

#15

ANT VI / 3

3,5 kHz

Von: 23.12.87

bis 2.3.88

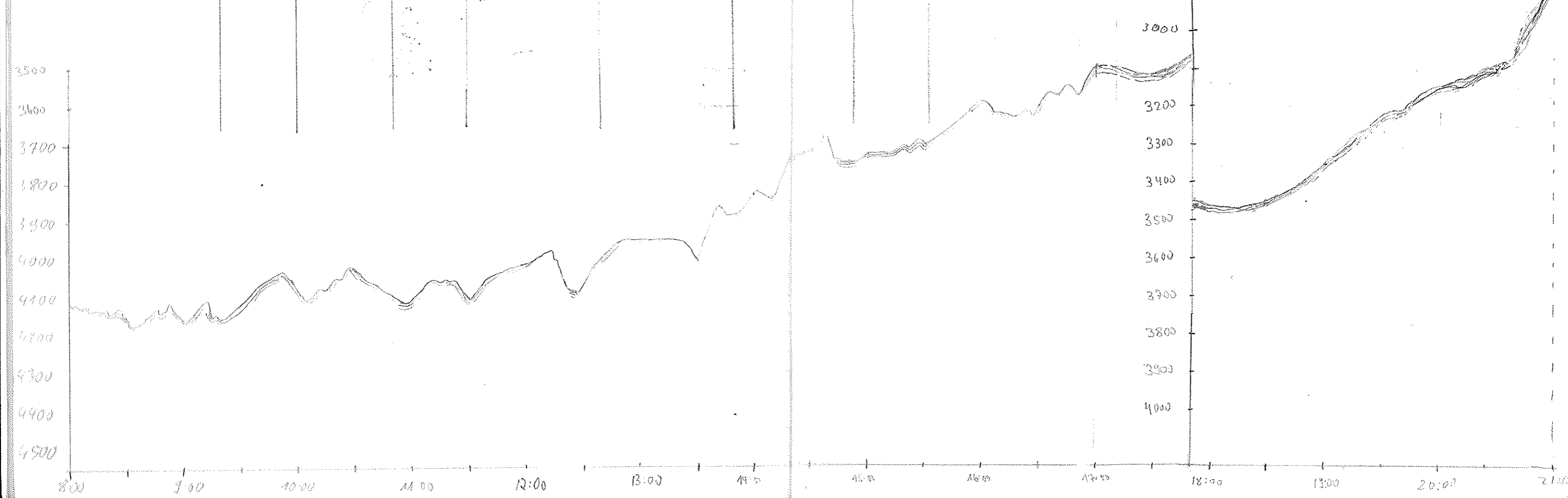


ANT VI / 3

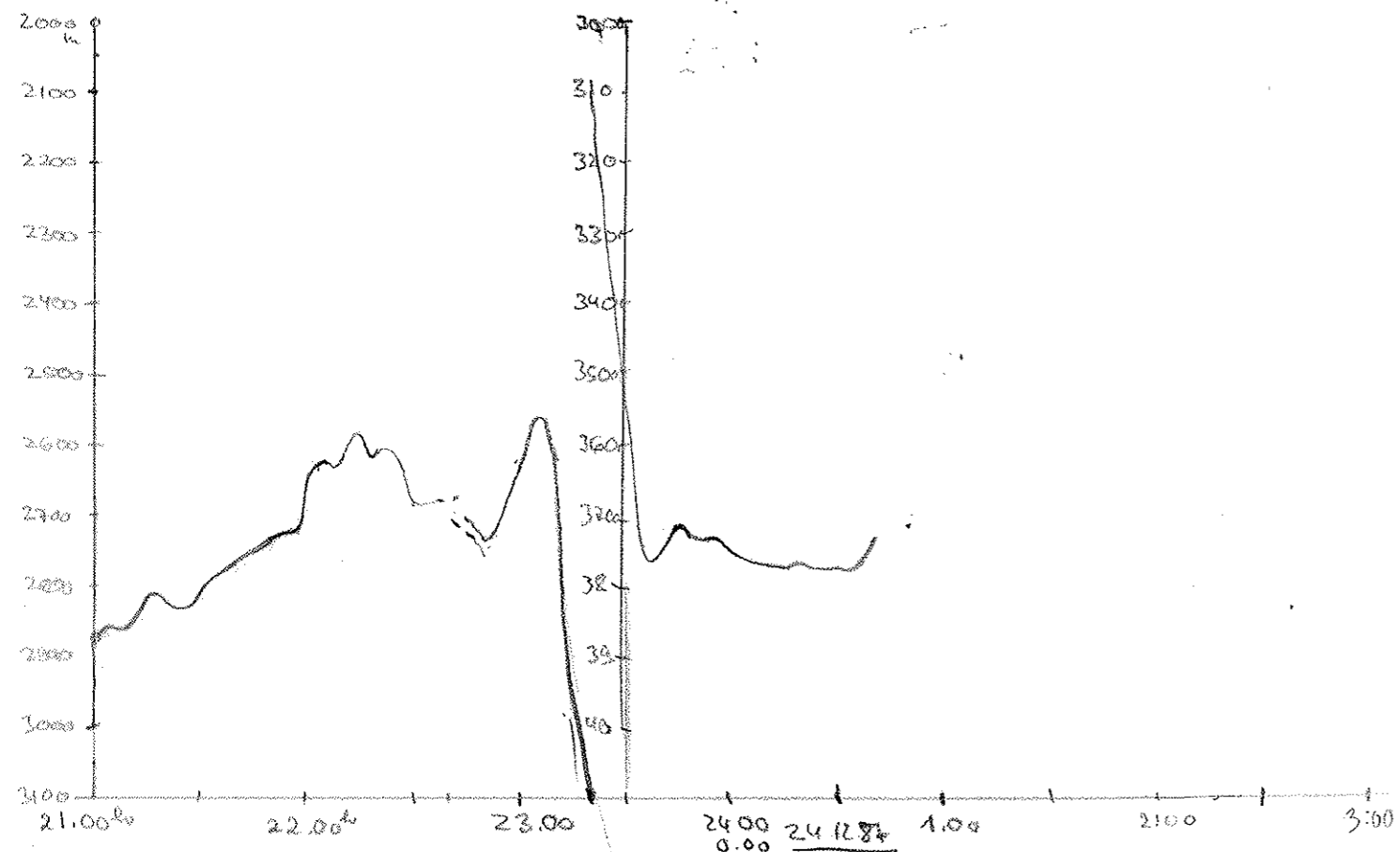
5

1987/88

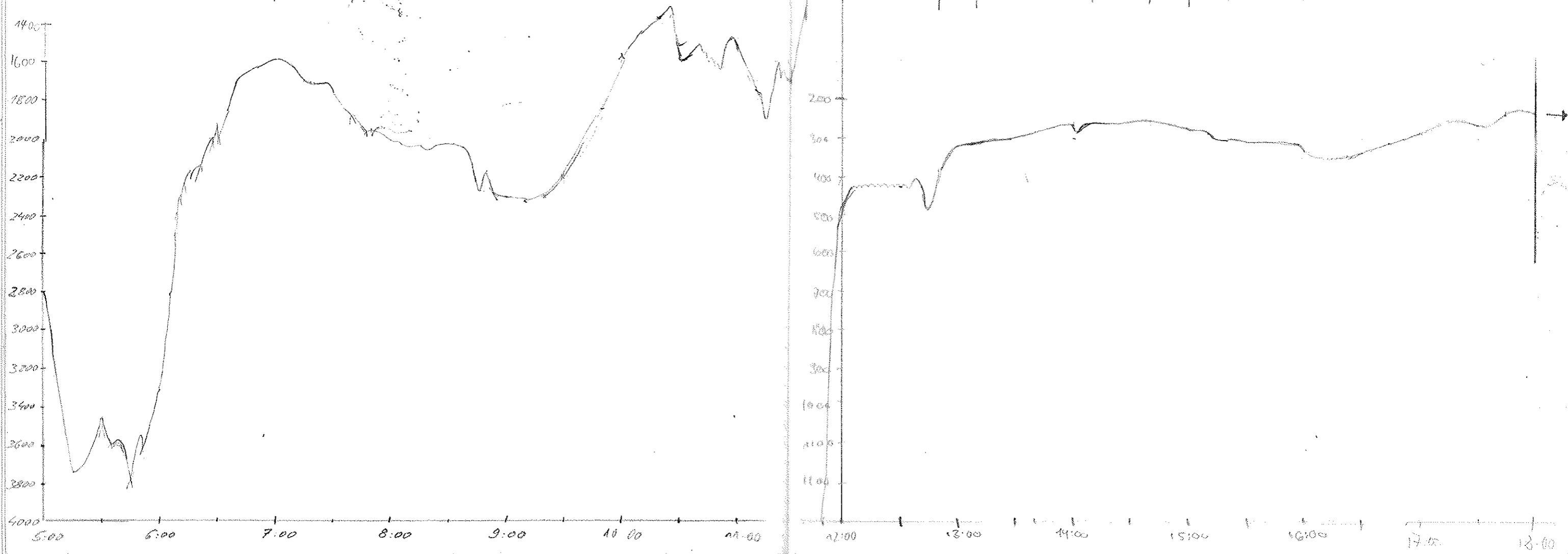
Rollé Nr.	Profil Nr.	Datum	Zeit GMT	Latitude S	Longitude W	Speed	Kurz	Wassertiefe	Wassertiefenintervalle von - bis	Sweeps	Trigger - Folge	delay	sec/Sweep	Probe length	Protokollant Name	Bemerkungen
1		23.12.87	8:20	58° 30.14	55° 33.57	13.5	118.2	4133	4031 - 4406	2	KP	0.13	1/2	1	Husber	
"	12/240	"	8:30	58° 31.19	55° 29.79	13.7	117.7	4151	"	"	"	"	"	"	"	Profilbeginn
"	"	"	9:00	58° 34.43	55° 17.90	13.7	116.4	4156	"	"	"	"	"	"	"	Melles
"	"	"	9:30	58° 37.34	55° 07.92	13.5	116.2	4131	"	"	"	"	"	"	"	"
"	"	"	9:46	58° 39.04	55° 00.70	13.8	117.4	4043	3750 - 4125	3	KP	0.00	1/2	1	"	"
"	"	"	10:30	58° 43.51	54° 43.96	13.4	116.2	4012	"	"	"	"	"	"	"	"
"	"	"	10:47	58° 45.10	54° 37.43	13.4	116.7	4095	4031 - 4406	2	KP	0.13	1/2	1	"	"
"	"	"	11:04	58° 46.72	54° 30.60	13.2	115.8	4041	3750 - 4125	3	KP	0.00	1/2	1	"	"
"	"	"	12:00	58° 52.55	54° 10.76	13.4	118.2	4031	"	"	"	"	"	"	"	"
"	"	"	12:27	58° 55.40	54° 00.87	13.4	117.7	4085	3938 - 4313	2	KP	0.25	1/2	1	"	"
"	"	"	12:50	58° 57.61	53° 52.34	08.6	117.1	3955	3844 - 4219	2	KP	0.38	1/2	1	"	"
"	12/240	"	13:01	58° 58.19	53° 50.27	04.9	116.3	3948	"	"	"	"	"	"	Cordes	Ausbringung Magnetk
"	"	"	13:30	59° 00.22	53° 46.81	08.3	117.8	4024	"	"	"	"	"	"	"	"
"	"	"	13:40	59° 01.02	53° 44.87	09.9	117.7	3855	3750 - 4125	3	KP	0.00	"	"	"	"
"	"	"	14:00	59° 02.64	53° 38.02	10.8	117.8	3831	"	"	"	"	"	"	"	"
"	"	"	14:17	59° 04.13	53° 32.96	10.4	117.8	3808	3656 - 4031	"	KP	0.13	"	"	"	"
"	"	"	14:30	59° 05.22	53° 29.25	10.5	117.4	3719	"	"	"	"	"	"	"	"
"	"	"	15:00	59° 07.70	53° 20.62	10.4	117.9	3726	"	"	"	"	"	"	"	"
"	"	"	15:30	59° 10.21	53° 10.54	10.3	119.4	3700	"	"	"	"	"	"	"	"
"	"	"	15:37	59° 10.80	53° 08.51	10.5	118.5	3678	3563 - 3938	"	"	0.25	"	"	"	"
"	"	"	15:55	59° 12.58	53° 03.07	10.5	118.8	3580	3469 - 3844	"	"	0.38	"	"	"	"
"	"	"	16:30	59° 15.89	52° 52.95	10.4	117.7	3506	"	"	"	"	"	"	"	"
"	"	"	17:09	59° 18.66	52° 44.17	10.0	118.0	3482	3375 - 3750	2	KP	0.00	"	"	"	"
"	"	"	18:10	59° 24.10	52° 23.29	10.1	118.7	3465	- " -	"	- " -	- " -	- " -	- " -	Brodschell	"
"	"	"	18:33	59° 26.42	52° 16.32	10.4	118.0	3443	- " -	"	- " -	- " -	- " -	- " -	- " -	- " -
"	"	"	18:46	59° 29.49	52° 12.44	10.4	117.8	3407	3281 - 3656	"	- " -	0.13	"	"	"	"
"	"	"	19:15	59° 30.15	52° 03.42	10.2	117.8	3302	3188 - 3563	"	"	0.25	"	"	STEFFEN	"
"	"	"	19:41	59° 32.62	51° 56.21	10.7	118.1	3216	3094 - 3469	"	- " -	0.38	"	"	Brodschell	"
"	"	"	20:25	59° 36.71	51° 43.65	10.2	118.6	3107	2813 - 3188	3	KP	0.25	"	"	STEFFEN	"
"	"	"	20:56	59° 39.18	51° 34.24	10.8	117.7	2919	- " -	3	2900	0.25	"	"	Brodschell	"



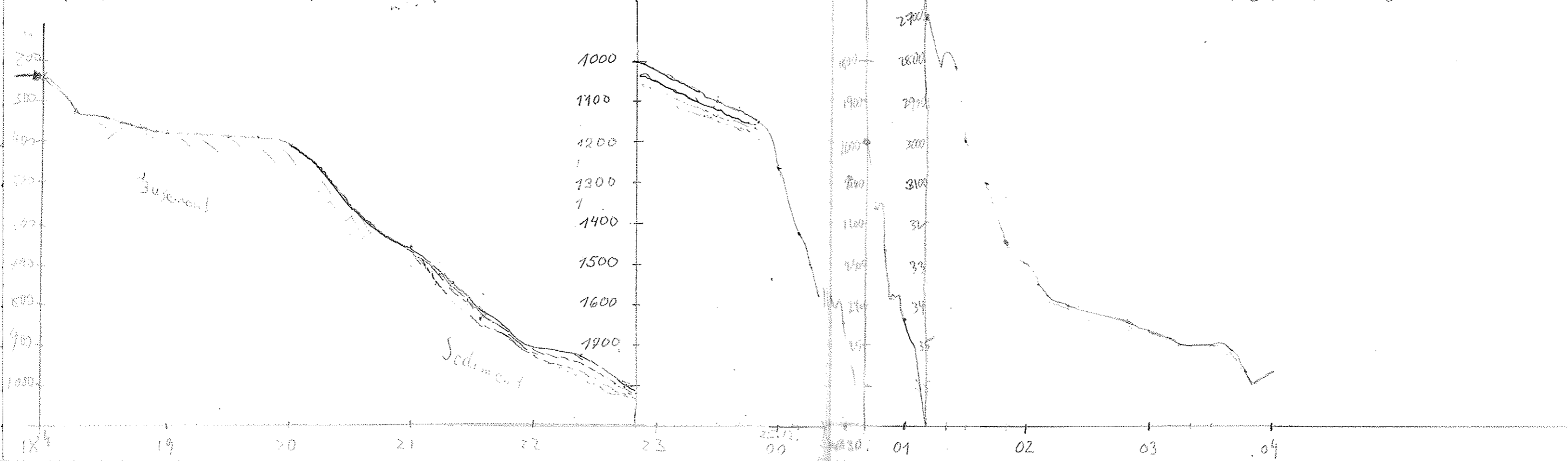
Rolle Nr.	Profil Nr.	Datum	Zeit GMT	Latitude S	Longitude W	Speed kts	Wassertiefe	Wassertiefenbereich von - bis	Sweep	Trigger-Folge	delay	sec/ Sweep	pulse length	Protokollant	Bemerkung	
1	12/240	23.12.87	20:56	59° 39.11	51° 34.24	10.8	117.8	2919	2813 - 3188	3	K-P	0.25	1/2	1	Brookford	
1	12/240	23.12.87	21:32	59° 42:35	51° 23:28	10.7	118.3	2816	2531 - 2906	2	K-P	0.13	1/2	1	Hersfeld	
1	12/240	23.12.87	22:38													Ende Rolle 1
2	12/240	23.12.87	22:45	58° 42:07	51° 01:74	10.5	117	2705	2531 - 2906	2	K-P	0.13	1/2	1	Hersfeld	Aufang Rolle 2
2	12/240	23.12.87	23:16	58° 50:67	50° 52:37	10.8	117.1	3061	3000 - 3395	2	K-P	.00	1/2	1	Hersfeld	
2	12/240	23.12.87	23:26	58° 54:49	50° 48:47	10.6	117.8	3460	3375 - 3750	2	K-P	.00	1/2	1	Hersfeld	
2	12/240	23.12.87	23:50	58° 53:32	50° 41:27	10.4	118.3	3727	3650 - 4031	3	K-P	.13	1/2	1	Hersfeld	
2	12/240	24.12.87	01:05	59° 59:27	50° 18:49	10.5	118.0	3527	3281 - 3656	2	K-P	.13	1/2	1	MACEDO	
2	12/240	24.12.87	01:08	59° 58:53	50° 19:50	10.4	118.3		2906 - 3281	3	K-P	.13	1/2	1	Hersfeld	
2	12/240	24.12.87	01:14	60° 00:03	50° 15:60	10.4	118.4	2877	2625 - 3000	2	K-P	.00	1/2	1	MACEDO	01:12-01:43 INCORRECT RANGES NBS TOCHERANZEIGE
2	12/240	24.12.87	01:29	60° 01:24	50° 10:91	10.6	118.9	2962	2813 - 3188	3	K-P	.25	1/2	1	MACEDO	
2	12/240	24.12.87	01:54	60° 03:37	50° 03:28	10.2	120.0	2825	2625 - 3000	2	K-P	.00	1/2	1	MACEDO	
2	12/240	24.12.87	02:11	60° 05:17	50° 02:04	10.4	120.3	2968	2813 - 3188	3	K-P	.25	1/2	1	MACEDO	
2	12/240	24.12.87	02:17	60° 05:69	50° 00:47	10.7	119.9	2750	2625 - 3000	2	K-P	.00	1/2	1	MACEDO	
2	12/240	24.12.87	02:22	60° 06:27	49° 59:24	10.5	116.2	2600	2438 - 2813	2	K-P	.25	1/2	1	MACEDO	
2	12/240	24.12.87	02:27	60° 06:75	49° 57:59	10.4	119.3	2446	2250 - 2625	5	KPKP	.00	1/2	1	MACEDO	complete
2	12/240	24.12.87	02:30					2200	1875 - 2250						Grubard	PEN CHANGE
2	12/240	24.12.87	02:34	60° 07:26	49° 55:86	10.4	116.7	2200	1875 - 2250	2	K-P	.00	1/2	1	MACEDO	
2	12/240	24.12.87	02:38	60° 07:60	49° 54:72	10.3	116.8	1922	1500 - 1875	5	KPK-P	.00	1/2	1	MACEDO	
2	12/240	24.12.87	02:44	60° 08:11	49° 52:96	10.6	116.4	1470	1219 - 1594	5	KPK-P	.00	1/2	1	MACEDO	
2	12/240	24.12.87	02:52	60° 08:74	49° 50:80	10.5	116.4	1230	1031 - 1406	2	K-P	.13	1/2	1	MACEDO	
2	12/240	24.12.87	03:06	60° 09:50	49° 47:16	10.2	116.3	1019	656 - 1031	3	K-P	.13	1/2	1	MACEDO	
2	12/240	24.12.87	03:15					< 1700 THEN 0000! >								
2	12/240	24.12.87	03:17	60° 10:56	49° 42:83	10.6	115.6	856	(3.5 kHz distance) 656 - 1031	3	K-P	.13	1/2	1	MACEDO	(BRIDGE CHANGED RANGE ON THE ECHOSOUNDER)
2	12/240	24.12.87	03:19						656 - 1031	3	K-P	.13	1/2	1	MACEDO	
2	12/240	24.12.87	03:52	60° 13:34	49° 32:28	10.6	115.0	1035	844 - 1219	2	K-P	.38	1/2	1	MACEDO	
2	12/240	24.12.87	03:57	60° 13:72	49° 30:90	10.5	115.4	1344	1219 - 1594	5	KPK-P	.38	1/2	1	MACEDO	



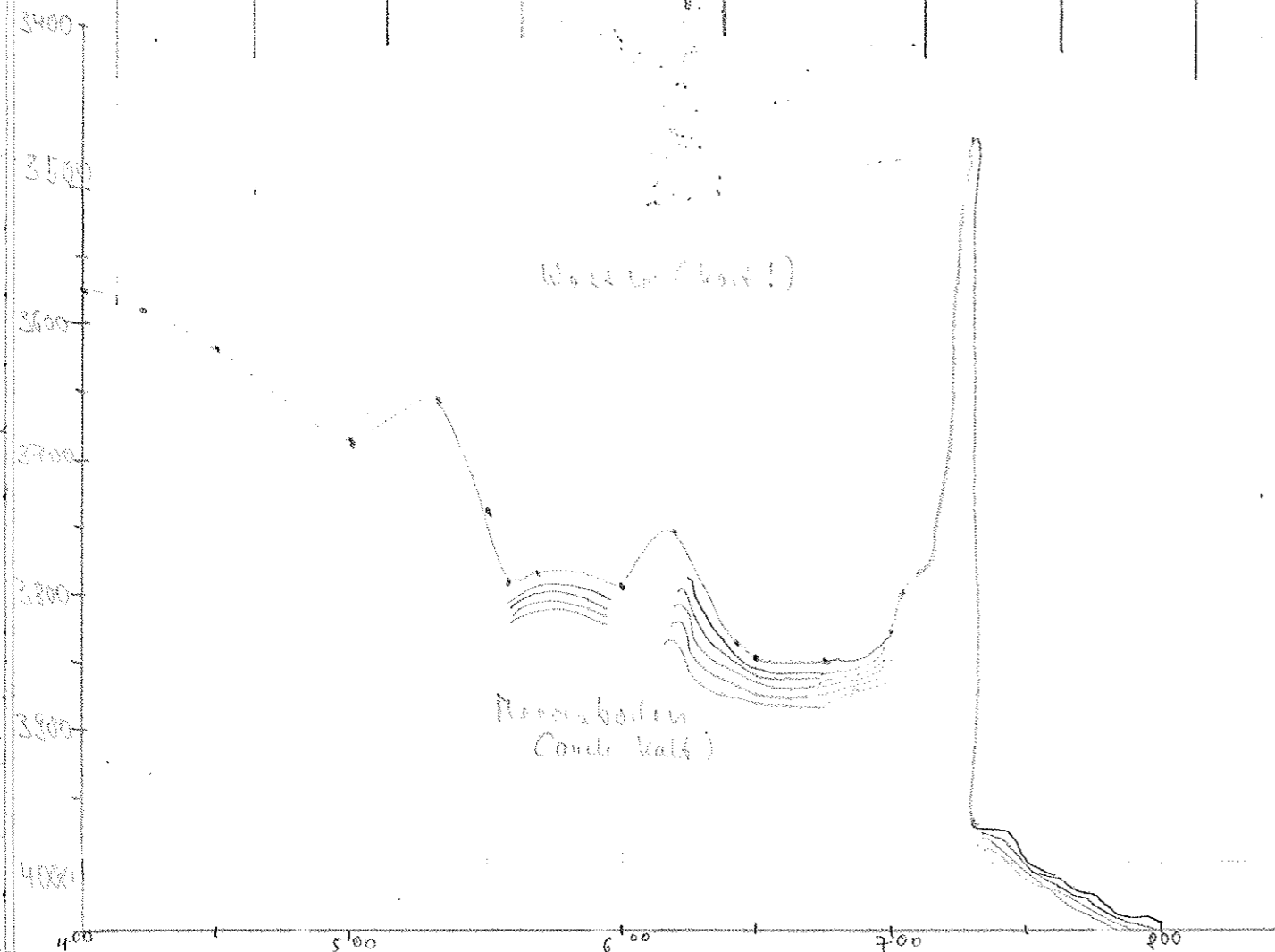
Roll Nr.	Profil Nr.	Datum	Zeit GMT	Latitude S	Longitude W	Speed	Kurs	Wassertiefe	Wärmetiefenbereich von - bis	Swaps	Trigger-Folge	delay	Sec Swaps	pulse length	Protokollart	Bemerkungen
2	12/240	24.12.87	4:05	60° 14.34	49° 28.53	10.4	115.8	1219	844 - 1219	2	KP-----	.38	1/2	1	Macedo	
2	12/240	24.12.87	4:17	60° 15.29	49° 25.05	10.7	115.4	1233	1125 - 1500	2	KP-----	.00	1/2	1	Macedo	STANGE PRINTOUT STARTING ~4:20
2	12/240	24.12.87	4:23	60° 15.79	49° 23.21	10.7	116.1	1320	1219 - 1594	5	KPK-P--	.38	1/2	1	Macedo	
"	"	"	4:37	60° 16.38	49° 21.00	10.6	115.4	1583	1500 - 1875	5	KPK-P	.00	"	"	Nieel	Problem behoben
"	"	"	5:17	19.65	05.32	10.4	115.6	3638	3469 - 3844	3	KP-	.38	"	4	"	
"	"	"	5:58	22.69	48° 53.29	10.6	115.0	3300	3094 - 3469	2	KP	.38	"	"	"	
"	"	"	6:30	25.06	43.50	10.3	115.3	1981	1594 - 1969	2	KP	.38	"	1	"	
"	"	"	7:00	27.73	34.32	10.3	115.6	1606	"	2	KP	.38	"	"	"	
"	"	"	7:30	30.04	25.03	10.7	115.2	1768	"	"	"	"	"	"	"	
"	"	"	8:00	32.39	15.72	10.7	115.8	1912	"	"	"	"	"	"	Mohlman	
"	"	"	8:04					1965	1969 - 2344	5	KPKP	.38	"	"	"	
"	"	"	8:09	33.16	12.74	10.6	118.5	1983	1875 - 2250	2	KP	.00	"	"	"	
"	"	"	8:30	34.95	06.64	10.8	117.7	2063	"	"	"	"	"	"	"	Echolotanlage auf Null (8:20 - 8:33)
"	"	"	8:49	36.18	01.03	10.8	118.0	2297	2156 - 2531	5	KPKP	.13	"	"	"	
"	"	"	9:30	39.68	47° 48.15	10.0	118.0	2202	"	"	"	"	"	"	"	
"	"	"	9:34	40.03	46.87	10.7	118.2	2147	1969 - 2344	5	KPKP	.38	"	"	"	
"	"	"	9:53	41.49	41.53	10.2	117.2	1690	1406 - 1781	5	KPK-P	.13	"	"	"	
"	"	"	10:10	42.78	36.74	10.1	118.0	1407	1125 - 1500	2	KP	.00	"	"	"	
"	"	"	10:30	44.73	29.40	10.0	118.0	1570	1500 - 1875	5	KPK-P	.00	"	"	"	
"	"	"	11:06	47.27	20.72	10.2	118.0	1707	1500 - 1875	5	KPK-P	.00	"	"	"	
"	"	"	11:34	49.57	12.42	10.5	118.1	1494	1219 - 1594	5	KPK-P	.38	"	"	"	
"	"	"	11:49	50.72	8.24	10.3	118.2	1130	938 - 1313	2	KP	.25	"	"	"	
"	"	"	12:00	60° 52.71	47° 3	10.0	134.7	472	375 - 750	2	KP	.00	1/2	1	Hertzfeld	
"	"	"	12:50	60° 57.70	46° 43.31	12.4	117.1	385	281 - 656	2	KP	.13	1/2	1	"	
"	"	"	13:28	61° 02.23	46° 31.68	12.8	117.1	292	188 - 567	2	KP	.25	1/2	1	"	
"	"	"	14:52	61° 09.54	46° 04.02	12.3	113.1	294	188 - 563	2	KP	.25	1/2	1	"	
"	"	"	15:30	61° 13.06	45° 43.35	12.8	112.8	287	188 - 563	2	KP	.25	1/2	1	"	



Roller No	PROFIL-NR	DATUM	ZEIT GMT	LATITUDE S	LONGITUDE W	SPEED [km/h]	KURS	WASSERTIEFE [m]	WASSERTIEFENBEREICH [m]	SWEETS	TRIGGER-FOLGE	DELAY	SEC/CLBERS	PULSE/LEADON	PROTOKOLLANT	BEMERKUNGEN
2	12/240	24.12.87	15:30	61° 13:06	45° 49:35	12.8	117.8	287	188 - 563	2	KP - - - -	.25	1/2	1	Herrfeld	
2	12/240	24.12.87	16:01	61° 15:12	45° 38:57	4.6	108.3	344	" "	"	"	"	"	"	"	"
-11-	-11-	-11-	16:30	61° 16:49	45° 33:46	12.2	160.5	336	-11-	-11-	-11-	-11-	-11-	-11-	-11-	STERSCH
-11-	-11-	-11-	17:00	61° 22:41	45° 21:82	12.2	160.5	286	-11-	-11-	-11-	-11-	-11-	-11-	-11-	-11-
-11-	-11-	-11-	17:30	61° 26:47	45° 20:99	12.8	118.9	269	-11-	-11-	-11-	-11-	-11-	-11-	-11-	-11-
-11-	-11-	-11-	18:00	61° 29:11	45° 08:68	12.5	103.7	238	-11-	-11-	-11-	-11-	-11-	-11-	-11-	-11-
-11-	-11-	-11-	18:30	61° 31:54	44° 57:02	12.6	103.5	340	-11-	-11-	-11-	-11-	-11-	-11-	-11-	-11-
-11-	-11-	-11-	19:00	61° 32:23	44° 44:52	12.6	100.8	378	-11-	-11-	-11-	-11-	-11-	-11-	-11-	-11-
-11-	-11-	-11-	19:30	61° 34:22	44° 32:12	12.2	104.4	385	-11-	-11-	-11-	-11-	-11-	-11-	-11-	-11-
-11-	-11-	-11-	20:30	61° 36:20	44° 20:18	12.9	113.7	412	-11-	-11-	-11-	-11-	-11-	-11-	-11-	-11-
-11-	12/241	-11-	20:15	61° 38:86	44° 13:67	12.6	160.6	464	-11-	-11-	-11-	-11-	-11-	-11-	-11-	Brodsholt
-11-	12/241	-11-	20:21	61° 39:58	44° 13:16	12.6	160.5	476	375 - 750	-11-	-11-	0.00	-11-	-11-	-11-	Handwechsel
-11-	-11-	-11-	21:00	61° 47:72	44° 07:88	12.7	159.4	684	-11-	-11-	-11-	-11-	-11-	-11-	-11-	Seabeam an
-11-	-11-	-11-	21:13	61° 50:46	44° 05:75	12.8	156.9	727	656 - 1031	3	K-P	0.13	-11-	-11-	-11-	
-11-	-11-	-11-	21:36	61° 55:15	44° 01:84	12.7	-11-	839	-11-	-11-	-11-	-11-	-11-	-11-	-11-	
-11-	-11-	-11-	22:02	61° 59:39	43° 58:42	13.1	159.2	898	-11-	-11-	-11-	-11-	-11-	-11-	-11-	
-11-	-11-	-11-	22:38	62° 06:60	43° 53:06	12.9	159.3	977	938 - 1312	2	HP -11-	0.25	-11-	-11-	-11-	
-11-	-11-	-11-	23:19	62° 14:78	43° 47:74	12.7	159.6	1083	-11-	-11-	-11-	-11-	-11-	-11-	-11-	
-11-	-11-	-11-	23:48	62° 20:19	43° 44:40	12.8	158.4	1128	-11-	-11-	-11-	-11-	-11-	-11-	-11-	
2	12/241	25.12.87	00:04	62° 23:43	43° 42:32	12.9	154.9	1265	1219 - 1594	5	KPK-P -	.38	1/2	1	MACEDO	
2	12/241	25.12.87	00:16	62° 25:88	43° 39:93	12.7	157.4	1520	1500 - 1875	5	KPK-P -	.00	1/2	1	MACEDO	
2	12/241	25.12.87	00:36	62° 29:81	43° 36:63	12.8	162.8	1843	1875 - 2250	2	KP - - - -	.00	1/2	1	MACEDO	
2	12/241	25.12.87	00:46	62° 31:88	43° 35:23	12.6	167.0	2203	2156 - 2531	5	KPKP - -	.13	1/2	1	MACEDO	
2	12/241	25.12.87	01:06	62° 34:52	43° 35:26	4.8	156.5	2497	2438 - 2813	2	KP - - - -	.25	1/2	1	MACEDO	
2	12/241	25.12.87	01:22	62° 36:05	43° 33:83	7.7	157.3	2830	2813 - 3188	3	K-P - - -	.25	1/2	1	MACEDO	
2	12/241	25.12.87	01:30	62° 37:50	43° 32:29	9.2	149.7	3000					1/2	1	MACEDO	DIGITAL SONAR DISPLAY RANDOM + STR-CHART REC - NOT PRINTING
2	12/241	25.12.87	01:38	62° 38:60	43° 33:85	9.1	155.6	3100	3094 - 3469	2	KP - - - -	.38	1/2	1	MACEDO	
2	12/241	25.12.87	01:44					VARIOUS								GERHARD - CHECKING
2	12/241	25.12.87	01:46	62° 39:38	43° 32:97	8.1	154.9	3200	3094 - 3469	2	KP - - - -	.38	1/2	1	MACEDO	
2	12/241	25.12.87	02:20	62° 44:11	43° 27:65	9.1	150.2	3402	3375 - 3750	2	KP - - - -	.00	1/2	1	MACEDO	
2	12/241	25.12.87	02:50	62° 48:39	43° 23:21	9.0	158.6	3452	-11-	-11-	-11-	-11-	-11-	-11-	-11-	
2	12/241	25.12.87	03:19	62° 51:53	43° 20:24	6.1	159.5	3493	-11-	-11-	-11-	-11-	1/2	1	MACEDO	
2	12/241	25.12.87	03:41	62° 54:47	43° 16:89	7.0	161.7	3544	-11-	-11-	-11-	-11-	1/2	1	MACEDO	
2	12/241	25.12.87	03:50	62° 56:14	43° 15:32	8.1	160.2	3581	-11-	-11-	-11-	.00	1/2	1	Rehker	

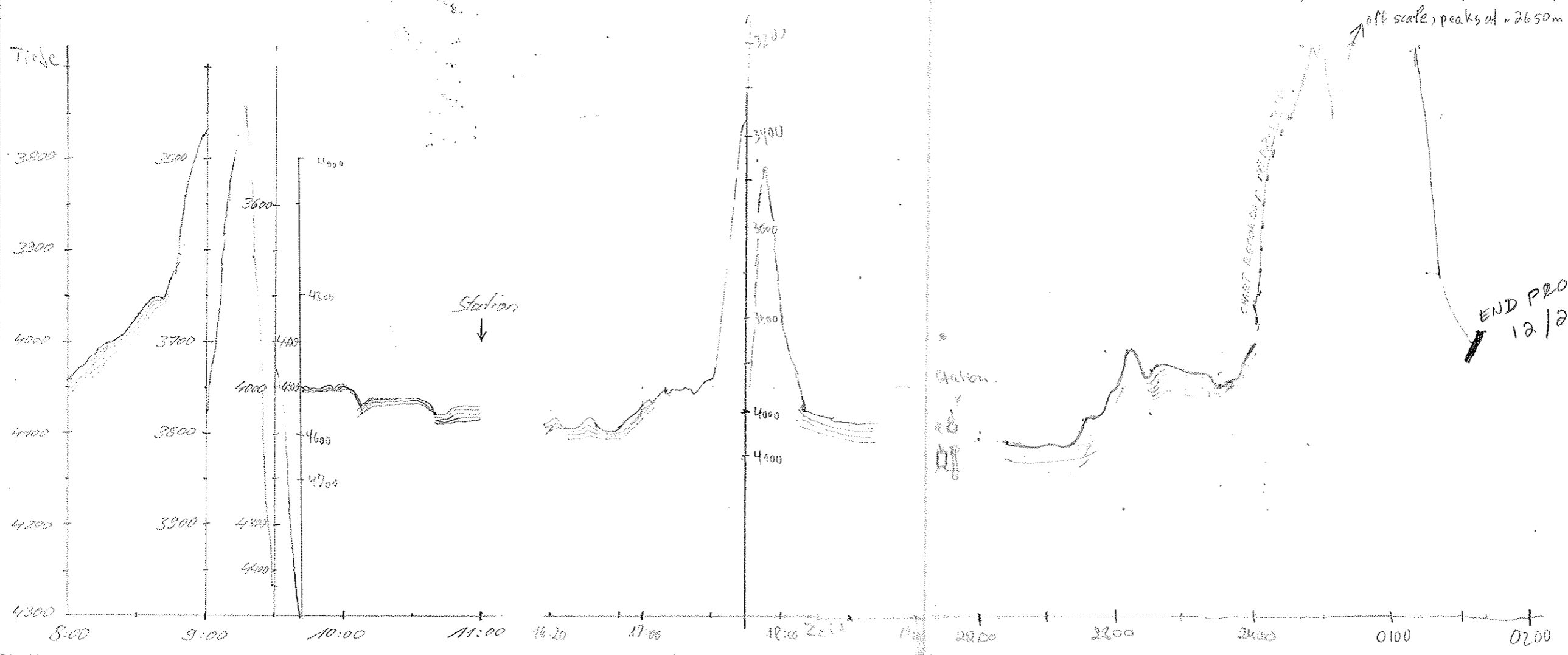


Roll-Nr.	Profil-Nr.	Datum	Zeit	Latitude	Longitude	Speed	Kurs	Wassertiefe [m]	Wassertiefen - bereich [m]	Sweep	Trigger-Folge	Delay	sec/ Sweep	Pulse length	Protokollant	Bemerkungen
2	10/241	25.12.87	4.00	62°56'18.2"	43°14'19.3"	7.3	160.7	3574	2375 - 2750	2	KP-----	.00	1/2	1	Rubcke	
2	"	"	4.12	62°52'12.1"	43°13'15.5"	6.7	162.4	2782	"	2	"	"	1/2	1	"	
2	"	"	4.20	62°55'19.8"	42°12'06.0"	7.8	161.6	2529	"	2	"	"	1/2	1	"	
2	"	"	4.30	63°00'14.0"	43°11'18.4"	8.2	162.8	2618	"	2	"	"	1/2	1	"	
2	"	"	4.40	63°01'18.0"	43°10'10.0"	8.1	161.6	2632	"	2	"	"	1/2	1	"	
2	"	"	4.50	63°02'45.0"	43°08'29.5"	8.0	162.6	2656	"	2	"	"	1/2	1	"	
2	"	"	4.53	63°02'43.0"	43°08'16.0"	7.2	162.2	2670	2468 - 2444	2	KP-----	.28	1/2	1	"	Bereich zerbröckelt auf (Kart!)
2	"	"	5.00	63°03'56.0"	43°07'38.8"	8.2	161.8	2682	2875 - 2750	2	KP-----	.00	1/2	1	"	
2	"	"	5.10	63°05'00.0"	43°06'41.1"	8.5	158	2713	"	2	"	"	1/2	1	"	
2	"	"	5.13	63°05'18.0"	43°06'10.3"	8.0	162.2	2705	2562 - 2528	2	KP-----	.25	1/2	1	"	Lauff nicht! (Food bot broken!)
2	"	"	5.16	63°05'30.0"	43°06'00.0"	8.5	161.8	2725	2375 - 2210	2	KP-----	.00	1/2	1	"	Eggt in the water!
2	"	"	5.20	63°06'44.0"	43°05'55.5"	8.8	162.8	2655	"	2	"	"	1/2	1	"	Chironomid as light
2	"	"	5.30	63°07'24.0"	43°04'46.0"	9.0	161.8	2735	"	2	"	"	1/2	1	"	erhöht, zerbröckelt (Food)
2	"	"	5.37	63°08'26.0"	43°03'55.0"	9.0	162.6	2751	"	2	"	"	1/2	1	"	frühzeitig wieder
2	"	"	5.40	63°08'18.0"	42°02'26.0"	8.4	166.0	2786	2562 - 2528	2	KP-----	.25	1/2	1	"	"
2	"	"	6.00	63°11'18.0"	43°00'27.0"	8.0	162.8	2784	"	2	"	"	1/2	1	"	"
2	"	"	6.10	63°13'38.0"	42°58'21.0"	8.8	163.8	2751	"	2	"	"	1/2	1	"	o. B.
2	"	"	6.25	63°15'51.0"	43°00'10.0"	9.1	163.5	2838	"	2	"	"	1/2	1	"	o. B.
2	"	"	6.45	63°17'42.0"	42°58'18.0"	9.5	160.3	2845	"	2	"	"	1/2	1	"	o. B.
2	"	"	7.00	63°19'08.0"	42°56'6.0"	9.5	160.5	2826	"	2	"	"	1/2	1	"	"
2	"	"	7.12	63°21'16.0"	42°55'36.0"	9.2	160.4	2462	2375 - 2210	2	KP-----	.00	1/2	1	"	Vergleichen mit folgende (Koppel: N. bedies)
2	"	"	7.16	63°21'30.0"	42°54'27.0"	9.1	160	2754	2210 - 0125	2	KP-----	.00	1/2	1	"	"
2	"	"	7.25	63°22'16.0"	42°52'02.0"	9.0	159.4	2888	"	2	"	"	1/2	1	"	"
2	"	"	7.40	63°24'18.0"	42°52'28.0"	8.4	161.4	4011	"	2	"	"	1/2	1	"	o. B.
2	"	"	7.50	63°26'18.0"	42°51'30.0"	8.1	158.1	4041	"	2	"	"	1/2	1	"	o. B.
2	"	"	8.00	63°27'18.0"	42°50'45.0"	8.0	163.8	4040	"	2	"	"	1/2	1	"	o. B.



Ende
J.M.

Rolle	Profil	Datum	Zeit	Latitude	Longitude	Speed	Kull	Wasser h _g [cm]	Wasser tiefe bereich [cm]	Swamp	Trigger-Folge	Delay	see map	Wahr. Lage	Aufsicht. bearbeiter	Bemerkungen
2	12/241	25-12-87	8:30	-63° 30.08	-42° 47.96	6.0	138.4	3965	3750 - 4135	3	KP-	.00	1/2	1	Fried	
"	"	"	8:58	33.17	45.42	9.4	169.6	3775	3469 - 3844	"	"	.38	"	"	"	
"	"	"	9:14	35.05	43.40	7.5	134.0	3467	3488 - 3563	2	KP	.25	"	"	"	
"	"	"	9:21	35.90	42.69	9.1	165.4	3610	3469 - 3844	3	KP-	.38	"	"	"	
"	"	"	9:28	36.97	41.93	9.4	164.6	3966	3844 - 4219	2	KP	.38	"	"	"	
"	"	"	9:35	37.87	41.35	9.5	163.8	4242	4125 - 4500	"	"	.00	"	"	"	
"	"	"	9:42	38.82	40.69	8.7	164.3	4505	4406 - 4781	7	KP-K-P-	.13	"	"	Card	
"	"	"	10:12	42.89	37.32	8.2	163.8	4537	4406 - 4781	"	"	"	"	"	"	
"	"	"	10:40	46.02	35.48	5.8	166.8	4568	"	"	"	"	"	"	"	
"	"	"	11:00	47.72	33.94	4.7	140.5	4837	"	"	"	"	"	"	Fried	Ende Profil, Station 12/242
2	12/243	25.12.87	16:48	63° 46.87	42° 27.92	8.5	342.5	4576	4406 - 4781	"	KP-K-P-	.13	1/2	1	Lofno	Profil-Beginn
"	"	"	17:00	41.84	34.85	8.9	329.0	4541	"	"	"	"	"	"	"	
"	"	"	17:38	36.20	40.69	12.1	325.8	3777	3469 - 3844	3	KP	.38	"	"	"	
"	"	"	17:53	33.47	43.63	12.1	329.3	3624	3575 - 3750	2	KP	.00	"	"	"	
"	"	"	17:59	32.58	44.44	9.8	177.7	3789	3563 - 3938	2	KP	.25	"	"	"	
"	"	"	18:40	27.18	50.57	10.5	349.2	4040	3844 - 4219	2	KP	.38	"	"	"	
"	"	"	18:42	26.95	50.88	6.7	320.5	4043	"	"	"	"	"	"	"	Profil-Ende Station
2	12/245	"	22:18	63° 27:40	42° 48:38	5.2	272.6	4057	"	"	"	"	"	"	Herfeld	Profil-Aufang
2	"	"	22:45	63° 27:50	42° 55:54	6.8	272.8	4083	"	"	"	"	"	"	"	
2	"	"	23:15	63° 27:64	43° 04:30	7.8	270.2	3932	"	"	"	"	"	"	"	
2	"	"	23:45	63° 27:35	43° 12:64	6.1	265.8	3946	"	"	"	"	"	"	"	
2	"	"	23:52	63° 27:20	43° 16:42	7.0	273.8	3887	3563 - 3938	3	KP	.25	"	"	"	
2	12/245	26-12-87	00:19	63° 27:02	43° 26:70	8.3	276.7	3832	3094 - 3469	2	KP	.38	1/2	1	MACEDO	
2	12/245	26-12-87	00:45	63° 27:02	43° 26:70	8.3	276.7	3832	"	"	"	"	1/2	1	MACEDO	
2	12/245	26-11-87	00:19	63° 27:02	43° 28:00	8.3	266.5	3000	2813 - 3188	3	K-P	.25	1/2	1	MACEDO	
2	12/245	26-12-87	00:55	63° 27:12	43° 29:93	8.7	269.9	2799	2438 - 2813	2	KP	.25	1/2	1	MACEDO	



Rolle	Profil	Datum	GMT Zeit	Latitude	Longitude	Speed	Kurs	(m) Wassertiefe	(m) Wassertiefenbereich	sweeps	trigger-folge	delay	sec/ sweep	pulse aufwands l. beamter	Bemerkungen
2	12/245	26.12.87	01:07	63° 27.04	43° 33.30	8.6	272.4	300.9	2906 - 3281	3	K-P	.13	1/2	1	Macedo
2	12/245	26.12.87	01:11	63° 27.13	43° 34.59	9.0	270	330.6	3281 - 3656	2	K-P	.13	1/2	1	Macedo
2	12/245	26.12.87	01:15	63° 27.15	43° 35.88	8.7	269.7	372.2	3750 - 4125	3	K-P	.00	1/2	1	Macedo
2	12/245	26.12.87	01:45	63° 26.81	43° 45.58	8.2	271.1	384.6	- " -	- " -	- " -	- " -	- " -	- " -	Macedo
2	12/245	26.12.87	01:48	END OF THIS PROFILE											
CHANGING ROLL															
3	12/246	26.12.87	02:21	63° 23.57	43° 38.17	9.2	50.5	384.2	- " -	- " -	- " -	- " -	- " -	- " -	Macedo
3	12/246	26.12.87	03:07	63° 18.81	43° 25.04	8.5	48.0	384.9	- " -	- " -	- " -	- " -	- " -	- " -	Macedo
3	12/246	26.12.87	03:33	63° 16.42	43° 18.35	9.5	46.3	384.7	- " -	- " -	- " -	- " -	- " -	- " -	Macedo
3	12/246	26.12.87	03:59	63° 13.81	43° 11.66	8.1	48.9	383.7	- " -	- " -	- " -	- " -	- " -	- " -	Macedo
"	"	"	4:30	11.77	4.35	4.4	52.3	378.6	3469 - 3844	"	K-P	.38	"	"	Fred
"	"	"	4:39	10.87	3.36	1.6	26.7	377.6	3656 - 4037	"	"	.73	"	"	"
3	12/247a	26.12.87	10:08	63° 11.98	42° 59.13	3.1	294.8	370.7	3469 - 3844	3	K-P	.38	"	"	Lothar
"	"	"	10:30	08.87	43° 01.64	12.6	316.7	377.4	"	"	"	"	"	"	"
"	"	"	11:00	03.82	08.92	12.8	345.4	368.0	"	"	"	"	"	"	"
"	"	"	11:35	62° 58.78	13.87	8.5	335.1	356.6	"	"	"	"	"	"	"
"	"	"	12:00	55.13	16.89	10.4	349.0	357.6	"	"	"	"	"	"	"
"	"	"	12:24	62° 51.55	43° 19.93	8.5	347.5	357.5	- " -	- " -	- " -	- " -	- " -	- " -	Broderick
"	"	"	12:30	62° 51.72	43° 19.99	0.0	290.7	349.1	"	"	"	"	"	"	"
- " -	12/248	26.12.87	15:30	62° 51.60	43° 19.56	0.3	254.0	350.4	3469 - 3844	3	K-P	.38	1/2	7	"
"	"	"	15:41	62° 50.74	43° 20.35	9.3	345.7	348.5	3188 - 3563	2	K-P	.25	"	"	"
"	"	"	16:13	62° 46.48	43° 23.59	8.3	378.5	378.4	- " -	- " -	- " -	- " -	- " -	- " -	"
- " -	"	26.12.87	16:56	62° 40.55	43° 28.12	8.1	337.8	321.0	2813 - 3188	3	K-P	.25	"	"	Andresen
- " -	"	"	17:43	62° 35.62	43° 33.69	12.3	341.4	283.9	2438 - 2813	2	K-P	.25	"	"	"
- " -	"	"	17:55	62° 33.33	43° 35.43	12.5	339.5	243.0	2344 - 2719	2	- " -	.38	"	"	Schäfer
- " -	"	"	17:58	62° 32.66	43° 35.95	12.7	339.6	231.1	2063 - 2438	2	K-P	.25	"	"	"
"	"	"	18:08	62° 30.77	43° 37.46	12.4	338.8	204.3	1688 - 2063	2	K-P	.25	"	"	Andresen
"	"	"	18:17	62° 29.03	43° 38.83	12.5	340.4	167.4	1313 - 1688	5	K-P	.25	"	"	"

} very rapid drop-off

ROLL CHANGE

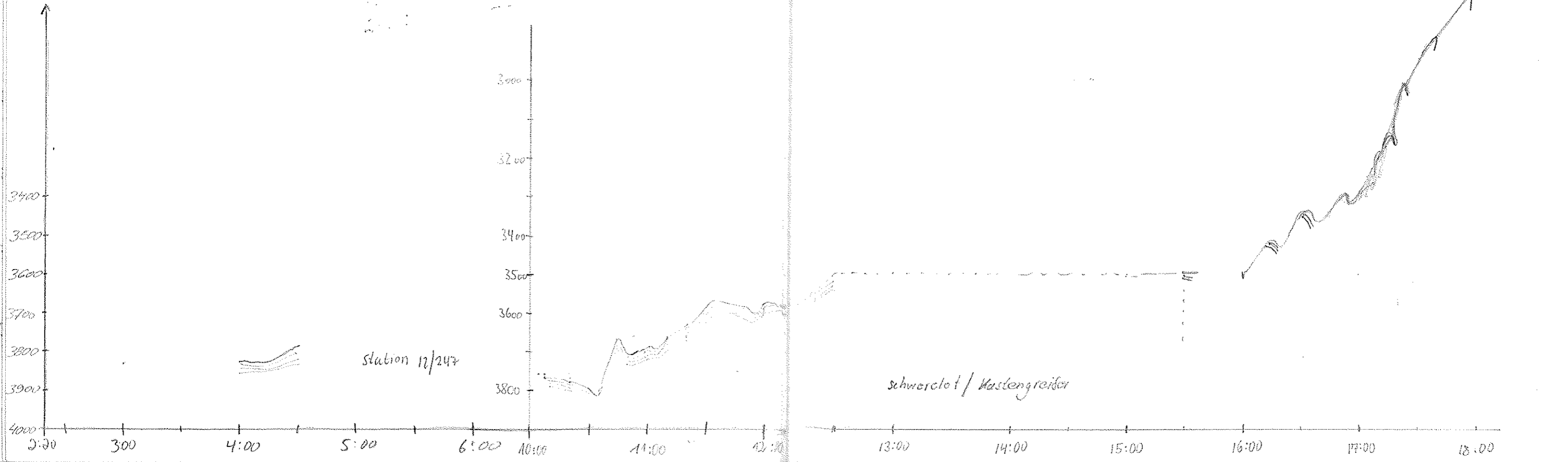
Ende Profil 12/247 4:38
Station 12/247 6:07

Profil 12/247b 10:00
10:40 - 10:55 Pulse Length 4ms
ab 11:28 Pulse Lgh 4ms

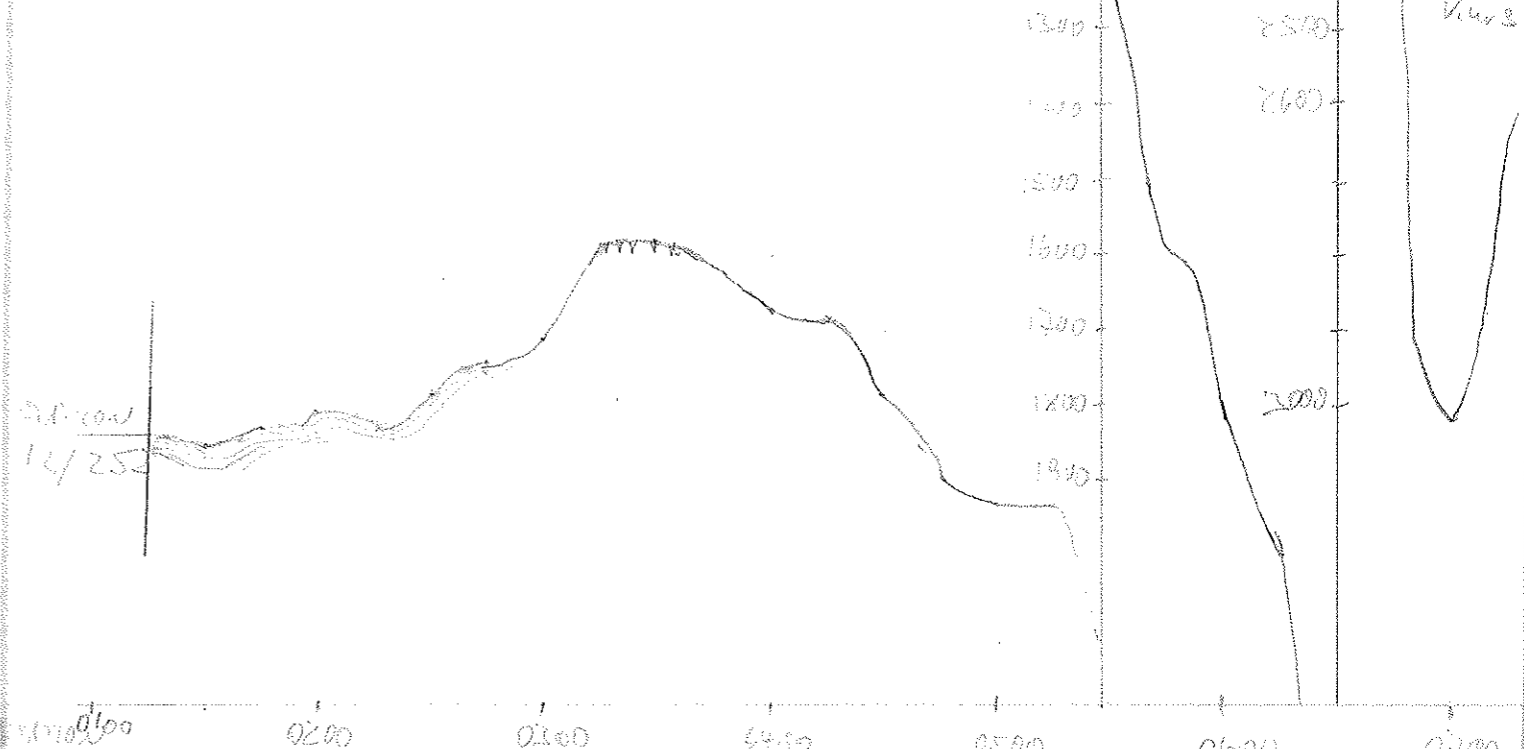
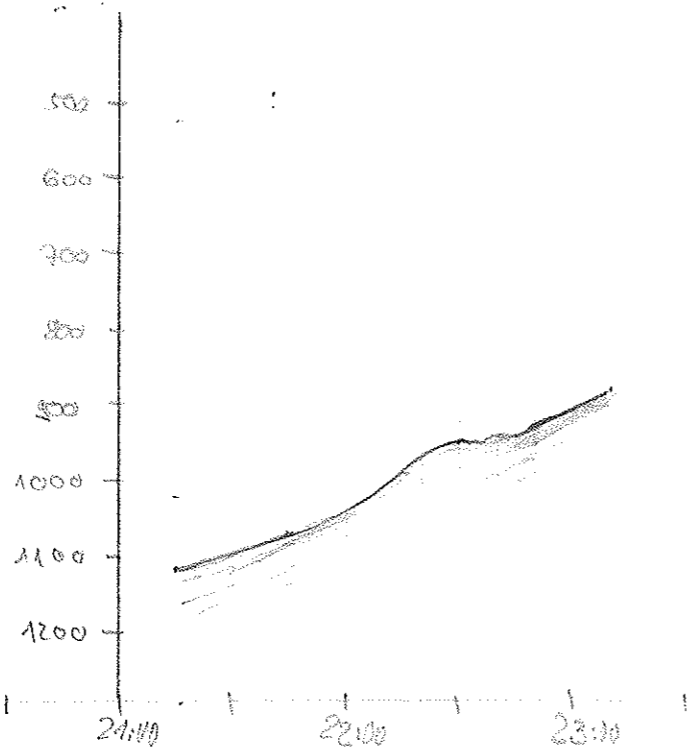
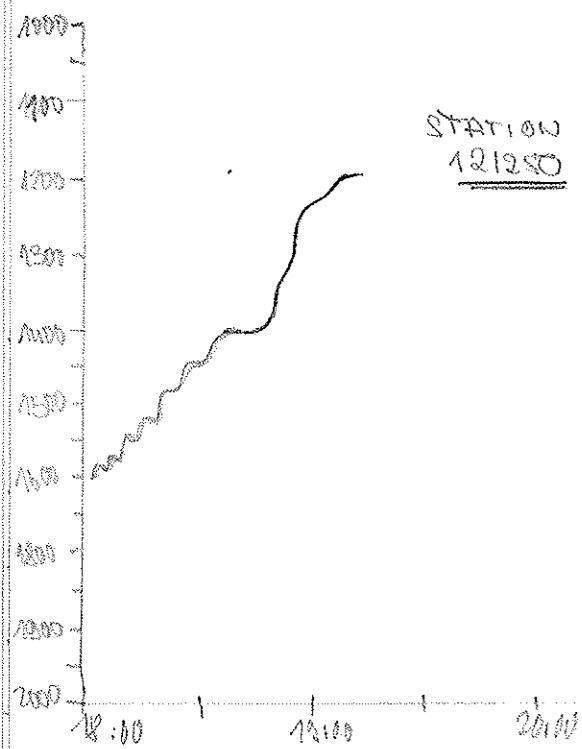
Station 12/248

Profil 12/248

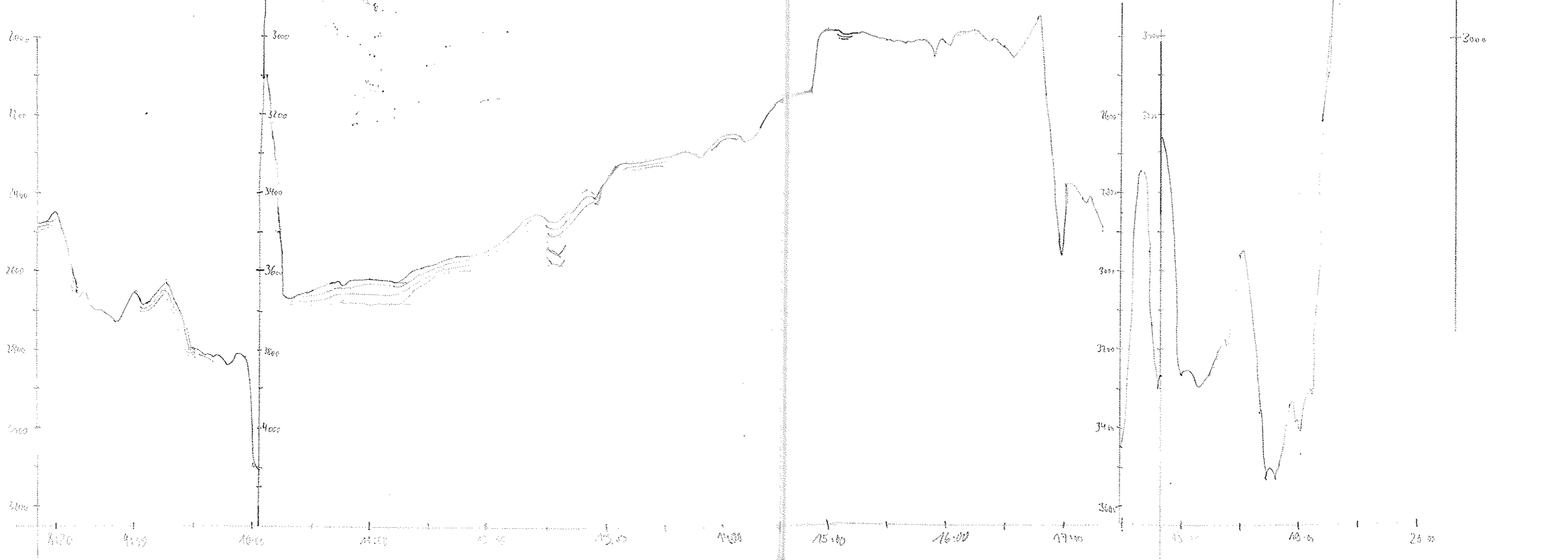
Profil 12/249



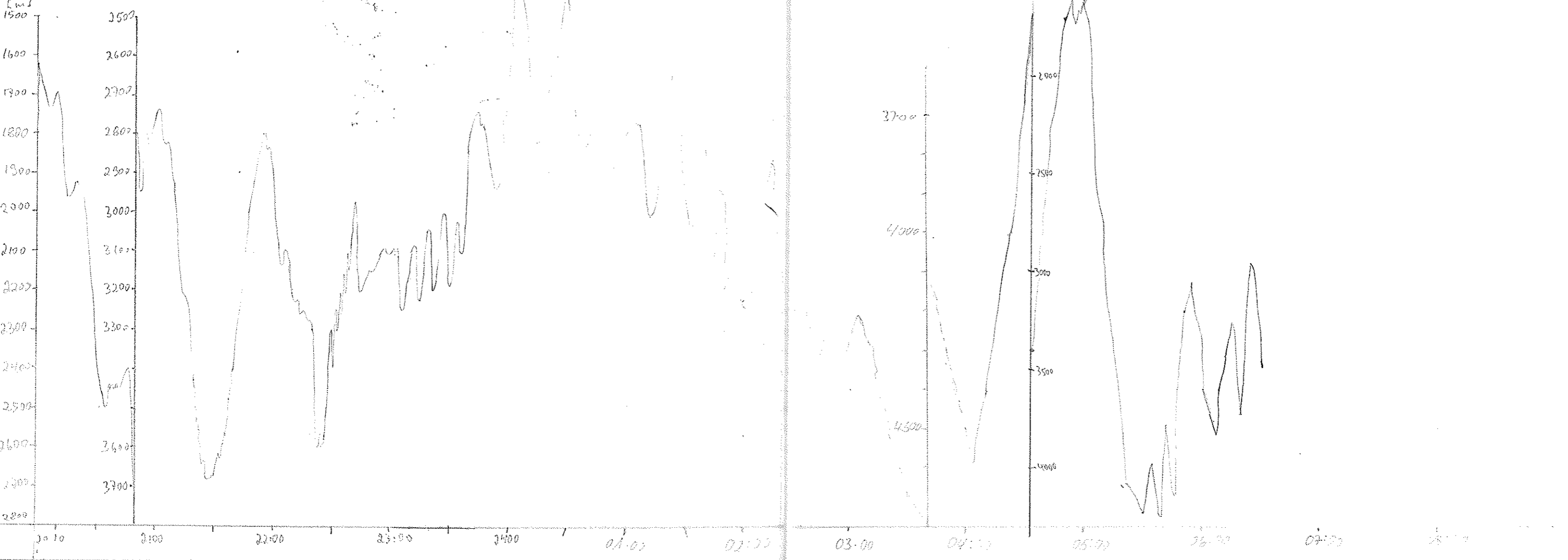
Rolle	Profil	Datum	Zeit	Latitude	Longitude	Speed	Knvs	Wasser-Tiefe(m)	Tiefenbereich	Sweeps	Triggerfolge	Delay	sec/Sweep	Puls Länge	Aufsicht	Bemerkung	
3	12/249	26.12.87	18.47	62° 23.16	43° 43.09	12.3	344.2	1302	938 - 1313	2	KP----	.25	1/2	1	Andreas		
3	12/251	26.12.87	21.11	62° 19.01	43° 48.48	6.3	344.0	1131	" "	"	"	"	"	"	Herfeld	19.14 Profifahrt beendet	
3	12/251	"	21.43	62° 19.71	43° 50.22	12.7	342.2	1075	" "	"	"	"	"	"	"	Profifahrt 12/251	
3	"	"	22.16	62° 05.34	43° 54.29	12.7	343.0	1004	656 - 1031	3	K-P----	.13	1/2	1	"		
3	"	"	22.50	62° 08.87	44° 08.33	12.7	342.2	819	"	"	"	"	"	"	"		
3	"	"	23.03	61° 56.81	44° 00.57	0.9	202.4	870	"	"	"	"	"	"	"	Profifahrt 12/251	
-11-	12/253	27.12.87	01.15	61° 56.79	43° 52.92	5.9	095.0	927	-11-	-11-	-11-	-11-	-11-	-11-	STEW	Profifahrt 12/253	
-11-	-11-	-11-	02.00	61° 57.57	43° 34.07	12.6	096.0	909	-11-	-11-	-11-	-11-	-11-	-11-	-11-	-11-	
-11-	-11-	-11-	02.30	61° 57.28	43° 22.37	12.7	096.7	881	-11-	-11-	-11-	-11-	-11-	-11-	-11-	-11-	
-11-	-11-	-11-	03.00	61° 58.04	43° 09.06	12.3	076.0	806	-11-	-11-	-11-	-11-	-11-	-11-	-11-	-11-	
-11-	-11-	-11-	03.50	61° 57.39	42° 56.02	12.3	098.2	888	-11-	-11-	-11-	-11-	-11-	-11-	-11-	-11-	
-11-	-11-	-11-	04.00	61° 58.65	42° 42.82	12.8	095.5	774	-11-	-11-	-11-	-11-	-11-	-11-	-11-	-11-	
-11-	-11-	-11-	04.30	61° 59.31	42° 29.48	12.8	095.3	879	-11-	-11-	-11-	-11-	-11-	-11-	-11-	-11-	
-11-	-11-	-11-	04.40	61° 59.52	42° 25.03	12.7	095.4	1012	844-1219	2	K-P----	.38	-11-	-11-	-11-		
-11-	-11-	-11-	05.00	61° 59.32	42° 17.07	12.4	096.0	1036	-11-	-11-	-11-	-11-	-11-	-11-	-11-	-11-	
-11-	-11-	-11-	05.10	61° 59.57	42° 12.43	12.3	097.4	906	656-1031	3	K-P----	.13	-11-	-11-	-11-	-11-	
-11-	-11-	-11-	05.15	61° 59.60	42° 10.43	12.9	099.3	1054	844-1219	2	K-P----	.38	-11-	-11-	-11-	-11-	
-11-	-11-	-11-	05.23	62° 00.05	42° 06.90	12.3	095.3	1205	1125-1500	2	K-P----	.00	-11-	-11-	-11-	-11-	
-11-	-11-	-11-	05.38	62° 00.34	42° 00.14	12.8	097.2	1501	1406-1781	5	KPK-P-	.13	-11-	-11-	-11-	-11-	
-11-	-11-	-11-	05.59	62° 00.60	41° 51.28	12.5	095.7	1812	1688-2063	2	K-P----	.25	-11-	-11-	-11-	-11-	
-11-	-11-	-11-	06.16	62° 01.14	41° 44.42	12.5	095.5	2034	1969-2344	5	KPKA-	.38	-11-	-11-	-11-	-11-	
-11-	-11-	-11-	06.27	62° 01.45	41° 39.15	12.8	100.2	2306	2250-2625	4	-11-	.00	-11-	-11-	-11-	-11-	
-11-	-11-	-11-	06.52	62° 01.96	41° 28.87	12.9	079.6	2631	2438-2813	2	K-P----	.25	-11-	-11-	-11-	-11-	
-11-	-11-	-11-	06.58	62° 01.81	41° 26.16	12.8	075.7	2810	2719-3094	3	K-P----	.38	-11-	-11-	-11-	-11-	
-11-	12/254	-11-	07.04	62° 01.40	41° 23.82	12.4	072.3	3096	3000-3375	4	-11-	.00	-11-	-11-	-11-	-11-	



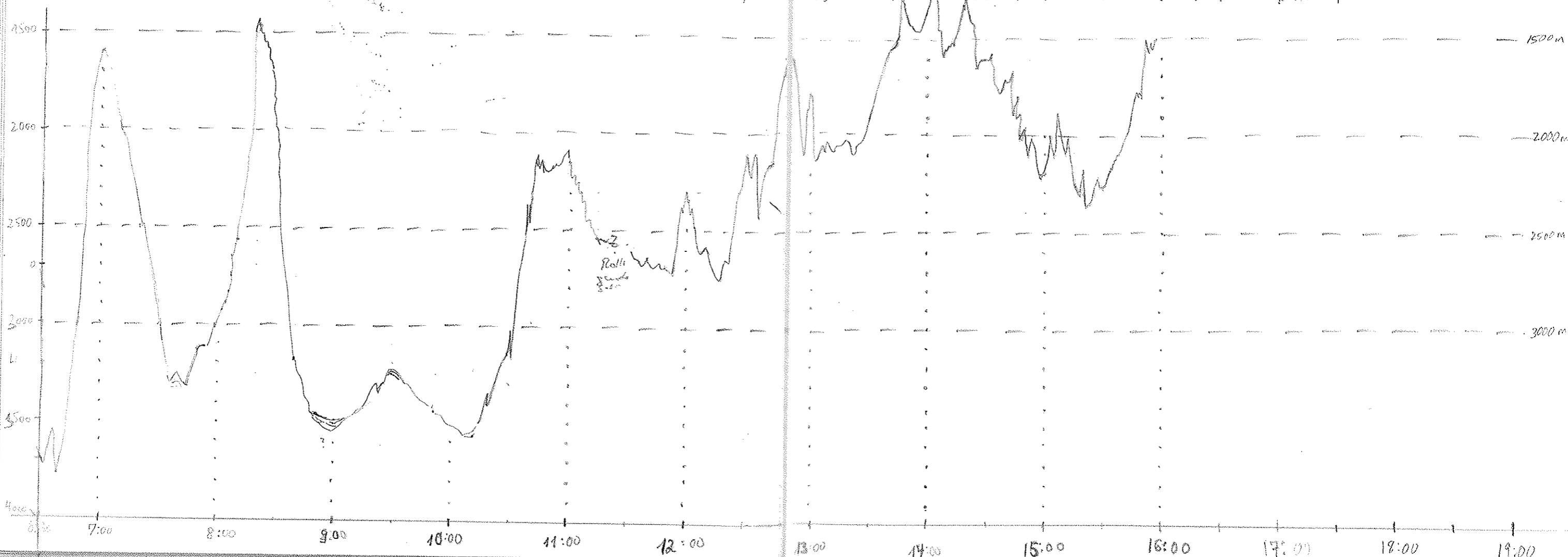
Route	Profil	Datum	Zeit	Latitude	Longitude W	Speed	Kurs	Wassertiefe (m)	Tiefenbereich	Sweeps	Triggefolge	Delay	sec/Sweep	Pulslage	Aufsicht	Bemerkung
3	12. D 54	27. 12. 87	8:04	62° 00.57	41° 30.63	5.7	252.5	2437	2344 - 2719	2	KP	.38	1/2	1	Lothar	
3	"	"	8:16	61° 59.60	41° 29.12	12.3	272.7	2488	"	"	"	"	"	"	"	Fortschreibung Profelfeld
"	"	"	8:40	61° 55.79	28.35	8.3	234.5	2702	2625 - 3000	"	"	.00	"	"	"	wechselnde Kurse
"	"	"	9:00	53.59	28.68	11.6	25.9	2671	"	"	"	"	"	"	"	"
"	"	"	9:15	51.29	26.55	11.5	260.1	2647	2531 - 2906	"	"	.13	"	"	"	Sondensuche
"	"	"	9:56	49.56	10.16	12.7	260.2	2922	2843 - 3188	3	K-P-	.25	"	"	"	1800
"	"	"	10:09	48.27	05.11	12.9	275.8	3266	3000 - 3375	3	K-P-	.00	"	"	"	"
"	"	"	11:05	44.48	40° 39.87	13.4	271.9	3640	3375 - 3750	2	KP-	.00	"	"	"	"
3	12/254	27.12.87	12:30	61° 41.59	40° 03.35	9.9	111.5	3532	3375 - 3750	2	KP-----	.00	1/2	1	Andreasen	Sondensuche
"	"	"	12:58	61° 41.52	39° 56.52	11.7	93.3	3399	3188 - 3563	2	KP-----	.25	"	"	"	"
"	"	"	13:50	61° 40.54	39° 36.14	10.1	75.0	3237	2906 - 3281	3	K-P-----	.13	"	"	"	2000
"	"	"	13:58	61° 40.05	39° 32.32	12.6	67.2	3243	2188 - 3563	2	KP-----	.25	"	"	"	"
"	"	"	14:14	61° 39.87	39° 26.76	12.0	96.8	3123	2806 - 3281	3	K-P-----	.13	"	"	"	"
"	"	"	14:42	61° 41.10	32° 17.56	8.2	35.4	2836	2719 - 3084	3	K-P-----	.38	"	"	"	2200
"	"	"	15:33	61° 34.24	39° 20.18	10.7	337.8	3010	2813 - 3188	3	K-P-----	.25	"	"	"	"
"	"	"	16:01	61° 29.87	39° 14.74	8.8	41.5	3039	"	"	"	"	"	"	"	"
"	"	"	16:30	61° 25.22	39° 10.22	11.1	8.2	3056	"	"	"	"	"	"	"	"
"	"	"	16:42	61° 21.69	39° 09.09	12.8	48.4	2850	2719 - 3094	3	K-P-----	0.38	"	"	"	2400
"	"	"	16:56	61° 27.87	39° 04.78	13.5	51.2	3560	3281 - 3656	2	KP	0.13	"	"	"	"
"	"	"	17:30	61° 24.45	38° 49.61	13.5	30.0	3452	"	"	"	0.13	"	"	"	"
"	"	"	18:05	61° 24.83	38° 35.73	12.2	83.7	3870	3750 - 4125	2	KP-----	0.00	"	"	"	"
"	"	"	18:30	61° 21.06	38° 21.45	12.5	51.2	3560	3469 - 3844	3	KP	0.38	"	"	"	"
"	"	"	19:00	61° 20.96	38° 07.18	13.2	88.3	4020	3644 - 4218	2	KP	0.38	"	"	"	"
"	"	"	19:30	61° 21.65	29° 52.96	12.1	30.0	2045	1969 - 2344	5	KP/P	0.38	"	"	"	2600



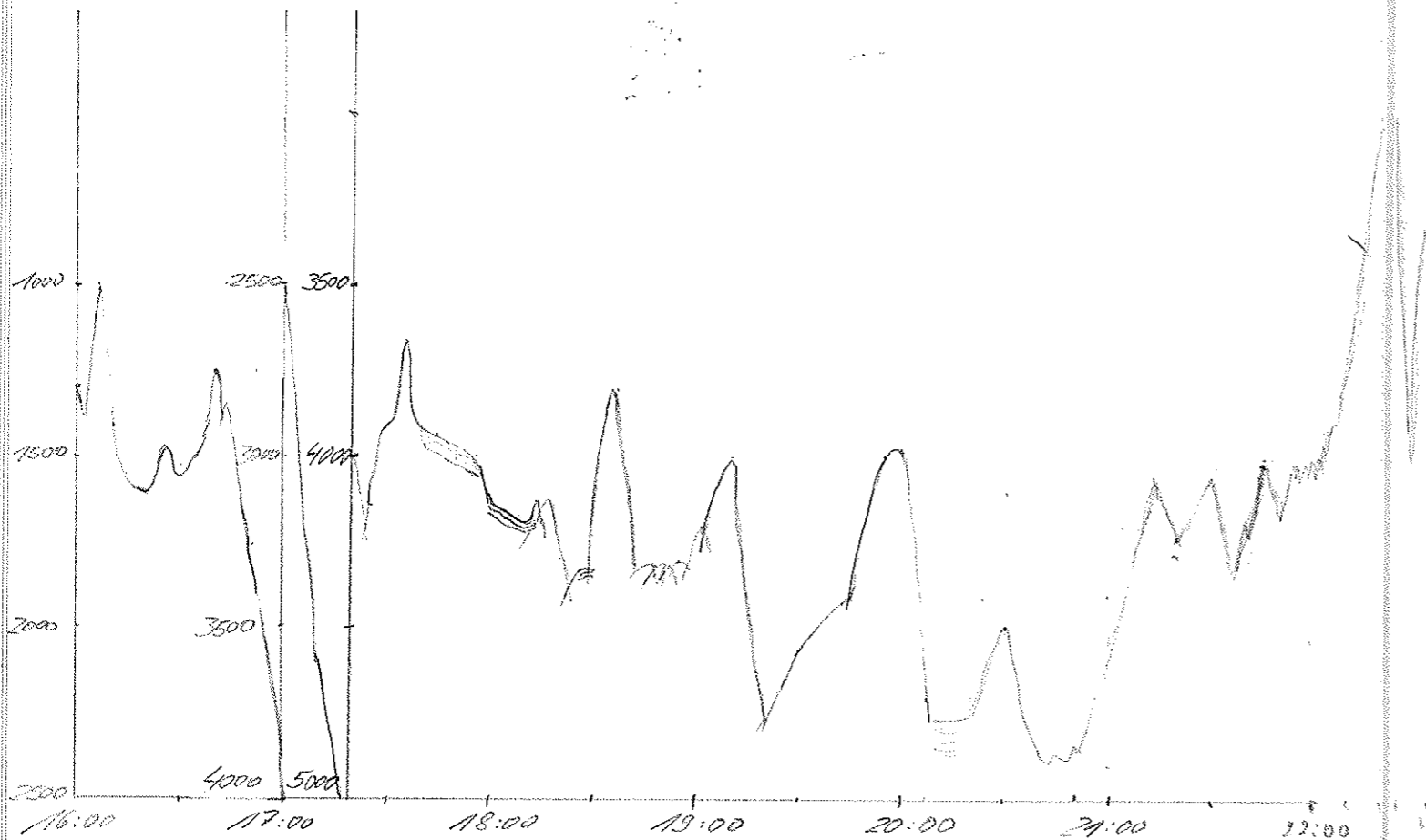
Roller	Profil	Datum	Zeit	Latitude	Longitude	Speed	Kun	Wassertiefe	Tiefenbereich	Sweep	Triggerfolge	Delay	sec/Sweep	Paketlänge	Negar	Bemerkung
3	12/254	27.12.87	20:00	61°21'94"	37°40.93'	13.6	86.5	1642.0	1594 - 1969	2	KP-----	0.38	1/2	1	Melias	
"	"	"	20:15	61°21.94"	37°39.48'	13.3	78.4	2043.0	1875 - 2250	2	KP-----	0.00	1/2	"	"	
"	"	"	20:49	61°21.71"	37°19.14'	13.7	84.5	2756.0	2531 - 2906	2	KP-----	0.13	"	"	"	20:50-21:20 Tief parallel zu schrägen Hang, sehr schwache Reflexionen
"	"	"	21:10	61°21.07"	37°09.60'	13.6	95.6	2947.0	2813 - 3188	3	K-P-----	0.25	"	"	"	21:15 Paketlänge 4 eingestellt
"	"	"	21:18	61°21.07"	37°06.02'	13.4	69.1	3341.0	3188 - 3563	2	KP-----	0.25	"	4	"	21:25 kurze Unterbrechung für Einstellung d. Kollektoren durch W. G. G. G.
"	"	"	21:48	61°19.68"	36°53.53'	11.8	71.6	2910.0	2625 - 3000	2	KP-----	0.00	"	"	"	
"	"	"	22:03	61°19.77"	36°46.42'	13.6	85.8	3029.0	3000 - 3375	3	K-P-----	0.00	"	"	"	
"	"	"	22:30	61°19.55"	36°35.43'	13.2	42.4	3375.0	3188 - 3563	2	KP-----	0.25	"	"	"	
"	"	"	23:17	61°15.16"	36°23.53'	8.7	72.7	3080.0	2813 - 3188	3	K-P-----	0.25	"	"	"	
"	"	"	23:53	61°14.87"	36°12.49'	10.1	46.1	2966.0	2713 - 3094	3	K-P-----	0.38	"	"	"	
"	"	28.12	00:00	61°14'77"	36°09'77"	11.3	95.3	2683	2719 - 3094	2	K-P-----	0.38	"	"	Soll b.	
"	"	"	00:05	61 13.96	36 07 29	10.7	32.7	2402	2196 - 2571	5	KPKP----	0.13	"	"	"	
"	"	"	00:15	61 13 30	36 06 37	10.6	28.5	2010	1625 - 3000	2	KP-----	0.00	"	"	"	
"	"	"	00:22	61 12 07	36 04 36	12.9	59.3	2407	2250 - 2625	5	KPKP----	.00	"	"	"	
"	"	"	00:30	61 12 13	35 59 52	13.5	100.9	2528	2250 - 2625	5	KPKP----	.00	"	"	"	
"	"	"	00:37	61 12 09	35 58 32	13.1	70.6	2832	2625 - 3000	2	KP-----	.00	"	"	"	
"	"	"	01:00	61 11 24	35 49 41	11.4	66.9	2825	2625 - 3000	2	KP-----	.00	"	"	"	
"	"	"	01:11	61 10 33	35 44 64	13.4	71.9	3020	2813 - 3188	3	K-P-----	0.25	"	"	"	
"	"	"	01:30	61 08 61	35 38 37	13.0	54.6	3062	2813 - 3188	3	K-P-----	0.25	"	"	"	
"	"	"	02:00	61 04 69	35 32 11	10.6	50.3	3241	2188 - 3563	2	KP-----	0.25	"	"	"	
"	"	"	02:45	60 58 95	35 23 68	11.2	18.6	3195	3094 - 3462	2	KP-----	0.38	"	"	"	Schwierigkeit bei Papier-Verschieb. ca. 20 min
"	"	"	03:09	60 57 01	35 21 00	10.7	43.8	3252	" "	"	"	"	"	"	"	9. Aufzeichnung 22-23
"	"	"	03:30	60 52 63	35 15 31	11.3	14.1	3705	1469 - 3844	3	KP-----	0.38	"	"	"	
"	"	"	04:00	60 49 77	35 07 94	13.0	85.0	4618	1594 - 4969	2	KP-----	.38	"	"	"	
3	12/159	"	04:39	60°48.82"	34°53.87'	13.2	87.5	3871	1656 - 4031	3	KP-----	.13	"	"	Kolka	st. Kiste!
"	"	"	05:02	47.52	38 39	13.2	076.4	1837	1181 - 2156	2	KP-----	.13	"	"	"	
"	"	"	05:45	46.76	38 29	13.7	073.5	3599	1563 - 3938	3	KP-----	.25	"	"	"	
"	"	"	06:26	43.92	42 40	13.2	073.4	3470	3094 - 3469	2	KP-----	.38	"	"	"	



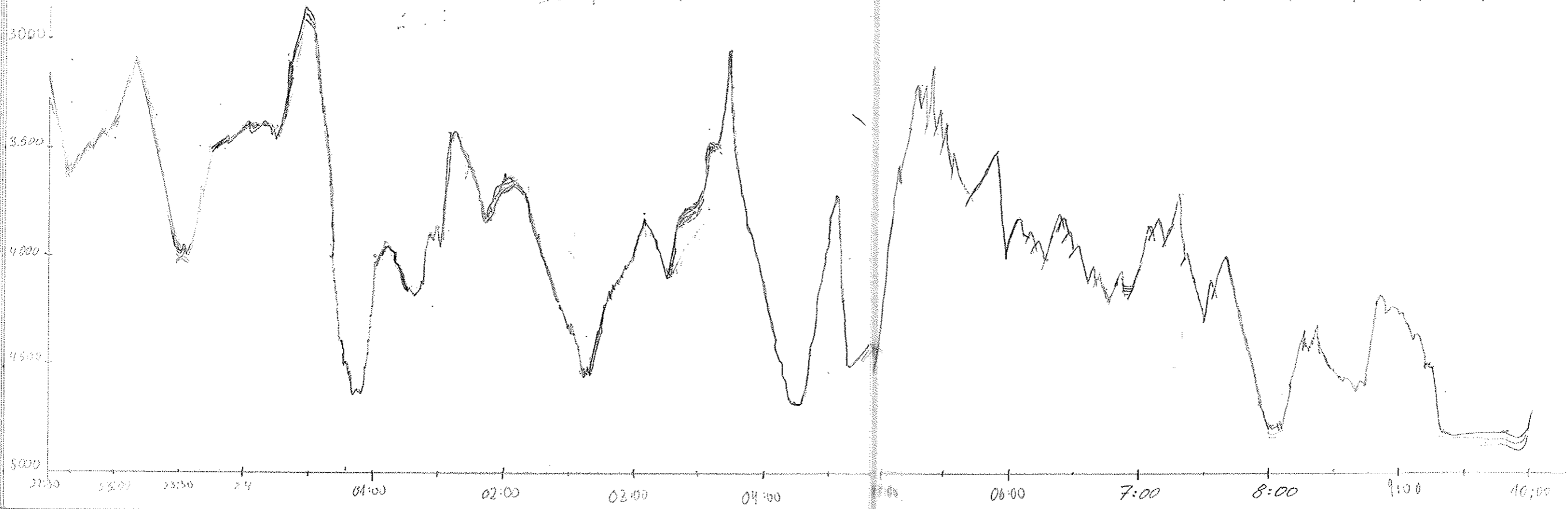
Rolle	Profil	Datum	Zeit	Latitude	Longitude	Speed	Kreis	Wassertiefe	Beob.	Sweeps	Triggerfolge	Delay	sec/sweep	Pulslänge	Knecht	Bemerk.	
3	12/254	28.12.87	0:33	60° 43.98	34° 09.53	10.0	689.4	3624	3563 - 3938	3	KP-	0.25	1/2	4	Zellhaus	Profil 12/254	
3	"	"	6:43	43.76	06.13	9.8	092.8	3412	3094 - 3469	2	KP-	0.38	"	"	"		
4	"	"	6:59	44.02	07.20	7.8	100.8	1675	1500 - 1875	5	KPK-P	0.50	"	"	"		
"	"	"	7:22	44.07	33° 53.65	8.5	063.7	2863	2531 - 2906	2	KP	0.13	"	"	"		
"	"	"	08:01	44.18	97.90	12.7	94.8	2956	2710 - 2054	3	K-P	0.38	"	"	Bruch		
"	"	"	08:09	44.11	34.97	13.2	84.5	2640	2344 - 2719	2	KP	0.38	"	"	"		
"	"	"	08:20	44.05	33.29	13.0	105.5	1453	1213 - 1594	5	KPK-P	0.31	"	"	"		
"	"	"	08:26	44.41	27.72	13.9	104.6	1820	2594 - 1919	2	KP	0.38	"	"	"		
"	"	"	08:44	44.09	19.11	13.4	95.4	3359	3375 - 3750	2	KP	0.00	"	"	"		
"	"	"	09:13	44.51	6.73	12.4	82.7	3450	-	"	"	"	"	"	"		
"	"	"	09:20	44.42	4.05	11.0	78.5	5337	-	"	"	"	"	"	"		
"	"	"	09:38	43.21	32° 57.06	12.8	92.2	3797	3094 - 2469	10	KPK	0.38	"	"	"		
"	"	"	09:53	43.61	50.67	12.7	110.8	3425	-	"	"	"	"	"	"		
"	"	"	10:12	44.03	42.80	13.7	100.3	3572	3469 - 3844	2	KP	0.00	"	"	"		
"	"	"	10:32	44.64	34.69	11.3	106.9	3445	2906 - 3289	2	KP	0.38	"	"	"		
"	"	"	10:43	45.07	29.81	13.6	110.2	2434	1969 - 2344	3	K-P	0.38	"	"	"		
"	"	"	11:00	45.27	22.74	13.1	89.5	2152	-	5	KPKP	0.38	"	"	"		
"	"	"	11:15	46.50	15.69	12.1	104.3	2524	-	"	"	"	"	"	"		
4	"	"	11:38	60° 47.34	32° 5.52	13.3	94.2	2857	2438 - 2813	2	KP	0.25	"	"	"		
11	"	"	11:45	47.61	2.51	9.9	132.9	2872	2714 - 3094	3	K-P	0.38	"	"	"	Rolle gewechselt	
4	12/254	28.12.87	10:21	60° 48.48	31° 48.27	11.9	077.9	2635	2625 - 3000	2	KP	0.00	"	"	"		
4	12/254	28.12.87	13:04	60° 44.16	31° 32.39	13.3	065.0	2146	2531 - 2906	2	KP	0.13	1/2	4	MACEDO	Do not use Bayard instead on chart	
4	12/254	28.12.87	13:30	60° 43.52	31° 21.08	10.9	110.9	1967	1781 - 2156	2	KP	0.13	1/2	4	MACEDO		
4	12/254	28.12.87	14:01	60° 43.18	31° 09.94	13.6	089.0	1350	-	5	KPK-P	0.38	1/2	4	MACEDO		
4	12/254	28.12.87	14:30	60° 43.73	30° 57.70	13.5	104.4	1601	1219 - 1594	5	KPK-P	0.38	1/2	4	MACEDO		
4	12/254	28.12.87	15:01	60° 42.10	30° 46.52	12.9	052.6	2100	1313 - 1688	5	KPK-P	0.25	1/2	4	MACEDO		
4	12/254	28.12.87	15:30	60° 38.84	30° 37.79	8.4	090.6	2250	1969 - 2344	5	KPKP	0.38	1/2	4	MACEDO		
4	12/254	28.12.87	15:55	60° 40.46	30° 28.70	12.6	137.2	1547	2156 - 2531	5	KPKP	0.13	1/2	4	MACEDO		
4	12/254	28.12.87	15:55	60° 40.46	30° 28.70	12.6	137.2	1547	1500 - 1875	5	KPK-P	0.00	1/2	4	MACEDO		



