

ARK-XIV/15

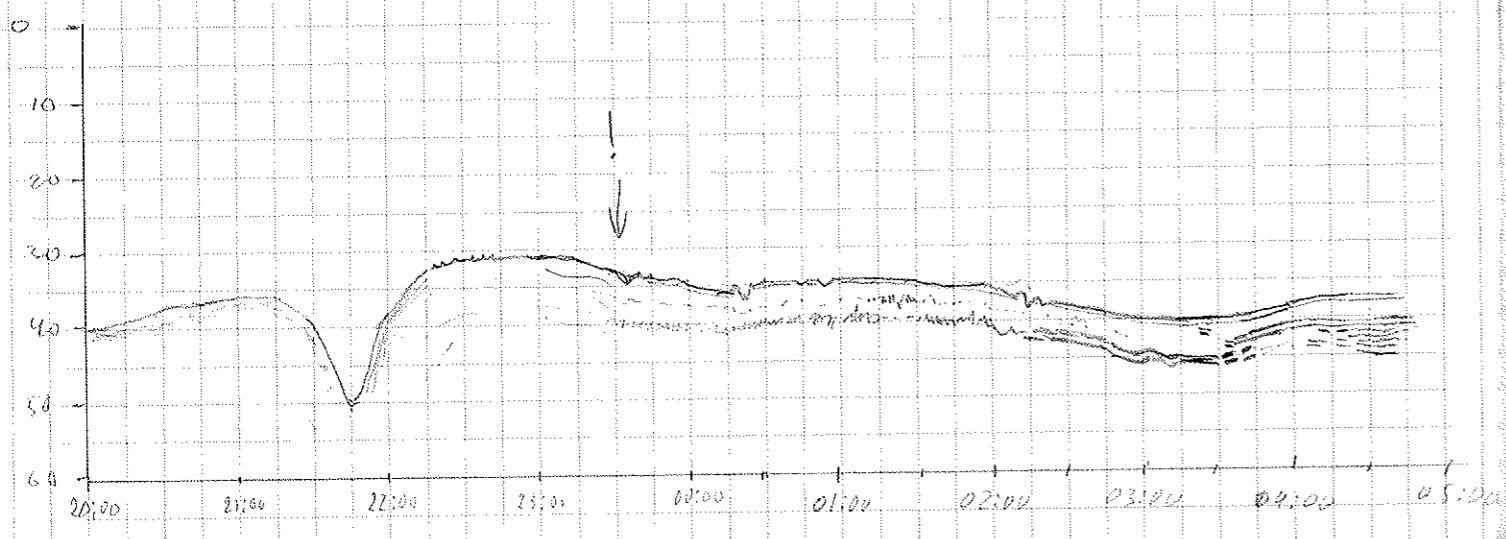


600 P 96
kariert
25 Blatt

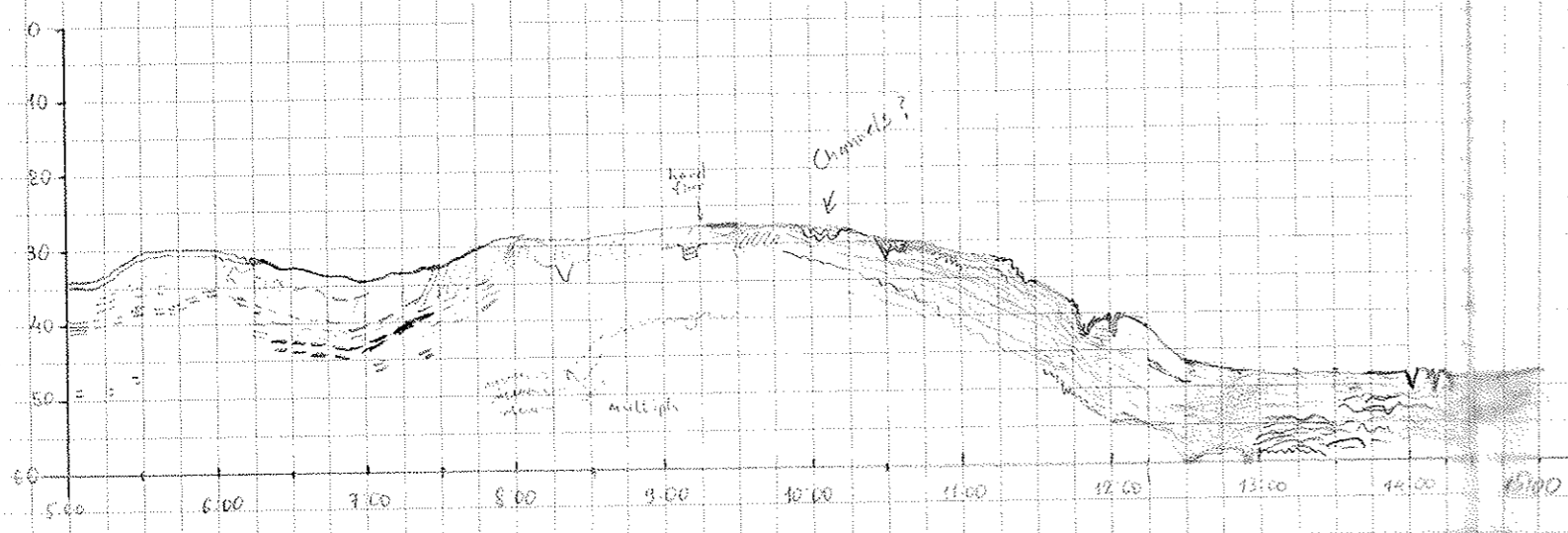


J.C. KÖNIG & EBHARDT · HANNOVER · WIEN

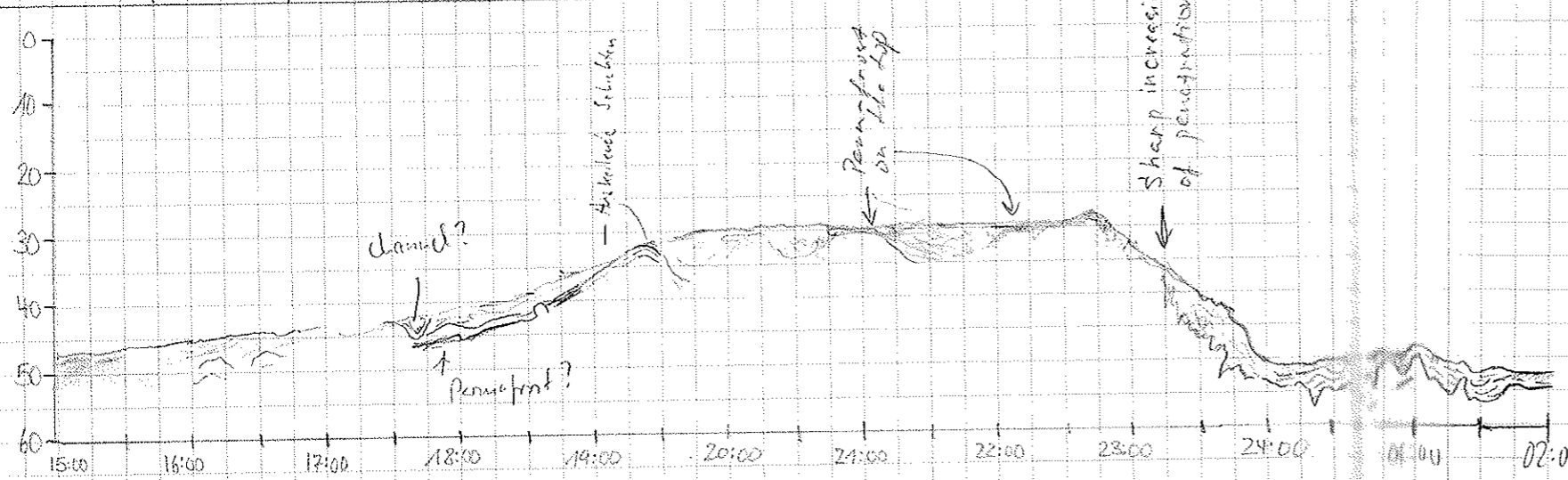
Date	Time UTC	Latitude [°N]	Longitude [°E]	Speed [kn]	Course [°]	Depth PS	Depth HS	Frequency PS	Pulse PS	Range Deso	Record Length	Wait time	Deso No	Tape No	Watch (Name)	Remarks		
28. 7. 98	14:00	24° 35.8	135° 30.1	-	-	28	11	4	2	50	50	0	1	-	Nicsson	Turned on Parasound		
	14:20	24° 37.1	135° 30.	5.5	357	28	11	4	2	50	50	"	"	58	-	Start Tape Register 16		
	19:30	25° 03	135° 26	5.2	353	35	11	4	"	"	"	"	2	59	-			
	19:47	25° 04	135° 26	5.1	359	38	11	4	"	"	"	"	"	"	-			
	20:00															Drachet	D	
	20:15	25° 07.2	135° 25.2	5.3	356	39.5	11	"	"	"	"	"	"	"	"	"		
	20:30	25° 08.6	135° 25.2	5.3	353	37.8	11	"	"	"	"	"	"	60	"	"	Change the Tape	
	20:45	25° 09.9	135° 24.3	5.0	350	37.5	11	"	"	"	"	"	"	"	"	"		
	21:00	25° 11.1	135° 23.9	5.2	357	36.2	11	"	"	"	"	"	"	"	"	"		
