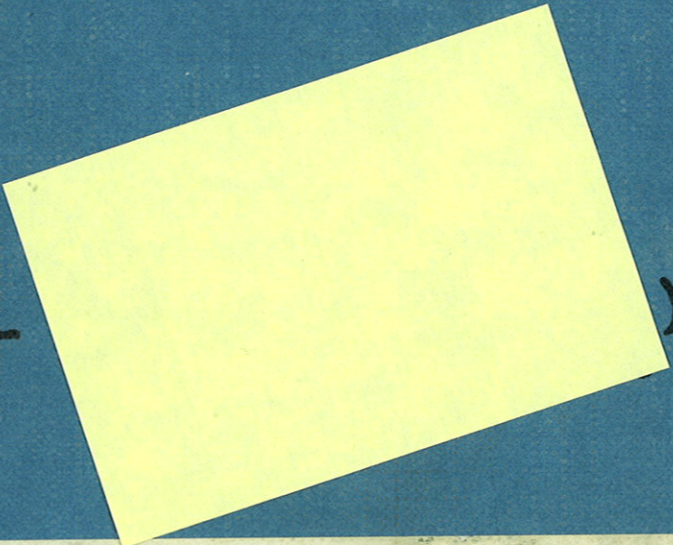


#9

#9

ANT-IV/2 + ANT-IV/3

ANT IV/2



3,5 keltz Protokolle



ANTARKTIS IV

1. Buch

7. Nov. 1985 — 11. Jan. 1986

9

ANT-IV/2 (1)

7. Nov 85

11. Jan 86

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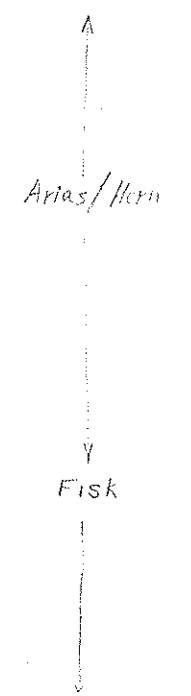
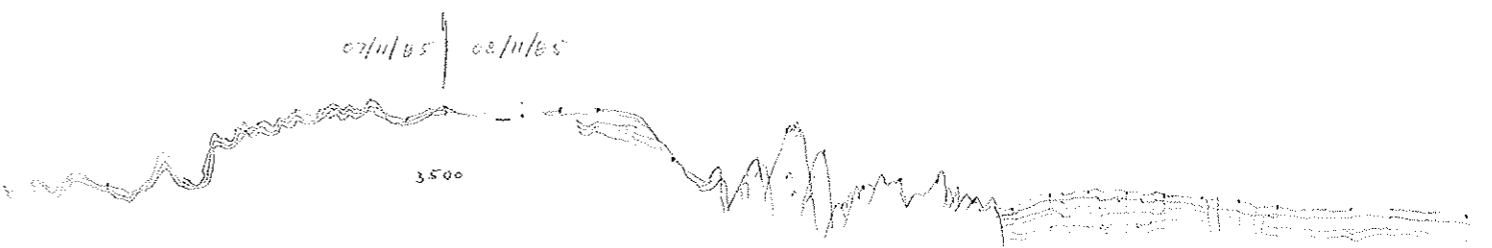
Rolle Nr.	Profil Nr.	Datum	Zeit	Latitude	Longitude	Kurs	Speed	Tiefe, m.	Tiefenbereich	Trigger	Sweep	Delay	Bemerkung
1	1	7. Nov. 1985	15.30	28° 50'	44° 41'	193.	12.9	3670	3469-3844	K-P	3	0.38	
			16.30	28° 53'	44° 42'	194.2	13.1	3664	3469-3844				
			16.40	28° 55'	44° 43'	194	13.2	3664	"				
			16.50	28° 57'	44° 43'	195.9		3662	"				
			17.00	28° 59'	44° 44'	194.	13.1	3666	"				
			17.10	29° 02'	44° 45'	193.8	13.1	3630	"				
			17.20										
			17.30	29° 06'	44° 46'	192.0	12.2	3639	3469-3844	"	"	"	
			17.40	29° 08'	44° 48'	195.9	13.6	3622	"	"	"	"	
			18.20	29° 16'	44° 50'	195	13.0	3606	"	"	"	"	
			18.40	29° 21'	44° 52'	194.3	12.8	3626	"	"	"	"	
			19.00	29° 24'	44° 54'	197.8	12.6	3630	"	"	"	"	
			19.20	29° 28'	44° 55'	194.9	12.3	3628	"	"	"	"	
			19.40	29° 33'	44° 56'	194.3	12.4	3615	"	"	"	"	
			20.00	29° 36'	44° 57'	194.5	12.4	3594	"	"	"	"	
			20.30	29° 42'	44° 58'	195.5	12.4	3574	"	"	"	"	
			20.50	29° 44'	44° 59'	196.1	12.5	3571	3375-3750	"	2	0.00	
			21.00	29° 48'	45° 00'	195.9	12.5	3574	"	"	"	"	
			21.20	29° 52'	45° 02'	196.0	12.7	3548	"	"	"	"	
			21.40	29° 56'	45° 03'	196.2	12.7	3553	"	"	"	"	
			22.00	30° 00'	45° 04'	194.6	12.8	3503	3281-3656	"	"	0.13	
			22.20	30° 05'	45° 05'	194.4	12.8	3504	"	"	"	"	
			22.40	30° 09'	45° 06'	194.1	12.9	3508	"	"	"	"	
			23.00	30° 13'	45° 07'	194.7	12.9	3448	"	"	"	"	
			23.20	30° 17'	45° 09'	194.1	13.0	3377	3182-3563	"	"	0.25	
			23.40	30° 21'	45° 10'	193.6	13.0	3395	"	"	"	"	
			00.00	30° 26'	45° 11'	193.5	13.0	3417	"	"	"	"	
			00.20	30° 30'	45° 13'	193.6	12.7	3428	"	"	"	"	
			00.40	30° 34'	45° 14'	193.8	12.8	3410	"	"	"	"	
			01.00	30° 39'	45° 16'	194.9	12.8	3438	3281-3656	"	"	0.13	
			01.20	30° 43'	45° 17'	194.0	13.1	3494	"	"	"	"	
			01.40	30° 47'	45° 18'	193.4	13.0	3470	"	"	"	"	
			02.00	30° 51'	45° 19'	193.7	13.0	3504	"	"	"	"	
			02.20	30° 55'	45° 20'	193.8	12.8	3534	3281-3656	"	"	"	
			02.40	31° 00'	45° 22'	194.6	12.9	3522	"	"	"	"	
			03.00	31° 04'	45° 23'	194.9	12.8	3524	"	"	"	"	
			03.20	31° 08'	45° 23'	193.0	12.9	3534	"	"	"	"	
			03.40	31° 13'	45° 24'	192.2	12.9	3545	"	"	"	"	
			04.00	31° 17'	45° 25'	195.3	13.2	3549	"	"	"	"	
			04.20	31° 21'	45° 26'	194.4	13.2	3557	"	"	"	"	
			04.40	31° 25'	45° 27'	195.2	13.1	3581	3375-3750	KP	2	0.00	

Beginn Profil 1
7. Nov. 1985 ANT IV/2

08.11

2000
3100
3200
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4100

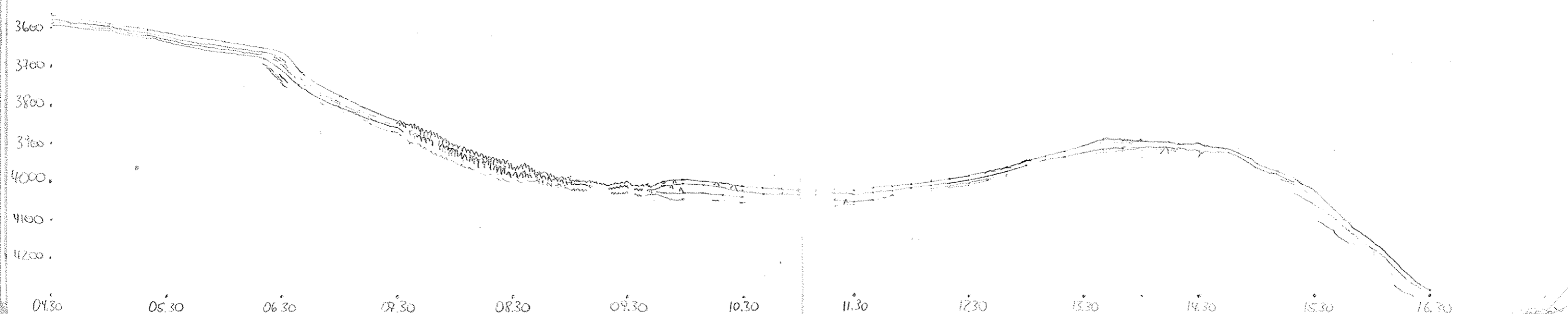
NOTE: Wachszeiten geändert // auf GNT



Bitte Enttragung, Fortsetzung nächste Seite

Schlie (auf Wache rest 02.15h Bordzeit)

Rolle Nr.	Prof./ Nr.	Datum	Zeit	Latitude	Longitude	Kurs	Speed	Depth (m)	Depth range	Trigger	Sweep	Delay	Bemerkung	Protokoll
1	1	08 Nov 1985	05.00	31° 29'	45° 28'	194,6	13,2	3589	3375-3750	KP	2	0,00		Schlie
			05.20	31° 33'	45° 29'	194,4	12,6	3609	3375-3750	"	"	"		
			05.40	31° 37'	45° 30'	194,0	12,8	3616	3375-3750	"	"	"		
			06.00	31° 41'	45° 31'	194,1	13,0	3638	3375-3750	"	"	"		
			06.20	31° 45'	45° 33'	195,4	12,8	3655	3469-3844	KP	3	0,38		
			06.40	31° 49'	45° 34'	194,3	12,9	3718	3469-3844	"	"	"		
			07.00	31° 54'	45° 36'	196,1	12,7	3771	3563-3938	KP	3	0,25		
			07.20	31° 58'	45° 37'	195,6	13,2	3826	3563-3938	"	"	"		
			07.40	32° 02'	45° 38'	195,3	12,7	3856	3656-4031	KP	3	0,13		
			08.00	32° 06'	45° 40'	195,4	12,5	3903	3656-4031	"	"	"		
			08.20	32° 10'	45° 41'	194,9	12,9	3928	3750-4125	KP	3	0,00		
			08.40	32° 15'	45° 42'	194,9	12,8	3959	3750-4125	"	"	"		
			09.00	32° 19'	45° 43'	192,9	12,9	3985	3750-4125	"	"	"		
			09.20	32° 23'	45° 45'	195,2	13,1	3998	3750-4125	"	"	"		
			09.40	32° 27'	45° 46'	195,1	13,2	4006	3750-4125	"	"	"	Wachende 0745h	
			10.00	32° 32'	45° 48'	193,5	13,1	3997	3750-4125	"	"	"	Bordzeit	
			10.20	32° 36'	45° 49'	194,0	12,8	4017	3750-4125	"	"	"		
			10.40	32° 40'	45° 50'	195,5	12,8	4019	3750-4125	"	"	"		
			11.00	32° 44'	45° 51'	193,5	12,6	4021	3750-4125	"	"	"		
			11.20	32° 48'	45° 52'	193,3	12,6	4024	3750-4125	"	"	"		
			11.40	32° 52'	45° 53'	194,1	12,6	4020	3750-4125	"	"	"		
			12.00	32° 56'	45° 55'	193,0	12,6	4011	3750-4125	"	"	"		
			12.20	33° 00'	45° 55'	192,3	12,8	3992	3750-4125	"	"	"		
			12.40	33° 05'	45° 56'	194,9	12,8	3974	3750-4125	"	"	"		
			13.00	33° 09'	45° 58'	195,5	13,2	3950	3750-4125	"	"	"		
			13.20	33° 13'	45° 59'	194,5	12,5	3920	3750-4125	"	"	"		
			13.40	33° 17'	46° 00'	195,1	13,1	3896	3750-4125	"	"	"		
			14.00	33° 21'	46° 02'	194,6	12,7	3889	"	"	"	"		
3000			14.20	33° 25'	46° 03'	194,6	12,0	3905	"	"	"	"		
			14.30	33° 27'	46° 04'	192,8	12,7	3895	"	"	"	"		
3100			14.40	33° 29'	46° 04'	193,8	12,8	3915	"	"	"	"		
			15.00	33° 34'	46° 06'	192,4	13,1	3953	"	"	"	"		
3200			15.20	33° 37'	46° 06'	193,3	13,1	3993	"	"	"	"		
			15.40	33° 41'	46° 08'	193,9	13,2	4062	"	"	"	"		
3300			15.47	33° 43'	46° 08'	192,4	13,0	4088	3928-4313	KP	2	0,25		
			16.00	33° 45'	46° 09'	192,0	13,2	4142	"	"	"	"		
3400			16.20	33° 50'	46° 10'	192,4	13,0	4234	"	"	"	"		
			16.36	33° 53'	46° 11'	192,1	12,9	4301	4125-4500	"	"	0,00		



Wachende 0745h
Bordzeit

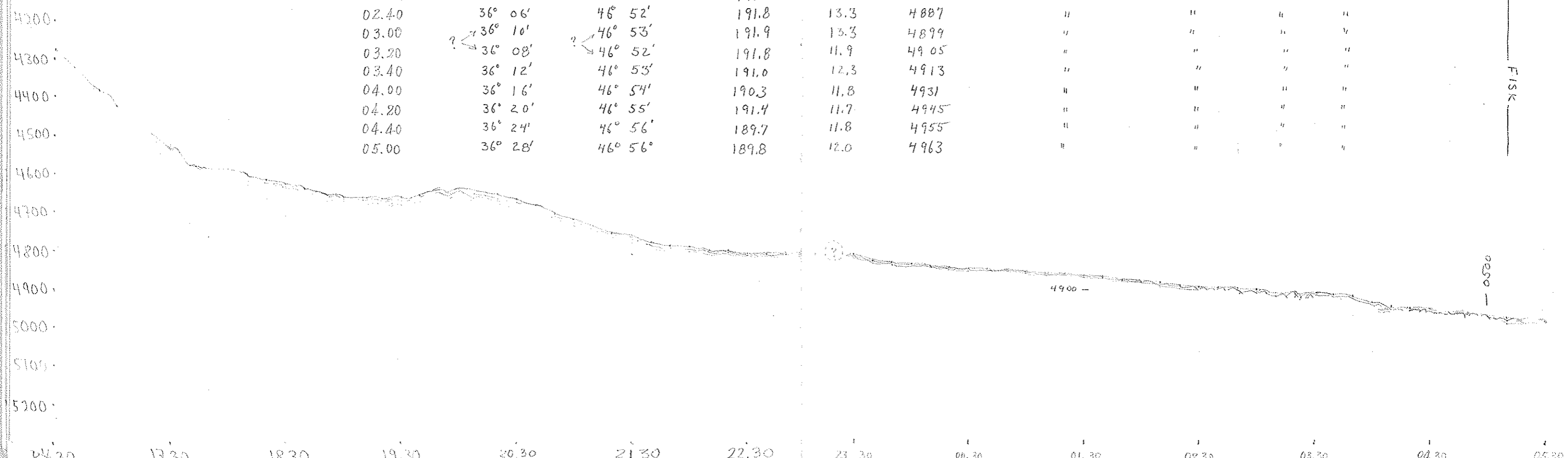
Schlie

Schlie
de groot

Grünig

Rolle Nr.	Profil Nr.	Datum	Zeit	Latitude	Longitude	Kurs	Speed	Tiefe (m)	Depth range	Trigger	Sweep	Delay	Bemerkung	Protokoll
1	1	8. Nov. 1985	17.00	33° 58'	46° 12'	192.7	12.9	4414	4425-4500	KP	2	0.00		Grünig
			17.12	34°	46° 14'	194.5	13.0	4465	4406-4781	KP-K-P	7	0.13		
			17.30	34° 04'	46° 15'	192.9	13.2	4532	"	"	"	"		
			17.40	34° 06'	46° 15'	194.7	13.1	4566	"	"	"	"		
			18.00	34° 10'	46° 17'	194.2	13.4	4588	"	"	"	"		
			18.40	34° 13'	46° 18'	194.3	13.5	4606	"	"	"	"		
			18.20	34° 15'	46° 19'	193.9	13.4	4617	"	"	"	"		
			18.40	34° 20'	46° 21'	195.0	13.7	4637	"	"	"	"		
			19.00	34° 25'	46° 22'	195.7	13.9	4660	"	"	"	"		
			19.20	34° 29'	46° 24'	192.8	14.2	4666	"	"	"	"		
			19.40	34° 34'	46° 25'	192.6	14.0	4656	"	"	"	"		
			20.00	34° 38'	46° 26'	193.9	14.0	4640	"	"	"	"		
			20.20	34° 43'	46° 26'	191.5	14.3	4652	"	"	"	"		
			20.40	34° 47'	46° 27'	189.3	13.8	4684	"	"	"	"		
			20.54	34° 51'	46° 27'	188.9	14.0	4710	4500-4775	KP-K-P	7	0.00		
			21.00	34° 53'	46° 28'	189.4	14.5	4717	"	"	"	"		
			21.20	34° 57'	46° 29'	193.7	14.2	4750	"	"	"	"		
			21.40	35° 01'	46° 30'	196.4	13.8	4769	"	"	"	"		
			22.00	35° 06'	46° 31'	196.1	14.3	4780	"	"	"	"		
			22.20	35° 10'	46° 33'	196.6	14.2	4793	"	"	"	"		
			22.40	35° 14'	46° 34'	197.1	13.7	4806	"	"	"	"		
			23.00	35° 18'	46° 36'	196.4	13.8	4811	4688-5063	KP-K	2	0.25		
			23.20	35° 23'	46° 37'	195.6	13.3	3139(?)	"	"	"	"		
			23.40	35° 27'	46° 39'	196.3	13.2	4825	"	"	"	"		
			00.00	35° 31'	46° 40'	197.1	13.5	4831	"	"	"	"		
			00.20	35° 35'	46° 42'	196.2	13.1	4841	"	"	"	"		
			00.40	35° 40'	46° 43'	196.2	13.5	4848	"	"	"	"		
			01.00	35° 44'	46° 45'	196.5	13.5	4852	"	"	"	"		
			01.20	35° 48'	46° 47'	196.7	13.2	4858	"	"	"	"		
			01.40	35° 52'	46° 48'	193.9	13.3	4869	"	"	"	"		
			02.00	35° 57'	46° 49'	191.5	13.3	4877	"	"	"	"		
			02.20	36° 02'	46° 51'	191.2	13.2	4882	"	KP	"	"		
			02.40	36° 06'	46° 52'	191.8	13.3	4887	"	"	"	"		
			03.00	36° 10'	46° 53'	191.9	13.3	4899	"	"	"	"		
			03.20	36° 08'	46° 52'	191.8	11.9	4905	"	"	"	"		
			03.40	36° 12'	46° 53'	191.0	12.3	4913	"	"	"	"		
			04.00	36° 16'	46° 54'	190.3	11.8	4931	"	"	"	"		
			04.20	36° 20'	46° 55'	191.4	11.7	4945	"	"	"	"		
			04.40	36° 24'	46° 56'	189.7	11.8	4955	"	"	"	"		
			05.00	36° 28'	46° 56'	189.8	12.0	4963	"	"	"	"		

09. Nov. 1985



1

Valdivia

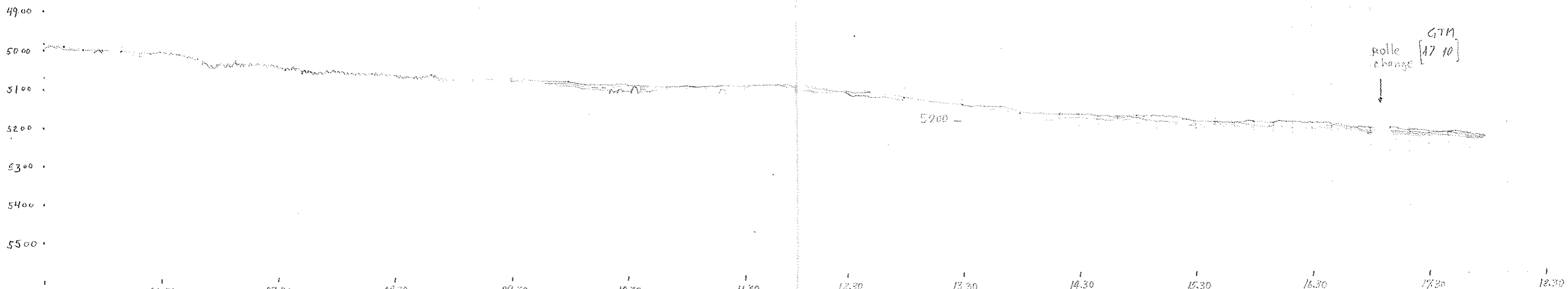
1

Arias

FISK

0250

Rolle Nr.	Profil Nr.	Datum	Zeit GMT	Latitude	Longitude	Kurs	Speed	Tiefe (m)	Depth range (m)	Trigger	Sweep	Delay	Bemerkung	Protokoll
1	1	09 Nov 1985	05.20	36° 32'	46° 57'	191.5	12.0	4976	4688-5063	KP	2	0.25		FISK
			05.40	36° 35'	46° 58'	190.4	11.8	4988	4875-5256	KP	2	0.00		
			06.00	36° 37'	46° 59'	195.0	11.2	5001	"	"	"	"		
			06.20	36° 41'	47° 00'	195.9	11.0	5011	"	"	"	"		
			06.40	36° 44'	47° 01'	197.7	11.0	5022	"	"	"	"		Laban
			07.00	36° 48'	47° 02'	199.5	11.0	5024	"	"	"	"		
			07.20	36° 52'	47° 04'	196.2	11.0	5033	"	"	"	"		
			07.40	36° 55'	47° 05'	197.5	10.9	5040	"	"	"	"		
			08.00	36° 59'	47° 08'	197.9	11.4	5056	"	"	"	"		
			08.20	37° 03'	47° 09'	198.0	12.8	5044	"	"	"	"		
			08.40	37° 07'	47° 11'	192.6	12.7	5070	"	"	"	"		
			09.00	37° 11'	47° 12'	192.8	11.9	5067	"	"	"	"		
			09.20	37° 15'	47° 13'	194.2	11.9	5080	"	"	"	"		
			09.40	37° 19'	47° 15'	194.0	12.3	5077	"	"	"	"		
			10.00	37° 23'	47° 16'	192.9	12.4	5083	"	"	"	"		
			10.20	37° 27'	47° 17'	194.7	12.3	5095	"	"	"	"		Grünig
			10.40	37° 32'	47° 20'	194.0	12.6	5106	"	"	"	"		
			11.00	37° 35'	47° 21'	195	12.4	5109	"	"	"	"		
			11.20	37° 40'	47° 20'	195	12.6	5111	"	"	"	"		
			11.50	37° 46'	47° 23'	195.3	13.2	5113	"	"	"	"		
			12.00	37° 48'	47° 24'	194.4	13.3	5115	"	"	"	"		
			12.20	37° 51'	47° 25'	193.4	13.0	5122	"	"	"	"		
			12.40	37° 56'	47° 27'	192.2	12.7	5134	"	"	"	"		
			13.00	38° 01'	47° 28'	194.1	13.1	5141	"	"	"	"		
			13.22	38° 07'	47° 30'	193.4	12.9	5163	"	"	"	"		
			13.40	38° 09'	47° 30'	193.0	13.0	5170	"	"	"	"		
			14.00	38° 13'	47° 32'	191.1	13.0	5179	"	"	"	"		
			14.20	38° 17'	47° 33'	193.6	12.2	5183	"	"	"	"		
			14.40	38° 21'	47° 34'	192.7	13.7	5188	"	"	"	"		Valdivia
			14.42	38° 23'	47° 35'	193.0	14.2	5189	4969-5344	KPK-P----	5	0.32		
			15.00	38° 28'	47° 36'	193.2	12.3	5193	"	"	"	"		
			15.20	38° 32'	47° 37'	193.2	13.0	5196	"	"	"	"		
			15.50	38° 38'	47° 39'	193.1	13.0	5209	"	"	"	"		
			16.00	38° 40'	47° 40'	192.3	13.0	5208	"	"	"	"		
			16.20	38° 44'	47° 41'	194.0	13.1	5212	"	"	"	"		16:30 Change of scale on Seabeam: 150 → 200 H/M
			16.40	38° 49'	47° 42'	192.2	13.4	5220	"	"	"	"		
			17.00	38° 53'	47° 43'	191.7	13.1	5226	"	"	"	"		
2	1	09 Nov 1985	17.20	38° 57'	47° 44'	192.7	13.0	5230	"	"	"	"		
			17.40	39° 02'	47° 46'	193.8	13.0	5242	"	"	"	"		
			18.00	39° 06'	47° 47'	194.1	13.0	5244	"	"	"	"		



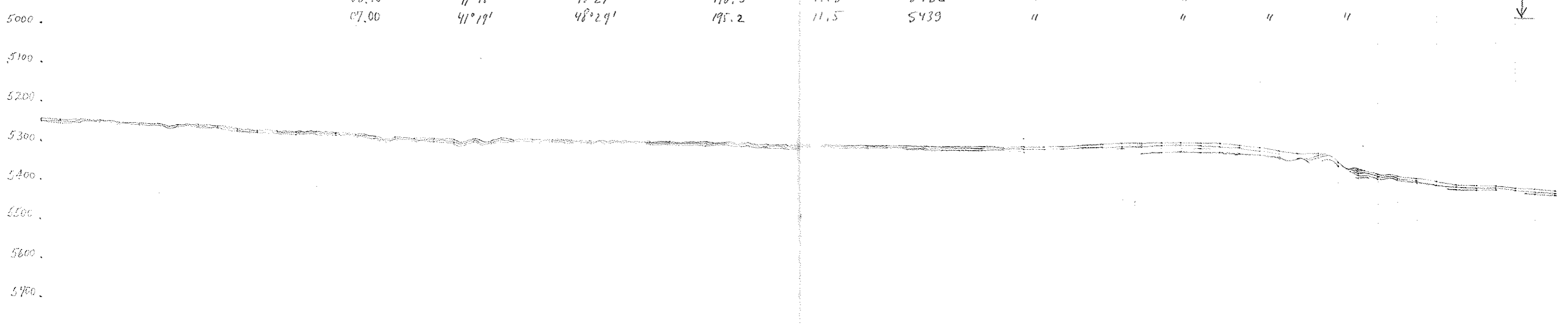
Rolle Nr	Profil Nr	Datum	Zeit (GMT)	Latitude	Longitude	Kurs	Speed	Tiefe (m)	Depth range (m)	Trigger	Sweep	Delay	Bemerkung	Protokollant
2	1	09 Nov. 1985	18.20	39° 09'	47° 48'	193.5	12.9	5248	4969-5344	KPK-P---	5	0.38		
			18.40	39° 14'	47° 49'	192.6	13.0	5253	"	"	"	"		
			19.00	39° 18'	47° 51'	193.8	12.5	5257	"	"	"	"		
			19:20	39° 22'	47° 52'	193.8	12.9	5262	"	"	"	"		
			19.40	39° 26'	47° 53'	196.4	12.6	5271	"	"	"	"		
			20.00	39° 29'	47° 58'	198.1	11.7	5270	"	"	"	"		
			20.20	39° 31'	47° 59'	192.9	11.5	5276	"	"	"	"		
			20.40	39° 34'	48° 00'	196.5	11.8	5280	"	"	"	"		
			21.00	39° 36'	48° 00'	192.8	10.4	5284	5156 - 5531	"	"	0.13		
			21.20	39° 39'	48° 01'	192.1	10.4	5288	"	"	"	"		
			21.40	39° 43'	48° 03'	190.2	12.4	5288	"	"	"	"		
			22.00	39° 46'	48° 04'	194.7	12.1	5293	"	"	"	"		
			22.20	39° 50'	48° 05'	194.7	12.2	5295	"	"	"	"		
			22.40	39° 53'	48° 07'	194.7	11.1	5299	"	"	"	"		
			23.00	39° 56'	48° 08'	192.5	11.0	5301	"	"	"	"		
			23.20	40° 00'	48° 08'	189.6	11.0	5304	"	"	"	"		
			23.40	40° 03'	48° 09'	192.4	10.9	5305	"	"	"	"		
			00.00	40° 07'	48° 09'	195.9	10.8	5307	"	"	"	"		
			00.20	40° 10'	48° 11'	194.1	10.7	5310	"	"	"	"		
			00.40	40° 14'	48° 12'	193.4	10.7	5313	"	"	"	"		
			01.00	40° 17'	48° 13'	192.9	10.8	5318	"	"	"	"		
			01.20	40° 21'	48° 14'	195.4	10.9	5318	"	"	"	"		
			01.40	40° 24'	48° 14'	192.4	10.9	5318	"	"	"	"		
			02.00	40° 28'	48° 15'	193.3	10.8	5320	"	"	"	"		
			02.20	40° 31'	48° 16'	192.6	11.0	5318	"	"	"	"		
			02.40	40° 35'	48° 18'	193.3	11.2	5318	"	"	"	"		
			03.00	40° 38'	48° 17'	186.9	10.8	5314	"	"	"	"		
			03.20	40° 42'	48° 18'	189.2	10.4	5314	"	"	"	"		
			03.40	40° 45'	48° 18'	187.4	10.3	5309	"	"	"	"		
			04.00	40° 48'	48° 18'	186.3	9.9	5311	"	"	"	"		
			04.20	40° 51'	48° 19'	190.3	9.4	5317	"	"	"	"		
			04.40	40° 55'	48° 20'	200.1	12.2	5329	"	"	"	"		
			05.00	40° 59'	48° 22'	202.4	12.2	5340	"	"	"	"		
			05.20	41° 03'	48° 24'	196.7	12.3	5384	"	"	"	"		
			05.40	41° 05'	48° 24'	195.5	11.1	5398	"	"	"	"		
			06.00	41° 08'	48° 25'	194.1	11.5	5416	"	"	"	"		
			06.20	41° 12'	48° 26'	194.1	11.2	5425	"	"	"	"		
			06.40	41° 16'	48° 27'	196.5	11.5	5432	"	"	"	"		
			07.00	41° 19'	48° 29'	195.2	11.5	5439	"	"	"	"		

10. Nov. 1985

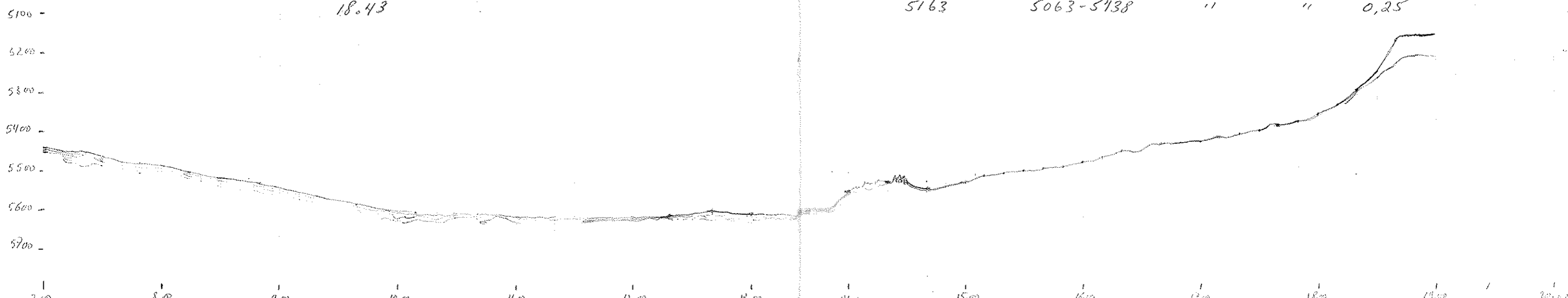
Arias

Horn

de Groot



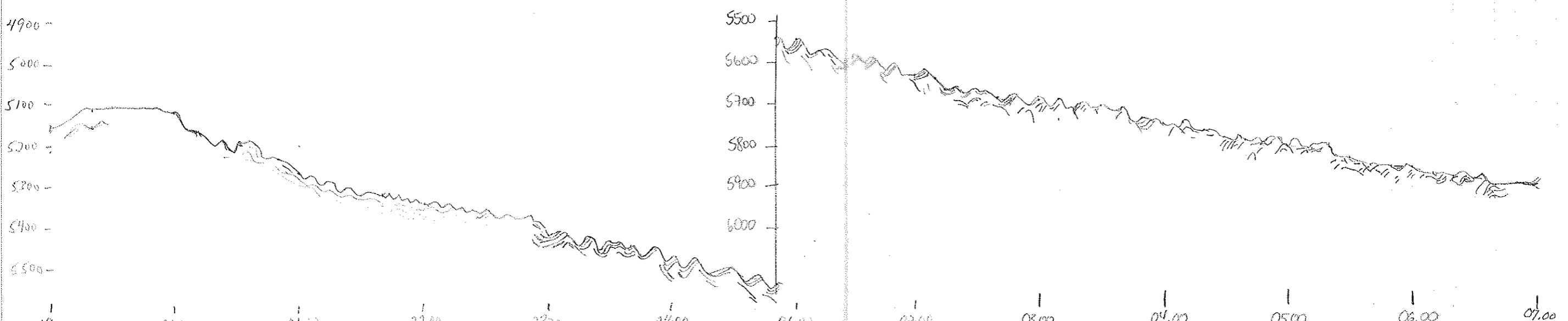
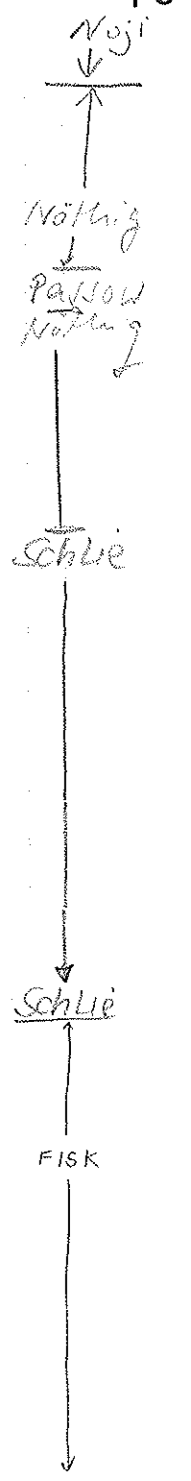
Rolle Nr.	Profil Nr.	Datum	Zeit (GMT)	Latitude	Longitude	Kurs	Speed	Tiefe (m)	Depth range (m)	Trigger	Sweep	Delay	Bemerkung	Protokoll Nr. 3
2	1	10 Nov 1985	07.20	41° 23'	48° 30'	190.1	11.6	5452	5156-5531	KPK-P	5	0.13		
			07.40	41° 27'	48° 31'	193.0	11.6	5465	"	"	"	"		
			08.00	41° 30'	48° 32'	193.1	11.4	5483	5250-5625	"	"	0.00		
			08.20	41° 34'	48° 34'	190.4	11.3	5501	"	"	"	"		
			08.40	41° 38'	48° 36'	190.3	11.7	5521	"	"	"	"		
			09.00	41° 42'	48° 37'	200.9	11.9	5542	"	"	"	"		
			09.20	41° 46'	48° 40'	201.4	12.1	5563	"	"	"	"		
			09.40	41° 50'	48° 42'	197.5	12.3	5584	5344-5719	KP	2	0.38		
			10.00	41° 54'	48° 43'	193.6	12.3	5597	"	"	"	"		
			10.20	41° 58'	48° 44'	196.1	12.6	5607	"	"	"	"		
			10.40	42° 02'	48° 46'	195.3	12.6	5611	"	"	"	"		
			11.00	42° 07'	48° 47'	195.3	12.6	5621	"	"	"	"		
			11.20	42° 11'	48° 49'	196.1	12.5	5621	"	"	"	"		
			11.40	42° 15'	48° 50'	195.6	12.7	5619	"	"	"	"		
			12.00	42° 19'	48° 52'	196.8	12.7	5620	"	"	"	"		
			12.20	42° 23'	48° 53'	193.9	12.6	5610	"	"	"	"		
			12.40	42° 27'	48° 54'	192.2	12.5	5601	"	"	"	"		
			13.00	42° 31'	48° 56'	193.7	12.6	5614	"	"	"	"		
			13.20	42° 35'	49° 02'	192.2	12.8	5614	"	"	"	"		
			13.40	42° 39'	49° 03'	189.0	12.9	5601	"	"	"	"		
			14.00	42° 43'	49° 04'	187.6	13.3	5550	"	"	"	"		
			14.20	42° 48'	49° 05'	192.3	12.9	5530	"	"	"	"		
			14.40	42° 52'	49° 06'	190.9	12.8	5539	"	"	"	"		
			15.00	42° 56'	49° 07'	194.1	12.7	5527	"	"	"	"		
			15.20	43° 01'	49° 10'	197.0	12.5	5507	"	"	"	"		
			15.40	43° 04'	49° 11'	196.3	12.3	5494	"	"	"	"		
			16.00	43° 08'	49° 12'	191.5	12.2	5472	"	"	"	"		
			16.20	43° 12'	49° 13'	190.6	12.0	5457	"	"	"	"		
			16.40	43° 16'	49° 14'	191.1	12.1	5433	"	"	"	"		
			17.00	43° 20'	49° 15'	191.6	12.2	5425	"	"	"	"		
			17.20	43° 24'	49° 16'	191.0	12.3	5407	"	"	"	"		
			17.40	43° 28'	49° 18'	189.8	12.4	5387	"	"	"	"		
			17.50						5250-5625	KPK-P	5	0.00	Problem with EPC due to TUG	
			17.52	43° 31'	49° 18'	191.9	12.5	5374	5344-5719	KP	2	0.38		
			17.58						5250-5625	KPK-P	5	0.00		
			18.00	43° 32'	49° 19'	191.3	12.4	5357	5344-5719	KP	2	0.38		
			18.10	43° 35'	49° 19'	191.0	12.4	5333	5250-5625	KPK-P	5	0.00		
			18.15	43° 36'	49° 19'	191.1	12.7	5322	5156-5531	"	"	0.13		
			18.20	43° 36'	49° 19'	191.1	12.4	5298	"	"	"	"		
			18.40	43° 41'	49° 21'	191.8	12.5	5168	"	"	"	"		
			18.43						5063-5438	"	"	0.25		