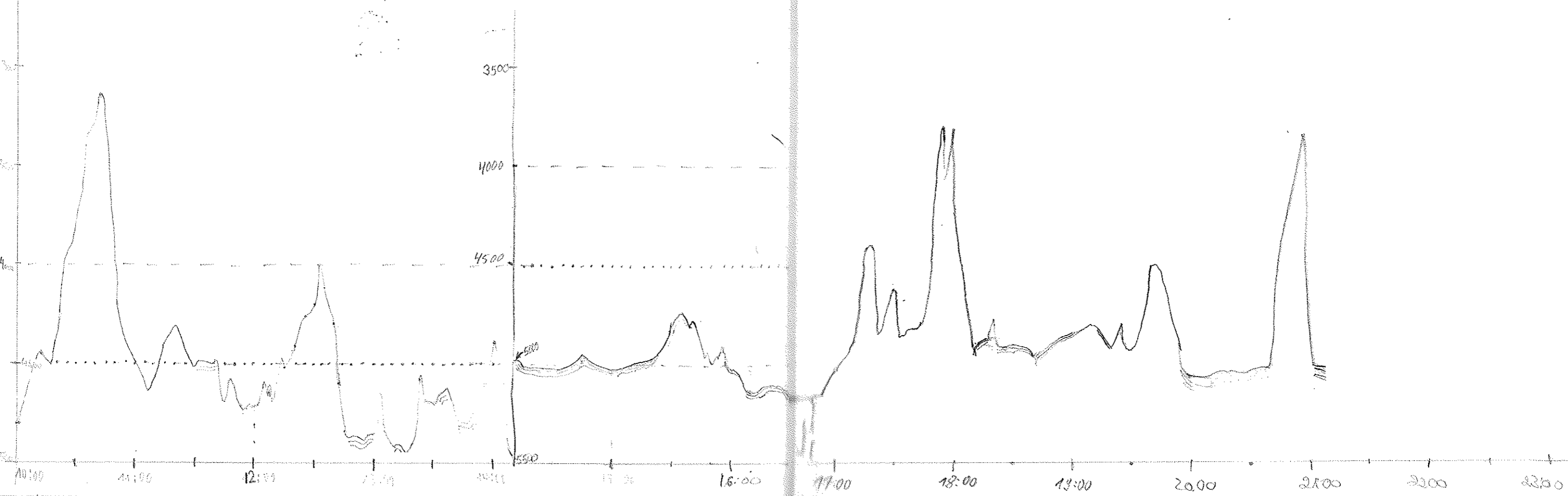
Roll	Profil	Datum	Zeit (GMT)	Latitude S	Longitude W	Speed	Kurs	Wassertiefe	bereich	sweep	trigger	folge	Delay	sec/sweep	Pulse l.	Aufsicht	Bmkg.
4	17/254	28.12.87	16:07	60° 42.25	30° 25.36	12.9	144.8		1441-1219	2	KP		.38	112	4.	Nied	
"	"	"	16:30	46.05	16.37	12.7	147.8		1313-1688	5	KPK-P		.25	"	"	"	
"	"	"	16:57	50.80	08.81	13.2	132.4		1969-2344	5	KPKP-		.38	"	"	"	
"	"	"	17:36	56.76	29 58.79	11.7	102.3		1375-3750	2	KP		.00	"	"	"	
"	"	"	18:00	57.39	48.96	12.8	98.3		1938-4373	2	KP		.00	"	"	"	
"	"	"	18:20	59.37	42.86	12.7	144.7		1219-4594	7	KP-K-P-		.38	"	"	"	
"	"	"	18:52	61° 03.07	34.42	13.1	141.4		1125-4500	2	KP		.00	"	"	"	
"	"	"	19:19	07.53	27.35	13.3	145.7		1406-4781	7	KP-K-P-		.13	"	"	"	
"	"	"	19:30	08.77	23.53	12.8	126.2		1500-4875	7	"		.00	"	"	"	
"	"	"	20:00	12.79	16.95	9.4	135.8		1750-4125	3	KP-		.00	"	"	"	
"	"	"	20:06						1500-4875	7	KP-K-P-		.00	112	"	"	
"	"	"	20:32	61° 13.98	29 05.07	12.0	82.0		1406-4781	7	KP-K-P-		.13	"	"	Breime	
"	"	"	20:42	13.65	01.60	12.3	138.0		1500-4875	7	KP-K-P-		.13	"	"	"	
"	"	"	20:45	13.36	00.75	12.3	70.5		1594-4969	2	KP-		.38	"	"	"	
"	"	"	20:59	12.98	28 55.42	12.8	80.3		1406-4781	7	KP-K-P-		.13	"	"	"	
"	"	"	21:06	12.66	28 53.18	12.0	69.4		1313-4682	7	KP-K-P-		.25	"	"	"	
"	"	"	21:12	12.35	50.83	9.7	90.6		1031-4406	2	KP-		.13	"	"	"	
"	"	"	21:18	12.58	48.73	13.2	96.8		1125-4500	2	KP-		.00	"	"	"	
"	"	"	21:24	12.53	46.58	9.8	85.9		1031-4406	2	KP-		.13	"	"	"	
"	"	"	21:27	12.37	45.32	12.1	81.4		1844-4219	2	KP-		.38	"	"	"	
"	"	"	21:31	12.35	43.78	13.2	78.9		1438-4313	2	KP-		.25	"	"	"	
"	"	"	21:32	12.29	43.12	13.4	79.8		1219-4594	7	KP-		.38	"	"	"	
"	"	"	21:37	12.46	40.57	13.7	90.0		1125-4500	2	KP-		.00	"	"	"	
"	"	"	21:42	12.44	38.44	10.6	80.0		1031-4406	2	KP-		.13	"	"	"	
"	"	"	21:51	11.85	35.20	13.3	52.9		1125-4500	2	KP-		.00	"	"	"	
"	"	"	22:04	11.45	29.70	12.5	55.9		1844-4219	2	KP-		.38	"	"	"	
"	"	"	22:09	11.24	27.75	11.6	78.2		1750-4125	3	KP-		.00	"	"	"	Grundverloren
"	"	"	22:12	11.30	26.54	12.6	89.7		1031-3656	2	KP-		.13	"	"	"	
"	"	"	22:18	11.07	24.17	11.2	45.5		1000-3375	3	KP		.00	"	"	"	
"	"	"	22:25	11.43	21.43	13.0	95.2		1656-4031	8	KP		.13	"	"	"	
"	"	"	22:21	11.24	18.75	13.1	94.0		1188-3563	2	KP		.25	"	"	"	



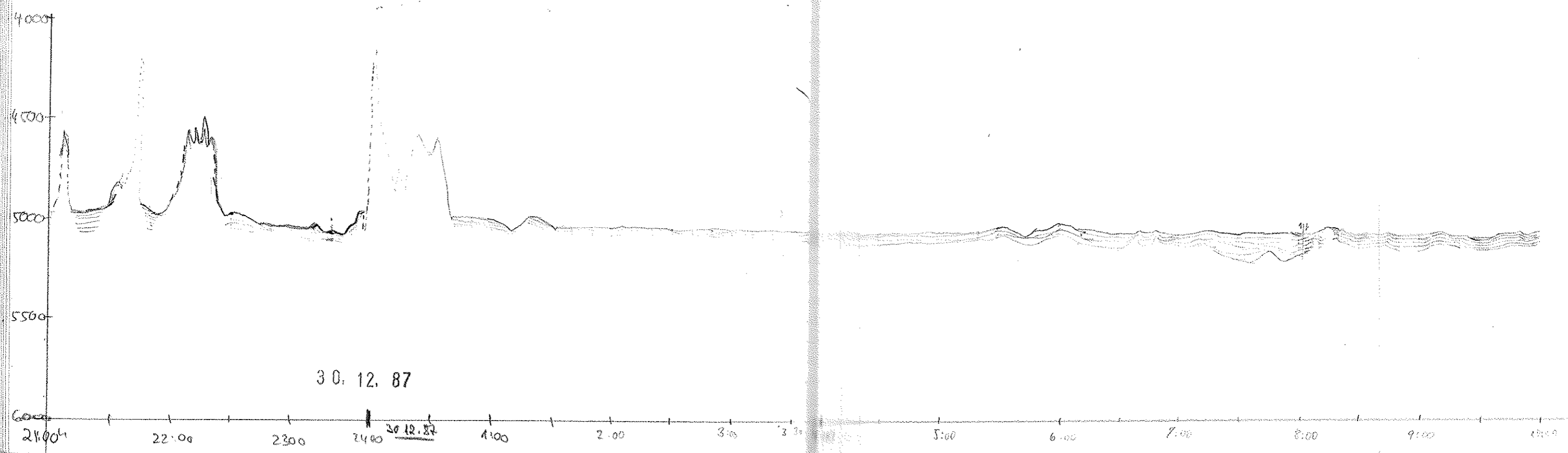
Rolle	Profil	Datum	Zeit (GMT)	Latitude S	Longitude W	Speed	Kurs	Wassertiefe	Bereich	Sweeps	trigger-Folge	Delay	sec/Sweep	Pulse	Aufsicht	Bemerk
4	12/254	28.12.87	22:42	01 11.82	28 14.45	9.2	92.9		375-3750	2	KP-	.00	1/2	4	Brdme	
"	"	"	23:03	61 12.04	06.70	11.2	93.9		281-3656	2	KP-	.13	"	"	"	
"	"	"	23:05	12.08	05.72	12.5	89.9		178-3563	2	KP-	.25	"	"	"	
"	"	"	23:08	12.04	04.74	13.2	84.2		100-3375	3	K-P-	.00	"	"	"	
"	"	"	23:11	12.15	03.30	10.3	99.5		094-3469	2	KP-	.38	"	"	"	
"	"	"	23:19	12.25	00.21	13.3	85.7		188-3563	2	KP-	.25	"	"	"	
"	"	"	23:24	12.11	57.84	13.2	91.9		344-4219	2	KP-	.38	"	"	"	
"	"	"	23:38	12:00	52.45	11.6	90.7		563-3938	3	KP-	.25	"	"	"	
"	"	"	23:45	12.15	49.49	13.0	90.3		175-3750	2	KP-	.00	"	"	"	
"	"	29.12.87	00:10	17.02	37.94	13.2	85.8		363-3938	3	KP-	.25	"	"	"	Probedata
"	"	"	00:21	12.12	32.85	13.2	110.5	3447	213-3188	3	K-P	.25	"	"	"	"
"	"	"	01:00	14.87	17.86	13.3	107.2	4156	4031-4406	2	KP-	.03	"	"	"	"
"	"	"	01:15	15.24	11.24	13.0	89.7	4203	3938-4313	2	KP	.25	"	"	"	"
"	"	"	01:28	14.08	6.76	13.5	30.6	3815	3563-3938	3	KP-	.25	"	"	"	"
"	"	"	01:59	14.04	55.19	12.7	77.8	3529	2188-3563	2	KP-	.25	"	"	"	"
"	"	"	02:23	15.22	45.34	12.9	101.4	4750	3938-4313	2	KP-	.25	"	"	"	"
"	"	"	02:47	17.33	38.56	12.9	83.4	4448	-	2	"	"	"	"	"	"
"	"	"	02:56	17.23	34.88	12.7	51.4	3503	3750-4125	3	KP	0.00	"	"	"	"
"	"	"	03:14	17.22	28.07	12.9	94.0	3985	3750-4125	"	"	"	"	"	"	"
"	"	"	03:37	16.68	18.30	13.4	47.4	3500	3188-3563	2	KP	0.25	"	"	"	"
"	"	"	03:44	16.75	13.72	13.1	66.8	3042	2906-3287	3	K-P	0.13	"	"	"	"
"	"	"	4:16	12.71	3.39	13.2	73.3	4676	4594-4969	2	KP	.38	"	"	"	Nied
"	"	"	4:57	10.59	46.69	9.1	18.9	4424	4406-4787	7	KP-K-P-	.13	"	"	"	"
"	"	"	5:19	7.76	39.29	13.4	68.3	3283	3000-3375	3	K-P	.00	"	"	"	"
"	"	"	5:55	6.10	24.26	13.4	79.9	3534	3469-3844	3	KP-	.38	"	"	"	"
"	"	"	6:30	6.46	9.14	11.5	105.0	3946	3750-4125	3	KP-	.00	"	"	"	"
"	"	"	6:57	6.61	0.25	12.6	109.7	4752	3938-4313	2	KP	.25	"	"	"	"
"	"	"	7:26	6.88	45.81	12.8	114.2	4119	4031-4406	2	KP	.73	"	"	"	"
"	"	"	7:54	9.37	34.50	13.0	128.0	4685	4406-4787	7	KP-K-P-	.73	"	"	"	"
"	"	"	8:29	12.41	21.49	9.7	115.2	4547	4313-4688	7	KP-K-P	.25	"	"	"	Lothar
"	"	"	8:49	14.07	14.18	13.0	118.0	4274	4031-4406	2	KP-	.13	"	"	"	"
"	"	"	9:39	17.48	57.97	12.5	106.6	4309	4688-5053	2	KP	.25	"	"	"	"
"	"	"	9:52	19.47	50.49	10.6	135.1	4819	-	"	"	"	"	1	"	"



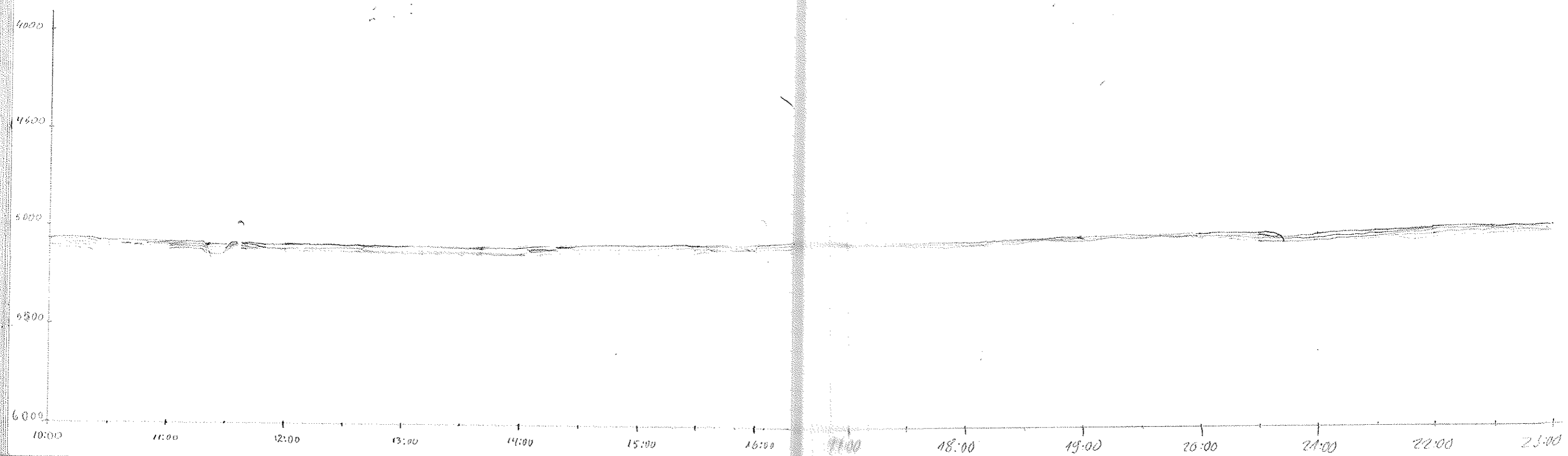
Rolle	Profil	Datum	Zeit	Latitude S	Longitude W	Speed	Kurs	Tiefe	Bereich	Sweeps	Trigger	Delay	sel/sweep	Pulse L	Aufsicht	Bemerkungen
4	12/254	29.12.87	10:08	61° 24.27	23° 46.68	12.6	107.3	4688	4500 - 4875	7	KP-K-P	0.00	1/2	1	Loffas	
"	"	"	10:26	22.33	23.72	11.9	115.0	4063	3844 - 4219	2	KP	.38	"	4	"	
"	"	"	11:01	74.83	26.11	12.6	143.4	4547	4313 - 4688	7	KP-K-P	.75	"	"	"	
"	"	"	11:47	29.27	09.25	12.7	116.0	4764	4594 - 4969	2	KP	.38	"	"	"	
4	12/254	29.12.87	12:15	61° 31.77	22° 57.09	12.8	125.6	4523	4406 - 4781	7	KP-K-P	.13	1/2	4	MACEDO	
4	12/254	29.12.87	12:45	61° 35.28	22° 46.47	13.2	109.4	4841	4571 - 4969	2	KP	.38	1/2	4	MACEDO	
4	12/254	29.12.87	13:15	61° 38.64	22° 34.63	13.1	119.6	4916	"	"	"	"	1/2	1	MACEDO	(12:52 Pulse 4 → 1)
4	12/254	29.12.87	13:46	61° 41.54	22° 21.78	13.3	109.4	4739	4500 - 4875	7	KP-K-P	.00	1/2	1	MACEDO	
4	12/254	29.12.87	14:21	61° 45.27	22° 08.62	12.4	130.0	5228	4875 - 5250	2	KP	.00	1/2	1	MACEDO	
4	12/254	29.12.87	14:45	61° 49.14	22° 01.48	12.7	140.6	4977	"	"	"	"	1/2	1	MACEDO	
4	12/254	29.12.87	15:21	61° 51.08	21° 48.76	13.1	106.2	4968	"	"	"	"	1/2	1	MACEDO	
4	12/254	29.12.87	15:45	61° 53.00	21° 37.26	13.3	106.3	4807	"	"	"	"	1/2	1	MACEDO	
"	"	"	16:07	61° 54.04	21° 32.63	13.5	106.4	5041	4875 - 5250	"	"	0.00	"	"	Klober	
"	"	"	16:30	61° 56.53	21° 20.41	13.0	118.8	5142	"	"	"	"	"	"	"	
"	"	"	17:07	61° 59.77	21° 07.64	13.1	111.3	5034	"	"	"	"	"	"	"	
"	"	"	17:11	62° 0.68	21° 03.41	12.3	109.7	4896	4688 - 5063	"	"	0.25	"	4	"	
"	"	"	17:30	62° 2.06	20° 55.70	12.9	707.9	4637	4500 - 4875	7	KP-K-P	0.00	"	"	"	
"	"	"	18:00	62° 4.43	20° 43.19	12.7	109.0	3968	3844 - 4219	2	KP	0.38	"	"	"	
"	"	"	18:20	62° 06.27	20° 34.50	12.7	110.3	4991	4594 - 4969	2	KP	0.38	"	1	"	
"	"	"	18:40	62° 08.34	20° 26.29	13.1	112.2	4966	4781 - 5156	2	KP	0.13	"	"	"	
"	"	"	19:00	62° 10.18	20° 18.21	12.9	112.1	4865	"	"	"	"	"	"	"	
"	"	"	19:20	62° 11.94	20° 9.31	12.4	111.8	4928	4781 - 5156	"	"	0.13	"	"	"	
"	"	"	19:40	62° 11.40	20° 0.97	13.3	97.8	4507	4219 - 4594	7	KP-K-P	0.38	"	4	"	
"	"	"	20:00	62° 15.41	19° 56.01	12.8	150.3	5096	4875 - 5250	"	"	0.00	"	1	"	Kurswechsel
"	"	"	20:13	62° 18.27	19° 53.01	12.7	161.6	5086	"	"	"	"	"	"	Herfeld	"
"	"	"	20:46	62° 24.58	19° 44.85	13.3	148.9	4854	4688 - 5063	2	KP	0.25	"	"	"	
"	"	"	20:43	62° 25.25	19° 43.36	13.2	144.5	4408	4313 - 4688	7	KP-K-P	0.25	"	"	"	
"	"	"	20:52						3988 - 4313			0.25	"	"	"	
"	"	"	20:53					3900	3503 - 3938			0.25	"	"	"	
"	"	"	20:55						4313 - 4688	7		0.25	"	"	"	
"	"	"	20:57					4688	4688 - 5063	2	KP	0.25	"	5	"	



ROLE	PROFIL	DATE	ZEIT	LATITUDE	LONGITUDE	SPEED	WALD	TIEFE	REWECH	SWERTS	TRIGGER	DETA	SEC/SWERTS	PULSE	PRODOLL	REMERKUNGEN
4	12/254	29.12.87	21:13	62°28:12	18°32:12	13.5	142.2	5060	4888-5063	2	KP	0.25	1/2	1	Hervefeld	
"	"	"	21:15	62°29:24	18°33:46	13.5	"	5057	4869-5344	5	KPR-P	0.38	"	"	"	
"	"	"	21:27	62°32:00	18°34:20	12.9	150.7	4880	4584-4868	2	KP	0.38	"	"	"	
"	"	"	21:41	62°34:53	18°31:20	12.9	150.4	4952	4869-5344	5	KPR-P	0.38	"	"	"	
"	"	"	21:45	62°35:42	18°30:20	12.5	149.7	4922	4584-4868	2	KP	"	"	"	"	
"	"	"	21:53	62°37:07	18°29:20	13.1	160.3	4949	4721-5156	2	KP	0.13	"	"	"	
"	"	"	22:16	62°41:29	18°24:15	12.3	145.8	4618	4406-4781	7	KPR-K-P	0.13	"	"	"	
"	"	"	22:44	62°46:20	18°17:14	12.6	150.8	4918	4781-5156	2	KP	0.13	"	"	"	
4	12/254	30.12.87	23:38	62°56:04	18°05:25	12.5	148.6	5039	"	"	"	"	"	"	"	
"	"	"	00:01	63°00:21	18°09:66	12.8	148.8	3953	4031-4406	2	KP	0.13	"	"	"	Cordes
"	"	"	00:30	63°05:65	18°04:57	13.1	144.8	4688	4106-4781	7	KPR-K-P	0.13	"	"	"	Merkwürdige Morphologie für Elch-Verhalten
"	"	"	01:00	63°09:96	18°06:63	12.8	140.6	4999	4781-5156	2	KP	0.13	"	"	"	
"	"	"	01:30	63°15:55	18°04:23	12.3	145.3	5020	"	"	"	"	"	"	"	
"	"	"	02:00	63°20:59	18°03:73	12.7	127.9	5035	"	"	"	"	"	"	"	
"	"	"	02:30	63°25:65	18°02:25	12.4	145.9	5043	"	"	"	"	"	"	"	
"	"	"	03:00	63°30:42	18°01:42	11.3	150.9	5034	"	"	"	"	"	"	"	
"	"	"	03:30	63°35:04	18°00:04	10.5	129.6	5052	"	"	"	"	"	"	"	
"	"	"	04:00	63°39:56	18°00:78	11.3	180.0	5054	"	"	"	"	"	"	"	Lohes
"	"	"	04:30	63°44:58	18°00:56	11.0	147.0	5064	"	"	"	"	"	"	"	
"	"	"	05:30	63°55:28	17°55:90	11.6	126.5	5037	"	"	"	"	"	"	"	
"	"	"	06:10	64°01:78	17°45:26	11.7	137.8	5037	"	"	"	"	"	"	"	
"	"	"	07:02	64°09:59	17°32:89	12.7	143.8	5066	"	"	"	"	"	"	"	
"	"	"	07:30	64°14:52	17°25:54	12.7	138.2	5092	"	"	"	"	"	"	"	
"	"	"	07:49	64°17:74	17°19:45	12.5	150.2	5078	4875-5250	2	KP	0.00	"	"	"	
"	"	"	08:30	64°24:92	17°09:63	12.7	139.6	5070	"	"	"	"	"	"	"	Brehme
"	"	"	09:00	64°30:81	17°02:00	12.2	150.8	5058	"	"	"	"	"	"	"	
"	"	"	09:30	64°35:93	16°54:54	12.8	144.8	5091	"	"	"	"	"	"	"	
"	"	"	10:00	64°41:37	16°47:70	13.0	151.7	5057	"	"	"	"	"	"	"	

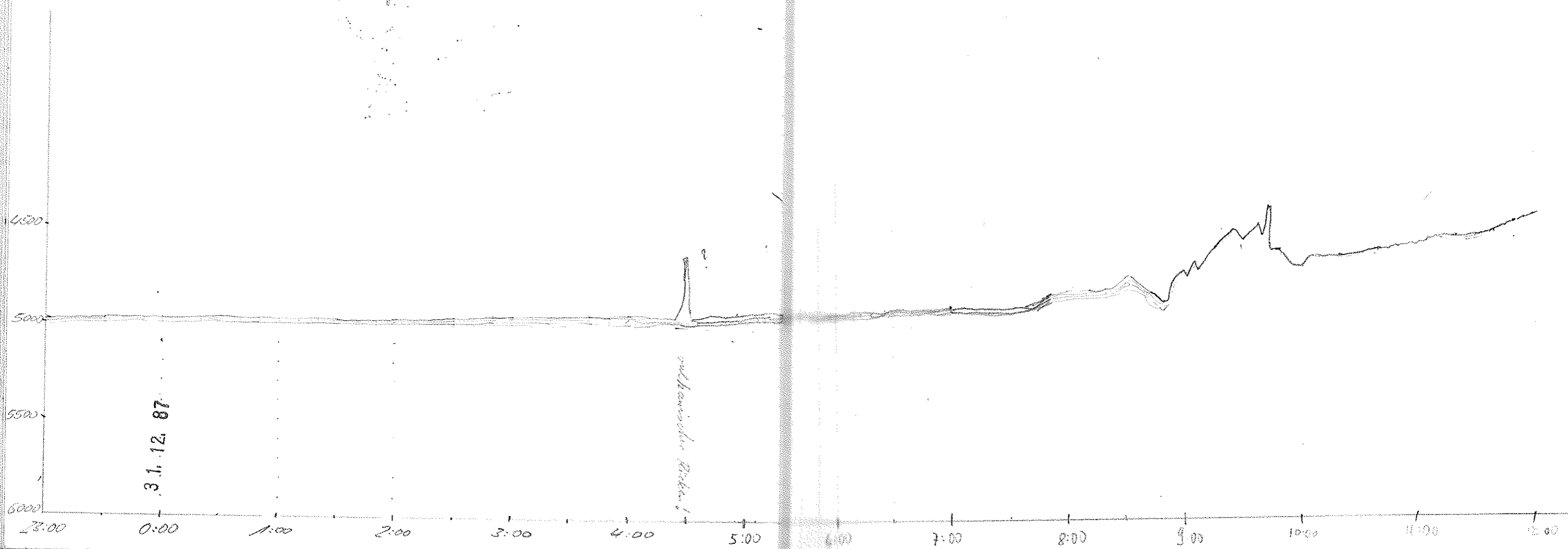


Pollo	Profil	Datum	Zeit	Latitude S	Longitude W	Speed	Kurs	Tiefe	Bereich	Sweep	Trigger	Delay	Sec/ Sweeps	Dulce	Aufsicht	Bemerkungen
1	12/254	30.12.87	10:30	64° 46,95	16° 40,66	12,5	145,1	5072	4875 - 5250	2	KP-	.00	1/2	1	Proleme	
"	"	"	11:00	52,14	33,46	11,7	155,5	5100	"	"	"	"	"	"	"	"
"	"	"	11:30	37,65	26,31	12,3	146,7	5088	"	"	"	"	"	"	"	"
"	"	"	12:00	65° 03,01	19,08	11,8	144,7	5080	"	"	"	"	"	"	"	"
"	"	"	12:37	65° 08,39	16° 03,47	12,5	147,1	5078	"	"	"	"	"	"	"	Hersfeld
"	12/254	"	12:55	65° 12,65	16° 05,08	11,7	147,2	5071	"	"	"	"	"	"	"	Magnetometer ausgebracht
"	"	"	13:12	65° 15,07	16° 02,72	3,9	147,4	5072	"	"	"	"	"	"	"	(lange Zeit)
"	12/254	"	13:48	65° 18,15	15° 57,77	8,7	150,4	5100	"	"	"	"	"	"	"	PROFIL ENDE
"	12/255	"	14:02	65° 20,20	16° 00,34	11,3	146,9	5066	"	"	"	"	"	"	"	PROFIL ANFANG
4→5	"	"	14:39	65° 26,24	15° 22,03	11,6	216,0	5068	"	"	"	"	"	"	"	Rapierwechsel (Kurs um)
5	"	"	14:47	65° 26,53	15° 55,73	12,6	270,0	5063	"	"	"	"	"	"	"	Rapieraufg. kurzzeitig beendet
5	"	"	15:37	65° 33,39	15° 46,33	11,9	142,6	5068	"	"	"	"	"	"	"	"
"	"	"	16:23	65° 41,27	15° 33,18	12,4	145,4	5052	"	"	"	"	"	"	"	"
"	"	"	17:00	65° 46,73	15° 26,67	3,7	145,3	5050	"	"	"	"	"	"	"	Kühler
"	12/256	"	17:30	65° 48,23	15° 22,81	5,3	143,2	5046	"	"	"	"	"	"	"	Magnetometer wird eingeholt
"	"	"	18:00	55,97	12,12	12,7	158,0	5042	"	"	"	"	"	"	"	Profilende, Profilaufg. 17:20
"	"	"	18:36	66° 01,98	15° 05,07	12,4	143,1	5036	"	"	"	"	"	"	"	Lohr
"	"	"	19:00	66° 06,44	14° 59,22	12,8	140,5	5026	"	"	"	"	"	"	"	Kühler
"	"	"	19:30	66° 11,57	14° 47,96	12,8	133,4	5021	"	"	"	"	"	"	"	"
"	"	"	20:02	66° 16,23	14° 37,66	12,6	138,1	5019	"	"	"	"	"	"	"	"
"	"	"	20:32	66° 22,23	14° 28,47	12,8	139,3	5010	"	"	"	"	"	"	"	"
"	"	"	21:00	66° 27,46	14° 20,30	12,8	147,3	5007	"	"	"	"	"	"	"	Nied
"	"	"	21:30	66° 33,44	14° 14,40	9,6	150,0	5000	"	"	"	"	"	"	"	"
"	"	"	22:02	66° 38,47	14° 05,90	12,6	147,0	4998	"	"	"	"	"	"	"	"
"	"	"	22:30	66° 44,33	13° 59,84	12,6	139,8	4992	"	"	"	"	"	"	"	"
"	"	"	23:00	66° 49,40	13° 51,12	11,4	128,2	4986	"	"	"	"	"	"	"	"



Rolle	Profil	Datum	Zeit	Latitude S	Longitude W	Speed	Kurs	Tiefe	Bereich	Sweep	Trigger	Delay	sec Sweep	Pulse	Aufs.	Bemerkungen
5	12/256	30.12.87	23:30	66° 53.66	13° 40.78	10.9	150.8	4980	875 - 5250	2	KP	.00	1/2	1	Nied	
5	12/256	31.12.87	00:00	66° 57.57	13° 32.53	10.4	153.4	4984	" "	"	"	"	1/2	1	MACEDO	
5	12/256	31.12.87	00:30	67° 03.43	13° 29.05			4970	" "	"	"	"	1/2	1	MACEDO	
5	12/256	31.12.87	01:02	67° 09.51	13° 20.20	10.6	149.5	4970	" "	"	"	"	1/2	1	MACEDO	
5	12/256	31.12.87	01:31	67° 14.31	13° 13.99	11.7	146.4	4968	" "	"	"	"	1/2	1	MACEDO	
5	12/256	31.12.87	02:03	67° 18.92	13° 05.92	12.9	154.2	4965	" "	"	"	"	1/2	1	MACEDO	
5	12/256	31.12.87	02:30	67° 24.31	13° 00.56	12.4	161.2	4959	" "	"	"	"	1/2	1	MACEDO	
5	12/256	31.12.87	03:03	67° 29.89	12° 53.46	12.6	137.6	4947	" "	"	"	"	1/2	1	MACEDO	
5	12/256	31.12.87	03:32	67° 35.61	12° 43.95	12.9	145.5	4948	" "	"	"	"	1/2	1	MACEDO	
5	12/256	31.12.87	03:59	67° 40.02	12° 37.72	12.7	144.2	4936	" "	"	"	"	1/2	1	MACEDO	
5	12/256	"	04:30	67° 45.46	12° 28.79	12.9	144.2	4925	" "	"	"	"	"	"	Broda	
5	"	"	05:01	67° 51.44	12° 18.80	12.8	143.9	4921	" "	"	"	"	"	"	"	
5	"	"	05:29	67° 56.48	12° 09.13	12.9	141.5	4920	" "	"	"	"	"	"	"	
5	"	"	06:00	68° 02.03	11° 58.18	12.8	146.7	4918	" "	"	"	"	"	"	"	
5	"	"	06:30	68° 07.70	11° 49.50	12.8	149.0	4912	" "	"	"	"	"	"	"	
5	"	"	07:01	68° 13.64	11° 40.08	12.8	150.0	4907	" "	"	"	"	"	"	"	
5	"	"	07:30	68° 19.23	11° 32.27	12.9	149.8	4903	" "	"	"	"	"	"	"	
5	"	"	07:48	68° 22.73	11° 27.94	13.3	155.8	4882	4688 - 5063	"	"	0.25	"	"	"	
5	"	"	08:10	68° 27.95	11° 18.95	12.8	150.7	4867	" "	"	"	"	"	"	Lolha	
5	"	"	09:06	68° 37.40	10° 05.88	12.7	150.2	4691	4406 - 4789	17	KP-K-P	.13	"	"	"	
5	"	"	09:45	68° 45.24	10° 54.14	12.9	150.3	4405	4425 - 4500	2	KP	.00	"	"	"	
5	"	"	10:33	68° 52.65	10° 41.25	12.5	147.7	4625	4505 - 4688	7	KP-K-P	.25	"	"	"	
5	"	"	11:10	68° 59.25	10° 31.07	13.0	135.8	4558	" "	"	"	"	"	"	"	
5	"	"	12:01	69° 08.66	10° 16.53	12.0	139.8	4457	" "	"	"	"	"	"	Nied	

02:40 TECHNICAL PROBL. 1A3, 100% 10
WE IN CLEAN 2



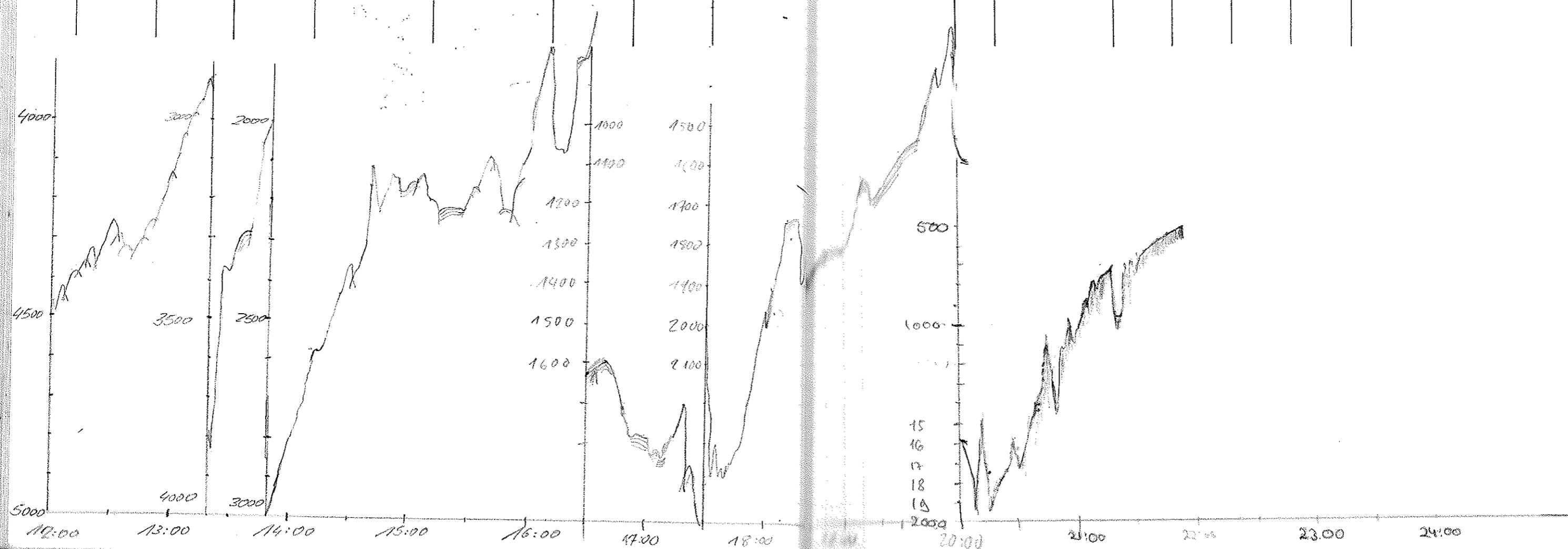
Rolle	Profil	Datum	Zeit	Latitude S	Longitude W	Speed	Kurs	Tiefe	Bereich	Sweep	Trigges	Delay	sec/Sweep	Pulse Lgth	Controleff.
5	12/256	31.12.87	12:28	69° 12.90	10° 08.43	12.9	139.9	4309	031-4406	2	KP	.13	12	1	Nied
"	"	"	13:04	18.94	9° 58.07	12.8	155.7	4053	750-4725	3	KP-	.00	"	"	"
"	"	"	13:23	22.23	9° 52.71	12.8	161.1	3554	788-3563	2	KP	.25	"	"	"
"	"	"	13:44	26.32	48.92	13.3	147.9	3112	813-3094	3	K-P	"	"	"	"
"	"	"	13:59	29.06	44.72	13.5	143.9	2813	438-2813	2	KP	"	"	"	"
"	"	"	14:25	34.33	37.52	11.4	194.1	2435	063-2438	5	KPKP-	"	"	"	"
"	"	"	15:02	41.63	43.57	12.8	220.2	2207	"	"	"	"	"	"	"
"	"	"	15:32	45.28	44.88	11.1	171.8	2191	"	"	"	"	"	"	"
"	"	"	15:57	47.71	40.39	12.7	127.4	2089	781-2156	2	KP	.13	"	"	"
"	"	"	16:07	49.79	35.34	9.7	183.1	1770	844-1969	2	KP	.38	"	"	kleines
"	"	"	16:35	51.72	25.39	9.2	85.7	1639	94-1969	2	KP	.38	"	"	← dickes Packeis, häufiger
"	"	"	16:56	54.06	24.01	2.9	200.0	1765	94-1969	2	KP	.38	"	"	Knochen
"	"	"	17:43	59.06	21.90	9.2	125.6	2320	150-2625	5	KPKP-	.00	"	"	"
"	"	"	17:52	70° 02.78	15.22	12.7	136.9	1985	174-1969	2	KP	.38	"	"	"
"	"	"	18:30	7.91	8° 58.65	12.8	104.3	1924	181-2156	2	KP	.13	"	"	"
"	"	"	19:03	9.84	49.28	4.9	87.6	1803	174-1969	2	KP	.38	"	"	"
"	"	"	19:30	12.78	43.46	11.0	116.6	1569	106-1781	5	KPK-P	.13	"	"	"
"	"	"	20:00	12.04	34.18	9.8	58.2	1640	100-1875	5	KPK-P	.00	"	"	"
"	"	"	20:12	70° 10.80	8° 30.33	9.1	113.1	13.	175-2250	2	KP	.00	"	"	Hemfeld
"	"	"	20:15	11.15	28.41	3.0	137.8	1752	100-1775	5	KPK-P	.00	"	"	"
"	"	"	20:40	13.00	21.33	11.5	163.4	1441	175-1500	2	KP	.00	"	"	"
"	"	"	20:52	16.11	17.87	12.0	181.2	1125	150-1125	3	K-P	.00	"	"	"
"	"	"	21:17	18.74	09.69	3.0	104.1	780	169-844	3	K-P	.38	"	"	"
"	"	"	21:46	25.62	08.63	8.4	205.0	564	175-750	2	KP-	.00	"	"	"
"	"	"	21:53	26.46	07.63	7.6	220.0	504	"	"	"	"	"	"	"

← dickes Packeis, häufiger Knochen

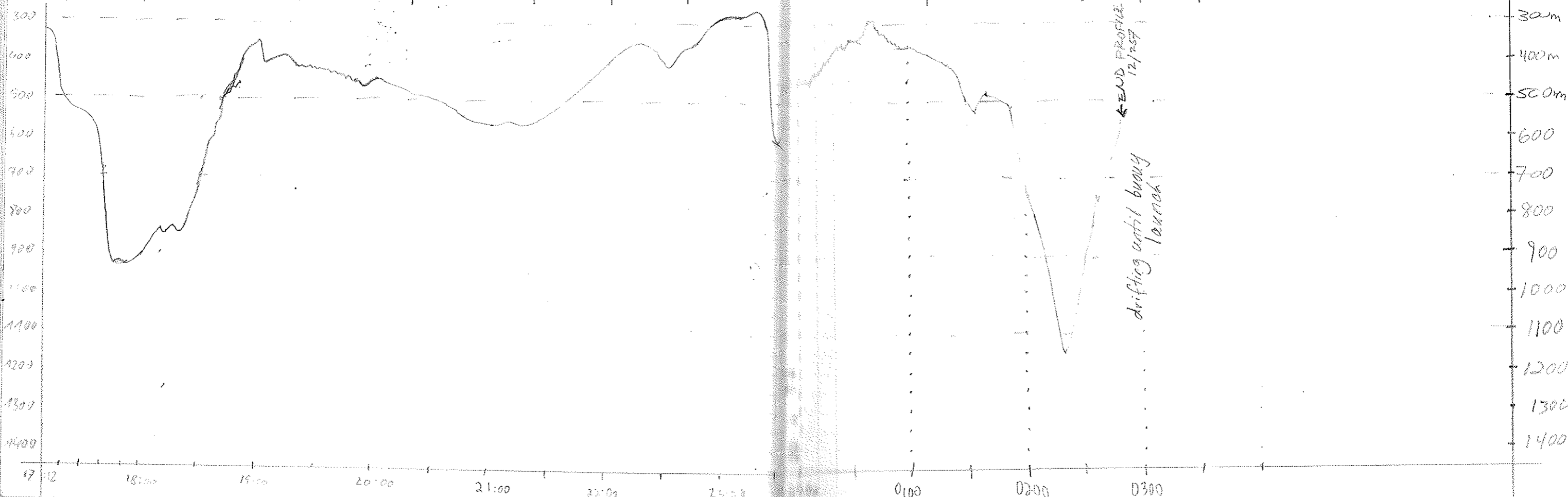
dickes Eis

Hemfeld

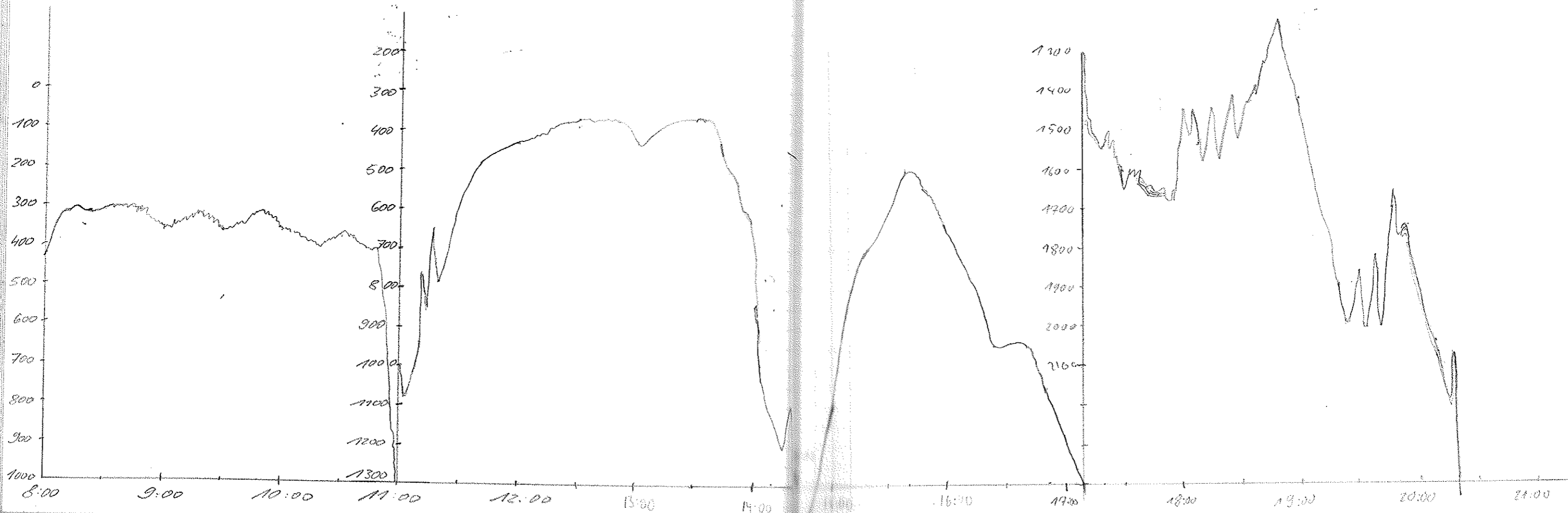
PROFILIENDE (von GUN)



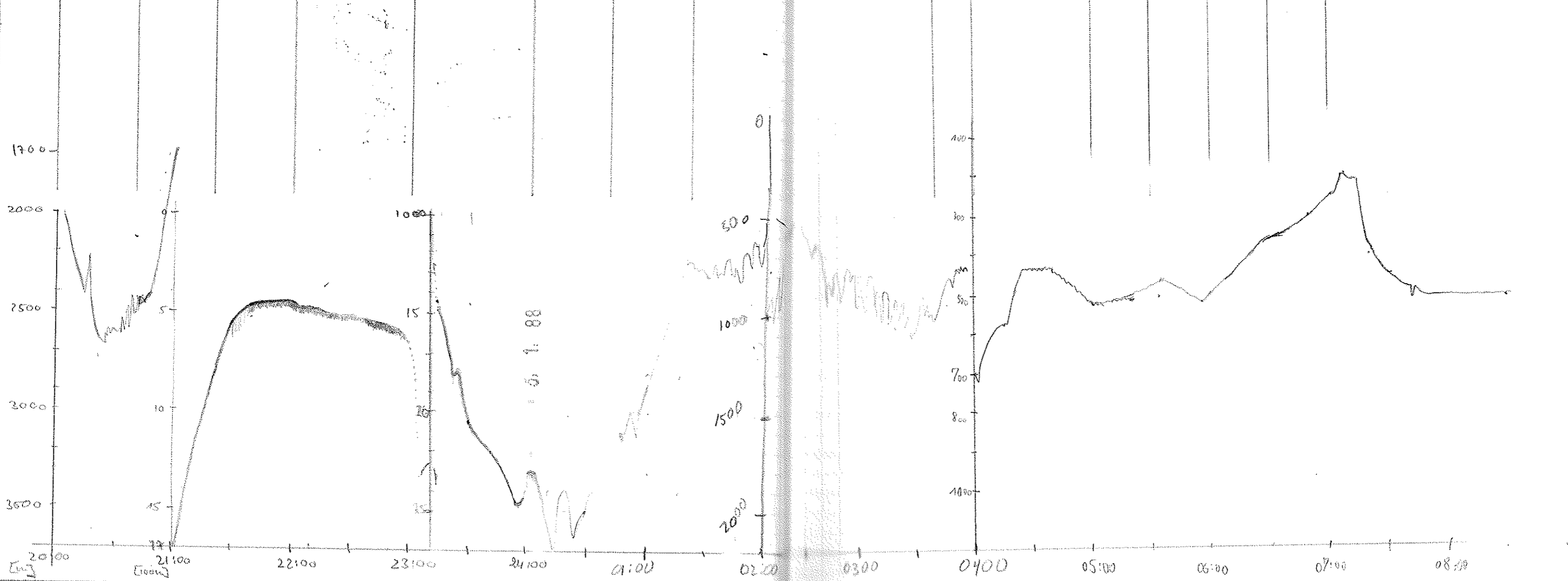
Rolle	Prof/1	Datum	Zeit	Latitude	Longitude	Speed	Kurs	Tief	Beur	Sweep	Triggers	Delay	sec/sweep	Pulse	Mod	Bemg	
5	12/257	3.1.88	17:12	70° 28.71	8° 20.01	8.6	310.5	320.	281-656	2	KP-	0.13	1/2	1	Lothar	Profilbeginn	
"	"	"	17:43	26.06	30.89	7.6	331.7	689	563-938	3	K-P	0.25	"	"	Kuba		
"	"	"	18:30	22.38	39.58	6.2	216.8	-	"	"	"	"	"	"	Lothar		
"	"	"	18:43	23.13	42.86	6.0	206.0	461	375-750	2	KP-	.00	"	"	"		
"	"	"	19:37	24.95	55.03	7.9	163.7	-	281-656	1	"	.13	"	"	"		
"	"	"	20:32	70° 30.22	09° 05.07	9.7	239.4	509	281-656	2	KP - - - -	0.13	"	"	"	Melle	
"	"	"	21:45	70° 41.47	09° 47.78	13.9	233.0	456	"	"	"	"	"	"	"		
"	"	"	22:46	70° 40.98	10° 14.58	11.9	224.7	318.0	"	"	"	"	"	"	"		
"	"	"	22:59	70° 42.98	10° 18.90	13.2	235.3	285.0	94-469	2	KP - - - -	0.38	"	"	"		
"	"	"	23:26	70° 45.83	10° 34.97	13.7	225.1	462.0	375-750	2	KP - - - -	0.00	"	"	"		
"	"	"	23:51	70° 43.25	10° 47.91	13.3	235.9	466.6	"	"	"	"	"	"	"		
5	12/257	4.2.88	00:01	70° 50.50	10° 53.70	13.0	235.5	442	"	"	"	"	1/2	1	Macedo		
5	12/257	4.2.88	00:30	70° 54.35	11° 08.71	13.2	229.0	342	188-563	2	KP - - - -	.25	1/2	1	Macedo		
5	12/257	4.2.88	01:01	70° 57.53	11° 27.38	13.5	232.4	358	"	"	"	"	1/2	1	Macedo		
5	12/257	4.2.88	01:30	71° 01.61	11° 40.96	11.4	213.4	474	375-750	2	KP - - - -	.00	1/2	1	Macedo		
5	12/257	4.2.88	02:00	71° 05.13	11° 54.47	10.4	211.6	676	"	"	"	"	1/2	1	Macedo		
5	12/257	4.2.88	02:30	71° 06.67	12° 05.44	6.7	226	1035	656-1031	3	K-P - - - -	.13	1/2	1	Macedo		
5	12/257	4.2.88	02:51	71° 07.96	12° 10.34	STATION 258			375-750	3	KP - - - -	.00	1/2	1	Macedo	PROFILE FINISH	
5	12/259	4.2.88	7:55	07.80	11.28	2.1	221.2	537	375-750	2	KP -	.00	1/2	1	Kuba		



Rolle	Profil	Datum	Zeit	Latitude S	Longitude W	Speed	Kurs	Tiefe	Bereich	Swap	Trigger	Delay sec/swg	Pulse	Bemerkungen
5	12/259	4.1.88	8:03	71° 08.03	12° 12.28	3.0	228.7	388.0	48-563	2	KP	.25	1/2	1 Nied
"	"	"	8:30	08.78	17.16	4.4	238.9	315	"	"	"	"	"	"
"	"	"	9:00	09.27	33.99	12.0	249.7	359	"	"	"	"	"	"
"	"	"	9:37	11.34	58.30	12.5	235.5	362	"	"	"	"	"	"
"	"	"	10:00	13.57	13.19.29	13.9	260.4	357	"	"	"	"	"	"
"	"	"	10:30	16.04	35.70	12.8	247.7	373	"	"	"	"	"	"
"	"	"	10:56	18.22	57.47	13.3	287.5	800	70-1125	3	K-P	.00	"	"
"	"	"	11:18	20.54	57.89	14.6	201.5	750	69-844	"	"	.38	"	"
"	"	"	11:38	22.83	14° 10.76	13.3	230.4	485	67-656	2	KP	.13	"	"
"	"	"	12:30	30.50	38.29	13.7	227.2	369	"	"	"	"	"	Lokas
"	"	"	13:02	35.13	54.38	13.4	209.9	431	"	"	"	"	"	"
"	"	"	13:37	41.27	15° 09.07	13.3	227.6	399	"	"	"	"	"	"
"	"	"	14:01	43.66	23.74	13.4	245.2	872	70-1125	3	K-P-	.00	"	"
"	"	"	14:10	44.31	30.72	13.7	250.3	1142	75-1500	2	KP-	.00	"	"
5	"	"	14:30	46.10	43.08	13.5	224.5	1425	"	"	"	"	"	Rollenwechsel
6	"	"	14:38	46.10	47.60	13.5	210.7	1387	119-1594	5	KPK-P	.38	"	"
"	"	"	14:58	50.99	54.30	13.4	183.9	1166	944-1319	2	KP	.25	"	"
"	"	"	15:27	56.73	16° 05.12	13.8	219.3	677	875-750	2	KP	.00	"	"
"	"	"	16:00	72° 07.61	23.03	13.4	228.2	646	"	"	"	"	"	Kuh
"	"	"	16:14	4.13	28.73	13.4	208.9	744	76-1037	3	K-P	0.13	"	"
"	"	"	16:52	11.50	44.07	13.7	219.0	1066	137-1406	2	KP	0.13	"	"
"	"	"	17:31	15.22	17° 9.51	13.9	244.0	1539	106-1787	5	KPK-P	0.13	"	"
"	"	"	18:04	18.93	33.74	13.6	240.4	1522	"	"	"	"	"	"
"	"	"	18:34	23.85	43.98	13.6	210.0	1393	117-1574	"	"	0.38	"	"
"	"	"	18:52	27.37	50.24	13.4	233.0	1257	128-1343	2	KP	0.25	"	"
"	"	"	19:21	31.33	18° 09.02	13.7	232.6	1896	141-2156	2	KP	0.13	"	"
"	"	"	19:54	34.80	37.20	13.8	256.6	1797	150-1877	5	KPK-P	0.00	"	"
"	"	"	20:08	72° 35.70	18° 42.05	13.8	250.4	2164	162-2438	5	KPKP-	0.25	"	Herzfeld
"	"	"	20:20	72° 36.88	18° 49.86	13.7	230.7	2491	178-2813	2	KP	0.25	"	"

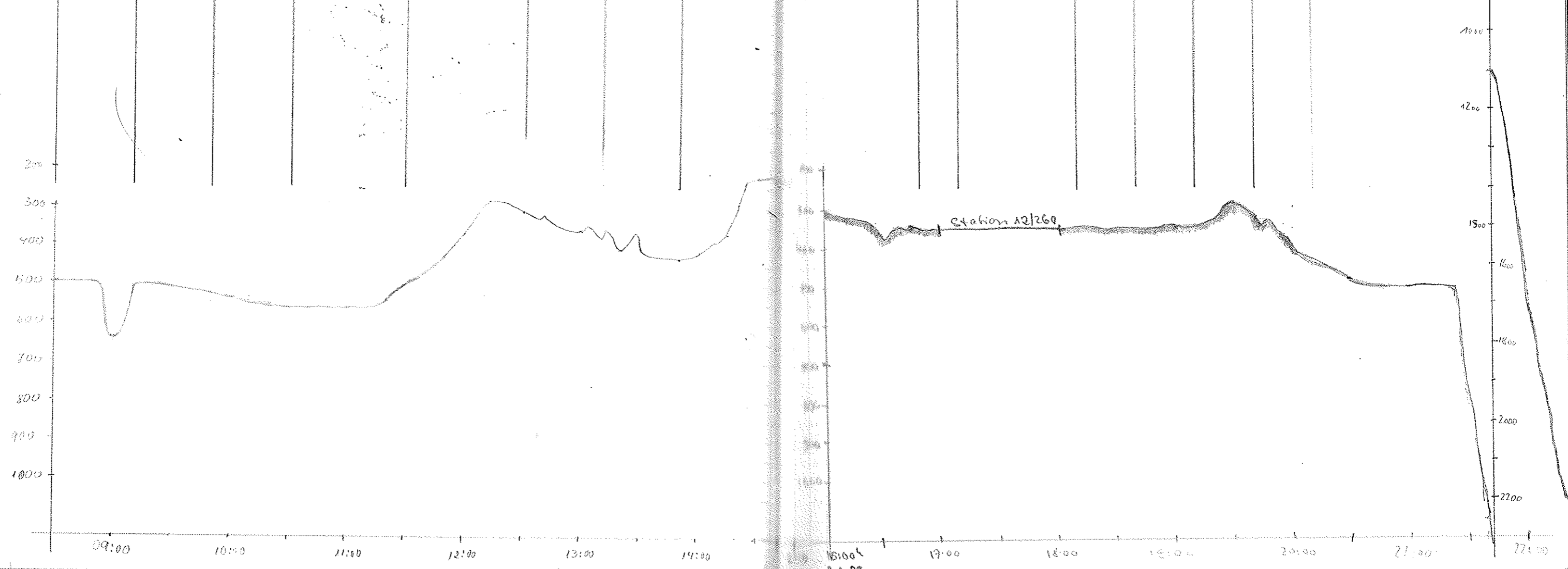


ROLLE	PROFIL	DATUM	ZEIT	LATITUDE S	LONGITUDE N	SPEED	MUR	TIEFE	BEREICH	QUEFF	TRIGGER	DELAY	SEC/SUCCESS	PULSE	PROTOKOL	BEMERKUNGEN
6	12/259	4.1.88	20:48	72° 40,60	18° 08,62	12,5	235,8	2434	2156-2531	5	KP KP -	0,13	1/2	1	Herfeld	
"	"	"	21:05	43,25	18,76	12,5	211,8	2129	2181-2156	2	KP -	0,13	1/2	1	"	
"	"	"	21:36	49,73	24,82	13,5	179,9	484	221-656	2	KP	"	"	"	"	
"	"	"	22:11	55,11	44,20	13,4	225,2	400	"	"	"	"	"	"	"	
"	"	"	22:40	59,39	20° 02,09	13,6	236,4	683	169-844	3	K-P	0,38	"	"	"	
"	"	"	22:54	73° 01,42	20° 10,58	13,6	224,8	3492	281-656	2	KP-	0,13	"	"	"	(Kein d. auf Ausfall v. 3. Stufe MBS, was sehr selten ist → Test mit Sealean ergibt ca. 250m)
"	"	"	23:16	03,81	"	"	"	"	332-1313 ?	"	"	"	"	"	"	
"	"	"	23:16	03,81	24,70	12,4	262,3	1448,0	1313-1682	5	KPK-P	0,25	"	"	"	
"	"	"	23:32	03,87	34,72	12,5	353,4	2073	1315-2150	2	KP	0,00	"	"	"	
"	"	"	23:41	01,84	37,20	11,2	331,8	2105	2156-2531	5	KPK-P	0,13	"	"	"	
6	12/259	5.1.88	00:30	73° 00,14	20° 50,01	13,3	139,1	2517	1944-2719	2	KP - - - -	,38	1/2	1	MACEDO	
6	12/259	5.1.88	01:01	06,39	41,24	11,8	160,7	1855	1594-1969	2	KP - - - -	,38	1/2	1	MACEDO	
6	12/259	5.1.88	01:48	14,43	58,13	13,9	227	1721	728-1313	2	KP - - - -	,25	1/2	1	MACEDO	
6	12/259	5.1.88	02:19	19,49	21° 16,25	13,9	220,2	540	563-938	3	K-P - - - -	,25	1/2	1	MACEDO	
6	12/259	5.1.88	03:46	22,56	33,21	14,0	214,9	732	750-1125	3	K-P - - - -	,00	1/2	1	MACEDO	
6	12/259	5.1.88	03:27	29,72	54,62	13,5	212,6	971	844-1219	2	KP - - - -	,38	1/2	1	MACEDO	
6	12/259	5.1.88	03:52	33,80	22° 08,39	13,6	218,5	792	93-938	3	K-P - - - -	,25	1/2	1	MACEDO	
"	"	"	04:22	38,86	22° 21,22	12,4	141,4	484	181-656	2	KP -	,13	"	"	Colhar	
"	"	"	05:10	44,65	43,86	13,5	726,6	535	"	"	"	"	"	"	"	
"	"	"	05:33	49,41	23° 04,09	13,6	229,1	470	"	"	"	"	"	"	"	
"	"	"	06:00	52,87	72,81	13,5	229,4	480	"	"	"	"	"	"	"	
"	"	"	06:30	57,06	40,98	13,6	732,4	361	"	"	"	"	"	"	"	
"	"	"	06:55	74° 00,30	58,50	13,9	234,4	278	94-469	"	"	,38	"	"	"	
"	"	"	07:33	05,03	24° 24,60	13,6	734,2	466	188-563	"	"	,25	"	"	"	
"	"	"	08:00	08,20	44,20	13,6	237,0	510	"	"	"	"	"	"	"	
6	"	"	08:40	13,86	25° 10,58	13,6	230,0	507	"	"	"	"	"	"	Brehme	



Rolle	Profil	Datum	Zeit	Latitude	Longitude	Speed	Kurs	Tiefe	Bereich	Sweep	Trigger	Delay	sec/Sweep	Pulse	Profil	Bemerkungen
6	12/259	5.1.88	9:00	74° 16, 11'	025° 23, 01'	10,5	207,8	643	88 - 563	2	KP-	0,00	1/2	1	Drehme	
"	"	"	9:40	24, 11	31, 39	13,8	189,8	513,	88 - 563	2	KP-	0,00	1/2	1	Brehme	
"	"	"	10:00	28, 63	35, 74	13,9	189,3	538	"	"	"	"	"	"	"	
"	"	"	10:30	35, 10	41, 35	13,9	189,5	563	"	"	"	"	"	"	"	2
"	"	"	11:00	41, 41	48, 20	13,8	149,7	568	"	"	"	"	"	"	"	"
"	"	"	11:30	47, 11	026° 01, 66	13,7	149,8	504	"	"	"	"	"	"	"	"
"	"	5.1.88	12:00	74° 58, 24	26° 17, 78	13,6	190,2	367,	188 - 563	"	"	0,25	"	"	Coroles	
"	"	"	12:30	74° 59, 53	26° 19, 13	13,7	186,8	316	"	"	"	"	"	"	"	
"	"	"	13:00	75° 05, 97	26° 25, 62	13,8	189,4	360	"	"	"	"	"	"	"	
"	"	"	13:30	75° 12, 38	26° 31, 98	13,7	189,1	413	"	"	"	"	"	"	"	
"	"	"	14:02	75° 19, 06	26° 38, 70	14,3	193,2	409	"	"	"	"	"	"	"	
"	"	"	14:30	75° 25, 40	26° 47, 73	14,1	203,6	219	0-375	2	P	0,00	"	"	"	
"	"	"	15:00	75° 28, 26	26° 59, 83	10,8	211,9	233	"	"	"	"	"	"	"	Profilmende 12/259 (Halley)

"	"	7.1.88	16:10	75° 17, 68	27° 12, 23	13,1	347,1	310	81-469	2	KP	0,38	1/2	1	Herfeld	ab Halley Bay
"	"	"	16:33	12, 98	19, 02	12,8	344,5	316	"	"	"	"	"	"	"	
"	"	"	17:01	10, 14	20, 81	01, 0	277, 1	348	"	"	"	"	"	"	"	Station
"	"	"	17:55	09, 01	19, 96	2, 7	245, 2	343	"	"	"	"	"	"	"	Station Ende.
"	12/261	"	18:03	08, 18	19, 84	8, 4	021, 6	350	"	"	"	"	"	"	"	Profilbeginn
"	"	"	18:50	74° 58, 36	04, 82	13, 6	028, 2	335	"	"	"	"	"	"	"	
"	"	"	19:32	50, 87	47, 48	14, 0	243	285	"	"	"	"	"	"	"	
"	"	"	20:03	45, 05	38, 21	13, 4	23, 3	414	115-750	2	KP	0,00	"	"	Herfeld	
"	"	"	20:31	39, 74	26° 29, 41	13, 5	23, 8	482	"	"	"	"	"	"	Lotter	
"	"	"	21:00	34, 02	19, 90	13, 3	28, 9	495	"	"	"	"	"	"	"	
"	"	"	21:30	27, 93	09, 52	13, 6	24, 2	712	896-1031	3	K-P	,13	"	"	"	
"	"	"	22:10	20, 10	25° 56, 65	13, 7	27, 9	2074	1013-2438	5	KPKP-	,25	"	"	"	



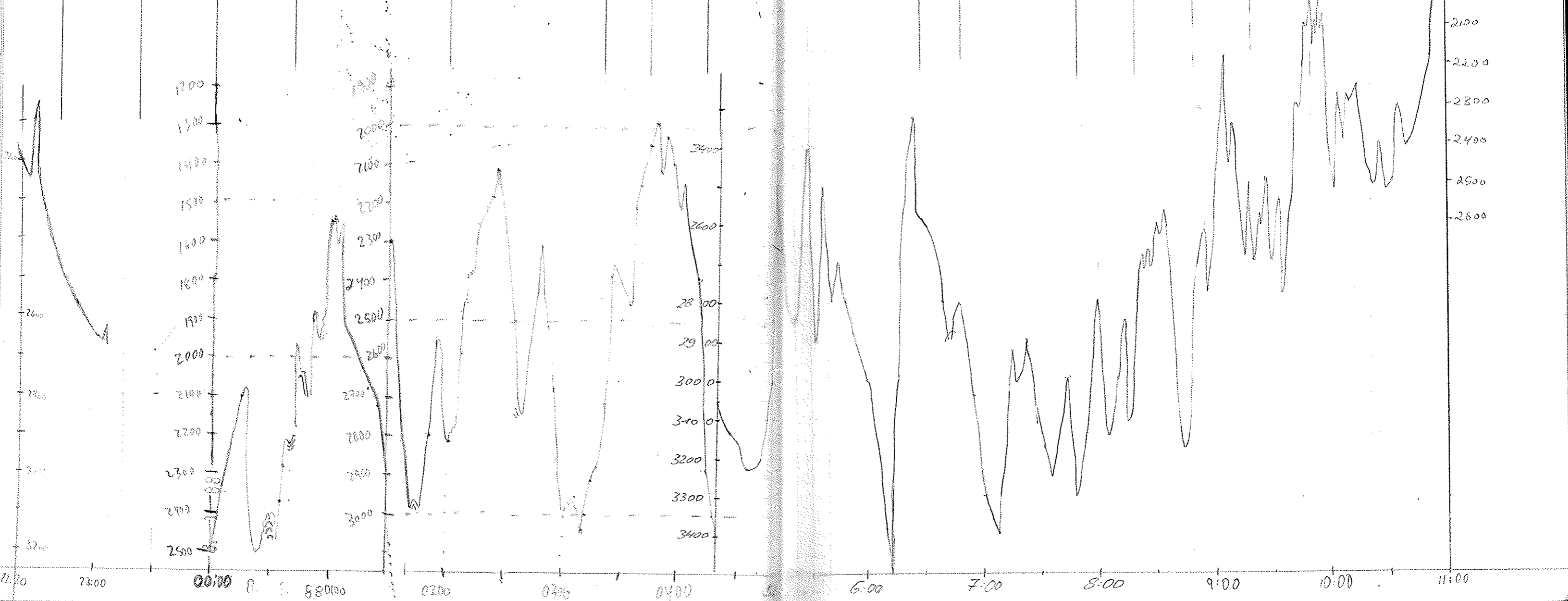
Rolle	Profil	Date	Zeit	Latitude	Longitude	Speed	Urs	Tief	Seid	Sweep	Trigger	Delay	sec/sweep	Pulse	Knecht
6	12/261	7.1.88	22:40	S 74° 13.00	W 25° 44.71	13.6	024.2	2461	2438 - 2813	2	KP	.25	1/2	1	Lotto
6	"	"	23:32	03.43	72.73	9.4	038.8	2683	"	"	"	"	"	"	"
6	"	"	23:52	73° 59.87	20.78	13.0	034.3	2568	"	"	"	"	"	"	"
6	12/262	8.1.88	00:05	73° 57.54	25° 14.01	13.6	42.2	2344	2250 - 2625	5	KPKP	.00	1/2	1	MACO2
6	"	8.1.88	00:40	51.44	24° 56.35	13.5	39.1	2220	2063 - 2438	5	KPKP	.25	1/2	1	MACO2
6	"	8.1.88	01:06	46.89	43.85	13.3	41.9	1615	1406 - 1781	5	KPKP	.25	"	"	"
6	"	8.1.88	01:30	42.81	31.94	13.5	41.6	2324	2063 - 2438	5	KPKP	.25	"	"	"
6	"	8.1.88	02:00	37.64	17.17	13.7	41.1	2683	2344 - 2719	2	KP	.38	"	"	"
6	"	8.1.88	02:30	33.62	01.74	7.0	52.2	(3177) 250	"	"	"	"	"	"	"
6	"	8.1.88	03:00	29.83	23° 52.41	10.8	38.4	2936	2813 - 3188	3	K-P	.25	"	"	"
6	"	8.1.88	03:30	25.51	41.09	10.6	35.2	2500	2250 - 2625	5	KPKP	.00	"	"	"
"	"	"	4:09	20.22	28.46	11.1	34.5	2388	"	"	"	"	"	"	Nied
"	"	"	4:39	17.52	22.76	8.2	44.0	3230	3000 - 3375	3	K-P	"	"	"	"
"	"	"	5:00	16.23	18.13	7.7	68.6	"	2710 - 3034	"	"	.38	"	"	"
"	"	"	5:30	14.32	08.13	10.6	69.3	2430	2344 - 2719	2	KP	.38	"	"	"
"	"	"	6:00	13.01	22° 52.87	13.3	55.0	3000	2813 - 3188	3	K-P	.25	"	"	"
"	"	"	6:32	08.69	45.14	13.6	11.3	2617	2625 - 3000	2	KP	.00	"	"	"
"	"	"	7:00	03.21	31.57	13.4	75.4	3241	3000 - 3375	3	K-P	.00	"	"	"
"	"	"	7:23	01.79	14.43	13.5	78.1	2912	2834 - 2906	2	KP	.73	"	"	"
"	"	"	7:54	00.84	21° 57.74	13.5	86.4	3123	2906 - 3281	3	K-P	.73	"	"	"
"	"	"	8:27	59.41	25.66	11.2	77.0	2708	2605 - 3000	2	KP	.00	"	"	Melles
"	"	"	8:37	58.23	31.22	9.1	86.3	2702	2531 - 2806	2	KP	.13	"	4	"
"	"	"	9:06	57.61	10.37	13.6	75.2	2324	1869 - 2344	5	KPKP	.38	"	"	"
"	"	"	9:28	56.51	20° 24.79	12.9	75.6	3043	2438 - 2813	2	KP	.25	"	"	"
"	"	"	10:15	55.26	22.84	13.6	83.0	2490	2438 - 2813	2	KP	.25	"	"	"

Profilende - 900

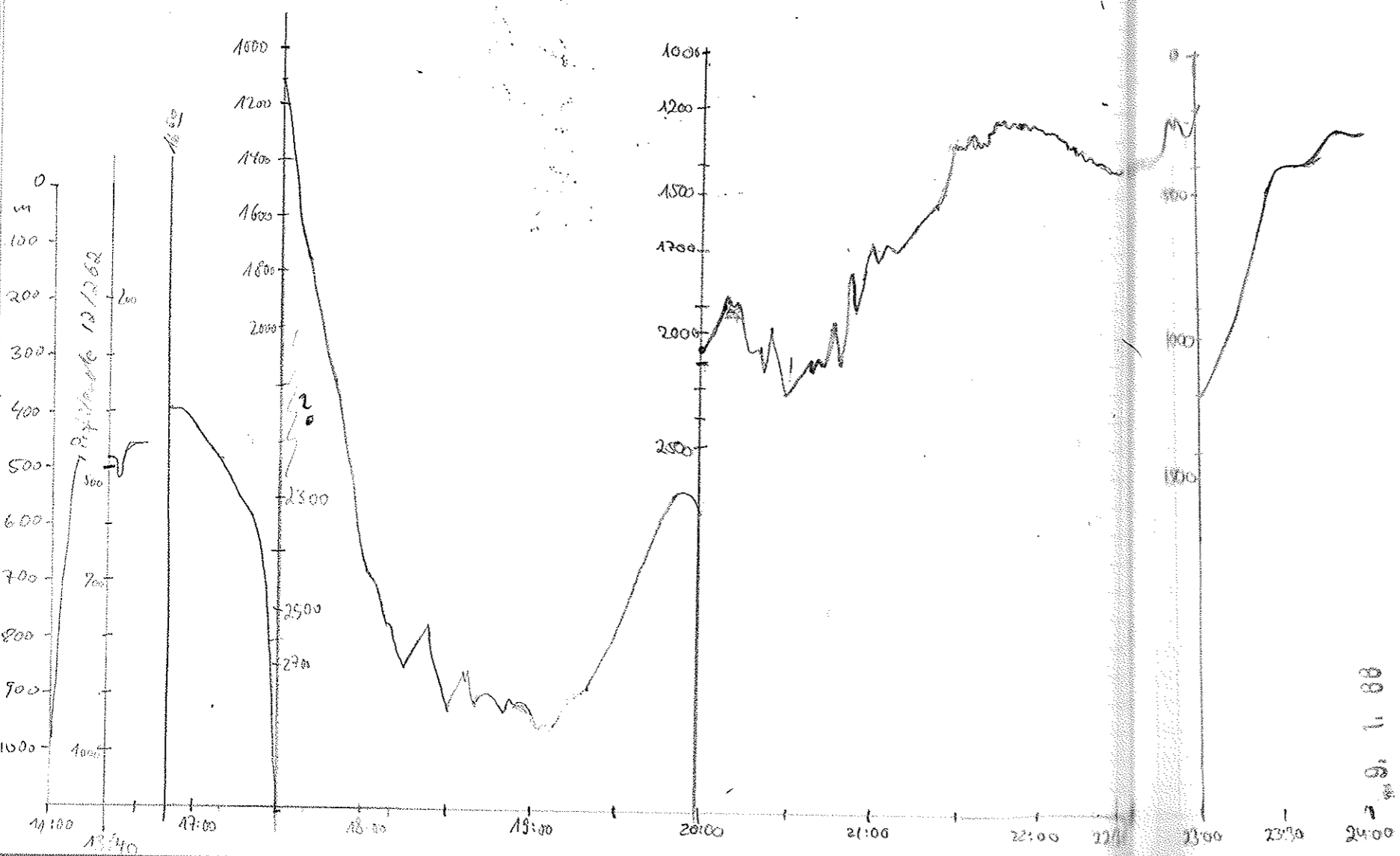
* 0100 Complot paper out, problem putting new paper in 0115 called for help

starke Störungen d. Eis

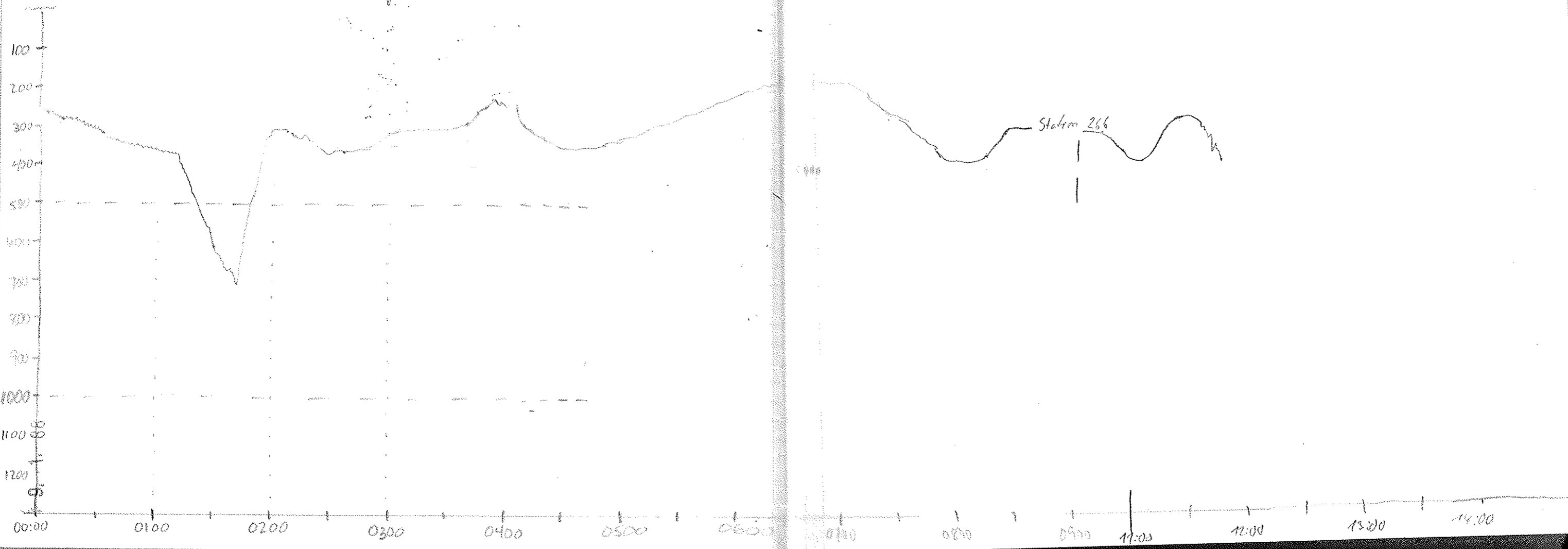
Kurz auf Pulslänge 1 ges. S. altet



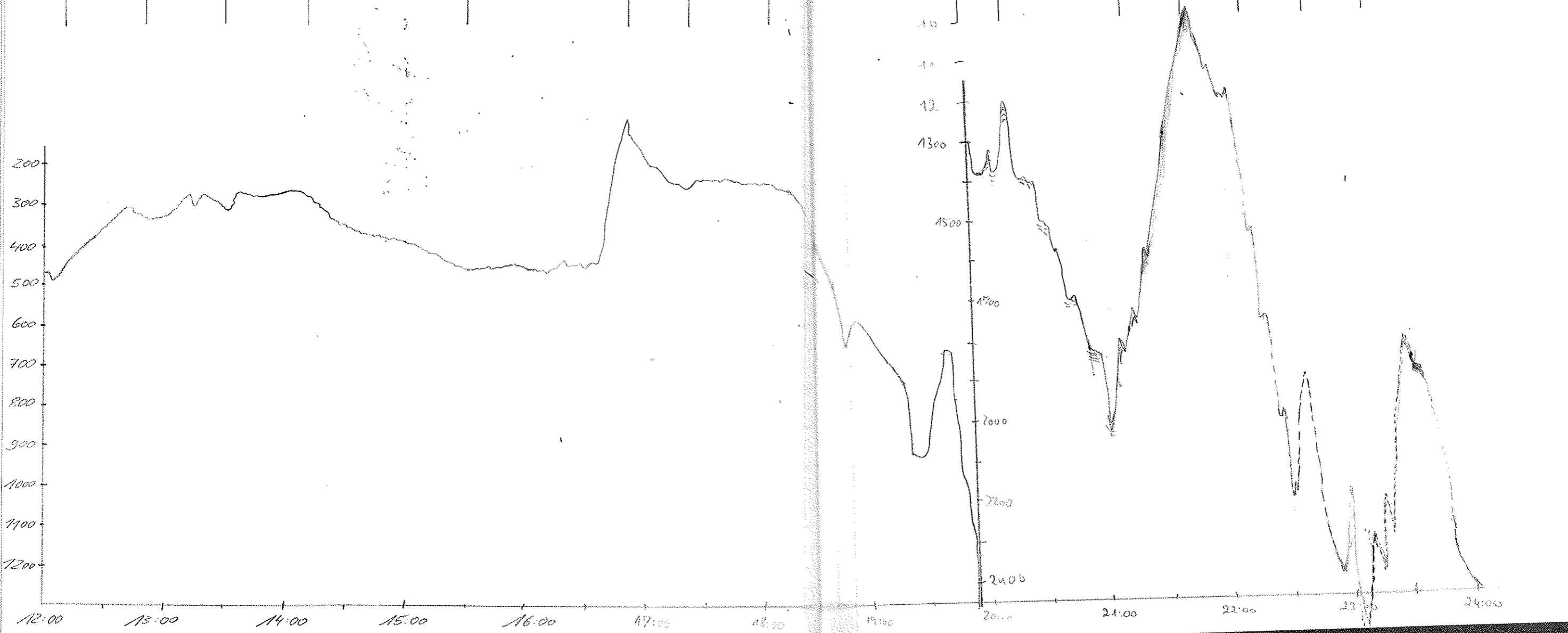
Roll	Profile	Date	Time	Latitude	Longitude	Speed	Heading	Depth	Range	Sweep	Trigger	Delay	sec/ sweep	Pulse	W/K	Remarks
6	12/262	8.1.88	11:03	72° 54.46	19° 47.22	12.2	102.5	650	56-1031	3	K-P----	0.13	1/2	1	Nelles	
6		8.1.88	13:54	72° 54.61	19° 47.59	3.3	57.4	460	75-750	2	KP-	0.00	1/2	1	Lokas	Prof. Ende 12/262 um 11.11 h
6		"	15:09	52.47	31.49	9.1	73.8	677	-	"	-	-	-	"	"	Ende Station 12/265 Anlaufen der Vorantrieb Position
6		"	15:28	51.80	24.64	9.1	90.1	388	-	"	-	.38	-	"	"	Fahrt zum Drescher. Inlet 12/264
6		8.1.88	16:04	72° 54.78	19° 16.43	0.0	11.4	388	94-469	"	-	"	-	"	Tritz	Ju Drescher Inlet 16 th abgestellt
6		8.1.88	16:50	72° 52.73	19° 16.55	6.0	348.9	391	94-469	2	KP-	0.38	"	"	"	16 th Abfahrt Drescher angestellt
7	12/265	8.1.88	17:10	72° 50.12	19° 24.79	8.7	343.6	480	188-563	2	KP-	0.25	"	"	"	Rolle gereinigt
"	"	"	17:30	72° 47.25	19° 24.58	9.4	11.4	1114	1125-1500	2	KP-	0.00	"	"	"	"
"	"	"	18:00	72° 43.06	19° 18.01	9.3	33.6	2422	2250-2625	5	KPKP-	0.00	"	"	"	"
"	"	"	18:30	72° 36.44	19° 13.60	9.2	333.5	2843	2813-3188	3	K-P	0.25	"	"	"	"
"	"	"	19:00	72° 32.45	19° 15.90	8.8	20.1	2865	2625-3000	2	KP	0.00	"	"	"	"
"	"	"	19:30	72° 34.35	19° 02.87	11.4	139.6	2574	2250-2625	5	KPKP-	0.00	"	"	"	"
"	"	"	20:00	72° 34.88	18° 48.27	12.4	73.2	2056	1825-2250	2	KP	0.0	"	"	"	Herfeld
"	"	"	20:08	34.28	43.61	12.4	56.1	1800	1594-1869	2	-	0.34	"	"	"	"
"	"	"	20:25	32.88	34.34	12.6	56.4	2062	1825-2250	2	KP	0.00	"	"	"	"
"	"	"	21:21	25.23	18° 54.18	12.7	56.0	1524	1819-1594	5	KPKP-	0.38	"	"	"	"
"	"	"	21:53	23.88	35.15	12.8	73.1	1257	932-1313	2	KP	.25	"	"	"	"
"	"	"	22:11	21.78	24.27	12.5	55.4	1317	1218-1594	5	KPKP-P	0.34	"	"	"	"
"	"	"	22:54	15.81	16° 56.81	12.7	55.7	1287	"	"	-	"	"	"	"	"
"	"	"	23:03	14.74	01.44	12.5	54.5	1205	844-1213	2	KP	0.28	"	"	"	"
"	"	"	23:17	12.81	44.51	12.6	54.8	856	563-932	3	K-P	0.25	"	"	"	"



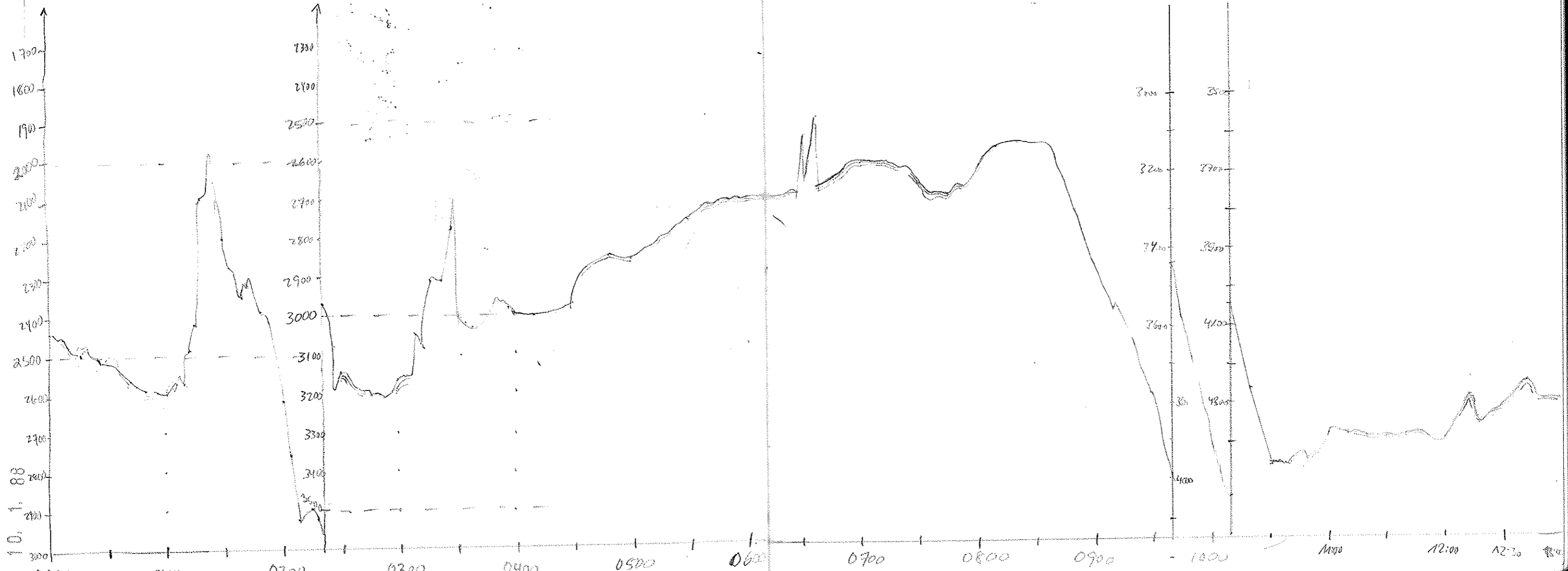
Roll	Profile	Date	Time	Latitude (S)	Longitude (W)	Speed	Heading	Depth	Swaps	Trigger	Delay	Sec/Swap	Pulse	WK	Remarks
7	12/265	88	00:31	72° 01.73	160 06.47	12.6	38.7	3388-563	2	KP	.25	1/2	1	MACEDO	00:27 SEABEAM ON AGAIN
"	"	"	01:00	71° 56.76	150 53.46	12.6	38.8	3888 "	"	"	"	"	"	"	"
"	"	"	01:30	71° 51.48	150 38.20	12.9	45.2	6103-938	3	K-P	.25	"	"	"	"
"	"	"	02:05	71° 43.27	150 20.27	12.3	41.0	314-469	2	KP	.38	"	"	"	"
"	"	"	02:36	71° 41.73	150 05.12	12.5	40.5	3 "	"	"	"	"	"	"	"
"	"	"	03:00	71° 37.89	140 55.78	13.4	41.4	3 "	"	"	"	"	"	"	03:27 SEABEAM OFF (R32)
"	"	"	03:30	71° 32.90	140 41.56	13.4	40.9	3 "	"	"	"	"	"	"	"
"	"	"	03:55	71° 29.79	140 27.33	13.8	42.1	2 "	"	"	"	"	"	"	"
"	"	"	04:25	71 25 54	14 06 69	13.2	05.4	4 175-750	2	KP	0.20	"	"	Schlüter	04:20 SEABEAM ON
"	"	"	04:20	71.25.10	14 06 66	13.4	38.9	28 "	"	"	"	"	"	"	"
"	"	"	04:35	71 24.38	14 06 70	13.6	35.4	3 181-656	2	KP	0.13	"	"	"	"
"	"	"	05:00	71 21.91	13 54 18	13.4	69.4	3 "	"	"	"	"	"	"	"
"	"	"	05:20	71 20.71	13 43 71	13.6	69.0	2 18-563	"	KP	0.25	"	"	"	"
"	"	"	05:30	71 19.67	13 35 16	13.7	70.6	2 "	"	"	"	"	"	"	VU-Meks actual by 10:00 2 rods down?
"	"	"	06:00	71:16:97	13:14:04	13.4	61.3	2 "	"	"	"	"	"	"	See beam off
"	"	"	06:20	71:14:25	13:00:28	10.3	63.7	1 14-469	"	"	.38	"	"	"	"
"	"	"	07:00	71:14:25	12:00:04	6.5	215.9	1 "	"	"	"	"	"	"	"
"	"	"	07:30	71:11:43	12:50:56	12.8	56.5	2 14-465	"	"	"	"	"	"	"
"	"	"	07:47	71:09:05	12:39:21	13.2	71.2	3 181-656	2	KP	.13	"	"	"	"
7	"	"	8:18	71° 9.23'	12° 18.85'	13.3	96.7	36 "	"	"	"	"	"	Kuhn	Profile made Station 12/266
"	"	"	8:27	9.34'	12.92'	10.4	88.9	32 "	"	"	"	"	"	"	"
"	12/267	"	11:00	71° 8.38'	12° 1.87'	13.4	60.3	39 "	"	"	"	"	"	"	"
"	"	"	11:32	4.80'	11° 42.38'	13.3	60.1	29 44-469	2	KP	0.38	"	"	"	"
"	"	"	12:00	1.70'	25.95'	13.7	59.9	47 175-750	"	"	-00	"	"	Nied	"