	21:15	25° 12.4	135° 23.7	4.2	348	36.8	11	"	"	"	"	"	"	"	"	"	} DESU was stopped for a while for unknown reason	
	21:30	25° 13.6	135° 23.6	5.3	351	40.7	11	"	"	"	"	"	"	"	"	"		
	21:45	25° 14.9	135° 23.1	5.4	352	52.5	11	"	"	"	"	"	"	"	"	"		
	22:00	25° 16.3	135° 22.3	5.3	351	38	11	"	"	"	"	"	"	"	"	"		
	22:15	25° 17.6	135° 21.6	5.3	354	39.5	11	"	"	"	"	"	"	"	"	"		
	22:30	25° 18.8	135° 21.0	5.1	353	31.5	11	"	"	"	"	"	"	"	"	"		
	22:45	25° 20.1	135° 20.5	5.3	357	31.4	11	"	"	"	"	"	"	"	"	"		
	23:00	25° 24.4	135° 20.0	5.3	352	31.3	11	"	"	"	"	"	"	"	"	"		
	23:15	25° 27.7	135° 19.2	5.0	351	32	11	"	"	"	"	"	"	"	"	"		
	23:30	25° 23.9	135° 19.0	5.0	359	33.5	11	"	"	"	"	"	"	"	61	"	Tape 60 → 61	
	23:45	25° 25.23	135° 19.6	5.3	338	34.3	11	"	"	"	"	"	"	"	"	"		
	29. 7. 98	00:00	25° 26.47	135° 18.1	5.2	356	35.6	11	"	"	"	"	"	"	"	"	"	
		00:15	25° 27.8	135° 17.8	5.9	359	36.5	11	"	"	"	"	"	"	"	"	S. Marston	
		00:30	25° 28.8	135° 20.8	5.3	044	35.4	11	"	"	"	"	"	"	"	"	"	
