	"	9:40	67° 01.12'	4° 56.55'	4185	1.1	49.2	"	"	"	"	"	"	"
"	"	"	10:00	67° 01.00'	4° 57.90'	4183	0.8	30.7	"	"	"	"	"	"	"
"	"	"	10:30	67° 00.69'	4° 58.84'	4181	1.2	63.0	"	"	"	"	"	"	"
"	"	"	11:00	66° 59.91'	4° 59.46'	4185	0.5	317.3	"	"	"	"	"	"	"
"	"	"	11:30	66° 59.26'	4° 59.36'	4182	0.5	8.2	"	"	"	"	"	"	"
"	"	"	11:56	66 58.92	5° 01.02	4188	1.9	228	"	"	"	"	"	"	"
"	"	"	12:30	66 59.34	5° 0.64	4192	2.1	336	"	"	"	"	"	"	"
"	"	"	12:48	66 57.30	4° 58.81	4195	4.3	348	"	"	"	"	"	"	"
"	"	"	13:38	66 57.00	4° 58.70	4185	-	317.4	"	"	"	"	"	"	"
"	"	"	13:59	66 56.86	4° 56.43	4183	-	314.0	"	"	"	"	"	"	"
"	"	"	14:28	66 56.32	4° 56.56	4196	-	353.8	"	"	"	"	"	"	"
"	"	"	14:56	66 56.51	4° 56.33	4195	-	352.7	"	"	"	"	"	"	"
3	8	09.04.86	15:20	66 56.93	4° 57.66	4195	-	46.0	"	"	"	"	"	"	"
"	g	"	15:57	66 57.74	4° 56.55	4200	-	290	"	"	"	"	"	"	"
"	"	"	16:22	66 57.08	4 56.08	4196	0.6	276.5	"	"	"	"	"	"	"

~ 5:05 3,5 kHz Anfälle bis gegen 6:00  
 Profile die  
 Richtung um 180 Grad gedreht  


ca. 10 min Transceiver ausgefallen  
 Ursache unklar L.J.

auf GKG-Position 1152-1  
 GKG auf Grund

EPC ausgelesen (15-47)

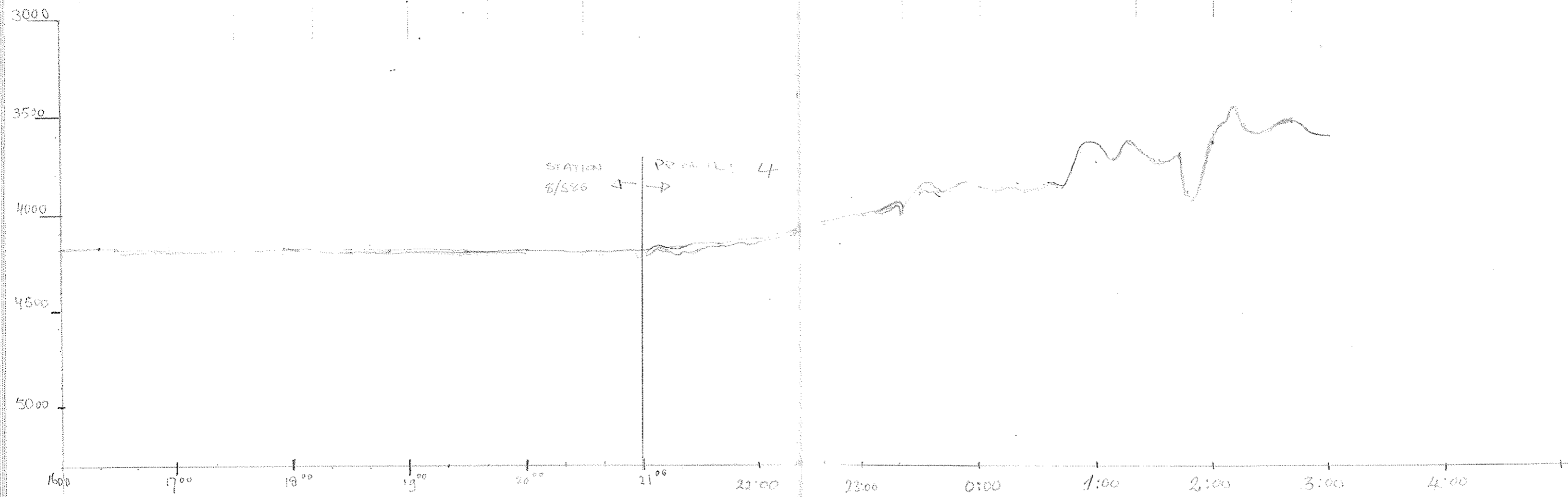


Profile	Roll	Date	Time	Latitude	Longitude	Depth	Speed	Course	Depth-range	Trigger	Delay	Sweep	Scan	Pulse	Remarks
	9	9/4/86	16.55	66°57.33	4°56.65	4196	0.4	234.8	3930	4305	012/102	2.5	2	500	17.15 Gravity core up
			17.25	66°57.59	4°56.88	4195	0.2	210.1	"	"	"	"	"	"	"
			17.55	66°57.89	4°56.66	4187	0.3	262.9	"	"	"	"	"	"	"
			18.30	66°57.96	4°57.21	4194	0.2	266.8	"	"	"	"	"	"	"
			19.00	66°58.07	4°57.25	4194	0.3	181.8	"	"	"	"	"	"	"
			19.30	66°58.07	4°57.99	4189	0.1	70.9	"	"	"	"	"	"	"
			19.55	66°58.15	4°58.08	4190	0.4	154.5	"	"	"	"	"	"	"
	9	9/11/86	20:00	66°58.17	4°58.10	4192	0.2	195.9	"	"	"	"	"	"	"
			20:31	66°57.94	4°58.53	4193	0.2	98.1	"	"	"	"	"	"	"
			20:50	66°57.71	4°57.78	4192	0.2	354.4	"	"	"	"	"	"	"
4			21:02	66°57.51	4°57.28	4195	5.2	294.6	"	"	"	"	"	"	START OF PROFILE 4.
"			21:20	66°56.24	4°51.03	4181	10.2	300.4	"	"	"	"	"	"	"
"			21:40	66°56.02	4°46.87	4162	8.0	301.3	"	"	"	"	"	"	"
"			22:00	66°53.61	4°40.94	4137	8.0	298.3	"	"	"	"	"	"	"
"			22:20	66°51.21	4°34.91	4106	8.5	297.8	"	"	"	"	"	"	"
"			22:40	66°51.15	4°28.00	4059	9.0	295.7	"	"	"	"	"	"	"
"			23:00	66°49.62	4°21.44	4015	9.0	298.0	"	"	"	"	"	"	"
"			23:20	66°46.31	4°14.69	3936	9.0	297.7	3750	412.5	012/102	0.0	3	"	"
"			23:40	66°46.85	4°08.07	3876	9.3	293.6	"	"	"	"	3	"	"
"			23:57	66°45.83	4°02.14	3856	9.5	294.3	"	"	"	"	3	"	"
"	9	10.11.86	00.59	66°42.93	3°40.32	3669	9.3	294.4	3775	3750	012/102	0.0	2	500	"
"			01.53	66°38.63	3°20.68	3654	9.4	295.9	3555	3930	012/102	250	3	"	"
"			02.09	66°38.42	3°17.07	3565	9.5	296.9	3375	3750	012/102	0.0	2	"	"
"			02.55	66°34.94	2°58.87	3678	9.4	297.6	"	"	"	"	"	"	"
"			03.00												"

*emiffen*  
*S. E. Green*

START OF PROFILE 4.

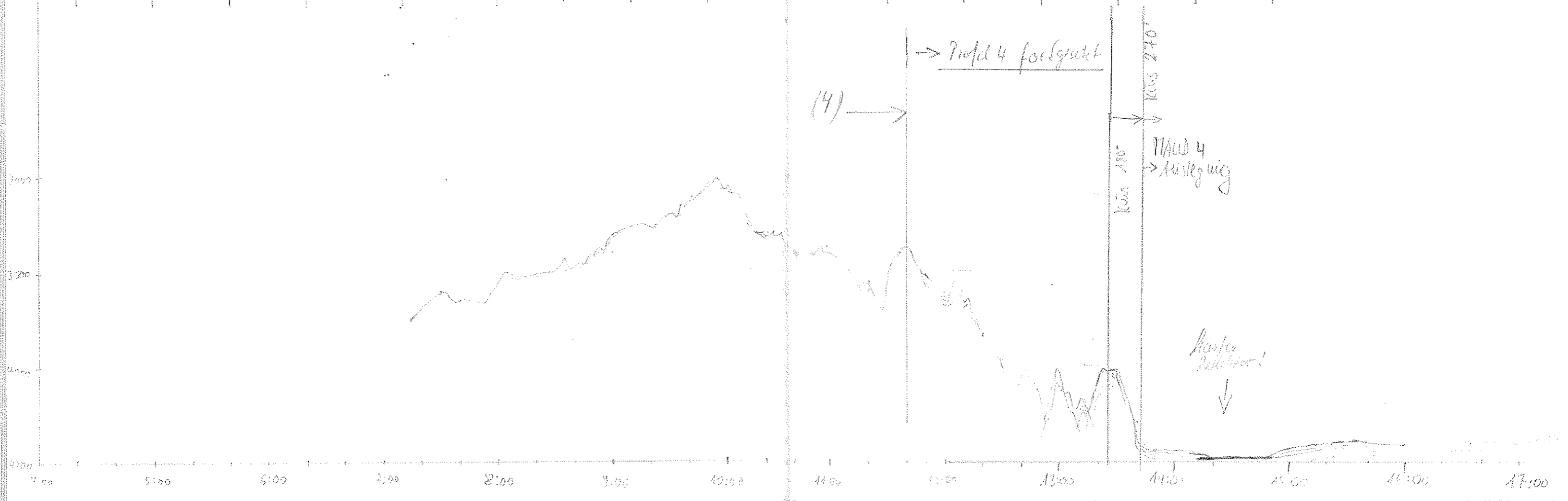
*L.S.*



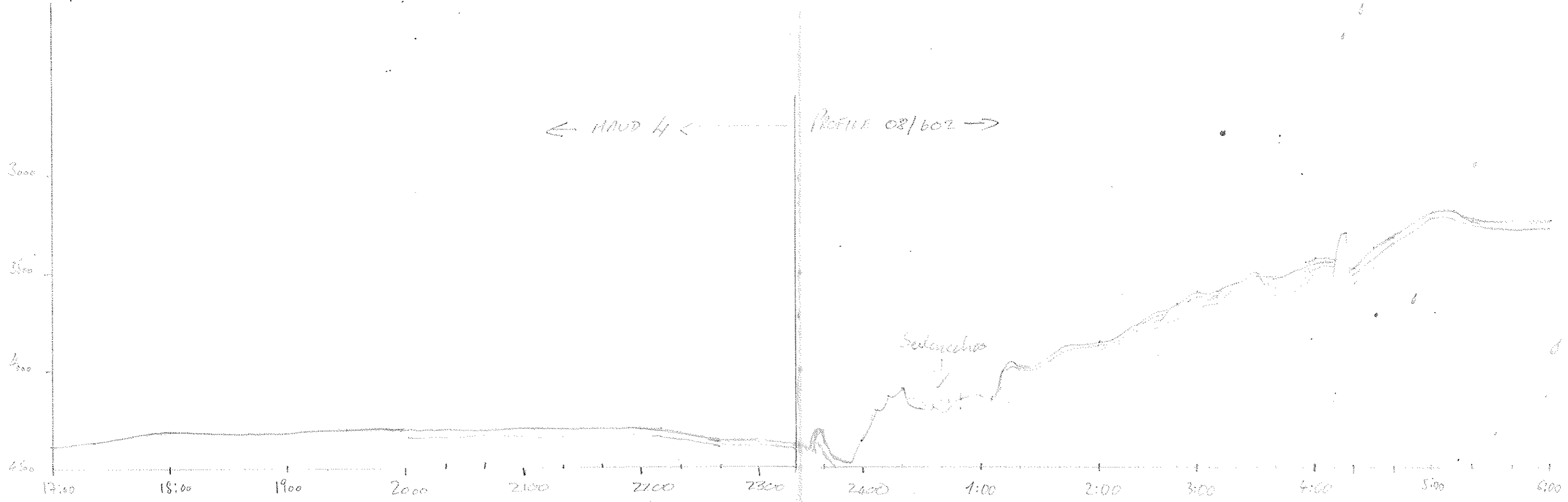
Prof. l	Roll	Date	Time	Lat	Lon	Depth	Speed	Course	Depth	Range	Flags	Delay	Sweep	Scan	Pulse	Remarks
4	9	10/4/86	4:03	S 66° 30.02'	E 2° 35.8'	3820	9.2	295.2	3250 -	4125	0102/1002	.00	3	500	4	
			5:03	S 66° 26.14'	E 2° 16.14'	3895	9.7	295.2			"	"	"	"	"	
			5:47	S 66° 23.40'	E 2° 0.45'	3923	9.4	294.6			"	"	"	"	"	
			6:27	S 66° 20.65'	E 1° 49.77'	3940	9.4	293.2			"	"	"	"	"	
			7:25	S 65° 19.01'	E 1° 29.49'	3752	9.4	297.4	3555	3930	"	.25	"	"	"	
			8:00	S 66° 14.84'	E 1° 47.56'	3667	8.8	294.8			"	"	"	"	"	
			8:07	S 66° 14.33'	E 1° 45.40'	3522	8.2	295.1	3345 -	4150	0121/102	0.00	"	"	"	
			8:30	S 66° 12.30'	E 1° 46.73'	3473	8.4	296.4			"	"	"	"	"	
			9:00	S 66° 10.27'	E 1° 56.15'	3325	9.7	288.6	3480 -	4555	"	0.25	"	"	"	
			9:23	S 66° 09.13'	E 1° 47.67'	3236	9.5	289.6	3000 -	4375	0042/1002	0.00	"	"	"	
			10:00	S 66° 06.85'	E 1° 34.40'	3124	8.4	297.0			"	"	"	"	"	
			10:30	S 66° 04.84'	E 1° 23.84'	3318	10.2	296.2			"	"	"	"	"	
			10:34	S 66° 03.98'	E 1° 22.35'	3378	9.5	296.5	3480 -	4555	0121/102	0.25	"	"	"	
			11:00	S 66° 02.47'	E 1° 12.72'	3388	9.9	289.4			"	"	"	"	"	
			11:20	S 66° 01.08'	E 1° 05.76'	3600	9.2	294.6	3375 -	4150	0121/102	0.50	"	"	"	
			11:40	S 65° 59.98'	E 0° 0.20'	3401	6.6	286.9			"	"	"	"	"	
4	9	10/4/86	11:48	S 65° 59.92'	E 0° 13.25'	3778	9.6	270.9	3555	4750	0102/1002	0.25	3	500	4	Positionierte Vortraverse Nord
			12:31	S 65° 59.96'	E 0° 13.20'	3774	9.4	270.1	3550	4705	0121/102	0.25	2	"	"	Grange range (Prof. 4 fortgesetzt)
			13:00	S 65° 59.94'	E 0° 29.44'	4111	9.8	269.9			"	"	"	"	"	
			13:25	S 65° 59.90'	E 0° 40.16'	4102	9.7	270.6			"	"	"	"	"	
			13:44	S 66° 02.06'	E 0° 44.22'	4123	6.7	186.2	4125	4150	"	0.00	"	"	"	Überschneidung auf 180°
			13:45	S 66° 02.89'	E 0° 44.46'	4130	0.8	284.9			"	"	"	"	"	Grange range, Kursänderung auf 270°
			14:30	S 66° 02.80'	E 0° 32.6'	4172	1.4	274.5			"	"	"	"	"	Start MAUD 4 - Auslegung
			15:05	S 66° 04.53'	E 0° 46.47'	4155	1.3	260.1			"	"	"	"	"	
			15:30	S 66° 03.77'	E 0° 47.77'	4416	2.1	259.0			"	"	"	"	"	
			16:00	S 66° 03.38'	E 0° 46.91'	4402	0.4	249.7			"	"	"	"	"	
			16:36	S 66° 03.37'	E 0° 49.10'	4379	0.4	205.3			"	"	"	"	"	
			16:59	S 66° 02.07'	E 0° 51.66'	4395	3.0	31.4			"	"	"	"	"	
			17:40	S 66° 03.39'	E 0° 50.76'	4324	-	-			"	"	"	"	"	
			18:01	S 66° 04.14'	E 0° 49.24'	4320	0.5	32.7			"	"	"	"	"	kein Do-Log

Positionierte Vortraverse Nord  
Grange range (Prof. 4 fortgesetzt)  
Überschneidung auf 180°  
Grange range, Kursänderung auf 270°  
Start MAUD 4 - Auslegung

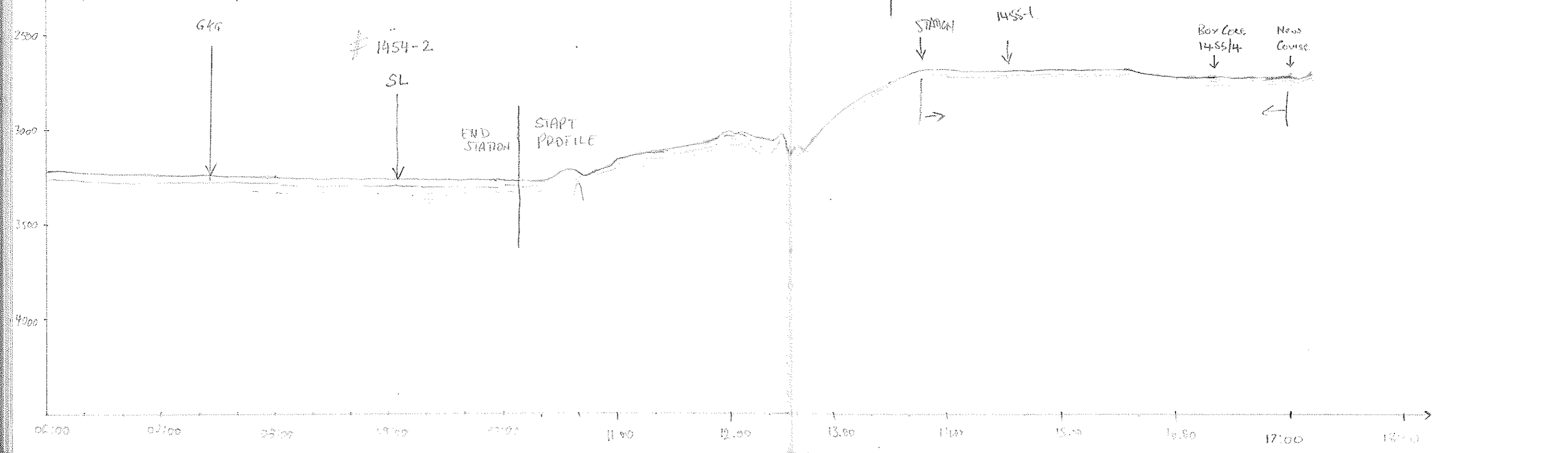
kein Do-Log



Profile	Roll	Date	Time	Lat	Long	Depth	Speed	Course	Depth-Range	Trigger	Delay	Sweep	Scan	Pulse	Remarks		
9		10.4.86	18:18	66° 04.02' N	0° 49.06' W	4315	0.5	30.6	4125-4500	012/102	0	2	500	4	GKG 1453-1		
			18:37	66° 03.90'	0° 48.87'	4321	-	-	"	"	"	"	"	"	"		
			19:07	66° 04.00'	0° 49.12'	4331	0.2	230	1	"	"	"	"	"	"		
			19:24	66° 04.14'	0° 49.47'	4326	0.9	216	"	"	"	"	"	"	"		
			19:54	66° 05.34'	0° 51.64'	4293	0.7	245	-1	"	"	"	"	"	"		
			20:00	66° 05.16'	0° 51.10' W	4295	0.2	259	"	"	"	"	"	"	"	"	Alvan/eco De...
			20:55	66° 04.92'	0° 51.70' W	4299	0.5	219	"	"	"	"	"	"	"	"	
			22:04	66° 05.05'	0° 52.75' W	4363	0.6	216	"	"	"	"	"	"	"	"	
			23:00	66° 05.09'	0° 53.15' W	4367	0.4	224	"	"	"	"	"	"	"	"	
			23:15	66° 05.02'	0° 53.75' W	4415	2.9	311	"	"	"	"	"	"	"	"	START TURNING
08/602	"	"	23:30	66° 04.80'	0° 52.62' W	4374	4.1	055	"	"	"	"	"	"	START PROFILE		
"	"	"	23:57	66° 02.09'	0° 63.23' W	4117/11	8.3	059	"	"	"	"	"	"			
5		11.4.86	0:17	66° 00.33' S	0° 37.34' W	4464	8.7	52.6	3935-4365	012/102	0.25	"	"	"			
			1:03	65° 56.01' S	0° 24.82' W	4085	8.8	55.8	"	"	"	"	"	"	"		
			2:00	65° 51.48' S	0° 09.83' W	3868	8.4	53.5	3750-4125	012/1002	0.50	3	"	"			
			2:48	65° 49.57' S	0° 05.19' W	3787	8.6	53.3	3555-3930	"	0.25	"	"	"	"		
			3:00	65° 46.00' S	0° 05.65' E	3624	8.1	49.9	"	"	"	"	"	"	"		
			3:13	65° 44.73' S	0° 09.30' E	3613	8.7	51.9	3375-3750	012/102	0.00	2	"	"	"		
			4:00	65° 40.38' S	0° 21.22' E	3474	8.4	45.5	"	"	"	"	"	"	"		
			4:30	65° 38.08' S	0° 28.68' E	3425	8.6	48.9	3180-3555	"	.25	"	"	"	"		
			5:02	65° 35.06' S	0° 36.91' E	3234	8.5	50.7	3000-3375	0012/1002	.00	3	"	"	"		
			5:12	65° 34.19' S	0° 40.16' E	3242	8.3	359.3	3000-3375	"	"	"	"	"	"	Knowledge	
			5:48	65° 32.64' S	0° 37.14' E	3245	4.0	325.	3000-3375	"	"	"	"	"	"		
			6:02	65° 32.22' S	0° 36.41' E	3218	-	212.8	"	"	"	"	"	"	"		
			6:16	65° 32.34' S	0° 36.24' E	3258	-	260.8	"	"	"	"	"	"	"		
			7:00	65° 32.45' S	0° 35.89' E	3294	-	267.6	"	"	"	"	"	"	"		