Roll	Profile	Date	Time	Latitude S	Longitude W	Speed	Heading	Dep. Range	Sweeps	Trigger	Delay	sec/ Sweep	Pulse	WK	Remarks
7	12/267	9.1.87	12:26	70° 58.57	11° 9.83	13.9	56.7	371 - 563	2	KP	.25	1/2	1.	Wied	
"	"	"	13:00	54.55	10° 57.14	13.4	57.6	32 "	"	"	"	"	"	"	
"	"	"	13:32	49.75	36.76	13.5	28.5	30 "	"	"	"	"	"	"	
"	"	"	14:00	43.72	28.06	13.8	34.2	27 "	"	"	"	"	"	"	
"	"	"	14:37	39.37	12.78	13.5	65.8	34 "	"	"	"	"	"	"	
"	"	"	15:00	37.35	9° 54.17	13.7	77.7	39 "	"	"	"	"	"	"	
"	"	"	15:37	36.07	29.50	13.9	75.5	46 "	"	"	"	"	"	"	
"	"	"	16:03	34.53	11.77	13.8	70.4	46 "	"	"	"	"	"	"	
"	"	"	16:30	32.18	8° 55.47	13.7	059.4	43 "	"	"	"	"	"	"	Collier
"	"	"	17:00	29.71	37.95	7.0	059.6	19 375	6	P-	.00	"	"	"	
"	"	"	17:38	29.74	25.84	4.4	182.3	73 44 - 469	"	KP-	.38	"	"	"	Profile begin
"	12/268	"	18:16	28.09	24.81	9.5	022.7	29 "	"	"	"	"	"	"	
"	"	"	18:35	25.64	20.52	9.7	021.2	41 469 - 844	3	K-P-	"	"	"	"	
"	"	"	19:22	21.72	08.82	5.9	022.6	93 144 - 1219	2	KP-	"	"	"	"	
"	"	"	19:45	19.29	06.73	8.7	023.6	91 138 - 1313	2	KP.	.25	"	"	"	
"	"	"	20:35	16.34	20 56.95	8.5	34.4	151 1500 - 1875	5	KPK-P	.00	"	"	"	Herfeld
"	"	"	20:50	70° 14.30	20 54.09	8.1	24.2	18 1781 - 2158	2	KP-	.12	"	"	"	
"	"	"	21:10	11.74	20 50.30	8.8	53.2	17 1406 - 1781	5	KPK-P	.13	"	"	"	
"	"	"	21:29	09.00	20 45.32	9.4	30.3	12 14021 - 1406	2	KP	.13	"	"	"	
"	"	"	22:08	03.68	38.23	4.6	18.1	14 1406 - 1781	5	KPK-P	.13	"	"	"	
"	"	"	22:25	01.30	34.78	8.5	36.4	11 1594 - 1863	2	KP	.28	"	"	"	
"	"	"	22:38	69° 59.48	33.53	8.8	10.2	(23) 1875 - 2250	2	KP	.00	"	"	"	
"	"	"	23:00	56.74	30.53	7.3	40.6	(29) 1875 - 2250	2	KP	"	"	"	"	
"	"	"	23:24	54.55	25.31	8.5	43.7	(23) 1875 - 2250	2	KP	"	"	"	"	

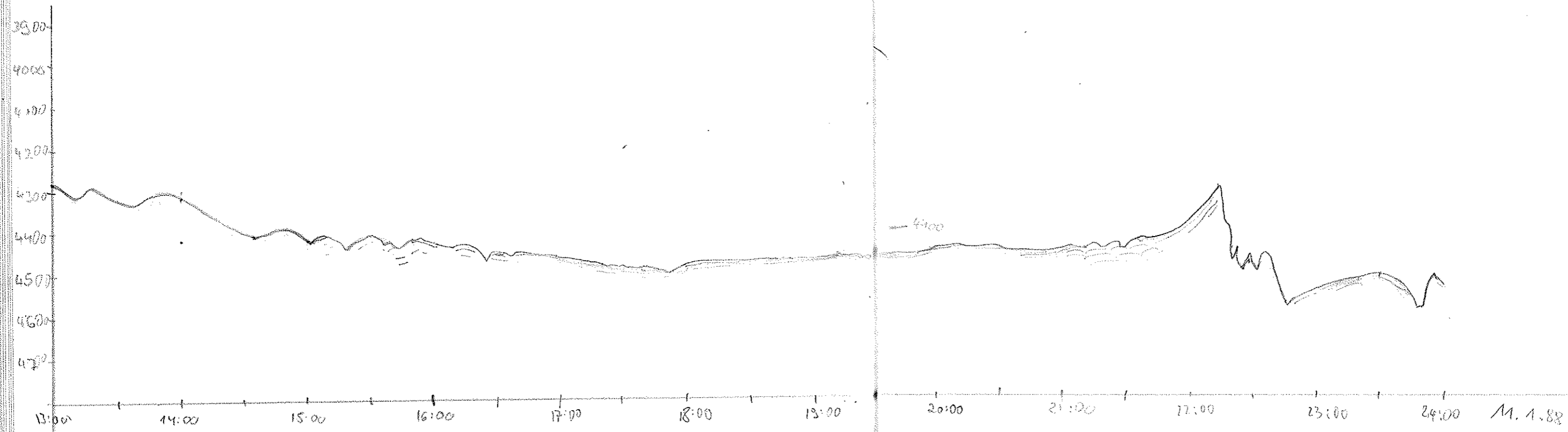


Roll	Profile	Date	Time	Latitude S	Longitude W	Speed	Heading	Depth	Range	Sweep	Trigger	Delay	Sec/Sweep	Pulse	WK	REMARKS
7	12/268	10.1.88	00:20	69° 47.57	07° 17.02	8.2	22.8	2495	2156-2531	5	KPKP	.13	1/2	4	MACEDO	
"	"	"	00:50	45.09	14.43	5.7	26.4	2590	2344-2719	2	KP	.38	"	"	"	
"	"	"	01:21	42.96	11.42	7.2	32.7	2075	1969-2344	5	KPKP	.38	"	"	"	
"	"	"	01:51	38.97	06.18	7.8	21.6	2354	2250-2425	5	KPKP	.00	"	"	"	
"	"	"	02:15	35.72	02.13	9.6	24.3	2920	2813-3188	2	K-P	.25	"	"	"	2:38 Pulse length → 1
"	"	"	02:45	31.26	06° 57.40	9.1	28.6	3211	3094-3469	2	KP	.38	"	"	"	
"	"	"	03:17	21.77	52.10	10.0	18.9	2901	2625-3000	2	KP	.00	"	"	"	3:32 Pulse length → 4
"	"	"	03:57	22.11	48.44	9.2	25.8	2774	2813-3188	3	K-P	.25	"	4	"	4:00 Pulse length → 1
"	"	"	4:30	17.91	44.17	9.5	24.5	2968	"	"	"	"	"	1	Nied	
"	"	"	5:07	13.73	36.00	10.6	24.2	2713	2719-3094	"	"	.38	"	"	"	
"	"	"	5:30	9.27	30.36	8.0	29.6	2758	2537-2906	2	KP	.13	"	"	"	
"	"	"	6:00	4.16	24.48	12.2	19.9	2710	"	"	"	"	"	"	"	
"	"	"	6:36	68° 57.63	16.47	12.6	21.8	2586	"	"	"	"	"	"	"	
"	"	"	7:07	53.39	13.21	8.6	21.5	2618	"	"	"	"	"	"	"	
"	"	"	7:30	49.78	8.82	8.8	25.2	2683	"	"	"	"	"	"	"	
"	"	"	8:00	45.79	3.68	8.5	26.6	2636	"	"	"	"	"	"	"	
"	"	"	8:30	68° 41.78	05° 57.86	9.3	26.5	2580	"	"	"	"	"	"	"	Tritz
"	"	"	9:00	68° 37.66	05° 52.31	9.0	26.4	2891	2625-3000	2	KP	0.00	"	"	"	
"	"	"	9:30	68° 32.57	05° 46.82	8.7	26.1	3227	3000-3375	3	K-P	0.00	"	"	"	
"	"	"	10:00	68° 29.38	05° 42.99	8.7	38.9	3977	3750-4125	3	KP	0.01	"	"	"	
"	"	"	10:30	68° 25.90	05° 34.94	8.7	39.1	4465	4175-4500	2	KP	0.00	"	"	"	
"	"	"	11:00	65° 22.44	05° 26.23	8.6	45.6	4372	"	"	"	"	"	"	"	
"	"	"	11:30	68° 18.92	05° 18.23	9.0	42.5	4364	"	"	"	"	"	"	"	
"	"	"	12:42	68° 09.76	04° 57.12	9.7	32.2	4275	"	"	"	"	"	"	"	Hensfeld



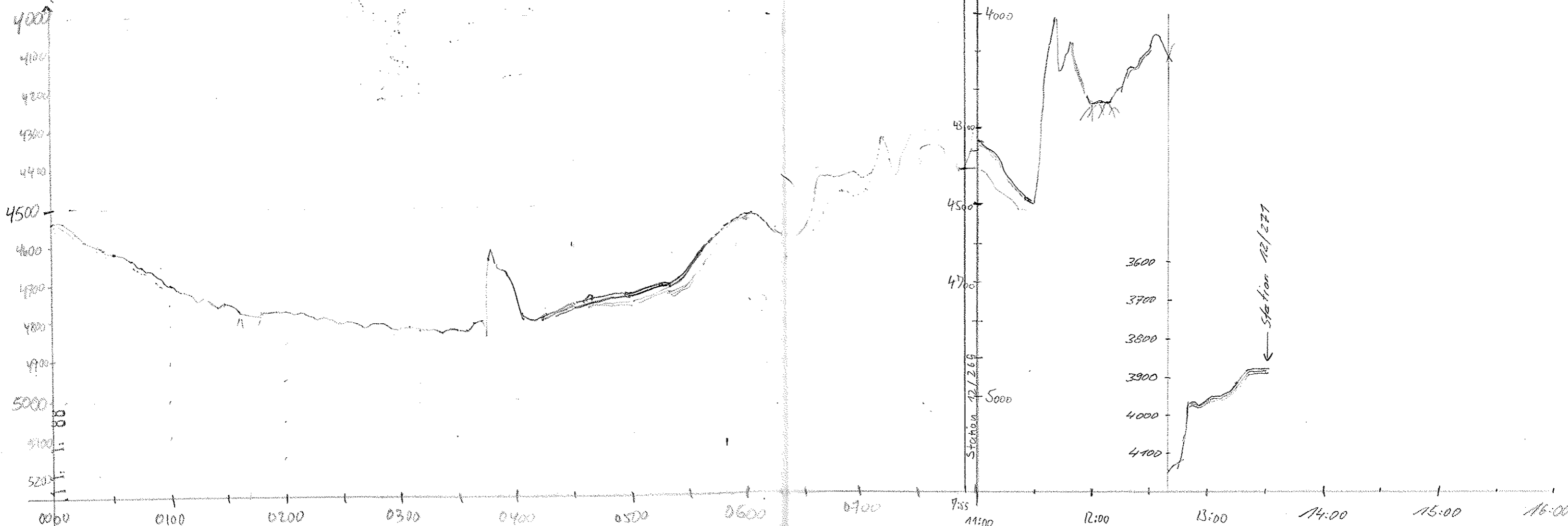
Rolle	Profil-Nr.	Datum	Zeit	Latitude (S)	Longitude (W)	Speed	Heading	Tiefe	Bereich	Stoop	Triggers	Delay	Sec. Stoop	Pulse	Aufpausen
7	121288	10.1.88	13:45	- 68° 02, 81	- 4° 41, 02	12.3	36.2	4302	4125 - 4500	2	KP	0.00	1/2	1	Heisfeld
"	"	"	14:35	- 67° 55, 04	- 4° 28, 22	13.7	38.5	4408	"	"	"	"	"	"	"
"	"	"	15:03	51, 28	- 4° 20, 05	9.5	38.4	4424	4313 - 4688	7	KP-K-P-	0.25	"	"	"
"	"	"	15:54	47, 12	11, 22	8.1	41.3	4437	"	"	"	"	"	"	"
"	"	"	17:06	38, 37	- 3° 53, 30	9.0	38.1	4480	"	"	"	"	"	"	Melles
"	"	"	17:39	34, 67	45, 83	9.3	38.4	4495	"	"	"	"	"	"	"
"	"	"	18:30	28, 18	34, 18	7.6	39.4	4478	"	"	"	"	"	"	"
"	"	"	19:01	27, 18	31, 01	7.6	41.7	4469	"	"	"	"	"	"	"
"	"	"	19:32	23, 75	24, 10	8.8	41.7	4460	"	"	"	"	"	"	"
"	"	"	20:03	20, 59	16, 98	9.2	37.0	4452	"	"	"	"	"	"	"
"	"	"	20:34	17, 26	10, 53	9.8	37.4	4454	"	"	"	"	"	"	Lothar
"	"	"	21:01	14, 14	05, 03	8.4	37.3	4454	"	"	"	"	"	"	"
"	"	"	21:32	10, 81	02° 57, 92	8.8	41.4	4474	"	"	"	"	"	"	"
"	"	"	21:55	08, 46	53, 03	8.4	41.2	4389	"	"	"	"	"	"	"
"	"	"	22:09	06, 94	49, 70	9.2	41.7	4327	4125 - 4500	2	KP-	0.00	"	"	"
"	"	"	22:47	02, 84	41, 63	9.0	35.3	4527	4313 - 4688	7	KP-K-P-	0.25	"	"	"
"	"	"	23:32	66° 57, 87	32, 92	8.0	35.4	4526	"	"	"	"	"	"	"

Rollenwechsel

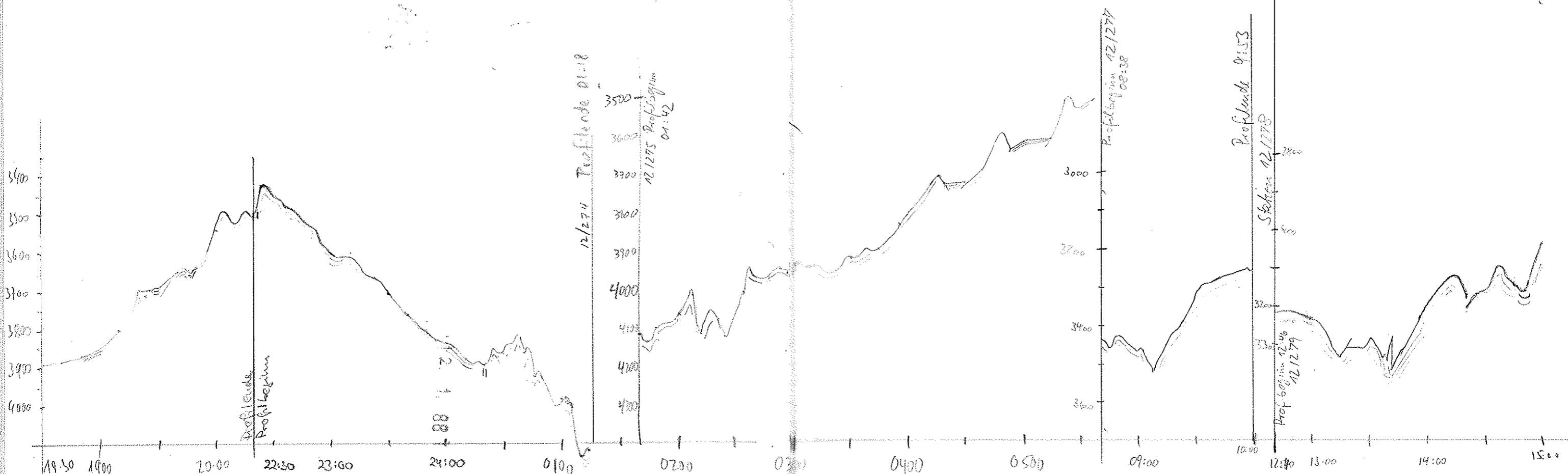


11. 1. 88

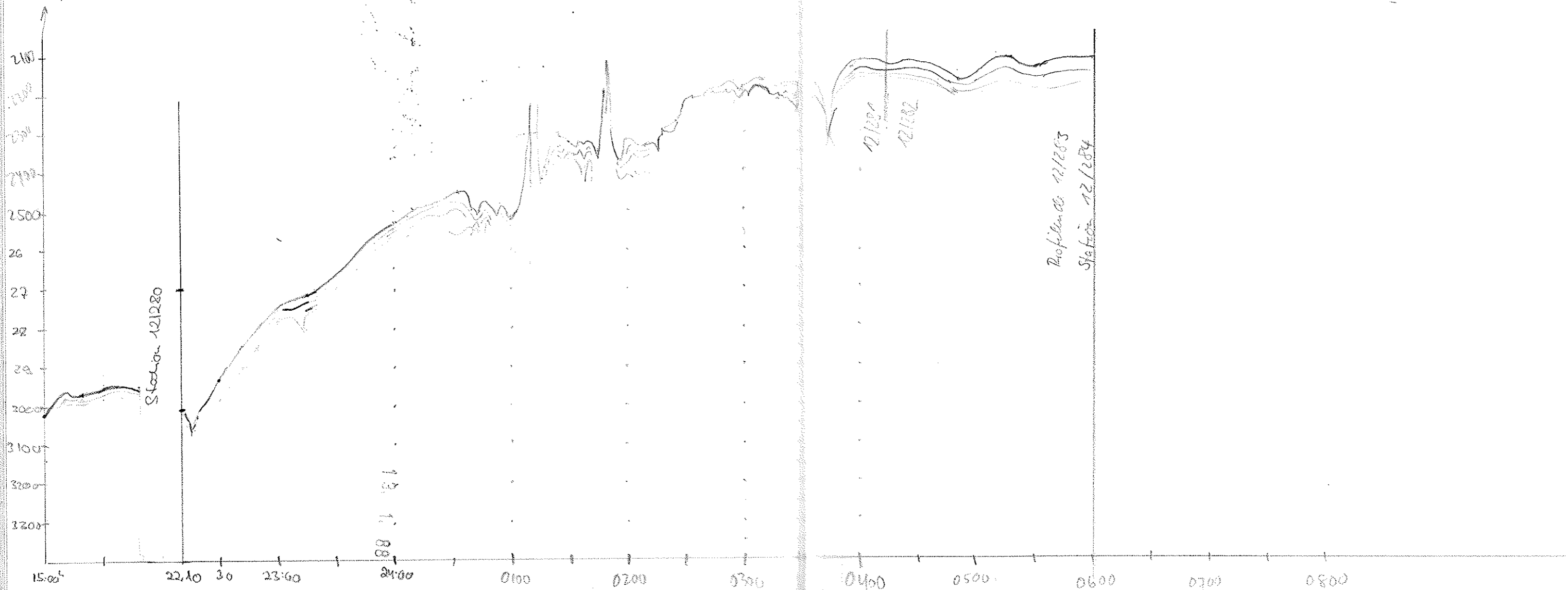
Roll	Profile #	Date	Time GMT	Latitude S	Longitude W	Speed	Heading	Depth	Range	Sweep	Trigger	Delay	Sec/Sweep	Pulse	Aufpasser	Remarks
8	12/268	11.1.88	00:05	66° 53.84	W 02° 23.94	8.7	35.5	4551	4313-4688	7	KP-K-P---	.25	1/2	1	MACEO	
"	"	"	00:38	50.09	16.15	9.2	35.3	4632	"	"	"	"	"	"	"	
"	"	"	01:08	46.64	09.70	8.3	34.9	4720	4500-4875	7	KP-K-P---	.00	"	"	"	
"	"	"	01:36	43.47	04.70	8.6	34.9	4791	"	"	"	"	"	"	"	
"	"	"	02:04	40.70	W 01° 58.68	8.7	37.3	4768	"	"	"	"	"	"	"	
"	"	"	02:35	36.92	51.92	8.8	37.4	4776	"	"	"	"	"	"	"	
"	"	"	03:03	34.01	46.05	7.9	36.8	4837	4688-5063	2	KP---	.25	"	"	"	
"	"	"	03:30	30.57	39.64	8.7	37.1	4823	"	"	"	"	"	"	"	
"	"	"	03:53	28.05	34.73	8.1	36.4	4660	4500-4875	7	KP-K-P---	.00	"	"	"	
"	"	"	04:32	23.11	W 09° 26.49	8.7	37.0	4772	"	"	"	.00	"	"	"	Brodehult
"	"	"	05:00	19.88	20.48	8.5	39.0	4688	"	"	"	.00	"	"	"	"
"	"	"	05:31	16.53	13.57	7.8	42.1	4604	"	"	"	.00	"	"	"	"
"	"	"	06:06	12.95	6.41	8.0	44.0	4533	"	"	"	.00	"	4	"	"
"	"	"	06:34	10.51	1.77	8.1	46.8	4515	4219-4554	"	"	.38	"	4	"	"
"	"	"	07:03	7.42	W 00° 55.09	7.9	34.9	4434	"	"	"	.38	"	"	"	"
"	"	"	07:51	66° 03.40	W 00° 46.86	5.1	52.4	4410	"	"	"	"	"	"	"	Coord
"	"	"	08:30	03.78	49.78	-0.2	70.0	4379	"	"	"	"	"	"	"	Lat
"	12/270	"	09:06	03.56	50.41	5.0	52.2	4376	"	"	"	"	"	"	"	Station 12/269
"	"	"	11:34	01.41	43.04	8.5	53.5	4221	4031-4406	2	KP-	.73	"	"	"	"
"	"	"	12:07	65° 58.62	W 0° 32.50	8.9	49.6	4232	"	"	"	"	"	"	"	Nied
"	"	"	12:40	56.07	24.72	8.7	50.5	4114	"	"	"	"	"	"	"	"
"	"	"	12:48	55.26	21.96	8.2	47.3	3992	3750-4125	3	KP-	.00	"	"	"	"
"	"	"	13:14	52.87	15.23	8.3	47.5	3914	"	"	"	"	"	"	"	"
"	"	"	13:27	52.38	13.58	5.2	57.2	3887	"	"	"	"	"	"	"	Profile 12/270
"	"	"	13:49	52.10	12.99	0.2	304.7	3883	"	"	"	"	"	"	"	Station 12/271



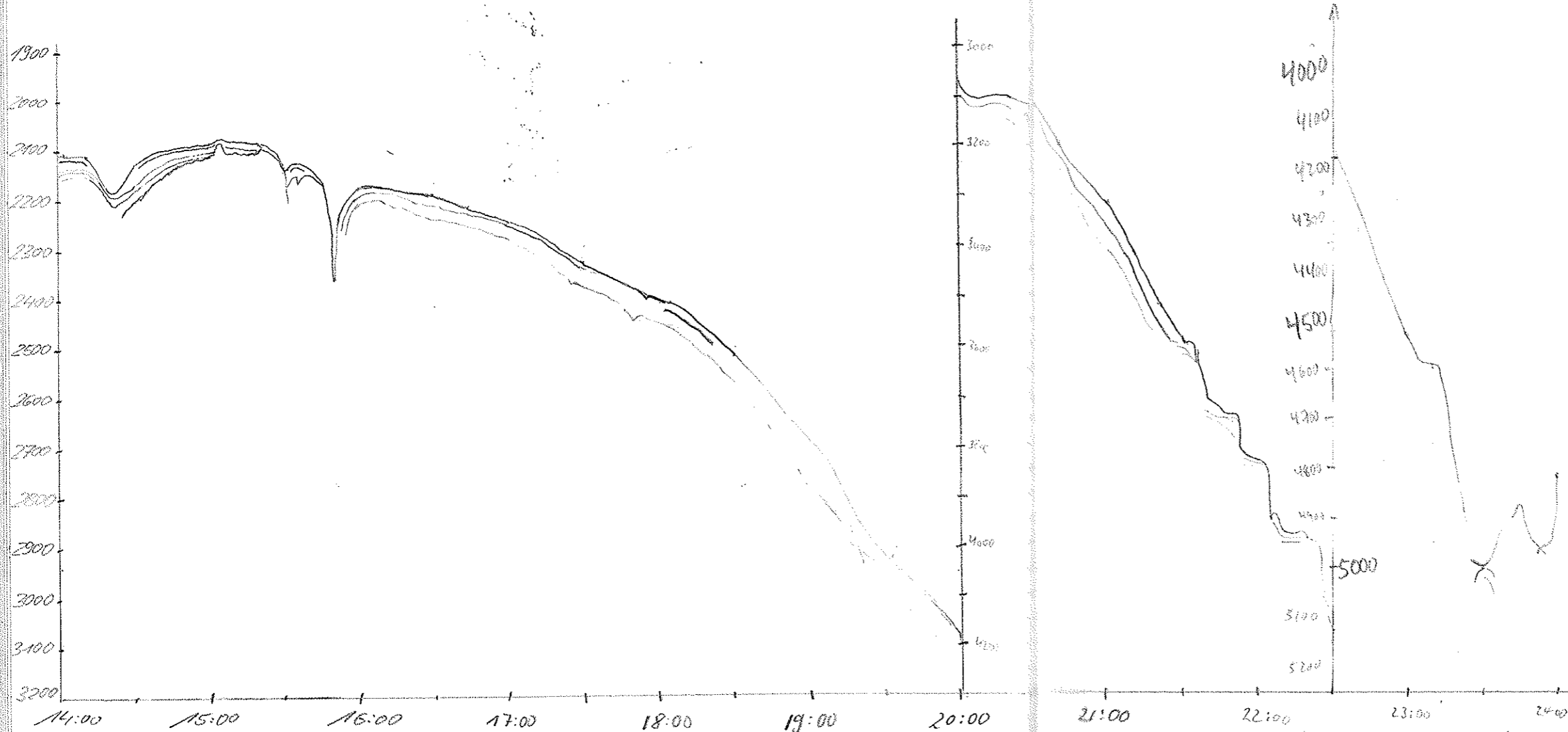
Base	Profile #	Date	Time	Lat	Lon	Speed	Heading	Depth	Range	Swath	Trigger	Delay	Sec/Scan	False Varch	Remarks
8	12/272	11.1.88	18.30	65° 52.54	W 0° 14.44	4	349	3844	3750 - 4165	3	KP -	.00	12	4	Band
"	"	"	19.07	65° 50.22	W 0° 07.52	9.3	052	3855	"	"	"	"	"	"	Beginn Profile 12/272
"	"	"	19.11	65° 44.09	W 0° 04.12	9.4	058	3779	5469 - 3894	4	"	.38	"	"	Profile kann beendet 0520
"	"	"	19.30	65° 47.32	E 0° 01.43	9.5	054	3691	"	"	"	"	"	"	
"	"	"	20.00	65° 55.34	E 0° 10.48	9.8	053	3587	"	"	"	"	"	"	
"	"	"	20.08	65° 43.37	E 0° 14.04	8.4	54.1	3511	2188 - 3563	2	KP	.25	"	"	Henfeld
8	121072	"	20.20	42.00	E 16.65	0.0	248.1	3505	"	"	"	"	"	"	Profilende, Station 121073
"	121274	"	22.23	65° 42.70	E 18.94	8.1	235.9	3448	3281 - 3656	2	KP	.13	"	"	Profilebeginn 121074
"	"	"	22.50	65° 45.92	E 12.30	9.6	233.1	3526	"	"	"	"	"	"	
"	"	"	23.04	65° 47.27	E 0° 08.25	8.2	233.2	3615	3563 - 3838	2	KP -	.25	"	"	
"	"	"	23.30	49.82	E 0° 00.33	8.2	232.1	3901	"	"	"	"	"	"	
"	"	"	23.54	57.18	W 0° 06.59	8.5	238.3	3811	3750 - 4125	3	KP -	.00	"	"	
8	12/274	12.1.88	00:31	65° 55.63	W 0° 18.08	9.1	222.7	3850	"	"	"	"	"	"	Macedo
"	"	"	01:00	65° 58.64	0° 25.86	9.3	229.9	4058	"	"	"	"	"	"	
"	"	"	01:18	66° 00.42	0° 31.45	9.5	228.7	4119	4031 - 4406	2	KP - - - -	.13	"	"	Profile ends, 12/274
"	12/275	"	01:43	65° 58.12	0° 36.08	8.7	18.0	4132	"	"	"	"	"	"	Profile begins, 12/275
"	"	"	02:02	65° 56.37	0° 30.59	8.9	50.7	4025	3750 - 4125	3	KP - - - -	.00	"	"	
"	"	"	02:37	65° 53.83	0° 22.56	7.4	47.7	3994	3938 - 4313	2	KP - - - -	.25	"	"	
"	"	"	03:01	65° 51.89	0° 17.10	7.3	46.9	3956	3841 - 4219	2	KP - - - -	.38	"	"	
"	"	"	03:31	65° 49.67	0° 10.37	7.1	46.7	3918	"	"	"	"	"	"	
"	"	"	4:14	46.29	0° 0.41	6.7	50.7	3716	3563 - 3938	3	KP -	.25	"	4	Nied
"	"	"	4:36	44.66	E 0° 4.64	6.9	45.9	3724	"	"	"	"	"	"	
"	"	"	5:01	42.73	10.19	7.2	52.2	3619	2375 - 3750	2	KP	.00	"	"	5:19 Profilende
"	"	"	5:34	42.28	17.49	2.7	219.3	3494	"	"	"	"	"	"	Station 12/276 6:15
"	12/277	"	8:38	42.61	19.57	2.7	332.3	3470	"	"	"	"	"	"	Lohas
"	"	"	9:02	39.78	24.19	9.8	029.9	3460	3488 - 3563	"	"	.25	"	"	
"	"	"	9:53	32.88	35.30	8.8	037.7	3266	"	"	"	"	"	"	Profilende
"	12/279	"	12:46	32.76	38.59	6.3	029.8	3273	"	"	"	"	"	"	Profilebeginn
"	"	"	13:47	24.72	49.86	9.8	025.0	3372	"	"	"	"	"	"	INDAS-Daten sind nicht zu genießen!
"	"	"	14:04	22.20	52.28	9.4	24.4	3182	2306 - 3281	3	K-P	0.13	"	"	13:30 Indas ok again
"	"	"	14:45	16.67	10 01.68	8.4	27.1	3102	"	"	"	"	"	"	Henfeld



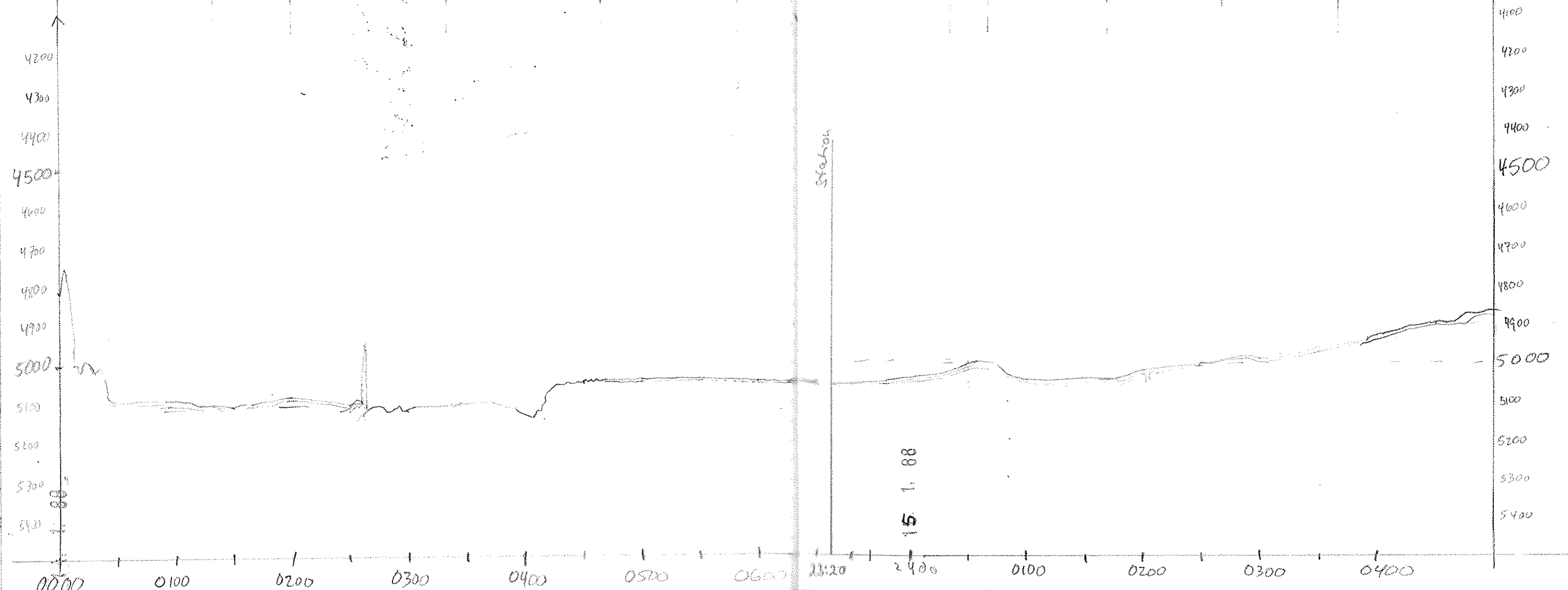
Roll	Profile	Date	Time	Lat	Lon	Speed	Heading	Depth	Range	Sweep	Trigger	Delay	sec/sweep	Pulse	W/K	Remarks
7	121278	12.1.88	15.20	S 65° 11,85	E 1° 08,61	8.4	36.4	2865	2806-3281	3	K-P	0.13	1/2	4	Neu Feld	
"	"	"	15.31	10,61	10,50	8.5	34.6	2845	2918-3084	3	K-P	0.38	1/2	"	"	
"	"	"	15.37	08,81	11,30	7.0	34.8	2854	"	"	"	"	"	"	"	Profile ends / Station 121280
"	1280	"	15.43	08,41	12,28	-0.1	292.3	2866	"	"	"	"	"	"	"	(Start abgelesen)
"	1280	"	20.30	07,42	15,75	-4.2	289.4	2866	2806-3281	3	K-P	0.13	"	"	"	(auf Station)
"	1281	"	22.10	08,07	12,36	0.	306.1	3533	"	"	"	"	"	"	"	
"	121281	"	22.29	06,63	10 18,35	8.8	55.2	2822	2625-2000	2	K-P	0.00	"	"	"	
"	"	"	23.13	02,87	34,28	9.8	48.9	2717	"	"	"	"	"	"	"	
"	"	"	23.26	01,72	38,05	8.8	45.7	2654	2344-2718	2	K-P	0.28	"	"	"	
8	12/281	13.1.88	00.32	S 64° 54.40	E 01° 57.33	10.1	49.9	2468	2344-2719	2	K-P	0.38	1/2	4	MARCO	
"	"	"	01.00	64° 51.50	02° 06.19	9.7	51.9	2511	"	"	"	"	"	1	"	
"	"	"	01.31	64° 48.26	02° 15.65	10.0	48.4	2343	2063-2438	5	K/P	0.25	"	4	"	
"	"	"	02.00	64° 45.07	02° 24.78	9.8	49.8	2323	"	"	"	"	"	"	"	
"	"	"	02.30	64° 42.03	02° 33.77	10.1	51.2	2245	"	"	"	"	"	"	"	
"	"	"	03.03	64° 38.56	02° 44.19	10.2	48.0	2162	"	"	"	"	"	"	"	
"	"	"	03.30	64° 35.68	02° 52.48	9.9	49.6	2159	"	"	"	"	"	"	"	
"	"	"	04.08	34.52	E 03° 04.40	9.9	48.7	2113	1969-2344	"	"	0.38	"	"	"	Letter
"	121282	"	04.15	34.10	06.41	8.2	140.2	2140	"	"	"	"	"	"	"	Ende Profil 12/281, Start 12/282
"	"	"	04.50	33.52	01.56	5.8	320.6	2149	"	"	"	"	"	"	"	Ende 12/282
"	121283	"	05.25	30.47	03.58	10.0	049.6	2150	"	"	"	"	"	"	"	Start Profil 12/283 05:09
"	"	"	05.31	30.28	05.67	8.1	140.1	2159	"	"	"	"	"	"	"	Ende Profil " 05:29
"	"	"	12:09	31.54	E 03° 04.82	0.2	265	2112	"	"	"	"	"	"	"	Nied Rolle gewechselt



Roll	Profile	Date	Time	Lat	Lon	Speed	Heading	Depth	Range	Sweep	Trigger	Delay	sec/sweep	Pulse	WR	Remarks
9	12/284	13.1.88	12:20	564° 31.53	E 3° 05.39	0.2	227.3	2112	1969 - 2344	5	KPKP-	.38	1/2	1.	Nied	Start mit Rolle #9
"	12/285	"	13:59	32.32	E 3° 01.75	6.9	266.7	2110	"	"	"	"	"	"	"	Profilbeginn
"	"	"	14:32	32.25	2° 50.46	8.5	260.0	2125	"	"	"	"	"	"	"	"
"	"	"	15:00	32.87	41.30	9.1	257.5	2084	"	"	"	"	"	"	"	"
"	"	"	15:30	33.39	39.84	8.5	255.2	2125	"	"	"	"	"	"	"	"
"	"	"	15:57	33.98	25.13	7.8	255.6	2250	2250 - 2625	"	"	.00	"	"	"	"
"	"	"	15:52	34.03	24.67	8.4	255.2	2240	1969 - 2344	"	"	.38	"	"	"	"
"	"	"	16:06	34.42	19.66	9.2	260.6	2157	"	"	"	"	"	"	"	Brod.
"	"	"	16:30	34.83	11.95	9.0	260.9	2189	"	"	"	"	"	"	"	"
"	"	"	17:01	35.54	1.53	8.8	240.6	2256	"	"	"	"	"	"	"	"
"	"	"	17:13	35.90	1° 58.84	9.0	258.9	2299	2250 + 2625	"	"	.00	"	"	"	"
"	"	"	17:30	36.25	1° 50.88	9.2	256.4	2335	"	"	"	"	"	"	"	"
"	"	"	18:00	37.14	40.27	9.8	253.8	2414	"	"	"	"	"	"	"	"
"	"	"	18:30	38.10	29.69	9.0	258.8	2557	"	"	"	"	"	"	"	"
"	"	"	18:39	38.09	26.36	9.6	255.1	2582	2531 - 2906	2	KP - - -	.13	"	"	"	"
"	"	"	19:01	38.76	18.53	9.3	254.4	2711	"	"	"	"	"	"	"	"
"	"	"	19:28	39.87	9.54	9.5	260.1	2871	2813 - 3188	3	K-P - - -	.23	"	4	"	"
"	"	"	20:00	40.48	E 0° 57.64	9.6	260.0	3109	"	"	"	"	"	"	"	Lolhas
"	"	"	20:20	40.90	50.60	9.7	260.0	3125	2906 - 3281	4	"	0.13	"	1	"	Datenausfall ab 20:10, Schreibband
"	"	"	20:47	41.60	41.20	9.7	258.0	3235	3188 - 3563	2	KP -	.25	"	4	"	genutzt
"	"	"	21:25	42.70	27.20	9.7	258.0	3536	3469 - 3844	3	KP -	.38	"	"	"	"
"	"	"	21:54	43.17	16.30	10.1	264.0	3806	3750 - 4125	3	KP -	.00	"	"	"	"
"	"	"	22:30	44.21	02.41	9.9	261.0	4171	4030 - 4406	2	KP - - -	.13	"	"	"	MACEO
"	"	"	23:00	44.88	W 0° 09.20	10.1	261.3	4540	4406 - 4781	7	KP-K-P - -	.13	"	"	"	"
"	"	"	23:34	45.77	22.48	9.8	258.1	4995	4688 - 5063	2	KP - - -	.25	"	"	"	"
"	"	14.1.88	00:00	46.19	32.26	10.0	258.2	4940	"	"	"	"	"	"	"	"



Roll	Profile	Date	Time	Latitude	Longitude	Speed	Heading	Depth	Range	Sweeps	Trigger	Delay	sec/sw	Pulse	WK	Remarks
9	12/285	14-1-88	00:30	S 64° 47.38	W 0° 43.92	10.3	259.1	5087	4769-5344	5	KPR-P--	.38	1/2	1	MACEBO	
"	"	"	01:00	48.16	55.46	10.2	259.3	5090	"	"	"	"	"	"	"	
"	"	"	01:31	48.99	1° 07.44	10.1	258.4	5113	"	"	"	"	"	"	"	
"	"	"	02:00	49.83	18.48	10.0	258.4	5076	"	"	"	"	"	"	"	
"	"	"	02:36	50.76	32.12	9.4	259.7	5120	"	"	"	"	"	"	"	
"	"	"	03:00	51.25	41.88	7.8	256.4	5091	"	"	"	"	"	"	"	
"	"	"	03:57	52.56	57.60	7.5	256.0	5115	"	"	"	"	"	"	"	
"	"	"	04:30	53.20	W 2° 6.84	6.8	258.4	5049	"	"	"	"	"	"	"	Nied
"	"	"	05:00	53.82	2° 15.57	4.6	260.0	5042	"	"	"	"	"	"	"	
"	"	"	05:30	54.35	2° 21.04	4.0	267.3	5047	"	"	"	"	"	"	"	
"	"	"	06:00	54.72	26.27	4.8	267.4	5044	"	"	"	"	"	"	"	
"	"	"	6:27	54.86	31.35	6.4	265.4	5057	"	"	"	"	"	"	"	Profile ends, St. 72/286 6:34
	12/288	"	23:20	S 64° 52.46	W 2° 38.38	4.9	189.8	5056	"	"	"	"	"	"	"	Herford
9	12/288	15-1-88	00:30	65° 01.55	W 2° 44.17	9.3	195.2	5004	4781-5156	2	KP--	.13	"	"	MACEBO	Profile begins
"	"	"	01:05	06.37	48.86	9.8	195.0	5046	"	"	"	"	"	"	"	
"	"	"	01:36	10.75	51.93	9.8	195.2	5046	"	"	"	"	"	"	"	
"	"	"	02:01	14.27	54.31	9.8	195.2	5022	"	"	"	"	"	"	"	
"	"	"	02:32	18.61	57.77	9.8	195.6	5007	"	"	"	"	"	"	"	
"	"	"	03:01	22.78	3° 00.82	9.8	194.7	4984	"	"	"	"	"	"	"	
"	"	"	03:30	27.02	04.01	9.5	194.6	4957	"	"	"	"	"	"	"	
"	"	"	04:30	35.93	10.84	9.5	194.4	4901	"	"	"	"	"	"	"	Keller
"	"	"	05:00	40.63	14.30	9.6	195.0	4881	"	"	"	"	"	"	"	

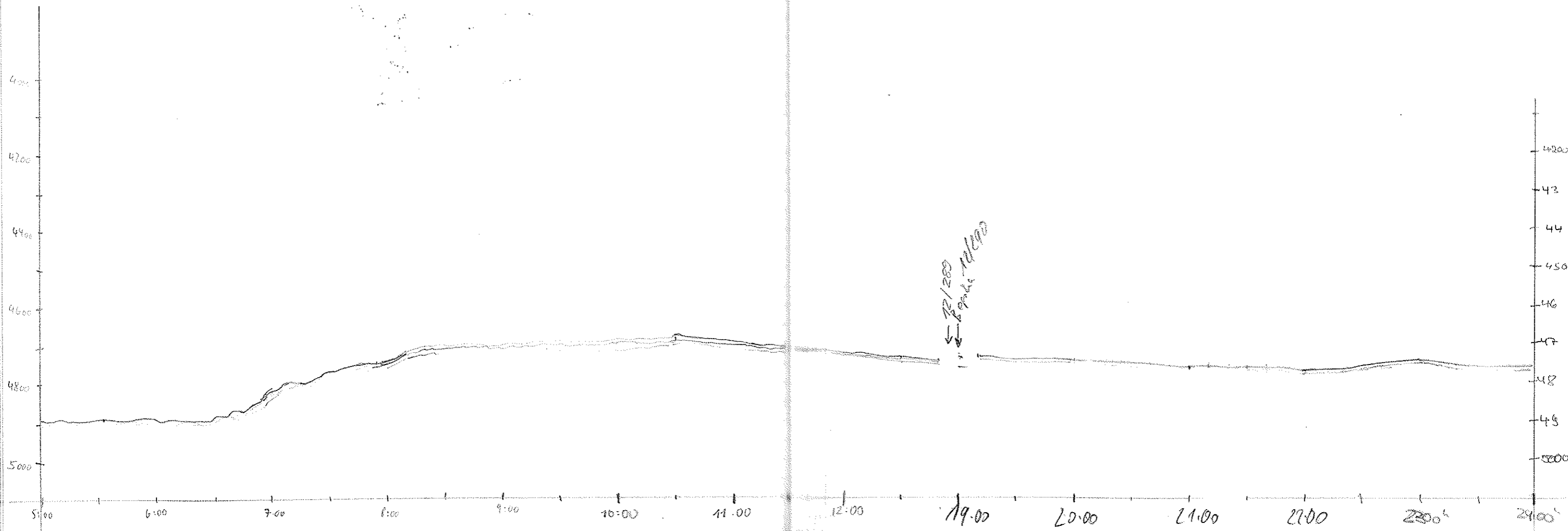


Roller	Profil	Datum	Time	Lat	Long	Speed	Hdg	Tiefe	Reisid	Sw	Tragger	Delay	sec/sw	Pls Lgh	Eyo	Bunhg
9	12/288	15.1.88	05:30	S 65° 45.30	W 3° 17.60	9.8	193.3	4884	4781 - 5156	2	KP-	.13	1/2	1	Kollas	
9	"	"	06:30	54.70	25.00	9.5	197.0	4864	"	4	"	"	"	"	"	
"	"	"	07:20	66° 02.43	30.86	9.8	196.8	4784	4500 - 4875	7	KP-K-P-	.00	"	"	"	
"	"	"	08:08	09.73	36.86	9.4	200	4728	"	"	"	"	"	"	Tbroct.	
"	"	"	09:12	19.04	45.51	9.5	200.2	4684	"	"	"	"	"	"	Kollas	Schreibriemen gewechselt
"	"	"	10:30	30.60	55.70	9.5	199	4615	"	"	"	"	"	"	"	
"	"	"	11:10	36.24	4° 01.38	9.7	199	4701	"	"	"	"	"	"	Tbroct	
"	"	"	11:55	43.55	07.71	9.7	200.4	4722	"	"	"	"	"	"	"	
"	"	"	12:30	48.22	11.89	4.5	197.8	4735	"	"	"	"	"	"	"	
4	12/290	15.1.88	19.11	66° 50.31	4° 10.22	8.1	198.0	4726	4500 - 4875	7	KP-K-P-	.00	1/2	1	Nied	12:45 Profilende
"	"	"	20.00	66° 57.80	4° 18.04	9.8	201	4738	"	"	"	"	"	"	Bernd	19.11 Profilsgr
"	"	"	20:30	67° 02.30	4° 24.47	10.2	200.8	4744	"	"	"	"	"	"	"	
"	"	"	21:06	07.70	30.34	10.1	194.7	4757	"	"	"	"	"	"	"	
"	"	"	21:31	11.57	33.62	9.8	194.9	4756	"	"	"	"	"	"	"	
"	"	"	22:00	16.03	37.26	9.4	194.8	4765	"	"	"	"	"	"	"	
"	"	"	22:38	22.17	42.74	10.0	196.6	4758	"	"	"	"	"	"	"	
"	"	"	23:00	26.74	45.83	10.0	195.9	4748	"	"	"	"	"	"	"	
"	"	"	23:32	30.83	50.20	10.0	196.1	4749	"	"	"	"	"	"	"	

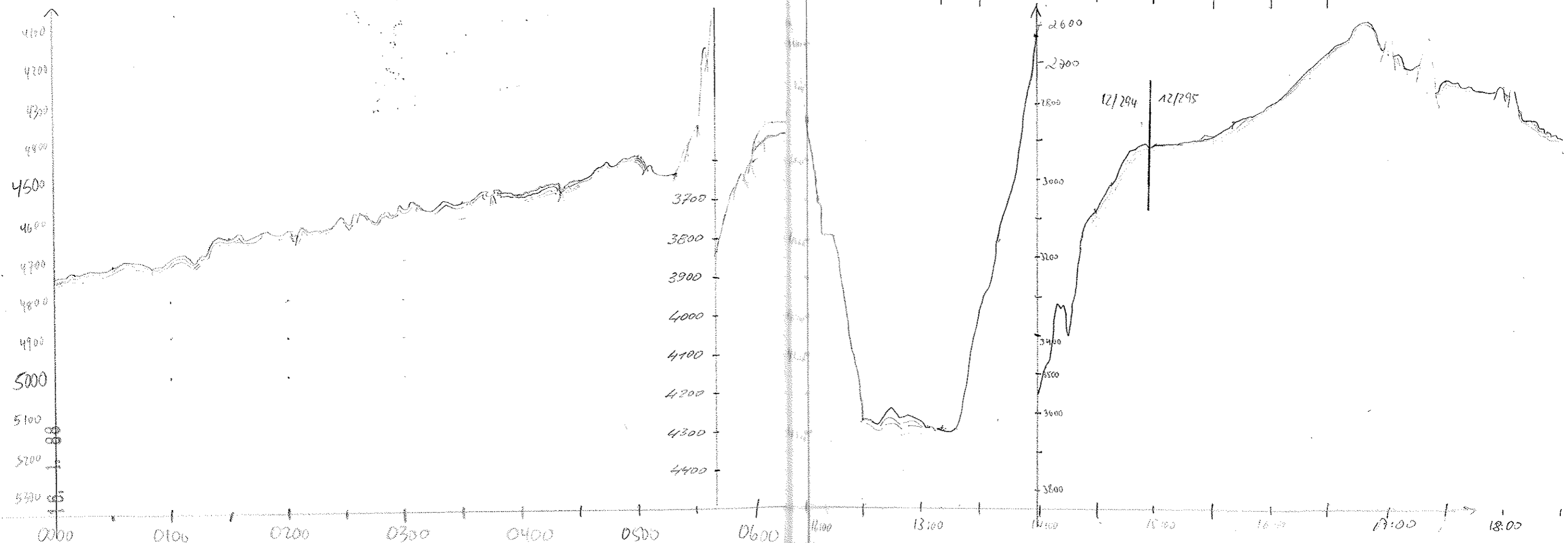
Schreibriemen gewechselt

12:45 Profilende
19.11 Profilsgr

2400

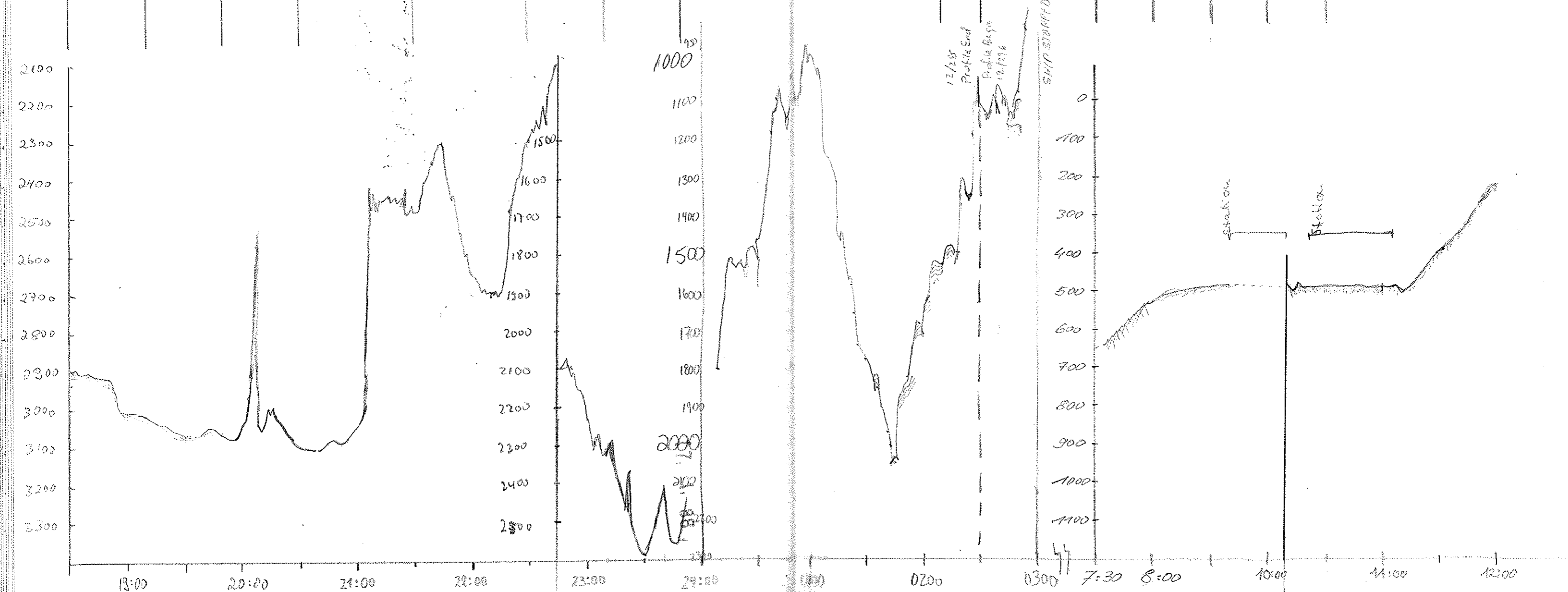


Roll	Profile	Date	Time	Latitude	Longitude	Speed	Heading	Depth	Range	Sweeps	Trigger	Delay	Sec/sw	Pulse length	JOHN HANCOCK	REMARKS
9	12/290	16.1.88	00:05	S 67° 35.89	W 04° 54.49	9.8	195.9	4736	4500 - 4875	7	KP-K-P	.00	"	1	MACEBO	
"	"	"	00:31	40.03	58.25	10.1	195.8	4708	"	"	"	"	"	"	"	
"	"	"	01:01	44.84	05° 02.29	10.3	198.3	4670	"	"	"	"	"	"	"	
"	"	"	01:33	49.99	07.26	10.2	198.6	4638	"	"	"	"	"	"	"	
"	"	"	02:01	54.03	11.68	10.1	194.6	4626	"	"	"	"	"	"	"	
"	"	"	02:30	58.50	15.33	10.0	195.9	4598	"	"	"	"	"	"	"	
"	"	"	03:02	68° 03.94	20.16	10.3	198.1	4569	"	"	"	"	"	"	"	
"	"	"	03:32	08.16	24.98	10.2	192.6	4550	4313 - 4688	"	"	.25	"	"	"	
"	"	"	4:30	17.28	32.66	10.4	195.0	4405	"	"	"	"	"	"	"	Nied
"	"	"	5:00	22.06	37.02	10.3	193.6	4437	"	"	"	"	"	"	"	
"	"	"	5:32	27.15	42.35	10.2	197.9	4362	4037 - 4406	2	KP	.73	"	"	"	
"	"	"	5:43	28.95	43.69	10.0	194.6	3888	3563 - 3938	3	KP-	.25	"	"	"	
"	"	"	5:58	31.37	45.45	8.9	196.6	3599	3287 - 3656	2	KP	.73	"	"	"	
"	"	"	6:05	32.00	46.32	4.2	205.0	3578	"	"	"	"	"	"	"	Profunde, 6:15 Stationen
"	12/282	"	11:50	68° 31.51	05° 45.27	1.1	102.3	3542	"	"	"	"	"	"	"	Prof. bogium 11:52° plus 25° 10h " " " " " " " " " " " "
"	"	"	12:06	68° 29.78	5° 43.43	9.5	20.0	3857	3750 - 4175	3	KP-	.00	"	1	Collas	
"	"	"	12:48	22.97	37.00	10.1	13.6	4461	4125 - 4500	2	KP-	.00	"	"	"	Profunde
"	12/293	"	13:03	22.96	37.73	9.4	195.6	4461	"	"	"	"	"	"	"	Prof. aufang 12/293
"	"	"	13:20	27.40	41.60	10.0	195	4127	3750 - 4125	2	"	"	"	"	"	
"	12/294	"	14:04	37.96	45.90	10	199	-3785	3375 - 3750	2	"	"	"	"	"	Profunde 12/293, aufang 12/294
"	"	"	14:24	33.70	55.60	10	240	3163	2906 - 3281	3	K-P	.13	"	4	"	
"	12/295	"	14:54	36.10	6° 07.05	10	230	2948	"	"	"	"	"	"	"	Profunde 12/294 start 12/295
"	"	"	15:50	44.26	16.58	10	195	2843	2625 - 3000	2	KP-	.00	"	1	"	
"	"	"	16:30	68° 50.40	6° 22.67	9.8	194.8	2677	2625 - 3000	2	KP-	.00	"	1	Melias	
"	"	"	17:05	55.50	27.67	9.8	195.1	2699	"	2	KP-	.00	"	4	"	
"	"	"	17:35	69° 00.10	6° 32.48	9.9	196.3	2759	"	"	"	"	"	"	Cordes	
"	"	"	18:00	03.91	36.48	9.8	196.0	2809	"	"	"	"	"	"	Cordes	
"	"	"	18:30	08.61	41.48	10.1	197.5	2830	"	"	"	"	"	"	Melias	

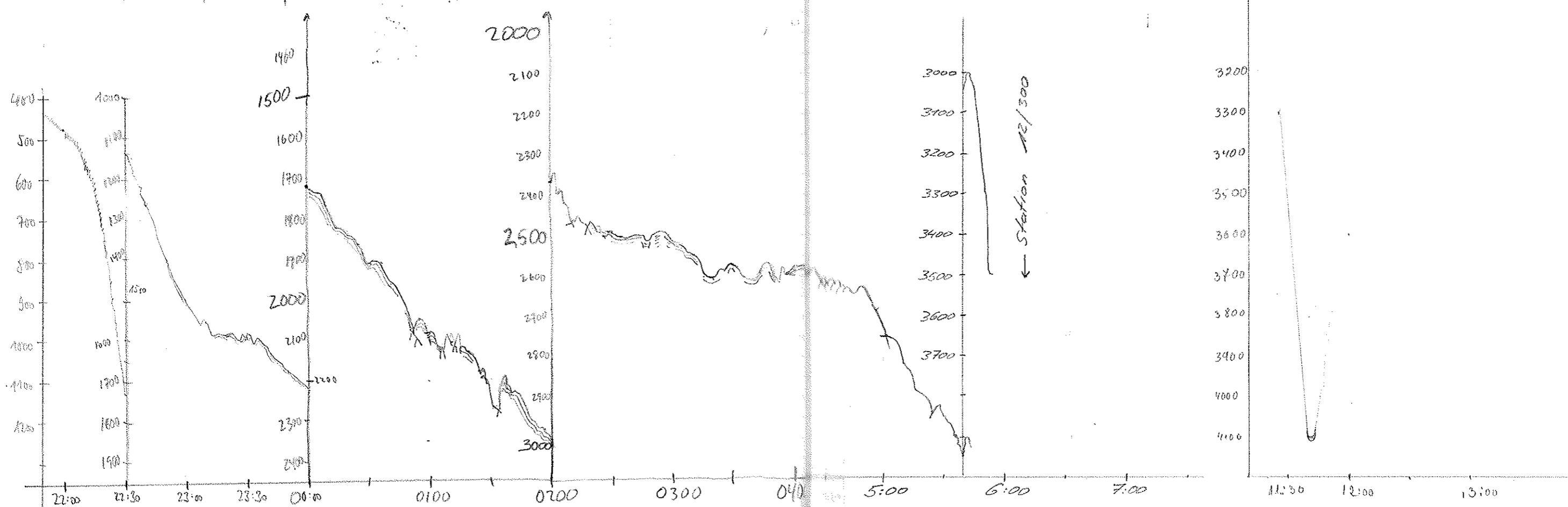


Roll	Profile	Date	Time	Latitude	Longitude	Speed	Heading	Depth	Range	Sweep	Trigger	Delay	sec/sw	Pulse length	Slave	Dönemens
9	12/295	"	18:50	68° 11.55	206° 44.61	9.9	186.6	2336	2625 - 3000	2	KP - - - -	.00	1/2	4	Meltes	
"	"	"	19:38	18.27	52.88	9.9	200.1	3063	2719 - 3084	3	K-P - - - -	.38	"	"	"	
"	"	"	20:16	25.14	59.75	9.9	195.9	2969	271 "	3	" - - - -	"	"	"	"	
"	"	"	20:47	29.22	07° 07.65	10.0	198.6	3300	"	2	KP - - - -	"	"	"	"	
"	"	"	21:19	34.69	00.50	9.8	194.2	2884	2906 - 2281	3	K-P - - - -	0.13	"	"	"	
"	"	"	21:24	35.56	10.32	9.9	194.4	3801?	2531 - 2906	2	KP - - - -	0.13	"	"	"	
"	"	"	22:02	41.31	16.81	10.0	200.1	2361	2156 - 2531	5	KPKP - - - -	0.13	"	"	"	
"	"	"	22:28	45.13	20.98	9.9	198.0	2365	1969 - 2344	5	KPKP - - - -	0.38	"	"	"	
"	"	"	23:03	50.53	27.11	9.8	195.2	2237	"	5	" - - - -	"	"	"	"	
"	"	"	23:29	54.09	30.56	8.7	162.8	2595	2250 - 2625	5	" - - - -	0.00	"	"	"	

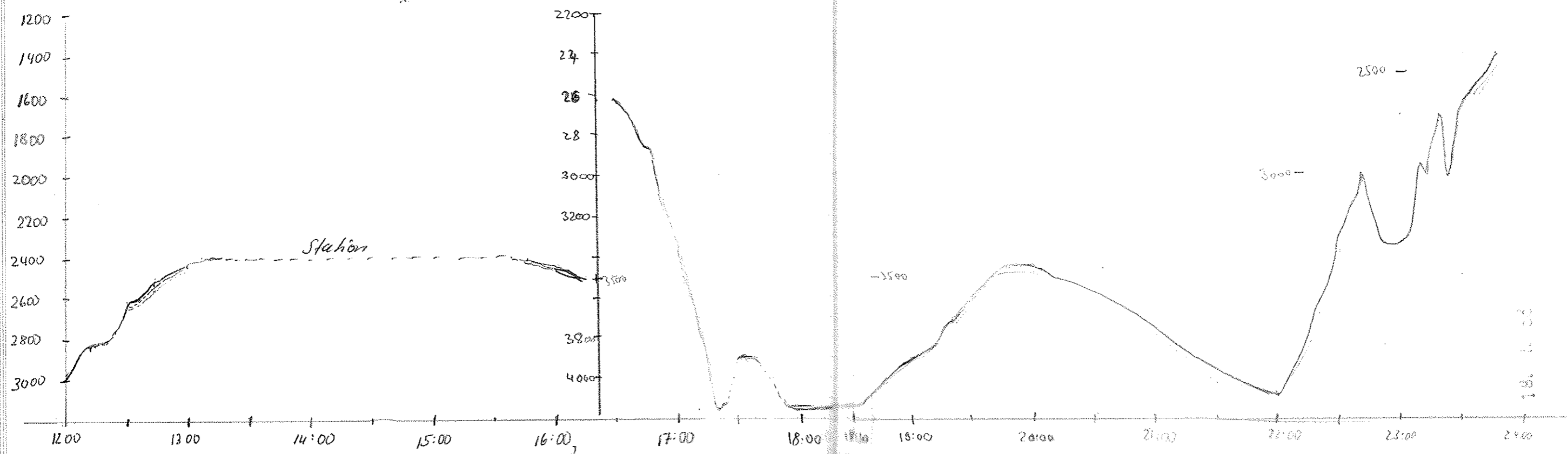
10	12/295	1. 88	00:09	S 69° 59.94	W 07° 37.28	9.6	200.0	1803	1500-1875	5	KPK-P - - - -	.00	1/2	4	Macedo	Roll Change 00:00
"	"	"	00:30	70° 02.71	40.32	9.3	197.1	1507	1313-1688	5	KPK-P - - - -	.25	"	1	"	
"	"	"	01:03	07.55	45.85	9.1	199.9	1074.0	750 - 1125	3	K-P - - - -	.00	"	"	"	
"	"	"	01:30	11.55	50.12	10.1	195.8	1771.0	1781-2150	2	KP - - - -	.13	"	"	"	
"	"	"	02:00	16.00	55.22	9.5	200.2	1681.0	1500-1875	5	KPK-P - - - -	.00	"	"	"	
"	"	"	02:30	20.20	08° 00.43	8.5	226.3	1092.0	938 - 1313	2	KP - - - -	.25	"	"	"	
"	12/296	"	02:59	22.61	07.69	2.4	216.9	759.0	SWITCHED OFF SEABEAM & 3.5 kHz SHIP STOPPED UNTIL 08:00				"	"		
"	-	"	7:34	70° 23.44	8° 14.70	3.2	200.0	640	775 - 750	2	KP	.00	"	0.5	Nied	Anlaufen Station
"	-	"	8:00	24.80	15.82	4.9	208.2	542	"	"	"	"	"	"	"	
"	"	"	8:36	25.85	17.58	0.0	273.6	435	"	"	"	"	"	"	Harefeld	
"	"	"	10:15	25.34	18.56	6.6	127.7	480	"	"	"	"	"	"	"	
"	"	"	10:52	25.67	17.65	0.0	34.9	475	"	"	"	"	"	"	"	
"	"	"	11:25	27.23	18.78	5.0	177.7	382	281 - 656	4	KP	.13	"	"	"	
"	"	"	12:00	70° 28.25	8° 10.13	0	184	287	"	4	KP	.13	"	"	Bowel	jerfams



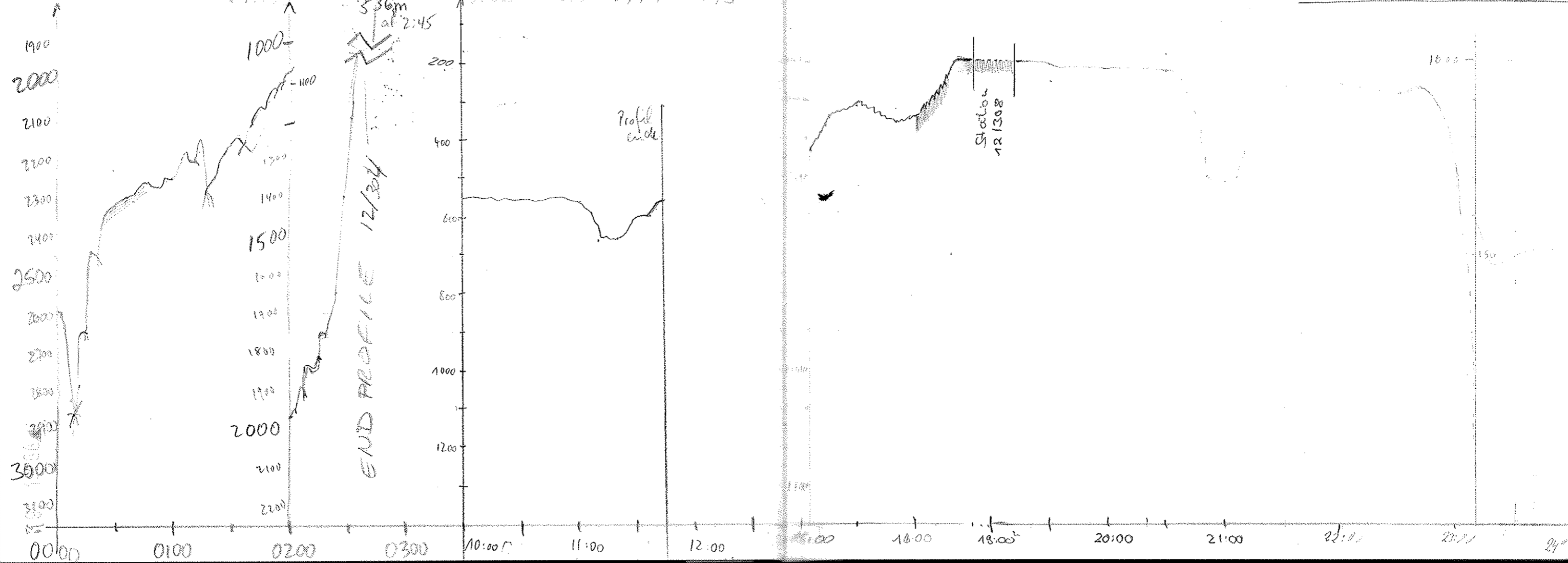
Rolle	Profil	Datum	Zeit	Latitude S	Longitude W	Speed	Heading	Depth	Beicht	Sweep	Triges W	Delay	sec. Sweep	Puls-Länge	Armer Messsch	Und was es sonst noch so gibt!	75
10	12/299	17.01.88	21:48	70° 49.86	10° 52.97	6.8	282.0	448	375 - 750	2	KP	0.00	1/2	0,5	tritze	Profilbeginn 12/299	
"	"	"	22:30	70° 49.06	11° 10.96	8.0	291.3	1135	1125 - 1500	2	KP	0.00	"	"	"		
"	"	"	23:00	70° 48.30	11° 24.33	8.0	280.8	1504	1500 - 1875	5	KPK-7	0.00	"	"	"		
"	"	"	23:30	70° 47.22	11° 37.42	9.7	287.5	1599	"	"	"	"	"	"	"		
"	"	"	0:00	70° 45.98	11° 50.42	9.0	291.6	1726	"	"	"	"	"	"	"		
10	12/299	18.1.88	00:31	S 70° 45.21	W 12° 05.03	10.6	277.8	1914	1781 - 2156	2	KP	.13	1/2	1	MACOS		
"	"	"	01:01	44.17	20.05	10.9	292.9	2080	"	"	"	"	"	"	"		
"	"	"	01:31	42.56	33.51	10.5	287.4	2256	2063 - 2438	5	KPKP	.25	"	"	"		
"	"	"	02:00	41.15	48.10	7.8	284.3	2361	"	"	"	"	"	"	"		
"	"	"	02:30	40.48	13° 01.34	8.8	303.9	2493	2344 - 2719	2	KP	.38	"	"	"		
"	"	"	03:01	39.59	14.30	7.2	284.8	2507	"	"	"	"	"	"	"		
"	"	"	03:30	39.06	23.95	6.7	282.2	2570	"	"	"	"	"	"	"		
"	"	"	4:30	38.30	33.83	0.	269.7	2644	"	"	KP	"	"	"	Nied		
"	"	"	4:58	37.13	51.96	12.1	270.6	2692	2625 - 3000	"	"	.00	"	"	"		
"	"	"	5:36	35.73	14.07	12.0	287.3	2986	2906 - 3281	3	K-P	.73	"	"	"		
"	"	"	5:50	35.02	21.98	6.5	290.0	3500	3375 - 3750	2	KP	.00	"	"	"	Profilende	
"	"	"	11:22													Profilbeginn	
"	12/301	"	11:25	35.99	20.99	7.9	199.9	3308	3375 - 3750	2	KP	.00	"	"	Brehma		
"	"	"	12:00	40.51	25.70	9.3	195.2	3399	3281 - 3656	2	KP	.13	"	"	"		



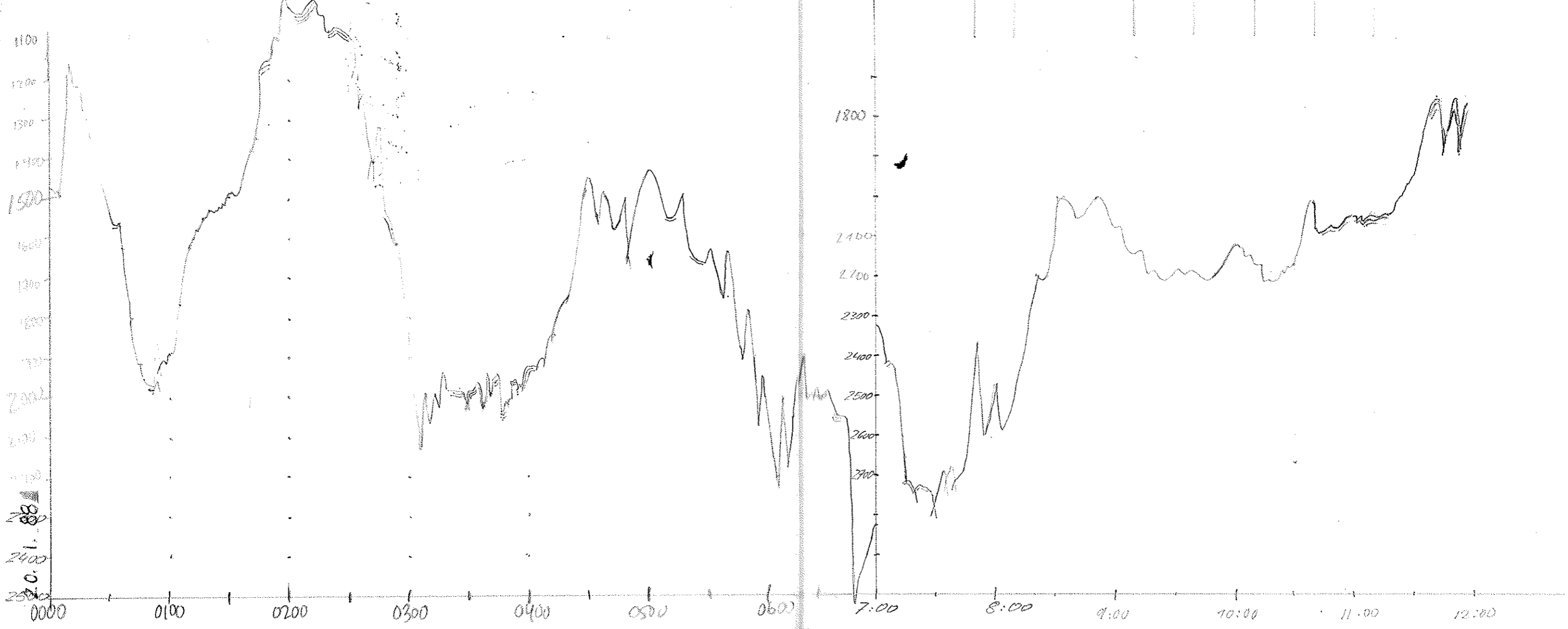
Rolle	Profil	Datum	Zeit	Latitude S	Longitude W	Speed	Heading	Depth	Bereich	Sweep	Trigger	Delay	sec/Sweep	Pub-länge	Wkt	Remarks
10	12/301	18.1.88	12:22	70° 43.68	W 14° 28.73	8.9	197.6	2795	2344 - 2719	2	KP - - -	0.38	1/2	7.0	Reed	Profil 12/301
"	"	"	13:01	48.01	33.71	8.9	189.6	2445	- " -	"	"	"	"	"	"	"
"	"	"	13:20	50.01	33.54	8.6	68.2	2406	"	"	"	"	"	"	"	Ende Profil 12/301
"	"	"	15:50	49.42	34.19	3.3	358.1	2417	"	"	"	0.38	"	"	"	Station 12/302 beende!
"	"	"	16:28	45.14	30.27	8.7	002.6	2610	2438 - 2813	"	"	0.25	"	"	Heraufgel	
"	"	"	16:33	43.52	28.82	9.4	22.1	2776	2219 - 2094	"	K-P	0.38	"	"	"	
"	"	"	16:57	44.05	26.44	7.8	12.3	3122	2000 - 2375	"	"	0.00	"	(4)	"	
"	12/303	"	17:41	37.27	23.69	1.5	183.8	3874	3750 - 4125	3	KP -	"	"	"	"	Stat 302: 17.32 ^R
"	"	"	17:55	37.62	24.62	4.1	194.4	4136	4125 - 4500	2	"	"	"	"	"	
"	"	"	18:26	38.05	25.27	2.5	193.3	4154	3844 - 4219	"	"	0.38	"	"	"	
"	"	"	18:57	38.63	25.82	1.3	183.4	3874	3563 - 3338	3	KP -	0.25	"	"	"	
"	"	"	18:28	38.34	26.55	1.3	188.4	3683	3281 - 3656	2	KP	0.13	"	"	"	} Dredge
"	"	"	18:58	38.86	27.24	0.4	253.7	3462	"	"	"	"	"	"	"	
10	12/304	18.1.88	20:58	39.26	26.78	0.6	015	3709	3469 - 3844	3	KP -	.38	"	4	Lokhd	
"	"	"	21:54	38.60	27.17	3.3	089	-	3656 - 4031	3	KP	.13	"	"	"	Profilbeginn
"	"	"	22:17	41.04	19.98	7.5	136	3389	3094 - 3469	2	KP	.38	"	"	"	
"	"	"	23:02	44.70	10.03	8.7	137	3373	- " -	"	"	"	"	"	"	
"	"	"	23:14	45.90	06.40	8.2	147	3075	2813 - 3188	3	K-P -	.25	"	"	"	
"	"	"	23:52	48.73	13.5700	9.0	128	2540	2750 - 2625	5	KPKP -	.00	"	"	"	



Roll	Profile	Date	Time GMT	LAT	Lon	Speed	Hdg	Depth	Range	SW	Trigger	Delay	%SW	Pulse	J.H.	Remarks
10	12/304	19. 1. 88	0031	S 70° 53.55	W 130 44.42	9.1	130.4	2324	2156-2531	5	KPRP	.13	1/2	4	MACEO	
"	"	"	0100	56.38	35.68	9.4	131.3	2246	"	"	"	"	"	"	"	
"	"	"	0132	59.73	25.04	8.4	132.0	2133	1875-2250	2	KP	.00	"	1	"	
"	"	"	0200	71° 02.88	16.04	9.8	128.4	1950	"	"	"	"	"	"	"	
"	"	"	0229	00.09	05.98	10.0	135.9	1386	1313-1688	5	KPK-P	.25	"	"	"	
"	"	"	0246	07.66	00.88	8.9	134.7	~536	281-656	2	KP	.13	"	"	"	1245 SEABAM → STBY 12/304 PROFILE ENDS
10	12/306	"	10:07	71° 07.12	12° 55.94	7.7	104	553	- - -	"	"	"	"	"	Lothes	
"	"	"	10:47	08.47	37.69	9.2	072	564	- - -	"	"	"	"	"	"	
"	"	"	11:12	07.00	25.20	8.7	109	674	563-938	3	K-P	.25	"	"	"	Profile Station 12/307
"	"	"	11:36	06.30	21.20	1.0	057	552	469-844	"	"	.38	"	"	"	Standby
"	"	"	12:06	07.25	22.74	0.3	70	523	"	"	"	"	"	"	Nied	Anfahrt 12/308
"	"	"	15:06	08.74	18.75	3.8	265	447	281-656	2	KP	.13	"	"	"	
"	"	"	15:30	10.47	28.87	10.7	248	312	94-469	2	"	.38	"	"	"	
"	"	"	16:00	12.27	43.81	10.3	256	346	"	"	"	"	"	"	"	
"	"	"	16:27	71° 13.87	12° 56.58	8.6	230	198	"	"	"	"	"	"	Herfeld	Fahrtverlagerung Station
"	"	"	19:12	71° 15.48	12° 53.70	2.6	127	201	"	"	"	"	"	"	"	Station Ende 12/308
"	12/308	"	19:16	15.77	13° 00.44	8.2	230.9	205	"	"	"	"	"	"	"	Profilbeginn
"	"	"	19:30	17.30	07.31	12.8	231.7	253	"	"	"	"	"	"	"	
"	"	"	20:30	26.06	39.36	13.7	232.2	226	"	"	"	"	"	"	"	
"	"	"	21:03	29.25	57.12	13.4	264.4	2131	375-750	"	"	.00	"	"	"	
"	"	"	21:19	28.59	14° 05.95	13.2	285.1	275	198-563	"	"	.25	"	"	"	
"	"	"	22:00	30.77	33.76	10.4	207.8	040	94-469	"	"	.38	"	"	"	
"	"	"	22:46	33.29	50.73	10.9	239.7	382	138-563	"	"	.25	"	"	"	
"	"	"	23:00	34.12	55.56	12.5	257.3	539	375-750	"	"	.00	"	"	"	
"	"	"	23:07	35:03	15 00.79	13.4	249.3	1141	1013-1406	"	KP	.13	"	"	"	
"	"	"	23:40	32:10	22.36	12.5	231.7	1495	1313-1678	5	KPK-P	.25	"	"	"	
"	"	"	24:00	30:38	22.62	13.4	219.4	1473	"	"	"	"	"	"	"	

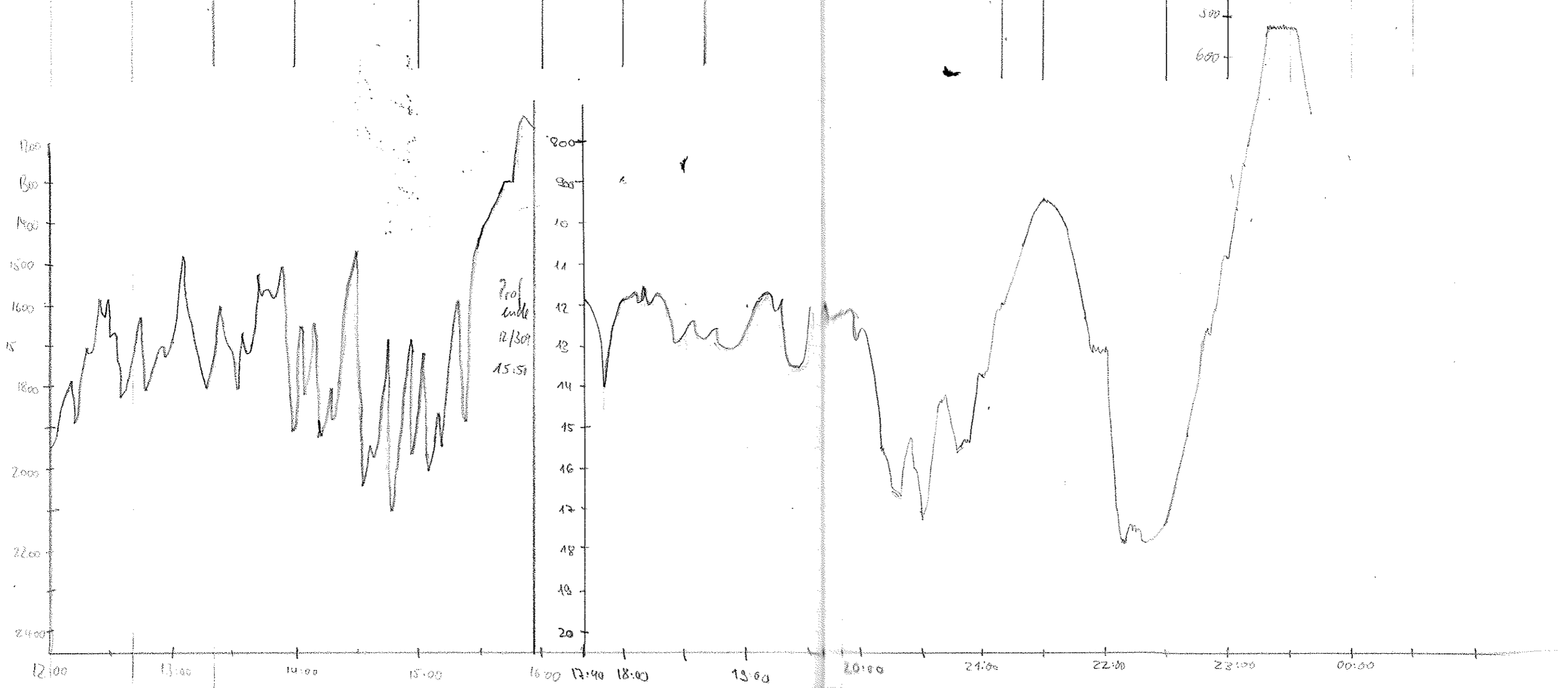


Rolle	Profil	Date	Zeit	Lat	Lon	Temp	Wind	Tiefe	Tiefenmarkierung	SW	Triggert	Debay	Fluss	Misc	Bemerkung
10	12/30/92	01. 88	0008	S 71° 42.13	W 15° 36.89	13.4	240.2	1318	1313-1688	5	KPK-P---	.25	1/2	1	NACEDD
"	"	"	0030	44.54	51.77	13.1	249.3	1599	1500-1875	5	KPK-P---	.00	"	"	SEABEAM → ON & charged per
"	"	"	0100	48.09	16° 07.54	13.3	213.2	1894	1688-2063	2	KP----	.25	"	"	"
"	"	"	0130	53.55	19.17	13.6	242.7	1497	1313-1688	5	KPK-P---	.25	"	"	"
"	"	"	0200	57.59	33.78	11.8	208.5	1018	656-1031	3	K-P----	.13	"	"	"
"	"	"	0232	72° 01.55	49.46	11.8	249.2	1197	938-1313	2	KP----	.25	"	"	"
"	"	"	0302	02.89	17° 10.97	11.4	247	2134	2063-2438	5	KPKP---	.25	"	"	"
"	"	"	0331	06.75	13.80	13.4	226	1967	1981-2156	2	KP----	.13	"	"	"
"	"	"	4:03	12.63	26.17	13.9	200.	1925	"	"	"	"	"	"	Nied
"	"	"	4:27	16.95	30.27	13.5	200.3	1747	1500-1875	5	KPK-P	.00	"	"	"
"	"	"	4:45	20.37	38.10	13.3	256.3	1563	"	"	"	"	"	"	"
"	"	"	5:24	26.18	58.70	13.6	227	1667	1406-1781	"	"	.13	"	"	"
"	"	"	6:05	34.57	18° 22.25	13.3	234.5	2205	2063-2438	5	KPKP-	.25	"	"	"
"	"	"	6:43	34.30	48.52	10.1	265.4	2064	1875-2250	2	KP	.00	"	"	"
"	"	"	7:16	36.67	19° 04.82	10.4	237.7	2736	2537-2906	"	"	.13	"	"	"
"	"	"	7:45	39.69	18.03	10.0	245.5	2670	"	"	"	"	"	"	"
11	"	"	8:07	41° 41.58	19° 24.67	9.9	244.3	2557	2250-2625	5	KPKP-	.00	"	"	1400
"	"	"	8:20	44.25	30.37	10.0	220.2	2264	1969-2344	5	KPKP-	.38	"	"	"
"	"	"	8:50	47.34	42.16	8.2	214.9	2020	1688-2063	2	KP	.25	"	"	"
"	"	"	9:22	52.37	55.23	10.0	234.0	2202	1875-2250	2	KP	.00	"	"	"
"	"	"	10:00	56.99	20° 41.20	8.7	222.5	2147	"	"	"	"	"	"	"
"	"	"	10:28	58.97	20.38	9.1	221.2	2133	"	"	"	"	"	"	Nied
"	"	"	10:59	73° 03.05	20° 31.53	9.5	211.1	2056	"	"	"	"	"	"	"
"	"	"	11:29	06.73	40.62	9.6	241.5	1875	1534-1969	2	KP---	.38	"	"	"
"	"	"	11:57	9.44	53.76	9.3	232.6	1810	"	"	"	"	"	"	"

