

Parasound journal of Polarstern Leg ANT-IX/4

1991-03-30 to 1991-05-08

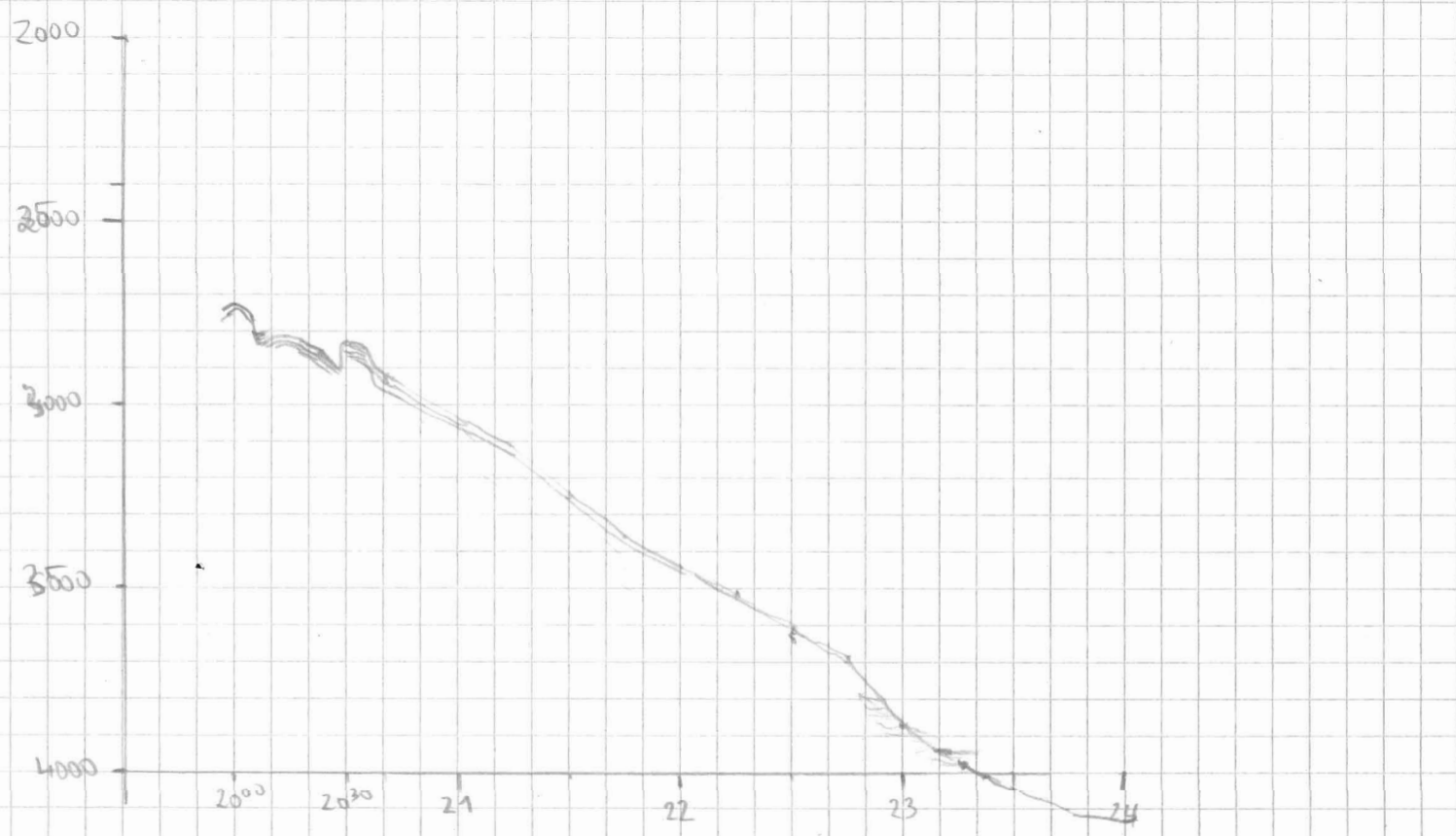
Hans Hubberten, Gerhard Bohrmann, Gerhard Kuhn
& Shipboard Scientific Party

1991

Alfred Wegener Institute for Polar and Marine Research, Bremerhaven

hdl:10013/epic.28620

Datum UTC	Uhrzeit UTC	Tiefe Ps	Tiefe Hr	Geographische		Speed [kn]	Kurs [°]	Wachgänger
				Breite	Länge			
30.03.91	17 ⁰⁰	366.1	/	34° 30.732 S	17° 57.227 E	13.7	212.7	RRNdr
	17 ¹⁵	485.6	/	34° 33.448 S	17° 54.931 E	14.0	212.4	RRNdr
	17 ³⁰	956.3	/	34° 36.286 S	17° 52.632 E	13.3	207.0	RRNdr
	17 ⁴⁵	1224	/	34° 40.349 S	17° 49.936 E	13.8	206.8	RRNdr
	18 ⁰⁰	1405	/	34° 41.984 S	17° 48.960 E	13.2	205.2	Tauro
	18 ¹⁵	1659	1673	34° 45.091 S	17° 47.166 E	12.5	207.6	'
	18 ²⁰							RRNdr
	18 ⁴⁵							
	19 ⁰⁰	2290	2303	34 49.72 S	17° 40.075	11.9	201.0	RRNdr
	19 ¹⁵	2444	2462	34° 56.613	17° 40.415 E	12.7	196.7	RRNdr
	19 ³⁰	2538	2645	34 59.610	17 38.420	13.1	211.8	RRNdr
	19 ⁴⁵	2709	2716	35° 02.410 S	17° 36.336 E	13.4	210.0	RRNdr
	20 ⁰⁰	2730	2743	35° 05.221 S	17° 34.542 E	13.4	206.7	Pulaski
	20 ¹⁵	2857	2867	35° 08.451 S	17° 32.648 E	12.4	210.0	"
	20 ³⁰	2831	2842	35° 10.39 S	17° 30.41 E	13.5	210.7	"
	20 ⁴⁵	3007	3012	35° 14.07 S	17° 28.21 E	13.6	203.5	"
	21 ⁰⁰	3066	3104	35° 16.595 S	17° 26.897 E	13.4	203.7	RRNdr
	21 ¹⁵	3142	3111	35° 20.219 S	17° 24.956 E	12.8	204.1	"
	21 ³⁰	3239	3243	35° 21.295 S	17° 23.018 E	13.0	208.8	"
	21 ⁴⁵	3336	3345	35° 25.921 S	17° 21.337 E	13.2	205.7	"
	22 ⁰⁰	3428	3451	35° 28.061 S	17° 19.361 E	12.8	208.9	"
	22 ¹⁵	3510	3534	35° 31.400 S	17° 18.309 E	13.8	212.0	"
	22 ³⁰	3611	3622	35° 34.783	17° 15.744	13.9	208.5	"
	22 ⁴⁵	3698	3716	35° 36.564 S	17° 14.280 E	12.4	208.3	Kaiser
	23 ⁰⁰	3892	3929	35° 39.214 S	17° 12.675 E	11.8	208.0	
	23 ¹⁵	3977	3989	35° 42.059 S	17° 10.859 E	12.5	207.5	
	23 ³⁰	4034	4053	35° 45.015 S	17° 08.860 E	13.5	209.7	
	23 ⁴⁵	4080	4104	35° 48.408 S	17° 06.923 E	12.5	209.3	
	0 ⁰⁰	4126	4148	35° 51.303 S	17° 04.870 E	13.0	211.2	



Frequenz	Puls- länge	Range	Scale	Mode	Sig	Freq. kHz	Time ms	Warte- zeit	Data Reed.	Hand- scheibe	Meß- mod.	Bemerkungen
4	4	500	200	1	S	40	266	0.9	0	0	1	Start ANT IX/4
4	4	1000	200	1	S	40	266	0.9	0	0	1	
4	4	5000	200	4	-11	-11	-11	-11				
4	4	5000	"	"	"	"	"					
		5000	"									

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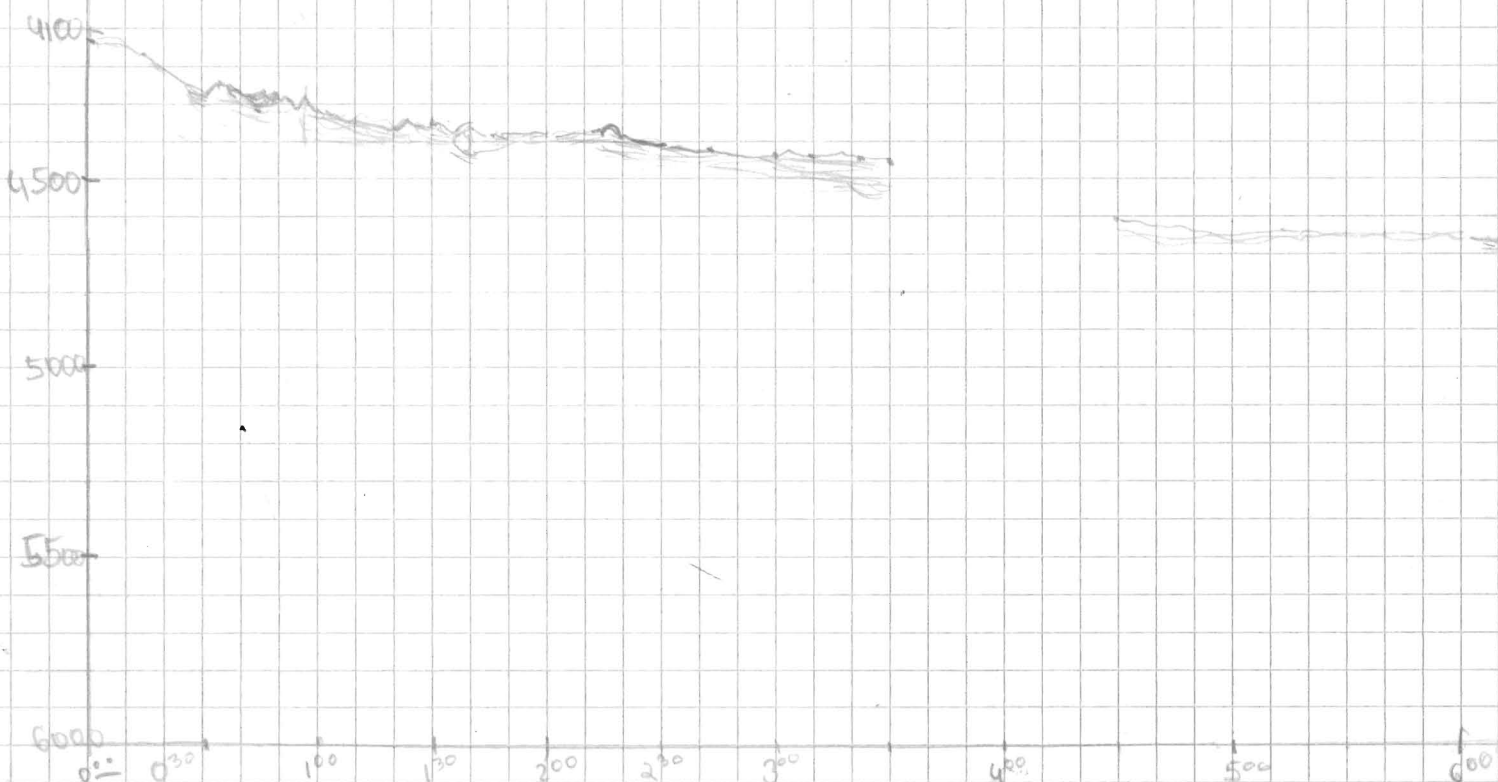
Störung durch Fremdlob ?
angegeben

5
2

4	4	5000	200	4	S	40	266	10	2			
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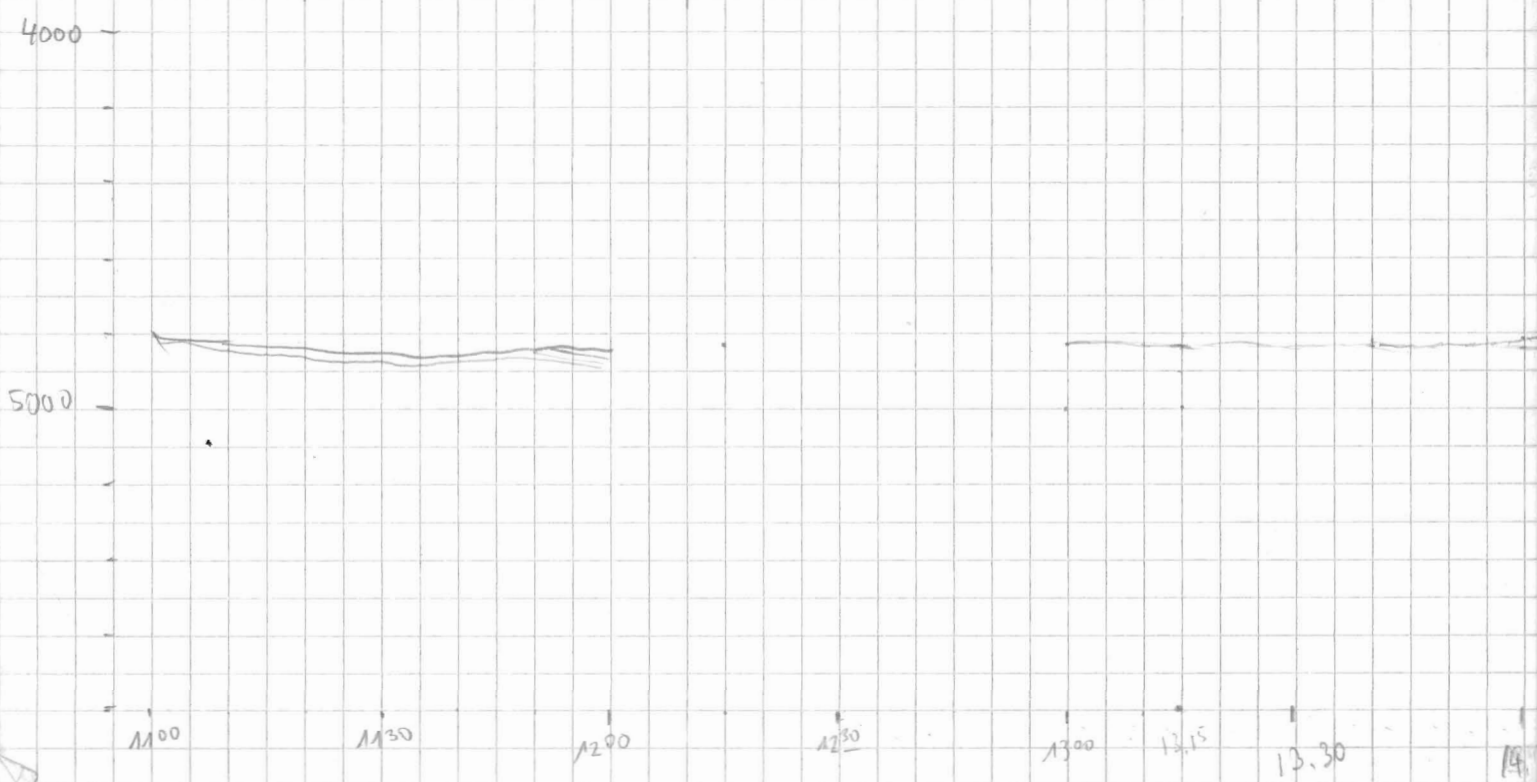
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DATUM UTC	UHRZEIT UTC	TIEFE PS	TIEFE MS	GEOGRAPHISCHE		SPEED [km]	KURS	WACH GÄNGER
				BREITE (LAT)	LÄNGE (LONG)			
31.03.91	015	4178	4200	35° 54.139 S	17° 02.808 E	13.1	210.6	KRÜGER
	030	4250	4268	35° 56.995 S	17° 00.891 E	13.4	206.7	"
	045	4302	4327	36° 00.724 S	16° 58.863 E	12.1	208.3	"
	000	4322	4358	36° 03.431 S	16° 56.999 E	12.3	206.3	"
	145	4351	4397	36° 06.208 S	16° 55.215 E	12.7	207.5	"
	130	4362	4413	36° 09.032 S	16° 53.286 E	11.5	208.7	"
	148	4362	4410	36° 11.647 S	16° 51.701 E	12.5	207.6	"
	200	4364	4422	36° 14.358 S	16° 49.784 E	12.4	206.7	"
	215	4361	4411	36° 16.662 S	16° 48.232 E	12.5	210.1	"
	230	4392	4451	36° 19.063 S	16° 46.444 E	12.6	206.7	"
	245	4409	4465	36° 21.804 S	16° 44.487 E	12.1	211.8	"
	300	4422	4471	36° 24.394 S	16° 42.605 E	12.5	205.9	"
	315	4430	4483	36° 27.187 S	16° 40.648 E	12.1	208.3	"
	330	4448	4497	36° 29.869 S	16° 38.554 E	12.6	207.6	"
	430	4524	4591	36° 41.257 S	16° 29.977 E	13.1	204.8	ROLLA
	445	4528	4587	36° 43.718 S	16° 28.518 E	12.8	203.2	"
	500	4528	4597	36° 46.729	16° 26.881 E	12.9	203.5	"
	515	4545	4614	36° 49.529	16° 25.204	12.6	204.0	"
	530	4551	4623	36° 52.617	16° 23.572	13.3	202.9	"
	545	4561	4620	36° 55.249	16° 22.037	12.9	206.2	"
	600	4576	4644	36° 57.870	16° 20.319	12.8	207.6	"
	615	4595	4667	37° 02.054	16° 18.118	13.5	214.0	"
	630	4600	4667	37° 03.578	16° 16.835	13.0	214.5	"
	645	4607	4665	37° 06.456	16° 14.417	12.8	210.8	"
	700	4616	4675	37° 09.269	16° 12.327	13.0	206.8	"
	716	4628	4685	37° 12.330	16° 10.244	13.4	205.5	"
	730							
	745							
	800							
	815							
	830	4676	4722	37° 26.827	16° 01.660	13.2	210.3	"
	845	4681	4726	37° 28.641	16° 00.411	12.7	208.5	"
	900	4698	4754	37° 32.351	15° 57.284	13.4	212.4	"



FRE QUENZ	RUNS LANGE	RANGE	SCALE	MODE	SIG	FREQ [kHz]	TIME [ms]	WRITE ZEIT	DATA RED	HAND SHAKE	MESS MODUS	BEMERKUNG
4	4	5000	200	4	S	400	266	10	2	0	1	
												Plot ausgefallen, Fehler beheben.
												Backup Nr. 001 / 002
4	4	10000	200	4	S	40	266	10	2	0	1	
									5			

DATUM UTC	UHRZEIT UTC	TIEFE DS	TIEFE HS	GEOGRAPHISCHE BREITE (LÄN) LÄNGE		SPEED [kn]	KURS	WACH GÄNGER
31.3.91	9:24	4713	4761	37° 36.656'S	15° 54.182'E	12.7	2104.6	KRÜGER
	9:40	4727	4761 (0)	37° 39.793'S	15° 52.401'E	13.0	207.2	KRÜGER
	10:00	4760	4818	37° 43.532'S	15° 49.613'E	12.8	209.2	"
	10:30							
	10:45	4775	4860	37° 51.473'S	15° 44.466'E	13.2	210.0	
	11:00	4807	4901	37° 54.253'S	15° 42.467'E	12.5	209.8	
	11:30	4810	4880	38° 00.375'S	15° 38.295'E	12.9	209.7	Pelzer
	11:45	4816	4801	38° 03.093'S	15° 36.716'E	12.5	208.8	"
	12:01	4828	4900	38° 06.134'S	15° 34.661'E	11.6	208.2	"
	12:15	4841	4936	38° 08.604'S	15° 32.872'E	12.2	209.3	"
	12:30	4844	4918	38° 12.385'S	15° 29.854'E	12.4	207.1	"
	13:00	4833	4904	38° 16.958'S	15° 27.485'E	12.7	205.4	"
	13:15	4835	4915	38° 19.997'S	15° 25.657'E	12.0	205.8	H. Knappe
	13:30	4837	4925	38° 22.415'S	15° 24.122'E	11.4	208.7	"
	13:45	4827	4907	38° 25.365'S	15° 21.803'E	11.5	210.7	"
	14:00	4819	4895	38° 27.598'S	15° 20.533'E	11.3	205.7	"
	14:16	4802	4879	38° 30.327'S	15° 18.003'E	12.5	207.3	"
	14:31	4807	4880	38° 32.766'S	15° 16.066'E	12.1	208.9	"
	14:46	4795	4863	38° 35.555'S	15° 14.155'E	12.0	205.9	"
	14:59	4799	4868	38° 37.597'S	15° 12.901'E	11.7	203.0	"
	15:15	4801	4872	38° 40.253'S	15° 11.183'E	11.8	207.6	Schmitt
	15:30	4793	4861	38° 42.840'S	15° 09.750'E	11.6	210.4	"
	15:45	4780	4849	38° 45.479'S	15° 08.076'E	11.5	201.6	"
	16:00	4767	* 4838	38° 48.205'S	15° 06.222'E	12.0	210.0	"
	16:15	4790	* 4838	38° 50.698'S	15° 04.124'E	12.0	215.9	"
	16:30	4768	* 4838	38° 53.177'S	15° 02.118'E	11.4	211.2	"
	16:45	4750	* 4838	38° 55.906'S	15° 00.295'E	12.0	206.9	"
	17:00	4733	* 4838	38° 58.406'S	14° 58.572'E	11.7	207.5	Red 104
	17:15	4718	* 4838	39° 01.820'S	14° 56.272'E	11.6	208.3	"
	17:30	4709	* 4828	39° 03.506'S	14° 55.092'E	11.2	209.6	Schmitt



FRE QUEZ	PALS	RANGE	SCALE	MODE	SIG	FRQ [kHz]	TIME [ms]	WART ZEIT	DATA RED	HAND SHAKE	MESS MODUS
4	4	10000	200	4	5	40	266	10	5	0	1
4	4	10000	200	4	5	40	266	10	4	0	1

BEHMERKUNG

Osterausstriche von
Karpfen!

RANGE kurzzeitig 3, dann 4



Error Meldung (Überlagerung?)

Fehler noch gegeben

(File E:\03311429.PSS)
E:\03311459.PSS)

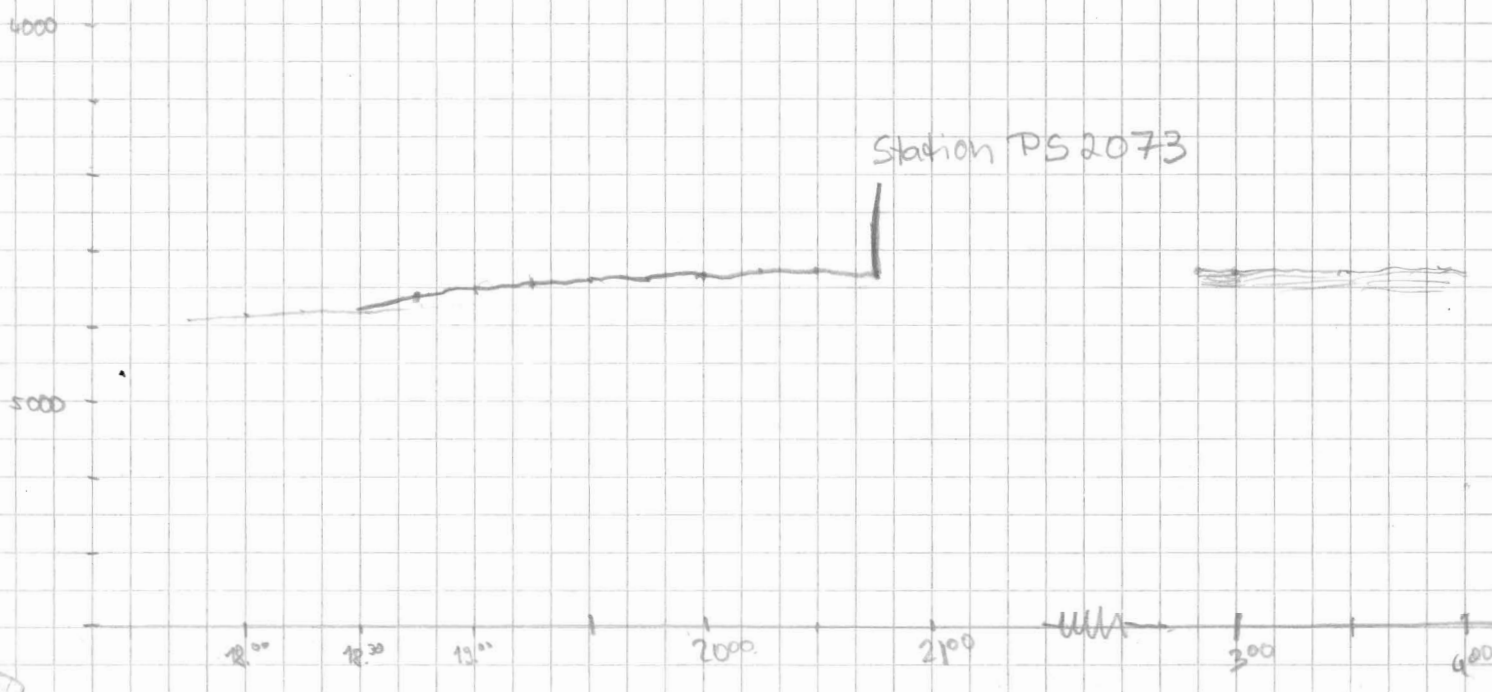
File F: 103311628 PSS

5

DATUM UTC	ZEIT UTC	TIEFE DS	TIEFE HS	GEOGRAPHISCHE BREITE LÄNGE		STRECKE I km	KURS	WACHGÄNGER
31.3.91	17 ⁴⁵	4693	+ 4838	39° 06.367	14° 53.265	11.4	208.0	Schiffmülle
	18 ⁰⁰	4681	+ 4838	39° 08.880	14° 51.495	11.6	209.3	"
	18 ¹⁵	4672	+ 4838	39° 11.546	14° 49.482	12.0	208.8	"
	18 ³⁰	4665	+ 4838	39° 14.117	14° 47.761	12.1	205.2	"
	18 ⁴⁵	4656	+ 4838	39° 16.045	14° 45.823	11.9	208.9	"
	19 ⁰⁰	4650	+ 4838	39° 18.764	14° 44.382	12.0	204.0	"
	19 ¹⁵	4645	/	39° 21.526	14° 42.744	11.8	204.8	PS 2073
	19 ³⁰	4640	/	39° 24.490	14° 40.885	12.2	203.7	"
	19 ⁴⁵	4636	/	39° 26.997	14° 39.975	12.0	210.7	"
	20 ⁰⁰	4630	/	39° 26.493	14° 37.106	12.0	212.7	"
	20 ¹⁵	4625	/	39° 32.035	14° 34.915	12.2	186.6	"
	20 ³⁰	4625	/	39° 34.313	14° 33.955	5.1	214.4	"
	20 ⁴⁵	4624	/	39° 34.904	14° 33.352	1.9	182.7	"

1.04.91 0³¹ SL am Grund

2 ⁴⁸	4636	4705	39° 36.196S	14° 35.734E	0.9	148.8	KRÜGER	
2 ⁵⁸	4636	4706	39° 36.335S	14° 35.786E	2.6	213.8		
3 ¹⁰	4638	4734	39° 37.026S	14° 33.604E	10.8	221.0		
3 ¹⁵	4638	4705	39° 37.654S	14° 32.910E	10.5	223.8		
3 ¹⁶	4635	4708	39° 37.753S	14° 32.811E	10.6	224.1		
3 ¹⁸	4637	4709	39° 37.957S	14° 32.555E	10.8	223.4		
3 ²⁰	4636	4707	39° 38.180S	14° 32.370E	10.2	223.6		
3 ²³	4638	4706	39° 38.424S	14° 32.036E	9.0	223.1		
3 ²⁵	4638	4710	39° 38.641S	14° 31.771E	8.6	224.4		
3 ²⁷	4637	4710	39° 38.854S	14° 31.498E	7.6	227.8		
3 ²⁰	4637	4714	39° 38.980S	14° 31.321E	6.3	225.5		
3 ³⁵	4636	4713	39° 39.325S	14° 30.841E	6.3	230.4		
3 ⁴⁰	4637	4715	39° 39.397S	14° 30.811E	2.5	209.6		
3 ⁴²	4638	4721	39° 39.454S	14° 30.771E	1.9	202.7		
3 ⁴⁵	4638	4712	39° 39.478S	14° 30.816E	1.1	175.3		
3 ⁴⁸	4640	4717	39° 39.471S	14° 30.892E	0.8	144.9		
3 ⁵⁰	4639	4722	39° 39.492S	14° 30.923E	0.8	11.6		
4 ⁰⁰	4641	4725	39° 39.517S	14° 31.040E	0.4	108.1	VONHOF	
4:25	Daten sind aus auf Stationen Kopfen							
5:10	STATION	PS 2074	BEENDET					



FRQ PULS RANGE SCALE MODE SIG FRQ TIME WARD DATA HAND MESS

ZEMERKUNG

4 4 10000 200 4 5 40 266 10 5 0 1

100

Station PS 2073
Speichern + Drucker aus

Backup Nr. 023

4 4 10000 100 4 5 40 266 10 5 0 1
4 4 10000 200 4 5 40 266 10 5 0 1
200
100

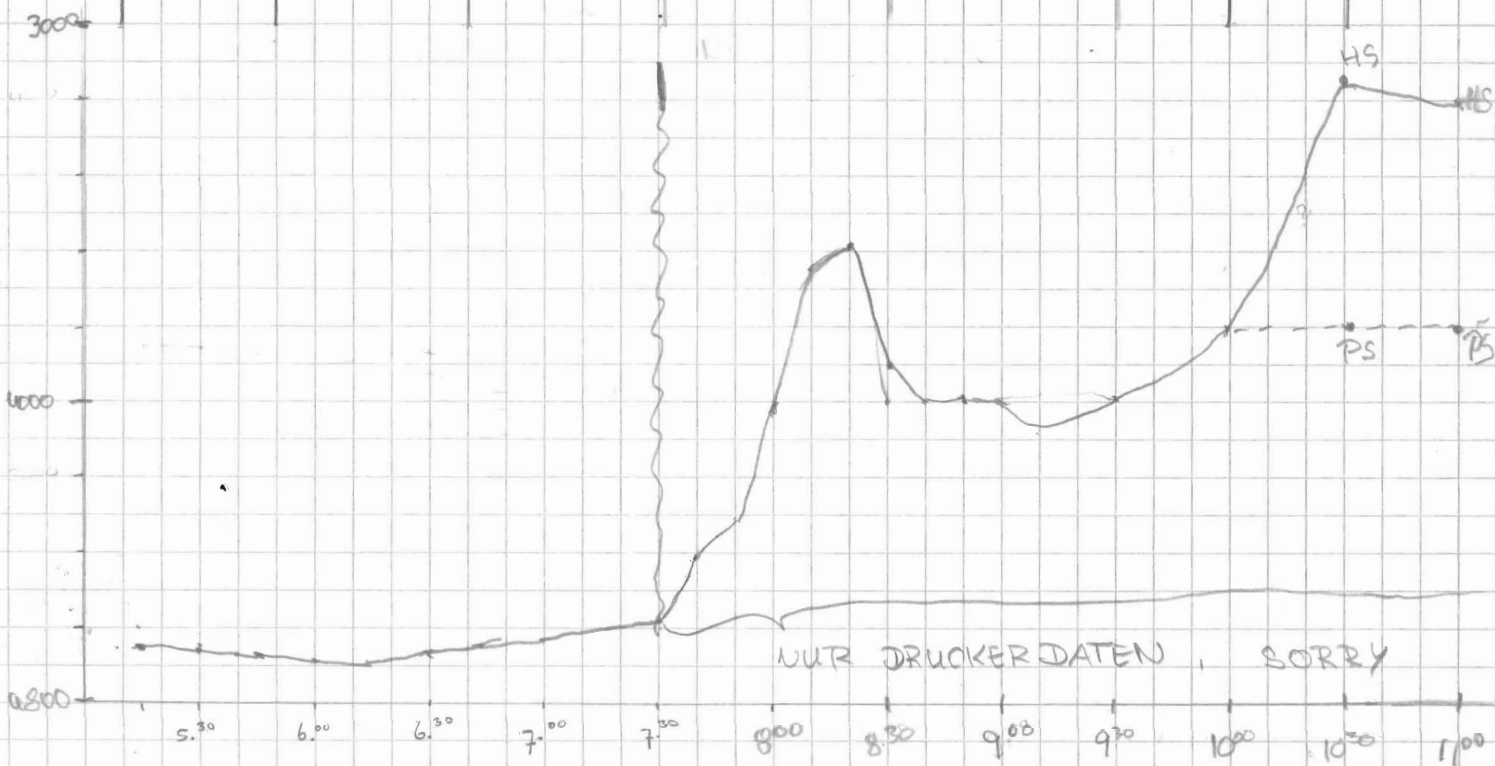
Konventionell, zwischen
ausdr. lief Paradigma
kurzzeitig.
2.58 Stationsende
Drucker läuft nicht

4 4 10000 100 4 5 40 266 10 5 0 1

Station PS 2074
4.08 Paradigma
aus
4.25 SL an Grund

DATUM UTC	ZEIT UTC	TIEFE PS	TIEFE HS	BREITE	LÄNGE	SPEED [kn]	KURS	WACH GÄNGER
1-4ig	5.15	4654	4732	39° 39 796 S	14° 31 579 E	3.4	201.0	VORHOF
	5.30	4657	4685	39° 41.573 S	14° 29 695 E	9.8	213.8	"
	5.45	4674	4693	39° 44.236 S	14° 27.812 E	13.0	206.8	"
	6.00	4690	4714	39° 47 569 S	14° 26 274 E	12.5	209.5	Reduktion
	6.15	4698	4721	39° 50 356 S	14° 24 194 E	12.7	210.4	"
	6.30	4664	4702	39° 52 849 S	14° 22 347 E	12.9	209.2	"
	6.45	4651	4669	39° 55 314 S	14° 20 664 E	13.2	206.4	"
	7.00	4645	4665	39° 58 138 S	14 17 685 E	12.6	208.6	"
	7.15	4634	4661	40° 00 171 S	14° 17 142 E	13.3	204.4	"
	7.30	4591	4613	40 03 253 S	14° 15 100	12.5	206.2	"

11.45	3098	3084	40 48 238	13 44 750	6.6	214.6	PS/HS /
12.00	3106	3092	40 48 019	13 44 849	3.0	321.7	KÜGER
12.20	3100.6	3097	40° 48 188 S	13° 44.788 E	0.9	280.7	
12.30	3112.7	3106	40° 48.131 S	13° 44.626 E	0.4	292.9	
13.30	3298	3324	41° 26.385 S	13° 06.091 E	9.0		
15.30							



FRQ	TUS	RANGE	SCALE	MODE	SIG	FRQ	TIME	WART. ZEIT	DATA REJ	HAND SHAKE	MEAS MODUS
4	4	10.000	200	4	S	40	266	10	5	0	1
4	4	10.000	200	4	S	40	266	10	5	0	1

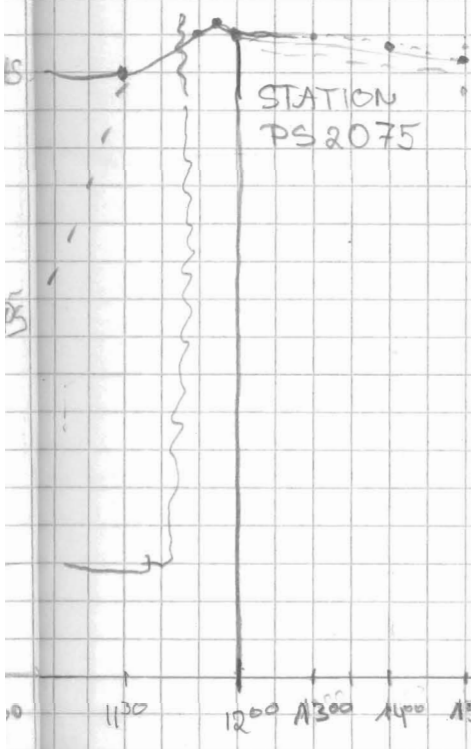
S. 55 GAIN 5 → 6

4

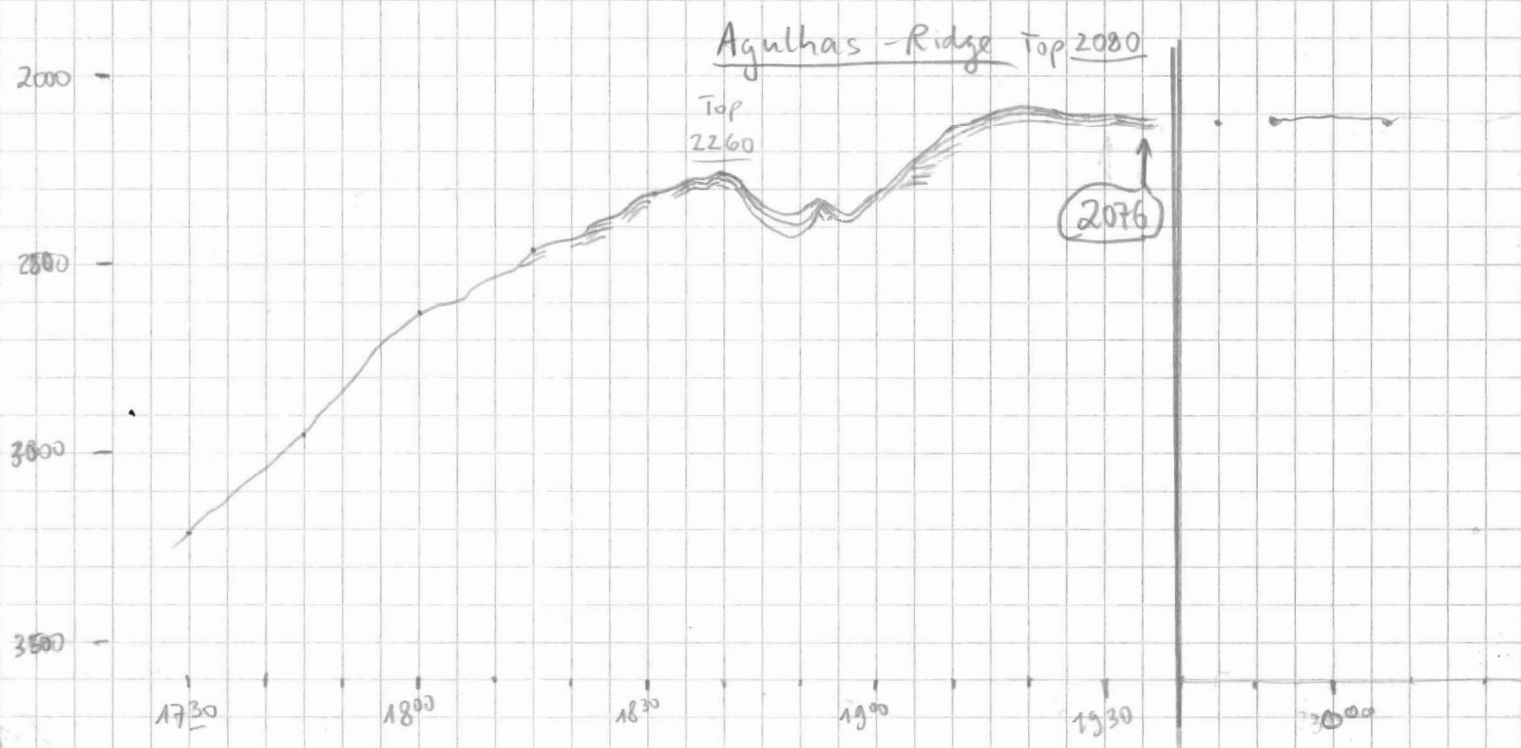
4	4	5000	200	4	S	40	266	10	5	0	1
			100						0		

Paradigma angeschlossen,
 das zu unruhig
 keine Aufzeichnung auf
 Papier, Fehlerquelle
 wird gesucht.
 Aufzeichnung langsam mit
 Drucker.
 09.45 Aek Rolle weg
 10⁰⁰: Neue Rolle

Station PS 2075
 1) MUC
 2) MUC (WDH)
 MUC

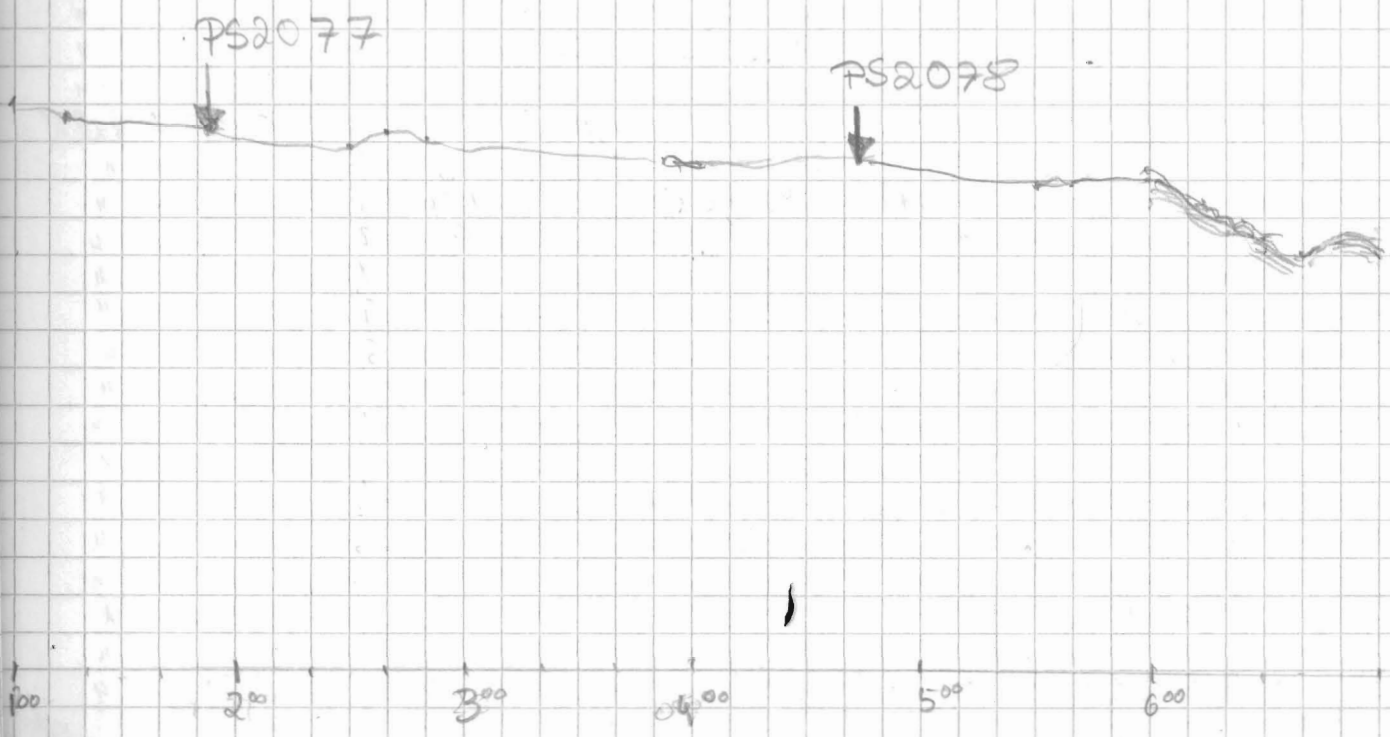


Datum	Zeit UTC	Tiefe Pt	Tiefe Hs	Breite	Länge	Speed [Kn]	Kurs	Wachgänger/in
01.04.91	17 ³⁰	2202	2209	40°50.543	13°41.327	8.8	206.6	Rehder
	17 ⁴⁵	2944	2941	40°53.177	13°40.819	11.3	198.4	"
	18 ⁰⁰	2624	2633	40°55.658	13°38.838	10.0	204.2	Schmitt
	18 ¹⁵	2468	2471	40°58.265	13°38.105	10.2	207.6	"
	18 ³³	2304	2299	41°00.395	13°34.929	9.5	208.5	Prehn
	18 ⁴⁰	2303	2294	41°02.112	13°33.838	10.2	205.7	"
	19 ⁰⁰	2303	2304	41°04.231	13°32.473	9.4	206.0	"
	19 ¹⁵	2104	2099	41°06.446	13°31.081	9.3	209.4	"
	19 ³⁰	2087	2079	41°08.021	13°29.326	5.5	227.6	"
	1.04.91	23.46	2129		41°08.632	13°27.429		
2.04.91	00.16	2132		41°08.786	13°27.684			
2.04.91	01.53	2181	2168	41°09.947	13°27.906			Vonhof
"	02.33	2209.4	2207	41°10.459	13°26.878	7.9	143.2	Vonhof
"	02.45	2175.1	2167	41°10.941	13°27.426	1.1	144.6	"
"	02.51	2190.1	2192	41°10.922	13°27.411	0.9	322.4	"
"	03.53	2217.2	2217	41°11.837	13°26.750	4.7	157.0	"
"	04.00	2249.5	2243	41°12.256	13°26.965	4.1	163.5	"
"	04.10	2268.7	2268	41°12.574	13°26.897	0.8	001.6	"
"	04.20	2243.1	2236	41°12.123	13°26.790	0.2	250.4	"
"	04.44	2259.5	2252	41°12.219	13°26.390	0.8	235	"
"	05.33	2315.5	2307	41°12.663	13°25.630	3.4	206.8	"
"	05.50	2310.5	2304	41°14.105	13°23.564	8.0	231.2	"
"	06.00	2305	2294	41°15.1195	13°21.808E	7.8	231.6	Kröger
"	06 ¹⁵	2339	2340	41°16.1935	13°19.921E	8.0	231.2	
"	6 ³⁰	2455	2448	41°17.3695	13°17.885E	8.0	236.7	
"	6 ⁴⁸	2490	2492	41°18.1875	13°16.362E	7.6	241.6	
"	7 ⁰⁰	2489	2477	41°19.5995	13°13.735E	7.7	235.1	
"	7 ¹⁰	2681	2613	41°20.3485	13°12.456E	6.7	233.5	
"	7 ³²	2778	2816	41°22.0805	13°09.451E	7.7	229.9	



FRQ	PULSE	RANGE	SCALE	MODE	SIG	FRQ	TIME	Work zeit	Data Recl.	Hand shakic	Meß mod
4	4	5000	200	4	S	40	266	10	4	0	1
4	4	5000	100	4	S	40	266	10	0	0	1
"	"	"	"	"	"	"	"	"	"	"	"
"	"	"	200 200	"	"	"	"	"	"	"	"
4	4	5000	200	4	S	40	266	10	0	0	1
"	"	"	"	"	"	"	"	"	"	"	"
4	4	5000	200	4	S	40	266	10	2	0	1

Paper speed of 5000
 1036 Beidrehen Station 2076
 FREQUENZTEST ANFANG
 " (AWI 2076) ENDE
 KOL AN BODEN AWI 2077
 SPEICHERUNG GESTARTET
 Backup Nr. 204
 SPEICHERUNG AUSGESCHALTET
 SPEICHERUNG ANGESCHALTET
 SPEICHERUNG AUSGESCHALTET
 SCHWEL. AN BODEN (2078)
 SPEICHERUNG ANGESCHALTET



DATUM	ZEIT UTC	TIEFE PS	TIEFE HS	BREITE	LÄNGE	SPEED	KURS	WACHGÄNGER
02.04.91	7 ⁴⁰	2923	2926	41° 22.692 S	13° 08.464 E	7.0	265.5	KRÜGER
	8 ⁰⁰	2927	2967	41° 23.974	13° 06.381	6.8	224.8	Rehder
	8 ¹⁰	2971	2958	41° 24.370 S	13° 05.624 E	3.5	280.3	"
	8 ¹⁵	2971	2974	41° 24.407 S	13° 05.705 E	1.2	312.8	"
	8 ⁵³	2932	2991	41° 24.515 S	13° 05.196 E	0.7	258.6	"
	10 ³³	3020	3018	41° 24.286	13° 06.162	0.6	179.3	"
	11 ⁴²	3009	3020	41° 24.234	13° 06.676	2.9	129.6	"
	12.19	3007	3010	41° 24.230	13° 06.697	0.9	121.8	Michael K.
	13.02	3007	3016	41° 24.274 S	13° 06.610 E	0.5	135	Tamara
	13.13							
	13 ²⁰	3020*(?)	3091	41° 24.828 S	13° 06.593 E	4.0	186.6	
	13 ³⁰	3297	3325	41° 26.410 S	13° 06.077 E	8.9	192.7	
	13 ⁴⁵	3773	3824	41° 28.578 S	13° 05.453 E	9.0	188.5	
	13 ⁵⁰	3952	4075	41°				
	14 ⁰²	4705	4757	41°				
	14 ²⁰	4703	4773	41° 33.997 S	13° 04.445 E	9.1	188.7	
	14 ³²	4751	4886	41° 35.798 S	13° 04.145 E	9.1	187.1	
	14 ⁴⁷	4904	5013	41° 38.160 S	13° 03.785 E	8.8	189.5	
	14 ⁵⁶	5001	5057	41° 39.335 S	13° 03.371 E	8.8	189.2	
	15 ⁰⁴	5003	5068	41° 40.555 S	13° 03.331 E	9.7	185.6	
	15 ²³	5002	5079	41° 43.405 S	13° 03.205 E	7.5	145.6	
	15 ³⁰	5002	5077	41° 43.246 S	13° 03.272 E	6.5	318.6	
	15 ⁴¹	5001	5082	41° 42.913 S	13° 02.225 E	9.8	217.5	Rehder
	16 ⁰²	5004	5079	41° 42.876 S	13° 02.242 E	1.5	128.8	"
	17.21	5047	5079	41° 43.010 S	13° 02.788 E	0.8	283.0	Schmitt
	18 ¹³	5048	5080	41° 43.047	13° 02.323	0.2	169.6	Rehder
	18 ²⁷	5048	5076	41° 42.992	13° 02.186			
	18 ³⁸	5048	5088	41° 42.961 S	13° 02.153 E	0.4	321	
	18 ⁴⁶							

→ Skaler zurück laut → keine Störung mehr

3000	18 ⁵³	5048	5081	41° 43.193	13° 01.918	5.8	210.8	
	19 ⁰⁰	5055	5081	41° 43.203	13° 01.281	9.1	211.1	Schmitt
	19 ¹⁷	5057	5083	41° 46.035	13° 59.584	8.7	209.9	"
	19 ²²	4848	4924	41° 47.956	13° 58.133	8.2	211.6	"
	19 ⁴⁵	4174	4310	41° 49.476	13° 57.004	8.4	211.3	"
	20 ⁰⁰	2648	2734	41° 51.191	13° 55.563	8.3	211.1	"
	20 ¹⁷	2454	3070	41° 53.204	13° 53.874	8.1	209.0	"
	20 ²⁸	2019	2788	41° 54.409	13° 52.897	7.8	210.3	"
	20 ⁴⁶	3203	2983	41° 56.534	12° 51.173	7.5	210.8	Michael K.
	21.02	3078	3445	41° 58.236	12° 49.718	7.6	210.1	"
	21.16	2918	3641	41° 59.697 S	12° 48.439	7.2	212.6	"
4000	21.34	2841	3157	42° 01.570	12° 46.800	7.0	212.2	"
	21.45	2812	3664	42° 02.748	12° 45.789	7.4	212.7	"
	22.04	2839	3978	42° 04.672	12° 44.160	7.9	216.2	"
	22.17	2575	4039	42° 05.927	12° 42.943	6.8	215.0	"
	22.30	2550	4209	42° 07.123	12° 41.783	6.8	212.2	"
	22.45	3840	4228	42° 08.202	12° 40.805	7.4	212.4	"
	23.00	3640	3729	42° 10.119	12° 39.373	6.9	209.2	"
	23.17	2690	4162	42° 11.842	12° 37.975	6.5	245.0	"
	23.30	4323	4358	42° 13.108	12° 36.749	6.9	213.1	"
	23.45	4360	4353	42° 14.523	12° 35.464	6.0	208.9	"
5000	3.4.91 00.05	4548	4560	42° 16.501	12° 33.624	6.7	214.6	"
	00.15	4540	4555	42° 17.401	12° 32.809	6.9	214.5	"
	00.30	4491	4533	42° 18.602	12° 31.735	5.9	210	"

600 800 1000 1100 1200 1300 1400 1500 1600 1700

TRQ	BASE	RANGE	SCALE	MODE	SIG	TRQ	TIME (MS)	WAVE	Z	H	M
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4	4	5000	200	4	5	40	266	10	2	0	1
---	---	------	-----	---	---	----	-----	----	---	---	---

ant Station 2079
 41°24.2' S, 17°05.7' E
 1) MUC
 MUC AM BODEN

SL an Boden
 Kasten großer Ausmaß
 Kasten größer an Boden
 Kastenreife obere
 Station wurde

4	4	5000	200	4	5	40	266	10	0	0	1
			200								
			260								
			500								
		10000	200								

Paraffin in Zehris
 (Paraffin Abgang)

→ Tiefenplot OK, Tiefen-
 angabe vollkommene
 falsch

100
 200
 100

40

10 50

Plot wird wieder schlecht
 bei Abbremsen des
 Schiffes.

ant Position 2080
 MUC AM BODEN
 MUC an den Wasser
 Planktonnetz

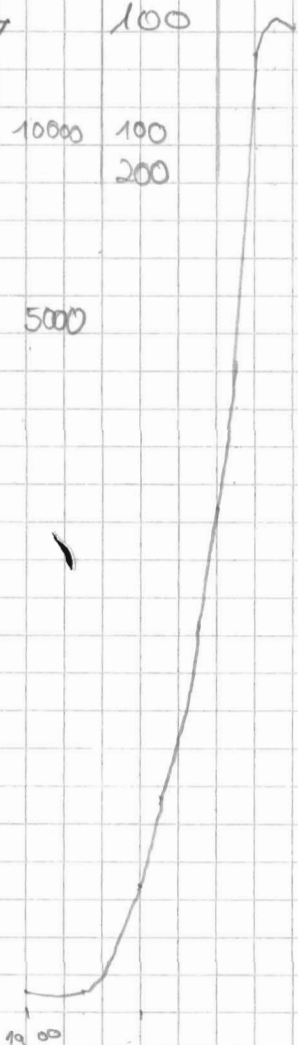
"Shalender": Besetzte
 Störung durch überhöhte
 Verfüllung
 Station Ende



4	4	10000	100	5	40	266	10	4	0	1
			200							

} starker Anstieg

5000

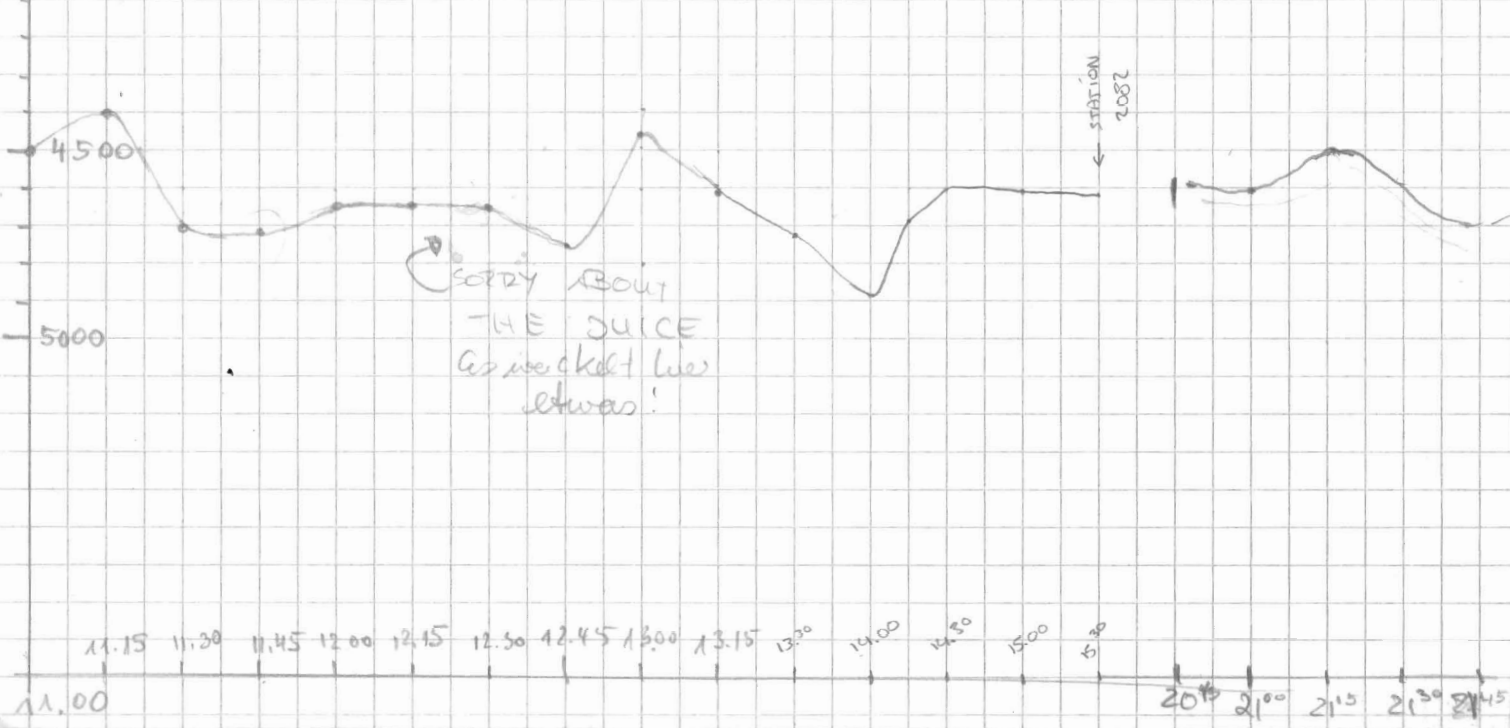


Runtime Error 6422
 beim Schließen von Record
 614, Länge 123

Datum	Zeit UTC	Tiefe PS	Tiefe M.S	• Breite	Länge	Speed	Kurs	Wachtgänger
3. 4. 91	01:02:33	4561	4600	42° 21, 476,5	12° 28, 904	7,2	212, 3	Schlacht
	01:22:07	4610	4626	42° 23, 280	12° 27, 224	6,7	213, 1	"
	01:30	4560	4610	24, 404	26, 598	7,2	212, 3	"
	01:48	4523	4580	26, 231	25, 054	7,0	212, 0	"
	02:00	4520	4546	27, 379	24, 054	6,8	212	"
	2:20	4534	4560	29, 422	22, 167	7,1	213	"
	2:46	4602	4632	42° 31, 860	12° 19, 860	6,9	212	"
	3:01	4789	4781	33, 512	18, 36	7,0	213	"
	3:15	4730	4782	35, 142	17, 053	7,7	209	"
	3:31	4778	4811	36, 977	15, 576	7,3	213	"
	3:50	?	4819	39, 035	13, 699	7,4	211	"
	4:15	4685	4777	40° 41 513	10° 11 309	5,1	201 2	Scheitner
	4:37	4679	4794	40° 41 619	10° 11 487	0,5	91 0	"
	4:49	4680	4799	40° 41 598	10° 11 444	0,4	103 6	"
	5:15	4680	4797	40° 41 559	10° 11 349	0,2	85 8	"
5:30	4680	4793	40° 41 545	10° 11 500	0,2	354 9	"	
7:52	4719	4798	40° 41 747	10° 11 384	0,6	301 4	"	
9:00	4704	4799	42° 41 601	12° 11 155 E	1,6	333,6	ROTOR	
10 ⁰⁰	4768		42° 41, 0735	12° 11, 353 E		205,4	"	
10 ²²	4782		42° 41, 7775	12° 10, 441 E			"	
10 ⁴⁵	4647	4654	42° 42 211	12° 09 322 E	8,8	207,7	"	

Datum	Zeit UTC	Tiefe PS	Tiefe HS	Breite	Länge	Speed [Kn]	Kurs	Wache
3.4.91	11:00	4502	4611	42°45.317S	12°07.914E	8.4	200.0	Reid
	11:15	4402	4515	42°47.241S	12°06.526E	8.3	206.1	"
	11:30	4707	4737	42°49.472	12°04.643	8.6	212.1	"
	11:45	4707	4737	42°51.730S	12°03.016E	8.1	212.5	"
	12:02	4649	4665	42°52.882	12°01.686	8.7	212.4	Michael K
	12:15	4657	4713	42°54.457	12°00.306	8.7	213.8	"
	12:30	4653	4696	42°56.269	11°58.752	8.7	212.2	"
	12:45	4660	4551	42°58.023	11°57.165	8.5	213.5	"
	13:00	4463	4582	42°59.648	11°55.742	7.3	211.0	"
	13:15	4603	4703	43°01.273	11°54.305	8.1	214.0	"
	13:33	4622	4727	43°03.414	11°52.383	8.3	214.3	"
	13:45	4804	4928	43°04.467S	11°51.406E	7.7	215.0	Reid
	14:00	4704	4822	43°06.360S	11°49.681E	7.9	212.6	"
	14:15	4683	4681	43°07.929S	11°48.319E	7.8	213.9	Vonhoff
	14:30	4603	4599	43°09.660	11°46.948	8.6	209.6	"
	14:45	4506	4613	43°11.294	11°45.652	8.0	209.6	"
	14:57							"
	15:00	4552.0	4612	43°12.991S	11°43.394	7.2	202.0	"
	15:15	4551.0	4621	43°13.43S	11°43.524	5.0	332	"
	15:30	4603.0	4626	43°13.183	11°43.812	1.4	111.0	"
	16:03	4604	4615	43°13.208	11°44.320	0.7	19.5	"