Profile	Roll	Date	Time	Lat	Lon	Depth	Speed	Course	Depth	Range	Tide	Delay	Sweep	Scan	Pulse	Remarks		
9		11.4.86	7:00	56° 32.45'	E 0° 33.00'	3294	-	267.6	3000	3375	0012/1002	.00	3	500	4	-		
			7:42	56° 32.45'	E 0° 35.80'	3260	-	265.5	"	"	"	"	"	"	"	"	1454/1 GAG on deck	
			8:00	56° 33.21'	E 0° 34.69'	3268	-	266.7	"	"	"	"	"	"	"	"	"	-
			08:30	65° 33.43	0° 34.00	3281	0.4	265.8	"	"	"	"	"	"	"	"	"	Launch SL
			09:00	65° 32.65	0° 33.85	3287	0.2	215.1	"	"	"	"	"	"	"	"	"	SL on Board (1454-2)
			09:05	65° 33.68	0° 33.79	3282	0.5	207.8	"	"	"	"	"	"	"	"	"	-
			09:30	65° 34.12	0° 33.19	3294	0.7	213.4	"	"	"	"	"	"	"	"	"	-
			10:00	65° 34.35	0° 32.44	3300	0.5	227.7	"	"	"	"	"	"	"	"	"	NEW PROFILE (START)
			10:09	65° 34.20	0° 32.45	3294	1.6	042.8	"	"	"	"	"	"	"	"	"	-
			10:31	65° 32.89	0° 35.87	3281	7.5	045.1	"	"	"	"	"	"	"	"	"	-
		11:00	65° 30.20	0° 46.76	3241	10.0	085.7	"	"	"	"	"	"	"	"	"	-	
		11:31	65° 29.92	1° 00.37	3152	10.1	085.9	"	"	"	"	"	"	"	"	"	-	
		11:50	65° 29.63	1° 07.93	3084	10.4	081.8	2805	3180	0012/1002	0.25	3	500	4	4	4	Change Range	
		12:00	65° 29.37	1° 11.63	3059	10.2	079.5	"	"	"	"	"	"	"	"	"	"	-
		12:30	65° 28.15	0° 26.74	3077	9.6	077.1	"	"	"	"	"	"	"	"	"	"	-
		13:00	65° 27.81	0° 26.32	2973	9.4	074.9	"	"	"	"	"	"	"	"	"	"	-
		13:16	65° 27.23	01° 39.16	2869	9.5	075.0	2675	3000	012-102	0.00	3	500	4	4	4	Change scale	
		13:30	65° 26.53	01° 44.56	2772	9.2	085.9	"	"	"	"	"	"	"	"	"	"	-
		13:56	65° 26.03	01° 51.03	2777	0.8	085.0	2430	2805	"	0.25	3	500	4	4	4	Change delay	
		14:00	65° 25.94	01° 51.07	2718	0.4	359.0	"	"	"	"	"	"	"	"	"	"	-
14:30	65° 25.82	01° 50.60	2721	0.1	001.0	"	"	"	"	"	"	"	"	"	"	CORNER on bottom		
15:00	65° 25.66	01° 50.49	2722	0.2	000.6	"	"	"	"	"	"	"	"	"	"	-		
15:05	65° 25.63	01° 50.46	2722	0.0	002.7	"	"	"	"	"	"	"	"	"	"	WINCH STOPPED		
15:32	65° 25.79	01° 50.48	2724	0.1	010.5	"	"	"	"	"	"	"	"	"	"	BOX CORER OVER BOARD		
16:00	65° 25.60	01° 50.62	2744	0.3	10.1	"	"	"	"	"	"	"	"	"	"	-		
16:17	65° 25.43	01° 50.50	2732	0.1	300.9	"	"	"	"	"	"	"	"	"	"	Box Core stopped then continue		
16:21	65° 25.41	01° 50.45	2721	0.5	300.6	"	"	"	"	"	"	"	"	"	"	Box Core AT BOTTOM 1445/4		
17:02	65° 25.33	01° 49.89	2731	0.3	299.8	"	"	"	"	"	"	"	"	"	"	Box Core AT SURFACE &		
17:10	65° 25.23	01° 50.01	2730	3.7	89.9	"	"	"	"	"	"	"	"	"	"	Heading for new destination		



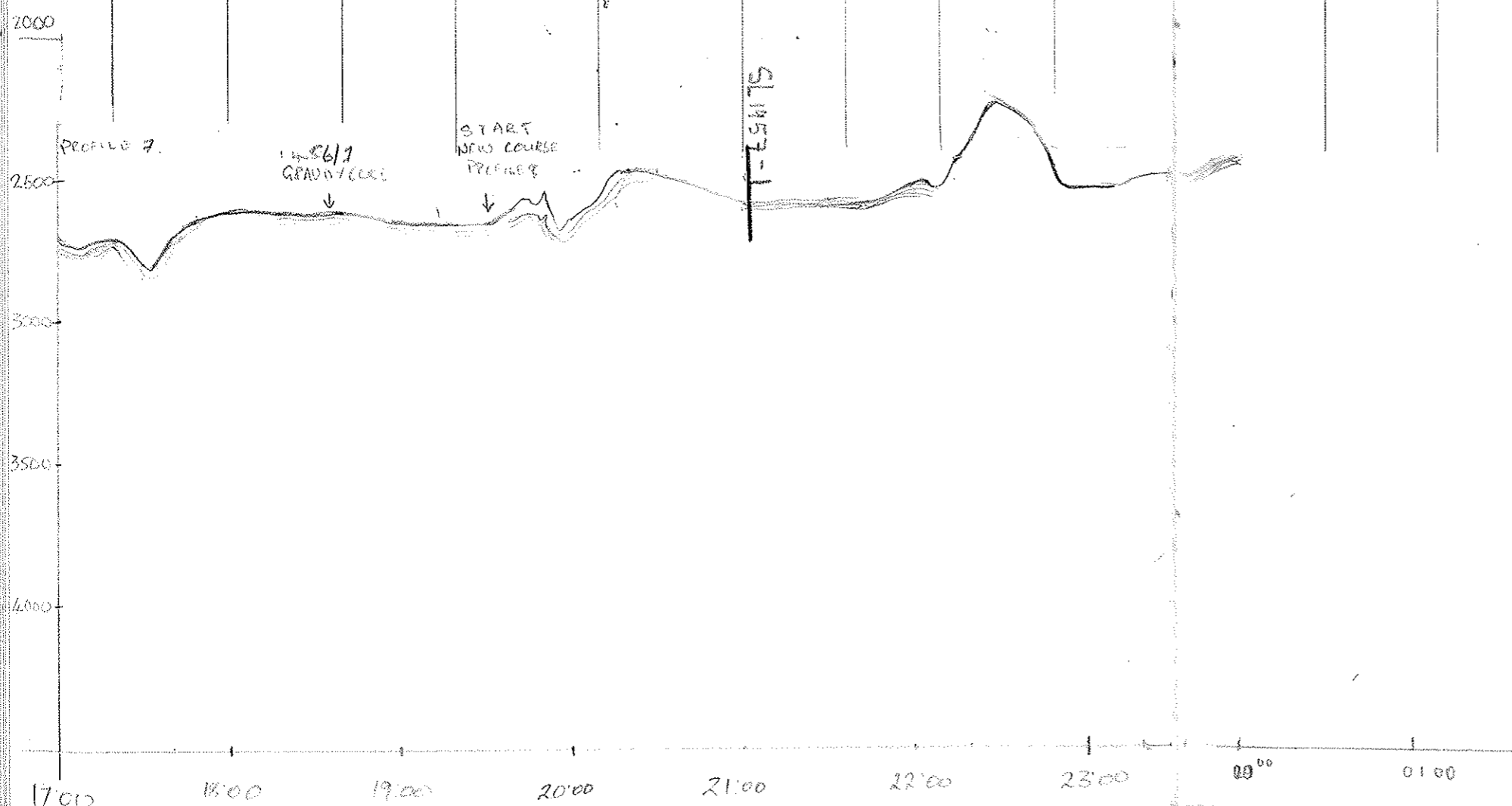


PROFNO	ROLL	DATE	TIME	LAT	LONG	DEPTH	SPEED	COURSE	DEPTH	RANGE	TRIGGER	DELAY	SWEEP	SCAN	PULSE	REMARKS
7	9	11.4.86	17:10	65° 25, 23	01° 50, 01	2730	3.7	89.9	2430	2805	012-102	0.25	3	500	4	Heading on new course
"	"	"	17:30	65° 25, 29	01° 55, 82	2801	7.6	91.6	2625	3000	"	0.00	"	"	"	"
"	"	"	17:50	65° 25, 24	02° 01, 99	2669	8.4	79.2	2430	2805	"	0.25	"	"	"	"
"	"	"	18:00	65° 25, 03	02° 04, 47	2630	1.9	164.2	"	"	"	"	"	"	"	"
"	"	"	18:30	65° 25, 53	02° 03, 21	2624	0.3	300.0	"	"	"	"	"	"	"	"
"	"	"	18:39	65° 25, 57	02° 03, 01	2626	0.2	300.7	"	"	"	"	"	"	"	"
"	"	"	19:00	65° 25, 59	02° 02, 45	2652	0.3	314.6	"	"	"	"	"	"	"	"
"	"	"	19:20	65° 25, 74	02° 02, 28	2650	0.1	315.1	"	"	"	"	"	"	"	"
"	"	"	19:35	65° 25, 68	02° 02, 48	2638	6.5	080.6	"	"	"	"	"	"	"	"
"	"	"	19:50	65° 25, 08	02° 02, 55	2598	10.3	078.2	"	"	"	"	"	"	"	"
"	"	"	20:00	65° 24, 79	02° 12, 44	2614	9.8	78.2	"	2625	010102	10.00	"	"	"	"
"	"	"	20:16	65° 24, 37	02° 18, 87	2488	10.2	79.1	2250	"	101002	"	"	"	"	"
"	"	"	20:29	65° 24, 07	02° 22, 32	2588	2.2	51.1	2430	2805	012-102	0.25	"	"	"	"
"	"	"	20:33	65° 23, 91	02° 27, 96	2589	0.2	275	"	"	"	"	"	"	"	"
"	"	"	21:01	65° 24, 10	02° 22, 43	2599	0.7	233.6	"	"	"	"	"	"	"	"
"	"	"	21:33	65° 24, 30	02° 21, 64	2589	0.7	237.7	"	"	"	"	"	"	"	"
"	"	"	21:43	65° 24, 61	02° 21, 75	2589	0.0	200.0	"	"	"	"	"	"	"	"
"	"	"	22:00	65° 23, 90	02° 21, 59	2609	3.1	357.6	"	"	"	"	"	"	"	"
"	"	"	22:22	65° 22, 80	02° 22, 58	2469	5.2	351.6	2250	2625	010102	0.00	"	"	"	"
"	"	"	22:26	65° 22, 46	02° 22, 57	2244	3.4	354.7	2055	2430	101002	0.25	"	"	"	"
"	"	"	22:42	65° 21, 47	02° 21, 95	2799	4.2	341.4	2250	2625	"	0.00	"	"	"	"
"	"	"	23:01	65° 19, 90	02° 20, 26	2522	4.1	331.8	"	"	"	"	"	"	"	"
"	"	"	23:31	65° 18, 23	02° 19, 35	2495	3.6	323.5	"	"	"	"	"	"	"	"

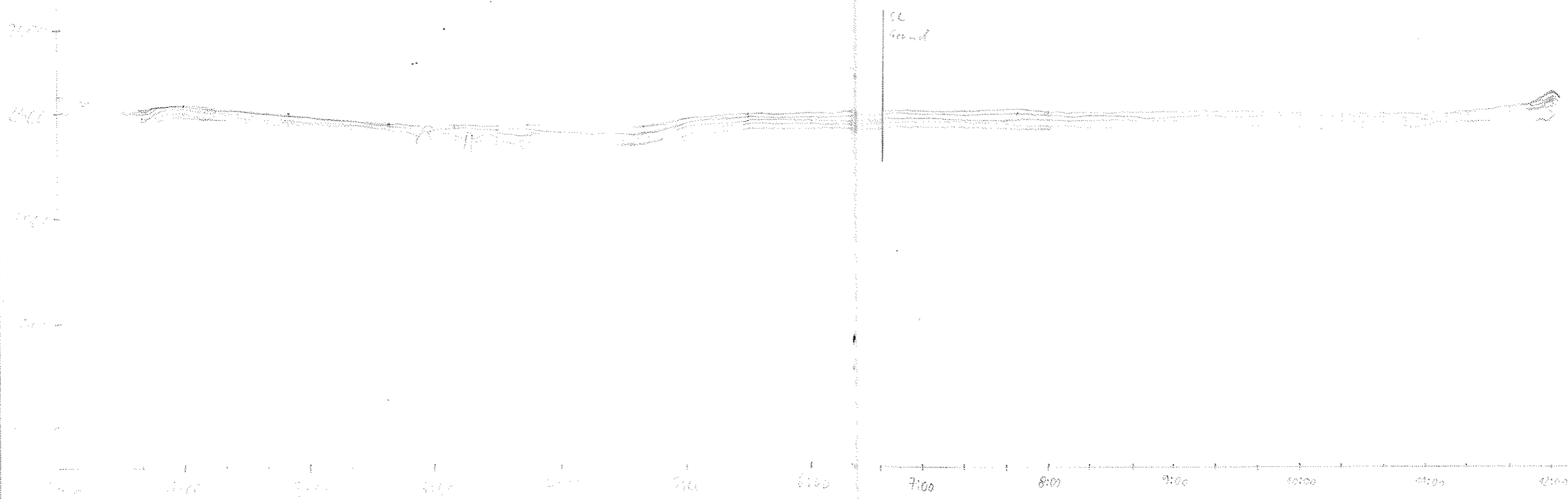
SLOWING TO NEXT STATION.  
 (18.09 GRAVITY CORE OVERSIDE)  
 GRAVITY CORE AT BOTTOM  
 1456/2.  
 Core at surface 19:23  
 Start of new course = 80°

Ende profil  
 Gravity core outside  
 21.01 grav. core at bottom 1457-1  
 21.43. Sl. at surface  
 new profile starts at 22.00 h

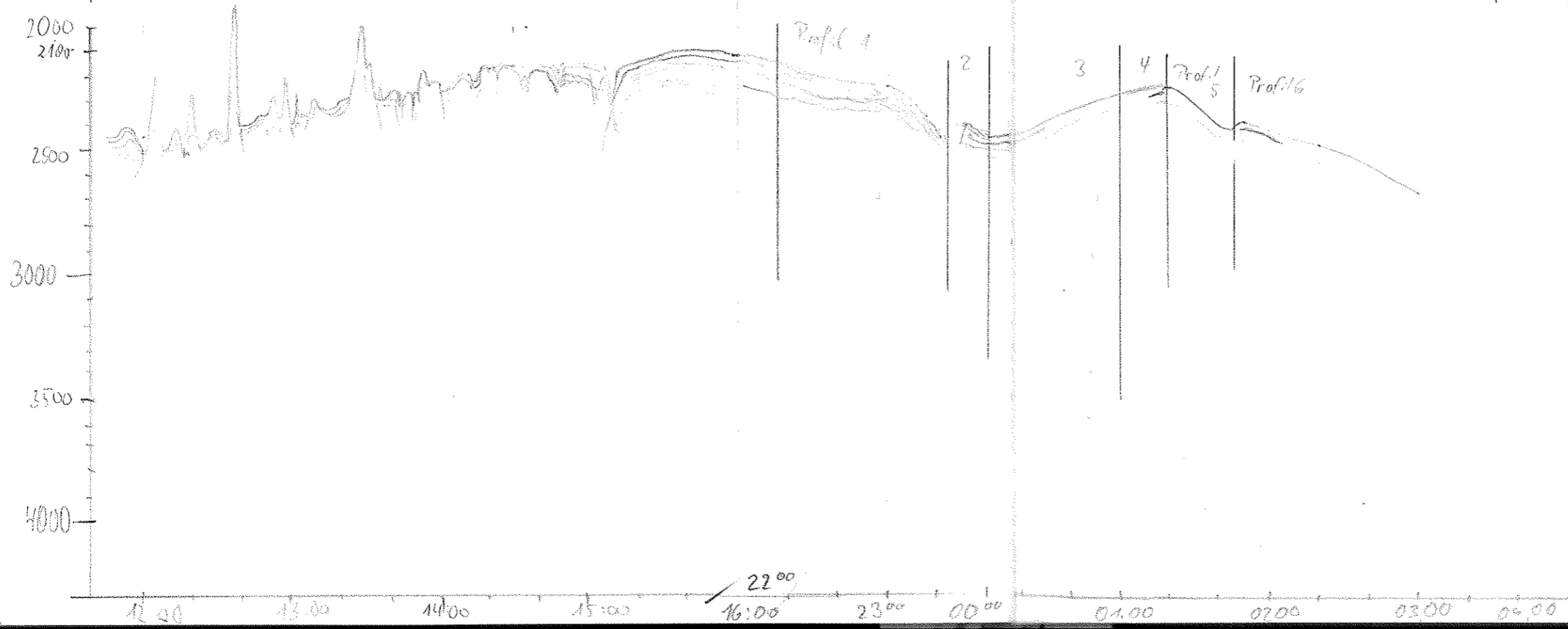
G. Meffers



Profile	Roll	Date	Time	Lat	Long	Depth	Speed	Course	Depth	Range	Trigger	Delay	Sweep	Scan	Pulse	Remarks			
9	9	12.4.86	0:00	65° 16.52' S	2° 16.78' E	2522	3.4	270.0	2790	2625	010102/02	0.5	5	500	4				
			0:34	65° 16.52' S	2° 16.61' E	2522	3.5	270.0											
			1:00	65° 13.40' S	2° 16.50' E	2525	4.1	272.2											
			1:30	65° 12.06' S	2° 09.53' E	2528	3.2	328.4											
			2:00	65° 10.63' S	2° 7.10' E	2536	3.9	311.4											
			2:30	65° 09.21' S	2° 4.45' E	2551	3.9	320.0											
			3:00	65° 07.65' S	2° 01.86' E	2549	3.8	329.4											
			3:30	65° 06.09' S	1° 59.60' E	2547	4.4	332.9											
			4:00	65° 4.49' S	1° 57.18' E	2543	3.4	329.0											
			4:30	65° 3.22' S	1° 55.45' E	2539	3.0	332.6											
			4:40	65° 2.68' S	1° 54.51' E	2577	3.1	318.9	2430	2805	010102/02	0.5	2						
			5:00	65° 1.29' S	1° 52.72' E	2563	3.0	319.3											
			5:30	65° 0.76' S	1° 51.47' E	2544	1.7	326.0											
			5:45	65° 0.61' S	1° 51.49' E	2537	-	350.0											Particulate
			12.4.86			6:00	65° 0.51' S	1° 51.56' E	2533	-	347.3								
6:50	65° 0.15' S	1° 51.72' E				2542	-	29.9										1458/1 SL Ground	
8:00	64° 59.42' S	1° 50.83' E				2526	-	29.9											
8:17	64° 59.34' S	1° 51.02' E				2524	-	38.1										1458/2 SL Ground	
10	10		8:52	64° 58.92' S	1° 50.92' E	2527	-	356											
			9:29	64° 59.36' S	1° 49.70' E	2525	-	310											
			9:47	64° 59.26' S	1° 49.37' E	2524	-	311.7											
			10:36	64° 59.13' S	1° 46.21' E	2531	-	291.8											
			11:03	64° 59.04' S	1° 47.64' E	2525	-	274											
			11:18	64° 58.97' S	1° 48.23' E	2523	-												
			11:43	64° 57.41' S	1° 54.09' E	2492	7.9	57.3	2050	2430	010102/101002	0	5	500	4			Start Profile	