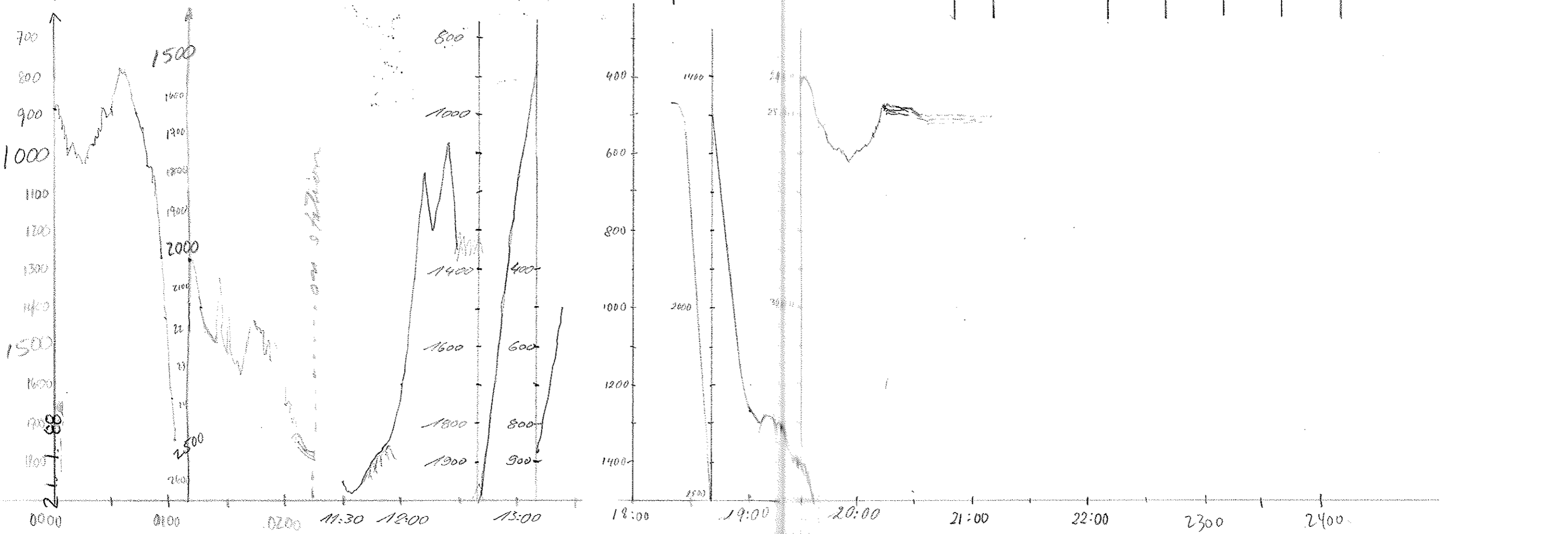


Papier + Schreibzettel
guedzelt

Rolle	Profil	Datum	Zeit	Lat	Lon	Speed	Kurs	Tiefe	Tiefenbereich	SW	Trigger	Delay	S/SW	Pulse	WA	Bemerkungen
11	121309	20. 1. 88	12:28	73° 12.36	W 21° 08.92	10.1	234	1603	1500 - 1875	5	KPK-P-	.00	1/2	1	Lothet	
"	"	"	13:20	16.56	31.61	10.0	232	1715	"	"	"	"	"	"	"	
"	"	"	14:09	21.31	52.56	9.6	233	1888	1688 - 2063	2	KP-	.75	"	"	"	
"	"	"	14:40	24.11	22° 07.48	9.8	233	1872	1781 - 2156	"	"	.13	"	4	"	
"	"	"	15:17	27.87	24.13	9.7	239	1881	1594 - 1969	"	"	.38	"	"	"	
"	"	"	15:38	29.88	33.49	9.6	223	1319	1219 - 1594	5	KPK-P-	.38	"	"	Lothet	
"	"	"	15:51	30.95	40.01	8.1	235	1177	1031 - 1406	2	KP	.13	"	1	"	Profilmunde
11	121311	"	17:40	31.15	43.32	4.6	238	1182	1031 - 1406	"	"	"	"	"	Henfeld	Profilbeginn
"	"	"	18:59	38.20	23° 18.14	8.8	216.9	1274	"	"	"	"	"	"	"	
"	"	"	19:23	40.48	28.25	8.5	234.5	1338	1313 - 1688	5	KPK-P	.25	"	"	"	
"	"	"	19:58	43.64	42.82	8.5	225.2	1273	"	"	"	"	"	"	"	
11	121311	20. 1. 88	20:00	73° 44.18	23° 44.80	9.5	225.3	1277	1031 - 1406	2	KP	0.13	"	"	"	Cordes
"	"	"	20:31	47.53	59.11	9.8	215.0	1721	1500 - 1875	5	KPK-P	0.00	"	"	"	"
"	"	"	21:00	51.28	24° 05.24	9.7	199.7	1378	1125 - 1500	2	KP	0.00	"	"	"	"
"	"	"	21:30	55.33	10.04	8.3	232.3	944	750 - 1125	3	K-P	0.00	"	"	"	Cordes
"	"	"	22:00	58.12	25.18	10.2	222.6	1320	1125 - 1500	2	KP	0.00	"	"	"	"
"	"	"	22:30	74° 01.66	36.92	10.0	219.2	1738	1500 - 1875	5	KPK-P	0.00	"	"	"	"
"	"	"	23:00	05.13	46.87	9.6	212.8	1094	750 - 1125	3	K-P	0.00	"	"	"	"
"	"	"	23:34	08.31	53.38	7.1	253.6	532	375 - 750	2	KP	0.00	"	"	"	"
"	"	"	0:00	09.54	25° 07.68	9.4	227.8	886	750 - 1125	2	K-P	0.00	"	"	"	"

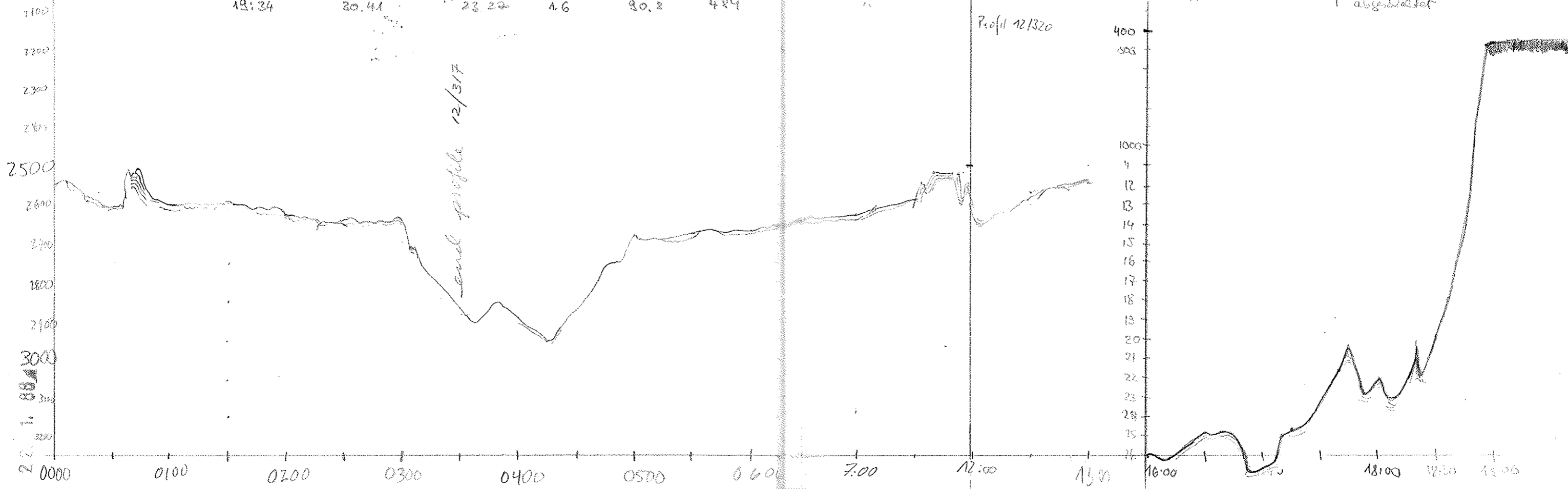


Roll	Profile	Date	Time GMT	Latitude	Longitude	Speed	Course	Depth	Range	SW	Trigger	Delay	S/SW	Rebel.	J.H.	Remarks
"	12/311	2.1.11	00:34	S 74° 13.84	W 25° 19.60	9.1	193.0	825	750 - 1125	3	K-P	.00	1/2	1	MACEO	
"	"	"	01:01	15.65	34.78	10.0	266.0	1634	1125 - 1500	2	KP	.00	"	"	"	
"	"	"	01:33	16.20	54.90	9.3	290	2262	2063 - 2438	5	KPKP	.25	"	"	"	
"	"	"	02:00	14.55	26° 09.22	8.0	294.5	2403	"	"	"	"	"	"	"	
"	"	"	02:17	13.92	16.70	3.8	290.2	2515	2344 - 2719	2	KP	.38	"	"	"	on station
M	12/313	"	11:30	74° 15.47	26° 20.70	3.2	195	2594	2344 - 2719	2	KP	.38	"	"	Beard	Beginn Profil 313
"	"	"	12:02	10.86	25.34	8.8	184.7	2346	2063 - 2438	5	KPKP	.25	"	"	Nied	
"	"	"	12:37	24.40	30.09	9.7	196.7	1885	1688 - 2063	2	KP	"	"	"	"	
"	"	"	12:51	27.47	33.89	10.0	191.8	1733	1313 - 1688	5	KPK-P	"	"	"	"	
"	"	"	13:23	32.35	38.50	6.6	181.2	506	375 - 750	2	KP	.00	"	"	"	Ende Profil, Beginn 9. 12/314
"	12/315	"	18:23	44° 31.25	026° 33.59	7.2	316.8	470	"	"	"	"	"	"	Brehme	Anfang Profil 315
"	"	"	19:00	26.38	44.39	9.6	330.0	2271	2063 - 2438	5	KPKP	.25	"	"	"	
"	"	"	19:30	22.35	58.29	10.1	324.3	2433	2156 - 2531	5	KPKP	.13	"	"	"	
"	"	"	20:00	18.41	08.83	10.1	327.4	2608	2438 - 2813	2	KP	.25	"	"	"	
"	"	"	20:18	74° 16.00	27° 15.46	10.1	323.0	2422	2848 - 2819	2	KP	0.38	"	"	Brock	
"	"	"	20:29	14.45	19.64	9.7	16.4	2480	"	"	"	"	"	"	"	Ende Profil 12/315
"	12/317	"	22:23	"	"	3.6	308.3	2891	"	"	"	"	"	"	"	Beginn Profil 12/317

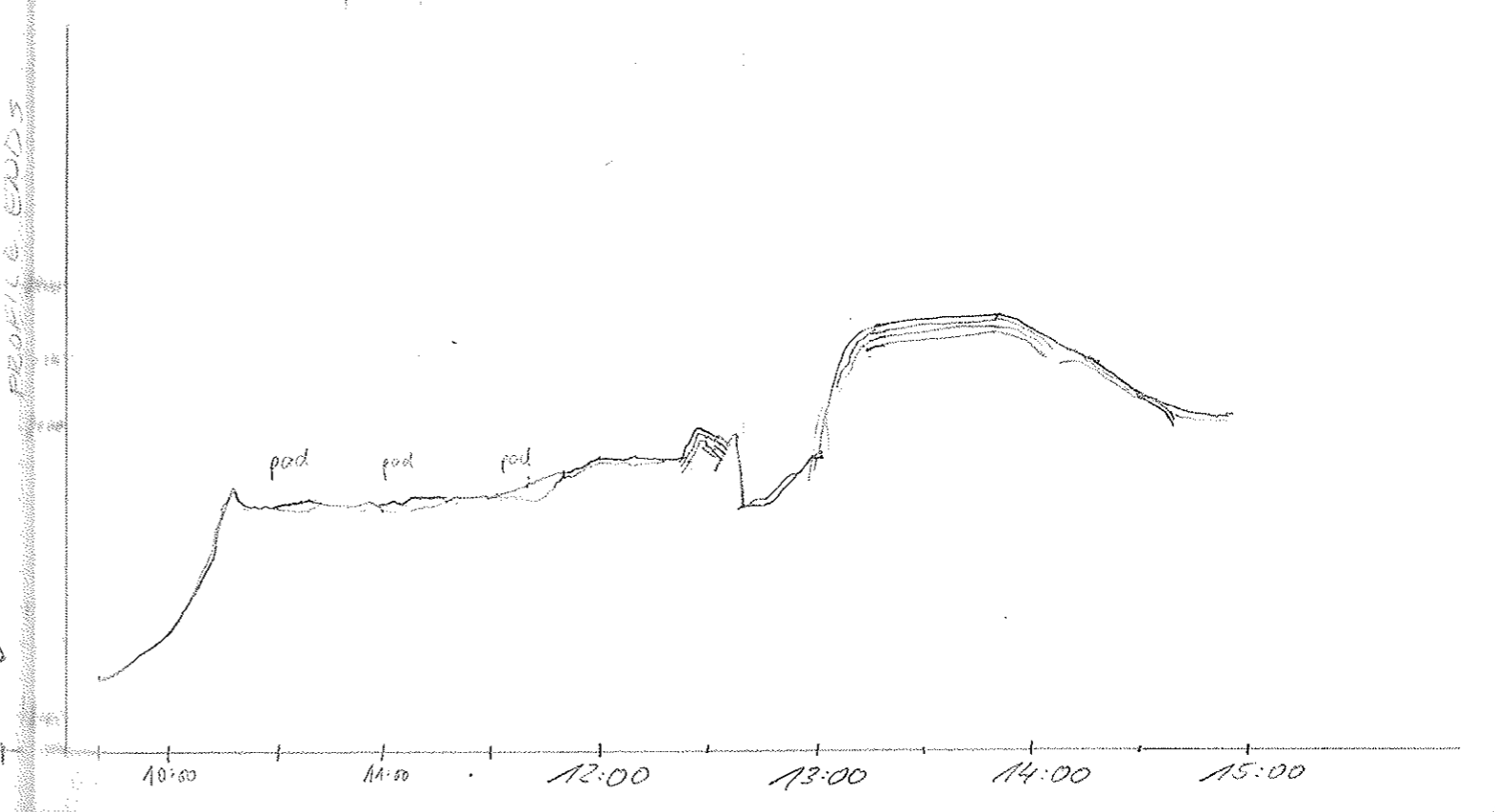
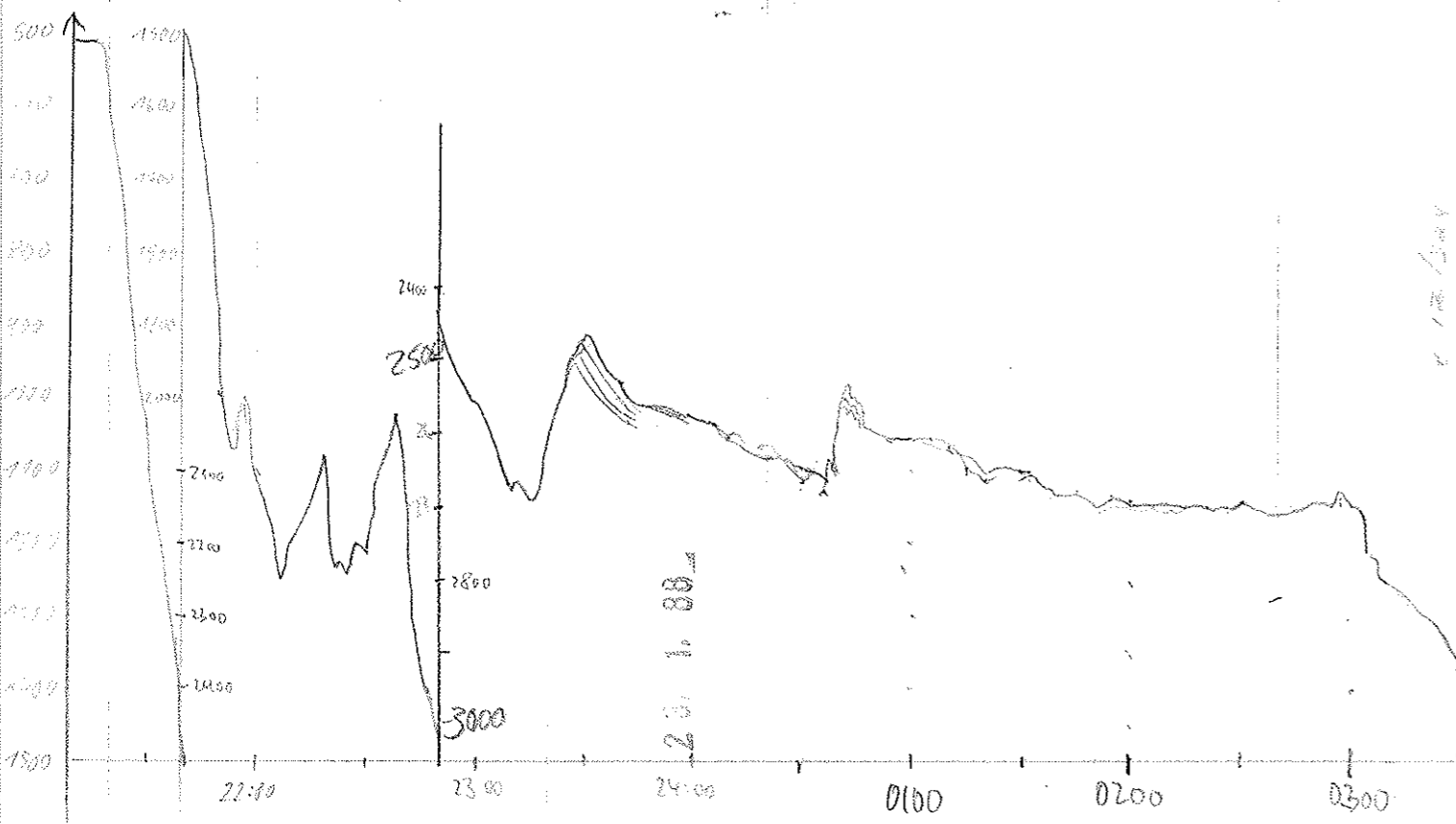


Roll	Profile	Date	Time	Latitude	Longitude	Speed	Course	Depth	Range	SW	Trigger	Delay	s/sw	Pulse	JH.	Remarks
11	12/3172	1. 88	0001	S 74° 11.12	227° 32.01	10.3	322.2	2550	2344-2719	2	K-P	.38	1/2	1	MACEDO	
"	"	"	0034	06.32	41.44	10.4	329.3	2581	"	"	"	"	"	"	"	
"	"	"	0100	02.33	45.33	10.1	007.1	2588	"	"	"	"	"	"	"	
"	"	"	0130	73° 58.85	57.97	10.4	302.6	2472	"	"	"	"	"	"	"	
"	"	"	0204	54.60	28° 12.76	10.2	327.3	2637	"	"	"	"	"	"	"	
"	"	"	0230	50.85	22.20	10.6	325.7	2654	"	"	"	"	"	"	"	
"	"	"	0300	46.69	32.85	10.6	325.8	2650	2438-2813	"	"	.25	"	"	"	
"	"	"	0331	42.52	43.62	10.5	323.4	2877	2719-3094	3	K-P	.38	"	"	end profile	
"	"	"	4:14	40.03	37.38	9.9	245	2950	"	"	"	"	"	"	Wied Beginn 12/318 um 4:23	
"	12/318	"	4:34	42.86	33.88	9.5	140.7	2852	2531-2906	2	KP	.73	"	"	"	
"	"	"	5:01	46.21	24.03	9.3	141.3	2673	"	"	"	"	"	"	"	
"	"	"	5:30	49.71	16.07	9.7	138.9	2677	"	"	"	"	"	"	"	
"	"	"	6:00	53.45	06.36	9.2	134.7	2670	"	"	"	"	"	"	"	
"	"	"	6:30	57.04	27° 56.64	9.4	140.3	2639	"	"	"	"	"	"	"	
"	"	"	7:00	74° 00.46	47.29	5.6	134.0	2628	"	"	"	"	"	"	"	
"	"	"	7:30	02.74	40.74	9.1	137.4	2588	"	"	"	"	"	"	"	
"	"	"	7:36	03.64	38.79	7.4	246.8	2549	2250-2625	5	KPRP-	.00	"	"	Ende Profil 12/318	
"	"	"	7:51	04.51	41.63	0	90.6	2554	"	"	"	"	"	"	Station 12/310	
"	12/320	"	11:53	03.33	38.80	6.2	058	2580	"	"	"	"	"	"	Lokal Beginn Prof 12/30	
"	"	"	12:04	04.16	35.84	7.4	146.3	2649	2531-2906	2	KP----	.13	1/2	"	Berner	
"	12/320	"	13:00	74° 10.45	27° 20.75	6.5	258.8	2390	"	"	"	.13	1/2	"	Ende Profil 12/30	
"	12/322	"	16:03	74° 10.35	20° 23.00	4.8	150.0	2587	2250-2625	5	KPRP-	.00	1/2	"	Herrfeld Profilbeginn 12/322	
"	12/322	"	16:49	14.62	14.85	8.6	124.2	2487	"	"	"	"	"	"	"	
"	"	"	16:54	15.51	07.82	2.4	140.8	2692	2625-3000	2	KP----	.00	"	"	"	
"	"	"	17:05	16.86	05.54	2.4	143.1	2644	2438-2821	"	"	.25	"	"	"	
"	"	"	17:22	18.56	59.21	9.0	102.5	2469	2156-2531	5	KPRP-	.13	"	"	"	
"	"	"	17:41	20.30	26° 51.94	9.4	152.8	2165	1875-2250	2	KP	.00	"	"	"	
"	"	"	17:51	21.73	49.68	8.4	152.8	2238	2156-2531	5	KPRP-	.13	"	"	"	
"	"	"	18:08	23.30	41.70	9.1	135.3	2174	1060-2344	"	"	.38	"	"	"	
"	"	"	18:23	26.74	37.53	9.3	137.6	1883	1584-1869	2	KP	"	"	"	"	
"	"	"	18:56	30.15	27.57	8.5	90.4	478	468-844	2	K-P	.38	"	"	Profilende 12/322	
"	"	"	19:34	30.41	23.22	4.6	90.2	484	"	"	"	"	"	"	abgelesen	

2005

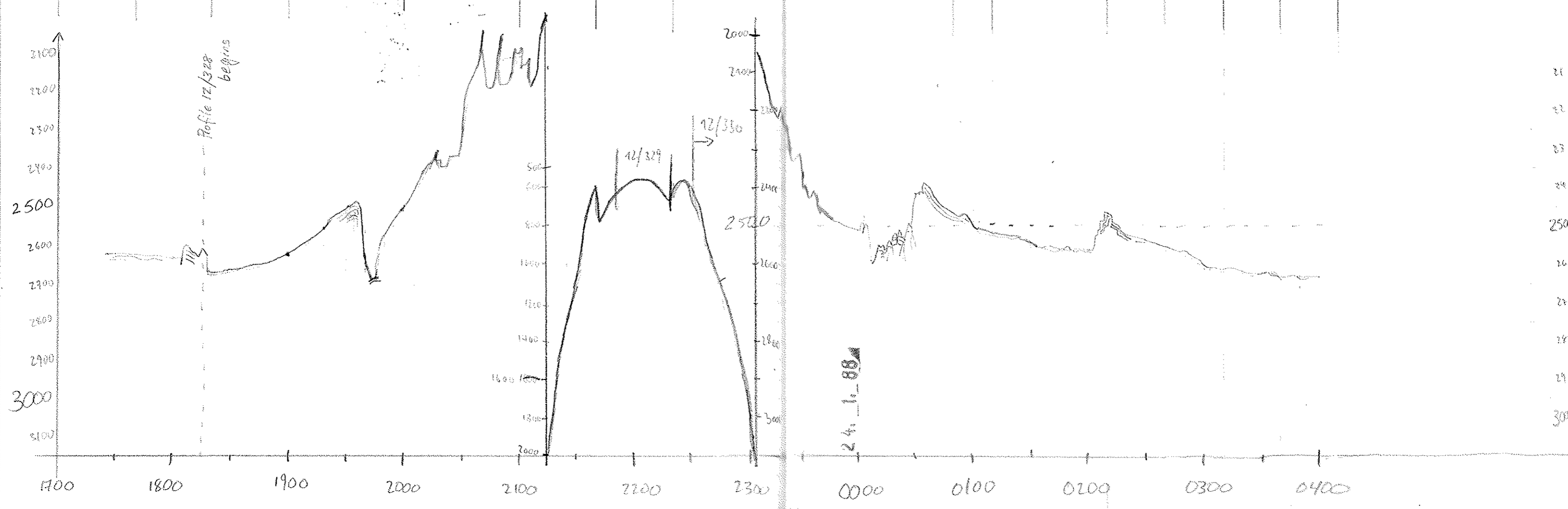


Reife	Profil	Datum	Zeit	Latitude S	Longitude W	Speed	Kum	Tiefe	Range	SW	Trigger	Delay	S/SW	Pulse	Abtdoll.	Bemerkungen
11	-	22.1.88	21:18	74° 30.24'	26° 23.47'	7.6	324.8	512	465 - 844	3	K-P	.38	1/12	1	Kuchen	
"	12/324	"	21:24	29.62'	25.40'	10.0	324.5	538	"	"	"	"	"	"	"	
"	"	"	21:45	26.76'	33.36'	10.2	323.3	1776	1500 - 1815	5	KPK-P	.00	"	"	"	
"	"	"	22:01	24.71'	33.73'	10.0	323.0	2150	1375 - 2250	2	KP	.00	"	"	"	
"	"	"	22:43	19.25'	55.58'	10.9	322	2401	2250 - 2625	5	KPKP -	.00	1/2	"	Lothar	
"	"	"	23:09	15.95'	27° 05.45'	11.1	300	2625	2531 - 2906	2	KP	.13	"	"	"	
"	"	"	23:57	09.93'	23.08'	10.7	329	2590	2344 - 2719	2	KP.	.38	"	"	"	
11	12/324 2	1. 8800:30	01:00	05.19'	35.34'	10.7	328.8	2665	"	"	"	"	1/2	1	MACEO	
"	"	"	01:31	00.95'	45.08'	10.8	328.9	2613	"	"	"	"	"	"	"	
"	"	"	02:00	73° 56.52'	55.28'	10.8	328.8	2649	"	"	"	"	"	"	"	
"	"	"	02:30	52.69'	28° 04.97'	9.2	321.7	2685	2438 - 2813	"	"	.25	"	"	"	
"	"	"	03:02	49.01'	14.33'	10.8	319.2	2716	"	"	"	"	"	"	"	
"	"	"	03:30	44.92'	24.04'	10.7	322.6	2739	"	"	"	"	"	"	"	
"	"	"	03:38	41.40'	34.10'	10.2	329.8	2927	2625 - 3000	"	"	.00	"	"	"	
12	12/326	"	09:41	73° 40.59'	28° 30.96'	8.9	094	2953	"	"	"	"	"	"	Lothar	Profile ends 3:34
"	"	"	10:30	46.81'	16.18'	9.8	158.0	2712	"	"	"	"	"	"	Tritz	on station until ~6:00 → Profilsbeginn
"	"	"	11:50	50.72'	06.13'	9.4	144.9	2731	"	"	"	"	"	"	"	
"	"	"	11:31	54.22'	27° 55.45'	9.7	145.4	2692	"	"	"	"	"	"	"	
"	"	"	12:00	58.04'	45.49'	9.8	138.9	2645	2344 - 2719	"	"	.38	"	"	Nied	
"	"	"	12:30	74° 02.00'	35.22'	9.5	142.2	2604	"	"	"	"	"	"	"	
"	"	"	12:42	03.43'	37.20'	9.8	142.3	2687	"	"	"	"	"	"	"	
"	"	"	13:07	05.77'	38.67'	9.9	242.1	2656	"	"	"	"	"	"	"	Profilende, ca. 7 sm von St. falsche Position angeleitet,
"	12/327	"	14:00	06.74'	50.52'	9.6	5.3	2467	"	"	"	"	"	"	"	nochmal Fern
"	"	"	14:30	03.14'	52.22'	7.3	355.7	2550	"	"	"	"	"	"	"	
"	-	"	14:56	00.67'	50.38'	1.4	117.6	2583	"	"	"	"	"	"	"	Station 12/328
"	-	"	17:26	74° 00.16'	48.70'	4.6	130.0	2626	"	"	"	"	"	"	Herrfeld	

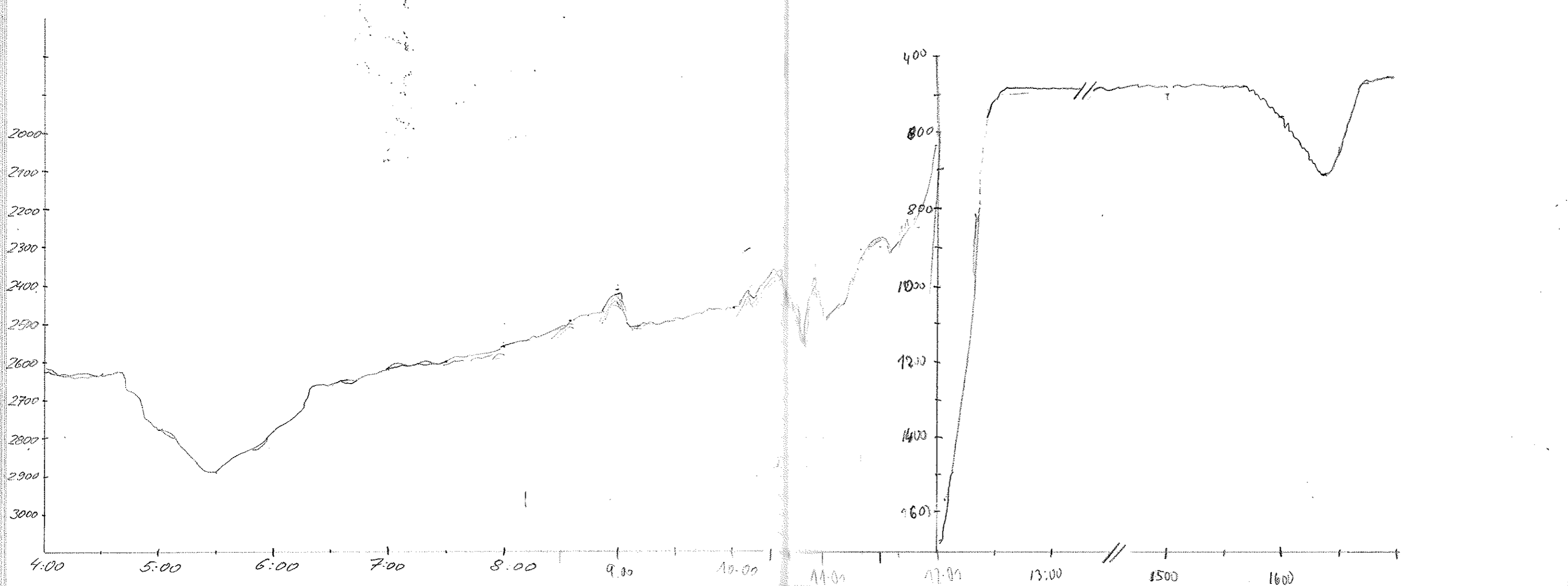


27-18

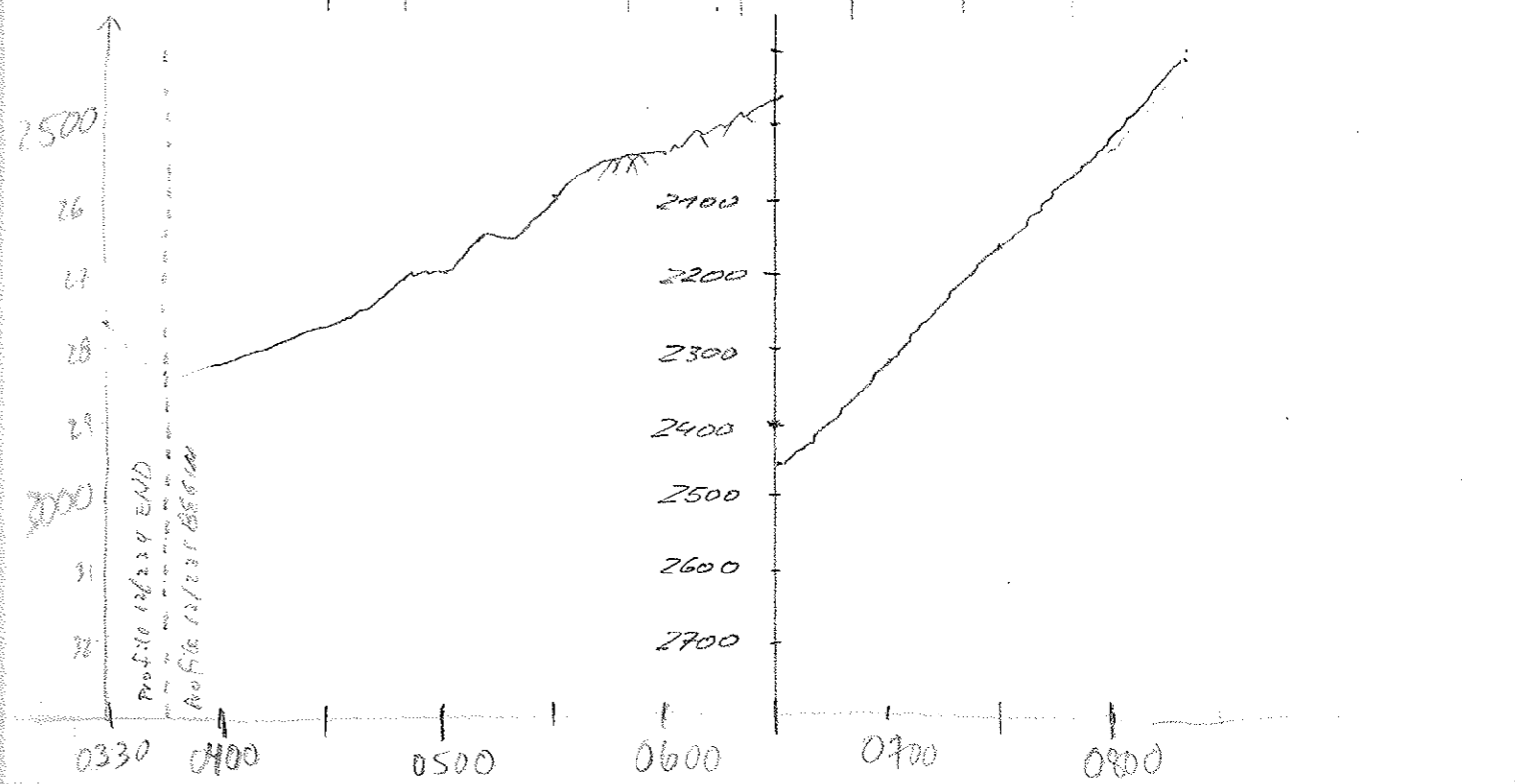
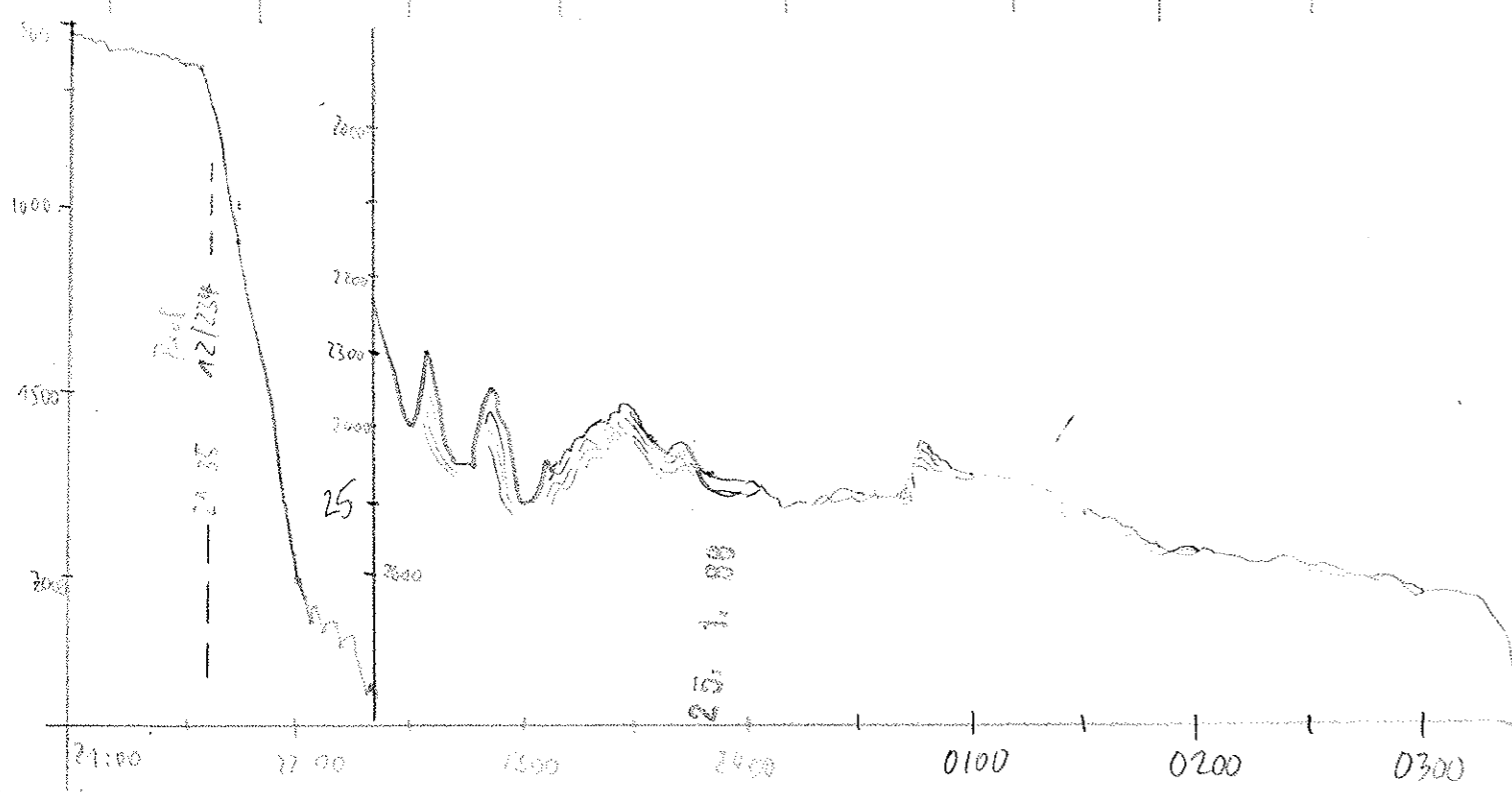
Roll	Profile	Date	Time GMT	Latitude S	Longitude W	Speed	Course	Depth	RANGE	SW	TRIGGER	Delay	S/SW	Pulse	J.H.	Remarks
12	12/328	23.1.88	18:15	74° 03.01	27° 31.98	9.8	145.0	2655	2344-2719	2	KP	.38	1/2	1	MACEDO	
"	"	"	18:00	08.25	12.32	9.2	152.1	2624	2531-2966	"	"	.13	"	"	Herzfeld	
"	"	"	18:13	11.74	14.88	10.1	151.6	2555	2250-2628	5	KPKP-	.00	1/2	"	"	
"	"	"	18:41	14.85	08.33	10.0	133.4	2623	2531-2906	2	KP	.13	"	"	"	
"	"	"	18:57	16.25	07.20	8.4	122.3	2601	2250-2625	5	KPKP-	.00	"	"	"	
12	12/328	23.1.88	20:32	74° 20.15	26° 49.67	10.1	139	2217	2063-2438	5	KPKP	.25	"	4	Lothar	
"	"	"	21:14	25.33	33.29	9.6	141	2005	1781-2156	2	KP	.13	"	"	"	
"	"	"	21:40	28.92	22.49	9.4	122	650	563-938	3	K-P	.25	"	"	"	
"	12/329	"	21:50	28.63	23.71	8.8	228	755	-	"	"	.38	"	"	"	} knows area profile Profanfang
"	"	"	22:18	34.65	37.27	9.7	230	558	469-844	"	"	.38	"	"	"	
"	12/330	"	22:30	34.83	37.00	9.2	323	512	-	"	"	.25	"	"	"	
"	"	"	23:00	28.50	48.13	6.0	295	2083	2063-2438	5	KPKP	.25	"	"	"	
"	"	"	23:40	23.64	58.23	10.0	325	2479	2344-2719	2	KP	.38	"	"	"	
12	12/330	23.1.88	00:32	74° 17.19	27° 16.79	8.9	318.9	2414	"	"	"	.38	1/2	1	MACEDO	
"	"	"	01:01	14.01	25.77	7.2	325.2	2505	"	"	"	.38	"	"	"	
"	"	"	01:31	11.12	33.14	8.2	328.1	2557	"	"	"	.38	"	"	"	
"	"	"	02:01	07.28	42.69	10.3	323.7	2558	"	"	"	.38	"	"	"	
"	"	"	02:30	03.39	54.61	10.4	328.6	2535	"	"	"	.38	"	"	"	
"	"	"	03:00	59.05	05.03	9.9	325.2	2600	"	"	"	.38	"	"	"	
"	"	"	03:31	54.82	16.39	10.3	327.3	2624	"	"	"	.38	"	"	"	
"	"	"	03:59	51.29	24.59	6.9	327.7	2628	"	"	"	.38	"	"	"	



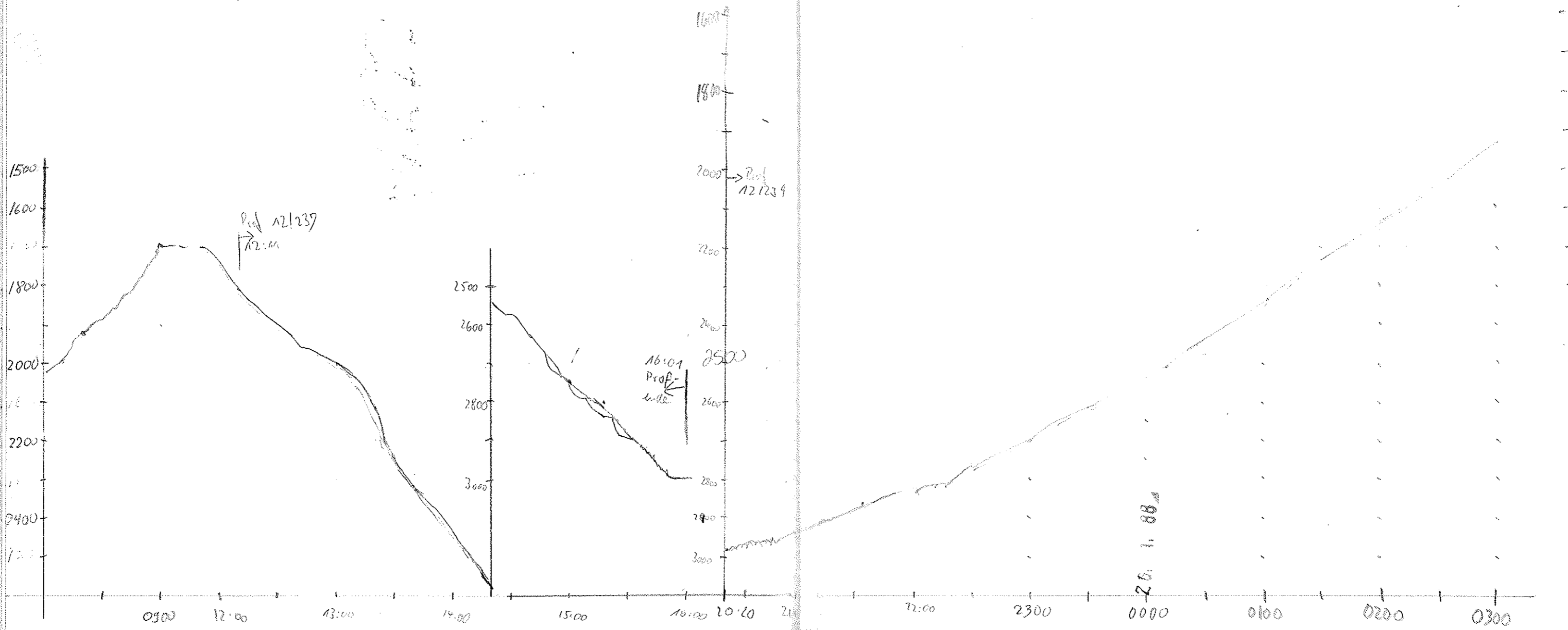
Roll	Profile	Date	Time	Latitude S	Longitude W	Speed	Course	Depth	Range	Sweep	Trigger	Delay	S/Sweep	Pulse	WK	Remarks
12	12/330	24.1.88	4:30	73° 48.46	28° 32.64	9.0	324.5	2644	2531 - 2906	2	KP	.13	1/2	1	Nied	
"	"	"	5:00	45.48	41.79	7.9	314.3	2788	"	"	"	"	"	"	"	Ende 12/330 5:21
"	"	"	5:30	42.76	51.12	9.7	230.3	2880	"	"	"	"	"	"	"	Start 12/337 5:46
"	"	"	6:00	45.25	44.08	7.3	153.3	2787	"	"	"	"	"	"	"	
"	"	"	6:30	48.85	36.07	8.8	142.0	2663	"	"	"	"	"	"	"	
"	"	"	7:00	52.15	27.37	9.8	142.8	2618	"	"	"	"	"	"	"	
"	"	"	7:30	58.88	17.88	9.7	140.4	2605	"	"	"	"	"	"	"	
"	"	"	8:00	73° 59.81	28° 07.73	9.6	140.3	2569	1250 - 2625	5	KPKP	.00	1/2	1	Beard	
"	"	"	8:35	74° 04.12	27° 55.74	9.6	143.0	2490	"	"	"	"	"	"	"	
"	"	"	9:05	07.43	46.84	10.0	143.0	2432	"	"	"	"	"	"	"	
"	"	"	9:30	11.82	38.74	9.9	132.0	2503	"	"	"	"	"	"	"	
"	"	"	10:00	15.64	28.40	10.1	136.2	2463	"	"	"	"	"	"	"	
"	"	"	10:30	19.23	16.11	9.8	133.3	2460	"	"	"	"	"	"	"	
"	"	"	11:00	22.94	05.17	9.6	132.6	2501	"	"	"	"	"	"	"	
12	17/330	24.1.88	11:30	74 26.26	26 56.01	3.7	134.6	2271	1063 - 2438	5	KPKP	.25	1/2	1	Beard	
"	"	"	12:00	28.99	48.17	10.0	139.4	2035	1181 - 2156	2	KP	.13	1/2	1	"	
"	"	"	12:05	29.63	46.43	9.8	146	1764	1406 - 1781	5	KPKP	.13	"	"	Beard	12:24
"	"	"	12:21	32.21	26° 41.72	9.7	66.2	483	467 - 844	3	K-P	.38	"	"	"	Profilante 12/331
"	"	"	13:02	30.08	23.96	0.7	62.6	483	375 - 750	2	KP	.00	"	"	"	Station (Bis) / Stand-
"	"	"	15:22	31.34	31.66	8.6	226.8	475	"	"	"	"	"	"	"	Station 12/332 600m/et 1503
"	"	"	16:05	35.92	50.20	9.3	226.8	573	"	"	"	"	"	"	"	Profilfahrt Ende
"	"	"	16:23	37.89	57.63	9.9	223.3	709	"	"	"	"	"	"	"	Start AGT
"	"	"	16:42	39.59	59.00	7.6	112.6	459	"	"	"	"	"	"	"	
"	"	24.1.88	21:00	74° 37.28	26° 54.29	9.3	031	524	"	"	"	"	"	"	Lothar	



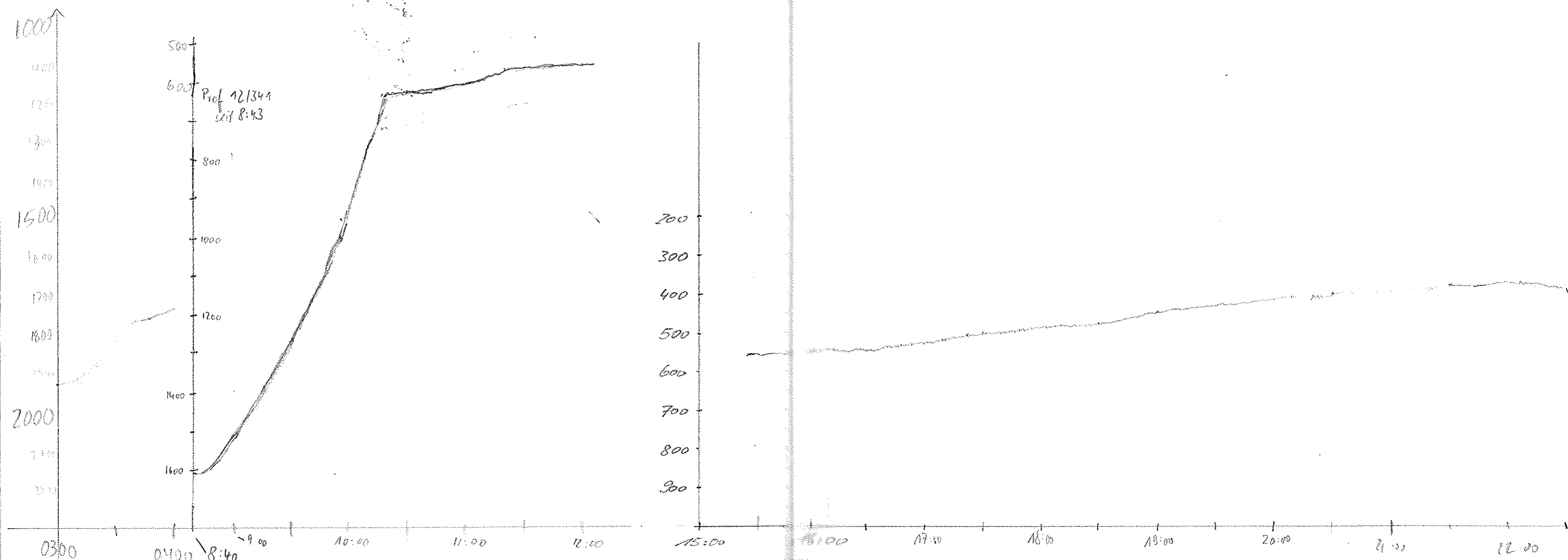
Roll	Profile	Date	Time	Latitude	Longitude	Speed	Course	Depth	Range	Sweep	Trigger	Delay	S/sweep	Pulse Length	W K	Remarks
12	12/234	24. 1. 88	21:35	57° 32.86	126° 43.56	8.8	000	665	375-750	2	KP	0.00	1/2	1	Lothar	Profilbeginn
"	"	"	22:00	29.60	52.97	9.9	327	7070	1969-2344	5	KPKP	.38	1/2	"	"	
"	"	"	22:25	26.87	27° 01.31	9.8	320	7368	7250-2625	"	"	.00	"	"	"	
"	"	"	23:25	10.93	20.89	9.5	330	7352	"	"	"	"	"	"	"	
"	"	"	23:58	14.52	32.36	9.9	315	2465	"	"	"	"	"	"	"	
12	12/34	25. 1. 88	00:30	10.29	44.12	10.0	327.1	2482	"	4	"	"	"	"	MACEZD	
"	"	"	01:02	05.87	55.86	9.9	327.6	2466	"	"	"	"	"	"	"	
"	"	"	01:30	08.19	28° 05.89	9.7	328.8	2535	"	"	"	"	"	"	"	
"	"	"	02:00	73° 58.21	15.90	10.0	328.2	2567	"	"	"	"	"	"	"	
"	"	"	02:30	54.18	25.98	9.6	324.4	2592	2344-2719	2	KP	.38	"	"	"	
"	"	"	03:00	50.29	36.88	9.5	324.4	2614	"	"	"	"	"	"	"	
"	"	"	03:30	46.24	47.24	9.8	324.1	2757	2625-3000	"	"	.00	"	"	"	
"	12/235	"	03:45	44.28	52.76	9.5	292.3	2837	"	"	"	"	"	"	"	Pulse end/Start 12/235
"	17/335	"	4:35	47.50	29° 19.57	9.9	247.9	2758	"	"	"	"	"	"	"	Nied
"	"	"	4:59	49.39	32.03	9.8	226.7	2639	2438-2813	"	"	.25	"	"	"	
"	"	"	5:37	51.07	40.47	9.9	245.8	2530	"	"	"	"	"	"	"	
"	"	"	6:07	52.61	30° 06.21	10.0	248.0	2537	"	"	"	"	"	"	"	
"	"	"	6:30	54.32	22.39	9.9	246.7	2464	2250-2625	5	KPKP	.00	"	"	"	
"	"	"	7:03	56.40	40.47	10.3	245.5	2313	1969-2344	"	"	.38	"	"	"	
"	"	"	7:37	58.12	55.82	10.0	245.8	2465	"	"	"	"	"	"	"	
"	"	"	8:00	59.30	31° 12.15	10.1	245.8	2024	1875-2250	2	KP	.00	"	"	"	



Roll	Profile	Date	Time	Latitude	Longitude	Speed	Course	Depth	Range	Sweep	Trigger	Delay	1/2 Sweep	Pulse Length	W/H	Remarks
12	12/335	25.1.88	08:23	574 01.31	W031 24.90	10.1	247.7	1922	1524 - 1969	2	KP	0.38	1/2	A	Brat	
"	"	"	09:05	3.23	46.68	5.1	103.4	1712	"	"	"	"	"	"	"	Ende der Profile 12/335
"	12/337	"	12:00	2.87	46.45	2.5	311.9	1750	"	"	"	"	"	"	"	Beginn Profil 12/337
"	12/337	"	12:12	02.36	49.43	10.1	310	1763	"	"	"	"	"	"	"	↳ 12:12
"	"	"	12:55	73° 56.67	032 44.01	12.9	314	1974	1969 - 2344	5	KPKP	"	"	"	"	
"	"	"	13:46	49.13	44.61	13.0	317	2338	2344 - 2719	2	KP	"	"	"	"	
"	"	"	14:52	39.21	033 23.11	13.4	312	2706	2625 - 3000	2	KP	.00	"	"	"	
"	"	"	15:58	29.93	034 00.46	6.1	338	2980	2719 - 3094	3	K-P	.38	"	"	"	16:01 Profilenote
"	12/339	"	20:22	29.97	02.57	2.6	177	2983	"	"	"	"	"	"	"	20:22 Profilanfang
"	"	"	21:00	33.11	08.12	4.7	150	2975	"	"	"	"	"	"	"	
"	"	"	21:50	36.85	033 57.11	4.8	164	2846	"	"	"	"	"	"	"	
12	12/339	25.1.88	22:31	39.86	54.86	4.7	165.2	2758	"	"	"	"	"	"	"	MA 000
"	"	"	23:00	42.00	53.58	4.6	163.5	2697	2531 - 2906	2	KP	.13	"	"	"	
"	"	"	23:33	44.53	51.80	4.6	166.7	2616	"	"	"	"	"	"	"	
13	"	26.1.88	00:11	47.38	49.77	4.6	166.0	2507	2250 - 2625	5	KPKP	.00	"	"	"	changed Paper
"	"	"	00:39	49.48	48.84	4.5	169.1	2412	"	"	"	"	"	"	"	
"	"	"	01:02	51.32	48.14	4.6	163.2	2341	"	"	"	"	"	"	"	
"	"	"	01:33	53.67	46.96	4.7	164.4	2238	1969 - 2344	"	"	.38	"	"	"	
"	"	"	02:03	56.07	45.91	4.8	162.1	2137	"	"	"	"	"	"	"	
"	"	"	02:36	58.65	44.01	4.8	161.2	2024	"	"	"	"	"	"	"	
"	"	"	03:00	74° 00.57	42.33	4.8	160.0	1928	1781 - 2156	2	KP	.13	"	"	"	



Roll	Profile	Date	Time GMT	Latitude	Longitude	Speed	Course	Depth	Range	SW	Trigger	Delay	SW	Pulse length	JH	Remarks
13	12/339	26.1.88	03:47	57° 03.93	W 33° 39.64	1.1	181	1753	1594-1969	2	KP	.38	1/2	1	MADO	
"	"	"	04:00	70° 01.44	033° 39.21	3.0	185	1730	"	"	"	"	"	"	Bichme	
"	"	"	04:21	05.45	39.31	2.2	142	1675	"	"	"	"	"	"	Bichme	
"	"	"	04:34	05.50	39.43	-	"	1668	"	"	"	"	"	"	Bichme	
"	12/341	"	08:44	06.34	38.79	0.5	160	1642	1406-1781	5	KPK-P	.13	"	"	Lothar	
"	"	"	9:15	10.25	41.85	12.5	202	1399	1081-1406	2	KP	.13	"	"	"	
"	"	"	9:54	16.08	45.52	12.0	197	1046	656-1031	3	K-P	"	"	"	"	
"	"	"	10:15	19.98	49.89	9.4	188	660	375-750	2	KP	.00	"	"	"	
"	"	"	11:00	27.75	57.58	9.4	188	578	"	"	"	"	"	"	"	
"	"	"	11:45	35.06	59.02	8.4	176	556	"	"	"	"	"	"	"	
"	"	"	12:03	37.97	34° 00.92	9.1	184.9	558	"	"	"	"	"	"	Nied	
"	"	"	12:12	38.22	02.26	1.4	142.6	557	"	"	"	"	"	"	"	
"	12/343	"	15:25	38.94	05.96	3.5	347.8	556	"	"	"	"	"	"	"	
"	"	"	16:00	40.10	21.84	3.9	253.7	545	"	"	"	"	"	"	"	
"	"	"	16:36	74° 41.18	34 33.65	7.4	268.1	527	"	"	"	"	"	"	Tritz	
"	"	"	17:36	38.02	52.99	11.4	202.2	491	"	"	"	"	"	"	"	
"	"	"	18:30	40.24	35° 19.36	11.7	238.0	479	"	"	"	"	"	"	"	
"	"	"	19:00	42.09	39.24	7.2	230.7	444	"	"	"	"	"	"	"	
"	"	"	20:00	44.63	36° 08.44	6.5	268.1	412	"	"	"	"	"	"	"	
13	12/343	26.1.88	20:30	74° 40.58	36° 24.16	8.9	238.9	400.7	188-563	2	KP	.25	1/2	1	Beard	
"	"	"	21:00	41.39	39.17	8.8	285.9	388.0	"	"	"	"	"	"	"	
"	"	"	21:30	41.73	53.91	7.7	250.0	375	"	"	"	"	"	"	"	
"	"	"	22:00	41.52	37° 10.85	4.5	283.9	372	"	"	"	"	"	"	"	
"	"	"	22:30	40.46	26.56	7.7	242.6	380	"	"	"	"	"	"	"	

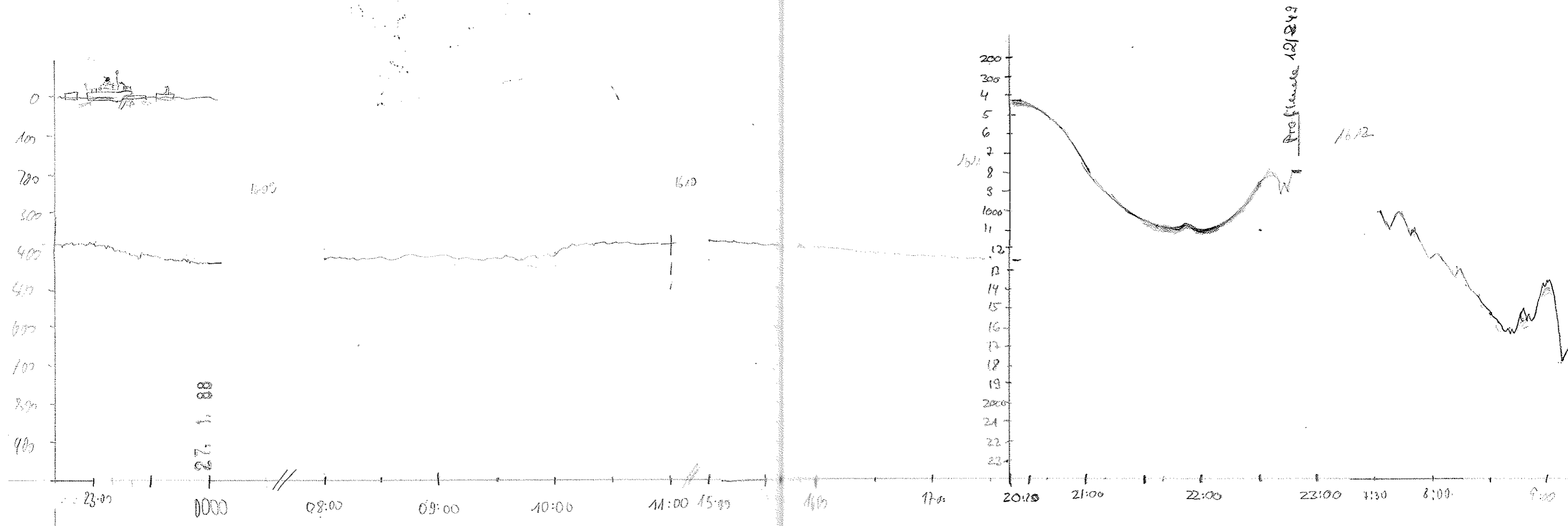


Profilsende, Stand leg
 Profilbeginn 15:37

Eisgang
 festere rinnen

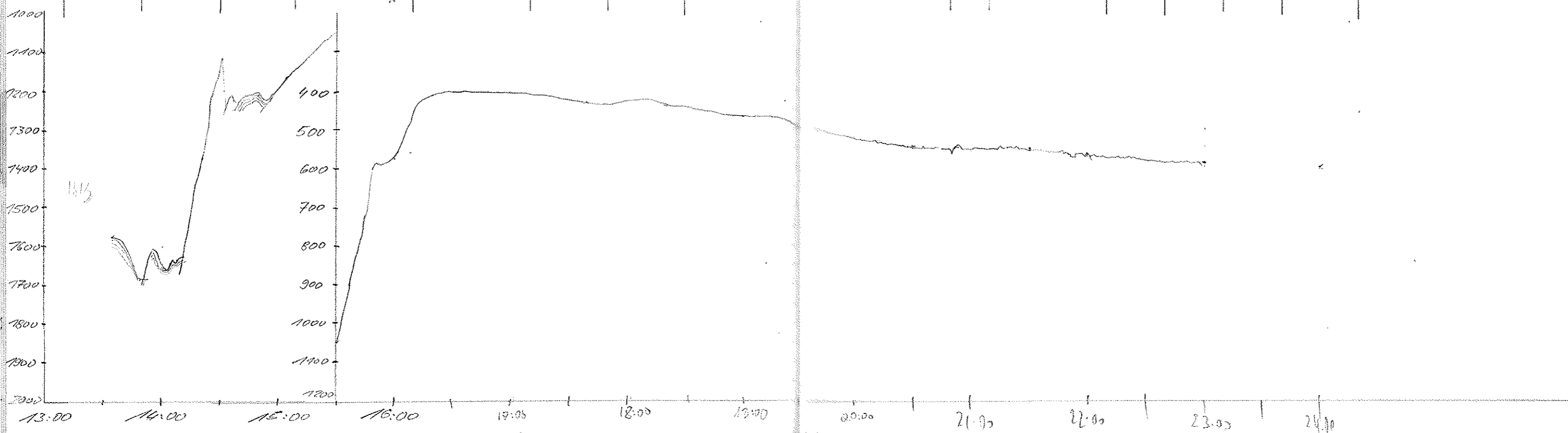
Eis

Polle	Prof. Nr.	Datum	Zeit GMT	Lat. [S]	Lon [E/W]	Faktor	hurs	Tiefe	Bereich [m]	SU	Trigger	Delay	1/ser	Pulsf.	Uach benutzt	
13	12/343	26.01.88	23:00	74° 38.75	N 37° 36.96	8.6	252.9	382	188-563	2	KP	.25	1/2	1.0	Bonus	EIS
"	"	"	23:30	40.22	51.15	5.0	256.5	422.0	"	"	"	"	"	"	"	"
13	12/343	"	29:00	40.64	38.00 80	8.9	262.5	428.0	"	"	"	"	"	"	"	"
13	12/343	27.01.88	00:06	46.75	07.38	4.9	242.3	427	"	"	"	"	"	"	"	NAKED ON station
"	12/345	"	08:22	74° 44.53	38° 74.29	2.4	701.9	422	"	"	"	"	"	0.5	Bonus	Neues Profil 12/345
"	"	"	09:38	44.12	14.02	7.4	108.7	427	"	"	"	"	"	"	"	Beginn Profilfakt.
"	"	"	09:09	44.06	00.54	10.0	41.1	428	"	"	"	"	"	"	"	Fachisi
"	"	"	10:18	38.74	37° 23.99	10.1	158.4	375	"	"	"	"	"	"	"	"
"	"	"	11:00	40.17	02.48	1.9	44.8	371	"	"	"	"	"	"	"	Ende Profil 12/345
"	12/347	"	14:53	39.78	36° 59.67	0.9	339	374	"	"	"	"	"	"	"	Stat 12/346
13	12/347	27.1.88	16:00	74° 38.39	38° 37.30	5.7	153	391	188-563	2	KP	.25	1/2	0.5	Bonus	Profilstart, starkes Ausgang
"	"	"	16:30	38.97	36° 24.65	8.1	77.2	399	"	"	"	"	"	"	"	"
"	"	"	17:00	38.51	12.72	6.5	147.8	417	"	"	"	"	"	"	"	dickes Eis
"	"	"	17:30	38.68	01.64	6.5	235	422	"	"	"	"	"	"	"	Prof. C 347 Ende
"	"	"	18:00	36.98	00.91	0.5	10.00	424	"	"	"	"	"	"	"	Prof. 12/349 Beginn
"	12/349	"	20:25	74° 36.35	36° 06.08	8.8	10.00	422	188-563	2	KP	.25	1/2	0.5	Herbed	Prof. 12/349 Beginn
"	"	"	20:49	33.21	36° 07.69	7.7	354.8	559	468-844	3	K-P	.38	"	"	"	(EIS)
"	"	"	21:03	31.01	06.72	10.6	9.5	789	750-1175	"	"	.00	"	1.0	"	"
"	"	"	21:38	27.53	16.94	8.4	204.2	1077	1031-1406	2	KP	.13	"	1.0	"	"
"	"	"	22:02	26.53	36.31	11.8	257.4	1056	750-1175	3	K-P	.00	"	1.0	"	"
"	"	"	22:37	25.72	54.20	10.8	202.6	847	"	"	"	"	"	"	"	"
"	"	"	22:47	25.22	52.42	0.0	232.1	863	"	"	"	"	"	"	"	Prof. Ende 12/349
13	12/351	28.1.88	07:33	74° 24.08	037° 01.42	6.3	23.8	1001	750-1125	3	K-P	.00	1/2	1.0	Brühme	Prof. Anfang 12/351
"	"	"	08:00	74° 22.02	036° 56.18	4.5	106.8	1251	938-1313	2	K-K-	.25	1/2	1.0	"	"
"	"	"	8:30	18.40	46.54	11.0	0.78	1522	1500-1875	5	KPK-P	.00	1/2	"	Lothw	"
"	"	"	9:17	10.97	37.16	2.1	130	1616	"	"	"	"	"	"	"	Profilende

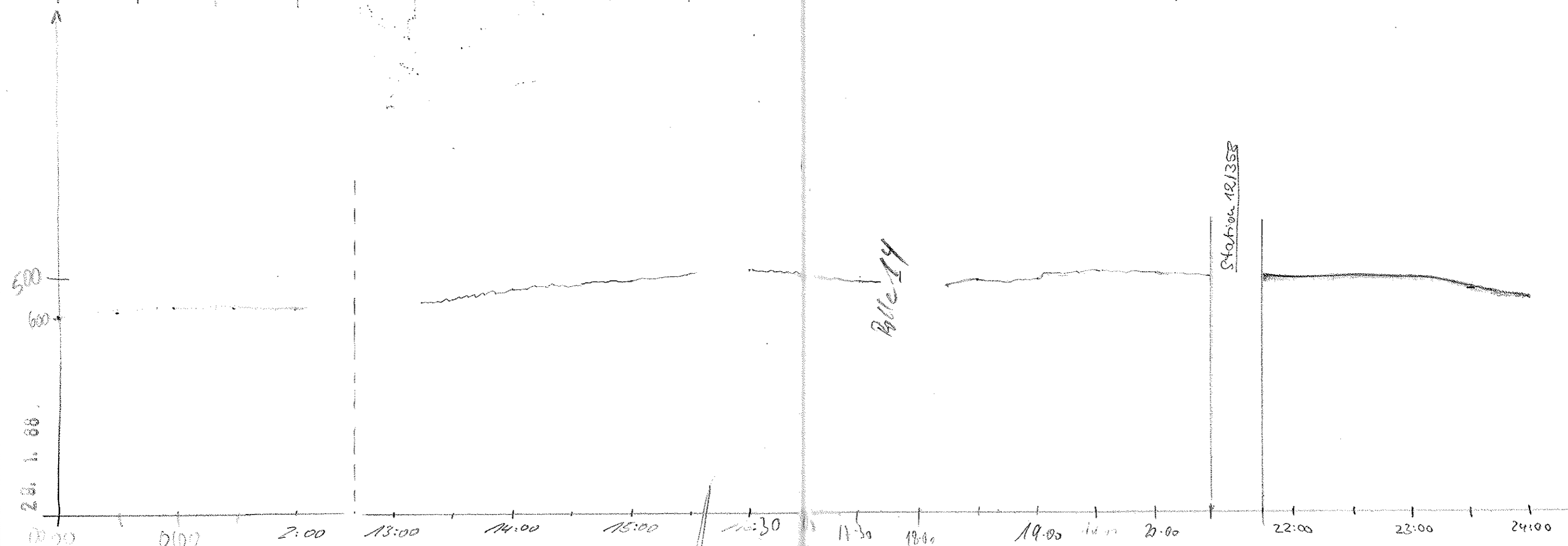


Zolle	Profil	Date	GMT	Lat [°S]	Lon [°W]	Speed	Kdg	Depth	Bereich	Sw	Trigger	Delay	sec/sw	Pulse length	Minster	Baug
13		28.1.88	9:58	14° 13.18	36° 42.35	10.7	186	1517	1313 - 1688	5	KPK-P	.25	1/2	1.0	Lothar	Stationssuche
"	12/353	"	13:35	14.51	41.50	0.3	116.4	1576	"	"	"	"	"	"	Nied	Profilbeginn
"	"	"	13:48	15.18	39.72	8.7	137.5	1682	1594 - 1069	2	KP	.38	"	"	"	"
"	"	"	14:22	18.75	26.07	10.0	178	1376	1031 - 1406	2	"	.13	"	"	"	"
"	"	"	15:07	25.92	24.87	5.7	185.9	1163	"	"	"	"	"	"	"	"
"	"	"	15:26	28.20	21.74	9.9	183.7	1031	750 - 1125	3	K-P	.00	"	"	"	"
"	"	"	15:47	31.70	17.26	11.4	165.9	721	375 - 750	2	KP	"	"	"	"	"
"	"	"	16:00	33.07	14.43	4.0	175.1	577	"	"	"	"	"	"	"	"
"	"	"	16:23	36.04	19.52	9.6	156.5	411	"	"	"	"	"	"	Melles	"
"	"	"	17:04	37.66	10.74	8.1	82.4	417	"	"	"	"	"	"	"	"
"	"	"	17:46	36.94	35°48.83	10.9	90.2	440	"	"	"	"	"	"	Kuhn	"
"	"	"	18:05	38.63	43.77	6.1	136.2	439	"	"	"	"	"	"	Melles	"
"	"	"	18:31	35.50	42.64	11.5	27.5	455	"	"	"	"	"	"	"	"
"	"	"	19:03	35.13	21.87	11.4	103.1	473	"	"	"	"	"	"	"	"
"	"	"	19:32	36.94	04.00	12.1	125.0	501	"	"	"	"	"	"	"	"
"	"	"	19:57	38.33	34°48.88	9.1	97.9	523	"	"	"	"	"	"	"	"
13	12/353	28.1.88	20:30	74 39.78	34°24.42	11.7	101.0	548	"	"	"	"	"	"	Bernes	"
"	"	"	21:01	42.89	06.18	10.8	143.3	547	"	"	"	"	"	"	"	"
"	"	"	21:30	47.39	33 52 20	11.5	154	559	"	"	"	"	"	"	"	"
"	"	"	22:00	52.85	44.27	12.0	178	563	"	"	"	"	"	"	"	"
"	"	"	22:30	57.97	50.88	11.4	209.9	569	"	"	"	"	"	"	"	"
"	"	"	23:00	75 02.42	33 38.17	11.7	180	581	"	"	"	"	"	"	"	"
"	"	"	23:30	77 06.83	33 43.32	9.0	226.2	586.0	"	"	"	"	"	"	"	"
13	12 353	29.1.88	00 01	75 11.57	33 45 90	10.0	207.2	596.0	"	"	"	"	"	"	"	"

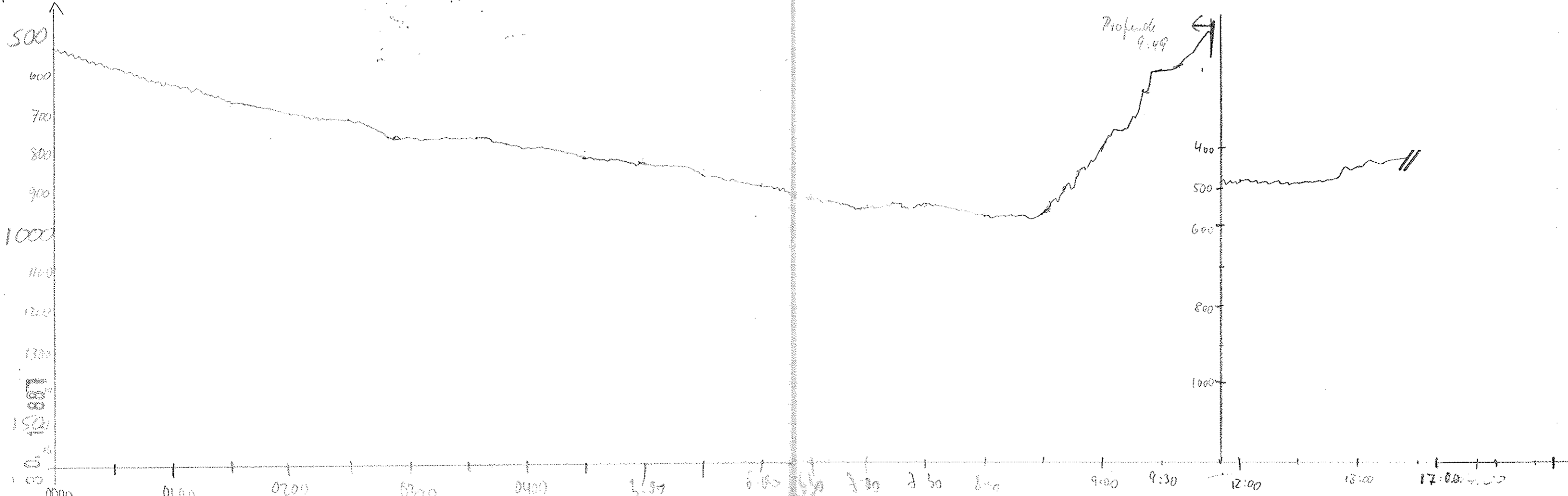
Sispaug



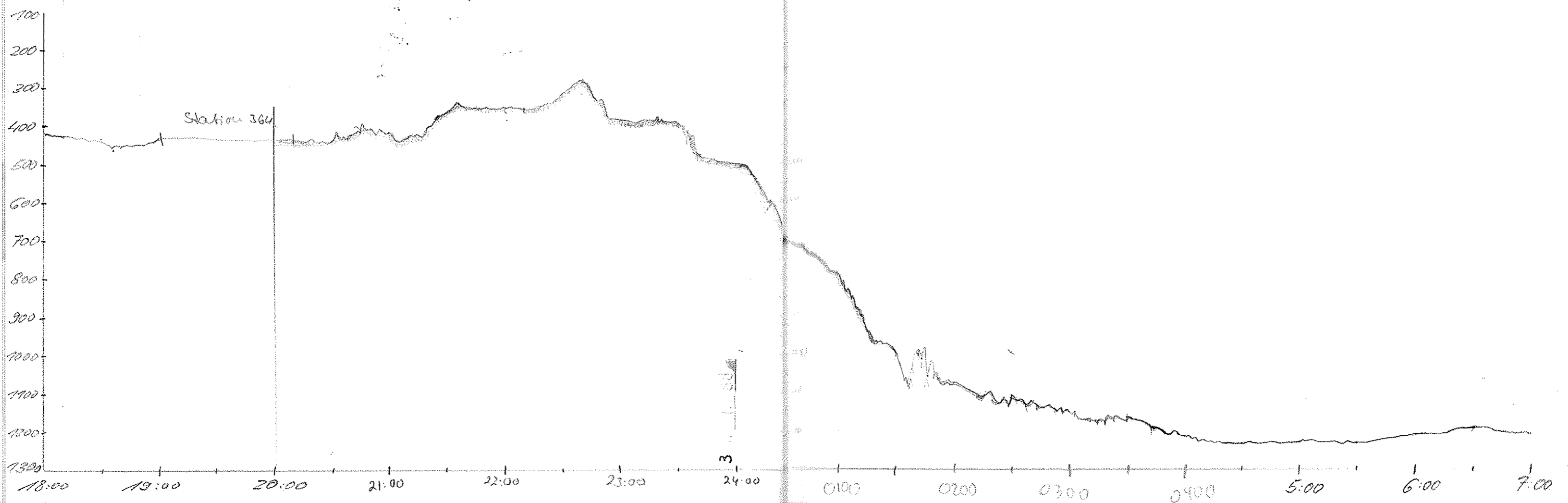
Roll	Profile	Date	GMT (Zulu)	Latitude	Longitude	Speed	Course	Depth	Range	SW	Trigger	Delay	%SW	Pulse	John Hancock	Remarks	105
13	12/353	28. 1.	0032	S 75° 13.20	W 34° 06.66	12.1	267.3	586	375-750	2	KP	-00	1/2	1	MARCO		
"	"	"	0100	13.85	28.08	12.2	266.5	572	"	"	"	"	"	"	"		
"	"	"	0135	16.83	43.61	9.1	187.4	570	"	"	"	"	"	"	"		
"	"	"	0203	17.68	45.36	00.2	144.2	571	"	"	"	"	"	"	"		
"	"	"	0207	17.71	45.23	01.9	138.1	525	"	"	"	"	"	"	"		
"	12/355	"	13:46	19.27	47.94	1.6	247.5	568	"	"	"	"	"	0.5	Wied	End Profile Profilebeginn	
"	"	"	14:00	22.57	35° 15.78	11.7	244.4	530	"	"	"	"	"	"	"		
"	"	"	14:35	27.33	33.68	11.6	255.9	525	"	"	"	"	"	"	"		
"	"	"	15:00	28.44	52.07	11.6	255.2	574	"	"	"	"	"	"	"		
"	"	"	15:30	29.87	36° 13.72	6.0	230.7	497	"	"	"	"	"	"	"		
"	12/357	"	16:28	75° 30.24	36° 15.62	4.5	205.0	484	"	"	"	"	"	"	MARCO	Profile begin	
"	"	"	17:00	35.99	19.47	12.2	197.0	498	"	"	"	"	"	"	Bond		
"	"	"	17:31	41.22	27.37	11.8	196.8	511	"	"	"	"	"	"	"		
13	12/357	29. 1. 88	17:50	75° 44.04	36° 40.15	11.7	198	515	"	"	"	"	"	"	"		
14	12/357	"	18:15	75° 47.03	36° 48.84	11.9	209.6	523.0	"	"	"	"	"	"	"		
"	"	"	18:30	48.58	59.19	12.4	233	512.0	"	"	"	"	"	"	"		
"	"	"	19:00	51.24	37° 20.14	12.0	230	506.0	"	"	"	"	"	"	"		
"	12/357	"	19:30	54.41	39.71	12.7	230.1	490	"	"	"	"	"	"	"		
"	"	"	20:00	75° 58.67	37° 55.14	12.2	231.5	495	"	"	"	"	"	"	Bond		
"	12/357	"	20:27	76° 00.03	38° 10.51	1.1	207.9	484	"	"	"	"	"	"	Henfeld	Profileende Profilebeginn	
"	12/358	"	21:45	00.23	12.17	1.8	41.5	482	"	"	"	"	"	"	"		
"	"	"	22:25	75° 57.65	37° 54.28	8.3	57.1	482	"	"	"	"	"	"	"		
"	"	"	23:07	54.15	36.14	8.7	76.9	493	"	"	"	"	"	"	"		
"	"	"	23:57	54.86	39° 07.74	8.8	130.6	536	"	"	"	"	"	"	"		



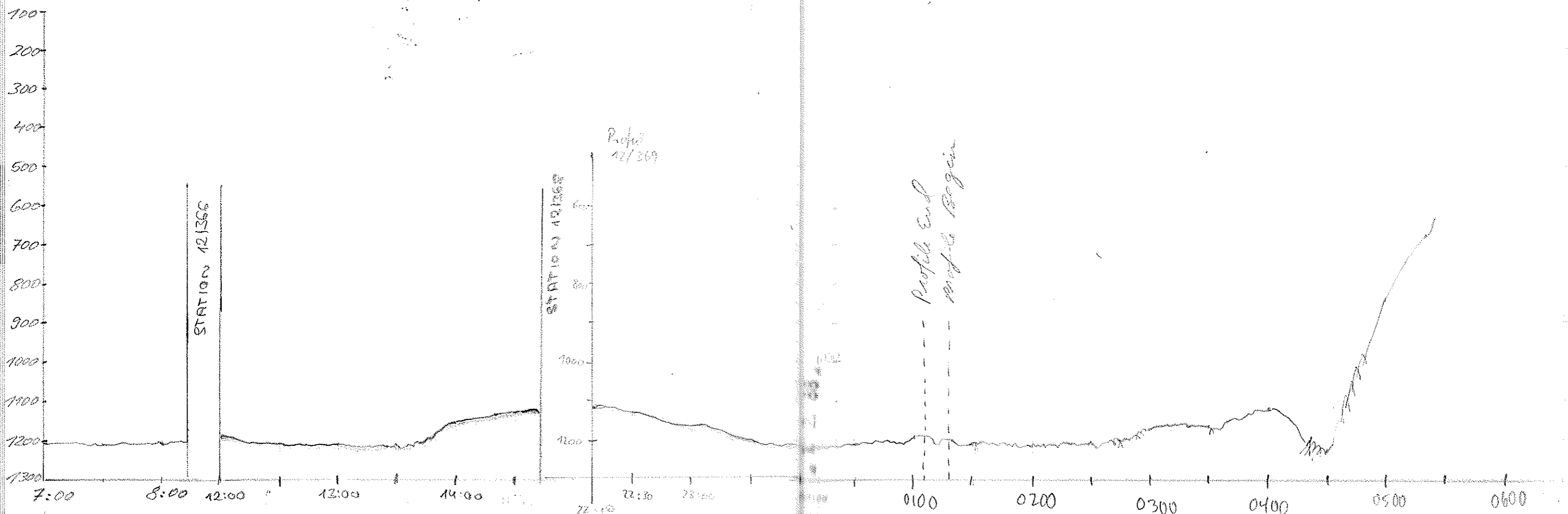
Roll	Profile	Date	Time GMT	Latitude	Longitude	Speed	Course	Depth	Range	SW	Trigger	Delay	sec/SW	pulse R	John Harwood	REMARKS	107
14	12/359	30. 1. 88	0038	S 75° 58.82	W 36° 54.94	8.8	143.2	583	375-750	2	VP	.00	1/2	1/2	Macedo		
"	"	"	0104	76° 02.81	45.69	9.0	150.2	640	"	"	"	"	"	"	"		
"	"	"	0130	06.11	37.61	8.9	150.3	674	563-938	3	K-P	.25	"	"	"	} 563-938 soundings down data into 4" - no more problems once I changed the range to 469-844 (0225 Seabeam on)	
"	"	"	0202	08.72	28.52	9.4	090.8	686	"	"	"	"	"	"	"		
"	"	"	0230	07.96	12.76	9.5	080.7	711	469-844	10	"	.38	"	"	"		
"	"	"	0305	09.22	35° 53.03	9.1	119.2	757	"	"	"	"	"	"	"		
"	"	"	0334	12.24	42.27	8.9	145.0	763	"	"	"	"	"	"	"		
"	"	"	0400	15.22	33.35	9.0	147.1	782	"	"	"	"	"	"	"		
"	"	"	4:30	18.72	25.59	9.0	156	815	656-1031	"	"	.13	"	"	Broad		
"	"	"	5:00	22.58	14.00	8.9	156	837	"	"	"	"	"	"	"		
"	"	"	5:30	26.42	15.45	8.8	158	864	"	"	"	"	"	"	"		
"	"	"	6:00	30.52	08.35	9.1	153	890	"	"	"	"	"	"	"		
"	"	"	6:30	34.69	00.42	9.0	157.1	922	"	"	"	"	"	"	"		
"	"	"	7:00	38.34	34. 53.34	9.1	153.0	949	"	"	"	"	"	"	"		
"	"	"	7:30	42.51	45.28	9.1	150.3	960	"	"	"	"	"	"	"		
14	12/359	30.1.88	8:00	46.46	37.02	9.0	153.3	971	656-1031	3	K-P	.12	1/2	5	Broad		
"	"	"	8:53	53.77	27.86	9.4	152	859	"	"	"	"	"	"	Lofas		
"	"	"	9:20	57.67	15.08	9.5	143	647	375-750	2	KP	.00	"	"	"		
"	"	"	9:49	77° 01.28	06.44	6.4	108	490	"	"	"	"	"	"	"	Profilende	
"	12/361	"	11:53	01.02	02.45	5.6	204	470	"	"	"	"	"	"	"	Profilende	
"	"	"	12:30	06.69	06.64	9.8	103.7	488	"	"	"	"	"	"	Nied		
"	"	"	13:00	11.09	12.06	9.6	180.4	449	"	"	"	"	"	"	"		
"	"	"	13:24	14.68	14.78	6.9	187.7	423	"	"	"	"	"	"	"	Profilende	
"	"	"	13:57	14.67	16.55	0	130.3	493	188-563	"	"	"	"	"	"	Stationsbeginn 13:30	
"	12/363	"	17:03	77° 17.07	34. 20.46	6.2	216	428	"	"	"	"	"	"	Broad	12/363	