Rolle Nr	Profil Nr	Datum	Zeit (GMT)	Latitude	Longitude	Course	Speed	Depth (m)	Depth Range (m)	Trigger	Sweep	Delay	Notes	Protokollant
2	② 1	10 Nov 85	18.50	43° 43'	49° 21'	191.5	12.3	5161	5063-5438	KPK-P	5	0.25		Noji
	gründest		19.00	43° 45'	49° 22'	191.8	12.4	5159	"	"	"	"		
	Blüei (23.20h)		19.20	43° 48'	49° 23'	192.1	12.4	5121	"	"	"	"		
			19.40	43° 52'	49° 24'	192.1	12.6	5100	"	"	"	"		
			20.00	43° 56'	49° 26'	191.8	12.1	5133	"	"	"	"		
			20.20	44° 00'	49° 27'	190.6	12.4	5178	"	"	"	"		
			20.40	44° 04'	49° 28'	190.4	12.6	5228	"	"	"	"		
			21.00	44° 08'	49° 29'	192.9	12.7	5262	"	"	"	"		
			21.20	44° 13'	49° 30'	190.9	12.5	5301	"	"	"	"		
			21.40	44° 17'	49° 33'	190.2	12.4	5313	"	"	"	"		
			22.00	44° 21'	49° 34'	192.6	12.4	5327	"	"	"	"		
			22.20	44° 25'	49° 35'	193.1	12.5	5369	"	"	"	"		
			22.40	44° 29'	49° 36'	192.6	12.2	5369	"	"	"	"		
			22.44	44° 30'	49° 37'	193.3	12.2	5378	3156-5531	"	5	0.13		
			23.00	44° 34'	49° 38'	192.3	13.3	5417	- - -	- - -	- - -	- - -		
			23.20	44° 38'	49° 39'	193.9	12.8	5420	- - -	- - -	- - -	- - -		
			23.40	44° 42'	49° 40'	193.8	12.8	5444	- - -	- - -	- - -	- - -		
			24.00	44° 46'	49° 40'	189.2	12.1	5469	5250-5625	KPK-P	5	0.00		
			00.20	44° 50'	49° 42'	195.7	12.9	5506	- - -	- - -	- - -	- - -		
			00.40	44° 55'	49° 43'	194.9	12.6	5514	- - -	- - -	- - -	- - -		
			01.04	44° 59'	49° 45'	194.8	13.1	5548	- - -	- - -	- - -	- - -		
			01.22	45° 03'	49° 47'	194.9	12.8	5588	5344-5719	KP	2	0.38		
			01.40	45° 07'	49° 48'	196.0	13.2	5593	- - -	- - -	- - -	- - -		
			02.00	45° 11'	49° 50'	194.5	12.9	5639	- - -	- - -	- - -	- - -		
			02.20	45° 15'	49° 51'	195.3	12.8	5653	5438-5813	KP	2	0.25		
			02.42	45° 19'	49° 52'	195.4	12.8	5692	- - -	- - -	- - -	- - -		
			03.00	45° 23'	49° 54'	194.3	13.0	5697	- - -	- - -	- - -	- - -		
			03.20	46° 28'	49° 56'	195.8	12.6	5706	"	"	"	"		
			03.40	46° 32'	49° 57'	195.0	12.7	5726	"	"	"	"		
			04.00	45° 36'	49° 59'	192.3	12.8	5754	"	"	"	"		
			04.20	45° 40'	50° 00'	190.6	12.7	5774	"	"	"	"		
			04.40	45° 45'	50° 01'	193.2	12.6	5794	5531-5609	KP	2	0.13		
			05.00	45° 49'	50° 04'	194.1	12.8	5813	"	"	"	"		
			05.20	45° 53'	50° 05'	194.2	12.8	5807	"	"	"	"		
			05.40	45° 58'	50° 07'	193.7	12.9	5855	"	"	"	"		
			06.00	46° 02'	50° 08'	193.7	13.1	5860	"	"	"	"		
			06.20	46° 06'	50° 10'	192.9	12.9	5880	5625-6000	KP	2	0.00		
			06.40	46° 10'	50° 11'	194.8	13.4	5909	"	"	"	"		
			07.00	46° 14'	50° 13'	193.0	13.0	5907	"	"	"	"		

23.22 h : mode 3
 23.30 h : mode 2
 11. Nov 85

Rolle 35 kHz läuft nicht richtig; beim Herausziehen Popps angelassen



Roller Nr	Profile Nr	DATE	Z.FIT (GMT)	LATITUDE south	LONGITUDE west	Course	Speed Knots	DEPTH (m)	DEPTH RANGE (m)	TRIGGER	SWEEP	DELAY	Notes	Protokollant
2	1	11-11-85	07.20	46° 19'	50° 14'	193.2	12.9	5909	5625-6000	K P	2	0.00		17
			07.40	46° 23'	50° 15'	192.6	13.0	5878	"	"	"	"		
			08.00	46° 27'	50° 17'	193.9	13.1	5865	"	"	"	"		
			08.20	46° 32'	50° 18'	192.4	13.1	5984	"	"	"	"		
			08.30	46° 34'	50° 19'	195.5	13.1	5917	"	"	"	"		
			08.40	46° 36'	50° 20'	195.4	12.9	5996	"	"	"	"		
			09.00	46° 39'	50° 20'	195.2	12.3	6024	"	"	"	"		
			09.02	46° 39'	50° 20'	194.5	12.6	6027	76000	K P	3	0.38	08.48 depth > 6000m Trigger/Sweep/delay changed at 09.02	
			09.20	46° 42'	50° 22'	193.6	12.5	6055	"	"	"	"		
			09.30	46° 47'	50° 23'	194.0	12.1	6057	"	"	"	"		
			09.40	46° 47'	50° 23'	194.0	12.1	6057	"	"	"	"		
			09.50	46° 49'	50° 24'	194.4	12.3	6058	"	"	"	"		
			10.00	46° 50'	50° 25'	193.9	11.9	6061	"	"	"	"		
			10.20	46° 54'	50° 26'	194.1	11.8	6062	"	"	"	"		
			10.40	46° 57'	50° 28'	193.3	11.1	6064	"	"	"	"		
			11.00	47° 01'	50° 29'	193.7	11.1	6064	"	"	"	"		
			11.20	47° 05'	50° 31'	195.1	10.9	6063	"	"	"	"		
			11.40	47° 08'	50° 32'	193.1	9.5	6061	"	"	"	"		
			12.00	47° 10'	50° 34'	* 250.8	* 1.5	6060	"	"	"	"	≈ 11:58 * Course & Speed change (Ship stop)	
			12.20	47° 10'	50° 34'	328.1	1.2	6060	"	"	"	"		
			12.40	47° 09'	50° 34'	342.5	1.2	6061	"	"	"	"		
			13.00	47° 09'	50° 35'	314.8	1.3	6068	"	"	"	"	(13:03 = Moving on)	
			13.20	47° 10'	50° 35'	187.4	7.4	6059	"	"	"	"		
			13.40	47° 13'	50° 36'	187.6	6.2	6058	"	"	"	"		
			14.00	47° 15'	50° 37'	190.7	7.6	6057	"	"	"	"		
			14.20	47° 18'	50° 38'	190.1	6.9	6057	"	"	"	"		
			14.40	47° 21'	50° 39'	191.3	9.4	6059	"	"	"	"		
			15.00	47° 24'	50° 40'	194.9	9.5	6055	"	"	"	"		
			15.20	47° 27'	50° 41'	195.5	9.5	6056	"	"	"	"		
			15.40	47° 30'	50° 42'	195.0	9.5	6052	"	"	"	"		
			16.00	47° 33'	50° 43'	187.6	10.1	6054	"	"	"	"		
			16.20	47° 36'	50° 44'	190.1	10.1	6053	"	"	"	"		
			16.40	47° 40'	50° 45'	189.6	9.8	6053	"	"	"	"		
			17.00	47° 43'	50° 46'	188.7	11.0	6052	"	"	"	"		
			17.20	47° 47'	50° 48'	192.0	11.9	6053	"	"	"	"		
			17.40	47° 51'	50° 50'	191.6	12.2	6053	"	"	"	"		
			18.00	47° 55'	50° 51'	191.7	12.0	6054	"	"	"	"		
			18.20	47° 59'	50° 52'	191.1	12.4	6056	"	"	"	"		
			18.40	48° 03'	50° 54'	192.0	12.8	6055	"	"	"	"		
			19.00	48° 07'	50° 55'	191.4	12.9	6054	"	"	"	"		
			19.20	48° 11'	50° 56'	191.7	12.8	6050	"	"	"	"		
			19.40											
			20.18	48° 23'	51° 00'	192.4	13.1	6025	"	"	"	"		

5400-
5500-
5600-
5700-
5800-
5900-
6000-
6100-

Pop in water
was 19:30

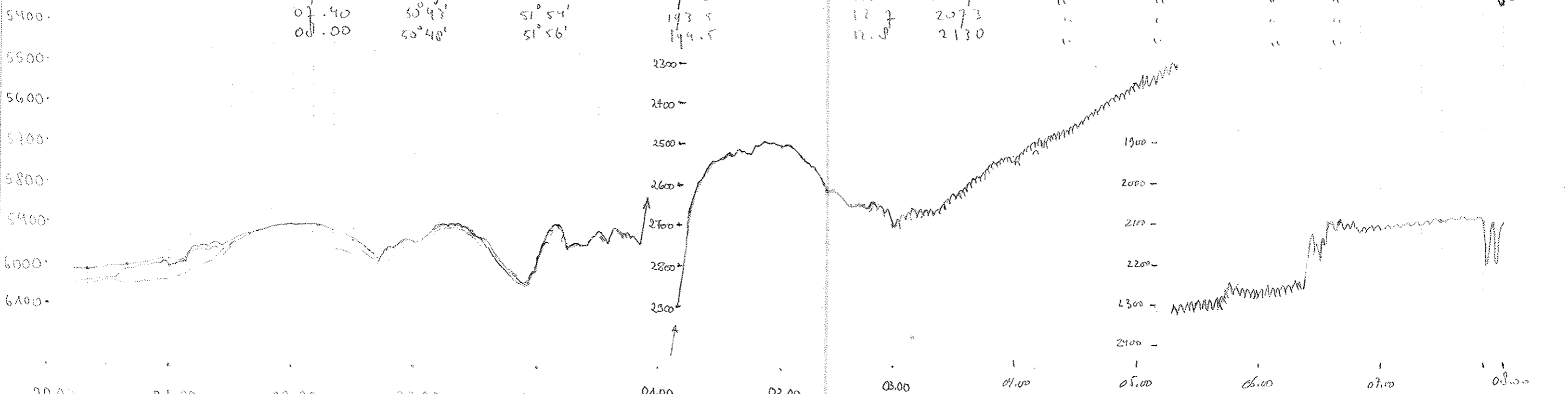
Trigger/
Delay/
change

Pop in water/
Problems

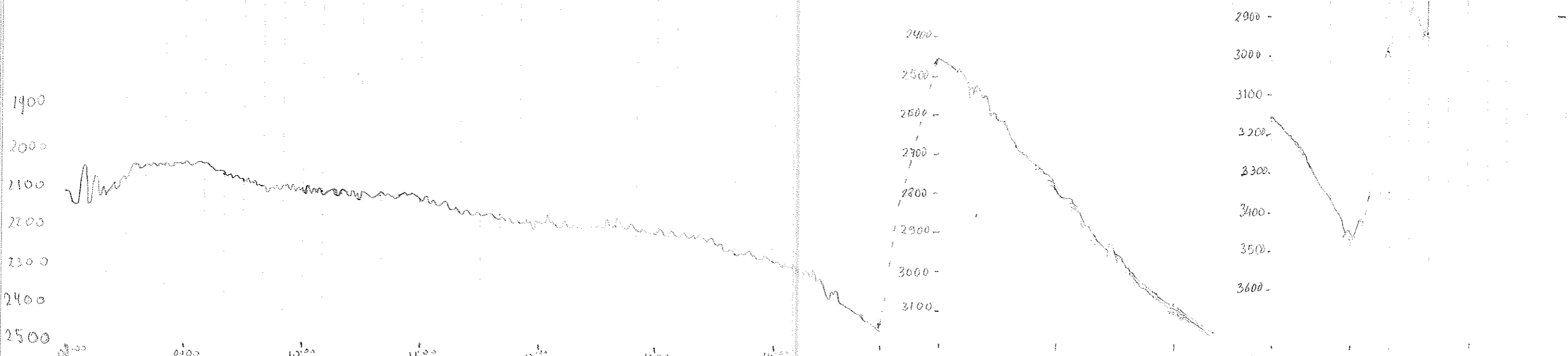


17.00 18.00 19.00 20.00 21.00 22.00 23.00 24.00 25.00 26.00 27.00 28.00 29.00 30.00

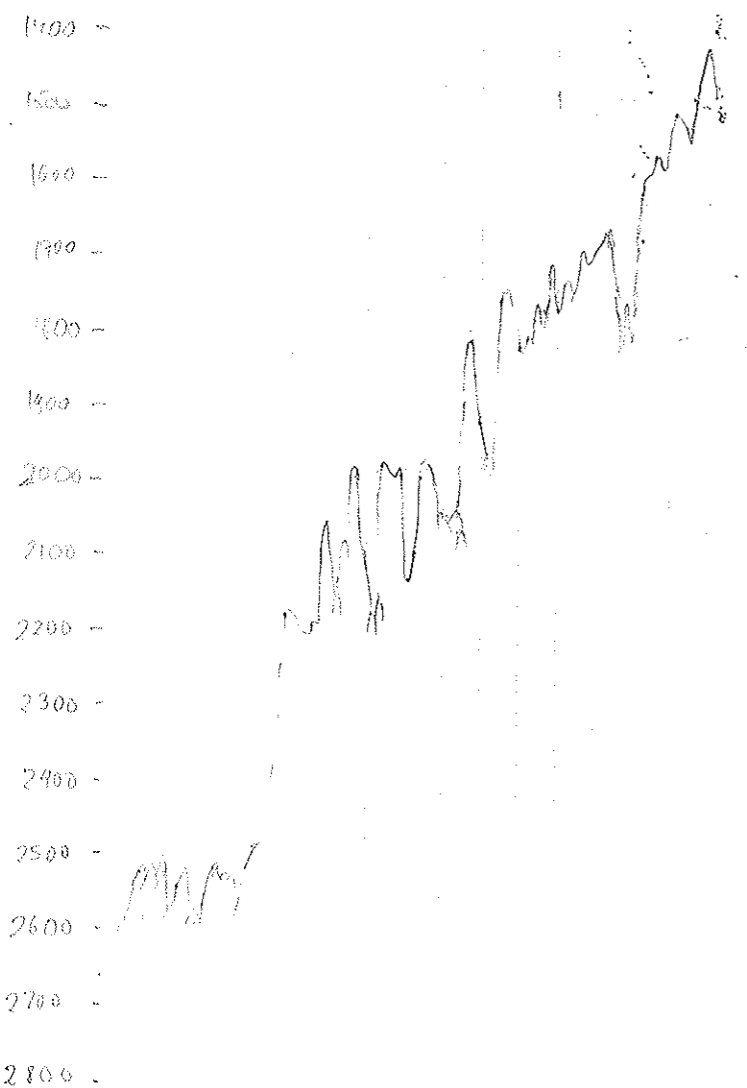
Roll No.	Prof. No.	Datum	Zeit (GMT)	Latitude	Longitude	Kurs	Speed	Tiefe (m)	Depth Range	Trigger	Sweep	Delay	Notes	Probabollant
3	1	11.11.85	20.41	48° 28'	51° 02'	194.6	12.9	6000	> 6000	KP	3	0.38		Grünig
		"	21.00	48° 33'	50° 59'	196.0	13.3	5979		"	"	"		
3	1	"	21.22	48° 38'	51° 01'	197.5	13.2	5958		"	"	"		
"	"	"	21.45	48° 43'	51° 04'	196.3	13.4	5930		"	"	"		
		"	22.02	48° 46'	51° 05'	196.3	13.2	5908		"	"	"		
		"	22.20	48° 50'	51° 07'	196.0	13.4	5914		"	"	"		
		"	22.51	48° 56'	51° 07'	193.4	12.7	5954		"	"	"		
		"	22.55	48° 57'	51° 07'	192.4	12.7	5953		"	"	"		
		"	23.00	48° 57'	51° 07'	192.7	12.6	5961		"	"	"		
		"	23.20	49° 02'	51° 09'	192.8	12.2	5904		"	"	"		Neubau
		"	23.40	49° 06'	51° 10'	196.1	13.0	6011		"	"	"		
		12. Nov. 1985	24.00	49° 10'	51° 12'	196.3	12.8	5964		"	"	"		
		"	00.20	49° 13'	51° 13'	197.6	12.6	5957		"	"	"		
		"	00.40	49° 17'	51° 15'	198.6	12.8	5941		"	"	"		
		"	01.07	49° 23'	51° 18'	195.7	11.3							
		"	01.10	49° 23'	51° 18'	196.0	12.4	2895	2344-2349	KP	2	0.38	kein Signal einfangen, da sehr steiler Anstieg: 6000 → 3000 m	
		"	01.17	49° 25'	51° 19'	196.3	12.4	2638		"	"	"		
		"	01.21	49° 25'	51° 19'	196.2	11.4	2601		"	"	"		
		"	01.30	49° 27'	51° 20'	197.7	12.3	2544		"	"	"		
		"	01.40	49° 29'	51° 18'	193.8	11.7	2524		"	"	"		
		"	02.00	49° 33'	51° 20'	194.4	11.6	2508		"	"	"		
		"	02.20	49° 36'	51° 21'	195.6	11.8	2588		"	"	"		
		"	02.40	49° 41'	51° 25'	196.7	12.6	2657		"	"	"		
		"	03.00	49° 45'	51° 26'	195.3	12.8	2705	2438-2849	"	"	0.25		
		"	03.20	49° 49'	51° 28'	196.5	12.8	2660	"	"	"	"		
		"	03.40	49° 53'	51° 30'	195.6	12.7	2600	"	"	"	"		
		"	04.00	49° 57'	51° 34'	200.7	12.8	2537	2344-2719	"	"	0.38		
		"	04.20	50° 01'	51° 37'	200.5	12.7	2478	"	"	"	"		
		"	04.40	50° 05'	51° 39'	199.9	12.7	2426	2250-2625	KPKP	5	0.00		
		"	05.00	50° 09'	51° 41'	194.8	12.7	2356	"	"	"	"		
		"	05.20	50° 13'	51° 42'	193.4	12.4	2321	2063-2432	"	"	0.25	Key/gate / TRS change + 05.10	
		"	05.40	50° 17'	51° 44'	193.7	12.5	2315	"	"	"	"		
		"	06.00	50° 21'	51° 45'	192.5	12.4	2275	"	"	"	"		
		"	06.20	50° 26'	51° 47'	192.8	12.9	2253	"	"	"	"		
		"	06.40	50° 31'	51° 49'	190.4	13.0	2096	1969-2344	"	"	0.38		
		"	07.00	50° 35'	51° 51'	195.0	12.9	2111	"	"	"	"		
		"	07.20	50° 39'	51° 52'	193.3	12.6	2087	"	"	"	"		
		"	07.40	50° 43'	51° 54'	193.5	12.7	2073	"	"	"	"		
		"	08.00	50° 48'	51° 56'	194.5	12.8	2130	"	"	"	"		



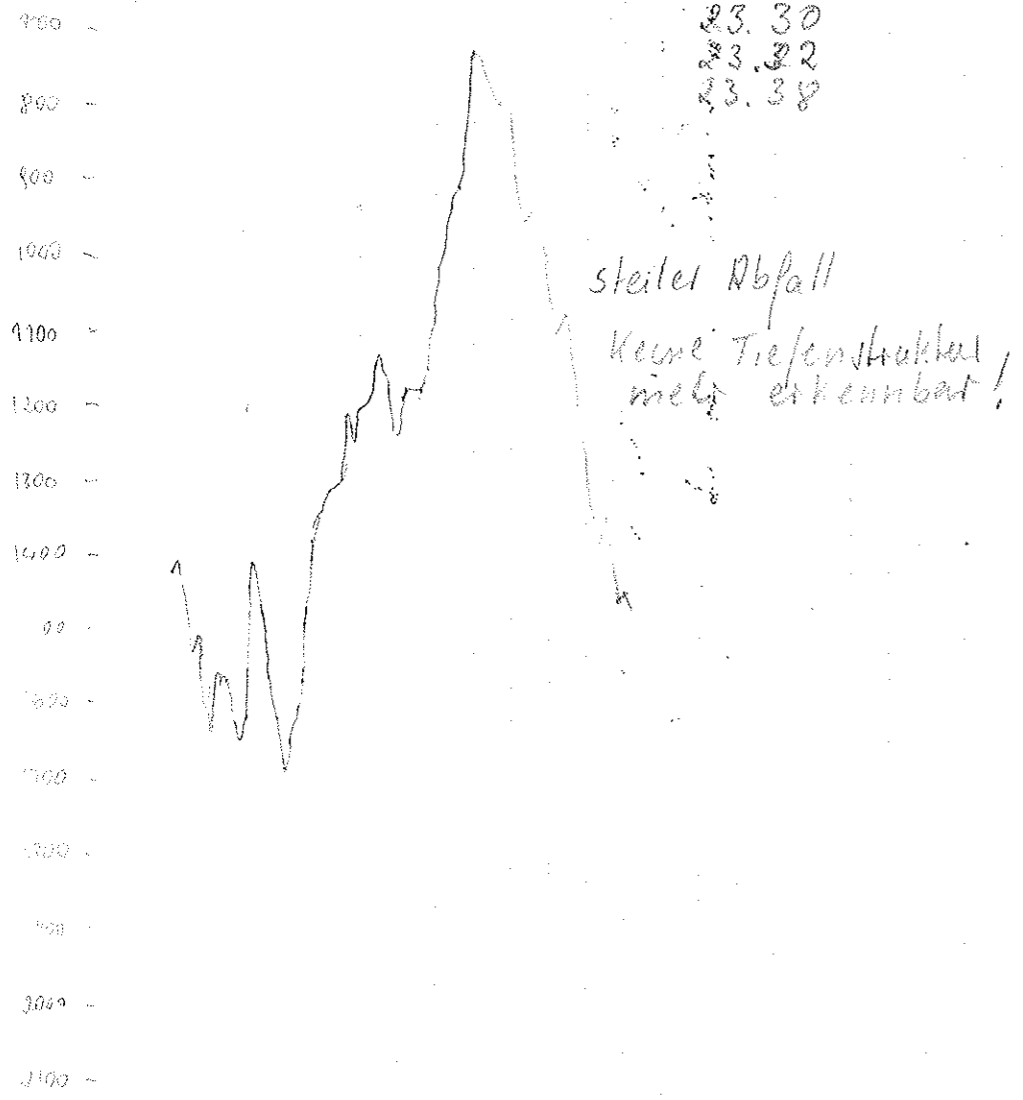
Rolle Nr.	Profil Nr.	Datum	Zeit (GMT)	Latitude	Longitude	Kurs	Speed	Tiefe (m)	Depth Range	Trigger	Sweep	Delay	Notes	Produktionskollant.
3	1	12-11-85	8.20	50° 50'	51° 58'	193.5	12.6	2084	1969-2344	KPKP	5	.38		
			8.40	50° 55'	52° 00'	194.1	13.1	2045	"	"	"	"		
			9.00	50° 59'	52° 01'	191.5	13.2	2035	"	"	"	"		
			9.20	51° 03'	52° 03'	195.0	12.3	2059	"	"	"	"		
			9.40	51° 07'	52° 03'	193.8	12.6	2084	"	"	"	"		
			10.00	51° 11'	52° 04'	193.2	12.5	2106	"	"	"	"		
			10.20	51° 15'	52° 06'	196.3	12.5	2113	"	"	"	"		
			10.40	51° 19'	52° 08'	196.2	12.6	2128	"	"	"	"		
			11.00	51° 24'	52° 07'	195.3	12.8	2138	"	"	"	"		
			11.20	51° 29'	52° 10'	195.9	13.0	2157	"	"	"	"		
			11.43	51° 33'	52° 12'	195.9	12.9	2165	"	"	"	"		
			12.00	51° 37'	52° 13'	195.5	13.0	2180	"	"	"	"		
			12.20	51° 41'	52° 15'	195.2	12.9	2180	"	"	"	"		
			12.42	51° 46'	52° 19'	193.1	13.1	2193	"	"	"	"		
			13.05	51° 50'	52° 21'	195.8	13.1	2209	"	"	"	"		
			13.20	51° 54'	52° 22'	192.8	12.9	2224	"	"	"	"		
			13.45	51° 59'	52° 24'	193.6	13.1	2253	"	"	"	"		
			14.00	52° 02'	52° 25'	193.3	13.0	2268	"	"	"	"		
			14.20	52° 06'	52° 28'	194.8	12.6	2312	2063-2438	"	"	0.25		
			14.40	52° 10'	52° 30'	192.4	12.6	2382	"	"	"	"		
			15.00	52° 14'	52° 32'	193.8	12.6	2452	2250-2625	"	"	0.00		
			15.20	52° 19'	52° 34'	194.1	12.7	2542	"	"	"	"		
			15.26	52° 20'	52° 34'	193.8	12.9	2599	2531-2906	K-P	2	0.13		
			15.40	52° 23'	52° 35'	194.1	12.7	2682	"	"	"	"		
			15.51	52° 25'	52° 36'	193.8	12.9	2740	2710-3094	K-P	3	0.38		
			16.00	52° 27'	52° 37'	193.9	12.9	2794	"	"	"	"		
			16.20	52° 32'	52° 37'	190.5	13.5	2906	"	"	"	"		
			16.40	52° 37'	52° 38'	193.4	12.5	3009	"	"	"	"		
			16.51	52° 39'	52° 39'	189.1	13.6	3050	2813-3188	K-P	3	0.25		
			17.00	52° 42'	52° 40'	188.8	13.5	3081	"	"	"	"		
			17.10	52° 44'	52° 40'	189.4	13.5	3113	"	"	"	"		
			17.21	52° 46'	52° 41'	190.9	13.4	3156	3000-3375	"	"	0.00		
			17.40	52° 51'	52° 42'	189.6	13.6	3279	"	"	"	"		
			17.50	52° 52'	52° 43'	190.5	13.5	3362	3281-3656	K-P	2	0.13		
			18.00	52° 55'	52° 44'	188.7	13.5	3473	"	"	"	"		
			18.15	52° 58'	52° 45'	196.9	13.4	3098	2813-3188	K-P	3	0.25		
			18.20	52° 59'	52° 45'	199.7	13.3	2996	"	"	"	"		



Route No.	Profile No.	Date	Zeit (GMT)	Latitude	Longitude	Units	Speed	Tiefe (m)	Depth Range	Trigger	Sweep	Delay	Notes	Protokollant
3	1	12.11.85	18:33	53°01'	52°48'	199.6	12.9	2829	2625-3000	KP...	2	0.00		Valdivia ↑ ↓ POREBSKI
			18:40	53°05'	52°48'	199.5	13.4	2938	2625-3000	"	"	"		
			18:48	53°04'	52°49'	193.2	13.2	2963	2719-3094					
			18:53	53°05'	52°49'	192.6	12.8	2737	2531-2906					
			19:00	53°07'	52°50'	193.2	12.8	2622	"					
			19:03	53°07'	52°50'	194.7	13.0	2542	2349-2719					
			19:20	53°10'	52°51'	193.5	12.7	2524	"					
			19:38	53°14'	52°54'	193.6	12.4	2250	2250-2625	KPKP---	5	0.00		
			19:40	53°15'	52°53'	193.8	12.8	2488	"					
			19:47	53°16'	52°53'	193.0	12.7	2259	2156-2531	KPKP---	5	0.13		
			19:57	53°18'	52°54'	192.0	12.8	2102	1969-2344	KPKP	5	0.38		
			20:00	53°18'	52°54'	194.5	12.5	2144	"					
			20:20	53°22'	52°57'	194.8	12.7	1997	"					
			20:27	53°24'	52°58'	185.5	13.0	1781	1781-2156	KP----	2	0.13		
			20:40	53°27'	52°58'	196.6	12.7	1926	"					
			20:45	53°28'	53°00'	194.4	12.3	1757	1594-1969	KP----	2	0.38		
			21:00	53°30'	53°01'	196.4	12.5	1767	"					
			21:13	53°33'	53°02'	193.3	12.9	1683	1500-1875	KPK-D--	5	0.00		
			21:25	53°36'	53°03'	195.2	12.8	1569	"					
			21:31	53°37'	53°04'	193.0	13.2	1503	1406-1781	KPK-P--	5	0.13		
			21:40	53°38'	53°04'	194.0	12.6	1434	"					



Rolle No	Profil Nr.	DATUM	Zeit (GMT)	LATITUDE	LONGITUDE	KURT	SPEED	DEPTH (m)	DEPTH RANGE	TRIGGER	SURF	SEMI	NOTES	Photo color
3	1	12.11.1985	21.53	53° 42'	53° 01'	193.6	12.9	1628	1500-1875	KPK-P--	5	0.00		
			22.00	53° 43'	53° 06'	193.8	12.8	1617	-4-	-	-	-4-		
			22.03	53° 44'	53° 06'	193.7	12.5	1437	1313-1688	KPK-P--	5	0.25		
			22.10	53° 45'	53° 07'	194.4	13.1	1653	1406-1781	KPK-P--	5	0.13		
			22.17	53° 47'	53° 07'	193.6	12.4	1423	1313-1688	KPK-P--	5	0.25		POREBSKA
			22.23	53° 48'	53° 08'	193.6	12.5	1318	1219-1584	KPK-P--	5	0.38		
			22.27	53° 48'	53° 08'	193.6	12.8	1242	1031-1406	KP---	2	0.13		
			22.41	53° 52'	53° 09'	193.7	13.1	1204	-4-	-4-	-4-	-4-		
			22.51	53° 54'	53° 10'	192.4	13.0		938-1313	KP----	2	0.25		
			22.53					918	844-1219	KP----	2	0.38		
			23.00	53° 56'	53° 11'	194.7	13.3	737	656-1031	K-D	3	0.13		
			23.20	54° 00'	53° 12'	187.8	13.0	982	750-1125	K-P	3	0.00		
			23.24	54° 01'	53° 12'	192.6	13.0	1085	844-1219	KP-	2	.38		
			23.28	54° 01'	53° 13'	192.6	13.0	1172	938-1313	KP-	2	.25		
			23.30					1231	1031-1406	KP-	2	.13		
			23.32					1350	1125-1500	KP-	2	.00		
			23.38					1421	1219-1584	KPK-P--	5	.38		



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P. Hoff

Polle No	Prof. l	Datum	Zeit	Latitude	Longitude	Kurs	Speed	Tiefe	Depthrange	Triplet	Swamp	Delay	Notes	Protokoll
3	1	12.11.85	23.40	54°04'	53°14'	194.8	12.9	1487	1313-1688	KPK-P-	5	.25		Passow
			23.47					1315	1319-1594	"	"	.38		
			23.47											
			23.57					1487	1313-1688	"	"	.25		
		12 Nov. 1985	24.00	54°08'	53°15'	193.7	13.0	1593	1406-1781	"	"	.13		
			24.02					1640	1500-1875	"	"	.00		
			24.07					1844	1894-1964	KP---	2	.38		
			24.10					2000	1875-2250			.00		
			24.14					2	1969-2344	KPKP--	5	.38		
			17						2344-2719	KP---	2	.38		
			24.20	54°12'	53°17'	193.3	12.0	2695	"	"	"	.00		
			24.26						2675-3000	"	"	.00		
			24.30					3139	2906-3218	K-P---	3	.13		
			24.32					3316	3000-3375	"	"	.00		
			33					3298	3094-3469	KP---	2	.38		
			24.35					3354	3281-3656			.13		
			39					3536	3375-3750	"	"	.00		
			24.40	54°16'	53°19'	193.7	12.7	3554	"	"	"	.00		
			24.47					3694	3469-3844	KP---	3	.38		
			49					3851	3750-4125	"	"	.00		
			24.51						3938-4313	KP---	2	.25		
			59					4321	4125-4500	KP---	2	.00		
			1.00	54°20'	53°20'	193.7	12.3	4377	"	"	"	.00		
			02					4502	4313-4688	KP-K-P-	7	.25		
			06					4609	4500-4875			.00		
			1.10					4900	4875-5250	KP---		.00		
			1.20	54°24'	53°22'	194.7	12.2	4911	at aus	ge fallen, Wechsel				
			1.40	54°28'	53°24'	194.8	12.3	4441	"	des Schreibriemens (f. Heft)				
			2.00	54°31'	53°22'	189.4	11.7	4132	"					
			2.10						4125-4500	KP---	2	.00		
			2.20	54°35'	53°24'	186.2	12.1	4321	"	"	"	.00		
			2.23					3930	3938-4313	"	"	.25		
			.26					4400	4330-4406			.13		
			2.27						4125-4500			.00		

ab hier Tiefe
am Seabeam
abgelesen, da
Echo Lot Anzeige
sprinnt, Echo Lot
auf Zeichnung
stimmt mit
Seabeam überein.