Profile	Roll	Date	Time	Lat	Lon	Depth	Speed	Course	Depth	Range	Trigger	Delay	Sweep	Scan	Pulse	Remarks				
10	10	12.4.86	12:00	64°55'32"	02°00'54"	2548	8.7	60.8	2250	2625	010102/ 101002	00	5	500	4	secconds				
			12:31	64°52'59"	02°11'34"	2470	11.0	42.4	"	"	"	"	"	"	"	"	"	"		
			12:58	64°49'40"	02°21'39"	2207	9.7	34.3	2055	2430	"	"	25	"	"	"	"	change range		
			13:32	64°45'57"	02°30'64"	2187	10.5	47.0	"	"	"	"	"	"	"	"	"	"		
			14:00	64°43'05"	02°37'69"	2259	8.2	42.9	"	"	"	"	"	"	"	"	"	"		
			14:30	64°39'64"	02°45'24"	2173	10.1	42.9	"	"	"	"	"	"	"	"	"	"	"	
			15:00	64°36'06"	02°54'44"	2174	10.7	42.6	"	"	"	"	"	"	"	"	"	"	"	
			15:30	64°32'50"	03°03'60"	2150	10.7	48.9	"	"	"	"	"	"	"	"	"	"	"	
			12 4 86	16:00	64°29'22"	3°11'31" E	2132	9.2	33.0	2055	2430	"	"	"	"	"	"	"	Nachbeginn transe	
			16:10	64°28'31"	3°11'92" E	2179	0.6	170.1	2055	2430	"	"	"	"	"	"	"	"	Profilenote - Stationsbeginn	
			19:20	64°30'33"	3°11'20" E	2119	0.6	193.8	2055	2430	"	"	"	"	"	"	"	"	Höllennot am Grund + tiefe Punkt	
			19:58	64°31'19"	3°11'29" E	2124	0.6	207.4	"	"	"	"	"	"	"	"	"	"	Draht aus dem Wasser (mit Vorlauf u. Schere) Draht	
			20:28	64°31'32"	3°11'13" E	2122	0.3	197.9	"	"	"	"	"	"	"	"	"	"	Wache greift zu Wasser	
			20:56	64°31'53"	3°11'01" E	2114	0.3	163.1	"	"	"	"	"	"	"	"	"	"	"	
			21:02	64°31'56"	3°11'02" E	2118	0.2	170.5	"	"	"	"	"	"	"	"	"	"	"	
			21:24	64°31'68"	3°10'48" E	2113	0.6	215.8	"	"	"	"	"	"	"	"	"	"	KG Nr. 1459-4 auf Grund	
			21:38	64°31'82"	3°10'28" E	2119	0.7	204.4	"	"	"	"	"	"	"	"	"	"	"	
			1/11	12.04.86	22:14	64°29'22"	3°13'09" E	2166	9.4	100.8	"	"	"	"	"	"	"	"	"	Wachengreiter an Deck
			22:47		64°29'17"	3°26'18" E	2204	10.4	101.7	"	"	"	"	"	"	"	"	"	"	Station 622 Ende / Neues Profil
23:29	64°29'27"	3°43'62" E	2505		10.6	95.4	2250	2625	"	"	100	"	"	"	"	"	change range			
2/12	13.04.86	23:44	64°29'92"	3°49'67" E	2456	10.4	39.9	"	"	"	"	"	"	"	"	"	"			
3/13		01:03	64°27'04"	3°49'50" E	2463	7.9	270.9	"	"	"	"	"	"	"	"	"	Ende Profil 2 / Beginn Profil 3			
		01:30	64°27'05"	3°40'02" E	2393	9.6	273.0	"	"	"	"	"	"	"	"	"	"			
4/14	13.04.86	00:59	64°27'12"	3°29'61" E	2310	8.6	193.5	"	"	"	"	"	"	"	"	"	Start profile 4.			
5/15		01:08	64°28'47"	3°29'27" E	2275	10.4	168.4	"	"	"	"	"	"	"	"	"	Ende Profil 4 / Beginn Profil 5			
	"	01:30	64°28'52"	3°38'44" E	2376	10.9	88.7	"	"	"	"	"	"	"	"	"	"			
6/16		01:47	64°28'49"	3°44'28" E	2426	10.9	83.6	"	"	"	"	"	"	"	"	"	Ende Profil 5 / Beginn Profil 6			
		2:00	64°26'22"	3°46'02" E	2435	10.2	0.3	"	"	"	"	"	"	"	"	"	"			
		3:00	64°15'99"	3°49'20" E	2906	10.0	6.9	2625	3000	0421402	100	2	"	"	"	"	"			



Profile	Roll	Date	Time	Lat	Lon	Depth	Speed	Course	Depth - Range	Trigg	Delay	Trcep	Team	Pulse	Remarks
6/16	10	13.4.86	3:00	S	E				2685	3000	0421402	.00	2	500	
			3:30	64° 11,56'	3° 50,90'	2873	10,4	7,3				.00	2	"	
			3:44	64° 9,27'	3° 51,70'	2860	10,3	7,9	2205	3180	04214002	.25	3	"	
			3:59	64° 8,73'	3° 52,42'	2942	10,3	8,1	2625	3000	0421402	.00	2	"	
			3:56	64° 7,27'	3° 52,43'	3190	10,5	8,0	3000	3375	004214002	.00	3	"	
			4:23	64° 2,80'	3° 54,00'	3400	10,0	7,4	3180	3555	0421402	.25	2	"	
			5:04	63° 56,04'	3° 56,14'	3607	9,9	8,6	3375	3750	0421402	.00	2	"	
			5:45	63° 54,15'	3° 56,84'	3976	9,8	6,7	3750	4125	04214002	.00	3	"	
			5:37	63° 52,14'	3° 58,49'	4044	9,2	9,5	"	"	"	"	"	"	Known level
			6:00	63° 52,88'	4° 6,40'	3982	7,9	153,8	"	"	"	"	"	"	
			7:00	63° 52,37'	4° 5,38'	3958	0,5	279,3	"	"	"	"	"	"	
			8:00	63° 52,29'	4° 5,21'	3967	1,3	264,6	"	"	"	"	"	"	
			9:00	63° 52,36'	4° 3,54'	3975	1,2	270	"	"	"	"	"	"	
			10:00	63° 52,83'	3° 58,49'	4043	1,0	220	"	"	"	"	"	"	
	M		10:07	63° 52,85'	3° 59,53'	4044	0,4	160	"	"	"	"	"	"	
			10:54	63° 53,48'	4° 00,04'	4045	0,6	142	"	"	"	"	"	"	
			11:27	63° 53,67'	4° 00,02'	4044	1,2	222	"	"	"	"	"	"	
			12:38	63° 53,89'	3° 57,69'	4036	0,3	150,1	"	"	"	"	"	"	
			12:40	63° 53,92'	3° 57,77'	4049	0,4	177,9	"	"	"	"	"	"	
			13:00	63° 52,96'	4° 04,04'	3992	5,4	70,6	"	"	"	"	"	"	
			13:30	63° 52,60'	4° 04,86'	3979	4,0	199,4	"	"	"	"	"	"	
			14:00	63° 52,42'	4° 03,54'	3980	0,4	21,2	"	"	"	"	"	"	
			14:30	63° 52,49'	4° 04,97'	3980	0,7	123,6	"	"	"	"	"	"	
			15:00	63° 52,65'	4° 05,52'	3984	0,5	103,3	"	"	"	"	"	"	
			15:30	63° 52,39'	4° 05,35'	3984	1,1	79,7	"	"	"	"	"	"	
			15:45	63° 52,48'	4° 05,56'	3981	3,2	175,6	"	"	"	"	"	"	
			16:20	63° 53,60'	4° 00,09'	4046	6,6	0,4	"	"	"	"	"	"	
			16:24	63° 53,48'	3° 59,93'	4052	0,5	163,3	"	"	"	"	"	"	
			16:54	63° 53,75'	3° 59,49'	4059	0,6	184,9	"	"	"	"	"	"	
			17:26	63° 53,89'	3° 59,53'	4058	0,3	131,8	"	"	"	"	"	"	
			18:02	63° 54,13'	3° 58,66'	4056	0,5	243,6	"	"	"	"	"	"	
			18:12	63° 54,16'	3° 58,66'	4047	0,4	168,0	"	"	"	"	"	"	
			18:46	63° 54,49'	3° 57,82'	3969	0,5	166,5	"	"	"	"	"	"	
			19:26	63° 54,89'	3° 57,12'	3871,0	0,3	232,7	3555	3930	"	0,25	"	"	
			19:56	63° 55,17'	3° 57,04'	3766	0,5	187,7	"	"	"	"	"	"	
			20:01	63° 55,20'	3° 57,07'	3763	0,4	47,0	"	"	"	"	"	"	

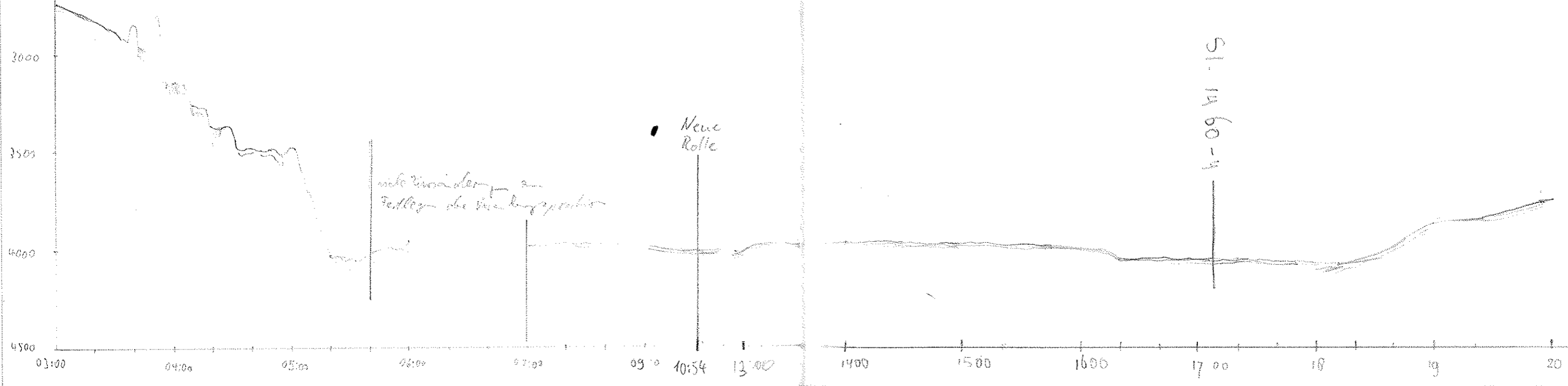
Station 081626

GK6 zu Wasser  
 Rolle 10 abgeschnitten → Rolle 11  
 Kartographier auf Grund 1460/1  
 Schmitt

ARC AT SURFACE

08/626  
 on Station again!  
 Gravity cover down  
 17:00 Gravity cover at bottom

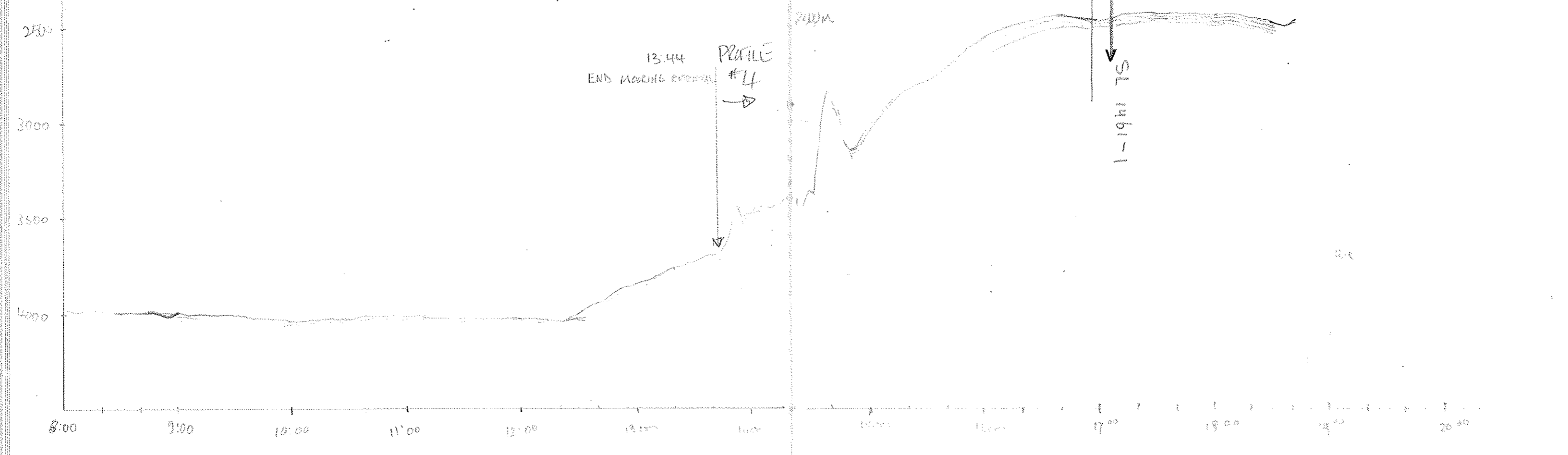
18:12 Gravity cover at surface  
 18:22 CTD  
 19:26 Change range  
 Schmitt



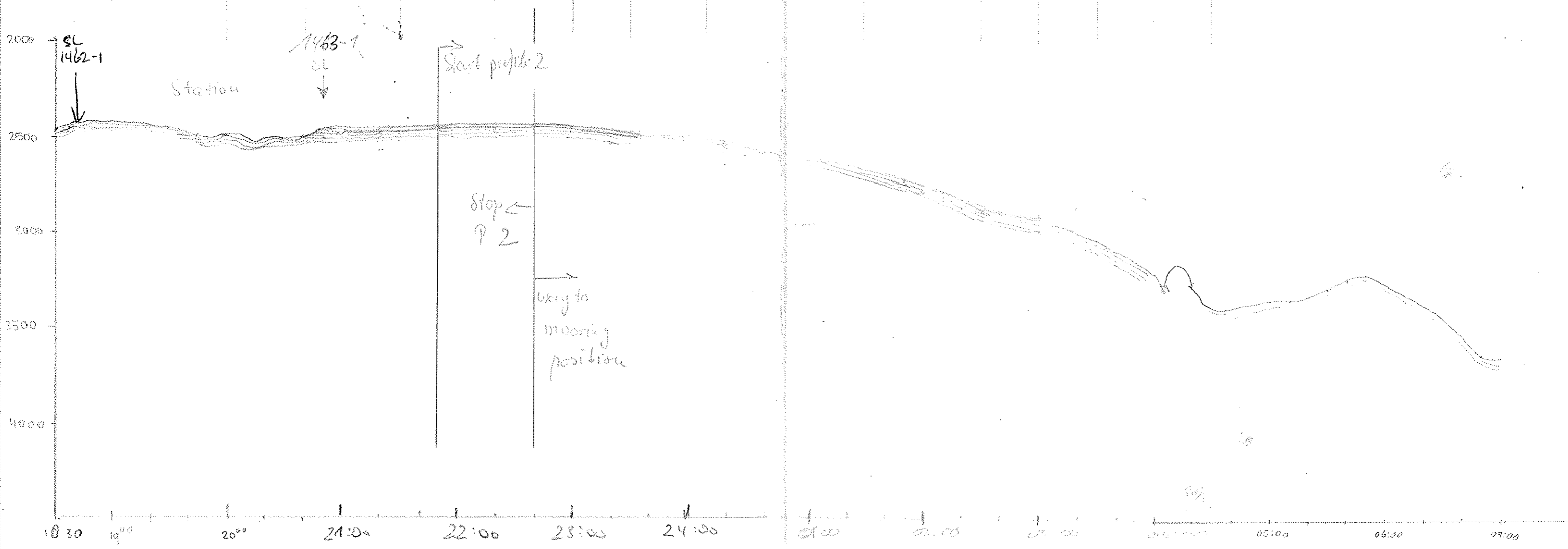




Profil	Rolle	Datum	Zeit	Lat	Lon	Tiefe	Speed	Kurs	Depth-range	Trigger	Delay	Sweep	Scan	Pulse	Bemerkungen	
12		14.4.86	8:00	563° 53,25'	E 4° 6,82'	3979	-	247,5	3750	-425	0.902 / 1002	.00	3	500	4	
"	"	"	8:30	63° 53,29'	4° 6,47'	3989	0.3	250.4	"	"	"	"	"	"	"	
"	"	"	9:00	63° 53,72'	4° 04,23'	3998	0.5	339.0	"	"	"	"	"	"	"	
"	"	"	9:33	63° 52,97'	4° 02,83'	4013	0.9	217.8	"	"	"	"	"	"	"	Missing on deck.
"	"	"	10:00	63° 53,29'	4° 02,12'	4024	0.8	217.1	"	"	"	"	"	"	"	
"	"	"	10:30	63° 53,50'	4° 01,40'	4029	1.0	216.9	"	"	"	"	"	"	"	
"	"	"	11:04	63° 53,87'	4° 00,39'	4032	1.3	228.8	"	"	"	"	"	"	"	
"	"	"	11:32	63° 54,11'	3° 59,73'	4030	1.0	234.9	"	"	"	"	"	"	"	
"	"	"	11:55	63° 54,24'	3° 59,11'	4031	0.6	237.2	"	"	"	"	"	"	"	
"	"	"	12:30	63° 54,71'	3° 57,96'	3973	0.0	228.4	3750	4125	0102 / 1002	.00	"	"	"	
"	"	"	12:44	63° 54,89'	3° 57,67'	3943	1.1	216.3	"	"	"	"	"	"	"	
"	"	"	13:00	63° 54,91'	3° 59,89'	3847	1.2	215.1	"	"	"	"	"	"	"	
"	"	"	13:17	63° 55,12'	3° 59,55'	3784	0.8	209.8	3550	3430	0102 / 1002	0.25	"	"	"	Change (delay) scale
"	"	"	13:31	63° 55,27'	3° 59,36'	3736	0.7	208.6	"	"	"	"	"	"	"	
4	"	"	13:44	63° 55,41'	3° 59,17'	3658	0.7	176.2	"	"	"	"	"	"	"	END MARKING RECOVERED NEW PROFILE on last 50 m
"	"	"	13:53	63° 56,45'	3° 58,97'	3513	10.5	188.0	3575	3750	012 / 107	0.00	"	"	"	Change scale (13:44 - 46; 3513 to 3658)
"	"	"	14:00	63° 57,64'	3° 58,62'	3572	10.5	187.6	"	"	"	"	"	"	"	
"	"	"	14:23	64° 03,52'	3° 55,72'	3390	10.4	184.4	3180	3555	"	0.25	"	"	"	Change (delay) scale
"	"	"	14:32	64° 05,10'	3° 55,51'	3267	10.4	184.8	2805	3180	0012 - 1002	0.25	"	"	"	Change (trigger) scale
"	"	"	15:00	64° 09,03'	3° 54,94'	3029	10.5	188.0	"	"	"	"	"	"	"	
"	"	"	15:19	64° 12,77'	3° 53,59'	2836	10.5	195.6	2625	3000	012 / 102	0.00	"	"	"	Change scale
"	"	"	15:30	64° 14,60'	3° 52,49'	2777	10.7	194.6	2625	3000 m	"	"	"	"	"	
"	"	"	15:49	64° 18,09'	3° 50,52'	2642	10.7	193.7	2750	2625	01002 - 101002	"	"	"	"	Change (trigger) scale
"	"	"	16:00	64° 20,25'	3° 49,91'	2575	11.0	197.7	"	"	"	"	"	"	"	
"	"	"	16:41	64° 27,51'	3° 44,68'	2418	9.8	193.2	"	"	"	"	"	"	"	
on station	"	"	16:57	64° 29,68'	3° 42,17'	2437	5.5	144.8	"	"	"	"	"	"	"	end of profile / on station
"	"	"	17:05	64° 29,89'	3° 42,41'	2433	0.5	196.2	"	"	"	"	"	"	"	Gravity core down SI 1461-1
2500	"	"	17:33	64° 29,73'	3° 42,11'	2414	0.1	191.8	"	"	"	"	"	"	"	SI at bottom
"	"	"	18:00	64° 29,61'	3° 43,00'	2418	0.5	50.7	"	"	"	"	"	"	"	SI at surface
"	"	"	18:10	64° 29,59'	3° 43,15'	2419	0.5	52.0	"	"	"	"	"	"	"	
"	"	"	18:30	64° 29,84'	3° 42,30'	2476	1.2	98.6	"	"	"	"	"	"	"	