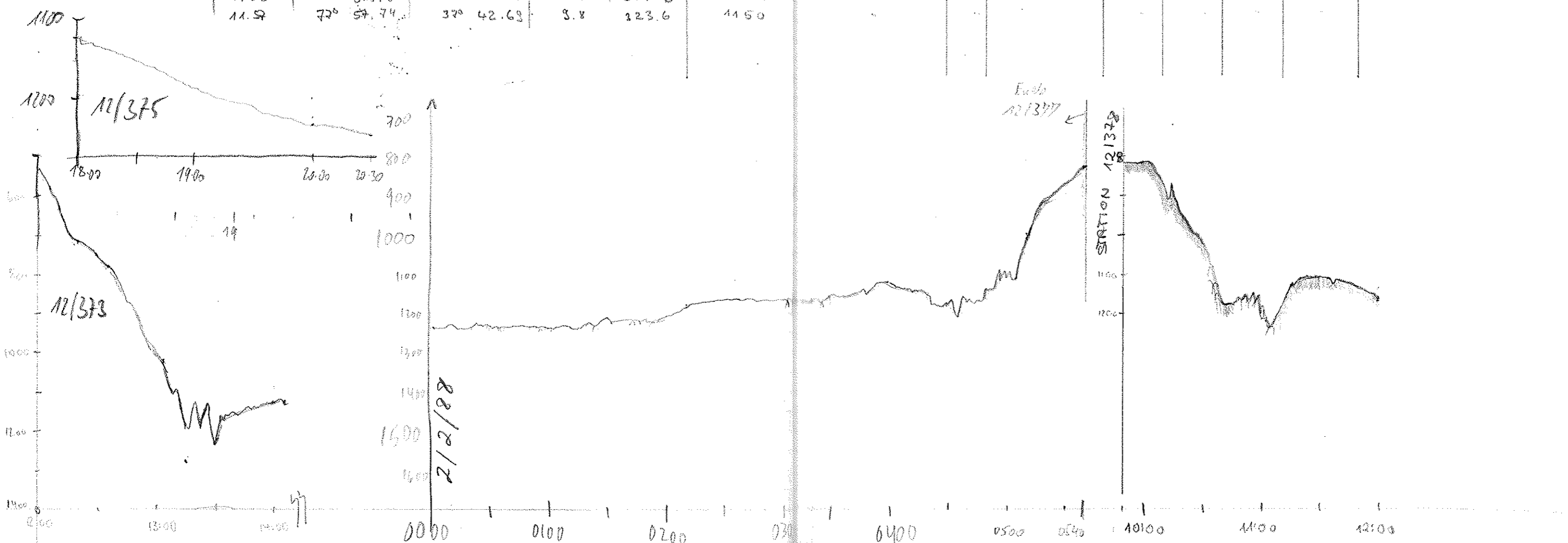
Roll	Profile	Date	Time GMT	Latitude	Longitude	Speed	Course	Depth	Range	SW	Trigger	Delay	sec/15W	pulse/l.	WK	Remarks
14	12/363	30.1.88	18:09	77° 25.67	340 49.41	9.6	244.2	436	188-563	2	KP	.25	1/2	0.5	Nied	
"	"	"	18:37	29.00	35° 00.42	9.6	208.9	458	"	"	"	"	"	"	"	
"	"	"	18:57	37.63	06.60	5.6	154.2	435	"	"	"	"	"	"	"	18:55 Profilende
"	12/365	"	20:00	31.48	35° 08.50	7.1	194.3	434	"	"	"	"	"	"	Herfeld	Profilbeginn
"	"	"	20:29	35.62	12.66	8.2	194.5	410	"	"	"	"	"	"	"	
"	"	"	21:00	40.58	18.50	8.2	194.2	408	"	"	"	"	"	"	"	
"	"	"	21:28	45.02	24.54	8.5	194.6	368	"	"	"	"	"	"	"	(Übergang des Kanals)
"	"	"	21:57	49.40	28.80	8.0	175.4	254	"	"	"	"	"	"	"	
"	"	"	22:24	53.54	28.84	8.1	180.7	320	"	"	"	"	"	"	"	
"	"	"	22:46	56.88	38.77	8.7	224.7	381	"	"	"	"	"	"	"	
"	"	"	23:04	59.18	50.20	8.5	221.2	387	"	"	"	"	"	"	"	
"	"	"	23:30	78° 01.75	36° 05.56	8.1	224.	388	"	"	"	"	"	"	"	
"	"	31.1.88	24:00	04.64	22.43	8.8	215.3	504	350-750	2	KP	.00	1/2	"	"	
14	12/365	31.1.88	00:30	578° 08.19	36.44	9.1	215.6	699	"	"	"	"	"	"	MACEDO	00:32 SEARBEITUNG
"	"	"	01:00	11.77	50.99	8.3	217.3	787	656-1031	3	K-P	.13	"	"	"	
"	"	"	01:31	15.58	37° 06.26	8.6	211.2	1002	844-1219	2	KP	.38	"	"	"	
"	"	"	02:00	18.66	20.75	7.7	222.7	1078	"	"	"	"	"	"	"	
"	"	"	02:30	20.55	41.80	9.5	269.4	1109	"	"	"	"	"	"	"	
"	"	"	03:00	18.33	38° 01.86	9.2	309.8	1153	1031-1406	2	KP	.13	"	"	"	
"	"	"	03:30	15.77	21.40	9.6	285	1172	"	"	"	"	"	"	"	
"	"	"	03:58	15.25	45.11	10.8	249.8	1215	"	"	"	"	"	"	"	
"	"	"	4:30	15.00	39° 09.59	9.5	269.7	1239	"	"	"	"	"	"	Nied	
"	"	"	5:00	14.97	29.18	9.4	269.2	1229	"	"	"	"	"	"	"	
"	"	"	5:30	14.29	26.47	9.4	37.1	1234	"	"	"	"	"	"	"	
"	"	"	6:00	09.57	22.24	9.6	349.2	1215	"	"	"	"	"	"	"	
"	"	"	6:39	04.71	24.48	9.3	21.5	1193	"	"	"	"	"	"	"	
"	"	"	7:00	02.51	07.15	9.0	95.4	1207	"	"	"	"	"	"	"	



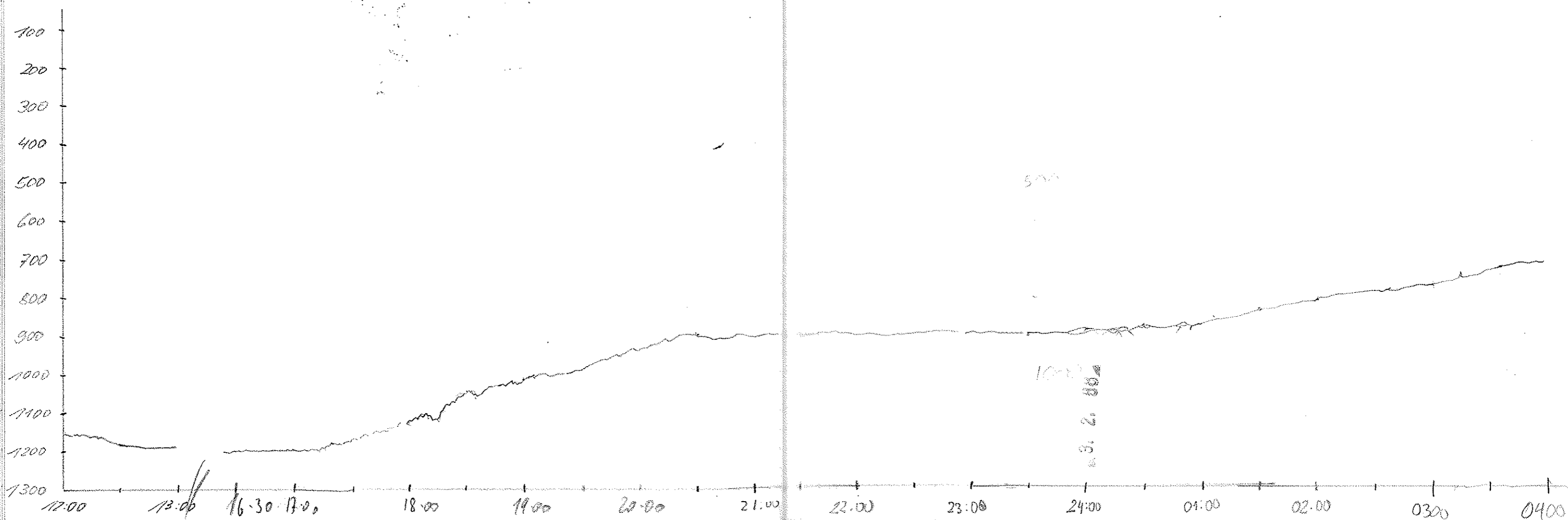
Roll	Profile	Date	Time	Latitude	Longitude	Speed	Course	Depth	Range	SW	Trigger	Delay	sec/1SW	Pulse	WK	Remarks
14	12/365	31.1.88	7:30	78° 03.41	38° 52.81	8.3	291.6	1220	1031-1406	2	KP	.13	1/2	1.	Nied	
"	"	"	8:00	01.80	39° 13.27	4.7	279.6	1212	"	"	"	"	"	"	"	
"	"	"	8:37	01.78	39° 19.54	2.4	185.5	1191	"	"	"	"	"	"	"	ENDE PROFIL 12/365
	12/367	"	12:03	02.58	24.22	3.5	89.7	1186	"	"	"	"	"	"	"	HERZFELD PROFILBEGINN
			12:32	02.51	05.08	2.4	88.5	1205	"	"	"	"	"	"	"	
			12:58	02.47	38° 48.12	8.9	95.9	1215	"	"	"	"	"	"	"	
			13:33	02.01	19.83	2.2	91.3	1189	"	"	"	"	"	"	"	
			14:00	02.14	04.64	2.2	90.5	1156	"	"	"	"	"	"	"	
			14:32	01.93	39° 41.67	9.0	89.9	1138	"	"	"	"	"	"	"	
			14:41	02.05	35.73	6.3	104.9	1125	"	"	"	"	"	"	"	PROFIL ENDE
14	12/369	31.1.88	22:16	78° 02.98	37° 29.80	7.3	266.7	1123	"	"	"	"	"	"	"	Lothes Profilbeginn
"	"	"	23:15	78° 03.48	38° 13.03	9.3	248.7	1187	"	"	"	"	"	"	"	
"	"	"	23:45	03.88	34.00	9.5	258	1212	"	"	"	"	"	"	"	
14	12/369	1.2.88	00:04	S 78° 03.49	W 38° 48.12	9.5	268.7	1216	"	"	"	"	"	"	"	MAGDO
"	"	"	00:36	03.48	39° 05.49	7.3	263.0	1208	"	"	"	"	"	"	"	
"	"	"	01:00	03.82	21.84	9.0	265.4	1193	"	"	"	"	"	"	"	0105 Profile End
"	12/370	"	01:32	04.78	14.86	9.1	085.7	1208	"	"	"	"	"	"	"	0118 Profile Begin
"	"	"	02:01	04.47	38° 55.62	9.0	089.9	1218	"	"	"	"	"	"	"	
"	"	"	02:30	05.04	35.11	8.7	098.8	1218	"	"	"	"	"	"	"	
"	"	"	03:01	04.75	13.57	8.7	066.4	1176	"	"	"	"	"	"	"	
"	"	"	03:32	04.18	37° 53.16	8.8	088.9	1161	"	"	"	"	"	"	"	
"	"	"	04:00	04.04	34.13	8.8	089.6	1122	"	"	"	"	"	"	"	
"	12/371	"	4:30	04.23	12.15	9.0	93.1	1230	"	"	"	"	"	"	"	Nied 4:05 Profilbeginn
"	"	"	4:45	04.34	01.28	8.8	91.9	1076	656-1031	3	K-P	"	"	"	"	
"	"	"	5:00	04.28	36° 48.74	8.7	94.8	846	"	"	"	"	"	"	"	
"	"	"	5:26	9.65	29.61	8.5	93.6	644	75-750	2	KP	"	"	"	"	Profilende 5:37
15	-	"	6:02	5.15	22.97	0	286.4	521	"	"	"	"	"	"	"	Rolle gewechselt



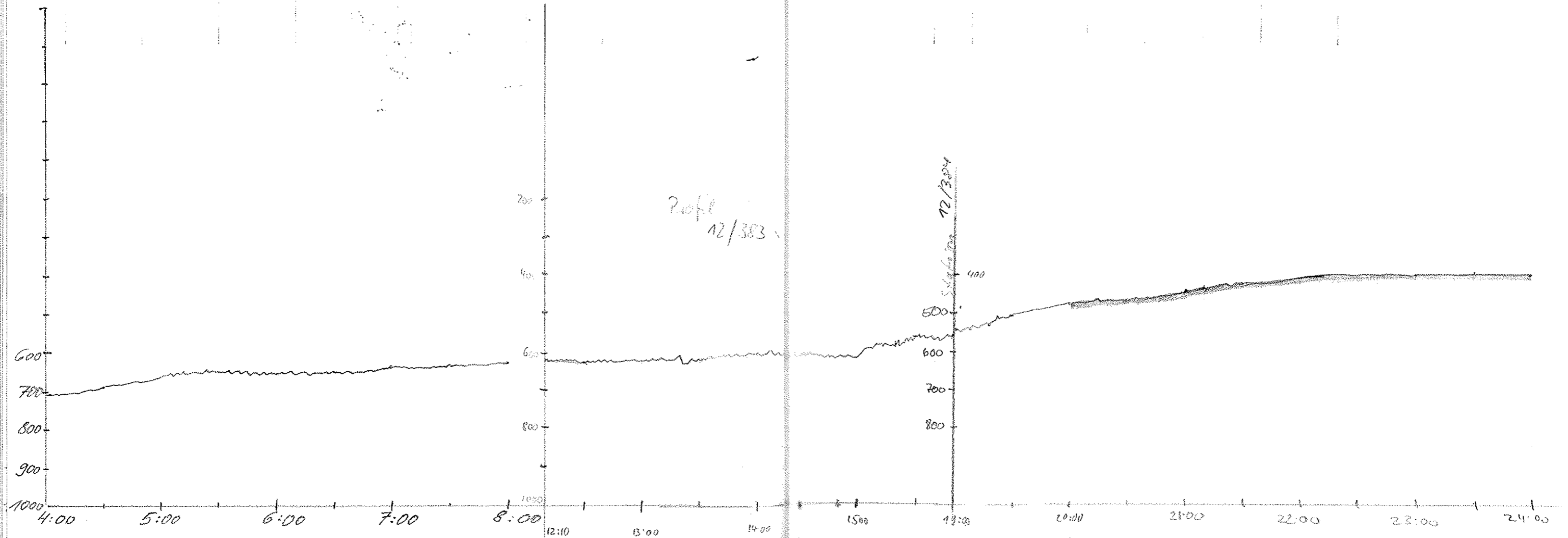
Rollé	Profile	DATE	TIME	LAT	LOX	SPEED	COURSE	DEPTH	RANGE	SW	TRIGGER	DELAY	SEC/SW	QUEUE	WK	REMARKS
15	—	1.2.88	11.53	78° 05.43	36° 24.20	3.1	252.6	543	375 - 750	2	KP	0.00	1/2	1.	Henfield	
"	121373	"	12.00	5.46	27.14	5.5	243.0	541	"	"	"	"	"	"	"	PROFIL BEGINN
"	"	1.2.88	12.21	06.87	40.87	8.4	242	737	656 - 1031	3	K-P	.13	"	"	Lothar	
"	"	"	13.03	09.44	37° 02.88	8.3	239	1023	938 - 1343	2	KP	.25	"	"	"	
"	"	"	14.06	13.69	43.32	8.9	237	1126	"	"	"	"	"	"	"	
"	"	"	14.18	14.78	48.88	6.4	219	1135	"	"	"	"	"	"	"	Profile ends
"	12/375	"	17:52	78° 13.32	37° 42.61	0.2	202.2	1124	"	"	"	"	"	"	Prod	Stations ends
"	"	"	19:59	15.01	39° 09.77	9.0	268.4	1238	"	"	"	"	"	"	"	Profile ends
"	12/375	"	20.24	78° 15.22	39° 26.91	2.9	143.6	1235	"	"	"	"	"	"	Bem	Profile ends 375/19.30
15	17/377	1.2.88	23.40	78° 16.48	39° 25.55	2.7	49.5	1248.0	"	"	"	"	"	"	Bemel	Profile begins 17/377
15	12/377	2.2.88	00.02	78° 14.49	39° 19.18	2.1	31.6	1235.0	"	"	"	"	"	"	"	
15	12/377	2.2.88	00.32	5.78° 14.36	W 39° 04.00	7.3	20.1	1240	"	"	"	"	"	"	MACRO	
"	"	"	01.02	14.12	38° 47.68	7.1	91.4	1238	"	"	"	"	"	"	"	
"	"	"	01.31	13.95	36.64	4.6	92.2	1205	"	"	"	"	"	"	"	
"	"	"	02.10	13.82	22.74	4.8	89.0	1178	"	"	"	"	"	"	"	
"	"	"	02.37	13.81	12.73	4.4	84.8	116.3	"	"	"	"	"	"	"	
"	"	"	03.16	13.33	37° 58.63	4.2	88.5	116.4	"	"	"	"	"	"	"	
"	"	"	03.32	13.22	52.58	4.7	82.7	115.2	"	"	"	"	"	"	"	
"	"	"	04.00	12.93	41.69	4.9	91.6	1129	"	"	"	"	"	"	Lothar	
"	"	"	04.45	12.39	47.69	7.5	094	97.9	"	"	"	"	"	"	"	
"	"	"	05.167	12.49	37° 00.03	7.1	084	93.3	656 - 1031	3	K-P	.13	"	"	"	
"	"	"	05.40	12.43	36° 35.13	3.6	084	82.7	"	"	"	"	"	"	"	Profile ends
"	"	"	08.36	12.54	53.53	0.6	85.5	82.1	"	"	"	"	"	"	Henfield	(AGT)
"	"	"	08.06	12.47	52.80	0.4	83.3	82.0	"	"	"	"	"	"	"	(AGT ends)
"	"	"	8.53	12.18	52.60	0.6	81.7	81.6	"	"	"	"	"	"	"	
"	121373	"	10.00	12.08	52.38	2.8	2.3	81.4	"	"	"	"	"	"	"	PROFIL BEGINN
"	"	"	10.22	40.25	32° 00.73	3.7	324.1	863	332 - 1343	2	KP	.25	"	"	"	
"	"	"	11.08	05.40	18.11	3.6	330.1	120.6	"	"	"	"	"	"	"	
"	"	"	11.28	01.70	30.19	3.3	324.3	111.6	"	"	"	"	"	"	"	
"	"	"	11.59	72° 57.74	37° 42.63	3.8	123.6	115.0	"	"	"	"	"	"	"	



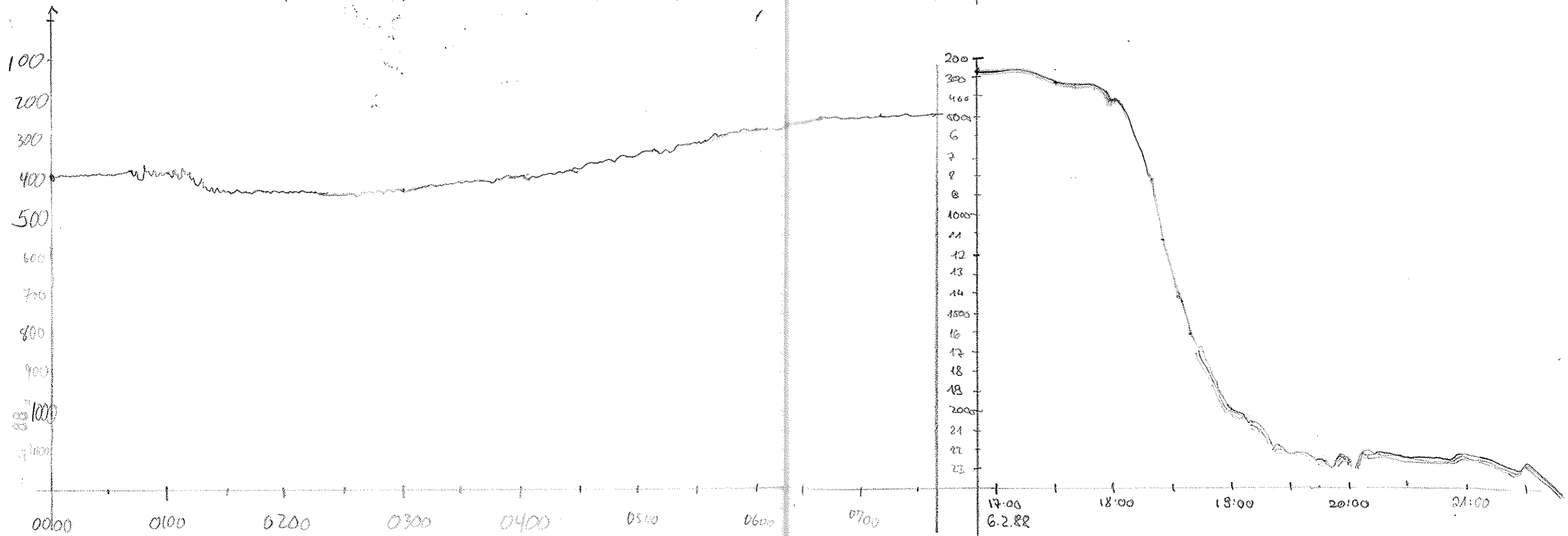
Roll	Profile	Date	Time	Lat	Lon	Speed	Course	Depth	Range	Sw.	Trigger	Delay Sec	Pulse W/K	Remarks
15	12/379	2.2.88	12:30	-77° 53.66	-37° 57.60	9.4	326.5	1182	938-1313	2	KP	.25	1/2	1. Med
"	"	"	12:57	50.99	38° 03.05	11.7	206.9	1194	"	"	"	"	"	"
15	12/381	"	16:24	77° 50.05	38° 03.36	7.5	359.6	1205	"	"	"	"	"	Station 12/380 Profile begins 381
"	"	"	16:30	77° 49.32	38° 03.16	10.2	005.8	1201	"	"	"	"	"	"
"	"	"	17:01	77° 44.35	38° 03.30	12.7	359.0	1193	"	"	"	"	"	"
"	"	"	17:30	77° 38.51	38° 02.74	12.4	13.7	1171.0	"	"	"	"	"	"
"	"	"	18:00	77° 32.46	38° 11.64	12.1	323	1136	"	"	"	"	"	"
"	"	"	18:35	77° 27.29	38° 24.63	8.1	324	1050	"	"	"	"	"	"
"	"	"	19:00	77° 25.67	38° 41.03	9.0	306	1019	"	"	"	"	"	"
15	12/381	2.2.88	19:35	77° 21.23	38° 53.67	9.2	329	936	656-1031	3	k-P	13	1/2	1.0 Bernol Broct
"	"	"	20:24	77° 14.66	39° 01.04	9.2	35.1	898	"	"	"	"	"	"
"	"	"	21:50	77° 06.55	38° 32.39	12.9	38.7	889	"	"	"	"	"	"
"	"	"	22:51	76° 55.98	37° 59.10	12.2	36.9	902	"	"	"	"	"	"
"	"	"	23:29	76° 49.50	37° 38.28	12.9	36.6	898	"	"	"	"	"	"
15	12/381	3.2.88	00:03	57° 43.86	37° 19.42	12.7	39.5	886	"	"	"	1/2	1	MACEO
"	"	"	00:33	(39.03)	(04.82)	13.4	40.8	879	"	"	"	"	"	"
"	"	"	01:07	32.69	36° 43.48	13.5	41.1	854	"	"	"	"	"	"
"	"	"	01:29	29.05	30.42	13.9	41.2	835	"	"	"	"	"	"
"	"	"	02:03	23.12	09.49	13.6	42.9	811	"	"	"	"	"	"
"	"	"	02:38	17.04	35° 48.30	13.5	39.7	791	"	"	"	"	"	"
"	"	"	03:00	12.90	36.30	13.7	37.0	772	"	"	"	"	"	"
"	"	"	03:34	6.59	17.72	13.6	39.1	731	"	"	"	"	"	"
"	"	"	03:58	2.31	3.68	13.8	39.0	713	469-844	"	"	.38	"	"



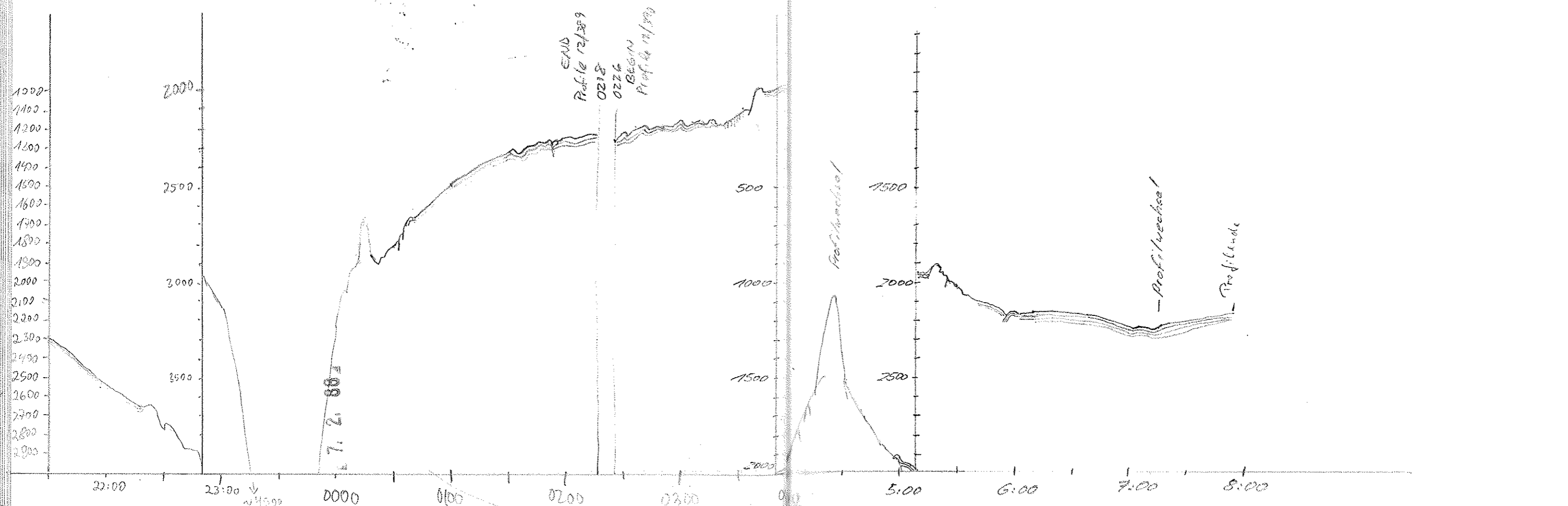
Roll	Profile	Date	Time	Lat	Lon	Speed	Course	Depth	Range	SW	Trigger	Delay	Sec/sw	Pulse	WK	Remark
15	12/381	3.2.88	4:30	-75° 56.03	-34° 46.77	13.8	39.3	691	469-844	3	K-P	38	12	1.	Nied	
"	"	"	5:00	59.40	31.00	13.6	39.8	664	"	"	"	"	"	"	"	
"	"	"	5:30	45.23	13.36	13.7	39.1	652	"	"	"	"	"	"	"	
"	"	"	6:02	39.56	-33° 56.51	13.4	39.0	655	"	"	"	"	"	"	"	
"	"	"	6:30	34.63	41.48	13.7	39.0	656	"	"	"	"	"	"	"	
"	"	"	7:00	29.26	24.98	13.7	38.5	646	"	"	"	"	"	"	"	
"	"	"	7:36	23.72	10.64	7.5	37.7	643	"	"	"	"	"	"	"	
"	"	"	8:00	22.02	05.90	4.6	46.0	635	"	"	"	"	"	"	"	
"	"	"	8:40	20.17	00.39	4.8	27.8	632	"	"	"	"	"	"	"	
"	"	"	9:22	17.37	-32° 53.59	4.5	354.8	637	"	"	"	"	"	"	"	Standby, 10:58 Ende P.
"	12/383	"	12:11	17.11	33° 03.89	9.7	041	613	"	"	"	"	"	"	"	Profilumfang 12:10
"	"	"	12:40	12.58	32° 47.08	13.1	043	627	"	"	"	"	"	"	"	
"	"	"	13:15	06.93	32° 26.59	13.5	042	617	"	"	"	"	"	"	"	
"	"	"	14:01	74° 59.67	02.23	13.5	043	616	"	"	"	"	"	"	"	
"	"	"	14:45	52.62	31° 37.53	13.2	042	613	"	"	"	"	"	"	"	
"	"	"	15:30	44.53	14.05	13.3	044	561	"	"	"	"	"	"	"	
"	"	"	15:48	41.90	05.89	6.9	044	542	"	"	"	"	"	"	"	Profilende, Stb. Ins. 20:00
"	12/385	"	19:01	74° 40.45	37° 00.54	6.6	122	527	281-656	2	K-P	0.13	"	"	"	Profilbeginn 19:00
"	"	"	19:30	42.55	30° 50.01	7.0	124	503	"	"	"	"	"	"	"	
"	"	"	20:00	44.87	39.31	6.9	127	482	"	"	"	"	"	"	"	
"	"	"	20:28	46.85	29.22	7.1	126.8	463	"	"	"	"	"	"	"	
"	"	"	21:06	48.32	17.67	7.1	126.8	442	"	"	"	"	"	"	"	
"	"	"	21:30	51.60	06.94	7.1	126.7	424	"	"	"	"	"	"	"	
"	"	"	22:00	53.86	29° 35.82	7.1	123.0	410	"	"	"	"	"	"	"	
"	"	"	22:34	56.11	44.12	7.3	130.5	402	"	"	"	"	"	"	"	
"	"	"	23:05	58.62	31.13	7.3	130.5	402	"	"	"	"	"	"	"	
"	"	"	23:20	75° 00.58	22.65	7.2	130.1	396	"	"	"	"	"	"	"	
"	"	"	23:58	02.75	12.72	7.1	131.8	400	"	"	"	"	"	"	"	



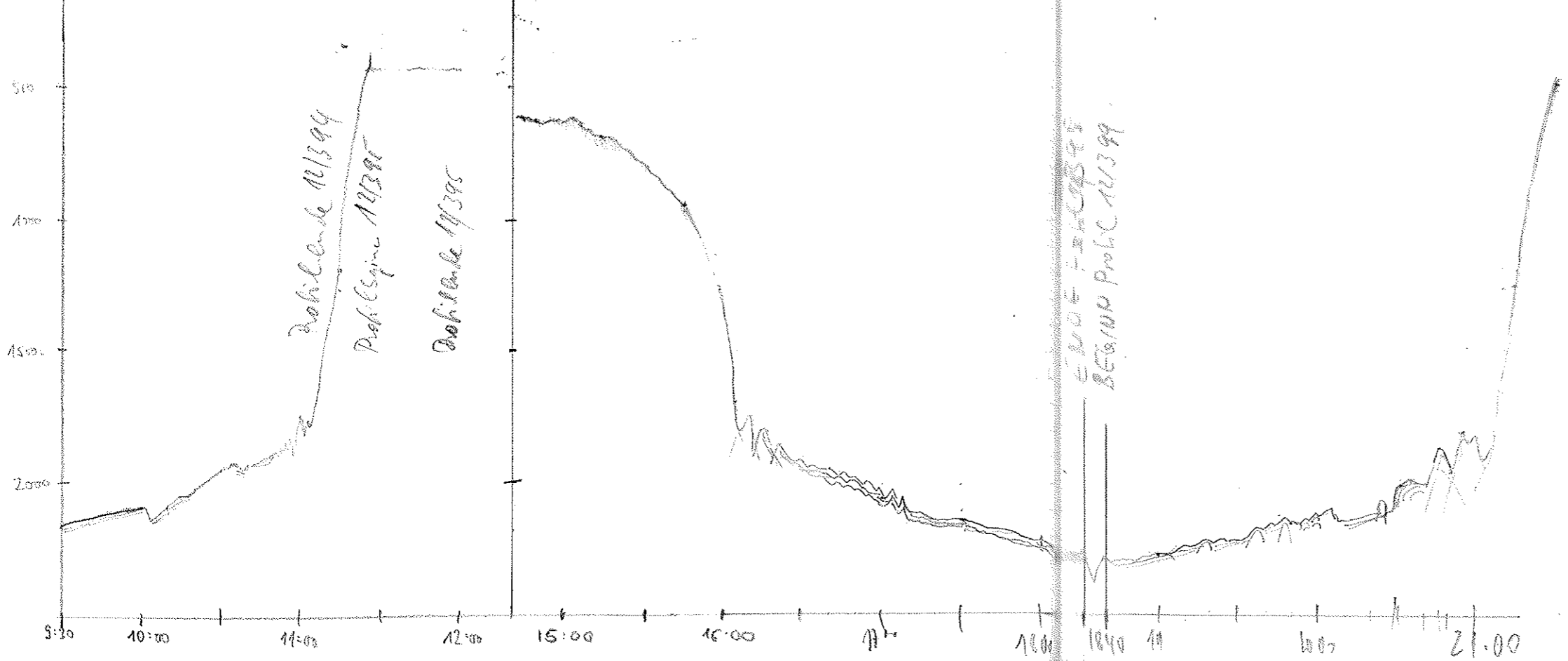
Roll	Profile	Date	Time	Latitude	Longitude	Speed	Course	Depth	Range	Sw	Trigger	Delay	sec/sec	Pulse	JH	Remarks
15	12/385	6.2.88	0042	S 75°06.10	W 28°56.56	7.3	131.7	393	281-656	2	KP - - -	.13	1/2	1	MACEBO	
"	"	"	0103	07.53	48.81	7.3	132.3	375	"	"	"	"	"	"	"	"
"	"	"	0130	09.41	40.13	7.1	132.8	447	"	"	"	"	"	"	"	"
"	"	"	0215	12.92	25.13	7.0	127.8	447	"	"	"	"	"	"	"	"
"	"	"	0259	16.93	08.34	7.1	128.2	441	"	"	"	"	"	"	"	"
"	"	"	0343	18.37	27° 58.24	4.7	129.8	410	"	"	"	"	"	"	"	"
"	"	"	0437	20.75	46.88	4.7	130	354	"	"	"	"	"	"	"	Cobbles
"	"	"	0530	23.32	34.48	4.3	127	330	"	"	"	"	"	"	"	"
"	"	"	0555	24.43	28.58	4.3	124	282	188-563	"	"	.25	"	"	"	"
"	"	"	0700	27.57	14.09	4.0	123	257	"	"	"	"	"	"	"	"
"	"	"	0740	29.17	05.95	3.7	103	243	"	"	"	"	"	"	"	"
16		6.2.88	16:50	71 23.82	130 56.54	2.3	126.6	268	"	"	"	"	"	"	Herford	End of Profile 15 Profilenote, Aufw. Hölly Beginn Roll 16, Ende Station 121387
			17:24	22.41	52.94	5.8	21.8	311.0	"	"	"	"	"	"	"	"
			18:00	19.09	48.08	8.8	24.4	375.0	"	"	"	"	"	"	"	"
			18:07	18.07	47.46	8.8	22.1	538.0	468-844	3	K-P	.38	"	"	"	"
			18:17	16.63	45.57	8.6	24.5	812	750-1125	"	"	.00	"	"	"	"
			18:25	15.58	44.06	8.5	24.3	1137	1031-1406	2	KP	.13	"	"	"	"
	121388		18:32	14.56	42.57	8.6	26.7	1457	1313-1628	5	KP-KP-0	.25	"	"	"	18:34 PROFILBEGINN 121388
			18:39	13.63	43.19	8.2	319.7	1706	1628-2063	2	KP	.25	"	"	"	"
			19:07	10.44	51.20	8.7	324.8	2014	1908-2344	5	KP-KP-	.38	"	"	"	"
			19:48	05.21	140 05.30	8.6	333.8	2262	"	"	"	"	"	"	"	"
			20:31	70° 59.58	16.67	9.5	328.7	2283	"	"	"	"	"	"	"	Mollus
			21:06	54.97	26.17	9.4	319.6	2295	"	"	"	"	"	"	"	"
			21:49	49.80	33.41	9.4	325.6	2422	2252-2625	"	KPKP-	.00	"	"	"	"



Roll	Profile	Date	Time	Latitude	Longitude	Speed	Course	Depth	Range	Sw	Trigger	Delay	Sec/sw	Pulse	Schiff-führer	Position	121	
16	12/388	6.2.88	22:18	70° 46.31	14° 47.57	9.4	323.1	2620	1625 - 3000	2	KP - - -	.00	1/2	1	Melles			
"	"	"	22:40	43.71	54.07	9.5	323.3	2880	"	"	"	"	"	"	"			
"	"	"	22:52	42.13	57.28	9.2	322.5	3024	2906 - 3281	3	K-P - -	.13	"	"	"			
"	12/388	"	23:28	37.75	15° 07.01	8.3	31.3	~4480	1125 - 4500	2	KP - - -	.00	"	"	"	23:28 Profilenende		
"	12/389	"	23:36	37.40	04.31	7.5	142.9	4330	"	"	"	"	"	"	"	23:36 Profilenfang		
"	"	7.2.88	00:00	40.43	14° 57.56	9.7	141.4	3187	2906 - 3281	3	K-P	.13	"	"	"			
16	12/389	7.2.88	00:30	44.12	48.93	9.8	142.8	2814	2625 - 3000	2	KP - - -	.00	1/2	1	MACEDO			
"	"	"	01:00	47.88	40.11	9.8	142.4	2494	2250 - 2625	5	KPKP - - -	.00	"	"	"			
"	"	"	01:30	52.30	30.84	9.9	139.7	2315	"	"	"	"	"	"	"			
"	"	"	02:03	56.35	21.19	9.9	135.0	2752	"	"	"	"	"	"	"			
"	12/390	"	02:36	59.17	9.61	9.9	141.8	2187	1969 - 2344	"	"	.38	"	"	"			
"	"	"	03:07	71° 03.17	0.28	9.7	141.0	2152	"	"	"	"	"	"	"			
"	"	"	03:32	06.38	13° 52.41	9.7	140.6	2088	"	"	"	"	"	"	"			
"	"	"	3:59	09.72	44.78	9.9	136.8	1931	1688 - 2063	2	KP	.25	"	"	Nied	4:23 Ende 12/390		
"	12/391	"	4:33	12.23	35.30	8.3	320.4	1520	1313 - 1688	5	KPK-P	"	"	"	"	"	4:32 Beginn 12/391	
"	"	"	5:15	07.30	48.24	9.1	337.9	1950	1688 - 2063	2	KP	"	"	"	"			
"	"	"	5:35	05.00	52.62	9.5	328.3	2085	2063 - 2438	5	KPK-P	"	"	"	"			
"	"	"	6:09	00.89	14° 02.70	9.5	328.4	2460	"	"	"	"	"	"	"			
"	"	"	6:47	70° 56.59	10.55	9.6	349.0	2484	"	"	"	"	"	"	"	7:05 Ende 12/391		
"	12/392	"	7:16	53.01	15.94	7.3	147.0	2257	"	"	"	"	"	"	"	7:14 Beginn 12/392		
"	"	"	7:55	57.69	04.65	8.1	159.2	2171	"	"	"	"	"	"	"	7:55 Ende 12/392		

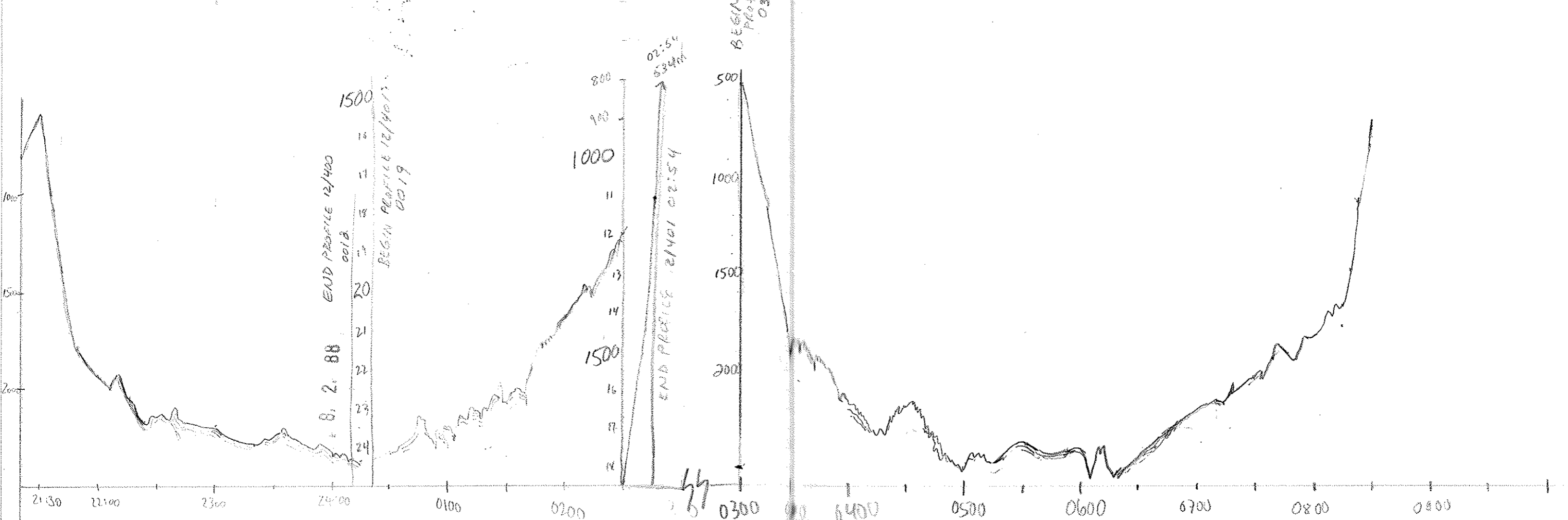


Roll	Profil	Datum	Zeit	Latitude S	Longitude W	Speed	Course	Tiefe	Tiefenbereich	SW	Trigger	Delay	Sec/Sec	Pulse	Schreiber	Bemerkung
16	12/394	7.02.88	9:29	70° 57.84	14° 04.66	8.9	98.8	2150	2063 - 2438	5	kpk-P	0.25	1/2	4	Tritz	9:29 Profilbeginn 12/394
"	"	"	10:00	71° 04.81	13° 55.60	10.3	144.9	2100	"	"	"	"	"	"	"	"
"	"	"	10:30	05.82	46.07	10.3	140.9	1971	1875 - 2250	2	kP	0.00	"	1	"	"
"	"	"	11:01	03.74	37.04	10.0	139.9	1777	1500 - 1875	5	kpk-P	0.00	"	"	"	"
"	"	"	11:27	13.67	30.44	8.1	243.4	444	375 - 750	2	kP	0.00	"	"	"	11:25 Profilende 12/394
"	12/395	"	12:00	16.53	49.54	2.0	234.9	420	"	"	"	"	"	"	"	11:28 Profilbeginn 12/395
"	"	"	14:45	17.79	48.05	0.3	0.3	602	"	"	"	"	"	1	Herschel	12:00 Profilende " "
"	12/397	"	14:48	17.78	48.02	1.7	40.2	625.6	"	"	"	"	"	"	"	START Profilbeginn 12/397
"	"	"	15:13	16.60	43.08	8.6	45.0	636.5	656 - 1031	3	k-P	0.13	"	"	"	"
"	"	"	15:45	12.70	33.65	9.3	41.7	937.7	938 - 1313	2	kP	0.25	"	"	"	"
"	12/398	"	15:57	11.24	30.32	7.8	328.0	1281	1213 - 1628	5	kpk-P	0.25	"	"	"	Profil 12/397 & 12/398
"	"	"	16:04	10.48	32.15	9.0	325	1703	1544 - 1969	2	kP	0.38	"	1	Berns	"
"	"	"	16:30	07.40	39.10	9.2	331	1927	1875 - 2250	2	kP	0.00	"	"	"	"
"	"	"	17:00	03.72	47.90	9.0	330	2058	"	"	"	"	"	"	"	"
"	"	"	17:30	00.20	56.73	9.3	325.2	2122	"	"	"	"	"	"	"	"
"	"	"	18:00	70 56.37	14 05.15	9.4	325.0	2215	2156 - 2531	5	kpkp	0.13	"	"	"	"
"	12/399	"	18:33	70 52.41	14 14.16	9.1	344	2257	"	"	"	"	"	"	"	EMPE Profile 12/398 18:32
"	"	"	18:42	70 51.90	14 11.05	9.3	084	2293	"	"	"	"	"	"	"	BEGINN Profil 12/399
"	"	"	19:00	54.16	06.25	9.3	142	2289	"	"	"	"	"	"	"	18.42
"	"	"	19:30	58.03	13 57.30	9.4	141	2271	"	"	"	"	"	"	"	"
"	"	"	19:51	71 00.59	13 51.23	9.8	139.2	2160	1781 - 2156	"	"	"	"	"	"	Ver schaltet
"	"	"	19:55	71 01.13	13 50.50	9.6	142.8	2160	1875 - 2250	"	"	"	"	"	"	"
"	"	"	20:30	71 05.63	13 39.63	9.7	139.3	2061	1500 - 1875	"	"	"	"	"	"	Ne schaltet
"	"	"	20:47	71 07.87	13 36.06	9.7	126	1884	"	"	"	"	"	"	"	"
"	"	"	20:50	08.16	35.01	9.8	124	1880	1688 - 2063	2	kP	0.15	"	"	"	"
"	"	"	21:00	09.12	31.30	9.7	130	1833	"	"	"	"	"	"	"	"
"	"	"	21:08	10.18	29.31	9.5	129	1680	1313 - 1688	5	kpk-P	0.25	"	"	"	"
"	"	"	21:12	10.58	17.80	9.6	130	1276	938 - 1313	2	kP	0.15	"	"	"	"
"	12/399	"	21:18	11.12	26.10	8.7	132	866	563 - 938	3	k-P	0.25	"	"	"	"
"	"	"	21:22	11.63	24.04	9.1	105	503	188 - 563	2	kP	0.25	"	"	"	Ende Profil 12/399

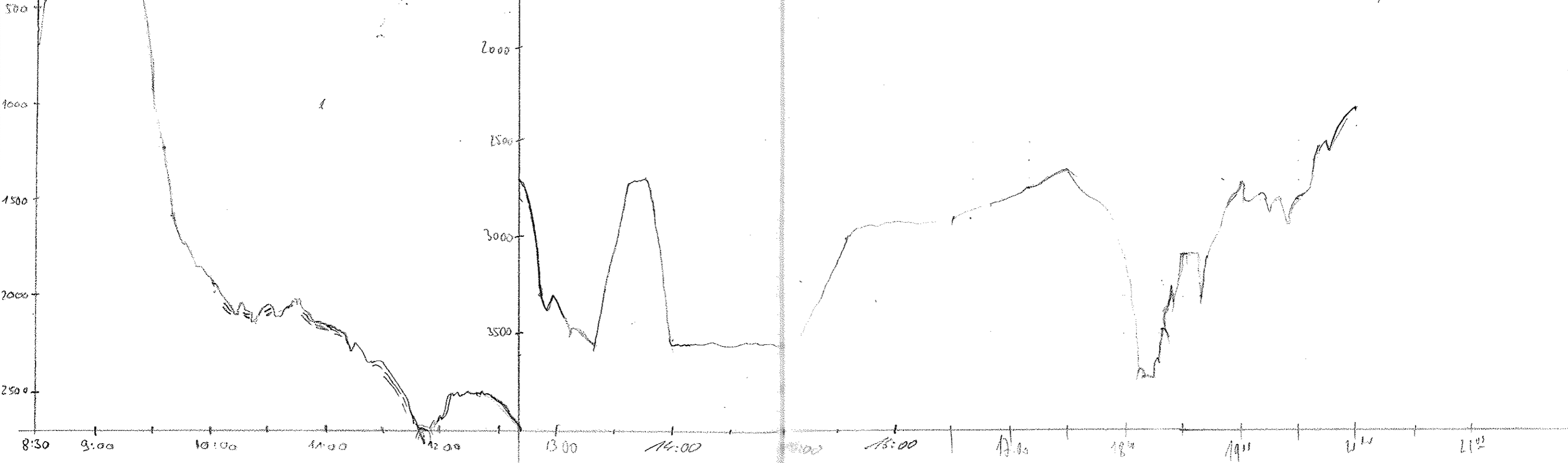


Ende Profil 12/399
21.22

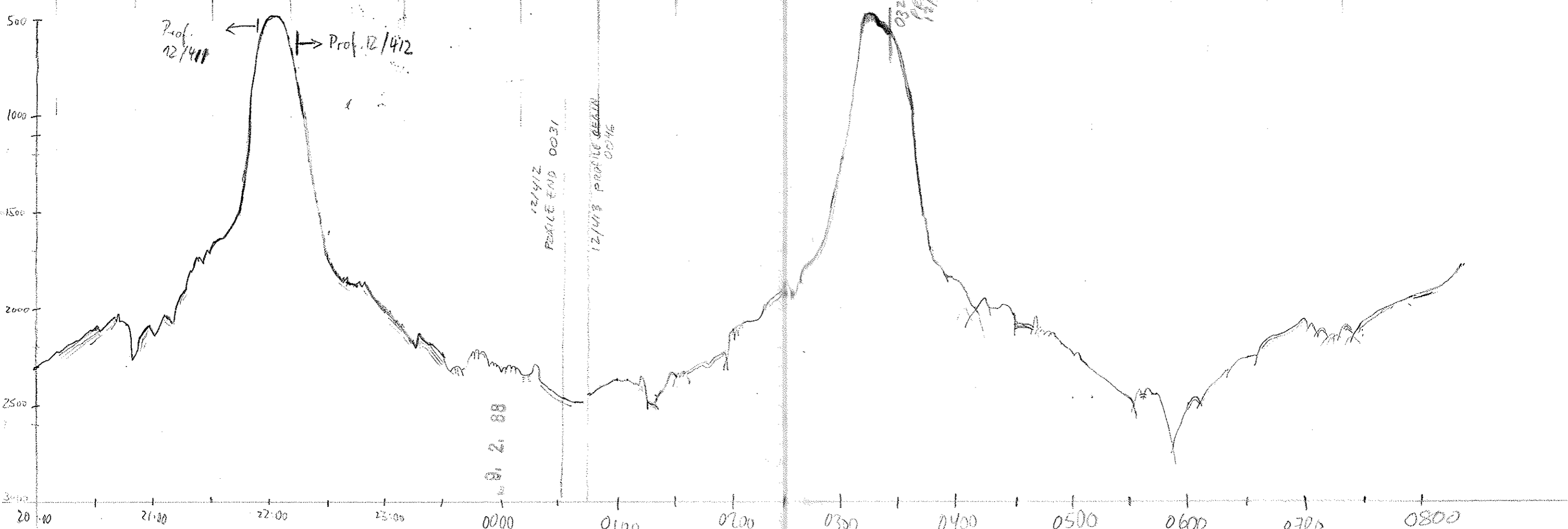
Roll	Profile	Date	Lat	Lon	Speed	Course	Time	Bench	SU	Trigger	Delay	Sec/su	Pulse	Interval	Beam
16	12/400	7.2.88	21.30	71-11-07	13-22.57	7.4	321	540	3	L-P	0.25	1/2	1	Beams	
"	"	"	21.37	1042	24.50	8.9	326	1042	2	L-P	0.25	"	"	"	
"	"	"	22.16	71° 05.65	13° 35.00	9.2	323	2064	5	KPKP	0.25	"	"	Colhas	
"	"	"	23.02	00.04	48.79	9.6	336	2215	"	"	"	"	"	"	
"	"	"	23.30	70° 56.76	56.27	9.4	322	2293	"	"	"	"	"	"	
16	12/402	8.2.88	0000	53.24	14° 04.90	9.4	327.7	2353	"	"	"	"	"	MEED0 0000 Profile end	
"	12/401	"	0031	52.93	01.93	9.6	140.3	2412	"	"	-13	"	"	"	
"	"	"	0107	57.36	13° 51.22	9.8	137.9	2328	"	"	"	"	"	"	
"	"	"	01.40	70° 01.69	41.14	9.9	138.4	2271	"	"	"	"	"	"	
"	"	"	02.08	04.59	34.27	9.8	137.2	2054	"	"	.38	"	"	"	
"	"	"	02.30	07.91	26.35	9.3	134.7	1847	2	KP	-13	"	"	"	
"	12/402	"	0303	10.19	16.93	7.5	328.8	516	3	K-P	-25	"	"	"	
"	"	"	03.35	06.36	26.33	9.5	328.7	1875	2	KP	.25	"	"	"	
"	"	"	03.59	03.35	33.08	9.6	327.8	2069	"	"	"	"	"	"	
"	"	"	04.08	71° 02.88	34.16	9.6	328.2	3086	2	KPKP	.25	"	"	Profil.	
"	"	"	04.45	70° 58.00	47.03	9.5	322.6	2310	"	"	"	"	"	"	
"	"	"	04.58	50.71	50.71	9.5	326.4	2447	2	KP	.38	"	"	"	
"	"	"	05.35	52.26	39.20	9.5	329.2	2414	"	"	"	"	"	"	
"	"	"	05.42	57.40	14° 1.36	8.7	23.5	2466	"	"	"	"	"	Profiland	
"	12/403	"	05.50	54.20	13° 58.90	8.1	147.0	2465	"	"	"	"	"	Profile begins	
"	"	"	06.39	57.12	44.80	9.6	133.5	2397	"	"	"	"	"	"	
"	"	"	06.52	58.61	41.04	9.4	134.0	2329	5	KPKP	0.25	"	"	"	
"	"	"	07.28	71° 3.05	13° 30.21	9.4	136.3	2037	2	KP	0.25	"	"	"	
"	"	"	07.56	5.75	22.89	8.8	117.6	1840	"	"	"	"	"	"	
"	"	"	8.14	71° 07.30	12° 18.22	8.8	133.8	1685	5	KPK-P	0.13	"	"	Here field	
"	"	"	8.18	8.21	17.20	9.2	134.1	1493	2	KP	0.00	"	"	"	
"	"	"	8.22	8.25	16.18	8.2	134.4	1175	3	K-P	"	"	"	"	
"	"	"	8.28	8.20	14.83	9.1	135.6	736	2	K-P	"	"	"	"	



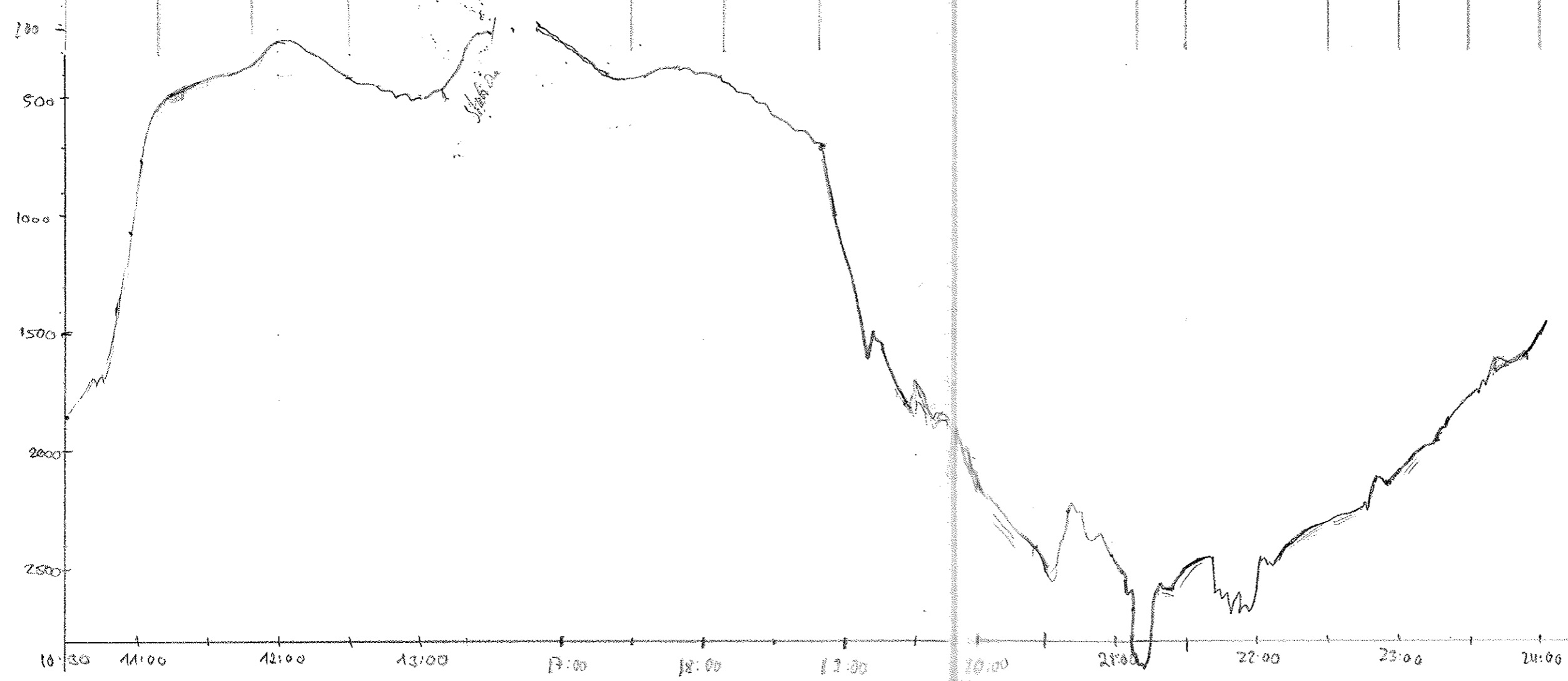
ROLLE	PROFIL	DATUM	ZEIT	LAT S	LONG	SPEED	KURS	TIEFE	BEREICH	SW	TRIGGER	DELAY	Sec/SW	PULSE	PROTOKOLL
16	12/402	8.2.88	8:51	71° 11.85	W 13° 09.15	8.7	119	367	188-563	2	KP	.25	1/2	1	Hemfeld
"	12/403	"	8:53	71° 12.11	08.38	8.5	93.1	369	"	"	"	"	"	"	PROFILLENDE
"	12/404	"	9:03	71° 11.20	06.50	7.2	326	395	"	"	"	"	"	"	Profillegen
			8:18	71° 09.57	08.35	8.0	340	435	469-844	3	K-P	.28	"	"	Hemfeld
			9:30	8.13	13.29	9.0	330	850	844-1219	2	KP	"	"	"	
			9:35	7.56	14.63	8.1	334.7	1224	1219-1594	5	KPK-P	"	"	"	
			9:40	6.83	14.53	8.2	324.8	1535	1594-1969	2	KP	"	"	"	
			10:03	4.54	22.58	8.8	336.2	1931	1875-2250	"	"	.00	"	"	
			10:40	0.38	32.25	9.0	330.2	2058	"	"	"	"	"	"	
			11:11	70° 56.97	29.71	8.3	320.3	2229	2156-2531	5	KPKP-	.12	"	"	"
			11:44	53.38	48.39	8.7	328.2	2532	2531-2906	"	"	"	"	"	
	12/404→405		11:57	52.36	53.23	8.8	332.4	2686	"	"	"	"	"	"	PROFIL WECHSEL 404→405
			12:01	51.84	54.26	8.5	333.0	2574	2250-2625	5	KPKP	.00	"	4	
	12/405	8.2.88	12:30	70° 48.31	13° 59.28	8.6	343	2571	"	"	"	"	"	1	Lohr
	"	"	12:46	46.30	14° 02.02	8.5	338	2928	2813-3188	3	K-P	.25	"	4	"
	"	"	13:06	43.71	06.25	7.3	339	3886	3188-3563	2	KP	.25	"	"	"
	"	"	13:32	44.75	12.94	8.3	230	2967	2710-3094	3	K-P	.38	"	1	Nied
	"	"	13:58	44.48	10.37	8.3	574	3536	3281-3656	2	KP	.73	"	"	"
	"	"	15:34	44.60	12.75	1.7	225.7	3000	2719-3094	3	K-P	.38	"	"	"
	"	"	16:12	45.11	14.77	1.1	211.4	2702	2344-2719	2	KP	.38	"	"	Benn
	"	"	16:30	45.43	15.62	1.5	211.4	2705	"	"	"	"	"	"	
	"	"	17:11	46.32	17.99	1.4	211.7	2619	"	"	"	"	"	"	
	"	"	17:32	45.85	16.45	5.0	2815	2678	2625-3000	2	KP	.00	"	"	Dredge aus d. Wasser
	"	"	17:58	43.26	14.58	9.0	25.0	3073	3000-3375	3	K-P	.00	"	"	Ausstecken Magnetik
	"	"	18:10	41.94	11.38	9.1	76.2	3711	3375-3750	2	KP	.00	"	"	Keine Aufzeichnung
	"	"	18:23	42.14	05.49	8.2	105.1	3431	3094-3469	2	KP	.38	"	"	Signal wieder gefangen
	"	"	18:33	43.13	02.17	8.5	1534	3095	2906-3281	3	K-P	.13	"	"	
	"	"	19:01	46.90	18 50 64	9.7	150.1	2710	2119-3094	3	K-P	.38	"	"	kein Signal
	"	"	19:04	47.46	55.71	9.8	151	2691	2531-2906	2	KP	.13	"	"	Profil Ende 12/405
	"	"	19:30	51.23	50.18	9.8	151	2809	"	"	"	"	"	"	Profilbeginn 12/404
	"	"	19:39	52.18	49.07	9.6	135	2522	2250-2625	5	KPKP-	.00	"	"	Wolter Reliefs!



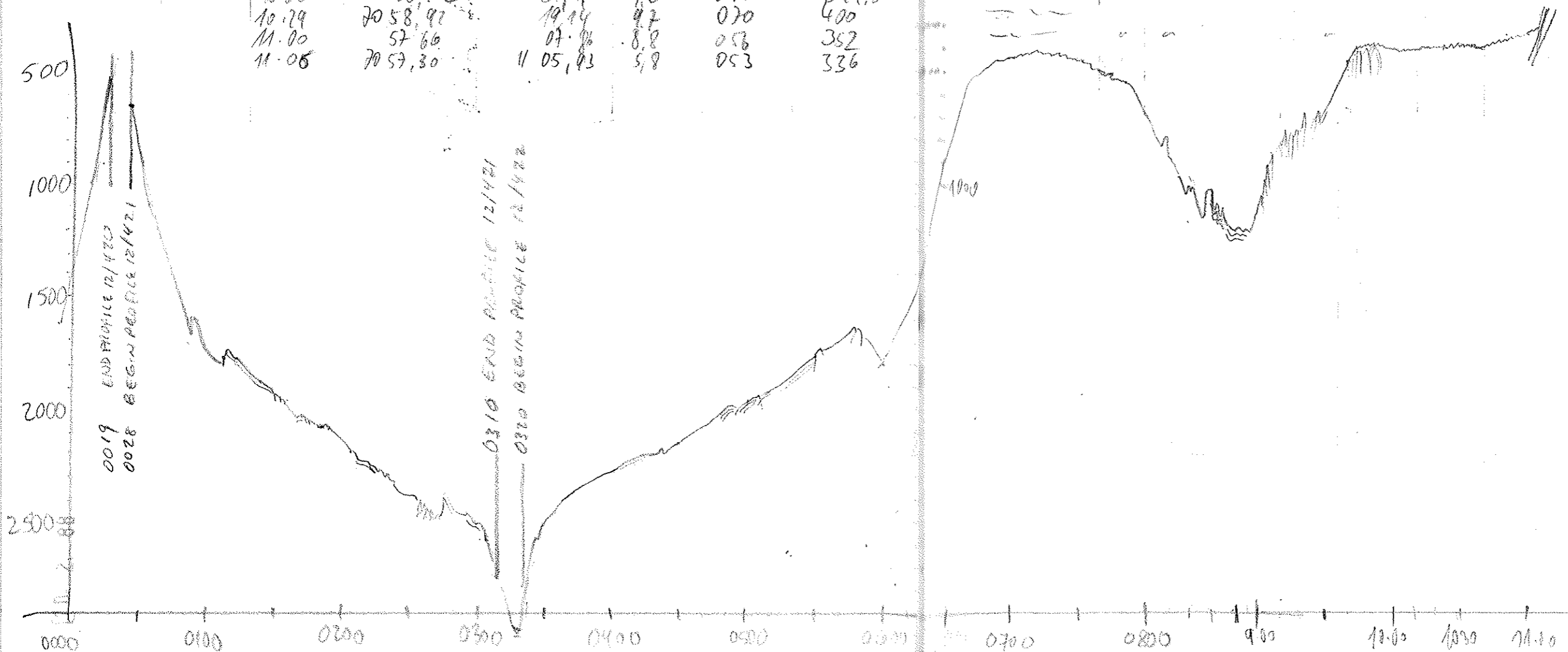
Route	Profil	Date	Zeit	Lat S	Lon W	Speed	Hdg	Tiefe	Bereich	Sweep	Fingger	Delay	sec/sw	Pulse Lgth	Knocht	Bankg	129
16	12/411	8.2.88	20:07	70° 55.90	130° 40.89	9.1	125	2225	1875 - 2250	2	KP	0.00	1/2	1	Lofkes	20:02 - 20:15 Pulselgth 4ms	
"	"	"	"	71° 02.04	130° 24.33	9.3	134	2096	"	"	"	"	"	"	"	"	
"	"	"	21:20	71° 04.15	129° 19.57	9.2	140	1891	1500 - 1875	5	KPK-P	"	"	"	"	"	
"	"	"	21:43	07.09	12.58	9.3	139	1457	1125 - 1500	2	KP	"	"	"	"	Schweine Canyon	
"	"	"	21:52	08.16	10.57	9.1	134	918	563 - 938	3	K-P	.25	"	"	"	"	
"	"	"	21:57	08.23	08.96	9.2	133	543	375 - 750	3	K-P	.00	"	"	"	"	
"	12/412	"	22:13	08.16	07.62	9.0	325	769	656 - 1031	3	K-P	.13	"	"	"	Profilende	
"	"	"	22:40	04.69	14.56	8.8	340	1894	1875 - 2250	2	KP	.00	"	"	"	Profilebeginn 22:12	
"	"	"	23:23	70° 59.59	26.31	9.5	324	2135	2063 - 2438	5	KPKP	.25	"	"	"	"	
"	12/412	8.2.88	00:00	70° 54.92	130° 37.54	9.4	327.4	2308.0	"	"	"	"	"	"	"	MACEDO	
"	"	"	00:31	51.27	46.28	9.6	330.1	2458	2344 - 2719	2	KP	-.38	"	"	"	"	paper change 00:15 - 00:55
17	12/413	"	01:00	52.42	39.79	8.9	134.3	2380	"	"	"	"	"	"	"	"	
"	"	"	01:30	56.03	31.47	8.9	135.0	2326	"	"	"	"	"	"	"	"	
"	"	"	02:00	59.67	23.00	9.0	137.7	2102	1875 - 2250	2	KP	-.06	"	"	"	"	
"	"	"	02:34	71° 03.58	13.90	8.9	138.2	1924	1781 - 2156	"	"	-.13	"	"	"	"	
"	"	"	03:01	06.59	06.51	9.0	136.0	1211	1031 - 1406	2	KP	-.13	"	"	"	"	
"	12/414	"	03:32	06.77	02.20	8.9	326.5	891	469 - 894	3	K-P	-.38	"	"	"	"	
"	"	"	03:55	03.91	09.02	9.2	325.0	1836	1781 - 2156	2	KP	-.13	"	"	"	"	
"	"	"	4:30	70° 59.82	13° 19.50	9.7	327.4	2034	"	"	"	"	"	"	"	Nied	
"	"	"	4:52	57.11	26.71	9.2	327.5	2446	2063 - 2438	5	KPKP	.25	"	"	"	"	
"	"	"	5:30	52.34	36.20	9.2	326.3	2486	2344 - 2719	2	KP	-.38	"	"	"	"	5 48 Profilende
"	12/415	"	6:03	49.46	38.42	8.7	144.7	2497	"	"	"	"	"	"	"	"	6:01 Beginn
"	"	"	6:22	54.39	33.87	9.0	135.4	2335	1969 - 2344	5	KPKP	"	"	"	"	"	
"	"	"	7:00	56.45	23.03	8.8	136.4	2485	"	"	"	"	"	"	"	"	
"	"	"	7:30	59.65	15.60	5.9	137.0	2150	"	"	"	"	"	"	"	"	
"	"	"	7:55	71° 07.32	19.48	5.3	130.3	1985	1688 - 2063	2	KP	.25	"	"	"	"	
"	"	"	8:21	02.85	07.78	5.2	133.9	1822.0	"	"	"	"	"	"	"	PROFILENDE 8:21	



ROLLE	PROFIL	DATE	ZEIT	LATS	LONG	SPEED	KURS	TIEFE	BEREICH	ΔW	TRIGGER	DELAY	SEC/ΔW	FALSE	PROTOKOLL	
17	121417	9-2-88	10:30	71° 03.37	13° 07.50	7.3	132.6	1841	1688-2063	2	KP	.25	1/2	1	Henfeld PROFILBEGINN	
			10:51	05.34	02.00	8.5	139.8	1386	1031-1406	2	KP	.13	"	"		
			10:56	.87	00.60	8.6	140.4	1656	750-1125	3	K-P	.00	"	4		
			11:02	06.62	12° 52.75	8.5	130.1	461	275-750	2	KP	.00	"	4		
			11:13	07.82	55.73	8.6	130.2	460	188-563	"	"	.25	"	1		
			11:20	08.53	53.83	8.6	141.5	444	"	"	"	"	"	"		PROFILENDE
	12/417		12:01	12.59	44.82	8.7	144.5	348	"	"	"	"	"	"		Beard Stationen suchte mit an der Eisante
			12:30	16.98	36.88	8.4	118.8	409	"	"	"	"	"	"		
			12:59	20.72	33.90	8.5	104.1	491	"	"	"	"	"	"		
	Statio 418		13:17	20.03	25.00	5.3	30.6	197	94-469	2	KP	.38	"	"		13:30 Station
			16:50	19.06	25.85	5.5	262	185	"	"	"	"	"	"		Profilbeginn
"	"	"	17:16	18.05	35.54	8.4	304.6	141	325-250	2	KP A--	.00	"	"		Brood
"	"	"	18:34	7.94	54.52	9.9	229	447	281-656	2	KP---	.13	"	"		"
"	"	"	18:49	06.32	58.80	6.5	322	696	656-1031	3	K-P	.13	"	"		Lothar
"	12/419	19.2.88	19:20	03.00	13° 03.00	9.8	319	1786	1781-2156	2	KP	.13	"	"		18:53 Profilbeginn 12/419
17	"	"	20:01	70° 57.53	16.31	9.8	327	2136	2063-2438	5	KPKP	.25	"	"	"	
"	"	"	20:26	54.28	24.13	8.6	225	2403	2344-2719	2	KP	.38	"	"	Henfeld	
"	"	"	20:29	52.65	28.00	8.8	320	2333	2063-2438	5	KPKP-	.25	"	4	"	
"	"	"	20:56	50.31	32.16	8.8	324	2476	2344-2719	2	KP	.38	"	4	"	
"	"	"	21:13	48.12	38.33	9.9	327	2849	2719-3094	3	K-P	.38	"	"	Lothar	
"	"	"	21:23	46.76	41.40	9.4	355	2588	2438-2813	2	KP-	.25	"	"	"	
"	12/420	"	21:32	46.48	39.05	8.8	193	2567	"	"	"	"	"	"	Profilende Profilbeginn	
"	"	"	22:45	51.51	26.58	9.5	139	2445	2250-2625	5	KPKP	.00	"	"	"	
"	"	"	22:46	55.32	17.64	9.8	138	2205	1969-2344	"	"	.38	"	"	"	
"	"	"	23:17	59.02	08.97	9.6	139	1942	1594-1969	2	KP	"	"	"	"	
"	"	"	23:55	71° 03.51	12° 57.62	10.0	142	1611	1313-1688	5	KPKP-P	.73	"	"	"	



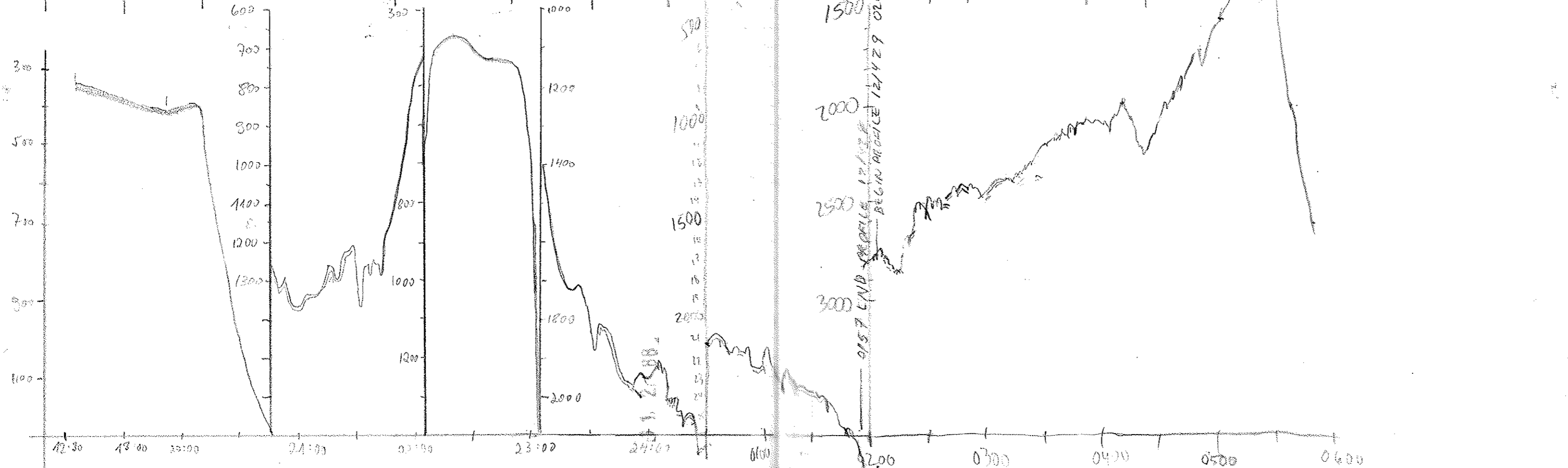
Rolle	Profil	Date	Zeit	Lat S	Lon W	Speed	Hdg	Tief	Bereich	Depth Swath	Trigno	Delay	sec/sw	Pulse Lgh	Master	Bank
17	12/420	12/21	0019	S 71° 06.74	W 120° 52.37	9.6	131.2	536	656 - 1031	3	K-P	.13	1/2	1	MACEDO	
"	12/421	"	0028	6.18	47.73	9.1	347.9	661	469 - 844	"	"	.38	"	"	"	
"	"	"	0045	4.01	53.70	9.2	325.0	1675	1594 - 1969	2	K-P	.38	"	"	"	
"	"	"	0117	70° 59.81	130° 03.47	9.9	325.5	1775	1520 - 1875	5	KPK-P	.00	"	"	"	
"	"	"	0155	54.80	15.13	9.7	324.6	2090	1875 - 2250	2	K-P	.00	"	"	"	
"	"	"	0217	51.92	21.70	9.9	326.7	2253	2156 - 2531	5	KPK-P	.13	"	"	"	
"	"	"	0256	46.54	34.44	9.4	328.3	2460	"	"	"	"	"	"	"	
"	"	"	0310	44.66	38.47	10.8	321.7	2648	"	"	"	"	"	"	"	
"	"	"	0317	43.81	36.91	10.0	82.9	2913	2625 - 3000	2	K-P	.00	"	"	"	
"	12/422	"	0320	44.28	35.84	9.3	145.4	2694	"	"	"	"	"	"	"	
"	"	"	0333	46.01	32.01	9.7	137.5	2476	2156 - 2531	5	KPK-P	.13	"	"	"	
"	"	"	0402	49.18	24.21	8.3	135.0	2276	"	"	"	"	"	"	"	
"	"	"	4:28	52.78	17.50	9.2	146.4	2149	1781 - 2156	2	K-P	"	"	"	"	
"	"	"	5:00	56.79	08.07	9.5	138.7	1967	"	"	"	"	"	"	"	
"	"	"	5:29	59.48	13° 00.78	9.6	138.2	1769	1406 - 1781	5	KPK-P	"	"	"	"	
"	"	"	6:00	71° 03.04	12° 57.25	7.7	147.7	1807	1500 - 1875	"	"	.00	"	"	"	
"	"	"	6:31	05.67	46.02	5.3	134.5	833	750 - 1125	3	K-P	"	"	"	"	Profilende 6:42
"	"	"	7:07	07.39	40.37	8.5	137.2	430	188 - 563	2	K-P	.25	"	"	"	Profilbeginn 7:12
"	12/423	"	7:30	07.58	30.29	7.5	69.0	439	"	"	"	"	"	"	"	
"	"	"	7:53	06.98	22.95	7.5	72.2	560	469 - 844	3	K-P	.38	"	"	"	
"	"	"	8:00	06.64	20.16	7.6	68.6	726	"	"	"	"	"	"	"	Bank
"	"	"	8:05	06.35	18.18	7.9	66.5	850	844 - 1219	2	K-P	.38	"	"	"	
"	"	"	8:30	05.39	07.50	9.2	068.9	1031	"	2	K-P	"	"	"	"	
"	"	"	8:44	04.57	01.59	9.9	064.3	1206	1125 - 1500	2	K-P	.00	"	"	"	
"	"	"	8:53	04.70	11 57.80	9.8	064.5	1069	844 - 1219	2	K-P	.38	"	"	"	
"	"	"	9:04	03.92	53.38	10.0	058.4	869	469 - 844	3	K-P	.38	"	"	"	
"	"	"	9:38	01.70	39.65	9.6	065.5	467	469 - 46	2	K-P	.38	"	"	"	
"	"	"	10:00	00.32	31.11	9.2	070	399.0	"	"	"	"	"	"	"	
"	"	"	10:29	70 58.97	19.14	4.7	070	400	"	"	"	"	"	"	"	
"	"	"	11:00	57.66	07.86	8.8	056	352	"	"	"	"	"	"	"	
"	"	"	11:06	70 57.30	11 05.93	5.8	053	336	"	"	"	"	"	"	"	



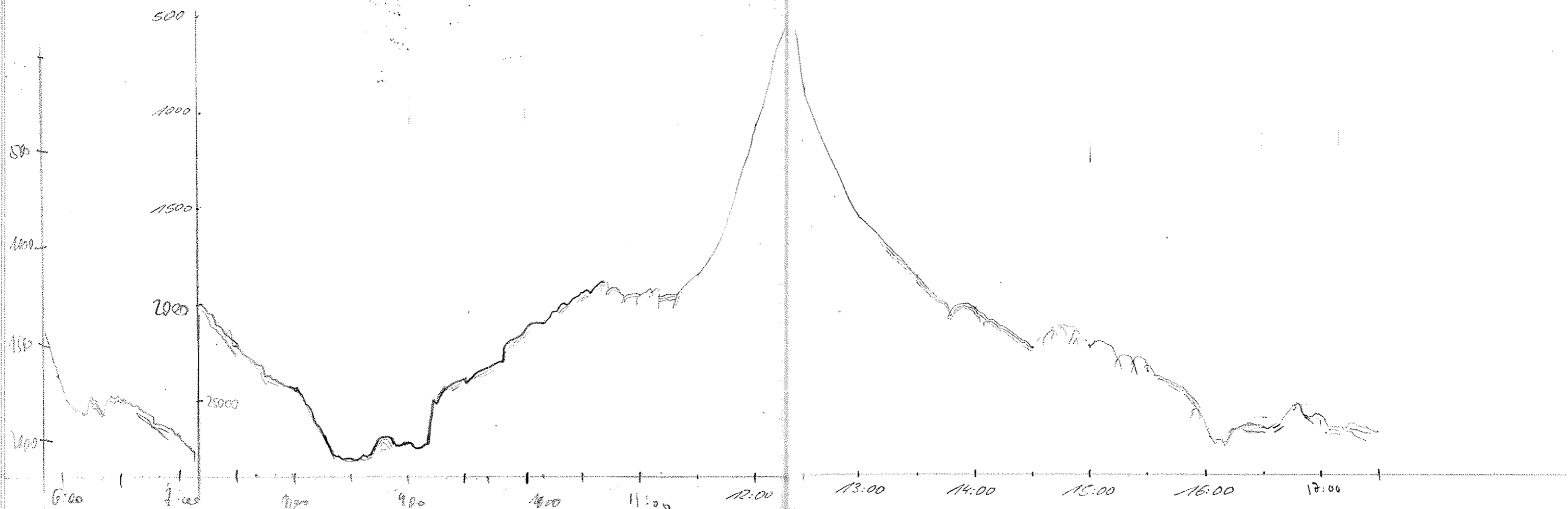
Profilende 6:42
Profilbeginn 7:12

11:05 Station
Cerat Hambg

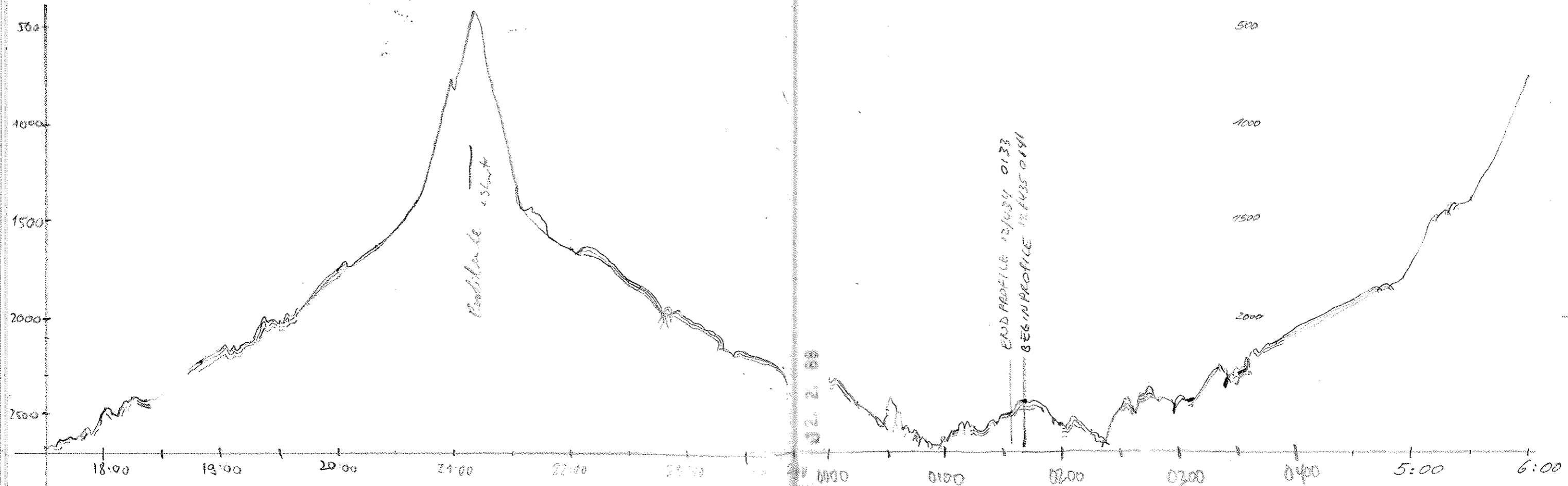
Roll	Profile	Datum	Zeit	Lat. S.	Long. W	Speed	Heading	Tiefe	Tiefenbereich	Jump	Trigger	Delay	sec/ft.	Pulse	Start of the run	Bezeichnung
17	-	10.02.88	12:35	70° 57.44	11° 06.96	6.9	128.9	374	284-656	2	KP	0.13	1/2	1	Frite	Abfahrt Bio-Station
"	"	"	13:15	71° 00.90	10° 55.63	5.8	187.7	399	"	"	"	"	"	"	"	→ Drawluga
"	"	"	18:23	01.42	56.24	3.5	199.7	414	"	"	"	"	"	"	"	Anlauf Drawluga-Juleb
"	12/424	"	18:57	70° 59.88	11° 02.24	8.0	282	277	"	"	"	"	"	"	"	Profilbeginn
"	"	"	19:59	71° 00.74	24.05	7.6	267	397	"	"	"	"	"	"	"	"
"	"	"	20:06	71° 00.49	31.01	10.2	283.6	402	"	"	"	"	"	"	"	Melles
"	12/426	"	20:32	00.07	11° 49.55	9.9	215.7	1068	1031-1406	2	KP	0.13	"	"	"	20:20 Ende Profil 12/424
"	"	"	21:07	03.66	12° 00.99	6.8	214.3	1321	"	"	"	"	"	"	"	20:20 ANFANG " 12/426
"	12/427	"	21:25	04.49	08.19	0.6	250.4	1217	"	"	"	"	"	"	"	21:25 ENDE 12/426
"	"	"	21:50	05.73	22.03	9.5	217.0	1017	656-1031	3	K-P ---	"	"	"	"	ANFANG 12/427
"	"	"	22:44	07.37	37.66	9.7	324.2	438	221-656	2	KP	"	"	"	"	"
"	12/428	"	22:48	06.81	38.93	9.7	324.9	447	"	"	"	"	"	"	"	22:48 ENDE 12/427
"	"	"	23:38	00.62	53.51	9.9	326.0	1873	1594-1669	2	KP	0.38	"	"	"	ANFANG 12/428
17	12/428	"	00:00	S 70° 57.85 W 13° 00.57		9.8	321.5	1947	1781-2156	2	KP ---	0.13	1/2	1	MACEBO	
"	"	"	00:30	54.04	08.03	9.7	329.4	2129	"	"	"	"	"	"	"	
"	"	"	01:15	48.36	22.30	9.8	323.8	2304	2156-2531	5	KPKP ---	0.13	"	"	"	
"	"	"	01:30	46.33	27.01	9.7	328.6	2302	"	"	"	"	"	"	"	
"	"	"	01:57	43.01	34.84	9.4	000.0	2831	2813-3188	3	K-P ---	0.25	"	"	"	END PROFILE
"	12/429	"	02:04	42.50	32.67	9.0	106.2	2797	2625-3000	2	KP ---	0.00	"	"	"	BEGIN PROFILE
"	"	"	02:31	45.57	24.64	9.8	141.5	2473	2250-2625	5	KPKP ---	0.00	"	"	"	
"	"	"	03:00	49.55	16.08	9.8	142.1	2461	"	"	"	0.11	"	"	"	
"	"	"	03:30	53.21	07.78	9.6	140.2	2198	1969-2344	5	KPKP ---	0.38	"	"	"	
"	"	"	04:01	56.89	12° 58.85	9.7	139.4	2096	"	"	"	"	"	"	"	
"	"	"	04:10	58.10	3632	9.9	138.9	1992	1594-1989	2	KP	0.38	"	"	"	HS
"	"	"	04:56	31 03.07	4461	1.8	142	1556	1219-1584	5	KPK-P	0.38	"	"	"	
"	"	"	05:02	04.71	40.88	1.8	142	1140	844-1219	2	KP	0.38	"	"	"	
"	"	"	05:09	05.54	38.89	8.4	139	834	469-844	2	K-P	0.38	"	"	"	
"	12/429	"	05:18	06.46	36.73	7.3	139	~450	"	"	"	"	"	"	"	
"	12/430	"	05:32	05.65	34.93	7.6	221	732	"	"	"	"	"	"	"	END PROFILE 429
"	"	"	05:37	05.09	36.73	9.1	322	890	1219-1544	2	KP	"	"	"	"	BEGIN PROFILE 12/430
"	"	"	5:48	03.62	40.15	9.4	326	1492	"	"	"	0.38	"	"	"	