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Passow
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1400-
1500-
1600-
fällt zu
schnell
um Strukturen
zu erkennen

3500-
4000-
4300-
Ausfall

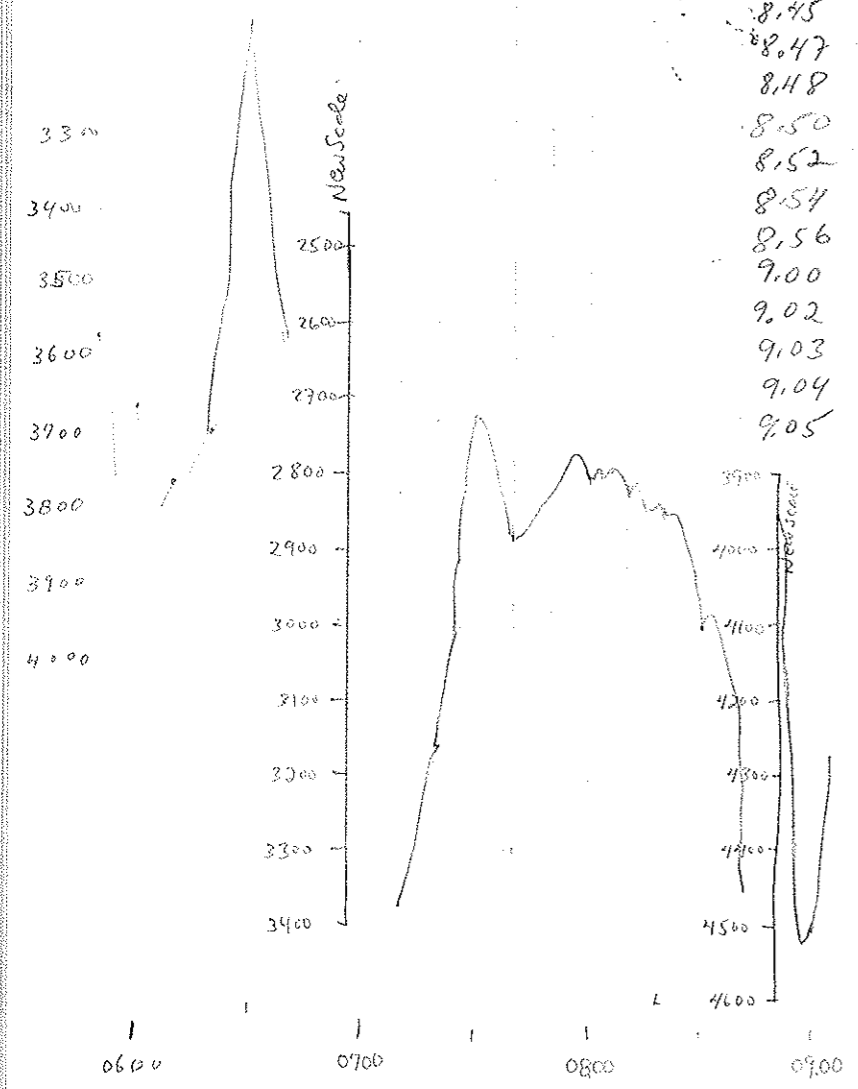
23.40 24.00 1.00 2.00 3.00

Rolle Nr	Profil	Datum	Zeit	Latitude	Longitude	Kurs	Speed	Tiefe	Depthrange	Trigger	Sweep	Delay	Notes	Protokolle
3	1	13.11.85	2.40	54° 40'	53° 25'	193.5	12.6	4178	4125-4500	KP-	2	.00	s. von J. J. G. L.	PARSON
			2.49					4046	3938-4313	"	"	.25		
			2.57					3897	3750-4125	KP-	3	.00		
			3.00	54° 44'	53° 27'	193.2	12.2	4003	"	"	"	.1		
			3.20	54° 48'	53° 29'	194.6	12.4	4176	3938-4313	KP	2	.25		
			3.44	54° 53'	53° 32'	195.5	12.5		4031-4406	KP	2	.13		
			4.00	54° 57'	53° 37'	195.9	12.3	4145	"	"	"	"		
			4.20	55° 01'	53° 36'	194.6	12.2	4092	"	"	"	"		
			4.46	55° 05'	53° 37'	195.3	11.9	-	"	"	"	"		
			4.50						3938-4313	"	"	.25		
			4.51						3656-4031	KP	3	.13		
			5.00	55° 08'	53° 39'	193.8	12.0	~ 3950	"	"	"	"		
			5.20	55° 12'	53° 41'	196.4	12.4	3621	"	"	"	"		
			5.40	55° 16'	53° 44'	194.9	12.5	3623	3469-3844	"	"	.38		
			6.00	55° 20'	53° 46'	195.9	12.7	3664	"	"	"	"		
			6.20	55° 24'	53° 48'	195.9	12.3	3688	"	"	"	"		
			6.40	55° 28'	53° 50'	197.6	12.8	3560	3188-3563	KZ	2	.25		
			7.10	55° 34'	53° 53'	196.0	12.4	3378	"	"	"	"		
			7.20	55° 36'	53° 54'	196.2	12.2	3163	3094-3469	KP	"	.38		
			7.30	55° 38'	53° 55'	196.2	12.2	2733	2625-3000	KP	"	.00		
			7.40	55° 40'	53° 56'	196.0	12.6	2889	"	"	"	"		
			8.00	55° 44'	53° 58'	196.8	12.5	2810	"	"	"	"		
			8.20	55° 48'	54° 00'	195.9	12.5	2858	"	"	"	"		
			8.28					3014	2719-3074	K-P	3	.38		
			8.38					3088	2813-3188	"	"	.25		
			8.40	55° 52'	54° 02'	195.4	12.2	3095	"	"	"	"		
			8.45					3309	3000-3375	"	"	.00		
			8.47					3515	3281-3656	KP	2	.13		
			8.48					3664	3375-3750	"	"	.00		
			8.50	55° 54'	54° 03'	195.0	12.5	3962	3750-4125	KP	3	.00		
			8.52					4165	4031-4406	KP	2	.13		
			8.54					4405	4125-4500	"	"	.00		
			8.56					4689	4500-4875	KP-K-P	7	.00		
			9.00	55° 56'	54° 03'	193.6	12.4	4520	"	"	"	"		
			9.02					4470	4406-4781	"	"	.13		
			9.03					4434	4313-4688	"	"	.25		
			9.04					4290	4219-4594	"	"	.38		
			9.05					4277	4125-4500	KP	2	.00		

3.5 kHz Coupler
schlecht bei
gar nicht!

FISK
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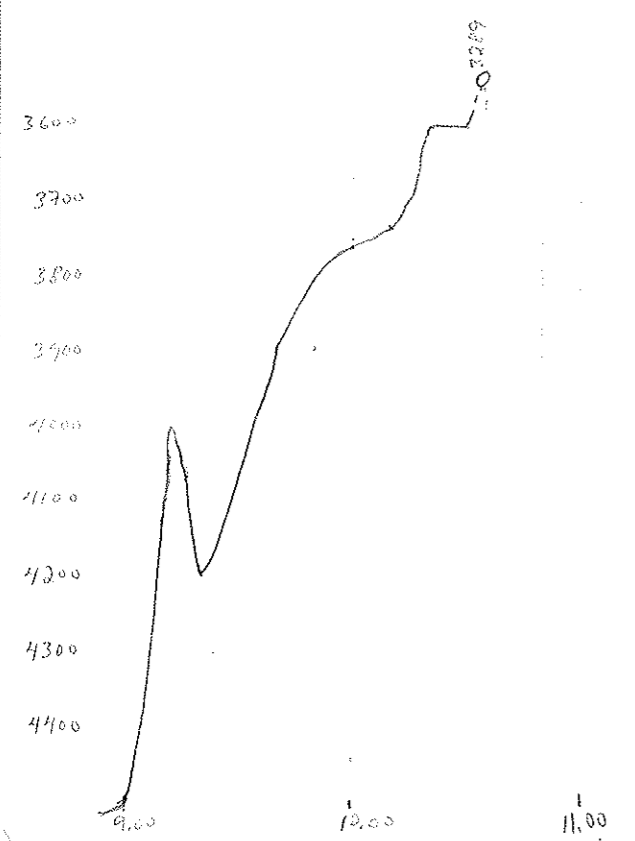
↑ NOJI
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Depth read from Sea Beam →



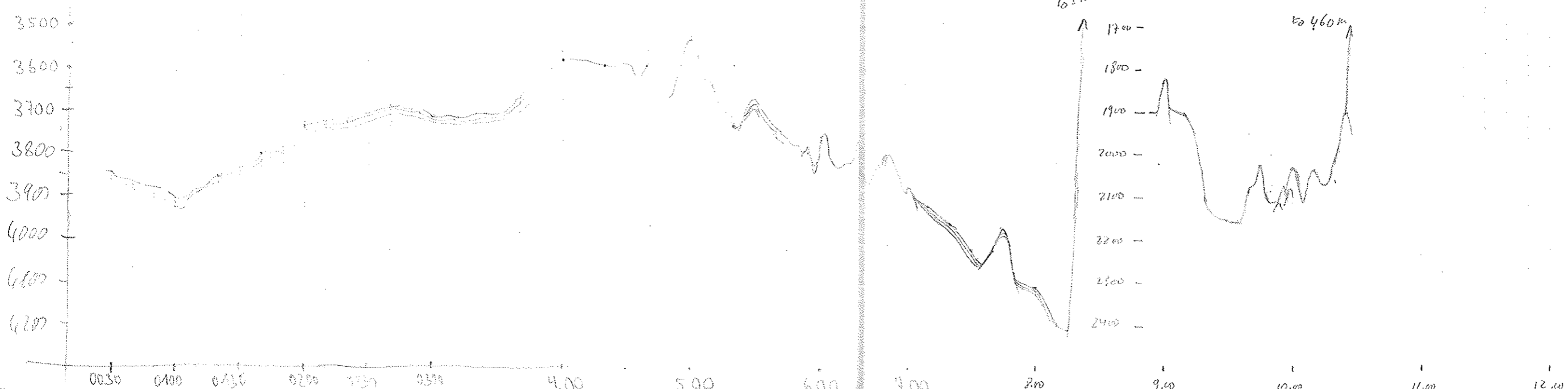
Roll Nr	Profil	Date	Zeit (GMT)	Latitude	Longitude	Course	Speed	Depth	Depth Range	Trigger	Sweep	Delay	Notes	Protokollant
3	1	13.11.85	9.10					4124	4031-4106	KP	2	.13		31
			9.12					4069	3844-4219	"	"	.38		NaJI
			9.20	56°00'	54°05'	195.3	12.3	4205	4031-4406	"	"	.13		↓
			9.30					4108	3938-4313	"	"	.25		
			9.32					4054	3844-4219	"	"	.38		
			9.36-9.37										← Stopped for "Reinirs"	
			9.40	56°04'	54°07'	192.9	12.3	3880	3656-4031	"	3	.13		
			10.00	56°08'	54°08'	193.5	12.8	3760	"	"	"	"		
			10.10	56°11'	54°09'	192.7	12.5	3736	3469-3844	"	"	.38		
			10.18					3610	3375-3750	"	2	.00		
			10.20	56°12'	54°10'	192.9	12.5	3605	"	"	"	"		
			10.35					3289	3094-3469	"	"	.38		
			10.40	56°16'	54°11'	192.8	12.5	3349	"	"	"	"		
			10.46					3215	3000-3375	K-P	3	.00		
			10.53					3210	3094-3469	KP	2	.38		
			10.57					3510	3181-3563	KP	2	.25		
			11.00	56°20'	54°11'	194.4	12.3	3504	3281-3656	KP	2	.13		↓ Laban
			11.04											

15.00 No record. See → *

⊛ { 3.5 KC stop, no record because of rapid change in height see record of echosounder



Roll	Profile	Date	Time (GMT)	Latitude	Longitude	Course	Speed	Depth	Depth Range	Sweep	Trigger	Delay	Notes
3	1	14 Nov 85	0030	59 06 00	55 34 14	193	13.5	3822	3469-3844	3	KP	0.38	Newstart Operator
			0040	59 07 48	55 33 70	196.6	13.7	3842	3656-4031	3	KP	0.13	Bernal
			0110	59 14 21	55 35 75	195	13.2	3844	"	"	"	"	
			0120	59 16 41	55 36 99	195	12.9	3812	"	"	"	"	
			0141	59 20 78	55 39 12	196.7	12.8	3800	"	"	"	"	
			0200	59 24 82	55 41 06	195.2	13.4	3730	"	"	"	"	
			0220	59 29 12	55 43 37	195.8	12.8	3721	"	"	"	"	
			0240	59 33 16	55 45 51	194.2	12.8	3717	"	"	"	"	
			0300	59 36 80	55 47 72	195.7	12.8	3702	"	"	"	"	
			0325	59 41 93	55 50 08	190.8	12.5	3700	3469-3844	"	"	0.38	
			0330	59 43 04	55 50 50	191.1	12.7	3702	"	"	"	"	
			0340	59 45 07	55 51 47	192.7	13.4	3651	"	"	"	"	Grunig
			0400	59 49 66	55 53 30	192.9	13.4	3557	"	"	"	"	
			4.20	59 53 74	55 55 30	193.6	13.7	3569	"	"	"	"	
			4.40	59 58 25	55 57 40	194.1	13.4	3598	"	"	"	"	
			5.00	60 00 42	56 02 42	190.6	13.5	3525	"	"	"	"	
			5.22	60 05 80	56 04 53	190.3	12.5	3739	"	"	"	"	
			5.40	60 09 74	56 05 97	190.1	13.5	3733	"	"	"	"	
			6.00	60 13 75	56 09 64	188.1	13.3	3744	"	"	"	"	
			6.20	60 18 38	56 10 91	187.7	13.8	3802	3563-3938	"	"	0.25	
			6.40	60 22 70	56 12 23	189.1	13.6	3809	"	"	"	"	
			6.50	60 24 17	56 12 44	190.3	12.9	3889	"	"	"	"	
			7.00	60 26 31	56 13 22	189.9	12.9	3926	3656-4031	"	"	0.13	
			7.20	60 30 55	56 14 17	188.5	12.8	3999	3750-4125	"	"	0.00	
			7.40	60 34 34	56 16 48	193.7	13.0	4023	"	"	"	"	de groot
			8.00	60 38 98	56 18 40	193.6	12.8	4104	3844-4219	2	"	0.38	
			8.20	60 42 12	56 18 03	194.2	12.1	3938	4031-4406	2	"	0.13	
			8.28										
			8.40	60 46 02	56 20 05	193.6	12.0	7546??					water depth suddenly indicating 7500 m during ±5 minutes High peaks!!!!
			9.00	60 49 30	56 22 08	193.6	11.9	6921??	1594-1969	2	KP	0.38	
			9.20	60 54 68	56 23 68	198.1	12.3	0000	1875-2250	2	"	0.00	
			9.40	60 58 51	56 25 92	196.9	12.4	2087	"	"	"	"	
			10.00	61 02 35	56 28 62	194.7	12.3	2033	"	"	"	"	
			10.22	61 06 68	56 31 20	196.6	12.0	1979	"	"	"	"	
			10.48	61 10 69	56 33 35	192.7	12.7	1318	1219-1594	5	KPK-P	0.38	
			11.00	61 14 44	56 36 81	196.5	13.0	467	281-656	2	KP	0.00	
			11.20	61 18 91	56 39 34	192.7	12.6	620	375-750	2	KP	0.00	



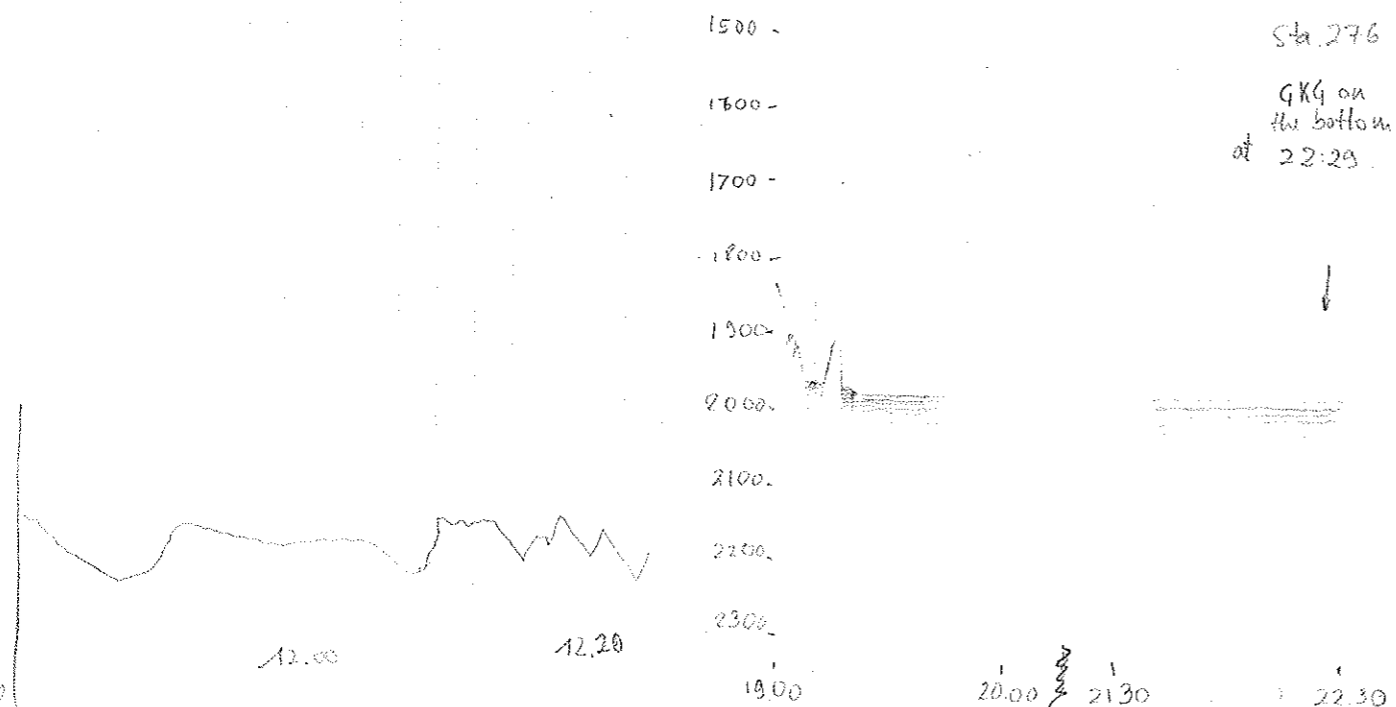
Notes 33
 Newstart Operator
 Bernal
 Grunig
 de groot
 water depth suddenly indicating 7500 m during ±5 minutes High peaks!!!!
 Na Hries

Roll	Profil	Date	Time	Latitude	Longitude	Course	Speed	Depth	Depth-Range	Sweep	Trigger	Delay	Notes
3	1	14.11.	11.40	61° 23,26'	56° 42,03'	192,1	14,0	499	375-750	2	KP	,00	
			12.00	61° 27,12'	56° 43,93'	192,5	13,5	481	"	"	"	"	
			12.10	61° 31,53'	56° 45,80'	191,6	13,3	496	"	"	"	"	
			12.40	61° 35,34'	56° 47,18'	192,0	13,4	502	"	"	"	"	
			13.00	61° 40,10'	56° 48,61'	194,2	13,2	497	"	"	"	"	
			13.20	61° 44,40'	56° 51,02'	192,7	12,9	414	"	"	"	"	
4	1	14.11.	13.40	61° 48,42'	56° 53,27'	191,5	12,9	421	"	"	"	"	
			14.00	61° 53,22'	56° 54,98'	192,3	13,1	381	221-658	2	KP	0,13	
			14.20	61° 57,40'	56° 56,54'	191,1	12,6	459	"	"	"	"	
			14.40	62° 01,05'	56° 58,34'	209,9	12,9	723	469-844	3	K-P	0,38	
			15.10	62° 05,14'	57° 03,67'	208,4	12,8	1518	1313-1688	5	KPK-P	0,25	
			15.20	62° 08,55'	57° 07,98'	214,0	12,6	1788	1594-1969	2	K-P	0,38	
			15.40	62° 11,08'	57° 14,18'	220,0	12,2	1927	1219-1594	5	KPK-P	0,38	
			15.50	62° 12,70'	57° 17,15'	219,5	12,9	1614	1313-1658	5	KPK-P	0,25	
			16.00	62° 14,72'	57° 20,63'	214,3	12,0	1746					

3.5 KHz record was turned off because of mooring recovery (6. meter)

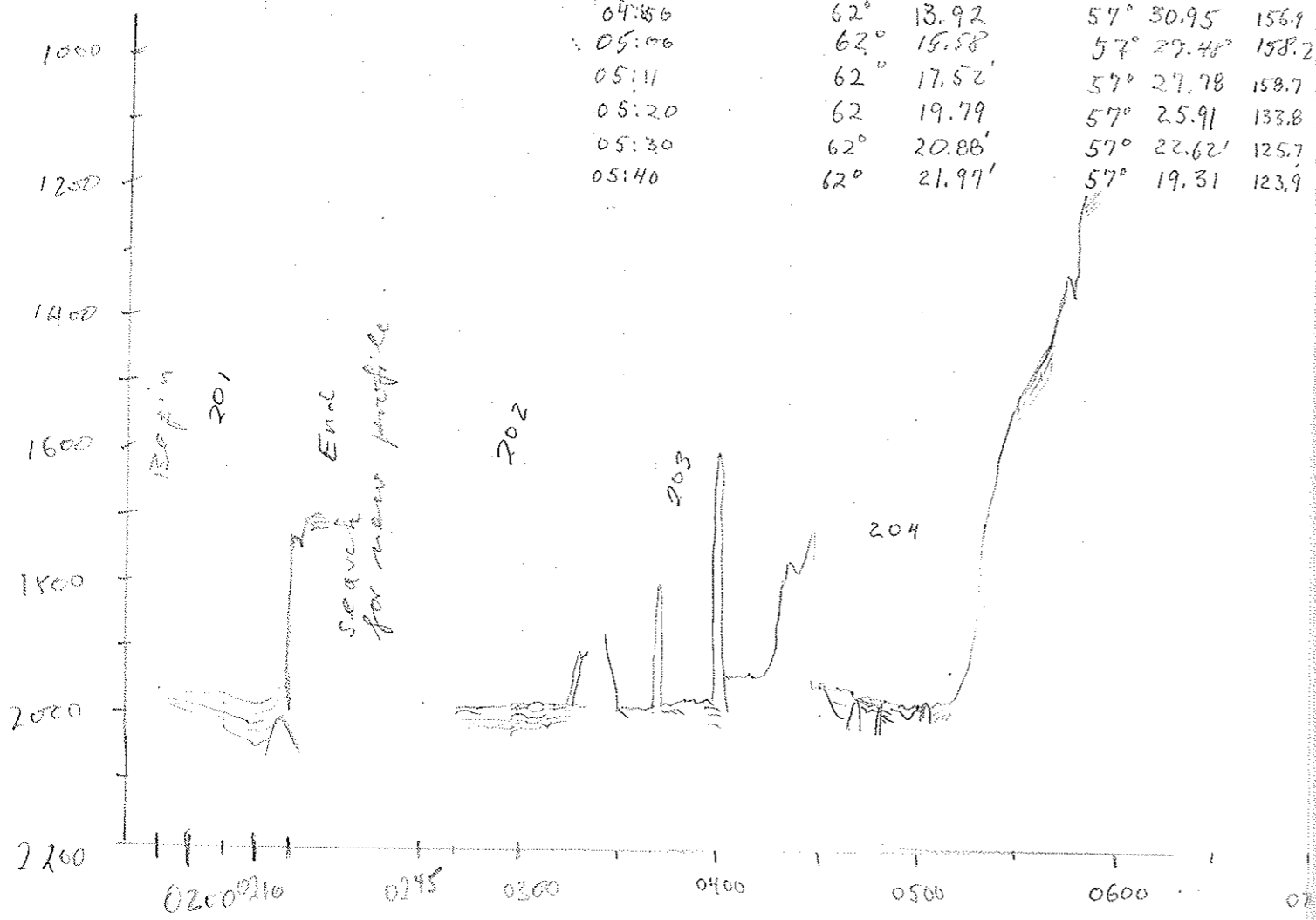
4	2	14/11	19:00	62° 19,51'	57° 25,75'	276,1	9,9	1838	1781-2156	2	KP	0,13	
			19:10	62° 19,72'	57° 34,60'	314,3	10,7	1976	"	"	"	"	
			19:20	62° 19,29'	57° 34,15'	340,6	10,4	1984	"	"	"	"	
			19:30	62° 16,64'	57° 37,15'	275,2	11,0	1922	"	"	"	"	
			19:40	62° 16,60'	57° 39,31'	243,2	1,5	1981	"	"	"	"	
				Profile 2 was completed at 19:40									
4	on Sta 276	14/11	21:44	62° 17,60'	57° 39,8'	272,2	4,7	1983	1781-2156	2	KP	"	3.5 KHz turned on at 21:44 on Sta 276
			21:50	62° 17,65'	57° 39,97'	299,7	4,3	1986	"	"	"	"	
			22:10	62° 16,88'	57° 34,22'	146,3	0,7	1983	"	"	"	"	
			22:33	62° 16,97'	57° 39,13'	134,7	0,2	1984	"	"	"	"	

3.5 KHz turned off at 22:35



Valdivia

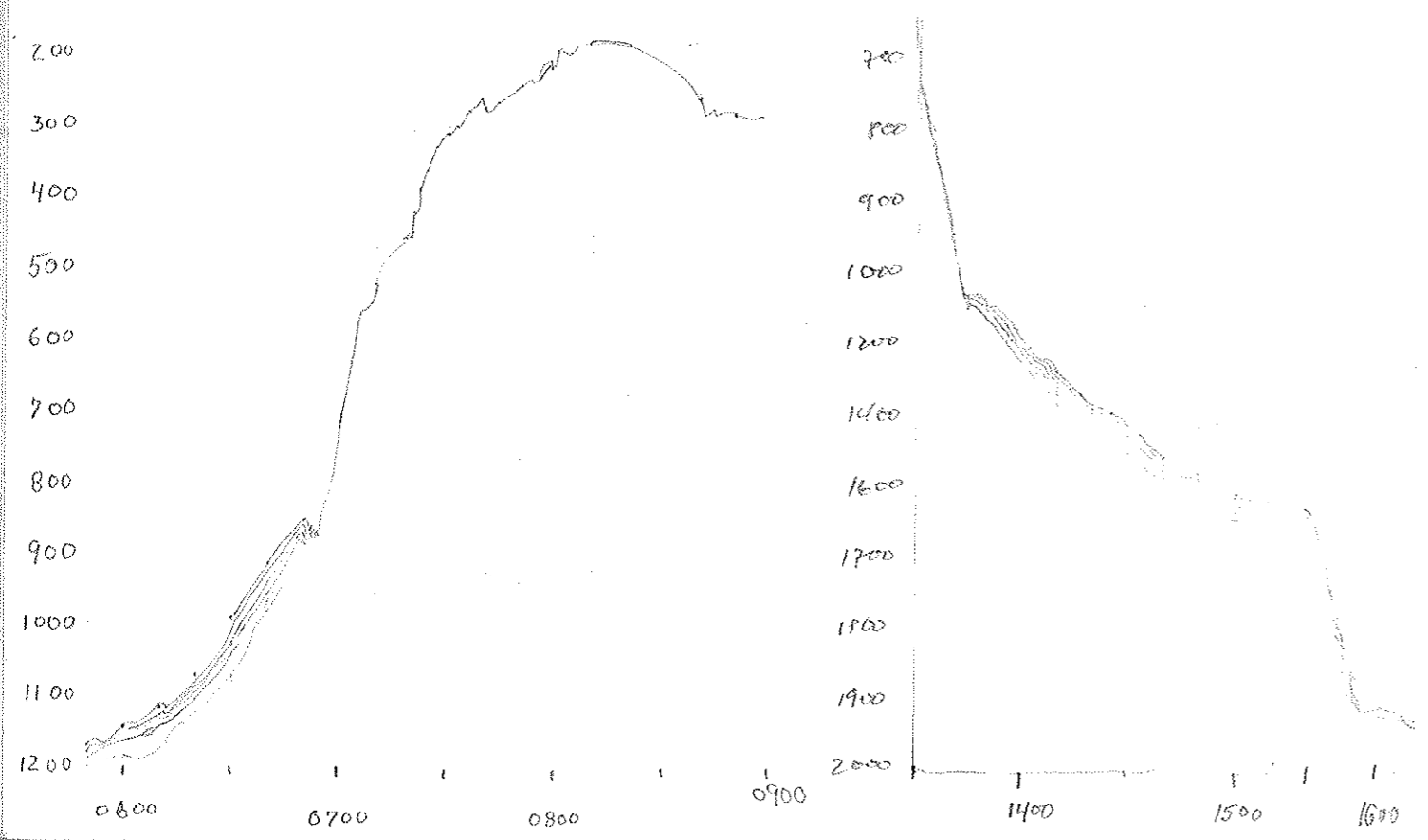
Roll	Profile	Date	Time	Latitude	Longitude	Cour	Speed	Depth	Depth Range	Sweep	Trigger	Delay	Notes
	Begin	15/11/85											
4	201		01:51	62° 16.67	57° 39.07	196	9.4	1981	1781-2156	2	PK	0.13	Begin
			02:00										
			02:10	62° 19.37	57° 36.37	158	10.9	1979	"	"	"	"	
			02:18	62° 20.91	57° 35.34	158	10.5	1795	"	"	"	"	End
4			02:30	62° 20.32	57° 33.95	35	9.5	1821	1688-2063	2	PK	0.25	search
			02:40	62° 19.89	57° 32.30	28	10.6	1977	"	"	"	"	"
4	202		02:45	62° 19.49	57° 36.59	68	9.1	1981	"	"	"	"	Begin
			02:50	62° 19.23	57° 35.55	67	10.6	1982	"	"	"	"	
			03:00	62° 18.55	57° 31.84	69	11.1	1977	"	"	"	"	
			03:20	62° 17.21	57° 24.49	67	11.3	1908	"	"	"	"	FISK
4	203		03:30	62° 17.00	57° 24.89	316	9.1	1966	"	"	"	"	Begin
			03:40	62° 15.44	57° 26.27	338	10.9	1978	"	"	"	"	
			03:50	62° 13.99	57° 27.76	332	10.6	1976	"	"	"	"	
			04:00	62° 12.07	57° 29.22	336	10.7	?	"	"	"	"	
			04:10					1942	"	"	"	"	
			04:11	62° 10.31	57° 30.81	336	10.7		"	"	"	"	END
			04:21	62° 09.93	57° 33.29	228	10.1	1769	"	"	"	"	
4	204		04:31	62° 11.01	57° 33.62	153	9.5	1952	"	"	"	"	Begin
			04:40	62° 12.	57° 32.	155	11.1	1964	"	"	"	"	
			04:56	62° 13.92	57° 30.95	156	11.0	1979	"	"	"	"	
			05:06	62° 15.58	57° 29.48	158	11.3	1978	"	"	"	"	
			05:11	62° 17.52	57° 27.78	158	10.7	1932	"	"	"	"	END
			05:20	62° 19.79	57° 25.91	133	11.5	1705					
			05:30	62° 20.88	57° 22.62	125	11.6	1527	1406-1781	5	KPK-P	.13	
			05:40	62° 21.97	57° 19.31	123	11.1	1436	1125-1500	2	KP	.00	FISK



Roll	Profile	Date	Time (GMT)	LATITUDE (°S)	LONGITUDE (°W)	Course	Speed (KT)	Depth (m)	Depth Range	Sweep	Trigger	Delay
4		15/11/85	0600	62° 23.43'	57° 11.59'	112.2	11.9	1148.0	844-1219	2	KP	0.38
			0620	62° 26.04'	57° 07.71'	127.3	10.5	1070	"	"	"	"
			0640	62° 28.16'	57° 01.79'	128.6	10.1	919	"	"	"	"
			0700	62° 30.23'	56° 55.96'	126.1	11.0	725	563-938	3	K-P	0.25
			0720	62° 32.83'	56° 47.71'	129.4	11.6	440	188-563	2	KP	0.25
			0740	62° 35.36'	56° 41.36'	130.1	11.8	273	"	"	"	"
			0800	62° 37.45'	56° 34.65'	131.4	11.4	190	"	"	"	"
			0820	62° 40.01'	56° 28.63'	128.9	11.4	180	0-375	2	P	0.00
			0840	62° 42.17'	56° 22.73'	131.4	5.7	263	"	"	"	"
			0900	62° 43.24'	56° 21.30'	108.4	0.7	285	"	"	"	"
			1330	67° 33.87'	57° 05.79'	298.7	10.6	710	469-844	3	K-P	0.38
			1338	67° 33.12'	57° 08.70'	299.5	10.7	906	750-1125	3	K-P	0.00
			1350	62° 32.34'	57° 14.14'	301.0	10.7	1062	844-1219	2	KP	0.38
			1400	62° 31.46'	57° 17.43'	299.8	10.8	1148	"	"	"	"
			1402	62° 31.27'	57° 18.13'	299.7	10.8	1170	1125-1500	2	KP	0.00
			1410	62° 30.58'	57° 20.89'	297.6	10.6	1254	"	"	"	"
			1420	62° 29.79'	57° 24.17'	297.3	10.6	1335	"	"	"	"
			1430	62° 29.02'	57° 27.74'	293.8	10.7	1440	"	"	"	"
			1433	62° 28.81'	57° 28.27'	293.8	10.7	1466	1406-1781	5	KPK-P	0.13
			1440	62° 28.25'	57° 31.30'	296.2	10.7	1515	"	"	"	"
			1450	62° 27.39'	57° 35.01'	297.0	11.0	1570	"	"	"	"
			1500	62° 26.70'	57° 38.16'	296.8	11.2	1634	"	"	"	"
			1520	62° 25.17'	57° 45.33'	294.0	11.2	1728	1628-2463	2	KP	0.25
			1540	62° 23.74'	57° 52.78'	294.9	10.6	1874	"	"	"	"
			1600	62° 22.73'	57° 58.82'	292.1	7.7	1963	"	"	"	"
			1609	Sea base	3,5 KH	Wojca Station	ubjedal					