PS	Zeit UTC	Tiefe PS	Tiefe HS	Breite	Länge	Speed [Kn]	Kurs	Wache
	18:53	4607.0	4625	43°13.006	11°45.51	0.8	121.8	Reid
	20:50	4600	4619	43°14.133S	11°41.596E	7.5	241.9	Tor
3000	21:00	4604	4617	43°14.712S	11°40.227E	5.9	234.91	
	21:22	4505	4517	43°15.997S	11°37.225E	6.4	237.0	
	21:41	4703	4755	43°17.144S	11°34.699E	7.5	240.9	
	21:50	4675	4701	43°17.627S	11°33.473E	7.0	244.6	
	22:06	4543	4560	43°18.459S	11°31.287E	6.0	242.9	
3500	22:15	4570	4575	43°18.885S	11°30.163E	6.1	241.4	
	22:45	4640	4632	43°20.769S	11°26.310E	7.0	233.7	
	23:00	4710	4726	43°21.678S	11°24.586E	7.0	235.1	
	23:25	4705	4733	43°23.144S	11°21.529E	5.4	245.1	
	23:35	4806	4864	43°23.421S	11°20.578E	5.5	252.9	
4000	23:42	4866	5058	43°23.596S	11°19.749E	5.4	253.3	



FRQ	PULSE	RANGE	SCALE	MODE	SIS	FRQ	TIME	Wark zeit	Dark Red.	Hand Stab	Maß maß	Bemerkungen
4	4	10000	200	4	S	40	266	10	0	0	1	Übertakt zu Station AWI 2082 43° 13.4 S, 11° 43.5 E

4
0

Boden
reflektor ist weggefallen
reflektor ist wieder zurück
14:52
43° 11.96 S 11° 44.97 E

SPEICHE

± 15.25 SL AUSGESETZT (2082)
SL AN BODEN (2082) 1
Rolle gewechselt
MUT am Boden 2082-2

4	4	10000	200	4	S	40	266	10	0	0	1	Wiederfakt.
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starkes Seegang, Tiden
angaben teilweise
falsch

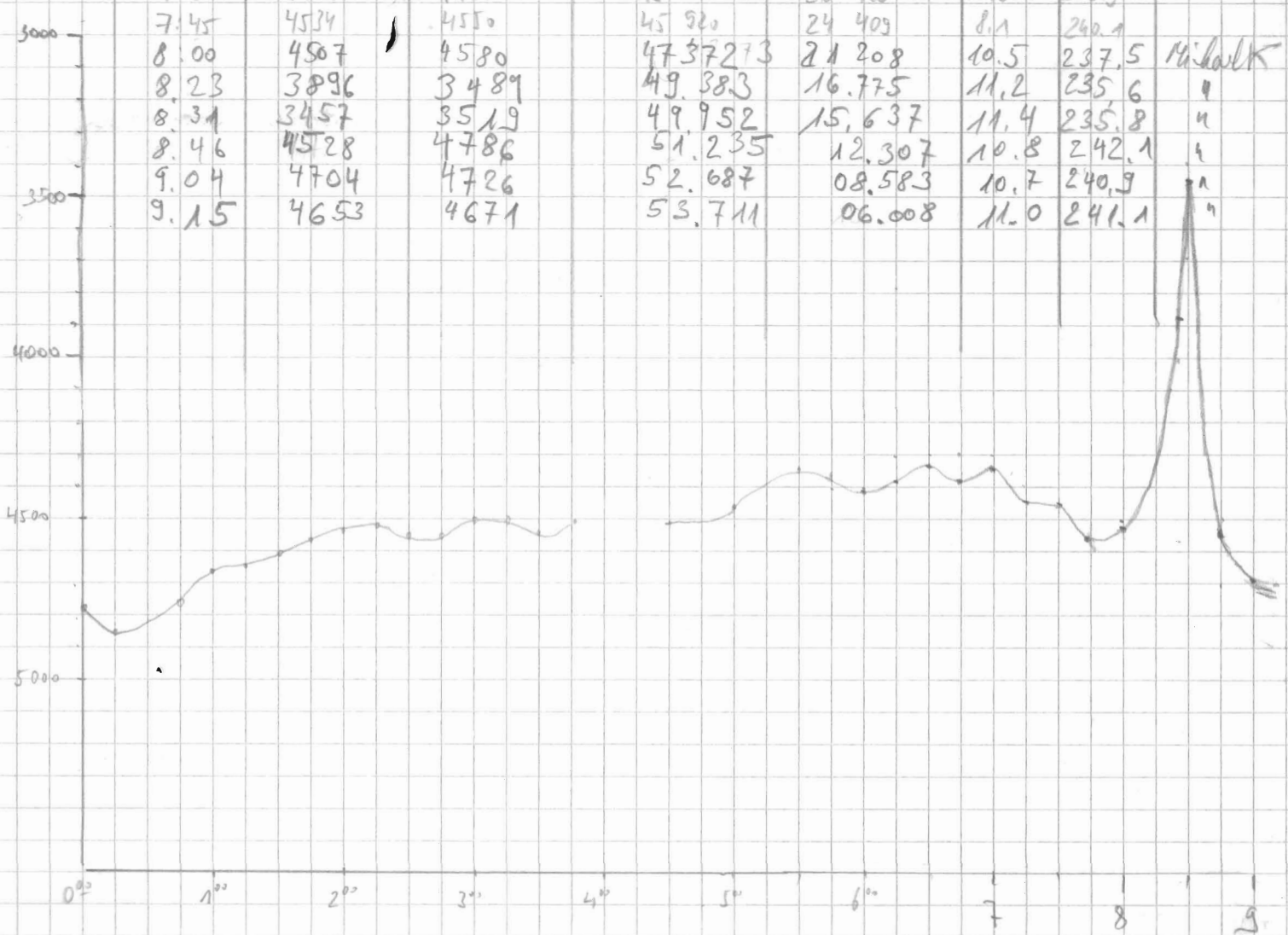
→ Pasadiguer an
Strom starkes Wind
von Sternbad.
Windstärke 10-11
Pasadiguer aus

50
40

500



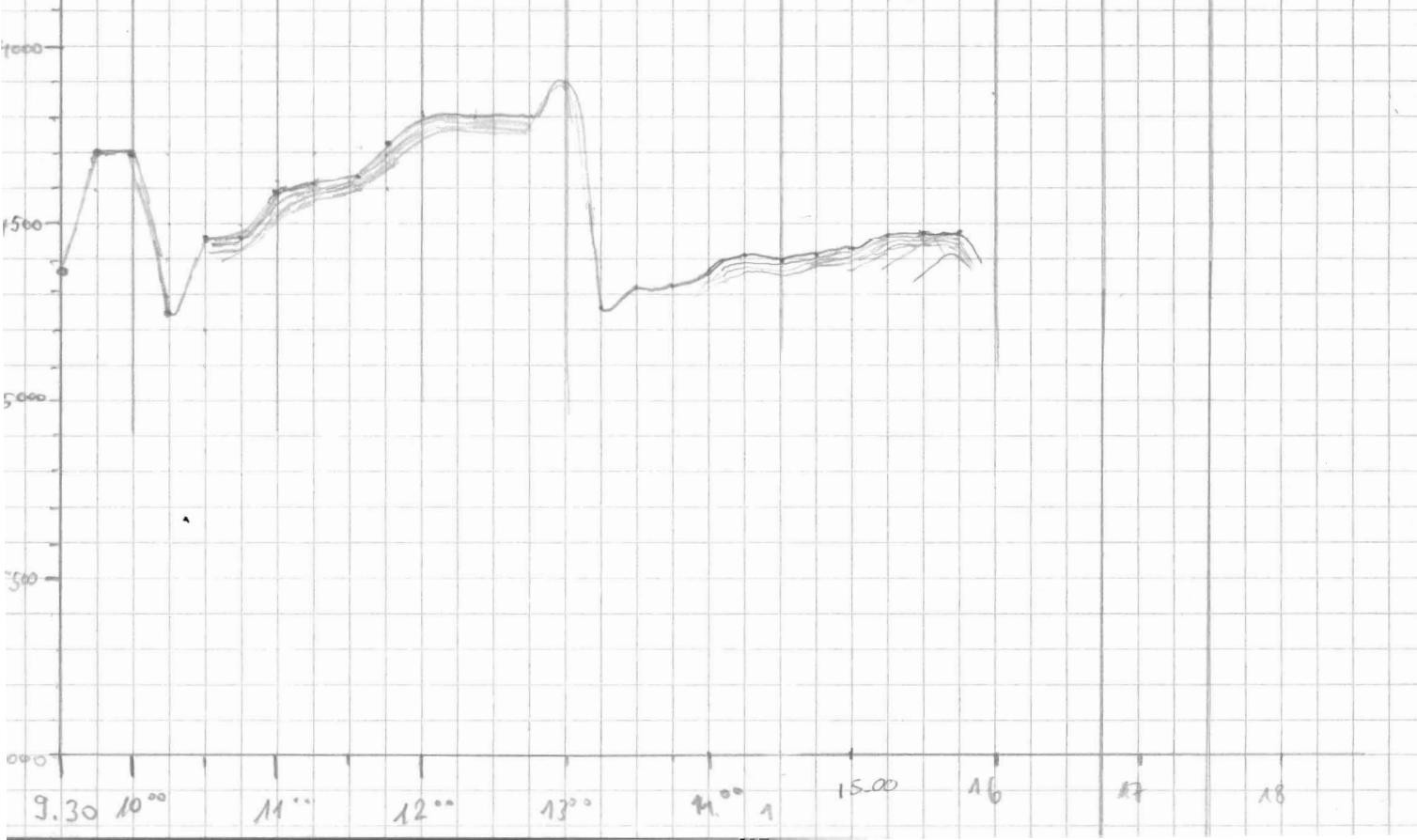
DATUM	ZEIT UTC	TIEFE PS	TIEFE H.S.	BREITE	LÄNGE	SPEED	KURS	WACHT GÄNGER
4.4.91	0:00	4700	4772	43° 24.092'S	11° 18.052'E	4.6	245.3	KRÜGER
	0:15	4829	4853	43° 24.572'S	11° 16.602'E	4.4	243	Schock
	0:45	4714	4738	25.865'S	13.851'E	5.0	248	"
	1:00	4636	4665	26.309'S	12.609'E	3.6	236	"
	1:15	4627	4647	26.847'S	11.329'E	4.0	246	"
	1:31	4571	4594	27.377'S	09.864'E	5.4	245	"
	1:46	4557	4572	27.965'S	08.410'E	4.7	239	"
	2:00	4532	4546	28.458'S	07.193'E	4.9	241	"
	2:15	4499	4512	28.961'S	05.960'E	3.4	239	"
	2:30	4507	4524	29.651'S	04.450'E	5.5	240	"
	2:45	4510	4526	30.198'S	02.861'E	5.1	240	"
	3:00	4521	4506	31.064'S	00.910'E	6.1	239	"
	3:17	4514	4489	43° 31.728'S	10° 59.268'E	5.8	241	"
	3:30	4508	4533	32.307'S	57.768'E	4.9	243	"
	3:45	4519	4506	32.884'S	56.166'E	5.7	241	"
	4:00							
	4:30	4411	4502	43° 35.001 S	10° 51.127 E	6.7	232.8	REINER
	5:00	4451	4462	36.669 S	47.093 E	6.0	240.5	"
	5:30	4422	4474	38.153 S	47.487 E	6.9	236.5	"
	5:45	4417	4458	39.321 S	40.751 E	6.8	240.5	"
	6:00	4410	4418	39.961 S	39.216 E	6.5	240.9	"
	6:15	4355	4408	41.050 S	36.773 E	7.5	227.7	"
	6:30	4333	4411	42.164 S	34.875 E	7.3	243.5	"
	6:45	4351	4457	42.780 S	33.147 E	6.8	244.9	"
	7:00	4352	4480	43.585 S	30.486 E	6.8	242.6	"
	7:15	4451	4471	44.262	28.570 E	7.0	244.2	"
	7:30	4458	4485	45.186	26.105	5.5	230.3	"
	7:45	4534	4550	45.920	24.403	8.1	240.1	"
	8:00	4507	4580	47.37273	21.208	10.5	237.5	Michael
	8:23	3896	3489	49.383	16.775	11.2	235.6	"
	8:34	3457	3519	49.952	15.637	11.4	235.8	"
	8:46	4528	4786	51.235	12.307	10.8	242.1	"
	9:04	4704	4726	52.687	08.583	10.7	240.9	"
	9:15	4653	4671	53.711	06.008	11.0	241.1	"



FQZ	PULSE	RANGE	SCALE	MODE	SIG	TRQ	TIME [msec]	WARTIE ZEIT	DAT RED	HAND SHAKE	MESS MOEUS	BEMERKUNG
4	4	10000	200	4	S	40	266	10	4	0	1	RECHT WINDIG
4	4	10000	200	4	S	40	266	10	4	0	1	
4	4	"	"	"	"	"	"	"	"	"	"	man schaukt so
4	4	"	"	"	"	"	"	"	"	"	"	vor sich hin, aber
4	4	"	"	"	"	"	"	"	0	"	"	nettes Signal.
4	4	"	"	"	"	"	"	"	"	"	"	
4	4	"	"	"	"	"	"	"	"	"	"	
4	4	"	"	"	"	"	"	"	"	"	"	
4	4	"	"	"	"	"	"	"	"	"	"	
4	4	"	"	"	"	"	"	"	"	"	"	
4	4	"	"	"	"	"	"	"	"	"	"	
4	4	"	"	"	"	"	"	"	3	"	"	Platte ist wieder voll
4	4	"	"	"	"	"	"	"	3	"	"	Seismogrammverarbeitung
4	4	"	"	"	"	"	"	"	3	"	"	auf Bildschirm hängt
4	4	"	"	"	"	"	"	"	3	"	"	und HP 3852 not ready
4	4	"	"	"	"	"	"	"	"	"	"	
4	4	"	"	"	"	"	"	"	"	"	"	
4	4	10 000	200	4	S	40	266	10	0	0	1	Backup Nr. 206
									5			
									0			
									5			
									3			
									0			

Seemann

Datum	Zeit UTC	Tiefe PS	Tiefe HS	Breite	Länge	speed	Kurs	Wachtgänger
4.4.11	09:30	4630	4643	43° 55' 02.5	10° 02' 69.1E	10.9	242.0	Michael H
	09:47	4303	4402	56' 40.2	9° 59' 18.2	11.3	238.9	"
	10:02	4304	4751	57' 80.8	58' 76.6	11.3	239.6	"
	10:15	4750	4788	59' 08.0	52' 92.5	9.3	239.0	"
	10:30	4544	4566	44° 06' 39.8	49' 66.5	11.2	239.3	"
	10:45	4531	4637	01' 77.6	46' 40.8	10.4	238.2	"
	11:00	4396	4681	03' 10.7	43' 29.7	9.9	239.3	"
	11:15	4371	4688	04' 57.2	35' 91.4	10.8	240.5	"
	11:36	4394	4681	06' 28.4	35' 39.0	11.0	244.7	"
	11:46	4392	4700	06' 94.4	33' 25.0	10.1	244.6	"
	12:00	4303	4655	08' 23.6	30' 08.8	10.9	238.0	"
	12:15	4303	4625	09' 58.1	27' 12.7	11.0	238.5	John S.
	12:30	4302	4633	10' 9.7	23' 76.5	11.4	240.1	"
	12:45	4502	4505	12' 02.2	19' 08.0	9.5	242.7	Reinhold
	13:00	4206	4296	13' 65.7	17' 27.7	10.8	240.7	"
	13:15	4720	4745	14' 99.4	14' 13.6	10.3	239.1	"
	13:32	4679	4681	16' 24.7	11' 06.1	9.8	242.9	John S.
	13:45	4680	4689	17' 27.1	08' 14.7	10.0	239.8	"
	14:00	4622	4641	18' 42.2	05' 35.1	9.7	241.4	"
	14:15	4590	4606	44° 19' 56.6	02' 36.3	9.4	241.6	VonNOF
	14:30	4605	4627	20' 79.5	8° 59' 20.2	9.6	240.7	"
	14:45	4591	4607	21' 89.4	8° 56' 38.1	9.6	240.5	"
	15:00	4567	4582	22' 88.5	53' 39.3	8.9	243.0	"
	15:15	4536	4549	24' 14.9	50' 42.7	10.0	233.8	"
	15:31	4529	4543	25' 53.9	47' 37.4	9.6	240.6	"
	15:46	4531	4548	26' 20.7	44' 62.8	9.9	236.5	"
	16:33	4303	4341	44° 30' 51.8	8° 35' 35.6	10.6	238.2	"
	16:45	4523	4597	31' 40.1	33' 19.4	9.9	242.3	"
	17:01	4122	4191	32' 80.1	29' 89.7	9.3	238.2	"
	17:15	3804	3868	33' 91.3	27' 20.2	9.6	242	"
	17:30	3845	3988	35' 09.6	24' 19.5	10.7	242.3	"
	17:59	4629	4646	37' 40.9	17' 95.0	10.2	238.8	"



FQZ Pulse Range Scale Mode SIG FRO Time Warte Dpt Hand MESS Bemerkungen
msec Zeit Red S. Modul

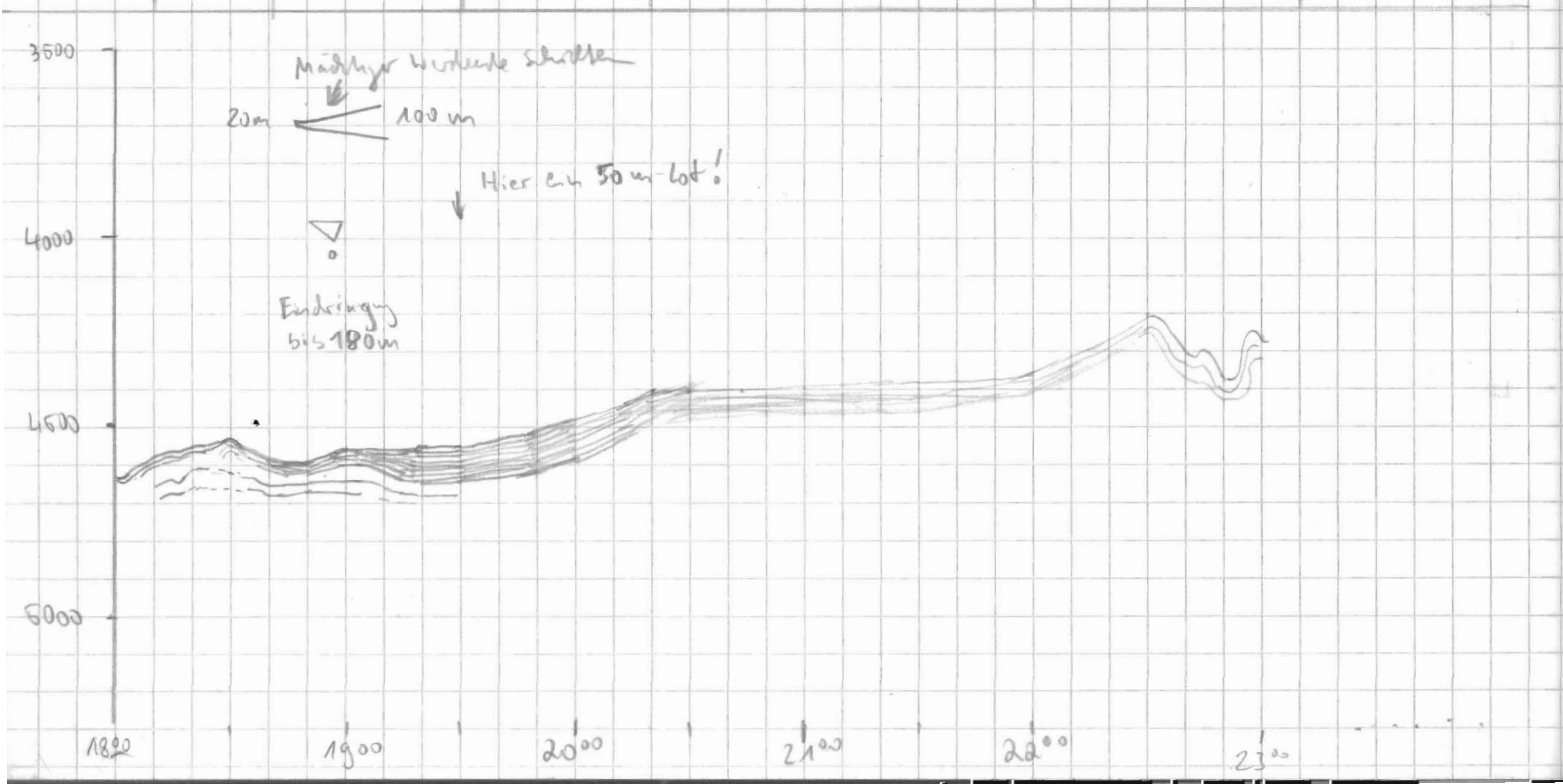
4 4 10000 200 4 S 40 266 10 0 0 1

2

Deno Error 66

Backup Nr. 007
SPEICHERUNG ANGESCH.
SPEICHERUNG AUS
SPEICHERUNG AN
SPEICHERUNG AUS
ZU STEILE HÄNGE
SPEICHERUNG AN

Datum	UTC	Tiefe PS	Tiefe HS	Berte	Länge	Speed	Kurs	Wachsitzer
4.4.91	18:15	4578	4609	44°38'88S	8°14,54E	10,7	239,3	Petralnik
	18:30	4543	4565	40,258	11,315E	10,8	240,5	"
	18:47	4584	4608	41,845	07,418E	10,7	239,5	"
	19:00	4620	4585	42,985	04,588E	10,9	241,0	"
	19:17	4544	4562	44,535	00,536E	10,9	241,5	"
	19:30	4530	4540	45,570	7°57,708E	12,2	241,3	"
	19:46	4503	4519	47,276	53,786E	11,4	240,0	"
	20:00	4476	4489	48,594	50,704E	12,0	237,5	"
	20:15	4425	4444	50,179S	47,208E	11,8	237,1	Reidelt
	20:32	4404	4428	52,345	42,474	11,9	237,7	"
	20:46	4404	4433	53,486	39,777	11,9	241,8	M
	21:00	4403	4431	54,824	36,241	12,3	242,2	M
	21:15	4407	4427	56,205	32,417	11,9	242,8	Reidelt
	21:30	4390	4396	57,662S	28,330E	12,2	240,9	"
	21:45	4352	4369	59,631	27,588E	12,9	238,7	"
	22:00	4254	4333	45°00,670S	7°21,270E	12,2	237,5	"
	22:15	4376	4294	02,203S	17,454E	12,2	242,8	"
	22:30	4191	4203	03,522S	17,691E	12,1	242,5	"
	23:00	4340	4361	06,571S	05,876E	12,7	237,4	"
	23:15	4395	4428	08,010S	02,487E	12,4	241,9	"
	23:30	/	4446	09,880S	6°57,875E	12,2	240,3	"
	23:45	/	4533	10,909S	55,333E	11,3	239,5	"
5.4.91	00:00	4713	?	12,437	51,509	11,5	241,5	
	0:21	4457	4446	14,789	46,057	11,7	238,5	Schacht
	0:32	4375	4395	15,760S	43,585E	11,7	242,0	"
	0:45	?	4265	17,157S	40,046E	12,1	241,3	"
	1:00	4302	4321	18,500S	36,566E	11,6	241,2	"
	1:17	?	4382	20,097S	32,254E	11,7	240,4	"
	1:30	4446	4461	21,362S	29,258E	11,4	241,1	"
	1:50	4462	4486	23,226S	24,194E	11,7	239,4	"
	2:02	4497	4507	24,828S	21,818E	11,2	241,8	"
	2:15	4524	4537	25,509S	18,658E	11,8	239,0	"
	2:30	4537	4552	26,954S	15,213E	11,7	238,6	"
	2:45	4542	4555	28,324S	11,650E	12,0	241,3	"
	3:00	4543	4560	29,845S	07,882E	11,4	240,3	"



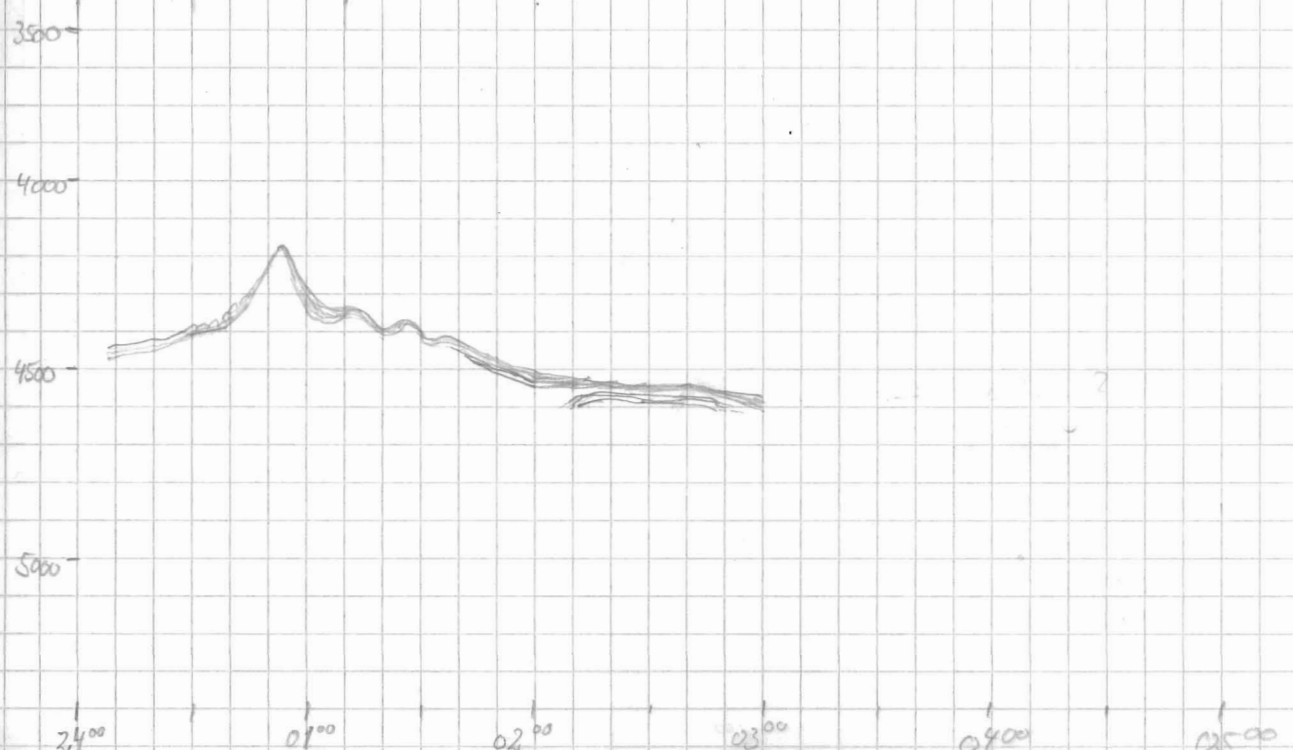
4 4 10000 200 4 S 40 266 10 0 0 1

4 4 10000 200 4 S 40 266 10 0 3 1

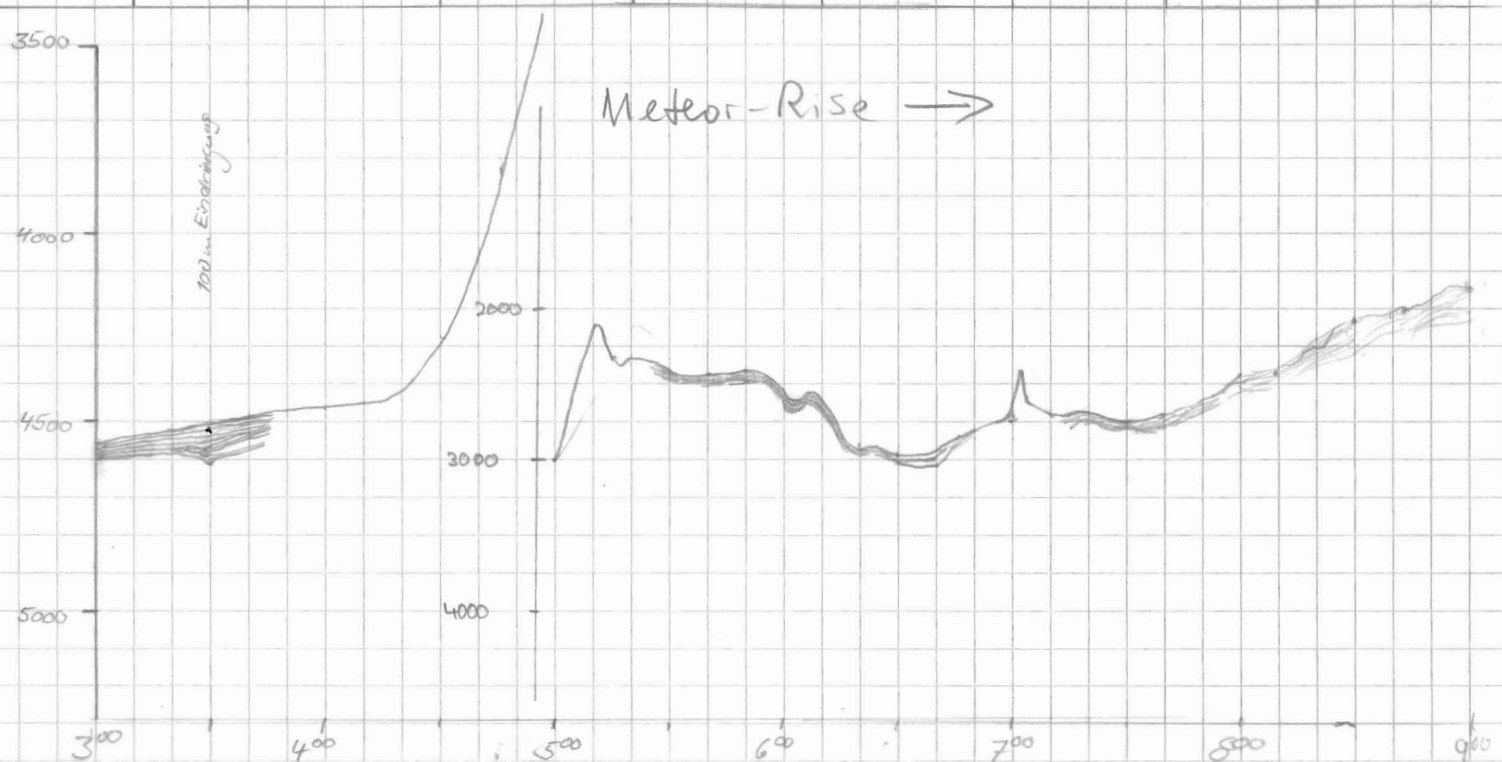
neuer Handshakemodus →
↓
3

4	4	10000	200	4	S	40	266	10	0	3	1
"	"	"	"	"	"	"	"	"	4	3	1
"	"	"	"	"	"	"	"	"	"	"	"
"	"	"	"	"	"	"	"	"	2	"	"
"	"	"	"	"	"	"	"	"	4	"	"
"	"	"	"	"	"	"	"	"	4	"	"
"	"	"	"	"	"	"	"	"	4	"	"
"	"	"	"	"	"	"	"	"	3	"	"
"	"	"	"	"	"	"	"	"	5	"	"
"	"	"	"	"	"	"	"	"	4	"	"
"	"	"	"	"	"	"	"	"	4	"	"

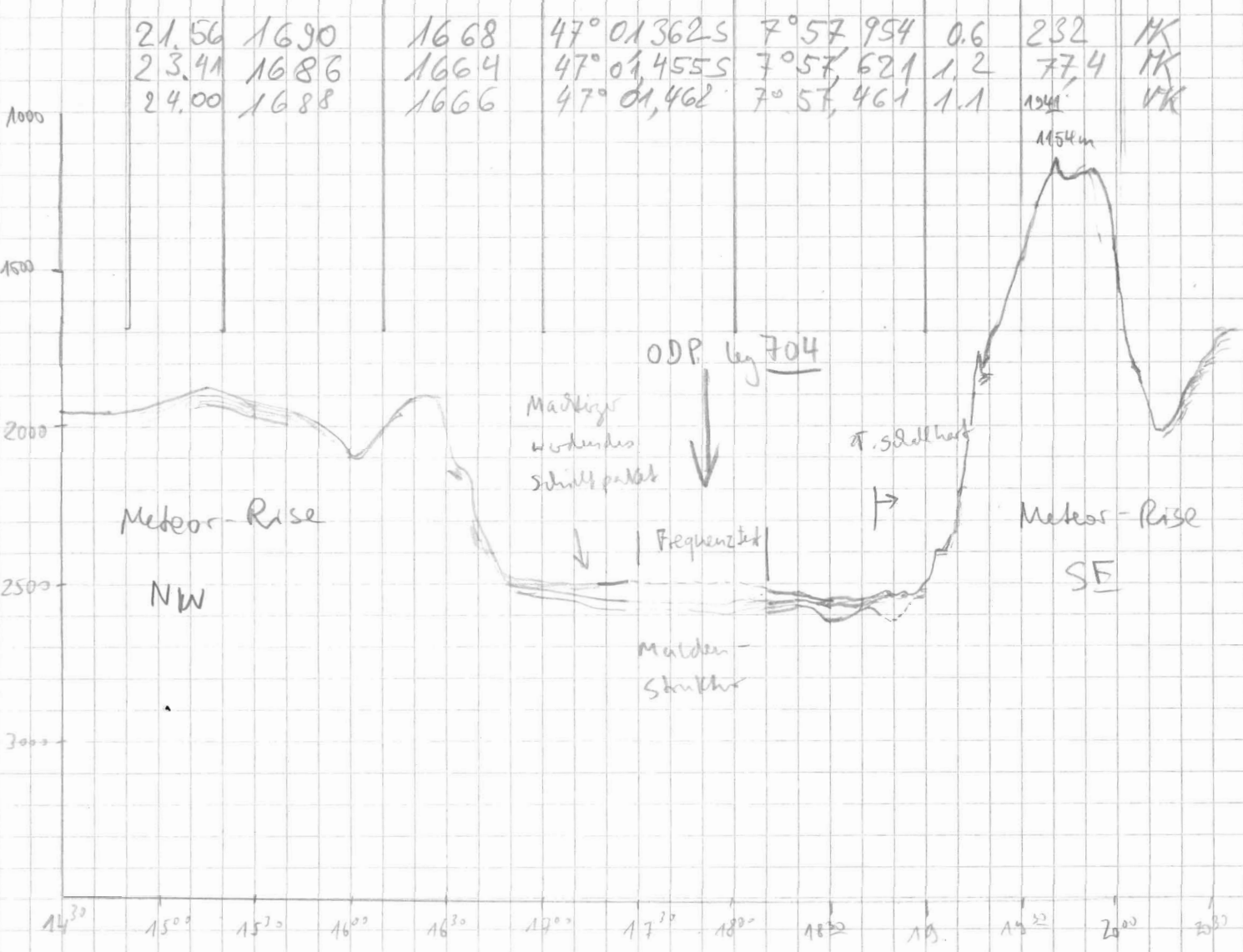
diverse Tiefe wieder
falsch, manchmal



Datum	UTC	Tiefe RS	Tiefe HS	Breite	Länge	Speed	Kurs	Wach-sitzer
05.04.91	3:15	4528	4545	45° 31,277' S	6° 04,425' E	11,7	241,4	Schocht
	3:30	4501	4521	32,558' S	01,107' E	11,3	242,0	"
	3:45	4482	4494	33,900' S	5° 57,703' E	10,5	240,1	"
	4:00	4467	4481	35,461' S	55,750' E	10,9	232,8	"
	4:15	4448	4461	37,530 S	58,785 E	13,3	135,6	Jörn S.
	4:30	4283	4284	40,243 S	6° 02,79 E	13,5	134,0	"
	4:45	3812	3816	42,156 S	05,595	13,3	139,5	"
	5:00	3120	3001	44,670	08,862	13,3	138,1	"
	5:17	2382	2435	47,404	12,534	12,9	141,8	"
	5:31	2421	2404	49,605	15,530	13,2	134,9	"
	5:46	2431	2412	51,895	18,953	13,0	134,8	"
	6:02	2558	2549	54,071	20,489	13,2	134,0	"
	6:15	2812	2811	56,249	25,223	13,0	136,7	"
	6:33	2907	2888	58,994	29,082	12,8	135,4	"
	6:50	2861	2849	46° 01,680	32,987	13,2	135,2	"
	7:00	2741	2743	03,344	35,295	13,1	134,9	"
	7:15	2671	2681	05,598	38,587	13,1	134,9	"
	7:30	2751	2735	08,183	42,223	13,0	135,1	"
	7:45	2674	2651	10,214	45,025	12,9	134,9	"
	8:00	2443	2422	12,544	48,390	12,9	135,6	"
	8:15	2422 *	2238	46° 14,759 S	6° 51,571 E	12,7	131,5	Tano
	8:32	2081	2071	46° 17,269 S	6° 55,153 E	12,9	134,7	"
	8:45	2003	1989	46° 19,257 S	6° 57,982 E	13,2	136,3	"
	8:57	1948	1932	46° 21,177 S	7° 00,772 E	13,3	136,9	"
	9:05	1976	1958 *	46° 22,4 S	7° 02,480 E	13,3	133,6	"
	9:20	1981	1966	46° 22,604 S	7° 03,211 E	9,8	297,0	"
	9:30	1976,9	1961	46° 22,355 S	7° 02,235 E	5,0	256,9	"
	9:45	1970	1956	46° 22,291 S	7° 02,516 E	0,3	299,8	"
	9:55	1971	1954	46° 22,293 S	7° 02,436 E	0,3	74,5	"
	10:09							
	10:41	1969	1953	46° 22,261 S	7° 02,494 E	1,7	107,2	"
	12:00	1965	1940	46° 22,270 S	7° 03,090 E	1,2	279,8	"
	12:45	1969	1937	46° 21,924 S	7° 02,385	0,7	294,4	"



DATUM UTC	TIEFE PS [m]	TIEFE HS [m]	BREITE	LÄNGE	SPEED [kn]	KURS	WACHGÄNGER	
05.04.81	12.52	1961	1936	46° 21.880 S	7° 02.246 E	0.4	78.5	Blubb
	14.30	1977	1953	46° 27.111 S	7° 06.511 E	10.2	151.0	Blubb
	14.45	1973	1950	28.571 S	08.148 E	9.0	158.6	"
	15.15	1890	1865	33.248 S	11.143 E	9.7	157.5	"
	15.30	1932	1907	34.953 S	12.309 E	9.1	154.4	"
	15.45	1961	1935	37.270 S	13.372 E	10.1	154.7	"
	16:05	2109	2083	40.391 S	16.279 E	10.1	150.5	MK
	16:15	1972	1956	41.709 S	17.251 E	10.0	154.4	Blubb
	16:30	1908	1884	44.013 S	18.808 E	10.0	154.7	"
	16:45	2432	2417	46.121 S	20.252 E	9.9	156.2	"
	17:00	2576	2555	48.857 S	22.121 E	9.8	151.6	"
	17:15	2550	2518	51.032 S	23.812 E	10.2	150.6	"
	18:18	252	2528	53.032 S	25.524 E	7.7	88.1	Phänok
	18:30	2563	2541	52.970 S	28.726 E	11.1	87.6	"
	18:45	2524	2504	52.844 S	32.205 E	10.8	84.6	"
	19:00	2481	2465	52.762 S	36.523 E	11.0	88.0	"
	19:15	19304	1841	52.784 S	40.669 E	10.5	90.8	"
	19:30	1474	1392	52.759 S	44.347 E	10.1	90.7	"
	19:45	1226	1247	54.216 S	47.046 E	10.0	133.8	"
	20:00	1675.2	1677	55.961 S	49.613 E	10.6	134.8	"
	20:15	1971	1960	57.730 S	52.780 E	10.2	133.5	"
	20:30	1841	1826	59.564 S	54.910 E	10.2	135.4	"
	20:45	1688	1657	47° 01.4 S	7° 57.5 E	10.5	135.1	"
	21.31	1692	1669	01.25 S	58.10 E	2.6	68.8	MK
	21.56	1690	1668	47° 01.362 S	7° 57.954 E	0.6	232	MK
	23.41	1686	1664	47° 01.455 S	7° 57.621 E	1.2	77.4	MK
	24.00	1688	1666	47° 01.462 S	7° 57.461 E	1.1	134.1	MK



FRQ	PULSE	RANGE	SCALE	MODE	SIG	FRQ	TIME	WAVE	DAT.	HAND	HEB
						[s]	[ms]	[s]	RED	SHAKE	MO
											JUL

BEHERRUNG

4	4	5000	100	4		40	266	10	0	0	1
					5	40	266	10	0	3	1

KL am Grund

2.5	8	5000	200	4	5	40	266	10	0	3	1
4	4										

17:35-18:10 Frequenz test

Error 64 > Nach Anweisung beschreiben

19:33 Kurs auf WP 2

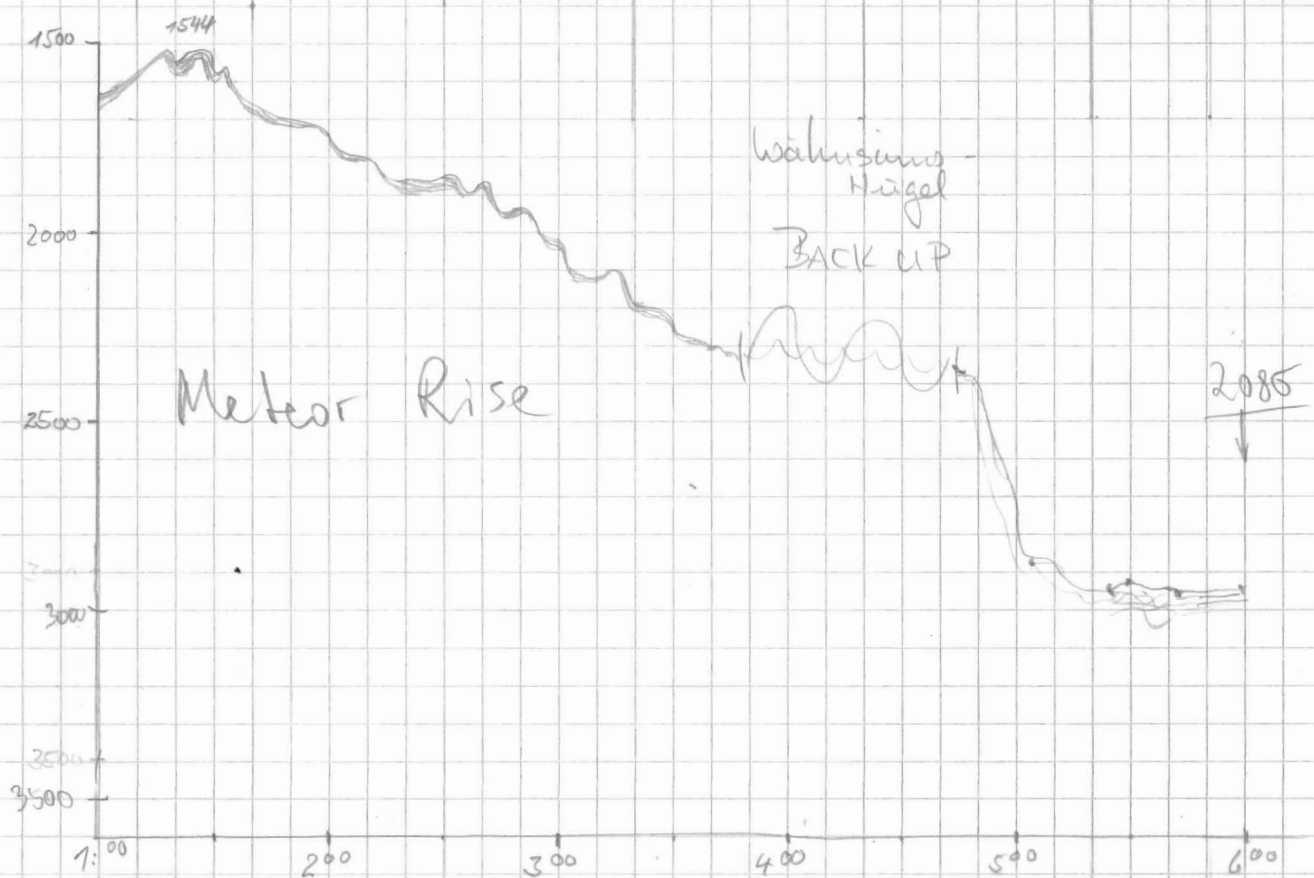
Abster (20:55)
 → Station 2084 überlaufen
 20:56 Beidrehen
 21:

KL am Grunde
 Multi core am Grunde
 MUC+CTD am Wasser, Registrierung angeklebt.

2084

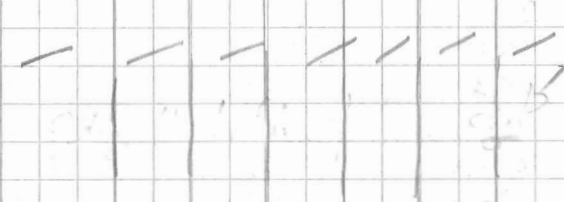


Datum	UTC	Tiefe PS	Tiefe HS	Breite	Länge	speed	Kurs	Wachsjahr
06.04.91	0:28	1700	1677	47° 01,257'S	7° 58,731'E	1,1	101,0	Schacht
	0:51	1646	1644	03,927'S	59,167'E	8,9	181,4	"
	1:00	1624	1607	05,210'S	59,170'E	8,1	183,0	"
	1:15	1560	1539	07,318'S	58,780'E	8,2	190,0	"
	1:39	1617	1597	10,537'S	58,216'E	8,4	182,0	"
	2:04	1752	1726	14,139'S	58,286'E	8,4	179,2	"
	2:16	1844	1821	15,999'S	58,393'E	8,9	177,3	"
	2:30	1847	1826	17,706'S	58,683'E	8,9	177,6	"
	2:44	1938	1916	20,366'S	58,820'E	8,4	181,7	"
	2:54	2000	1978	21,195'S	58,751'E	8,4	185,9	"
	3:02	1985	1962	22,392'S	58,621'E	8,5	182,8	"
	3:15	2132	2108	24,193'S	58,660'E	8,8	179,2	"
	3:29	2196	2171	26,265'S	58,742'E	9,0	176,4	"
	3:33	2258	2231	26,927'S	58,795'E	9,4	176,7	"
	3:46	2289	2255	28,829'S	58,922'E	8,6	178,3	"
	3:57	2259	2376	30,524'S	58,987'E	9,0	177,4	"
	4:45	2357	2351	47° 37,623 S	7° 59,338' E	8,8	177,4	KAUFER
	4:57	2648	2667	47° 39,403 S	7° 59,496 E	9,1	176,1	
	5:07	2826	2801	47° 40,922 S	7° 59,696 E	8,9	178,9	
	05:21	2938	2951	47° 42,881 S	7° 59,788 E	8,8	179,0	
	05:32	2959	2985	47° 44,411 S	7° 59,829 E	9,0	180,8	
	05:34	2957	2987	47° 44,993 S	7° 59,827 E			
	05:43	2976,2	2975	47° 46,079 S	7° 59,863 E	8,6	178,1	
	06:00	2941	2992	47° 44,946 S	7° 59,780 E	2,7	350,8	
	06:10	2940	2997	47° 44,788 S	7° 59,953 E	1,1	54,2	
	6:17							
	6:56	3008	2983	47° 45,062 S	7° 59,804 E	1,1	74,4	
	7:34	3011	2985	47° 44,814 S	7° 59,868 E	0,4	61,2	



4	4	5000	200	4	S'	400	266	10	5	3	1	Kursänderung auf 178°
									0			

Festplatte voll?

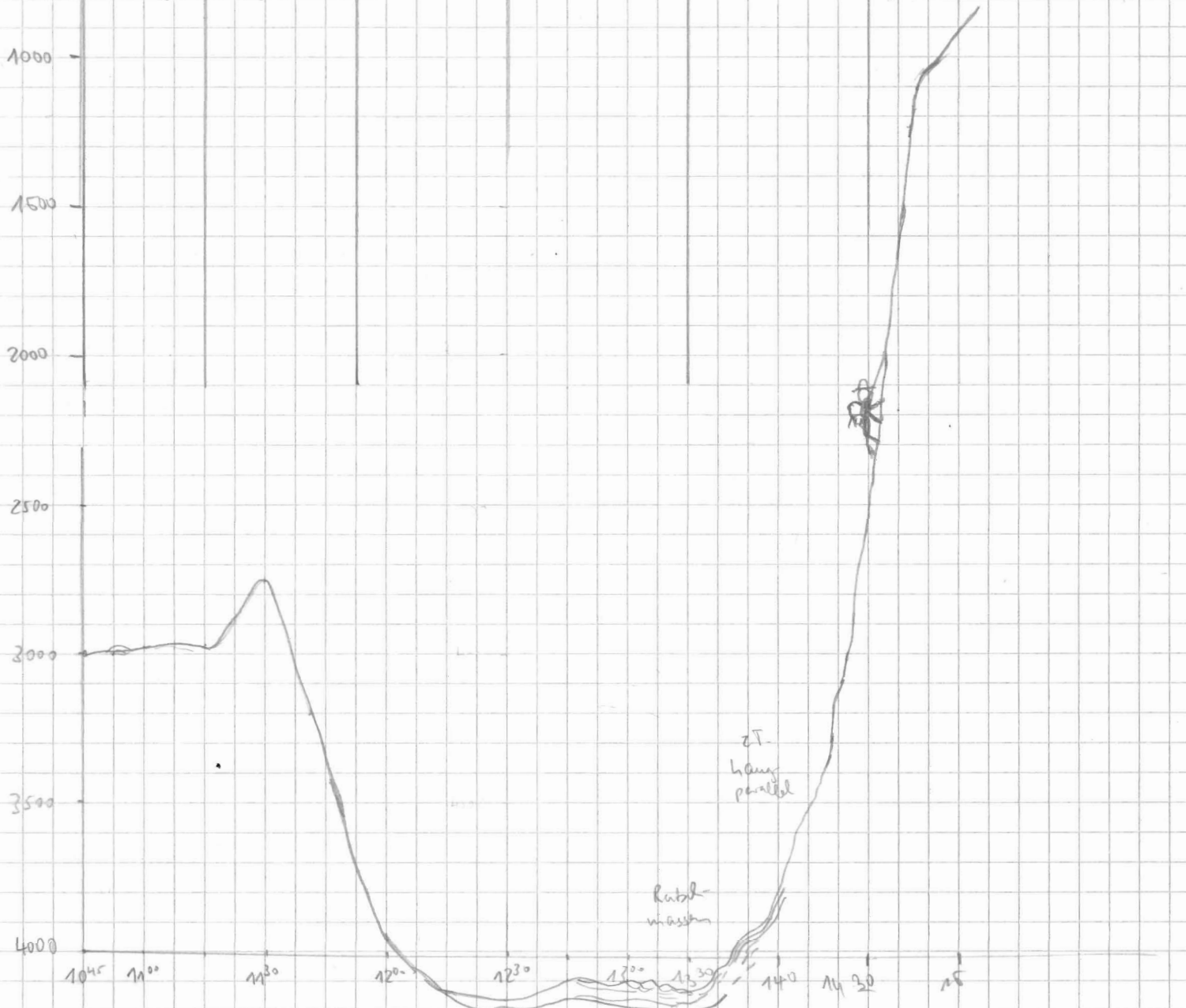


wilde Gegend ab 4:10
 BACKUP UND
 Passwort an bei 14 nicht
 Aufg.

Masken 1 AM1
 Masken 2 AM2
 kein Masken AM3
 Beobachten auf
 4744.96S
 7°59.83E

STATION 18/24d
 AW 2085
 CTD geht zu Enterteil
 MUC an General
 CTD aus dem Enterteil
 3852 hat sich aufgehängt
 nach Neustart PV ok

DATE	TIME UTC	DEPTH PS	DEPTH HS	BREITEN	LÄNGE	SPEED [km]	COURSE	WACHGÄNGER
6.4.91	08:00	3008	2982	47°44,833 S	7°59,523 E	0,5	200,3	Rehder
	08:22							
	9:11	3006	2979	47 44 958 S	7°59,063 E			
	10:45	3010	2985	47°45,665 S	7°59,545 E	5,7	197,3	"
	11:00	2985	3015	47,991 S	59,323 E	7,1	197,5	"
	11:15	2982	2978	49,405 S	58,560 E	5,9	201,9	"
	11:30	2745	2825	50,992 S	57,589 E	6,3	207,3	"
	11:45	3262	3420	52,643 S	56,654 E	7,5	192,5	"
	12:00	3962	3966	54,521 S	55,268 E	8,0	196,0	"
	12:15	4121	4138	56,306 S	55,226 E	7,3	194,0	John S.
	12:30	4157	4155	57,999 S	54,560 E	7,0	199,9	"
	12:45	4163	4154	48° 00,271	53,308 E	6,5	200,1	Rehder
	13:00	4151	4162	01,347	52,860 E	7,3	194,2	"
	13:15	4147	4140	02,087	52,215 E	7,0	195,5	"
	13:30	4055	4041	04,907	51,48 E	7,7	185,4	Rehder
	13:45	3924	3918	06,686	50,656 E	7,2	196,7	"
	14:00	3840	3833	08,467	49,936 E	7,1	197,0	"
	14:15	3382	3408	10,279	49,213 E	7,8	187,3	"
	14:30	***	2519	12,132	48,342 E	7,8	196,5	"
	14:45	1137	1127	13,262	47,714	7,7	195,0	"
	15:00	908	918,5	15,589	46,868	7,3	200,1	"
	15:15	767	770	17,238	46,183	6,4	192,5	Rehder



FRQ	Pulse	RANGE	SCALE	MODE	S	F _{sig}	t	WT	R	H	M
						[ms]	[sec]				
4	4	5000	200	4	1	40	266	10	0	3	1
4	4	5000	200	4	5	40	266	10	0	3	1
									5		
									2		
					5	40	266	10	0	3	1

nach ant Station
 KL ausgesetzt
 KL auf Grund
 Überfahrt zur Station 2086
 bewirkt Morphologie, Registr. aus

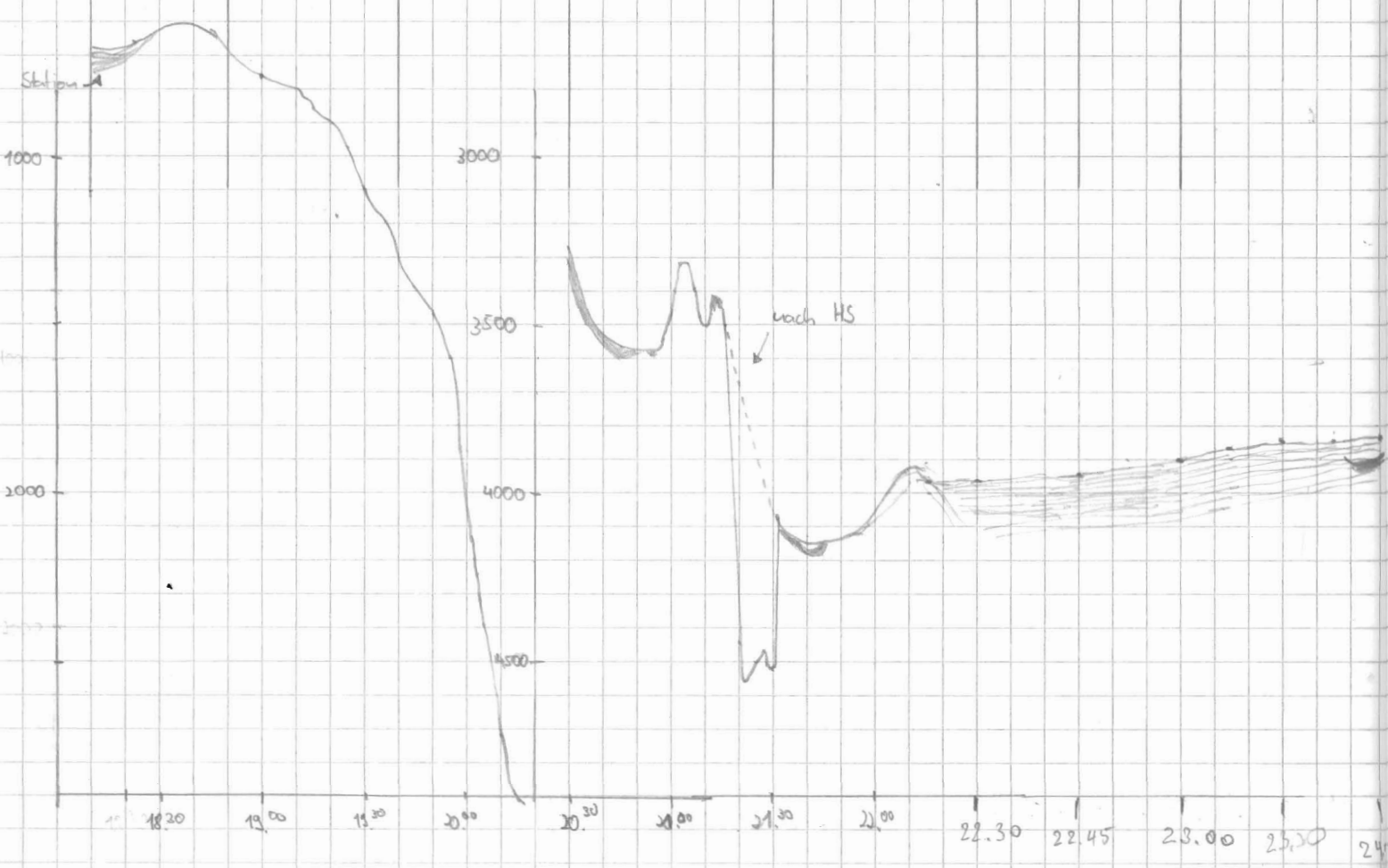
Registr an
 Papierwechsel 5000

Rollerwechsel: 14:23 - 14:30

15:40 Beladen of 2086

1

Datum	Uhrzeit UTC	Tiefe FS	Tiefe HS	Breite	Länge	Speed Kn	Kurs	Wachphase
	15:30	665	657	48° 18.824 S	7° 45.463 E	6.3	196.5	RRJdd
	16:05	666	652	18.812	45.365 E	1.0	43.1	"
	16:41	662	647	48° 19.1	7° 45.4	0	227	"
	17:46							
	18:23	658	644	48° 19.258	7° 45.499	3.2	203	Norm S.
	18:35	626	616	48° 20.384	7° 44.165	7.1	218	"
	18:45	617	605	21.168	43.154	7.5	224	"
	19:00	744	727	22.420	41.340	7.7	225	"
	19:15	851	829	23.685	39.542	7.5	222	"
	19:30	1105	1089	25.028	37.727	7.5	220	"
	19:45	1392	1383	26.476	35.967	7.1	218	"
	19:57	1875	1898	27.602	34.670	7.0	219	"
	20:15	2316	2338	29.483	32.580	7.1	224	"
	20:30	3288	3266	30.665	30.788	6.8	230	"
	20:45	3579	3562	31.970	28.953	7.8	220	"
	21:00	3484	3512	33.410	27.124	7.8	219	"
	21:15	3443	3472	34.929	25.292	7.6	218	"
	21:30	4518	4040	36.538	23.336	7.5	220	"
	21:45	4135	4136	37.944	21.606	6.9	216	"
	22:00	4076	4070	39.466	19.861	7.7	218	"
	22:17	3970	3957	41.207	17.629	7.3	223.8	IK
	22:32	3963	3954	42.363	15.870	6.9	225.4	IK
	22:45	3941	3933	43.420	14.366	7.6	222.0	IK
	23:00	3906	3900	44.885	12.372	8.3	223.3	IK
	23:15	3873	3866	46.365	10.442	6.1	228.0	IK
	23:30	3847	3842	47.918	8.546	7.7	222.9	IK
	23:45	3842	3835	49.389	6.551	7.8	221.6	IK
7.4.91	00:00	3827	3827	50.836	4.689	7.9	217.4	IK
	00:15	3816	3809	48° 52.502	7° 2.569	7.8	226.4	IK



KOL ist eingeschlagen
 MUC An BODEN (2086)
 Station 2086 Erde

" " " " " " " " " " H " "

" " " " 4 " " " " " " " " "

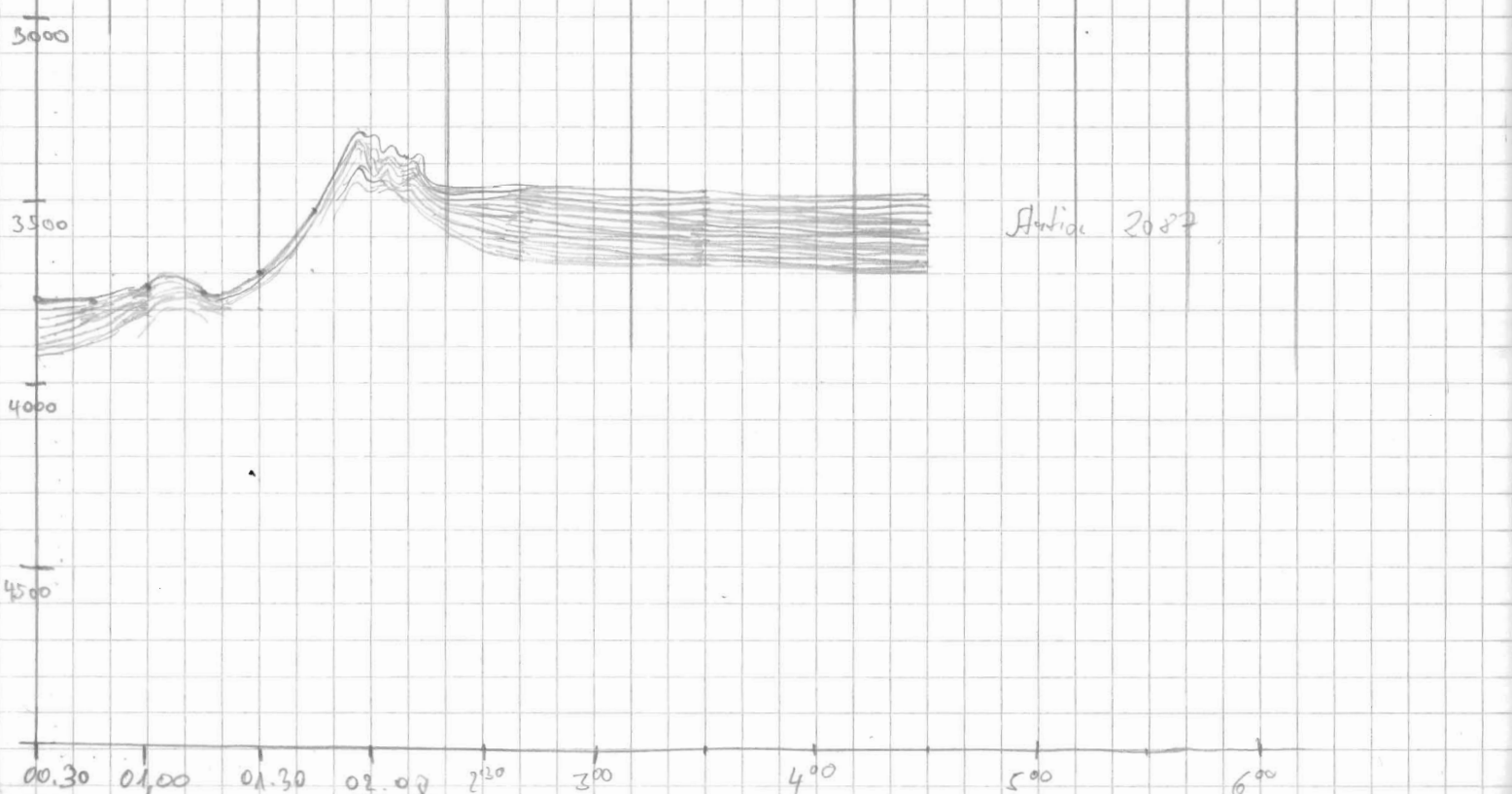
steile Abhang, Storage off

Storage on

große Differenz zu HS
 Höhenangabe PS falsch

Reflektoren oberhalb Sackvent-
 oberfläche? Multiple Reflections?
 gewaltige Eindringung
 "Reflektoren in Wandnähe" sind
 effektiv multiple aus ca. 100m Tiefe

Datum	Uhrzeit UTC	Tiefe PS	Tiefe HS	Breite	Länge	speed	Kurs	Wachtmeister
7.4.91	00.32 00.40	3780	3770	48° 54,224	7° 00,389	8.4	218,8	MK
	00.46	3770	3769	55650	6° 58 559	8.3	219	MK
	01.00	3727	3718	57092	56 608	8.6	222,1	MK
	01.15	3771	3758	58616	54 564	7,9	219,6	MK
	01.31	3703	3689	49° 06,302	52,363	8,6	215,3	MK
	01.40							
	01.45	3524	3570	01,737	50 601	8,2	219,7	MK
	02.04	3304	3301	03,744	47 173	8,5	215,8	MK
	02.20	3344	3332	05 493	46 993	8,5	218,9	MK
	2:30	3463	3463	49° 06,466'S	6° 44,309'E	7,9	221	Schaub
1.) →				6,98'S	63,63'E			
2.) →				7,91'S	42,48'E			
→	2:45	3472	3453	08,08'S	42,25'E	8,3	218	"
3.) →				8,66'S	41,56'E			
	3:01	3460	3439	09,61'S	40,42'E	7,6	217	
	3:15	3469	3445	08,82'S	41,65'E	8,3	217	"
	3:28	3473	3451	08,08'S	41,32'E	0,2	177	"
	3:43	3471	3452	07,98'S	42,46'E	0,3	119	"
	4:25	3471	3453	08,04'S	42,39'E	0,2	199	"
	4:35	3472	3468	08,06'S	42,38'E	0,1	62	"
	5:27	3473	3454	08,06'S	42,33'E	0,1	69	"
	6:00	3473	3504	08,09'S	42,332 E	0,3	222,2	Perle
	6:55	3473	3452	08,06'S	42,314 E	0,2	25,6	"
	8:19	3456	3436	10,253	40,517	8,7	202,5	Jörn S.