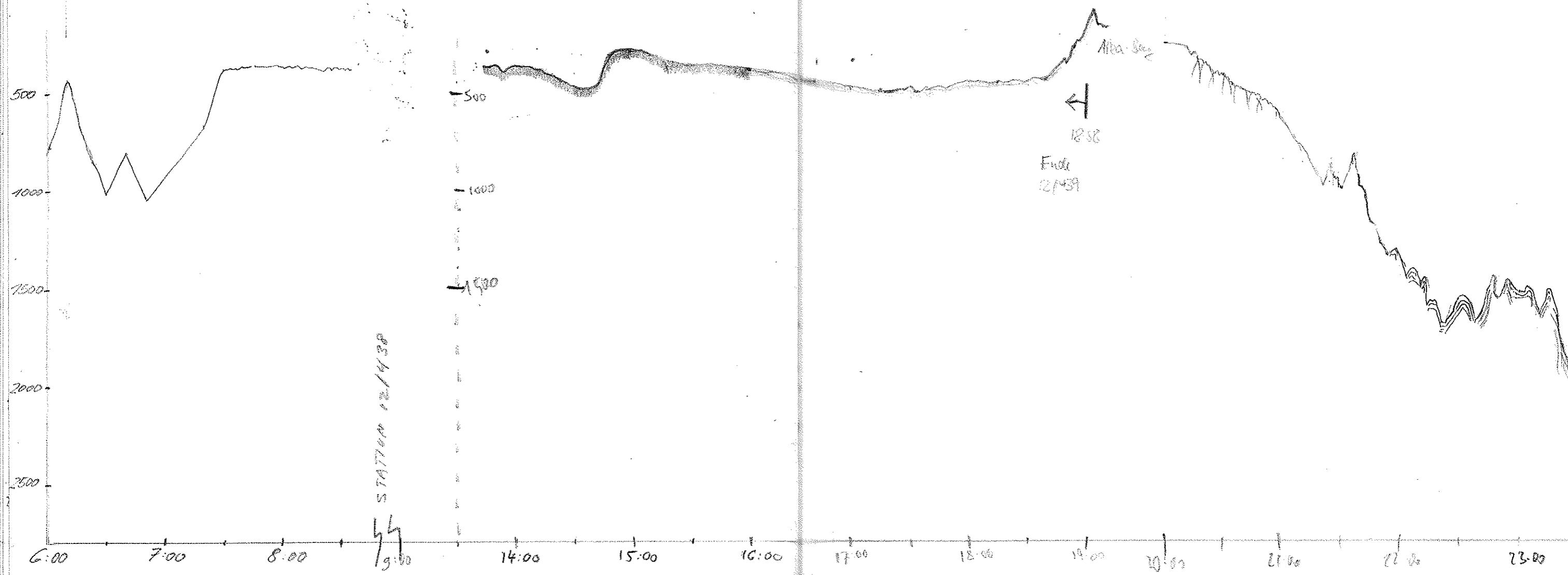
Ro	Drehl	Tage	Zeit	LAT	LOn	Speed	Wind	Titel	Berechn	SU	Triggen	Delay	Soek	Puls	Wucht	Bemerk			
17	12/430	11.2	5.53	71° 02.98	12° 41.46	9.5		1682	1594-1969	2	KP	.38	1/2	1	H3	and schlecht			
			6.30	70° 58.24	12° 51.71	9.5		1803	"	"	"	"	"	"	"	"	"		
			7.00	59.53	13° 00.40	9.6	322	1981	"	"	"	"	"	"	"	"	"	"	
			7.30	59.85	09.04	10.0	323	2208	2156-2539	5	KPKP	0.13	"	"	"	"	"	Schlecht aus, Fipiel	
17	12/430	11.2.88	8.16	70° 45.30	13° 22.42	9.4		331	2701	2531-2906	2	KP	.13	"	"	Lokker			
			8.41	41.74	29.61	7.8	048	2750	"	"	"	"	"	"	"	"	Profilende		
			8.48	41.19	27.41	8.8	100	2693	"	"	"	"	"	"	"	"	Profilebeginn		
			9.17	44.57	19.93	9.6	138	2518	2156-2531	5	KPKP	"	"	"	"	"	"		
			10.00	50.05	06.73	9.7	142	2182	1875-2250	2	KP	.00	"	"	"	"	"		
			10.41	55.18	12° 54.80	9.5	141	1935	1688-2063	2	KP	.25	"	"	"	"	"	"	
			11.03	57.96	59.06	9.4	129	1966	"	"	"	"	"	"	"	"	"	Nied	
			11.30	71° 01.72	12° 40.94	8.6	147	1840	1406-1781	5	KPK-P	.00	"	"	"	"	"	"	
			12.00	04.50	33.44	9.0	147	1975	750-1125	3	K-P	"	"	"	"	"	"	"	Profilende 12:16
			12.27	06.24	27.40	5.8	52	568	375-750	2	KP	"	"	"	"	"	"	"	Rolle gewechselt
18	12/432	"	12.32	05.13	27.28	5.8	327	5871	750-1125	3	K-P	"	"	"	"	"	"	Prof:beginn 12:26	
			13.00	03.11	32.65	7.3	328	1524	1500-1875	5	KPK-P	"	"	"	"	"	"		
			13.30	00.25	39.67	9.0	326	1853	1781-2156	2	KP	.13	"	"	"	"	"		
			14.00	70° 56.72	47.95	9.0	326	2028	1969-2344	5	KPKP-	.38	"	"	"	"	"	"	
			14.33	52.63	57.38	8.7	326	2238	"	"	"	"	"	"	"	"	"	"	
			15.00	50.48	13° 02.06	9.1	325	2232	"	"	"	"	"	"	"	"	"	"	
			15.29	47.02	19.26	9.1	327	2377	2344-2719	2	KP	"	"	"	"	"	"	"	
			15.58	63.53	18.16	9.5	326	2660	2531-2906	"	"	.73	"	"	"	"	"	"	
			16.27	38.70	26.58	8.6	326	2646	"	"	"	"	"	"	"	"	"	"	Hanfefeld
			16.37	38.40	22.28	8.4	324	2613	"	"	"	"	"	"	"	"	"	"	PROFLENDE
12/433	12/433	"	16.43	37.90	23.09	8.1	62	2546	2250-2625	5	KPKP-	.00	"	"	"	"	"		
			16.54	38.05	26.21	8.4	154	2542	"	"	"	"	"	"	"	"	"	PROF:BEGINN	
			16.55	38.68	25.09	8.4	145.8	2574	2531-2906	2	KP	.13	"	"	"	"	"		
			17.33	42.83	16.31	6.1	140.5	2681	"	"	"	"	"	"	"	"	"		



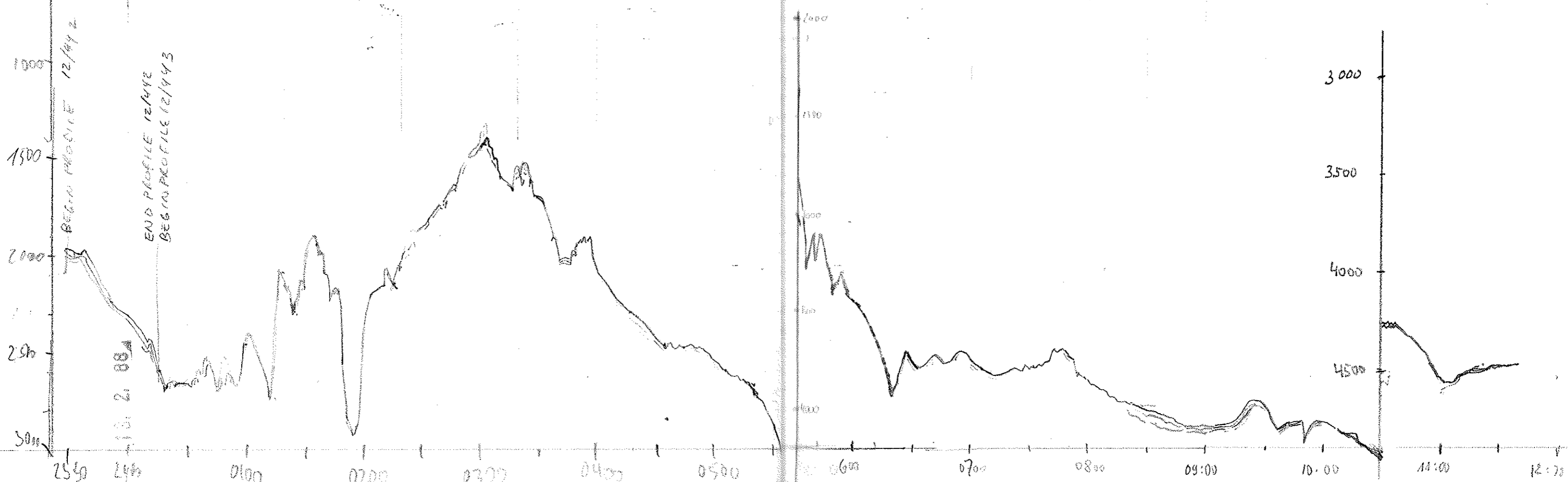
ROLLE	PROFIL	DATUM	ZEIT	LAT S	LONG W	SPEED	RURS	TIERE	BEREICH	SW	TRIGGER	DELAY	SEC/SW	PULSE	PROTAKSEL
18	12/433	11.2.	17:56	70° 45.29	13° 10.49	8.6	144.2	2535	2156-2531	5	KPKA-	.13	1/2	1	Henfeld
			18:40	51.62	10° 55.14	8.6	144.2	2216	1875-2250	2	KP	.00	"	"	"
			19:34	59.38	48.14	8.8	134.4	2012	"	"	"	"	"	"	"
			19:43	58.50	40.41	9.2	131.5	1846	1594-1868	2	KP	.38	"	"	"
			20:19	71° 02.05	37.36	7.5	140.7	1624	1279-1594	5	KPKA-P	.38	"	"	Kulm
			20:40	3.70	27.02	9.2	126.9	1399	"	"	"	"	"	"	"
			20:55	5.35	23.30	9.5	143.0	807	469-844	3	K-P	.38	"	"	"
			21:05	7.33	21.16	9.4	159.7	571	"	"	"	"	"	"	Profilende
	12/434		21:13	7.20	18.90	9.0	162.8	724	"	"	"	"	"	"	Profilstart
			21:28	5.47	21.11	9.6	11.7	1245	1279-1594	5	KPKA-P	"	"	"	"
			21:54	2.34	27.14	9.8	339.4	1627	1594-1869	2	KP	"	"	"	"
			22:37	70° 59.16	12° 33.27	6.4	336.2	1877	"	"	"	"	"	"	"
			22:56	57.35	38.46	9.8	337.7	1971	1875-2250	2	KP	.00	"	"	"
			23:33	52.63	49.49	9.7	329.7	2178	"	"	"	"	"	"	"
			23:57	50.29	54.55	9.7	349.5	2258	2156-2531	5	KPKA-	.13	"	"	Schraubriemen gewechselt
18	12/434	12.2.	00:32	S 70° 45.18	W 13° 06.80	9.8	322.8	2571	2344-2719	2	KP	.38	1/2	1	MACEDO
"	"	"	01:00	91.88	15.20	9.7	325.6	2637	2738-2813	2	KP	.25	"	"	"
"	"	"	01:30	37° 85	23° 69	9.8	324.6	2525	2344-2719	2	KP	.38	"	"	Profile ends 0133
"	12/435	"	02:01	39° 32	16° 40	9.5	140.8	2551	2750-2625	5	KPKA	.00	"	"	Profile begin 0141
"	"	"	02:32	43° 38	07.27	9.9	140.6	2476	"	"	"	"	"	"	"
"	"	"	03:03	47.17	12° 53.93	9.7	141.7	2420	"	"	"	"	"	"	"
"	"	"	03:35	50.96	47.67	9.6	141.3	2276	2063-2438	5	KPKA-	.25	"	"	"
"	"	"	4:30	57.59	34.10	7.7	145.7	1977	1781-2156	2	KP	.73	"	"	Nied
"	"	"	4:55	71° 00.04	12° 28.35	8.5	135	1807	1500-1875	5	KPKA-P	.00	"	"	"
"	"	"	5:30	04.26	18.42	8.3	138	1406	1125-1500	2	KP	.00	"	"	"
"	"	"	5:59	07.53	11.27	8.6	135	780	375-750	"	"	"	"	"	Profilende 6:07



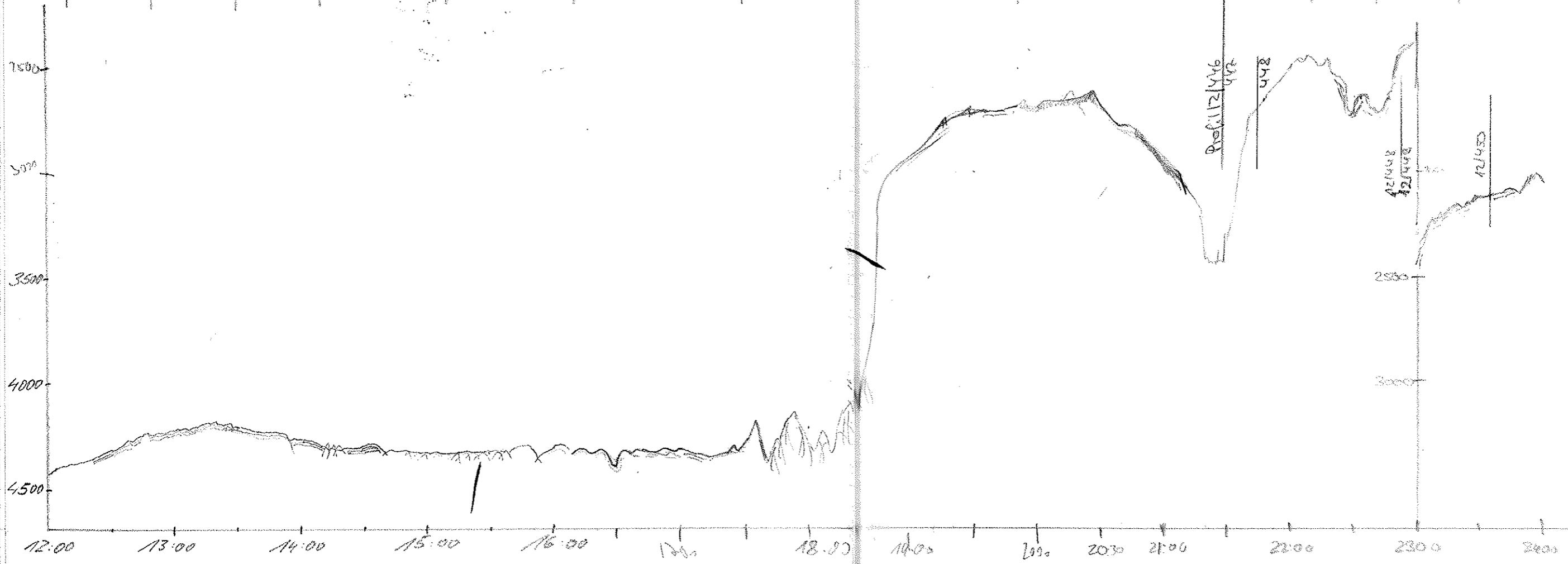
Roll	Profile	Date	Time	Lat S	Lon W	Speed	Course	Depth	Depth Range	SW Trigger	Delay	Sec/ SW	Pulse L.	W K	Remarks	141
18	12/436	12.2.88	6:24	71° 07.28	12° 05.65	7.5	38.7	850	266-1031	3 K-P	.13	.12	1	Nied	um 6:40 MIDAS ausgef.	
"	"	"	7:40	09.26	11° 37.65	9.9	57.9	385	381-656	2 KP	"	"	"	"	A. Fix nach Ausfall ca. 7:36	
"	"	"	8:34	70° 58.39	11° 14.41	9.6	74.9	383	"	"	"	"	"	Brant		
"	"	"	8:58	57.15	04.80	6.6	286	329	"	"	"	"	"	Lolhas	Profilende	
18	12/439	12.2.88	13:43	5 70° 51.72	W 11° 00.66	3.9	69.2	362	"	"	"	"	"	MACELO	START	
"	"	"	14:50	47.63	10° 35.64	3.4	65.0	363	94-469	2 KP	.38	"	"	Henzfeld		
"	"	"	15:52	43.25	05.26	10.1	70.2	384	281-656	"	.13	"	"	"		
18	12/439	12.2.88	16:40	40.50	09° 45.83	10.0	068	463	"	"	"	"	"	Lolhas		
"	"	"	17:20	37.78	27.24	9.8	067	492	"	"	"	"	"	"		
"	"	"	18:16	33.97	09.74	10.1	071	465	"	"	"	"	"	"		
"	"	"	18:52	32.02	08° 46.38	8.2	070	286	188-563	"	.25	"	"	"		
"	"	"	18:58	31.74	44.35	8.2	071	-	94-469	"	.38	"	"	"	Profilende Alca Bay	
"	12/440	"	20:00	29.45	31.00	5.2	048	244	"	"	"	"	"	Zeeus	Profilende	
"	"	"	20:30	26.82	23.84	8.7	48	398	"	"	"	"	"	"	Profilende	
"	"	"	20:36	26.18	21.25	9.4	51	445	375-750	2 KP	.00	"	"	"	12/440	
"	"	"	21:00	23.58	13.43	7.3	47.7	394	"	"	"	"	"	"		
"	"	"	21:10	22.85	12.00	8.0	55.9	720	656-1031	3 KP	.13	"	"	"		
"	"	"	21:32	20.71	04.44	8.5	54.0	458	"	"	"	"	"	"		
"	"	"	21:46	19.46	79.59.75	6.8	68.8	1052	938-1313	2 KP	.25	"	"	"		
"	12/440	"	21:55	17.98	07.52.81	9.1	73.5	1350	1313-1688	5 KP	.25	"	"	"	Profilende Alca Bay	
"	12/441	"	22:13	"	"	"	"	1570	"	"	.4	"	"	"	Profilende Alca Bay	
"	"	"	22:30	16.40	56.67	9.1	304.2	1568	"	"	"	"	"	"		
"	"	"	23:00	13.75	08-07.69	8.7	316	1699	"	2 KP	.38	"	"	"		
"	"	"	23:21	11.80	13.54	8.9	320	1861	1584-1969	"	"	"	"	"		
"	"	"	23:29	11.09	15.75	9.0	315	1919	"	"	"	"	"	"	Profilende 441	



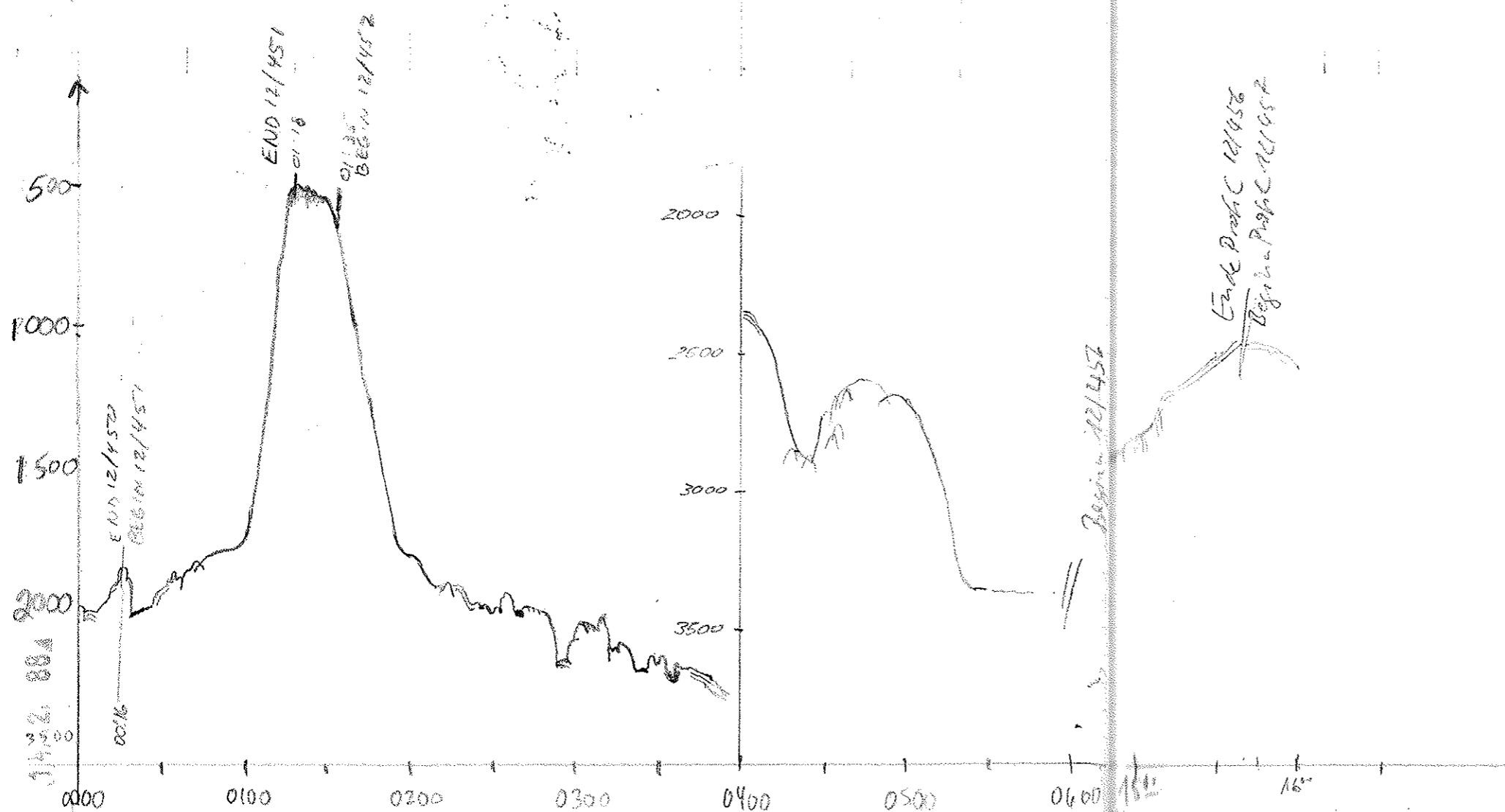
Rolle	Probe	Tag	Zeit	LAT	LOM	besd.	km	Tiefe	Tiefe Bereich	Strat	Auströme	Vorg.	sch/ /Strat	Schlag länge	Korrekt	Bemerk.	143
18	12/442	12.2.88	23:29	70.41.09	008.15.75	4.0	315	1979	1969-2344	5	LP6A-	.38	1/2	1	Bemes	Beginn Profil 12/442	
18	12/442	12.2.88	0000	70.07.48	W 08.04.83	9.0	313.1	2307	"	"	"	"	"	"	MACEDON		
"	12/443	"	0017	05.64	29.27	8.7	309.0	2592	2250-2625	"	"	.00	"	"	"	END/Beleim	12/443
"	"	"	0031	04.59	33.50	6.6	306.5	2666	2531-2906	2	KP	.13	"	"	"		
"	"	"	0100	01.84	42.57	8.8	310.3	2450	2438-2813	2	KP	.25	"	"	"		
"	"	"	0137	69.58.47	55.21	8.5	306.3	198k	1781-2156	2	KP	.13	"	"	"		
"	"	"	0200	56.28	09.02.59	8.7	311.4	2586	2813-3183	3	K-P	.25	"	"	"		
"	"	"	0233	53.59	13.38	4.9	308.6	1856	1500-1874	5	KPK-P	.00	"	"	"		
"	"	"	0300	51.38	21.10	9.0	312.4	1415	1219-1594	5	KPK-P	.38	"	"	"		
"	"	"	0333	48.25	31.91	9.1	309.0	1743	1406-1781	5	KPK-P	.13	"	"	"		
"	"	"	0410	44.44	44.25	9.0	312	2224	2156-2531	5	KPKP	.13	"	"	Lotter		
"	"	"	0453	41.25	58.74	9.0	322	2507	"	"	"	"	"	"	"	0513 Profilante	
"	12/444	"	0515	38.45	10.05.08	9.2	315	2657	2438-2813	2	KP	.25	"	"	"		
"	"	"	0528	37.16	09.26	9.3	327	2813	2719-3094	3	K-P	.38	"	"	"		
"	"	"	0604	32.87	19.02	9.0	326	3476	3375-3750	2	KP	.00	"	"	"		
"	"	"	0628	29.49	22.93	8.9	324	3743	3663-3938	3	KP	.25	"	"	"		
"	"	"	0710	24.49	32.59	8.9	323	3919	"	"	"	"	"	"	"		
"	"	"	0745	19.76	39.60	9.1	322	3741	"	"	"	"	"	"	"		
"	"	"	0816	14.14	52.66	8.8	339	3346	3395-3750	3	KP	.00	"	"	Brat		
"	12/445	"	0854	69.11.88	W 10.59.98	8.7	297	4083	"	"	"	"	"	"	"	Profilwechsel	
"	"	"	0939	16.87	11.12.13	8.9	217.9	4058	"	"	"	"	"	"	"		
"	"	"	1005	19.82	18.80	8.9	218.4	4112	4038-4313	3	KP	.25	"	"	"		
"	"	"	10:41	23.93	24.95	8.7	217.8	4340	4125-4500	2	KP	.00	"	"	"		
"	"	"	11:05	26.69	34.10	8.9	218.0	4563	4313-4658	7	KP-K-P	.25	"	"	"		
"	"	"	11:38	30.50	43.36	9.2	204.6	4500	"	"	"	"	"	"	"		



Rolle	Profil	Tag	Zeit	LAT	LON	Geschw.	Kurs	Tiefd	Tiefenbereich	sw	Trisgen	Delay	Sec/sw	Pa bi	WM	Rem.
18	12/445	13.2.88	12:07	-69° 33.73	-11° 49.87	8.8	203.8	4420	4313-4658	7	KP-K-P-	.25	1/2	1.	Nied	
"	"	"	12:33	37.04	56.08	9.0	212.7	4327	4037-4406	2	KP	.13	"	"	"	
"	"	"	13:03	40.75	-72° 04.18	9.0	217.7	4227	"	"	"	"	"	"	"	
"	"	"	13:30	43.88	12.28	9.2	217.2	4215	"	"	"	"	"	"	"	
"	"	"	14:07	47.67	20.47	8.9	217.0	4292	"	"	"	"	"	"	"	
"	"	"	14:30	50.98	29.03	9.0	219.7	4310	"	"	"	"	"	"	"	
"	"	"	15:14	56.77	40.47	8.9	217.6	4347	"	"	"	"	"	"	"	
"	"	"	15:30	57.98	44.59	9.1	218.7	4334	4219-4594	7	KP-K-P-	.38	"	"	"	
"	"	"	16:00	-70° 01.53	52.62	8.8	213.5	4307	"	"	"	"	"	"	"	
"	"	"	16:30	05.04	13 00 14	8.6	220.3	4329	"	"	"	"	"	"	Bernd	
"	"	"	17:00	08.43	13 08.83	8.8	215.5	4331.0	"	"	"	"	"	"	"	
"	"	"	17:30	11.05	13 16.75	8.8	217.3	4317	"	"	"	"	"	"	"	
"	12/445	"	17:42	13.41	13 20.56	8.8	216.0	4218	4037-4406	2	L-P	.13	"	"	"	Profil 12/445-18.14
"	12/446	"	18:19	17.70	13 30.66	8.7	200.3	4108	"	"	"	"	"	"	"	Profil 12/446-18.14
"	"	"	18:27	18.71	13 31.78	8.9	200.7	3891	3656-4031	3	L-P	.13	"	"	"	Escarpment +
"	"	"	18:40	20.65	13 34.42	8.9	198.5	3751	"	"	"	"	"	"	"	flach parallel, schlechte
"	"	"	18:45	21.34	13 35.18	9.0	198.0	3060	2714-3094	3	L-P	.38	"	"	"	Signale - vgl. Seebear
"	"	"	19:32	28.26	13 43.05	9.0	209.1	2712	2438-2813	2	L-P	.27	"	"	"	
"	"	"	20:04	32.27	13 48.30	8.1	2677	2672	"	"	"	"	"	"	Merfeld	
"	"	"	20:28	37.56	13 54.64	8.1	2778.202	2778	"	"	"	"	"	"	"	Ende Rolle 18
19	"	"	20:47	39.12	13 56.54	8.1	192.8	2847	2718-3084	3	K-P	.38	"	"	"	Anfang Rolle 19
"	"	"	21:10	42.44	13 58.70	8.0	182.7	3067	2000-3295	"	"	.00	"	"	"	
"	"	"	21:27	45.12	14 03.07	8.1	198.4	3375	3375-3750	2	KP	.13	"	"	"	
"	12/447	"	21:29	45.78	14 03.47	8.5	198.7	3377	3000-3395	3	K-P	.13	"	"	"	Profil 12/446-447
"	12/448	"	21:44	47.41	14 00.01	8.5	155.4	2643	2250-2625	5	KPKP-	.13	"	"	"	Profil 12/447-448
"	"	"	22:33	52.27	13 53.05	4.2	133.8	2644	2428-2234	2	KP	.25	"	"	"	Raydotechurinhalt
"	12/449	"	22:53	54.87	13 48.77	7.3	147.6	2450	2456-2531	5	KPKP-	.13	"	"	"	Profil 12/448-449
"	12/450	"	23:27	58.19	13 33.50	8.1	130.0	2742	1875-2250	2	KP	.00	"	"	"	23:35 Profil 12/449-450



Roll	Profile	Date	Time (GMT)	LATITUDE (S)	LONGITUDE (W)	SPEED	COURSE	DEPTH	RANGE	SW	Trigger	Delay	S/SW	Pulse	J.H.	REMARKS
19	12/450	12/51	00:10	71° 02.08	13° 30.21	7.1	138.5	2017	1875 - 2250	2	KP	.00	1/2	1	MICEDO	
"	12/451	"	00:16	02.64	28.92	7.4	138.5	2030	"	"	"	"	"	"	"	END/BEGIN PROFILE
"	"	"	00:30	03.84	25.64	7.8	136.2	1986	"	"	"	"	"	"	"	
"	"	"	01:01	07.39	16.35	9.6	138.2	1688	1594 - 1969	"	"	.38	"	"	"	
"	12/452	"	01:18	09.74	11.13	9.4	135.0	516	469 - 849	3	K-P	.38	"	"	"	END
"	"	"	01:35	09.86	06.48	9.3	315.6	644	"	"	"	"	"	"	"	BEGIN
"	"	"	02:00	05.23	14.44	9.1	321.7	1850	1594 - 1969	2	KP	"	"	"	"	
"	"	"	02:30	01.88	22.52	7.6	325.3	2022	1895 - 2252	"	"	.00	"	"	"	
"	"	"	03:00	70° 59.02	29.97	6.6	328.8	(~2140)	1969 - 2344	5	KPKP	.38	"	"	"	
"	"	"	03:30	58.11	37.24	9.1	320.0	2224	"	"	"	"	"	"	"	
"	"	"	03:52	53.12	44.72	8.9	321.5	2352	2156 - 2531	"	"	.13	"	"	"	4:12 Profile
"	12/453	"	4:32	70° 48.89	53.53	9.2	327.2	2800	2537 - 2906	2	KP	"	"	"	"	Nied
"	"	"	5:00	46.71	14° 00.42	3.5	335.8	2682	"	"	"	"	"	"	"	
"	"	"	5:28	45.73	02.98	2.9	308.8	3368	3094 - 3469	"	"	.38	"	"	"	Profile
"	"	"	5:44	45.07	03.70	0	342.3	3389	"	"	"	"	"	"	"	Standby, Dredge
"	12/456	"	14:50	70° 41.80	14° 26.50	4.6	291	2883	2719 - 3094	3	K-P	.38	"	"	Bene	Profile begin
"	"	"	15:01	70° 42.04	14° 28.30	6.8	2008	2773	2438 - 2843	2	K-P	.25	"	"	"	
"	"	"	15:30	46.76	31.78	8.6	194	2516	"	"	"	"	"	"	"	
"	12/456	"	15:41	70° 48.18	33.59	9.5	199.5	2481	2156 - 2531	5	KPKP	.13	"	"	"	Profile
"	12/457	"	15:44	48.63	34.15	9.2	239.6	2440	"	"	"	"	"	"	"	Profile



Roller	Profil	Datum	Zeit	Lat. S	Long. W	Geoch.	bars	Wassertiefe	Tiefenbereich	St	Trigger	Delay	Sec./sw.	Pulse	Divers	Beobachtung
19	12/457	14.02.88	16:50	70° 48.71	14° 41.03	9.3	247.4	2452	2156 - 2531	5	KPKP	0.13	1/2	1		
"	"	"	16:30	51.88	52.73	9.5	242.4	2608	2625 - 3000	2	KP-	0.00	"	"		
"	"	"	17:00	57.44	15° 06.84	9.6	245.8	2893	3000 - 3375	3	K-P	0.00	"	"		
"	"	"	17:30	55.12	20.69	9.5	249.3	3158	"	"	"	"	"	"		
"	"	"	18:02	56.87	35.69	9.2	249.9	3019	"	"	"	"	"	"		
"	"	"	18:30	58.32	48.48	9.4	250.0	2817	2625 - 3000	2	KP-	"	"	"		
"	"	"	19:00	71° 00.57	16° 03.21	9.3	254.8	2823	"	"	"	"	"	"		
"	"	"	19:30	01.88	17.00	9.4	252.7	2897	"	"	"	"	"	"		
"	"	"	20:00	03.48	20.59	9.5	256.1	3100	3000 - 3375	3	K-P	0.00	"	"		
"	"	"	20:30	05.19	44.91	9.4	250.2	3290	3000 - 3375	"	"	"	"	"		
"	"	"	21:00	06.70	58.71	9.4	251.8	3384	3221 - 3656	2	KP-	0.13	"	"		
"	"	"	21:30	08.31	14° 12.37	9.6	251.6	3450	"	"	"	"	"	"		
"	"	"	22:00	09.94	26.09	9.4	247.6	3491	"	"	"	"	"	"		
"	"	"	22:30	11.75	39.80	9.5	250.2	3614	"	"	"	"	"	"		
"	"	"	23:00	13.39	53.47	9.5	251.8	3827	3656 - 4031	3	KP-	0.13	"	"		
"	"	"	23:30	15.04	18° 07.31	9.4	250.0	4164	3844 - 4219	2	KP-	0.38	"	"		
"	"	"	00:00	16.51	19.16	9.5	240.2	4291	4031 - 4406	2	KP-	0.13	"	"		
19	12/457	"	00:31	18.42	32.79	9.8	251.4	4256	"	"	"	"	"	"		
"	"	"	01:00	19.96	46.65	9.6	251.6	4310	"	"	"	"	"	"		
"	"	"	01:30	21.32	17° 00.09	10.0	246.0	4300	4125 - 4500	"	"	0.00	"	"		
"	"	"	02:01	23.33	14.24	9.9	250.1	4308	"	"	"	"	"	"		
"	"	"	02:30	24.85	28.33	9.5	248.1	4351	"	"	"	"	"	"		
"	"	"	03:00	26.67	42.12	10.0	246.0	4368	"	"	"	"	"	"		
"	"	"	03:33	28.62	57.62	9.8	250.5	4376	"	"	"	"	"	"		
"	"	"	04:02	30.18	70° 11.28	10.1	248.7	4384	"	"	"	"	"	"		
"	"	"	05:03	33.71	40.27	9.8	249	4350	"	"	"	"	"	"		

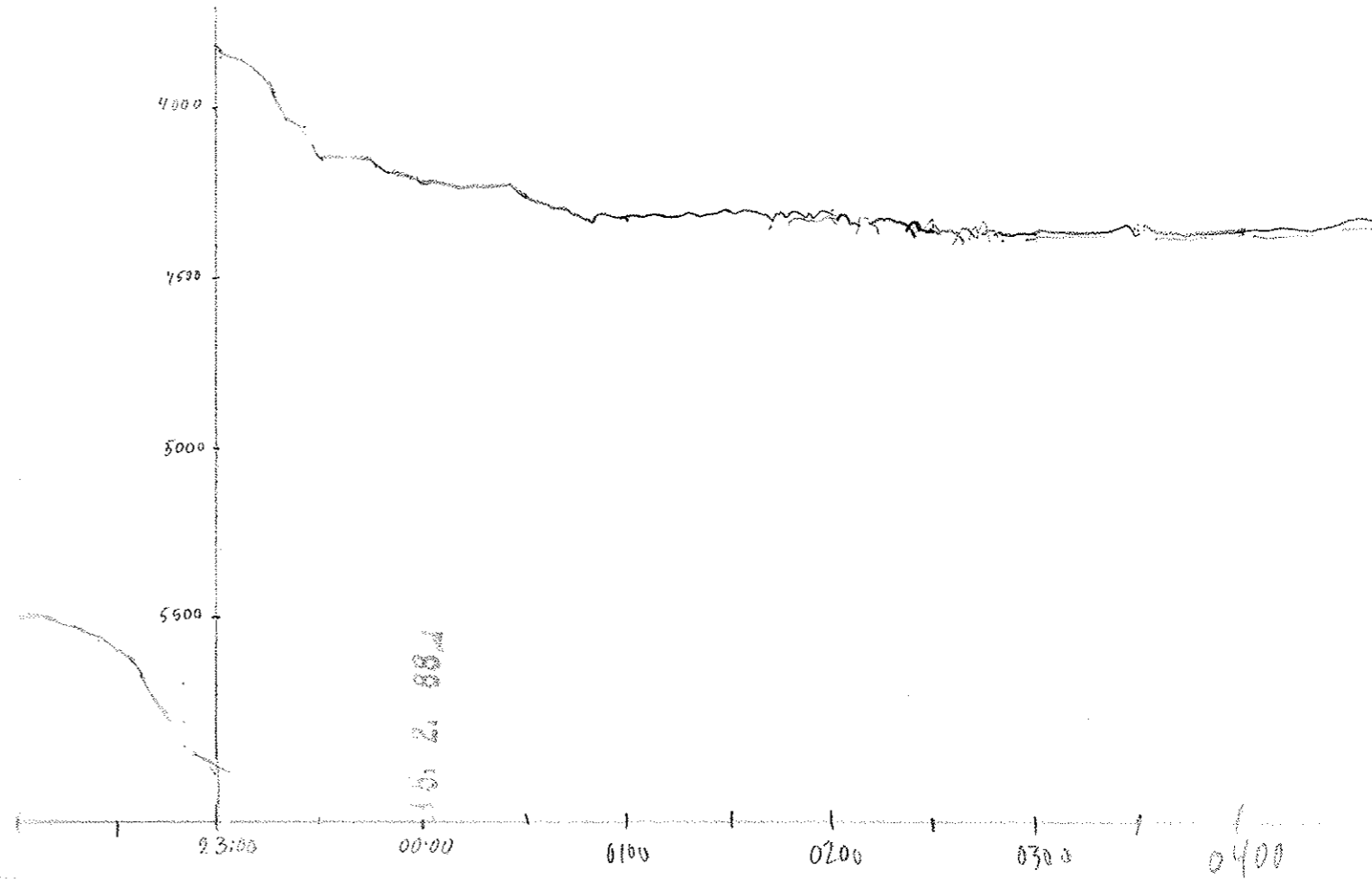
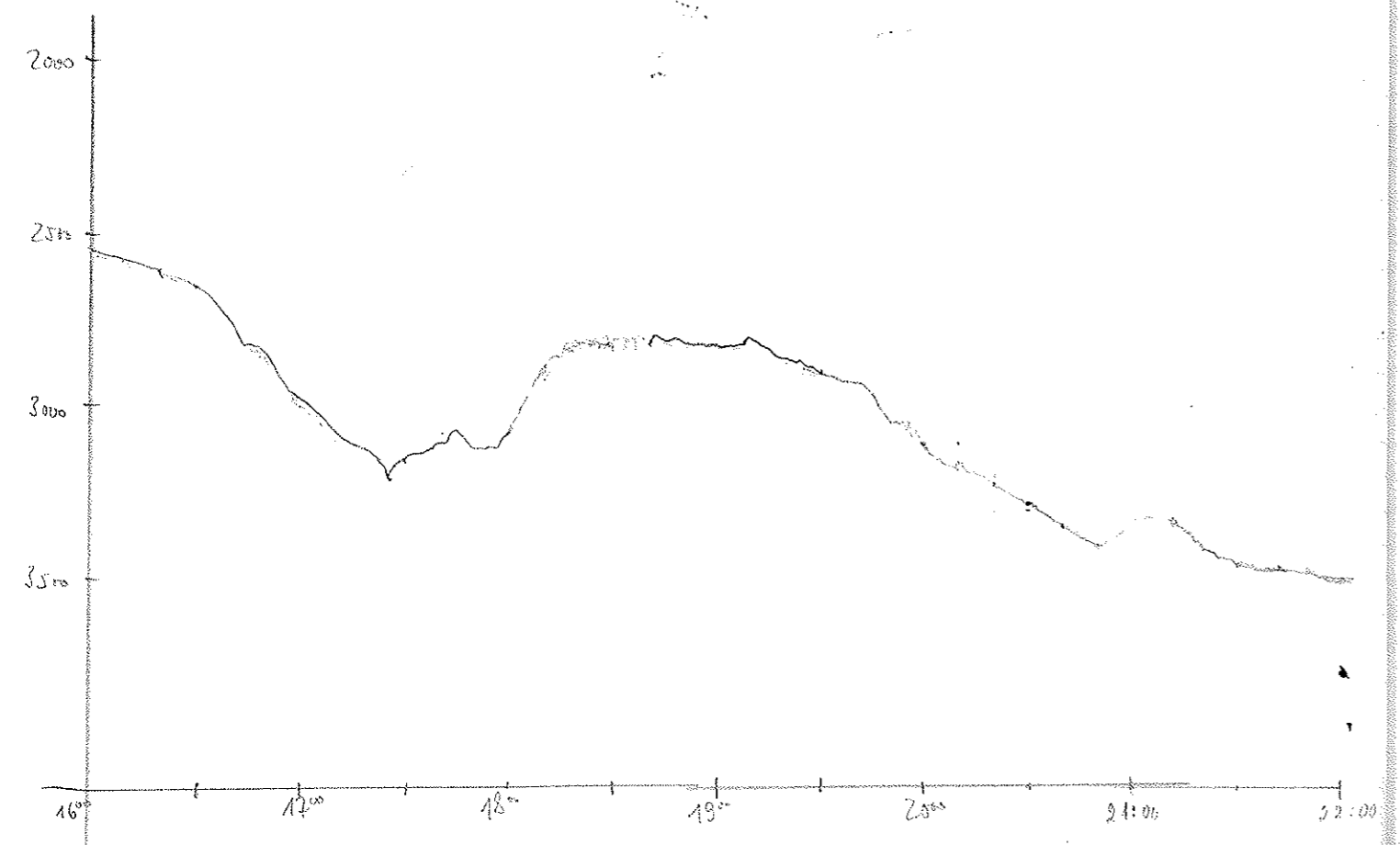
Melkor

Brotme

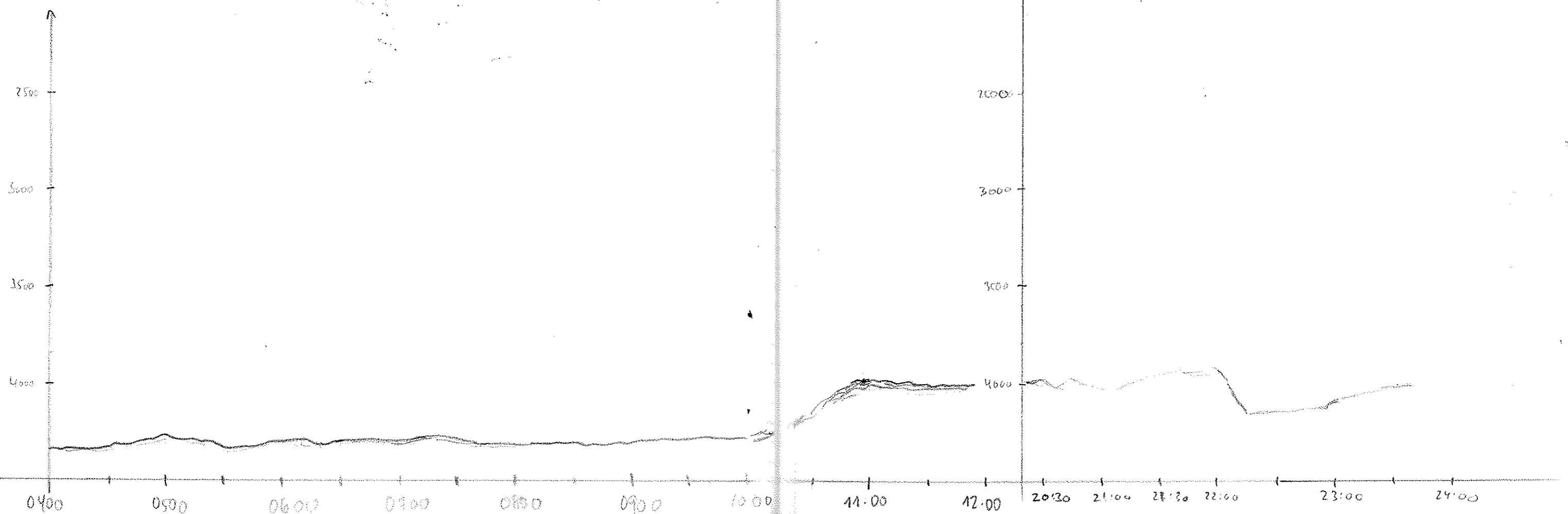
Macedo

Gute Nacht!

Loffler

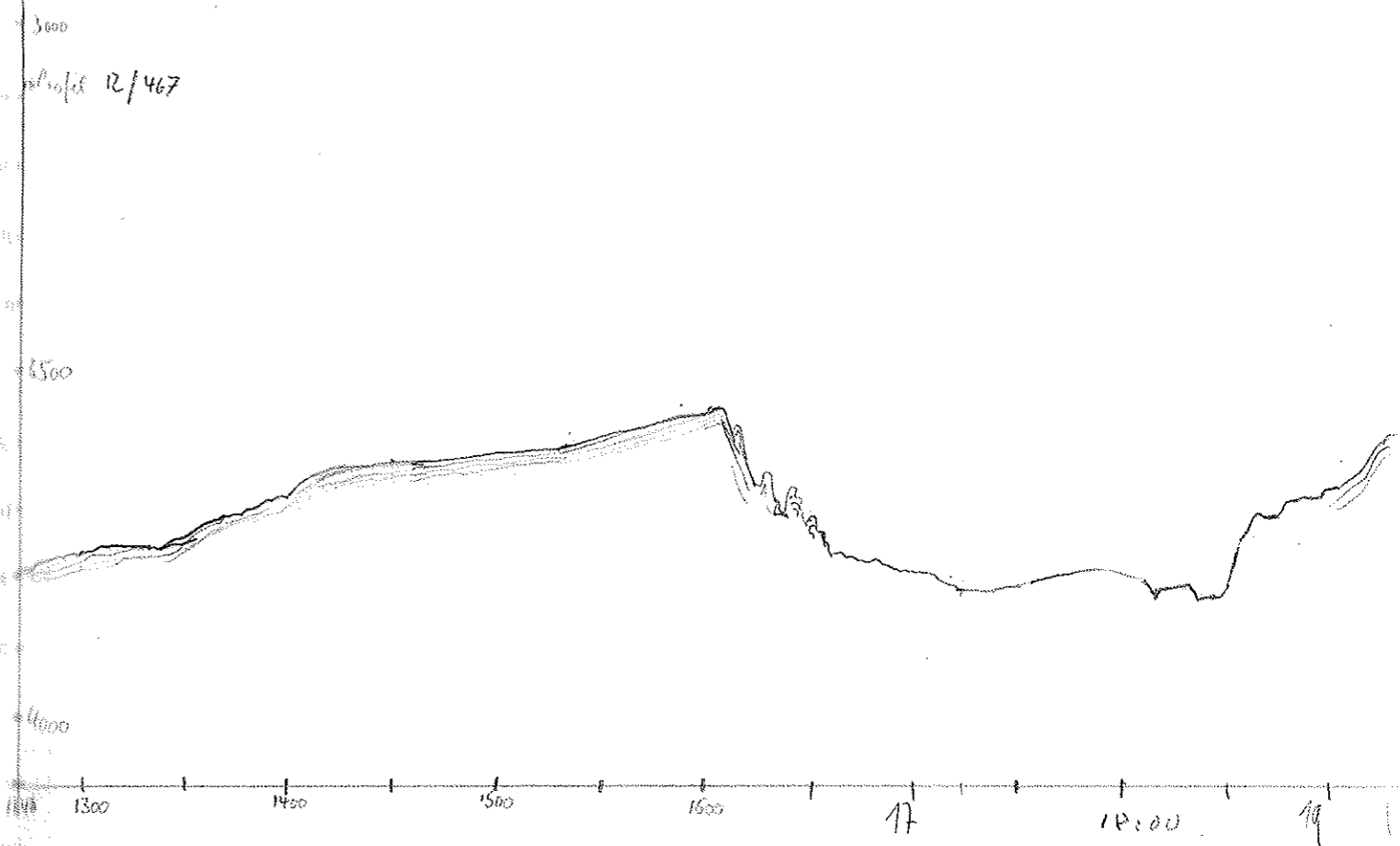
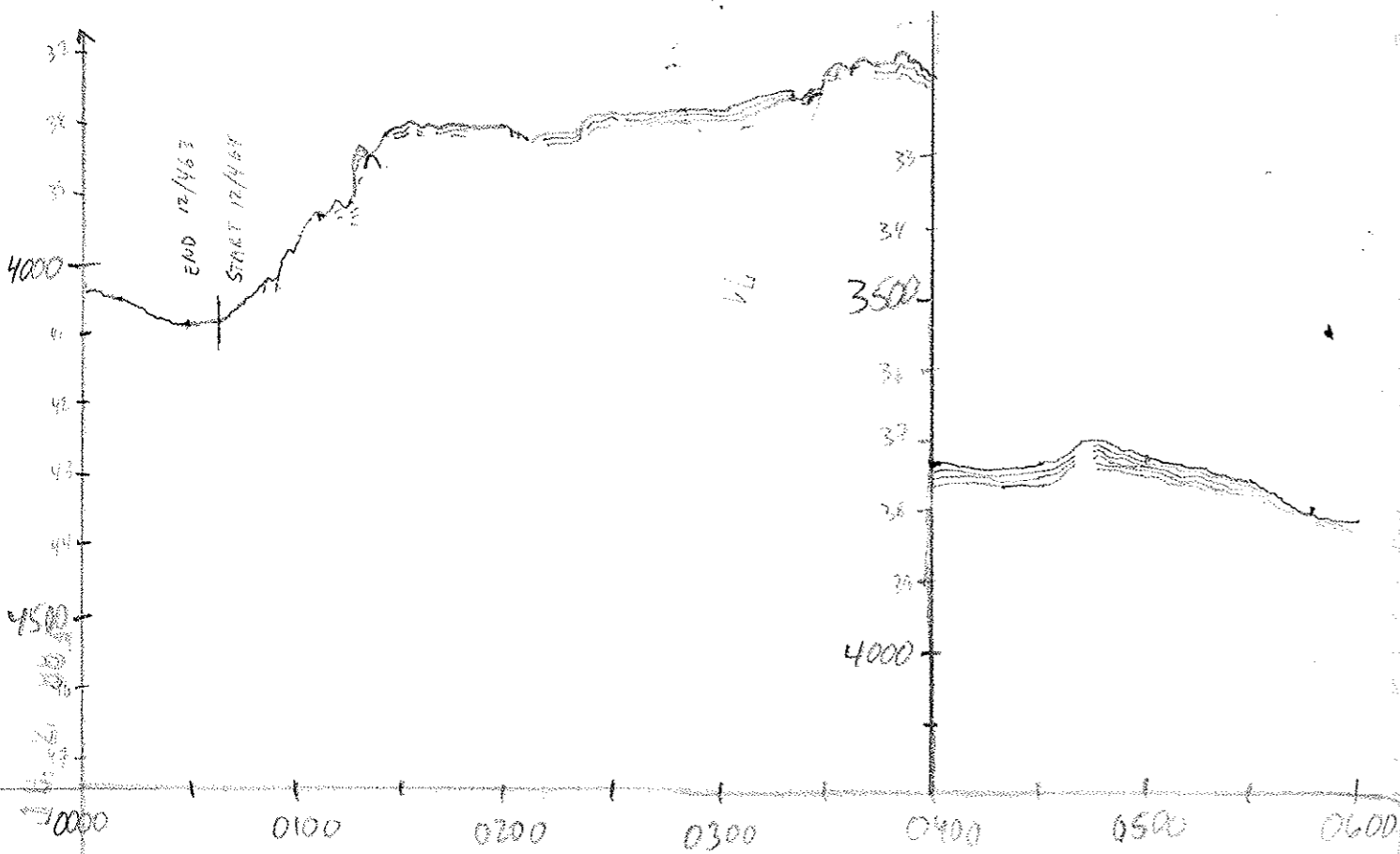


Roll	Profile	Date	Time	Lat. S	Long. W	Speed	Course	Depth	Range	SW	Trigger	Delay	S/sec	Pulse	SH	REMARKS
19	121457	15.02.88	5:30	71° 35.27	20° 53.08	9.8	247	4323	4125 - 4500	2	KP	0.00	1/2	1	Letter	
"	"	"	6:23	38.37	21° 17.60	9.9	250	4306	"	"	"	"	"	"	"	
"	"	"	7:02	40.44	36.10	9.9	247	4292	"	"	"	"	"	"	"	gute Fische!
"	"	"	7:30	42.06	44.62	10.0	248	4306	"	"	"	"	"	"	"	
"	"	"	8:00	43.87	22° 03.89	10.2	250	4315	"	"	"	"	"	"	"	
"	"	"	8:40	46.09	23.66	9.9	249	4292	"	"	"	"	"	"	Brat	
"	"	"	9:22	48.64	43.53	9.9	248	4246	"	"	"	"	"	"	"	
"	"	"	10:00	50.75	23° 2.77	10.1	248	4226	"	"	"	"	"	"	"	
"	"	"	10:32	52.65	17.27	9.9	250	4153	3938 - 4313	"	"	.25	"	"	"	
"	456	"	10:54	52.21	28.53	0	82.2	3991	"	"	"	"	"	"	"	ENDE Profil 457
"	460	"	20:22	74 51.79	22° 28.47	5.8	212	3998	3844 - 4219	2	KP	.38	"	"	Merke!	ANFANG Profil 20:30
"	461	"		53.68	27.68	8.6		4004	"							je Profilwechsel (Gerät defekt)
"	462	"		55.23	43.58	10.1		4070	"							(Gerät läuft wieder)
"	462	"	22:04	72° 03.31	54.44	10.6	189	3973	"							
"		"	22:12	04.69	52.25	10.6	180.2	4130	4175 - 4500	2	KP	.00				
"		"	22:26	07.09	54.28	10.4	196.3	4148	3844 - 4219			.38				
"		"	23:02	11.62	59.10	6.7	181.2	4082	"							
"		"	23:23	14.87	02.74	8.5	186.7	4008	"							
"	463	"	23:43	16.71	03.41	8.2	243.0	3985	"							Magnetometer Profil 462+463

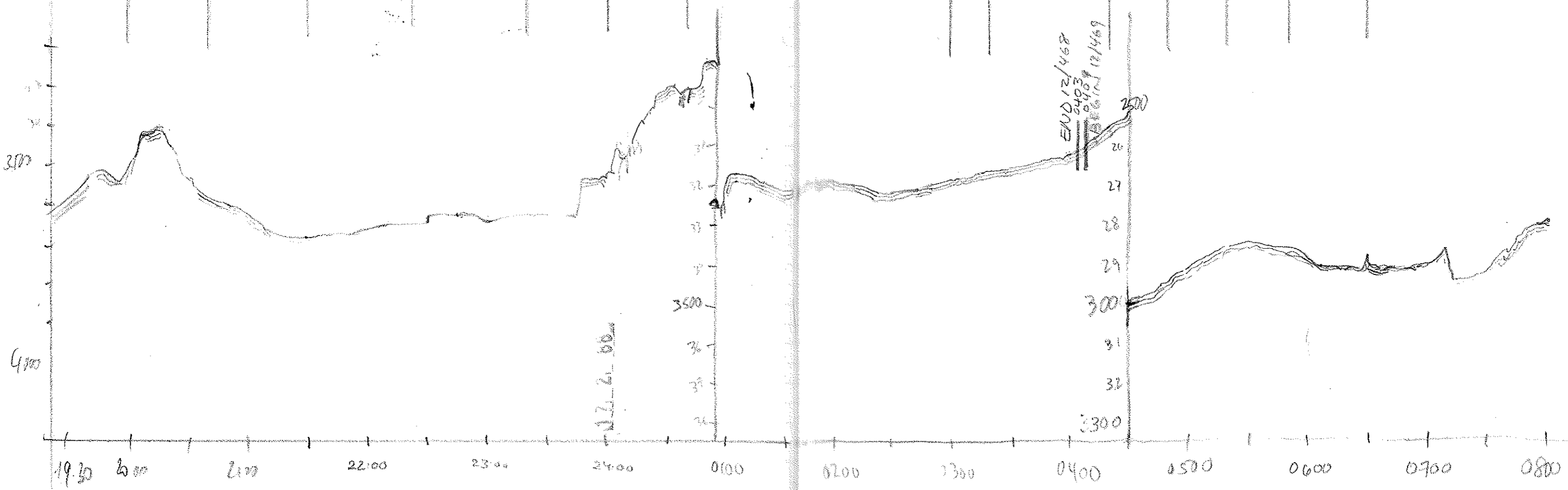


Roll	Profile	Date	Time	Lat S	Lon W	Speed	Course	Depth	Range	Sw	Trigger	Delay	s/sw	Pulse	JH	REMARKS
19	12/463	16.2.88	00:30	72° 14.53	240 22.76	9.5	285.9	4085	3844-4219	2	KP -	.38	1/2	1	MACEDO	
"	12/464	"	01:04	14.65	40.74	10.2	268.7	3963	"	"	"	"	"	"	"	
"	"	"	01:31	15.23	54.50	10.2	261.5	3812	3469-3844	3	"	.38	"	"	"	
"	"	"	02:00	16.12	25° 11.09	9.9	258.9	3813	"	3	"	"	"	"	"	
"	"	"	02:52	13.91	35.54	8.5	272.6	3785	3656-4031	"	"	.13	"	"	"	
"	"	"	03:31	14.78	52.90	9.8	250.1	3728	"	"	"	"	"	"	"	
"	"	"	03:52	16.29	26° 04.61	8.8	264.1	3723	3469-3844	3	KP -	.38	"	"	"	
"	"	"	4:33	17.39	10.77	7.6	262.0	3738	3563-3938	"	KP -	.25	"	"	Nied	
"	"	"	5:00	18.43	32.77	7.3	244.5	3722	"	"	"	"	"	"	"	
"	"	"	5:30	19.52	39.84	9.5	263.8	3762	"	"	"	"	"	"	"	5:50 Profilende
"	"	"	6:00	19.39	57.90	0	148.0	3849	"	"	"	"	"	"	"	Standby, Station 12/465

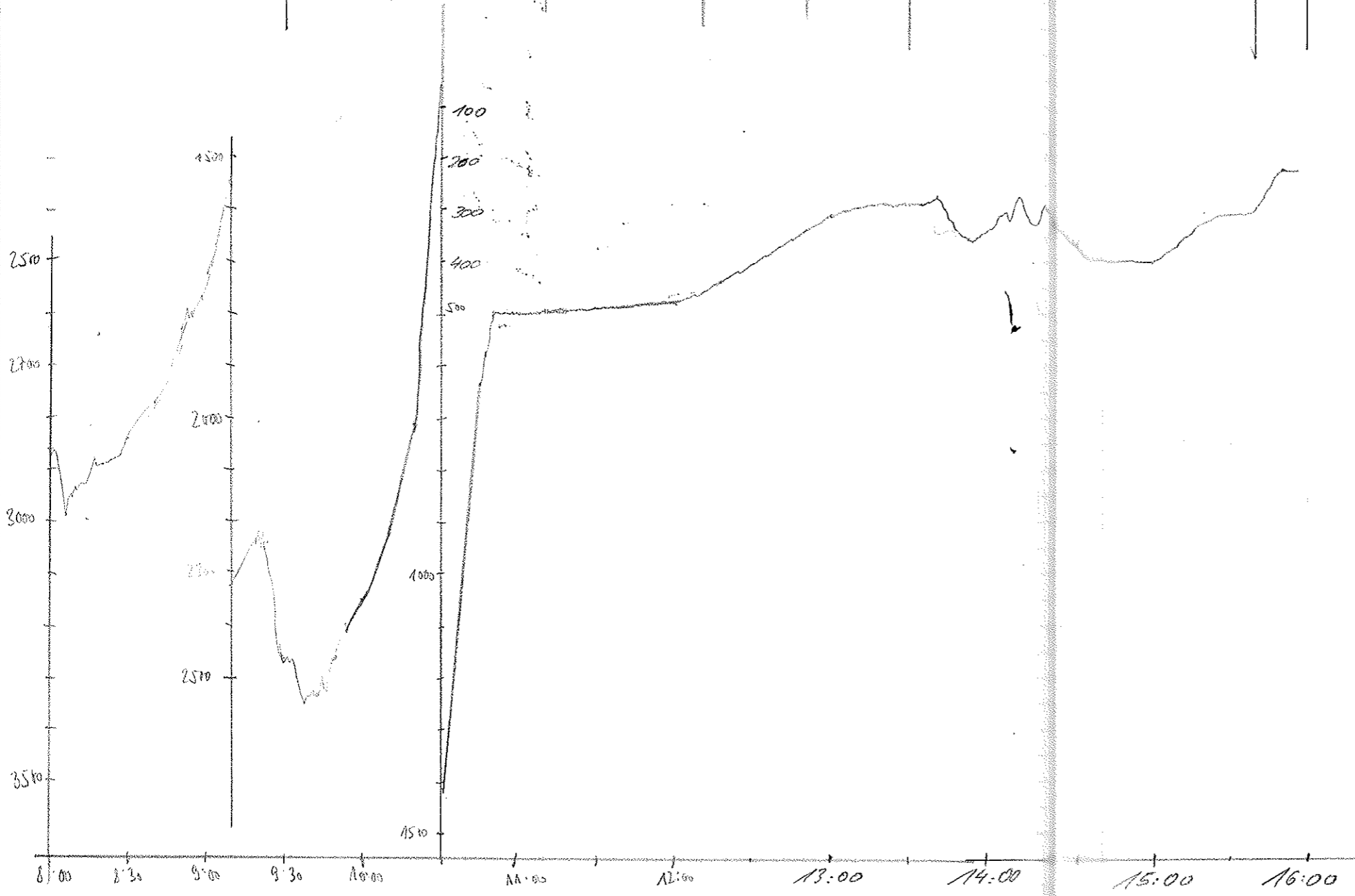
19	12/467	16.2.88	12:40	72° 20.15	26° 46.63	1.3	140	3787	3563-3938	3	KP -	.25	1/2	1	Lohas	Profilbeginn
"	"	"	13:00	21.32	42.73	8.7	161	3764	"	"	"	"	"	"	"	
"	"	"	13:40	24.26	36.20	6.0	120	3718	"	"	"	"	"	"	"	
"	"	"	14:30	28.92	16.70	9.5	137	3633	"	"	"	"	"	"	"	
"	"	"	15:06	33.47	08.70	9.5	138	3610	3375-3750	2	KP	.00	"	"	"	
"	"	"	16:00	38.73	25° 48.68	8.9	134	3547	"	"	"	"	"	"	"	
"	"	"	16:32	41.08	57.86	8.9	134	3730	3563-3938	3	KP -	.13	"	"	Beral	
"	"	"	17:15	45.24	23.36	4.6	137	3832	"	"	"	"	"	"	"	
"	"	"	18:00	49.03	25 14.33	7.0	128	3799	"	"	"	"	"	"	"	
"	"	"	18:31	52.50	03.49	7.7	120	3749	"	"	"	"	"	"	"	
"	"	"	19:13	56.14	24 49.31	4.4	115	3630	3281-3654	2	KP	.13	"	"	"	
"	"	"	20:00	71° 54' 86	24° 31.32	8.0	132	3493	"	"	"	"	"	"	"	



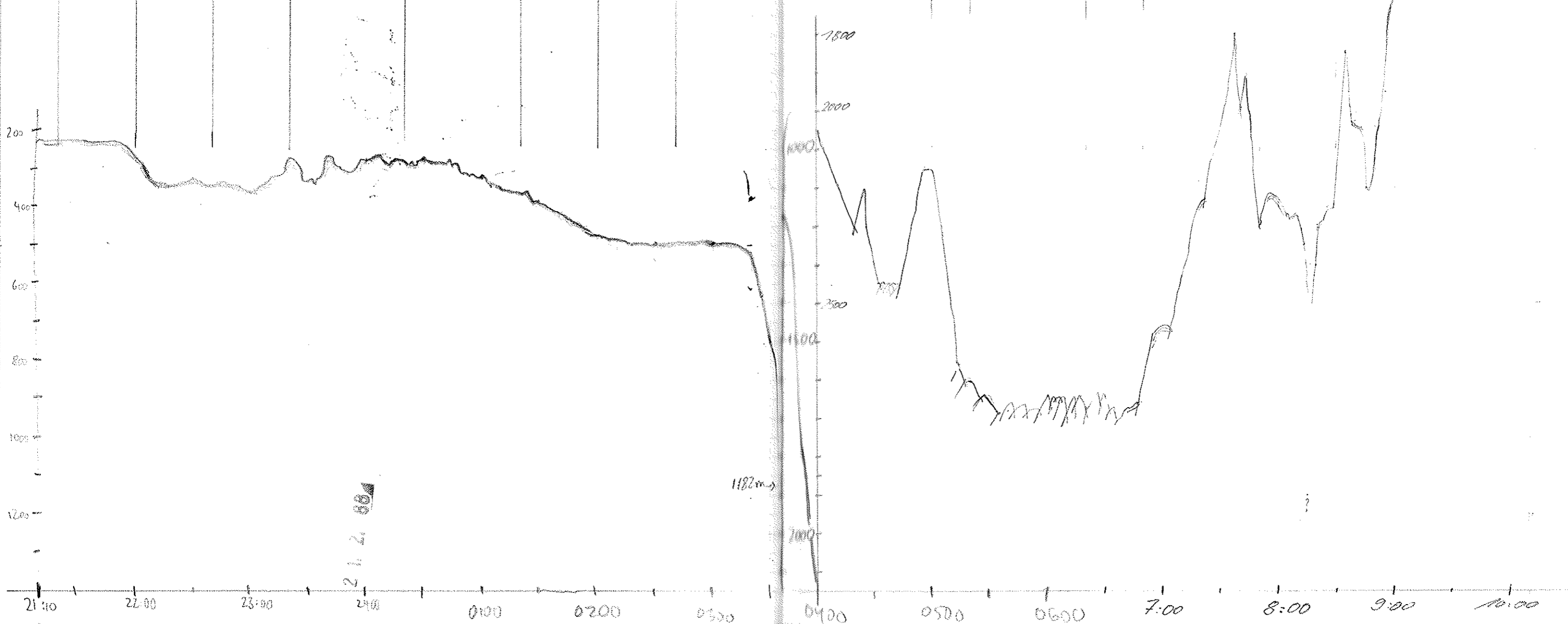
20	Profl	Dat.	Zeit	Lat S	Lon W	Speel	Course	Depth	Bearing	St	Trigg	Dk	Ysc	Pulse	Wacht	Ben L
19	12/467	16.2.88	20.05	-73° 00.43	-24° 28.43	8.0	127.3	3474	3281 - 3656	2	KP	.13	1/2	1	Hartfeld	Prof. Lunde
	12/468		20.19	01.70	30.85	7.0	243.3	3451	"							
			20.43	03.50	43.08	8.7	233.2	3601	3563 - 3932	3	KP	.25				
			21.27	06.20	58.38	7.3	225.9	3678	"							
			21.57	07.45	26° 06.73	6.6	240.3	2662	"							
20			22.02	07.34	09.90	5.2	239.3	3664	"							
			22.07	08.48	11.47	6.4	237.2	(3532)	"							
			22.42	09.32	23.90	6.7	265.7	3630	"							
			22.46	12.84	43.38	3.4	230.0	3603	3281 - 3656	2	KP	.13				
20	12/468	17.2	00:31	16.36	26° 07.44	8.8	225.4	3304	3188 - 3563	2	KP	.25	1/2	1	MA (45)	
"	"	"	01:03	18.65	21.48	9.5	238.7	3172	3094 - 3469	"	"	.38	"	"	"	"
"	"	"	01:31	20.59	35.71	9.5	244.3	3216	"	"	"	"	"	"	"	"
"	"	"	02:00	22.69	50.58	9.8	241.8	3193	"	"	"	"	"	"	"	"
"	"	"	02:32	25.03	27° 06.62	9.9	239.9	3227	"	"	"	"	"	"	"	"
"	"	"	03:00	27.24	22.81	10.1	240.6	3202	"	"	"	"	"	"	"	"
"	"	"	03:30	29.58	38.32	9.7	237.0	3157	3000 - 3375	3	K-P	.00	"	"	"	"
"	"	"	04:00	31.82	52.77	9.4	242.3	3122	"	"	"	"	"	"	"	"
"	12/469	"	04:30	35.37	49.64	6.6	145.2	3001	2919 - 3094	"	"	.38	"	"	"	"
"	"	"	05:08	38.04	27° 38.05	8.2	134.7	2856	"	"	"	"	"	"	"	Prost
"	"	"	06:08	45.19	23.14	9.2	137.9	2832	"	"	"	"	"	"	"	W
"	"	"	06:57	50.59	5.08	9.7	137.1	2907	"	"	"	"	"	"	"	W
"	"	"	07:46	58.30	26° 43.63	12.3	139.7	2836	"	"	"	"	"	"	"	W



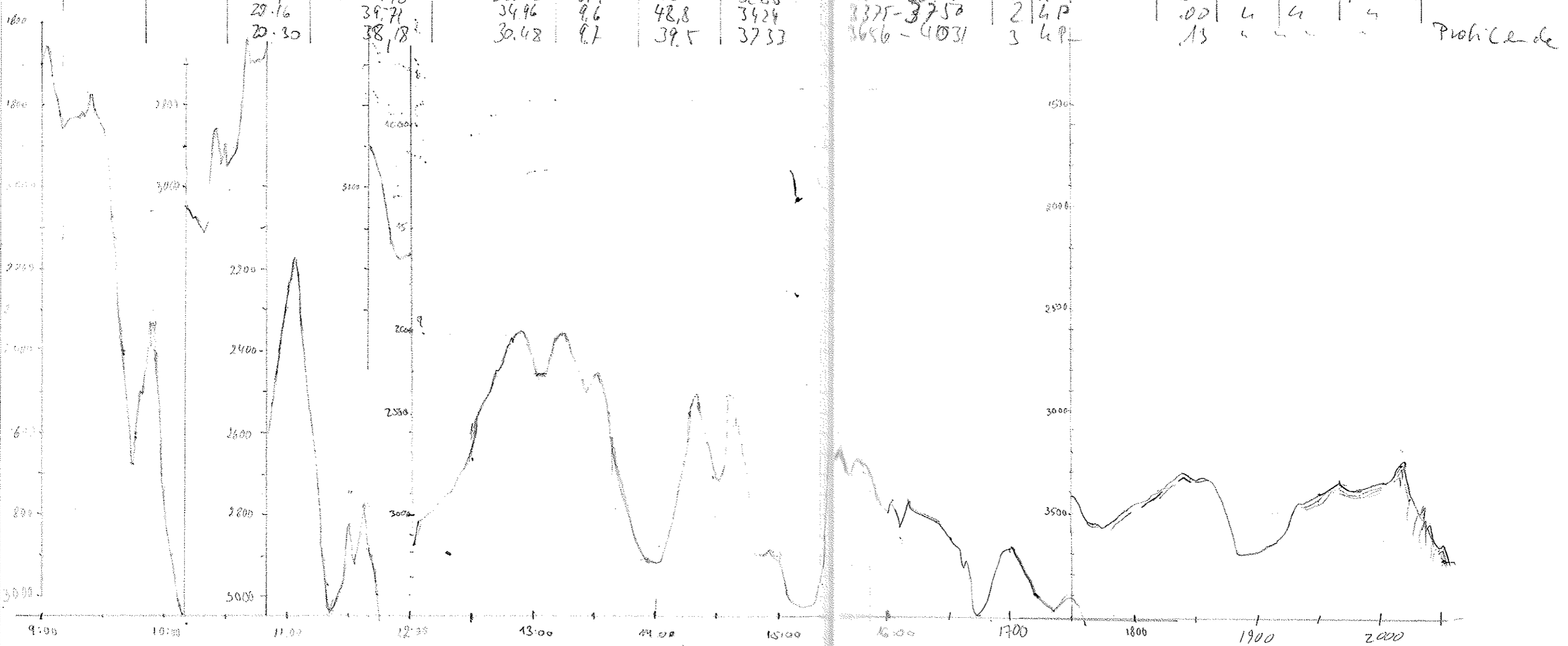
Depth	Profil	Datum	Zeit	Lat. S	Lon W	Speed	Course	Depth	Bereich	Su	Tragg cv	Delay	1/sw	Pulse	KW	Remarks
Zo	12/469	17.02.88	8:00	74° 00.06	26° 36.12	12.2	138.0	2869	6719-3094	3	k-7--	0.38	1/2	1	frisch	
"	"	"	8:12	05.82	21.89	12.0	149.3	2825	"	"	"	"	"	"	"	
"	"	"	9:00	10.74	10.45	11.8	140.8	2551	2344-2719	2	kP-	0.38	"	"	"	9:13 Profilmunde 1-beginn
"	12/470	"	9:31	15.52	11.16	9.6	244.0	2460	2250-2625	5	k7kP-	0.00	"	"	"	
"	"	"	10:01	20.54	10.46	12.5	158.0	2350	"	"	"	"	"	"	"	
"	"	"	10:30	25.96	16.66	10.7	189.9	1415	1125-1500	2	kP-	"	"	"	"	
"	"	"	11:02	31.09	18.34	7.3	179.8	493	375-750	2	kP	"	"	"	"	
"	"	"	11:30	36.32	21.00	12.5	193.8	493	"	"	"	"	"	"	"	
"	"	"	12:00	42.74	25.74	12.6	179.5	472	"	"	"	"	"	"	"	
"	"	"	12:32	49.05	28.05	12.5	187.8	397	381-656	"	"	.13	"	"	Nied	
"	"	"	12:54	53.60	30.07	11.8	182.8	298	94-469	"	"	.38	"	.2	"	
"	"	"	13:36	58.97	31.95	12.5	177.4	205	"	"	"	"	"	"	"	
"	"	"	14:06	75° 05.65	33.76	12.8	186.7	309	"	"	"	"	"	.5	"	
"	"	"	14:30	10.67	37.71	11.4	186.7	357	"	"	"	"	"	"	"	
"	"	"	15:00	16.93	40.92	12.3	186.8	401	488-563	"	"	.25	"	"	"	
"	"	"	15:49	24.94	45.10	0	91.7	223	"	"	"	"	"	"	"	Standby, Station



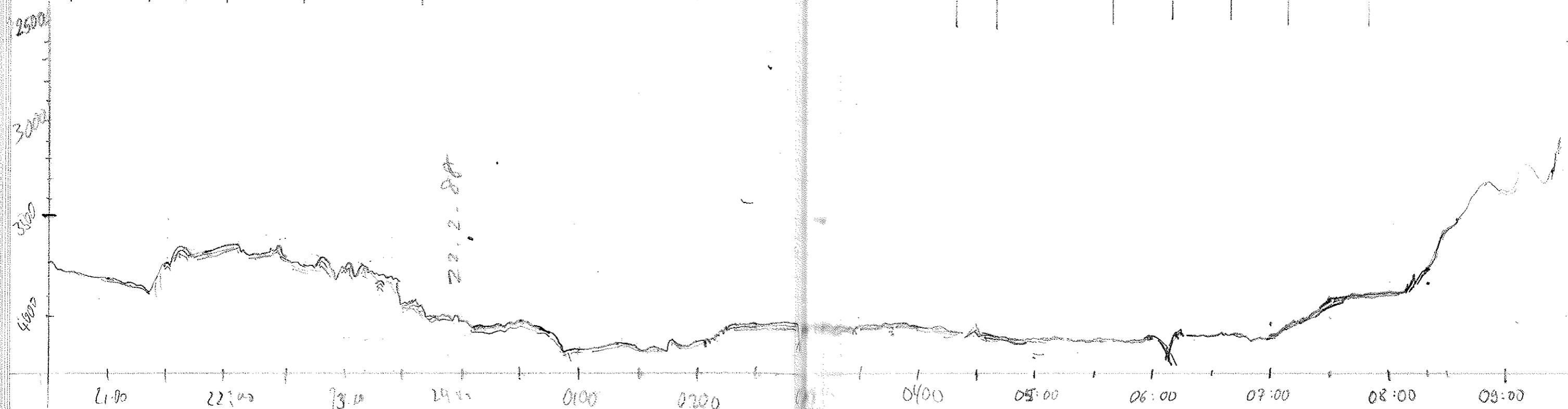
Rolle	Profil	Datum	Zeit	Lat [°S]	Lon [°W]	Speed	Hdg	Tiefe	Bereich	Sw	Trigger	Delay	S/Sw	Pulse Length	Wachzeit	Bemerk	159
20	12/473	20.2.88	21:07	75° 28.53	26° 59.16	5.3	009	232	188 - 563	2	KP	0.25	1/2	1	Zotter	Aufzeichnungsbeginn ~ 21:20	
"	"	"	21:47	23.07	56.22	10.3	359	244	"	"	"	"	"	"	"	"	
"	"	"	22:56	12.01	49.27	9.0	356	350	"	"	"	"	"	"	"	"	
"	"	"	23:38	05.37	43.33	16.0	021	292	"	"	"	"	"	"	"	"	
20	12/473	1. 2. 88	00:00	01.95	38.37	10.0	021.2	280	"	"	"	"	"	"	MACEBO		
"	"	"	00:30	74° 57.08	36.91	9.7	014.9	278	"	"	"	"	"	"	"	"	
"	"	"	01:00	52.16	31.95	9.6	013.1	320	"	"	"	"	"	"	"	"	
"	"	"	01:33	46.99	29.15	9.2	010.0	440	"	"	"	"	"	"	"	"	
"	"	"	02:00	42.82	24.05	9.4	009.4	474	"	"	"	"	"	"	"	"	
"	"	"	02:30	37.71	21.29	9.6	010.2	495	"	"	"	"	"	"	"	"	
"	"	"	03:01	32.66	17.87	9.5	016.4	491	375 - 750	"	"	0.00	"	"	"	"	
"	"	"	03:32	27.53	13.47	9.7	14.4	~800	"	"	"	"	"	"	"	"	
"	"	"	03:40	26.17	12.21	9.4	14.0	1182	1031 - 1406	2	KP - -	0.13	"	"	"	"	
"	"	"	04:03	22.47	9.17	9.7	15.0	2133	1781 - 2156	"	"	"	"	"	"	"	
"	"	"	4:06	21.97	8.60	9.4	16.9	2174	2456 - 2537	5	KPKP-	"	"	"	Wied		
"	"	"	4:56	18.95	2.34	9.6	14.5	2152	2069 - 2844	"	"	0.38	"	"	"	"	
"	"	"	5:17	10.98	0.94	9.3	16.9	2668	2438 - 2813	2	KP	0.25	"	"	"	5:23 Profilwechsel	
"	12/474	"	5:43	07.78	25° 52.61	9.9	46.7	2809	2725 - 3000	"	"	0.00	"	"	"	"	
"	"	"	6:20	03.27	38.48	10.0	47.7	2775	"	"	"	"	"	"	"	"	
"	"	"	6:56	73° 58.57	25.22	9.6	39.7	2584	2438 - 2813	"	"	0.25	"	"	"	"	
"	"	"	7:25	55.62	13.60	6.3	39.8	2433	1875 - 2250	"	"	0.00	"	"	"	"	
"	"	"	7:59	53.04	03.62	8.0	33.4	2237	2456 - 2537	5	KPKP-	0.13	"	"	"	"	
"	"	"	8:30	50.50	024° 56.76	7.2	34.3	2075	1469 - 2344	5	"	0.38	"	"	Breime		
"	"	"	9:00	47.40	49.84	7.8	37.0	1724	1594 - 1969	2	KP-	0.38	"	"	"	"	



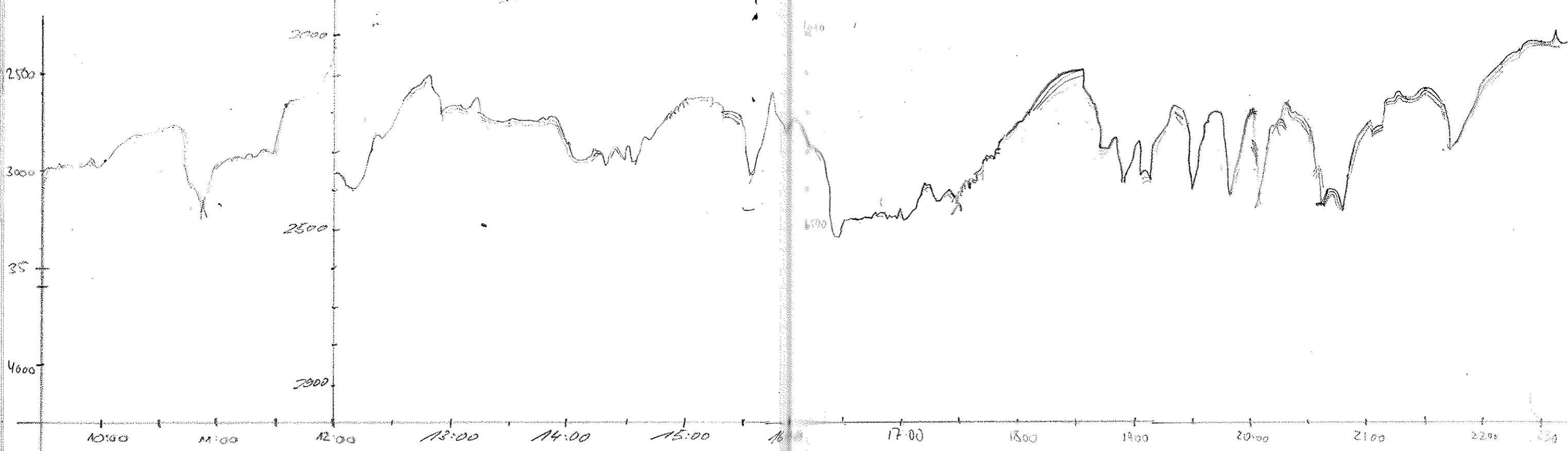
Rolle	Profil	Datum	Zeit	Lat [°S]	Long [°W]	Speed	Kurs	Tiefe	Bereich	SW	Trigger	Delay	S/SW	Pulse	Ausicht	OBS
20	12/474	21.2.88	9:30	73° 43,89'	024° 42,06'	10,1	45,4	1928	1594-1969	2	KP	0,38	1/2	1	Brahme	
"	"	"	10:00	40,64'	30,84'	9,6	40,6	2710	2344-2719	5	KP KP-	0,38	1/2	1	"	
"	"	"	10:30	36,82'	20,28'	9,6	44,5	2904	2625-3000	2	KP	0,00	1/2	1	"	
"	"	"	11:00	33,45'	09,86'	8,5	42,7	2313	2063-2438	5	KP KP-	0,25	1/2	1	"	
"	"	"	11:30	30,08'	03,70'	6,0	43,5	2874	2625-3000	2	KP	0,00	1/2	1	"	
"	"	"	12:00	27,79'	023° 55,19'	7,9	45,1	3166	1000-3375	3	K-P-	0,00	1/2	1	"	
"	"	"	12:06	27,28	52,76	7,3	48,2	3052	1913-3094			.38			Herfeld	
"	"	"	12:26	25,52	46,87	7,7	42,6	2711	2344-2719	2	KP					
"	"	"	12:43	23,46	40,44	7,2	44,0	2050	1688-2062	2	KP	.25				
"	"	"	12:09	22,18	36,34	4,5	43,6	7055	1688-2063	2	KP	.25				
"	"	"	13:44	19,80	27,63	8,5	38,4	2830	1913-3168	3	KP	(13:43) .25				
"	"	"	13:51	18,31	23,70	8,2	38,2	3187	1913-3168	2	KP	.25				
"	"	"	14:34	14,00	12,15	8,5	34,6	2772	1913-2913	2	KP	.25				
"	"	"	14:42	12,32	07,93	10,4	41,1	2882	1913-3188	2	K-P	.75				
"	"	"	15:27	08,32	22° 55,18	8,4	31,0	2	1521-2866	2	KP	.13				
"	"	"	15:54	04,86	48,93	8,3	43,1	2820	1913-2188	3	K-P	.25				
20	12/474	21.2.88	16:27	01,28	37,64	9,7	040	3121	3000-3375	3	K-P	0,00	1/2	1	Loblar	
"	"	"	17:00	72° 57,37	25,17	8,8	040	3204	"	"	"	"	"	"	"	
"	"	"	17:30	53,99	16,29	7,9	31,8	3404	1281-3656	2	KP	0,13	1/2	1	"	
"	"	"	17:57	51,03	10,50	5,0	039	3477	"	1	"	"	"	"	"	
"	"	"	18:30	48,76	03,51	5,3	050,2	3344	"	"	"	"	"	"	"	
"	"	"	18:51	46,88	21° 59,39	8,3	029	3683	1469-3844	3	KP	.38	"	"	"	
"	"	"	19:25	43,08	50,77	8,2	045	3466	1281-3656	2	KP	.13	"	"	"	
"	"	"	20:00	40,78	40,45	5,6	037	3359	"	"	"	"	"	"	"	
"	"	"	20:11	39,98	36,92	6,4	046	3286	3000-3375	3	K-P	0,00	"	"	Bernel	
"	"	"	20:16	39,71	34,96	9,6	42,8	3424	3375-3758	2	KP	.00	1/2	1	"	
"	"	"	20:30	38,18	30,48	9,7	39,5	3733	3656-4031	3	KP	.13	"	"	"	Profil de



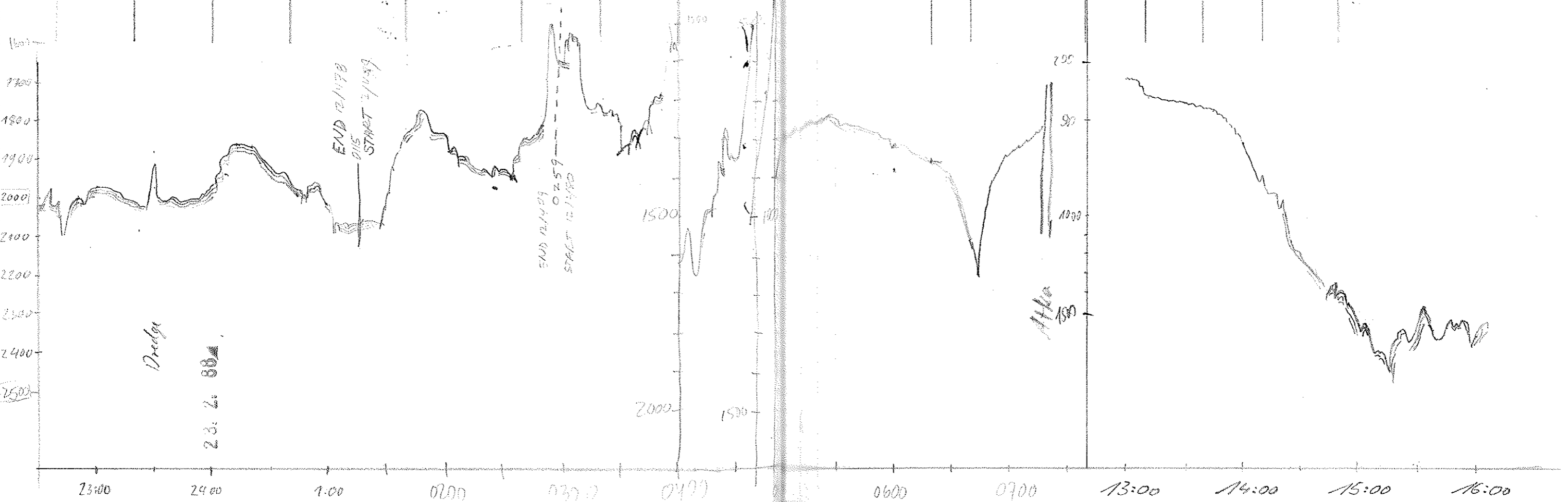
Ro	Publ	Date	Feet	LAT	LOn	Speed	Kms	Tiefe	Bereid	SW	Trigw	Del	Ysw	Pulse	Invent	Ben	163	
20	11/475	21.2.88	20:30	71° 38.18	21.30.48	9.7	39.5	3732	3656-4031	3	KP-	.13	1/2	1	Berns	Phosphor		
			21:00	35.65	33.76	3.6	27.2	3804	"	"	"	"	"	"	"	"	EIS	
			21:30	32.97	36.34	7.6	34.9	3724	"	"	"	"	"	"	"	"	"	
			21:50	30.82	36.72	4.0	34.7	3678	3464-3844	3	KP-	.38	"	"	"	"	"	
			22:30	28.25	41.54	2.6	33.2	3707	"	"	"	"	"	"	"	"	"	
			23:00	23.44	44.62	9.7	33.7	3768	"	"	"	"	"	"	"	"	"	
			23:24	29.23	49.42	10.0	34.3	3786	3656-4031	3	KP-	.13	"	"	"	"	"	
			24:00	14.73	54.73	10.9	34.2	4014	3988-4313	2	KP	.25	"	"	"	"	"	
20	12/475	22.2.88	00:30	10.79	59.08	8.0	343.5	4025	"	"	"	"	"	"	"	"	"	22.2.88
"	"	"	01:00	08.98	50.45	7.5	077.5	4168	"	"	"	"	"	"	"	"	"	MACEDO
"	"	"	01:30	07.73	42.32	7.0	086.5	4160	"	"	"	"	"	"	"	"	"	"
"	"	"	02:00	06.62	28.90	7.0	071.4	4134	"	"	"	"	"	"	"	"	"	"
"	"	"	02:30	04.91	12.16	6.9	088.1	4033	"	"	"	"	"	"	"	"	"	"
"	"	"	03:00	03.63	02.35	9.8	068.4	4036	"	"	"	"	"	"	"	"	"	"
"	"	"	03:32	02.12	20° 48.48	10.2	072.8	4059	"	"	"	"	"	"	"	"	"	"
"	"	"	04:01	00.53	20° 33.23	10.6	070.1	4090	"	"	"	"	"	"	"	"	"	"
"	"	"	04:40	71° 58.18	20° 12.03	10.3	70	4080	"	"	"	"	"	"	"	"	"	T3rod
"	"	"	06:05	53.33	19° 29.01	10.2	73.7	4124	"	"	"	"	"	"	"	"	"	"
21	12/475	"	06:34	54.69	19° 14.11	10.1	74.3	4122	"	"	"	"	"	"	"	"	"	Shim Roll
"	"	"	07:02	50.06	15° 00.29	10.1	74.6	3933	3656-4089	3	KP-	.13	"	"	"	"	"	
"	"	"	07:30	48.04	18° 43.20	10.2	58.8	3781	"	"	"	"	"	"	"	"	"	
			8:08	45.33	30.74	10.5	71.3	3745	3669-3844	3	KP-	.38	"	"	"	"	"	
			8:43	44.55	19.01	10.0	66.0	3505	3182-3563	2	KP	.25	"	"	"	"	"	
			9:25	42.53	17° 37.20	10.2	70.8	3284	2906-3281	2	K-P	.13	"	"	"	"	"	
			10:04															