		00:45	25° 29.8	135° 23.4	5.4	65.3	34.2	11	"	"	"	"	"	"	"	"	"	
01:00		25° 30.9	135° 24.8	4.9	300	34.0	11	"	"	"	"	"	"	"	"	"		
01:15		25° 31.5	135° 21.6	5.9	036	35.2	11	"	"	"	"	"	"	"	"	"		
01:30		25° 32.4	135° 21.5	5.5	333	35.7	11	"	"	"	"	"	"	"	"	"		
01:45		25° 34.2	135° 19.4	5.6	342	36.5	11	"	"	"	"	"	"	"	"	"		
02:00		25° 35.5	135° 17.7	6.0	343	37.0	11	"	"	"	"	"	"	"	"	"		
02:15		25° 37.1	135° 15.9	5.6	342	38.7	11	"	"	"	"	"	"	"	"	"		
02:30		25° 38.2	135° 14.5	5.4	345	39.2	11	"	"	"	"	"	"	"	61+62	"	Tape 61 → 62	
02:45		25° 39.6	135° 13.5	5.5	350	39.8	11	"	"	"	"	"	"	"	62	"		
03:00		25° 41.2	135° 12.4	5.9	350	40.3	11	"	"	"	"	"	"	"	"	"		
03:15		25° 42.6	135° 10.5	5.6	339	40.5	11	"	"	"	"	"	"	"	"	"		
03:30		25° 43.9	135° 08.3	5.7	344	40.8	11	"	"	"	"	"	"	"	"	"		
03:45		25° 45.3	135° 08.6	5.9	015	39.7	11	"	"	"	"	"	"	"	"	"		
04:00	25° 46.6	135° 10.5	5.3	353.5	37.7	11	"	"	"	"	"	"	"	"	Gusev			
04:15	25° 48.0	135° 09.9	5.4	343.9	36.9	11	"	"	"	"	"	"	"	"	"			