PROFIL	ROLL	DATE DATUM	TIME ZEIT	LAT	LAN	DEPTH TIEFE	SPEED	KURS	DEPTH	RANGE	TRIGGER	DELAY	WEEP	SCAN	PULSE	REMARKS
	12	14/4/86	18.41	64° 29.97'	3° 42.58'	2462	0.3	252.7	2250	2625	010102	0.00	3	500	4	Gravity cover down 1462-1 Gravity cover at bottom Gravity cover up SL down SL bottom 1463-1
	"	"	19.06	64° 30.01'	3° 42.42'	2467	0.3	274.1	"	"	101002	"	"	"	"	
Station	"	"	19.45	64° 30.27'	3° 43.03'	2500	0.3	245.7	"	"	"	"	"	"	"	
	"	"	20.16	64° 29.32'	3° 43.64'	2536	0.3	230.4	"	"	"	"	"	"	"	
	"	"	21.54	64° 28.17'	3° 44.39'	2437	4.8	63.7	"	"	"	"	"	"	"	
Profile 2	"	"	21.30	64° 28.67'	3° 43.70'	2457	0.4	32.0	"	"	"	"	"	"	"	
	"	"	21.40	64° 28.68'	3° 44.36'	2450	2.6	58.5	"	"	"	"	"	"	"	
	"	"	22.00	64° 28.94'	3° 44.43'	2430	1.0	62.8	"	"	"	"	"	"	"	
Stop P2	"	"	22.40	64° 28.82'	3° 48.88'	2455	2.0	32.2	"	"	"	"	"	"	"	
	"	"	23.36	64° 25.24'	3° 50.56'	2490	3.5	10.8	"	"	"	"	"	"	"	
	12	15/4/86	00:00	64° 23.86'	03° 51.66'	2513	2.1	30.6	"	"	"	"	"	"	"	Leon van Kesteren
	"	"	00:56	64° 20.74'	03° 54.63'	2605	4.3	34.7	2430	2805	012/102	.25	3	500	"	Change range
	"	"	01:51	64° 7.32'	06° 00.02'	2752	2.9	22.6	2620	3000	"	.00	"	"	"	Change delay
	"	"	02:59	64° 12.57'	06° 04.85'	2907	3.5	23.6	2805	3180	0012/1002	.25	"	"	"	Change range
	"	"	03:48	64° 09.33'	06° 08.15'	3127	4.3	18.2	3000	3275	"	.00	"	"	"	Change delay
	"	15.4.86	4:25	64° 6.25'	04° 9.29'	3404	4.1	12.5	3375	3750	012/102	.00	2	"	"	
	"	"	5:10	64° 3.33'	4° 11.36'	3386	4.2	19.4	3180	3555	"	.25	"	"	"	
	"	"	6:00	63° 59.63'	4° 17.20'	3327	4.8	22.6	"	"	"	"	"	"	"	
	"	"	6:33	63° 52.02'	4° 16.62'	3642	4.0	40.3	3375	3555	"	"	"	"	"	
	"	"	7:03	63° 55.75'	4° 19.18'	3679	3.8	50.9	"	"	"	"	"	"	"	



Profile	Roll	Date	Time	Lat	Lon	Depth	Speed	Course	Depth	Range	Trigger	Delay	Thrup	Scan	Pulse	Remarks		
1	12	15.4.86	7:30	5 63° 54.22'	5 4° 22.07'	3422	4.0	47.4	3375-	3750	0121102	.00	2	500	4			
			8:00	63° 51.51'	4° 22.77'	3673	5.9	33.5										
			8:15	63° 50.15'	4° 23.52'	3796	5.8	40.7	3555-	3930	010211002	0.25	3					
			8:28	63° 49.04'	4° 24.06'	3930	6.2	41.3	3750-	4125	"	0.00	"					
			8:42	63° 47.77'	4° 24.30'	4164	3.5	37.2	3930-	4305	0121102	0.25	2					
			8:49	63° 47.61'	4° 25.01'	4150	2.8	226.6										
			9:30	63° 48.97'	4° 26.67'	4046	2.2	30.7										
			9:35	63° 48.97'	4° 27.91'	3948	6.2	260.7	3750-	4125	010211002	0.00	3					
			10:00	63° 47.64'	4° 27.76'	4173	0.4	138.6										
			10:14	63° 47.67'	4° 27.83'	4183	0.4	112.6	3930-	4305	0121102	0.25	2					
	10:42	63° 47.56'	4° 22.08'	4145	0.5	80.8												
	10:54																	
	11:04	63° 48.19'	4° 22.45'	3955	2.1	238.5	3750-	4125	010211002	0.00	3	500	4					
	11:18	63° 48.41'	4° 20.34'															
	11:24	63° 48.47'	4° 19.86'	3764	2.9	241.4	3555-	3930	010211002	0.25	3	500	4					
	12:00	63° 52.75'	4° 15.97'	3730	9.3	193.7												
	12:10	63° 57.93'	4° 16.66'	3496	9.0	189.4	3375	3750	0121102	0.00	3	500	4					
	12:21	63° 58.75'	4° 15.88'	3419	10.9	204.0	3100	3555	"	0.25	"	"	"					
	12:56	64° 03.78'	4° 10.65'	3414	10.8	202.2	"	"	"	"	"	"	"					
	13:17	64° 07.00'	4° 07.24'	3106	10.7	205.8	3000	3375	0012-1002	0.00	3	500	4					
13:38	64° 09.88'	4° 04.50'	3046	8.5	202.6	2805	3180	"	0.25	"	"	"						
13:57	64° 12.39'	4° 02.53'	2878	8.3	211.5	2625	3000	012-102	0.00	3	500	4						
14:30	64° 16.66'	3° 57.62'	2719	8.4	206.7	"	"	"	"	"	"	"						
14:40	64° 18.67'	3° 54.81'	2650	8.6	206.1	2430	2805	"	0.25	"	"	"						
15:01	64° 21.50'	3° 51.59'	2549	9.5	206.2	"	"	"	"	"	"	"						
15:14	64° 23.78'	3° 49.89'	2496	8"	201.0	2250	2625	010612-101002	0.00	"	"	"						
16:00	64° 29.62'	3° 43.78'	2489	5.4	201.0	"	"	"	"	"	"	"						
16:04	64° 29.95'	3° 43.52'	2481	5.2	163.0	"	"	"	"	"	"	"						
16:30	64° 30.05'	3° 43.23'	2430	02	280.7	"	"	"	"	"	"	"						
16:40	64° 30.67'	3° 43.31'	2531	02	159.2	"	"	"	"	"	"	"						

Kurswechsel

Mooring abgeben

Roll 12 abgebrochen → Roll 13  
Antarktisch Seeschiff MR 9

change range  
change range

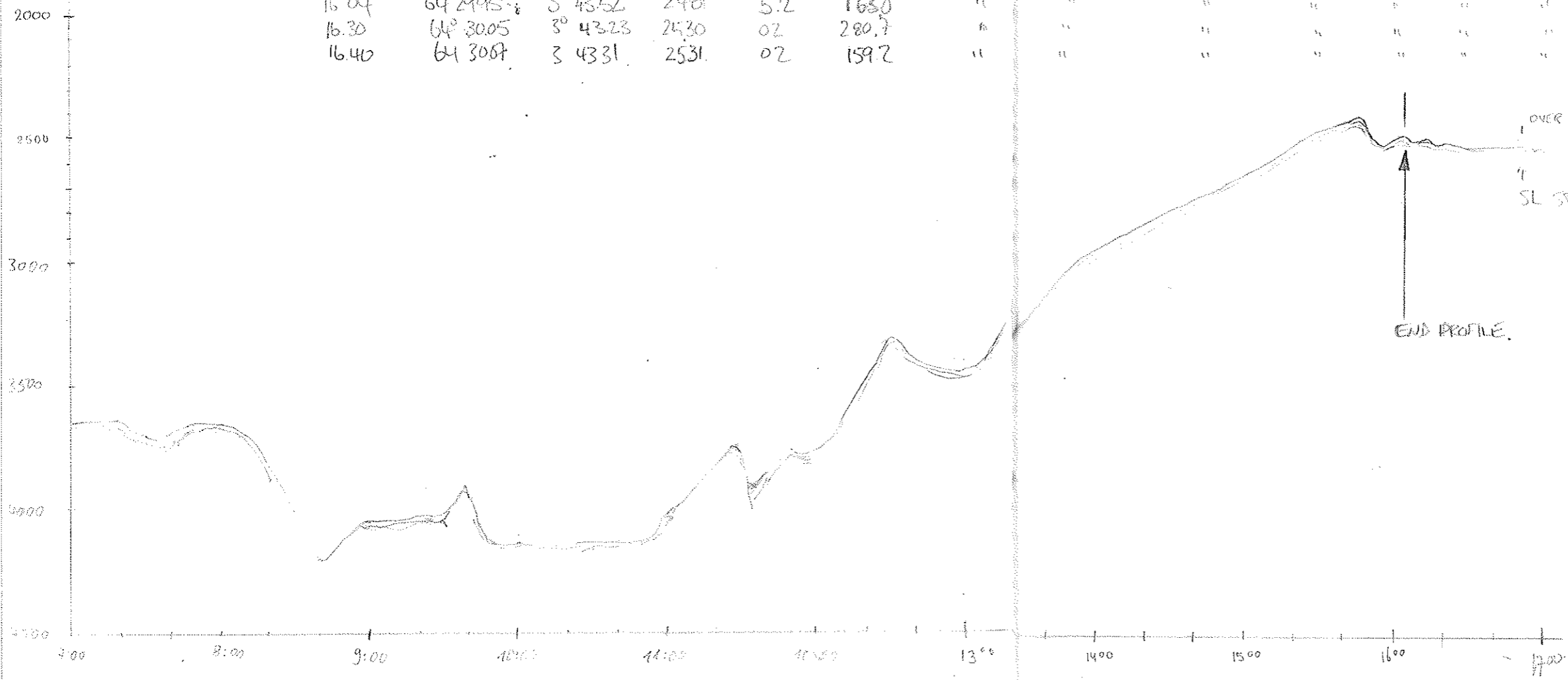
change range  
change range  
change range

change range

change range

STOP PROFILE / DRIFTING TO FIND STATION  
— STILL DRIFTING

Amibex



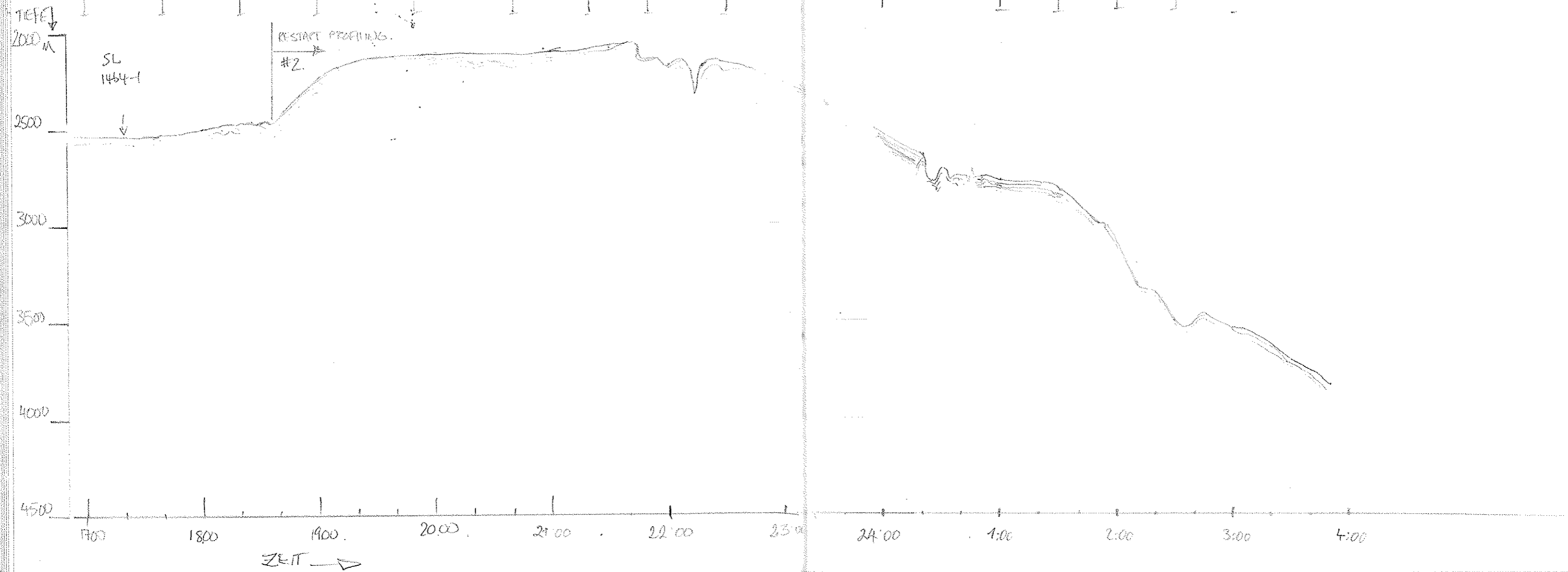
PROFILE	ROLL	DATE	TIME	LAT	LONG	DEPTH	SPEED	COURSE	DEPTH	RANGE	TRIGGER	DELAY	SWEEP	SCAN	PULSE
	13	15/4/86	16:51	64° 30.10	3° 43.80	2543	0.2	278.2	2250 -	2625	01002 - 101002	0.00	3.	500	4.
			17:00	64° 30.23	3° 43.65	2551	0.1	182.0	"	"	"	"	"	"	"
			17:19/20	64° 30.16	3° 44.01	2557	0.3	183.2	"	"	"	"	"	"	"
			17:30	64° 30.19	3° 44.04	2555	0.3	181.0	"	"	"	"	"	"	"
			18:00	64° 30.64	3° 44.74	2516	0.2	172.1	"	"	"	"	"	"	"
			18:30	64° 30.93	3° 45.83	2494	0.4	351.4	"	"	"	"	"	"	"
			18:57	64° 30.52	3° 44.18	2480	9.1	273.9	"	"	"	"	"	"	"
			18:59	64° 30.46	3° 36.98	2269	9.6	276.6	2055 -	2430	"	0.25	"	"	"
			19:30	64° 30.16	3° 24.37	2164	9.9	275.9	"	"	"	"	"	"	"
			20:00	64° 29.97	3° 13.59	2128	9.5	269.0	"	"	"	"	"	"	"
			20:30	64° 30.37	3° 01.58	2129	9.6	274.1	"	"	"	"	"	"	"
			21:30	64° 30.00	2° 39.51	2104	9.5	269.7	1875	2250	012/1102	0.00	2	"	"
			22:00	64° 29.98	2° 28.64	2166	8.9	273.8	2055	2430	01002 - 101002	0.25	4	"	"
			22:41	64° 30.04	2° 14.68	2193	9.3	272.9	"	"	"	"	"	"	"
			23:04	64° 30.00	2° 06.65	2280	8.8	267.7	"	"	"	"	"	"	"
			23:23	64° 30.00	1° 59.93	2357	8.9	269.7	2250 -	2625	"	0.00	"	"	"
			23:55	64° 29.99	1° 49.28	2535	9.2	269.2	"	"	"	"	"	"	"
		16.4.86	0:03	56° 29.98	E 1° 46.54	2580	9.1	268.9	2430 -	2805	012/1102	0.25	2	"	"
			0:30	64° 29.99	1° 37.44	2724	8.6	271.4	"	"	"	"	"	"	"
			0:39	64° 29.98	1° 34.34	2779	8.7	272.4	2625 -	3000	012/1102	0.00	"	"	"
			1:00	64° 29.97	1° 29.12	2769	8.4	267.2	"	"	"	"	"	"	"
			1:30	64° 29.60	1° 19.15	2825	8.9	266.4	"	"	"	"	"	"	"
			2:00	64° 29.91	1° 08.97	3190	8.9	269.3	3000 -	3375	"	0.25	"	"	"
			2:19	64° 30.11	1° 02.45	3378	8.9	270.8	"	"	"	"	"	"	"
			3:03	64° 30.04	0° 47.71	3571	8.5	269.5	3375 -	3750	012/1102	0.00	2	"	"
			3:30	64° 29.98	0° 41.69	3705	5.8	262.2	"	"	"	"	"	"	"

SL over side SL 08/641.  
#14641  
SL ON BOTTOM | 17.20 WIND UP  
SL ON DECK.  
RESTART PROFILE  
Change (delay) scale

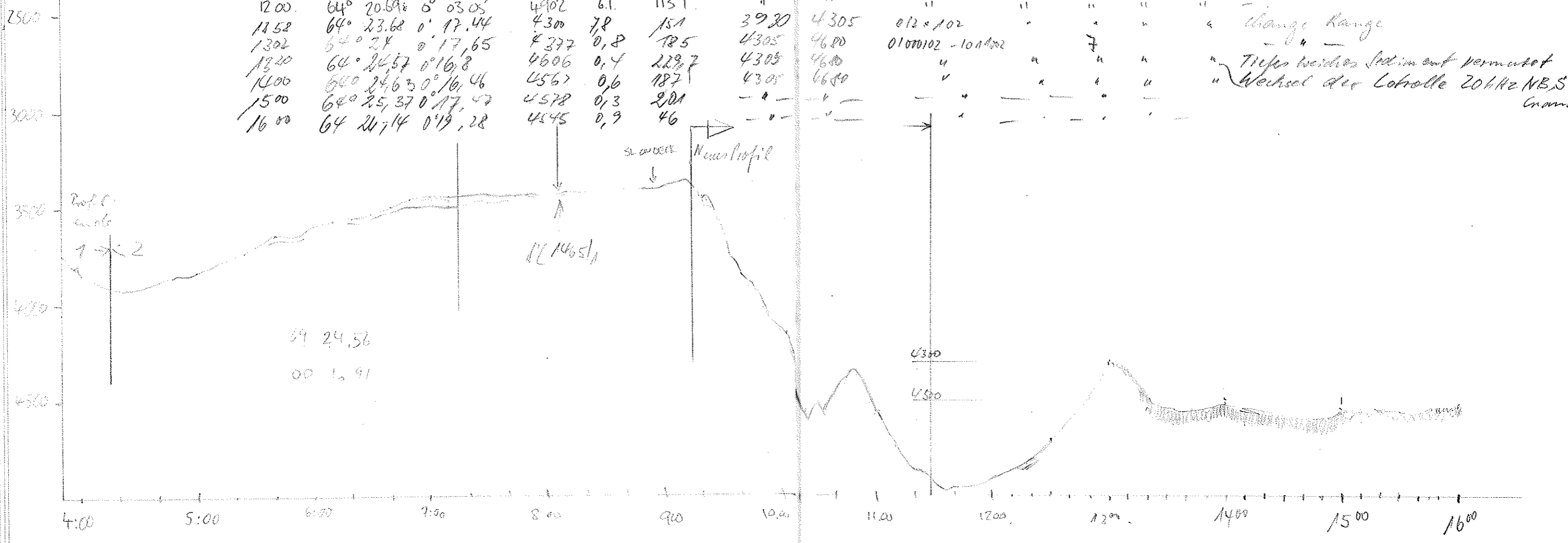
*Stamitz*

change scale.