Watchstander
 FISK
 Station work
 Sues

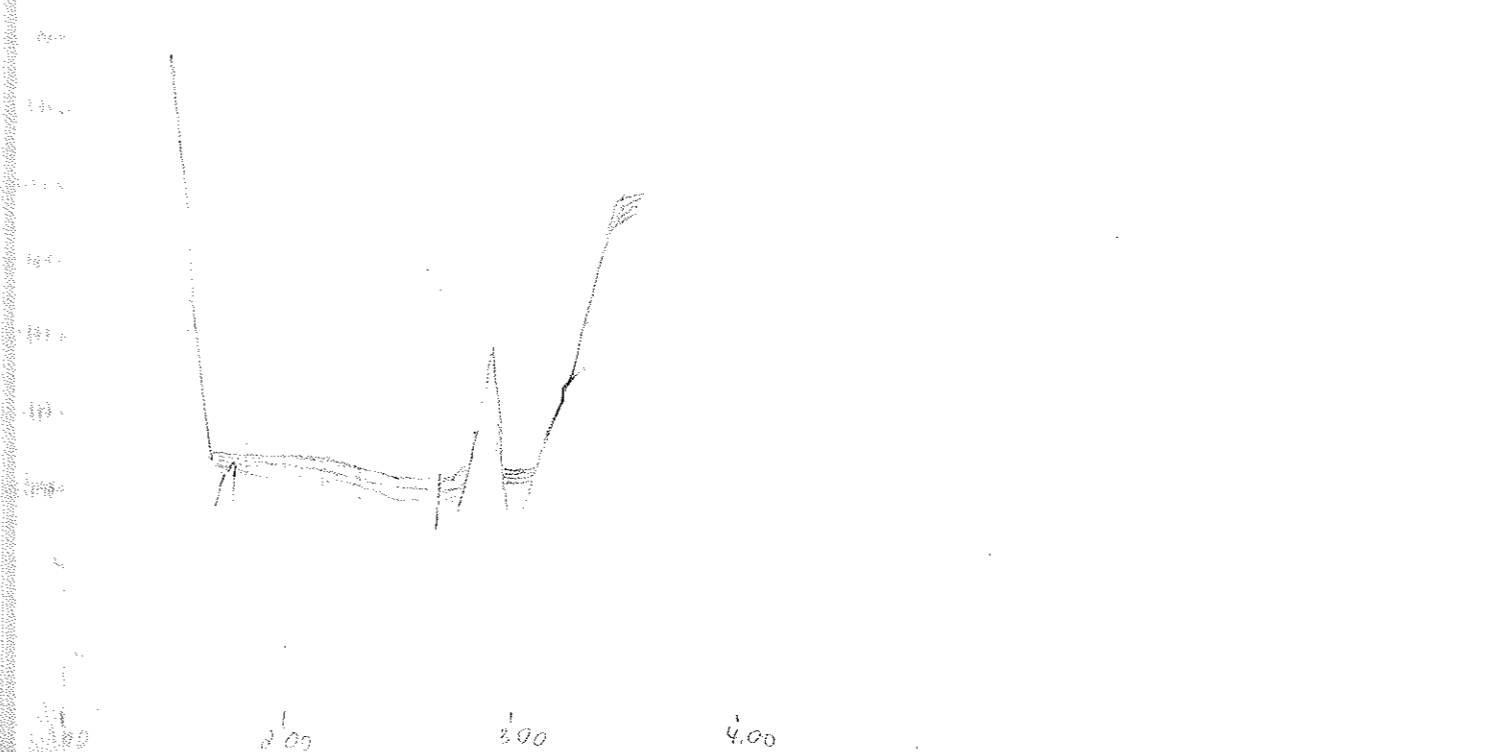
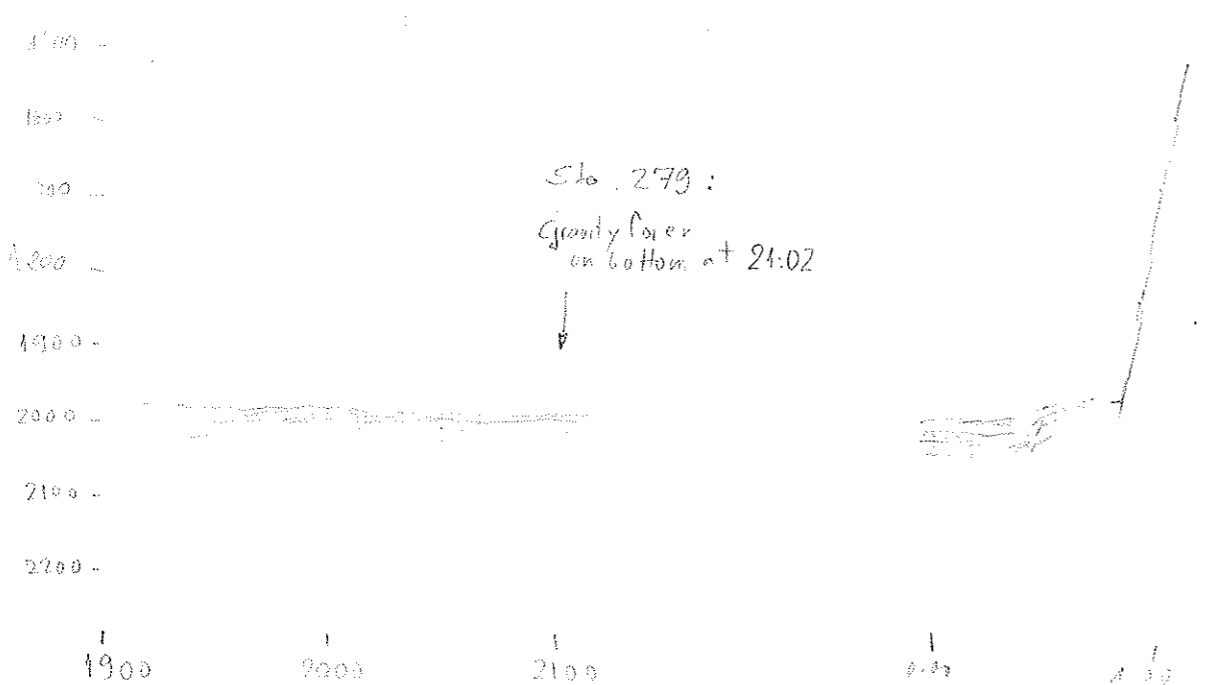
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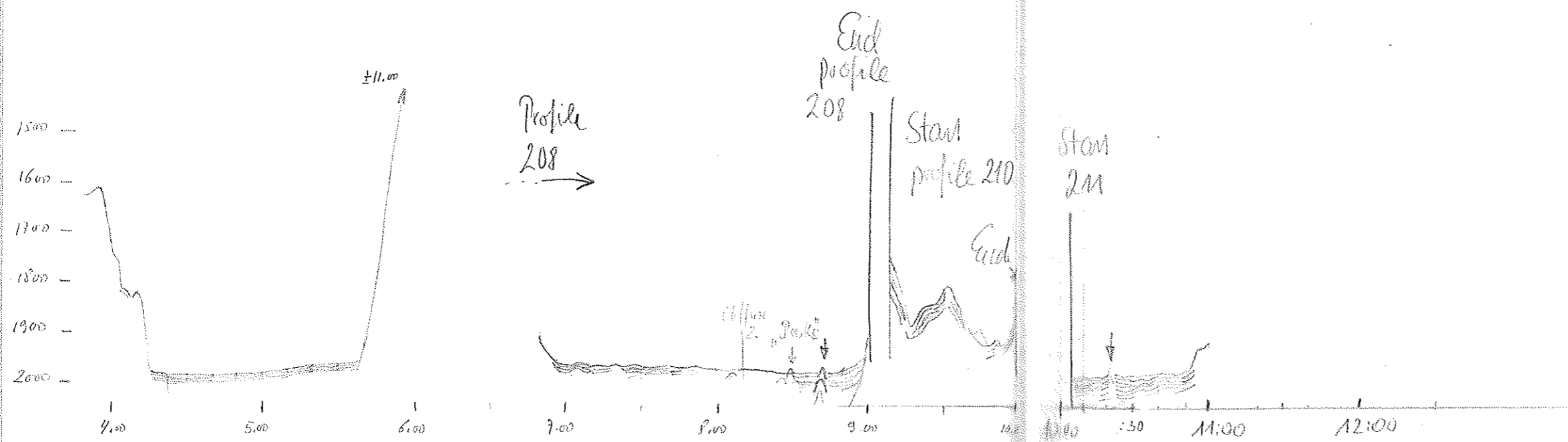
Roll Profile	Date	Time	Latitude	Longitude	Course	pod	Depth	Depth Range	Sweep	Trigger	Delay	Notes
4	15/11		3.5 KHz	turned on	at 19:08	Begin	at Sta. 278					
		19:20	62° 21.59'	57° 58.73'	49.3	4.1	1975	1688-2063	2	KP	0.25	
		19:30	62° 20.96'	57° 51.22'	48.5	10.1	1975	"	"	"	"	
		19:40	62° 19.76'	57° 48.28'	49.0	10.2	1976	"	"	"	"	
		19:50	62° 18.62'	57° 45.27'	49.0	10.7	1983	"	"	"	"	(Valdivia)
		20:00	62° 17.78'	57° 44.78'	80.7	2.5	1979	"	"	"	"	
		20:20	62° 16.48'	57° 38.95'	100.7	0.6	1979	"	"	"	"	arrive to
		20:40	62° 16.51'	57° 38.80'	323.8	0.3	1979	"	"	"	"	St. 279 at
		21:02	62° 16.54'	59° 38.67'	117.7	0.0	1978	"	"	"	"	20:22 gm.
			3.5 KHz	turned off	at	21:12	(end at Sta. 279.)					

4 start 205	16/11	00:20	62° 16.57'	57° 39.45'	358.6	5.2	1980	1688-2063	2	KP	0.25	start Profile 205 Vefes
		00:30	62° 15.36'	57° 40.38'	345.0	5.2	1974	"	"	"	"	
		00:40	62° 14.59'	57° 41.01'	338.7	5.8	1968	"	"	"	"	
		00:50	62° 13.37'	57° 40.75'	323.9	5.5	1973	"	"	"	"	(Porcesita)
		01:00	62° 12.58'	57° 41.61'	312.6	5.6	1682	"	"	"	"	
		01:05						1500-1871	5	KPK-P	0.00	
		01:08	62° 11.79'	57° 42.27'	342.1	5.9	1525	1343-1688	5	"	0.25	END

4 start 206	16/11	1:30	62° 11.18'	57° 38.53'	160.9	4.6	1422	1343-1688	5	KPK-P	0.25	START
		1:35					1756	1194-1468	2	KP	0.38	
		1:41	62° 12.02'	57° 38.53'	159.8	5.0	1852	1875-2230	2	KP	0.00	
		1:50	62° 12.02'	57° 38.32'	159.2	5.4	1862	"	"	"	"	
		2:00	62° 13.12'	57° 39.55'	159.0	4.7	1964	"	"	"	"	(Porcesita)
		2:10	62° 13.80'	57° 38.87'	158.2	4.6	1972	"	"	"	"	
		2:20	62° 14.64'	57° 38.26'	157.6	5.5	1979	"	"	"	"	
		2:30	62° 15.38'	57° 37.68'	156.9	5.0	1986	"	"	"	"	
		2:42	62° 16.22'	57° 37.95'	169.3	4.3	1988	"	"	"	"	
		2:51	62° 16.91'	57° 37.32'	160.0	5.2	1938	"	"	"	"	
		2:53	62° 17.06'	57° 37.18'	160.2	5.5	1907	1584-1968	"	"	0.38	
		2:56	62° 17.33'	57° 37.94'	161.4	4.9	1979	1787-2156	"	"	0.13	
		3:01	62° 17.67'	57° 37.74'	164.2	4.2	1878	"	"	"	"	
		3:20	62° 19.02'	57° 29.50'	161.4	4.5	1756	1594-1969	"	"	0.38	
End of 207		3:31	62° 19.81'	57° 28.82'	157.5	3.6	1626	"	"	"	"	ende ↓ de groot



Roll	Profile	Date	Time	Latitude	Longitude	Course	Speed	Depth	Depth range	Sweep	Trigger	Delay	Notes	
4	Start 206	16/11	3.51	62° 28' 20	57° 31' 99	339.0	6.8	1627	1594-1969	2	KP	0.38	START de grost	
			4.00	62° 21' 14	57° 36' 73	333.5	5.4	1750	"	"	"	"		
			4.20	62° 19' 32	57° 37' 14	412.7	6.0	1987	1875-2250	"	"	0.00	→ Ship drifted 4000m to far to the W. Profile line changed	
			4.41	62° 17' 54	57° 36' 47	9.0	6.0	1987	"	"	"	"		
			4.53	changing course on old profile line										
			5.00	62° 15' 67	57° 36' 23	52.5	4.6	1985	"	"	"	"		
			5.02	62° 15' 46	57° 36' 18	336.3	4.1	1981	"	"	"	"		
			5.20	62° 13' 79	57° 37' 72	340.2	4.5	1968	"	"	"	"		
			5.40	62° 12' 24	57° 37' 19	339.2	4.3	1945	"	"	"	"		
			5.45	62° 11' 83	57° 37' 63	333.6	4.2	1831	1688-2063	"	"	0.25		
			5.51	62° 11' 29	57° 38' 20	328.5	4.7	1516	?	?	?	?	Rising very rapidly!	
	End 206		6.00	62° 10' 40	57° 39' 09	329.5	8.6	1126	?	?	?	?	END	
4	Start 208	16/11	6.39	62° 09' 61	57° 33' 87	156.6	4.3	1672	1594-1969	2	KP	0.38	START Profile	
			6.53	62° 10' 19	57° 31' 39	190.9	4.9	1589	1688-2063	"	"	0.25		
			7.00	62° 10' 49	57° 31' 39	190.9	4.9	1589	"	"	"	"		
	208 Profile		7.30	62° 12' 67	57° 32' 95	124.9	4.2	1967	"	"	"	"	Einige Störwürmer, Sargass!	
			8.00	62° 13' 62	57° 30' 17	140.9	4.9	1978	"	"	"	"		
			8.30	62° 16' 27	57° 27' 17	166.8	4.2	1979	"	"	"	"		
			9.00	62° 11' 26	57° 25' 67	158.6	4.9	1970	"	"	"	"	max. "Pouke", Bakuside	
	End 208		9.05	62° 11' 94	57° 25' 35	171.7	4.5	1808	"	"	"	"	End 208	
	Start Profile 210		9.40	62° 19' 18	57° 25' 97	242.6	4.2	1771	"	"	"	"	209 fällt aus	
			9.30	62° 19' 78	57° 29' 09	247.9	4.9	1810	"	"	"	"	Start 210	
	End 210		10:00	62° 20' 70	57° 41' 11	248.6	4.9	1872	"	"	"	"	Ende "	
	Start 211		10:05	62° 20' 49	57° 41' 87	327.5	4.8	1990	"	"	"	"	Start 211	
			10:30	62° 18' 05	57° 44' 05	334.4	4.0	1985	"	"	"	"		
			11:00	62° 17' 66	57° 44' 57	347.4	4.6	1970	"	"	"	"	Fischer ↓	



Rolle Nr.	Profil Nr.	Datum	Zeit (GMT)	Latitude	Longitude	Kurs	Speed	Tiefe (m)	Depth range (m)	Trigger	Swag	Delay	Bemerkung	Protokollant
4	211	16. nov. 85	11:13	62° 13'	57° 46'	333	5.0	1569	1406-1781	KPK-P--	5	0.13	Change	Arias
			11:20	62° 13'	57° 46'	336	5.3	1435	"	"	"	"	"	
			11:23	62° 13'	57° 46'	353	5.5	1348	1125-1500	KP---	2	"	Change	
			11:45	62° 11'	57° 47'	228	4.8	739	844-1219	KP--	2	0.38	"	
			11:50	62° 11'	57° 47'	219	5.2	730	656-1031	K-P--	3	0.13	"	
			12:00	62° 11'	57° 49'	217	5.5	840	"	"	"	"	"	
			12:11	62° 12'	57° 49'	203	5.4	1107	938-1313	KP---	2	0.25	Change	
			12:26	62° 12'	57° 50'	198	3.5	1267	"	"	"	"	"	
			12:24	62° 12'	57° 50'	205	4.3	1374	1125-1500	"	"	0.00	Change	
			12:32	62° 13'	57° 50'	210	4.8	1540	1406-1781	KPK-P--	5	0.13	"	
4	212		12:40	62° 13'	57° 50'	146	3.7	1512	"	"	"	"	New profile	
			12:44	62° 13'	57° 50'	179	3.5	1517	"	"	"	"	"	
			13:00	62° 15'	57° 52'	148	2.2	1569	"	"	"	"	"	
			13:02	62° 15'	57° 52'	154	3.6	1869	1688-2063	KP---	2	0.25	Change	
			13:20	62° 16'	57° 51'	165	3.0	1977	"	"	"	"	"	
			13:40	62° 17'	57° 50'	151	2.4	1979	"	"	"	"	"	
			14:00	62° 18'	57° 50'	150	2.7	1986	"	"	"	"	"	
			14:20	62° 20'	57° 46'	154	2.5	1986	"	"	"	"	"	
			14:40	62° 21'	57° 44'	162	3.7	1752	"	"	"	"	"	
			15:00	62° 23'	57° 43'	153	3.0	1795	"	"	"	"	"	
			15:20	62° 23'	57° 44'	246	7.0	1829	"	"	"	"	"	
			15:40	62° 24'	57° 52'	244	7.4	1970	"	"	"	"	"	
			16:00	62° 25'	57° 58'	244	9.0	1957	"	"	"	"	"	
			16:20	62° 27'	58° 04'	243	9.7	1925	"	"	"	"	"	
			16:40	62° 28'	58° 12'	240	10.2	1837	"	"	"	"	"	
			16:52	62° 30'	58° 16'	237	9.8	1721	1584-1969	"	2	0.38	Change	
			17:00	62° 30'	58° 19'	239	10.1	1670	"	"	"	"	"	
			17:07	62° 31'	58° 21'	241	10.0	1574	1406-1781	KPK-P	5	0.13	Change	
			17:20	62° 32'	58° 26'	241	10.3	1681	"	"	"	"	"	
			17:40	62° 33'	58° 31'	244	10.2	1673	"	"	"	"	"	
			18:00	62° 35'	58° 37'	239	10.5	1671	"	"	"	"	"	
			18:20	62° 36'	58° 44'	242	9.9	1668	"	"	"	"	"	
			18:40	62° 38'	58° 50'	243	9.6	1615	"	"	"	"	"	
			18:45	62° 38'	58° 51'	244	8.4	1593	1313-1688	"	"	0.25	Change	
			19:00	62° 38'	58° 53'	224	0.5	1457	"	"	"	"	"	
			19:24	62° 39'	58° 53'	64.3	0.3	~1420 (Etac)	Funktionskontrolle des 3.5 kHz-Aufzeichnung durch Herrn Bacht & Herrn Claus					
			19:40	62° 39'	58° 53'	7.6	0.3	1422	"	"	"	"	"	
			20:00	62° 39'	58° 53'	40.3	0.2	1375	1219-1594	KPK-P	5	0.38	"	
			20:20	62° 39'	58° 53'	349.4	0.1	1374	"	"	"	"	"	
			20:40	62° 40'	58° 58'	243.3	10.2	1189	1125-1500	KP	2	0.00	"	
			21:00	62° 41'	59° 05'	244.7	10.1	1467	1313-1688	KPK-P	5	0.25	"	
			21:20	62° 43'	59° 11'	245.1	10.4	1455	"	"	"	"	"	
			21:40	62° 44'	59° 18'	244.4	10.3	1325	"	"	"	"	"	
			22:00	62° 46'	59° 24'	244.5	10.3	1402	1031-1406	KP	2	0.13	"	
			22:20	62° 46'	59° 31'	247.3	9.9	1513	1219-1594	KPK-P	5	0.38	"	
			22:40	62° 48'	59° 37'	243.6	10.2	1311	"	"	"	"	"	
			23:00											Schlie

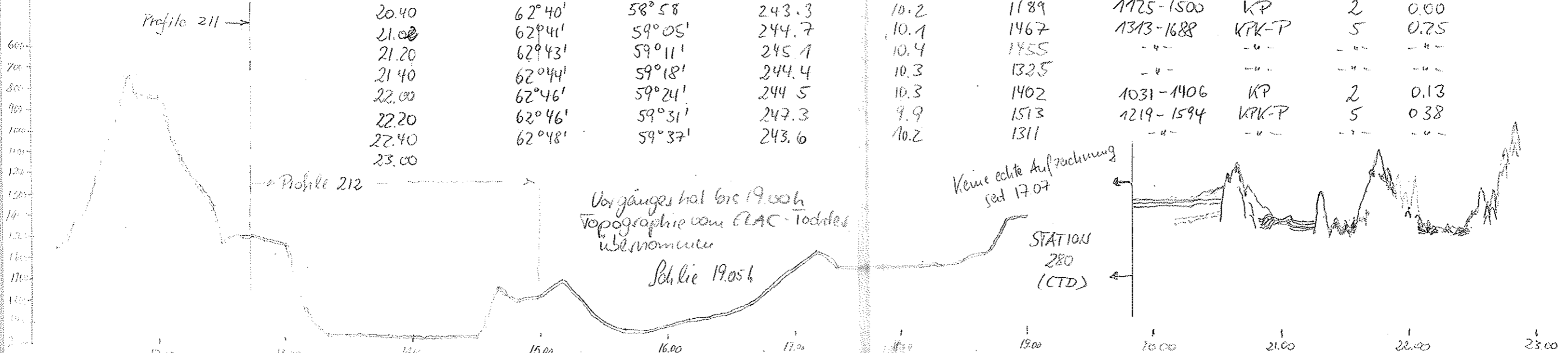
17:32- change the EPC P/N 220999
GM stylus belts - standard.

Seaborn letzte Aufzeichnung
zum 18.49.05 h
Sonargerät ausgefallen um
19.04 h

Vorgänger hat bis 19.00h
Topographie vom CLAC-Todes
übernommen
Schlie 19.05h

Keine echte Aufzeichnung
seit 17.07

STATION
280
(CTD)



Arias

Horn

Schlie

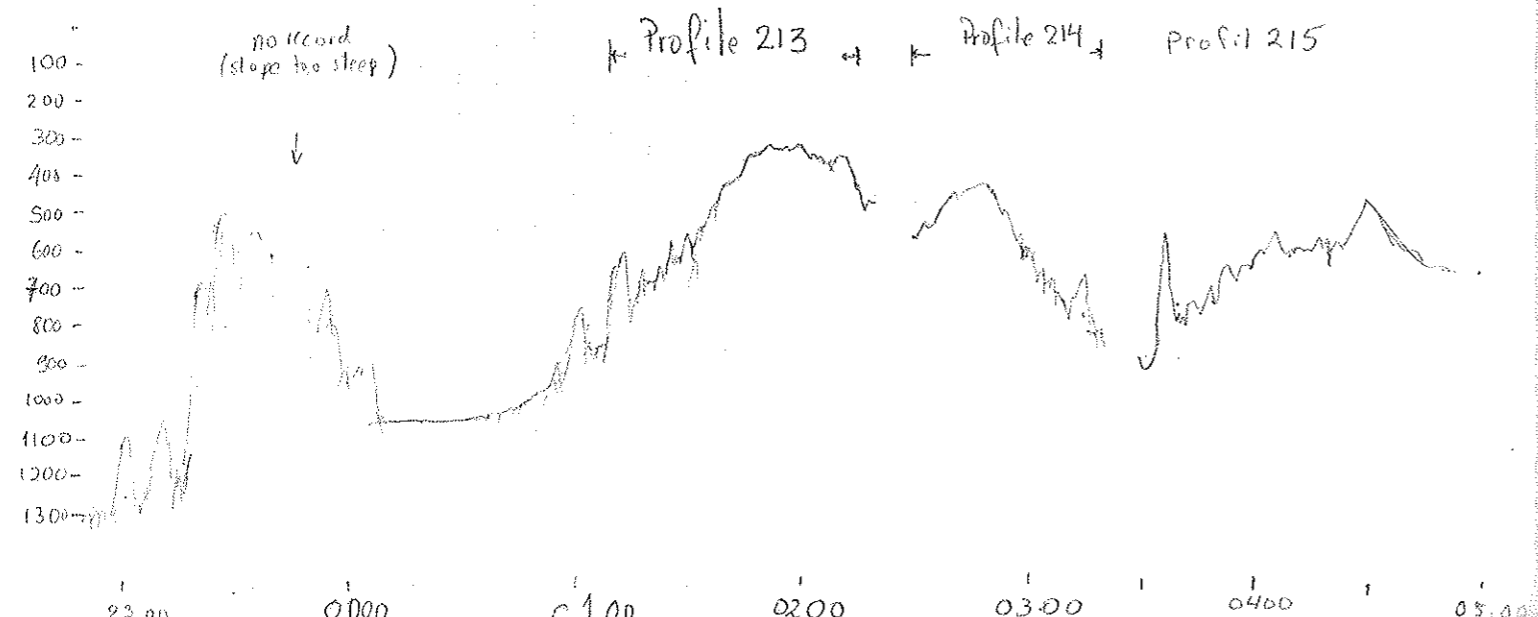
Schlie

Roll Nr.	Profil Nr.	Datum	Zeit (GMT)	Latitude	Longitude	Kurs	Speed	Tiefe [m]	Depth range [m]	Trigger	Sweep	Delay	Bemerkungen	Trickkoll.
		16. Nov. 1985	23.00	62° 49'	59° 43'	242.6	10.3	1102	938 - 1313	KP	2	0.25		Schlie
			23.10						750 - 1125	KP-	3	0.00		
			23.20	62° 51.3'	59° 48.9'	241.7	10.2	710	563 - 938	"	"	0.25		
			23.30	62° 52.1'	59° 51.9'	240.2	9.9	561	469 - 844	"	"	0.38		
			23.40	62° 52.7'	59° 54.9'	239.6	10.1	609	563 - 938	"	"	0.25		
		17. Nov. 1985	00.00	62° 53.7'	60° 02'	234.3	10.3	956	656 - 1031	"	"	0.13		
			00.10	62° 54.1'	60° 04'	230.9	9.4	1057	744 - 1291	KP	2	0.38		
			00.20				Monitor	1057	"	"	"	"		
			00.30	62° 56.39'	60° 09.3'	236.3	10.1	1051	"	"	"	"		
			00.40	62° 57.3'	60° 12.1'	235.7	10.0	1039	"	"	"	"		
			00.50	62° 58.2'	60° 15.2'	237.1	10.3	1001	"	"	"	"		

Roll Nr.	Profil Nr.	Datum	Zeit (GMT)	Latitude	Longitude	Kurs	Speed	Tiefe [m]	Depth range [m]	Trigger	Sweep	Delay	Bemerkungen	Trickkoll.
4	213	17. Nov. 1985	01.10	63° 00.1'	60° 21.6'	236.9	10.0	746	656 - 1031	K-P	3	0.13		Valdivia
			01.20	63° 01.1'	60° 25.1'	239.6	10.1	683	563 - 938	"	"	0.25		
			01.30	63° 01.7'	60° 27.6'	239.7	9.9	567	375 - 750	KP--	2	0.00		
			01.40	63° 02.51'	60° 30.7'	240.7	9.9	422	"	"	"	"		
			01.50	63° 03.2'	60° 33.6'	241.5	10.0	343	188 - 568	"	"	0.25		
			02.00	63° 03.9'	60° 36.6'	241.1	10.2	343	"	"	"	"		
			02.10	63° 04.7'	60° 39.7'	243.7	10.2	368	"	"	"	"		
			02.14	63° 05.02'	60° 41.10'	242	9.9	419	"	"	"	"		

Roll Nr.	Profil Nr.	Datum	Zeit (GMT)	Latitude	Longitude	Kurs	Speed	Tiefe [m]	Depth range [m]	Trigger	Sweep	Delay	Bemerkungen	Trickkoll.
5	214	"	02.33	63° 06.2'	60° 39.5'	64.9	9.7	573	281 - 656	K-P	3	0.13		
			02.40	63° 05.2'	60° 35.3'	61.8	9.6	467	"	"	"	"		
			02.50	63° 04.4'	60° 31.9'	61.7	9.9	456	"	"	"	"		
			03.00	63° 03.5'	60° 28.2'	62.6	9.9	614	"	"	"	"		
			03.20	63° 01.8'	60° 21.2'	63.5	10.1	774	469 - 844	K-P	"	0.38		

Roll Nr.	Profil Nr.	Datum	Zeit (GMT)	Latitude	Longitude	Kurs	Speed	Tiefe [m]	Depth range [m]	Trigger	Sweep	Delay	Bemerkungen	Trickkoll.
	START PROFILE 215		03.34	63° 03.23'	60° 19.27'	247.6	8.3	762	563 - 938	"	"	0.25		FISK
			03.40	63° 03.44'	60° 20.02'	246.0	8.8	796	"	"	"	"		
			04.00	63° 04.77'	60° 25.86'	242.0	9.0	711	"	"	"	"		
			04.20	63° 06.20'	60° 31.64'	240.8	8.9	629	"	"	"	"		
	END PROFILE 215		04.39	63° 07.71'	60° 38.15'	240.1	9.8	665	"	"	"	"		
			04.41	63° 07.89'	60° 38.51'	203.2	9.2	670	"	"	"	"		



ROLLE PROFILE DATUM ZEIT (GMT) LATITUDE LONGITUDE KURS Speed (kt) Tiefe (m) Depth Range (m) TRIGGER SWEEP DELAY COMMENT

5 17 Nov 1985

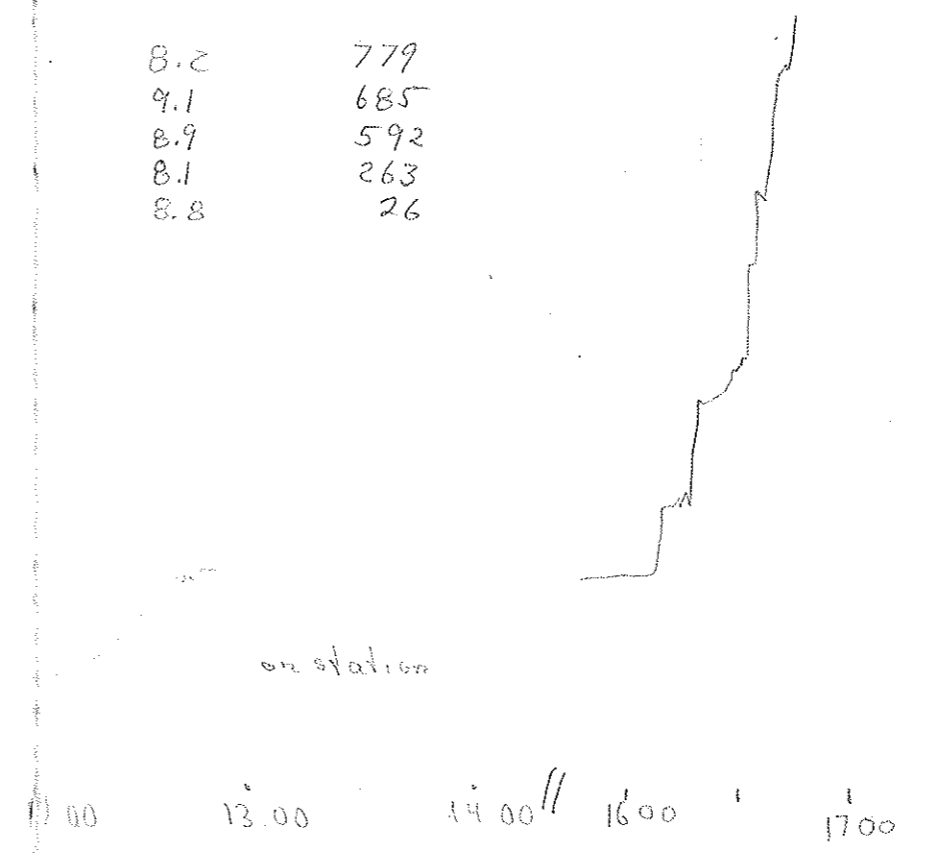
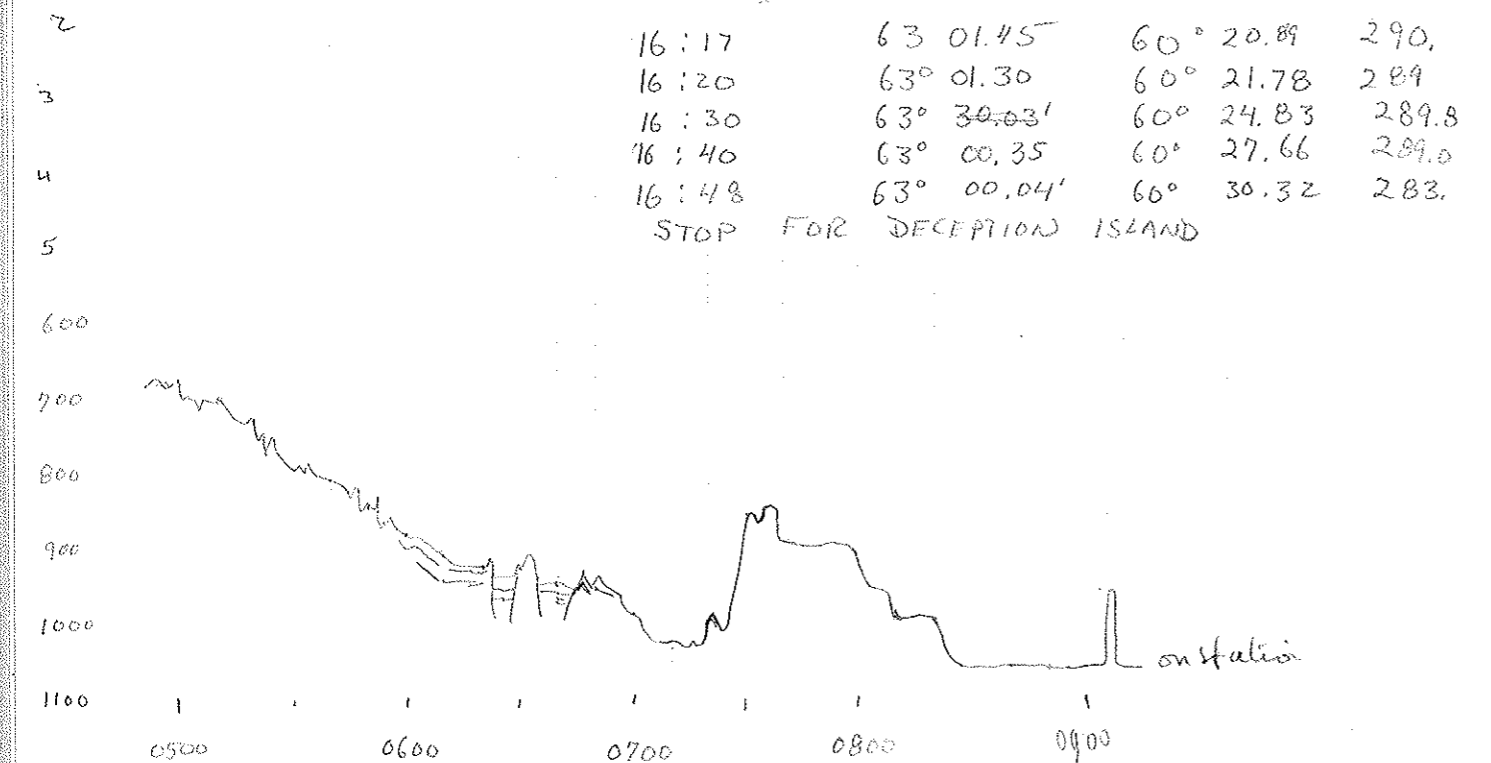
START PROFILE 216

0453	63° 08.87'	60° 35.75'	045.3	
0500	63° 08.54'	60° 34.34'	098.0	
0520	63° 07.07'	60° 29.13'	062.0	
0540	63° 05.70'	60° 22.49'	60.7	
0600	63° 04.18'	60° 16.25'	62.4	
0620	63° 02.66'	60° 09.88'	62.1	
END PROFILE 216	0627	63° 01.63'	60° 05.42'	70.3
0630	63° 01.70'	60° 04.71'	156.9	
START PROFILE 217	0636	63° 01.65'	60° 05.75'	337.9
0640	63° 01.14'	60° 06.33'	327.6	
0700	62° 58.68'	60° 09.94'	325.8	
0720	62° 55.58'	60° 14.14'	320.2	
0740	62° 52.47'	60° 17.57'	319.1	
0800	62° 51.75'	60° 17.02'	112.3	
0803	62° 53.54'	60° 11.13'	113.1	
0820	62° 54.95'	60° 03.72'	112.5	
0840	62° 54.52'	60° 02.20'	253.8	
0900	62° 54.76'	60° 05.61'	278.3	
0920	62° 54.65'	60° 05.31'	086.9	
0940	62° 54.34'	60° 03.78'	077.5	
1000	62° 54.26'	60° 03.00'	038.2	
1020	62° 54.00'	60° 03.92'	291.0	
1040	62° 54.16'	60° 04.00'	059.0	
1100	62° 54.05'	60° 04.43'	237.0	
1143	62° 55.18'	60° 08.61'	205.1	
1200	62° 57.64'	60° 11.60'	192.2	
1240	63° 00.65'	60° 13.60'	192.3	
1258				
1300	63° 03.14'	60° 16.95'	235.5	
CTD-Station	1332	63° 03.63'	60° 18.64'	359.7

7.6 kt	668	563-938	K-P	3	0.25
9.3	675	"	"	"	"
9.7	737	"	"	"	"
9.3	812	"	"	"	"
9.7	884	"	"	"	"
9.6	926	844-1219	KP	2	0.38
10.3	942	"	"	"	"
8.6	922	"	"	"	"
7.9	943	"	"	"	"
9.9	951	"	"	"	"
9.7	989	"	"	"	"
9.0	1029	"	"	"	"
9.0	1046	563-938	"	2	0.25
10.3	1055	"	"	"	"
10.0	982	750-1125	K-P	3	0.00
7.6	1060	"	"	"	"
7.6	1062	"	"	"	"
3.0	1058	"	"	"	"
4.3	1066	"	"	"	"
1.2	1067	"	"	"	"
1.5	1059	"	"	"	"
0.8	1065	"	"	"	"
0.7	1059	"	"	"	"
01.0	1063	"	"	"	"
4.7	1057	- - -	- - -	- - -	- - -
9.2	1057	- - -	- - -	- - -	- - -
9.4	1022	- - -	- - -	- - -	- - -
9.7	927	- - -	- - -	- - -	- - -
	868	563-938	"	"	0.25
8.9	828	"	"	"	"
0.4	740	"	"	"	"

Labon ↓

16:17	63° 01.45'	60° 20.89'	290.
16:20	63° 01.30'	60° 21.78'	289.
16:30	63° 30.03'	60° 24.83'	289.8
16:40	63° 00.35'	60° 27.66'	289.0
16:48	63° 00.04'	60° 30.32'	283.
STOP FOR DECEPTION ISLAND			