04:30	25° 49.3	135° 07.9	5.6	333.4	44.3	11	"	"	"	"	"	"	"	"	"			
04:45	25° 50.5	135° 05.5	5.3	331.1	36.5	11	"	"	"	"	"	"	"	"	"			
05:00	25° 51.8	135° 04.6	5.5	45	38.7	11	"	"	"	"	"	"	"	"	"	Deso Paper changed 2 → 3		



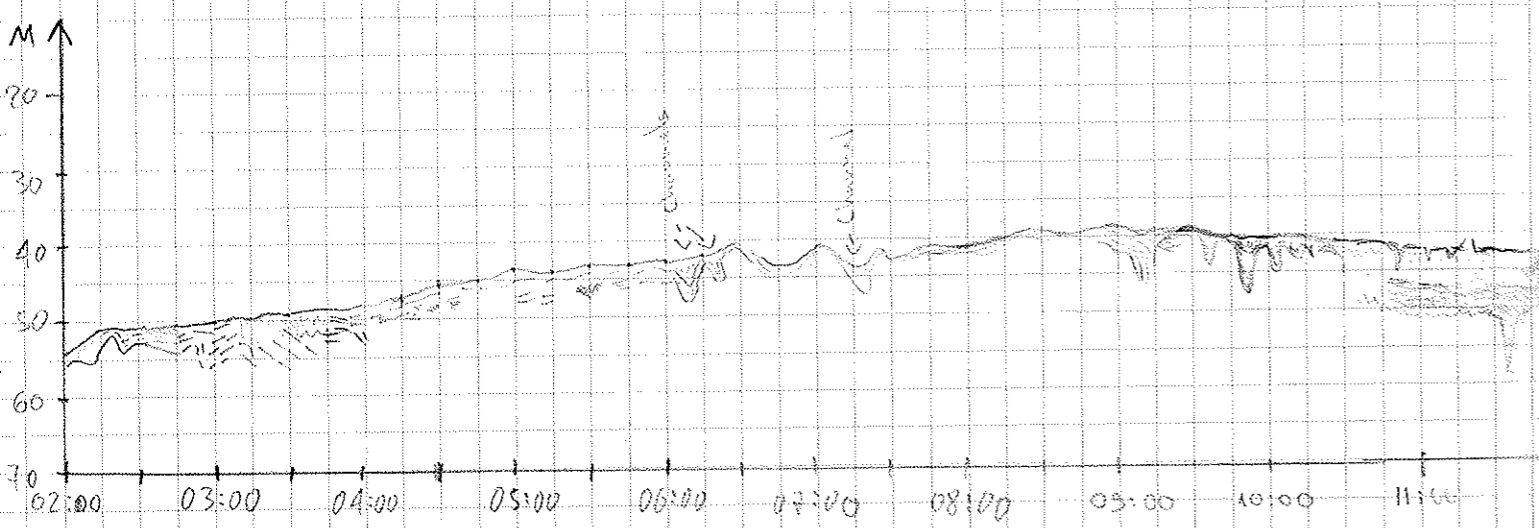
Date	Time UTC	Latitude [°N]	Longitude [°E]	Speed [kn]	Course [°]	Depth PS [m]	Depth HS [m]	Frequency PS	Pulse PS X	Range Deso X	Record Length	Wait time	Deso No	Tape No	Watch (NAME)	REMARKS
29.7.98	05:15	75°53.2	135°05.2	5.7	8.6	33.8	"	4	2	50	50	0	3	63	Gusev	Tape 62 → 63
	:30	75°54.6	135°06.0	5.7	7.8	31.6	"	"	"	"	"	"	"	"	"	"
	:45	75°56.1	135°07.0	5.8	12.9	30.7	"	"	"	"	"	"	"	"	"	"
	06:00	75°57.3	135°05.2	5.8	323.7	31.0	31.2	"	"	"	"	"	"	"	"	"
	:15	75°58.4	135°01.5	5.0	314.1	30.5	32.0	"	"	"	"	"	"	"	"	"
	:30	75°59.0	134°57.3	6.3	263.5	31.0	32.0	"	"	"	"	"	"	"	"	"
	:45	75°58.9	134°51.0	5.3	275	32.7	34.1	"	"	100	11	11	"	"	E.M.	Change PAR → PAR change Range → 100.