Stfo-belt gewechselt

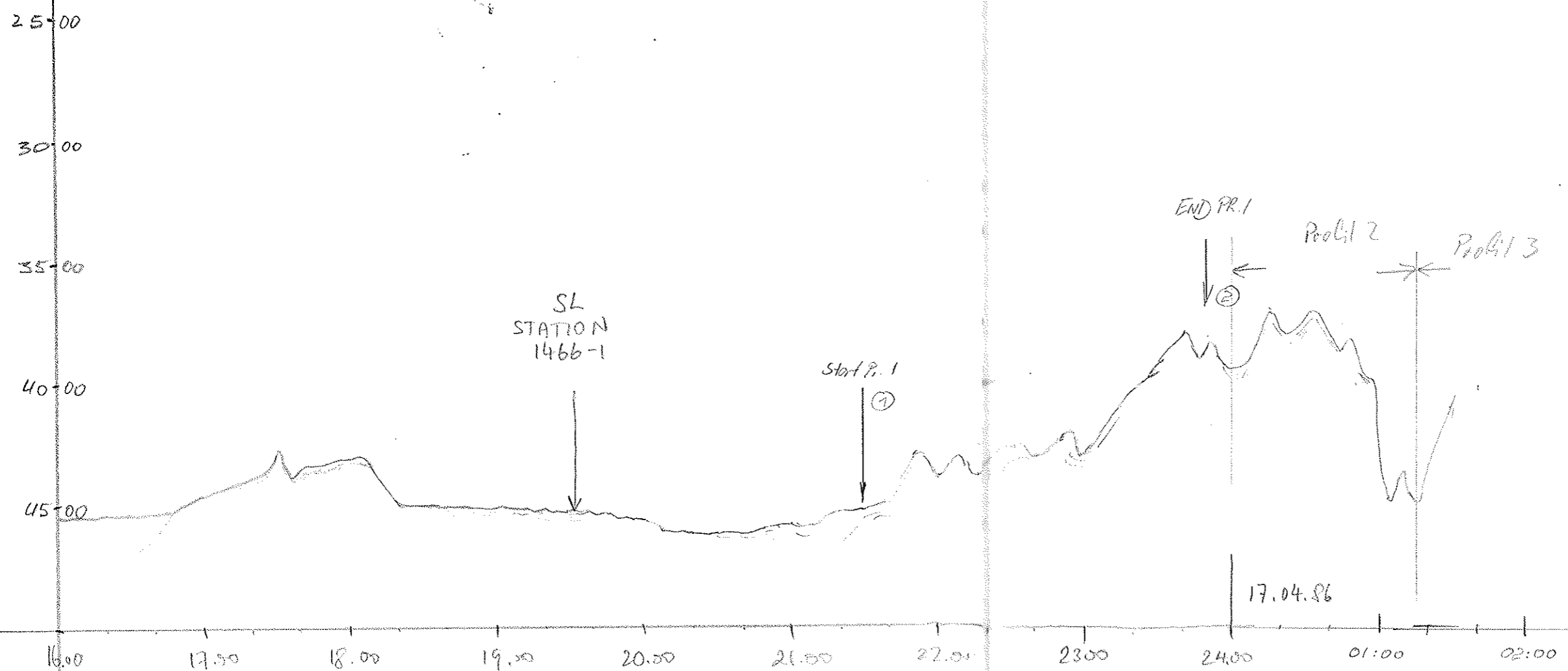


Profile	Roll	Date	Time	Lat	Lon	Depth	Speed	Course	Depth-Range	Trigger	Delay	Sweep	Scan	Pulse	Remarks
1	14	16.4.86	3:49	64° 30.00'S	0° 39.09'E	3788	5.9	277.4	3555 - 3930	0102/1002	0.25	3	500	4	New Rolle
			4:11	64° 29.80'S	0° 31.99'E	3931	7.4	267.1	3730 - 4125	"	0.00	"	"	"	Profile de 1 / 1. Aug 2
1/2			4:15	64° 29.84'S	0° 30.81'E	3497	7.5	265.7	"	"	"	"	"	"	"
			5:00	64° 29.82'S	0° 37.54'E	3852	7.1	89.6	"	"	"	"	"	"	"
			5:25	64° 29.60'S	0° 41.06'E	3768	3.3	81.3	3555 - 4125	"	.25	"	"	"	"
			6:00	64° 29.74'S	0° 45.04'E	3630	2.0	94.2	"	"	"	"	"	"	"
			6:15	64° 29.84'S	0° 46.56'E	3587	3.5	112.8	3375 - 3750	012 1702	.00	2	"	"	"
			6:30	64° 29.95'S	0° 48.96'E	3555	2.4	114.8	"	"	"	"	"	"	"
			7:00	64° 30.7'S	0° 51.30'E	3484	2.8	73.1	"	"	"	"	"	"	"
2			7:14	64° 30.14'S	0° 37.68'E	3492	7.7	26.0	"	"	"	"	"	"	Profile de 1 / 1. Aug — Hamilton
			0800	64° 30.14'S	0° 51.83'E	3485	0.4	129.9	"	"	"	"	"	"	Chart code in bottom SL 1465/1
			0807	64° 30.14'S	0° 51.88'E	3477	0.7	173.3	"	"	"	"	"	"	SL on deck
			0830	64° 30.52'S	0° 51.98'E	3466	0.3	341.6	"	"	"	"	"	"	TURNING TO NORTH WEST FOR MORNING
			0856	64° 30.81'S	0° 49.97'E	3449	1.0	216.3	"	"	"	"	"	"	"
			0900	64° 30.94'S	0° 49.87'E	3444	1.4	227.2	"	"	"	"	"	"	"
31		16.4.86	09:10	64° 31.07'S	0° 49.66'E	3436	1.7	197.9	"	"	"	"	"	"	NEW PROFILE
			09:15	64° 31.09'S	0° 49.24'E	3435	6.4	304.5	"	"	"	"	"	"	"
			09:30	64° 30.15'S	0° 43.60'E	3666	10.1	299.5	"	"	"	"	"	"	"
			09:37	64° 29.46'S	0° 40.85'E	3787	10.9	301.7	3750 - 4125	0102-1052	0.00	3	"	"	Change (trigger) scale
			10:01	64° 29.14'S	0° 32.31'E	4172	10.9	299.2	4125 - 4500	012-102	"	2	"	"	Change (trigger) scale
			10:22	64° 25.64'S	0° 24.75'E	4573	11.1	298.3	4500 - 4875	01000102-1001002	"	7	"	"	Change (trigger) scale
			10:37	64° 24.34'S	0° 21.91'E	4576	11.3	300.1	4125 - 4500	012-102	"	2	"	"	Change (trigger) scale
			10:55	64° 23.00'S	0° 11.74'E	4580	11.3	298.2	4305 - 4680	0100012-1001002	0.25	7	"	"	Change scale
			11:00	64° 22.57'S	0° 10.02'E	4616	11.2	302.6	"	"	"	"	"	"	"
			11:08	64° 21.82'S	0° 06.97'E	4739	10.8	300.9	4500 - 4875	"	0.00	"	"	"	Change (delay) scale
			11:25	64° 20.67'S	0° 02.45'E	4900	6.3	311.1	4680 - 5055	012-102	0.25	2	"	"	"
			11:29	64° 20.57'S	0° 01.52'E	4943	7.3	309.1	"	"	"	"	"	"	END PROFILE, Slaving to 1kat.
			12:00	64° 20.69'S	0° 03.05'E	4902	6.1	113.1	"	"	"	"	"	"	"
			11:52	64° 23.68	0° 17.44	4300	7.8	151	3930 - 4305	012-102	"	"	"	"	Change Range
			13:02	64° 24	0° 17.65	4377	0.8	185	4305 - 4680	01000102-1001002	"	7	"	"	"
			13:20	64° 24.57	0° 16.8	4606	0.4	229.7	4305 - 4680	"	"	"	"	"	Tiefes weiches Sediment auf vermutet
			14:00	64° 24.63	0° 16.46	4567	0.6	187	4305 - 4680	"	"	"	"	"	Wechsel der Lotrolle 20kHz NBS
			15:00	64° 25.37	0° 17.47	4578	0.3	201	"	"	"	"	"	"	Change
			16:00	64° 24.14	0° 19.28	4545	0.9	46	"	"	"	"	"	"	"

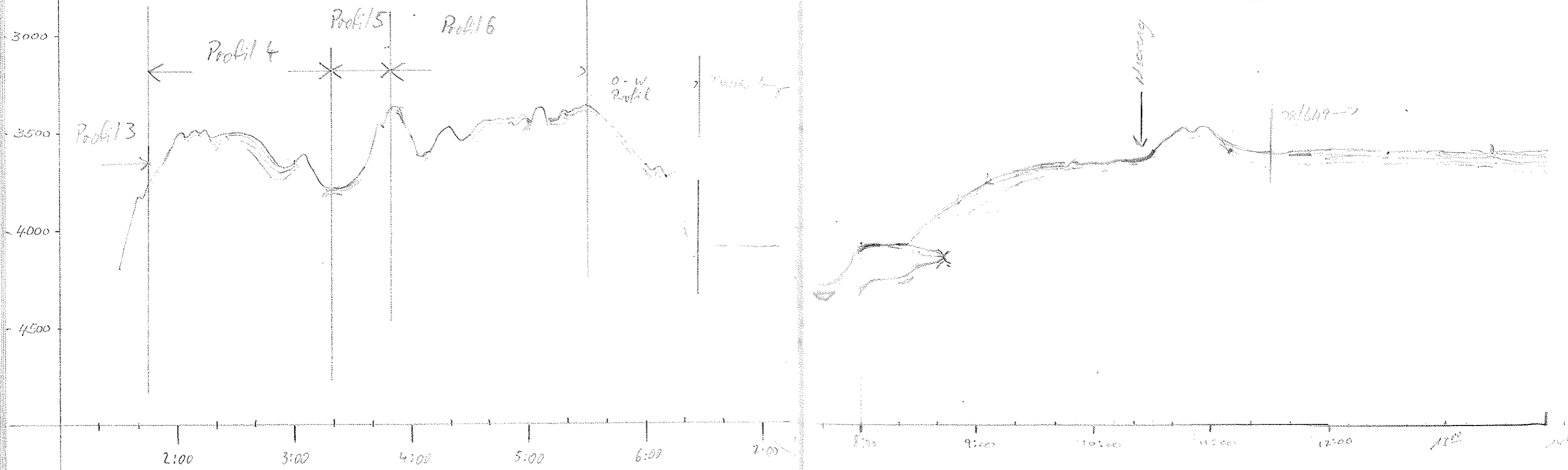




Prof.	Roll	Date	Time	Lat	Lon	Depth	Speed	Course	Depth	Range	Trigger	Delay	Secep	Scan	Pulse	Remarks	123
	14	16.04.86	16:32	64° 24.85	00° 20.67	4538	1.7	032.0	4305	4680	01000102/ , 10010002	0.25	7	500	4		
			17:02	64° 24.38	00° 21.01	4480	0.8	356.8	"	"	"	"	"	"	"		
			17:30	64° 24.12	00° 22.35	4370	3.7	356.8	3930	4305	012/102	"	2	"	"		
4			18:00	64° 22.65	00° 22.69	4328	0.5	065.2	"	"	"	"	"	"	"		
			18:25	64° 24.28	00° 17.94	4490	7.6	231.7	4305	4680	01000102/ , 10010002	"	7	"	"		
			19:00	64° 25.41	00° 14.76	4515	0.4	211.9	"	"	"	"	"	"	"		
STATION			19:33	64° 25.55	00° 14.77	4550	0.2	184.0	"	"	"	"	"	"	"		
			20:00	64° 25.62	00° 14.64	4590	0.2	177.6	"	"	"	"	"	"	"		
			20:30	64° 25.62	00° 15.48	4620	0.8	144.9	"	"	"	"	"	"	"		
			20:40	64° 25.63	00° 15.69	4620	0.2	140.1	"	"	"	"	"	"	"		
			21:00	64° 25.88	00° 15.38	4580	0.2	35.0	"	"	"	"	"	"	"		
Start			21:17	64° 25.12	00° 13.29	4570	8.8	60.0	"	"	"	"	"	"	"		
9			21:30	64° 23.71	00° 23.69	4480	10.2	56.8	"	"	"	"	"	"	"		
			21:43	64° 22.52	00° 27.87	4335	10.4	56.3	4125	4500	012/102	0	2	"	"		
			22:00	64° 20.78	00° 33.87	4320	10.4	55.1	"	"	"	"	"	"	"		
			22:30	64° 18.33	00° 42.42	4280	9.3	64.2	"	"	"	"	"	"	"		
			23:00	64° 17.12	00° 52.42	4255	9.4	78.3	"	"	"	"	"	"	"		
			23:10	64° 16.73	00° 56.77	4116	9.3	80.7	3930	4305	012/102	0.25	"	"	"		
			23:30	64° 16.12	01° 02.54	3960	9.8	76.7	3750	4125	0102/1002	0	3	"	"		
			23:50	64° 15.02	01° 09.77	3850	8.7	"	"	"	"	"	"	"	"		
2			24:00	64° 13.42	01° 09.93	3832	11.1	359.0	"	"	"	"	"	"	"		
		17.4.86	0:18	S 64° 10.24	E 01° 09.95	3741	11.0	359.0	3555	3930	01021-1002	0.25	"	"	"		
			0:54	64° 03.57	1° 09.88	3972	11.1	359.2	3750	4125	"	0.00	"	"	"		
			1:04	64° 01.93	1° 09.92	4433	10.7	1.6	4305	4680	01000102/10000002	0.25	"	"	"		
3			1:14	64° 01.10	1° 10.04	4372	10.4	23.1	"	"	"	"	"	"	"		
			1:26	64° 01.00	1° 13.84	4221	9.1	90.3	4125	4500	012/102	0.00	"	"	"		
			1:33	63° 59.99	1° 16.53	4094	9.2	92.6	3930	4305	"	0.25	"	"	"		



Prof.	Roll	Date	Time	Lat	Lon	Depth	Speed	Course	Depth	Range	Trigger	Delay	Sweep	Scan	Pulse	Remarks
4	14	17.4.86	1:44	64° 0.00'	E 1° 20.15'	3801	9.2	114.4								Antang Profil 4
			1:51	64° 01.03'	1° 19.94'	3698	9.6	182.5	3555	3930	0102/1002	0.25	3	500	4	
			1:57	64° 2.00'	1° 19.95'	3582	9.7	177.7	3375	3750	012/102	0.00	2	"	"	
5			3:00	64° 11.98'	1° 20.01'	3666	9.8	173.5							Antang Profil 5	
			3:19	64° 15.03'	1° 20.15'	3801	9.7	125.5	3555	3930	0102/1002	0.25	3	"		"
6			3:43	64° 14.36'	1° 28.20'	3502	8.1	124.5	3375	3750	012/102	0.00	2	"	"	Antang Profil 6
			3:50	64° 14.94'	1° 30.05'	3373	7.9	61.8	3180	3555	"	0.25	"	"	"	
6			4:01	64° 13.29'	1° 30.05'	3612	10.5	359.2	3375	3750	"	0.00	"	"	"	C-de Profil 6
			4:32	64° 8.73'	1° 29.71'	3536	9.6	4.5	"	"	"	"	"	"	"	
6			5:00	64° 3.92'	1° 30.00'	3482	2.9	0.7	"	"	"	"	"	"	"	
			5:30	64° 0.42'	1° 29.99'	3439	5.0	359.8	"	"	"	"	"	"	"	
			5:40	63° 59.99'	1° 29.01'	3405	7.8	270.9	"	"	"	"	"	"	"	
			6:00	64° 0.01'	1° 22.30'	3700	8.6	271.7	"	"	"	"	"	"	"	
			6:19	64° 0.77'	1° 15.45'	3970	9.8	274.0	3750	4125	0102/1002	"	3	"	"	
			6:28	64° 0.80'	1° 13.82'	4154	9.8	270.0	4125	4500	012/102	"	2	"	"	
			6:30	64° 1.17'	1° 13.32'	4140	6.7	77.2	3930	4305	"	.25	"	"	"	
			7:00	64° 1.04'	1° 14.79'	4159	4.6	346.3	"	"	"	"	"	"	"	
			7:27	63° 59.34'	1° 13.86'	4425	7.9	2.5	4125	4500	"	.00	"	"	"	
			7:53	63° 59.47'	1° 14.98'	4150	5.5	125.0	3970	4305	"	.25	"	"	"	
14		17.4.86	8:03	63° 59.75'	1° 15.75'	4094	0.6	118.3	"	"	"	"	"	"	"	Leon van Heerden
			8:15	63° 59.82'	1° 17.10'	4101	0.6	128.4	"	"	"	"	"	"	"	
			8:53	64° 00.02'	1° 17.69' E	3908	1.8	133.3	3750	4125	0102/1002	.00	3	"	"	Δ trigger & delay. Δ delay flooding anchor occurred Δ trigger & delay Start Helix
			9:22	64° 00.40'	1° 18.98' E	3778	1.1	130.7	3585	3930	"	.25	"	"	"	
			10:20	64° 01.02'	1° 21.69'	3711	1.0	112.5	"	"	"	"	"	"	"	
			10:31	64° 01.43'	1° 22.30'	3621	5.7	211.3	3375	3750	012/102	.00	2	"	"	
			11:30	64° 06.33'	1° 14.84'	3607	2.3	216.5	"	"	"	"	"	"	"	
			12:00	64° 06.84'	1° 14.78'	3608	1.0	151	"	"	"	"	"	"	"	
			12:33	64° 06.47'	1° 15.79'	3600	0.5	90	"	"	"	"	"	"	"	
			13:05	64° 06.38'	1° 16.00'	3600	0.16	60.3	"	"	"	"	"	"	"	
			13:30	64° 06.23'	1° 16.43'	3600	0.5	69.1	"	"	"	"	"	"	"	
			14:00	64° 06.29'	1° 16.69'	3600	0.16	93.2	"	"	"	"	"	"	"	



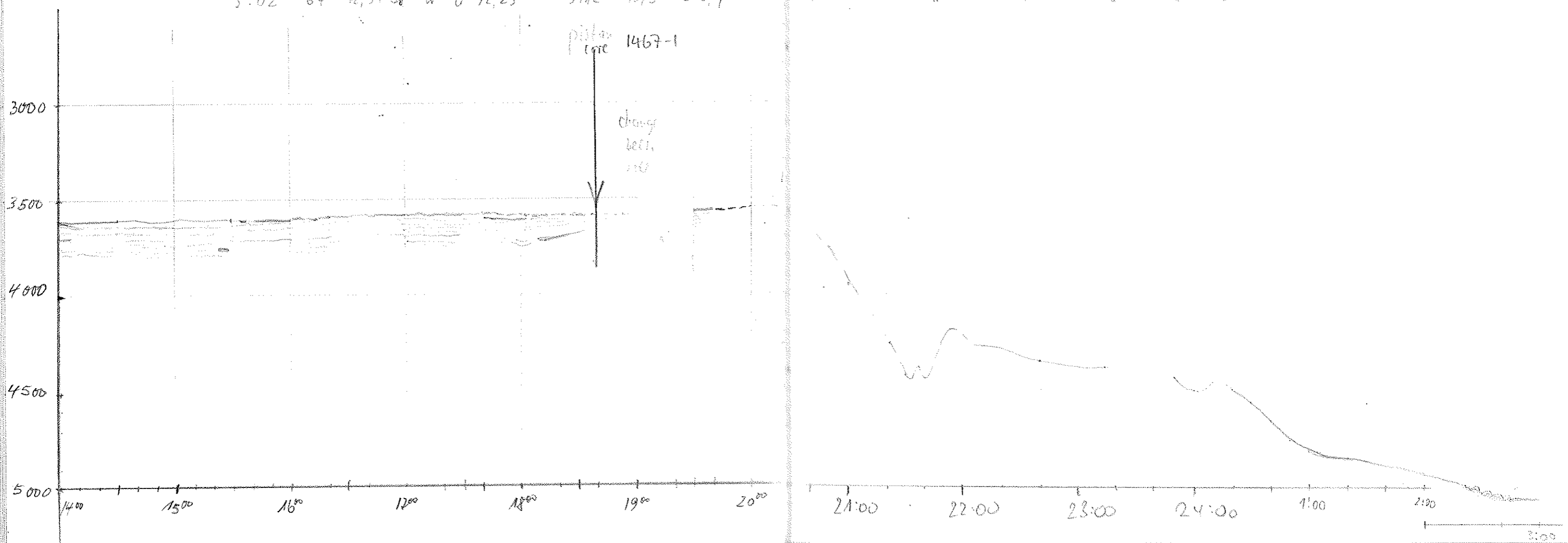
Prof.	Roll	Date	Time	Lat	Lon	Depth	Speed	Course	Puff	Rangy	Trigger	Delay	Sweep	Scan	Pulse	Remarks
Station	14	174.86	14:30	864°06'24" S	E1°17'11" E	3600	0.4	99.6	332	3750	012/102	.00	2	500	4	Station 08/649
"	"	"	15:00	64°06'13"	1°17'30"	3600	0.2	14.7	"	"	"	"	"	"	"	"
"	"	"	15:30	64°06'06"	1°17'52"	3590	0.5	75.5	"	"	"	"	"	"	"	"
"	"	"	16:00	64°06'13"	1°16'56"	3589	0.3	308.7	"	"	"	"	"	"	"	"
"	"	"	16:30	64°06'08"	1°16'54"	3587	0.5	32.8	"	"	"	"	"	"	"	"
"	"	"	17:00	64°06'07"	1°16'56"	3588	0.2	447.1	"	"	"	"	"	"	"	"
"	"	"	17:30	64°06'13"	1°17'19"	3554	0.5	94.4	"	"	"	"	"	"	"	"
"	"	"	18:00	64°06'16"	1°17'31"	3589	0.1	91.3	"	"	"	"	"	"	"	"
"	"	"	18:30	64°06'18"	1°17'40"	3581	0.1	37.4	"	"	"	"	"	"	"	"
"	"	"	18:49	64°06'51"	1°18'38"	3585	0.5	147.0	"	"	"	"	"	"	"	"
"	15	"	19:30	64°06'69"	01°16'58"	3570	0.3	137.2	"	"	"	"	"	"	"	"
"	"	"	20:00	64°06'49"	01°19'13"	3556	0.5	125.6	"	"	"	"	"	"	"	"
"	15	174.	20:24	64°06'85" S	E0°19'14"	3567	5.9	239	"	"	"	"	"	"	"	"
"	"	"	20:50	64°09'06" S	E01°10'32"	3762	10.7	233.2	3055	4930	0102/1002	.25	"	500	4	Begin Profile 1
"	"	"	21:03	64°10'42" S	E1°05'96"	3931	10.2	233.2	3750	4125	0102/1002	.0	"	500	4	"
"	"	"	21:22	64°12'04" S	E0°59'90"	4257	10.4	241.7	3930	4305	012/102	.25	"	"	"	"
"	"	"	21:30	64°12'65" S	E0°57'47"	4413	10.2	240.3	4125	4500	012/102	0	"	"	"	"
"	"	"	22:10	64°16'12" S	E0°44'47"	4286	9.8	234.3	"	"	"	"	"	"	"	"
"	"	"	22:42	64°19'03" S	E0°34'02"	4349	10.0	234.9	"	"	"	"	"	"	"	"
"	"	"	23:15	64°21'80" S	E0°23'51"	4386	10.1	238.0	"	"	"	"	"	"	"	"
"	"	"	23:57	64°25'67" S	E0°09'51"	4541	9.7	235.0	4500	4875	01000102/1001002	0	"	"	"	"
"	"	184.	0:17	64°27'37" S	E0°03'39"	4495	9.9	238.9	4725	4500	012102	.00	2	"	"	"
"	"	"	0:29	64°28'40" S	W0°00'65"	4608	10.3	239.9	4500	4875	01000102/1001002	.00	7	"	"	"
"	"	"	1:04	64°31'30" S	W0°11'59"	4860	9.8	236.6	"	"	"	"	"	"	"	"
"	"	"	1:27	64°33'60" S	W0°20'35"	4900	10.4	239.4	4600	5055	012102	.25	2	"	"	"
"	"	"	2:09	64°36'09" S	W0°32'03"	4984	10.2	235.8	"	"	"	"	"	"	"	"
"	"	"	2:25	64°39'22" S	W0°39'47"	5066	10.0	236.3	4875	5250	"	.00	"	"	"	"
"	"	"	3:02	64°42'34" S	W0°52'23"	5112	10.3	240.1	"	"	"	"	"	"	"	"