5 18. Nov. 1985

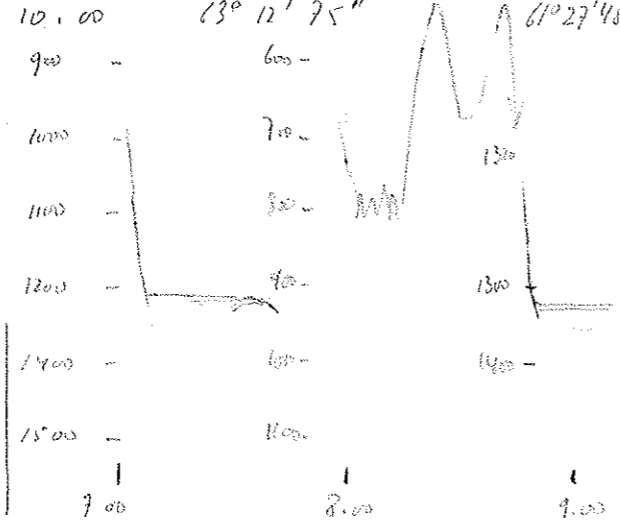
Zeit GMT	Latitude	Longitude	Kurs	Speed	Tiefe	Range	Trigger	Sweep	Delay	Comment
00.03	63° 03.41	60° 19.17	143.0	4.2	752	563-938	K-P	3	0.25	
00.10	63° 03.72	60° 18.89	136.6	2.5	697	563-938	K-P	3	0.25	SIMONEIT
00.20	63° 03.68	60° 17.55	067.5	5.1	853	563-938	K-P	3	0.25	
00.30	63° 03.47	60° 14.81	067.0	7.0	896	844-1219	K-P	2	0.38	
00.40	63° 02.97	60° 14.53	289.7	6.8	898	750-1125	K-P	3	0.00	
00.50	63° 02.91	60° 16.92	216.9	7.4	874	750-1125	K-P	3	0.00	
01.00	63° 02.96	60° 18.95	222.7	8.5	827	750-1125	K-P	3	0.00	
01.10	63° 04.88	60° 21.47	232.5	9.1	811	563-938	K-P	3	0.25	(before 0.13)
01.20	63° 05.78	60° 24.12	233.1	8.9	796	563-938	K-P	3	0.25	
01.30	63° 06.68	60° 26.91	235.5	9.3	749	563-938	K-P	3	0.25	
01.40	63° 07.57	60° 29.83	235.1	9.5	684	563-938	K-P	3	0.25	
01.50	63° 08.50	60° 32.61	233.3	9.5	701	563-938	K-P	3	0.25	
02.00	63° 09.46	60° 35.42	232.8	9.4	682	563-938	K-P	3	0.25	
02.10	63° 10.42	60° 38.16	232.4	9.1	686	563-938	K-P	3	0.25	
02.20	63° 11.38	60° 40.81	231.9	8.9	674	563-938	K-P	3	0.25	
02.30	63° 12.27	60° 43.27	231.2	9.1	678	563-938	K-P	3	0.25	
02.40	63° 13.21	60° 45.24	230.3	9.0	675	563-938	K-P	3	0.25	
02.50	63° 14.16	60° 48.41	231.7	8.6	641	563-938	K-P	3	0.25	
03.00	63° 15.12	60° 51.05	230.9	8.7	604	469-844	K-P	3	0.28	
03.20	63° 16.14	60° 55.68	230.3	7.3	478	"	"	"	"	
03.40	63° 15.43	60° 56.83	230.5	9.2	831	656-1031	K-P	3	0.13	
04.00	63° 17.46	61° 02.23	231.0	9.2	942	"	"	4	"	No Whisk
04.20	63° 18.39	61° 10.42	218.5	9.5	929	"	"	4	"	
04.40	63° 22.43	61° 14.50	232.1	9.6	1135	844-1291	KP	2	0.38	
05.00	63° 23.01	61° 21.85	326.0	9.8	1039	"	"	"	"	
05.20	63° 20.74	61° 27.25	319.0	11.5	1174	"	"	"	"	
05.40	63° 17.82	61° 32.04	329.9	9.5	1250	"	"	"	"	
06.00	63° 15.97	61° 35.20	319.5	6.7	1225	"	"	"	"	
06.20	63° 14.04	61° 38.34	320.1	5.6	946	750-1125	K-P	3	0.00	
06.40	63° 13.40	61° 40.16	308.8	4.9	917	"	"	"	"	
07.00	63° 12.03	61° 42.79	323.3	10.6	650	563-938	"	"	0.25	
07.20	63° 09.31	61° 48.01	320.3	10.2	1217	938-1313	KP	2	0.25	
07.40	63° 06.64	61° 52.80	321.7	10.2	1227	"	"	"	"	↓ de'groot
07.45										
08.00	63° 07.42	61° 48.23	134.9	10.2	776	469-844	K-P	3	0.38	
08.20	63° 09.79	61° 37.75	107.1	10.5	591	"	"	"	"	
08.40	63° 11.31	61° 30.41	116.5	10.3	540	"	"	"	"	
09.00	63° 12.77	61° 24.07	116.9	4.4	1322	1125-1500	KP	2	0.00	
09.20	63° 12.60	61° 24.44	311.2	6.6	1325	"	"	"	"	→ Cruising back for better horizontal resolution.
09.40	63° 12.33	61° 24.83	351.8	0.6	1323	"	"	"	"	
10.00	63° 12.75"	61° 27.48	266.6	0.6	1323	"	"	"	"	

Start 218

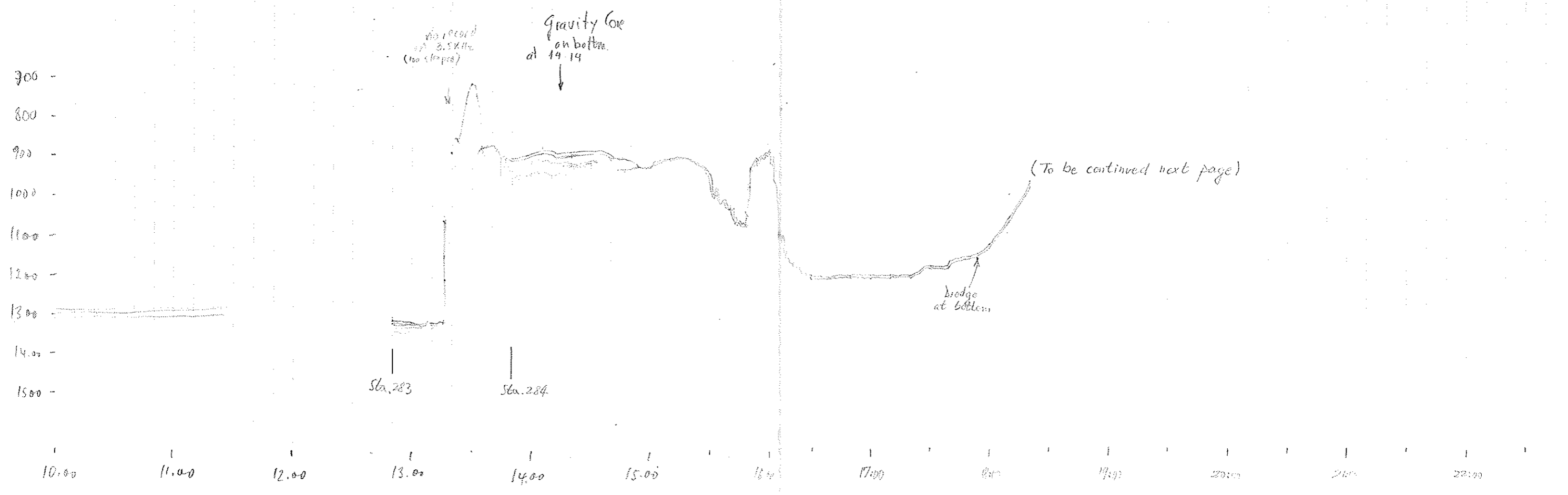
Start 219

End 219
Start 220

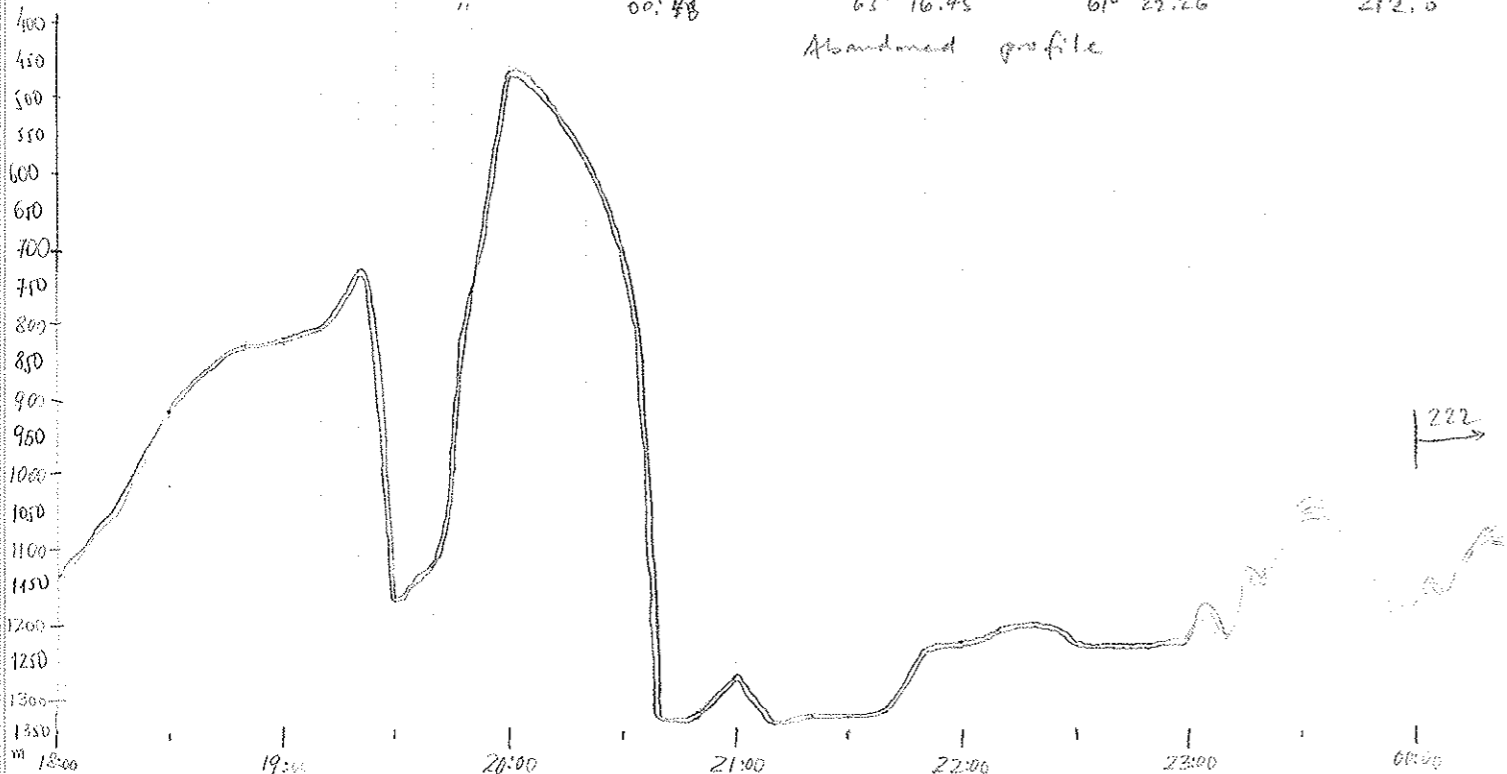
End 220



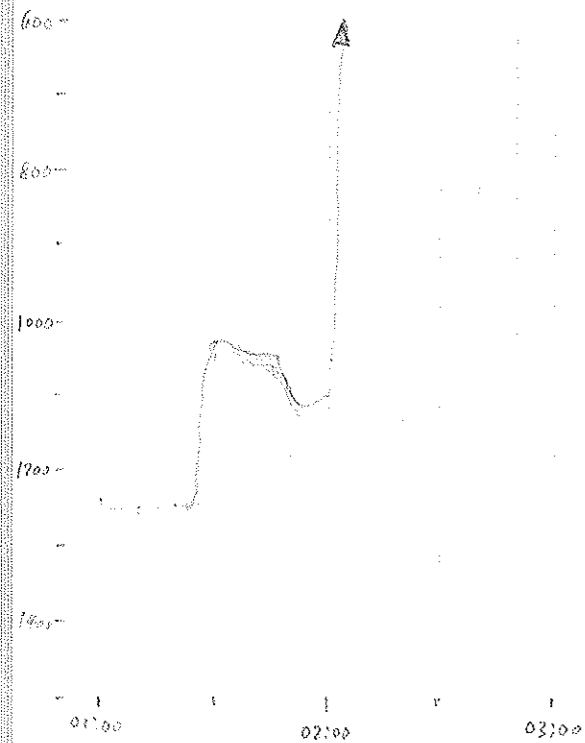
Rolle	Profil	Datum	Zeit	Latitude	Longitude	Kurz	Speed	Tiefe	Range	Trigger	Sweep	Delay	Comments	Padokell 53
5		18/11/85	10.20	63° 15' 00"	61° 27' 38"	256.5	0.6	1323	1125-1500	KP	2	0.00		de grad
			10.40	63° 13' 05"	61° 27' 80"	232.5	0.3	1323	"	"	"	"		↑
			11.00	63° 13' 07"	61° 27' 91"	268.5	0.1	1321	"	"	"	"		
				start at Sta 283.										
5			12.50	63° 13.4'	61° 22.7'	262.2	5.3	1318	1125-1500	KP	2	0.00		
			13.10	63° 14.5'	61° 28.8'	264.4	10.0	1322	"	"	"	"		
			13.30	63° 13.8'	61° 35.9'	263.6	9.2	744	563-937	K-P	3	0.25	(Arrive at	Valdivia
			13.40	63° 13.9'	61° 13.86'	252.3	0.2	873	750-1125	K-P	3	0.00	Sta. 284 at	
			13.50	63° 14.08'	61° 39.02'		0.0	894	"	"	"	"		13:49.)
			14.10	63° 14.12'	61° 39.05'		0.0	875	"	"	"	"		
			14.40	63° 14.19'	61° 39.1'		0.2	870	"	"	"	"		
			15.00	63° 13.86'	61° 37.77'		1.0	897	"	"	"	"		
			15:20	63° 13.96'	61° 37.61'	181.7	0.5	905	"	"	"	"		
			15:40	63° 13.64'	61° 39.25'	314.4	5.2	1029	"	"	"	"		
			15:48	63° 13.17'	61° 41.11'	346.3	4.2	1075	938-1313	KP---	2	0.25	(Range change)	
			15:51	63° 12.91'	61° 41.31'	324.5	4.4	937	844-1219	"	"	0.38	(")	
			16:00	63° 12.42'	61° 42.18'	321.9	4.2	888	750-1125	K-P--	3	0.00	(")	
			16:12	63° 11.65'	61° 43.61'	317.9	4.5	1143	844-1219	KP---	2	0.38	(")	
			16:20	63° 11.22'	61° 44.43'	318.5	5.5	1175	"	"	"	"		
			16:31	63° 10.52'	61° 45.71'	318.0	5.0	1211	938-1313	KP---	"	0.25	(Range change)	
			16:40	63° 10.03'	61° 46.67'	318.9	4.7	1214	"	"	"	"		
			17:00	63° 09.00'	61° 48.70'	207.4	5.4	1208	"	"	"	"		
			17:20	63° 10.42'	61° 45.95'	139.0	5.7	1214	"	"	"	"		
			17:40	63° 10.05'	61° 45.29'	329.8	1.3	1181	"	"	"	"		
			18:00	63° 09.86'	61° 45.48'	173.9	1.3	1130	"	"	"	"		
			18:20	63° 10.17'	61° 45.24'	148.8	1.1	963	844-1219	"	"	0.38	(Range change)	



Roll	Profile	Date	Time (GMT)	Latitude	Longitude	Course	Speed	Depth	Range	Trigger	Sweeps	Delay	Remarks	Controller
5		18-11-85	18:40	63° 10,38'	61° 45,05'	169,3	0,9	858	844-1219	KP---	2	0.38		Arias
		"	18:42	63° 11,21'	61° 43,69'	151,5	1,3	878	750-1125	K-P--	3	0.00	(Range change)	
		"	19:00	63° 11,49'	61° 43,30'	149,3	0,8	828	"	"	"	"		
		"	19:15	63° 11,79'	61° 42,94'	143,3	8.0	749	656-1031	K-P--	3	0.13	Change	
		"	19:20	63° 11'85'	61° 42,81'	147,2	6.0	733	"	"	"	"		
		"	19:27	63° 11'75'	61° 43,54'	305,1	7.9	1085	710-1125	K-P--	3	0.00	Change	
		"	19:31	63° 11,49'	61° 44,27'	342,2	9.0	1168	844-1219	KP---	2	0.38	Change	
		"	19:40	63° 11,18'	61° 44,08'	134,1	0.1	1115	"	"	"	"		
		"	19:50	63° 11,36'	61° 43,01'	94,0	6.7	648	656-1031	K-P--	3	0.25	Change	
		"	19:53	63° 11,39'	61° 42,19'	94,8	8.9	527	469-844	"	"	"		
		"	20:00	63° 11,59'	61° 40,02'	448,0	10.7	448	375-750	KP---	2	0.00	Change	
		"	20:20	63° 11,76'	61° 32,04'	91,0	10.8	581	"	"	"	"		
		"	20:28	63° 11,80'	61° 28,57'	90,8	10.6	708	469-844	K-P--	3	0.38	Change	
		"	20:33	63° 11,97'	61° 26,83'	122,8	10.0	833	563-938	"	"	0.25	"	
		"	20:35	63° 12,17'	61° 24,87'	144,5	10.1	1325	1219-1594	KPK---	5	0.38	"	
		"	20:40	63° 12,85'	61° 23,67'	127,6	10.7	1322	"	"	"	"		
		"	21:00	63° 12,69'	61° 16,02'	82,6	11.4	1270	"	"	"	"		
		"	21:03	63° 12,59'	61° 14,37'	82,7	11.5	1229	1125-1500	KP---	2	0.00	Range change	
		"	21:26	63° 12,33'	61° 10,39'	136,5	1.3	1319	"	"	"	"		
		"	21:40	63° 11,76'	61° 12,58'	254,5	4.6	1309	"	"	"	"		
		"	22:00	63° 11,87'	61° 13,12'	230,2	0.8	1226	"	"	"	"		
		"	22:20	63° 11,73'	61° 13,45'	257,2	0.8	1192	"	"	"	"		
		"	22:40	63° 11,78'	61° 13,27'	254,2	0.9	1245	"	"	"	"		
		"	23:00	63° 11,80'	61° 13,58'	187,6	2.6	1227	"	"	"	"		
	221	"	23:10	63° 12,25	61° 13,26	186,3	9.9	1219	1031-1406	"	"	0.13	Rec. Tape off	
		"	23:20	63° 14,75	61° 13,81	193,4	8.2	1097	"	"	"	"	due to flash	Simoneit
		"	23:30	63° 16,31	61° 13,48	186,3	8.1	1044	938-1313	"	"	0.25	photo - fixed	
		"	23:40	63° 17,65	61° 14,06	190,5	8.6	1015	"	"	"	"		
		"	23:50	63° 19,05	61° 14,57	189,3	7.9	1096	"	"	"	"		
19. Nov. 1985		19-11-85	00:00	63° 20,01	61° 15,20	65,9	6.5	1130	"	"	"	"		
	222	"	00:07	63° 19,28	61° 15,02	330,5	7.1	1105	"	"	"	"		
		"	00:10	63° 18,99	61° 15,33	317,8	7.4	1085	"	"	"	"		
		"	00:20	63° 18,08	61° 17,11	318,5	7.5	1054	"	"	"	"		
		"	00:30	63° 17,16	61° 18,94	317,0	7.3	1153	"	"	"	"		
		"	00:40	63° 16,28	61° 20,68	318,7	7.5	1207	"	"	"	"		
		"	00:48	63° 16,45	61° 22,26	212,0	7.6	1242	"	"	"	"	abandoned profiling	222



Roll	Profile	Date	Hour	Latitude	Longitude	Course	Speed	Depth	Range	Trigger	Sweeps	Delay	Remarks	Cataller
5	Cruising	19. Nov. 1985	01:00	63° 16.87	61° 25.22	261.7	8.4	1251	938-1313	KP---	2	0.25"	Cruising	SIMONEIT
	"	"	01:10	63° 17.46	61° 27.68	230.8	9.9	1245	1031-1406	"	"	30.13"	"	"
	"	"	01:20	63° 18.56	61° 30.78	232.2	11.7	1242	"	"	"	"	"	"
	"	"	01:30	63° 19.81	61° 34.35	231.1	12.7	1032	938-1313	"	"	0.25"	"	"
	"	"	01:40	63° 21.16	61° 38.12	231.5	12.8	1041	"	"	"	"	"	"
	"	"	01:50	63° 22.47	61° 41.61	228.4	12.9	1092	"	"	"	"	"	waiting for help to change pen
	"	"	02:00	63° 23.41	61° 46.16	231.1	12.7	1096	"	"	"	"	"	on seabed platter
	"	"	02:10	63° 24.85	61° 49.73	228.3	12.7	199	many changes	"	"	"	"	on chart (low island shelf)
	"	"	02:20	63° 26.21	61° 53.17	227.5	11.0	104	stopped recording	"	"	"	"	"

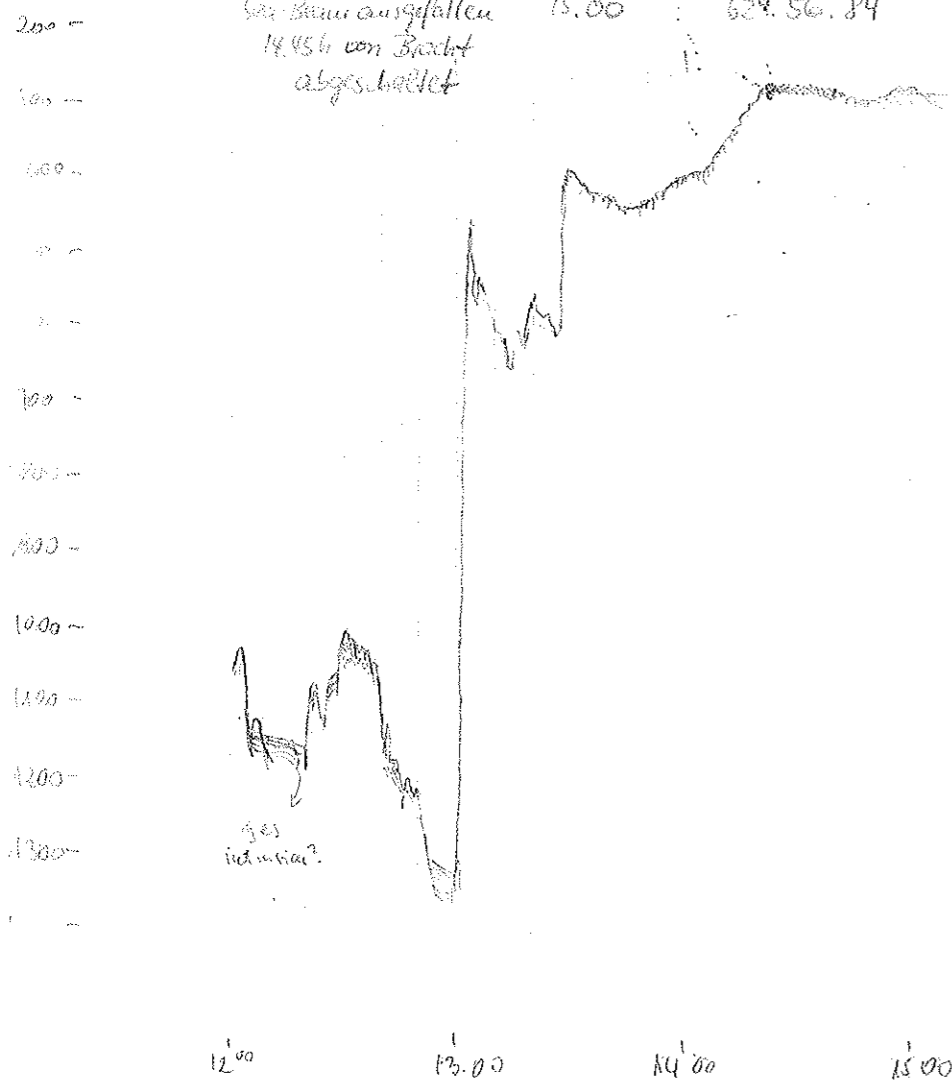


Roll	Profile	Date	Hour	Latitude	Longitude	Course	Speed	Depth	Range	Tripper	Secep	Delay	Remarks		
15		21 Nov. 1985	12:05	63° 22' 10"	61° 22' 06"	58.2	15.4	1139	938-1313	KP---	2	0.25			
			12:12	63° 24' 17"	61° 18' 08"	58.5	15.5	1160	"	"	"	"	"		
			12:20	63° 20' 32"	61° 15' 27"	57.2	15.3	1167	"	"	"	"	"		
5	223	BEGIN	12:24	63° 19' 49"	61° 13' 98"	352.2	15.2	1076	"	"	"	"	"		
			12:30	63° 17' 43"	61° 14' 57"	350.1	14.8	1018	"	"	"	"	"		
			12:40	63° 15' 63"	61° 15' 42"	351.7	14.7	1144	"	"	"	"	"		
			12:53	63° 12' 58"	61° 16' 54"	352.5	14.8	1222	"	"	"	"	"		
			12:55	63° 11' 94"	61° 16' 71"	353.5	14.8	1304	1031-1406	"	"	"	0.13		
			13:00	63° 10' 75"	61° 17' 06"	352.4	14.8	1331	"	"	"	"	"		
			13:05	63° 08' 47"	61° 17' 20"	353.3	14.4	487	468-844	KP---	3	0.38			
			13:13	63° 07' 63"	61° 17' 85"	353.2	14.4	628	"	"	"	"	"		
			13:20	63° 05' 84"	61° 18' 31"	352.4	13.6	572	"	"	"	"	"		
			13:28					416	375-750	KP---	2	0.00			
			13:30					353.0	402	281-656	KP---	2	0.13		
			13:40	63° 02' 06"	61° 18' 37"	353.5	11.8	430	"	"	"	"	"		
			13:50	63° 01' 06"	61° 18' 65"	358.9	7.6	420	"	"	"	"	"		
			14:00	63° 00' 75"	61° 18' 94"	354.0	4.1	388	"	"	"	"	"		
			223	END	14:07	63° 00' 04"	61° 19' 13"	344.2	5.8	370	"	"	"	"	
					14:10	62° 59' 78"	61° 18' 98"	50.6	6.7	355	188-563	"	2	0.25	
				Suchfahrt	14:22	62° 58' 00"	61° 18' 40"	58.8	6.7	276	"	"	"	"	
	(altes Profil 9	14:28	62° 58' 65"	61° 15' 16"	55.0	6.5	281	94-468	"	"	0.38				
	von 1983)	14:40	62° 58' 02"	61° 13' 20"	57.5	6.4	284	"	"	"	"				
	See-Baum ausgefallen	15:00	62° 56' 84"	61° 09' 03"	60.2	6.6	289	"	"	"	"				
	14.45h von Boot														
	abgeschaltet														

on record time noted
 incorrectly as "0"

POREJSKI

Schlie
Schlie



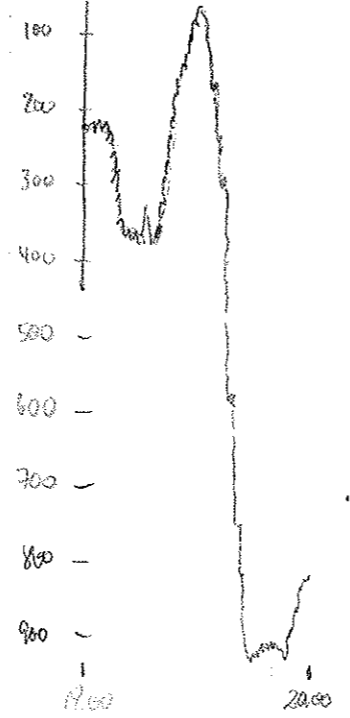
12:00 13:00 14:00 15:00

5 Indefinite 2 L. Nov. 1985
(alter Profil 9 von 1983)

Hour	Latitude	Longitude	Course
15.11	62° 56.48'	61° 07.30'	184.3
15.14	62° 56.48'	61° 07.34'	208.3
15.16	62° 56.50'	61° 07.37'	234.8
15.19	62° 56.61'	61° 07.79'	245.1
15.20	61° 57.70'	61° 08.10'	244.9
15.26	62° 56.22'	61° 09.09'	300.0
15.30	62° 56.36'	61° 09.93'	25.6
15.40	62° 56.34'	61° 09.55'	105.9
15.50	62° 57.01'	61° 09.37'	108.3
16.00	62° 57.02'	61° 09.25'	79.6
16.06	CTD	Wasser	
16.10	62° 57.97'	61° 09.02'	27.1
16.20	62° 58.34'	61° 09.04'	133.3
16.30	62° 58.93'	61° 07.70'	89.8
16.33	CTD	Deck	
16.39	62° 56.94'	61° 07.70'	98.5
16.50	62° 56.30'	61° 07.72'	146.2
17.00	62° 56.28'	61° 07.45'	77.5
17.04	Kolben lot	am Grund	
17.10	62° 56.85'	61° 07.22'	80.6
17.20	62° 56.83'	61° 07.08'	71.9
17.30	62° 56.70'	61° 06.77'	76.1
17.40	62° 56.78'	61° 06.70'	56.7
17.47	Kolben lot	am Grund	
17.50	62° 56.77'	61° 06.55'	46.9

Station

Hour	Latitude	Longitude	Course
18.20	62° 56.64'	61° 05.81'	20.3
18.45	62° 56.38'	61° 05.66'	187.1
19.00	62° 58.05'	61° 04.03'	152.1
19.20	63° 01.47'	61° 00.67'	160.6
19.43	63° 05.70'	60° 57.17'	158.9
19.50	63° 06.85'	60° 56.24'	160.6



Speed	Depth	Range	Tripper	Sweep	Delay
1.2	278	94-463	KP	2	0.38
0.2	281	"	"	"	"
3.1	280	"	"	"	"
6.0	282	"	"	"	"
6.7	287	"	"	"	"
0.4	289	"	"	"	"
0.6	289	"	"	"	"
0.0	287	"	"	"	"
0.2	285	"	"	"	"
1.1	284	"	"	"	"
0.3	281	"	"	"	"
0.1	284	"	"	"	"
0.2	283	"	"	"	"
0.3	283	"	"	"	"
0.7	280	"	"	"	"
0.7	279	"	"	"	"
1.0	278	"	"	"	"
0.1	274	"	"	"	"
0.6	275	"	"	"	"
0.3	276	"	"	"	"
0.6	286	"	"	"	"
1.5	285	"	"	"	"
0.8	222	"	"	"	"
11.5	357	"	"	"	"
11.2	912	563-938	K-P	3	0.25
11.8	917	750-1125	K-P	3	0.00

slap stop
and turn back
on the same way
Hutchie

← Stationen bejimen

CTD in Wasser

CTD am Deck

KL am Grund

KL am Bord

18.00 kg am Grund
Stationen

Station 288 erfüllt
Schlie

Rolle	Profil	Datum	Zeit (GMT)	Latitude	Longitude	Course	Speed	Depth	Range	Trigges	Sweep	Delay	Remarks	Protokoll 63
5		21. Nov. 1985	20.00	63° 09.39	60° 54.14	462.5	11.1	815	750-1125	K-P	3	0.00	Sea-beam bleibt abgeschaltet	Schlie
	Hation 289		20.12	63° 12.00	60° 53.03	255.0	0.2	749	658-1031	K-P	3	0.13		
	Gmbing begin		21.18	63° 11.39	60° 51.23	238.7	2.5	743	"	"	"	"	Sea-beam switched on	real time on print page of 3. Sta
			21.30	63° 11.35	60° 51.52	51.4	2.5	721	"	"	"	"		
			21.33	63° 11.22	60° 51.25	59.8	7.0	686	563-938	"	"	0.25		PODESM.
			21.40	63° 10.64	60° 49.28	56.4	12.2	688	563-938	K-P	3	0.25		Schlie
			21.50	63° 09.45	60° 45.28	57.7	12.7	670	"	"	"	"		
			22.00	63° 07.04	60° 39.88	59.7	14.0	648	"	"	"	"		
			22.06	63° 06.17	60° 37.18	56.4	14.0	588	468-834	"	"	0.38		
			22.20	63° 04.40	60° 31.48	56.2	14.2	504	375-750	KP	2	0.00		PODESM.
			22.30	63° 03.03	60° 27.53	48.3	13.8	623	"	"	"	"		
			22.40	63° 01.51	60° 23.62	48.1	14.2	680	563-938	K-P	3	0.25		
			22.48	63° 02.12	60° 19.90	50.8	14.2	873	656-1031	"	"	0.13		
			22.56	62° 58.03	60° 16.87	50.6	14.2	945	750-1125	"	"	0.00		

END OF ROLL 5

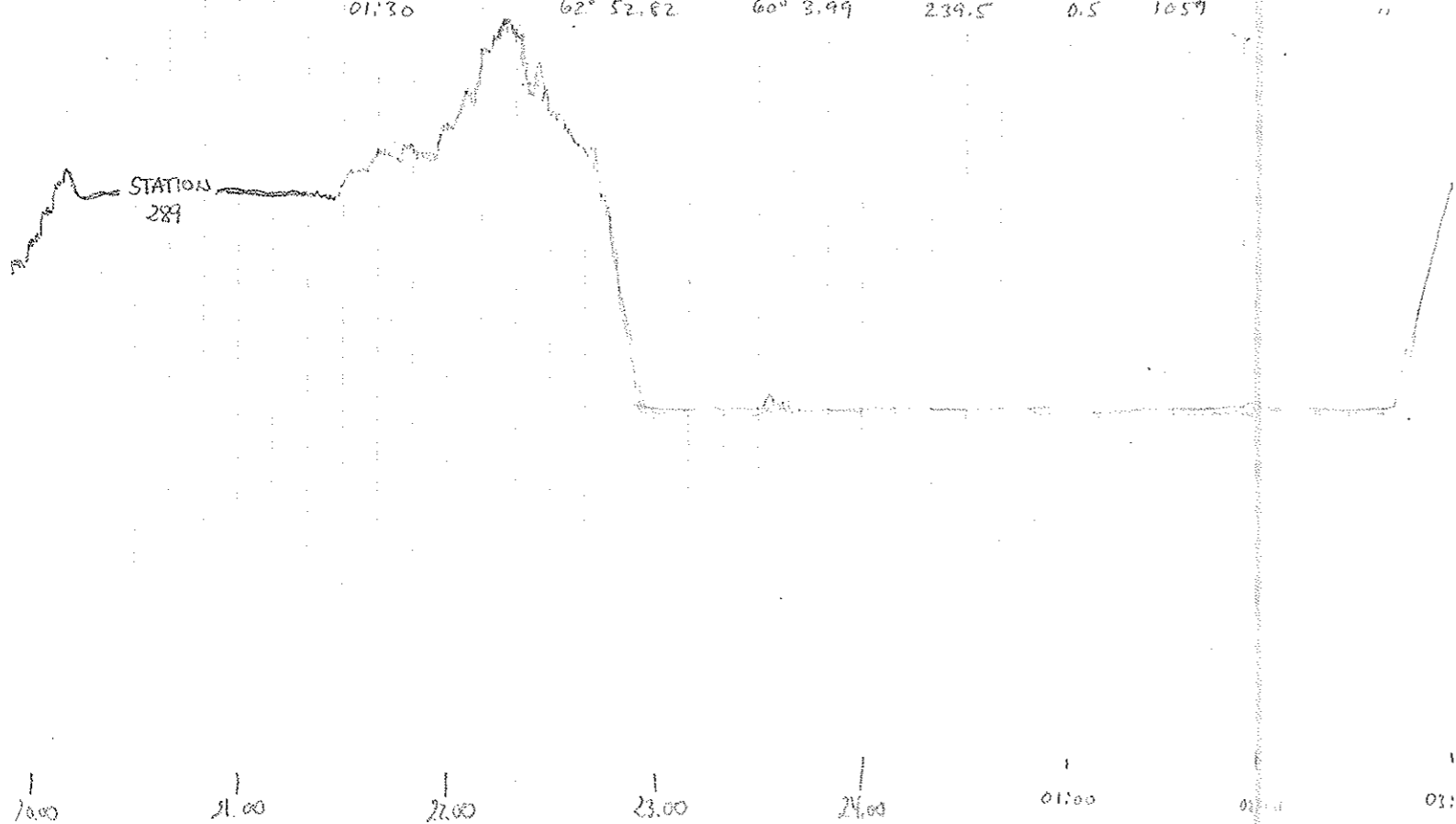
23.02 Change of role

6

22. Nov. 1985

	23:10	62° 56.79	60° 11.30	42.0	13.6	1052	750-1125	K-P	3	0.00	
	23:20	62° 55.58	60° 08.88	42.4	8.1	1052	"	"	"	"	
	23:30	62° 54.35	60° 06.82	97.5	6.2	1057	844-1219	KP	2	0.38	2 echos from nearby mounds
	23:40	62° 54.54	60° 05.29	221.2	2.3	1066	"	"	"	"	
	23:50	62° 54.58	60° 05.44	283.0	4.9	1068	"	"	"	"	
	00:01	62° 53.59	60° 04.94	293.4	0.8	1057	"	"	"	"	
	00:10	62° 53.59	60° 05.03	250.0	0.5	1055	"	"	"	"	
	00:20	62° 53.61	60° 05.07	170.5	0.1	1058	"	"	"	"	
200	00:30	62° 53.66	60° 5.12	161.1	0.0	1062	"	"	"	"	
	00:40	62° 53.69	60° 5.09	161.6	0.0	1058	"	"	"	"	
300	00:50	62° 53.71	60° 5.07	325.6	0.1	1052	"	"	"	"	
	01:00	62° 53.74	60° 5.23	198.3	1.3	1037	"	"	"	"	
400	01:10	62° 53.86	60° 6.24	271.3	4.8	1057	"	"	"	"	
	01:20	62° 52.80	60° 4.01	59.4	0.0	1059	"	"	"	"	
500	01:30	62° 52.82	60° 3.99	239.5	0.5	1059	"	"	"	"	