4 4 5000 200 4 S 40 266 10 40% 3 1

Reduktion auf 0 gestellt
Aufzeichnung blieb
hängen → Programm
neu gestartet!

40%

Turbidite sind ausgeprägt: abge-
nutzt für Laminierung mit starker
Störung der Rhythmität. jeweils
oberflächennäher morphologisch → schluss: un-
falsch über tektonisch aktives Gebiet.
Ist doch fein, nicht!

4 4 4 4 4 4 4 4 4 4 4 4

Andreas sagt: 25 m Kolbenlot,
Losed.

0

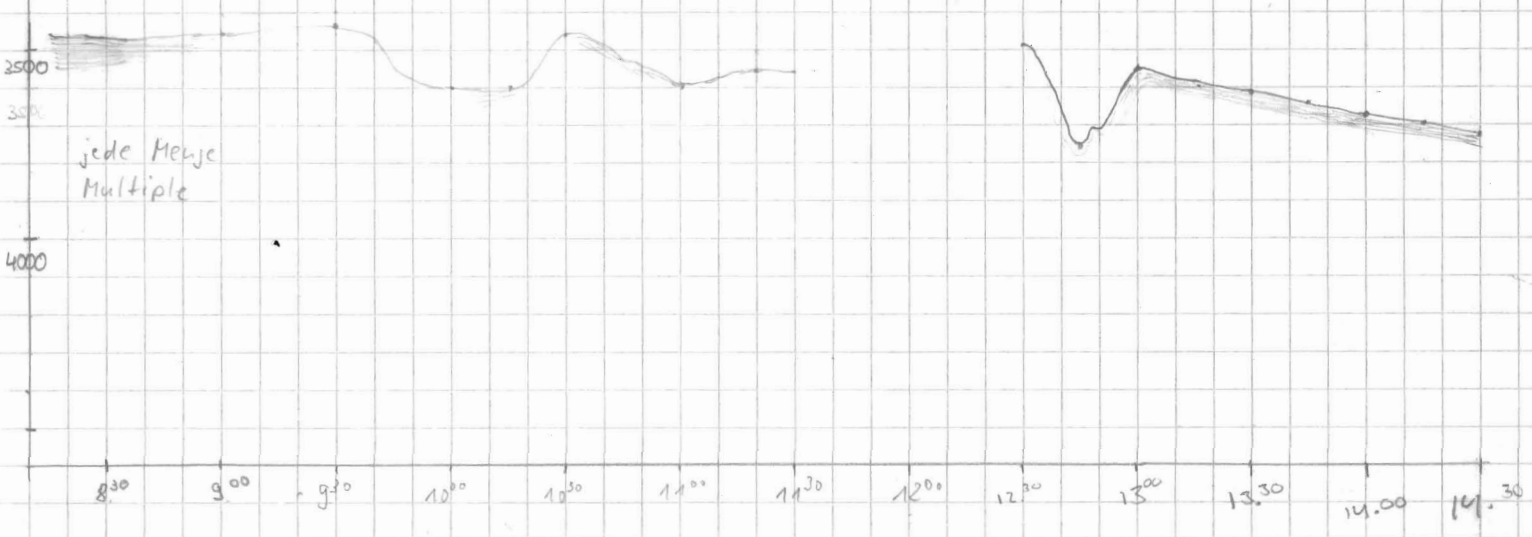
Position von 2:45 als Station
ausgesucht, wird gemeldet

← 3:23 → Position wieder erreicht
Speicherung abgeschlossen
→ Station 2087

→ Norbert hat das Papier raus-
gerippt → Debatte über Kolben-
lotlänge, MUC unterwegs
MUC am Grund
MUC aus dem Wasser

Station Ende

Datum	Uhrzeit	Tiefe FS	Tiefe HS	Breite	Länge	Speed	Kurs	Wache
7.4.81	8:30	3462	3438	49° 11.788	6° 39.451	9.7	212	Jörn S.
	8:45	3469	3449	14.082	37.547	9.7	209	RS/ldh
	9:00	3462	3486	16.127	35.549	9.6	217	"
	9:15	3450	3422	17.995	32.945	9.6	221	"
	9:30	3431	3414	19.642	30.689	10.5	212	"
	10:06	3594	3567	24.782	26.763	9.4	200	"
	10:15	3607	3581	26.081	25.722	9.8	216	"
	10:30	3465	3591	28.111	27.950	9.7	225	"
	10:45	3591	3564	30.203	22.032	9.2	229	"
	11:00	3527	3550	32.352	19.566	10.2	220	"
	11:15	3554	3522	34.045	17.507	9.6	211	"
	11:32	3540	3510	36.585	15.421	10.4	203	"
	11:45	3511	3516	38.524	12.952	10.2	209	"
	12:30	3529	3496	49° 45.538	06° 07.101	10.5	212	HURFEL
	12:45	3766	3752	47.177	05.567	10.1	211	"
	13:00	3551	3540	49.716	03.263	10.2	211	"
	13:15	3590	3599	51.743	01.331	10.0	209	"
	13:30	3617	3598	53.930	05° 59.207 E	10.6	213	"
	13:45	3642	3625	56.100	05 57.191 E	10.4	210	"
	14:00	3675	3663	58.307	55.184	10.4	211	"
	14:16	3695	3681	50° 00.820 S	52.745	10.4	211	"
	14:31	3727	3716	03.027 S	51.080	10.6	202	"
	14:45	3747	3735	04.977	48.945	10.6	219	"
	15:00	3761	3749	06.941	46.775	9.1	209	"
	15:15	3775	3763	08.874	45.106	8.8	190	"
	15:30	3781	3771	09.496	44.525	1.7	142.3	"
	17:00	3779	3766	50° 10.003 S	5° 44.265 E	5.9	185.7	Tamer
	17:15	3810	3800	50° 12.513	S 5° 44.372 E	11.2	183.9	"
	17:30	3831	3818	50° 15.680	S 5° 44.307 E	13.3	185.7	"
	17:45	3872	3856	50° 18.862	S 5° 44.010 E	12.8	184.3	"
	18:00	3908	3890	50° 22.320	S 5° 43.295 E	12.1	191.6	RS/ldh
	18:15	3925	3910	25.07	42.42 E	12.9	190.6	Petroleum
	18:30	3953	3940	28.235	42.608 E	13.8	188.3	"
	18:45	3213	3261	31.36				"
	19:00	3120	3051	34.69	40.426	13.1	184	
	19:15	3004	3056	38.12	39.97	10.9	185	
	19:35	2813	2895	42.11	39.28	12.7	185	
	20:00	3691	3504	47.37	38.48	12.8	186	



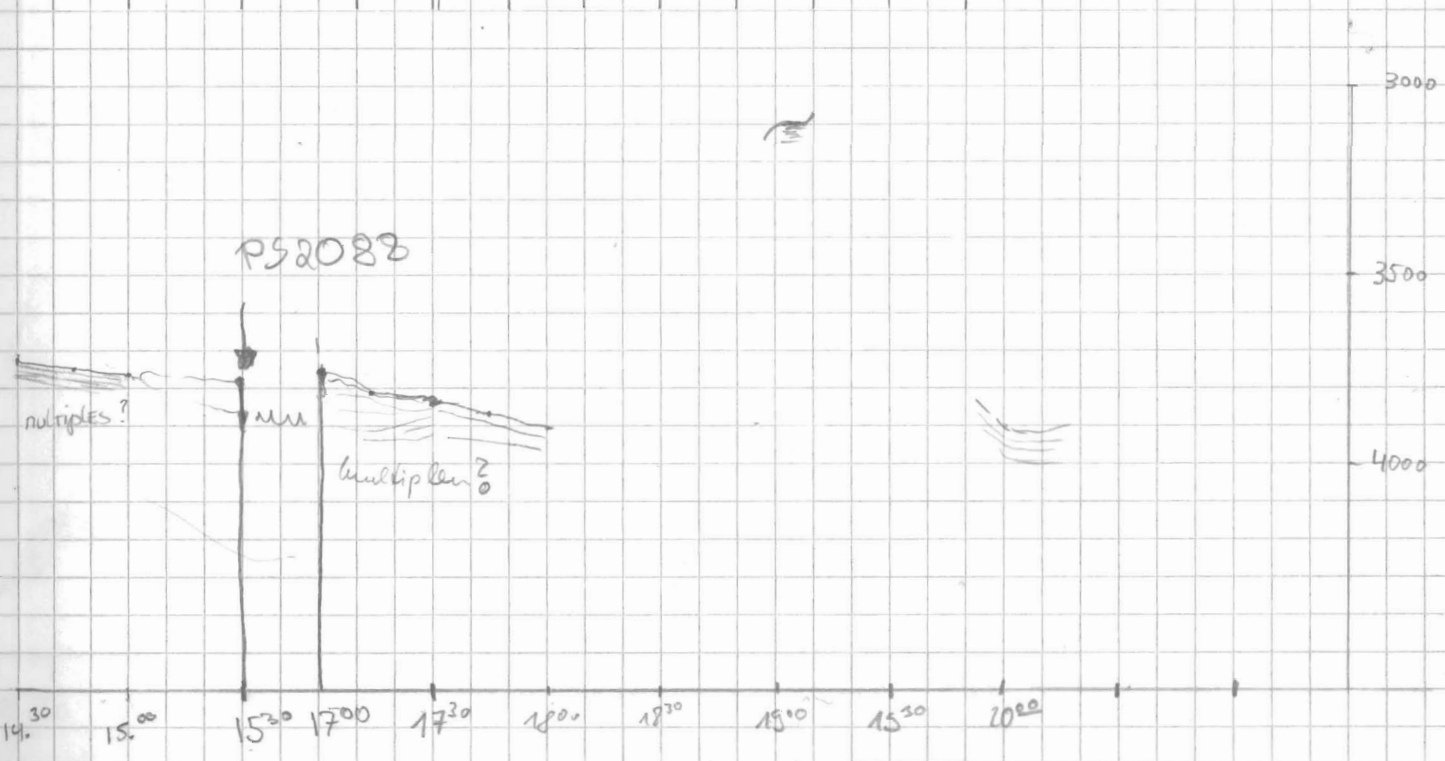
4 4 5000 200 4 S 40 266 10 0 3 1 Überfahrt zu 2088

Bechtop Nr. 2010

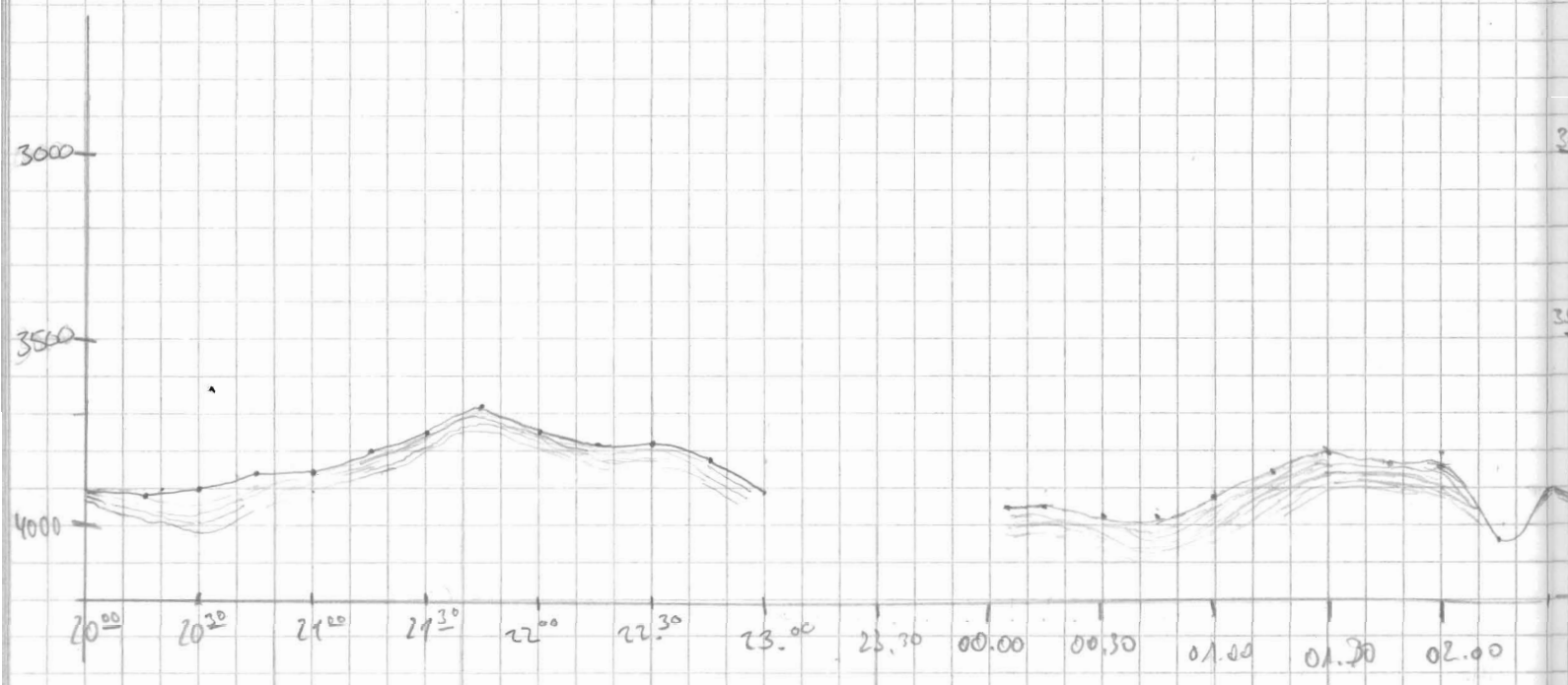
STORAGE ANGESCHALTET

4 4 5000 200 4 S 40 266 10 2 0 1
 4 4 5000 200 4 S 40 266 10 0 3 1
 4 4 5000 200 4 S 40 266 10 0 3 1

STATION 2088 STORAGE AUS
 Multi meter gefahren
 17:00 STORAGE AN



DATUM	UHRZEIT	TIEFE PS	TIEFE HS	BREITE	LÄNGE	SPEED	KURS	WACHE	
7.4.91	20:15	3922	3911	50° 50.48	5° 37.98	12.6	186		
	20:30	3906	3886	53.53	37.48	12.4	184		
	20:45	3867	3854	56.70	36.85	12.5	186		
	21:00	3860	3849	59.77	36.30	12.5	187		
	21:17	3794	3778	51° 03.48 S	5° 35.66 E	13.1	183	HUBERT	
	21:30	3756	3739	05.96 S	35.29 E	12.1	186,9	"	
	21:45	3686	3670	09.06 S	34.79 E	12,9	184	"	
	22.00	3747	3794	12.31 S	34.28 E	12,4	185	"	
	22.15	3778	3781	15.41 S	33.84 E	12,4	187,7	"	
	22.30	3785	3764	18.60 S	33.35 E	12,9	186,6	"	
	22.45	3829	3817	21.96 S	32.81 E	12,8	185	"	
	23.00	3909	3890	24.76 S	32.15 E	12,8	156,4	"	
	23.15	3847	3842	28.28 S	31.61 E	12,6	191,6	"	
	23.32	3892	3873	31.32 S	30.80 E	12,5	193,5	"	
	8.4.91	00.9	3958	3953	39.260	29.092	13,0	181,5	MK
		00.15	3952	3939	40.434	29.050	13,0	181,0	MK
		00:30	3982	3970	43.476	28.553	12,4	181,5	MK
00:45		3984	3974	46.556	28.340	11,8	183,5	MK	
01:00		3916	3920	49.612	27.869	12,1	185,9	MK	
01:16		3862	3857	52.708	27.700	12,1	187,3	MK	
01:30		3805	3804	55.498	27.054	11,9	186,3	MK	
01:45		3833	3818	58.464	26.576	12,2	185,1	MK	
02:00		3849	3837	52° 01.281	26.357	13,5	186,1	MK	
02:15		4042	4029	04.804	25.789	13,2	186,9	MK	
02:35		3902	3835	09.341 S	24.383 E	13,0	184	Schlacht	
02:48		3943	3935	12.14 S	24.08 E	12,9	186,6	"	
03:01		4036	4022	14.83 S	23.72 E	13,1	185	"	
03:16		3799	3751	18.28 S	23.13 E	13,3	188	"	
03:30		3425	3424	21.03 S	22.62 E	13,3	186	"	
03:45		3386	3420	24.55 S	21.98 E	12,9	187	"	
04:00		3540	3540	27.68 S	21.44 E	13,2	186	"	
04:15		?	3692	30.93 S	21.00 E	13,2	187	"	
04:30		3932	3922	34.22 S	20.40 E	12,8	184	"	
04:47	3785	3780	38.01 S	19.71 E	13,2	186	"		



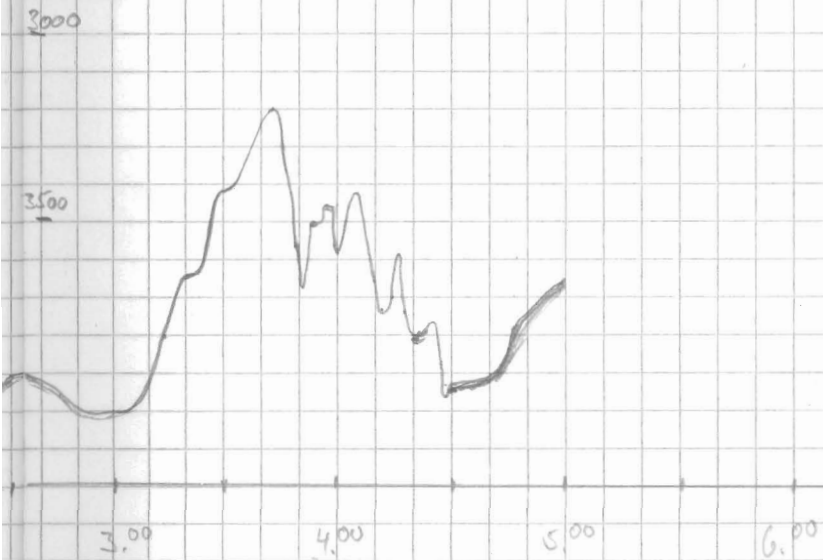
4 4 5000 200 4 S 40 266 10 0 3 1

4 4 5000 200 4 S 40 266 10 0 3 1

2
0

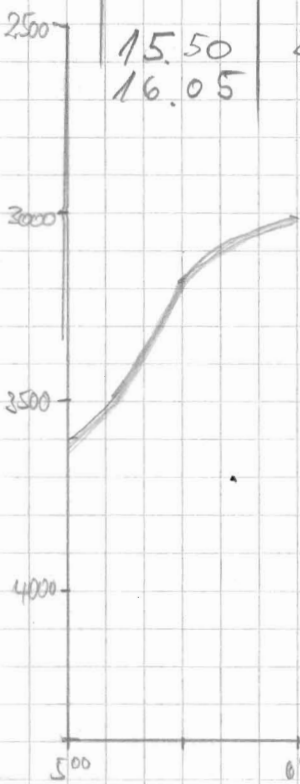
Backup 011
NO STORAGE, MAKING BACKUP.
Program interrup. → neu gestartet
jetzt geht er wieder.

4 4 5000 200 4 S 40 266 10 0 3 1



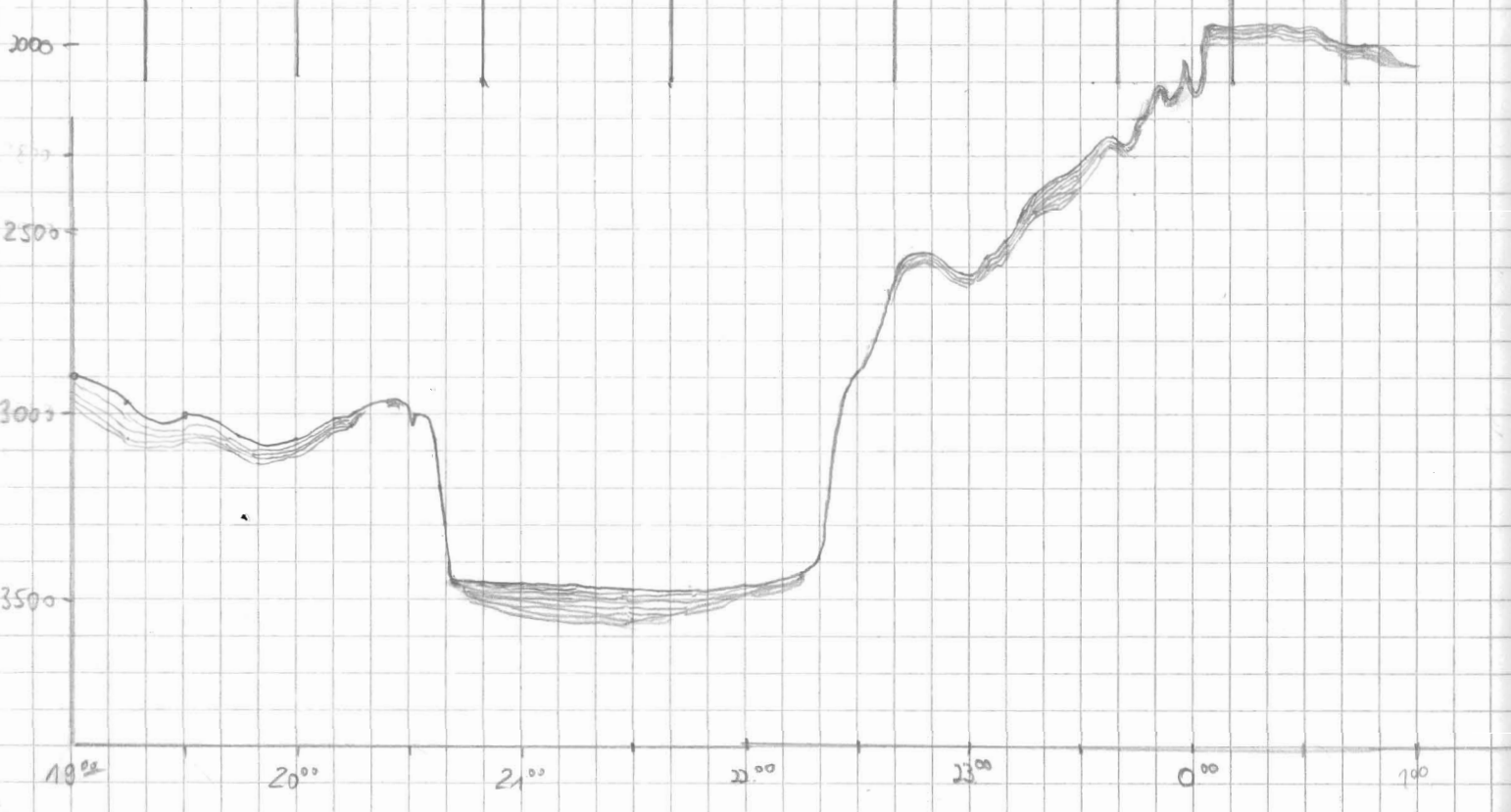
Datum	Uhrzeit	Tiefe RS	Tiefe HS	Breite	Länge	Speed	Kurs	Wachposten
08.04.91	05:00	3597	3589	52°41,27'S	5°19,13'E	12,6	187	Selacht
	05:15	3454	3444	43,99'S	17,63'E	13,0	185	"
	5:35	3182	3178	48,41'S	17,86'E	12,9	187	"
	5:49	3027	3013	51,53'S	17,36'E	13,1	186	"
	7:35	2853	2821	53°12,163S	5°15,010E	11,1	189,4	RS/NOV
	7:45	2776	2746	12,48S	17,104E	12,0	94,7	"
	8:00	2652	2636	53°19,8 S	19,5	8,5	2,0	"
	8:15	2709	2737	11,253S	17,532	8,4	278,6	"
	8:30	2805	2784	11,190S	17,717E	9,5	270,0	"
	8:45	2872	2846	11,17	9,78	9,4	264,0	"
	9:00	2846	2815	10,10	8,04	8,8	11,1	"
	9:15	(2838)	2766	10,07	11,86	8,9	78,9	"
	9:30	(2837)	2651	9,99	15,60	9,5	88,9	"
	9:45	/	2735	9,968S	19,428 E	9,6	98,1	"
	10:00	/	2646	8,761	18,570	8,6	282,6	"
	10:15	/	2655	8,454	19,77	9,3	269	"
	10:30	/	2730	8,41	11,10			"
	10:45	/	2752	8,122	09,979	8,7	69,5	"
	11:00	/	2996	7,088	18,130	9,6	149,4	"
	11:15	/	2644	8,78	14,83	9,8	130,5	"
	11:30	/	2587	10,33	18,36	10,4	135	"
	11:45	/	2596	11,75	21,80	10,4	52,5	"
	12:00	/	2602	11,66	20,03	7,4	268,	"
	12:15	/	2612	11,33	19,69	8,5	114,9	"
	12:30	/	2611	11,33	19,70	8,2	295,7	"
	12:49	/						"
	14:53	2645	2611	53°11' 31" S	5°19,824 E	0,4	27,2	"

15.50	2645	2621	11,495	20,197	5,8	274,2	MK
16.05	2777	2749	11,385	16,872	8,6	275,4	MK



... and on a height
we found his porcelanite

Zeit UTC	Tiefe PS	Tiefe HS	BREITE	LÄNGE	SPEED	KURS	WACH E
16:15	2803	2781	53° 11.259 S	5° 14.596 E	9.1	274.5	KRÜGER
16:30	2852	2828	53° 11.032 S	5° 10.959 E	9.4	275.7	
16:45	2849	2824	53° 10.701 S	5° 07.954 E	3.1	313.9	
17:00	2849	2823	53° 10.646 S	5° 07.912 E	1.1	205.9	
17:15	2851	2826	53° 10.601 S	5° 07.996 E	0.5	46.2	
17:34	2850	2824	53° 10.686 S	5° 07.926 E	0.3	330.7	
18:55	2876	2848	53° 11.236 S	5° 07.113 E	6.2	235.4	Reinhardt
19:00	2898	2868	11.624	06.372	9.8	236.4	
19:15	2974	2945	13.017	03.065	9.7	240.6	
19:30	3006	2979	14.076	4° 59.373	9.7	242.6	
19:45	3041	3016	15.116	55.858	9.9	237.9	
20:00	3074	3052	16.231	52.348	9.6	235.0	Jörn
20:15	2996	2969	17.607	49.079	9.8	224.5	u
20:30	2970	2993	19.469	46.257	9.7	239.0	u
20:45	3457	3428	21.172	43.280	10.0	240.5	u
21:00	3474	3454	22.84	40.18	9.8	255	u
21:15	3481	3464	23.931	36.693	10.1	251.4	u
21:31	3480	3463	24.962	32.337	10.3	252.3	u
21:45	3483	3467	25.943	29.118	9.8	242.6	u
22:00	3466	3447	27.186	25.404	10.0	230.4	u
22:16	3437	3417	28.626	21.366	10.4	232.2	u
22:30	2914	2893	29.911	18.229	10.2	232.5	u
22:45	2562	2541	31.453	14.759	10.4	236.3	u
23:00	2643	2588	32.828	11.249	10.4	237.0	u
23:15	2453	2530	34.225	3° 07.684	10.4	236.8	u
23:30	2320	2299	35.638	04.060	10.0	237.5	u
23:45	2200	2184	38.016	03.751	8.8	253.3	u
0:00	2091	2076	38.989	59.843	9.2	264.8	u
0:15	1950	1928	39.42' S	55.85' E	9.2	267	Schacht
0:30	1998	1976	40.15' S	52.09' E	9.5	233	u
0:45	2019	1998	41.57' S	48.67' E	9.8	233	u
1:00	2062	2033	43.37' S	44.27' E	10.6	238	u



FOE FUSE RANGE SCALE MODE Sig Tot TIME WT R H M BEMERKUNG 45

4 4 5000 200 4 S 40 266 10 0 3 1

STATION 2090, Sto AUS

KOL in Grund, nach 1
Lagerung

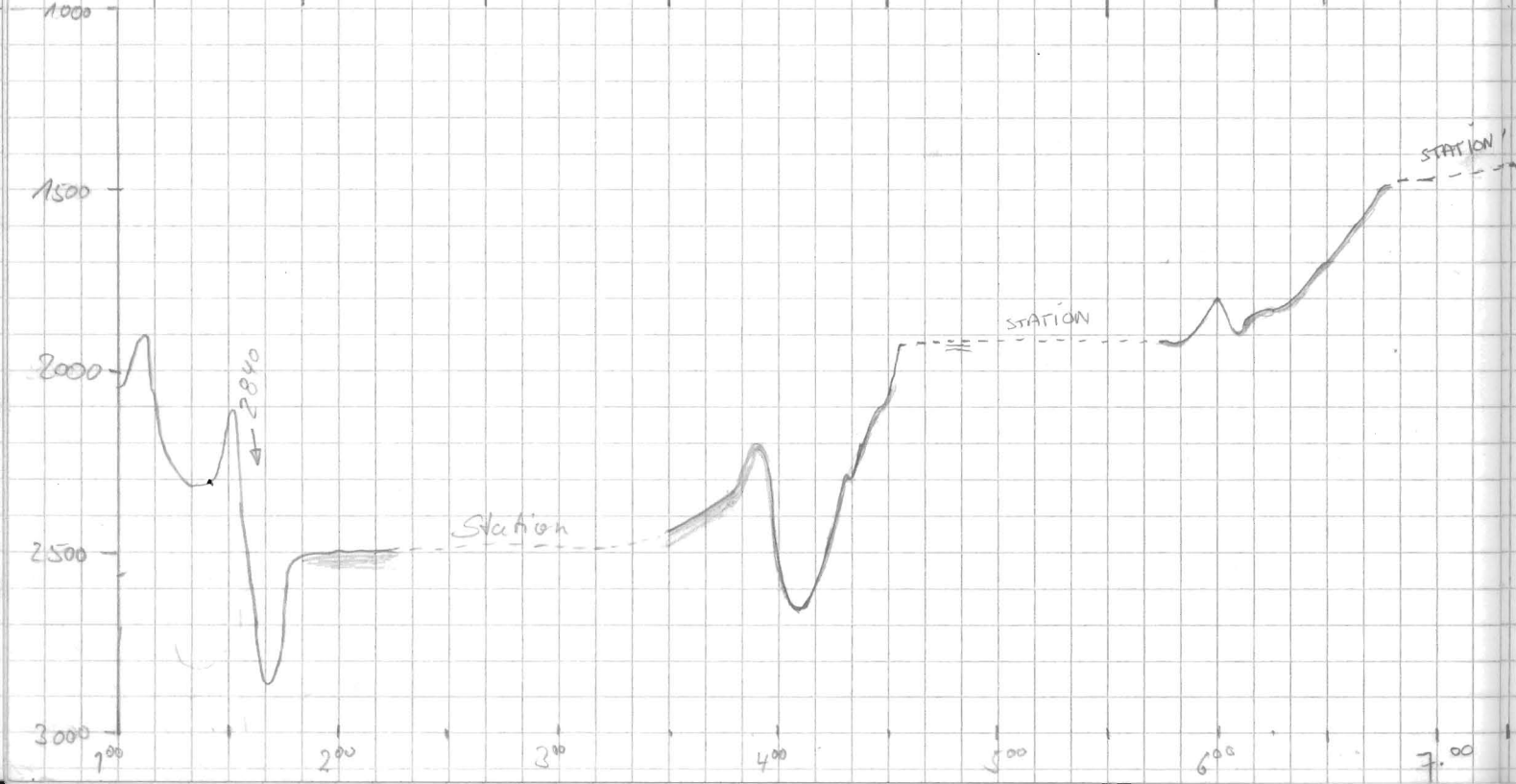
4 4 5000 200 4 S 40 266 10 0 3 1

Speicherung an

4 4 5000 200 4 S 40 266 10 0 3 1

200 300 400 500

Datum	Zeit UTC	Tiefe FRS	Tiefe HRS	Breite	Länge	Speed	Kurs	Wachposten
09.04.91	1:15	2198	2212	53° 45,08' S	3° 40,04' E	7,0	213	Schacht
	1:30	2273	2261	47,25' S	38,40' E	9,5	204	"
	1:45	2799	2788	49,51' S	37,03' E	9,5	204	"
	2:00	2561	2534	51,25' S	35,61' E	7,8 ↓	205	"
	2:15	2491	2477	52,22' S	35,39' E	7,5	179	"
	2:54	2005 DS						
	2:54	2483 Wind	2491	52,22' S	36,40' E	0,8	142	"
	3:31	2460	2435	52,69' S	35,02' E	12 ↑	184	"
	3:45	2325	2300	54,32' S	33,94' E	9,2	207	"
	4:00	2562	2525	55,98' S	32,38' E	9,5	207	"
	4:15	2397	2362	53° 58,309 S	3° 30,650 E	9,6	202	VONHOF
	4:30	2003	1984	59,758 S	29,092 E	6,8	192	"
	4:36	1928	1904	59,872 S	29,006 E	1,2	143	"
	5:11	1917		54° 005' S	03° 287' E			"
	5:48	1916	1893	54 00786 S	03° 28791 E	5,7	206	"
	6:00	1808	1798	53° 57792 S	3° 31585 E	7,7	159	"
	6:15	1826	1814	54 04429 S	3° 26116 E	9,5	205	"
	6:31	1704	1678	54 06930 S	3° 24826 E	9,2	206	"
	6:41	1470	1460	54 07963 S	3° 24008 E	1,4	146	"
	7:06	1456	1438	54° 10635 S	3° 22987 E	1,6	157	"
	7:30	1433	1412	08192 S	23294 E	1,6	217	"
	7:45	1501	1483	09837 S	21884 E	9,6	206	"
	8:00	1407	1397	12,005 S	20,244 E	9,4	204	Red Bull
	8:15	1249	1237	14,115 S	18,724 E	9,6	204	"
	8:30	1127	1110	16,227 S	16,906 E	9,7	193	"
	8:45	1000	917	17,490 S	16,221 E	0,9	235	"
	09:15	1010	937	17,129 S	16,083 E	1,0	169	"
	09:35	868	871	17,787 S	15,927 E	3,8	201	"
	9:45	696	680	18,590 S	14,794 E	8,5	221	"
	9:50	477	-	18,970 S	14,302 E	0,4	218	"
	10:15							
	10:35	460	-	18,812 S	13,877 E	7,4	186	"
	10:45	392	-	20,095 S	13,722 E	9,3	182,8	"
	11:00	204	188	22,781 S	14,042 E	9,5	167	"



Freq	Pulse	Range	Scale	Mode	Sig	Freq	Time	WT	R	H	M	Bemerkungen	47
4	4	5000	200	4	S	40	266	10	0	3	1	B1 erreicht, Kurs auf 203°	

Vollkreisung für Station,
 Strahler an => Registrierung aus
 Station 18/249
 MUC am Grund
 Station ende, weiter geht's
 STO an

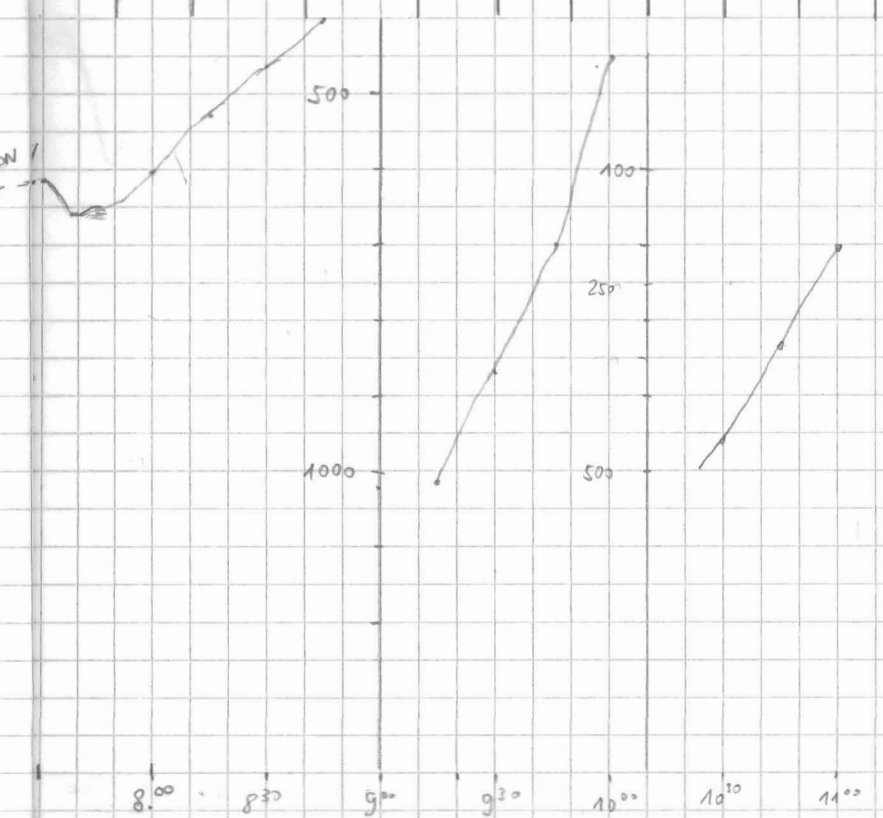
STATIONSANFANG STORAGE AUS
 MUC AM BODEN
 STORAGE AN 18/250
 STATIONSANFANG

STATIONSANFANG 18/251
 MUC AM BODEN
 STATIONSENDE

Stationstart, 18/252
 MUC AUF GRUND
 Stationsende

Stationstart, 18/253
 MUC auf Grund
 Stationsende } kein
 Tick
 INDI

4	4	1000	200	1	S	40	266	10	0	3	1	
4	4	500	200	1								



Datum	Zeit UTC	Tiefe PS	Tiefe HS	Breite	Länge	Speed	Kurs	Wache
09.04.91	11:15	151	148	54°25.050 S	3°14.669 E	9.9	179.3	Rehder
	11:30	201	195	27.531	14.532	10.6	184.8	"
	11:45	255	283	28.952	11.606	8.8	267.2	"
	12:00	347	339	29.184	07.820 E	9.2	263.7	Petzsch
	12:15	429	419	29.854 S	03.864 E	8.9	256.7	Rehder
	12:30	490	475	30.245	01.152	6.8	253	"
	13:06	521	510	30.502	00.962	1.0	247	"
	13:15	667	652	30.717	2°59.288	8.8	264	"
	13:30	907	898	31.091	55.783	4.4	255	"
	13:41	1007	996	31.276	53.747	4.6	261	"
	14:08	1023	1031	32.132	2°53.822	1.2	214	VANHOF
	14:27	1172	1154	31.032 S	53.086 E	6.3	256	"
	14:45	1315	1310	32.045 S	49.174 E	8.7	253	"
	14:56	1518	1502	32.349 S	47.902 E	0.7	170	"
	15:20	1520	1499	32.404 S	47.974 E	0.4	163	"
	15:45	1500	1491	32.578 S	47.770 E	3.7	257	"
	16:04	1893	1860	33.255 S	44.249 E	6.9	255	"
	16:20	2031	1997	33.745 S	40.882 E	4.5	252	"
	16:23	2036	2002	33.778 S	40.673 E	0.8	240	"
	16:52	2039	2004	33.606 S	40.527 E	0.2	152	"
	17:24	2039	2006	33.684 S	40.149 E	4.4	253.6	"
	17:30	2025	1994	33.898 S	39.014 E	8.4	255	"
	17:46	2203	2171	34.526 S	34.773 E	9.1	253	"
	18:01	2104	2109	35.389	31.240 E	9.1	257	10m
	18:15	2103	2080	35.800	27.924	8.7	257	"
	18:30	2271	2275	36.274	24.271	8.9	257	"
	18:45	2066	2051	36.838	20.181	9.8	256	"
	19:00	2204	2584	36.315	17.491	0.5	286	"
	19:09	2203	2571	36.488	17.501	0.1	350	"
	19:51	2203	2557	36.273	17.958	0.7	177	"



Freq	Pulse	Range	Scale	Mode	Sig	Freq	Time	WT	R	H	M
4	4	500	200	1	S	40	266	10	0	3	1
4	4	1000	200	1	S	40	266	10	0	3	1

Station 18/254
 Station beendet

5000

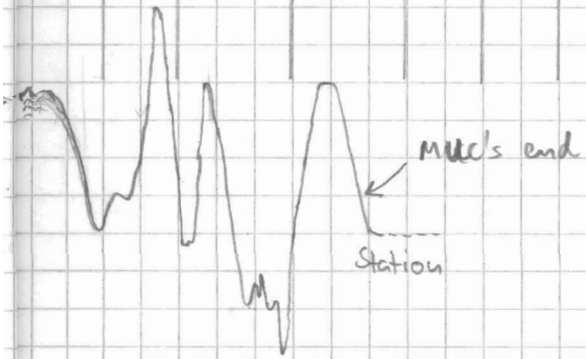
Station 18/255
 MUC AM BODEN
 FAHREN WEITER

STATION
 MUC AM BODEN
 STATIONSENDE

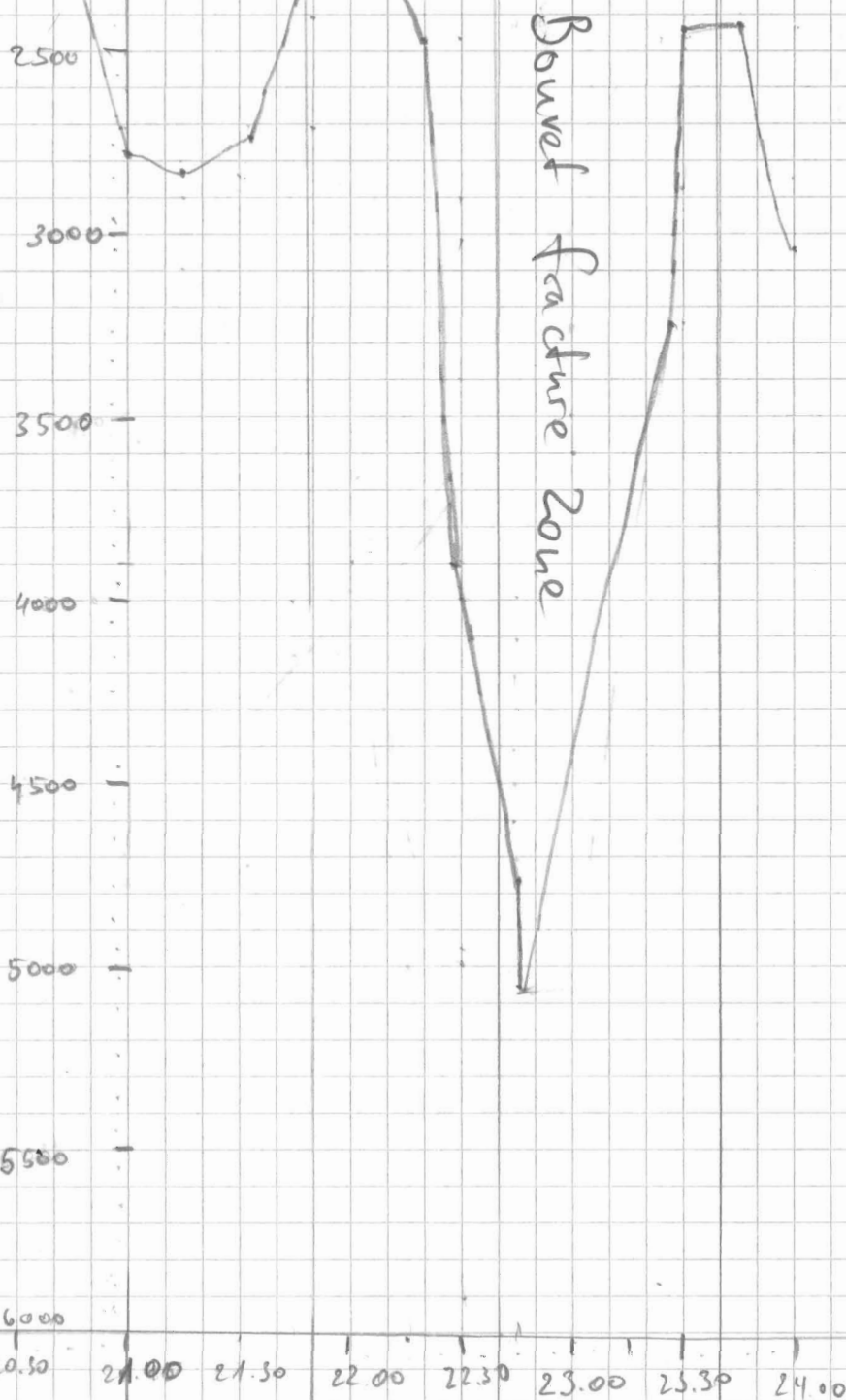
4

STATIONSANFANG
 MUC AM BODEN
 STATIONSENDE

Station ; Tiefendifferenz zu HS
 MUC am Boden



Datum	Zeit UTC	Tiefe PS	Tiefe HS	Breite	Länge	grad	Kurs	Wahlgröße
J. 4. 91	20.45	22537	2624	54° 36' 47.9" S	2° 14' 6.56" E	11.3	287.5	MK
	21.00	2780'6	2745	54° 35' 7.15" S	2° 10' 0.85" E	11.7	275.9	MK
	21.13	2827'9	2788	54° 35' 4.82" S	2° 5' 2.87" E	11.8	277.4	MK
	21.35	2730'	2739	54° 35' 30.1" S	1° 57' 3.08" E	13.3	272.2	MK
	21.50	2735	2753	54° 35' 20.3" S	1° 53' 0.25" E	12.5	271.0	MK
	22:00	1972	2002	54° 35' 00.33" S	1° 48' 6.91" E	12.9	279.9	MK
	22:20	2488??	2993	54° 34' 14.85" S	1° 41' 8.31" E	12.9	27.4	MK
	22:28	3905	4023	54° 33' 7.85" S	1° 38' 9.26" E	13.0	272.9	MK
	22:40	4774	4782					
	22:45	5066	5074	54° 33' 5.17" S	1° 33' 0.67" E	12.5	274.4	MK
	23:00		5355	54° 33' 25.35" S	1° 27' 4.59" E	12.4	274.1	MK
	23:22	3244	3283	54° 33' 5.47" S	1° 19' 7.30" E	10.4	293.1	MK
	23:30	2438	2383	54° 33' 0.55" S	1° 16' 3.14" E	11.2	288.4	MK
	23:49	2420	2478	54° 32' 3.89" S	1° 16' 2.50" E	11.9	273.7	MK
	00:04	2905	3035	54° 32' 0.66" S	1° 04' 5.25" E	12.8	275.0	MK



Freq. Puls / Range / Scale / Mode / Sig / Freq. / Time / Wt. / R / H / M / Bemerkungen

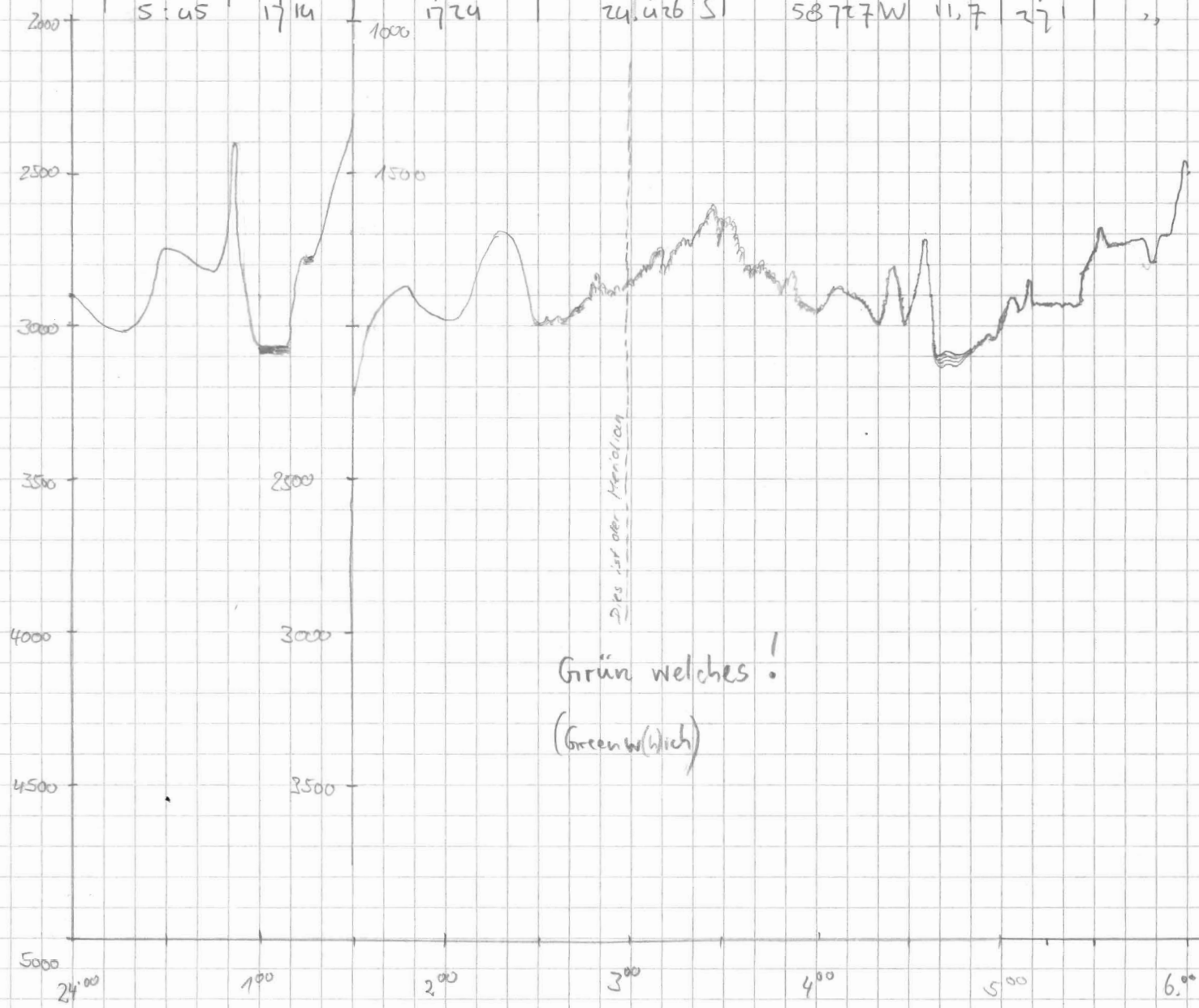
4 4 5000 200 #4 S 40 266 10 0 3 1

Tableau mit Signal erhalten
Puls - geht geht er wieder
Papierzeit von 1:50'000 auf
1:10'000 gestellt (Total)
Total in Hole in magnetologie

20%
0

PS Tiefenanzeige geht nicht

Datum	Zeit UTC	Tiefe RS	Tiefe HS	Breite	Länge	Speed	Kurs	Wache
10.04.91	00:18	3018	3038	54° 31,82' S	0° 59,65' E	12,7	275	Schmidt
	00:32	2703	2738	31,51' S	54,68' E	12,5	277	"
	00:48	2818	2803	31,19' S	48,65' E	13,2	276	"
	01:00	3066	3029	30,90' S	44,72' E	13,1	275	"
	01:15	2770	2734	30,60' S	38,96' E	12,8	275	"
	01:30	2317	2283	30,35' S	33,29' E	13,0	274	"
	01:50	1892	1890	29,80' S	25,71' E	12,9	274	"
	02:03	1925	1961	29,54' S	20,82' E	13,2	276	"
	02:19	1713	1682	29,29' S	15,10' E	13,3	274	"
	02:30	1992	1965	29,08' S	10,93' E	13,3	277	"
	02:45	1917	1894	28,77' S	05,17' E	13,1	274	"
	03:02	1864	1834	28,28' S	01,52' W	13,3	276	"
	03:15	1737	1734	27,96' S	06,38' W	12,6	276	"
	03:30	1641	1631	27,75' S	11,19' W	12,6	274	"
	03:45	1811	1799	27,47' S	17,19' W	12,0	274	"
	04:00	1931	1902	27,21' S	22,51' W	12,7	277	"
	04:16	1930	1911	54° 26,776 S	0° 28,499 W	12,7	276	VONHOFF
	04:30	1944	1903	26,478 S	33,398 W	12,9	275	"
	04:45	2105	2076	26,150 S	38,502 W	12,4	270	"
	05:00	1974	1943	25,917 S	43,638 W	12,2	275	"
	05:15	1946	1912	25,269 S	48,622 W	12,2	274	"
	05:30	1760	1740	24,746 S	53,475 W	11,6	273	"
	05:45	1714	1724	24,426 S	58,727 W	11,7	271	"



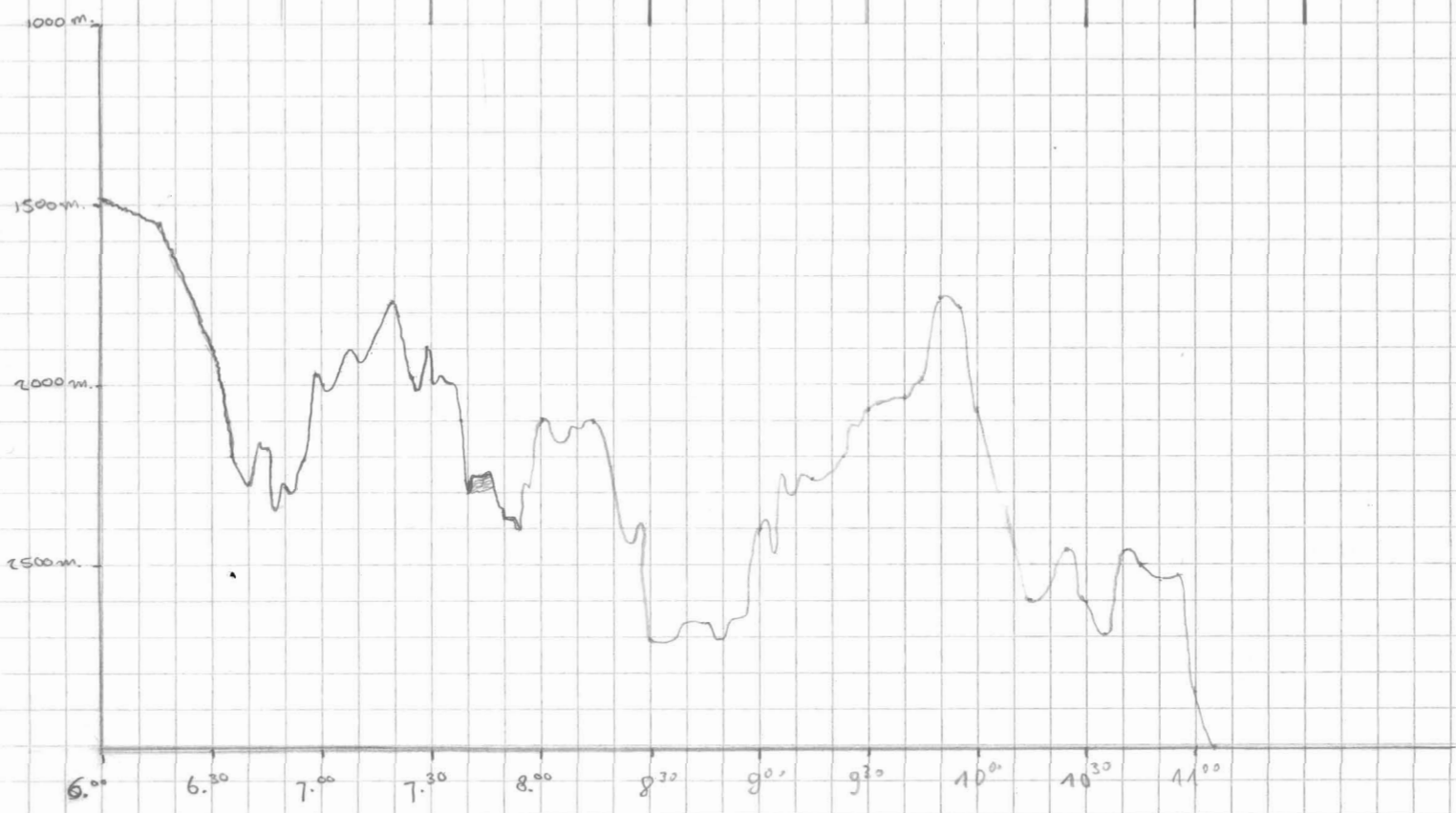
Frq	Pulse	Range	Scale	Mode	Sig	Frq	Time	Wt	R	H	M	Bemerkungen
4	4	5000	200	4	S	40	266	10	0	3	1	
4	4	5000	200	4	S	40	266	10	0	3	1	

→ Greenwich



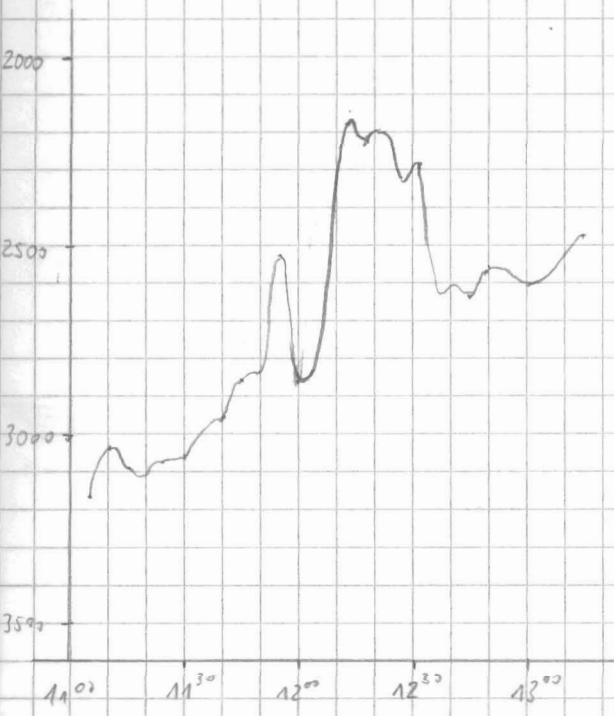
Bei der Arbeit???