J. Fischer

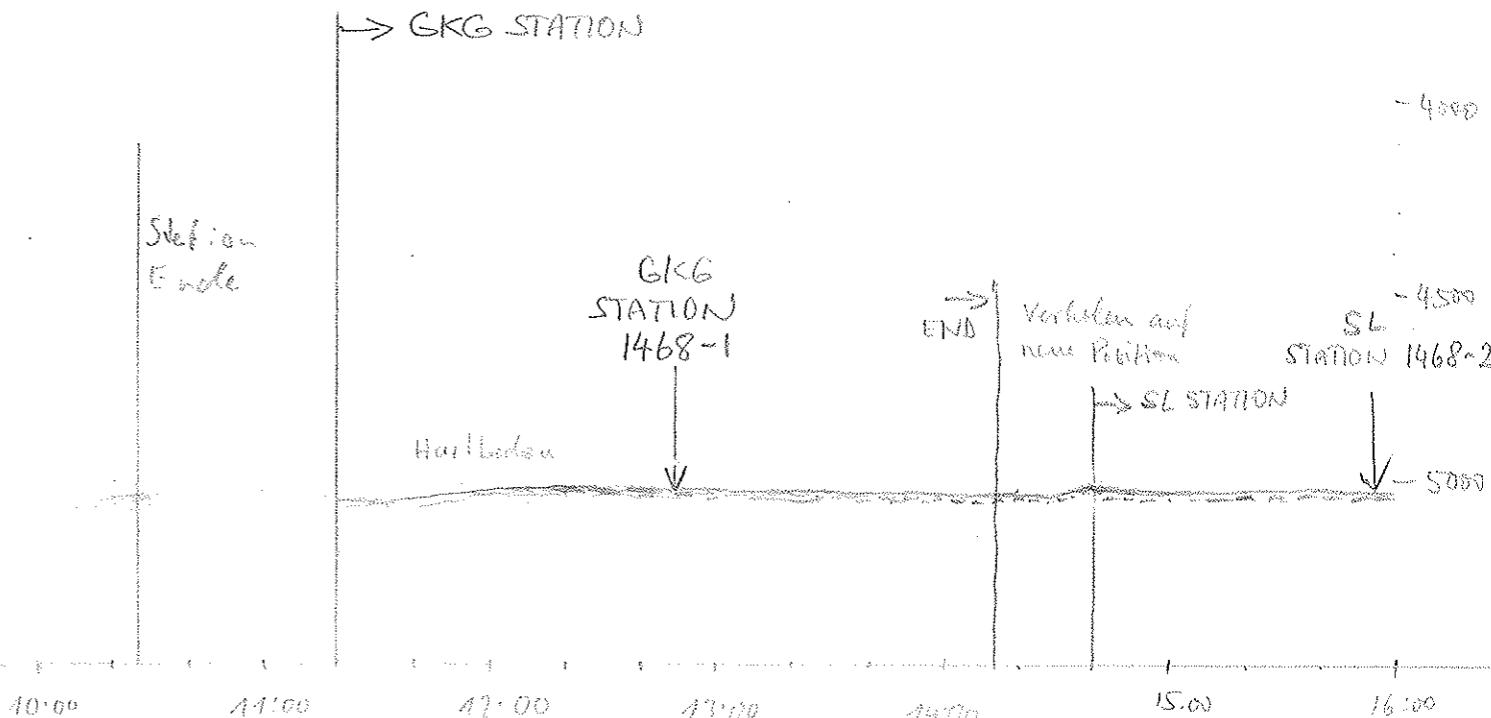
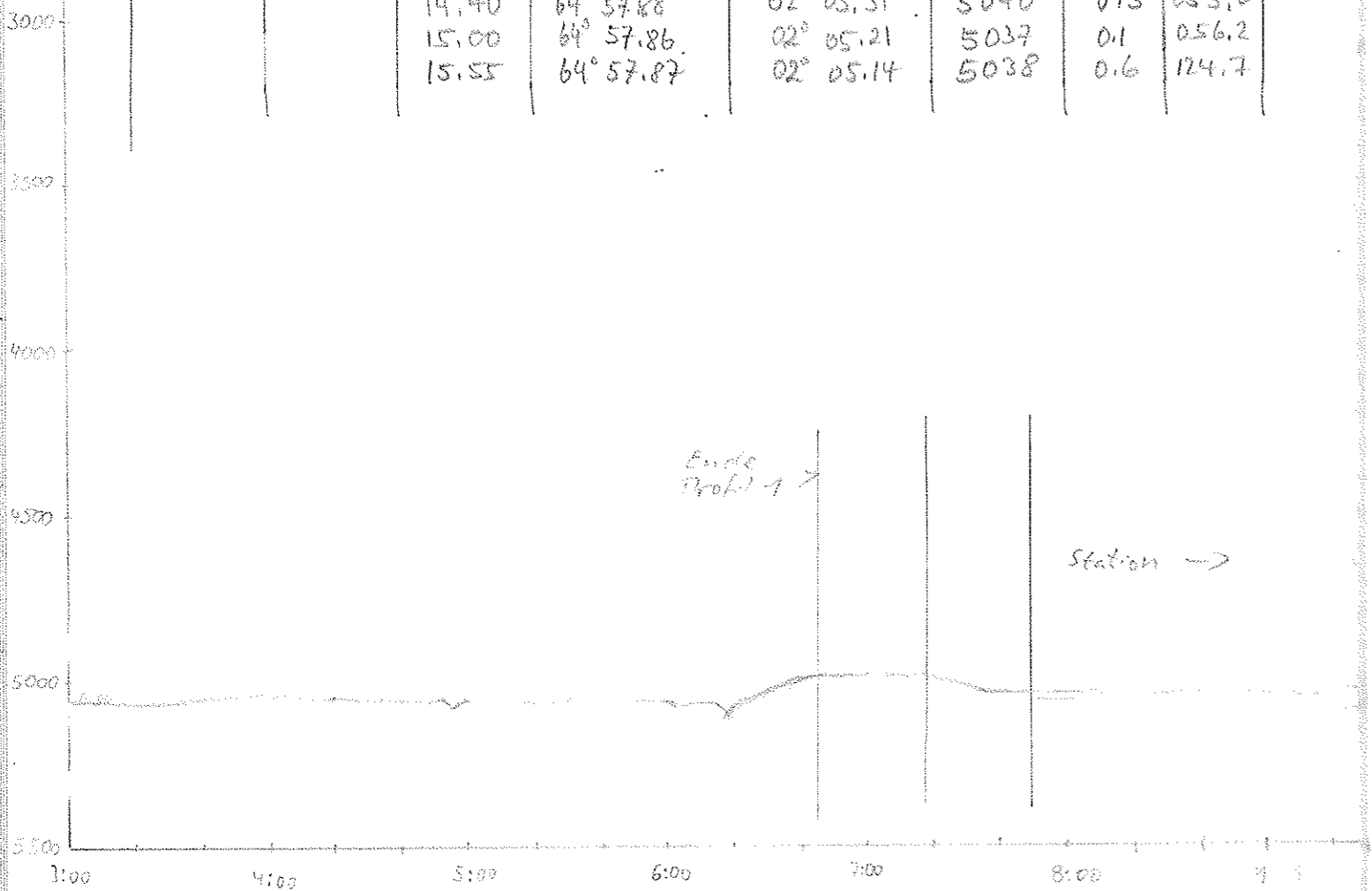
piston core!

piston core at bottom!!  
change belt!; change roll 1467-1

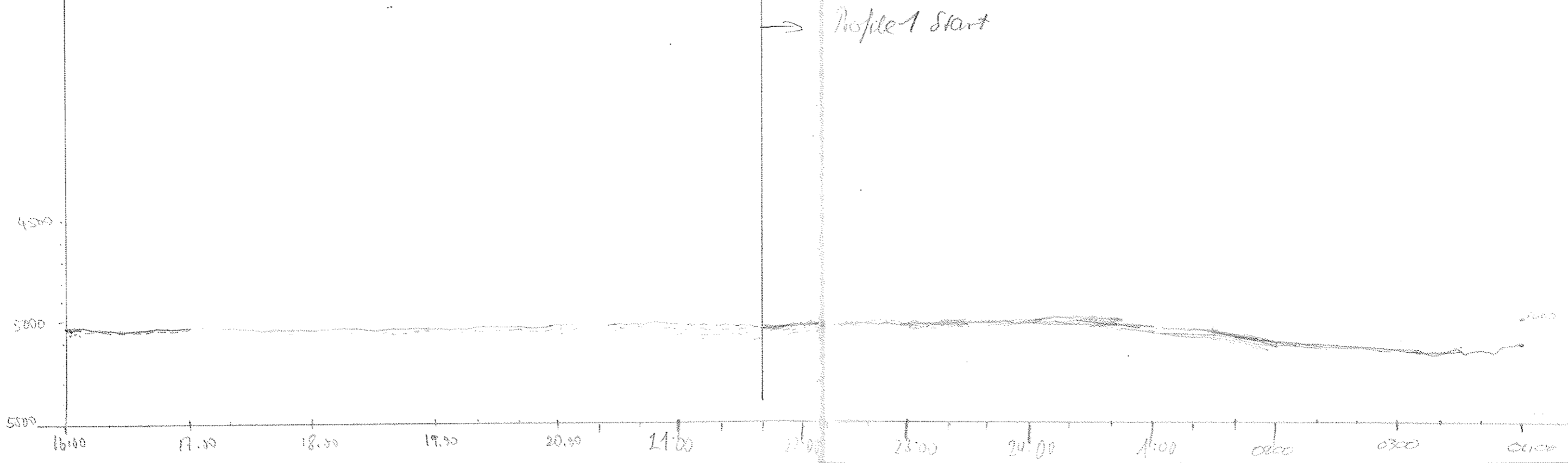
Begin Profile 1



Profile	Roll	Date	Time	Lat	Lon	Depth	Speed	Course	Depth	Range	Trigger	Delay	Sweep	Scan	Pulse	Remarks
1	15	18.4.86	3:02	S 64° 42.34'	W 0° 52.23'	5112	10.3	240.1	4875	5250	0.12/102	.00	2	500	4	
			3:30	S 64° 47.53'	W 1° 1.55'	5103	10.4	236.5	"	"	"	"	"	"	"	
			4:00	S 64° 47.22'	W 1° 11.55'	5088	10.5	238.5	"	"	"	"	"	"	"	
			4:30	S 64° 49.82'	W 1° 21.37'	5075	10.3	238.0	"	"	"	"	"	"	"	
			5:00	S 64° 52.57'	W 1° 32.03'	5100	10.2	235.3	"	"	"	"	"	"	"	
			5:30	S 64° 55.33'	W 1° 42.50'	5084	10.4	236.8	"	"	"	"	"	"	"	
			6:00	S 64° 57.94'	W 1° 52.06'	5093	9.2	236.6	"	"	"	"	"	"	"	
			6:30	S 65° 0.30'	W 2° 0.86'	5043	8.7	239.9	"	"	"	"	"	"	"	
1			6:45	S 65° 1.04'	W 2° 4.91'	5041	7.7	165.4	"	"	"	"	"	"	"	Ende Profil 1
			7:00	S 65° 2.25'	W 2° 11.30'	5009	8.7	126.8	"	"	"	"	"	"	"	Verankerung MANO 5 +
			7:08	S 65° 2.93'	W 1° 59.57'	5025	8.2	99.1	"	"	"	"	"	"	"	Zwischenlauf
			7:39	S 64° 59.51'	W 2° 0.17'	5066	9.5	353.0	"	"	"	"	"	"	"	Ende Profifahrt
			7:48	S 64° 56.97'	W 2° 1.00'	5075	7.1	330.1	"	"	"	"	"	"	"	Verankerungssituation
STATION			8:00	S 64° 57.15'	W 2° 1.47'	5058	7.8	782.3	"	"	"	"	"	"	"	
↓			8:34	S 64° 57.56'	W 2° 00.95'	5063	4.3	169.2	"	"	"	"	"	"	"	
			9:15	S 64° 58.34'	W 1° 59.89'	5069	0.5	192.1	"	"	"	"	"	"	"	
			10:02	S 64° 59.99'	W 1° 45.14'	5048	3.8	155.0	"	"	"	"	"	"	"	
			10:41	S 65° 00.83'	W 1° 45.85'	5047	0.6	375.6	"	"	"	"	"	"	"	
			11:11	S 64° 59.56'	W 2° 01.71'	5036	2.9	351.3	"	"	"	"	"	"	"	
			11:20	S 64° 58.28'	W 2° 04.91'	5038	5.3	305	"	"	"	"	"	"	"	Station KG
			11:32	S 64° 58.11'	W 2° 05.86'	5042	1.4	275	"	"	"	"	"	"	"	Kasten greift zu Wasser
			11:59	S 64° 57.82'	W 2° 03.17'	5043	0.5	55.5	"	"	"	"	"	"	"	
			12:30	64° 57.85	02° 05.73	5037	0.5	303.8	"	"	"	"	"	"	"	
GKG →			12:49	64° 57.90	02° 06.18	5039	0.8	305.3	"	"	"	"	"	"	"	GKG am Boden STATION 1468-1
			13:00	64° 57.81	02° 06.35	5042	0.5	296.9	"	"	"	"	"	"	"	
			13:30	64° 57.45	02° 04.67	5049	0.2	001.0	"	"	"	"	"	"	"	(GKG empty - hit rock)
			14:00	64° 57.77	02° 04.67	5046	0.3	007.9	"	"	"	"	"	"	"	Verhaken Schliff auf neue Position
			14:30	64° 57.79	02° 03.98	5048	2.5	234.1	"	"	"	"	"	"	"	SL zu Wasser
			14:40	64° 57.88	02° 05.31	5040	0.3	053.0	"	"	"	"	"	"	"	
			15:00	64° 57.86	02° 05.21	5037	0.1	056.2	"	"	"	"	"	"	"	
			15:55	64° 57.87	02° 05.14	5038	0.6	124.7	"	"	"	"	"	"	"	SL am Boden STATION 1468-2



PROFILE	ROLL	DATE	TIME	LAT	LONG	DEPTH	SPEED	COURSE	DEPTH RANGE	TRIGGER	DELAY	SWEEP	SCAN	PULSE	REMARKS	INITIALS	
SL STATION	15	18.04.86	16:31	S 64° 57' 75"	W 02° 04' 05"	5038	0.6	60.7	4875	012/102	0.00	2	500	4			
			17:01	S 64° 57' 82"	W 2° 04' 52"	5047	0.4	54.0	"	"	"	"	"	"	"		
			17:04	S 64° 57' 80"	W 2° 04' 47"	5041	0.3	350.5	"	"	"	"	"	"	"		17.04 Sl. at surface
			17:30	S 64° 57' 56"	W 2° 04' 05"	5050	0.7	6.5	"	"	"	"	"	"	"		CTD to water
			18:00	S 64° 57' 44"	W 2° 04' 58"	5047	0.7	63.0	"	"	"	"	"	"	"		
			18:29	S 64° 57' 38"	W 2° 04' 09"	5056	0.3	73.5	"	"	"	"	"	"	"		
			19:00	S 64° 57' 35"	W 2° 03' 25"	5057	0.9	135.3	"	"	"	"	"	"	"		
			19:30	S 64° 57' 35"	W 2° 02' 00"	5062	0.5	061.0	"	"	"	"	"	"	"		
			19:55	S 64° 57' 09"	W 2° 02' 37"	5055	0.7	89.6	"	"	"	"	"	"	"		
			20:00	S 64° 57' 08"	N 202° 24'	5057	0.7	90.7	"	"	"	"	"	"	"		
Station	15	18.4.86	20:30	S 64° 57' 14"	20184	5058	0.6	78.0	"	"	"	"	"	"			
			21:00	S 64° 57' 09"	20165	5059	0.5	70.0	"	"	"	"	"	"	"		
			21:30	S 64° 57' 09"	20084	5070	0.6	57.0	"	"	"	"	"	"	"		
			21:50	S 64° 57' 15"	020098	5065	4.2	282.6	"	"	"	"	"	"	"		Start profile 1 to measuring position Leon van Noord...
			22:00	S 64° 56' 86"	020385	5057	10.1	283.0	"	"	"	"	"	"	"		
			23:00	S 64° 55' 37"	022841	5017	14.0	279.7	"	"	"	"	"	"	"		
23:36	S 64° 54' 37"	024746	5055	11.0	279.6	"	"	"	"	"	"	"					
19/4/86 00:06	S 64° 53' 08"	025693	5053	10.4	279.8	"	"	"	"	"	"	"					
" 01:29	S 64° 51' 19"	032957W	5091	10.4	279.6	"	"	"	"	"	"	"					
" 02:05	S 64° 50' 09"	0341135W	5011	10.6	280.9	"	"	"	"	"	"	"					
" 03:11	S 64° 48' 05"	0410177W	5140	10.6	283.0	"	"	"	"	"	"	"					
" 04:00	S 64° 46' 26"	0430333W	5125	10.4	279.4	"	"	"	"	"	"	"					