Cond. 64

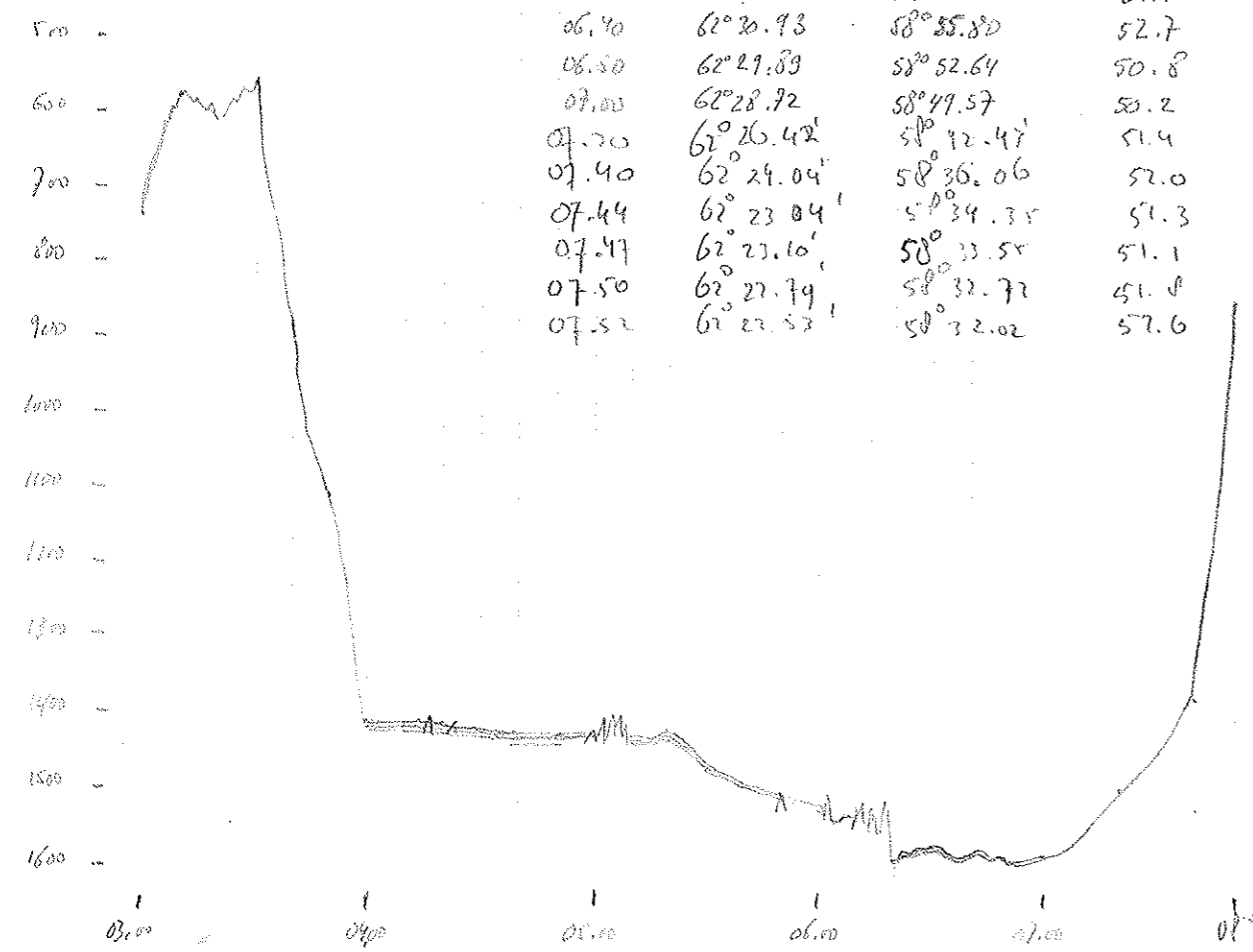


Changed roll SIMONETT

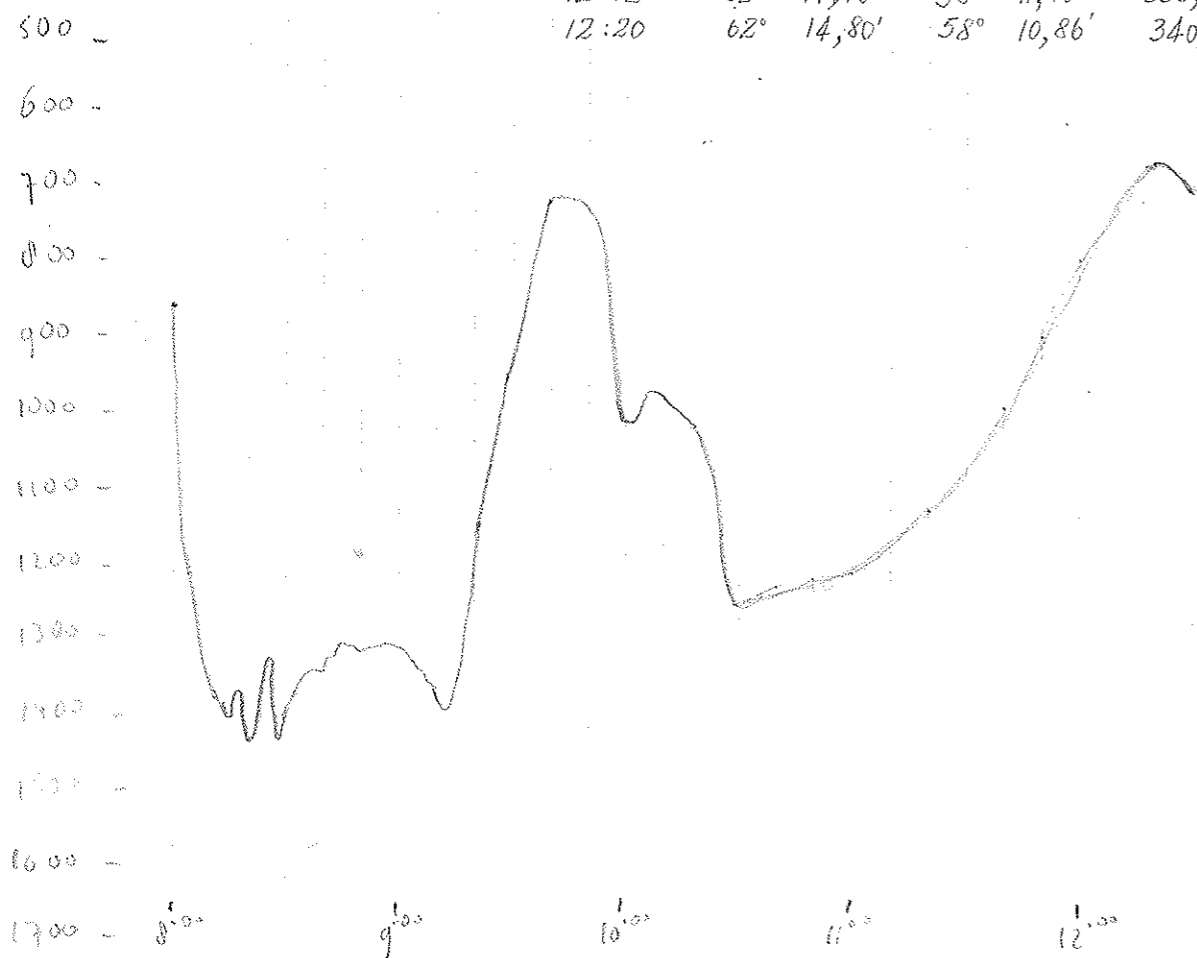
Roll	Profile	Date	Time (GMT)	Latitude	Longitude	Course	Speed	Depth	Range	Trigger	Sweep	Delay	Remarks	Controller
6	289	22. Nov. 1985	01:40	62° 52.84	60° 4.00	293.8	0.4	1056	844-1219	KP---	2	0.38		SIMONEIT
			01:50	62° 52.88	60° 4.06	78.1	-1.1	1050	"	"	"	"		
			02:00	62° 52.99	60° 2.48	162.5	0.4	1055	"	"	"	"		
			02:10	62° 53.03	60° 2.49	199.2	0.5	1056	"	"	"	"		
			02:20	62° 53.26	60° 2.30	219.0	0.8	1056	"	"	"	"		
			02:30	62° 53.31	60° 2.35	199.5	0.6	1058	"	"	"	"		
			02:40	62° 53.37	60° 2.42	215.8	0.8	1056	"	"	"	"		
			02:50	62° 53.67	60° 2.24	93.1	5.3	939	"	"	"	"		
			03:00	62° 52.03	59° 59.97	59.3	8.3	742	606-1031	K-P--	3	0.13		
			03:10	62° 52.18	59° 57.27	55.2	8.9	576	469-844	"	"	0.38		
			03:20	62° 52.26	59° 54.32	55.5	9.5	605	281-656	KP	2	0.13		
			03:30	62° 49.74	59° 49.31	55.4	10.3	562	469-844	K-P	3	0.38		
			03:40	62° 48.71	59° 46.20	52.0	10.2	832	750-1125	"	"	0.00		
			03:50	62° 47.67	59° 43.30	51.0	10.5	1115	1031-1406	KP	2	0.13		
			04:00	62° 46.20	59° 41.10	55.9	10.0	1414	1406-1781	RPK-P	5	"		
			04:10	62° 45.26	59° 38.20	54.6	10.1	1420	1289-1594	"	"	0.38		
			04:25	62° 43.74	59° 34.17	54.5	10.3	1430	"	"	"	"		
			04:30	62° 43.20	59° 32.54	54.7	10.5	1441	"	"	"	"		
			04:40	62° 42.21	59° 29.55	54.3	10.3	1440	"	"	"	"		
			04:50	62° 41.22	59° 26.54	54.3	10.3	1441	"	"	"	"		
			05:00	62° 40.28	59° 23.53	55.3	10.4	1442	"	"	"	"		
			05:10	62° 39.33	59° 20.61	56.0	10.1	1441	"	"	"	"		
			05:20	62° 38.35	59° 17.50	55.9	10.4	1440	"	"	"	"		
			05:30	62° 37.39	59° 14.43	55.4	10.1	1440	"	"	"	"		
			05:42	62° 36.47	59° 11.92	52.6	9.9	1442	"	"	"	"		
			05:50	62° 35.60	59° 09.44	51.9	9.9	1506	"	"	"	"		
			06:00	62° 34.63	59° 06.69	52.3	9.7	1543	1313-1688	"	"	0.25		
			06:10	62° 33.67	59° 03.93	53.3	9.9	1547	"	"	"	"		
			06:20	62° 32.79	59° 01.30	53.7	9.8	1543	"	"	"	"		
			06:30	62° 31.84	58° 58.54	54.1	9.3	1578	"	"	"	"		
			06:40	62° 30.93	58° 55.80	52.7	8.9	1581	"	"	"	"		
			06:50	62° 29.89	58° 52.64	50.8	10.2	1593	"	"	"	"		
			07:00	62° 28.72	58° 49.57	50.2	11.3	1589	"	"	"	"		
			07:20	62° 26.42	58° 42.47	51.4	11.2	1502	"	"	"	"		
			07:40	62° 24.04	58° 36.06	52.0	11.7	1137	1219-1574	"	"	0.38		
			07:44	62° 23.04	58° 34.35	51.3	11.3	1180	1125-1500	KP	2	0.00		
			07:47	62° 22.10	58° 33.55	51.1	11.6	1119	1031-1406	"	"	0.13		
			07:50	62° 21.79	58° 32.77	51.8	11.2	1062	930-1313	"	"	0.25		
			07:52	62° 22.53	58° 32.02	57.6	11.5	949	844-1219	"	"	0.38		

↓
de groot

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Lala



Roll	Profile	Date	Time (GMT)	Latitude	Longitude	Course	Speed	Depth	Range	Tripp	Sweep	Delay	Remarks	Coludler
6	204	22/11/81	8:00	62° 21.70'	58° 29.66'	57.9	11.0	051	750-1125	K-P	3	0.00		
			8:04						844-1219	KP	2	0.38		
			8:06	62° 20.35'	58° 26.66'	59.5	11.6	1200	938-1313	KP	2	0.25		
			8:08						1031-1406	KP	2	0.13		
			8:12	62° 19.69'	58° 24.34'	58.5	10.3	1410	1125-1500	KP	2	0.00		
			8:15						1219-1594	KPK-P	5	0.38		
			8:20	62° 19.00'	58° 21.96'	58.0	7.0	1419	"	"	"	"		
			8:32	62° 18.34'	58° 19.71'	72.0	5.3	1390	"	"	"	"	change in course	
			8:40	62° 18.14'	58° 18.41'	77.1	5.5	1341	"	"	"	"		
			8:50	62° 17.84'	58° 14.52'	82.1	5.4	1303	"	"	"	"		
			9:16	62° 17.39'	58° 11.90'	317.4	4.2	1217	"	"	"	"	change in course	
			9:19						1125-1500	KP	2	0.00		
			9:22	62° 17.06'	58° 12.55'	318.4	4.6	1199	1031-1406	"	"	0.13		Laban
			9:26						938-1313	"	"	0.25		
			9:39	62° 16.69'	58° 13.22'	320.6	4.6	945	844-1219	"	"	0.38		
			9:32						750-1125	K-P	3	0.00		
			9:34	62° 16.01'	58° 13.71'	323.9	4.7	731	656-1031	"	"	0.13		
			9:40	62° 15.63'	58° 14.32'	223.0	4.6	712	"	"	"	"		
			9:42	62° 15.49'	58° 14.60'	105.0	4.0	704	"	"	"	"	change in course	
			9:47	62° 15.71'	58° 14.22'	120.0	5.1	717	"	"	"	"		
			9:57	62° 16.57'	58° 12.30'	160.0	3.0	902	"	"	"	"		
			10:00	62° 16.59'	58° 12.77'	190.0	1.3	1014	750-1125	"	"	0.00		
			10:20	62° 16.40'	58° 11.68'	277.7	1.2	1099	844-1219	KP	2	0.38		
			10:26	62° 16.36'	58° 11.31'	25.9	1.8	1217	938-1313	KP	2	0.25		
			10:40	62° 16.32'	58° 10.68'	357.5	1.5	1231	"	"	"	"	Lowering dredge	
	Sta. 291		11:00	62° 15.84'	58° 10.62'	4.4	1.4	1206	"	"	"	"		
			11:20	62° 15.45'	58° 10.65'	354.8	1.0	1115	"	"	"	"		
			11:40	62° 15.08'	58° 10.76'	342.2	1.1	957	844-1219	"	"	0.38	Range change	
			11:52	62° 14.87'	58° 10.95'	336.9	1.2	880	750-1125	K-P	3	0.00	"	
			12:00	62° 14.73'	58° 11.07'	340.3	1.0	790	"	"	"	"		
			12:02	62° 14.70'	58° 11.10'	336.4	1.2	785	656-1031	"	"	0.13	Range change	
			12:20	62° 14.80'	58° 10.86'	340.3	1.2	658	563-938	"	"	0.25	"	

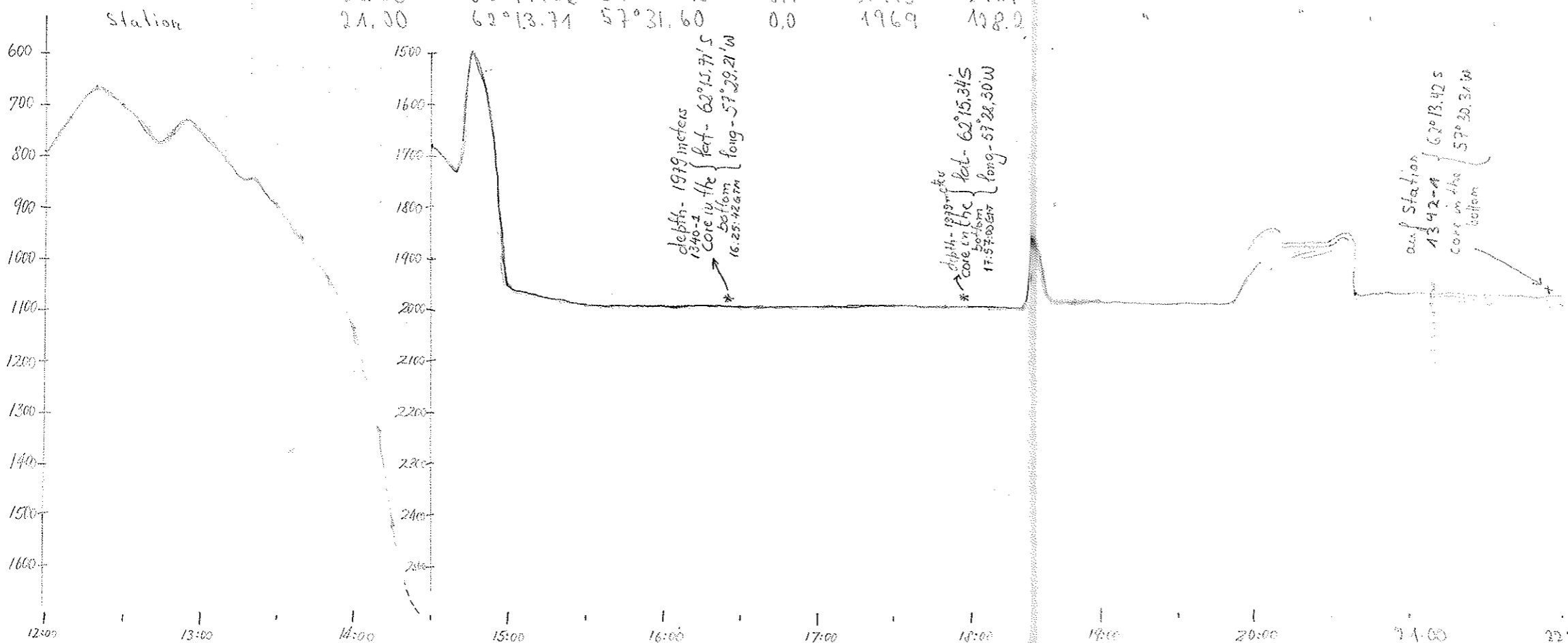


Laban

Arias

Roll	Profile	Date	Time (GMT)	Latitude	Longitude	Speed	Depth	Course	Range	Toggles	Sweeps	Delay	Remarks	Controller	
6	Sta. 291	22 Nov. 85	12:40	62° 14, 65'	58° 10, 42'	0,0	744	73,7	563-938	K-P---	3	0,25		Arias	
			13:00	62° 14, 64'	58° 10, 28'	0,6	740	83,5	"	"	"	"			
			13:20	62° 14, 67'	58° 10, 23'	1,2	846	189,6	"	"	"	"			
			13:40	62° 14, 71'	58° 09, 81'	0,5	960	95,5	750-1125	"	"	0,00	Range change		
			14:00	62° 14, 70'	58° 09, 11'	0,9	1138	118,0	938-1313	KP--	2	0,25	" "		
			14:08	62° 14, 73'	58° 08, 05'	6,8	1315	85,0	1125-1500	"	"	0,00	" "		
			14:13	62° 14, 70'	58° 06, 41'	8,1	1531	89,4	1313-1688	KPK-P--	5	0,25	" "		
			14:20	62° 15, 35'	58° 02, 96'	10,7	1638	96,3	"	"	"	"	" "		
			14:27	62° 15, 46'	57° 59, 98'	11,1	1680	93,5	1500-1875	"	"	0,00	" "		
			14:40	62° 15, 64'	57° 54, 38'	11,3	1727	94,3	"	"	"	"	" "		
			14:48	62° 15, 75'	57° 50, 93'	11,2	1496	93,7	1313-1688	"	"	0,25	" "		
			14:55	62° 15, 49'	57° 48, 39'	11,8	1723	97,0	1500-1875	"	"	0,00	" "		
			15:00	62° 15, 60'	57° 46, 39'	10,7	1948	97,1	1688-2063	KP--	2	0,25	" "		
			15:20	62° 16, 06'	57° 37, 91'	10,8	1978	96,7	"	"	"	"	" "		
			15:40	62° 16, 43'	57° 30, 18'	7,5	1983	93,6	"	"	"	"	" "		
			16:00	62° 15, 83'	57° 29, 26'	0,0	1981	23,5	"	"	"	"	" "		
			16:20	62° 15, 72'	57° 29, 24'	0,0	1980	46,9	"	"	"	"	" "		
			16:40	62° 15, 64'	57° 29, 22'	0,0	1979	2,1	"	"	"	"	" "		
			17:00	62° 16, 46'	57° 28, 88'	0,3	1978	59,9	"	"	"	"	" "		
			17:20	62° 14, 38'	57° 28, 98'	10,6	1978	10,7	"	"	"	"	" "		
			17:40	62° 13, 84'	57° 28, 74'	0,0	1980	195,9	"	"	"	"	" "		
			18:00	62° 15, 38'	57° 28, 29'	0,3	1979	164,4	"	"	"	"	" "		
			18:20	62° 15, 67'	57° 28, 19'	0,4	1985	156,2	"	"	"	"	" "		
			18:40	62° 16, 13'	57° 28, 18'	0,0	1978	183,2	"	"	"	"	" "		
			19:00	62° 14, 68'	57° 29, 67'	0,7	1977	102,3	"	"	"	"	" "		
			19:20											Horn	
			19:30	62° 14, 65'	57° 26, 67'	0,0	1978	165,2	"	"	"	"	Tension 3.86 t		
			19:56	62° 14, 97'	57° 26, 65'	0,9	1933		"	"	"	"			
			20:13	62° 15, 13'	57° 26, 51'	0,6	1882	181,7	"	"	"	"			
			20:30	62° 15, 33'	57° 26, 56'	2,2	1868	336,8	"	"	"	"			
			20:40	62° 14, 86'	57° 27, 59'	8,8	1978	308,8	"	"	"	"			
			20:50	62° 14, 02'	57° 29, 48'	8,7	1975	299,9	"	"	"	"			
			21:00	62° 13, 71'	57° 31, 60'	0,0	1969	128,2	"	"	"	"			
															Graving

Core 1342-1 pull out
1940 m. wire out



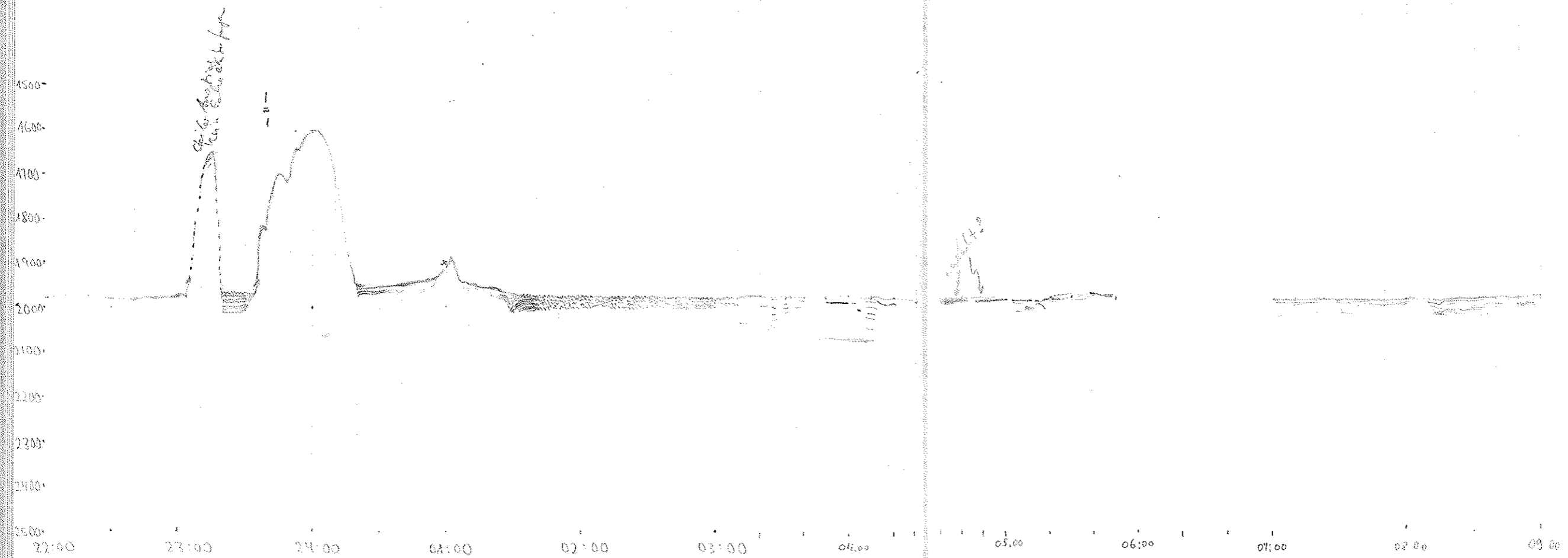
Roller	Profil	Datum	Zeit (GMT)	Latitude	Longitude	Speed	Depth	Course	Range	Trigger	Sweep	Delay	Notes	Protoballant
6		22. Nov. 85	21:58	62° 13.42	57° 30.31	0.1	1971	51.4	1688-2063	KP--	2	0.25		Gronig
			22:20	62° 13.55	57° 30.02	0.7	1967	232.1	"	"	"	"		
			22:41	62° 13.34	57° 28.58	0.5	1966	218.6	"	"	"	"		
			23:00	62° 13.29	57° 28.87	6.3	1964	304.7	"	"	"	"		Neuland
			23:20	62° 11.82	57° 31.65	7.5	1968	236.9	"	"	"	"		
			23:40	62° 11.73	57° 32.29	1.3	1805	065.0	"	"	"	"		
		23 Nov. 85	24:00	62° 11.54	57° 31.47	0.6	1599	21.9	1504-1969	"	"	0.98		
		"	00:20	62° 12.78	57° 30.29	1.4	1952	52.3	1688-2063	"	"	1.25		
		"	00:41	62° 12.01	57° 29.49	1.3	1946	53.4	"	"	"	"		
		"	01:00	62° 11.78	57° 28.78	1.4	1317	54.0	"	"	"	"		
		"	01:20	62° 12.93	57° 29.03	7.4	1958	225.8	"	"	"	"		
		"	01:40	62° 13.46	57° 30.32	0.1	1376	169.6	"	"	"	"		
		"	02:00	62° 13.54	57° 30.98	0.2	1973	115.5	"	"	"	"		
		"	02:20	62° 13.62	57° 30.89	0.7	1969	109.2	"	"	"	"		
		"	02:40	62° 13.72	57° 30.91	0.3	1988	102.5	"	"	"	"		
		"	03:00	62° 13.78	57° 30.74	0.6	1969	123.4	"	"	"	"		
		"	03:20	62° 13.31	57° 30.21	0.5	1970	167.8	"	"	"	"		
		"	03:40	62° 13.30	57° 30.25	0.5	1975	153.0	"	"	"	"		
		"	04:00	62° 13.21	57° 30.55	0.3	1971	080.0	"	"	"	"	04:02 CTD on Deck	
		"	04:20	62° 14.58	57° 29.08	1.1	1981	170.0	"	"	"	"	04:29 CTD in water	
		"	04:40	62° 14.42	57° 29.50	0.8	1980	044.3	"	"	"	"		
		"	04:50	62° 14.32	57° 29.29	0.8	1979	043.3	"	"	"	"		
		"	05:00	62° 14.59	57° 28.67	0.8	1979	64.6	"	"	"	"	Possible core position	
		"	05:21	62° 14.68	57° 28.88	0.6	1976	225.1	"	"	"	"		
		"	05:40	62° 14.76	57° 29.31	0.0	1976	247.3	"	"	"	"		
6		23 Nov. 85	07:30	62° 17.31'	57° 28.70'	0.1	1983	131.4	"	"	"	"	CTD working stations	
		"	08:10	62° 17.42'	57° 28.39'	4.5	1981	221.3	"	"	"	"		
		"	08:31	62° 19.36'	57° 29.56'	0.6	1973	202.7	"	"	"	"		
		"	08:50	62° 18.39'	57° 29.29'	0.4	1569	177.6	"	"	"	"		

Acoustic Doppler (ADP) + Win T. Schmitt

23. Nov. 1985

FISK

Valdivia

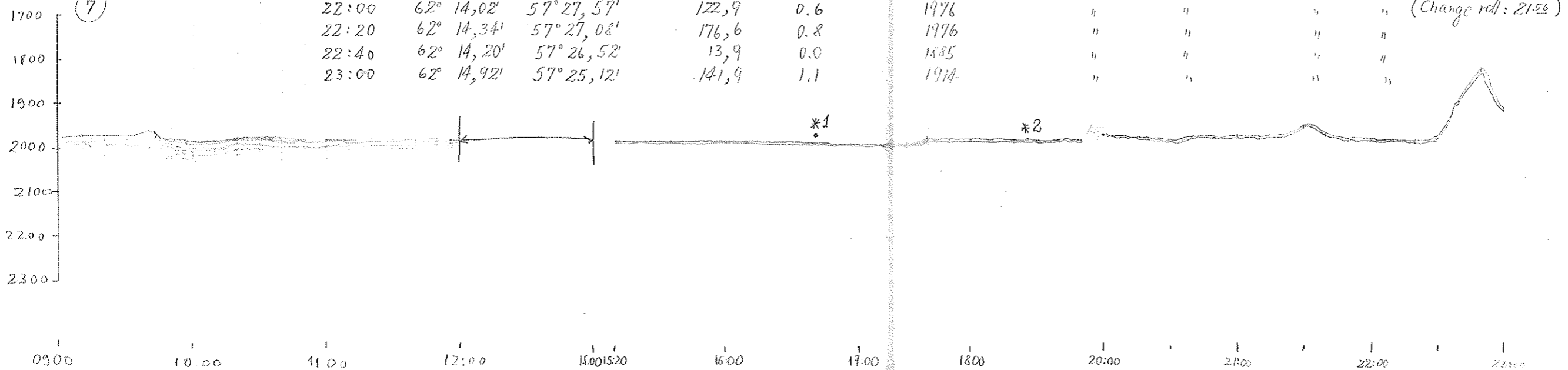


Rolle	Profile	Date	Time	Latitude	Longitude	Course	Speed	Depth	Range	Trigger	Sweep	Delay	Notes	Controller	
6		23 Nov. 85	09:12	62°18.49'	57°29.23'	232.9	0.8	1967	1688-2063	KP-	Z	0.25		Valdivia	
			09:30	62°18.63'	57°29.28'	128.2	0.1	1960	"	"	"	"			
			09:50	62°18.29'	57°29.80'	314.9	5.9	1973	"	"	"	"			
			10:00	62°17.39'	57°31.17'	338.9	7.6	1986	"	"	"	"			
			10:15	62°14.69'	57°32.90'	019.2	7.1	1975	"	"	"	"			
			10:20	62°14.42'	57°33.44'	269.7	0.0	1974	"	"	"	"			
			10:30	62°14.42'	57°33.55'	175.4	0.0	1974	"	"	"	"			
			10:40	62°14.98'	57°33.95'	232.3	0.0	1977	"	"	"	"			
			10:50	62°15.04'	57°33.99'	192.8	0.0	1986	"	"	"	"			
			11:00	62°15.67'	57°35.23'	227.4	0.0	1982	"	"	"	"			
			11:10	62°15.69'	57°35.42'	168.4	0.4	1972	"	"	"	"			
			11:20	62°15.31'	57°33.98'	092.0	0.1	1983	"	"	"	"			
			11:30	62°15.80'	57°33.79'	329.2	0.4	1982	"	"	"	"			
			11:40	62°15.82'	57°33.68'	135.3	0.1	1981	"	"	"	"			
			12:00	62°15.42'	57°32.83'	066.8	0.2	1981	"	"	"	"			
			15:00												Horn
			15:20	62°15.50'	57°30.74'	41.2	0.0	1980	"	"	"	"			
			15:40	62°15.19'	57°29.67'	69.7	0.1	1919	"	"	"	"			
			16:00	62°15.16'	57°31.54'	263.3	6.9	1982	"	"	"	"			
			16:20	62°15.43'	57°32.58'	40.4	0.0	1985	"	"	"	"			
			16:40	62°15.32'	57°33.00'	80.2	0.0	1980	"	"	"	"			
			16:41:21	62°15.31'	57°32.06'	83.1	0.2	1980	"	"	"	"			
			17:00	62°15.25'	57°31.60'	67.0	0.0	1984	"	"	"	"			
			17:20	62°15.28'	57°33.65'	154.9	5.9	1987	"	"	"	"			
			17:40	62°16.65'	57°29.15'	117.6	8.5	1971	"	"	"	"			
			18:00	62°17.07'	57°29.60'	321.3	0.0	1974	"	"	"	"			
			18:20	62°16.89'	57°27.21'	28.5	0.0	1913	"	"	"	"			
			18:24:21	62°16.88'	57°27.20'	31.9	0.0	1913	"	"	"	"			
			18:40	62°16.82'	57°27.18'	28.6	0.0	1911	"	"	"	"			
			19:00	62°16.70'	57°27.17'	347.7	0.0	1913	"	"	"	"			
			20:00	62°13.25'	57°29.03'	289.0	0.0	1967	"	"	"	"			
			20:20	62°13.20'	57°29.30'	285.2	0.5	1969	"	"	"	"			
			20:40	62°13.14'	57°29.66'	288.2	0.0	1965	"	"	"	"			
			21:00	62°13.09'	57°28.37'	54.0	0.0	1967	"	"	"	"			
			21:20	62°13.32'	57°28.49'	173.9	1.0	1963	"	"	"	"			
			21:40	62°13.71'	57°28.35'	201.9	2.9	1970	"	"	"	"			
			22:00	62°14.02'	57°27.57'	122.9	0.6	1976	"	"	"	"			
			22:20	62°14.34'	57°27.08'	176.6	0.8	1976	"	"	"	"			
			22:40	62°14.20'	57°26.52'	13.9	0.0	1885	"	"	"	"			
			23:00	62°14.92'	57°25.12'	141.9	1.1	1914	"	"	"	"			