DATUM	ZEIT UTC	TIEFE PS	TIEFE HS	BREITE	LÄNGE	SPEED	KURS	WACHE
10.4.91	5:45	1714	1724	54° 24' 42" S	0° 58.727 W	11.7	271	VONHOF
	6:00	1484	1471	24.550 S	1° 03.819 W	11.7	271	"
	6:15	1569	1541	24.65 S	08.87 W	11.8	275	"
	6:30	1896	1891	24.72 S	13.38 W	11.8	278	"
	6:45	2351	2326	24.273 S	18.540 W	11.8	276	"
	7:00	2012	1984	23.967 S	23.307 W	11.5	276	"
	7:15	1858	1822	23.587 S	28.033 W	11.9	283	"
	7:30	1980	1967	22.541 S	32.866 W	15.1	261	"
	7:45	2257	2222	21.458 S	37.134 W	14.1	269	"
	8:00	2038	2084	21.069 S	42.107 W	11.6	271	Rel. Wert
	8:15	2176	2151	21.196 S	47.127 W	12.7	266	"
	8:30	2713	2681	21.713 S	52.062 W	12.0	262	"
	8:45	2630	2532	21.668 S	57.127 W	11.4	280	"
	9:00	2434	2400	21.377 S	2° 01.503 W	11.2	273	"
	9:15	2251	2174	21.025 S	06.260 W	11.5	278	"
	9:30	1984	2025	20.725 S	10.937 W	9.9	270	"
	9:45	1989	1970	20.358 S	15.460 W	10.5	266	"
	10:00	2086	2188	20.623 S	20.710 W	11.0	277	"
	10:15	X	2600	20.376 S	25.163 W	11.8	274.6	"
	10:30	2604	2606	20.554 S	29.805 W	10.9	278	Rel. Wert
	10:45	2491	2471	20.463 S	34.587 W	11.1	274	"
	11:00	2854	2808	19.638 S	39.346 W	11.6	287	"
	11:15	3142	3128	18.830 S	43.722 W	11.3	280	"
	11:30	3046	3003	17.925 S	48.421 W	11.6		"
	11:45	2862	2841	17.647 S	53.231 W	11.7	268	"
	12:00	2875	2866	17.745 S	58.109 W	11.6	266	"
	12:12	2200	2472	17.751 S	3° 02.530 W	12.6	275.0	Rel. Wert
	12:30	2315	2317	16.541 S	08.221 W	12.2	275.0	"
	12:47	2548	2518	17.541 S	13.600 W	10.5	278	Rel. Wert
	13:00	2601	2566	17.137 S	17.283 W	10.0	274	"
	13:15	2429	2477	17.069 S	20.330 W	3.0	274	"

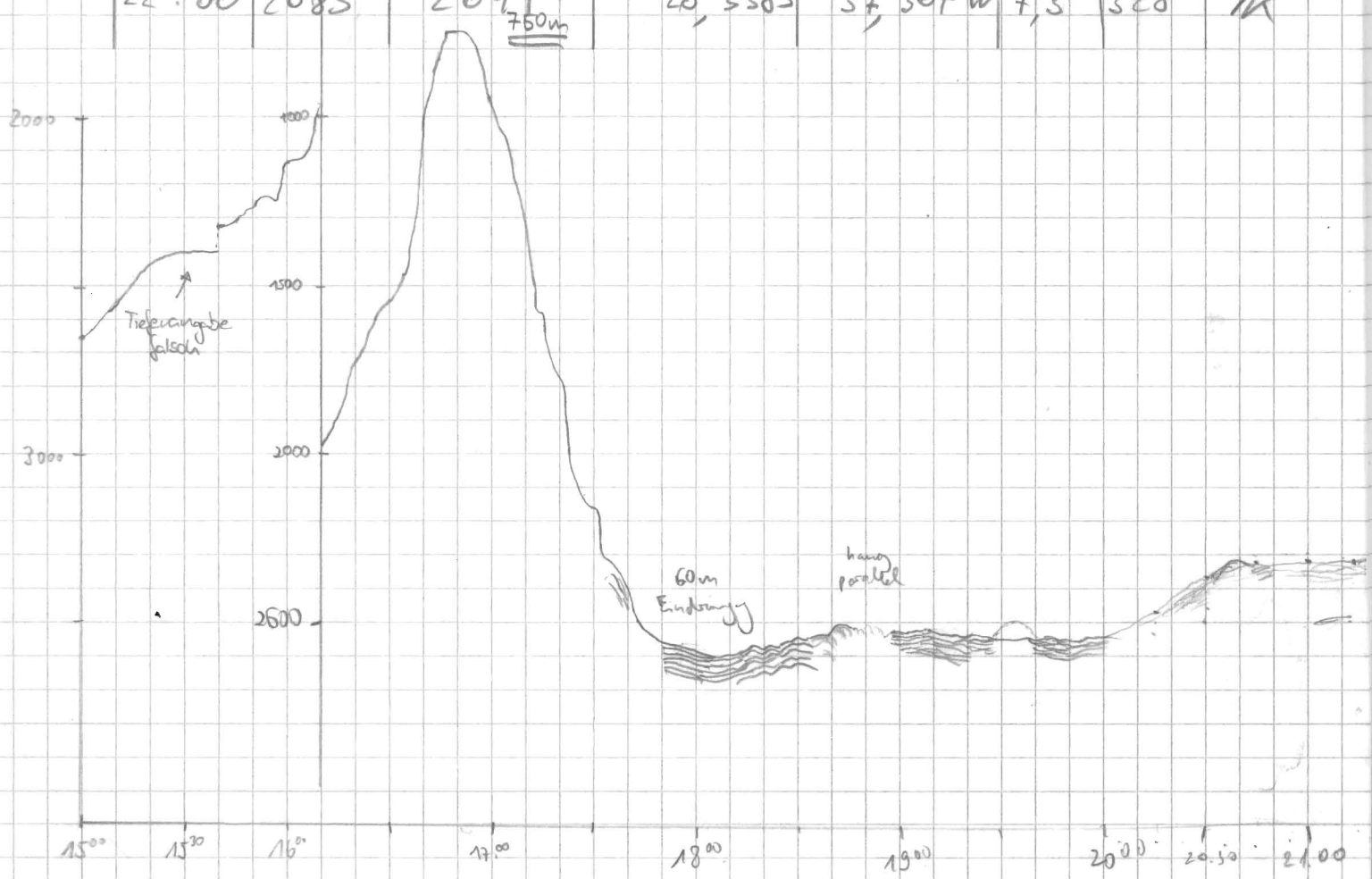


FREQ	PULSE	RANGE	SCALE	MODE	SIGN.	FREQ	TIME	WT	R	H	M	BEMERKUNGEN
4	4	5000	200	4	S	40	266	10	0	3	1	
4	4	5000	200	4	S	40	266	10	0	3	1	Geschwindigkeit ist Rekordwert! Storage off (Morphologie) on

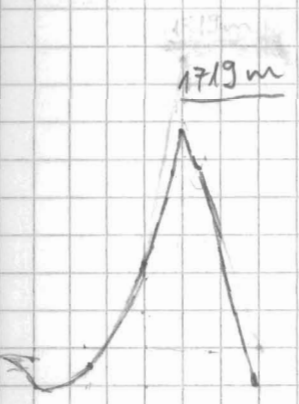
Station 18/253



Datum	Uhrzeit UTC	Tiefe PS	Tiefe HS	Breite	Länge	Speed	Kurs	Wache
10.4.91	14 ⁴⁰							
	15 ⁰⁰	2645	2620	54° 15.223 S	3° 27.774 W	11.5	324	Reinhold
	15 ¹⁵	2480	2438	12.951 S	26.543 W	19.6	322	"
	15 ³⁰	2400	2313	10.811 S	28.278 W	10.7	323	Jörn
	15 ⁴⁵	2307	2271	08.612 S	32.126 W	10.2	323	"
	16 ⁰⁰	2157	2102	06.485 S	35.027 W	10.6	321	"
	16 ¹⁵	1895	1836	04.591 S	37.920 W	10.0	319	"
	16 ³⁰	1559	1532	02.642 S	40.622 W	10.3	322	"
	16 ⁴⁵	818	772	00.640 S	43.241 W	10.4	322	"
	17 ⁰⁰	1053	1054	53° 58.480 S	45.928 W	10.6	320	"
	17 ¹⁵	1624	1638	56.612 S	48.580 W	10.6	324	"
	17 ³⁰	2161	2133	54.810 S	51.207 W	9.7	315	"
	17 ⁴⁵	2554	2546	52.977 S	54.096 W	8.9	318	"
	18 ⁰⁰	2595	2558	51.090 S	57.089 W	19.6	317	Peter-Dirk
	18 ¹⁵	2557	2520	48.998 S	59.526 W	9.8	326	"
	18 ³⁰	2539	2506	47.187 S	4° 01.650 W	9.6	329	"
	18 ⁴⁵	2504	2480	46.082 S	03.83 W	10.1	322	"
	19:00	2520	2546	43.651 S	06.09 W	10.5	322	"
	19:17	2558	2518	40.887 S	09.434 W	10.5	317	"
	19:30	2532	2564	39.446 S	11.715 W	8.1	317	"
	19:45	2583	2546	37.94 S	14.293 W	6.6	322	"
	20:00	2566	2532	36.332 S	16.583 W	9.7	320	"
	20:15	2488	2452	34.156 S	19.633 W	8.9	320	MK
	20:30	2363	2384	32.208 S	22.072 W	11.1	324	MK
	20:45	2310	2281	30.278 S	24.592 W	9.1	321	MK
	21:00	2312	2271	28.428 S	27.136 W	8.5	321	MK
	21:15	2325	2294	26.497 S	29.744 W	9.2	322	MK
	21:30	2426	2384	24.504 S	32.250 W	10.5	318	MK
	21:45	2369	2330	22.623 S	34.772 W	10.2	320	MK
	22:00	2085	2049	20.558 S	37.307 W	7.5	328	MK

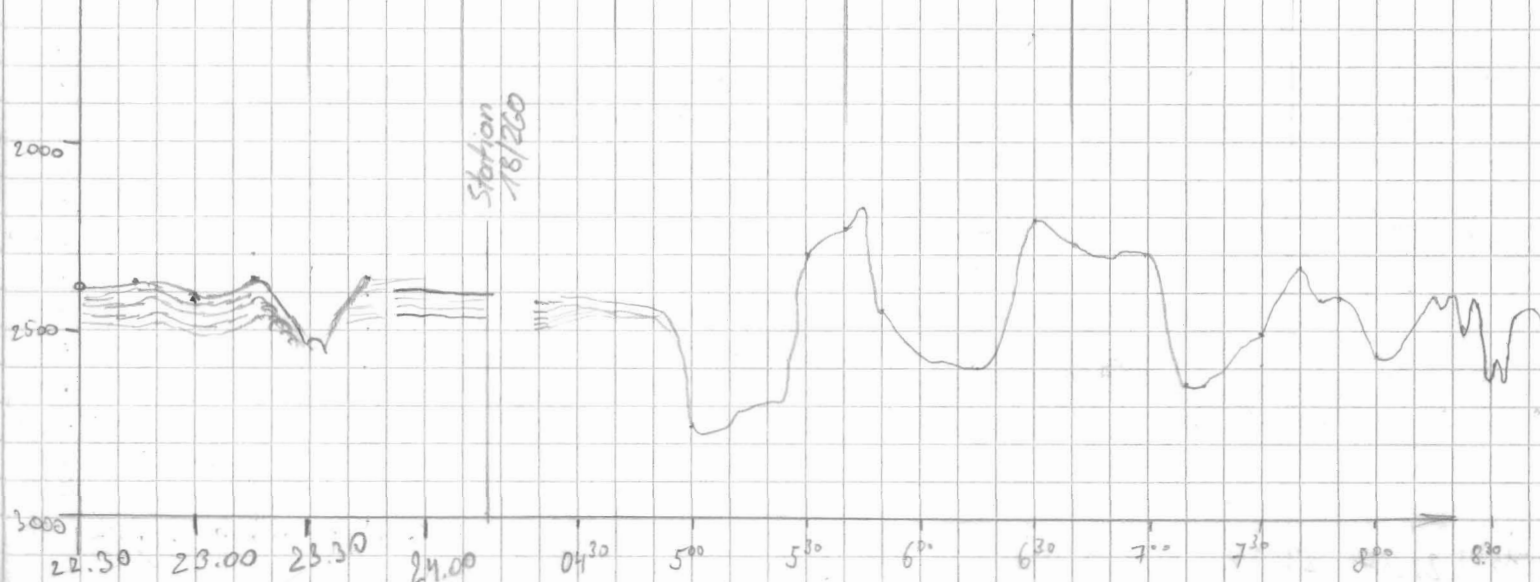


Freq	Pulse	Range	Scale	Mode	Sign	Freq	Time	WT	R	H	M	Bemerkungen
4	4	5000	200	4	S	40	266	10	0	3	1	Station beendet



21.50 22.00 22.30

Datum	Uhrzeit UTC	Tiefe PS	Tiefe HS	Breite	Länge	Speed	Wind	Wolke
10.4.91	22:15	1820	1949	53° 18.582'S	4° 40.267W	10.4	318	MK
10.4.91	22:30	2393	2354	16.833'S	42.916W	10.7	316	MK
10.4.91	22:45	2388	2348	14.938'S	45.563W	10.2	324	MK
	23:00	2407	2370	12.887'S	48.000W	9.7	317	MK
	23:15	2362	2326	11.044'S	50.298W	9.1	312	MK
	23:30	2540	2353	09.218'S	52.914W	9.1	324	MK
	23:45	2380	2354	07.357'S	55.405W	8.3	321	MK
11.4.91	24:15	2418	2380	04.479'S	59.295W	0.6	305	MK
"	1:10	2420	2386	4.45	59.6W	0.3	285	F. Niederjäger
	2:33	2425	2391	4.45	59.7W	0	280	"
	03:38	2433		4.326S	55.073W			Reinhold
	04:10	2435	2402	04.270S	5° 00.326W			Reinhold
	04:20							
	04:30							
	04:52	2749	2714	52° 57.621 S	4° 53.230 W	12.1	29.2	"
	05:30	2302	2273	51.211 S	47.403 W	13.1	31.1	"
	05:45	2275	2272	48.512 S	44.636 W	12.7	34.6	"
	06:15	2397	2354	43.290 S	38.679 W	12.6	33.6	"
	06:30	2199	2198	40.871 S	36.062 W	12.6	33.6	"
	06:45	2210	2184	38.443 S	33.744 W	10.5	31.9	"
	07:00	2206	2167	36.348 S	31.699 W	11.6	30.2	"
	07:15	2647	2672	34.023 S	29.352 W	11.2	34.7	"
	07:30	2504	2411	29.804 S	24.920 W	?	34.2	"
	07:45	2425	2446	27.282 S	22.352 W	12.3	31.4	"
	8:00	2559	2525	24.614 S	19.443 W	12.3	32.6	"
	8:15	2406	2393	22.018 S	16.969 W	12.6	35.3	Jörn
	8:30	2621	2584	19.275 S	13.964 W	12.8	34.9	"
	8:45	2483	2457	16.751 S	11.120 W	11.5	28.9	"
	9:00	2574	2615	14.052 S	08.612 W	10.3	30.9	"
	9:15	2602	2600	11.394 S	06.702 W	12.4	33.9	"
	9:30	2702	2672	08.759 S	03.230 W	12.4	33.2	"
	9:45	2153	2138	06.143 S	00.750 W	13.2	31.3	"
	10:00	2438	2409	03.407 S	3° 58.152 W	12.0	28.8	"
	10:15	2783	2842	52° 00.75 S	55.65 W	11.8	32	Marina
	10:30	2675	2643	51° 58.05 S	53.80 W	12.5	32	"
	10:45	2597	2557	55.39 S	50.18 W	12.8	33	"
	11:00	2577	2547	52.85 S	47.53 W	11.9	32	"
	11:18	2661	2630	49.67 S	44.28 W	11.9	32	"



Freq	Pulse	Range	Scale	Mode	Sign	Freq	Time	Wt	R	H	M	Bemerkungen
4	4	5000	200	4	S	40	266	10	0	3	1	

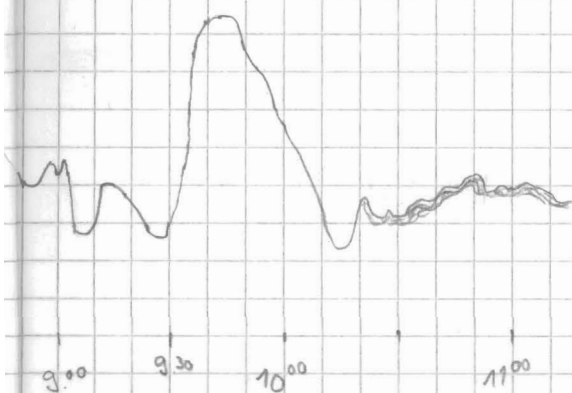
Station 18/260
 MUC am Grund
 Storage abgeteilt (MK)
 SL am Grund

0.9

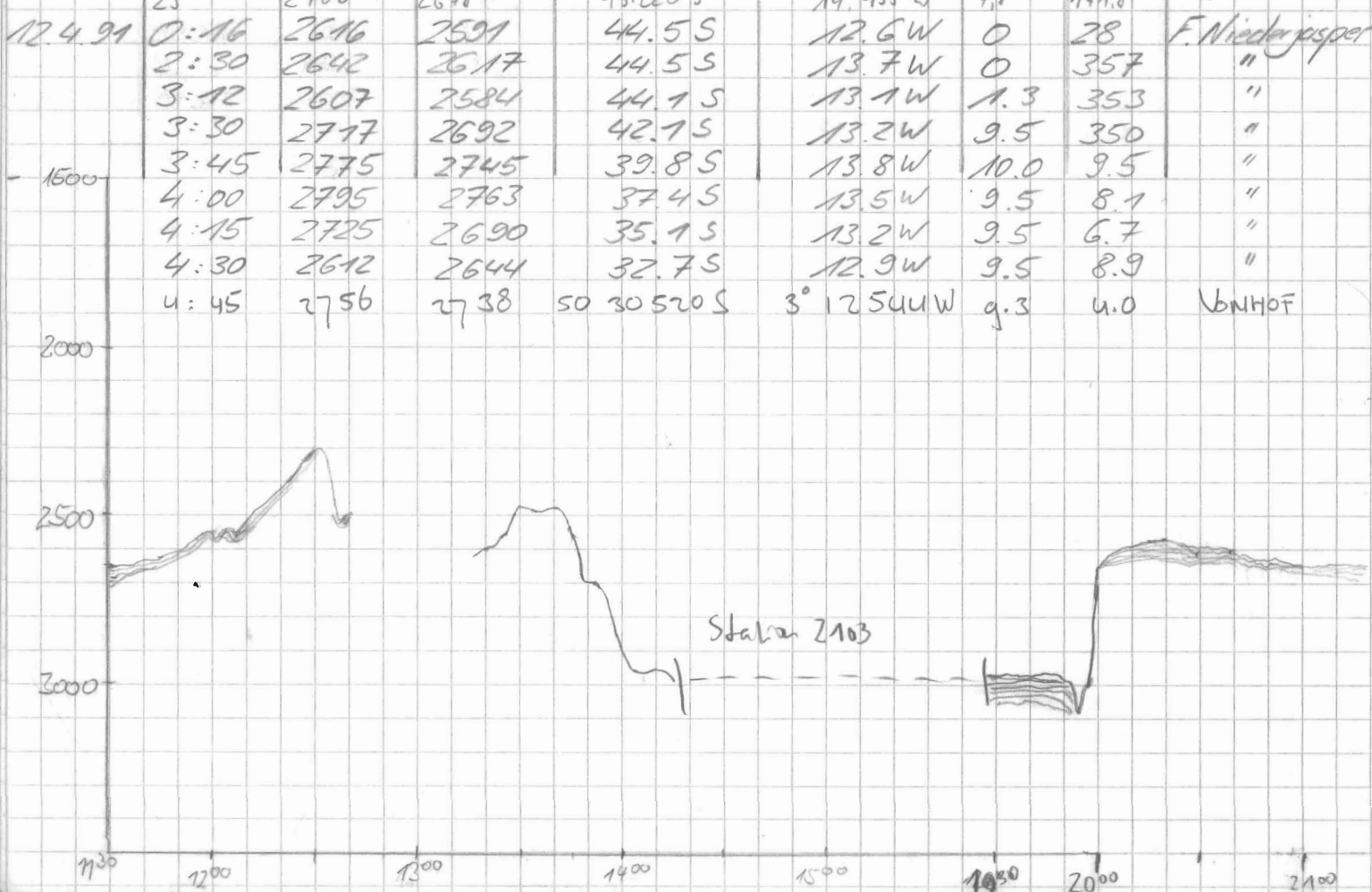
1

4	4	5000	200	4	S	40	266	10	0	3	1	
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↳ Frequenztest
 Frequenztest Ende
 keine digitalen Daten
 3852 verklemmt → Neustart
 Backup Nr. 13



Datum	Uhrzeit	Tiefe FS	Tiefe HS	Breite	Länge	Speed	Kurs	Wachposten
11.04.91	11:30	2645	2628	51° 47,70' S	3° 42,35' W	12,0	31°	Marina
	11:45	2624	2592	45,09' S	39,83' W	12,6	30°	"
	12:00	2543	2524	42,58' S	37,26' W	11,5	35°	"
	12:15	2506	2476	39,97' S	34,72' W	12,0	30°	Thomas
	12:30	2523	2489	37,48' S	32,31' W	12,2	31°	"
	12:40							
	13:30	2489	2483	27,164 S	20,159 W	12,3	30°	Jörn
	13:46	2640	2630	24,449 S	30,010 W	10,7	40°	"
	14:00	2888	2868	21,906 S	19,662 W	10,9	6°	"
	14:15	2983	2951	19,248 S	19,357 W	10,4	30°	"
	14:35	2979	2959	19,757 S	19,386 W	0,4	184,7	MK
	15:04	2979	2946	51° 19,741 S	3° 19,437 W	0,7	79,2	Norbert
	16:25	2979	2947	51° 19,835 S	3° 19,376 W	0,6	255	"
	19:30	2969	2934	19,576 S	19,113 W	9,1	0,3	Pelchick
	19:45	2948	2917	15,220 S	19,427 W	9,0	4,3	"
	20:00	2671	2652	12,838 S	19,319 W	10,0	7,7	"
	20:15	2573	2542	10,402 S	18,784 W	9,7	4,6	Pelchick
	20:30	2590	2572	08,141 S	18,194 W	9,2	10,7	"
	20:45	2599	2571	05,784 S	17,546 W	9,5	8,2	"
	21:00	2665	2640	03,399 S	17,088 W	9,6	4,1	"
	21:15	2667	2649	00,999 S	16,899 W	9,5	6,1	"
	21:30	2705	2672	50° 58,837 S	3° 16,564 W	8,8	6,0	"
	21:45	2579	2550	56,455 S	16,122 W	9,5	7,7	"
	22:00	2547	2519	53,984 S	15,552 W	10,1	2,6	"
	22:15	2632	2608	51,537 S	15,339 W	10,3	3,2	"
	22:30	2621	2593	48,982 S	15,103 W	10,5	0,9	"
	22:45	2696	2662	46,335 S	14,883 W	9,6	6,9	"
	23:00	2647	2615	43,994 S	14,468 W	9,4	5,3	"
	23:15	2706	2678	43,220 S	14,455 W	7,8	171,8	"
12.4.91	0:16	2616	2591	44,5 S	12,6 W	0	28	F. Niederjäger
	2:30	2642	2617	44,5 S	13,7 W	0	357	"
	3:12	2607	2584	44,1 S	13,1 W	1,3	353	"
	3:30	2717	2692	42,1 S	13,2 W	9,5	350	"
	3:45	2775	2745	39,8 S	13,8 W	10,0	9,5	"
	4:00	2795	2763	37,4 S	13,5 W	9,5	8,1	"
	4:15	2725	2690	35,1 S	13,2 W	9,5	6,7	"
	4:30	2612	2644	32,7 S	12,9 W	9,5	8,9	"
	4:45	2756	2738	50 30 520 S	3° 12,544 W	9,3	4,0	UbnHof



Frg Pulse Range Scale Mode Sig Frg Time We R H M Bemerkungen

4 4 5000 200 4 S 40 266 10 0 3 1

Backup Nr. 014

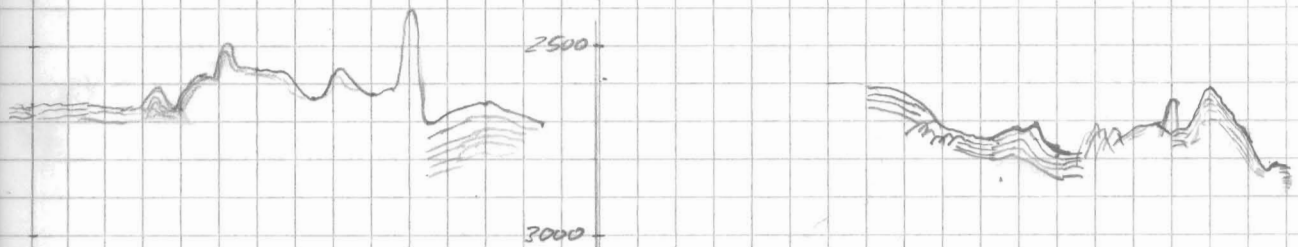
Station 18/261
SL AM BODEN
MUC AM BODEN

4 4 5000 200 4 S 40 266 10 0 3 1

ant. gegenüber Stationsuche
Station 18/262 MUC am Grund
SL am Grund
Station beendet, Speicher am

4 4 5000 200 4 S 40 266 10 0 3 1

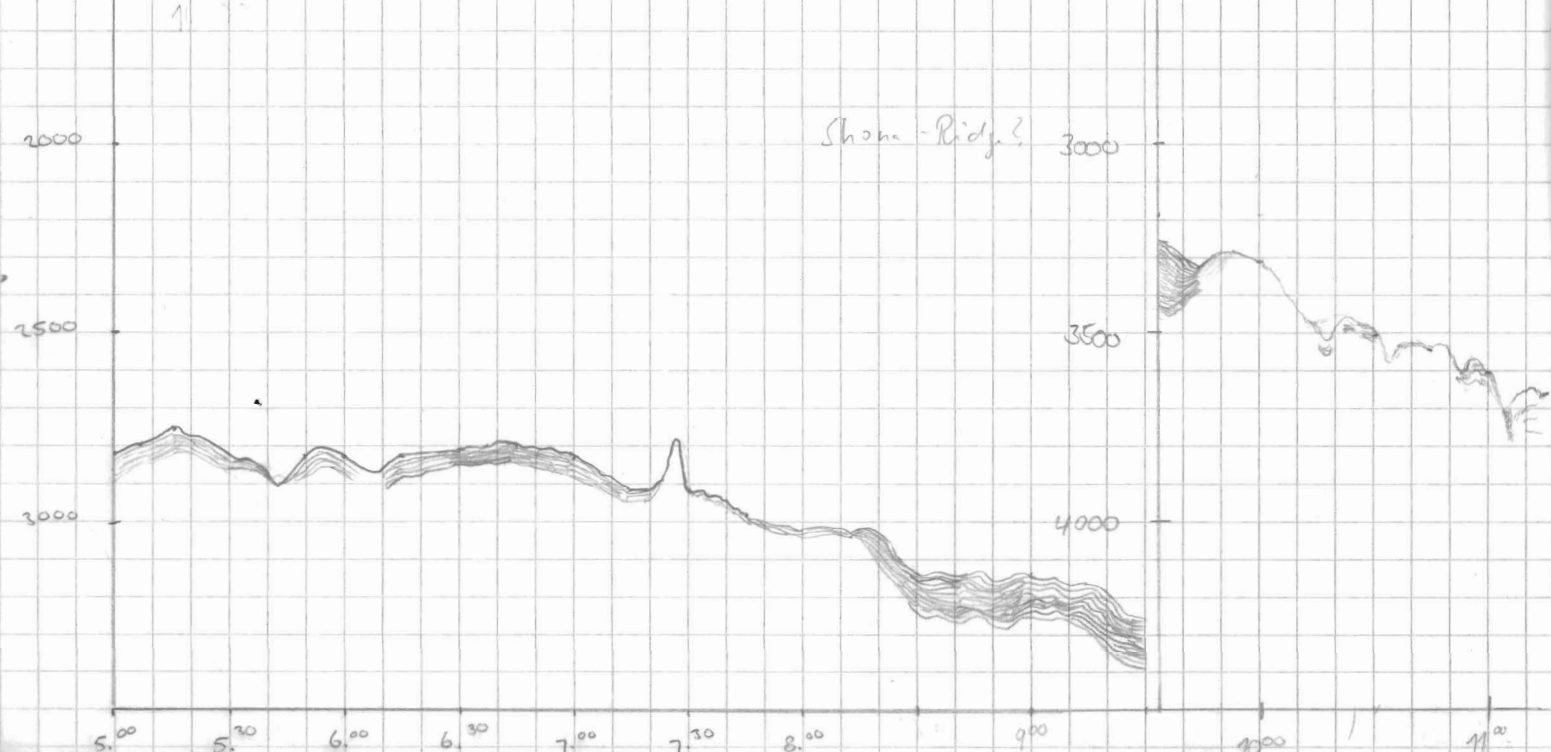
4 4 5000 200 4 S 40 266 10 0 3 1



12.4.

21³⁰ 22⁰⁰ 22²⁰ 23⁰⁰ 23²⁰ 0⁰⁰ 03⁰⁰ 04⁰⁰ 05⁰⁰

Datum	Uhrzeit UTC	Tiefe P	Tiefe H	Breite	Länge	Speed	Kurs	Wach
12.4.91	05:00	2824	2796	50° 27,933 S	03° 12,143 W	9.7	006.3	VONHOF
	05:15	2754	2741	25,588 S	11,834 W	9.4	004.2	"
	05:30	2816	2789	23,142 S	11,511 W	9.8	003.6	"
	05:45	2886	2836	20,810 S	11,297 W	9.5	004.3	"
	06:00	2835	2818	18,451 S	10,976 W	9.7	005.8	"
	06:15	2838	2808	16,285 S	10,517 W	9.6	007.6	"
	06:30	2806	2786	13,96 S	10,32 W	8.0	004.2	"
	06:45	2797	2765	11,82 S	10,05 W	8.3	005.1	"
	07:00	2831	2799	09,765 S	09,714 W	8.1	5.6	"
	07:15	2912	2877	06,576 S	08,694 W	9.2	353.5	"
	07:30	2931	2908	04,510 S	08,711 W	8.1		"
	07:45	2981	2951	50° 02,249 S	03° 08,445 W	9.0	001.7	"
	8:00	3027	2999	50° 00,00 S	08,20 W	10.5	4.9°	Schädel
	8:15	3067	3039	49° 57,00 S	7,90 W	12.5	4.0°	"
	8:30	3124	3093	53,82 S	7,48 W	12.5	6.6°	"
	8:45	3143	3120	50,71 S	7,05 W	12.6	7.3°	"
	9:00	3114	3084	49,57 S	6,28 W	12.8	4.9°	"
	9:15	3172	3145	44,55 S	6,09 W	12.4	7.7°	"
	9:30	3263	3222	41,50 S	5,51 W	12.8	1.4°	"
	9:45	3323	3285	38,58 S	5,25 W	12.4	5.2°	"
	10:00	3322	3291	35,425 S	4,792 W	11.7	5.2°	Lo-Schmidt
	10:15	3471.5	3457	32,344 S	4,399 W	12.3	6.0°	
	10:30	3508	3481	29,406 S	4,001 W	12.6	5.3°	
	10:49	3544	3522	25,417 S	3,502 W	12.4	7.6°	
	11:01	3619	3594	22,825 S	2,976 W	12.2	3.0°	
	11:15	3665	3635	20,151 S	2,729 W	12.5	3.0°	
	11:30	3801	3796	17,129 S	2,379 W	11.9	5.2°	
	11:45	3954	3926	13,985 S	1,978 W	12.5	5.6°	
	12:00		3775	10,937 S	1,430 W	12.7	7.0	Redden
	12:15	3484	3472	07,854 S	0,960 W	12.0	3.3	Jörn S.
	12:30	3556	3558	04,859 S	0,647 W	12.1	1.6	"
	12:45	4158	4176	01,836 S	0,224 W	12.5	4.1	"
	13:00	4365	4356	48° 58,812 S	2° 59,491 W	12.7	16.1	"
	13:15	4154	4148	55,829 S	57,998 W	10.3	18.4	"
	13:30	3053	3009	51,984 S	56,478 W	10.5	17.7	"
	13:45	3609	3575	49,900 S	54,884 W	10.6	18.1	"



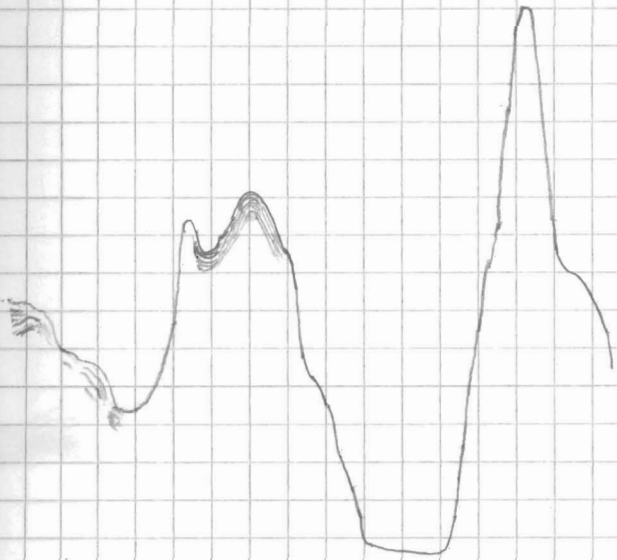
Frg Pulse Range Scale Mode Sig Frg Time Wt R H M Bemerkungen

4 4 5000 200 4 S 40 266 10 0 3 1

4 4 5000 200 4 S 40 266 10 0 3 1

4 4 5000 200 4 S 40 266 10 0 3 1

Paradigma Routine Error → Neustart



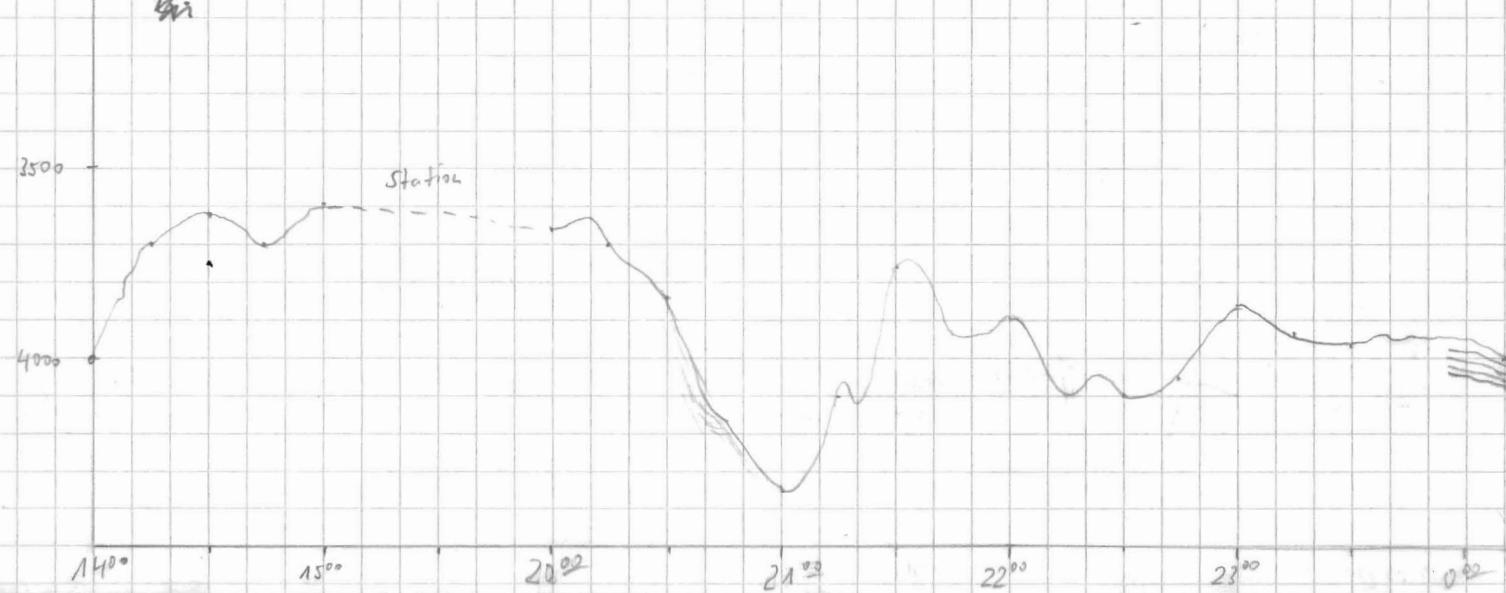
12:00

13:00

14:00

Datum	Zeit UTC	Tiefe PS	Tiefe H _g	Breite	Länge	Speed	Kurs	Wache
12.4.	14 ⁰⁰	3949	3921	48°46.886	2°53.406	10.0	18.1	Jörn J.
	14 ¹⁵	3694	3670	43.8245	51.955 W	12.2	16.2	Reddel
	14 ³⁰	3612	3602	40.986	50.554	12.3	20.1	"
	14 ⁴⁵	3706	3690	40.099	49.390	6.5	193.5	"
	15 ⁰⁰	3591	3580	41.5745	50.782 W	1.2	284.2	"
	15 ¹⁵							
	17 ⁰⁰	3611	3606	41.726	50.859	1.1	289	Jörn J.
	20 ⁰⁰	3652	3647	40.365	50.248	11.9	18.1	Reddel
	20 ¹⁵	3638	3676	37.467	49.032	12.0	18.2	"
	20 ³⁰	3850	3843	34.565	47.615	11.8	18.3	"
	20 ⁴⁵	4188	4180	31.676	46.170	11.1	14.2	"
	21 ⁰⁰	4352	4349	28.751	45.026	12.5	17.6	"
	21 ¹⁵	4103	4158	25.573	43.748	11.7	16.9	"
	21 ³⁰	3752	3773	23.179	42.328	11.3	17.9	"
	21 ⁴⁵	3920	3925	20.516	41.031	10.3	19.1	"
	22 ⁰⁰	4000	4010	17.611	39.702	11.2	19.3	"
	22 ¹⁵	4112	4119	15.026	38.355	12.4	16.1	"
	22 ³⁰	4094	4078	12.316	36.931	11.0	15.5	"
	22 ⁴⁵	4050	4066	09.807	35.900	10.6	10.3	"
	23 ⁰⁰	3860	3848	07.328	34.883	10.0	17.5	"
23 ¹⁵	3923	3913	04.889	33.730	9.8	19.3	"	
23 ³⁰	3970	3951	01.669	31.829	9.5	12.6	"	
23 ⁴⁵	3940	3937	47°53.0325	2°30.829 W	10.1	13.8	"	

13.4	00 ⁰⁰	3973	3965	56.334	29.562	12.1	15.4	"
	0:15	3998	3985	53.45	28.5 W	12.0	17.0	F. Niederjager
	0:30	4016	4004	50.6	27.2	9.0	17.0	"
	0:45	4060	4045	47.8	25.9	11.8	20.8	"
	1:00	4097	4084	44.9	24.6	12.6	15.3	"
	1:15	4126	4116	42.0	23.2	11.5	16.2	"
	1:30	4175	4166	39.1	22.0	12.0	10.6	"
	1:45	4172	4161	36.1	20.7	12.3	15.8	"
	2:00	4206	4193	33.2	19.7	12.4	15.8	"
	2:15	4187	4180	30.1	17.8	12.0	15.0	"
	2:30	4056	4046	27.4	16.5	12.6	18.7	"
	2:45	4046	4041	24.3	15.1	12.7	17.4	"
	3:00	4044	4032	21.3	13.7	12.5	18.5	"
	3:15	4080	4066	18.3	12.4	12.9	14.8	"
	3:30	4097	4086	15.3	10.9	12.7	21.1	"
	3:45	4101	4088	12.2	9.5	12.3	16.1	"

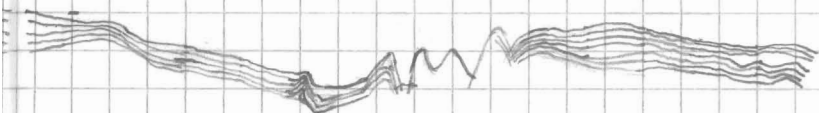


Fq	Pulse	Range	Scale	Mode	Sig	Freq	Time	Wt	R	H	M	Bemerkungen
4	4	5000	200	4	5	40	266	10	0	3	1	
4	4	5000	200	4	5	40	266	10	0	3	1	Antenne Station 18/263 Station 18/263 Aufg. SL auf Grund Backup Nr. 015 MUC unten Station beendet

Windstärke 9

Wind 10

Wind 11 ööörks!!



0100

0200

0300

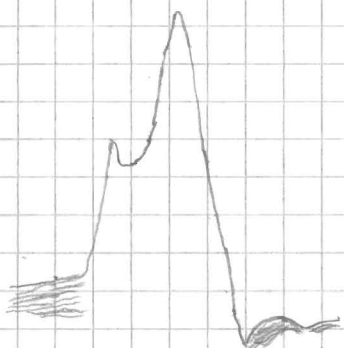
0400

0500

Datum	Zeit UTC	Tiefe PS	Tiefe HS	Breite	Länge	Speed Km	Kurs	Wache
13.4.91	4:00	4105	4097	47° 09,157 S	2° 08,186 W	12.9	017	NONHOF
	4:15	4114	4103	06,212 S	07,095 W	12.9	014	"
	4:30	4109	4097	03,192 S	05,693 W	12.5	016	"
	4:45	4103	4094	00,226 S	04,228 W	12.4	016	"
	5:00	4119	4103	46° 57,448 S	02,973 W	12.5	017	"
	5:15	4152	4144	54,384 S	01,557 W	12.9	017	"
	5:30	?	41,64			12.7	017	"
	5:45	4137	4127	46° 48,420 S	01° 58,945 W	12.3	018	"
	6:00	4127	4114	45,607 S	57,602 W	12.4	019	"
	6:15	4125	4114	42,753 S	56,186 W	11.6	017	"
	6:30	4107	4097	40,440 S	53,678 W	11.5	046	"
	6:45	4119	4105	37,921 S	51,867 W	11.8	025	"
	7:00	4112	4099	35,05 'S	50,13 'W	11.5	012	"
	7:15	4131	4120	32,095 S	49,015 W	12.0	013	"
	7:30	4097	4085	29,367 S	47,960 W	11.4	015	"
	7:45	4096	4077	26,631 S	46,925 W	11.2	015	"
	8:00	4115	4098	46° 23,854 S	01° 45,830 W	12.6	015	"
	8:15	4094	4080	20,798 S	44,765 W	11.6	14	Schreitwille
	8:30	4086	4072	18,089 S	43,920 W	10.5	13	"
	8:45	4098	4083	15,208 S	43,016 W	12.3	11	"
	9:00	4143	4131	12,296 S	42,122 W	11.1	10	"
	9:15	4117	4105	09,296	41,186	11.5	12	"
	9:30	4152	4147	06,591	40,430	11.9	12	"
	9:45	4129	4118	03,860	39,499	11.4	14	"
	10:00	4115	4103	00,970	38,343	11.5	19	"
	10:15	4114	4102	45° 58,126	1° 36,973	10.2	23	"
	10:30	4069	4068	55,397	35,719	10.9	19	"
	10:45	3706	3735	52,680	34,386	11.7	18	"
	11:00	3454	3434	49,858	33,215	11.7	14	"
	11:15	4008	4123	47,087	32,124	12.2	18	"
	11:30	4182	4171	44,157	30,873	12.6	13	"
	11:45	4192	4186	41,392	29,740	11.7	18	"
	12:00	4171	4158	38,575	28,442	11.8	20	Lo-Schmid

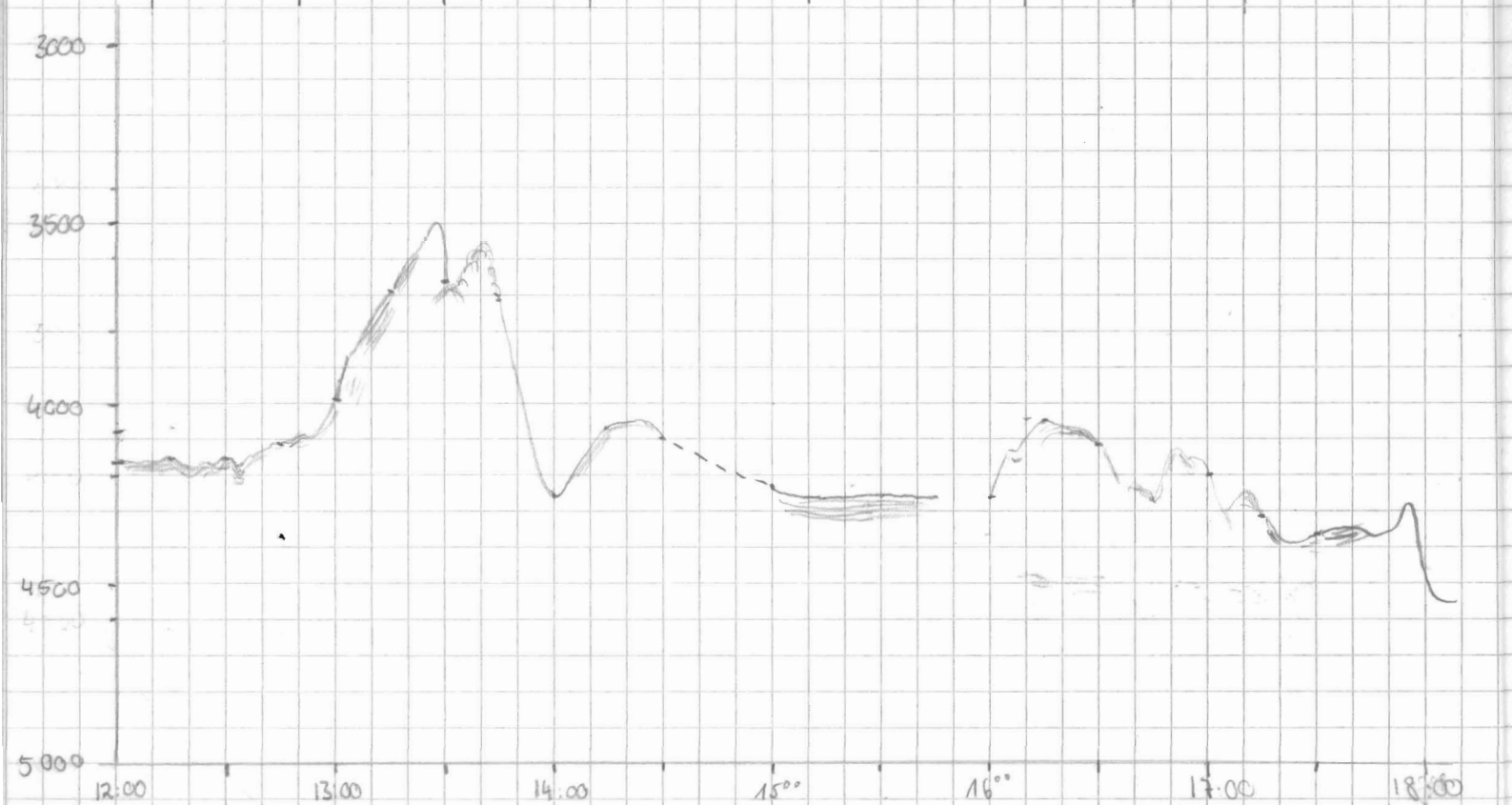


4 4 5000 100 4 S 40 266 10 0 3 1



10.30 11.00 12.00

Datum	Zeit UTC	Tiefe PS	Tiefe HS	Breite	Länge	Speed kn	Kurs	Wache
13.04.91	12:15	4156	4147	45° 35.766 S	1° 27.158 W	12.1	16.3	Lo-Schmidt
	12:30	4155	4139	32.781 S	26.202	11.5	15.7	
	12:45	4116	4103	30.038	25.031	11.4	16.7	
	13:00	3909	3906	27.445	23.842	11.6	18.3	
	13:15	3684	3668	24.673	22.459	11.0	17.9	
	13:30	3678	3675	21.955	21.251	10.8	20.8	
	13:45	3713	3762	19.257	19.996	11.5	17.1	
	14:00	4254	4262	16.457	18.951	11.5	18.7	Rehder
	14:15	4069	4078	17.774	17.987	10.0	15.6	"
	14:30	4098	4085	11.154	16.789	11.1	19.5	"
	14:45							
	15:00	4213	4203	05.899	14.659	11.0	15.8	"
	15:15	4276	4260	03.199	13.588	10.4	19.5	"
	15:30	4279	4272	00.450	12.447	11.2	20.3	"
	15:45	4273	4262	44° 57.629 S	1° 11.118 W	12.3	18.9	"
	16:00	4270	4262	54.870 S	10.022 W	12.3	20.5	"
	16:15	4039	4028	52.155	08.737 W	11.3	17.8	Lo-Schmidt
	16:30	4115	4126	49.392	07.495	11.5	17.5	
	16:45	4267	4292	46.560	06.336	12.0	14.4	
	17:00	4200	4195	43.722	05.334	11.3	14.3	
	17:15	4314	4308	40.924	04.286	12.1	16.2	
	17:30	4335	4328	37.950	03.335	12.2	16.1	
	17:48	4354	4350	35.042	01.501	11.7	18.0	
	18:00	4456	4453	32.826	1° 00.566 W	10.7	15.2	Petralinde
	18:15	4513	4520	30.050	0° 59.340 W	11.7	16.2	"
	18:30	4467	4460	27.460	58.354 W	11.3	16.4	"
	18:46	4548	4539	24.455	57.041 W	12.3	16.1	"
	19:00	4576	4569	21.846	56.043 W	11.3	13.0	"
	19:15	4531	4527	19.000	55.082	10.4	20.0	"
	19:30	4486	4485	16.241	53.802	12.1	19.6	"
	19:45	4493	4493	13.472	52.510	11.5	15.9	"
	20:00	4494	4489	10.659	51.251 W	12.4	17.5	"



Frq	Pulse	Range	Scale	Mode	Sig	Frq	Time	Wt	R	H	M
4	4	5000	200	4	5	40	266	10	0	3	1
4	4	5000	200	4	5	40	266	10	0	3	1
4	4	5000	200	4	5	40	266	10	0	3	1

Funkentfernung \rightarrow Range 0-200m

$\Delta(PS-HS) \approx 120m$
o.k.

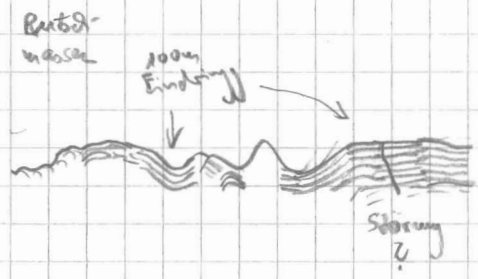
Packup Nr. 016
DESO-Error 042
o.k.
DESO-Error 042

$\Delta(PS-HS) > 100m$

✓
E064
 $\Delta(PS-HS) > 150m$

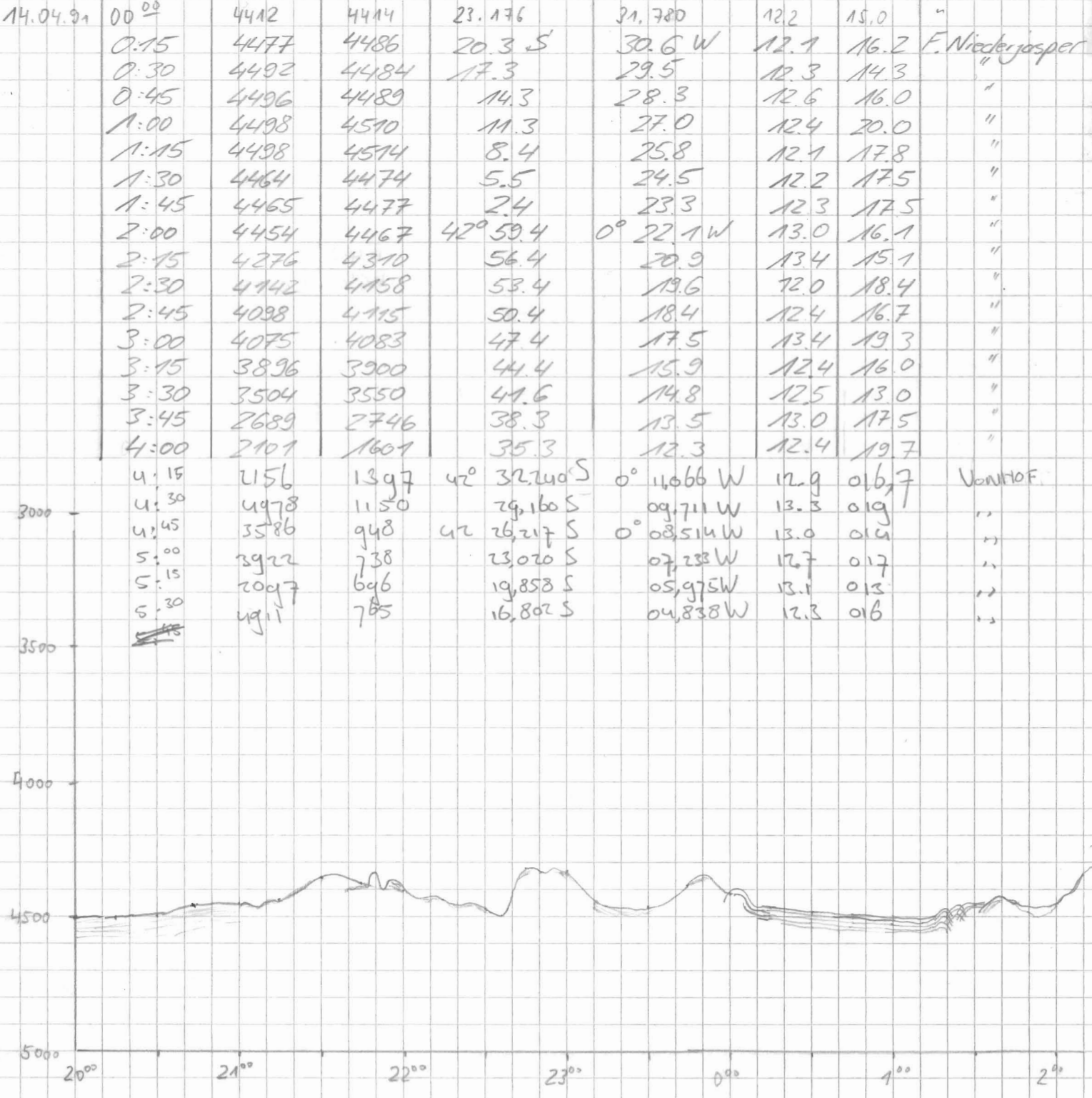
Papierwechsel

E42
E64 Dig/Aus



18.00 19.00 20.00

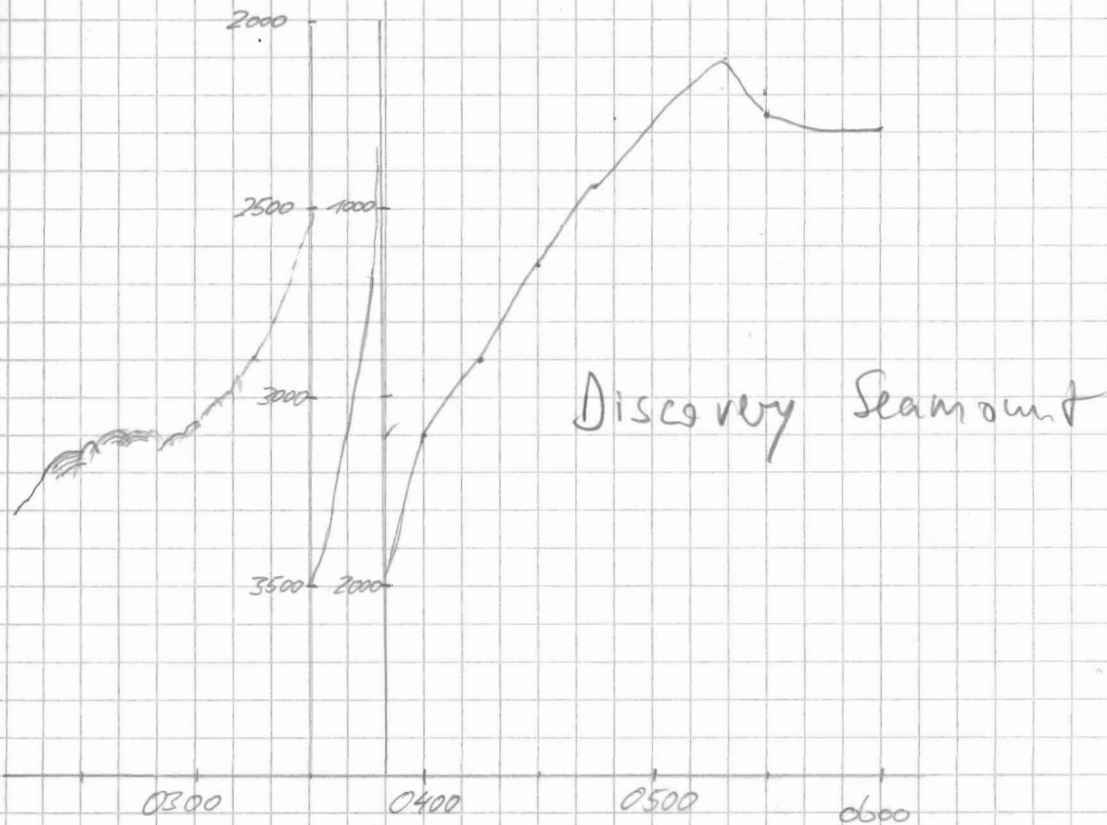
Datum	Uhrzeit UTC	Tiefe PS	Tiefe HS	Breite	Länge	Speed	Kurs	Wach
13.04.91	20 ¹⁵	4495	4485	44° 07.726 S	0° 50' .217 W	12.6	14.5	Rehder
	20 ³⁰	4495	4469	04.709 S	49' 099 W	12.6	15.3	"
	20 ⁴⁵	4460	4457	01.632	47' 834	12.1	19.3	"
	21 ⁰⁰	4461	4455	43° 58.621	46.513	12.3	16.3	"
	21 ¹⁵	4432	4427	55.892	45.200	12.8	17.6	"
	21 ³⁰	4346	4345	52.865	43.864	13.2	16.0	"
	21 ⁴⁵	4379	4370	49.831	42.590	13.3	16.9	"
	22 ⁰⁰	4395	4392	46.916	41.397	12.3	15.7	"
	22 ¹⁵	4432	4425	43.866	40.217	12.8	15.9	"
	22 ³⁰	4467	4459	40.896	38.974	12.3	15.5	"
	22 ⁴⁵	4317	4308	38.135	37.869	12.2	15.9	"
	23 ⁰⁰	4328	4344	35.238	36.727	12.3	15.4	"
	23 ¹⁵	4469	4461	32.011	35.504	12.9	16.1	"
	23 ³⁰	4469	4464	29.116	34.261	12.4	17.4	"
	23 ⁴⁵	4384	4392	26.198	32.963	12.6	16.8	"
14.04.91	00 ⁰⁰	4412	4414	23.176	31.780	12.2	15.0	"
	0:15	4477	4486	20.3 S	30.6 W	12.1	16.2	F. Niedergasper
	0:30	4492	4484	17.3	29.5	12.3	14.3	"
	0:45	4496	4489	14.3	28.3	12.6	16.0	"
	1:00	4498	4510	11.3	27.0	12.4	20.0	"
	1:15	4498	4514	8.4	25.8	12.1	17.8	"
	1:30	4464	4474	5.5	24.5	12.2	17.5	"
	1:45	4465	4477	2.4	23.3	12.3	17.5	"
	2:00	4454	4467	42° 59.4	0° 22.1 W	13.0	16.1	"
	2:15	4276	4310	56.4	20.9	13.4	15.1	"
	2:30	4142	4158	53.4	19.6	12.0	18.4	"
	2:45	4098	4115	50.4	18.4	12.4	16.7	"
	3:00	4075	4083	47.4	17.5	13.4	19.3	"
	3:15	3896	3900	44.4	15.9	12.4	16.0	"
	3:30	3504	3550	41.6	14.8	12.5	13.0	"
	3:45	2689	2746	38.3	13.5	13.0	17.5	"
	4:00	2101	1601	35.3	12.3	12.4	19.7	"
	4:15	2156	1397	42° 32.200 S	0° 11.066 W	12.9	016.7	VANTHOFF
	4:30	4978	1150	29.160 S	09.711 W	13.3	019.1	"
	4:45	3586	948	42 26.217 S	0° 08.514 W	13.0	014	"
	5:00	3922	738	23.020 S	07.238 W	12.7	017	"
	5:15	2097	646	19.858 S	05.975 W	13.1	013	"
	5:30	4911	785	16.802 S	04.838 W	12.3	016	"



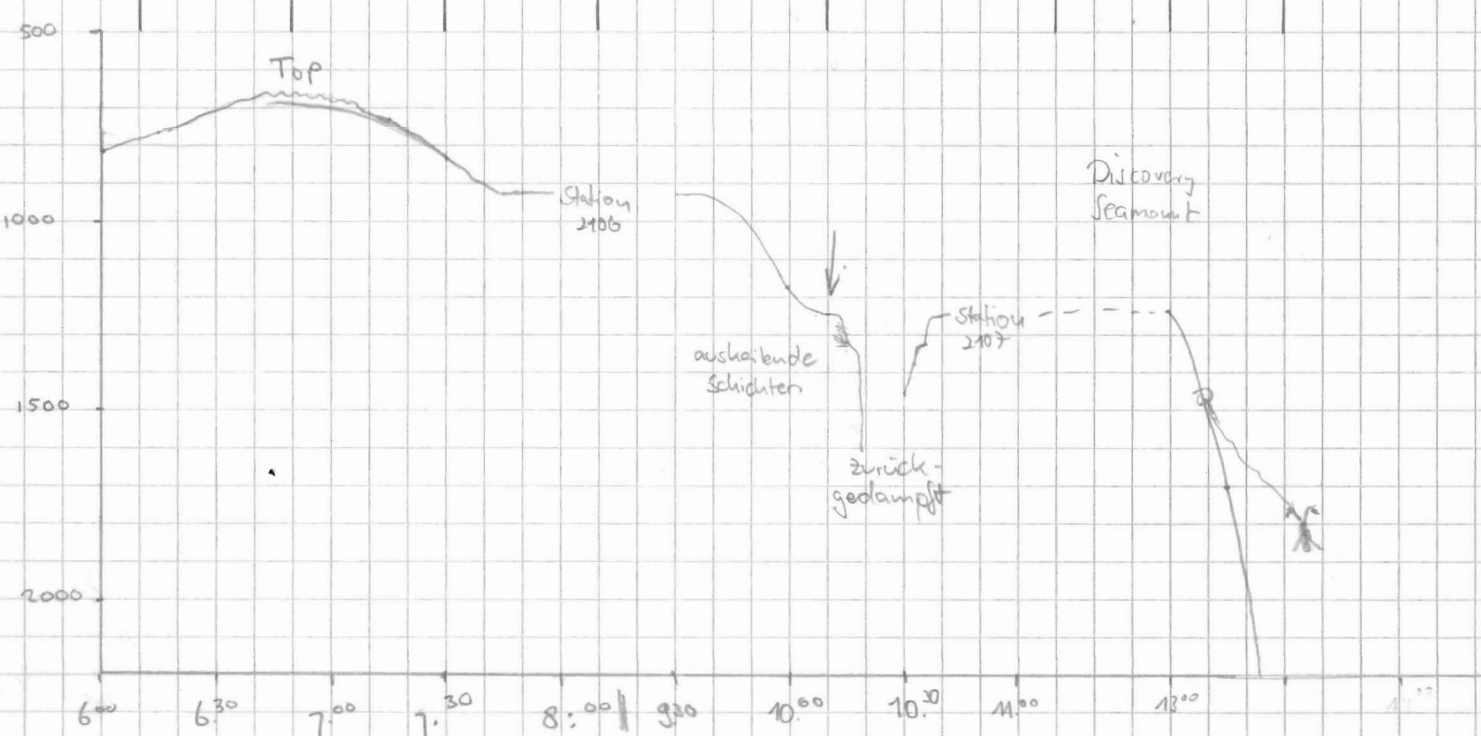
Freq	Pulse	Range	Scale	Mode	Sig	Freq	Time	WT	R	H	M	Bemerkungen
4	4	5000	200	4	S	40	266	10	0	3	1	o.k.
												digital Tiefe Echoscope falsch DESO aus → an o.k.
4	4	5000	200	4	S	40	266	10	5 0	3	1	

digital Tiefe Echoscope falsch
DESO aus → an o.k.