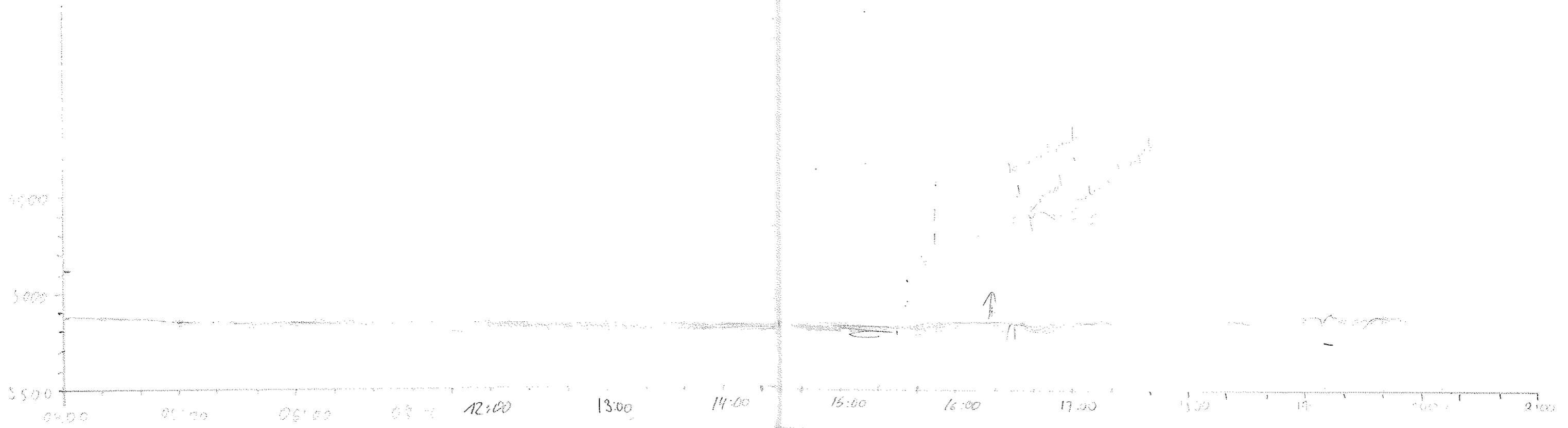




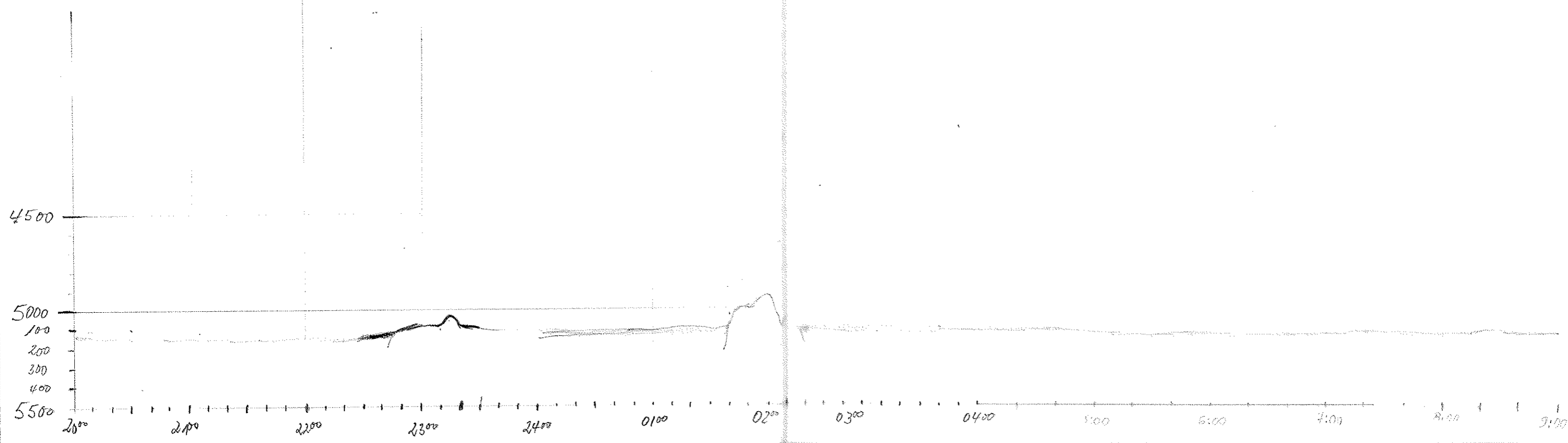
Profile	ROLL	DATE	TIME	LAT	LONG	Depth	Speed	Course	Depth	Range	Trigger	Delay	Sweep	Scan	Pulse	Remarks
1	15	19.4.86	04:00	64° 46.26' S	04° 30.33' W	5175	10.4	299.4	4895	5250	0.12/102	0.00	2	500	4	
1	15	19.4.86	04:57	64° 44.57	04° 53.12'	5149.0	10.4	280.1	"	"	"	"	"	"	"	
			05:26	64° 43.82	05° 04.44'	5150	10.3	285.7	"	"	"	"	"	"	"	
			05:52	64° 43.11	05° 15.26' W	5155	10.2	278.2	"	"	"	"	"	"	"	
			06:27	64° 42.02	05° 28.65' W	5142	10.5	276.7	"	"	"	"	"	"	"	
			07:05	64° 42.08	05° 43.80' W	5150	10.0	282.4	"	"	"	"	"	"	"	
			07:44	64° 39.47	05° 57.28' W	5153	9.6	280.6	"	"	"	"	"	"	"	
			8:00	64° 39.36' S	6° 5.86' W	5154	12.8	278.4	"	"	"	"	"	"	"	
			8:30	64° 38.42' S	6° 20.75' W	5155	13.0	277.8	"	"	"	"	"	"	"	
			9:00	64° 37.49' S	6° 36.48' W	5163	12.8	278.0	"	"	"	"	"	"	"	
			9:30	64° 36.55' S	6° 57.13' W	5181	13.0	278.9	"	"	"	"	"	"	"	
			10:00	64° 35.77' S	7° 5.33' W	5179	12.9	280.8	"	"	"	"	"	"	"	
			10:30	64° 34.56' S	7° 20.59' W	5160	13.1	283.4	"	"	"	"	"	"	"	
			11:00	64° 34.00' S	7° 34.78' W	5155	12.7	284.0	"	"	"	"	"	"	"	
			11:30	64° 31.67' S	7° 49.15' W	5155	12.8	282.7	"	"	"	"	"	"	"	
			12:00	64° 30.35' S	8° 3.20' W	5157	11.6	279.9	"	"	"	"	"	"	"	
			12:32	64° 29.22	8° 18.08' W	5156	12.5	280.2	"	"	"	"	"	"	"	
			13:01	64° 28.18' S	8° 31.95' W	5169	12.5	278.1	"	"	"	"	"	"	"	
			13:32	64° 27.36' S	8° 46.24' W	5159	12.5	275.8	"	"	"	"	"	"	"	
			14:09	64° 26.54' S	9° 04.43' W	5148	12.9	279.1	"	"	"	"	"	"	"	
			14:30	64° 25.62' S	9° 14.39' W	5149	12.4	280.3	"	"	"	"	"	"	"	
			15:00	64° 25.08' S	9° 27.35' W	5148	12	278.9	"	"	"	"	"	"	"	
			15:30	64° 24.21' S	9° 41.35' W	5153	12.2	276.8	"	"	"	"	"	"	"	
			16:00	64° 23.04' S	9° 55.55' W	5161	12.4	279.4	"	"	"	"	"	"	"	
			16:30	64° 21.97' S	10° 09.62' W	5139	12.2	281.1	"	"	"	"	"	"	"	
			17:00	64° 20.70' S	10° 22.91' W	5149	12.2	282.7	"	"	"	"	"	"	"	
			17:30	64° 19.42' S	10° 36.12' W	5148	12.3	281.0	"	"	"	"	"	"	"	
			18:00	64° 18.17' S	10° 49.24' W	5149	11.9	280.5	"	"	"	"	"	"	"	
			18:30	64° 16.92' S	11° 02.36' W	5165	10.1	279.7	"	"	"	"	"	"	"	
			19:00	64° 15.67' S	11° 15.48' W	5145	9.7	278.5	"	"	"	"	"	"	"	
			19:30	64° 14.42' S	11° 28.60' W	5148	9.7	277.2	"	"	"	"	"	"	"	
			20:00	64° 13.17' S	11° 41.72' W	5141	9.2	276.6	"	"	"	"	"	"	"	

high

low still



Lat	Lon	Time	Lat	Long	Dip	Count	Count	Lat	Long	Trigger	Delay	Sweep	Scan	Pulse	Remarks
15	19.4.86	20:30	64° 12.97	118° 44.34	5143	8.8	281.9	11875	5250	012/102	0.00	2	500	1	2040 news Patit sea beam paper
"	"	21:00	64° 12.34	111° 55.08	5144	9.1	281.7	"	"	"	"	"	"	"	"
"	"	21:30	64° 11.67	112° 05.07	5153	9.0	283.7	"	"	"	"	"	"	"	"
"	"	22:00	64° 11.18	112° 14.89	5143	8.7	277.9	"	"	"	"	"	"	"	At 22:00 New Roll f. 35 400
"	"	22:30	64° 10.33	112° 25.07	5148	9.1	279.1	"	"	"	"	"	"	"	Roll No 16
"	"	23:00	64° 09.72	112° 35.31	5125	8.9	279.5	"	"	"	"	"	"	"	"
"	"	23:32	64° 09.02	112° 45.88	5134	8.7	283.8	"	"	"	"	"	"	"	23 15 signific. peak
"	"	24:00	64° 08.32	112° 55.41	5142	8.9	278.7	"	"	"	"	"	"	"	Course
	20.4.86	1:00	64° 06.62' S	113° 16.77' W	5134	9.5	277.9	"	"	"	"	"	"	"	"
		1:30	64° 06.01' S	113° 25.98' W	5131	9.4	276.4	"	"	"	"	"	"	"	"
		2:00	64° 05.33' S	113° 36.45' W	4967	9.3	275.5	"	"	"	"	"	"	"	"
		2:30	64° 04.79' S	113° 46.63' W	5113	9.0	274.6	"	"	"	"	"	"	"	"
		3:00	64° 04.03' S	113° 57.66' W	5131	9.3	281.5	"	"	"	"	"	"	"	"
		3:29	64° 03.09' S	114° 07.77' W	5125	9.2	285.6	"	"	"	"	"	"	"	"
		4:00	64° 02.31' S	114° 18.64' W	5121	9.7	273.8	"	"	"	"	"	"	"	"
		4:30	64° 01.89' S	114° 29.27' W	5125	8.7	282.0	"	"	"	"	"	"	"	"
		5:00	64° 01.59' S	114° 39.13' W	5121	9.1	277.9	"	"	"	"	"	"	"	"
		5:32	63° 59.97' S	114° 50.91' W	5111	8.9	281.0	"	"	"	"	"	"	"	"
		6:00	63° 58.92' S	115° 01.69' W	5113	9.2	286.1	"	"	"	"	"	"	"	"
		6:30	63° 58.06' S	115° 09.76' W	5143	9.2	281.8	"	"	"	"	"	"	"	"
		7:00	63° 57.58' S	115° 19.49' W	5129	9.0	280.4	"	"	"	"	"	"	"	"
		7:30	63° 56.79' S	115° 29.84' W	5120	9.0	271.6	"	"	"	"	"	"	"	"
		8:02	63° 57.86' S	115° 39.02' W	5132	8.3	275.6	"	"	"	"	"	"	"	"
		8:30	63° 57.29' S	115° 47.61' W	5106	8.0	282.5	"	"	"	"	"	"	"	"
		9:00	63° 55.31	115° 57.85	5119	9.7	280.7	"	"	"	"	"	"	"	"

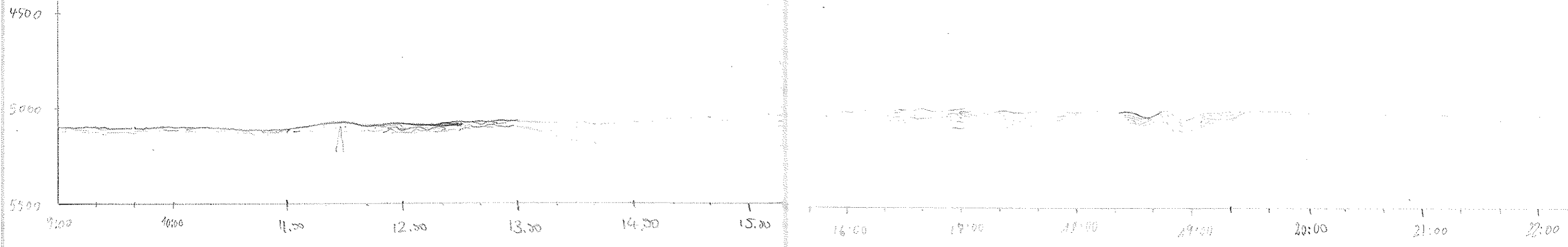


BH

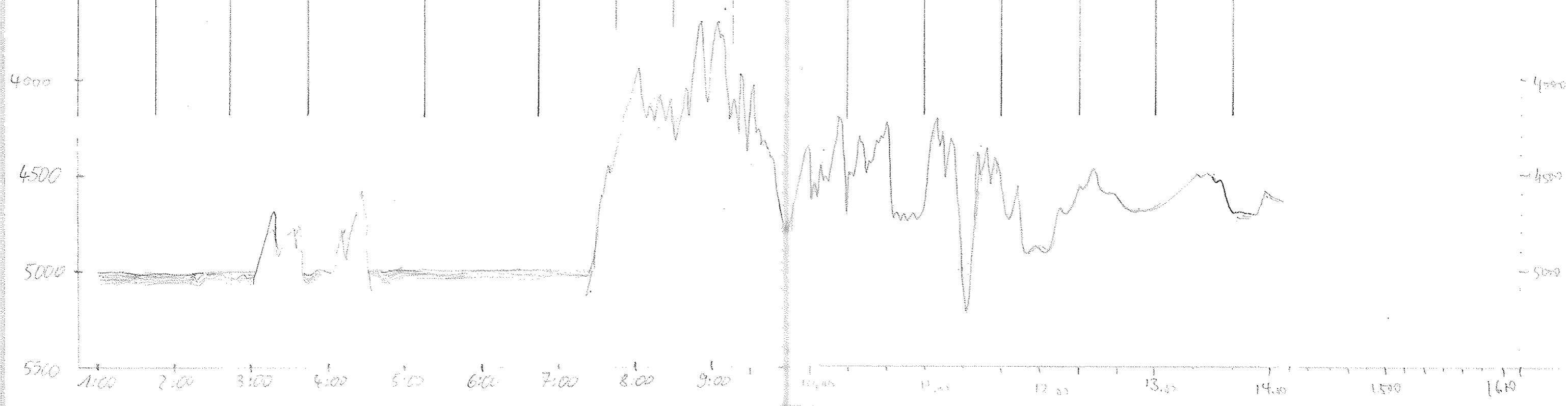
Profile	Roll	Date	Time	Lat	Lon	Depth	Speed	Course	Depth-Range	Trigger	Delay	Sweep	Scan	Pulse	Remarks	
1	16	20.04.86	09.42	63° 52.27	16° 14.82	5129	11.6	289.8	4875	5250	012/102	0.00	2	500	1	
			10.00	63° 50.92	16° 20.81	5129	11.0	289.2	"	"	"	"	"	"	"	
			10.40	63° 49.50	16° 37.15	5125	11.1	274.1	"	"	"	"	"	"	"	
			11.00	63° 49.04	16° 44.43	5112	10.8	278.2	"	"	"	"	"	"	"	
			11.30	63° 48.44	16° 56.62	5082	10.7	264.6	"	"	"	"	"	"	"	
			12.00	63° 48.61	17° 08.63	5075	10.7	280.5	"	"	"	"	"	"	"	
			12.30	63° 47.78	17° 20.68	5074	11.1	276.8	"	"	"	"	"	"	"	
			13.00	63° 46.58	17° 33.71	5070	11.4	278.2	"	"	"	"	"	"	"	
			13.30	63° 45.83 S	17° 46.32 W	5077	11.0	280.8	"	"	"	"	"	"	"	
			14.00	63° 44.92 S	17° 59.15 W	5060	11.5	274.9	"	"	"	"	"	"	"	
			14.39	63° 43.76 S	18° 13.24 W	5044	11.0	272.8	"	"	"	"	"	"	"	
			15.00	63° 43.52 S	18° 27.25 W	5055	10.1	273.8	"	"	"	"	"	"	"	
			15.38	63° 42.70 S	18° 40.10 W	5042	13.4	281.2	"	"	"	"	"	"	"	
			16.00	63° 41.82 S	18° 50.66 W	5025	13.4	280.3	"	"	"	"	"	"	"	
			16.30	63° 40.36 S	19° 04.70 W	4999	11.8	281.6	"	"	"	"	"	"	"	
			17.02	63° 38.88 S	19° 20.95 W	4998	13.6	281.3	"	"	"	"	"	"	"	
			17.30	63° 37.66 S	19° 34.18 W	4993	13.8	281.4	"	"	"	"	"	"	"	
			18.00	63° 36.27 S	19° 49.70 W	4979	14.0	279.3	"	"	"	"	"	"	"	
			18.32	63° 35.56 S	20° 04.71 W	5003	13.6	279.7	"	"	"	"	"	"	"	
			19.02	63° 35.19 S	20° 20.12 W	5003	13.6	273.5	"	"	"	"	"	"	"	
			19.30	63° 34.43 S	20° 32.82 W	5061	11.4	272.7	"	"	"	"	"	"	"	
			20.00	63° 32.50 S	20° 46.27 W	5053	11.6	272.8	"	"	"	"	"	"	"	
			20.30	63° 31.68 S	20° 55.63 W	5022	10.8	272.1	"	"	"	"	"	"	"	
			21.00	63° 31.45 S	21° 07.33 W	5009	10.6	273.3	"	"	"	"	"	"	"	
			21.30	63° 31.09 S	21° 19.42 W	4991	10.7	280.7	"	"	"	"	"	"	"	
			22.00	63° 28.33 S	21° 31.53 W	4997	11.0	281.6	"	"	"	"	"	"	"	
			22.35	63° 26.48 S	21° 43.49 W	5041	11.2	278.5	"	"	"	"	"	"	"	
			22.59	63° 24.86 S	21° 54.66 W	5034	11.2	292.7	"	"	"	"	"	"	"	
			23.33	63° 23.12 S	22° 07.83 W	5013	11.0	280.9	"	"	"	"	"	"	"	
		21.4.86	00.29	63° 24.22 S	22° 22.91 W	5016	11.6	276.3	"	"	"	"	"	"	"	
			01.00	63° 23.35 S	22° 47.09 W	4999	11.7	276.8	"	"	"	"	"	"	"	

cleaned stylus belt

BWJ



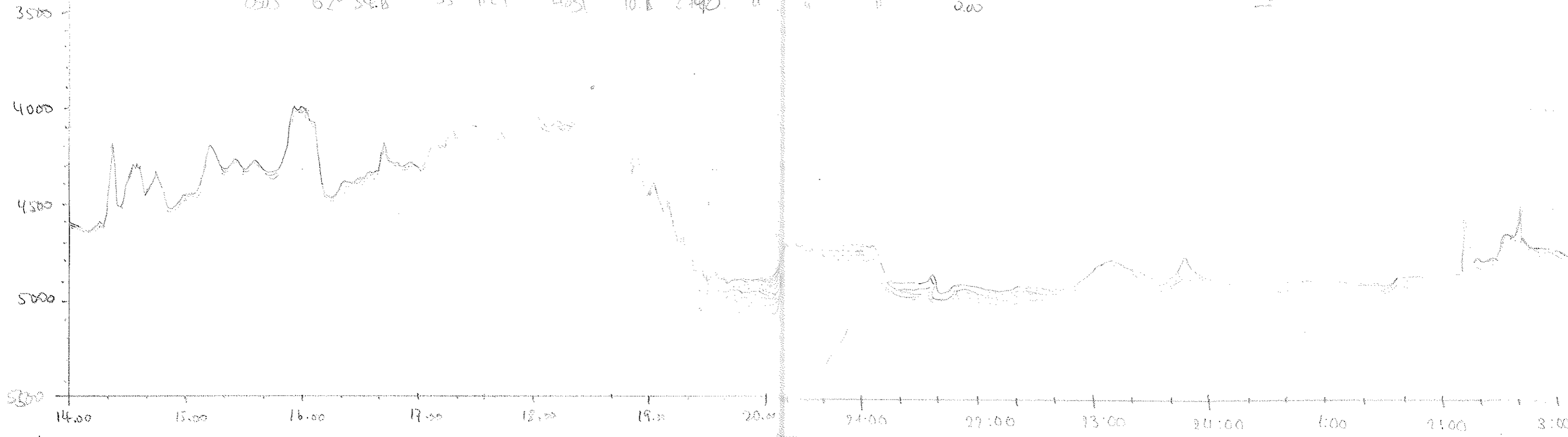
Profile	Roll	Date	Time	Lat	Lon	Depth	Speed	Course	Depth	Range	Trigger	Delay	Sweep	Scan	Pulse	Remarks
1	16	21.4.86	1:30	63° 22.65' S	22° 57.99' W	5011	10.8	281.6	4875	5250	012/102	0.00	2	500	1	
			2:00	63° 21.78' S	23° 09.82' W	5005	10.9	281.1	"	"	"	"	"	"	"	
			2:30	63° 20.64' S	23° 22.05' W	5042	11.2	281.1	"	"	"	"	"	"	"	
			3:00	63° 19.65' S	23° 33.83' W	5044	10.8	280.1	"	"	"	"	"	"	"	
			3:30	63° 18.73' S	23° 46.59' W	4969	11.3	279.6	"	"	"	"	"	"	"	
			4:00	63° 17.73' S	23° 58.70' W	5003	11.1	281.3	"	"	"	"	"	"	"	
			4:30	63° 16.77' S	24° 10.94' W	5022	11.3	281.0	"	"	"	"	"	"	"	
			5:03	63° 15.62' S	24° 24.16' W	5004	11.1	284.3	"	"	"	"	"	"	"	
			5:30	63° 13.64' S	24° 34.13' W	5010	11.3	275.1	"	"	"	"	"	"	"	
			6:00	63° 12.25' S	24° 46.30' W	5033	11.2	279.0	"	"	"	"	"	"	"	
			6:25	63° 11.47' S	24° 56.72' W	5049	11.5	275.2	"	"	"	"	"	"	"	
			7:03	63° 10.83' S	25° 12.66' W	5057	11.3	273.0	"	"	"	"	"	"	"	
			7:35	63° 10.25' S	25° 25.95' W	4961	11.3	274.5	4680	5055	"	0.25	"	"	"	
			7:50	63° 9.97' S	25° 32.40' W	4368	11.3	275.4	4125	4500	"	0.00	"	"	"	
			8:06	63° 9.73' S	25° 38.88' W	4259	11.4	272.3	3930	4305	"	0.25	"	"	"	
			8:38	63° 8.77' S	25° 51.16' W	4290	11.3	272.4	4125	4500	"	0.00	"	"	"	
			8:48	63° 8.57' S	25° 56.32' W	3990	12.6	272.8	3930	4305	"	0.25	"	"	"	
			8:58	63° 8.14' S	26° 1.04' W	4140	12.3	279.6	3950	4315	0101/1002	0.00	3	"	"	range change
			9:15	62° 59.53' S	26° 09.08' W	4301	12.4	282	4125	4500	012/102	0.11	2	"	"	
			9:33	62° 57.16' S	26° 15.02' W	4203	12.1	280	"	"	"	"	"	"	"	
			9:40	62° 56.91' S	26° 16.33' W	4182	12.1	273.3	4205	4500	0100101/1001002	0.15	7	"	"	range change
			9:57	62° 56.52' S	26° 18.45' W	4128	11.5	279.2	4300	4500	"	0.20	"	"	"	
			10:22	62° 55.82' S	26° 21.12' W	4147	11.5	279.1	4300	4500	"	0.15	"	"	"	
			10:08	62° 55.82' S	26° 21.12' W	4147	11.5	279.1	4300	4500	"	0.15	"	"	"	
			10:46	62° 55.82' S	26° 21.12' W	4147	11.5	279.1	4300	4500	"	0.15	"	"	"	
			10:20	62° 55.82' S	26° 21.12' W	4147	11.5	279.1	4300	4500	"	0.15	"	"	"	
			10:40	62° 55.82' S	26° 21.12' W	4147	11.5	279.1	4300	4500	"	0.15	"	"	"	
			11:03	62° 55.82' S	26° 21.12' W	4147	11.5	279.1	4300	4500	012/102	0.25	2	"	"	range change
			11:15	62° 55.82' S	26° 21.12' W	4147	11.5	279.1	4300	4500	"	0.20	"	"	"	
			11:27	62° 55.82' S	26° 21.12' W	4147	11.5	279.1	4300	4500	0100101/1001002	0.25	7	"	"	
			11:35	62° 55.82' S	26° 21.12' W	4147	11.5	279.1	4300	4500	"	0.25	"	"	"	
			11:55	62° 55.82' S	26° 21.12' W	4147	11.5	279.1	4300	4500	"	0.25	"	"	"	
			12:20	62° 55.82' S	26° 21.12' W	4147	11.5	279.1	4300	4500	"	0.25	"	"	"	
			12:40	62° 55.82' S	26° 21.12' W	4147	11.5	279.1	4300	4500	"	0.25	"	"	"	
			13:27	62° 55.99' S	27° 56.69' W	4563	12.2	280.9	4305	4680	"	0.25	7	"	"	change range
			13:35	62° 58.69' S	28° 00.25' W	4352	12.3	281.4	4500	4875	"	0.00	"	"	4	and Pulse