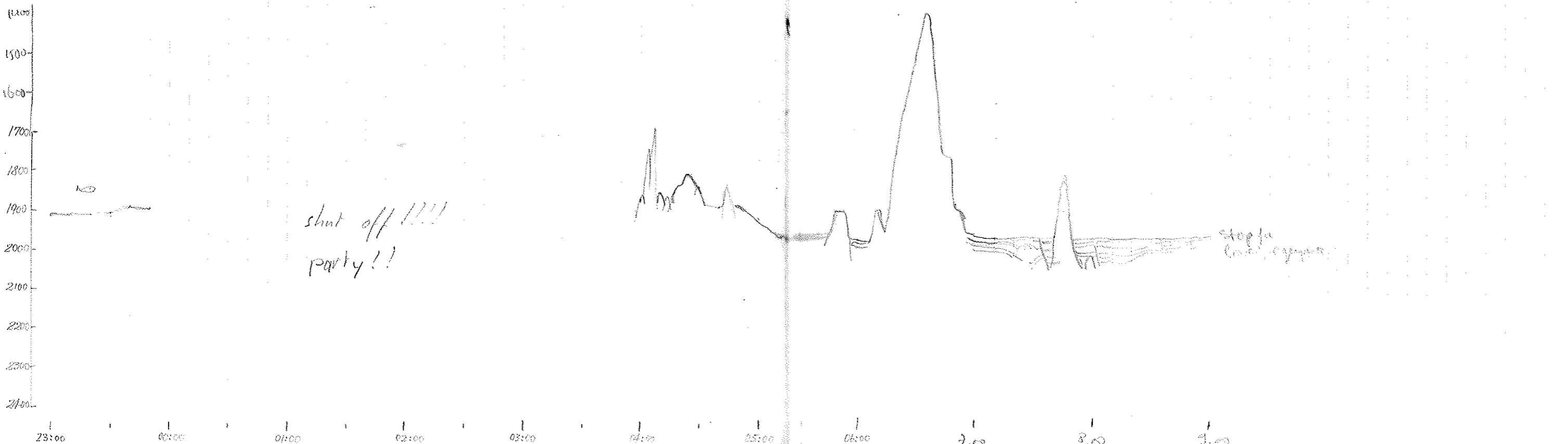
(*1) Loos core in the bottom →

(*2) granly core in the bottom →

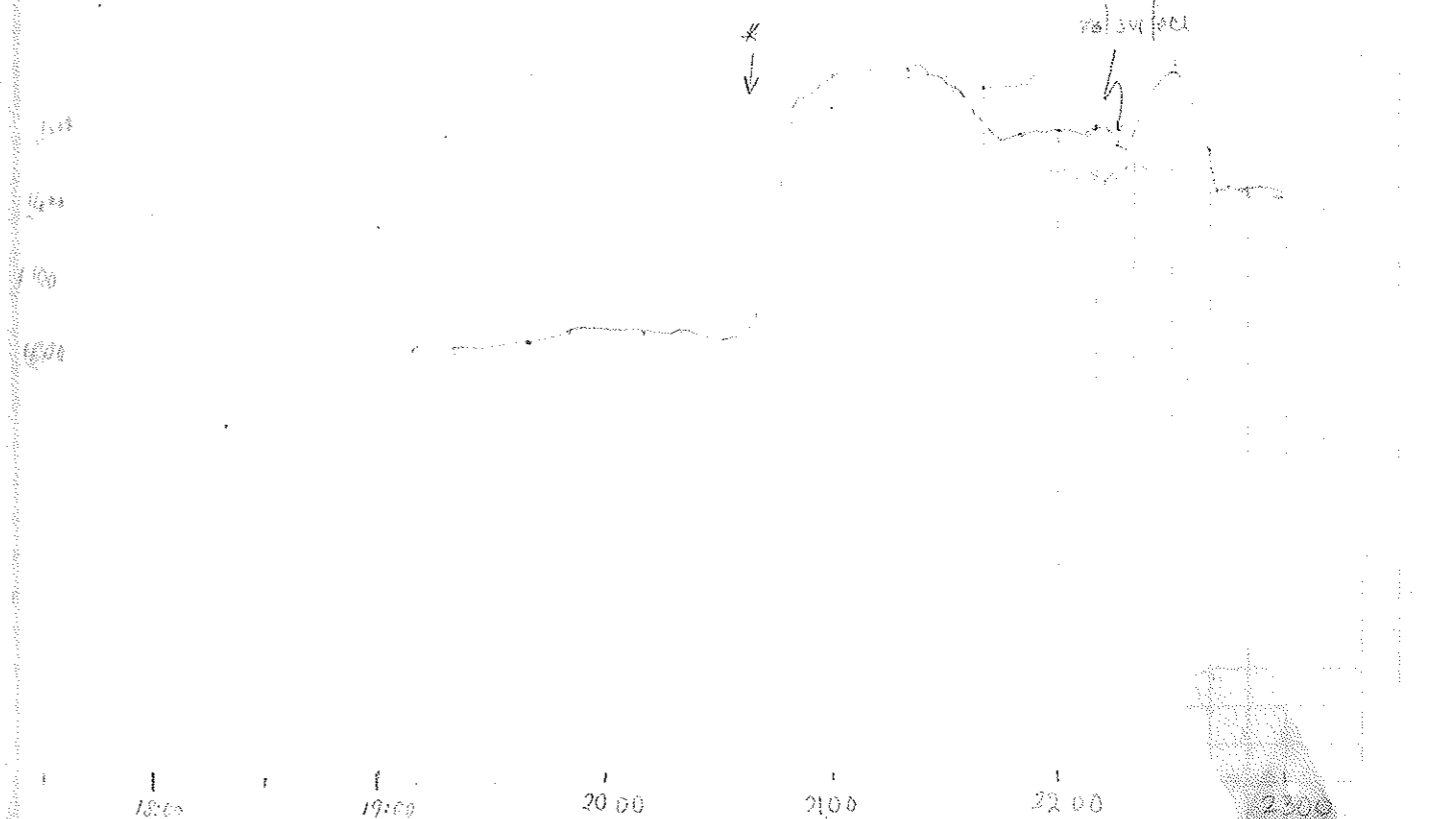
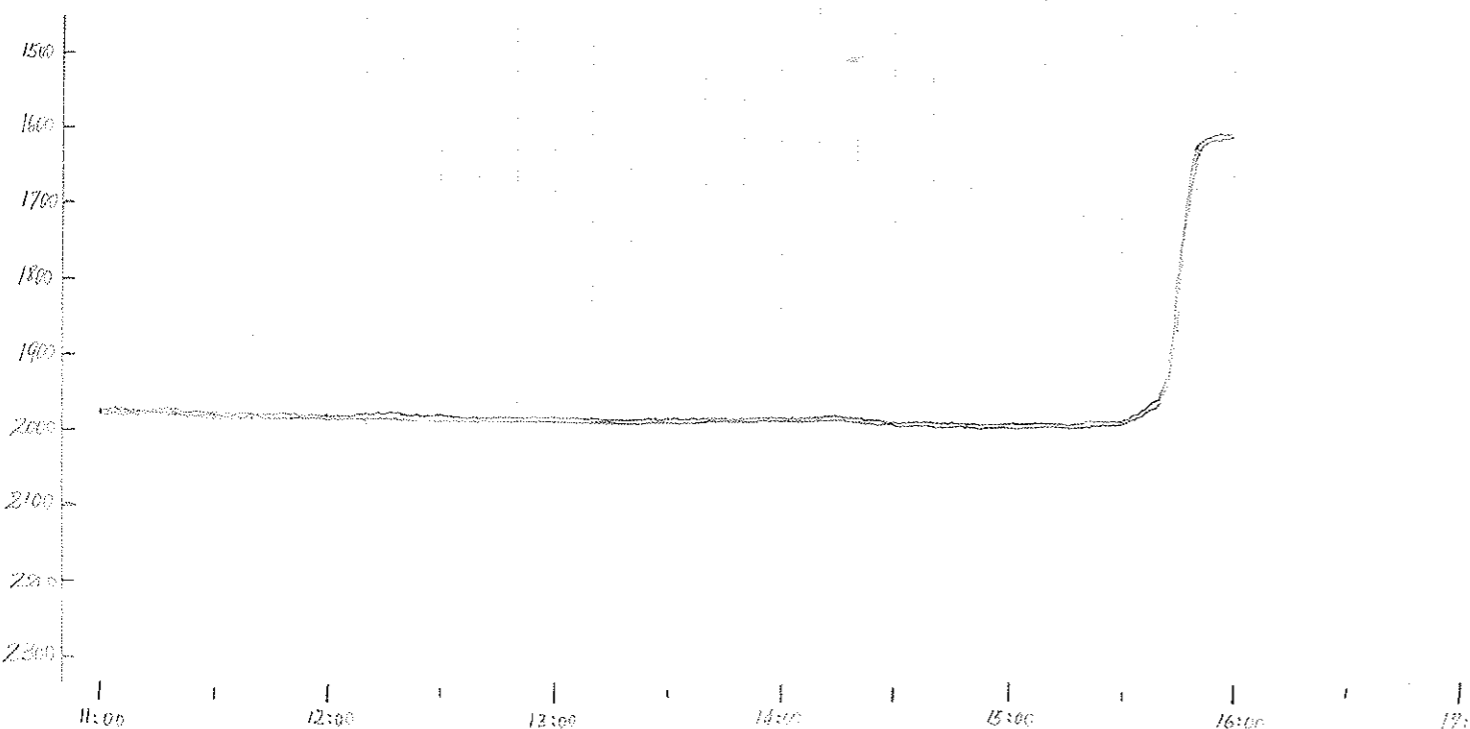
(7)



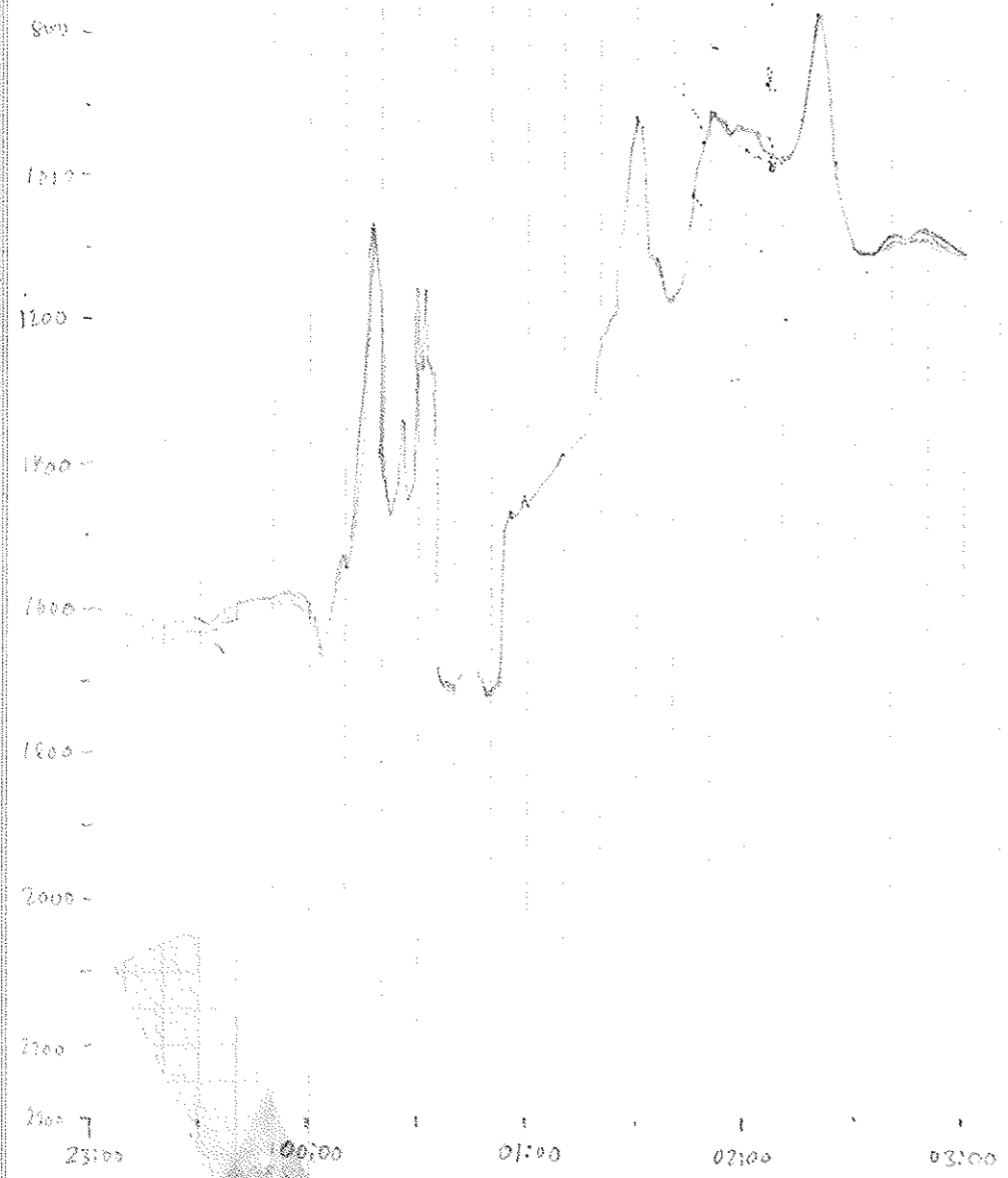
Roll	Profile	Date	Time (GMT)	Latitude	Longitude	Speed	Depth	Course	Range	Toggles	Sweeps	Delay	Remarks	Controller
7		23 Nov. 85	23:20	62°15.31	57°24.33	1.1	1915	131.5	1688-2063	KP--	2	0.25		
			23:40	62°15.41	57°23.56	0.3	1894	110.4	"	"	"	"	turned off	Uvon Breymann
			23:45											
7		24 Nov 85	3:20	62°14.84'	57°23.47'	9.7	1807	319.9	1622-2062	KP--	2	0.25	on the way to profile 224	
			3:40	62°12.69	57°27.38	10.1	1951		"	"	"	"		
			3:50	62°11.00	57°30.49	10.2	1924	311.2	"	"	"	"		de gust
			4:00	62°10.41	57°32.76	10.0	1890	317.2	"	"	"	"		
			4:10	62°09.57	57°30.36	9.7	1855	81.7	"	"	"	"	End profile 224	
			4:24	62°08.93	57°25.74	7.9	1814	326.2	"	"	"	"		
			4:30	62°08.99	57°26.42	6.9	1842	214.5	"	"	"	"	Start profile 225	
			4:40	62°02.98	57°26.30	9.9	1887	157.1	"	"	"	"		
			4:50	62°10.26	57°26.14	5.9	1886	230.8	"	"	"	"	Start profile 226	
			5:00	62°10.36	57°28.64	9.6	1923	240.6	"	"	"	"		
			5:10	62°11.84	57°31.74	9.5	1952	237.3	"	"	"	"		
			5:20	62°12.36	57°32.57	9.0	1960	301.9	"	"	"	"	End profile 226	
			5:30	62°12.33	57°33.16	6.9	1960	181.1	"	"	"	"	Start profile 227 5:28 h.	
			5:40	62°13.27	57°33.33	8.4	1961	146.6	"	"	"	"	End profile 227 5:48 h.	
			5:50	62°14.31	57°32.24	7.0	1920	258.8	"	"	"	"		
			6:00	62°13.80	57°30.75	9.3	1925	58.4	"	"	"	"	Start profile 228 5:54 h	
			6:20	62°13.00	57°30.75	9.3	1970	50.4	"	"	"	"	End profile 228 6:00	Uvon
			6:40	62°12.34	57°27.07	5.9	1997	241.8	1313-1600	KPK-P	5	0.13	Start profile 229	
			7:00	62°14.55	57°28.47	9.6	1975	253.4	1600-2063	KP	2	0.25	End of profile 229 / Start 230	
			7:10	62°15.30	57°31.00	7.7	1982	154.2	"	"	"	"	End of profile 230 / Start 231	
			7:20	62°16.72	57°29.05	9.4	1981	101.4	"	"	"	"		
			7:30	62°17.64	57°27.17	9.5	1912	246.1	"	"	"	"	End of profile 231, course to sampling position	
			7:40	62°18.88	57°28.46	9.6	1907	249.3	"	"	"	"		
			8:00	62°20.15	57°23.88	10.2	1982	246.2	"	"	"	"		
			8:40	62°21.22	57°25.40	7.1	1981	246.1	"	"	"	"		
			9:00	62°22.00	57°24.02	0.6	1978	043.6	"	"	"	"		



Roll	Profile	Date	Time (GMT)	Latitude	Longitude	Speed	Depth	Course	Range	Toggles	Sweeps	Delay	Remarks	Controller
7		24 Nov. 85	11:00	62° 19.60	57° 50.89	1.1	1975	42.3	1688-2063	KP--	2	0.25	Seabeam stop	Arias
			11:20	62° 19.44	57° 50.84	0.4	1978	49.5	"	"	"	"	"	
			11:40	62° 19.28	57° 50.29	0.0	1976	359.2	"	"	"	"	"	
			12:00	62° 19.11	57° 50.49	0.2	1976	29.8	"	"	"	"	"	
			15:00											
			15:20	62° 21.42	57° 57.45	0.0	1970	343.6	1688-2063	KP--	2	0.25	Seabeam stop	
			15:40	62° 21.22	57° 57.59	0.0	1976	278.5	"	"	"	"	"	
			16:00	62° 21.12	57° 57.59	0.0	1972	351.5	"	"	"	"	"	
			16:20	62° 20.98	57° 57.56	0.0	1972	348.7	"	"	"	"	"	
			16:40	62° 20.77	57° 57.66	0.0	1976	326.7	"	"	"	"	"	
			17:00	62° 20.59	57° 56.98	6.7	1975	65.2	"	"	"	"	"	
	start sea beam		17:17:12	62° 19.37	57° 52.12	10.8	1977	65.5	"	"	"	"	Seabeam switched on	
			17:20	62° 19.06	57° 51.11	10.8	1978	65.3	"	"	"	"	"	
			17:40	62° 17.65	57° 43.76	10.9	1981	65.7	1781-2156	"	"	0.13	Range Change	
			18:00	62° 16.25	57° 35.62	9.7	1982	65.6	"	"	"	"	"	
			18:20	62° 15.12	57° 30.03	7.7	1979	66.6	"	"	"	"	"	
			18:40	62° 14.06	57° 26.44	6.4	1963	58.8	"	"	"	"	"	
			18:44:22	62° 13.78	57° 25.46	6.8	1837	58.5	1584-1969	KP---	2	0.38	Range Change	
			18:51:37	62° 13.44	57° 24.17	3.8	1552	104.1	1406-1781	KPK-P-	5	0.13	"	
7		24 Nov. 85	19:00	62° 13.89	57° 23.26	6.9	1613	136.7	"	"	"	"	"	Valdora
			19:20	62° 15.34	57° 20.90	0.1	1773		1594-1969	KP	2	0.37	"	
			19:40	62° 15.30	57° 20.65	0.9	1763	239.3	"	"	"	"	"	
			20:03	62° 14.91	57° 21.84	1.3	1762	277.7	1406-1781	KPK-P	5	0.13	* No record due to anomaly on 35 kb signal	
			20:20	62° 14.75	57° 22.43	1.2	1749	288.9	1594-1969	KP	2	0.38	Pulse length changed to 4.0 at 21:00	
			20:40	62° 14.77	57° 23.13	1.4	1728	328.8	"	"	"	"	Seabeam stayed at 21:20	
			21:00	62° 14.23	57° 23.49	0.6	1462	003.2	1313-1688	KPK-P	5	0.25	Seabeam with manual speed control (1.0 knot) at 21:50 until 24:00	
			21:20	62° 14.14	57° 23.32	0.6	1409	9.9	"	"	"	"	"	
			21:30	62° 13.45	57° 23.26	1.1	1401	1.1	"	"	"	"	"	
			21:41	62° 13.24	57° 23.45	0.1	1490	10.0	"	"	"	"	"	
			22:00	62° 13.09	57° 23.50	0.2	1502	27.3	"	"	"	"	"	
			22:34	62° 12.73	57° 23.02	1.0	1469	300.7	1213-1594	"	"	0.38	"	
			22:40	62° 12.69	57° 23.13	0.7	1509	315.7	1313-1688	KPK-P	5	0.25	"	
			23:00	62° 13.31	57° 22.50	0.0	1587	70.9	"	"	"	"	"	



Roll	Profile	Date	Time (GMT)	Latitude	Longitude	Speed	Depth	Course	Range	Toggles	Sweeps	Delay	Remarks	Controller
7		24 Nov. 1985	23:10	62° 12.22	57° 27.33	0.2	1602	42.7	1406-1781	KPK-P-	5	0.13		Simonait
			23:20	62° 12.15	57° 22.30	0.8	1661	328.3	"	"	"	"		
			23:30	62° 12.07	57° 27.24	0.2	1655	34.8	"	"	"	"		
			23:40	62° 12.26	57° 21.94	0.3	1645	65.1	"	"	"	"		
			23:50	62° 12.23	57° 21.76	0.0	1619	81.6	"	"	"	"		
		25 Nov. 1985	00:00	62° 12.20	57° 21.61	1.5	1613	282.6	"	"	"	"		
	Z32		00:10	62° 11.96	57° 20.07	8.8	1478	88.6	1313-1688	→ 1219-1594	→ 1125-1587	→ 1031-1406		
			00:20	62° 11.93	57° 15.92	12.8	1390	88.7	1031-1406	KP--	2	0.13		
			00:30	62° 11.91	57° 10.94	13.6	1307	90.2	"	"	"	"	Switched several cables (cf. roll)	
			00:40	62° 11.74	57° 6.19	13.7	1755	89.6	1530-1875	KPK-P--	5	0.00	Switched several cables back (cf. roll)	
			00:50	62° 11.72	57° 1.13	13.4	1753	87.8	"	"	"	"		
			01:00	62° 11.70	56° 57.06	9.6	1621	89.3	"	"	"	"		
			01:12	62° 11.63	56° 52.27	10.9	1453	89.2	1313-1688	"	"	0.25		
			01:20	62° 11.60	56° 49.25	11.2	1388	89.4	"	"	"	"		
			01:30	62° 12.04	56° 46.19	11.2	922	86.3	844-1219	KP--	2	0.38	switched various cables (cf. roll)	
			01:40	62° 11.92	56° 42.22	11.3	1174	85.4	938-1313	"	"	0.25		
			01:50	62° 11.79	56° 38.24	11.1	905	86.4	844-1219	"	"	0.38		
			02:00	62° 11.67	56° 34.24	11.1	945	86.4	"	"	"	"		
			02:10	62° 11.73	56° 30.64	11.3	992	86.8	"	"	"	"		
			02:20	62° 11.63	56° 26.66	11.1	783	87.2	656-1031	K-P--	3	0.13		
			02:30	62° 11.47	56° 23.00	11.1	1104	87.3	750-1125	"	"	0.00		
			02:40	62° 11.35	56° 19.10	11.0	1090	86.9	844-1219	KP--	2	0.38		
			02:50	62° 11.24	56° 15.18	11.3	1065	87.0	"	"	"	"		



Roll	Profile	Date	Time (GMT)	Latitude	Longitude	Speed	Depth	Course	Range	Toggles	Sweeps	Delay	Remarks	Controller
7	232	25. Nov. 1985	03:00	62° 11.15'	56° 11.26'	11.1	1109	87.9	844-1219	KP---	2	0.38		Simonard
			03:20	62° 10.91'	56° 03.16'	10.8	1117	84.6	844-1219	KP	2	0.38	0000	FISK
			03:40	62° 10.60'	55° 55.51'	11.0	969	85.6	"	"	"	"		
			04:00	62° 10.47'	55° 47.75'	11.0	877	87.6	"	"	"	"		
			04:20	62° 10.59'	55° 39.72'	10.6	768	88.0	563-938	K-P	3	0.25		
			04:40	62° 10.36'	55° 31.95'	11.1	572	87.3	378-750	KP	2	0.00		
			05:00	62° 10.14'	55° 24.26'	10.8	309	87.4	188-563	KP	2	0.25		
			05:20	62° 10.04'	55° 15.30'	10.7	373	86.4	"	"	"	"		
			05:40	62° 09.70'	55° 07.86'	10.8	513	86.7	"	"	"	"		
			06:00	62° 09.48'	55° 59.90'	11.2	538	86.5	469-844	K-P	3	0.38		
			06:30	62° 08.99'	54° 48.13'	11.0	671	87.0	"	"	"	"	6:20 Tape problems	
			06:50	62° 08.79'	54° 40.05'	11.1	729	87.3	"	"	"	"	Tape fixed	
			07:00	62° 08.68'	54° 36.46'	11.2	750	86.3	"	"	"	"		
			07:20	62° 08.50'	54° 28.57'	11.2	805	87.3	656-1031	"	4	0.13		
			07:40	62° 08.31'	54° 20.73'	10.9	817	85.8	"	"	"	"		
			08:00	62° 07.97'	54° 12.84'	11.1	800	87.5	"	"	"	"		
			08:20	62° 07.78'	54° 05.14'	10.5	814	86.5	"	"	"	"		
			08:40	62° 07.60'	53° 58.16'	9.0	866	86.1	"	"	"	"		
			09:00	62° 07.72'	53° 54.24'	0.7	809	49.9	"	"	"	"		
			11:00	62° 07.24'	53° 50.36'	5.6	871	104.5	656-1031	K-P	3	0.13		
			11:20	62° 08.11'	53° 39.41'	12.7	1152	88.4	938-1313	KP	2	0.25	zwischenzeitlich mehrere Trigger-Wechsler	
			11:40	62° 07.19'	53° 32.01'	13.6	1686	86.0	1594-1969	KP	2	0.38		
			11:55	62° 06.88'	53° 22.38'	13.5	2112	87.8	1875-2250	KP	2	0.00		
			12:19	62° 06.14'	53° 12.57'	14.0	2249	87.8	1969-2344	KPKP	5	0.38		
			12:32	62° 06.03'	53° 05.73'	13.5	2323	87.8	2156-2537	KPKP	5	0.13		
			12:53	62° 05.88'	52° 55.57'	13.5	2424	88.2	2344-2719	KP	2	0.38		
			13:10	62° 05.96'	52° 46.89'	13.4	2610	88.3	2349-2719	KP	2	0.38		
			13:30	62° 05.47'	52° 36.30'	13.4	2624	83.6	2438-2813	KP	2	0.25		
			13:50	62° 04.88'	52° 28.42'	13.2	2818	83.6	2531-2806	KP	2	0.13		

* Beginn Station 302
Ende Station 302 : 09.54 h
Fortsetzung Profil 232

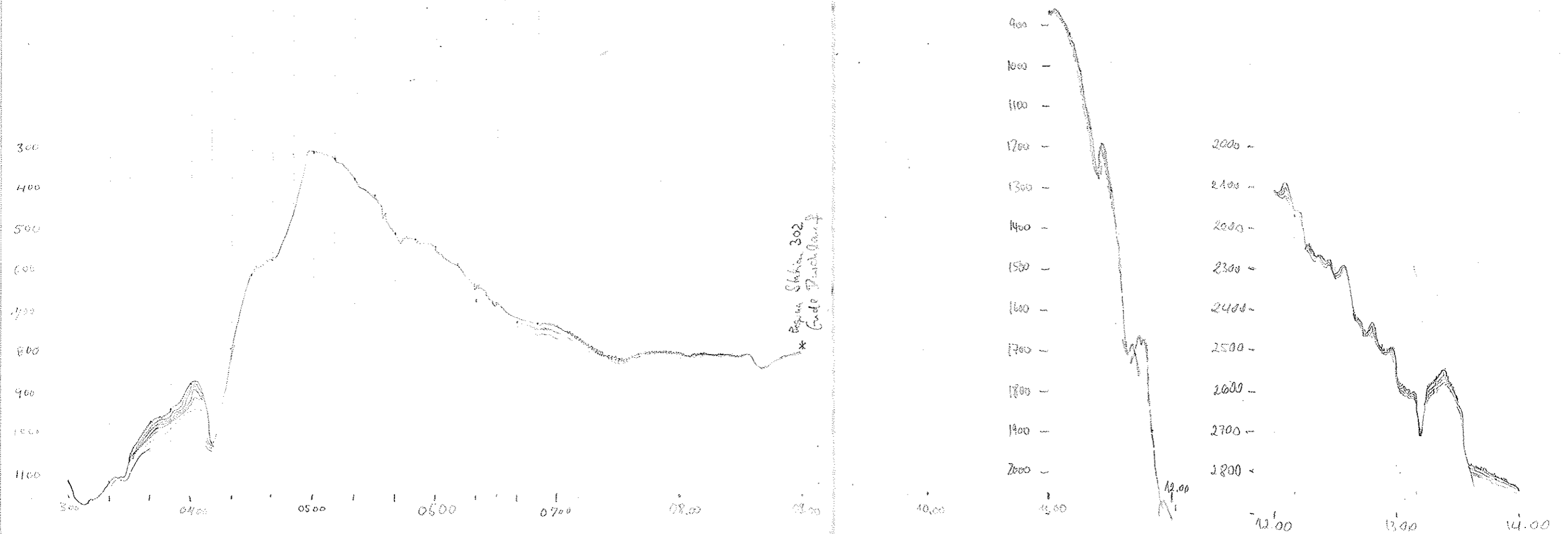


Neubauer

Schlie

Schlie

POREIDMI



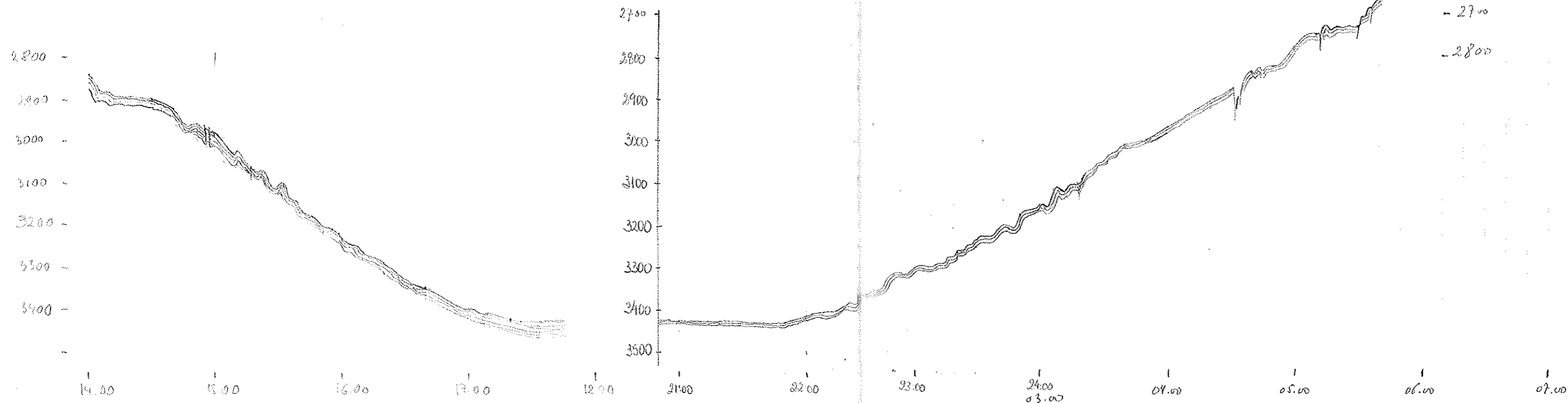
Roll	Profile	Date	Time (GRT)	Latitude	Longitude	Speed	Depth	Course	Range	Temp	Csrops	Delay	Remarks	Location
7	232	25. Nov. 1985	14.00	62° 04.71	52° 23.98	13.7	2845	86.9	2531-2806	KP	2	0.13		PORCASH Schlie Schlie PORCASH
			14.24	62° 04.52	52° 13.27	12.2	2895	84.6	2625-3000	KP	2	0.00		
			14.40	62° 04.15	52° 04.38	13.5	2925	86.6	"	"	"	"		
			14.50	62° 03.86	51° 55.64	13.0	2882	87.4	2813-3188	K-P	3	0.25		
			15.10	62° 03.86	51° 50.63	13.1	3024	88.2	"	"	"	"		
			15.30	62° 03.67	51° 41.32	13.3	3109	87.7	"	"	"	"		
			15.50	62° 03.60	51° 29.51	13.8	3198	88.2	3094-3469	KP	2	0.38		
			16.10	62° 03.53	51° 22.13	13.6	3260	88.1	"	"	"	"		
			16.20	62° 03.43	51° 17.29	13.7	3286	86.4	3094-3469	KP	2	0.38	Schlie	
			16.41	62° 03.17	51° 07.21	13.6	3347	86.5	"	"	"	"		
			17.00	62° 02.83	50° 58.10	13.5	3400	87.4	"	"	"	"		PORCASH Schlie
			17.20	62° 02.48	50° 49.52	10.3	3419	82.8	3094-3469	KP	2	0.38		
			17.47	62° 02.26	50° 42.26	4.8	3424	90.9	3281-3656	KP	2	0.13		
			17.42	62° 02.15	50° 43.28									

Begin Station 303

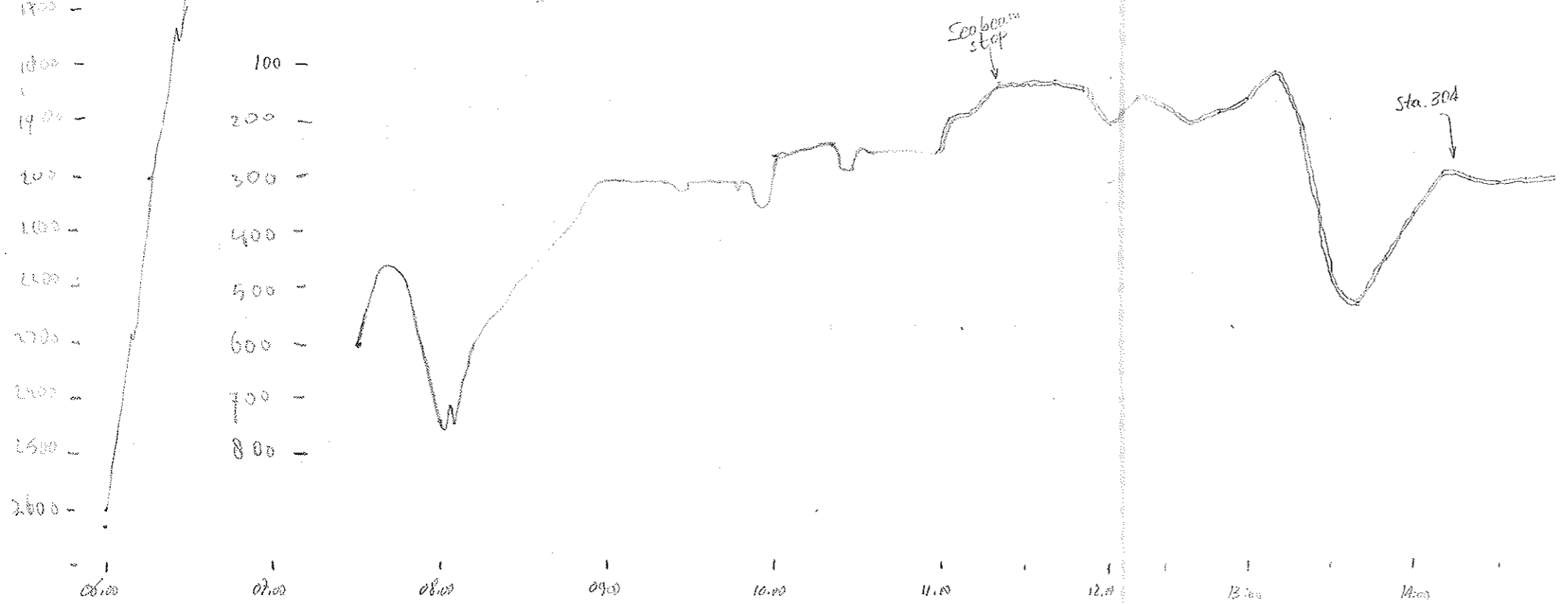
26. Nov. 1985

Begin 233 →

00:00	62° 03.01'	50° 39.43'	0.2	3421	39.1	3281-3656	KP----	2	0.13	
00:20	62° 02.99'	50° 37.97'	0.4	3421	66.8	"	"	"	"	
00:30	62° 03.12'	50° 37.49'	5.7	3422	199.8	"	"	"	"	
00:40	62° 03.56'	50° 40.34'	10.6	3426	259.6	"	"	"	"	
01:00	62° 04.40'	50° 48.11'	12.3	3414	248.4	"	"	"	"	
01:20	62° 05.27'	50° 57.01'	13.8	3385	258.1	"	"	"	"	
01:40	62° 07.10'	51° 04.90'	12.9	3350	260.1	"	"	"	"	
01:50	62° 07.46'	51° 09.44'	13.1	3325	260.8	3188-3569	"	"	0.25	Range Change
02:00	62° 06.20'	51° 18.66'	13.0	3301	261.7	"	"	"	"	
02:20	62° 07.44'	51° 27.57'	12.9	3258	252.6	3094-3469	KP----	2	0.38	Range Change
02:40	62° 09.20'	51° 35.39'	13.4	3210	255.7	"	"	"	"	
03:00	62° 10.45'	51° 44.82'	13.2	3150	256.1	"	"	"	"	
03:20	62° 11.48'	51° 53.83'	13.0	3084	256.3	2906-3281	K-P	3	0.13	
03:40	62° 12.51'	52° 02.82'	11.9	3019	256.3	"	"	"	"	
04:00	62° 13.25'	52° 13.07'	13.8	2966	254.3	"	"	"	"	
04:20	62° 14.52'	52° 22.25'	13.2	2905	253.2	2719-3094	"	"	0.38	
04:40	62° 15.72'	52° 31.21'	13.3	2831	255.1	"	"	"	"	
05:00	62° 17.01'	52° 40.36'	13.3	2773	252.9	"	"	"	"	-2500
05:20	62° 18.24'	52° 49.52'	13.2	2725	254.1	2531-2906	KP	2	0.13	
05:40	62° 19.37'	52° 58.80'	13.7	2662	255.0	"	"	"	"	-2600
06:00	62° 20.49'	53° 08.28'	13.7	2545	256.9	2250-2625	KPKP	5	0.00	-2800



Roll	Profile	Date	Time	Latitude	Longitude	Speed	Depth	Course	Range	Fogyle	Sweeps	Delay	Remarks	Controller
7	233	26-11-85	06.20	62° 21.60	53° 17.71	13.7	1923	255.0	1544-1969	KP	2	0.38		de groot
			06.40	62° 22.71	53° 27.04	13.6	1433	255.1	1219-1594	KPK-P	5	0.38		
			07.00	62° 24.03	53° 36.41	13.5	1091	255.5	844-1219	KP	2	0.38		
			07.20	62° 25.30	53° 45.10	13.2	864	252.3	656-1051	K _m P	2	0.13		
			7.26						464-Jay	"	"	0.38		Latan
			7.40	62° 26.35	53° 54.33	13.3	484	254.3	201-656	KP	2	0.13		
			7.55						464 " Jay	K-P	2	0.38		
			8.00	62° 27.11	54° 03.59	13.3	371	255.0		"	"	"		
			8.07						375-750	KP	2	.00		
			8.20	62° 28.66	54° 11.33	13.0	479	255.5		"	"	"		
			8.35						201-6.56	"	"	0.13		
			8.40	62° 29.78	54° 21.29	12.7	365	265.8		"	"	"		
			9.00	62° 30.61	54° 29.94	12.7	298	253.6		"	"	"		
900 -			9.20	62° 31.40	54° 36.61	7.7	244	256.8	1012-563	KP	2	0.25	echosounder mismatch/ Seabcam out of area	
			9.40	62° 32.98	54° 42.85	8.3	280	258.0	"	"	"	"		
1000 -			10.00	62° 33.22	54° 47.70	9.3	290	257.9	"	"	"	"		
			10.20	62° 33.90	54° 54.00	9.3	238	254.0	"	"	"	"		
1100 -			10.40	62° 33.71	55° 01.18	9.2	238	255.9	"	"	"	"		
			11.00	62° 34.43	55° 07.66	9.5	214	256.1	"	"	"	"		
1200 -			11:05	62° 34.65	55° 09.30	9.7	193	256.5	94-469	"	"	0.38	Range change. Seabcam stop at 11:19. Roll change.	
1300 -	8		11:20	62° 35.25	55° 14.25	9.4	147	253.1	"	"	"	"		
			11:40	62° 36.17	55° 20.70	9.1	127	253.0	"	"	"	"		
1400 -			12:00	62° 37.08	55° 27.07	9.0	147	251.9	"	"	"	"		
			12:20	62° 38.00	55° 34.11	12.7	161	253.9	"	"	"	"		
1500 -			12:40	62° 39.17	55° 43.13	13.2	201	254.2	"	"	"	"		
			13:00	62° 40.35	55° 52.47	13.5	156	255.6	"	"	"	"		
1600 -			13:20	62° 41.52	56° 01.82	13.3	218	254.6	"	"	"	"		
			13:30	62° 42.26	56° 06.27	13.6	470	254.6	375-750	"	"	0.00	Range change.	
1700 -			13:40	62° 42.74	56° 10.81	12.7	524	261.1	"	"	"	"		
1800 -			14:00	62° 43.56	56° 17.81	6.1	362	271.6	188-563	"	"	0.25	Range change. (Sta. 304 at 14:12). Bathymograph stop.	
1900 -			14:20	62° 43.52	56° 20.59	2.3	305	229.6	"	"	"	"		
2000 -			14:40	62° 43.35	56° 19.14	0.0	304	36.5	"	"	"	"		
2100 -			15:00	62° 43.24	56° 18.86	0.0	248	64.1	"	"	"	"		



Range change.
Seabcam stop at 11:19.
Roll change.