1?



Datum	Uhrzeit UTC	Tiefe PS	Tiefe HS	Breite	Länge	Speed	Kurs	Wache
11.4.91	5:30	4911	765	47° 16,802 S	0° 04,888 W	12.3	016	VONHOF
	5:45	808	799	13,826 S	03,668 W	12.6	017	"
	6:00	818	809	10,902 S	02,557 W	12.0	015	"
	6:15	765	759	07,970 S	01,200 W	12.3	019	"
	6:30	700	694	04,969 S	00,161 W	13.1	019	"
	6:45	502	653	01,828 S	0° 01,331 E	13.0	019	"
	7:00	673	624	41° 58,723 S	02,568 E	13.1	019	"
	7:15	715	734	55,747 S	04,093 E	12.3	019	"
	7:30	899	839	52,608 S	05,486 E	12.3	018	"
	7:45	924	915	51,077 S	05,879 E	1.2	239	"
	8:00	919	910	51,250 S	05,619 E	0.6	210	"
	8:15							
	8:30							
	9:00	916	907	41° 51,215 S	0° 05,553 E	3.7	307°	"
	10:00	1172	1161	47,089 S	07,511 E	9.3	20°	Scheitwiler
	10:15	1313	1301	44,936 S	08,636 E	9.5	21°	"
	10:30	1468	1534	44,235 S	08,591 E	4.3	204°	"
	10:40	1307	1298	44,978 S	08,262 E	1.0	18°	"
	11:00							
	13:07	1300	1295	41° 44,843 S	0° 07,437 E			Lo-Schmidt
	13:15	1704	1769	43,651 S	07,402 E	11.9	17°	
	13:30	2654	2569	41,261 S	08,506 E	13.0	25°	
	13:45							
	14:00	3910	3901	35,222 S	11,793 E	13.0	210	Rehder
	14:15	4286	4307	32,278 S	13,429 E	13.1	22.6	"
	14:30	4615	4633	29,225 S	15,116 E	12.9	22.4	"
	14:45	4626	4648	26,158 S	16,770 E	13.2	22.6	"
	15:00	4645	4666	23,058 S	18,116 E	13.0	21.9	"
	15:15	4648	4665	19,942 S	19,704 E	13.3	21.0	"
	15:30	4635	4655	16,857 S	21,176 E	12.0	18.6	"
	15:45	4626	4644	13,702 S	22,508 E	12.7	15.3	"
	16:00	4619	4638	10,630 S	23,891 E	13.2	13.7	"
	16:15	4598	4621	07,54' S	25,19' E	13.4	180	"



Frg Pulse Range Scale Mode Sig Frg Time Wt R H M Bemerkungen

4 4 1000 200 1 S 40 266 10 0 3 1

→ GREENWICH

FÜR STATION BEIGEDREHT 2106
SPEICHERUNG

MUC am Boden
Back Up Nr. 17
Station beendet

4 4 1000 200 1 S 40 266 10 0 3 1

Storage off

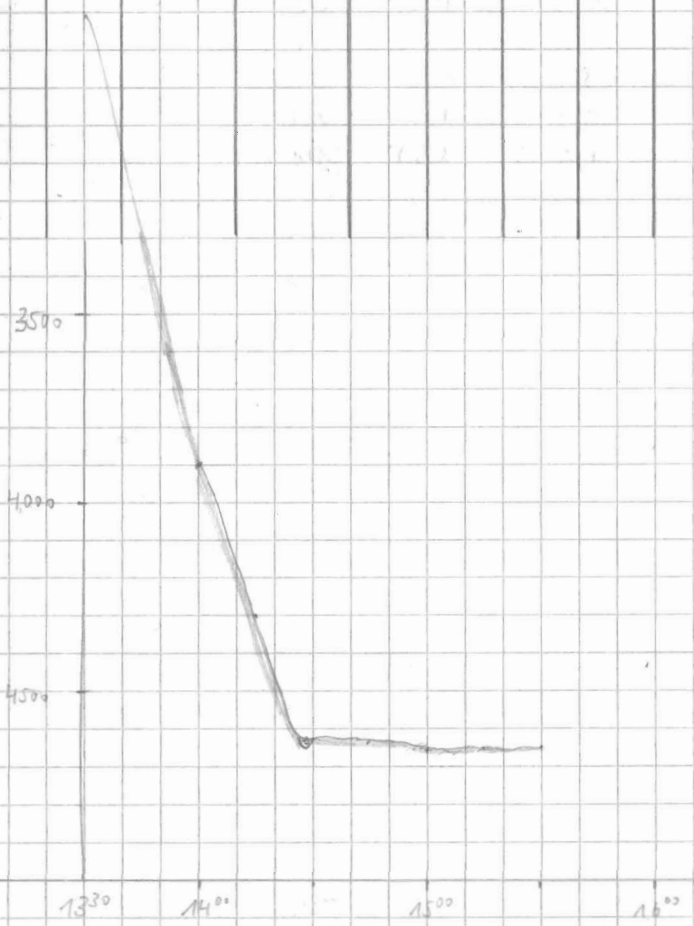
Storage on
Drehung um 180°
Station 2107 ; Storage off
MUC am Boden

4 4 5000 200 1 S 40 266 10 0 3 1

Storage on & Station verlassen

4 4 5000 200 4 S 40 266 10 0 3 1

835m bis Station



Datum	Uhrzeit UTC	Tiefe PC	Tiefe MS	Breit	Länge	Speed	Kurs	Wache		
14.4.91	16:30	4591	4611	41° 04.463 S	0° 26.860 E	13.8	19.1	Lo-Schmitt		
	16:45	4607	4628	01.478	28.494	13.7	22.0			
	17:00	4610	4629	40° 58.487	30.342	12.6	24.4			
	17:15	4619	4643	55.663	31.773	13.4	19.2			
	17:30	4642	4661	52.533	33.302	12.8	21.2			
	17:45	4687	4710	49.371	34.657	12.7	16.4			
	immer noch	18:00	4713	4734	46.253	35.952	13.0		17.6	
	14.4.91	18:15	4778	4806	43.247	37.249	12.7		20.7	Petershild
		18:30	4816	4841	40.162	38.929	13.7		23.6	
		18:45	4706	4740	37.121	40.393	13.6		18.5	
		19:00	4503	4571	33.028	41.823 E	12.9		18.8	
		19:15	4767	4814	30.878 S	43.222 E	13.2		21.5	
		19:30	4754	4784	27.828	44.728 E	13.1		17.9	
		19:45	4741	4768	24.884	46.115 E	13.2		18.5	
20:00		4746	4772	21.473	47.606	13.5	19.3			
20:15		4755	4781	18.304	49.172					
20:30		4792	4820	15.279	50.679	13.1	20.8			
20:45		4815	4840	12.129	52.233	13.3	19.6			
21:00		4850	4874	08.958	53.624	13.1	18.4			
21:15		4893	4925	05.884	55.101	13.2	22.1			
21:30		4896	4929	02.840	56.633	12.6	20.6			
21:45	4924	4954	39° 59.71	58.178	13.0	20.0	Vanthof			
22:00	4935	4966	56.81	59.37	12.3	14.9				
22:15	4893	4931	53.86	1° 00.49	12.5	17.1				
22:30	4896	4925	51.01	01.83	12.4	21.4				
22:37										

15.4.91	1:52	4890	4927	50.26	2.10 E	0	230.0	F. Niederjäger	
	3:51	4887	4914	50.8	2.3	1.8	262.7		
	4:00	4870	4900	39° 49.689 S	01° 02.602 E	11.9	017		H. VONHOF
	4:15	4873	4905	46.861 S	04.156 E	12.5	020		
	4:30	4944	4973	43.680 S	05.580 E	12.2	020		
	4:45	4945	4991	39° 40.410 S	01° 06.878 E	13.6	020		
	5:00	4909	4944	39° 37.544 S	01° 08.247 E	13.3	019		
	5:15	4953	4975	34.411 S	09.664 E	16.9	020		
	5:30	5016	5050	31.251 S	11.023	13.1	019		
	5:45	5000	5032	28.193 S	12.410 E	12.9	020		
	6:00	5016	5051	25.114 S	13.797 E	13.4	019		

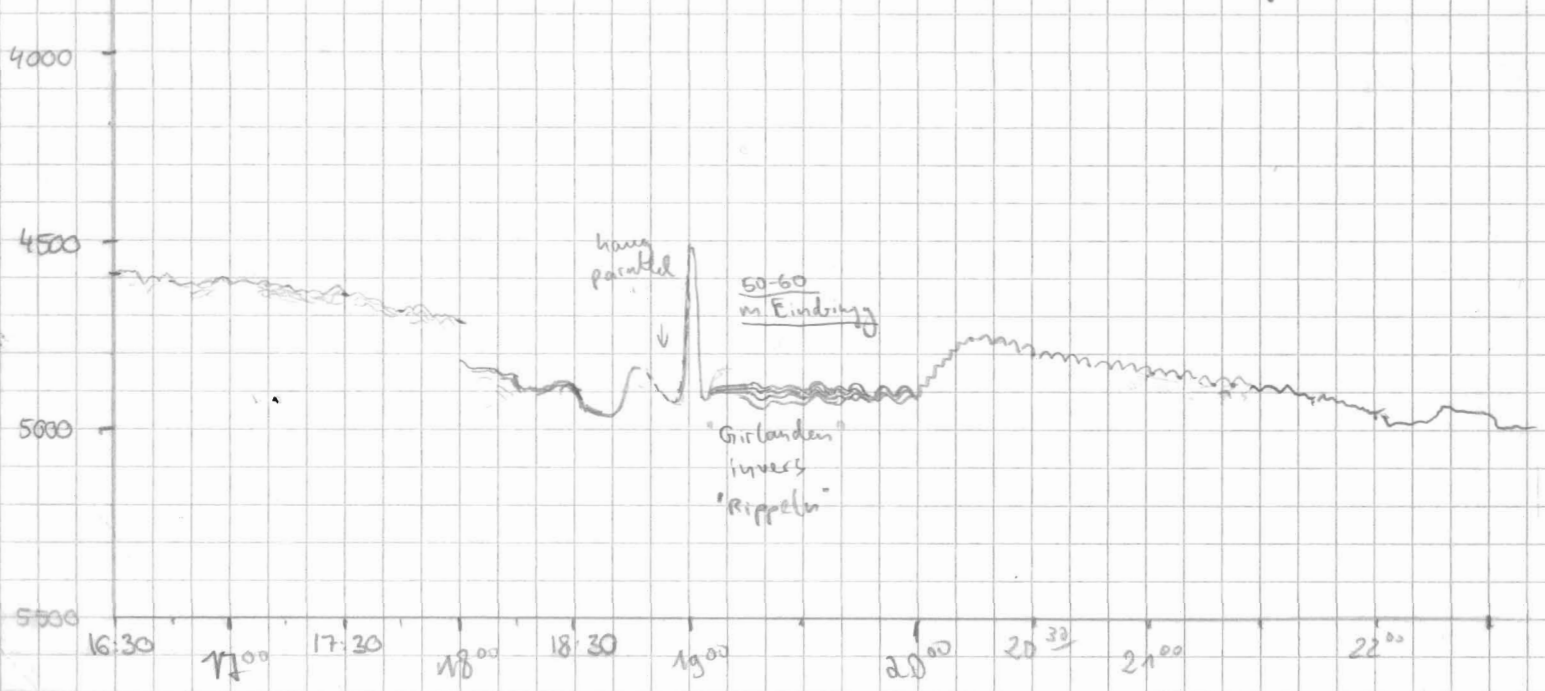


Fig	Pulse	Range	Scale	Mode	Sig	Frg	Time	Wf	R	H	M
4	4	5000	200	4	5	40	266	10	4	3	1

Bemerkungen

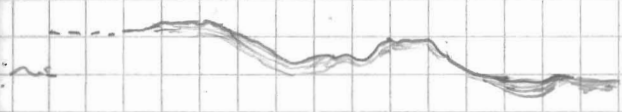
15:28 Paperspeed verdoppelt

4	4	5000	200	4	5	40	266	10	5	3	1
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Speicherung auf Station
SL am Grund
Station beendet

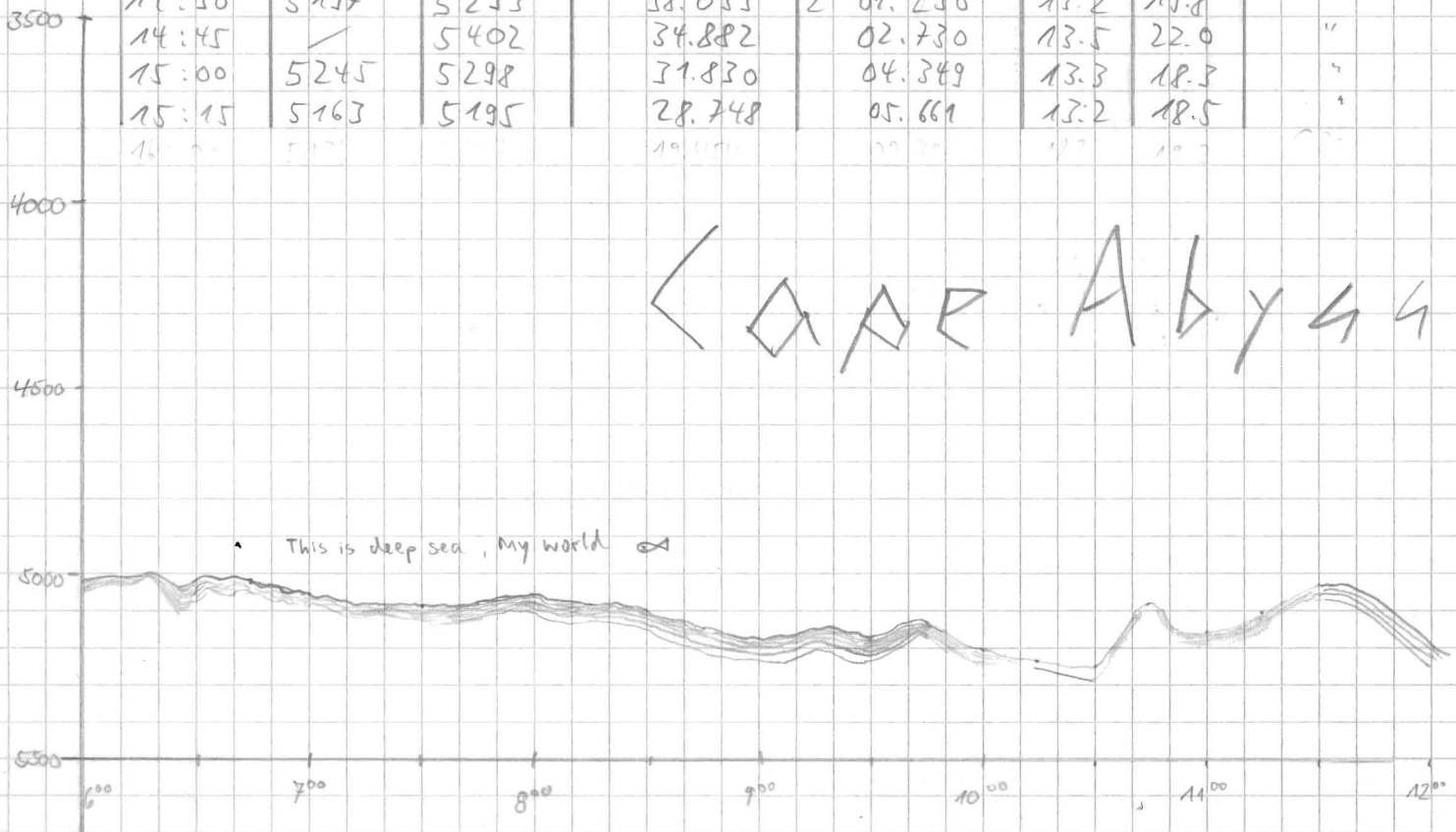
10000

STATIONSENDE



3:30 4:00 5:00 6:00

DATUM	UHRZEIT UTC	TIEFE PS	TIEFE HS	BREITE	LÄNGE	SPEED	KURS	WACHT
15.04.91	6:15	5006	5037	39° 22.00 'S	1° 15.26 'E	13,4	20°	Hubert
	6:30	5010	5041	18,78 'S	16,73 'E	13,4	19°	"
	6:45	5030	5061	15,852 'S	17,064 'E	13,2	018°	1,
	7:00	5062	5100	12,607 'S	19,407 'E	13,6	022°	,,
	7:15	5082	5115	09,460 'S	20,968 'E	13,7	020°	,,
	7:30	5094	5129	06,288 'S	22,334 'E	13,1	018°	,,
	7:45	5083	5122	03,170 'S	23,635 'E	12,9	018	,,
	8:00	5066	5110	00,056 'S	24,969	12,8	17,4	Rehder
	8:15	5088	5126	38° 56,974	26,291	13,2	18,7	
	8:30	5101	5133	53,84 'S	27,63 'E	12,9	19	Marina
	8:45	5142	5179	50,73 'S	28,95 'E	13,2	20	"
	9:00	5177	5219	47,55 'S	30,43 'E	13,4	19	"
	9:15	5147	5188	44,39 'S	31,93 'E	13,1	20	"
	9:30	5177	5220	41,22 'S	33,42 'E	13,3	21	"
	9:45	5136	5170	38,17 'S	34,86 'E	13,5	21	"
	10:00	5213	5261	35,076 'S	36,297	12,9	19,1	Rehder
	10:15	5221	5267	31,991	37,752	13,1	21,4	"
	10:30	5129	5174	28,776	39,075	13,7	15,4	"
	10:45	5085	5125	25,569	40,451	13,4	20,1	"
	11:00	5137	5176	22,30	41,96	13,9	19,5	"
	11:15	5100	5131	19,132	43,381	14,0	21,1	"
	11:30	5015	5061	15,991	44,898	13,7	20,6	"
	11:35							
	12:00	5197	5243	08,970	47,930	13,4	18,5	"
	12:15	5227	5268	38° 06,438 'S	1° 48,952 'E	13,5	19,1	Rehder
	12:30	5212	5259	02,857	50,500 'E	13,8	18,9	"
	12:45	5235	5279	37° 57,631	52,408	13,9	16,8	Rehder
	13:00	5154	5229	56,390	52,817	13,6	16,8	"
	13:15	/	4872	53,492	53,792	13,4	17,0	"
	13:30	5265	5362	50,465	55,578	13,7	28,6	"
	13:45	5326	5374	47,416	57,226	13,1	20,1	"
	14:00	5281	5327	37° 44,307 'S	1° 58,653 'E	13,2	19,9	Zielmiste
	14:15	5225	5264	41,198	59,999	13,2	16,8	"
	14:30	5197	5233	38,033	01,230	13,2	19,8	"
	14:45	/	5402	34,882	02,730	13,5	22,0	"
	15:00	5245	5298	31,830	04,349	13,3	18,3	"
	15:15	5163	5195	28,748	05,661	13,2	18,5	"
	16:00	5121	5170	19,610	09,700	13,7	19,7	"

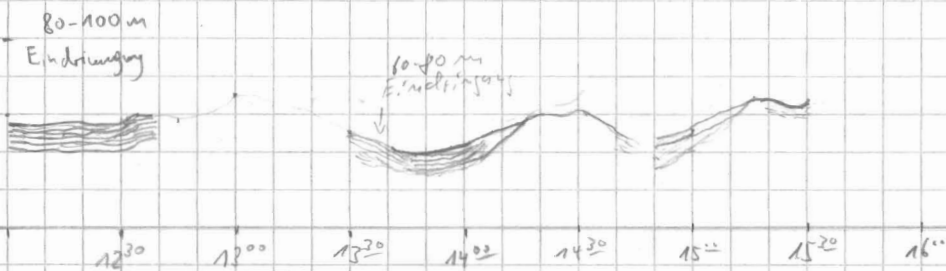


PARASOUND

PARADIFHA

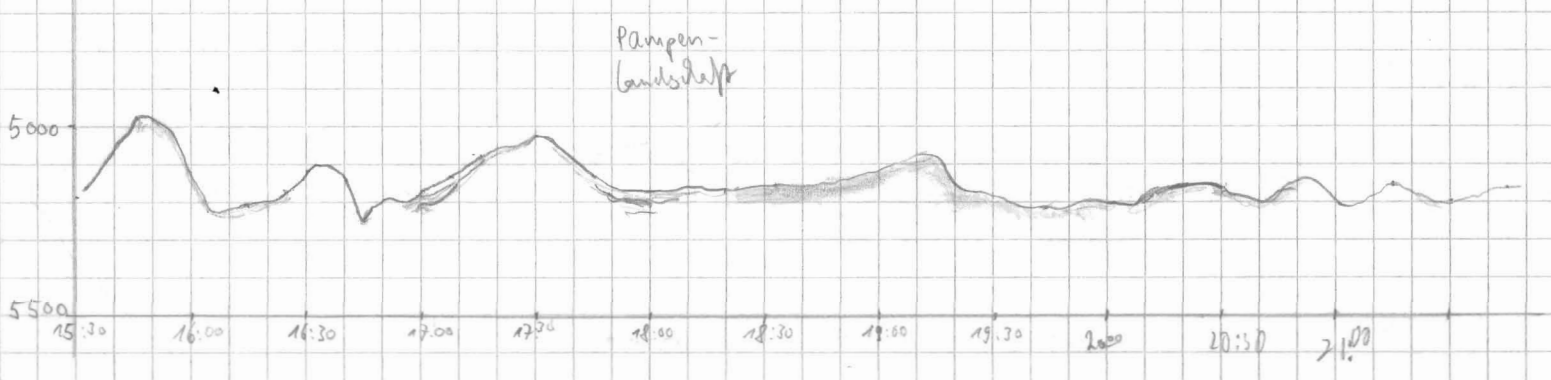
Freq	PULS	RANGE	SCALE	MODE	SIG	Freq	TIME	WT	R	H	M	BEMERKUNGEN
4	4	10000	200	4	S	40	266	10	0	3	1	
4	4	10000	200	4	S	40	266	10	0	3	1	255 m bis Station
									4	0		215 m
												Backup Nr. 018
												180 m
4	4	10000	200	4	S	40	266	10	0	3	1	

□ / Plain



Datum	Uhrzeit	Tiefe Ps	Tiefe HS	Breite	Länge	Speed	Kurs	Wache
15.4.91	15:30	/	5197	37° 25.654 N	2° 06.958 E	12.6	19.8	Ziel'n'sts
	15:45	4983	5013	22.617	08.318	13.1	19.5	"
	16:00	5136	5267	19.454	09.799	12.3	19.2	Rel'n's
	16:15	5218	5251	16.518	11.180	13.1	21.2	Ziel'n'sts
	16:30	5118	5152	13.429	12.684	13.6	16.7	"
	16:45	5256	5305	10.287	13.830	13.8	15.2	"
	17:00	5176	5208	07.066	14.975	13.8	20.0	"
	17:15	5081	5116	03.917	16.327	13.7	19.1	"
	17:30	5037	5068	00.805	17.787	13.5	21.9	"
	17:45	5137	5167	36° 57.646	19.156	13.3	17.2	"
	18:00	5163	5198	54.519	20.468	13.5	13.7	Rel'n'sts
	18:15	5163	5197	51.505	21.954	13.2	18.8	"
	18:30	5167	5204	48.526	23.197	12.6	18.6	"
	18:45	5171	5202	45.421 S	24.575 E	13.2	19.9	"
	19:00	5105	5148	42.331 S	25.905 E	12.7	19.9	"
	19:15	5053	5080	39.231	27.257 E	12.8	21.5	"
	19:30	5187	5220	36.248	28.693 E	12.7	18.0	"
	19:45	5240	5269	33.122	29.859 E	13.3	17.3	"
	20:00	5231	5232	30.204	31.046	12.5	20.1	"
	20:15	5177	5213	26.945	32.455	12.8	19.0	304c PAN NW
	20:30	5149	5181	24.011	32.737	12.6	18.5	"
	20:45	5132	5234	20.974	35.146	13.1	21.9	"
	21:00	5226	5270	18.070	36.428	12.5	20.3	Rel'n'sts
	21:15	5147	5191	15.172	37.712	12.6	20.4	"
	21:30	5194	5223	12.131	39.062	12.2	19.5	"
	21:45	5153	5190	09.308	40.308	12.5	19.1	"
	22:00	5195	5220	06.522	41.917	11.7	16.3	"
	22:15	5148	5175	03.724	43.010	11.7	17.5	"
	22:30	5131	5174	00.909	44.046	11.4	16.3	"
	22:45	5264	5295	35° 58.070 S	2° 45.140 E	11.6	18.4	"
23:00	5176	5218	55.285	46.260	11.6	18.2	"	
23:15	5172	5212	52.524	47.402	11.6	19.6	"	
23:30	5166	5201	49.862	48.455	12.0	25.8	"	
23:45	5161	5186	47.171	49.654	11.6	18.9	"	

Datum	Uhrzeit	Tiefe Ps	Tiefe HS	Breite	Länge	Speed	Kurs	Wache
16.04.91	0:00	5152	5182	44.2	2° 51.0	11.7	19.5	F. Niederjager
	0:15	5145	5173	35° 41.6 S	52.2 E	12.0	16.0	"
	0:30	5117	5145	38.5	53.5	12.1	16.5	"
	0:45	5127	5152	36.1	54.5	12.2	18.5	"
	1:00	5094	5121	32.9	55.8	12.1	18.4	"
	1:15	5019	5046	30.0	56.0	12.2	22.1	"
	1:30	5025	5052	27.1	58.1	12.4	23.9	"
	1:45	5026	5070	24.3	59.4	12.5	20.5	"
	2:00	5065	5101	21.3	3° 0.8 E	12.3	19.2	"
	2:15	5108	5141	18.5	2.2	12.2	18.7	"



Freq	Pulse	Range	Scale	Mode	SIS	Freq	Time	WT	R	H	M	Bemerkungen
4	4	10.000	200	4	5	40	266	10	0	3	1	Rolle Nr. 10. eingelest
4	4	10.000	200	4	5	40	266	10	0	3	1	ERROR 66 DESP 835m bis Station 565m kein Papiervorschub beim Desp

4	4	10.000	200	4	5	40	266	10	0	3	1
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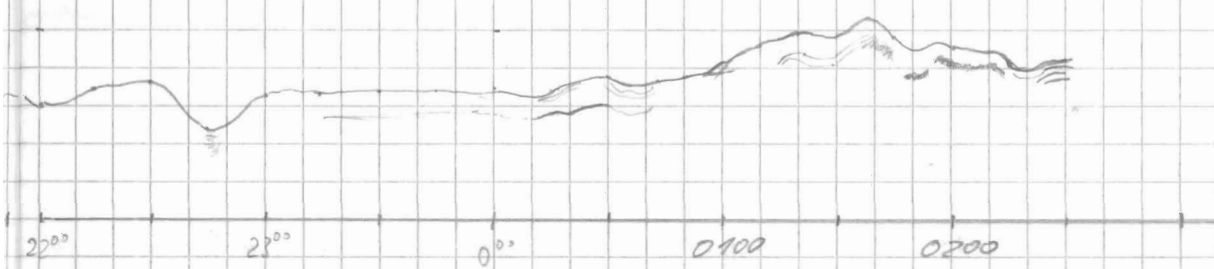
Rolle Nr. 10. eingelest

4	4	10.000	200	4	5	40	266	10	0	3	1
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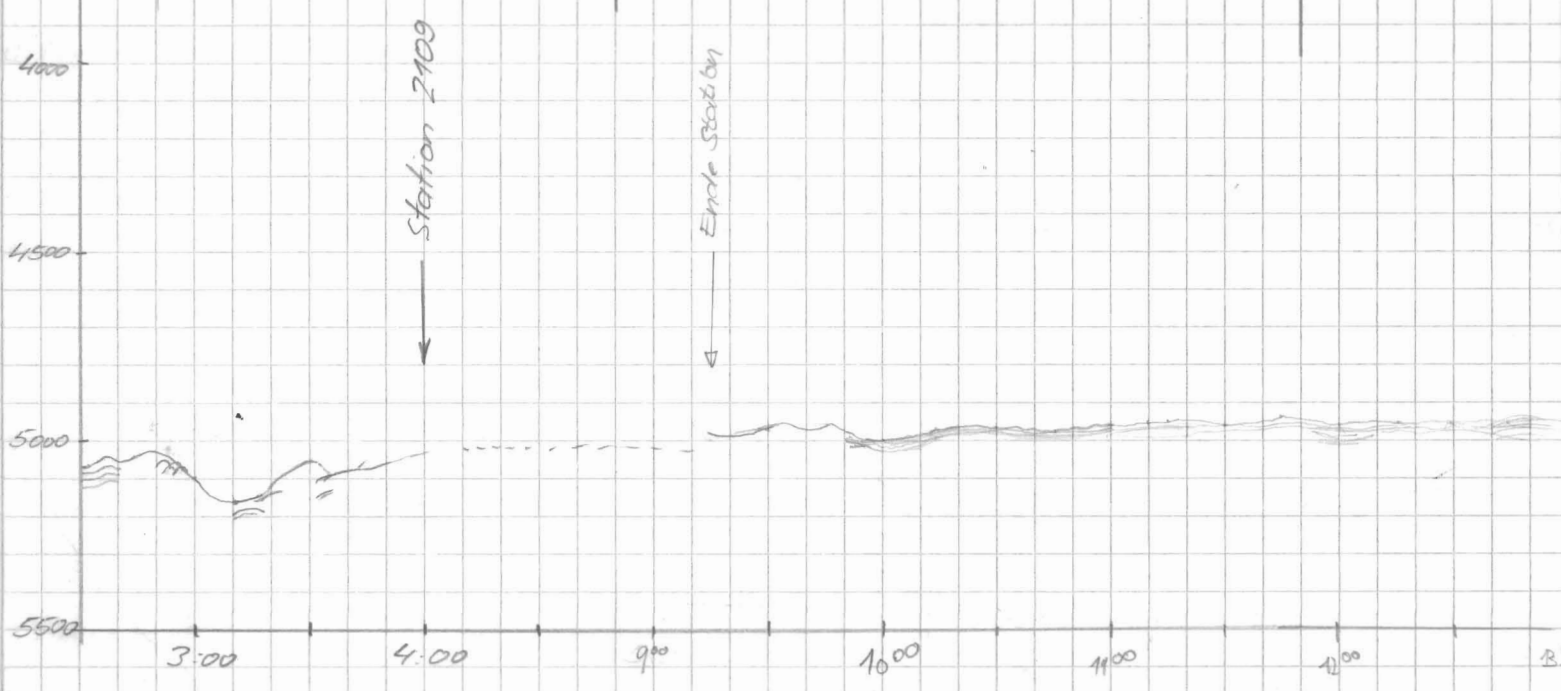
ERROR 66 DESP
835m bis Station

565m

kein Papiervorschub beim Desp



Datum	Uhrzeit	Tiefe PS	Tiefe HS	Breite	Länge	Speed	Kurs	Wache
16.4.91	2:30	5089	5439	35° 15.6 S	3° 3.4 E	12.4	19.9	F. Niederjospa
	2:45	5054	5085	12.6	4.7	12.4	19.0	"
	3:00	5102	5129	9.6	5.9	11.8	19.1	"
	3:15	5156	5184	6.9	7.0	12.0	17.7	"
	3:30	5046	5069	4.1	8.2	11.7	19.4	"
	3:45	5070	5097	1.6	9.3	8.7	19.0	"
	4:00	5014	5047	0.0	10.0	0	32.0	"
	4:48	5013	5044	35° 00.000 S	3° 10.008 E	0.5	21.8	H. VANHOF
	7:12	5008	5047	34 59.892 S	3° 10.076 E	1.0	34.5	"
	9:10	4980	5026	58.49 S	10.46 E	11.9	22	Marina
	9:30	4966	4991	55.38 S	12.07 E	12.8	22	"
	9:45	4965	5000	52.57 S	13.32 E	13.2	19	"
	10:00	5002	5033	49.36 S	14.563 E	10.4	17	Jörn S.
	10:15	4980	5013	46.384 S	15.884 E	13.2	21	"
	10:30	4977	5019	43.388 S	17.237 E	13.0	22	"
	10:45	4973	5021	40.354 S	18.510 E	13.3	17	"
	11:06	4960	4999	37.32 S	19.68 E	12.7	19	"
	11:15	4944	4988	34.472	20.902	12.8	19.1	Relle
	11:30	4963	5003	31.301 S	22.264 E	10.7	20.4	Jörn S.
	11:45	4940	4974	28.443	23.507	13.2	20.0	"
	12:00	4968	4999	25.491	24.817	12.6	19.2	Relle
	12:15	4954	4994	22.508	26.035	12.7	21.2	"
	12:30	4958	4994	19.448 S	27.416 E	13.0	19.4	Jörn S.
	12:45	4956	4992	16.431 S	28.728 E	12.6	20.4	"
	13:00	4954	4988	13.506 S	30.022	12.6	21.0	"
	13:15	4977	5017	10.537 S	31.328 E	12.2	18.2	"
	13:30	4942	4976	07.562 S	32.478 E	12.3	19.2	"
	13:45	497	5009	04.621	33.713	12.6	19.6	"
	14:00	4961	4997	01.603 S	35.018 E	12.7	19.0	MK
	14:13							
	14:45	4950	4983	33° 52.377 S	3° 39.118 E	13.0	14.6	MK
	15:00	4974	5011	49.557 S	40.207 E	12.3	20.6	MK
	15:15	4962	4994	46.534 S	41.463 E	12.2	18.0	MK
	15:30	4970	5006	43.571 S	42.782 E	12.8	22.7	MK
	15:45	4966	5004	40.126 S	44.316 E	12.5	14.3	MK
	16:00	4973	5008	37.661 S	45.251 E	12.5	17.2	MK

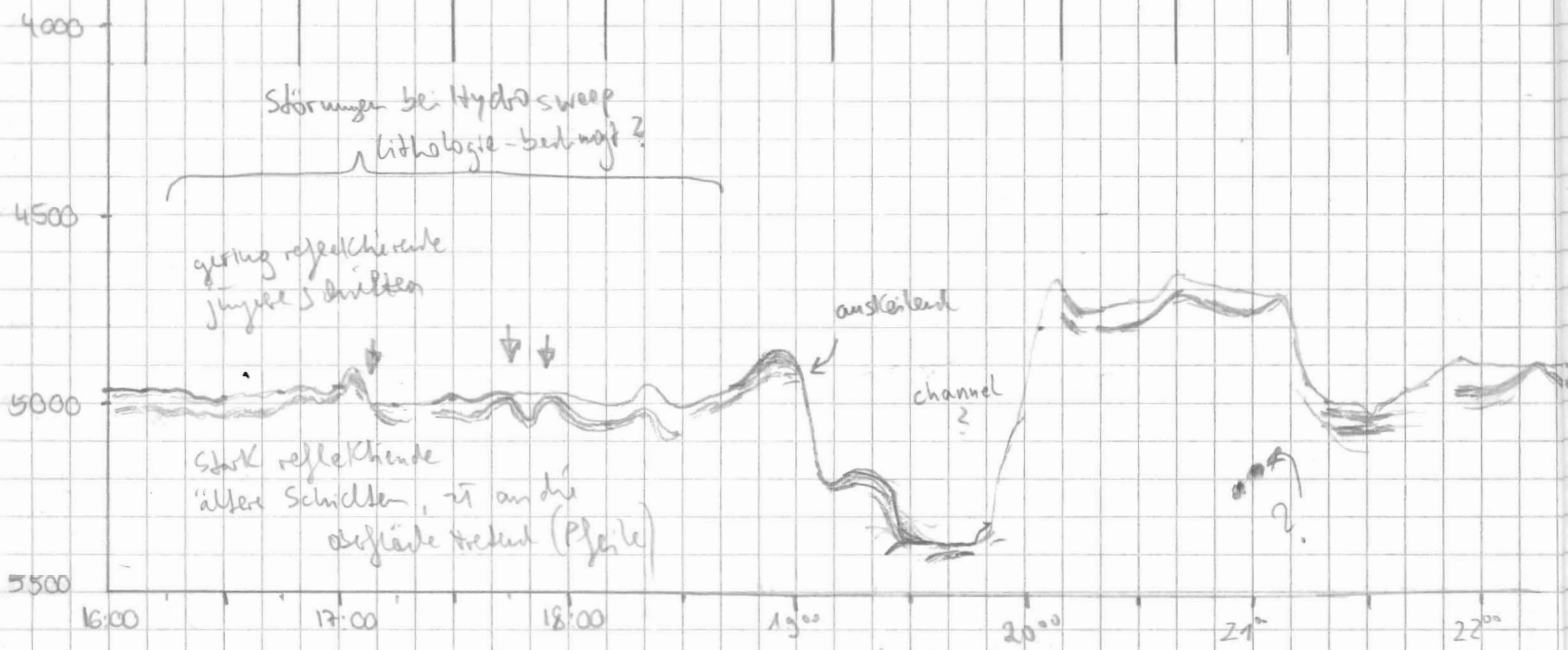


Frg	Pulse	Range	Scale	Mode	Sig	Frg	Time	WT	R	H	M	Bemerkungen
4	4	10000	200	4	S	40	266	10	5	3	1	alles in Butter aufm Kutter

Registrierung aus
 Station 18/267 (AWI 2100)
 SL AM BODEN
 NUC AM BODEN
 Ende der Station, Storage
 04

Backup No. 19

Datum	Uhrzeit ⁺	PS	HS	Breite	Länge	Speed	Temp	
16.04.91	16:15	4974	5010	33° 34.647 S	03° 46.420 E	12.4	18.0	Lo-Schmidt
	16:30	4980	5025	31.670	47.620	12.8	20.3	
	16:45	4971	5011	29.636	48.926	13.0	20.1	
	17:00	4951	4992	25.556	50.301	12.8	22.2	
	17:15	5036	5073	22.618	51.634	13.1	18.1	
	17:30	4946	4983	19.445	52.870	12.7	17.6	
	17:45	4924	4970	16.347	53.977	12.7	16.9	
	18:00	4968	5020	13.321	54.923	13.0	16.4	Rehldorf
	18:15	4982	5026	10.608	56.276	12.9	22.1	Pebrück
	18:28	4971	5023	08.073	57.622	12.4	25.3	"
	18:45	4925	4943	04.43 S	59.38 E	12.7	18	"
	19:00	4921	4952	01.711 S	4° 00.485 E	13.1	20.3	"
	19:15	5185	5233	32° 58.715 S	01.825 E	12.5	19.3	"
	19:30	5371	5422	55.667 S	03.030 E	12.7	16.9	"
	19:45	5374	5423	52.610 S	04.083 E	12.7	15.7	"
	20:00		5018	49.617	05.420	12.1	25.7	"
	20:15	4612	4746	46.829	06.981	12.1	21.0	Rehldorf
	20:30	4712	4781	43.892	08.119	12.3	16.5	"
	20:45	4610	4683	40.842	09.202	12.7	17.0	"
	21:00	4752	4785	37.691	10.303 E	12.5	19.6	"
	21:15	4784	4963	34.770	11.425	13.2	17.1	"
	21:30	5036	5059	31.806	12.689	12.7	21.5	"
	21:45	4968	5031	28.942	14.136	12.8	22.1	"
	22:00	4895	4986	26.144	15.964	13.0	16.8	"
	22:15	4887	4931	23.142	17.165	12.7	15.0	"
	22:30	4924	4963	20.159	18.119	12.1	14.7	"
	22:45	4847	4921	17.172	19.202	12.3	20.2	"
	23:00	4869	5006	14.177	20.454	12.9	19.5	"
	23:15	4765	4800	11.212	21.717	12.0	20.3	"
	23:30	4757	4865	08.236	22.950	12.6	18.5	"
	23:45	4891	4926	05.180	23.422	13.4	24.7	"
17.04.91	00:15	4843	4868	31° 55.638	4° 26.559	12.5	21.8	"
	0:30	4919	4950	56.4	27.9	12.6	19.0	F. Niedergasper
	0:45	4865	4902	53.4	29.7	12.9	23.2	"
	1:00	4884	4915	50.2	30.3	13.5	16.7	"
	1:15	4883	4933	47.2	31.6	12.8	20.1	"
	1:30	4916	4967	44.2	32.9	12.1	22.2	"
	1:45	4969	5009	41.1	34.4	13.2	20.0	"



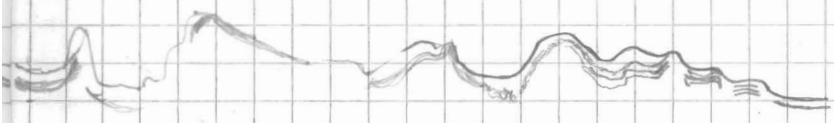
↓ Pulse Range Scale Mode Sig ↓ t wt R H M Bemerkungen

4 4 10,000 200 4 S 40 266 10 0 3 1 ✓ ? R/S

18:42
Parasound und Deso abge-
schaltet, um die Störungen bei
Hydro sweep zu testen 18:45 wieder
eingeschaltet

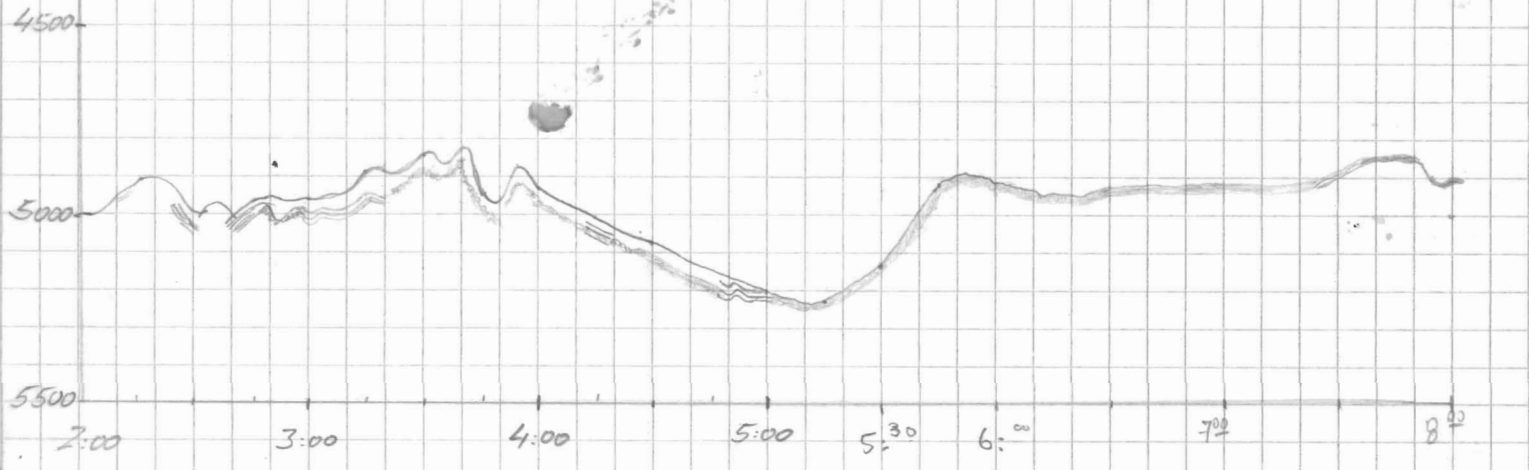
4 4 10 000 200 4 S 40 266 10 0 3 1

Backup Nr. 020



23⁰⁰ 0⁰⁰ 1⁰⁰ 2:00

Datum	Uhrzeit	Tiefe PS	Tiefe HS	Breite	Länge	Speed	Kurs	Wache
17.4.91	02:00	5000	5034	31° 38,0' S	4° 35,7' E	13.0	19.9	F. Niederjäger
	02:15	4908	4945	35,7	37.0	12.5	19.9	"
	02:30	4980	5013	32,2	38.1	12.6	15.1	"
	02:45	4964	4998	28,9	39,2	13.0	19.1	"
	03:00	4944	4973	26.0	40,3	13.1	22.6	"
	03:15	4893	4934	23.0	41.6	13.5	21.3	"
	03:30	4851	4884	10.9	43.1	12.9	24.0	"
	03:45	4947	4975	17.1	44.2	13.0	20.2	"
	04:00	4922	4952	14.1	45.5	13.1	18.8	"
	04:15	4996	5028	10.8	46.7	12.0	016°	H. Von Hof
	04:30	5076	5114	07.8	47.8	12.9	019°	"
	04:45	5126	5172	04.8	49.2	12.7	020°	"
	05:00	5208	5245	01.8	50.4	12.7	020°	"
	05:15	5236	5275	30° 58.8 S	51.7	13.3	020°	"
	05:30	5138	5181	55.8	53.0	12.4	020°	"
	05:45	4976	4971	52.7	54.3	12.8	018°	"
	06:00	4915	4952	49.6	55.6	13.4	020°	"
	06:15	4937	4971	46.6	56.9	12.5	020°	"
	06:30	4921	4952	43.4	58.2	12.6	19°	"
	06:45	4951	4984	40.5	49.4	?	?	"
	07:00	4943	4974	30° 37,20 S	5° 00,74	13.3	19°	N.L.
	07:15	4961	5013	33,15	02,10	13.3	19°	N.L.
	07:30	4886	4930	31,08	03,07	12.8	20°	"
	07:45	4867	4903	28,03	04,45	12.9	22°	"
	08:00	4924	4956	24,85	05,68	13.4	18,5	A. Prodeur
	08:15	4957	4986	21,82	06,93	13.1	21,3	"
	08:30	4905	4940	18,64	08,31	13.2	18,3	"
	08:45	4930	4972	15° 62'	09,45'	13.5	18,4	"
	09:00	4928	4963	12° 51'	10,72'	12.9	20,4	"
	09:15	4925	4963	09° 42,1'S	12,045'E	13.2	19,6	MK
	09:30	4948	4983	06° 35,9'S	13,301'E	13.2	20,2	MK
	09:45	4887	4920	02° 70,5'S	14,803'E	13.2	19,7	MK
	10:00	4904	4936	00° 11,8'S	15,864'E	13.0	19,1	MK
	10:15	4935	4968	29° 57,113'S	17,066'E	13.3	13,2	MK
	10:30	4907	4942	53° 94,1'S	17,968'E	13.1	13,6	MK
	10:45	4942	4975	50° 31,3'S	19,206'E	13.1	20,5	MK
	11:00	4958	4994	48° 51,3'S	20,214'E	12.9	19,8	MK
	11:15	5101	5143	44° 8,8'S	21,731'E	13.0	26,3	Schiffwille
	11:30	5034	5069	41° 74,2'S	23,000'E	12.8	19,8	"
	11:45	5025	5068	38° 68,7'S	24,292'E	12.7	19,6	"
	12:00	4968	5007	35° 69,4'S	25,629'E	12.9	21,4	"
	12:15	4885	4922	32° 47,2'S	27,035'E	12.9	20,7	"
	12:30	4989	5023	29° 58,6'S	28,331'E	13.0	18,7	"

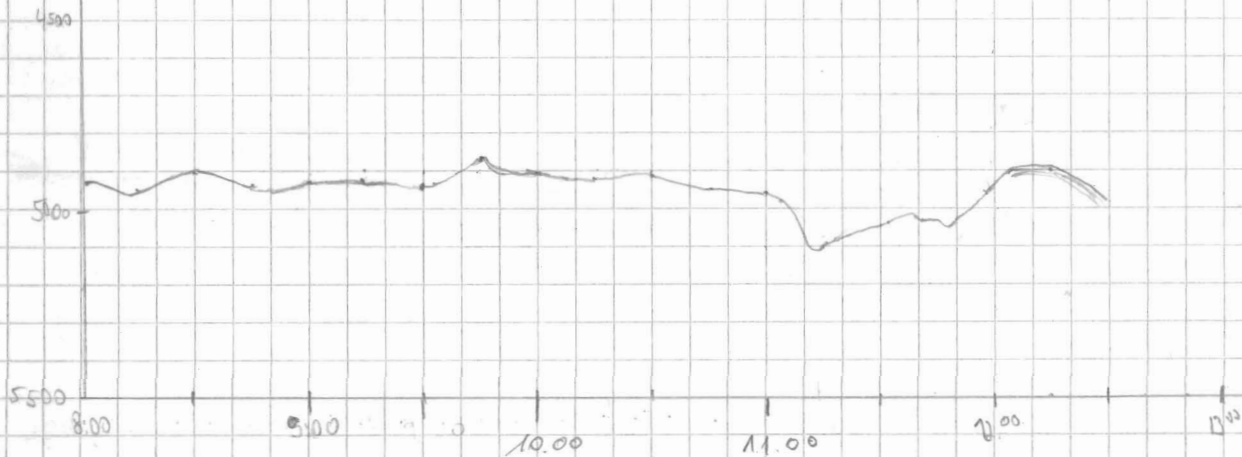


Freq Pulse Range Scale Mode Sig Freq Time WT R H M Remark

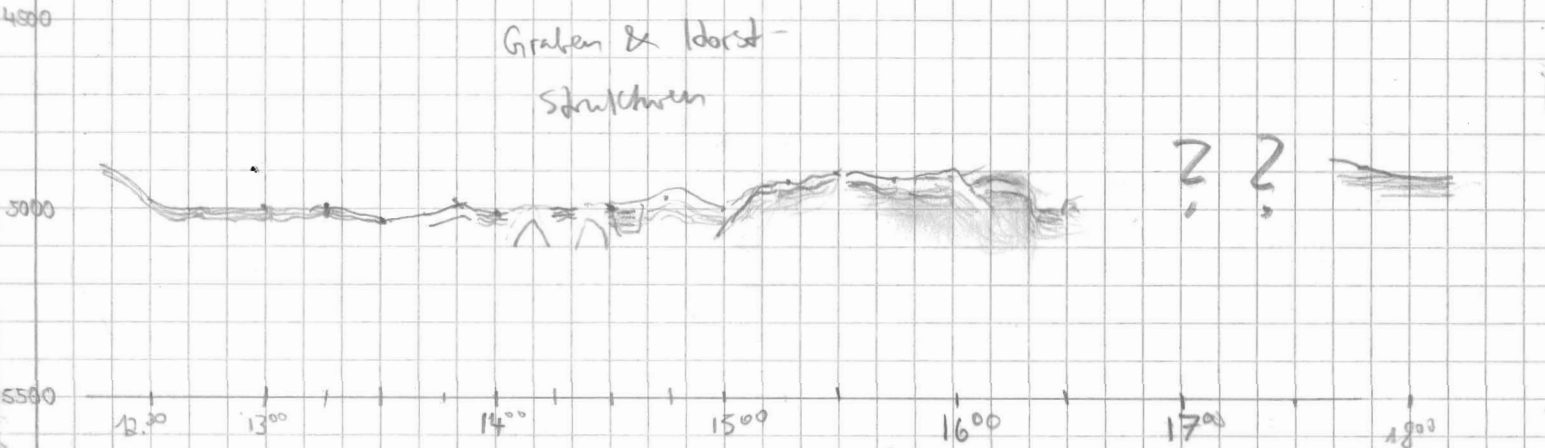
4 4 10000 200 4 S 40 266 10 0 3 1

4 4 10000 200 4 S 40 266 10 0 3 1

4 4 10000 200 4 S 40 266 10 0 3 1



Datum	Zeit	Tiefe PS	Tiefe HS	Breite	Länge	Speed	Kurs	Wache
17.4.91	12.45	5005	5043	29° 26. 517 S	5° 29. 491 E	13.0	18.6	Schreitmilch
	13.00	5000	5037	29° 23. 239 S	5° 30' 825 E	13.0	20.5	M. Jadenan
	13.15	5004	5040	29.20. 454 S	5° 32' 029 E	12.7	20.7	M. Jaden
	13.30	5028	5065	29.17. 459 S	5° 33' 305 E	12.9	20.0	M. Jadenan
	13.45	4992	5034	29.14. 400 S	5° 34' 522 E	13.0	18.5	M. Jaden
	14.00	5007	5052	29.11. 437 S	5° 35' 645 E	13.1	18.7	M. Jadenan
	14.15	5003	5046	29° 08' 282 S	5° 36' 906 E	12.8	20.1	M. Jadenan
	14.30	4996	5036	29° 05' 331 S	5° 38' 147 E	13.0	21.7	M. Jadenan
	14.45	4972	5016	29° 02' 15 S	5° 39' 47 E	12.7	017°	M. Vonhof
	15.00	4963	4996	28° 59' 26 S	5° 40' 58 E	13.0	020°	"
	15.15	4989	5026	28° 56' 03 S	5° 41' 88 E	12.8	019°	"
	15:30	4985	5021	28° 52' 990 S	5° 43' 141 E	12.9	20.0	Tania RA
	15:45	4943	4980	28° 49' 975 S	5° 44' 375 E	12.9	19.9	
	16:00	4919	4951	28° 47' 004 S	5° 45' 560 E	13.1	18.1	
	16:15	4945	4981	28° 43' 917 S	5° 46' 776 E	13.2	20.0	
	16:30	4955	5001	28° 40' 802 S	5° 48' 003 E	13.1	19.4	
	16:45	4986	5031	28° 37' 706 S	5° 49' 262 E	13.1	19.3	
	17:00	4947	4983	28° 34' 379 S	5° 50' 712 E	12.9	20.6	Conny
	17:15	4914	4951	28° 31' 613 S	5° 51' 863 E	12.8	19.5	
	17:30	4881	4918	28° 28' 587 S	5° 53' 077 E	12.7	20.7	
	17:45	4880	4918	28° 25' 471 S	5° 54' 388 E	12.6	20.0	
	18:02	4903	4918	22.080 S	55.694 E	13.1	17.5	Petrick
	18:15	4912	4956	19.461 S	56.653 E	13.0	17.9	"
	18:45	4852	4874	13.144 S	59.100 E	13.0	20.9	"
	19:00	4910	4955	28° 10' 267 S	6° 00' 327 E	13.1	20.1	Zielhelfer
	19:15	4911	4967	07.170 S	01.606 E	13.1	19.6	"
	19:30	4918	4952	04.087 S	02.819 E	13.3	18.7	"
	19:45	4921	4960	00.957 S	04.081 E	13.2	20.1	"
	20:00	4921	4959	27° 57' 824 S	01.285 E	13.2	19.7	"
	20:15	4912	4957	27° 54' 641 S	06.649 E	12.9	20.4	Abelmann
	20:30	4911	4946	51.617 S	07.883 E	13.0	19.8	"
	20:45	4908	4944	48.542 S	09.094 E	13.0	19.0	"
	21:00	4921	4958	45.437 S	10.326 E	12.7	19.4	"
	21:15	4920	4954	42.430 S	11.542 E	13.0	20.1	Bohrmann
	21:30	4844	4878	33.350 S	12.740 E	13.2	18.2	"
	21:45	4716	4753	36.210 S	13.969 E	13.4	19.6	"
	22:00	4723	4749	33.07 S	15.22 E	13.1	19.4	Hubberten
	22:15	4721	4751	29.94 S	16.47 E	12.8	19.5	"
	22:30	4846	4879	27.00 S	17.63 E	13.1	20.9	"
	22:45	4835	4869	23.92 S	18.89 E	13.2	18.5	"
	23:00	4855	4883	20.830 S	20.081 E	13.0	19.2	RMA

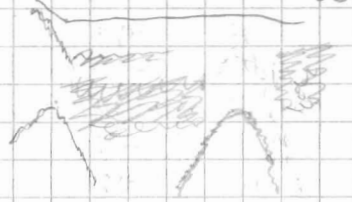


Frg	Pulse	Range	Scale	Mode	Sig	Frg	Time	WT	R	H	M	Bemerkungen
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4	4	10000	200	4	S	40	266	10	0	3	1	
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3
2
0
0
0
1
2

Formation "Hab" estl. J. Fels-
beil



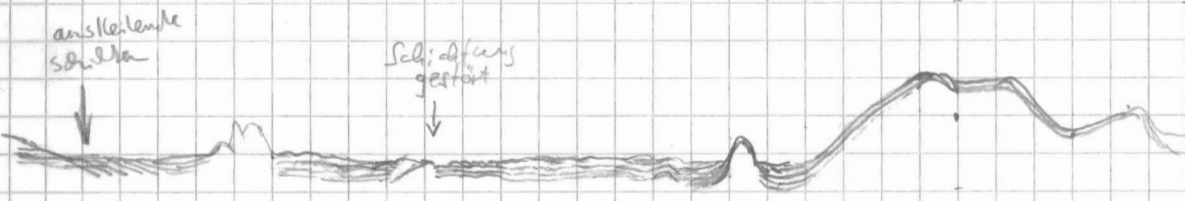
4	4	10000	200	4	S	40	266	10	2	3	1	
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18:16 Bandsideng No 21

4	4	10.000	200	4	S	40	266	10	0	3	1	
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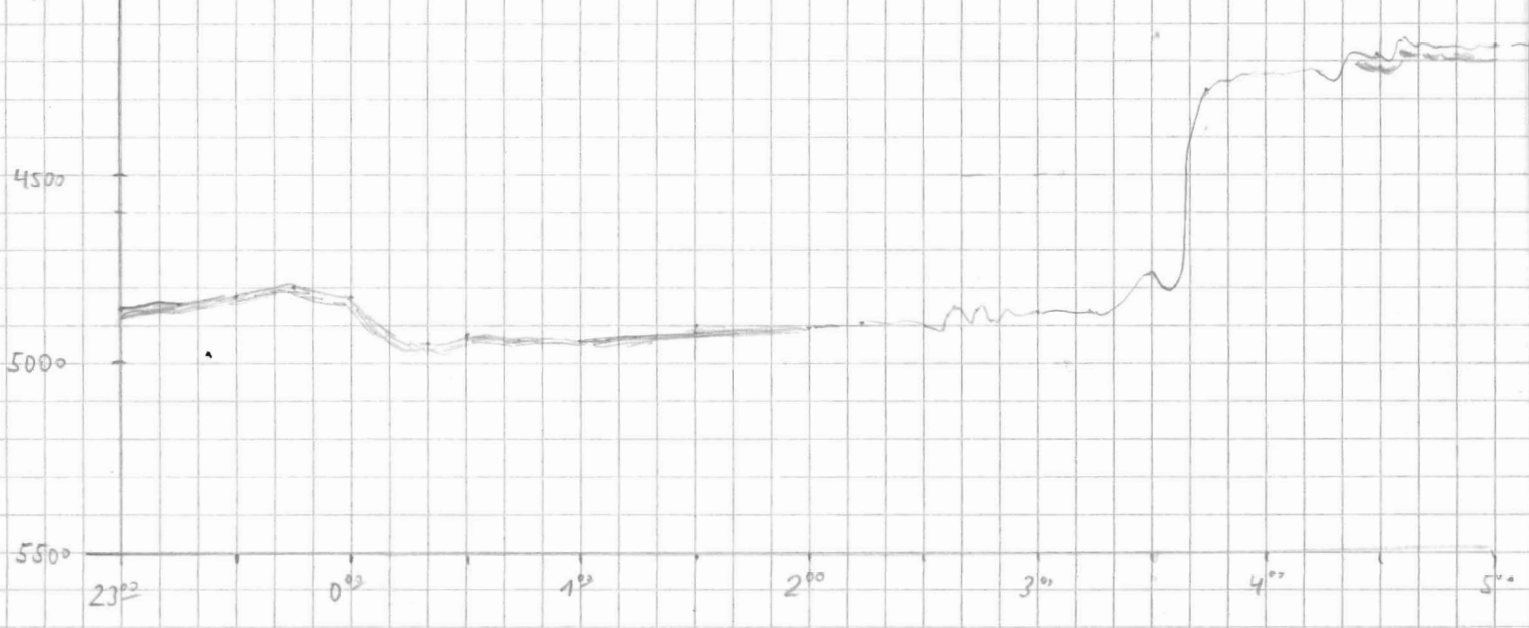
4	4	10000	200	4	S	40	266	10	0	3	1	
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Rolle Nr. 11 eingesetzt