change range and Pulse

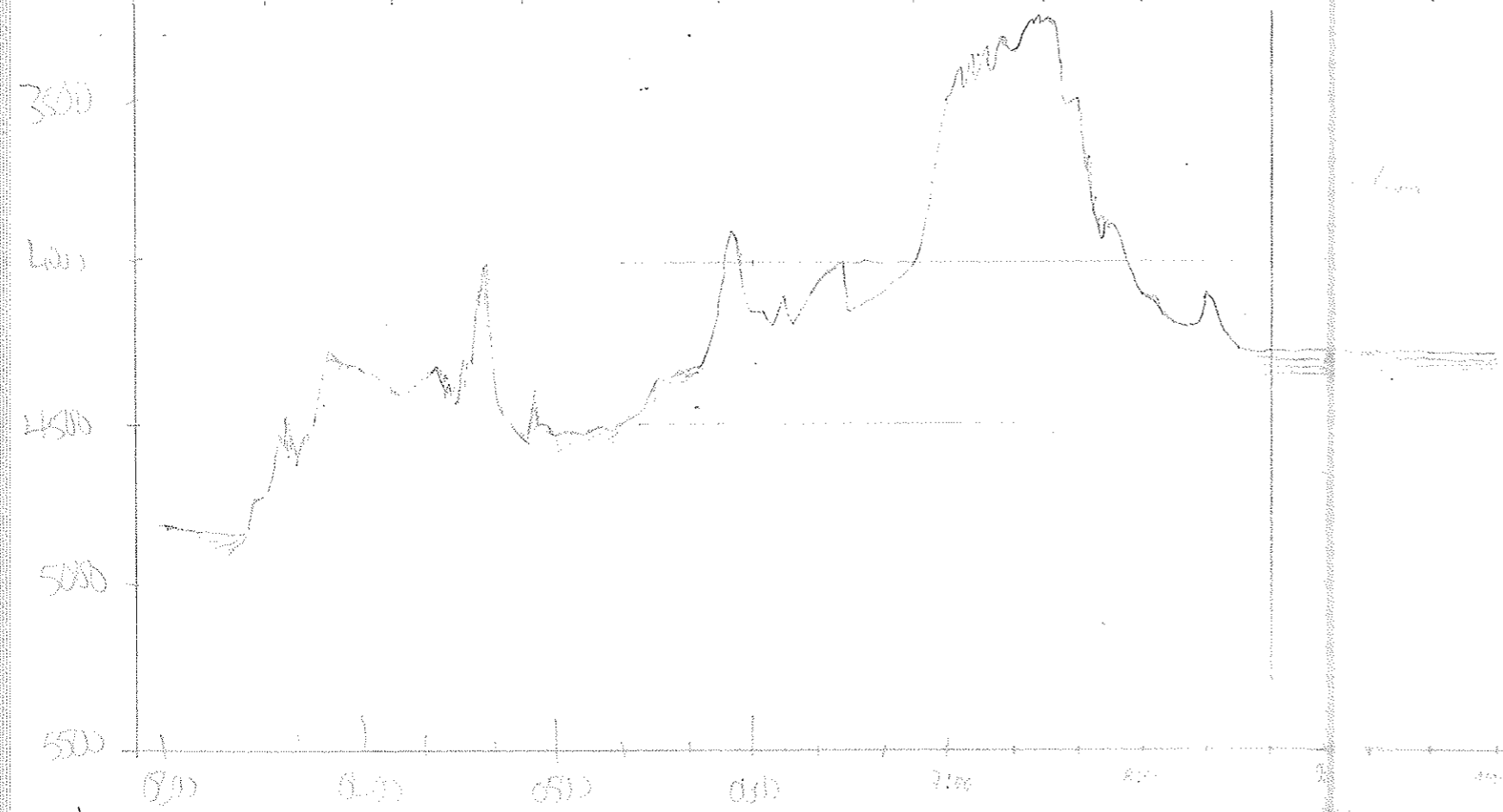
RM

Profile	Roll	Date	Time	Lat	Long.	Depth	Speed	Course	Depth	Range	Triax	Delay	Sweep	Scan	Pulse	Remarks			
1	16	21.04.86	14.01	62° 57.76	28° 11.86 W	4632	12.0	280.5	4500	4875	0100102/ 10010002	0.00	7	500	1	aligned stylus bolt			
			14.20	62° 57.40	28° 20.37	4343	12.0	281.3	4305	4680	"	"	0.25	"	"	"	change Range		
			14.36	62° 56.77	28° 26.80	4344	12.0	283.0	4125	4500	012/102	"	0.00	2	"	"	"		
			15.00	62° 55.79	28° 37.02	4461	11.8	282.5	"	"	"	"	"	"	"	"	"	"	
			15.34	62° 54.56	28° 51.04	4332	11.6	279.1	"	"	"	"	"	"	"	"	"	"	
			15.47	62° 54.14	28° 56.60	4161	11.6	279.4	3930	4305	"	"	0.25	"	"	"	"	change Range	
			16.12	62° 53.25	29° 06.76	4386	11.1	281.1	4125	4500	"	"	0.00	"	"	"	"	"	
			16.40	62° 52.48	29° 17.74	4344	11.1	279.3	"	"	"	"	"	"	"	"	"	"	
			17.00	62° 51.58	29° 26.16	4343	11.3	281.2	"	"	"	"	"	"	"	"	"	"	
			17.20	62° 50.76	29° 36.41	4132	11.3	278.2	3930	4305	"	"	0.25	"	"	"	"	"	
			18.02	62° 49.69	29° 51.42	4100	11.0	278.1	"	"	"	"	"	"	"	"	"	"	
			18.36	62° 48.95	30° 04.81 W	3969	10.9	279.2	3950	4125	0102/1001	"	0.66	2	"	"	"	"	
			18.50	62° 48.33	30° 10.46 W	4310	11.3	280.5	4125	4500	012/102	"	0.00	3	"	"	1.0	18:50 - 18:56 Synchronisation interval	
			18.56	62° 48.14	30° 12.72 W	4253	11.2	280.4	4125	4500	012/102	"	0.00	3	"	"	"	"	
			19.00	62° 48.07	30° 14.34	4452	11.0	279.2	"	"	"	"	"	"	"	"	"	"	
			19.18	62° 47.97	30° 21.76	4563	11.1	279.6	4305	4680	01000102/ 010010002	"	0.25	7	"	"	"	"	
			19.30	62° 47.60 S	30° 26.74 W	4884	11.1	278.9	4680	5055	012/102	"	0.25	or 2	"	"	"	"	
			20.02	62° 47.14 S	30° 38.99 W	4888	10.6	278.9	"	"	"	"	"	"	"	"	"	"	
			20.32	62° 46.10 S	30° 50.47 W	4765	11.1	283.2	"	"	"	"	"	"	"	"	"	"	
			20.56	62° 45.11 S	31° 00.05 W	4756	10.9	283.3	"	"	"	"	"	"	"	"	"	"	
			21.30	62° 43.62 S	31° 11.74 W	4906	10.3	282.3	"	"	"	"	"	"	"	"	"	"	
			21.55	62° 42.73 S	31° 20.96 W	4921	10.1	282.6	"	"	"	"	"	"	"	"	"	"	
			22.25	62° 41.79 S	31° 31.42 W	4924	10.3	285.6	"	"	"	"	"	"	"	"	"	"	
			22.54	62° 41.14 S	31° 42.16 W	4890	10.3	284.8	"	"	"	"	"	"	"	"	"	"	
			23.30	62° 39.45 S	31° 55.01 W	4885	10.2	284.9	"	"	"	"	"	"	"	"	"	"	
1	17	22.06.86	00.09	62° 38.54 S	32° 09.32 W	4936	10.0	286.9	"	"	"	"	"	"	"	"	New Polle Stammha Large current tank to port side !!! Large cable Diffuse signal (echo) Large wave cable		
			00.49	62° 37.43 S	32° 24.72 W	4927	10.1	286.1	"	"	"	"	"	"	"	"			
			01.20	62° 36.75 S	32° 35.12 W	4933	10.1	286.2	"	"	"	"	"	"	"	"			
			02.00	62° 35.71 S	32° 49.95 W	4877	10.6	285.9	"	"	"	"	"	"	"	"			
			02.13	62° 35.31 S	32° 54.75 W	4931	10.2	285.9	"	"	"	"	"	"	"	"			
			02.25	62° 35.00	32° 58.92	4798	10.0	286.6	4500	4875	01000102/ 10010002	"	0.00	"	"	"		"	
			02.30	62° 34.90	33° 00.44	4898	10.1	285.6	"	"	"	"	"	"	"	"		"	
			02.41	62° 34.63	33° 01.69	4625	09.7	275.3	4305	4875	"	"	0.25	"	"	"		"	
			02.42							4875	4875	"	"	"	"	"		"	"
			03.00	62° 34.18	33° 11.29	4831	10.8	279.0	"	"	"	"	0.00	"	"	"		"	

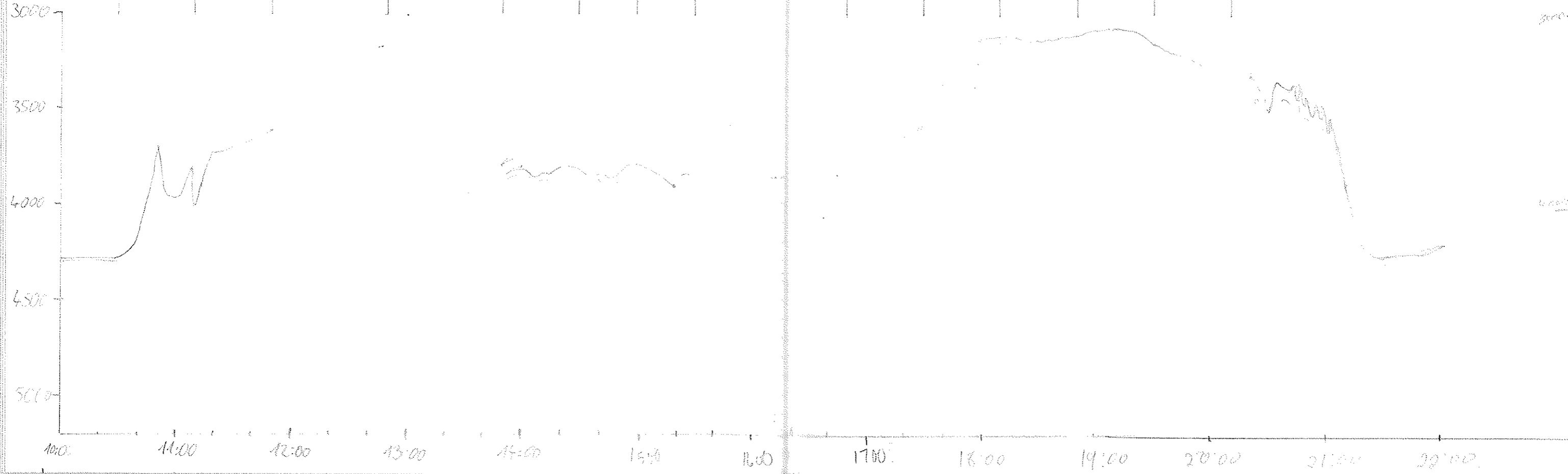




Profile	Roll	Date	Time	Lat	Long	Depth	Speed	Course	Depth	Range	Trigger	Delay	Sweep	Scan	Pulse	Remarks
1	17	22/4/86	03:18	S 62° 33.66'	W 33° 17.64'	4858	99	279.8	4680	1155	012-102	0.25	2	500	10	Change (b.m.) scale
			03:25	S 62° 33.80'	W 33° 20.10'	4772	104	272.4	4505	1160	down 102 / 101 up 102	"	"	"	"	Change scale
			03:26	S 62° 33.47'	W 33° 21.04'	4786	104	278.4	4680	1155	012-102	0.25	"	"	"	Change scale
			03:32	S 62° 33.37'	W 33° 22.48'	4671	109.6	277.0	4520	1185	down 102 / 101 up 102	0.00	"	"	"	Change scale
			03:34	S 62° 33.33'	W 33° 23.48'	4545	99	274.6	4305	1160	"	0.25	"	"	"	Change (delay) scale MAIN SIDE ECHO
			03:47	S 62° 32.91'	W 33° 27.63'	4824	101	284.0	4125	1150	012-102	0.40	"	"	"	Change scale
			04:00	S 62° 32.40'	W 33° 32.18'	4572	99	281.0	4175	1130	"	"	"	"	"	
			04:30	S 62° 31.44'	W 33° 43.36'	4326	104	279.1	4125	1130	"	"	"	"	"	
			04:47	S 62° 31.01'	W 33° 49.69'	4515	9.1	278.1	4500	1175	down 102 / 101 up 102	0.00	"	"	"	Change (range) scale
			04:54	S 62° 30.82'	W 33° 52.20'	4524	10.3	281.0	4305	1160	"	0.25	"	"	"	Change (delay) scale
			05:00	S 62° 30.67'	W 33° 54.05'	4557	10.	281.5	"	"	"	"	"	"	"	
			05:30	S 62° 29.82'	W 34° 04.36'	4484	9.3	280.8	"	"	"	"	"	"	"	
			05:40	S 62° 29.62'	W 34° 08.08'	4357	9.5	280.6	4125	1130	012-102	0.00	"	"	"	Change scale
			05:53	S 62° 29.42'	W 34° 13.00'	4035	9.3	278.5	3700	1155	down 102 / 101 up 102	0.00	3	"	"	
			06:01	S 62° 29.02'	W 34° 15.04'	4452	9.4	279.6	3970	1155	012-102	0.25	2	"	"	
			06:10	S 62° 28.82'	W 34° 19.78'	4524	9.3	277.6	"	"	"	"	"	"	"	
			06:54	S 62° 27.42'	W 34° 32.20'	3806	7.5	281.6	3700	1155	down 102 / 101 up 102	0.00	3	"	"	
			07:00	S 62° 27.22'	W 34° 34.11'	3830	8.0	280.6	3725	1150	down 102 / 101 up 102	0.00	2	"	"	
			07:18	S 62° 26.82'	W 34° 37.41'	3748	7.6	279.3	3700	1155	"	0.25	"	"	"	
			07:27	S 62° 26.72'	W 34° 42.29'	3290	6.5	280.5	"	"	"	"	"	"	"	
			07:36	S 62° 26.08'	W 34° 45.85'	3920	6.2	282.7	3325	1150	"	0.00	"	"	"	
			07:53	S 62° 26.02'	W 34° 46.54'	3966	5.0	289.8	3750	1125	down 102 / 101 up 102	0.00	3	"	"	under the surface
			7:56	S 62° 26.44'	W 34° 44.15'	3822	7.2	273.3	3930	1125	012-102	0.25	2	"	"	
			8:28	S 62° 25.82'	W 34° 44.66'	4250	5.2	309.7	4125	1100	"	0.00	"	"	"	
			8:36	S 62° 24.92'	W 34° 52.47'	4280	/	246.9	"	"	"	"	"	"	"	Stop!
			9:00	S 62° 25.63'	W 34° 52.61'	4288	/	228.9	"	"	"	"	"	"	"	
			9:23	S 62° 24.90'	W 34° 52.50'	4276	/	85.6	"	"	"	"	"	"	"	SL - good 1469 / -
			10:00	62° 25.02' S	34° 52.31' W	4274	/	53.1	"	"	"	"	"	"	"	
			10:21	62° 25.08' S	34° 52.42' W	4286	/	9.6	"	"	"	"	"	"	"	SL aus dem Wasser



Profile	Roll	Date	Time	Lat	Lon	Depth	Speed	Course	Depth - Change	Trigger	Delay	Sweep	Scan	Pulse	Remarks					
2	17	22.4.86	10:40	62° 25.23' S	34° 52.57' W	4282	/	163.6	4125	100	012/102	0.00	2	500	1	CTD zu Wasser				
			11:00	62° 25.38' S	34° 52.25' W	4316	/	199.7	"	"	"	"	"	"	"	"				
			11:27	62° 25.35' S	34° 52.13' W	4492	/	190.6	"	"	"	"	"	"	"	"				
			11:30	62° 25.53' S	34° 52.54' W	4293	2.8	345.3	"	"	"	"	"	"	"	"		CTD aus dem Wasser		
			11:30	62° 24.85' S	34° 50.47' W	4230	10.2	91.8	"	"	"	"	"	"	"	"	"	Drehung auf 100° zur Vorbereitung auf Kurs		
			11:55	62° 25.27' S	34° 45.22' W	3716	6.5	195	3555	430	0102/1002	0.25	3	"	"	"	"	Kursänderung (Süd)		
			12:30	62° 27.07' S	34° 46.24' W	3774	/	165.8	"	"	"	"	"	"	"	"	"			
			13:00	62° 26.42' S	34° 46.37' W	3788	/	322.4	"	"	"	"	"	"	"	"	"			
			13:10																	
			13:46	62° 24.41' S	34° 47.85' W	3853	/	93.7	"	"	"	"	"	"	"	"	"		BLACKOLET	
			14:00	62° 24.93' S	34° 48.24' W	3217	/	92.7	"	"	"	"	"	"	"	"	"	"	Neustart	
			14:03	62° 24.91' S	34° 48.19' W	3690	-	92.9	"	"	"	"	"	"	"	"	"	"	Leinwand ausrollen	
			15:00	62° 24.95' S	34° 49.53' W	3692	-	105.3	"	"	"	"	"	"	"	"	"	"		
			16:00	62° 24.97' S	34° 51.59' W	3667	-	061.7	"	"	"	"	"	"	"	"	"	"		
			16:21	62° 25.00' S	34° 51.89' W	3531	-	110.8	3375	1700	012/102	0.00	2	500	7	"	"		STILL RETRIEVING MOORING	
			17:00	62° 25.00' S	34° 51.89' W	3531	0.5	22.1	"	"	"	"	"	"	"	"	"	"		Δ trigger, delay
			17:07	62° 25.00' S	34° 51.89' W	3531	0.5	22.1	"	"	"	"	"	"	"	"	"	"		waiting for mooring in
			17:10	62° 25.00' S	34° 51.89' W	3531	0.5	22.1	"	"	"	"	"	"	"	"	"	"		2 of 10
			17:18	62° 24.29' S	34° 51.01' W	3144	0.5	22.7	3000	1375	"	"	"	"	"	"	"	"		starting to drift
			17:23	62° 24.18' S	34° 50.91' W	3150	0.5	14.0	"	"	"	"	"	"	"	"	"	"		
			18:50	62° 24.05' S	34° 50.81' W	3034	0.5	19.8	2805	1160	"	"	0.25	"	"	"	"	"		
			19:12	62° 23.54' S	34° 42.67' W	2953	0.5	18.6	"	"	"	"	"	"	"	"	"	"		
			19:35	62° 23.27' S	34° 42.56' W	3187	0.6	8.9	3180	3585	012/102	"	"	"	"	"	"	"		
			19:55	62° 22.90' S	34° 44.91' W	3248	0.8	31.7	"	"	"	"	"	"	"	"	"	"		
			20:21	62° 22.49' S	34° 41.50' W	3346	0.8	27.6	"	"	"	"	"	"	"	"	"	"		
			20:47	62° 22.42' S	34° 41.41' W	3531	3.2	227.0	"	"	"	"	"	"	"	"	"	"		
			21:01	62° 23.26' S	34° 44.66' W	3602	9.3	232.6	3375	1700	"	"	0.00	"	"	"	"	"		
			21:07	62° 23.61' S	34° 46.93' W	3467	8.7	237.8	3552	1430	0102/1002	0.25	"	"	"	"	"	"		
			21:15	62° 23.99' S	34° 48.34' W	4122	9.7	229.9	3750	1176	"	"	0.00	"	"	"	"	"		
			21:22	62° 24.46' S	34° 50.07' W	4338	8.9	207.2	3930	1100	012/102	0.25	"	"	"	"	"	"		
21:35	62° 25.32' S	34° 52.42' W	4303	0.7	193.6	"	"	"	"	"	"	"	"	"	"					
21:55	62° 25.43' S	34° 52.04' W	4256	0.2	22.9	"	"	"	"	"	"	"	"	"	"					



On Station. CTD



Profile	Roll	Date	GMT	LAT	LONG	Depth	Speed	Course	Depth - fms	Tr. J. No.	Delay	Sweep	Scan	Pulse	Remarks
2	17	23.04.86	10.12	62° 02.12 S	37° 30.93 W	2717	8.5	289.6	2430 - 1805	0102/1002	0.25	2	500	1	change range
			10.29	62° 04.40 S	37° 35.47 W	2064	9.7	286.2	1875 - 1150	"	"	"	"	"	"
			10.35	62° 04.07 S	37° 38.06 W	2414	9.1	288.2	2250 - 1625	040102/1002	0.00	5	"	"	"
			10.48	62° 00.40 S	37° 42.34 W	2842	10.5	289.5	2625 - 1000	012/1002	0.00	2	"	"	"
			10.54	62° 00.08 S	37° 44.37 W	3328	10.2	288.5	3180 - 1655	" "	0.25	2	"	"	"
			11.09	61° 58.21 S	37° 49.91 W	3646	11.6	286.7	3375 - 1650	" "	0.00	2	"	"	"
			11.33	61° 54.57 S	38° 00.79 W	3020	12.9	288.1	2805 - 1180	0012/1002	0.25	3	"	"	"
			11.53	61° 56.30 S	38° 09.19 W	3588	12.3	288.2	3555 - 1930	0102/1002	0.25	3	"	"	"
			12.11	61° 55.16 S	38° 16.42 W	3989	12.3	288.2							

3.5KHz Echolot ausgedreht

Wartung