Range change.
(Sta. 304 at 14:12).
Bathymograph stop.

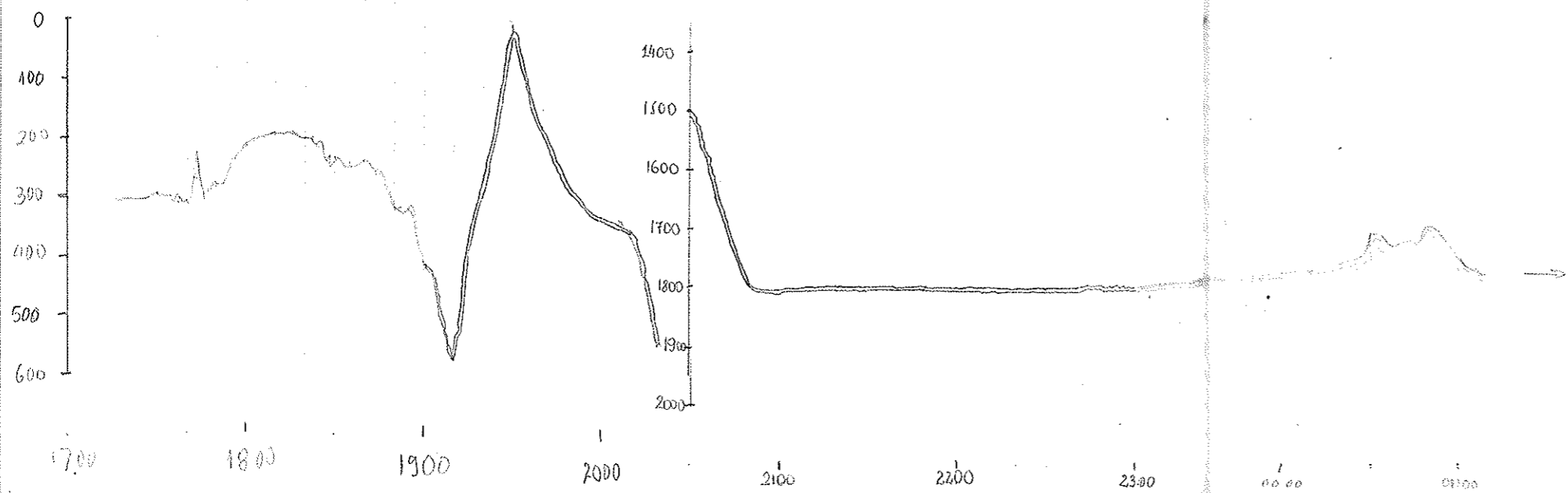
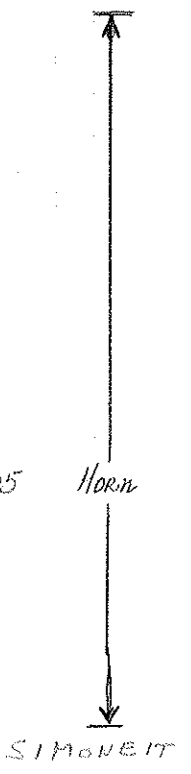
Arias

Roll	Profile	Date	Time (GMT)	Latitude	Longitude	Speed	Depth	Course	Range	Toggles	Sweeps	Delay	Remarks	Controller
8	233	26 Nov 85			3.5 KHz	turned on at			17:10					
			17:34	62°43.43'	56°17.21'	2.6	293	273.8	188-563	KP	2	0.25		
			17:50	62°41.21'	56°22.90'	-	274	297.1	"	"	"	"		
			18:10	62°38.33'	56°31.80'	12.9	1180	299.4	94-469	"	"	0.38		
			18:20	62°37.29'	56°35.80'	12.7	200	298.5	"	"	"	"		
			18:40	62°34.90'	56°43.47'	12.9	240	305.7	"	"	"	"		
			19:00	62°32.30'	56°51.03'	13.4	423	306.1	"	"	"	"		
			19:04	62°31.61'	56°52.63'	12.4	465	319.3	94-469	KP----	2	0.38		
			19:12	62°31.67'	56°54.01'	13.0	654	323.8	469-844	K-P----	3	0.38	Range Change	
			19:20	62°30.73'	56°56.76'	12.8	791	305.9	"	"	"	"		
			19:37	62°29.20'	57°04.56'	12.5	162	304.4	94-469	KP----	2	0.38	Range Change	
			19:40	62°28.92'	57°05.44'	12.6	187	304.4	"	"	"	"		
			20:00	62°26.19'	57°12.45'	12.8	332	311.2	"	"	"	"		
			20:13	62°24.32'	57°17.11'	12.5	394	310.9	188-563	"	"	0.25	Range Change	
			20:19	62°23.50'	57°19.10'	12.6	420	311.4	281-656	"	"	0.13	Range Change	
			20:20	62°23.42'	57°19.30'	12.7	500	312.2	"	"	"	"		
			20:25	62°22.62'	57°21.24'	12.5	1470	311.8	1313-1688	KPK-P--	5	0.38	Range Change	
			20:40	62°20.90'	57°25.49'	10.6	1627	309.0	1594-1969	KP-----	2	0.38	Range Change	
			21:00	62°19.35'	57°28.27'	0.4	1809	295.2	"	"	"	"		
			21:08.02	62°19.32'	57°28.38'	0.0	1798	0.0	"	"	"	"		
			21:20	62°19.34'	57°28.39'	0.0	1800	340.1	"	"	"	"		
			21:40	62°19.12'	57°28.56'	0.0	1805	358.4	"	"	"	"		
			22:00	62°19.42'	57°27.95'	0.1	1799	349.1	"	"	"	"		
			22:20	62°19.50'	57°27.84'	0.1	1797	174.5	"	"	"	"		
			22:40	62°19.57'	57°28.01'	0.3	1789	188.1	"	"	"	"		
			23:00	62°19.60'	57°27.87'	0.0	1786	138.6	"	"	"	"		
			23:10	62°19.64'	57°27.69'	-0.2	1783	84.5	"	"	"	"		
			23:20	62°19.67'	57°27.54'	0.0	1783	152.5	"	"	"	"		
			23:30	62°19.78'	57°27.33'	-0.1	1784	134.7	"	"	"	"		
			23:40	62°19.84'	57°27.24'	0.2	1780	164.7	"	"	"	"		
		27 Nov 1985	00:00	62°19.73'	57°27.87'	-0.2	1775	66.1	"	"	"	"		
			00:20	62°19.79'	57°27.79'	0.0	1760	144.9	"	"	"	"		
			00:30	62°19.87'	57°27.71'	1.9	1711	157.2	"	"	"	"		
			00:40	62°19.44'	57°26.35'	5.0	1738	53.8	"	"	"	"		
	234		00:46	62°19.14'	57°25.56'	4.8	1738	61.7	"	"	"	"		
			00:50	62°19.00'	57°24.48'	4.7	1700	53.4	"	"	"	"		
			01:00	62°18.50'	57°23.00'	5.0	1752	54.1	"	"	"	"		
			01:10	62°18.84'	57°21.43'	4.7	1787	67.6	"	"	"	"		

Stop Pelastern for Station 305

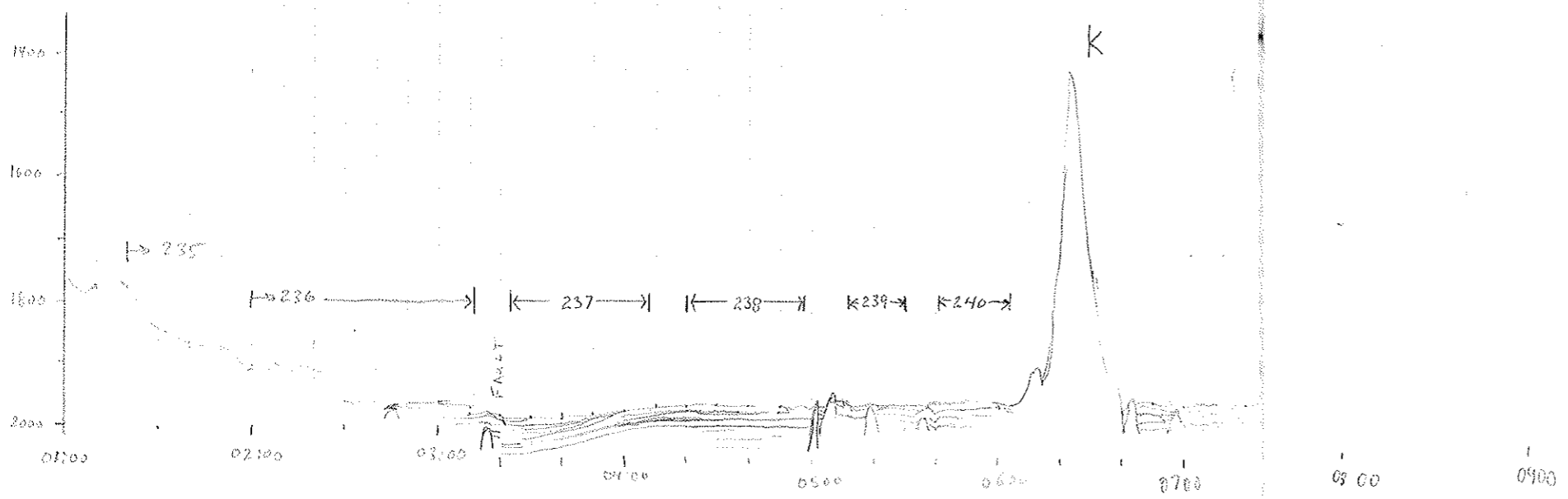
Range Change
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Range Change

Begin Station 305

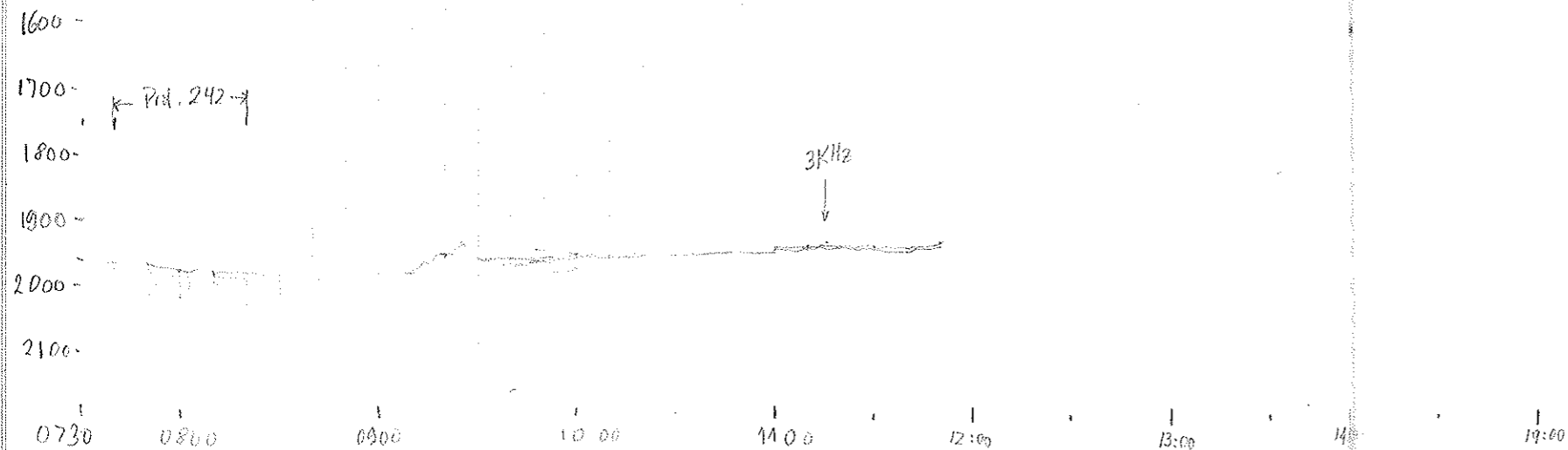


Start profile run
end profile 234

Roll	Profile	Date	Time (GMT)	Latitude	Longitude	Speed	Depth	Course	Range	Toggles	Sweeps	Delay	Remarks	Controller
8		27. NOV. 1985	01:20	62° 18.20	57° 21.21	5.6	1777	325.4	1594-1969	KP-----	2	0.38		SIMONEIT
	235		01:22	62° 18.02	57° 21.47	4.4	1794	330.8	"	"	"	"	Start 235 profile	
			01:30	62° 17.50	57° 21.99	5.1	1851	341.1	"	"	"	"		
			01:40	62° 16.53	57° 22.77	5.0	1888	355.9	"	"	"	"		
			01:50	62° 15.93	57° 23.54	5.0	1900	371.3	"	"	"	"		
			01:55	62° 15.36	57° 23.99	4.5	1911	376.1	1688-2063	KP-----	2	0.25	end 235	
			02:00	62° 15.01	57° 23.87	4.3	1913	376.1	"	"	"	"		
	236		02:08	62° 15.97	57° 23.98	5.0	1907	223.6	"	"	"	"	start 236	
			02:10	62° 15.46	57° 24.71	4.2	1909	248.7	"	"	"	"		
			02:20	62° 15.73	57° 25.71	4.4	1933	245.9	"	"	"	"	passing by ship	
			02:30	62° 16.01	57° 27.11	4.4	1968	246.0	"	"	"	"		
			02:40	62° 16.33	57° 28.41	4.4	1977	248.0	"	"	"	"		
			02:50	62° 16.58	57° 29.83	4.4	1980	250.3	"	"	"	"		
			03:00	62° 16.86	57° 21.24	4.2	1981	250.2	"	"	"	"		
			03:12	62° 17.18	57° 33.01	4.4	1983	252.4	"	"	"	"	FWD of 236	FISK
			03:20	62° 17.34'	57° 32.94	4.4	1981	35.1	"	"	"	"		
	237		03:24	62° 17.16'	57° 33.04	5.0	1985	323.7	"	"	"	"	START 237	
			03:40	62° 16.02'	57° 33.91'	4.4	1985	342.4	"	"	"	"		
			04:00	62° 14.63'	57° 34.76'	4.3	1973	341.9	"	"	"	"		
			04:07	62° 14.03'	57° 35.37'	4.5	1969	339.5	"	"	"	"	END of 237	
	238		04:20	62° 14.08'	57° 35.30	1.9	1968	272.8	"	"	"	"	START 238	
			04:40	62° 14.73'	57° 38.01'	8.6	1971	249.1	"	"	"	"		
			04:56	62° 15.55'	57° 42.56'	6.6	1966	249.1	"	"	"	"	END 238	
			05:00	62° 15.53'	57° 43.26'	5.9	1963	319.7	"	"	"	"		
	239		05:08	62° 15.02'	57° 43.10'	4.6	1956	156.2	"	"	"	"	START 239	
			05:20	62° 14.69'	57° 40.89	7.5	1964	60.5	"	"	"	"		
			05:30	62° 14.13	57° 38.47	7.4	1965	71.8	"	"	"	"	END 239	
			05:40	62° 13.60	57° 39.01	5.4	1965	244.3	"	"	"	"		
	240		05:41	62° 13.64'	57° 39.24	5.5	1965	256.6	"	"	"	"	START 240	
			06:00	62° 14.23'	57° 42.47	4.9	1972	242.6	"	"	"	"		
			06:04	62° 14.36'	57° 43.06	4.7	1972	245.7	"	"	"	"	END 240	
			06:20	62° 13.72	57° 42.92	7.8	1825	249.6	"	"	"	"		
	241		06:28	62° 13.53	57° 43.87	6.9	1353	81.7	1219-1594	KPK-P	5	.38	START 241	
			06:40	62° 13.11	57° 40.41	6.3	1971	76.0	1688-2063	KP	2	0.25		
			07:00	62° 12.66	57° 36.40	4.0	1963	76.5	"	"	"	"		
			07:20	62° 12.27	57° 33.06	3.9	1960	75.5	"	"	"	"		
			07:23	62° 12.23	57° 32.52	4.1	1962	80.6	"	"	"	"	END of 241	Valdivia



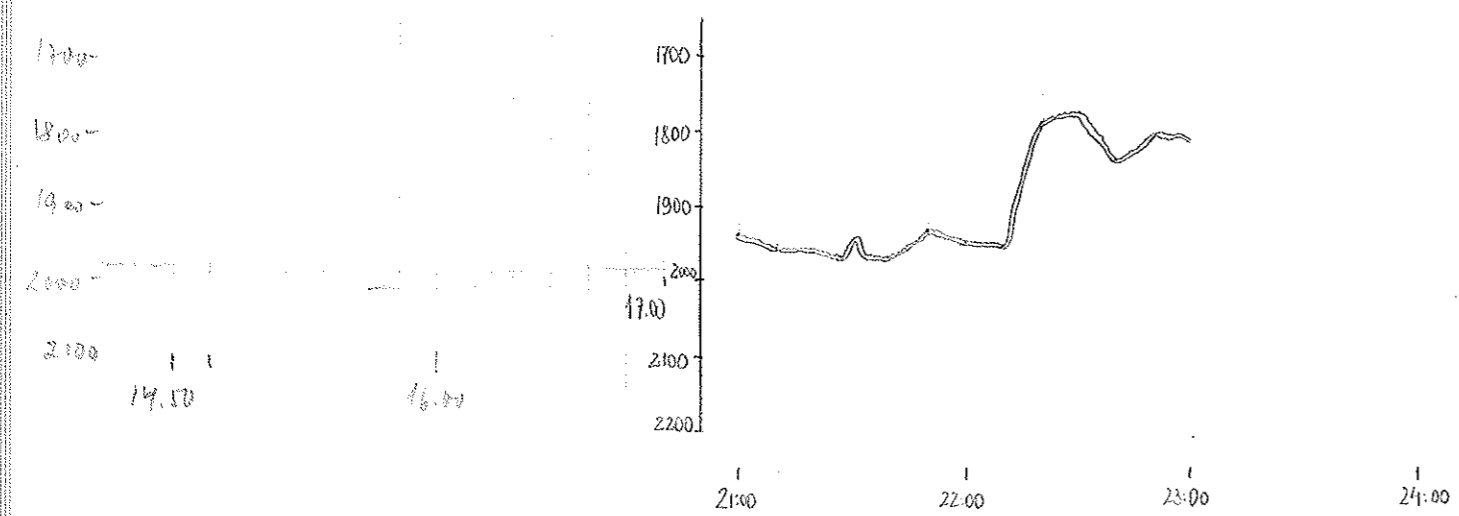
Roll	Profile	Date	Time	Latitude	Longitude	Speed	Depth	Course	Range	Toggles	Sweeps	Delay	Notes	Controller
7	242	27 Nov 85	0740	62° 12.18'	57° 32.33'	4.8	1961	195.9	1682-2063	KP	2	0.25	Start Prof 242	91
			08.01	62° 13.70'	57° 31.21'	5.1	1971	168.7	"	"	"	"	"	
			08.20	62° 14.94'	57° 30.45'	3.8	1987	164.3	"	"	"	"	"	
			08.22	62° 15.10'	57° 30.35'	3.7	1983	166.0	"	"	"	"	"	End Prof 242
			08.40	62° 14.13'	57° 28.99'	5.8	1980	39.6	"	"	"	"	"	
			09.00	62° 14.01'	57° 29.13'	0.5	1977	90.0	"	"	"	"	"	
			09.21	62° 14.04'	57° 27.15'	2.7	1951	96.1	"	"	"	"	"	Seabeam turned
			09.40	62° 14.11'	57° 26.80'	0.1	1934	70.7	"	"	"	"	"	off at 0940
			10.00	62° 13.65'	57° 26.37'	0.1	1953	83.3	"	"	"	"	"	arrive Sta. 306.
			10.20	62° 13.63'	57° 26.42'	0.1	1953	278.0	"	"	"	"	"	at 109.40
			10.40	62° 13.85'	57° 25.96'	0.0	1948	129.7	"	"	"	"	"	
			11.00	62° 13.73'	57° 25.73'	0.1	1998	122.2	"	"	"	"	"	
			11:20	62° 13.74'	57° 25.71'	0.0	1945	138.3	"	"	"	"	"	11:15 → 3 Hz
			11:40	62° 13.73'	57° 25.86'	0.0	1945	258.0	"	"	"	"	"	
			12:00	62° 13.68'	57° 26.99'	5.5	1937	271.1	"	"	"	"	"	12:07 → Stop Bathygraph



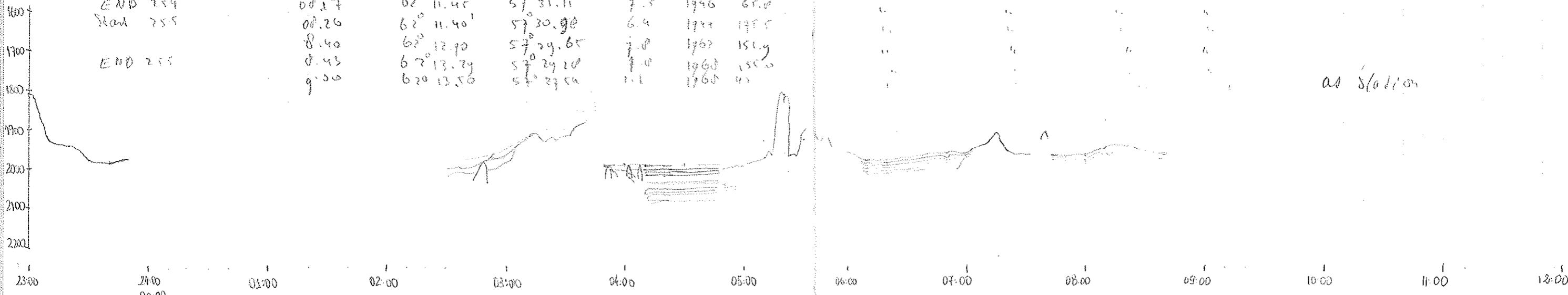
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Arias
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Roll	Profile	Date	Time	Latitude	Longitude	Speed	Depth	Down	Range	Toggles	Sweeps	Delay	Notes	Controller
8		27 Nov 85	14:50	62° 14.14'	57° 29.53'	8	1978	197.5	1688-2063	KP	2	0.25	Search Station 307	Walu
			15:00	62° 15.22'	57° 30.04'	7.4	1979	201.5	"	"	"	"		
			15:26	62° 17.43'	57° 31.92'	3.9	1980	207.3	"	"	"	"		FISK
			15:40	62° 18.12'	57° 32.58'	2.9	1978	202.6	"	"	"	"		
			15:50	62° 18.48'	57° 33.06'	2.2	1977	268.2	"	"	"	"		
			16:00	62° 17.93'	57° 32.64'	1.6	1934	320.3	"	"	"	"		
			16:10	62° 17.71'	57° 33.03'	2.8								
			17:51	62° 17.84'	57° 33.53'	0.8	1977	171.7	"	"	"	"	Dredge	Whitaker
			18:01	62° 18.01'	57° 32.48'	0.8	1955	170.0	"	"	"	"		
			18:15	62° 18.14'	57° 33.45'	1.0	1912	179.7	"	"	"	"		
			18:33	62° 18.15'	57° 32.53'	0.8	1904	135.5	"	"	"	"		
			18:55	62° 18.28'	57° 32.26'	0.6	1978	132.0	"	"	"	"		
			20:35	62° 14.25'	57° 29.03'	5.6	1975	34.5					to mound	FISK
			21:20	62° 13.56'	57° 28.62'	1.5	1963	43.5						
			21:34	62° 12.76'	57° 28.40'	0.1	1951	348.5					CTD Station	
			21:40	62° 12.73'	57° 28.41'	0	1958	358.4						
			22:00	62° 12.97'	57° 27.71'	-0.9	1940	174.9						Whitaker
			22:10	62° 13.03'	57° 27.91'	-0.1	1928	240.1						
			22:30	62° 13.19'	57° 28.08'	-0.12	1945	239.8						
			23:22	62° 13.50'	57° 28.41'	0.5	1965	74.8						
			23:30	62° 13.67'	57° 30.59'	0.5	1963	87.1						

Roll	Profile	Date	Time	Latitude	Longitude	Speed	Depth	Down	Range	Toggles	Sweeps	Delay	Notes	Controller
8		28. Nov. 1985	00:00	62° 12.96'	57° 27.39'	0.1	1934	53.2	1688-2063	KP	2	0.25		
			00:20	62° 13.01'	57° 27.87'	0.9	1954	346.7	"	"	"	"		
	Begin Profile 243		00:28	62° 13.27'	57° 28.57'	6.9	1961	192.4	"	"	"	"		
			00:40	62° 14.42'	57° 27.59'	6.4	1967	158.9	"	"	"	"		
			01:00	62° 16.09'	57° 26.07'	6.5	1943	158.4	"	"	"	"		
			01:20	62° 18.02'	57° 24.39'	6.4	1789	159.8	"	"	"	"		
			01:26	62° 18.62'	57° 23.75'	5.8	1757	112.5	1500-1875	KPK-P--	5	0.00	Range Change	
			01:40	62° 17.53'	57° 22.10'	6.1	1839	350.8	1688-2063	KP----	2	0.25	" "	
	Begin Profile 244		01:42	62° 17.31'	57° 22.43'	5.7	1855	283.8	"	"	"	"		
			02:00	62° 17.98'	57° 25.97'	6.3	1813	249.9	"	"	"	"		



Roll	Profile	Date	Time(GMT)	Latitude	Longitude	Speed	Depth	Course	Range	Toggles	Sweeps	Delay	Notes	Controller
8	244	28.11.85	02:10	62°18'19"	57°27'27"	6.4	1930	251.8	1688-2063	KP----	2	0.25		
	End 244		02:15:56	62°18'39"	57°28'48"	6.0	1958	251.1	"	"	"	"	End Profile 244	
			02:20	62°18'62"	57°28'40"	5.7	1942	82.9	"	"	"	"		
	Begin 245		02:23:51	62°18'33"	57°28'29"	6.3	1961	312.2	"	"	"	"	Start Profile 245	
			02:30	62°17'69"	57°28'86"	6.5	1978	340.2	"	"	"	"		
	End 245		02:34:46	62°17'26"	57°29'13"	6.4	1981	335.5	"	"	"	"	End Profile 245	
			02:40	62°17'24"	57°30'28"	5.5	1983	145.3	"	"	"	"		
	Begin 246		02:44:41	62°17'27"	57°29'22"	6.7	1979	66.5	"	"	"	"	Start Profile 246	
			02:50	62°17'00"	57°28'04"	6.5	1976	65.5	"	"	"	"		
			03:00	62°16'57"	57°28'83"	6.4	1963	67.8	"	"	"	"		
	END 246		03:08	62°16'24"	57°24'11"	6.4	1928	66.0	"	"	"	"	END 246	
	START 247		03:19	62°16'21"	57°24'01"	6.7	1926	338.3	"	"	"	"	START 247	
			03:20	62°16'09"	57°24'09"	6.8	1930	342.6	"	"	"	"		
	END 247		03:30	62°15'12"	57°25'08"	6.5	1885	335.3	"	"	"	"	END	
	BEGIN 248		03:40	62°15'07"	57°25'11"	6.9	1876	248.3	"	"	"	"		
			04:00	62°15'76"	57°29'18"	6.5	1982	251.5	"	"	"	"		
			04:20	62°16'44"	57°33'31"	6.4	1986	249.0	"	"	"	"		
	END 248		04:24	62°18'62"	57°34'32"	6.4	1985	249.0	"	"	"	"		
	START 249		04:30	62°16'1	57°33'9"	6.6	1984	67.5	1701-2156	KP	2	0.13		
			04:41	62°15'77"	57°32'32"	6.5	1984	68.1	"	"	"	"		
			05:00	62°14'92"	57°28'19"	6.6	1979	65.5	"	"	"	"		
	END 249		05:13	62°14'33"	57°25'36"	6.3	1961	65.7	"	"	"	"		
			05:20	62°14'50"	57°24'81"	5.3	1805	271.1	"	"	"	"		
	START 250		05:23	62°14'23"	57°26'34"	7.0	1961	328.3	"	"	"	"		
	END 250		05:32	62°13'30"	57°26'32"	6.5	1928	11.6	"	"	"	"		
			05:40	62°13'32"	57°25'91"	5.2	1937	248.0	"	"	"	"		
	START 251		05:42	62°13'42"	57°26'30"	6.5	1929	231.2	"	"	"	"		
			06:00	62°14'16"	57°30'12"	6.6	1976	240.3	"	"	"	"		
			06:10	62°15'12"	57°34'55"	6.7	1978	246.6	"	"	"	"		
	END 251		06:25	62°15'34"	57°35'70"	6.6	1978	273.0	"	"	"	"		
			06:38	62°14'25"	57°38'15"	6.0	1921	100.4	"	"	"	"		
	START 252		06:40	62°14'22"	57°35'77"	6.8	1968	63.2	"	"	"	"		
			07:00	62°12'47"	57°30'06"	7.3	1966	70.3	"	"	"	"		
	END 252		07:12	62°11'44"	57°27'06"	7.2	1924	65.1	"	"	"	"		
	START 253		07:20	62°12'14"	57°27'68"	6.2	1941	257.2	"	"	"	"		
			07:40	62°12'10"	57°31'70"	6.2	1874	254.6	1688-2063	"	"	0.25		
	END 253		07:42						1701-2156	"	"	0.13		
			07:51	62°13'11"	57°34'14"	6.2	1964	254.3	"	"	"	"		
			08:00	62°12'58"	57°34'19"	7.7	1966	348.6	"	"	"	"		
	Start 254		08:03	62°12'27"	57°34'50"	6.0	1959	071.8	"	"	"	"		
	END 254		08:17	62°11'45"	57°31'11"	7.5	1946	65.0	"	"	"	"		
	Start 255		08:26	62°11'40"	57°30'90"	6.4	1944	195.5	"	"	"	"		
			08:40	62°12'10"	57°29'65"	7.0	1963	151.9	"	"	"	"		
	END 255		08:43	62°13'29"	57°29'20"	7.0	1968	155.0	"	"	"	"		
			09:00	62°13'50"	57°29'59"	7.1	1968	42	"	"	"	"		



at station

Roll	Profile	Date	Time	Latitude	Longitude	Speed	Depth	Course	Range	Toggles	Sweeps	Delay	Note	Controller
8		28 Nov.	11:40	62° 13.38'	57° 27.71'	0.8	1912	247.0	1918-2156	KP	2	0.13	on Sta 309	97
			12:01	62° 13.36'	57° 27.62'	0.9	1918	229.0	1718-2156	KP	2	"		
			12:23	62° 13.47'	57° 27.61'	1.6	1930	239.0	"	"	"	"		Vee 1/2 via
9		28 Nov.	13:00	62° 13.72'	57° 28.53'	0.5	1963	172.1	"	"	"	"		
			13:20	62° 13.80'	57° 28.75'	0.7	1964	241.6	"	"	"	"	Seabeam with manual speed control (1.0 Knot)	
			13:42	62° 13.54'	57° 29.03'	1.3	1969	249.3	"	"	"	"	arrive to	
			14:00	62° 13.53'	57° 29.23'	1.3	1971	260.1	"	"	"	"	sta 310 at 14:15	
			14:20	62° 12.55'	57° 31.57'	3.8	1961	319.5	1594-1969	"	"	0.38		
			14:42	62° 11.97'	57° 32.07'	1.6	1950	276.7	1781-2156	"	"	0.13		
			15:00	62° 12.04'	57° 32.26'	1.0	1949	246.7	"	"	"	"		
			15:20	62° 11.94'	57° 31.29'	0.4	1951	58.4	"	"	"	"		
			15:40	62° 11.89'	57° 31.42'	1.9	1953	206.1	"	"	"	"		
			16:00	62° 12.07'	57° 31.91'	1.4	1957	158.4	"	"	"	"		
			16:15	62° 12.46'	57° 31.34'	1.1	1780	131.7	1688-2063	"	"	0.25	Range change.	
			16:20	62° 12.50'	57° 31.24'	1.0	1761	135.5	"	"	"	"		
			16:26	62° 12.53'	57° 31.04'	0.6	1668	100.3	1594-1969	"	"	0.38	" "	
			16:32	62° 12.64'	57° 31.09'	0.6	1599	105.4	1313-1688	KPK-P--	5	0.25	" "	
			16:40	62° 12.69'	57° 30.78'	0.8	1619	113.2	"	"	"	"		
			16:45	62° 12.73'	57° 30.60'	0.9	1693	120.3	1500-1825	"	"	0.00	" "	
			16:56	62° 12.80'	57° 30.22'	0.6	1878	103.9	1781-2156	KP--	2	0.13	" "	
			17:00	62° 12.80'	57° 30.12'	0.6	1921	104.5	"	"	"	"		
			17:20	62° 13.18'	57° 28.81'	2.5	1955	88.6	"	"	"	"		
			17:40	62° 13.15'	57° 26.57'	2.6	1936	96.5	"	"	"	"		
			18:00	62° 12.69'	57° 23.43'	2.3	1851	75.6	"	"	"	"		
			18:08	62° 12.49'	57° 22.27'	3.6	1768	52.5	1594-1969	"	"	0.38	Range change	
			18:20	62° 11.00'	57° 22.08'	5.2	1676	22.8	"	"	"	"		
			18:34	62° 08.93'	57° 20.22'	9.5	1811	32.6	"	"	"	"	END	