1800 1900 1930 2000 2030 2100 2130 2200 2230 2300

Datum	Uhrzeit UTC	Tiefe Ps	Tiefe HS	Breite	Länge	Speed	Kurs	Wache
17.4.91	23:15	4835	4872	27°18' 1645	6°21, 203 E	12,9	18,7	R. Mad
	23:30	4820	4860	15, 0945	22, 461	13,3	19,9	"
	23:45	4798	4834	12, 050	27, 558	12,3	18,9	"
18.4.91	00:00	4820	4910	08, 677	24, 937	13,4	20,1	"
	00:15	4928	4967	05, 667	26, 190	13,5	20,7	"
	00:30	4926	4958	02, 503	27, 460	13,0	24,9	"
	00:45	4921	4954	00, 078	30, 016	13,6	28,6	"
	01:00	4917	4950	26° 56,984	31, 474	13,6	20,2	"
	01:15	4917	4950	57, 796	32, 846	13,6	18,3	"
	01:30	4914	4947	50, 668	37, 908	13,5	17,2	"
	01:45	4907	4941	47, 457	35, 084	13,0	18,6	"
	02:00	4896	4932	44, 252	36, 260	13,2	18,5	"
	02:15	4851	4926	41, 203	37, 420	13,3	20,5	"
	02:30	4906	4935	37, 958	38, 552	17,3	10,2	"
	02:45	4887	4914	34, 626	39, 141	13,4	8,8	"
	03:00	4872	4910	31, 417	39, 853	13,3	15,7	"
	03:15	4856	4890	28, 268	41, 006	13,6	18,8	"
	03:30	4756	4874	25, 006	42, 222	13,5	18,1	"
	03:45	4280	4319	21, 915	43, 447	13,6	19,5	"
	04:00	4220	4234	18, 742	44, 728	13,6	20,6	"
	04:15	4203	4239	15, 547	46, 006	13,6	18,8	"
	04:30	4190	4213	12, 073	47, 377	13,7	19,5	"
	04:45	4170	4182	09, 037	48, 513	13,3	18,5	"
	05:00	4150	4167	05, 828	49, 761	13,5	19,2	"
	05:15	4190	4201	02, 611	51, 018	13,8	20,4	"
	05:30	4185	4220	25° 59,357	52, 313	13,6	20,2	"
	05:45	4211	4227	56, 220	53, 577	13,7	21,4	"
	06:00	4231	4248	52, 965	54, 866	13,3	18,3	"
	06:15	4222	4246	49, 62	56, 15	13,9	18,9	Schlacht
	06:30	4191	4211	46, 30	57, 45	13,8	21	"
	06:45	4153	4169	43, 03	58, 80	13,8	20	"
	07:00	4100	4111	25° 39,77 S	7° 00,07 E	13,9	20°	N. L.
	07:15	4104	4054	36, 51	01, 39	13,9	17°	"
	07:30	3850	3866	33, 21	02, 53	13,9	19°	"
	07:45	3853	3748	29, 95	03, 80	13,7	21°	"
	08:00	3624	3642	26, 71	05, 16	13,7	20,0	A. Mad
08:15	3508	3514	23, 57	06, 43	13,9	19,9	"	
08:30	3501	3472	20, 17	07, 68	13,9	18,2	"	



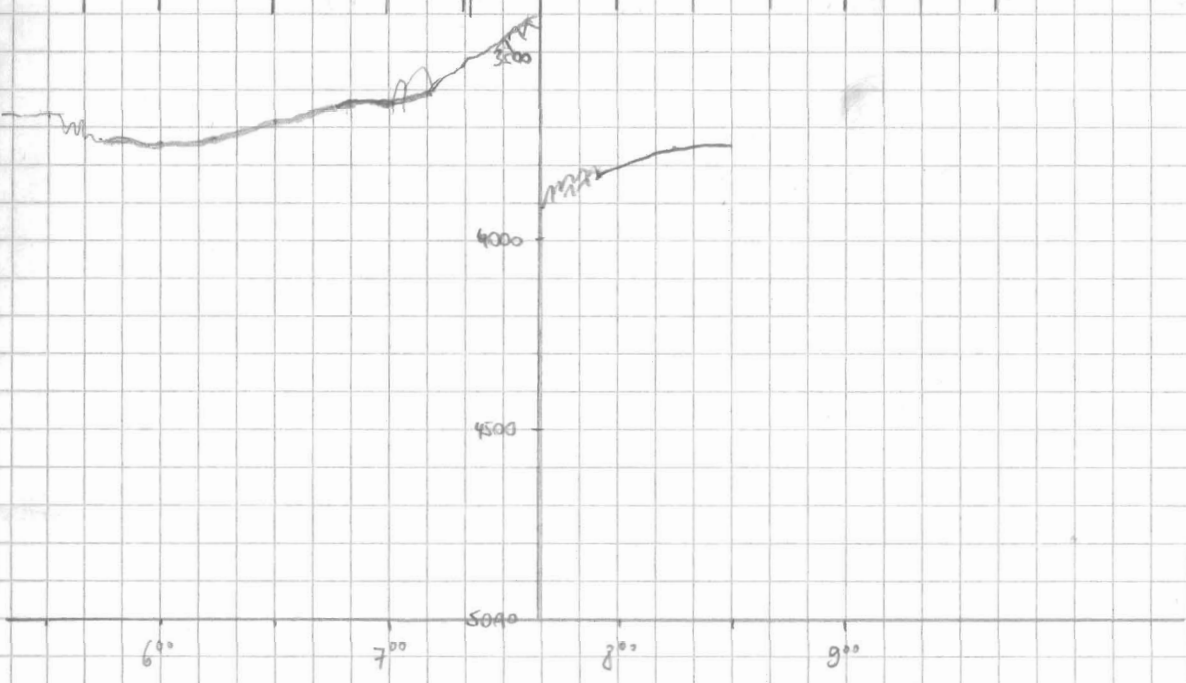
Freq	Pulse Range	Scale	Mode	Sig	Freq	Time	Wt	R	H	H	Bemerkung
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4	4	10 000	200	4	5	40	266	10	0	3	2
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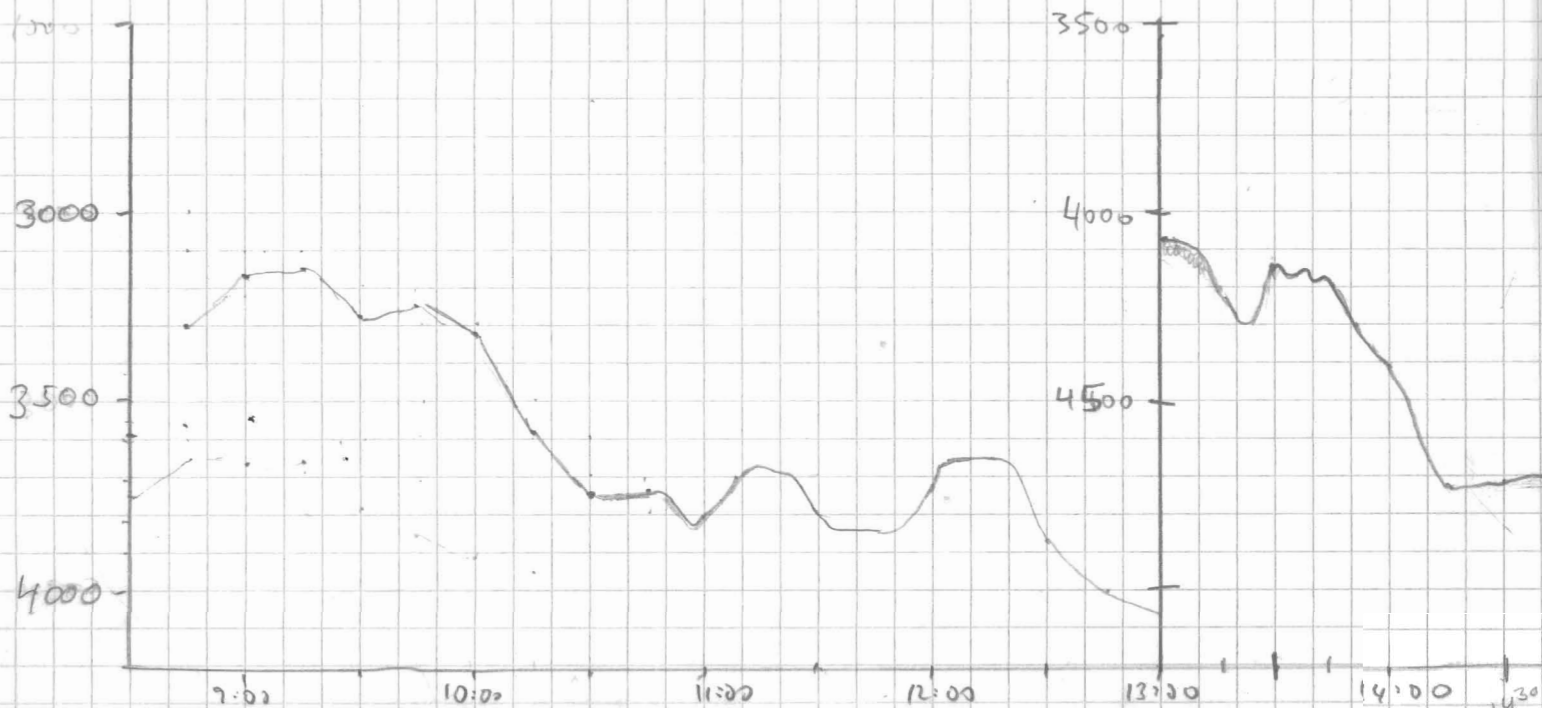
Paper speed 1:10 000

5000

Paper speed 1:5000



Datum	Uhrzeit	Tiefe PS	Tiefe HS	Breite	Länge	Speed	Kurs	Wache
18.4.91	8:45	3309	3329	25° 16.96 S	7° 00.97 E	13.8	20.9	M. Maden
	9:00	3183	3181	" 13.71	10.26	13.9	19.7	"
	9:15	3144	3149	10.338 S	11.618 E	14.0	19.0	M.
	9:30	3297	3293	6.986 S	12.845 E	13.9	19.2	M.
	9:45	3343	3338	3.735 S	14.130 E	13.7	19.0	M.
	10:00	3423	3443	0.588 S	15.379 E	13.7	20.5	M.
	10:15	3590	3646	24° 57.02 S	16.769 E	13.8	19.1	M.
	10:30	3752	3766	54.054 S	17.933 E	13.6	13.2	M.
	10:45	3789	3742	50.725 S	18.794 E	13.5	13.2	M.
	11:00	3799	3857	47.390 S	19.655 E	13.5	12.4	J. Schiffrücker
	11:15	3678	3681	44.365 S	21.040 E	13.3	25.0	"
	11:30	3801	3815	41.272 S	22.611 E	13.1	24.2	"
	11:45	3836	3849	38.414 S	23.940 E	13.7	19.7	"
	12:00	3713	3732	34.886 S	25.216 E	13.5	19.8	"
	12:15	3648	3654	31.902 S	26.497 E	13.8	21.1	"
	12:30	3870	3900	28.680 S	27.847 E	14.1	22.0	"
	12:45	4016	4025	25.432 S	29.239 E	13.9	17.4	"
	13:00	4079	4093	22.147 S	30.370 E	13.7	18.2	"
	13:15	4218	4232	18.844 S	31.598 E	13.8	20.1	M. Maden
	13:30	4153	4163	15.666 S	32.873	13.7	20.1	M. Maden
	13:45	4186	4205	12.423 S	34.204	13.8	21	M. Maden
	14:00	4419	4445	09.197	35.484	13.	21.5	M. Maden
	14:15	4718	4746	24° 05.89 S	7° 36.74 E	13.8	019°	VONHOF
	14:30	4716	4742	02.58 S	37.94 E	13.7	18.5	"
	14:45	4695	4726	23° 59.28 S	39.19 E	13.8	018°	"
	15:00	4680	4710	56.09 S	40.46 E	13.7	021°	"
	15:15	4674	4705	52.90 S	41.79 E	13.7	021°	"
	16:30	4663	4693	23° 36.669 S	7° 47.187 E	13.6	19.1	KRÜGER
	16:45	4658	4686	33.295 S	7° 49.083 E	13.6	18.7	"
	17:00	4660	4687	30.008 S	50.318 E	13.9	19.5	Lowy
	17:15	4614	4575	26.737 S	51.576 E	14.0	19.5	"
	17:30	4640	4674	23.443 S	52.827 E	14.1	20.9	"
	17:45	4357	4340	20.183 S	54.198 E	14.1	20.9	"
	18:00	3603	3607	16.936 S	55.526 E	13.8	20.5	"
	18:15	3135	3103	13.714 S	56.768 E	13.8	19.8	Petzlank
	18:30	3113	3060	10.472 S	58.010 E	13.7	18.7	"
	18:48	3153	3578	06.614 S	59.400 E	13.5	20.0	"

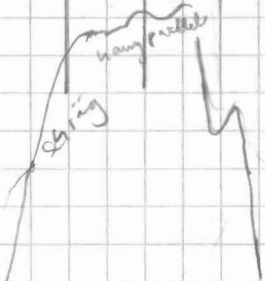


Freq	Pulse	Range	Scale	Mode	Sig	Freq	Time	WT	R	H	M	Bemerkungen
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4	4	10 000	200	4	5	40	266	10	0	3	1	
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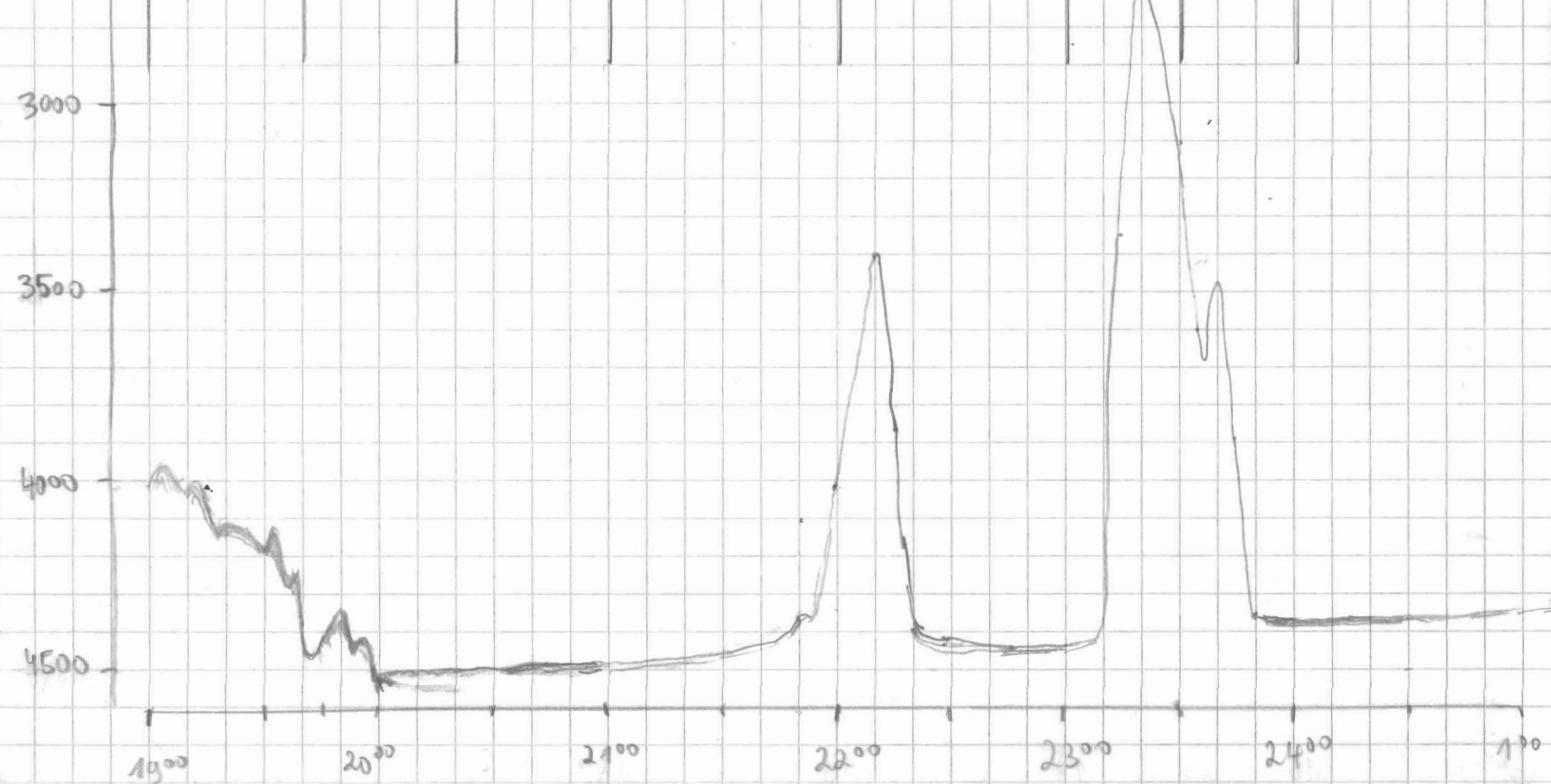
BACK UP NR. 22
 Felder, kein Boden,
 wie Kopf bedingt?
 ▽

4
 0
 10
 4



1500 16 17 18 1900

Datum	Uhrzeit	Tiefe PS	Tiefe WS	Breite	Länge	Speed	Kurs	Warte
18.4.91	19:00	3976,7	4071	23°03,886 S	8°00,521 E	13,7	17,9	Petrichik
"	19:15	4075,5	4083	23°00,530 S	8°01,734 E	13,9	18,5	Hoodwenn
"	19:30	4071,4	4118	22°57,364 S	8°02,867 E	13,7	19,0	"
"	19:45	4380,9	4414	22°54,178 S	8°04,214 E	13,7	20,9	"
"	20:00	4498	4523	22°50,456 S	8°05,508 E	13,5	20,4	"
"	20:05	4502	4527	22°47,797 S	8°06,796 E	13,6	20,7	Zielwiese
"	20:30	4494	4516	44,630 S	08,116 E	13,5	20,6	"
"	20:45	4487	4511	44,456 S	09,369 E	13,7	20,5	"
"	21:00	4479	4504	38,149	10,627	14,	19,	Bolt
"	21:15	4472	4456	34,78	11,68	14,	16,7	"
"	21:30	4465	4491	31,50	12,87	13,9	20,3	"
"	21:45	4429	4460	28,27	14,19	13,8	20,7	"
"	22:00	?	4948	25,01	15,51	13,8	22,4	"
"	22:15	4931	3875	21,75	16,83	13,8	20,8	Aubherke
"	22:30	4425	4446	18,43	18,05	13,7	19,7	"
"	22:45	4431	4451	15,24	19,24	13,8	19,7	"
"	23:00	4420	4450	22°12,051 S	8°20,414 E	13,7	19,0	Rehde
"	23:15	/	3365	08,717	21,740	13,8	18,5	"
"	23:30	/	3206	05,435	22,970	13,7	19,1	"
"	23:45	3888	3992	02,203	24,100	13,6	20,1	"
19.4.91	00:00	4378	4481	21°58,954	8°25,307	13,6	20,9	"
"	00:15	4368	4389	55,817	26,584	12,6	19,1	"
"	00:30	4359	4380	52,624	27,809	13,4	22,5	"
"	00:45	4351	4381	49,505	29,079	13,5	18,5	"
"	01:00	4339	4373	46,302	30,305	13,6	19,2	"
"	01:15	4331	4349	43,299	31,482	13,3	21,0	"
"	01:30	4318	4338	39,926	32,666	13,7	17,5	"
"	01:45	4302	4321	36,720	33,780	13,3	20,9	"
"	02:00	4284	4306	33,626	35,038	13,3	21,5	"
2500	02:15	4269	4288	30,526	36,315	13,3	19,0	"
"	02:30	4248	4266	27,377	37,533	13,5	19,5	"



Frg Pulze Rangf Scale Mode sig Frg Time Wt R Lt M Bemerkung

4 4 10000 200 4 5 40 266 10 0 3 1

4 4 10000 200 4 5 40 266 10 0 3 1

4 4 5000 200 4 5 40 266 10 5 3 1 Hangneigung $\approx 10^\circ$

1⁰⁰

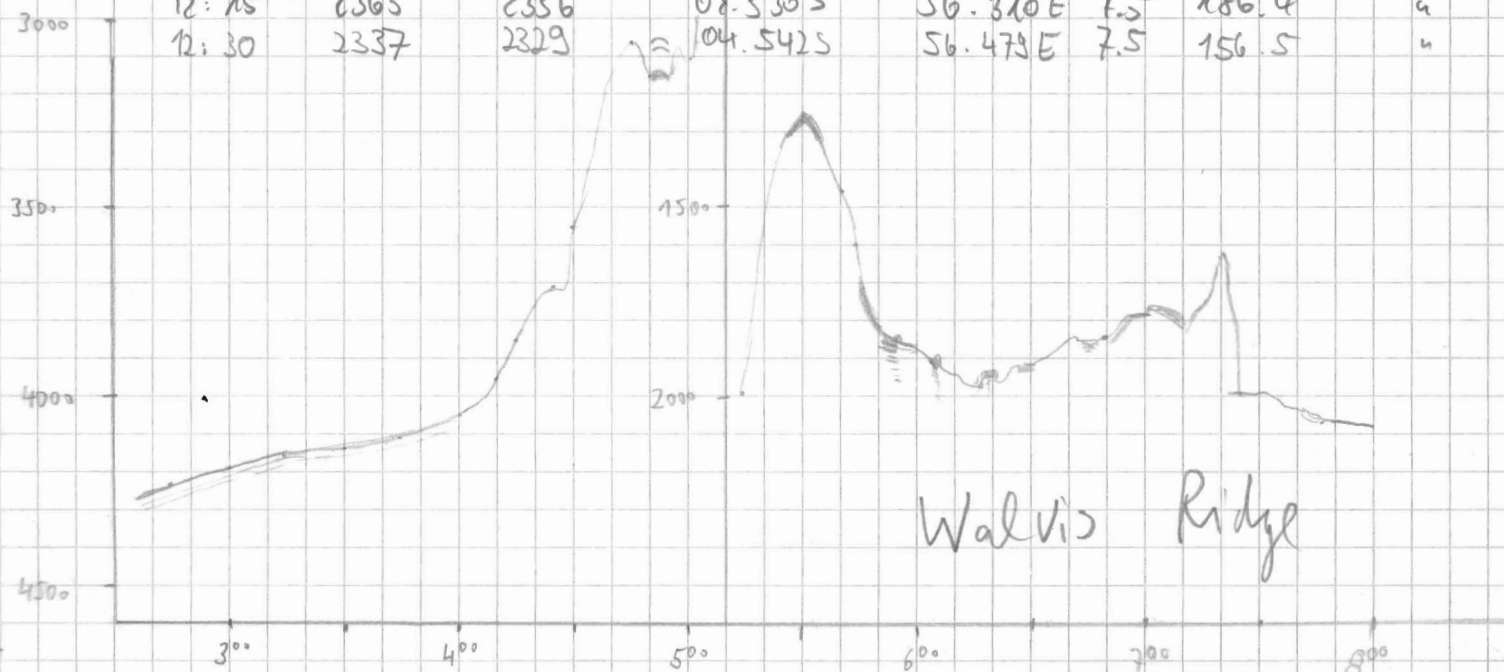
2⁰⁰

3⁰⁰

4⁰⁰

Datum	Uhrzeit UTC	Tiefe P5	Tiefe H5	Breite	Länge	Speed	Kurs	Wahr
19.04.97	02:45	4225	4245	21°24.099 S	8°38.726 E	13.4	19.4	R.R.H.H.
	03:00	4195	4210	20.933	39.370	13.6	19.7	"
	03:15	4163	4179	17.690	41.185	13.7	19.7	"
	03:30	4139	4156	14.525	42.390	13.7	19.1	"
	03:45	4110	4123	11.231	43.718	13.7	19.9	"
	04:00	4054	4087	08.010	44.897	13.5	18.6	"
	04:15	3842	3862	04.784	46.045	13.6	18.9	"
	04:30	3556	3572	01.534	47.177	13.5	17.3	"
	04:45	3050	3066	20°58.326	48.272	13.6	17.1	"
	05:00	-	2907	55.109	49.604	13.8	23.9	"
	05:15	-	2066	51.878	51.092	13.6	20.7	"
	05:30	1258	1261	48.667	52.242	13.8	20.7	"
	05:45	1596	1643	45.372	53.495	14.0	19.2	"
	06:00	1886	1879	42.100	54.604	13.6	19.7	"
	06:15	1989	1977	38.86' S	55.87' E	13.7	20.3	Schicht
	06:30	1919	1925	35.60' S	57.15' E	14.0	21.1	"
	06:51	1854	1802	31.03' S	58.93' E	13.8	16.6	"
	07:00	1778	1756	29.09' S	59.63' E	13.9	19.4	"
	7:15	1755	1758	25.86' S	9°00' 91' E	13.6	18.5	"
	7:30	2003	2000	22.61' S	01.15' E	13.2	20.1	N.L.
	7:45	2080	2070	19.44' S	03.40' E	13.9	20.1	"
	8:00	2107	2098	16.13' S	4.66' E	13.8	19.5	A. Macken
	8:15	2191	2187	12.96' S	5.77' E	13.4	18.2	"
	8:30	2208	2199	09.60' S	6.97' E	13.7	20.5	"
	8:45	2153	2147	06.36' S	8.17' E	13.7	19.6	"
	9:00	2207	2209	03.25' S	9.36' E	12.3	21.7	"
	9:05	2212	2196	02.18' S	09.70' E	0.6	16.3	"

9:18	2213	2204	20°01.979 S	9°09.842 E	2.8	36.8	MK
10:30	2218	2207	01.128 S	09.652 E	4.6	48.8	MK
10:45	2218	2207	0.573 S	08.775 E	7.2	273.5	MK
11:00	2176	2168	0.700 S	06.672 E	8.9	266.6	MK
11:15	2226	2216	00.761 S	04.350 E	8.8	271.4	Schicht
11:30	2312	2303	00.786 S	01.862 E	9.0	265.7	"
11:45	2366	2358	00.978 S	8°59.617 E	9.0	264.8	"
12:00	2388	2378	01.215 S	57.166 E	9.1	270.5	"
12:15	2365	2356	02.530 S	56.310 E	7.5	186.4	"
12:30	2337	2329	04.542 S	56.479 E	7.5	156.5	"



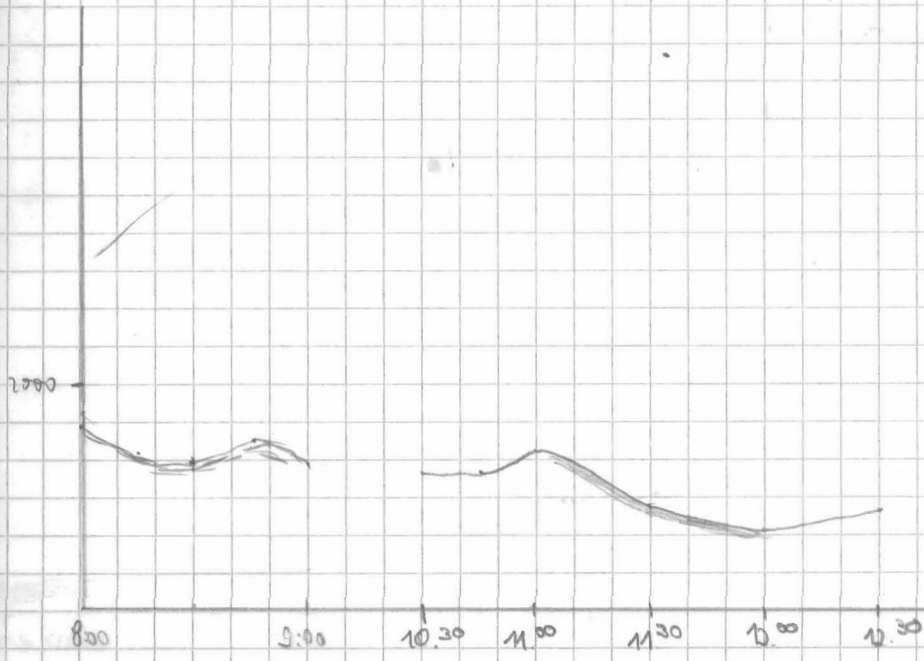
Fq	Pulse Range	Scale	Mode	Sig	Fry	Time	WT	R	H	M	Bemerkungen
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4	4	5000	200	4	5	40	266	10	5	3	1	
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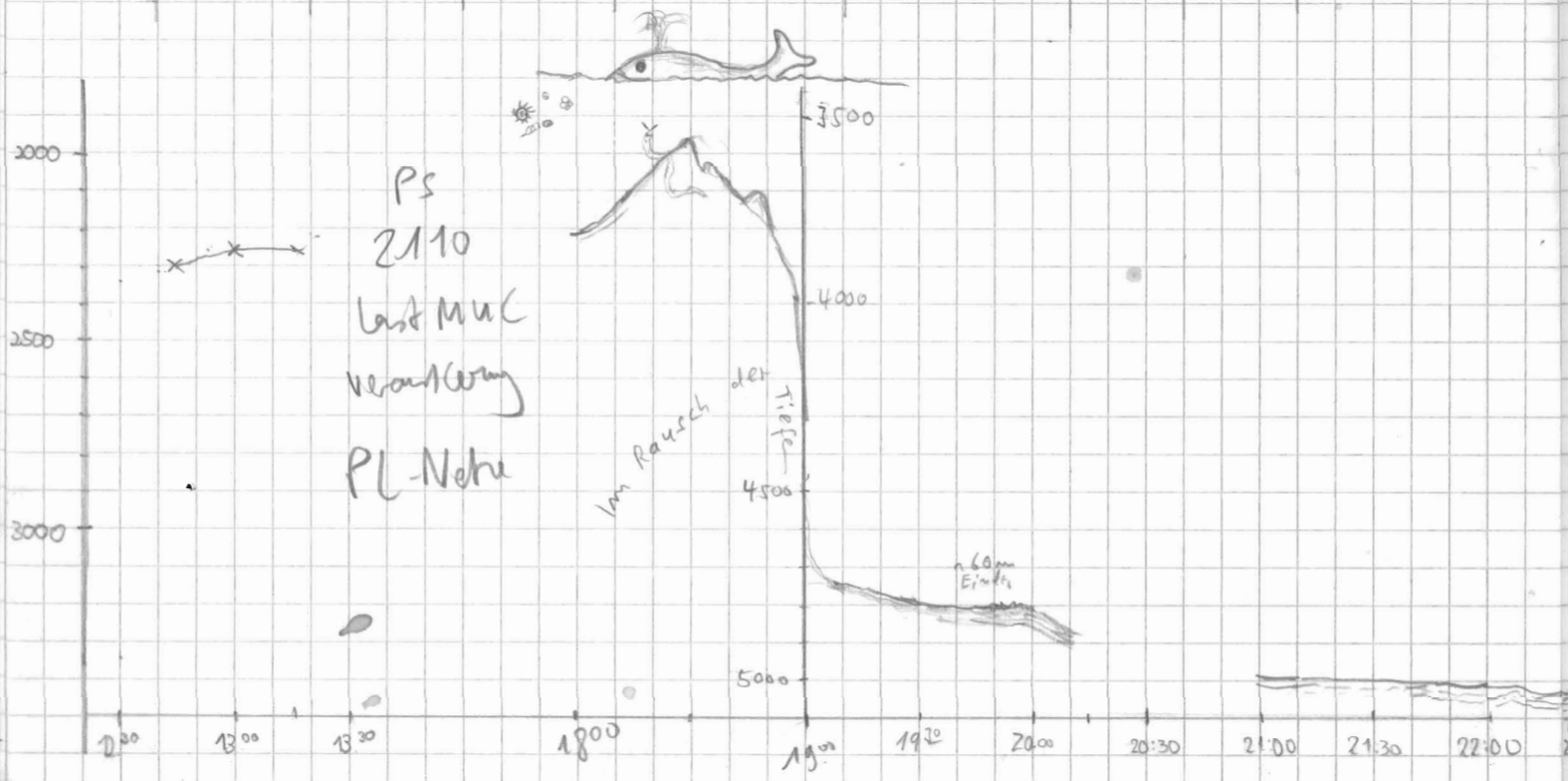
14^o Hang nach

4	4	5000	200	4	5	40	266	10	0	3	1	
---	---	------	-----	---	---	----	-----	----	---	---	---	--

Station erreicht, Verankerung
 soll aufgenommen werden
 Speicherung abgeschlossen
 Sedimentfalte gerichtet
 Datenverarbeitung eingeleitet (Ende
 Station)



Datum	Uhrzeit UTC	Tiefe PS	Tiefe HS	Bele	Länge	Speed	Kurs	Wache
19.4.91	12:45	2301	2297	20° 06.368 S	8° 57.447 E	7.9	152.6	J. Schreitmüller
	13:00	2268	2259	07.663 S	58.187 E	0.5	53.6	"
	13:15	2276	2260	07.163 S	58.254 E	0.1	196.5	M. Adema
	13:44	2277	2261	07.147 S	58.225 E	0.1	182.1	"
	16:40							KRÜGER
	16:45	2277	2267	20° 07.859 S	8° 56.927 E	10.0	303.6	"
	17:00	2327	2320	20° 06.020 S	8° 54.431 E	13.0	309	"
	17:15	2347	2362	03.696 S	51.575 E	12.9	310.4	lowy
	17:30	2355	2345	01.607 S	49.010 E	13.6	310.8	"
	17:45	2473	2459	19° 59.330 S	45.979 E	13.6	307.8	"
	18:00	2213	2211	57.006 S	42.845 E	13.7	308.7	"
	18:15	2094	2088	55.035 S	40.425 E	13.6	309.6	Peb, Jork
	18:30	1806 *	1951	52.824 S	37.660 E	14.2	309.6	"
	18:45	2129	2161	50.631 S	34.705 E	14.0	309.8	"
	19:00	2804	2864	48.404 S	31.355 E	13.7	302.8	"
	19:15	4756	4790	19° 46.147 S	8° 29.042 E	14.1	308.9	Zielinski
	19:30	4795	4828	43.976 S	26.249 E	13.6	308.7	"
	19:45	4804	4865	41.829 S	23.442 E	13.9	309.3	"
	20:00	4817	4855	39.592 S	20.461 E	14.1	302.8	"
20:15	4841	4879	19° 37.337 S	8° 17.488 E	13.8	309.1	Abelmann	
21:15	4978	5020	27.887 S	05.362 E	14.1	309	ZOBARANK	
21:45	5014	5057	23.927	00.308	13.8	310	"	
22:00	5032	5089	21.94 S	57.90 E	13.6	311	Huppel	
22:15	5045	5093	19.71 S	55.06 E	13.6	307	"	
22:31	5066	5114	17.46 S	51.88 E	13.7	307	"	
22:45	5060	5112	15.64 S	49.27 E	13.7	307	"	
23:00	5101	5163	13.549	46.508	13.7	309.2	Rehder	
23:15	5122	5167	11.348	43.704	13.6	307.1	"	
23:30	5130	5179	09.234	40.933	13.5	308.6	"	
23:45	5142	5204	07.112	38.138	13.6	308.2	"	
20.4.91	00:00	5148	5200	05.513	35.047	13.5	304.7	"
	00:15	5152	5205	03.513	32.480	13.5	302.7	"
	00:30	5158	5210	01.300	29.557	13.1	308.2	"



Station ; Speicherung
aus

Station 2110, Speicherung aus
Multicores auf Grund 13:44.
Koran Korum raus,
Speicherung bei

4 4 5000 200 4 S 40 266 10 4 3 1

0

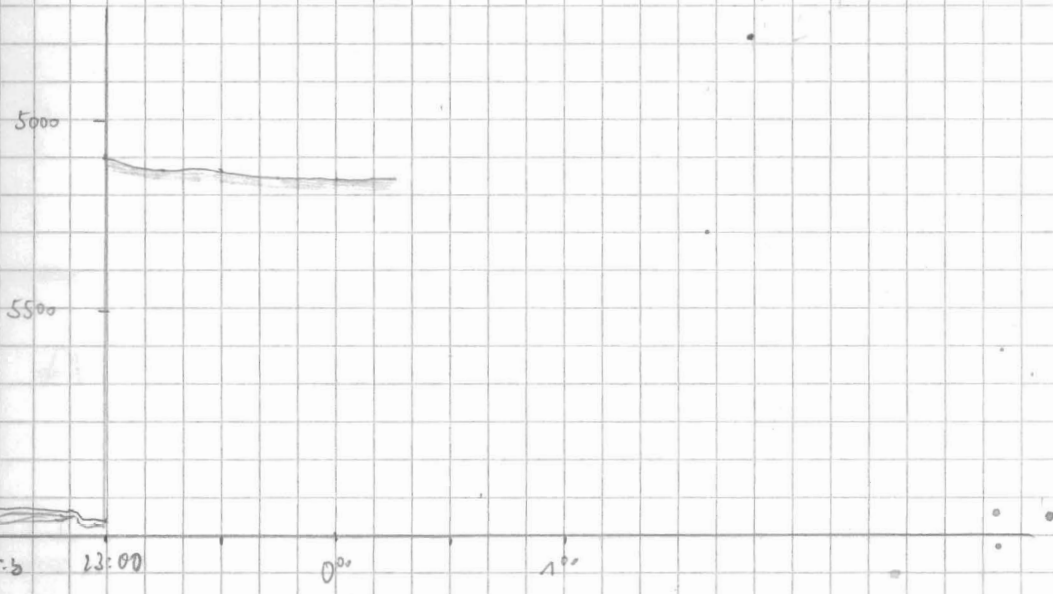
18:55 : auf 1:5000 Papierband gestellt

4 4 5000 200 4 S 40 266 10 0 3 1

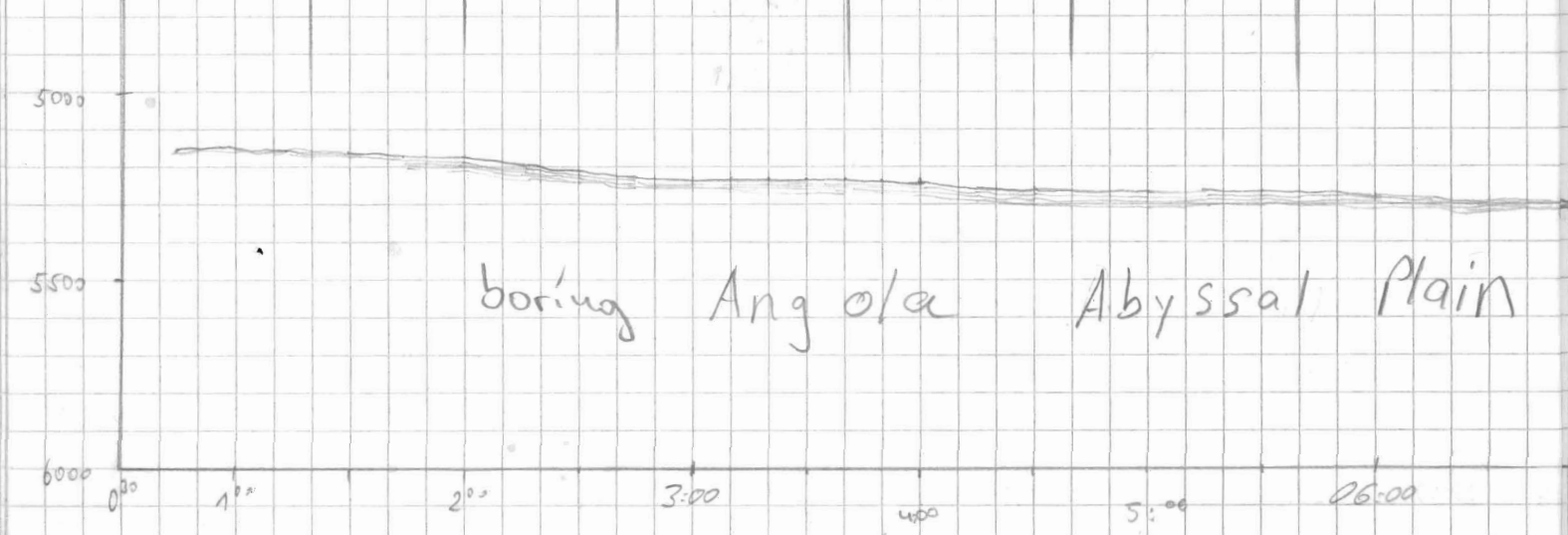
4 4 5000 200
10000

Backup Nr. 23

4 4 10000 200 4 S 40 266 10 0 3 1



Datum	Uhrzeit UTC	Tiefe PS	Tiefe HS	Profk	Länge	Speed	Kurs	Wache
20.04.91	00:45	5165	5219	18° 59' 17.0" S	7° 26' 7.55" E	13.5	309.0	R. Moll
	01:15	5178	5227	54.803	21.160	13.7	312.0	"
	01:30	5178	5229	52.636	18.615	13.7	311.9	"
	01:45	5178	5232	50.904	16.559	13.7	311.8	"
	02:00	5192	5241	48.1	12.9	13.7	307.2	F. Niederjasper
	02:15	5200	5250	46.0	10.2	13.6	310.1	"
	02:30	5208	5260	43.8	7.4	13.8	306.5	"
	02:45	5215	5263	41.7	4.5	13.7	310.6	"
	03:00	5218	5270	39.7	01.7	13.5	308	Hubert
	3:15	5226	5276	37.4	6° 58.9" E	13.5	311	"
	3:30	5229	5284	35.4	56.2" E	13.6	307	"
	3:45	5235	5284	33.3	53.3	13.2	307	"
	4:00	5242	5286	31.3	50.7	13.2	309	"
	4:15	5252	5303	29.2	47.9	13.5	308	"
	04:30	5262	5318	27.0	45.4	13.2	308	F. Niederjasper
	04:45	5266	5322	24.9	42.2	13.3	309	"
	05:00	5271	5330	22.9	39.6	13.1	310	"
	05:15	5275	5326	20.8	36.9	13.5	310	"
	05:30	5276	5332	18.7	34.1	13.8	307	"
	05:45	5281	5334	16.6	31.3	13.7	309	"
	06:00	5285	5344	14.5	28.5	13.4	308	M. Schacht
	06:15	5287	5341	12.5	25.8	13.2	309	"
	06:30	5290	5335	10.4	23.1	13.2	309	"
	06:45	5295	5351	8.3	20.3	13.6	308	"
	07:00	5299	5356	18° 06.17" S	6° 17.54" E	13.1	309	N. L.
	07:15	5303	5355	04.09	14.91	13.4	309	"
	07:30	5308	5363	01.98	12.26	13.4	310	"
	07:45	5313	5365	17° 59.90" S	09.49	13.4	306	"
	08:00	5318	5371	57.93" S	6.68'	13.6	306	I. Madant
	8:15	5323	5379	55.91" S	3.80'	13.6	306	"
	8:30	5328	5382	53.84" S	0.93'	13.7	308	"
	8:45	5332	5385	51.75" S	5° 58.17" E	13.3	309	"
	9:00	5336	5389	49.59" S	55.46" E	13.4	310	"
	9:15	5337	5392	17° 47.457" S	5° 52.748" E	13.1	309	MK
	9:30	5342	5395	45.360" S	50.097" E	13.4	309.4	MK
	9:45	5347	5404	43.263" S	47.358" E	13.3	308.9	MK
	10:00	5352	5407	41.123" S	44.594" E	13.3	308.6	MK
	10:15	5358	4413	38.985" S	41.711" E	13.5	308.3	MK
	10:30	5361	5417	37.046" S	39.158" E	13.3	308.8	MK
4500	10:45	5366	5425	34.921" S	36.339" E	13.3	307.7	MK
	11:00	5369	5426	32.903" S	33.648" E	13.3	307.5	MK



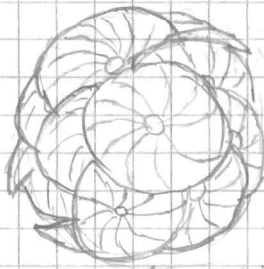
Freq	Pulse	Range	Scale	Mode	Sij	Freq	Time	WT	R	H	Az
4	4	10 000	200	4	5	40	266	10	5	3	1

Bemerkungen

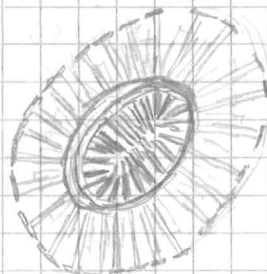
Rolle Nr. 12

ERROR 64 DESD am / an o.f.

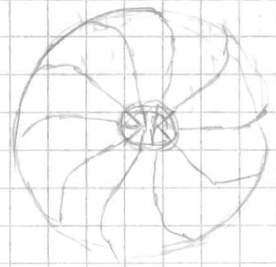
3 3



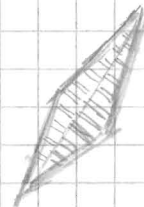
Knappelbuschia



Mike



mit Befragung ⁵⁵⁰⁰ auf das letzte Wort



07.00

08.00

09.00

10.00

11.00

Datum	Uhrzeit	Tiefe 13	Tiefe 49	Breite	Länge	Speed	Kurs	Wache
20.4.91	11.15	5373	5431	17° 30' 800 S	5° 30' 914 E	13.3	309	J. Schmitt
	11.30	5377	5437	28.755 S	28.223 E	13.3	308	"
	11.45	5380	5439	26.665 S	25.471 E	13.6	308	-
	12.00	5382	5440	24.588 S	22.598 E	13.3	307	"
	12.15	5385	5443	22.554 S	19.912 E	13.4	309	"
	12.30	5388	5445	20.409 S	17.332 E	13.4	308	"
	12.45	5390	5447	18.294 S	14.549 E	13.3	308	-
	13.00	5395	5453	16' 236 S	11.886 E	13.3	309	M. Jodeman
	13.15	5397	5456	14' 120 S	09.188 E	13.2	309	M. Jodeman
	13.30	5397	5453	12' 050 S	06.523 E	13.1	309	M. Jodeman
	13.45	5399	5455	10.019 S	03.785 E	13.2	307	M. Jodeman
	14.00	5402	5462	08.000 S	01.035 E	13.1	307	M. Jodeman
	14.15	5404	5460	17° 06' 22 S	4° 58.451 E	13.3	309	H. VANHOFF
	14.30	5408	5465	03.931 S	55.649 E	13.4	308	"
	14.45	5411	5467	01.882 S	52.959 E	13.4	308	"
	15.00	5414	5471	16.59.599 S	50.009 E	13.5	308	"
	15.15	5418	5472	16° 57' 504 S	4° 47.328 E	13.5	307	KRÜGER
	15.30	5419	5476	16° 55' 461 S	4° 44.576 E	13.4	308	"
	15.45	5421	5492	16° 53' 360 S	4° 41.845 E	13.4	307	"
	16.00	5423	5481	16° 54' 423 S	4° 39.184 E	13.5	308	"
	16.15	5426	5487	16° 49' 221 S	4° 36.287 E	13.5	308	"
	16.30	5428	5486	16° 47' 054 S	4° 33.497 E	13.7	308	"
	16.45	5433	5489	16° 44' 938 S	4° 30.710 E	13.4	309	"
	17.00	5434	5489	16° 42' 827 S	4° 27.953 E	13.4	309	"
	17.15	5436	5495	16° 40' 751 S	4° 25.196 E	13.4	308	Powig
	17.30	5437	5493	16° 38' 714 S	4° 22.620 E	12.8	309	"
	17.45	5440	5495	16° 36' 527 S	4° 19.911 E	13.3	311	"
	18.00	5441	5498	16° 34' 386 S	4° 17.341 E	13.4	310	"
	18.15	5443	5501	16° 32' 428 S	4° 14.739 E	13.4	307.4	Rainer
	18.30	5446	5506	30.330 S	11.817 E	13.3	307.5	"
	18.45	5447	5509	28.304 S	09.052 E	13.6	307.2	"
	19.00	5450	5505	26.274 S	06.306 E	13.6	308.3	"
	19.15	5452	5510	24.140 S	03.476 E	13.4	307.9	W. Zilber
	19.30	5453	5514	22.020 S	00.823 E	13.3	308.9	"
	19.45	5456	5515	20.002 S	3° 58.032 E	13.3	306.4	"
	20.00	5458	5505	17.886 S	55.450 E	13.1	310.9	"
	20.15	5460	5520	15.775 S	52.728 E	13.2	308	Abelmann
	20.30	5462	5519	13.752 S	49.964 E	13.2	307	"
	20.45	5463	5521	11.678 S	47.179 E	13.5	308	"
	21.00	5463	5522	09.603 S	44.502 E	13.3	307.6	"
	21.15	5465	5530	07.641 S	41.914 E	13.5	309	BOWMAN
	21.30	5466	5526	05.415 S	38.972 E	13.1	307	"
	21.45	5466	5527	3.503 S	36.485 E	13.2	308	"
	22.00	5466	5530	1.51 S	33.51 E	13.2	309	"

5000

DIESE UNTIEFEN ERSCHWEREN DIE WACHE UNGEMEIN

... fast wie zu Hause



5500

11.00 11.30 12.00 12.30 13.00 14.00 15.00 16.00 17.00

4 4 10 000 200 4 5 40 266 10 3 3 1

5

Was wenn plötzlich auch auch heftig?

← Plötzliche Seemann + sehr stark → Signal

5

7

6

Baumich wald los 8

Die Spannung steigt ins un-erwartete; bald wird es passieren... was passiert? DIE WACHABLÖSUNG

5

5

Gähnen!!
immerhin, 4 m Höhenunterschied!
nein 6 m

Prognose bis 23.4. : _____



Pterocorys knappersbuschii



Datum	Zeit	Tiefe PS	Tiefe HS	Brute	Large	Speed	Kass	Wache	
20.4.91	22:00	5466	5530	16° 01.51'S	3° 33.51'E	13.2	309	Hubbeth	
	22:15	5470	5534	15° 59.32'S	3° 30.86'E	13.1	312	"	
	22:30	5472	5540	56.94'S	3° 28.28'E	13.3	315	"	
	22:45	5474	5532	54.61'S	25.97'E	13.4	315	"	
	23:00	5476	5537	52.442	23.877	13.4	308.2	Reidloch	
	23:15	5478	5535	50.349	20.627	13.5	307.6	"	
	23:30	5480	5543	48.278	17.897	13.5	308.3	"	
	23:45	5482	5541	46.112	15.177	13.5	308.4	"	
	21.04.91	00:00	5484	5542	44.280	12.274	13.5	308.4	"
		00:15	5484	5546	42.490	09.736	13.4	306.1	"
00:30		5486	5544	40.357	06.741	13.2	307.4	"	
00:45		5488	5541	38.545	04.150	13.3	305.8	"	
01:00		5489	5548	36.777	01.157	13.1	308.4	"	
01:15		5490	5549	34.301	2° 58.432 E	13.2	307.3	"	
01:30		5492	✓	32.303	55.784	13.5	307.1	"	
01:45		5494	5553	30.205	52.957	13.3	308.0	"	
02:00		5495	5553	28.177	50.216	13.2	307.5	"	
02:15		5494	5560	25.946	47.508	13.7	308.9	"	
02:30		5497	5557	23.704	44.800	13.3	310.4	"	
02:45		5499	5561	21.810	42.425	13.3	308.4	"	
03:00		5501	5564	19.746	39.477	13.4	304.4	"	
03:15		5501	5565	17.946	36.913	13.5	308.8	"	
03:30									
04:00		5505	5568	15° 10.8125	2° 27.874 E	13.8	309.7	R.M.S.	
04:15		5506	5572	9.0	25.7	13.6	310.0	F. Niederjospex	
04:30		5505	5568	6.9	23.0	13.4	307	"	
04:45		5505	5583	4.5	19.6	13.3	306	"	
05:00		5476	5553	2.8	17.5	13.2	310	"	
05:15		5452	5498	0.5	15.0	13.3	310	"	
05:30		5453	5571	14° 58.45	12.3	13.3	308	"	
05:45		5505	5571	56.5	9.5	13.6	304	"	
06:00		5504	5575	54.5	06.7	13.3	307	N.L.	
06:15	5502	5570	52.4	03.8	13.2	308	"		
06:30	5504	5568	50.5	01.3	13.1	309	"		
06:45	5505	5567	48.4	1° 58.7	13.1	310	"		
07:00	5508	5570	46.2	56.0	13.0	310	"		
07:15	5508	5574	44.1	53.6	13.4	310	"		
07:30	5508	5571	42.0	50.6	13.6	307	"		
07:45	5511	5584	40.1	47.9	13.4	307	"		
08:00	5511	5573	38.0	45.2	13.5	307	"		
8:15	5512	5578	35.88	42.44 E	13.4	308	A. Maden		

5000

5500

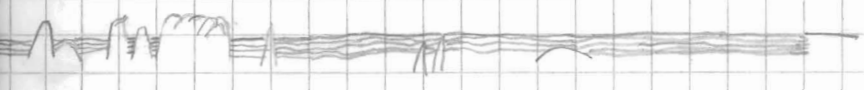
22:00 22:30 23:00 0° 1° 2° 3° 4°

Bamberg

Freq	Pulse	Range	Scale	Mode	Co	Pl	Time	wt	R	H	n
4	4	10000	200	4	S	40	266	10	5	3	1
4	4	10000	200	4	S	40	266	10	5	3	1

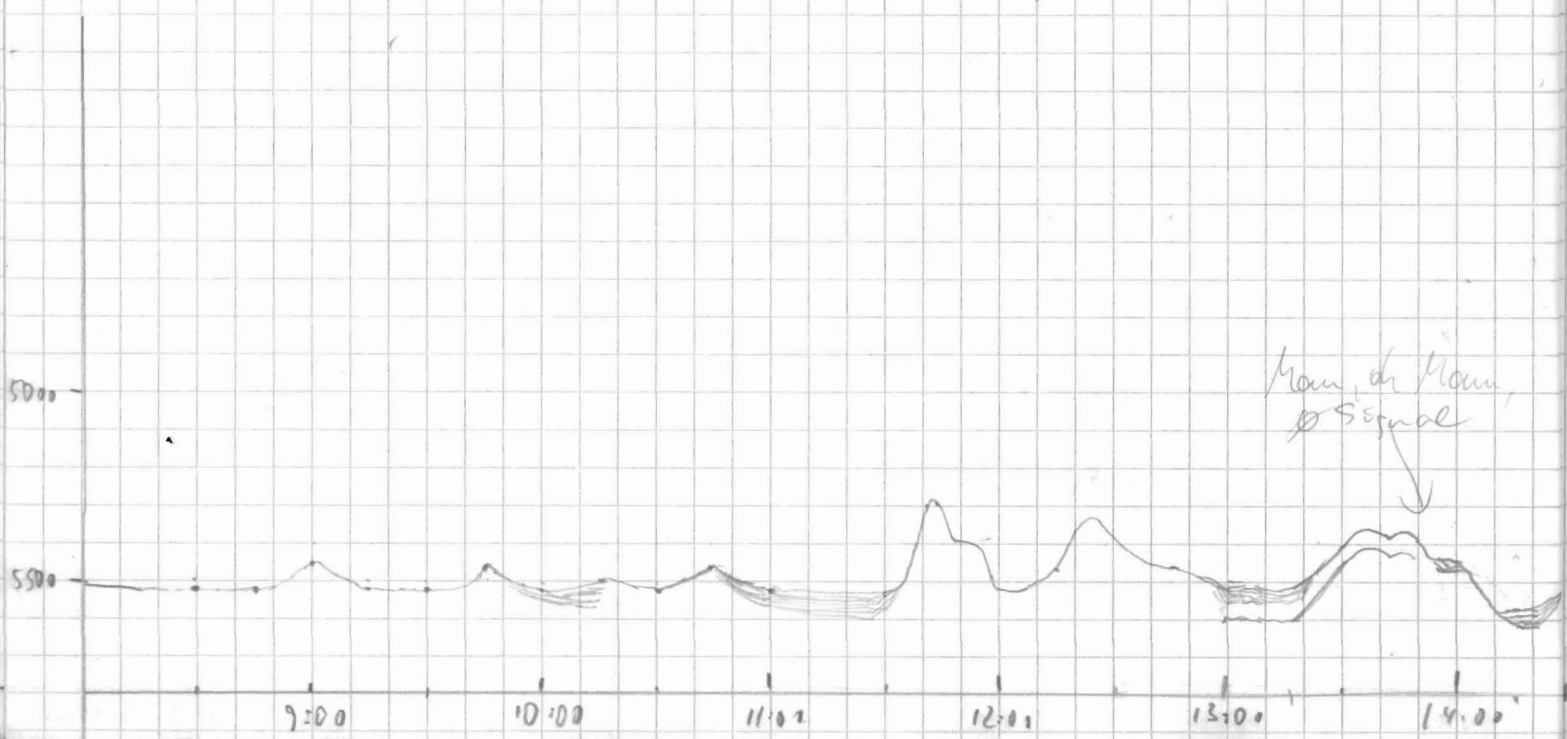
4	4	10000	200	4	S	40	266	10	5	3	1
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Backup Nr. 224
o.k.



500 600 700 800

DATUM	ZEIT	TIEFEN	TIEFE HS	BREITE	LÄNGE	SPEED	KURS	WACHE
21.4.91	8:30	5512	5576	14° 33.83'S	1° 39.72'E	13.7	308	M. Maden
	8:45	5512	5574	31.66'S	36.77'E	13.4	307	"
	9:01	5467	5377	29.55'S	34.07'E	13.5	308	"
	9:15	5513	5580	27.530'S	31.464'E	13.6	309	MK
	9:30	5513	5606	25.486'S	28.909'E	13.6	309	MK
	9:45	5481	5564	23.075'S	26.040'E	13.7	311.5	MK
	10:00	5513	5580	20.692'S	22.980'E	13.7	308.2	MK
	10:15	5498	5554	18.759'S	20.586'E	13.8	306.7	MK
	10:30	5526	5587	16.738'S	17.721'E	13.8	304.1	MK
	10:45	5474	5617	14.771'S	14.560'E	13.2	309.4	MK
	11:00	5536	5604	12.835'S	12.199'E	13.5	310.9	MK
	11:15	5537	5606	10.452'S	09.580'E	13.7	313.7	J. Schindler
	11:30	5535	5605	08.117'S	06.965'E	13.6	307.6	"
	11:45	5303	5355	06.221'S	04.102'E	13.7	303	"
	12:00	5508	5563	04.496'S	01.068'E	13.7	299	"
	12:17	5404?	5332	02.14 N	0° 57.70 E	13.9	308	"
	12:30	5377	5437	00.345 S	55.50 E	13.6	311	"
	12:45	5464	5533	13° 58.028 S	51.888 E	13.7	312	"
	13:00	5516	5598	55.764 S	50.323 E	13.7	309	"
	13:15	5537	5603	53.746 S	47.610 E	13.4	306	M. Maden
	13:30	5451	5528	51.757 S	44.830 E	13.5	308	M. Maden
	13:45	5376	5428	49.709 S	42.092 E	13.5	310	M. Maden
	14:00	54	55	47.438 S	39.473	13.8	313	M. Maden
	14:15	5562	5644	44.996 S	36.621 E	13.7	311	VONHOFF
	14:30	5533	5592	42.838 S	34.014 E	13.8	310	"
	14:45	5415	5483	40.780 S	31.318 E	13.5	306	"
	15:00	5303	5388	38.803 S	28.275 E	13.4	303	TAYLOR
	15:15	5314	5322?	36.834 S	27.752 E	13.4	311	"
	15:30	5309	5364	34.577	23.054 E	13.8	318	"
	15:45	5345	5408	13° 32.413 S	20.384 E	13.5	309	"
	16:00	5251	5313	30.194 S	17.797	13.5	311	"
	16:15	5496	5552	27.955 S	15.120	13.6	308	"
	16:30	5450	5401	25.724	12.412	13.9	310	"
	16:45	5278	5321	23.702	09.686	13.6	305	"
	17:00	5470	5557	13° 21.751	06.732 E	13.6	303	POWY



4 4 10 021 200 4 S 40 266 10 5 3 1

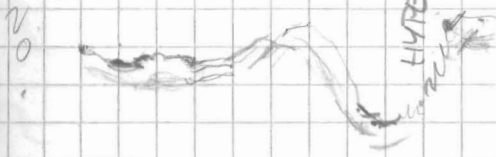
Voll Dramatik ist die
 Steuere,
 Nebel des Schweigens bedeckt
 das Land
 manche dachten; das
 schafft sie wie
 bis man am Morgen
 ein libliches Hügelchen
 fand.
 Die Becken füllt,
 die Mounts die Rippen,
 stannend Dir das Auge quillt,
 Tamara will den Berg
 weg schippen!

um 15.00 ist
 Berg fest!

Modders halt das Gär fest,
 sonst haut das ab zum Bergfest!