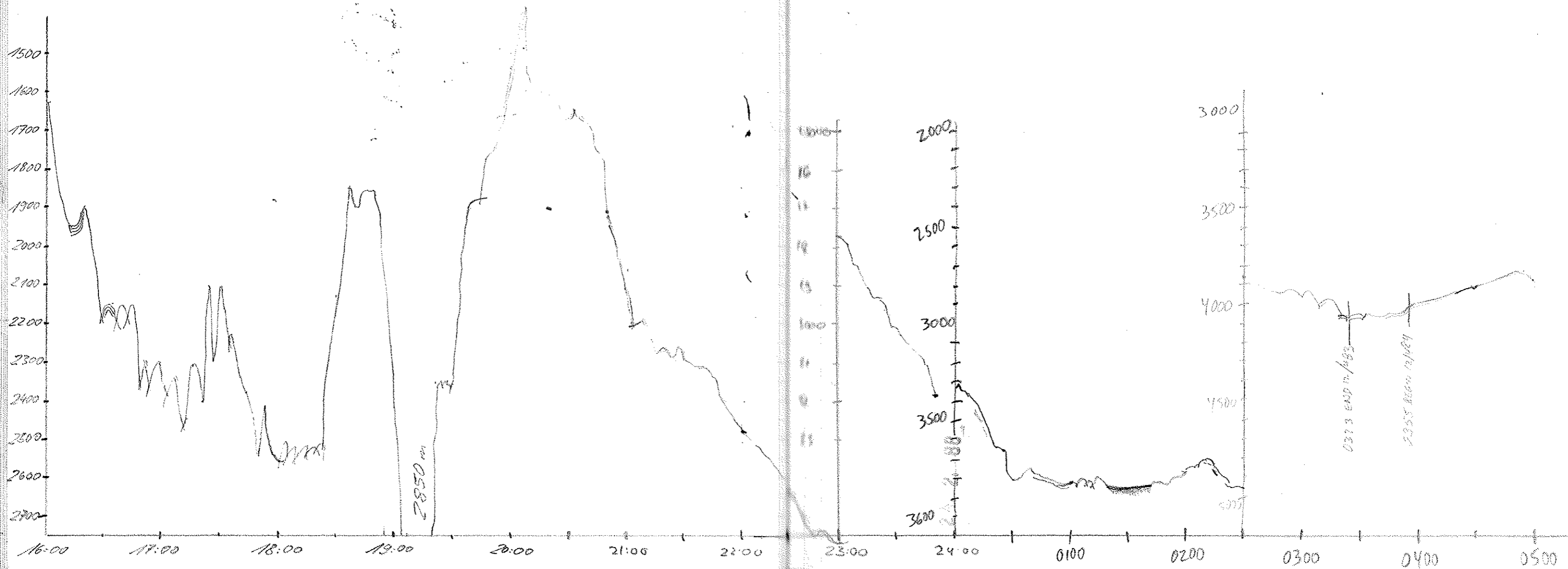
ROLLE	PROFIL	DATUM	ZEIT	LAT	LONG	SPEED	KLASS	TIEFE	BEREICH	SW	TRIGGER	DEZIM	S/SW	PULS	PROTOKOLL
21	12/475	22.2.88	10.04	71° 40.38	17° 32.24	10.2	68.8	3044	2806 - 3281	3	K-P	0.13	1/2	1	Herfeld
			10.13	39.82	20.20	10.3	71.4	2940	2625 - 3009	2	KP	0.00			
			10.49	37.89	10.78	10.0	72.0	3028	3000 - 3325	3	K-P				
			11.03	37.43	04.18	10.2	70.6	3051	2719 - 3094			0.28			
			11.35	35.68	16° 48.78	3.8	69.4	2692	2344 - 2719	2	KP				
"	12/476	"	12:08	33.92	32.95	10.0	69.9	2359	"	"	"	"	"	"	Nied
"	"	"	12:48	31.55	18.29	10.2	67.8	2272	"	"	"	"	"	"	Profilwechsel 13 10
"	12/477	"	13:31	28.67	15° 53.88	10.3	56.8	2229	"	"	"	"	"	"	"
"	"	"	14:01	26.52	47.35	10.0	53.8	2278	"	"	"	"	"	"	"
"	"	"	14:32	22.92	29.58	10.3	53.5	2316	"	"	"	"	"	"	"
"	"	"	15:00	20.28	17.78	10.4	56.7	2168	"	"	"	"	"	"	"
"	"	"	15:33	17.27	05.21	9.9	56.7	2300	"	"	"	"	"	"	"
"	"	"	15:58	15.06	14° 55.42	9.9	55.8	2264	"	"	"	"	"	"	"
"	"	"	16:15	13.26	47.82	9.8	056	2498	2438 - 2813	2	KP	.25	"	"	Lothar
"	"	"	17:24	06.65	19.33	9.4	058	2378	2250 - 2625	5	KPKP	.00	"	"	"
"	"	"	18:40	70° 59.01	13° 46.90	10.1	055	2256	2063 - 2432	"	"	.25	"	"	"
"	"	"	19:16	55.97	34.65	10.0	060	2380	"	"	"	"	"	"	"
"	"	"	19:50	52.77	20.44	10.2	056	2202	"	"	"	"	"	"	"
"	"	"	20:34	48.65	2.51	10.2	57	2307	"	"	"	"	"	"	Karben
"	"	"	21:03	45.68	12° 50.33	10.2	56	2270	"	"	"	"	"	"	"
"	"	"	21:38	42.36	36.41	10.2	55	2202	"	"	"	"	"	"	"
"	"	"	22:10	39.51	23.92	10.0	56	2076	1969 - 2344	"	"	.38	"	"	"



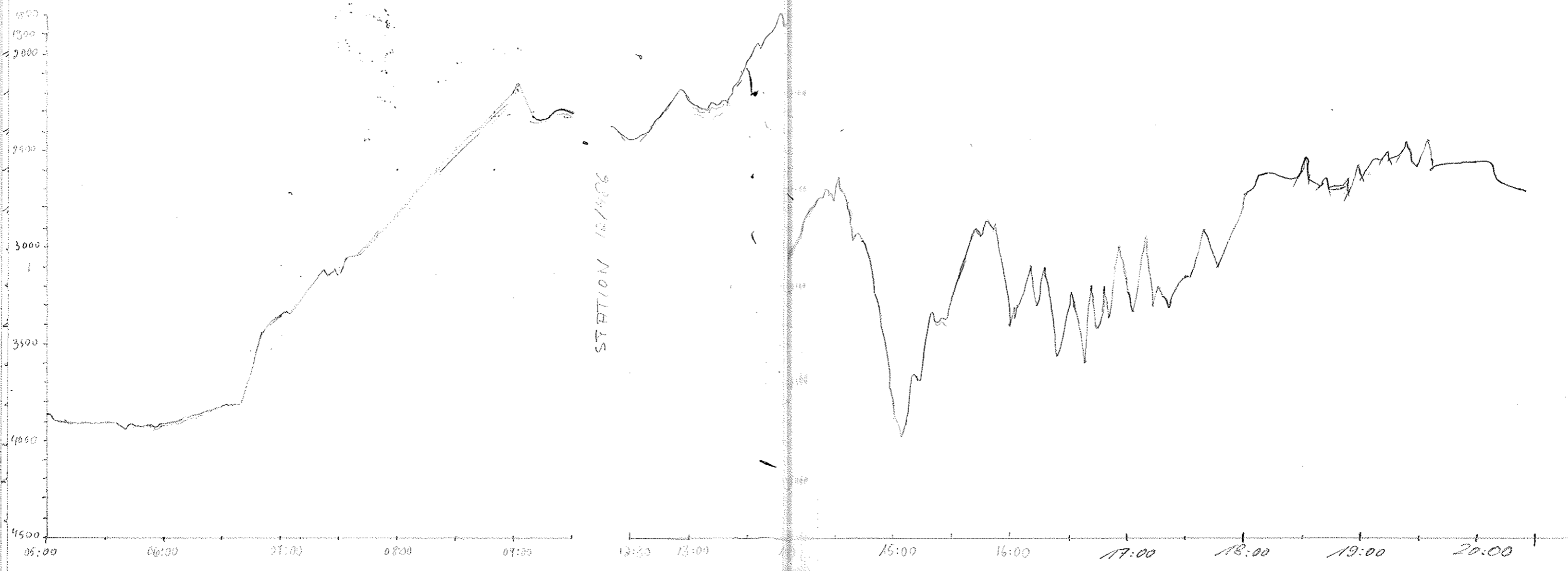
Rolle	Profil	Datum	Zeit	Lat	Lon	Speed	Kurs	Tiefe	Bereich	SW	Trigger	Delay	s/saw	Puls length	Protokoll	
21	12/474	22.2.88	22:45	70° 35,85' S	12° 9,29' W	10.3	56	2039	1969-2344	5	KPKP-	0.38	1/2	1	Kahn	
"	12/478	"	23:00	34,43'	3,35'	10,0	52	1973	1789-2956	2	KP	.13	"	"	"	Profilenote 1-anfang
"	"	"	23:30	37,77	11° 51,07'	10,2	53	1990	"	"	"	"	"	"	"	"
"	"	23.2.88	00:00	28,83	39,25'	10,1	55	1976	"	"	"	"	"	"	"	"
21	12/478	"	00:57	23,72	16,06	9,8	60,7	2007	"	"	"	"	"	"	MACEDO	
21	12/479	"	01:15	21,80	08,84	10,1	74,8	2077	"	"	"	"	"	"	"	
"	"	"	01:45	22,50	10° 54,20	10,9	98,3	1795	1594-1969	"	"	.38	"	"	"	
"	"	"	02:20	23,28	36,78	10,0	94,2	1942	1781-2156	"	"	.13	"	"	"	
"	"	"	02:50	23,83	21,92	10,2	89,9	1820	"	"	"	"	"	"	"	
"	12/480	"	03:20	24,29	07,02	9,8	96,1	1756	1688-2068	"	"	.25	"	"	"	
"	"	"	03:50	24,69	9° 52,25	9,9	88,3	1742	1594-1969	"	"	.38	"	"	"	
"	"	"	04:16	24,66	39,89	10,0	87,7	1678	1219-1594	5	KPKP-B	.38	"	"	Kahn	
"	"	"	04:45	24,54	77,61	9,7	84,1	637	575-730	2	KP	.00	"	"	"	
"	"	"	05:17	24,58	12,89	9,6	87,6	390	458-565	"	"	.15	"	"	"	
"	"	"	06:01	24,58	8° 55,38	9,2	84,1	408	"	"	"	"	"	"	"	
"	"	"	06:38	24,68	40,56	9,9	94,6	642	515-750	2	VP	.00	"	"	"	
"	"	"	06:50	24,88	35,18	9,9	100	535	"	"	"	"	"	"	"	Profilenote, Atka Punkt
"	"	"	13:00	30,77	12,54	13,6	298,2	257	581-656	2	KP	.13	"	"	"	Start
"	"	"	13:30	27,09	15,30	6,1	006	405	"	"	"	"	"	"	Borua	Profilbeginn
"	12/481	"	13:45	26,12	12,29	7,8	49	489	"	"	"	"	"	"	"	Ausschlag nach unten
"	"	"	14:00	24,62	07,63	9,0	46	619	563-939	3	G-P	.25	"	"	"	
"	"	"	14:26	21,87	01,25	8,6	46	1110	1125-1500	2	KP	.00	"	"	"	
"	"	"	15:00	18,43	07° 53,08	8,5	36,1	1516	1500-1871	5	KPKP-P	.00	"	"	"	
"	"	"	15:10	17,41	52,01	8,7	392	1773	"	"	"	"	"	"	"	Profilenote/Profilantanz
"	"	"	15:30	15,32	8° 00,26	10,7	308	1568	"	"	"	"	"	"	"	
"	"	"	15:32	15,18	8° 00,91	10,3	308	1570	1719-1504	5	GPK-P	.38	"	"	"	
"	"	"	15:42	15,35	05,24	10,1	315	1605	1409-1781	5	GPK-P	.13	"	"	"	
"	"	"	16:00	12,77	12,17	10,1	320	1627	"	"	"	"	"	"	"	



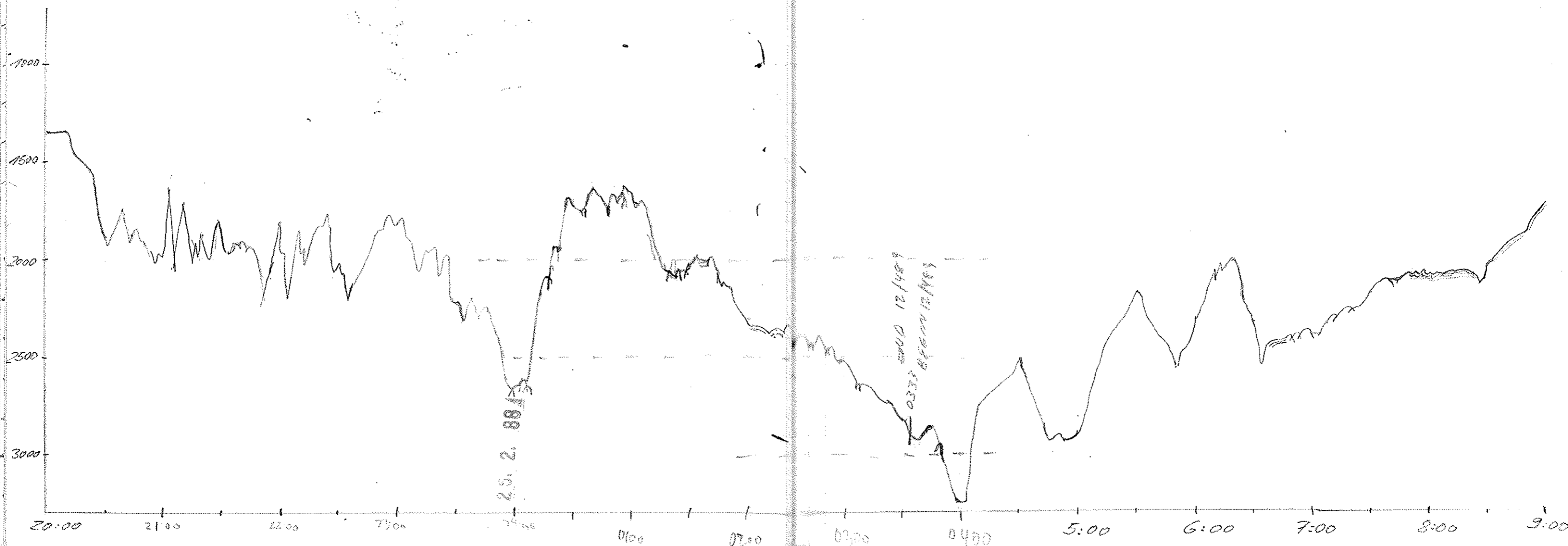
Roll	Profile	Date	Time	Lat	Lon	Speed	Heading	Depth	Depth range	SW	Trigger	Delay	sec/sw	Pulse	W/K	Remarks
21	12/482	23.2.88	16:30	70° 09.22	8° 22.27	10.3	345.1	2200	2063-2438	5	KPKP-	.25	1/2	1.	Nied	
"	"	"	17:13	04.87	38.25	9.4	346.7	2458	250-2625	"	"	.00	"	"	"	
"	"	"	18:00	04.50	44.03	3.3	82.5	2554	"	"	"	"	"	"	"	
"	"	"	18:30	04.78	50.02	8.0	344.4	2425	1969-2344	"	"	.38	"	"	"	
"	"	"	18:57	69° 58.90	59.84	7.3	344.5	2434	"	"	"	"	"	"	"	
"	"	"	19:47	54.04	9° 15.23	7.6	322.8	1774	1688-2063	2	KP	.25	"	"	"	
			20:00	53.06	18.02	7.1	314.7	1550	1218-1584	5	KPKP-D	.32	"	"	Wenfeld	
			20:43	48.03	36.32	8.3	304.3	1820	1500-1975	2	KP	.00	"	"	"	
			21:11	47.27	42.74	5.9	316.5	2262	1750-2625	5	KPKP-	.00	"	"	"	
			22:03	43.47	57.81	6.5	323.0	2487	2438-2813	2	KP	.25	"	"	"	
			22:31	41.14	10° 03.86	6.0	340.0	2638	"	"	"	.25	"	"	"	
	121483		23:07	38.37	11.14	6.8	342.9	2770	1625-3000	"	"	.00	"	"	"	Profile 482 → 483
			23:46	35.09	18.20	6.3	345.3	3101	1918-3081	2	K-P	.28	"	"	"	
21	12/483	24.2.88	00:32	30.85	25.62	6.9	343.5	3774	2000-2325	2	K-P	.00	"	"	"	S. Block 483 (Sage)
"	"	"	01:02	27.97	31.01	7.1	342.2	3826	2563-3937	3	KP	.25	1/2	1	MACEDO	
"	"	"	01:32	24.98	37.75	7.8	336.1	3822	"	"	"	"	"	"	"	
"	"	"	02:01	21.97	44.09	7.4	341.5	3779	"	"	"	"	"	"	"	
"	"	"	02:30	19.03	46.94	8.5	323.1	3859	"	"	"	"	"	"	"	
"	"	"	03:20	13.87	110 00.42	8.5	307.9	4072	1950-4125	"	"	.00	"	"	"	
"	12/484	"	03:55	4.04	04.90	8.8	176.8	4013	"	"	"	"	"	"	"	
"	"	"	04:30	69° 18.18	010° 57.13	8.1	142.7	3929	"	"	"	"	"	"	Drehme	
"	"	"	05:30	69° 21.57	010° 51.91	7.9	135.9	3862	"	"	"	"	"	"	"	



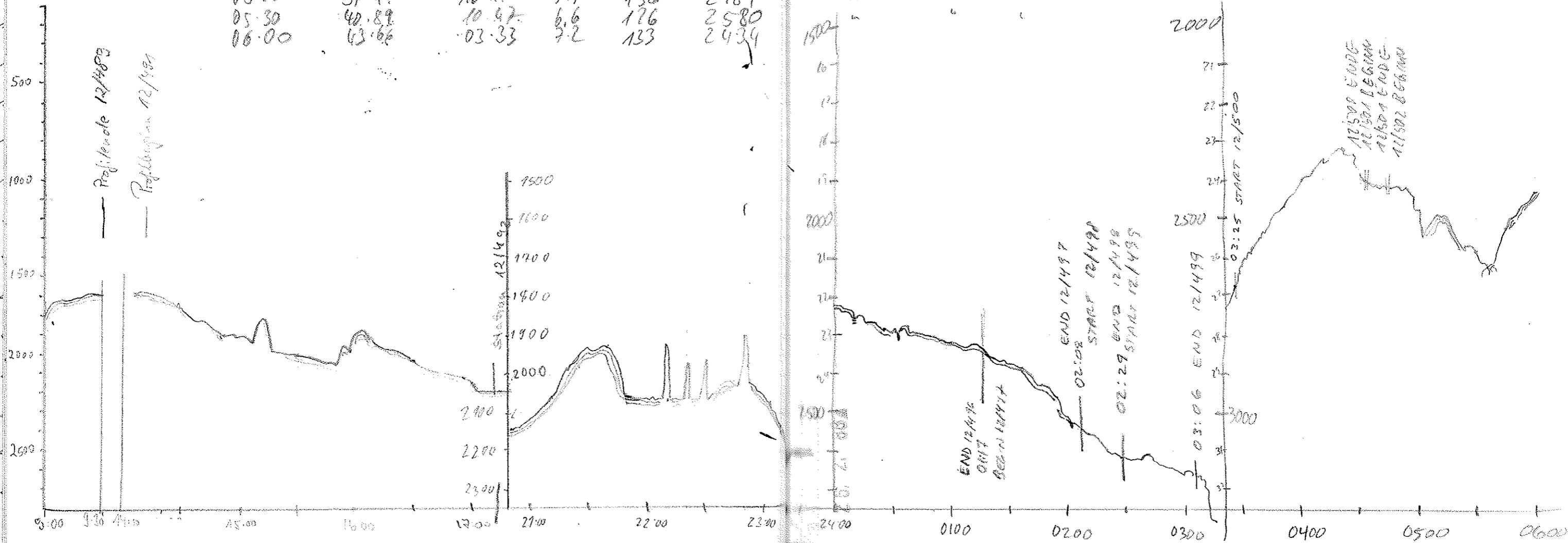
Rolle	Profil	Datum	Zeit	Lat (S)	Lon (W)	Speed	Kurs	Tiefe	Bereich	SW	Triggerfolge	delay	sec/SW	Pulse	Wache	Bemerkungen
21	12/484	24.2.88	05:30	69° 24,62'	010° 45,26'	7,9	134,7	3902,	3750 - 4125	3	KP-	0,00	1/2	1	Brehme	
"	"	"	06:00	69° 27,56'	010° 38,90'	8,0	135,7	3912	" "	"	"	"	"	"	"	
"	"	"	06:30	69° 30,29'	010° 32,43'	7,8	134,8	3928	" "	"	"	"	"	"	"	
"	"	"	07:00	69° 33,45'	010° 25,78'	7,5	141,9	3927	3128 - 3563	2	KP-	0,25	"	"	"	
"	"	"	07:30	69° 36,75'	010° 19,48'	7,7	137,7	3142	3000 - 3375	3	K-P	0,00	"	"	"	
"	12/485	"	07:36	60° 37,53'	010° 18,58"	8,0	125,9	3058	" "	"	"	"	"	"	"	Ende Profil 12/484 Umfang 485
"	"	"	08:00	39,33	12,94	6,3	124	2886	1813 - 2123	5	K-P	,15	"	4	Loffel	
"	"	"	08:47	43,00	00,77	7,5	123	-	2250 - 2625	5	KPKP	,00	"	4	"	
"	X	"	09:41	43,43	9° 50,72	0,9	313	2338	"	"	"	"	"	"	"	Station 12/486
"	12/487	"	12:35	43,66	55,42	4,2	129	2440	"	"	"	"	"	1	Melles	Profil 12/487 Umfang 485
"	"	"	13:00	43,23	49,71	8,6	130,3	2180	1969 - 2344	5	"	,38	"	"	"	
"	"	"	13:30	43,62	39,35	8,8	122,2	1859	1524 - 1969	2	KP-	,38	"	"	"	
"	"	"	14:06	51,75	28,23	8,9	121,2	1770	"	"	"	"	"	"	"	
"	"	"	15:01	56,01	11,75	8,7	127,6	2810	2625 - 3000	2	KP-	,00	"	4	"	
"	"	"	15:38	70° 00,35	00,09	8,6	126,2	1867	1658 - 2063	2	KP-	,25	"	"	"	
"	"	"	16:09	02,75	8° 48,53	8,0	127,8	2195	1875 - 2250	"	"	,00	"	"	Nied	
"	"	"	16:34	04,96	47,67	9,3	126,5	2047	"	"	"	"	"	"	"	
"	"	"	17:06	08,71	29,95	8,6	132,8	2116	1969 - 2344	5	KPKP-	,38	"	"	"	
"	"	"	17:30	10,40	22,60	8,6	124,5	1943	1875 - 2250	"	"	,00	"	"	"	
"	"	"	18:07	13,23	11,44	8,7	125,0	1508	1373 - 1688	"	KPK-P	,38	"	"	"	
"	"	"	18:37	15,83	08,58	8,5	116,4	1396	"	"	"	"	"	"	"	
"	"	"	19:01	18,55	7° 54,06	8,9	128,9	1429	"	"	"	"	"	"	"	Profilende
"	12/488	"	19:30	17,98	8° 0,95	7,2	320,2	1375	"	"	"	"	"	"	"	19:12 Profilbeginn
"	"	"	20:00	15,05	9,43	8,5	337,0	1365	"	"	"	"	"	"	"	
"	"	"	20:27	12,31	16,62	8,3	309,0	1854	"	"	"	"	"	"	"	
22	"	"	20:43	11,39	22,34	8,3	308,2	1789	1534 - 1969	2	KP	,38	"	"	Henfeld	Rolle neu.



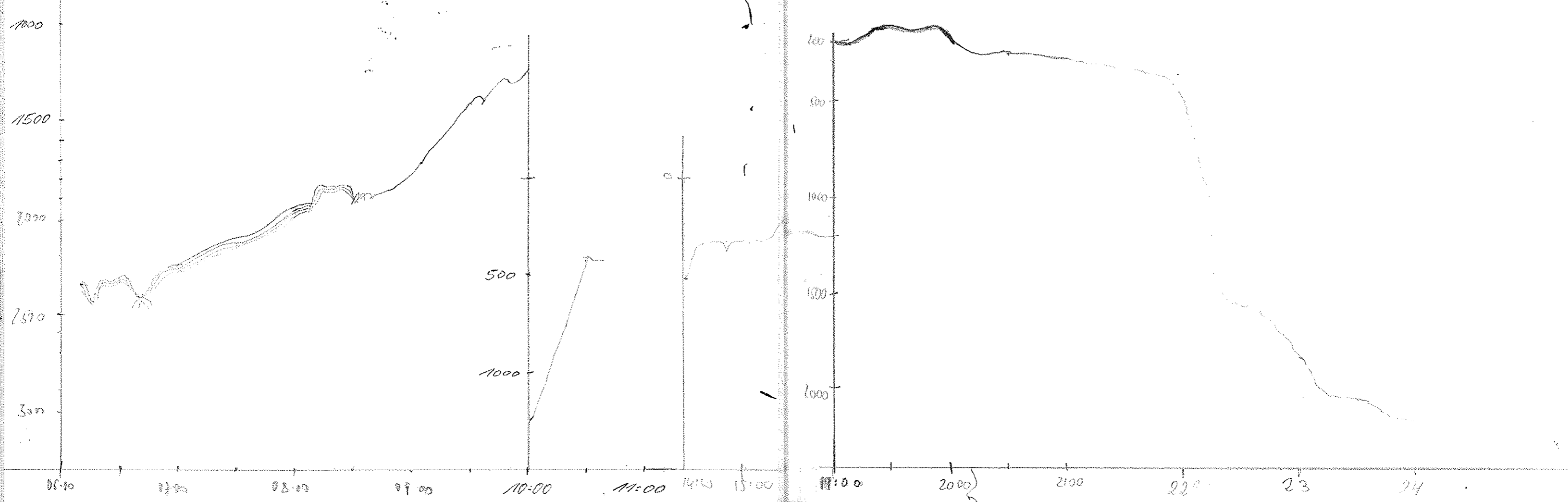
Roll	Profile	Date	Time	Lat (S)	Lon (W)	Speed	Course	Depth	Depth range	SW	Trigger	Delay	Secs SW	Pulse	W/K	Remarks
22	12/488	24. 2. 88	20:43	70° 11. 28	8° 22. 54	8.3	305.2	17 85	1584-1836	2	KP	.38	1/2	1	Hinfield	
			21:02	10. 29	28. 44	7.5	320.5	17 80	"		"	"				
			21:50	06. 23	41. 10	8.3	310.4		1563 - 2344	5	KPKP-					
			22:38	02. 56	54. 20	6.8	318.5	(2116)	"		"					
			22:46	01. 52	52. 00	7.2	300.0	1863	1584-1869	2	KP					
			23:28	69° 59. 53	8° 05. 75	6.9	809.7	2025	1869 - 2344	5	KPKP					
			23:55	57. 63	12. 66	6.9	316.0	(2400)	2344-2318	2	KP					
22	12/488	25. 2. 88	00:30	55. 14	20. 43	7.3	310.5	1727	1688-2063	2	KP	.25	1/2	4	MACGDC	
"	"	"	01:00	52. 60	30. 70	6.8	317.3	1654	1000-1781	5	KPKP-P	.00	"	"	"	
"	"	"	01:30	50. 21	38. 91	7.0	319.2	2012	1781-2156	2	KP	.13	"	"	"	
"	"	"	02:03	47. 92	47. 39	7.8	322.6	2334	2063-2438	5	KPKP	.25	1	"	"	
"	"	"	02:30	45. 72	54. 70	8.0	317.0	2311	"	"	"	"	"	"	"	
"	"	"	03:01	42. 86	100 03. 99	8.1	316.9	2515	2344-2719	2	KP	.38	"	"	"	
"	"	"	03:30	40. 61	12. 04	8.5	309.9	2815	2625-3000	"	"	.00	"	"	"	
"	12/489	"	4:03	43. 85	15. 21	9.2	191.5	3240	2906-3287	3	K-P	.13	"	"	Nied	
"	"	"	4:32	48. 18	17. 82	8.7	188.0	2523	"	2	KP	.25	"	"	"	
"	"	"	5:07	52. 47	20. 37	8.3	185.2	2891	2813-3188	3	K-P	.25	"	"	"	
"	"	"	5:30	56. 44	21. 78	8.4	187.9	2167	2063-2438	5	KPKP-	.25	"	"	"	
"	"	"	6:02	70 01. 33	25. 20	8.5	185.5	2306	"	"	"	"	"	1	"	
"	"	"	6:32	05. 58	27. 11	8.4	184.5	2310	2156-2531	"	"	.13	"	"	"	
"	"	"	7:07	09. 84	29. 57	8.6	185.5	2385	2063-2438	"	"	.25	"	"	"	
"	"	"	7:30	14. 08	31. 48	8.7	184.3	2187	"	"	"	"	"	"	"	
"	"	"	7:57	16. 83	32. 87	9.0	191.9	2076	1781-2156	2	KP	.13	"	"	"	
"	"	"	8:20	21. 05	35. 66	8.3	183.1	2066	"	"	"	"	"	"	Melles	



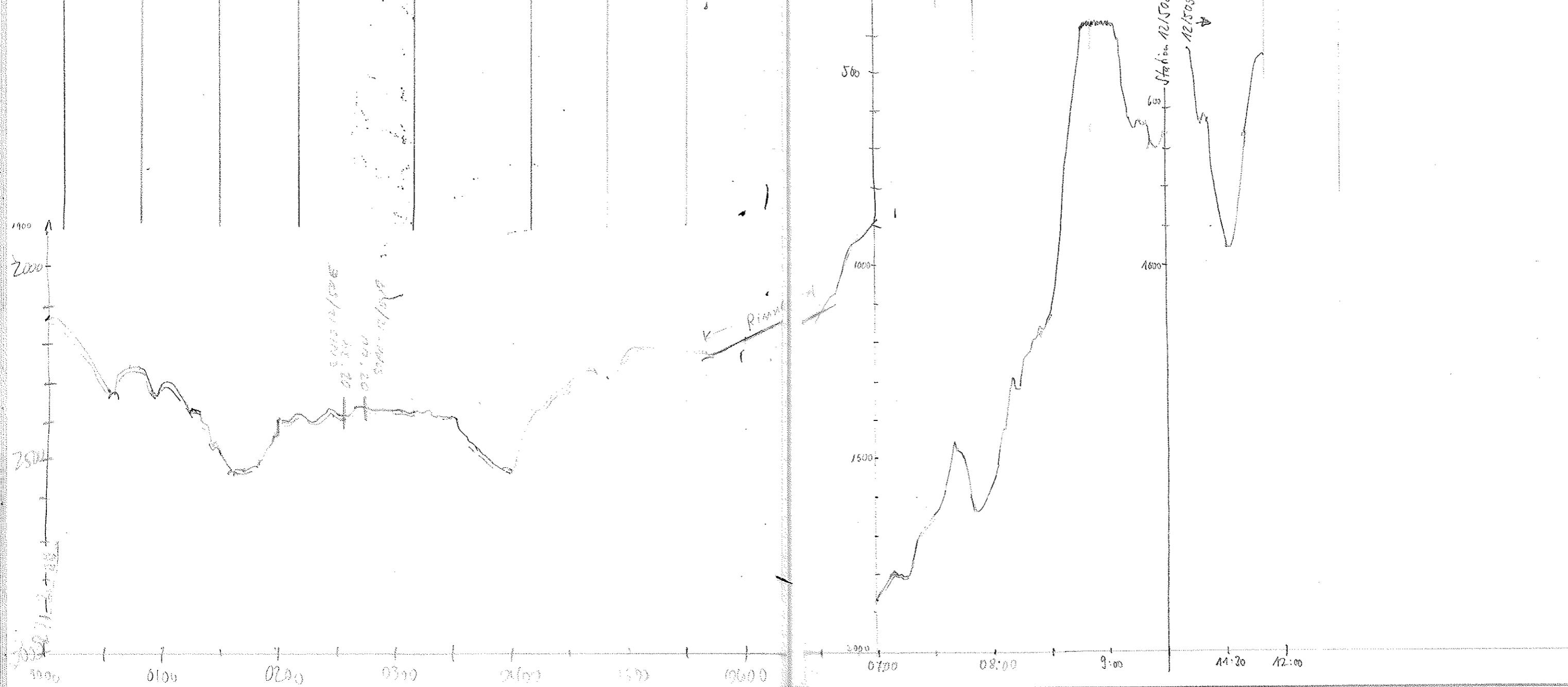
Roll	Profile	Date	Time	Lat (S)	Lon (W)	Speed	Course	Depth	Depth range	SW	Trigger	Delay	Sec/SW	Pulse L.	Protokoll	Remarks
22	12/489	25.2.88	03:08	70° 28.10	10° 39.35	8.7	184.6	1630	406 - 1782A	5	KPK-P	.13	1/2	A	Melles	
"	"	"	9:30	30.35	40.25	1.5	80.1	1598	"	"	"	"	"	"	"	Prof. Ende 9:30
"	12/489	25.2.88	14:06	70° 30.42	10° 40.91	0.7	98.1	1582	"	"	"	"	"	"	Cordes	Prof. begin 14:02
"	"	25.2.88	14:31	28.40	47.51	7.2	307.9	1616	"	"	"	"	"	"	"	
"	"	"	14:49	28.47	52.61	8.1	305	1882	1781 - 2156	2	KP	.13	"	"	Lothar	
"	"	"	16:03	24.32	11° 17.41	7.4	303	1899	"	"	"	"	"	"	"	"
"	"	"	16:30	22.58	26.21	7.5	304.2	2012	"	"	"	"	"	"	Herfeld	
"	"	"	16:58	21.03	35.87	7.5	294.8	2050	1063 - 2438	5	KPKP-	.25	"	"	"	
"	12/481	"	17:11	20.37	39.23	7.7	42.7	2141	"	"	"	"	"	"	"	17:10 Prof. Ende
"	12/493	"	20:49	20.05	41.64	4.1	775	2148	"	"	"	"	"	"	Kuhn	
"	"	"	21:12	22.94	40.23	7.7	169	2067	1781 - 2156	2	KP	.13	"	"	"	
"	12/494	"	21:25	24.71	40.13	8.0	176	1994	"	"	"	"	"	"	"	Prof. Ende 493 / Prof. begin 494
"	"	"	21:50	26.92	48.90	9.3	238	2060	"	"	"	"	"	"	"	
"	12/495	"	22:11	28.87	56.87	9.2	244	2107	"	"	"	"	"	"	"	
"	12/496	"	22:47	31.75	12° 12.21	9.2	249	2005	"	"	"	"	"	"	"	
"	"	"	23:10	31.47	22.11	8.9	297	2140	1969 - 2344	5	KPKP-	.38	"	"	"	
"	"	"	23:50	31.88	38.93	8.6	263	2216	"	"	"	"	"	"	"	
22	12/496	25.2.	00:25	32.34	55.37	9.6	273.3	2280	"	"	"	"	"	"	MAEDA	
"	"	"	01:01	32.56	13° 10.78	9.0	274.3	2322	"	"	"	"	"	"	"	
"	12/497	"	01:37	33.25	27.05	8.8	260.6	2379	2250 - 2625	11	"	.00	"	"	"	
"	"	"	02:06	34.06	39.71	8.8	260.6	2545	"	"	"	"	"	"	"	
"	12/498-499	"	02:29	31.61	44.31	6.9	023.3	2613	"	"	"	"	"	"	"	
"	12/499	"	03:03	27.79	39.03	7.8	026.9	2660	2531 - 2906	2	KP-22	.13	"	"	"	
"	12/500	"	03:36	28.29	36.01	8.5	146.6	2572	"	"	"	"	"	"	"	
"	"	"	04:00	31.61	31.09	8.1	142	2436	2344 - 2719	2	KP	.38	"	"	Born	
"	12/501	"	04:30	35.28	29.11	7.6	135	2429	"	"	"	"	"	"	"	
"	12/502	"	04:32	35.65	23.55	7.5	119	2454	"	"	"	"	"	"	"	Prof. Ende / Prof. begin
"	"	"	04:42	36.09	20.55	7.6	142	2421	"	"	"	"	"	"	"	Prof. Ende / Prof. begin
"	"	"	05:00	37.94	16.11	7.7	136	2489	"	"	"	"	"	"	"	
"	"	"	05:30	40.89	10.47	6.6	126	2580	"	"	"	"	"	"	"	
"	"	"	06:00	43.66	03.33	7.2	133	2434	"	"	"	"	"	"	"	



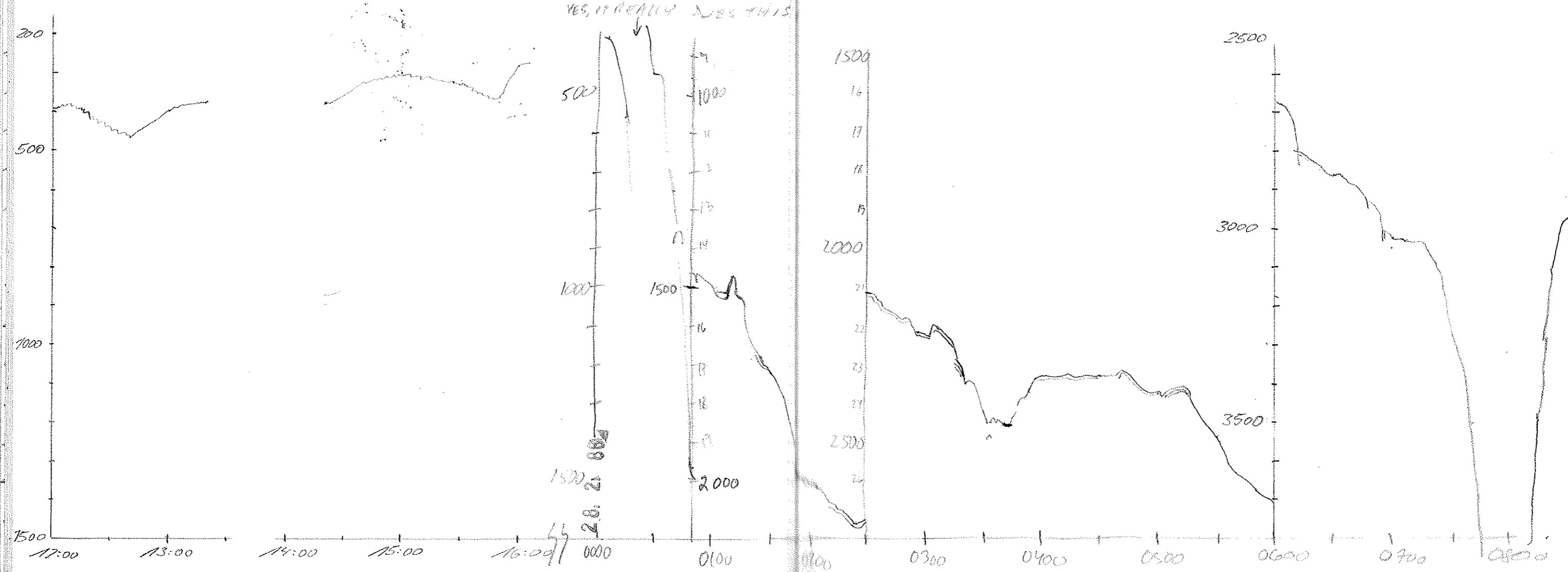
Roll	Profil	Dat.	Zeit	LAT (S)	CON (W)	Speed	Course	Depth	Range	SU	Trigger	Del	sec/sec	Pulse	Leucht	Beachte	177
22	121502	26.2.88	06:10	70° 45.39	13° 00.69	6.8	126	2348	2063 - 2438	5	KPKP	.25	1/2	1	Lotes		
			07:00	49.88	12 48.66	6.4	126	2258	"	"	"	"	"	"	"		
			07:30	52.41	47.08	6.3	129	2107	1781 - 2156	2	4P	.13	"	"	"		
			8:00	55.16	35.65	6.5	133	1979	"	"	"	"	"	"	"		
"	"	"	8:30	58.00	30.62	6.9	141	1907	"	"	"	"	"	"	"	Nied	
"	"	"	9:08	71° 07.39	12 21.96	6.9	125	1727	1406 - 1781	5	KPK-P	"	"	"	"		
"	"	"	9:29	03.44	17.00	7.3	134	1474	1031 - 1406	2	KP	"	"	"	"		
"	"	"	9:57	05.59	10.58	7.2	143	1246	938 - 1313	2	"	.25	"	"	"		
			10:43	08.41	09.75	1.0	76	580	375 - 750	2	"	.25	"	"	"		10:20 Profbeginn Stand by, Station 17/503
			11:21	71° 08.13	12 60	4.0	135	504	"	"	"	.00	"	"	Handred		
	121503		11:35	08.81	12.88	3.6	202.3	403	128 - 563	"	"	.25	"	"	"		
			15:18	13.65	26.17	3.7	186.8	252	34 - 465	"	"	.28	"	"	"		
			15:45	19.55	25.46	8.4	157.2	256	"	"	"	"	"	"	"		
22		26.2.88	16:22	71 19.75	12 23.83	0.6	092	182	"	"	"	"	"	"	"	Lohw	
22		"	19:04	21.61	24.28	6.0	033	190	"	"	"	"	"	"	"	"	19:06 Profilbeginn
"	121505	"	19:55	16.40	15.34	7.3	032	186	"	"	"	"	"	"	"	"	
			20:30	12.30	9.87	5.8	52.0	266	"	"	"	"	"	"	"	Schleier	
			21:00	10.83	07.60	5.7	39.4	290	"	"	"	"	"	"	"	"	
	121506		21:25	08.77	12 00.62	6.1	2.6	344	"	"	"	"	"	"	"	"	21:25 Profende / Anlauf
			22:00	04.77	09.91	8.7	32.8	1277	1031 - 1406	5	"	.13	"	"	"		
			22:30	01.47	19.04	9.2	335.6	1648	1500 - 1875	"	"	.00	"	"	"		
			23:00	70 58.56	25.33	8.2	335.8	1217	1781 - 2156	2	KP	.13	"	"	"		
			23:30	54.35	33.50	8.1	331.3	2006	"	"	"	"	"	"	"		
			00:00	51.49	40.48	8.3	323.0	2135	2063 - 2438	5	KPKP	.25	"	"	"		



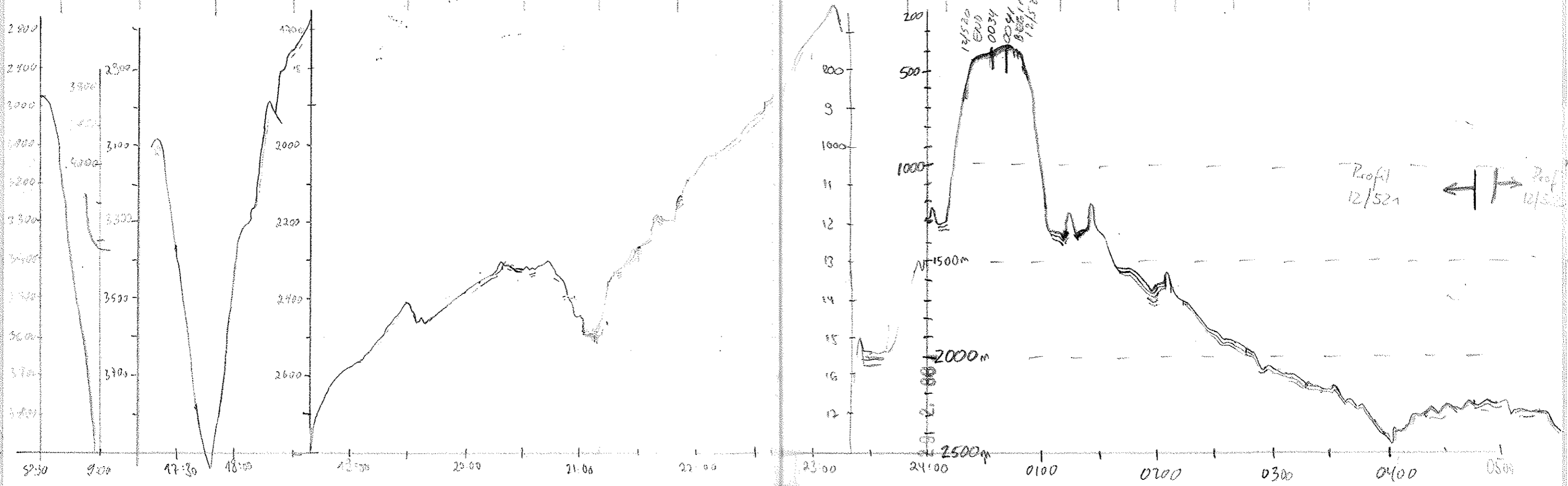
Roll	Profile	Date	Time	Lat (S)	Lon (W)	Speed m	Course	Depth	Range	Triggers	Delay	S/SW	Pulse	ST	Remarks
22	12/506	27. 2	0032	70° 48.21	120 48.88	8.1	326.6	2327	2250-2625	5	KPKP	0.00	1/2	MACRO	
"	"	"	0100	45.12	56.15	8.8	329.4	2318	2156-2531	"	"	-13	"	"	
"	"	"	0130	47.06	130 02.95	8.4	330.2	2494	2344-2719	2	KP	.38	"	"	
"	"	"	0200	38.89	09.99	8.5	328.9	2416	2156-2531	5	KPKP	.13	"	"	
"	"	"	0228	3603	16.18	8.1	330.1	2386	"	"	"	"	"	"	
"	12/507	"	03:00	35.90	12.88	06.0	132.8	2372	"	"	"	"	"	"	
"	"	"	03:30	38.53	06.77	05.9	131.3	2397	"	"	"	"	"	"	
"	"	"	03:59	41.20	00.68	06.1	135.3	2532	2344-2919	2	KP	.38	"	"	
"	"	"	04:30	70° 43, 90'	012° 55, 54'	5, 5	132, 2	2298	2156 - 2531	5	KP KP	0, 13	"	"	Brahme
"	"	"	05:00	46, 36'	49, 86'	5, 7	132, 4	2219	" "	"	"	"	"	"	"
"	"	"	05:32	48, 90'	43, 95'	5, 7	126, 0	2256	" "	"	"	"	"	"	"
"	"	"	06:00	50, 82'	38, 91'	6, 1	126, 5	2211	" "	"	"	"	"	"	"
"	"	"	06:30	53, 35'	32, 61'	6, 3	134, 5	2123	1969 - 2344	5	KPKP	0, 38	"	"	"
"	"	"	07:00	50, 95'	26, 20'	4, 5	141, 7	1870	1781 - 2156	2	KP	0, 13	"	"	"
"	"	"	07:30	59, 32'	19, 68'	4, 8	143, 8	1636	1594 - 1969	"	"	0, 38	"	"	"
"	"	"	07:59	71° 02, 18'	11, 94'	8, 3	141, 7	1568	1406 - 1121	5	KPK-P	0, 13	"	"	"
"	12/507	"	8:30	05, 60	05, 07	8, 8	129, 0	1137	750 - 1125	3	K-P	0, 00	"	"	Cordes
"	"	"	9:00	08, 29	01, 09	8, 9	279, 8	379	94 - 469	2	KP	0, 38	"	"	"
"	"	"	9:30	07, 64	12° 10, 15	0, 0	296, 2	635	375 - 750	2	KP	0, 00	"	"	"
23	12/509	"	11:11	08, 56	12, 04	4, 9	443, 0	443	"	"	"	"	"	"	8:52 Profilende
"	"	"	11:30	07, 01	03, 02	11, 8	62, 3	958	750 - 1125	3	K-P	0, 00	"	"	Newe Rolle (Profile) beginnt 12/509



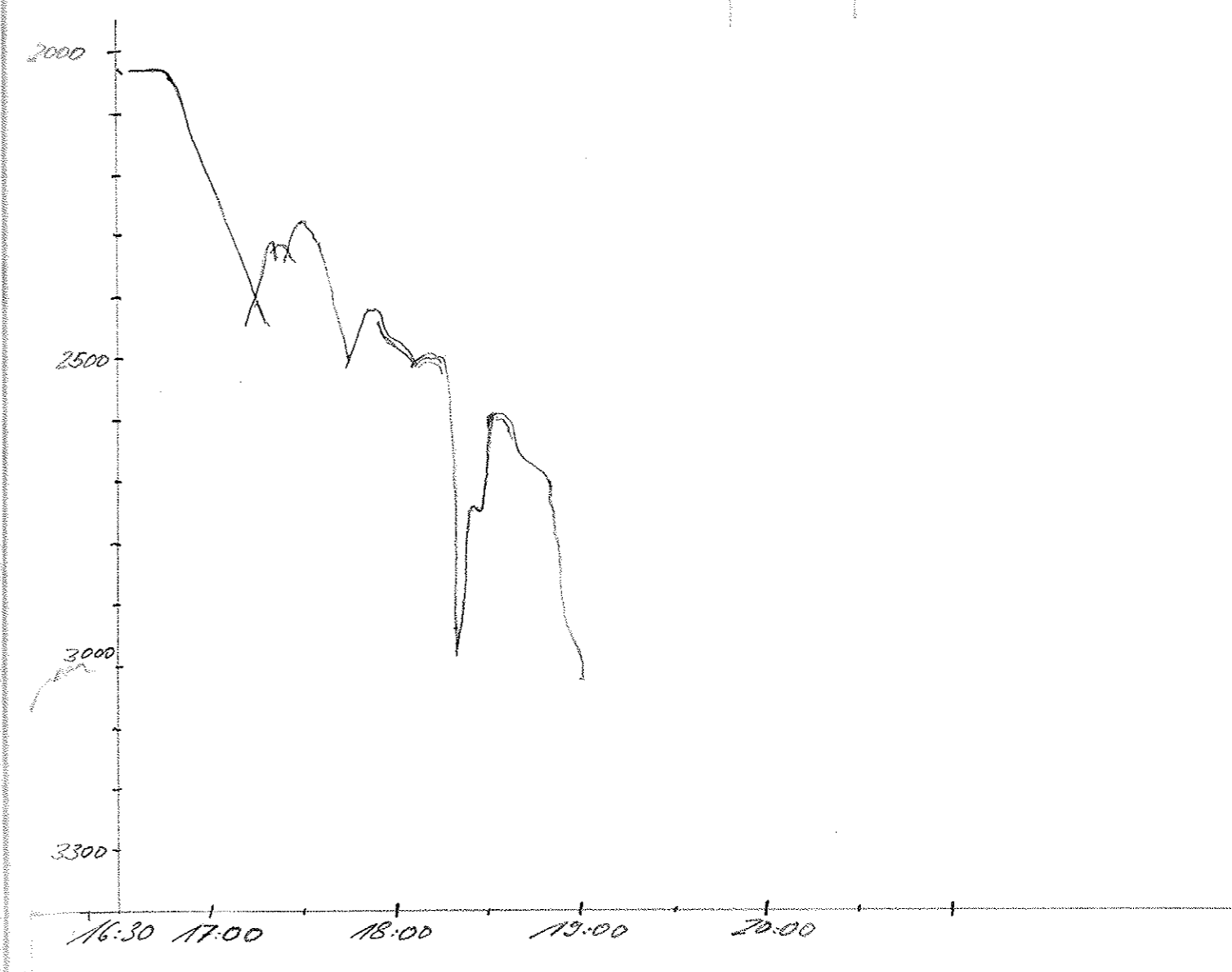
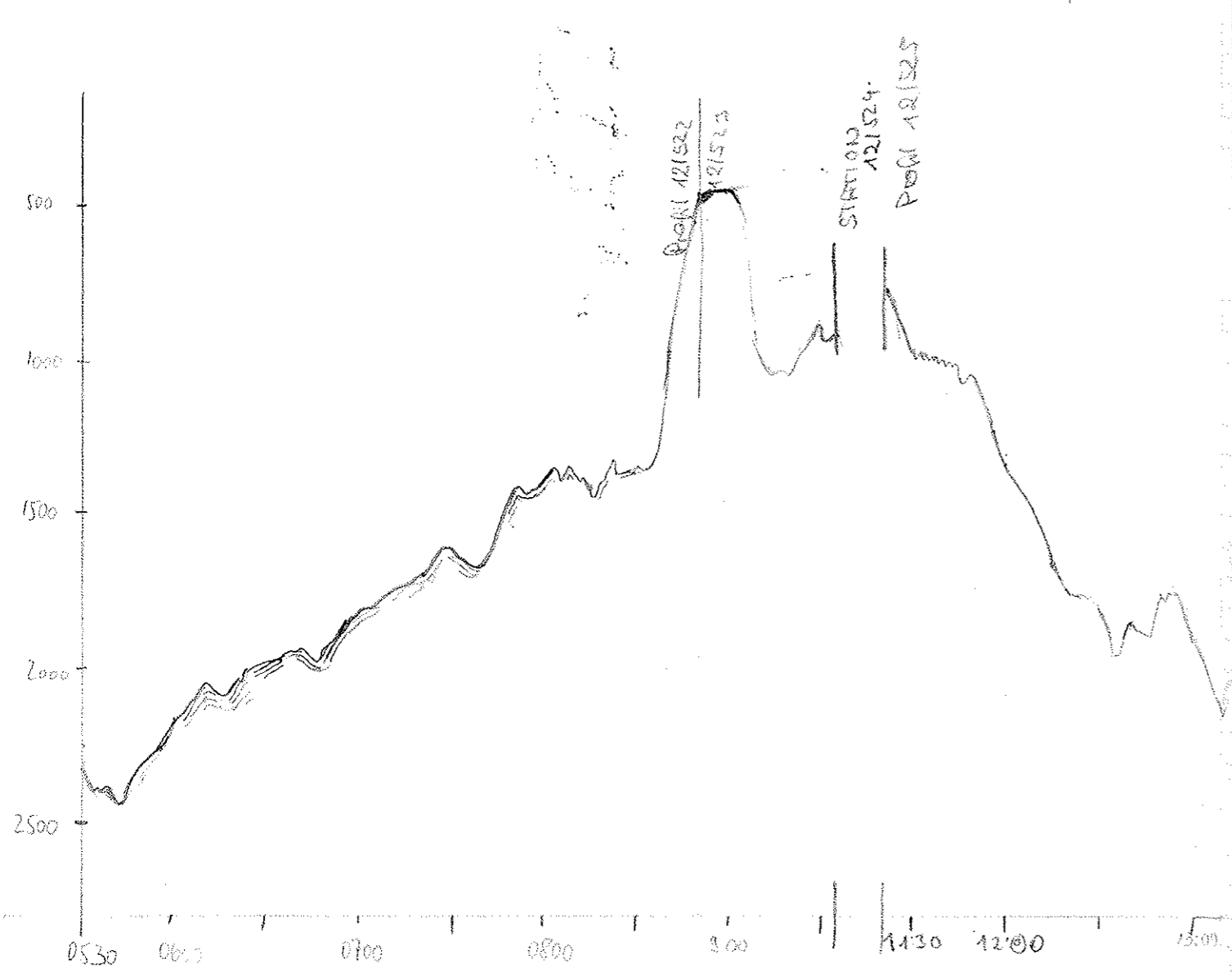
Rolle	Profil-Nr	Datum	Zeit	Lat. S	Long. W	Gebarwind	Richtung	Tiefe	Tiefen Bereich	W	Trigger	delay	%Su.	Pulse	View	Bemerkungen
23	12/509	27.2.88	12:02	71° 04.50	110° 47.79	11.6	69.3	397	188-563	2	KP	.25	1/2	1.	Nied	
23	"	27.2.88	12:40	00.97	27.39	12.0	66.3	430	"	"	"	"	"	"	"	
"	"	"	13:01	70° 58.93	116.74	11.6	74.8	402	"	"	"	"	"	"	"	
"	"	"	13:48	58.35	111.76	1.0	111.8	372	"	"	"	"	"	"	"	Profilende, Standby
"	12/511	"	14:23	58.47	111.78	1.0	46.8	377	"	"	"	"	"	"	"	Beginn
"	"	"	15:00	54.39	110° 57.88	11.9	54.6	302	"	"	"	"	"	"	"	
"	"	"	15:32	50.37	43.43	12.0	54.7	328	"	"	"	"	"	"	"	
"	"	"	15:57	48.77	34.68	1.6	88.3	273	"	"	"	"	"	"	"	Profilende, Standby
23	12/513	28.2.88	00:07	71° 07.64	110° 56.15	7.8	318.1	401	375-450	2	KP	.00	1/2	1.	Macro	
"	"	"	00:30	04.23	120° 03.46	12.1	329.0	447	"	"	"	"	"	"	"	
"	"	"	01:00	00.60	120° 12.87	10.5	328.1	1475	1313-1688	5	KPK-P	.25	"	"	"	
"	"	"	01:31	70° 56.57	22.14	9.6	335.8	1779	1574-1969	2	KP	.38	"	"	"	
"	"	"	02:03	52.78	30.26	9.7	346.3	2013	1969-2344	5	KPKP	.38	"	"	"	
"	"	"	02:33	48.88	39.33	9.8	325.9	2102	"	"	"	"	"	"	"	
"	"	"	03:00	45.52	47.41	9.9	327.1	2226	"	"	"	"	"	"	"	
"	"	"	03:55	38.44	130° 03.09	9.4	328.1	2369	2250-2675	"	"	.00	"	"	"	4:23 Profilende
"	12/514	"	4:30	34.42	13.27	9.0	326.7	2329	"	"	"	"	"	"	Nied.	4:53 Profilende
"	12/515	"	5:00	31.69	22.09	8.6	259.7	2385	"	"	"	"	"	"	"	
"	"	"	5:30	32.60	36.87	9.2	263.5	2502	"	"	"	"	"	"	"	
"	"	"	5:57	33.09	45.98	7.9	266.2	2636	2537-2906	2	KP	.13	"	"	"	
"	"	"	6:33	33.65	140° 02.37	7.8	257.0	2860	2843-3188	3	K-P	.25	"	"	"	
"	"	"	7:07	34.37	13.49	8.4	237.0	3026	"	"	"	"	"	"	"	7:27 Profilende
"	12/516	"	7:29	34.69	22.47	2.2	199.8	3487	3094-3469	2	KP	.38	"	"	"	8:21 Profilende
"	12/517	"	8:21	41.04	26.87	7.8	222.3	3150	2813-3188	3	K-P	.25	"	4	Kochen	
"	12/518	"	8:32	40.85	30.29	6.6	12.6	2974	"	"	"	"	"	"	"	



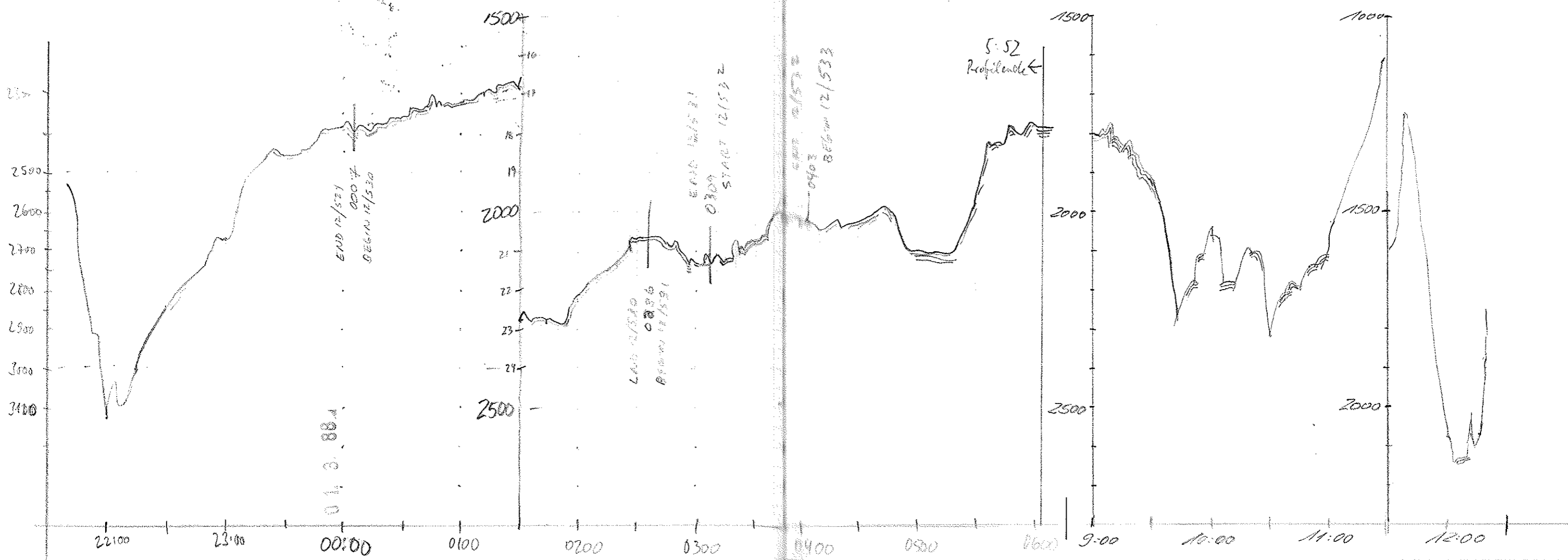
Rolle	Profil-Nr.	Datum	Zeit	Lat. S	Lon W	Geschwindigkeit kn	Richtung	Tiefe	Tiefenbereich	SW	Trigger	Delay	S/SW	Pulse	Profil	Bemerkungen
23	12/518	28.2.88	8:58	70° 37.79	14° 27.53	6.5	19.5	4227	5938-4313	2	KP	.25	1/2	4	Kabin	Profilende
"	12/519	28.2.88	17:16	70° 40.25	14° 30.80	1.0	193.8	3081	3000-2775	7	K-P	0.00	"	"	Cordes	Ablauf in Dredgestation
"	"	"	17:30	40.13	27.06	9.2	77.5	3373	"	"	"	"	"	"	"	17.21 Profilbeginn 12/519
"	"	"	18:01	33.07	13.51	9.8	74.9	3659	2463-3844	3	KP-	.38	"	"	Melles	
"	"	"	18:37	37.84	13° 55.82	9.9	76.3	2784	2713-3034	3	K-P-	.38	"	"	"	
"	"	"	19:06	36.76	41.97	9.8	81.4	2583	2344-2719	2	KP-	.38	"	"	"	
"	"	"	19:38	35.32	26.72	9.8	75.8	2487	"	"	"	"	"	"	"	
"	"	"	20:07	35.03	13.10	10.0	78.0	2357	2063-2438	5	KPAP-	.25	"	1	Herfeld	
"	12/520	"	20:18	34.86	07.87	8.7	143.2	2336	"	"	"	"	"	"	"	20.12 Auftragsaufg 12/520
"	"	"	20:52	29.17	12° 57.65	8.8	140.8	2387	2344-2719	2	KP	.38	"	"	"	
"	"	"	21:13	42.13	52.63	9.9	134.3	2360	2063-2438	5	KPAP-	.25	"	"	"	
"	"	"	21:54	47.17	39.25	9.8	128.4	2092	1781-2156	2	KP	.13	"	"	"	
"	"	"	22:30	51.69	29.96	9.9	134.7	1984	"	"	"	"	"	"	"	
"	"	"	22:50	54.19	23.19	10.0	135.6	1791	1500-1875	5	KPAP-	.00	"	"	"	
"	"	"	23:13	59.09	16.47	9.9	125.4	1603	1571	"	"	"	"	"	"	
"	"	"	23:26	58.81	12.12	9.9	145.0	1522	1213-1688	"	"	.25	"	"	"	
"	"	"	23:57	71° 02.26	12° 03.53	8.5	124.9	1308	838-1313	2	KP	.25	"	"	"	
23	12/520	29.2.88	00:30	06.61	11° 54.49	9.6	136.8	423	375-750	2	KP	.00	1/2	1	MACEDO	
"	12/521	"	01:00	04.09	56.58	9.9	326.6	1205	844-1217	2	KP	.38	"	"	"	
"	"	"	01:30	00.21	12° 05.72	9.7	328.0	1385	1031-1406	2	KP	.13	"	"	"	
"	"	"	02:00	70° 56.74	14.65	9.8	326.7	1625	1406-1781	5	KPAP-	"	"	"	"	
"	"	"	02:40	51.19	26.40	9.8	326.4	1975	1981-2156	2	KP	"	"	"	"	
"	"	"	03:06	47.93	33.98	9.8	326.7	2072	"	"	"	"	"	"	"	
"	"	"	03:34	44.27	43.35	9.8	339.2	2185	2063-2438	5	KPAP-	.25	"	"	"	
"	"	"	04:45	35.33	13° 02.97	9.3	329	2260	"	"	.25	"	"	"	Zotlar	Profilende
"	12/522	"	04:55	34.98	13° 00.00	8.6	146	2236	"	"	"	"	"	"	"	Profilbeginn
"	12/522	"	05:30	38.99	12° 48.89	9.8	149	2364	"	"	"	"	"	"	"	



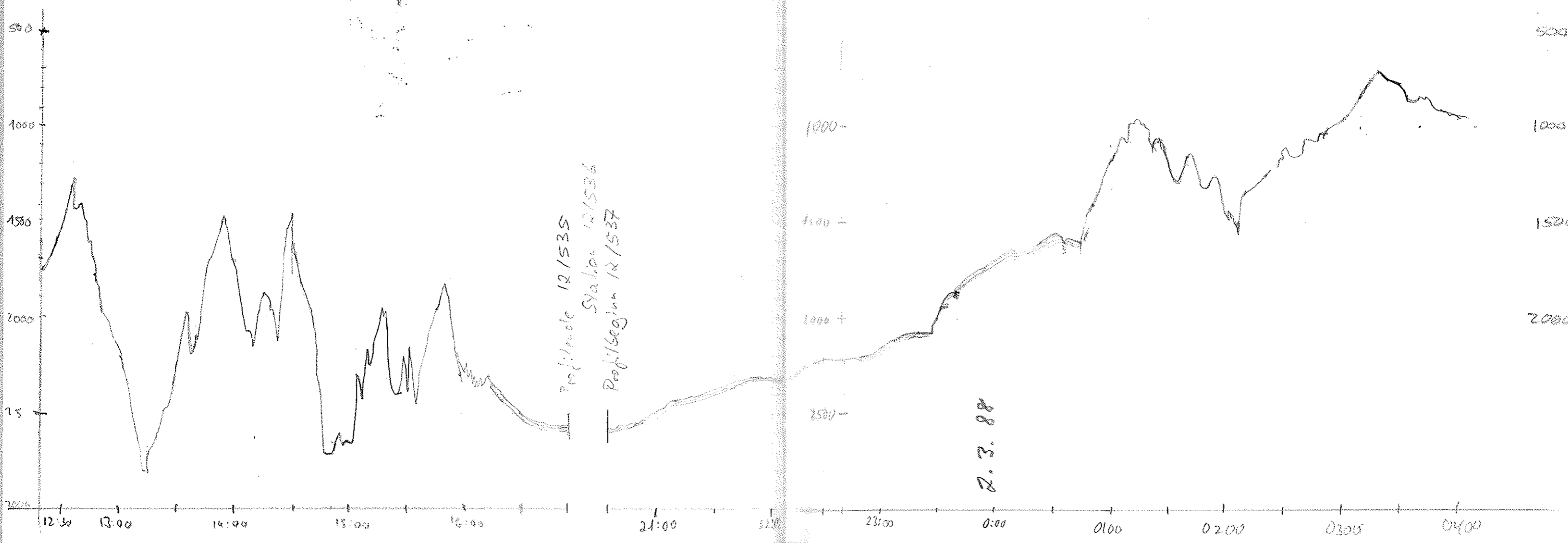
Roll	Profile	Date	Time	Latitude	Longitude	Speed	Course	Depth	Range	Sw	Trigger	delay	S/SW	Pulse	JH	Remarks
23	121522	29.2.88	06:10	70° 44.56	12° 38.58	9.8	143	2140	2063 - 2438	5	KPKP-	.25	.72	1	Loflow	
"	"	"	06:35	48.00	30.96	9.8	153	1981	1688 - 2063	2	KP	"	"	"	"	
"	"	"	07:27	54.42	15.33	9.9	179	1617	1313 - 1688	5	KPKP-	"	"	"	"	
"	"	"	07:47	56.85	09.69	9.7	186	1537	1219 - 1594	"	"	.38	"	"	"	
"	"	"	8:39	71° 03.45	11° 55.57	9.8	124	1119	844 - 1219	2	KP	.38	"	"	Henfield	
"	121523	"	8:49	04.57	54.89	9.6	129.7	444	84 - 469	2	KP	.38	"	"	"	Profile start 121523
"	"	"	9:10	06.36	58.29	9.8	635	635	463 - 844	3	K-P	"	"	"	"	
"	"	"	8:35	07.58	12° 09.67	5.2	259.4	966	656 - 1051	3	K-D	.13	"	"	"	Profile 121523
"	"	"	11:20	07.55	15.06	7.4	310.1	766	"	"	"	"	"	"	"	Profile begin 121525 11.16
"	"	"	11:45	05.27	23.46	9.7	308.8	1051	830 - 1313	2	K.P	.25	"	"	"	
"	"	"	12:00	41° 03.82	012° 29.64	9.8	304.2	1327	1125 - 1500	2	K.P	.00	"	"	Brehme	
"	"	"	12:40	41° 00.18	012° 46.31	9.9	309.9	1327	1188 - 2063	2	K.P	.25	"	"	"	
"	"	"	13:00	30° 38.35	012° 54.65	9.6	308.7	1845	"	"	"	"	"	"	"	
"	"	"	13:30	55.62	13° 04.18	7.6	309.3	2013	"	"	"	"	"	"	"	Profile end
"	121527	"	16:47	55.97	13° 11.93	8.7	293.9	2039	1781 - 2156	"	"	.73	"	"	Nied	
"	"	"	17:32	52.37	31.70	9.7	304.6	2277	"	"	"	"	"	"	"	
"	"	"	18:04	49.95	45.96	9.5	298.0	2500	2250 - 2625	5	KPKP-	.00	"	"	"	
"	"	"	18:29	48.23	57.10	8.6	305.7	2598	2344 - 2719	2	KP	.38	"	"	"	18:30 Profile end
"	"	"	19:00	45.32	14° 02.42	5.5	7.3	3028	2719 - 3094	3	K-P	"	"	"	"	
"	"	"	19:44	46.02	02 51	1.8	156.6	3072	"	"	"	"	"	"	"	Stand by, Dredge



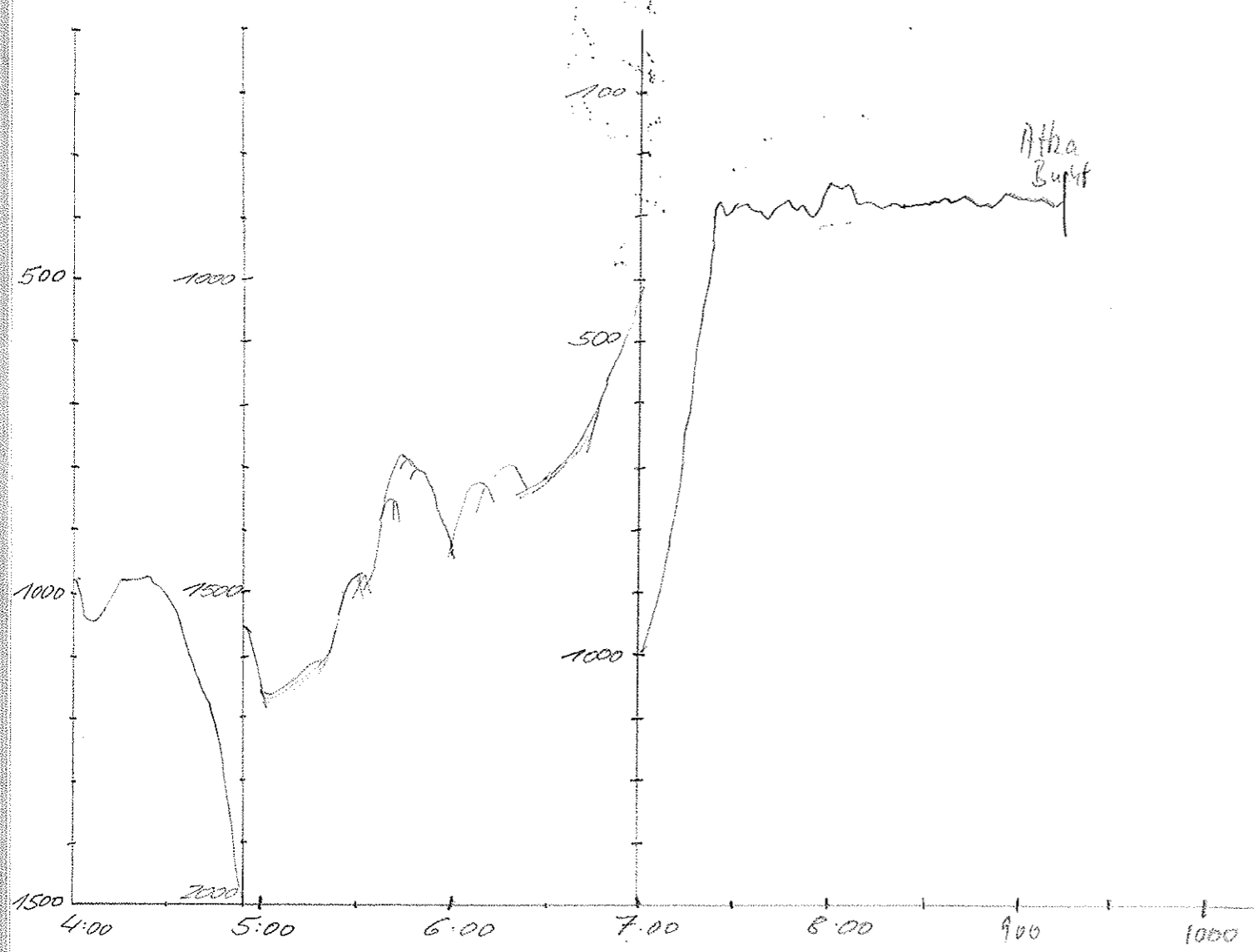
Rolle	Profil	Datum	Zeit	Lat.	Long.	Wochentag	Höhe	Tiefe	Tiefenbereich	Stk	Trigger	Wolke	Wind	Reloc	Wache	Bemerkung
23	12/529	29.02	21:38	70° 47.75	14° 00.12	1.9	43.6	2583	2250 - 2625	5	KPKP-	0.00	1/2	1	Fritz	21.38 Profilbeginn 12/529 Schreiber klappt nicht weiter Ebenengitter zw. 21:58 u. 22:45
"	"	"	22:00	45.58	13° 54.71	9.1	36.7	3124	3000 - 3375	3	K-P	"	"	"	"	
"	"	"	22:30	42.19	46.51	9.0	38.4	2845	2625 - 3000	2	KP	"	"	"	"	
"	"	"	23:00	38.66	37.20	9.4	41.9	2670	"	"	"	"	"	"	"	
"	"	"	23:30	35.61	29.40	9.0	41.8	2454	2250 - 2625	5	KPKP-	"	"	"	"	
"	"	01.3.88	0:00	22.39	20.36	9.0	39.2	2385	"	"	"	"	"	"	"	
"	12/530	"	00:32	31.39	09.69	9.3	84.3	2351	"	"	"	"	"	"	Macedo	
"	"	"	01:02	31.00	12° 54.53	9.0	82.0	2309	"	"	"	"	"	"	"	
"	"	"	01:32	30.59	41.98	9.4	82.0	2259	2063 - 2438	"	"	.25	"	"	"	
"	"	"	02:01	30.42	29.18	9.5	84.1	2212	"	"	"	"	"	"	"	
"	"	"	02:30	30.04	15.90	9.5	83.5	2092	1969 - 2344	"	"	.38	"	"	"	
"	12/531	"	03:01	28.54	03.42	9.2	65.3	2130	"	"	"	"	"	"	"	
"	12/532	"	03:38	25.61	11° 48.91	9.1	53.7	2005	"	"	"	"	"	"	"	
"	"	"	04:02	23.65	40.22	8.9	55.3	2040	1781 - 2156	2	KP-	.13	"	"	Lofas	
"	12/533	"	04:31	22.39	28.68	8.9	74.5	2061	"	"	"	"	"	"	"	
"	"	"	05:25	20.34	06.65	8.9	070	2089	"	"	"	"	"	"	"	
"	"	"	05:45	19.65	10° 58.54	6.5	068	1789	1594 - 1969	2	KP	.38	"	"	"	
"	"	"	05:53	19.43	57.18	3.8	037	1719	"	"	"	"	"	"	"	
24	12/535	"	9:00	19.48	59.27	3.1	68.2	1807	"	"	"	"	"	"	Nied	
"	"	"	9:37	17.74	47.08	11.3	74.5	1922	1875 - 2250	"	"	.00	"	"	"	
"	"	"	10:07	15.81	30.35	12.7	69.2	2047	"	"	"	"	"	"	"	
"	"	"	10:30	12.33	16.43	12.8	31.4	2314	2156 - 2531	"	"	.13	"	"	"	
"	"	"	11:02	11.48	9° 57.58	12.9	79.7	2036	1969 - 2344	5	KPKP-	.38	"	"	"	
"	"	"	11:26	09.80	43.21	12.8	68.3	1721	1406 - 1781	5	KPKP-P	"	"	"	"	
"	"	"	11:58	07.22	24.23	13.2	63.9	2063	1969 - 2344	5	KPKP-	"	"	"	"	
"	"	"	12:17	05.48	11.47	13.2	68.6	1857	1534 - 1969	2	KP	"	"	"	Hunfeld	



ROLLE	PROFIL	DATUM	ZEIT	LAT	LOK	SPEED	KURS	TIEFE	BREITEN	SW	TRIGGER	DELA	S/SW	PULSE	PROTOKOLL	BETRIEBSKURVEN	
24	121535	1.3.88	12.27	-70° 04.64	9° 05.16	13.3	69.4	1587	1313-1688	5	KPK-P	.25	1/2	1	Henkefeld	<p>Papiertransport falsch</p> <p>Prof:ende 16:55 Prof:beginn 20:25</p>	
			12.58	02.11	8° 45.88	13.4	69.0	2267	2063-2438	5	KPKP-	.25					
			13.40	-69° 58.08	8° 20.13	13.4	68.3	2144	1875-2250	2	KP	.00					
			14.15	55.74	7° 58.23	13.3	62.1	1874	1500-1875	5	KPK-P	..		4			
			14.55	52.60	7° 35.51	13.2	69.9	2672	2344-2213	2	KP	.38		1			
			15.28	48.87	7° 14.81	13.7	67.4	2345	"	-	-	"					
			15.45	48.62	7° 04.85	12.6	69.2	1841	1594-1869	2	VP	"					
"	"	"	16:15	46.40	6° 47.69	13.5	73.1	2872	2344-2713	2	KP	.38	"	4			Melles
"	"	"	16:47	44.38	32.20	4.7	62.7	2565	"	"	"	"	"	1			"
"	"	"	16:59	44.02	30.84	0.7	49.4	2581	"	"	"	"	"	"			"
"	12/537	"	20:35	45.30	28.01	4.1	213.0	2584	"	"	"	"	"	"			"
"	"	"	20:54	47.08	32.73	7.6	220.2	2540	"	"	"	"	"	"			"
"	"	"	21:30	49.96	40.09	5.7	220.1	2415	"	"	"	"	"	"			Brahme
"	"	"	22:00	52.11	45.82	4.9	218.0	2311	2156-2531	5	KPKP	.13	"	"			"
"	"	"	22:30	54.01	49.42	4.5	220.7	2222	"	"	"	"	"	"			Cordes
"	"	"	22:56	55.68	54.01	4.5	204.2	2166	1969-2344	5	KPKP-	.38	"	"	Kuhner		
"	"	"	23:28	57.75	56.73	4.5	193.9	2030	"	"	"	"	"	"	"		
"	"	"	23:40	58.61	57.71	4.5	194.3	1863	1594-1969	2	KP	.38	"	"	"		
"	"	"	23:55	59.70	58.88	4.2	193.9	1740	"	"	"	"	"	"	"		
"	"	2.3.88	00:30	S70° 02.04	W7° 02.91	4.4	206.3	1619	1406-1781	5	KPK-P	.13	"	"	Macedo		
"	"	"	01:03	04.10	06.64	4.5	211.5	1182	1219-1594	"	"	.38	"	"	"		
"	"	"	01:11	04.62	07.68	4.6	211.4	1099	938-1313	2	KP	.25	"	"	"		
"	"	"	01:40	06.24	12.02	4.5	213.8	1182	"	"	"	"	"	"	"		
"	"	"	02:01	07.55	15.56	4.7	215.9	1184	1219-1594	5	KPK-P	.38	"	"	"		
"	"	"	02:38	10.12	19.53	4.2	203.8	1173	1031-1406	2	KP	.13	"	"	"		
"	"	"	03:03	11.68	22.25	4.4	204.1	974	844-1213	2	KP	.38	"	"	"		
"	"	"	03:31	14.04	27.10	4.4	200.5	806	563-938	3	KP	.25	"	"	"		



Roll	Profile	Date	Time	Lat,	Lon	Speed	Heading	Depth	Depth-Range	Sw.	Trigger	Delay	S/Sw.	Pulse	WK	Remarks	191
24	12/537	23.88	4:17	70° 17.66	7° 32.32	4.5	209.7	988	150-1125	3	K-P	.00	1/2	1.	Med	Schreibriemen gewechselt	
"	"	"	4:42	19.36	36.11	4.2	213.8	1189	131-1406	2	KP	.13	"	"	"		
"	"	"	4:57	20.46	39.05	2.9	204.9	1557	1312-1688	5	KPK-P	.35	"	"	"		
"	"	"	5:35	22.60	42.89	2.4	190.8	1461	1219-1594	"	"	.38	"	"	"		
"	"	"	6:02	24.09	45.53	2.6	189.7	1435	"	"	"	"	"	"	"		
"	"	"	6:32	25.22	49.45	1.6	175.1	1337	"	"	"	"	"	"	"	6.42 Profikende	
"	"	"	7:05	26.29	57.43	7.6	175.9	943	136-1037	3	K-P	.13	"	"	"		
"	"	"	7:29	28.94	50.60	6.3	146.7	285	94-469	2	KP	.38	"	.5	"		
"	"	"	8:20	33.23	49.27	4.1	174	275	"	"	"	"	"	"	Lothar		
"	"	"	9:07	34.00	50.02	4.3	229	274	"	"	"	"	"	"	"	Atka Bucht	



6

#16



ANT VI/3

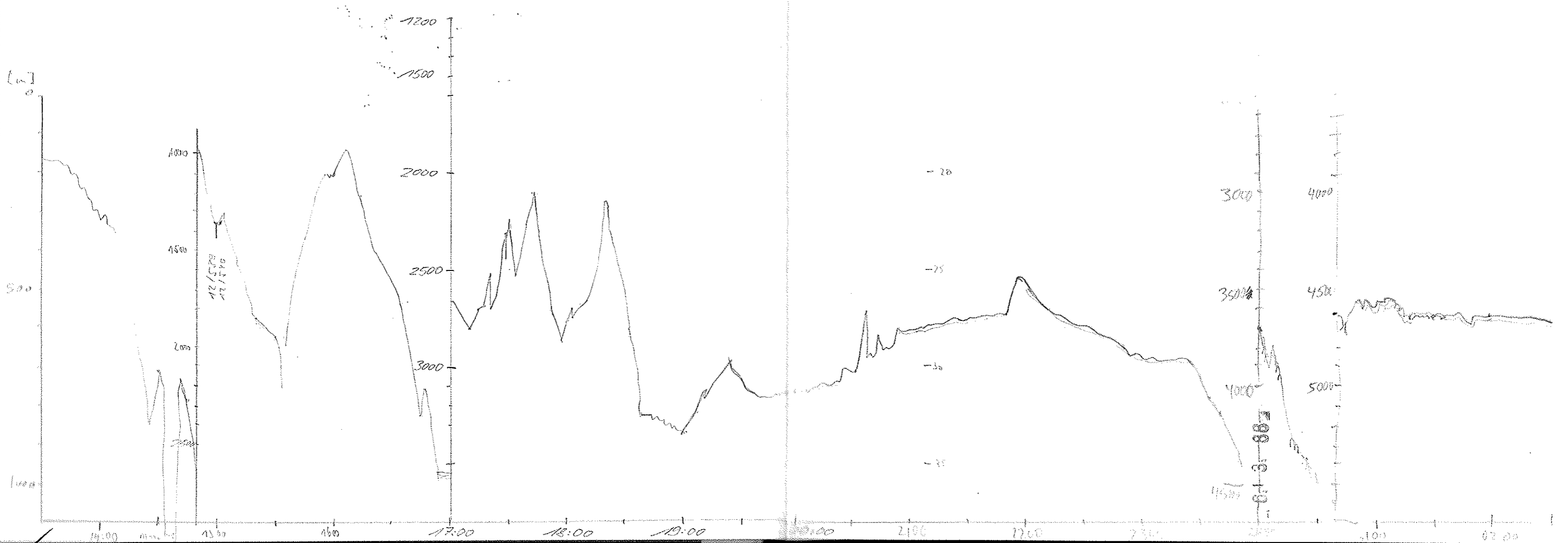
3,5 kHz

von : 5.3.88

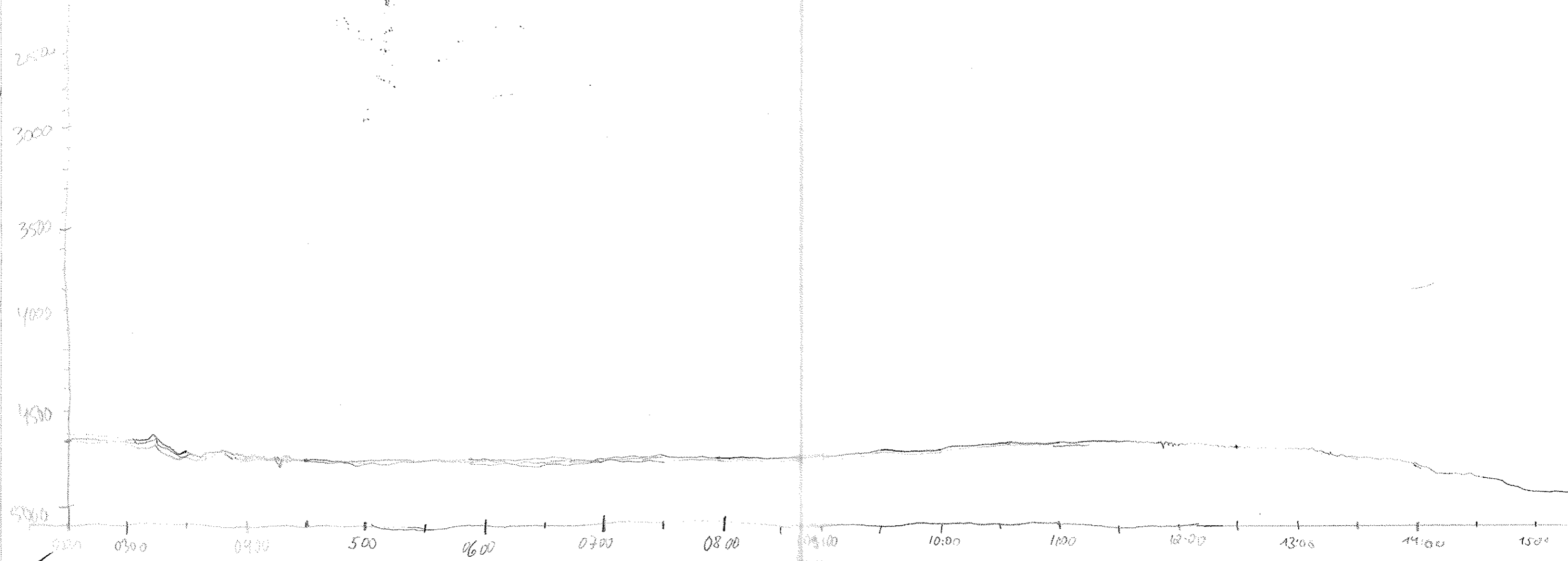
bis : 14.3.88

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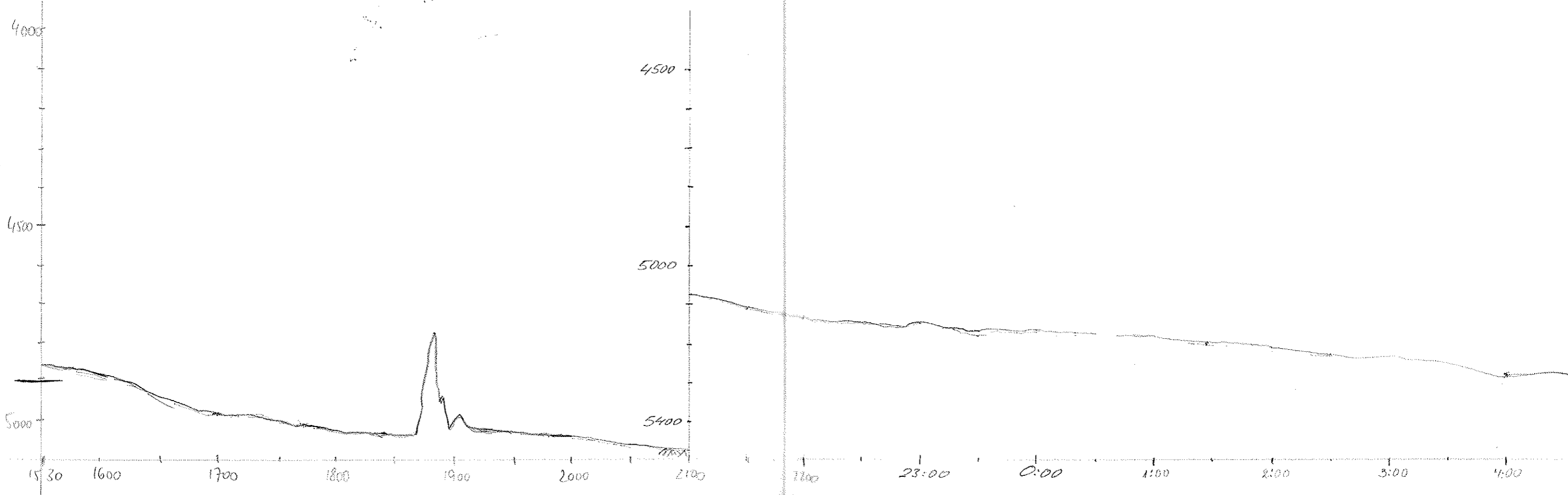
Roll	Profile	Date	Time	Lat S	Lon W	Speed	Heading	Depth	Depth Range	Sw	Trigger	Delay	S/Sw	Pulse	WK	Remarks
24	12/539	05 03 88	13:56	20° 29.70	8° 03.25	12.9	0.4	267	94-469	2	KP-	.38	1	1	Hellas	Profile/Begin 12:56 Profile end 15:02 Begin 15:02 12/540
"	"	"	14:30	22.31	01.79	13.5	13.9	720	375-750	2	KP-	0.00	"	"	Cordes	
"	"	"	15:00	16.17	7° 59.68	13.3	22.9	1323	1125-1500	2	KP-	0.00	"	"	"	
"	12/540	"	15:30	11.04	58.73	13.3	27.1	1969	1875-2250	2	KP-	0.00	"	"	"	
"	"	"	16:00	05.40	50.92	13.3	30.4	1116	1031-1406	2	KP-	0.13	"	"	"	
"	"	"	16:32	03° 58.94	7° 41.87	13.2	28.0	1866	1594-1869	2	KP	.38	"	"	Mied	
"	"	"	17:42	50.46	33.22	13.3	27.3	2789	2438-2813	"	"	.25	"	"	"	
"	"	"	17:37	46.66	27.95	13.7	29.0	2500	"	"	"	"	"	"	"	
"	"	"	17:57	40.92	25.19	13.6	25.1	2846	2719-3094	3	K-P	.38	"	"	"	
"	"	"	18:33	34.12	16.03	13.4	32.3	2836	2531-2906	2	KP	.13	"	"	"	
"	"	"	19:07	27.50	07.78	13.4	24.4	3234	3094-3469	2	"	.38	"	"	"	
"	"	"	19:36	24.25	01.36	13.4	20.7	3136	2813-3188	3	K-P	.25	"	"	"	
"	"	"	20:00	16.86	6° 56.88	13.4	22.2	3121	"	"	"	"	"	"	"	
"	"	"	21:00	04.42	45.59	13.7	030	2821	2625-3000	2	KP	.00	"	"	Lohes	
"	"	"	21:57	68° 53.29	32.09	13.4	020	2586	2344-2719	2	KP	.38	"	"	"	
"	"	"	22:55	40.87	20.46	13.6	023	2950	2813-3188	3	K-P	.25	"	"	"	
"	12/541	"	22:22	35.20	13.88	13.5	040	2949	"	"	"	"	"	"	Profilewechsel	
"	"	6. 3. 88	00:05	26.61	03.99	13.4	23.9	3841	3750-4125	3	KP-	.00	"	"	Mied	
"	"	"	00:36	20.99	00.20	13.6	28.2	4486	4175-4400	2	KP-	.00	"	"	"	
"	"	"	01:10	13.25	50 49.69	13.8	27.4	4596	4500-4895	7	KP-K-P	"	"	"	"	
"	"	"	01:38	08.08	43.53	13.3	27.4	4671	"	"	"	"	"	"	"	
"	"	"	02:00	03.42	37.69	13.1	026.4	4635	"	"	"	"	"	"	"	
"	"	"	02:32	67° 57.29	30.92	13.2	025.3	4662	"	"	"	"	"	"	"	