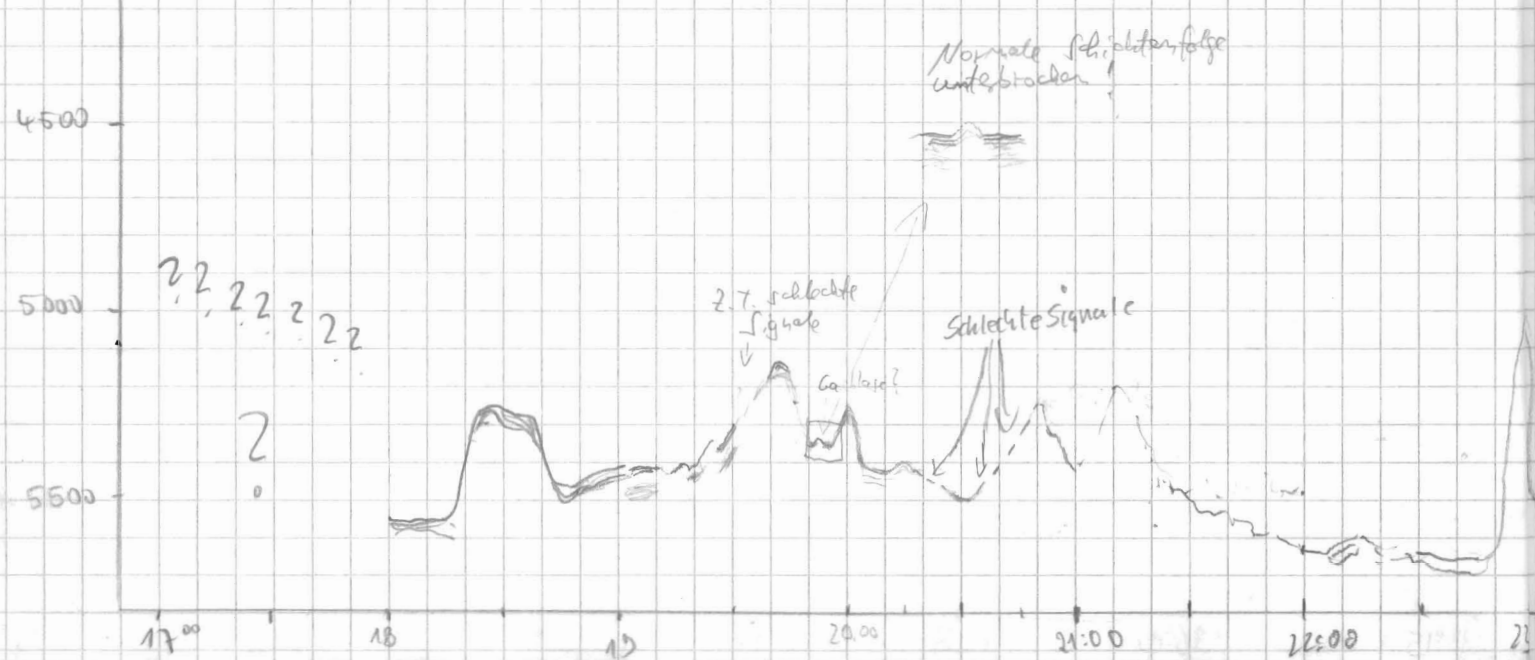
HYPERCHAOS, MASSIG SIGNALE
 (leider etwas un-
 koordiniert!)

Es "plötzliches Seemanns"
 ganz heftig + leise,
 nicht entgegen der Sprache,
 geht ab Neusöpfers auf die Reise
 des Syntax Error erste ist
 (entstanden aus dem
 großen Schwere)
 macht es sich auf große
 Fahrt
 Sdian doch nur, bald
 ist es weg



15 16:00 17

DATUM	ZEIT	TIEFE PS	TIEFE HS	BREITE	LÄNGE	SPEED	KURS	WACHE
21.04.91	17:15	5567	5633	18° 18.659 S	0° 04.076 E	13.4	310	Kübel
	17:30	5645	5715	17.463 S	01.344 E	13.8	307	Bouly
	17:45	5573	5801	15.539 S	03.001 W	13.6	307	
	18:00	5553	5623	13.784 S	0.04.700 W	13.6	307	
	18:15	5552	5663	11.296 S	06.894 W	13.5	307	Rainier
	18:30	5333	5442	13° 09.149 S	0° 09.730 W	13.7	308.1	"
	18:45	5428	5513	07.065 S	12.441 W	13.4	306.9	"
	19:00	5420	5498	04.992 S	15.121 W	13.7	308.5	"
	19:15	5397	5495	02.772 S	17.985 W	13.5	308.9	200' Z.
	19:30	5301	5369	00.693 S	20.668 W	13.4	309.0	"
	19:45	/	5240	12° 58.586 S	23.316 W	13.4	308.9	"
	20:00	5253	5308	56.495 S	25.982 W	13.0	309.7	"
	20:15	5421	5533	54.416 S	28.778 W	13.6	314.9	Abelmann
	20:30	5452	5550	52.066 S	31.307 W	13.4	306.7	"
	20:45	5349	5328	50.141 S	33.013 W	13.1	304.9	"
	21:00	5381	5466	48.282 S	36.838 W	12.9	307.9	"
	21:16	5211	5366	46.042	39.73	13.3	308.9	BORRANIN
	21:31	5552	5641	43.862	42.269	13.5	309.7	"
	21:45	5506	5600	41.88	44.75	13.2	310	"
	22:00	5608	5644	39.71	47.44 W	13.5	310	Mühlberg
	22:15	5529	5598	37.70	50.09	13.2	307	"
	22:30	5656	5760	35.62	52.80	13.3	308	"
	22:45	5653	5931	33.56	55.40	13.1	309	"
23:00	5002	5102	31.480	57.986	13.2	308.0	Adelich	
23:15	5522	5610	29.421	1° 00.648	13.3	307.4	"	
23:30	5224 *	5250	27.362	03.355	13.3	307.4	"	
23:45	5453	5576	25.260	05.963	13.0	308.6	"	
22.04.91	00:00	5006	5008	23.088	08.815	13.6	307.1	"
	00:15	5280	5347	21.068	11.458	12.9	308.6	"
	00:30	5654	5860	19.048	14.023	13.0	307.7	"
	00:45	5827	5926	16.964	16.681	13.4	307.3	"
	01:00	5815	5935	14.882	19.322	13.1	308.4	"
	01:15							
	01:45	5425	5515	08.652	27.417	13.7	309.1	
	02:00	5077	5141	06.497	30.107			



EQZ PULSE RANGE SCALE MODE SIG FREQ TIME WT T2 H M

4 4 10000 200 4 S 40 266 10 0 3 1

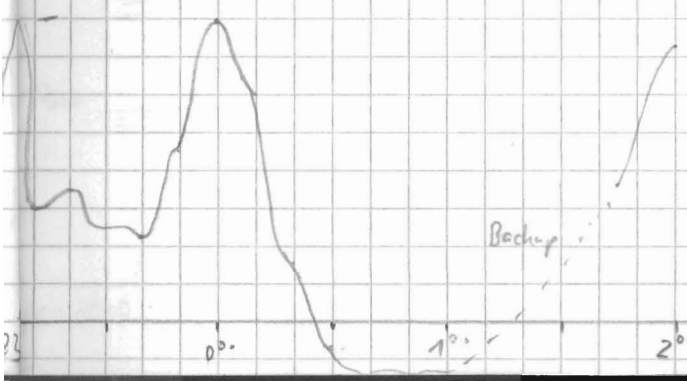
Papiervorschluss klemmt, silber
aufgerollt

Papierrolle schief gelagert, Auf-
zeichnung gestört.

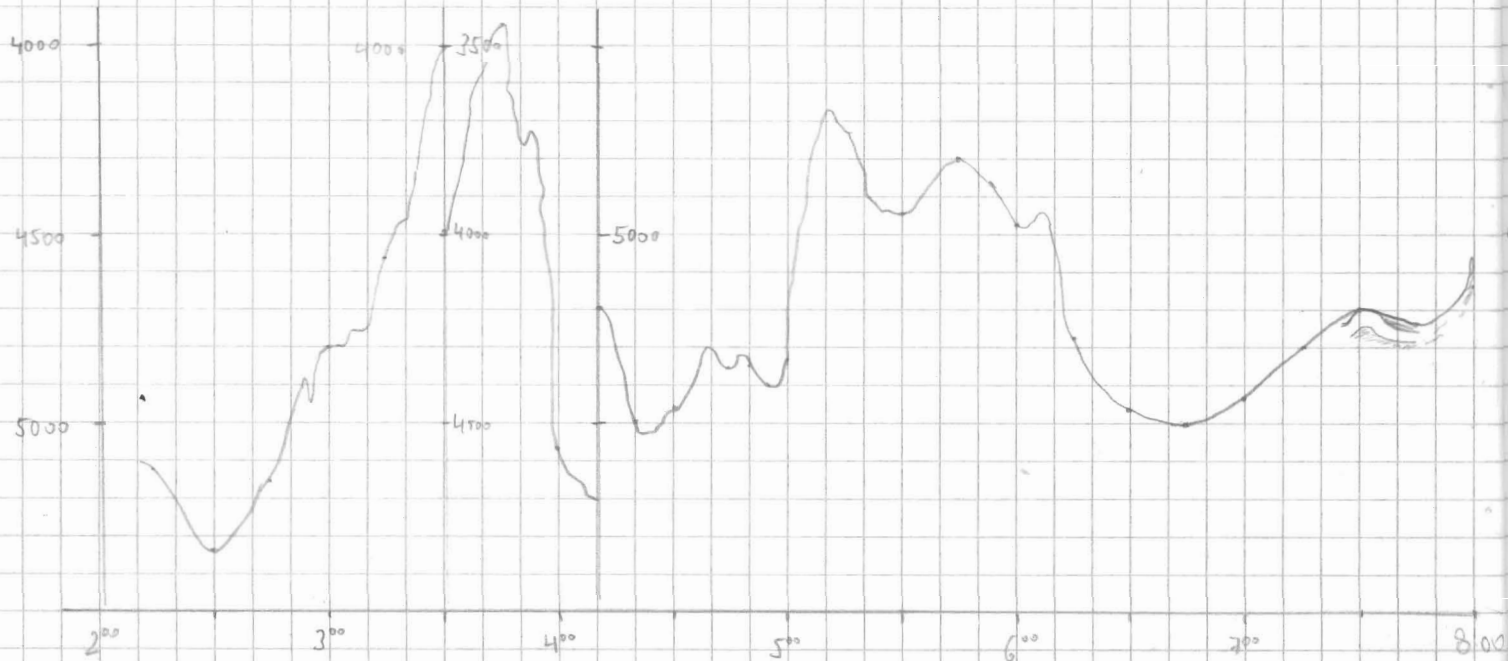
Papierrolle abgedreht,
da kein Transport mehr
möglich

Speicher aus

Backup NR. 025



Datum	Uhrzeit	Tiefe Ps	Tiefe	H ₀ Breit	Laenge	Speed	Kurs	Wache	Fr
22.04.97	02:15	5111	5249	12° 04,357 S	19° 32,845 W	13.3	309.0	Reklde	
	02:30	5314	5430	02,234 S	35,542 W	13.6	309.0	"	
	02:45	5154	5151	00,192	38,250	13.4	306.7	"	
	03:00	4803	4918	11° 58,147	40,912	13.3	308.6	"	
	03:15	4582	4615	56,102	43,519	12.8	308.9	"	
	03:30	4007	3935	54,038	46,102	13.3	308.0	"	
	03:45	3434	3533	51,960	48,712	13.2	308.5	"	
	04:00	4600	4576	49,871	51,429	13.5	308.0	"	
	04:15	5370	5449	47,847	54,151	13.3	306.1	"	
	04:30	5390	5441	45,740	56,870	13.4	308.2	"	
	04:45	5398	5354	43,619	59,540	13.4	308.7	"	
	05:00	5303	5332	41,500	2° 02,108	13.5	307.5	"	
	05:15	4716	4868	39,414	04,910	13.3	307.7	"	
	05:30	4898	4940	37,362	07,672	13.5	307.9	"	
	05:45	4802	4841	35,326	10,275	13.3	309.8	"	
	06:00	4950	5049	33,215	12,835	13.1	310.4	"	
	06:15	5195	5281	31,00	15,38	13.1	310.6	F Niedergasper	
	06:30	5395	5541	28,98	18,24	13.2	306.0	"	
	06:45	5502	5567	26,97	21,00	13.6	307.0	"	
	07:00	5452	5255	11° 24,88 S	2° 23,73 W	13,1	307	W. L.	
	07:15	5204	5055	22,86	26,33	13,4	309	"	
	07:30	5202	5273	19,59	30,36	13,4	309	"	
	07:45	5230	5281	18,64	31,51	13,3	309	"	
	08:00	5053	5088	16,47	34,24	13,3	309	"	
	8:45	5027	5047	14,47	36,83	13,4	309	Re Klde	
	8:30	5003	4990	12,36	39,45	13,5	309	"	
	8:45	4984	4992	10,27	42,08	13,3	310	"	
	9:00	4903	4911	8,31	44,81	13,3	304	"	
	9:15	5174	5350	05,975'S	47,70' W	13,3	311,0	MK	
	9:30	5367	5376	11° 03,944'S	2° 50,091' W	13,0	308,0	MK	
	9:45	5162	5197	01,987'S	52,756' W	13,0	306,5	MK	
	10:00	5053	5060	00,157'S	55,322' W	12,8	306,2	MK	
	10:15	5156	5116	10° 58,256'S	57,971 W	12,9	312,1	MK	
	10:30	5149	5114	56,080'S	3° 00,426' W	13,1	312,2	MK	
	10:45	5152	5163	53,843'S	03,131' W	13,2	308,2	MK	
	11:00	4932	4989	51,913'S	05,602' W	13,0	307,5	MK	

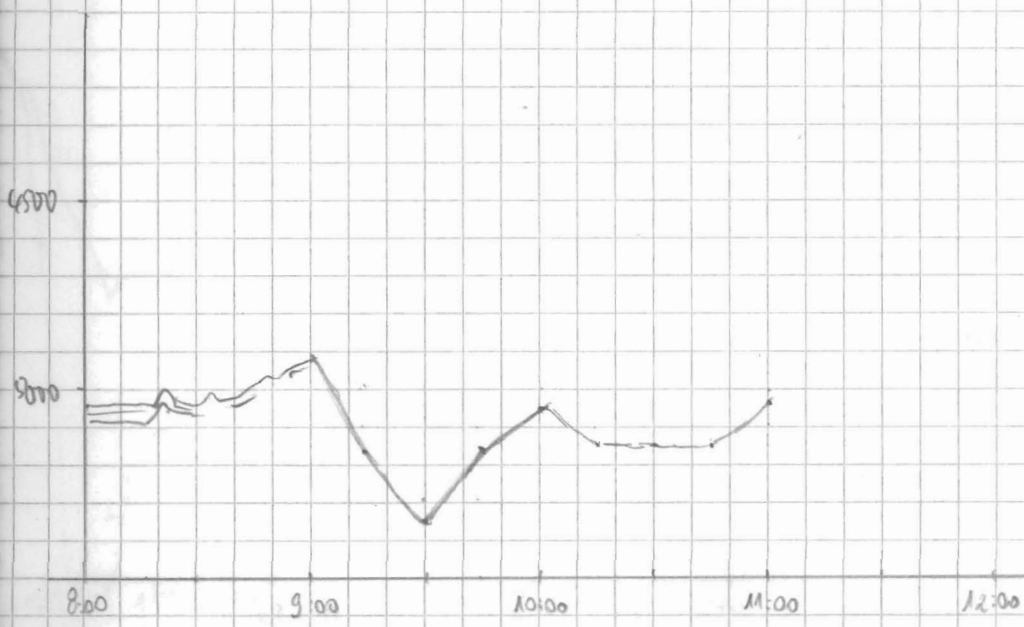


Freq	Pulse	Range	Scale	Mode	Sig	Freq	Time	WT	R	H	M
4	4	10 000	200	4	5	40	266	10	0	3	1

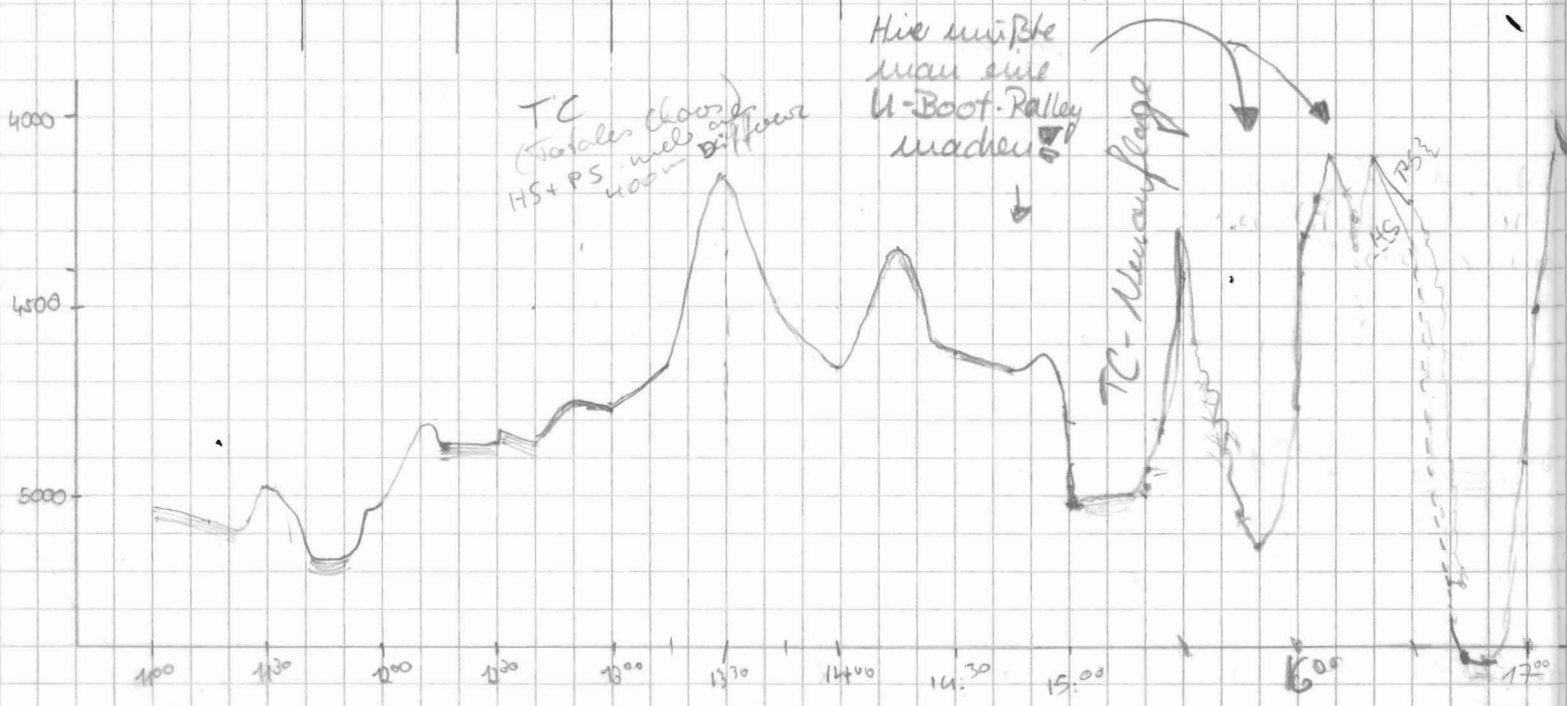
TBS
(Total berage. fgesch)

5000
10 000

immer noch TBS
Dauker aufgehängt, Neustart



Datum	Uhrzeit	Tiefe PS	Tiefe MS	Breite	Länge	Speed	Kurs	Werte
20.4.91	11 ¹⁵	5074	5082	10° 49' 900 S	3° 08' 227 W	13.2	308.2	J. Schmidmüller
	11 ²⁰	4983	5026	47' 814 S	10' 801 W	13.2	308.1	"
	11 ⁴⁵	5178	5182	45' 764 S	13' 405 W	13.3	307.4	"
	12 ⁰⁰	5002	5024	43' 767 S	16' 054 W	12.9	307.4	"
	12 ²⁵	4854	4861	41' 815 S	18' 62 W	13.0	307.5	"
	12 ³⁰	4859	4847	39' 752 S	21' 280 W	13.1	310.6	"
	12 ⁴⁵	4863	4868	37' 638 S	23' 755 W	13.2	309.7	"
	13 ⁰⁰	4745	4777	35' 712 S	26' 356 W	13.0	307.7	M. Jach
	13 ¹⁵	4653	4488	33' 602 S	28' 979 W	13.2	308	M. Jach
	13 ³⁰	3652	3944	31' 528 S	31' 592 W	13.2	306.6	M. Jach
	13 ⁴⁵	3972	4025	29' 548 S	34' 205 W	13.1	308.1	M. Jach
	14 ⁰⁰	4153	4199	27' 561 S	36' 825 W	13.1	307	M. Jach
	14 ¹⁵	4203	4341	25' 461 S	39' 624 W	13.1	307	VONHOF
	14 ³⁰	4503	4635	23' 294 S	42' 190 W	13.3	311	"
	14 ⁴⁵	4629	4671	21' 144 S	44' 761 W	13.1	308	"
	15 ⁰⁰	4703	5033	18' 968 S	47' 497 W	13.1	307	"
	15 ⁰²	5027	5034	18' 714 S	47' 877 W	13.0	307	Tarac
	15 ¹⁵	4977	5019	10° 17' 091' S	3° 49' 980' W	13.4	308	"
	15 ²⁰	4923	49163	16' 478 S	3° 50' 470' W	13.5	308	"
	15 ²²	4808	4842	10° 16' 123' S	3° 51' 188' W	13.2	307	"
	15 ³⁰	4402	4371	10° 15' 001' S	3° 52' 634' W	13.2	308	"
	15 ³⁸	4603	4675	10° 13' 941' S	3° 53' 975' W	12.9	308	"
	15 ⁴⁵	4902	5014	10° 13' 021' S	3° 55' 185' W	13.2	307	"
	15 ⁴⁶	5065	5099					
	15 ⁵⁰	5153	5164					
	16 ⁰⁰	4752	4708	10° 10' 934' S	3° 57' 875 W	13.1	308	
	16 ¹⁵	4203	4343	10° 08' 956' S	4° 00' 526 W	13.1	307	
	16 ³⁰	4202(?)	4318	10° 06' 931' S	4° 03' 092 W	13.4	307	
	16 ⁴⁵	5319	5431	10° 04' 920 S	4° 05' 784 W	13.3	304	
	16 ⁵⁰	5414	5424	10° 04' 213 S	4° 06' 705 W	13.2	307	
	17 ⁰⁰	4902	5019	10° 02' 936 S	4° 08' 438 W	13.2	307	
	17 ¹⁵	4103	4200	10° 00' 859 S	4° 11' 021 W	13.2	310	Lowy
	17 ³⁰	4313	4454	9° 58' 754 S	4° 13' 575 W	13.0	310	
	17 ⁴⁵	4668	4678	9° 56' 653 S	4° 16' 126 W	12.9	309.5	
	18 ⁰⁰	4603	4620	9° 54' 597 S	4° 18' 681 W	13.0	309.3	



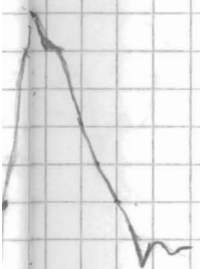
Fog Pulse Range Scale Mode Sig Fog Time Wt R H M Bemerkungen

4 4 10000 200 4 S 40 266 10 0 3 1

PS ZEIGT FALSCH TIEFE AN!

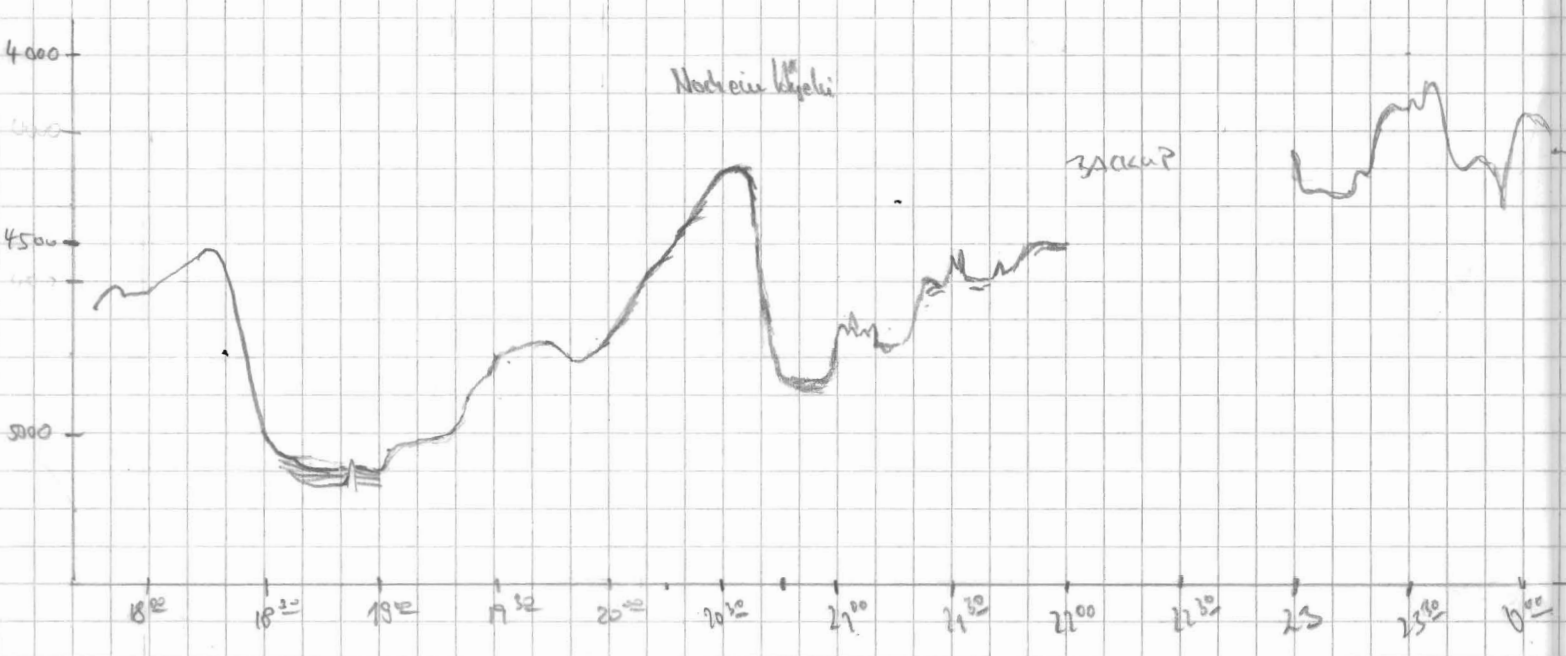
Deepplot: Zweite Kleckee,
 grau in grau für das
 avancé distische Blü-
 chenband von Gaultier

Ein neues Hügels!
 Speicherung ausgeschaltet



DATUM	ZEIT	TIEFE PS	TIEFE HS	BREITE	LÄNGE	SPEED	KURS	WACHE
22.4.91	18 ¹⁵	4405.0	4467	9° 52,483 S	4° 21,425 W	13,0	309.	Thomas
	18 ³⁰	4935	5093	49,857 S	24,687	13,2	308	"
	18 ⁴⁵	5036	5202	48,475 S	26,474	13,3	307	Rainw
	19 ⁰⁰	5103	5107	46,483 S	29,063	13,3	307,9	"
	19:15	5070	5076	44,782 S	31,819 W	13,5	307,5	Hel
	19:30	4803	4890	42,354 S	34,493 W	13,1	308,2	"
	19:45	/	4845	40,269 S	37,119 W	13,5	308,9	"
	20:00	4767	4816	38,212 S	39,728 W	13,4	308,0	"
	20:15	4551	4524	36,074 S	42,438 W	13,1	307,1	Andreu
	20:30	4297	4334	34,040 S	45,035 W	13,0	308.	"
	20:45	4705	4871	32,035 S	47,554 W	13,3	309	"
	21:00	4755	4692	29,973 S	50,135 W	13,2	308	"
	21:15	4609	4692	27,895 S	52,73 W	13,0	308	BOHRMANN
	21:30	4635	4750	25,83	55,33	13,2	309	"
	22:00	4504	4521	21,61	5 0,69	13,2	304	"
	22:45							
	23:00	4103	4277	9° 13,427 S	5° 11,372 W	13,1	306,7	Per Nils
	23:15	4370	4379	11,608	13,761	13,2	306,8	"
	23:30	4110	4125	09,636	16,398	13,3	306,4	"
	23:45	4209	4306	07,566	18,981	13,4	309,3	"

23.4.91	00:00	4188	4125	05,379	21,656	13,4	309,0	"
	00:15	4208	4237	03,315	24,220	13,2	308,0	"
	00:30	4286	4297	02,532	27,600	13,3	307,0	"
	00:45	4470	4496	8° 59,100 S	5° 29,510 W	13,3	306,6	"
	01:00	4565	4573	57,092	32,039	13,0	309,2	"
	01:15	4340	4360	54,547	35,156	13,4	308,6	"
	01:30	4369	4473	52,922	37,225	13,4	307,8	"
	01:45	4550	4554	50,773	39,977	13,4	308,7	"
	02:00	4489	4609	48,767	42,505	13,4	308,5	"
	02:15	4484	4536	45,894	45,212	13,5	307,6	"
	02:30	4300	4368	44,306	48,253	13,3	307,5	"
	02:45	4420	4462	42,534	50,486	13,5	308,9	"
	03:00	4458	4507	40,356	53,159	13,3	308,1	"
	03:15	4450	4584	38,319	55,746	13,4	308,1	"
	03:30	4453	4426	36,268	58,350	13,4	307,6	"



FREQ FUSE RANGE SCALE MODE SIG FREQ TIME WGT TR H M

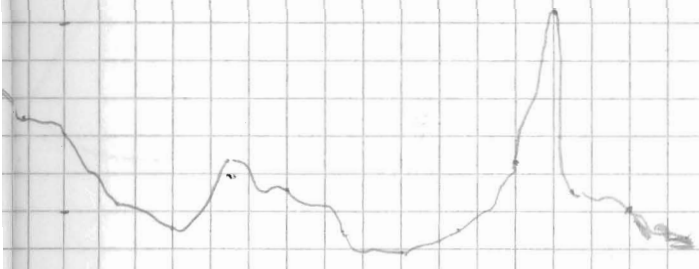
BEMERKUNG

4 4 10000 200 4 S 40 266 10 0 3 1

BACK UP NR. 026
Neuanfang

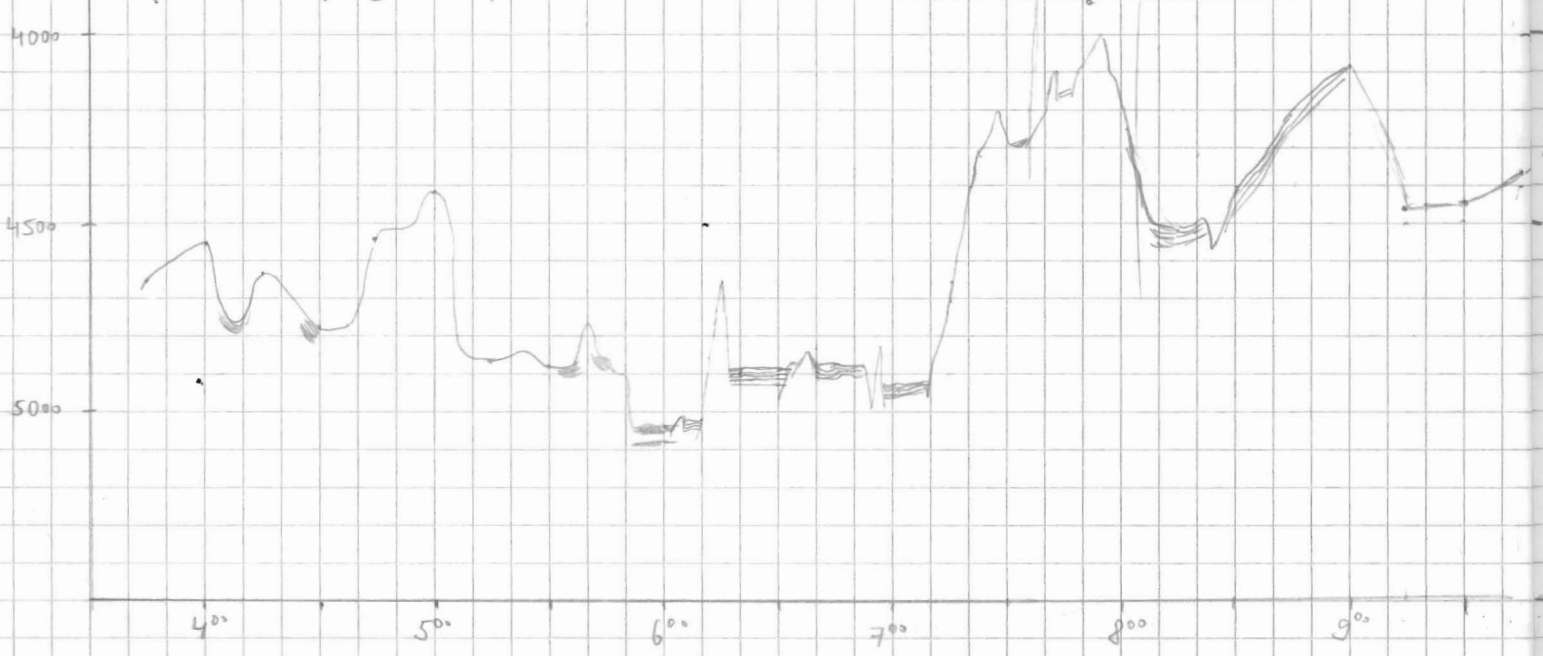
4 4 10000 200 4 S 40 266 10 0 3 1

Laufen Fehler bei digitaler
Tickenanzeige DESO

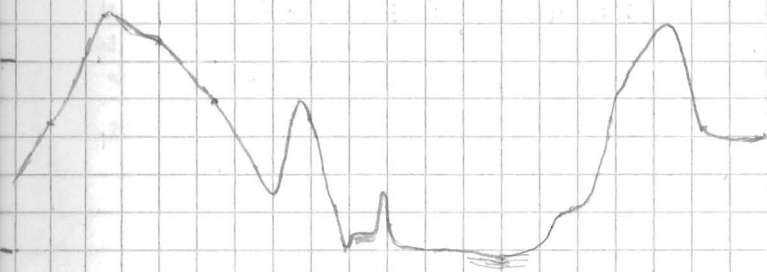


1° 2° 3°

Datum	Uhrzeit	Tiefe PS	Tiefe HS	Breite	Länge	Speed	Kurs	Wache
23.4.91	03:45	4560	4653	8° 34.327 S	6° 00.777 W	13.4	308.8	P. Müller
	04:00	4503	4548	32.071	03.621	13.3	308.6	"
	04:15	4653	4633	30.015	06.249	13.3	307.8	"
	04:30	4703	4723	28.003	08.865	13.3	307.0	"
	04:45	4503	4532	25.990	11.504	13.2	308.4	"
	05:00	1 ?	4408	23.925	14.116	13.3	308.6	"
	05:15		4862	21.839	16.751	13.4	307.9	"
	05:30	4755	4885	19.563	19.537	13.2	308.4	"
	05:45	4754	4851	17.648	22.011	13.2	307.6	"
	06:00	4953	5071	15.675	24.457	13.3	308.6	"
	06:15	4953	4649	13.45	27.33	13.1	307.8	F. Niederjäger
	06:30	4890	4896	11.39	30.0	13.1	308.7	"
	06:45	4885	4892	9.53	32.22	13.0	309.2	"
	07:00	4945	4722	8° 07.35 S	6° 34.93 W	13.1	309	N.L.
	07:15	4603	4371	05.32	37.86	13.0	309	"
	07:30	4303 ?	4338	03.25	40.09	13.3	307	"
	08:00	4302 ?	4593	07° 59.04	45.43	13.0	307	"
	8:15	4503	4598	57.19 S	47.89	13.2	307	P. Proder
	8:30	4403	4469	55.16	50.50	13.1	308	"
	8:45	4203	4232	53.13	53.11	13.3	308	"
	9:00	4104	4423	51.09	55.75	13.2	309	"
	9:15	4473	4551	48.997 S	58.992 W	13.0	309.1	MK
	9:30	4463	4544	46.923 S	7° 06.979 W	13.1	308.5	MK
	9:45	4373	4487	44.894 S	03.516 W	13.1	308.3	MK
	10:00	4173	4010	42.819 S	06.180 W	13.4	308.6	MK
	10:15	3892	3969	40.738 S	08.784 W	13.3	309.4	MK
	10:30	3943	4023	38.627 S	11.418 W	13.6	308.9	MK
	10:45	4102	4276	36.453 S	14.030 W	13.3	309.8	MK
	11:00	4362	4434	34.352 S	16.614 W	13.6	309.8	MK
	11:15	4353	4530	32.240 S	19.274 W	13.5	308.3	Schneidmüller
	11:30	4452	4558	30.065 S	21.981 W	13.4	307.7	"
	11:45	4502	4583	28.043 S	24.608 W	13.2	307.8	"
	12:00	4353	4527	16.019 S	27.257 W	13.3	307	"
	12:15	4362	4401	23.895 S	29.960	13.9	307	"
	12:30	4103	4191	21.869	32.808	13.4	308	"
	12:45	3903	4009	19.838	35.271	13.3	308	"
	13:00	4152	4368	17.800	37.890	2 13.5	309	"



Tiefenanzeige PS stimmt
nicht immer (Kornsch)



10⁰⁰

11⁰⁰

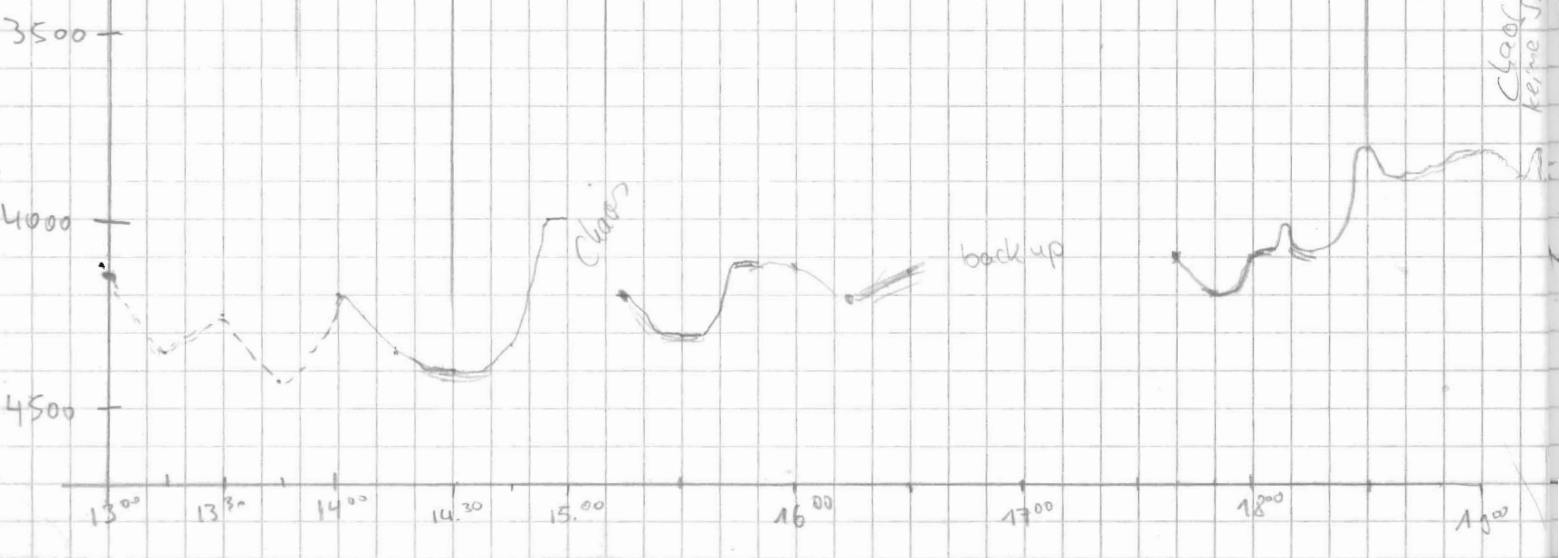
12⁰⁰

13⁰⁰

14⁰⁰

Datum	Uhrzeit	Tiefe PS	Tiefe MS	Breite	Länge	speed	Kurs	Wache
23.04.91	13:15	4353	4435	7° 15 650 S	7° 40 496	13.4	309	M. Kaden
	13:30	4254*	4308	13 551 S	43.043	13.3	308	M. Kaden
	13:45	4402*	4477	11 494 S	45 656	13.1	308.6	M. Kaden
	14:00	4202*	4312	09' 512	48 183	13.2	308.9	M. Kaden
	14:15	4157*	4356*	07.421	50.855	13.2	308.3	BRMS
	14:30	4353*	4400	7° 05.33	7° 53.52	12.9	308.7	HILBA'RT
	14:45	4353	4332	03 365 S	56.062 W	13.1	308	"
	15:00	5190	4002	01.301 S	58.646 W	13.2	308	"
	15:15	4103 (top)	4234*	6° 59.261 S	8° 01.244 W	13.4	308	Tacuna
	15:30	4303(?)	4349	6° 57.310 S	8° 03.713 W	13.1	304	"
	15:45	4252*	4156	6° 55.286 S	8° 06.31 W	13.0	308	"
	16:00	4003(?)	4121	6° 53.173 S	8° 08.982 W	12.9	308	"
	16:15	4103(?)	4195	6° 51.117 S	8° 11.541 W	13.1	309	"
	16:30	4053(?)	4130	6° 49.234 S	8° 13.930 W	13.0	309	"
	16:45	4053(?)	4157	6° 46.914 S	8° 16.854 W	13.1	309	"

	16:							
	17:40	3903	4069	6° 39.315 S	8° 26.203 W	13.2	308	Pouy
	17:45	4152	4330	6° 38.689 S	8° 26.982 W	13.1	309	"
	18:00	4103	4175	6° 36.721 S	8° 29.508 W	12.9	308	"
	18:15	4053	4022	34.356 S	32.665 W	13.3	305.9	Rauer
	18:30	3803	3801	32.699 S	34.667 W	13.6	305.6	"
	18:45	3904	3962	30.530 S	37.238 W	13.5	304.4	"
	19:00	3803	3930	28.520 S	39.977 W	13.4	305.9	"
	19:15	/	2971	26.552 S	42.667 W	13.3	305.5	UG
	19:30	4103	4203	24.601 S	45.376 W	13.1	309.1	"
	19:45	4202	4264	22.541 S	47.916 W	13.0	310.9	"
	20:00	4252	4431	20.452 S	50.396 W	12.6	308.1	"
	20:15	4103	4143	18.374 S	52.954 W	12.9	310	Ruchen
	20:30	4103	4173	16.800 S	55.453 W	13.2	310.1	"
	20:45	4153	4282	14.219 S	58.002 W	13.2	309.4	"
	21:00	3953	3984	12.166 S	9° 00.613 W	13.3	307.9	"
	21:15	3803	3862	10.119 S	9° 03.26 W	13.1	308.4	BONNANN
	21:34	3505	3415	6° 07.502 S	9° 06.56	13.1		"
	21:45	3303	3385	6 06.03 S	9° 08.44	12.7	311.	"
	22:00	3352	3428	03.926 S	10.807	13.2	310	Noble
	22:15	3303	3418	01.84 S	13.401	12.9	307	"
	22:30	3303	3418	5° 59.84 S	16.03	13.1	307	"
	22:45	3302	3418	57.92 S	18.53	12.8	308	"
	23:00	3452	3512	55.969	21.085	13.0	308.	BRMS



4 4 10000 200 4 5 40 266 10 0 3 1

Niemals finden wir
das Edo
ja, wo ist denn mir
die Tiefe?
Immer tiefer wird die
Krise,
von Parasound +
Hydroseepere.

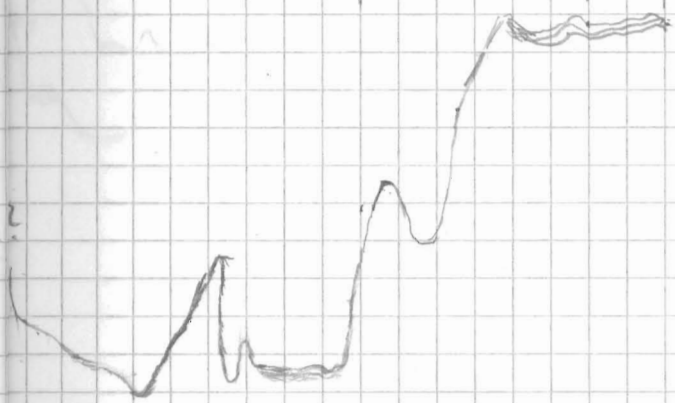
BACK UP NR 027
LESEKOPF DRECKIG?
anweis!

(Drei Wochen auf'm Schiff,
Dichters letzter Seiliff
Sind dann 4 Monate vorbei
entspricht der Stil dem letzten
Schrei)

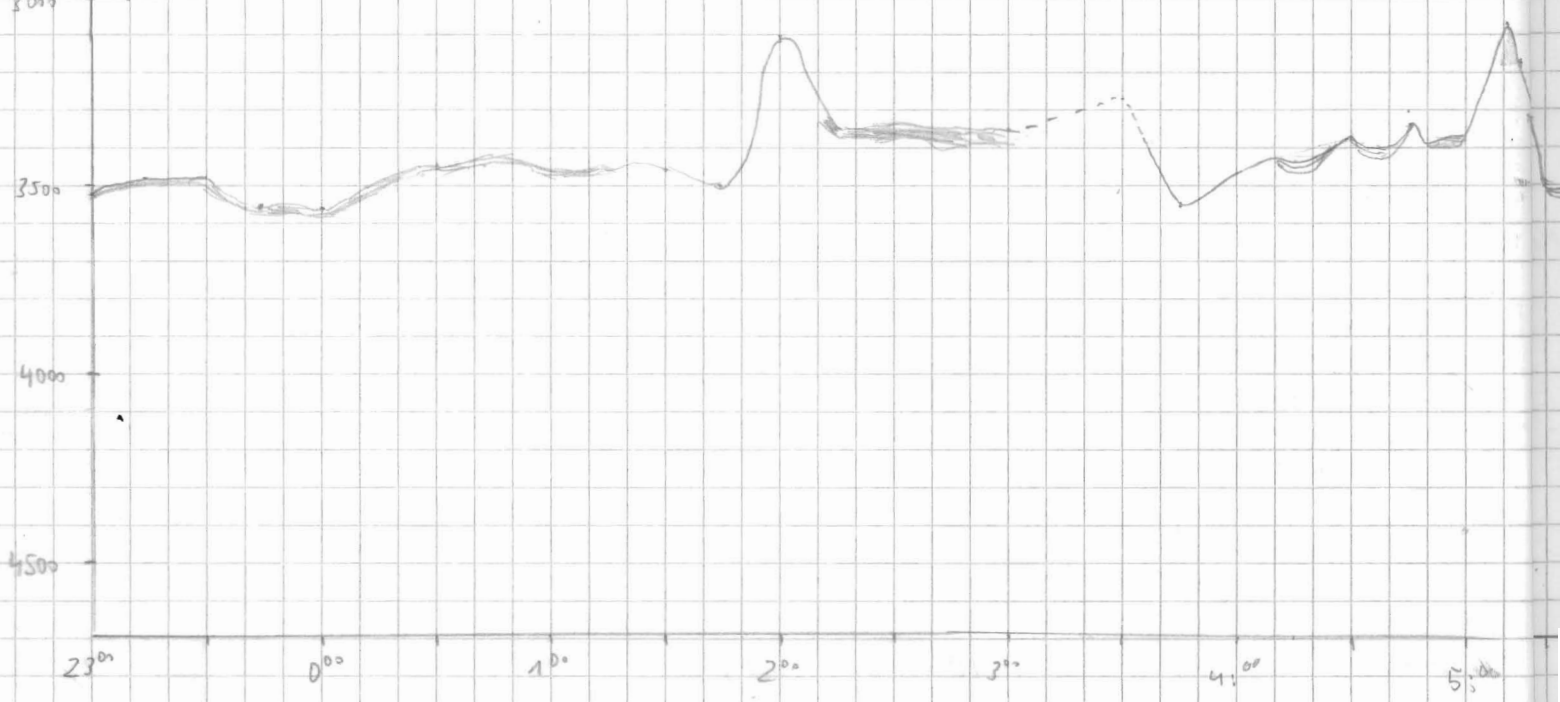
4 4 10000 200 4 5 40 266 10 0 3 1

Ich weiß nicht, was soll es
bedeuten
niemals sehen wir den Grund
wie rätseln und wie suchen
und die Feige werden wund
dann wir schieben das Feuer
wie Blöcke
(Monotonie wie auch gar zu öde)
und schon wieder kommt ein
Seemanns-Riese
wie freu' er uns auf die
nächste Krise
das Kästchen

Wie bitte? Was war das?
A



Datum	Uhrzeit	Tiek Ps	Tiek Hr	Breit	Länge	Speed	Kurs	Wache	F
23.04.97	22:15	3303	3430	5° 53.949 S	9° 23.679 W	12.9	308.7	REINER	
	23:30	3480	3486	51.976	26.207	12.9	308.1	"	
	23:45	3540	3546	49.953	28.756	12.7	308.1	"	
	00:00	3550	3547	47.918	31.251	13.0	309.3	"	
	00:15								
	00:30	3420	3431	44.042	35.995	12.8	307.2	"	
	00:45	3420	3420	41.952	38.558	13.4	307.0	"	
	01:00	3440	3444	39.394	41.722	13.3	305.6	"	
	01:17	3304	3457	37.170	44.504	13.4	308.1	"	
	01:28	3304	3454	35.944	46.206	13.2	306.3	"	
	01:43	3404	3505	33.862	46.975	13.3	303.2	"	
	02:00	*	3103	30.926	52.826	13.6	307.1	"	
	02:15	*	3357	29.487	54.760	13.5	308.0	"	
	02:34	3253	3407	26.708	56.106	13.1	308.8	"	
	03:00	3130	3320	28.023	02.627	13.4	308.8	"	
	3:16	3203	(3380)	5° 20.832	10° 05.412 W	13.0	309	MUSEKT	
	3:33	3270	*	18.6	08.1	13.0	308	"	
	3:45	3550	*	16.9	10.3	12.8	306	"	
	4:02	± 3354	*	14.7	13.0	13.1	307	"	
	4:17	3440	3438	12.6	15.8	13.3	300	"	
	4:30	3304	3368	10.9	18.0	13.6	308	"	
	4:45	3303	3346	09.0	20.5	13.2	308	"	
	5:00	3303	3325	06.9	23.1	13.1	309	"	
	5:15	3003	3174	04.9	25.6	13.1	309	"	
	5:30	3403	3407	02.7	28.4	13.2	309	"	
	5:45	3503	3613	00.182	31.522	13.2	308.7	"	
	6:00	3504	3609	58.6 S	33.4 W	13.4	307	"	
	06:15	2900	3096	4° 56.25	36.45	13.2	308	F. Niederjager	
	06:30	3200	2677	54.44	38.72	13.0	309	"	
	06:45	2800	2952	52.39	41.34	13.0	309	"	
2500	07:00	3103	3139	50.326 S	43.939 W	13.0	309	Abelmann	
07:15	3503	3744	48.218 S	46.551 W	13.4	309	"		
07:30	3653	3779	46.129 S	49.213 W	13.7	307	"		
07:45	3653	3778	44.110 S	51.860 W	13.5	307.6	"		
8:00	3653	3634	41.98	54.56	13.2	308	A. Hahn		
2000	8:15	3503	3613	39.93	57.17	13.5	309	"	



Frg Pulse Range Scale Mod. Sig Frg Time LT R H M Bemerkung

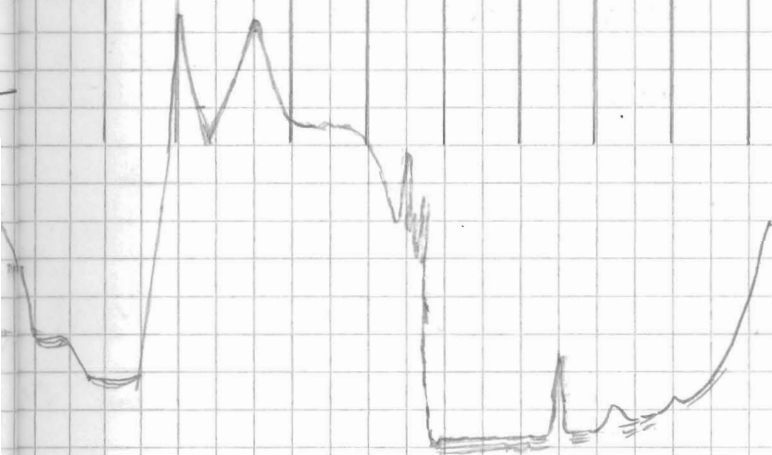
4 4 10 000 200 4 5 40 266 10 0 3 1

5000

Paradise abgelesen, Newton

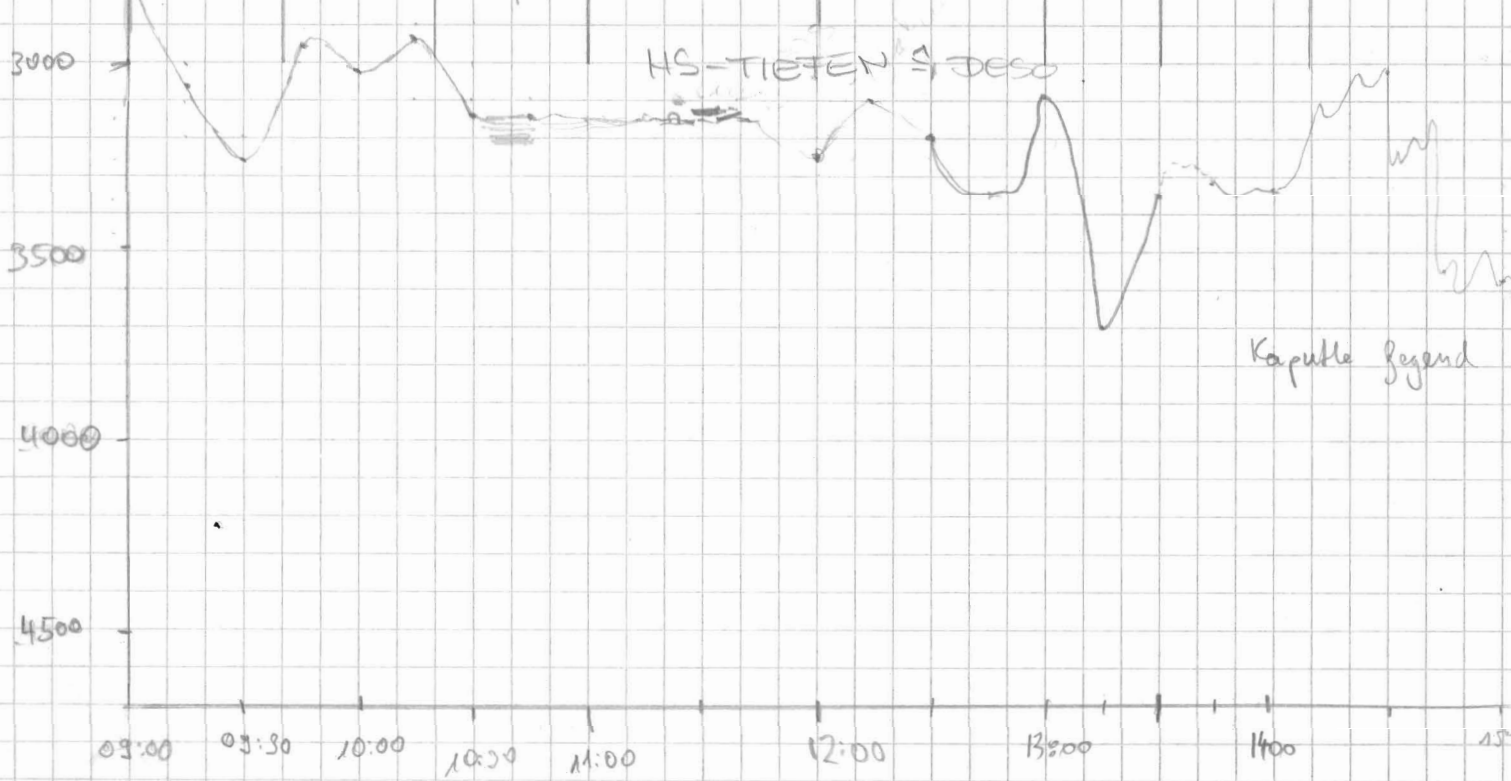
keine Hydromertiefe angegeben.

Hydromertiefe wieder da



6:00 07:00 08:00 09:00

Datum	Wkzeit	Tiefe PS	Tiefe HS	Breite	Länge	Speed	Kurs	Wache
24. 4. 91	8:30	3404	3595	4° 37.86'S	10° 59.83'W	13.1	308.3	12. Proben
	8:45	3204	3317	35.76	2.47'	13.1	308.3	-
	9:00	2803	2851	33.72	5.01'	13.3	308.6	-
	9:15	3084	3187	31.527S	11° 07.769W	13.0	309.0	MK
	9:30	3258	3334	29.539	11° 10' 219W	13.2	309.5	MK
	9:45	2964	2999	27.357	12.834W	13.4	309.4	MK
	10:00	3014	3057	25.276S	15.449W	14.0	308.8	MK
	10:15	2933	3066	23.182S	18.073W	13.8	308.4	MK
	10:30	3154	3188	21.125S	20.680W	13.2	308.0	MK
	10:45	3154	3205	19.034S	23.288W	13.4	308.5	MK
	11:00	3154	3255	16.888S	25.946W	13.8	311.5	MK
	11:15							
	11:42	3053	3188	4° 10.942'S	11° 33.126W	12.9	307	Tanker
	12:00	3054*	3263	4° 08.559'S	11° 36.306'W	13.4	308	"
	12:15	3103*	3097	4° 06.433'S	11° 39.124W	13.4	307	"
	12:32	2953 (P)	3209	4° 04.095'S	11° 42.017W	13.4	309	"
	12:47	3304	3367	4° 01.099'S	11° 44.817W	13.6	308	"
	13:00	3103	3117	4 00 1915	11° 46.963 W	13.4	308	Mc Ladema
	13:15	3703	3781	3° 58' 141 S	49.454 W	13.5	307.7	Mc Ladema
	13:30	3453	3484	56' 001 S	52 118 W	13.7	306	" "
	13:45	3253	3321	53' 938 S	54 840 W	13.6	309	"
	14:00	3303	3316	51' 856 S	57 454 W	13.4	308	"
	14:30	2953	3009	3° 47.553 S	10° 02.893 W	12.5	308.6	RESEARCH
	14:45	3503	3578	45.496	05.419	13.4	308.0	"
	15:00	3454	3589	43.498	08.041	13.5	308.0	"
	15:15	3804	3786	41.331	10.667	13.3	308.7	"
	15:30	2554	2760	39.202	13.268	13.5	309.8	"
	15:45	2502	2500	37.135	15.883	13.7	307.0	"
	16:00	2403	2610	35.033	18.674	13.4	307.7	J. Schein
	16:15	2553	2520	33.100	21.088	13.4	308	"
	16:30	2304	2292	30.989	23.754	13.5	308	"
	16:45	2404	2465	28.746	26.571	13.7	309	"
	17:00	2504	2531	26.780	29.128	13.3	308	"



4 4 5000 200 4 S 40 266 10 0 3 1

4 4 5000 200 4 S 40 266 10 0 3 1

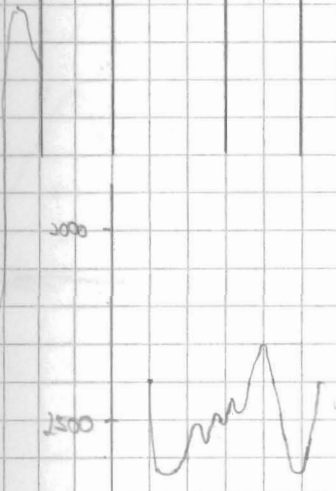
BACK UP Nr. 28

Wieder einmal auf der Wade!
 ständig regelt man nur hinter
 Leber wät: wir he Blutleche
 vielleicht gibt's später davon mehr.
 Matthias, das kleine Vampis
 PS/PLOT, FOR run-time error F6089 Integer
 overflow

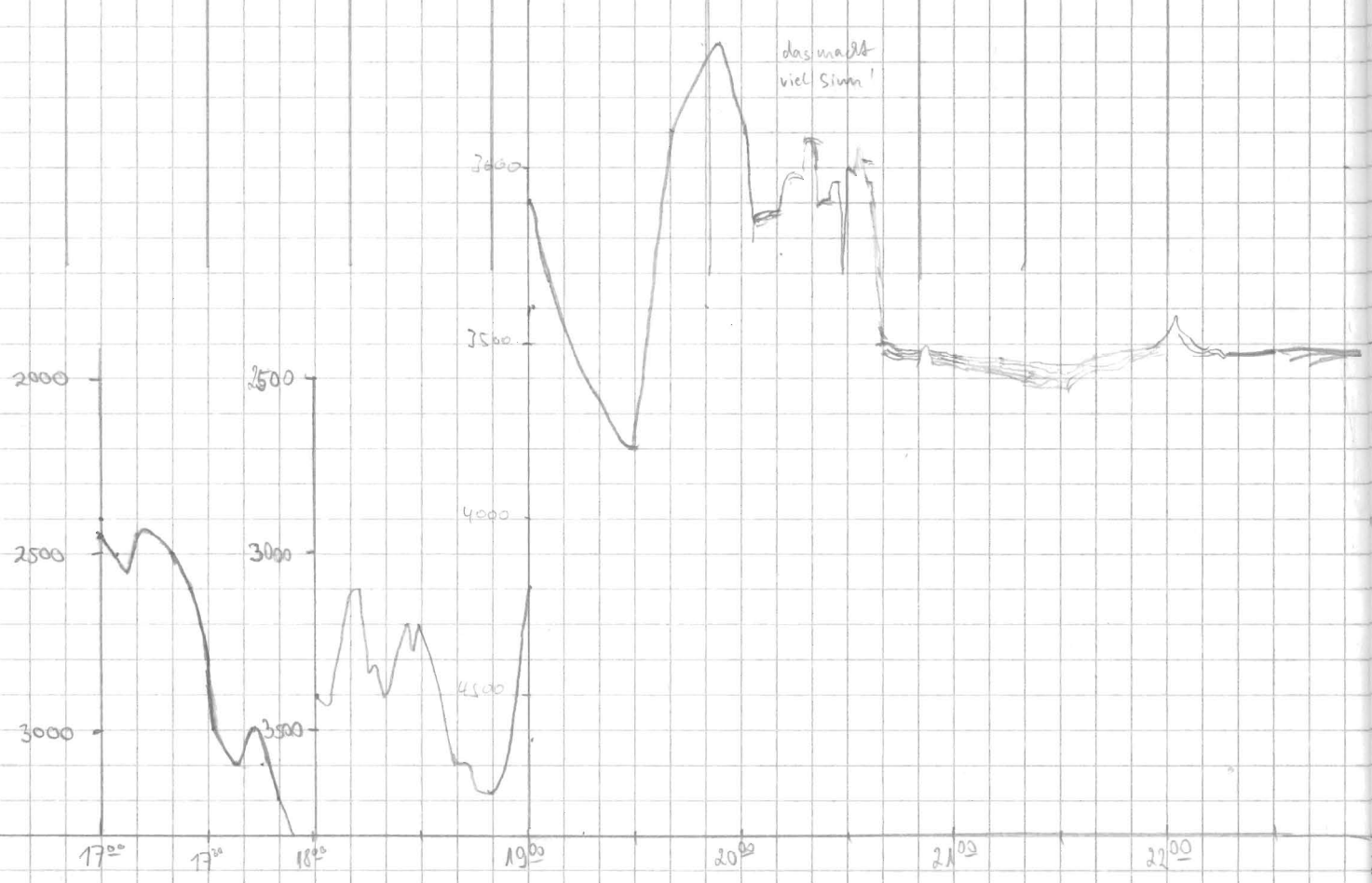
4 4 5000 200 4 S 40 266 10 0 3 1

→ Neustart PS

Tiefenanzeige PS falsch



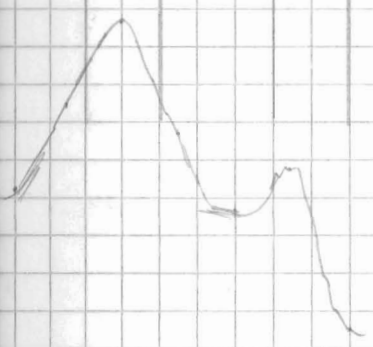
Datum	Zeit	Tiefe PS	Tiefe HS	Breite	Länge	Speed	Kurs	Wache	
24.4.91	17:15	2454	2587	3°24.658 S	12°31.742 W	13.5	308	Louny	
	17:30	2903	3066	3°22.558 S	12°34.312 W	13.3	308		
	17:45	3013	3248	3°20.451 S	12°36.922 W	13.1	308		
	18:00	3403	3577	3°18.45' S	12°39.51 W	13.3	308		N. L.
	18:15	?	3611	3°16.15' S	12°42.41 W	12.6	308		"
	18:30	3123 ?	3234	3°14.36' S	12°44.63 W	12.7	308		"
	18:45	3680	3685	3°12.35' S	12°47.16 W	12.9	309		"
	19:00	3140	3216	3°10.29' S	12°49.80 W	12.9	309		"
	19:15	3754	3946	3°08.285 S	52.123 W	12.9	310.1		140° Z.
	19:30	3804	3957	3°06.247 S	54.676 W	12.9	308.1		"
	19:45	2904	3019	04.157 S	57.303 W	13.0	308.0		"
	20:00	2904 *	2999	02.164 S	59.835 W	13.0	307.9		"
	20:15	2903.5 *	2990	3°00.167 S	13°02.407 W	13.0	307.9		Rainw
	20:30	2903.8 *	2996	2°58.215 S	13°04.866 W	13.2	307.7		"
	20:45	2903.7 *	3554	2°56.198 S	07.427 W	12.6	308.4		"
	21:00	3508.9	3596	2°54.167 S	09.571 W	12.8	308.7		"
	21:15	3503	3594	52.126 S	12.553 W	13.1	308		BOHRMANN
	21:30	3503	3591	50.119 S	15.21 W	12.8	307		"
	21:45	3503	3558	48.08 S	17.69 W	13.1	307		"
	22:01	3503	3508	45.97 S	20.38 W	12.8	307		"
	22:15	3504	3529	44.01' S	22.66' W	13.1	306		Hubbester
	22:30	3504	3572	42.02' S	25.18' W	13.0	308		"
	22:45	3504	3568	39.98' S	27.77' W	13.0	308		"
	23:00	3303	3383	37.925 S	30.378 W	13.2	308.7		Rohr
23:15	3204	3245	35.922	32.304 W	13.0	308.7	"		
23:30	2854	3016	37.934	35.439 W	12.8	307.9	"		
23:45	3800	3326	31.879	38.026 W	13.1	307.4	"		
25.4.91	00:00	3404	3509	29.776	40.606 W	13.2	308.6	"	
	00:15	3304	3428	27.708	43.144 W	13.3	309.7	"	
	00:30	3754	3877	25.574	45.794 W	13.6	308.7	"	



4 4

4 4 5000 200 4 5 40 266 10 0 3 7

4 4 5000 200 4 5 40 266 10 0 3 7



21''

0''

Datum:	Uhrzeit	Tiefe Pj	Tiefe Hs	Breite	Länge	Speed	Kurs	Wache
25.4.91	00:45	3754	3855	2° 23.460	13° 48.432	13.0	308.3	RWS
	01:00	3754	3850	21.223	51.255	13.0	308.5	"
	01:15	3204	3138	19.395	53.53.	13.1	307.5	"
	01:30	3209	3272	17.384	56.130	13.2	309.5	"
	01:45	3254	3388	15.357	58.668	13.1	308.3	"
	02:00	3554	3514	13.263	14° 01.330 W	13.2	308.0	"
	02:15	3880	3877	11.276	07.857	13.1	307.9	"
	02:30	3904	4004	09.175	06.413	13.0	308.3	"
	02:45	3754	3737	07.112	08.978	12.9	307.6	"
	03:00	3454	3499	05.172	11.503	12.8	308.0	"
	03:15	3454	3576	02.961	14.190	12.9	307.5	"
	03:30	3454	3521	00.849	16.891	12.9	307.7	"
	03:42							
	04:07	3554	3647	1° 58.185	14° 22.659	12.9	307.9	"
	4:15	3553	3715	1° 55.08 S	14° 21.24 W	12.9	308°	HUBERT
	4:30	3604	3748	53.11 S	26.60	12.6	309°	"
	4:45	3703	3713	51.20 S	29.00	12.4	308°	"
	5:00	3703	3941	48.92 S	31.86 W	12.6	307°	"
	5:15	3853	3963	47.20 S	33.99 W	12.6	308°	"
	5:30	3654	3792	45.34 S	36.42 W	12.7	309°	"
	5:45	3653	3779	43.30 S	38.92 W	12.6	307°	"
	6:00	3803	3826	41.31 S	41.44 W	12.4	307°	"
	06:15	3753	3798	39.4 S	43.8	12.5	304	F. Niedergasper
	06:30	4060	4051	37.4 S	46.3	12.5	309	"
	06:45	4100	4119	35.5 S	48.7	12.6	309	"
	07:00	4003	3994	33.5 S	51.1 W	12.6	309	Abelmann
	07:15	3253	3192	31.5 S	53.5 W	12.5	309	"
	07:30	3453	3554	29.6 S	53.9 W	12.5	302	"
	07:45	3453	3507	27.6 S	58.5 W	12.6	302	"
	8:00	4604	4965	25.76'	15° 0.95'	12.5	307	A. Mark
	8:15	4505	5497	23.85'	3.40'	12.4	307	"
	8:30	4500	5449	21.91'	5.93'	12.9	307	"
	8:45	4603	4562	19.97'	8.45'	12.7	307	"
	9:00							A. Mark
	9:15	4006	3856	15.611'S	13.853'W	12.6	308	MK
	9:35	4006	3811	13.215'S	16.832'W	12.9	308.6	MK
	9:45	4036	3449	11.871'S	18.574'W	12.5	307.9	MK
	10:20			1° 06.724'S	15° 24.781'W			



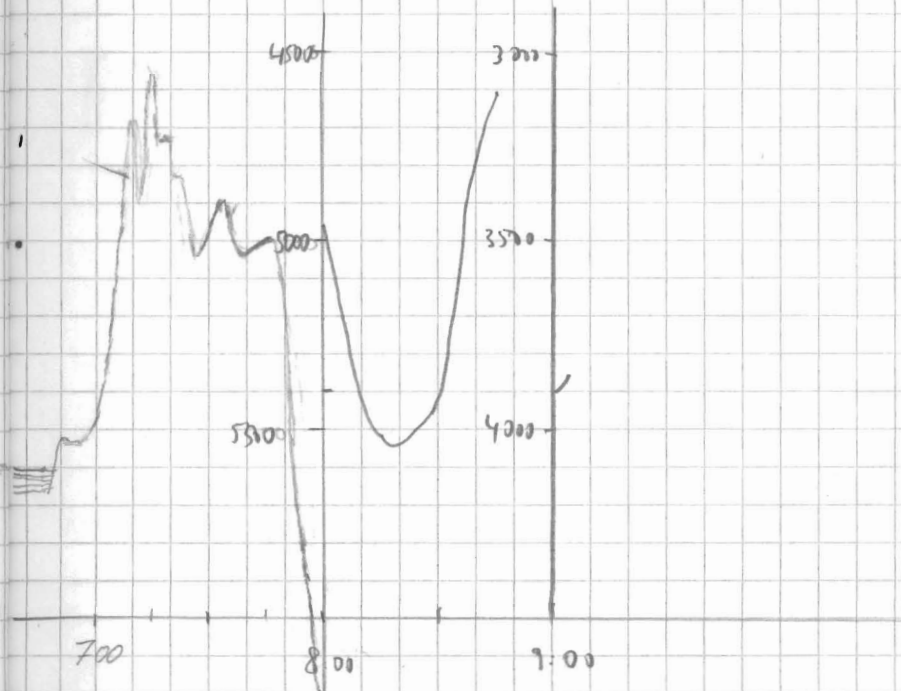
Freq	Pulse Range	Scale	Mode	Sig	Freq	Time	WT	R	H	H	Bemerkungen
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4	4	5000	200	4	S	40	266	101	0	3	1	
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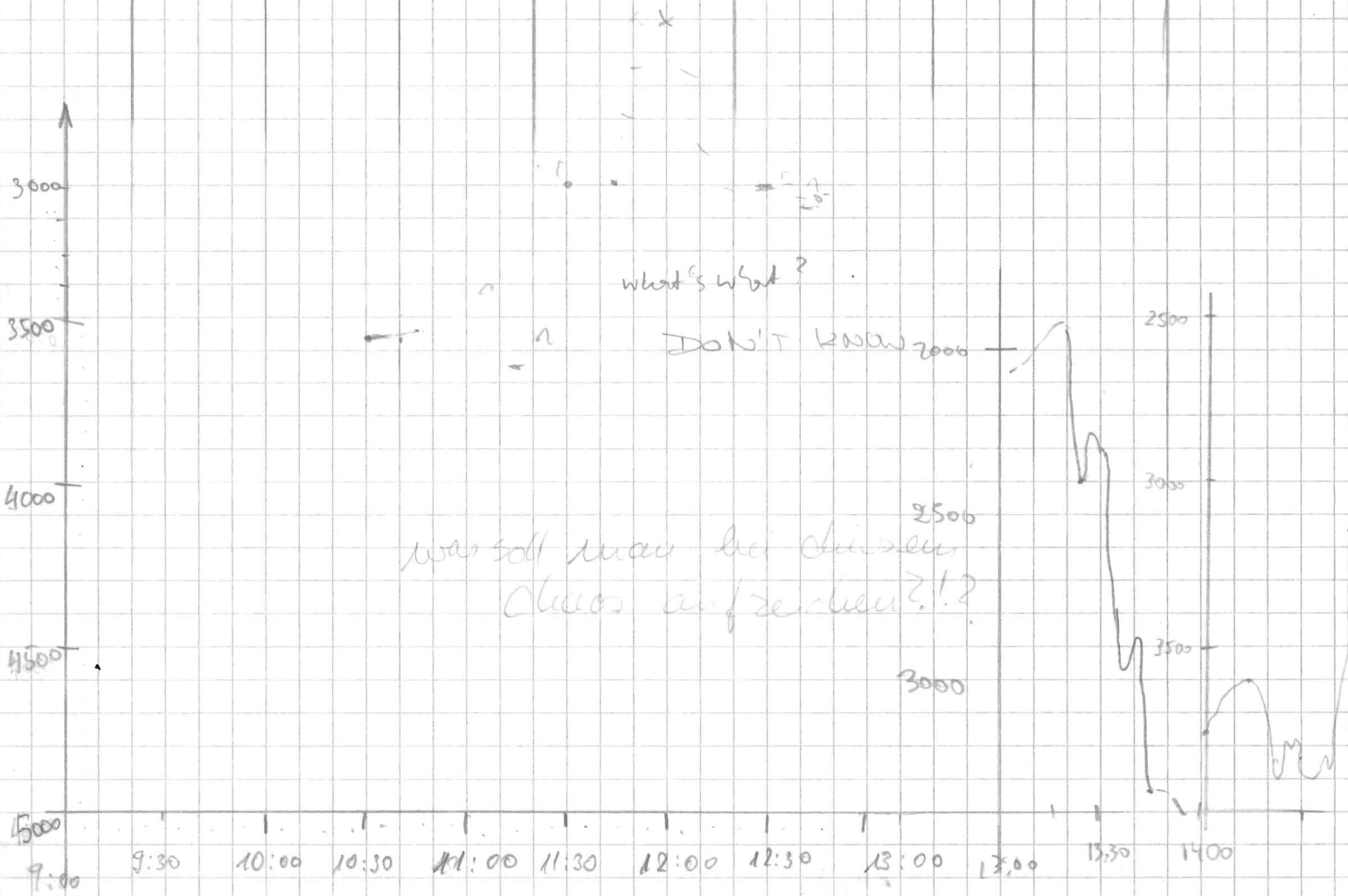
Backup Nr. 29

also hier 9:05 Neustart

erottlich geschaff diese
 Schein - Rolle zu wechseln.
 (Da haben sie wieder
 gepent an der Technik, diese
 Parafertigen!!!)

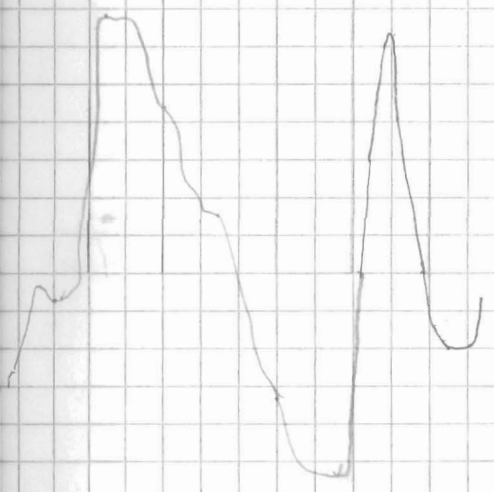


Datum	Uhrzeit	Tiefe PS	Tiefe HS	Breite	Länge	Speed	Kurs	Warte
25.4.91	10:30	4884	3587	1° 05' 257 S	15° 25' 764 W	12.7	307.4	M
	10:45	3473	3544	0° 40' 46 S	28' 231 W	12.7	306.9	M
	11:00	3213	3208	0° 20' 08 S	36' 842 W	12.5	306.8	M
	11:15	3103	3230	1° 00' 268 S	15° 30' 205 W	12.4	308	12
	11:30	2953	2991*	0° 58' 352 S	15° 35' 604 W	12.2	309	12
	11:45	3004	2766	0° 56' 044 S	15° 38' 407 W	12.3	309	
	12:00	2553*	2560	0° 54' 407 S	15° 40' 393 W	12.5	309	
	12:15	2744*	2927	0° 52' 453 S	15° 42' 848 W	12.5	308	
	12:30	3004	3138	0° 50' 437 S	15° 45' 288 W	12.4	309	
	12:45	3104	3194	0° 48' 464 S	15° 47' 666 W	12.5	310	
	13:00	2853	2110	0° 46' 512 S	15° 50' 136 W	12.5	306	M. Faden
	13:15	2001	2136	44' 572	5' 568	12.9	307	Mathias
	13:30	2153	2332	42' 579	55' 072	13.0	309.6	Mathias
	13:45	3354	3380	40' 589	57' 624	12.9	308	Mathias
	14:00	3604	3754	38' 638	16° 00' 120	12.7	309	Mathias
	14:15	3704	3608	36' 535	02' 667	12.8	309.0	Radlma
	14:30	3704	3810	34' 560	05' 111	12.5	308.1	"
	14:45	3004	3138	32' 534	07' 626	12.7	309.7	"
	15:00	2703	2885	30' 637	10' 150	12.8	307.3	"
	15:15	2104	2110	28' 275	13' 122	12.7	308.7	"
	15:30	2204	2364	26' 619	15' 164	12.6	308.7	"
	15:45	2504	2644	24' 658	17' 551	12.7	308.8	"
	16:00	2954	3114	22' 724	20' 010	13.3	309.6	"
	16:15	3314	3306	20' 452	22' 739	12.9	309.5	J. Schreimüller
	16:30	2153*	2516	18' 435	25' 267	12.9	308.0	"
	16:45	3004	3041	16' 459	27' 817	12.7	308.0	"
	17:00	2903	2979	14' 517 S	16° 30' 277 W	12.5	307.9	



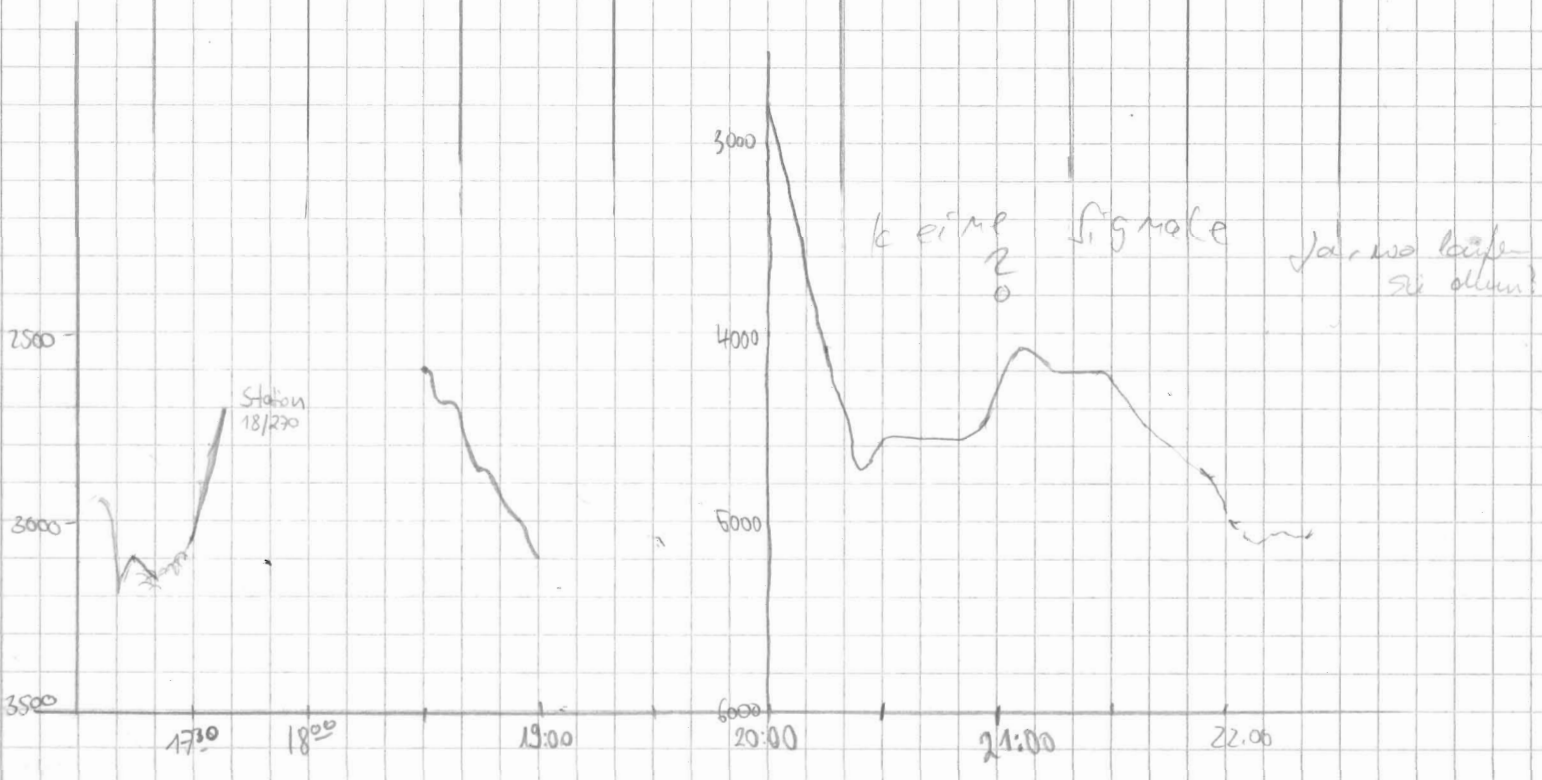
Freq. Pulse Range Scale Mode Sig $\frac{F}{S}$ Time $\frac{M}{S}$ | Wt | R | H | H | Berechnungen

4 4 5000 200 4 S 40:36 10 0 3 1



15:00 16:00 16:30 17:00

Datum	Uhrzeit	Tiefe PS	Tiefe HS	Breite	Länge	Speed	Kurs	Wache
25.4.91	17:15	3103	3206	0° 12,650 S	16° 32,648 W	11,7	304	Pouy
	17:30	3054	3122	11,067 S	16° 34,814 W	11,3	310	
	17:45	2703	2667	10,071 S	35,829 W			
	18:36	2550	2533	0° 09,29 S	16° 35,61 W	8,6	355	N. L.
	18:45	2700	2725	07,75 S	35,68 W	11,5	350	"
	19:00	3100	3151	04,70 S	35,85 W	13,2	356	"
	19:30	3503	3321	02,03 N	36,36 W	13,0	358	Bolman
	19:45	3553	3619	05,26 N	35,98 W	12,8	359	"
	20:00	2803	2912	08,39 N	36,215 W	12,7	358,8	Reiner
	20:15	4103	4380	11,730 N	36,133 W	12,8	8,3	"
	20:30	4703	4632	14,676 N	36,006 W	13,0	7,4	
	20:45	4403	4417	14,350 N	16° 36,68 W	12,5	260,0	
	21:00	4204*	4264	13,618 N	41,718 W	12,9	252,9	Ul. Z.
	21:15	4154	4348	12,774 N	44,738 W	12,5	252,6	"
	21:30	4204	4408	11,897 N	47,768 W	12,8	255,1	"
	21:45	4604	4824	11,061 N	50,814 W	12,8	254,8	"
	22:00	4954	5253	10,214 N	53,890 W	12,6	255,5	"
	22:15	4904	5067	8,81 N	56,36 W	11,4	188	Hühner
	22:30	5003	5273	5,69 N	56,50 W	12,4	183	"



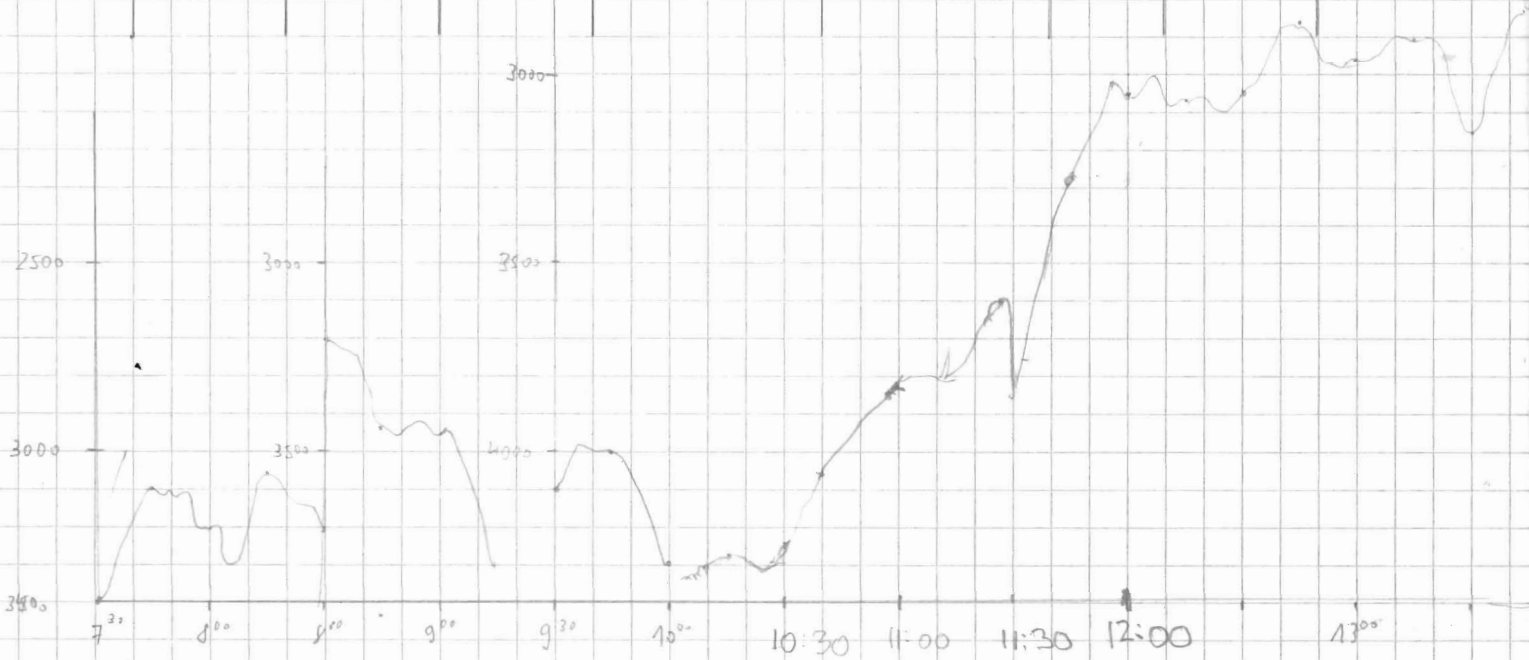
Frg Pulse Range Scale Mode Sig Frg Time WT R H M Bemerkungen 129

4 4 5000 200 4 5 40 266 10 0 3 1

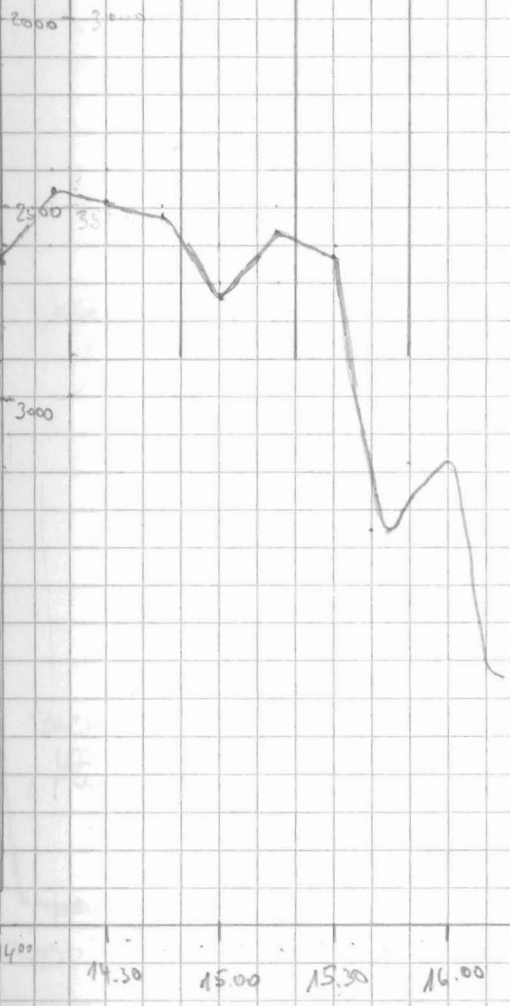
Speicherung off
Station 18/270
Ende Station 18/270 18:30
Beginn Profilpalette
Romantik-Fradwe
zone

Personen abgeholt
Backer Nr. 38

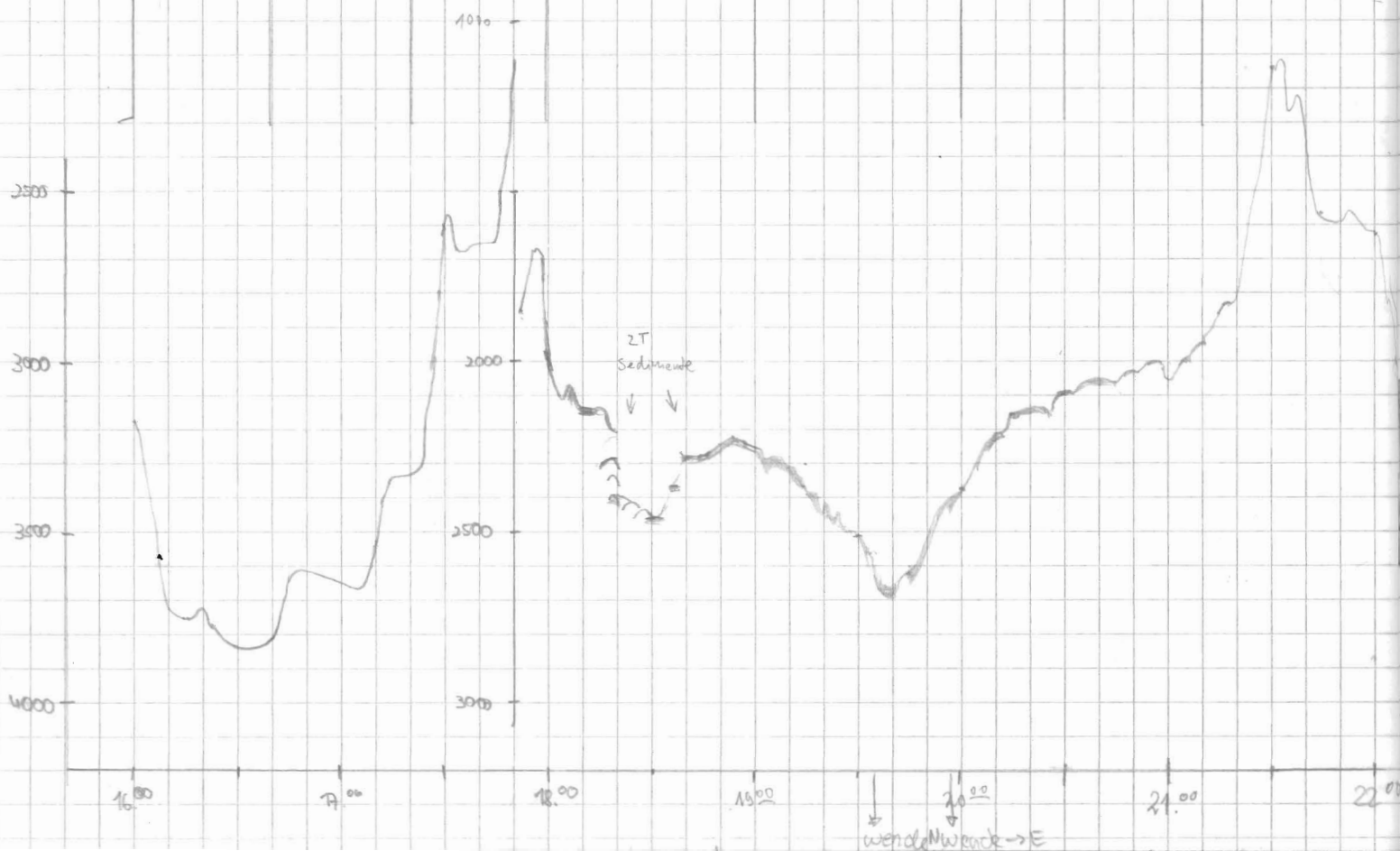
Datum:	Uhrzeit	Tiefe PS	Tiefe HS	Breite	Länge	Speed	Winn	Wache
06.05.91	7:30	3398	/	34° 50,74' N	13° 24,63' W	5,3	112,7	Reiner
	7:45	/	3098	51,18' N	22,84	12,2	96,11	"
	8:00	3256	3303	51,01' N	18,34' W	12,6	92,6	"
	8:15	3037	3065	34° 51,428' N	13° 14,555' W	12,4	93,7	"
	8:30	3188	3213	53,686	09,643	12,0	97,8	"
	8:45	3438	3456	51,059	08,420	11,9	93,7	"
	9:00	3468	3500	51,002	04,880	11,8	90,4	"
	9:15	3800	3832	51,019	01,355	11,7	91,5	"
	9:30	4106	4143	51,11	12° 55,70	12,8	99,6	"
	9:45	3533	4034	50,94	52,34	12,1	87,6	"
	10:00	4293	4305	51,00	48,53	12,3	91,3	"
	10:15	4283	4316	34° 50,939' N	12° 44,617' W	12,3	87,2	WÜRGER
	10:30	4249	4297	52,175'	43,180	9,9	351,6	
	10:45	4013	4045	54,563'	43,400	10,6	330	
	11:00	3830	3862	55,093'	46,783	12,8	261	
	11:15	3815	3852	54,550'	50,541'	12,7	259	
	11:30	3796	3834	54,055'	54,310'	12,5	266	
	11:45	3282	3303	53,924'	58,051'	12,5	268	
	12:00	3057	3172	34° 53,789' N	13° 01,836' W	12,5	268	
	12:15	3075	3102	53,716	05,638	12,7	269	Reiner
	12:30	3031	3056	53,718	09,489	12,7	268,9	"
	12:45	2869	2862	53,686	13,294	12,5	272,1	"
	13:00	2965	2989	53,709	17,870	12,3	272,5	"
	13:15	2909	2925	53,715	20,822	12,7	272,1	"
	13:30	3158	3181	53,723	24,690	12,4	263,7	"
	13:45	2819	2848	56,010	25,021	9,9	4,2	"
	14:00	2631	2659	56,242	21,612	12,4	89,2	"
	14:15	2458	2481	56,223	17,638	12,4	90,3	MK
	14:30	2494	2522	56,181	13,958	12,4	90,3	MK
	14:45	2511	2540	56,195	16,184	12,0	91,2	MK
	15:00	2717	2755	56,193	06,525	12,3	90,1	MK
	15:15	2571	2597	56,215	02,490	12,3	89,1	MK
	15:30	2622	2647	56,199	12° 58,845	12,3	90,6	MK
	15:45	3318	3370	56,196	55,246	12,2	91,5	MK
	16:00	3198	3320	56,200	51,482	12,5	89,0	MK
	16:15	3767	3800	56,235	47,867	12,0	89,9	Jörn S.



Freq	Pulse	Range	Scale	Mode	Sig	Freq	Time	WT	R	H	A	Bemerkung
4	4	5000	200	4	S	40	266	10	0	3	1	Beginn Vermessung Ampere Seamount



Datum	Zeit	Tiefe PS	Tiefe HS	Breite	Länge	Speed	Kurs	Wache
6.5.91	16:30	3836	3872	34°56,204N	10°44,081W	12.1	89,5	Schreitmüller
	16:45	3604	3619	57,719	43,046	9.9	4,6	"
	17:00	3618	3643	58,455	45,546	12.1	270,3	"
	17:15	3354	3438	58,496N	49,307	10.1	269,3	"
	17:30	2603	2643	58,495	51,991	12.3	270,6	"
	17:45	2682	2513	58,499	56,781	12.2	270,0	"
	18:00	1837	1889	58°50 N	13°00,262 W	12,0	270,1	Reiner
	18:15	2170	2192	58,486N	04,136 W	12,2	270,3	"
	18:30	2425	2489	58,456N	07,992 W	12,4	269,0	"
	18:45	2241	2267	58,512 N	11,746 W	12,3	271,1	"
	19:00	2211	2236	58,494 N	15,532 W	12,4	269,2	"
	19:15	2324,7	2336	58,510 N	19,365 W	12,3	269,6	Lo-Schmidt
	19:30	2515,7	2530	58,506	23,109	12,0	270,8	
	19:45	2616,4	2661	59,708	24,999	10,4	9,9	
	20:00	2384,6	2422	35°00,503	22,373	12,6	87,3	
	20:15	2164	2182	00,53 N	18,55 W	12,7	89,4	K. Schacht
	20:30	2092	2108	00,51 N	14,79 W	12,3	89,7	"
	20:45	2088	2113	00,47 N	10,97 W	12,5	90,5	"
	21:00	1883*	2150	00,51 N	07,26 W	12,3	89,2	"
	21:15	1861	1841	00,50 N	03,44 W	12,2	90,8	"
	21:30	1122	1147	00,500	12°59,722 W	12,4	88,3	Reiner
	21:45		1577	00,521	56,014	12,7	90,0	"
	22:00	1739 (22:00)	1701	00,482	52,344	12,4	92,3	Krüger
	22:17	2604	2705	35°00,439N	12°48,039W	12,1	89,3	"
	23:01	3062	3097	35°02,593N	12°45,432W	12,7	266	-W
	23:17	1803	1980	35°02,440N	12°49,009W	12,6	268	-H-
	23:30		153	35°02,461N	12°52,576W	12,5	270	
	23:45	646	649	35°02,460N	12°56,421W	12,2	270	



Freq	Atise	Range	Scale	Mode	Sig	Frg	T	Wt	R	H	M
4	4	5000	200	4	S	40	266	10	0	3	1
4	4	5000	200	4	S	40	266	10	0	3	1
4	4	5000	200	4	S	40	266	10	0	3	1

1000 200 1
 5000 200 4
 1
 1

4	4	5000	200	4	S	40	266	10	0	3	1
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BACKUP NR 031
 (2...)

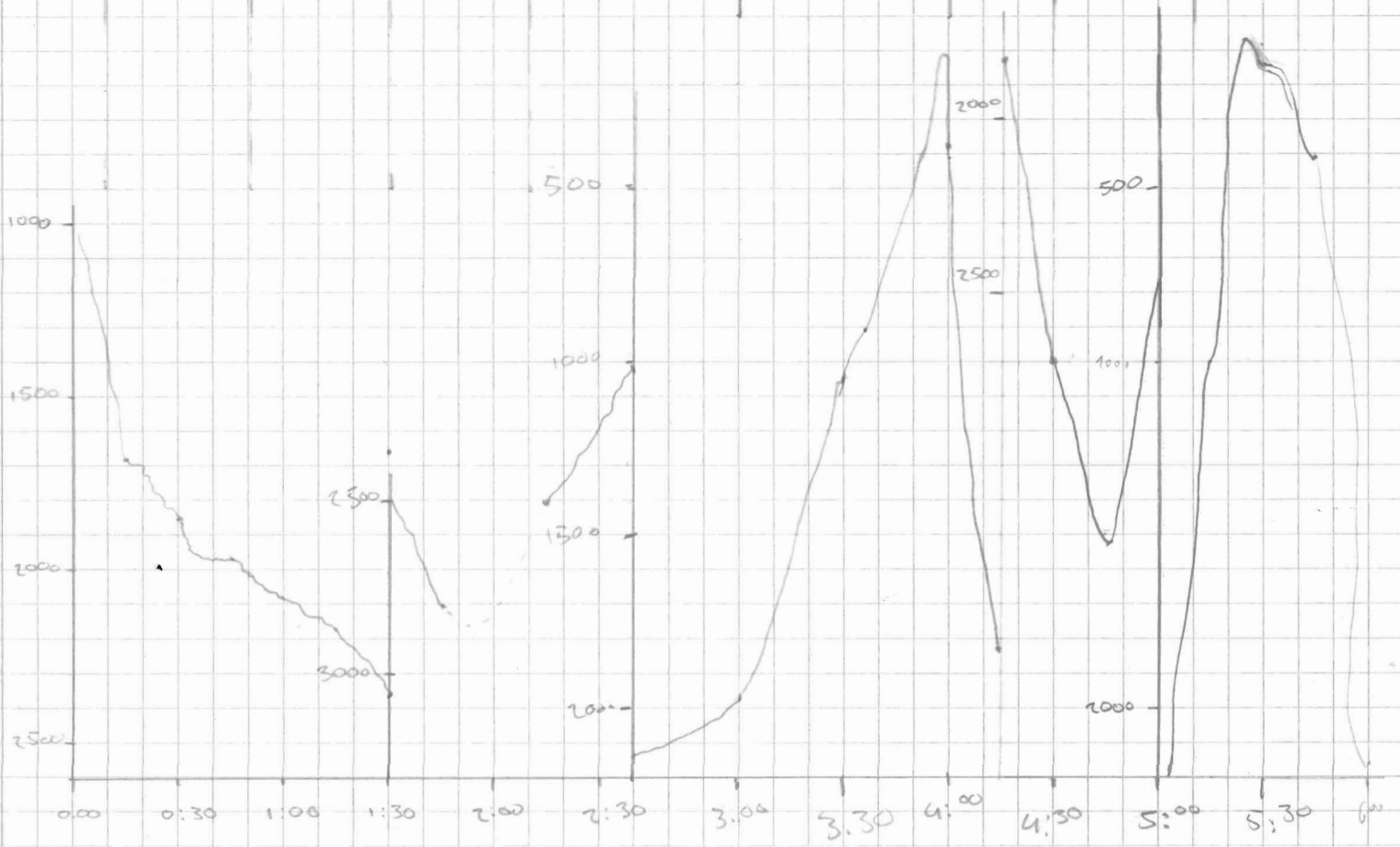
100/0
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BACK
 UP

22:30 23:00 23:30

DATUM	ZEIT	TIEFEN	TIEFEN	BREITE	LÄNGE	SPEED	KURS	WACHE
7.5.91	00:00	1634	1637	35° 02.490 N	13° 00.008 W	12.1	271	KRÜGER
	00:15	1632	1691	35° 02.499 N	13° 03.960 W	12.4	269	VONHOF
	00:30	1871	1885	02.514 N	07.298 W	12.3	270	"
	00:45	1971	1986	02.493 N	11.248 W	12.2	268	"
	1:00	2077	2092	02.515 N	14.963 W	12.2	269	"
	1:15	2188	2212	02.500 N	18.741 W	12.2	268	"
	1:30	2360	2376	02.501 N	22.375 W	12.2	270	"
	1:45	2809	2873	03.305 N	24.999 W	9.7	003	"
	2:00							
	2:15	2504	2492	04.508 N	19.249 W	12.6	91.1	"
	2:35	2173	2181	04.501 N	14.197 W	12.6	90°	"
	2:45	2007	2021	04.495 N	11.618 W	12.3	91°	"
	3:00	1973	1990	04.476 N	07.397 W	12.8	91°	"
	3:15	1703	1722	04.503 N	03.388 W	12.7	90°	"
	3:30	±1000	1048	04.496 N	00.037 W	12.4	90°	"
	3:45	541	546	04.490 N	12.56.306 W	11.9	90°	"
	4:00	-	385	04.537 N	52.578 W	12.3	91°	"
	4:15	-	1877	04.516 N	48.845 W	12.3	89°	"
	4:30	-	2688	04.516 N	45.163 W	12.2	89°	"
	4:45	-	3230	03.532 N	43.284 W	9.8	266°	"
	5:00	-	2491	03.482 N	47.251 W	12.0	271	"
	5:15	±1000	1024	03.482 N	50.733 W	12.1	270	"
	5:30	-	145	03.517 N	54.271 W	12.1	271	"
	5:45	424	398	03.490 N	57.948 W	12.4	270	"
	06:00	1182	1205	03.497	13° 01.726	12.2	270.0	R.M.
	06:15	1242	1767	03.167	04.998	11.2	178.4	"
	6:30	1637	1642	01.577	03.232	12.2	83.2	"
	6:45	738	751	01.523	12° 53.302	12.7	90.2	"
	7:00	896	906	01.465	55.564	12.8	91.7	"
	7:15	922	981	01.519	51.684	12.8	88.6	"
	7:30	805	759	02.032	51.218	10.7	268.5	"



IDQ PULSE RANGE SCALE MODE SIG ~~IDQ~~ TIME WT R H M

BEWERTUNG

4 4 5000 200 4 S 40 266 10 0 3 1

ROLLE GEWECHSELT

aufgehängt neustart

PARASOUND AB ± 4:00 AUFGEHÄNGT GEWESEN
5:25 marker, RANGE → 500 m.

1000



Datum	Uhrzeit	Tiefe Ps	Tiefe Hs	Breite	Länge	Speed	Kurs	Wache
7.5.91	7:45	805	822	35° 01.683 N	12° 55.096 W	12.4	273.4	Pulper
	8:00	577	578	01.895	58.720	12.4	274.9	"
	8:15	974	988	02.913	13° 01.020 W	10.6	26.9	"
	8:30	528	529	02.977	12° 57.301	12.7	88.8	"
	8:45		132	03.015	53.622	12.0	20.3	"
	9:00	1519	1574	03.015	49.683	11.5	90.8	"
	9:15	2561	2599	03.355	46.935	9.8	24	"
	9:30		1637	03.945	49.521	12.0	270.2	"
	9:45		135	03.998	53.168	11.8	270.2	"
	10:00	978.4	491	35° 03.997 N	12° 56.620 W	11.4	270.2	Lo-Schmidt
	10:15	781.7	799	04.000	13° 00.213	12.0	271.1	"
	10:30	1147.4	1164	04.987	12° 57.904	11.3	88.3	"
	10:45	639.4	631	05.936	56.149	12.7	90.7	"
	11:00	749.6	682	04.943	52.567	10.9	92.0	"
	11:15	1838.5	1864	05.076	48.944	12.5	90.1	"
	11:30	2122.5	2152	05.550	47.839	11.2	257.6	"
	11:45	1275.4	1288	05.456	51.780	12.7	269.7	"
	12:00	564.1	537	05.486	55.529	12.8	269.7	"
	12:15	1220	1241	05.502	59.499	12.4	271.7	Redlich
	12:30	1767	1782	05.479	13° 03.224	12.5	268.4	"
	12:45	2012	2026	05.571	06.967	11.8	357	"
	13:00	2206	2222	07.522	06.035	11.5	99.9	"
	13:30	2015	2021	07.512	12° 58.126	12.8	91.0	"
	13:45	1535	1550	07.479	53.944	12.0	83.2	"
	14:00							
	14:20	/	2898	07.481	45.154	12.8	93.4	"
	14:45	2653	2748	06.47	45.95 W	12.8	270	Hering
	15:00	1834	1858	06.49 N	49.84 W	12.7	270	"
	15:15	973	1005	06.48	53.701	12.2	272	MK
	15:30	967	1098	06.493	57.484	12.5	270	MK
	15:45	1702	1745	06.520	13° 01.525	12.5	271.8	MK
	16:00	2090	2124	6.497	05.095	12.4	271.5	MK
	16:15	2201	2218	06.494	08.832	11.5	271	Schneidmüller



Freq	Pulse	Range	Scale	Mode	Sig	Freq	Time	WT	R	H	M
4	4	1000	200	4	5	40	266	10	0	3	1

⇒ Festgelegte Kursänderung

5 tone off
on

4	4	1000	200	4	5	40	266	10	0	3	1
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5000

1000

1000

5000

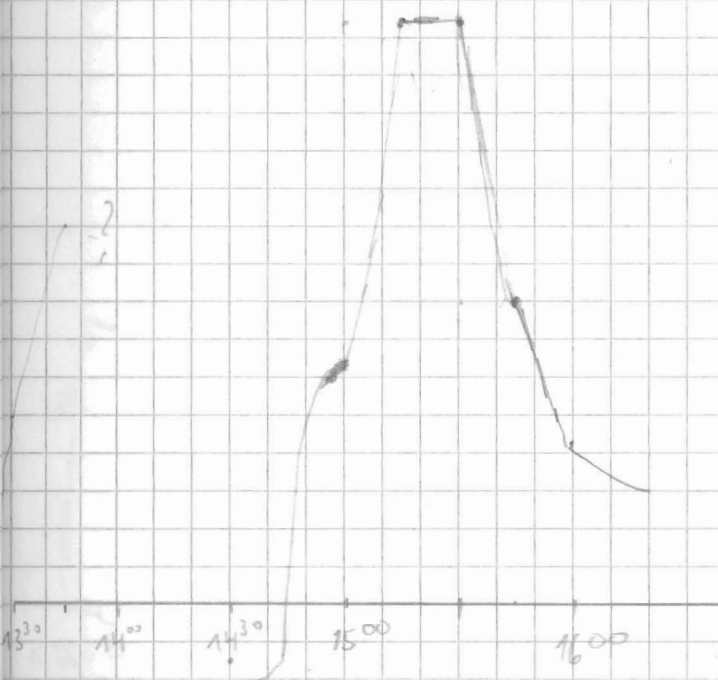
1000

5000

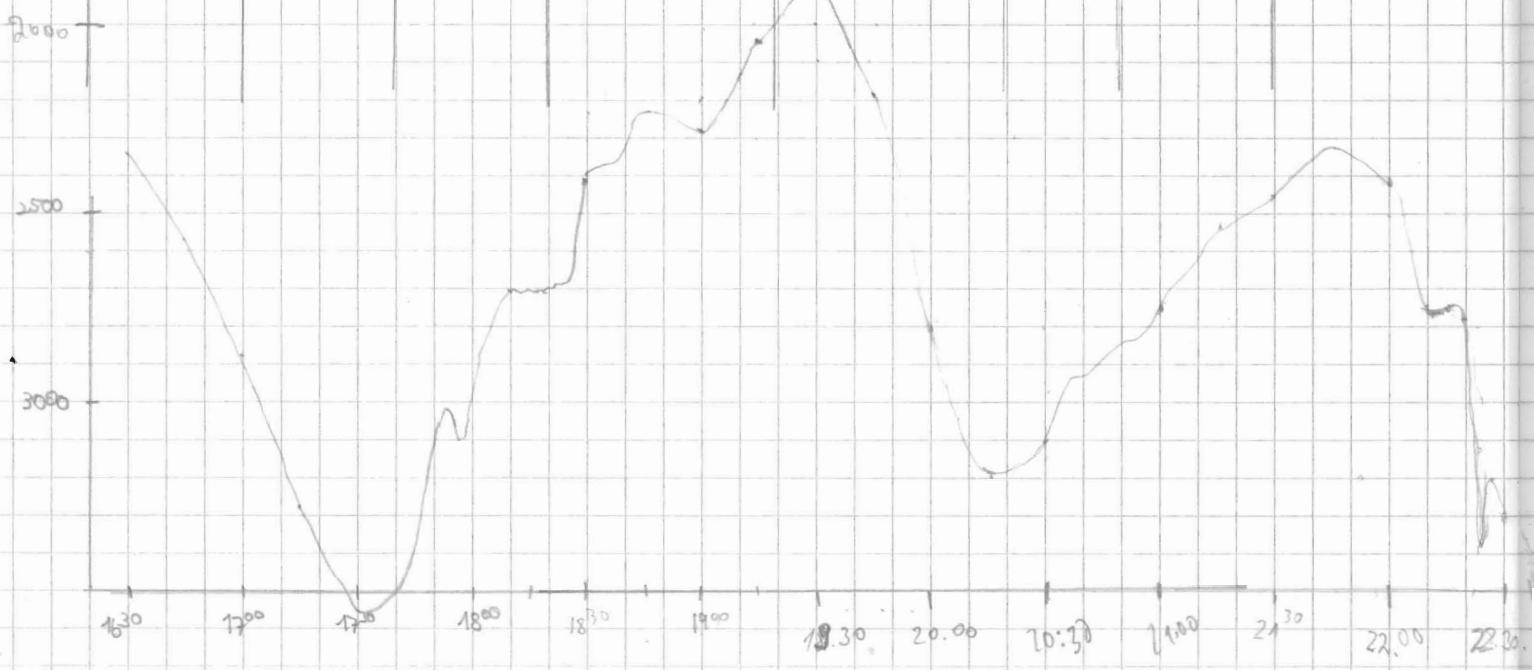
10:35 → 1000 - range

11:03 → 5000

Backup Nr. 22



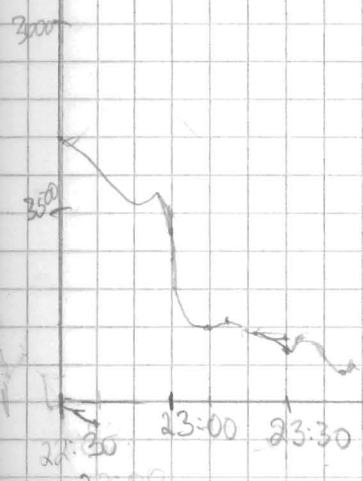
Datum	Uhrzeit	Tiefe PS	Tiefe HS	Breite	Länge	Speed	Kurs	Wabe
	16:30	2340	2347	35° 06. 472 N	13° 12. 691 W	12.6	268.6	Rehler
	16:45	2577	2604	06. 506	16. 404	12.6	272	Schneimilker
	16:57	2873	2924	06. 557	19. 422	12.8	272	"
	17:15	3092	3352	06. 509	24. 164	10.6	268	"
	17:32	3545	3568	08. 523	24. 143	11.3	88	"
	17:47	3203	3415	08. 514	20. 478	10.5	91	"
	18:00	3068	3086	08. 535	17. 334	12.1	91.9	
	18:15	2782	2805	08° 516	13° 101	12.8	91.6	
	18:30	2410	2440	08. 498	09° 190	12.9	89.8	
	18:45	2231	2253	08. 509	05. 269	12.9	90.1	
	19:00	2282	2296	08. 508	00. 695	13.0	90.2	MX
	19:15	2038	2069	08. 507	12° 57. 178	13.2	90.3	MX
	19:30	1879	1939	08. 488	53. 128	13.1	90.0	MX
	19:45	2195	2207	08. 481	49. 145	13.1	88.2	MX
	20:00	2877	2856	8. 517	45. 135	12.0	89	G.B.
	20:15	3201	3219	8. 627	42. 970	11.3	347	G.B.
	20:30	3154	3180	10. 483	45. 474 W	12.4	271	"
	20:45	2761	2785	10. 483	43. 11	12.2	269.1	G.B.
	21:00	2750	2678	10. 436	52. 53	12.0	269.7	"
	21:15	2523	2524	10. 50	56. 46	12.2	271.3	Harding
	21:30	2447	2467	10. 47	12. 00. 26	12.4	271.0	Michael
	21:45	2325	2345	10. 53	13° 03. 99 N	12.4	271.4	Marina
	22:00	2424	2437	35° 10. 499' N	13° 07. 60' W	12.4	270.	KRUGER
	22:15	2789	2792	35° 10. 479' N	13° 01. 495 W	12.5	268	
	22:30	3304	3362	10. 503	15. 178	12.3	271	
	22:45	3457	3477	10. 489	18. 970	12.5	269	
	23:00	3570	3603	10. 506	22. 813	12.7	271	
	23:15	3783	3816	11. 592	25. 003	11.4	6.4	
	23:30	3860	3887	13. 091	23. 174	12.4	92.2	
	23:45	3929	3967	13. 046	19. 53	13.2	89.9	
8.591	00:00	3797	3803	35° 13. 000' N	13° 15. 123' W	12.9	91.2	
	00:22	3103	3203	13. 019 N	09. 246 W	13.0	89°	HUBERT
	00:30	2827	2866	13. 021 N	07. 295 W	10.9	89°	"
	00:45	2575	2612	13. 009 N	04. 545 W	9.4	90°	"
	1:00							"
	1:16	2786	2791	12. 995 N	12° 58. 593 W	11.5	89	"
	1:30	2621	2613	13. 011 N	55. 010 W	13.4	90	"



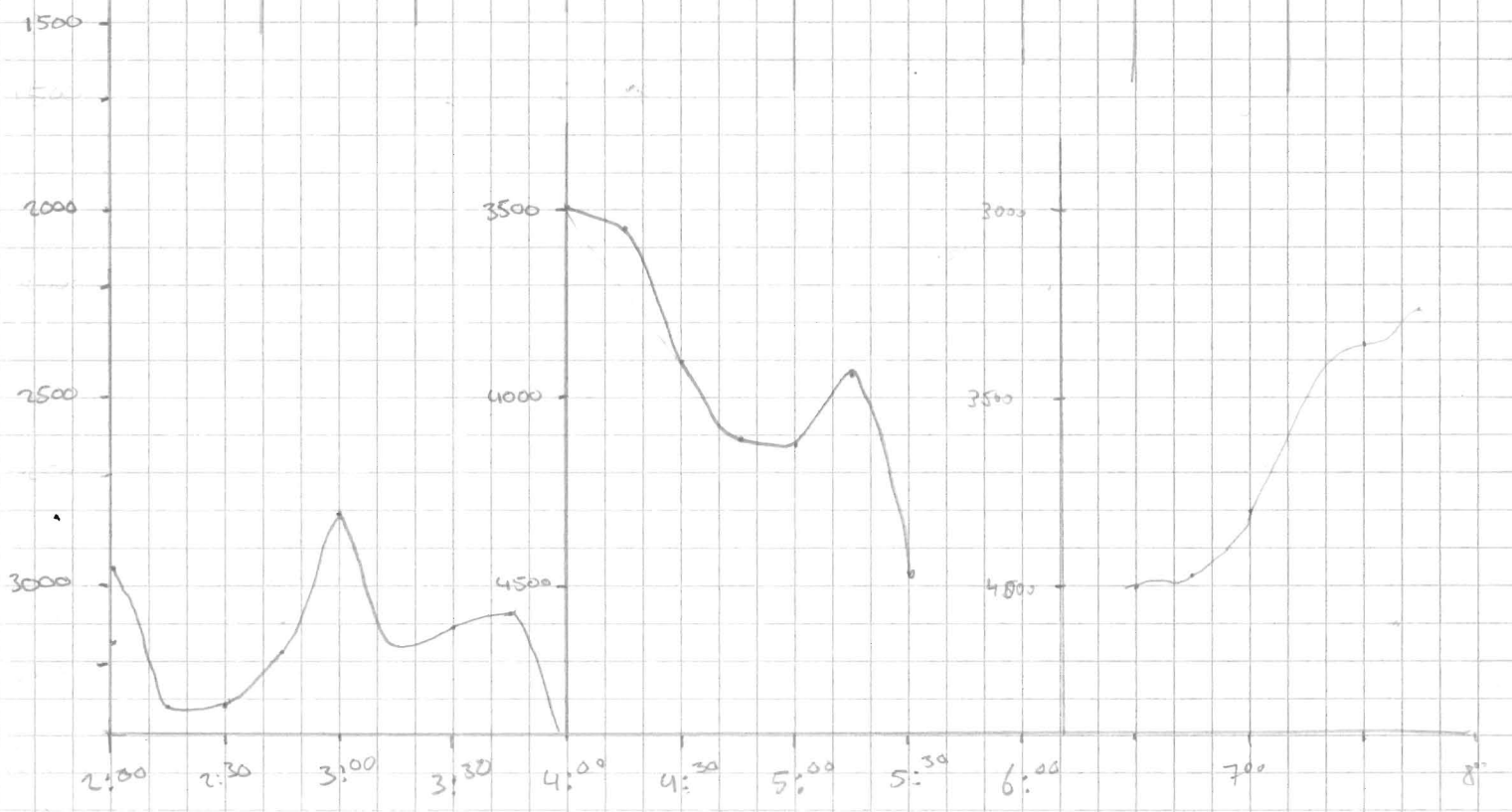
Frq Pulse Range Scale Mode Sig Frq Time Wt R H M Berechnungen

4 4 5000 200 4 5 40 266 10 0 ? 1

CIAO, LETZTE PARA-
 SOUNDWACHE FOR
 EVER!
 Tawad
 PARADIGMA ABGESTÜRZT



DATUM	ZEIT	TIEFE PS	TIEFE HS	BREITE	LANGE	SPEED	KURS	WACHE
8.5.91	1:45	2741	2756	35° 12,993 N	12° 51,002 W	13.1	88°	HUBERT
	2:00	2947	2975	13,011 N	47,063 W	13.1	90°	"
	2:15	3328	3391	13,018 N	43,080 W	12.8	53°	"
	2:35	3318	3354	15,440 N	44,451 W	12.2	271°	"
	2:45	3181	3221	15,462 N	46,853 W	12.5	271°	"
	3:00	2810	2848	15,490	51,029 W	12.8	271°	"
	3:15	3015	3239	15,512 N	55,250 N	12.1	271	"
	3:30	3106	3154	15,514 N	58,407 W	12.2	267	"
	3:45	3070	3103	15,481 N	13° 02,099 W	12.1	271	"
	4:00	3499	3518	15,500 N	05,733 W	12.1	269	"
	4:17	3567	3608	15,445 N	10,026 W	12.0	269	"
	4:30	3909	3936	15,413 N	13,157 W	12.1	271	"
	4:45	4111	4187	15,457 N	16,838 W	12.2	277	"
	5:03	4137	4190	15,447 N	21,466 W	12.3	270	"
	5:15	3942	3981	15,475 N	24,654 W	12.4	268	"
	5:30	4472	4632	17,762 N	24,987 W	11.7	0	"
	6:00							
	6:30	4007	4061	18,179	08,530	13.0	89.4	Reiner
	6:45	3980	4017	18,206	05,878	13.2	88.9	"
	07:00	3804	3556	18,235	00,928	13.2	91.5	"
	7:15	3234	3260	18,212	12° 57,720	13.3	91.9	"
	7:30	3338	3352	18,195	53,704	13.1	89.4	"
	7:45	3296	3277	18,216	49,724	12.8	89.3	"
	8:00	2930	2997	18,194	45,868	12.3	91.9	"



FREQ	PULSE	RANGE	SCALE	MODE	SIG	FRQ	TIME	WT	R	H	M
4	4	5000	200	4	S	40	266	10	0	3	1

Backup Nr. 23

Ende der Vermessung