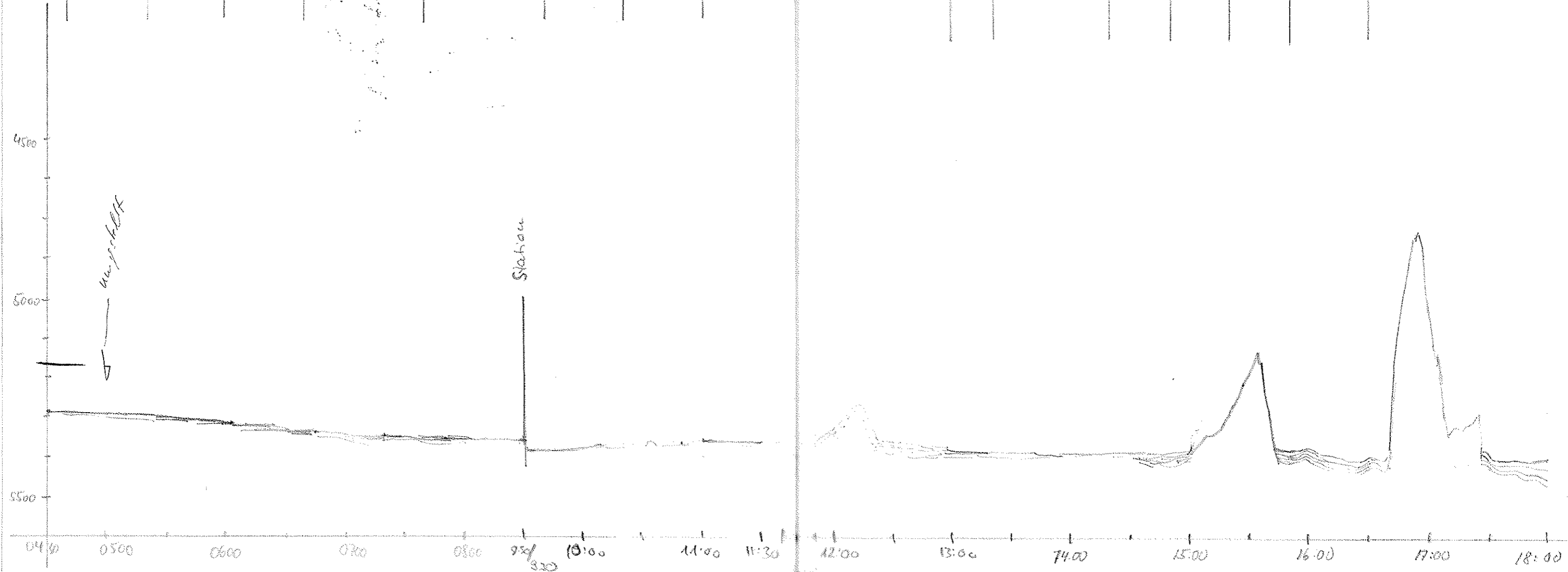
Roll	Profile	Date	Time	Lat S	Lon W	Speed	Course	Depth	RANGE	SW	TRIGGER	Delay	S/SW	P.L.	JH	REMARKS
24	12/541	6.3.88	0303	56° 51.12	W 5° 24.41	12.8	28.6	4669	4500-48.5	7	HP-R-P		1	1	MAKED	
"	"	"	0331	67° 45.86	W 5° 18.28	12.6	28.1	4700		"	"		"	"	"	
"	"	"	0428	67° 35.08	W 5° 16.20	12.4	28.1	4762		"	"		"	"	"	Break
"	"	"	0509	67° 27.44	W 5° 0.26	12.2	34.0	4773		"	"		"	"	"	
"	"	"	0605	67° 17.37	4° 48.21	12.1	33.6	4770		"	"		"	"	"	
"	"	"	0627	67° 13.40	4° 43.22	11.8	34.4	4775		"	"		"	"	"	
"	"	"	0658	67° 07.54	4° 37.13	11.8	34.0	4776		"	"		"	"	"	
"	"	"	0728	67° 02.40	4° 29.94	11.7	31.2	4755		"	"		"	"	"	
"	"	"	08:00	66° 56.75	4° 23.97	11.7	32.6	4750		"	"		"	"	"	Melles
"	"	"	08:35	50.37	17.45	12.2	34.3	4740		"	"		"	"	"	
"	"	"	09:00	45.98	12.43	11.8	32.2	4732		"	"		"	"	"	
"	"	"	09:30	41.15	06.01	5.7	131.0	4715		"	"		"	"	"	
"	"	"	10:00	41.45	03.34	9.3	16.4	4718		"	"		"	"	"	
"	"	"	10:38	34.39	3° 58.27	11.4	21.3	4690		"	"		"	"	"	
"	"	"	11:00	30.31	54.69	11.4	20.2	4687		"	"		"	"	"	
"	"	"	11:30	25.23	50.54	12.1	23.2	4683		"	"		"	"	"	
"	"	"	11:55	20.24	45.34	11.5	24.5	4678		"	"		"	"	"	
"	"	"	12:37	12.94	37.18	12.1	26.3	4707		"	"		"	"	"	Non-fod
"	"	"	13:16	08.85	31.51	12.3	29.6	4760		"	"		"	"	"	
"	"	"	14:10	65° 56.38	21.77	12.5	30.2	4852	4781-5.150	2	MP	0.13	1	1	"	
"	"	"	14:45	50.25	14.10	12.0	30.4	4876	"	"	"		"	"	"	
24	12/541	6.3.88	15:17	44.67	08.11	12.2	27.2	4861	"	"	"		"	"	"	Lotha



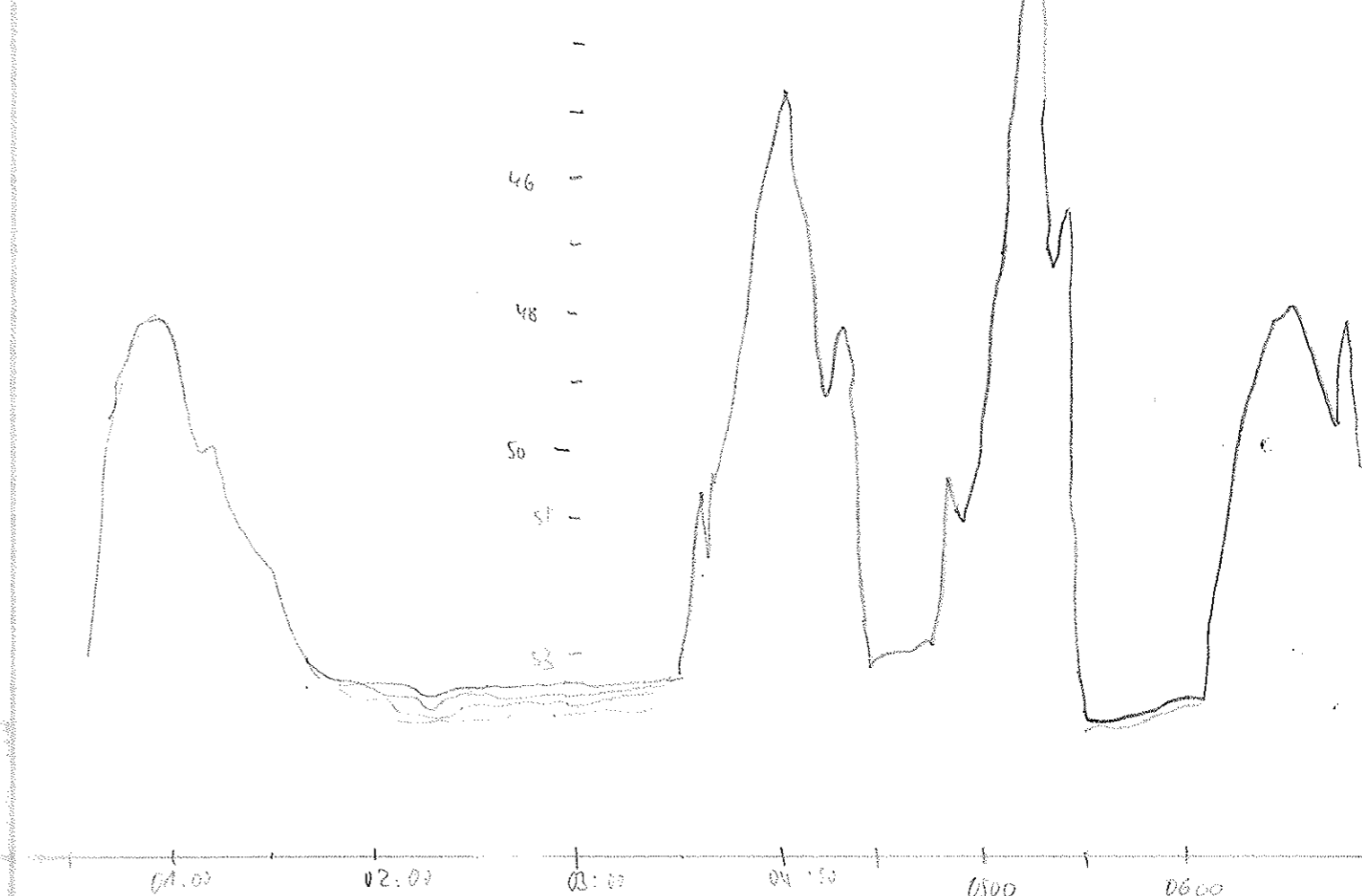
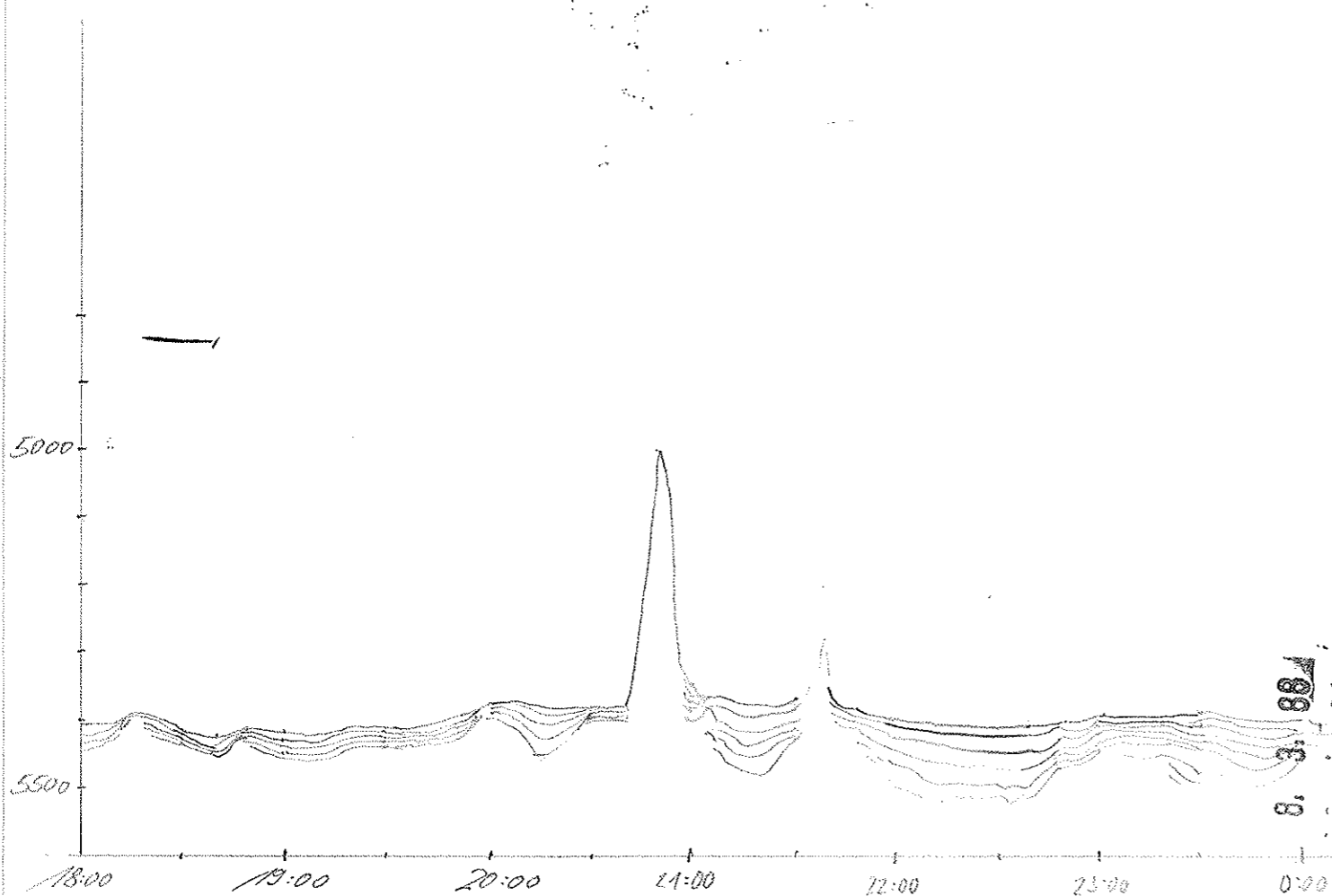
Rolle	Profil	Date	Time	Lat S	Lon W	Speed	Course	Tiefe	Range	SW	Trigges	Delay	sec/sw	P.L.	Knecht	Bauzug	07
24	12/541	6.3.88	15:30	65° 42.12	3° 05.53	11.9	028	4861	4781 - 5158	2	KP-	0.13	1	1	Lohas		
"	"	"	16:00	" 37.03	00.16	12.0	029	4897	"	"	"	"	"	"	"	OPUS FOR VL!	
"	"	"	16:50	" 27.60	2° 50.98	12.4	028	4953	"	"	"	"	"	"	"		
"	"	"	17:30	" 20.23	42.76	12.2	028	4989	"	"	"	"	"	"	"		
"	"	"	17:58	65° 15.24	2° 40.92	12.1	20.2	5006	"	"	"	"	"	"	"	Super Schiene	
"	"	"	18:32	" 07.84	36.00	14.0	029	5043	"	"	"	"	"	"	"		
"	"	"	19:11	" 01.80	30.43	9.3	032	5031	"	"	"	"	"	"	"		
"	"	"	19:50	64° 55.47	25.41	11.9	028	5042	"	"	"	"	"	"	"		
"	"	"	20:30	" 48.28	18.70	12.2	28	5058	"	"	"	"	"	"	Nied		
"	"	"	21:00	" 42.23	12.76	12.4	29	5084	"	"	"	"	"	"	"		
"	"	"	21:30	" 36.23	7.55	14.7	25	5109	"	"	"	"	"	"	"		
"	"	"	22:00	" 28.74	2 0.77	15.1	22	5146	4969 - 5344	5	KPK-P	.38	"	"	"		
"	"	"	22:30	" 21.72	1° 54.85	14.8	22	5151	"	"	"	"	"	"	"		
"	"	"	23:00	" 14.32	50.04	14.9	35	5151	"	"	"	"	"	"	"		
"	"	"	23:30	" 07.67	43.77	15.2	30	5172	"	"	"	"	"	"	"		
"	"	7.3.88	0:00	64° 0.56	38.14	15.4	30	5173	"	"	"	"	"	"	"		
"	"	"	0:30	63° 53.87	32.04	15.1	029	5183	"	"	"	"	"	"	Brahme	Papierwechsel	
25	"	"	1:00	" 47.10	25.31	14.9	028	5185	"	"	"	"	"	"	"		
"	"	"	1:30	" 40.12	19.57	15.1	027	5200	"	"	"	"	"	"	"		
"	"	"	2:00	" 33.28	14.16	15.3	027	5223	"	"	"	"	"	"	"		
"	"	"	2:30	" 26.49	09.05	14.2	028	5232	"	"	"	"	"	"	"		
"	"	"	3:00	" 19.74	03.34	14.9	026	5246	"	"	"	"	"	"	"		
"	"	"	3:30	" 12.86	00° 57.54	14.6	025	5254	"	"	"	"	"	"	"		
"	"	"	04:00	" 05.60	52.09	15.0	027	5268	"	"	"	"	"	"	Lohas		



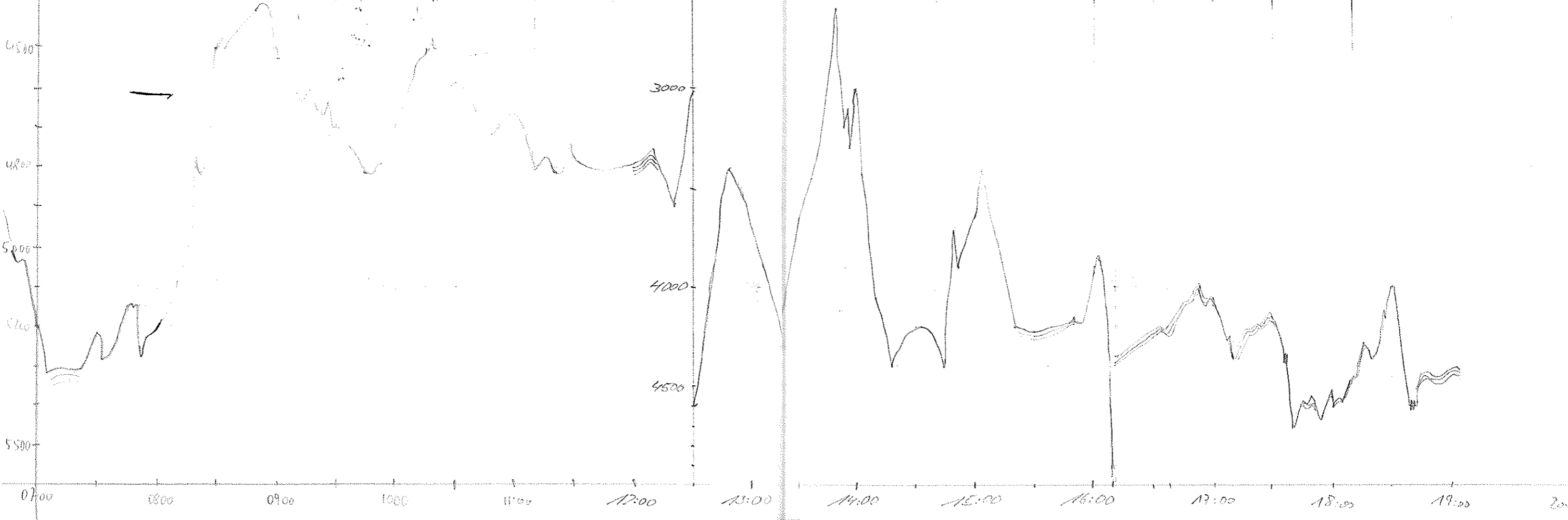
Roller	Profid	Date	Zeit	Lat °S	Lon	Speed	Course	Tiefe	Bereich	Sw	Trigge	Alley	sec/sw	PL	Bege	Bruckg
25	121341	7.3.88	0503	62° 51.27	0° 40.34 W	14.6	027	5292	5063 - 5438	5	KPK-P	.25	1/2	1	Koffler	
"	"	"	0530	44.74	34.35	15.0	018	5303	"	"	"	"	"	"	"	
"	"	"	0600	37.71	29.70	15.0	018	5314	"	"	"	"	"	"	"	
"	"	"	0645	27.63	24.74	14.5	027	5335	"	"	"	"	"	"	"	
"	"	"	0720	19.87	17.90	15.2	029	5346	"	"	"	"	"	"	"	
"	"	"	0800	10.46	12.08	14.7	090	5350	"	"	"	"	"	"	"	
			8:23	05.36	05.66	14.4	041.1	5351	"	"	"	"	"	"	Henfeld	
			8:31	04.45	3.80	8.2	35.2	5353	"	"	"	"	"	"		8:30 Prof. Ende.
	121543		8:32	02.15	5.87 E	8.4	381	5384	"	"	"	"	"	"		8:32 Prof. Beginn
	"		10:15	61° 55.42	5.34	7.5	218	5360	"	"	"	"	"	"		
	"		10:46	51.75	8.72	8.5	6.4	5362	"	"	"	"	"	"		
	"		11:36	45.00	10.26	8.5	15.2	5361	"	"	"	"	"	"		
	"		11:52	41.99	10.84	8.0	14.9	5332	"	"	"	"	"	"		
"	"	"	12:57	33.60	0° 15.50	8.8	17.1	5376	"	"	"	"	"	"	Brud	
"	"	"	14:08	24.08	21.52	8.7	13.1	5387	5156 - 5531	"	"	0.13	"	"	"	
"	"	"	14:40	19.63	23.65	8.1	14.7	5379	"	"	"	"	"	"	"	
"	"	"	15:00	16.50	25.50	8.5	14.5	5373	"	"	"	"	"	"	"	
"	"	"	15:23	13.97	26.37 E	8.7	9.7	5346	4969 - 5344	"	"	.38	"	"	"	Seamound
"	"	"	15:49	10.22	28.67	8.7	9.1	5370	"	"	"	"	"	"	"	
"	"	"	16:00	8.75	29.25	8.3	9.9	5373	5756 - 5537	"	"	.13	"	"	Nied	
"	"	"	16:30	4.66	30.96	7.9	10.2	5472	"	"	"	"	"	"	"	
"	"	"	17:13	60° 58.97	33.48	8.2	8.8	5373	"	"	"	"	"	"	"	
"	"	"	17:30	60° 56.72	0° 33.33	8.2	11.6	5373	5156 - 5537	5	KPK-P	0.13	1/2	1	Sturm	
"	"	"	18:00	52.90	35.40	8.4	13.6	5408	"	"	"	"	"	"	Nied	



Roll	Profile	Date	Time	Lat S	Lon E	Speed	Heading	Depth	Depth Range	SW	Trigger	Delay	sec/sw	PL	WK	Remarks
25	12/543	7.3.88	18:30	60° 48.70'	0° 37.76'	8.3	14.4	5423	5156 - 5531	5	KPK-P	.13	.12	A.	Wied	
"	"	"	19:01	44.29	39.92	8.6	14.7	5444	"	"	"	"	"	"	"	
"	"	"	19:30	40.72	42.07	8.5	18.5	5448	"	"	"	"	"	"	"	
"	"	"	20:00	36.22	44.43	8.7	15.7	5387	"	"	"	"	"	"	"	
"	"	"	20:30	32.02	47.00	8.5	9.0	5401	"	"	"	"	"	"	Kuhre	
"	"	"	21:00	27.82	48.79	8.7	15.2	5381	"	"	"	"	"	"	"	
"	"	"	21:30	23.49	50.96	8.6	13.8	5386	"	"	"	"	"	"	"	
"	"	"	22:00	19.48	52.78	8.7	13.8	5387	"	"	"	"	"	"	"	
"	"	"	22:37	14.25	55.33	8.4	12.4	5408	"	"	"	"	"	"	"	
"	"	"	23:07	9.97	57.36	8.9	12.6	5381	"	"	"	"	"	"	"	
"	"	"	23:31	6.32	59.07	9.0	12.8	5391	"	"	"	"	"	"	"	
"	"	8.3.88	00:00	04.22	01° 01' 25"	8.7	12.7	5396	"	"	"	"	"	"	UWE	
"	"	"	00:50	59° 55.12	01° 04' 54"	8.8	11.9	5105	5002 - 5438	"	"	.25	"	"	"	
"	"	"	01:00	53.80	05.14	8.5	12.0	4952	"	"	"	.38	"	"	"	
"	"	"	01:30	49.79	06.93	8.7	13.9	4855	4594 - 4969	2	KP	.38	"	"	"	
"	"	"	02:00	45.49	08.58	9.2	13.1	5363	5063 - 5438	5	KPK-P	.25	"	"	"	
"	"	"	02:30	41.22	11.09	8.9	10.5	5373	"	"	"	"	"	"	"	
"	"	"	03:30	32.83	14.24	9.2	17.0	5357	"	"	"	"	"	"	"	
"	"	"	04:00	27.90	17.80	9.0	20.5	4743	"	"	"	.38	"	"	"	
"	"	"	04:30	23.86	20.17	8.5	8.0	5300	5156 - 5531	5	KPK-P	.13	"	"	Lolhas	
"	"	"	04:59	19.66	21.41	8.8	12.0	4901	4781 - 5156	2	KP	.13	"	"	"	
"	"	"	05:30	15.07	23.31	9.2	11.0	4712	4688 - 5063	2	KP	.25	"	"	"	
"	"	"	06:00	10.81	24.90	8.8	14.2	5367	5156 - 5531	5	KPK-P	.13	"	"	"	
"	"	"	06:30	06.52	26.81	9.2	14.1	4938	4875 - 5250	2	KP	.00	"	"	"	

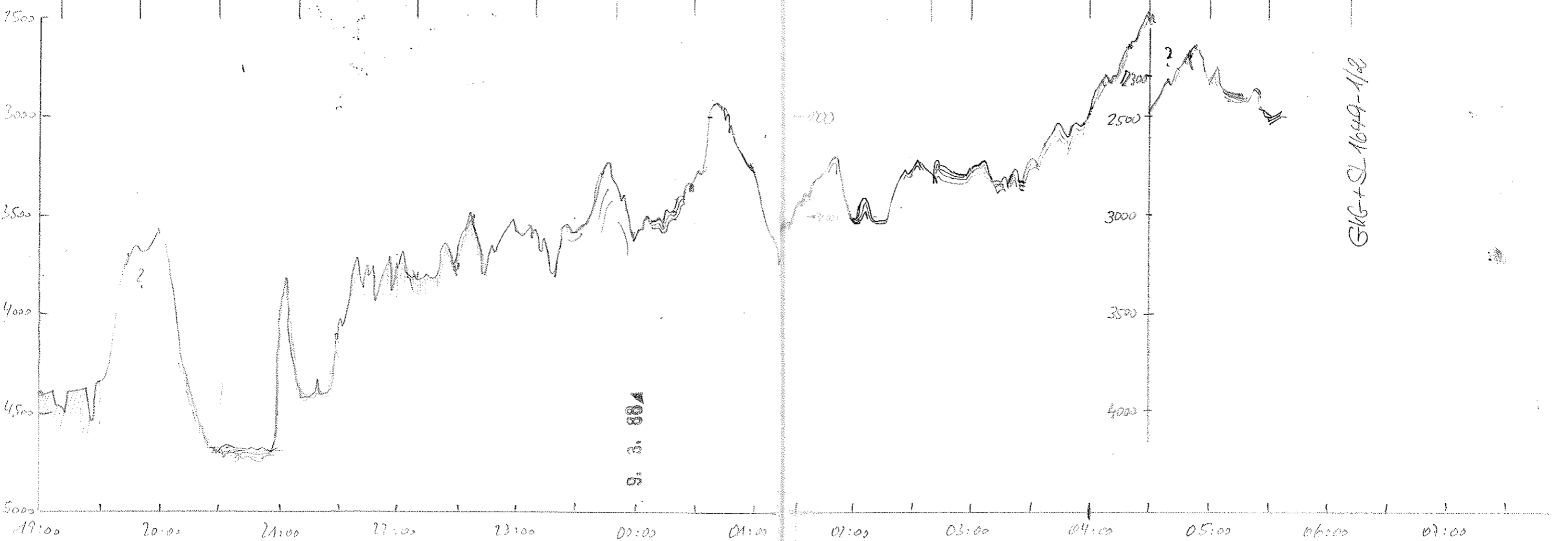


Roller	Profil	Date	Time	Lat S	Lon E	Speed	Course	Depth	Range	Sw	Trigger	Delay	sec/sw	PL	James
25	121543	8.3.88	07:03	59° 01.94	10 24.02	8.9	16.6		5063-5438	5	KPK-P	.25	"	1	Collas
"	"	"	07:30	58° 58.14	10 30.92	8.9	12.4		"	"	"	"	"	4	"
"	"	"	8:01	58° 53.39	10 32.82	3.0	15.7		"	"	"	"	"	"	Herfeld
"	"	"	8:29	48.36	35.28	8.3	14.5	4640	4406-4781	7	KPK-P	.13	"	"	"
"	"	"	8:02	44.65	37.81	8.3	14.8	4532	"	"	"	"	"	"	"
"	"	"	8:43	38.84	38.72	8.6	8.3	4788	4781-5156	2	KP	.13	"	"	"
"	"	"	10:24	32.65	41.89	8.2	13.5		6125-4500	2	KP	.00	"	"	"
"	"	"	11:08	27.37	44.47	8.6	12.4	4672	4406-4781	7	KPK-P	.17	"	"	"
"	"	"	11:59	18.62	48.74	11.4	8.4	4780	4594-4969	2	KP	.38	"	4	"
"	"	"	12:32	13.79	51.03	12.8	15.7	4605	4313-4688	7	KP-K-P-	.25	"	"	Nied
"	"	"	13:06	06.51	53.99	12.4	13.2	3902	3656-4037	3	KP-	.73	"	"	"
"	"	"	13:32	0.22	56.43	12.6	23.0	3628	"	"	"	"	"	"	"
"	"	"	14:03	57° 53.87	59.47	12.8	16.7	3469	3188-3563	2	KP	.25	"	"	"
"	"	"	14:30	48.13	2° 02.32	13.1	17.3	4200	4037-4406	2	KP	.73	"	"	"
"	"	"	15:00	41.56	05.62	13.4	13.4	3640	3469-3844	3	KP	.38	"	"	"
"	"	"	15:30	35.73	07.63	13.2	17.6	4229	4125-4500	2	KP	.00	"	"	"
"	"	"	16:00	28.62	10.63	13.1	15.4	3900	3656-4037	3	KP-	.13	"	"	"
"	"	"	16:30	23.33	13.30	12.9	16.4	4230	4119-4594	7	KP-K-P-	.38	"	"	Stron
"	"	"	16:31	27.36	12.73	12.8	16.6	4213	4031-4406	2	KP	.13	"	"	"
"	"	"	16:50	19.17	15.03	12.5	15.5	4040	3844-4219	2	KP	.38	"	"	"
"	"	"	17:00	17.17	14.87	12.7	18.7	4080	"	2	KP	.38	"	"	"
"	"	"	17:08					4190	4031-4406	2	KP	.13	"	"	"
"	"	"	17:30	11:26	18.49	12.7	19.1	~4650*	"	2	KP	.13	"	"	"
"	"	"	17:43	8.64	19.83	12.7	20.2	4600	4406-4781	7	KP-K-P-	.13	"	"	"
"	"	"	18:00	5.10	21.82	12.9	20.2	5273	"	7	"	.43	"	"	"
"	"	"	18:26	56° 59.82	24.68	12.9	14.3	4117	3844-4219	2	KP	.38	"	"	"
"	"	"	18:30	58.94	24.55	12.6	15.2	4092	"	2	"	.38	"	"	"
"	"	"	18:34	58.08	24.84	13.4	15.8	4391	4219-4594	7	KP-K-P-	.38	"	"	"
"	"	"	19:00	52.82	26.18	9.4	14.6	4405	"	7	"	.78	"	"	"

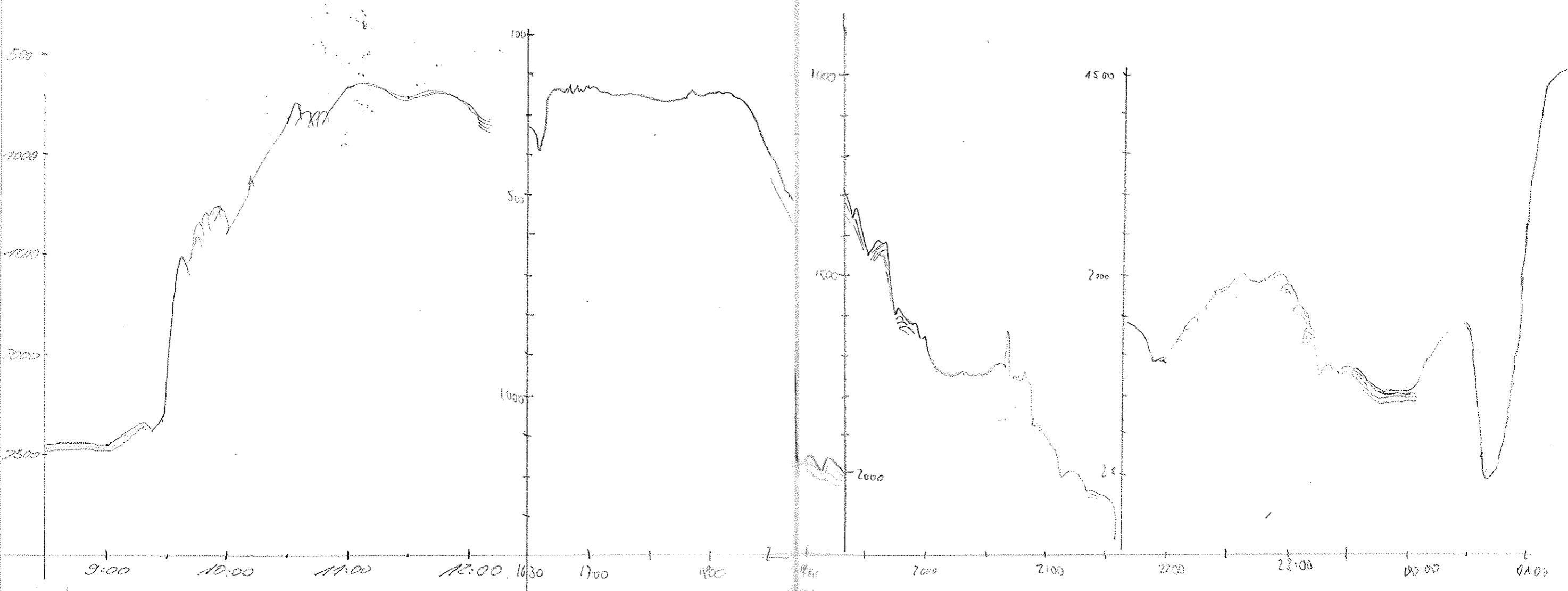


* Reibver hängt

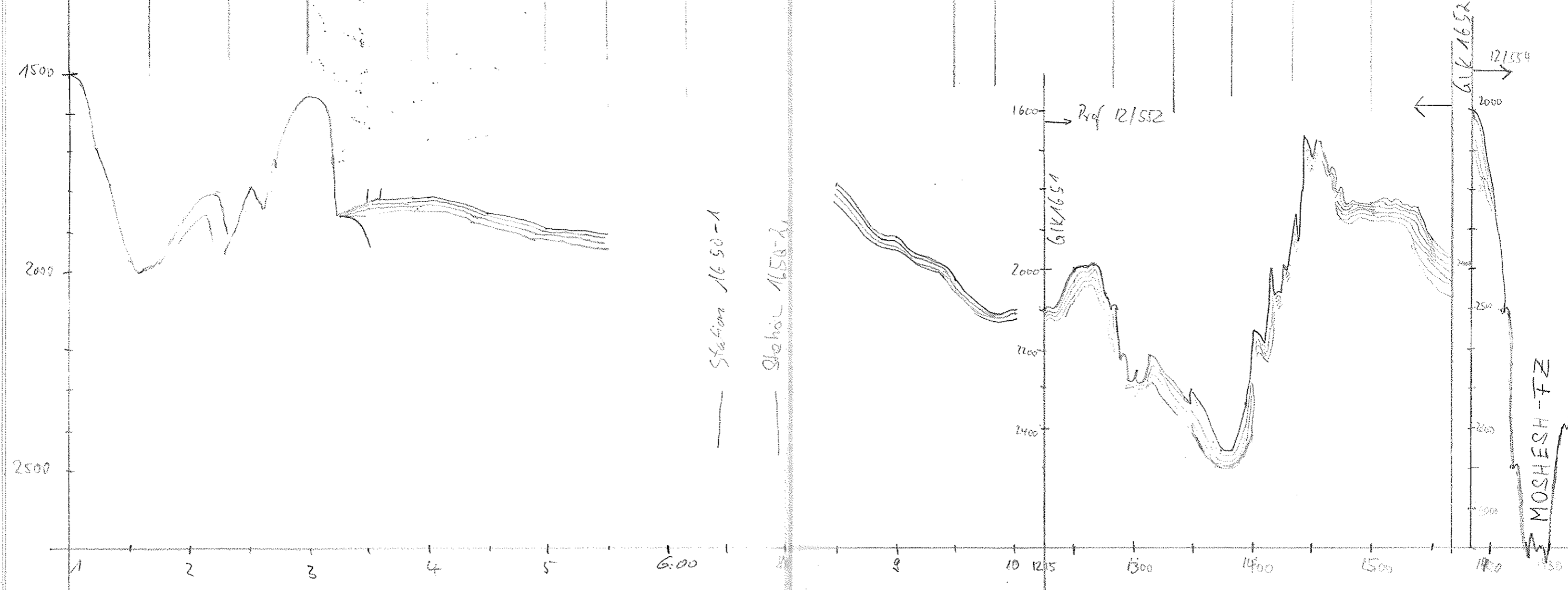
Roll	Profil	Date	Time	Lat S	Lon E	Speed	Course	Depth	Range	SW	Trigger	Delay	Sec/1SW	PL	Observer	Remarks	15
25	12/543	8.3.88	19:00	56° 53.82	2° 26.18	9.4	14.6	4465	4219 - 4594	7	KP-K-P-	.38	1/2	4	Strom		
			19:30	47.67	29.53	12.3	12.8	4548	"	7	"	.38	1/2	4	"	NBS-Platznetz boot	
			19:35	46.59	29.91	12.0	12.4	4150	3844 - 4219	2	"	.38	1/2	4	"		
			19:48	43.84	30.61	12.5	12.7	3795	3656 - 4031	3	KP-	.13	1/2	4	"	NBS vertikal Kopfboord	
			19:57	41.82	31.25	12.1	12.8	3770	3469 - 3844	3	KP-	.38	"	"	"		
			20:00	41.29	31.56	12.8	14.4	3677	"	"	"	"	"	"	"		
			20:32	34.98	34.91	12.3	20.8	4693	4594 - 4969	2	KP	"	"	"	Erhoelt		
			21:00	29.60	37.44	11.5	9.2	3859	3844 - 4219	2	KP	"	"	"	"		
			21:30	23.90	38.36	12.0	18.8	4142	"	"	"	"	"	"	"		
			22:00	18.11	41.27	11.8	15.4	3834	3656 - 4031	3	KP-	.13	"	"	"		
			23:00	06.67	46.42	11.9	11.0	3586	3469 - 3844	3	KP-	.38	"	"	"		
			23:30	01.16	48.71	11.7	17.4	3573	"	"	"	"	"	"	"		
25	12/543	8.3.88	00:03	55° 55.13	51.86	11.9	11.8	3539	"	"	"	"	"	"	MALCEDO		
"	"	"	00:33	49.57	53.74	11.5	11.4	3293	3375 - 3750	2	KP-	.00	"	"	"		
"	"	"	01:01	44.31	55.81	11.6	13.6	3771	3000 - 3375	3	KP-	.00	"	"	"		
"	"	"	01:34	38.25	58.37	11.4	13.9	3478	3469 - 3894	3	KP-	.38	"	"	"		
"	"	"	02:06	33.21	30 00.87	10.8	10.4	3459	3094 - 3469	2	KP-	.38	"	"	"		
"	"	"	03:30	28.16	02.51	10.8	12.4	3273	3094 - 3469	"	"	"	"	"	"		
"	"	"	03:00	22.84	04.82	11.0	14.8	3274	"	"	"	"	"	"	"		
"	"	"	03:38	16.24	07.53	10.5	11.7	3127	"	"	"	"	"	"	"		
"	"	"	04:00	12.42	09.03	10.8	13.6	2988	2813 - 3184	"	"	"	"	"	"		
"	"	"	04:19	9.0	10.85	10.3	20.1	2620	2531 - 2906	2	KP-	0.13	"	"	Boort		
"	"	"	04:32	6.91	12.25	10.8	17.2	2381	2344 - 2719	2	KP-	0.38	"	"	"		
"	"	"	05:16	54° 59.94	14.37	8.5	12.3	2434	"	2	"	"	"	"	"		
"	"	"	05:46	56.28	15.87	8.7	2.6	2503	"	2	"	"	"	"	"		
"	"	"	8:16	54.64	18.58	0	376.2	2465	"	"	"	"	"	"	Nied	Probleme Rolle gewechselt	
26	"	"	8:33	54.57	18.73	0	376.3	2465	"	"	"	"	"	"	"	Start mit neuer R.	



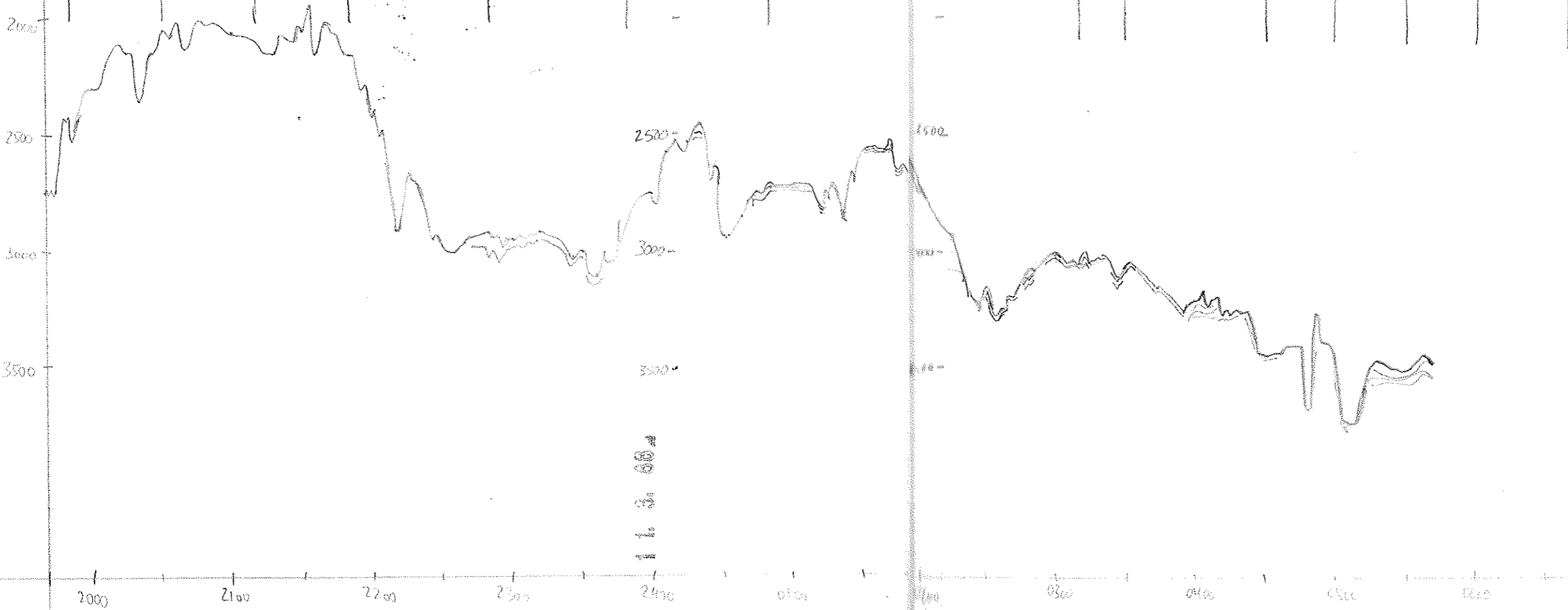
Roll.	Profil	Datum	Zeit	Lat S	Lon E	Speed	Course	Depth	Range	Sw	Trigger	Delay	sec/sw	PL	W K	Remarks
26	12/546	9.3.88	9:00	54° 54.10	3° 18.44	20	324.3	2445	2344-2710	2	KP	.38	1/2	1	Nied	Profilbeginn
"	"	"	9:27	50.80	16.96	8.3	3.2	2379	2063-2438	5	KPKP-	.25	"	"	"	"
"	"	"	10:07	45.67	16.13	7.8	330.7	1392	1037-1406	2	KP	.13	"	"	"	"
"	"	"	10:30	42.31	13.64	8.5	22.9	810	469-844	3	K-P	.38	"	"	"	"
"	"	"	11:00	37.63	16.38	10.2	36.2	680	563-938	"	"	.25	"	"	"	"
"	"	"	11:37	35.67	17.78	3.3	31.2	708	"	"	"	"	"	"	"	"
"	"	"	12:00	34.10	19.73	4.9	356.3	737	"	"	"	"	"	"	"	"
"	"	"	12:13	33.72	20.18	0.6	343.3	738	"	"	"	"	"	"	Heller	Profilende
"	12/548	9.3.88	1632	30.67	19.86	8.7	310	344	781-656	2	KP	.13	"	"	Lofhas	Profilbeginn
"	"	"	1810	22.51	14.14	9.6	026	206	"	"	"	"	"	"	"	"
"	"	"	1832	19.08	17.40	11.5	032	671	563-938	3	K-P	.25	"	"	"	"
"	"	"	1905	15.36	20.35	8.6	041	1206	938-1213	2	KP	.25	"	"	"	"
"	"	"	1935	11.84	24.19	8.1	034	1422	1313-1688	5	KPK-P	.25	"	"	"	"
"	"	"	2004	08.34	27.86	8.1	027	1677	1594-1969	2	KP	.38	"	"	"	"
"	"	"	20:38	04.35	30.84	7.5	30.7	1730	"	"	"	"	"	"	Cortes	"
"	"	"	21:00	04.77	33.11	2.7	33.1	1863	1875-2250	2	KP	0.00	"	"	"	"
"	"	"	21:35	00.05	34.31	3.4	33.4	2163	"	"	"	"	"	"	"	"
"	"	"	22:00	53.58.18	35.70	2.6	18.9	2206	2063-2438	5	KPKP	0.28	1	"	"	"
"	"	"	22:30	58.14	36.68	2.9	15.5	2025	1875-2250	2	KP	0.00	"	"	"	"
"	"	"	23:00	56.82	37.58	2.7	15.9	2064	"	"	"	"	"	"	"	"
"	"	"	23:40	53.06	38.93	2.8	20.4	2273	2063-2438	5	KPKP	0.28	"	"	"	"
"	"	10.3.88	00:00	53.98	39.66	2.8	28.7	2367	"	"	"	"	"	"	Wse	"
"	"	"	00:34	52.79	40.97	2.8	24.7	2559	2250-2625	"	"	0.00	"	"	"	"
"	"	"	01:00	51.48	42.32	3.0	25.9	2024	1969-2344	"	"	0.38	"	"	"	"



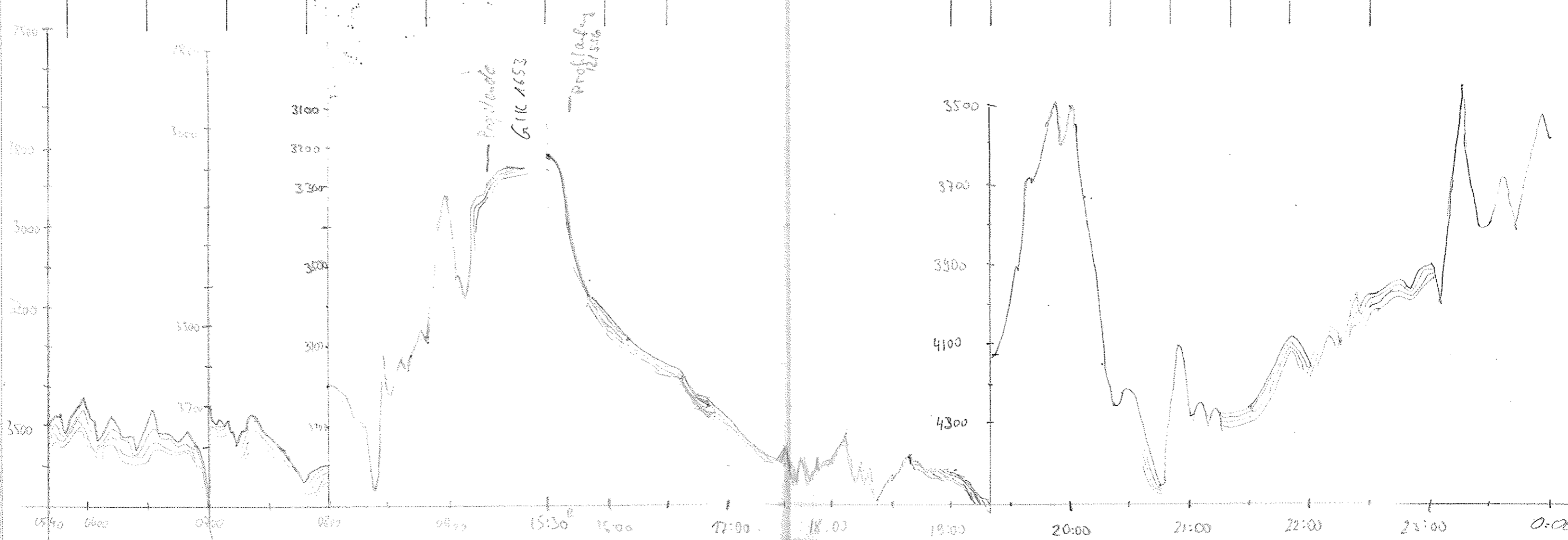
Roll	Profil	Datum	Zeit	Lat. S	Long E	Speed	Course	Depth	Range	SW	Trigger	Delay	sec	Rel	Wachp.	Bemerkung
26	12/548	10.03.88	01:30	53 49' 92	003 43' 61	3.0	28.0	1872	1594 - 1969	2	KPK - P	.38	1	1	live	
"	"	"	02:00	48' 93	44' 68	2.7	19.7	1902	"	2	"	"	"	"	"	
"	"	"	02:30	47' 79	45' 56	2.6	15.6	1819	"	"	"	"	"	"	"	
"	"	"	03:00	47' 06	46' 28	1.1	18.7	1617	1500 - 1875	5	KPK - P	0.00	"	"	"	
"	"	"	03:30	46' 26	46' 17	1.1	29.5	1873	1688 - 2063	2	KP	0.25	"	"	"	
"	"	"	04:00	45' 64	46' 84	1.4	25.7	1843	"	"	"	"	"	"	"	
"	"	"	4:30	44' 97	3 47' 46	1.3	28.3	1860	"	"	"	"	"	"	Nied	
"	"	"	5:01	44' 42	48' 32	1.3	3.2	1897	"	"	"	"	"	"	"	Profilende
"	"	"	5:37	44' 00	48' 85	1.6	159.7	1906	"	"	"	"	"	"	"	
"	"	"	6:10	44' 25	48' 83	0	230.7	1893	"	"	"	"	"	"	"	Standby, St. 12/548
"	"	"	8:25	45' 75	48' 00	0	11.5	1784	1688 - 2063	"	"	"	"	"	Roland	Profilstart
"	"	"	9:00	42' 81	49' 29	5.4	12.7	1933	"	"	"	"	"	"	"	
"	"	"	9:30	40' 44	50' 56	5.8	13.0	2045	1875 - 2250	"	"	0.00	"	"	"	
"	"	"	9:55	38' 06	51' 58	5.6	12.2	2114	"	"	"	"	"	"	"	Profilende, Station
"	12/5582	"	12:15	38' 86	50' 69	3.3	094	2102	"	"	"	"	"	"	Lobhar	Station to Station
"	12/552	"	12:50	38' 94	4 00' 09	12.2	090	2165	"	"	"	"	"	"	"	
"	"	"	13:35	38' 68	17' 42	12.6	089	2400	2156 - 2581	5	KPKP	.13	"	"	"	
"	"	"	14:00	39' 00	26' 77	12.6	095	2163	"	"	"	.1	"	"	"	
"	"	"	14:30	39' 08	38' 11	12.4	095	1800	1594 - 1969	2	KP	.38	"	"	"	
"	"	"	15:04	39' 57	50' 45	12.9	97	1830	"	"	"	"	"	"	Kocher	
"	"	"	15:31	40' 19	5 0' 56	12.9	94.5	1929	1875 - 2250	"	"	.00	"	"	"	
"	"	"	15:40	40' 32	3' 49	10.3	90.9	1970	"	"	"	"	"	"	"	Profilende GUS 1652-2
"	12/554	"	18:50	39' 62	6' 37	11.0	053	2028	"	"	"	"	"	"	Lobhar	Prof. beginn VOL 1652-2
"	"	"	19:02	38' 46	9' 57	12.1	062	2286	2250 - 2625	5	KPKP	"	"	"	"	
"	"	"	19:32	35' 47	18' 72	12.3	062	2924	2719 - 3094	3	K-P	.38	"	"	"	



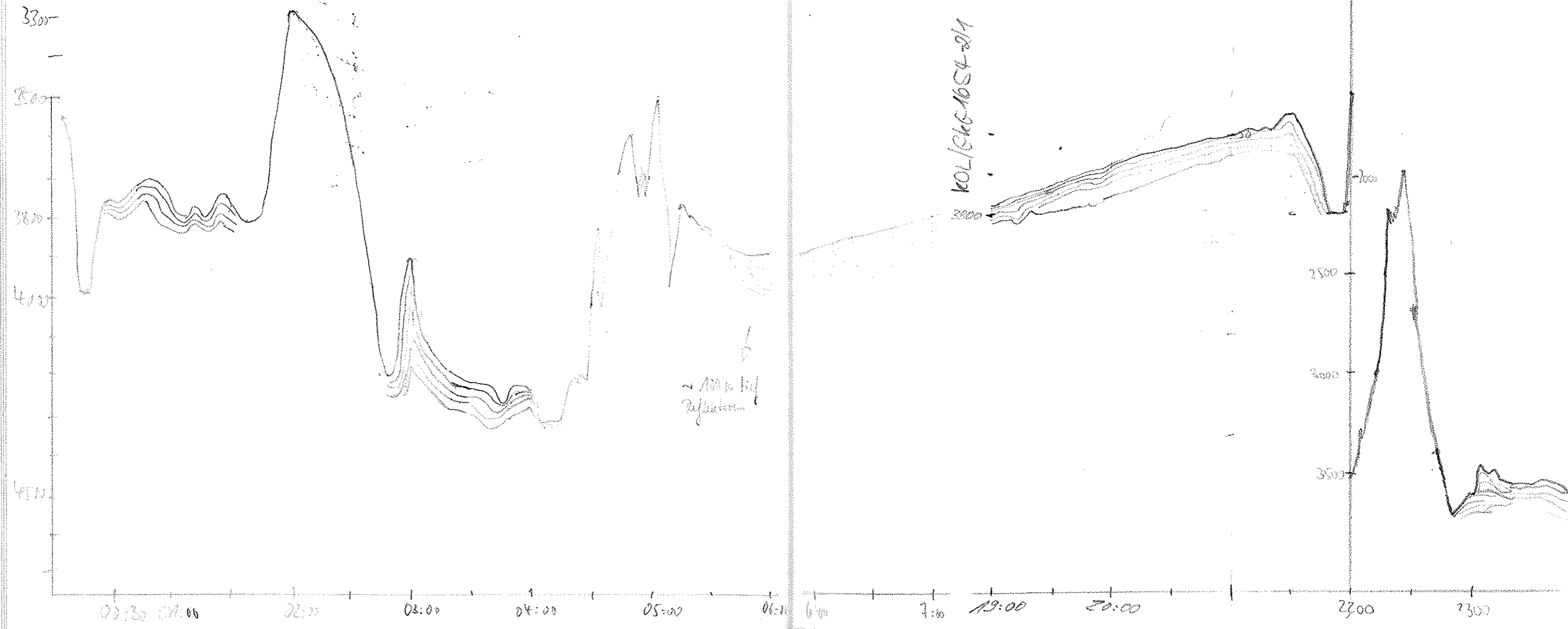
Roller	Profil	Date	Time	Lat S	Lon E	Speed	Course	Depth	Range	SW	Fogge	Delay	sec/SW	PL	Knecht	Ergebnis
26	12/554	10.3.88	20:02	53° 22.47	5° 27.94	11.5	61.7	2223	2250 - 2625	5	KPKP -	0.00	1/2	1.0	8man	
			20:04	53° 32.70	5° 28.77	12.6	61.6	2221	2062 - 2438	5	"	0.25	"	"	"	
			20:19	30.22	22.34	12.7	61.7	2271	2250 - 2625	5	"	0.00	1/2	"	"	
			20:22					2262	2062 - 2438	"	"	0.25	"	"	"	
			20:29	29.26	26.29	12.6	60.9	2060	1969 - 2344	"	"	0.38	"	"	"	
			21:01	25.69	44.25	12.5	66.7	2059	1969 - 2344	"	"	"	"	"	"	
			21:30	23.24	53.10	12.4	69.6	2046	1969 - 2344	5	"	0.38	"	"	"	
			21:55	21.22	6° 00.93	12.6	70.2	2292	2250 - 2625	"	"	0.00	"	"	"	
			22:00	20.81	2.35	12.6	68.5	2339	"	"	"	"	"	"	"	
			22:07	20.14	4.71	12.6	67.9	2728	2531 - 2906	2	KP	0.11	"	"	"	
			22:13	19.62	6.55	12.6	68.2	2544	2344 - 2719	2	"	0.38	"	"	"	
			22:18	19.20	8.03	12.6	68.0	2604	2438 - 2813	2	"	0.25	"	"	"	
			22:26	18.58	10.19	12.6	68.4	2772	2625 - 3000	2	"	0.00	"	"	"	
			22:37	17.61	13.60	12.6	68.0	2980	2813 - 3188	3	K-P	0.25	"	"	"	
			22:04	15.22	16.46	12.7	65.5	2934	"	"	"	"	"	"	"	
			23:20	12.67	28.31	12.2	59.3	2996	"	"	"	"	"	"	"	
			23:22	12.30	29.23	12.6	58.8	3099	3000 - 3375	3	K-P	0.00	"	"	"	
			23:45	10.99	32.48	12.4	59.5	3002	2813 - 3180	3	K-P	0.25	"	"	"	
			23:58	9.63	36.13	12.3	61.0	2779	2531 - 2906	2	KP	0.11	"	"	"	
26	12/554	11.3.88	00:03	9.65	38.52	12.7	58.7	2759	"	"	"	"	"	"	"	
"	"	"	00:32	6.57	46.28	12.5	59.2	2730	2438 - 2813	2	KP	0.25	"	"	"	MACEP
"	"	"	01:02	3.37	56.11	12.6	59.5	2715	2625 - 3000	"	"	0.00	"	"	"	"
"	"	"	01:33	00.40	7° 05.52	12.7	62.0	2567	2394 - 2719	"	"	0.38	"	"	"	"
"	"	"	02:03	52° 57.41	14.48	12.7	61.2	2705	2531 - 2906	"	"	0.13	"	"	"	"
"	"	"	02:32	54.69	23.01	12.3	61.8	3239	3094 - 3469	"	"	0.38	"	"	"	"
"	"	"	03:00	51.28	31.96	12.8	63.4	3021	2813 - 3180	3	K-P	0.25	"	"	"	"
"	"	"	03:30	48.37	41.23	12.8	64.0	3078	"	"	"	"	"	"	"	"
"	"	"	03:59	46.54	50.15	12.6	64.5	3213	3000 - 3375	"	"	0.00	"	"	"	"
"	"	"	04:35	41.97	8° 01.29	12.4	63.0	3440	3281 - 3656	2	KP	0.13	"	"	"	Lokeu
"	"	"	05:10	38.41	11.83	12.6	61.3	3721	3563 - 3938	3	KP	0.25	"	"	"	"



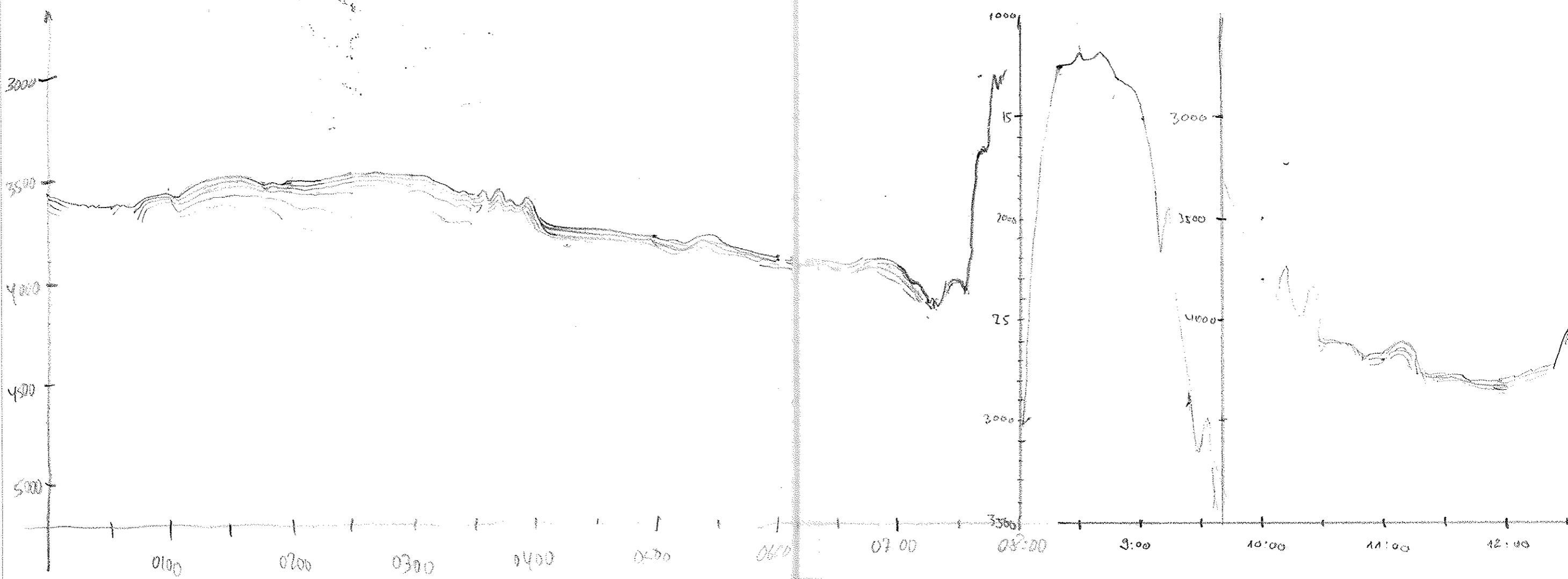
Zolle	Profil	Datum	Zeit	Lat S	Lon E	Speed	Course	Tiefe	Range	Sw	Trigges	Delay	100/sw	PL	Substanz	Brubg
26	12/554	11 3 88	05:44	52° 35.51'	8° 23.35'	12.3	056	3478	3281 - 3656	2	KP	.13	72	4	Sollas	
"	"	"	06:35	29.23	39.19	12.8	063	3498	"	"	"	"	"	"	"	
"	"	"	07:15	25.16	51.49	12.9	060	3765	3469 - 3804	3	"	.38	"	1	"	
"	"	"	07:40	22.48	59.15	12.7	060	3812	3563 - 3938	3	KP	.75	"	4	"	
"	"	"	08:15	18.90	009° 09.89'	12.6	061	3907	3844 - 4219	2	KP	.38	"	"	Brehme	
"	"	"	08:30	17.38'	14.16'	12.6	064	3833	3656 - 4031	3	KP	.13	"	"	Brehme	
"	"	"	08:45	12.31'	51.50'	7.1	060	3308	3281 - 3656	2	KP	.13	"	"	Helles	
"	"	"	09:21	12.66'	28.36'	4.7	103	3308	3094 - 3469	2	KP	.38	"	"	"	Profunde 9:20
"	"	"	12:04	52 120.65	29.21	6.4	224	3248	"	"	"	"	"	"	11 fied	
"	"	"	15:32	52 110.12	30.81	3.5	306	3322	"	"	"	"	"	"	"	Profundgang 15:40
"	121556	"	15:41	52° 10.87'	30.21	4.3	300	3420	"	"	"	"	"	"	"	
"	"	"	16:11	52° 07.55'	23.82	12.3	308.3	3682	3656 - 4031	3	KP	.13	"	"	"	
"	"	"	16:51	52° 02.38'	13.31	12.4	307.2	3850	"	"	"	"	"	"	Thud	Thud
"	"	"	17:21	51° 58.58'	E 9° 5.25'	12.6	305.1	3972	3938 - 4313	2	KP	.25	"	4	"	
"	"	"	18:04	51° 53.43'	E 8° 53.96'	12.4	305.6	3899	"	"	"	"	"	"	"	
"	"	"	18:38	51.24	E 41.96	13.0	317.0	3968	3750 - 4125	3	KP	1.00	"	"	"	
"	"	"	19:02	47.56	36.17	12.7	316.8	4030	"	"	"	"	"	"	"	
"	"	"	19:16	45.35	33.40	13.1	316.6	4126	4031 - 4406	2	KP	.17	"	"	"	
"	"	"	20:08	38.47	8° 20.67	12.6	322.6	3730	3844 - 4219	2	KP	.38	"	"	Nied	Rolle gewechselt
27	"	"	20:17	37.03	18.64	12.0	322.4	4142	"	"	"	"	"	"	"	Start mit neuer Rolle
"	"	"	20:44	33.46	11.96	12.9	330.7	4440	4125 - 4500	"	"	.00	"	1	"	
"	"	"	21:30	25.95	03.14	12.4	321.6	4258	"	"	"	"	"	"	"	
"	"	"	22:00	22.17	7° 55.17	12.5	321.6	4152	3844 - 4219	"	"	.38	"	"	"	
"	"	"	22:30	17.75	48.58	12.7	315.6	3970	"	"	"	"	"	"	"	
"	"	"	23:00	13.28	40.60	12.9	313.9	3895	"	"	"	"	"	"	"	
"	"	"	23:30	09.06	33.12	13.2	314.1	3790	"	"	"	"	"	"	"	
"	"	"	0:00	04.93	25.18	13.0	316.7	3580	3375 - 3750	"	"	.00	"	"	"	



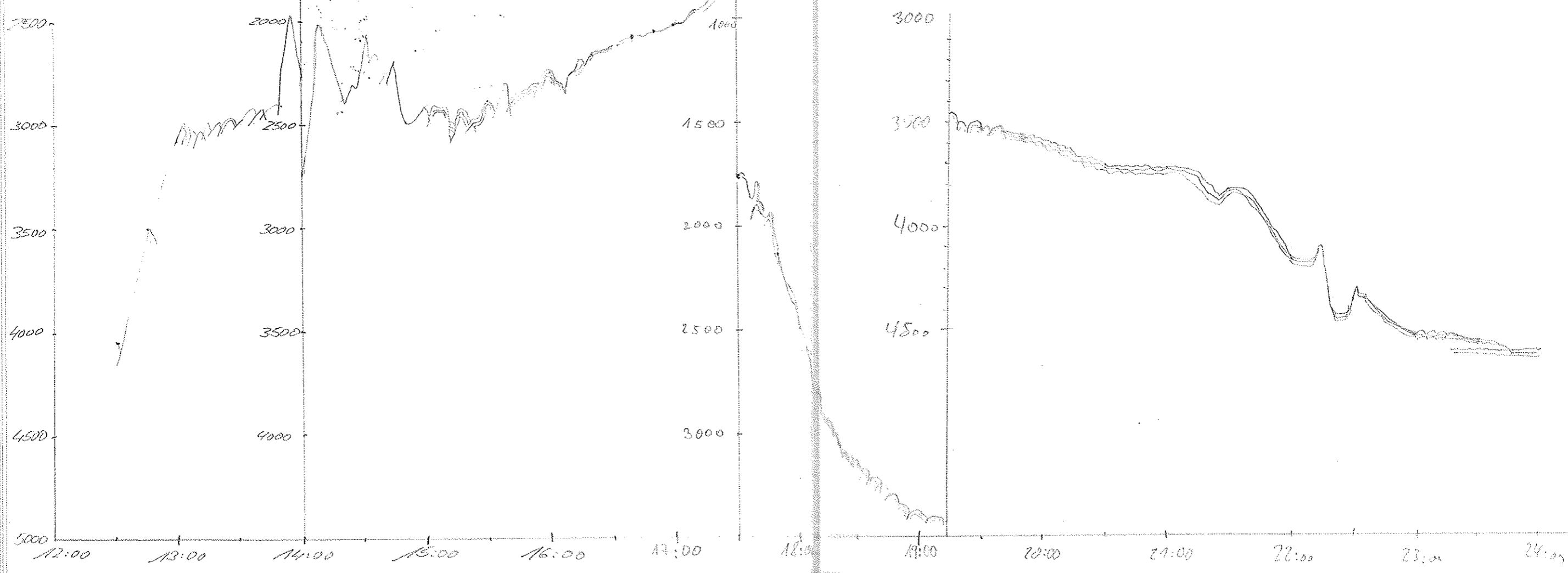
Roll	Profile	Date	Time	Lat S	Lon E	Speed	Heading	Depth	Depth Range	SW	Trigger	Delay	Sec / SW	PL	WK	Remarks
27	12/556	12.3.88	00:35	50.59' 96	7 16' 36	12.0	315.5	3756	3469 - 3844	3	KP	0.38	112	1	hwe	
"	"	"	01:01	56' 48	10' 10	12.2	313.9	3709	"	"	"	"	"	"	"	
"	"	"	01:30	52' 60	03' 09	11.8	313.4	3784	"	"	"	"	"	"	"	
"	"	"	02:00	48' 50	6 55' 82	11.6	312.6	3345	"	"	"	"	"	"	"	
"	"	"	02:30	44' 57	49' 12	12.1	311.8	3692	"	"	"	"	"	"	"	
"	"	"	03:02	40' 47	41' 25	11.6	310.9	4108	3844 - 4219	2	"	"	"	"	"	
"	"	"	03:30	36' 65	34' 37	11.9	313.1	4221	4125 - 4500	2	"	"	"	"	"	
"	"	"	04:00	32' 66	27' 39	12.1	311.4	4288	"	"	"	"	"	"	"	
"	"	"	04:31	28' 87	21' 40	12.2	306.1	4028	3750 - 4125	3	"	0.00	"	"	"	Cordes
"	"	"	05:00	25' 38	14' 27	12.3	307.0	3702	3375 - 3750	2	KP	0.00	"	"	"	
"	"	"	05:30	21' 38	07' 39	12.0	312.4	3832	3750 - 4125	3	KP	"	"	"	"	
"	"	"	06:00	17' 64	5 59' 60	12.2	315.4	3857	"	"	"	"	"	"	"	
"	"	"	06:30	13' 39	53' 26	10.7	319.6	3852	"	"	"	"	"	"	"	7:10 abgestellt
"	"	"	07:00	10' 28	47' 80	9.3	311.1	3809	"	"	"	"	"	"	"	7:00 Profilerde 12/556
"	12/558	"	19:00	08' 92	43' 88	6.8	4.6	3780	3656 - 4037	3	KP	.13	"	4	Nied	Start
"	"	"	19:30	05' 77	47' 39	8.5	22.5	3730	"	"	"	"	"	"	"	
"	"	"	20:00	01' 28	50' 77	8.2	23.5	3676	"	"	"	"	"	"	"	
"	"	"	20:20	49' 58' 76	52' 90	9.2	23.3	3677	3563 - 3938	"	"	.25	"	"	"	Sturm
"	"	"	21:10	51' 79	56' 89	8.9	036	3565	3469 - 3844	"	"	.38	"	"	"	lokales
"	"	"	22:01	45' 28	6 04' 17	9.2	035	3479	3281 - 3656	2	"	.03	"	"	"	
"	"	"	22:31	41' 70	07' 72	9.2	031	2814	2719 - 3094	3	KP	.38	"	"	"	
"	"	"	23:28	34' 60	14' 30	8.5	030	3530	3375 - 3750	2	KP	.00	"	"	"	



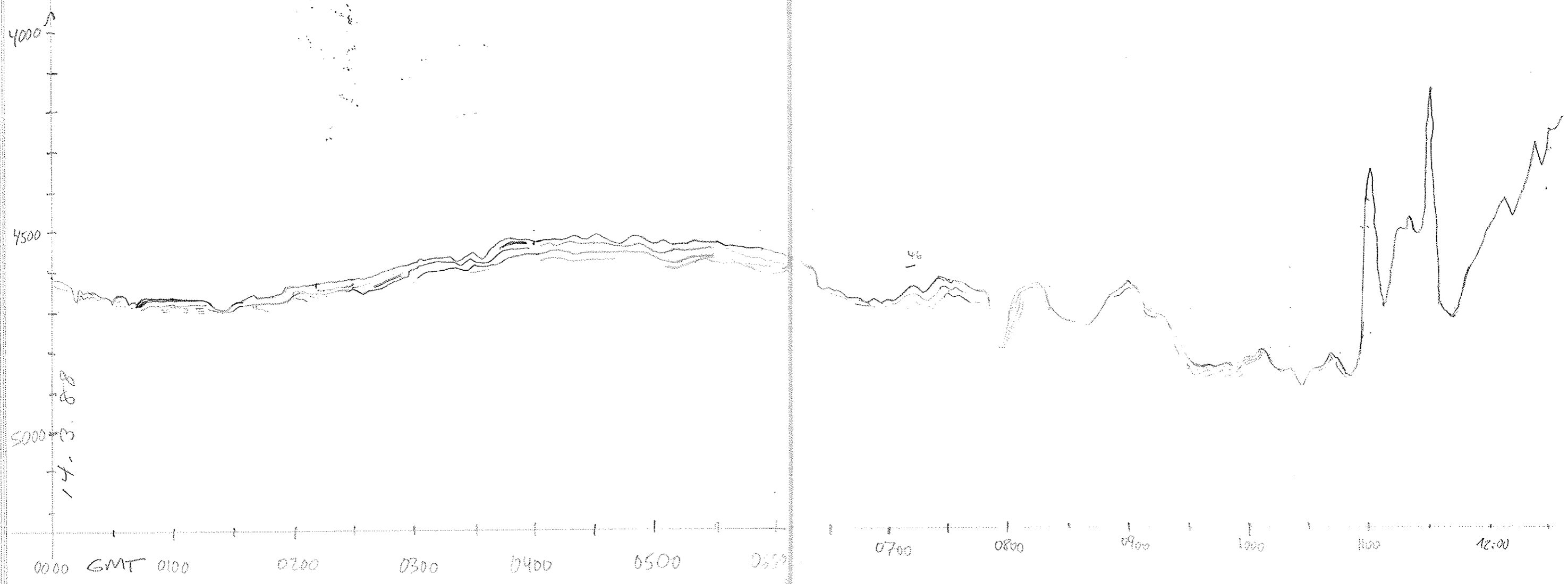
Roll	Profil	Date	Time	Lat S	Lon E	Spd	Coor	Depth	Range	Sw	Trigger	Delay	Coef	PL	Kindel	Beaufort
27	12/558	13-388	00:00	-49° 30.93	6° 17.08	8.1	31.3	3577	375-3750	2	KP	.00	1/2	1	MACEDO	
"	"	"	00:34	26.84	20.76	8.7	31.3	3640	"	"	"	"	"	"	"	
"	"	"	01:10	27.66	24.63	8.6	34.8	3543	"	"	"	"	"	"	"	
"	"	"	01:32	19.80	27.45	7.7	29.2	3485	"	"	"	"	"	"	"	
"	"	"	02:05	15.85	30.99	8.6	31.1	3524	"	"	"	"	"	"	"	
"	"	"	02:30	12.56	33.63	8.1	28.1	3456	"	"	"	"	"	"	"	
"	"	"	03:01	08.66	36.98	9.3	29.7	3472	"	"	"	"	"	"	"	
"	"	"	03:28	05.45	39.97	9.1	27.4	3590	"	"	"	"	"	"	"	
"	"	"	04:00	01.23	44.18	8.0	26.4	3650	"	"	"	"	"	"	"	
"	"	"	04:25	48 57.60	6° 47.09	9.2	27.0	3734	3563-3974	3	App.	.25	"	"	Reed	
"	"	"	04:54	53.45	50.45	8.1	28.5	3788	"	"	"	"	"	"	"	
"	"	"	05:28	49.49	53.60	8.8	27.9	3815	"	"	"	"	"	"	"	
"	"	"	06:00	45.03	57.22	9.1	26.7	3889	3750-4125	"	"	.00	"	"	"	
"	"	"	07:15	35.66	7° 7.26	8.6	20.0	4032	"	"	"	"	"	"	"	
"	"	"	07:44	31.80	9.87	8.5	19.9	3181	"	"	"	"	"	"	"	
"	"	"	8:16	27.16	13.28	8.1	24.7	4274	838-1312	"	"	.25	"	"	Heibel	
"	"	"	8:48	22.76	16.63	8.3	21.0	4282	"	"	"	"	"	"	"	
"	"	"	9:43	14.59	23.81	8.2	26.0	3184	2906-3281	3	K-P	.13	"	"	"	
"	"	"	10:05	12.30	25.25	8.1	25.5	3849	3750-4125	3	KP	.08	"	"	"	
"	"	"	10:37	8.70	29.43	8.3	26.5	4120	"	"	"	"	"	"	"	
"	"	"	11:16	2.52	34.13	-8.8	22.6	4137	4021-4406	2	KP	.13	"	"	"	
"	"	"	12:06	47° 55.78	7° 39.84	8.9	23.4	4228	"	"	"	"	"	"	Nied	
"	"	"	12:31	47° 54.82	42.30	9.3	24.2	4049	"	"	"	"	"	"	"	



Roll	Profile	Date	Time	Lat S	Lon E	Speed	Head	Depth	Depth Range	Sw	Trigger	Delay	Sec/Sw	Pl.	WK	Remarks
27	12/558	13.3.88	13:00	47° 47.82	7° 45.89	9.2	27.0	3080	2813 - 3488	3	K-P	.25	1 1/2	4.	Nied	
"	"	"	13:30	43.30	49.02	9.1	32.1	2380	"	"	"	"	"	"	"	
"	"	"	14:00	39.38	52.88	9.4	31.2	2734	2531 - 2906	2	KP	.13	"	"	"	
"	"	"	14:30	35.22	56.98	9.4	31.5	2071	1969 - 2344	5	KPKP-	.38	"	"	"	
"	"	"	15:00	30.95	8° 00.85	9.0	26.8	2425	1756 - 2537	"	"	.13	"	"	"	
"	"	"	15:30	26.83	04.26	9.5	29.8	2396	"	"	"	"	"	"	"	
"	"	"	16:00	22.53	08.03	9.4	27.5	2245	"	"	"	"	"	"	"	
"	"	"	16:30	18.50	11.15	9.4	28.9	2115	1969 - 2344	"	"	.38	"	"	Limtker	
"	"	"	17:00	14.53	14.55	9.4	30.7	2026	"	"	"	"	"	"	"	
"	"	"	17:30	10.52	17.94	9.0	28.3	1782	1781 - 2156	2	KP	.13	"	"	"	
"	"	"	18:00	07.16	21.74	8.9	23.2	2478	1156 - 2531	5	KPKD	.13	"	"	Lothar	
"	"	"	18:30	3.39	24.58	8.9	22.8	3143	1719 - 3188	3	K-P	.25	"	"	Kuhn	Störungen bei K-P .00
"	"	"	19:13	46° 57.66	28.58	9.2	21.9	3416	3034 - 3469	2	KP	.38	"	"	"	
"	"	"	19:30	55.45	30.22	9.4	27.5	3521	3229 - 3656	"	"	.13	"	"	"	
"	"	"	20:01	51.22	32.64	9.3	28.5	3679	3563 - 3938	3	KP-	.25	"	4	"	
"	"	"	20:30	42.46	25.86	9.5	29.9	3719	"	3	"	.25	"	"	Strom	
"	"	"	21:00	48.22	40.25	9.3	22.3	3712	"	"	"	"	"	"	"	
"	"	"	21:31	39.79	43.21	9.4	23.1	3831	"	"	"	"	"	"	"	
"	"	"	21:42	38.41	44.37	9.4	25.3	3868	3656 - 4031	3	KP-	.13	"	"	"	
"	"	"	21:49	37.49	45.19	9.2	25.8	4013	3844 - 4219	2	KP	.38	"	"	"	
"	"	"	22:00	36.13	46.40	9.4	25.2	4147	"	"	"	"	"	"	"	
"	"	"	22:01	35.91	46.59	9.5	25.2	4121	4031 - 4406	"	"	.13	"	"	"	
"	"	"	22:19	33.65	48.85	9.5	24.8	4416	4219 - 4594	7	KP-K-P-	.38	"	"	"	
"	"	"	22:31	32.01	50.21	9.3	25.4	4334	"	"	"	"	"	"	"	
"	"	"	23:01	28.21	53.32	9.2	24.0	4502	"	"	"	"	"	"	"	
"	"	"	23:06	27.50	53.95	9.7	24.5	4516	4313 - 4688	"	"	.25	"	"	"	
"	"	"	23:31	24.17	56.86	9.7	25.5	4546	"	"	"	"	"	"	"	
"	"	14.3.88	00:01	20:36	9° 00.38	10.4	24.3	4610	4406 - 4781	"	"	.13	"	"	"	



Roll	Profile	Date	GMT Time	Lat S	Lon E	Speed	Heard	Depth	Depth Range	Sec	Trigger	Delay	Sec/800	PL	WR
27	12/558	14.3.88	00:32	46° 15.11	9° 04.46	12.2	0218	4651	4500-4875	7	KP-K-P-	.00	1/2	1	MARCEDO
"	"	"	01:02	09.84	08.46	12.3	025.4	4661	"	"	"	"	"	"	"
"	"	"	01:36	03.96	13.25	12.5	025.6	4661	"	"	"	"	"	"	"
"	"	"	02:11	45° 57.71	18.45	12.9	025.0	4638	"	"	"	"	"	"	"
"	"	"	02:30	54.38	21.12	12.9	025.2	4616	"	"	"	"	"	"	"
"	"	"	03:04	47.98	26.40	12.8	025.4	4571	"	"	"	"	"	"	"
"	"	"	03:55	38.49	33.96	13.0	027	4533	"	"	"	"	"	"	Colbas
"	"	"	05:00	26.13	44.06	12.8	027	4530	"	"	"	"	"	"	"
"	"	"	06:05	13.76	53.40	12.9	029	4566	"	"	"	"	"	"	"
"	"	"	06:45	06.39	59.82	12.9	031	4654	"	"	"	"	"	"	"
"	"	"	07:25	44° 58.23	100 06.16	13.1	029	4624	"	"	"	"	"	"	"
"	"	"	08:00	44 52.31	10 11.55	13.0	029	4726	1688 - 5063	2	KP-	.25	"	"	Brahme
"	"	"	08:30	46.70	16.19	12.8	028	4712	4500 - 4875	7	KP-K-P-	.00	"	"	"
"	"	"	09:00	41.09	20.48	13.0	029	4609	"	"	"	"	"	"	"
"	"	"	09:30	35.44	25.27	12.8	025	4815	4594 - 4969	2	KP-	.38	"	"	"
"	"	"	10:00	30.02	29.34	12.5	024	4821	"	"	"	"	"	"	"
"	"	"	10:30	24.51	33.48	13.1	044	4878	4781 - 5156	"	"	.13	"	"	"
"	"	"	11:00	19.12	38.39	13.0	029	4411	4313 - 4688	7	KP-K-P-	.25	"	"	"
"	"	"	11:50	10.06	45.32	12.9	28.1	4674	"	"	"	"	"	"	K. line
"	"	"	12:51	43 58.19	54.57	12.6	28.2	4313	4779 - 4594	"	"	.38	"	"	"



Roll	Profile	Date	GMT Time	Lat S	Lon E	Speed	Head	Depth	Depth-Range	SW	Trigger	Delay	sc/sw	PL	Protocol
27	121558	14.3.88	14:00	43° 46,68	11° 3,89	13,1	28,6	4536	4408 - 4781	7	KP-R-P-	.73	1/2	4	Kulose
"	"	"	15:07	34,65	13,40	13,0	28,0	4633	4406 - 4781	"	"	"	"	"	"
"	"	"	15:33	29,99	17,16	13,7	27,3	4890	"	"	"	"	"	"	"

Rolle-Einde
3,5 kHe abgelesen