	07:00	75°58.9	134°45.9	5.6	277	34.2	36.8	"	"	"	11	11	"	"	"	"
	:15	76°00.1	134°46.1	5.2	009	33.1	34.8	"	"	"	11	11	"	"	"	"
	:30	76°01.3	134°46.8	5.0	007	31.5	32.9	"	"	"	11	11	"	"	"	"
	:45	76°02.5	134°47.8	4.9	010	30.4	27.4	"	"	"	11	11	"	"	"	"
	08:00	76°03.7	134°49.3	5.1	49.4	29.2	29.9	"	"	"	"	"	"	"	Gusev	"
	:15	76°04.5	134°52.7	5.2	52.1	27.9	27.9	"	"	"	"	"	"	64	"	Tape 63 → 64
	:30	76°05.6	134°55.4	6.2	352.6	27.3	27.0	"	"	"	"	"	"	"	"	"
	:45	76°07.1	134°56.2	5.2	19.4	29.1	27.4	"	"	"	"	"	"	"	"	"
	09:00	76°08.4	134°57.4	4.3	348.4	26.8	27.8	"	"	"	"	"	"	"	"	"
	:15	76°09.6	134°54.3	6.0	304.0	26.2	25.6	"	"	"	"	"	"	"	"	"
	:30	76°09.7	134°48.5	6.0	260.3	28.1	28.3	"	"	"	"	"	"	"	"	"
	:45	76°09.4	134°42.9	5.4	255.8	27.2	27.1	"	"	"	"	"	"	"	"	"
	10:00	76°09.1	134°37.4	5.5	263.8	28.5	28.6	"	"	"	"	"	"	"	"	"
	:15	76°09.7	134°31.4	5.4	270.5	29.0	28.6	"	"	"	"	"	3	64	Didie	"
	:30	76°08.0	134°25.9	5.5	267.7	30.1	28.8	"	"	"	"	"	"	"	"	"
	:45	76°07.9	134°24.4	6.1	164.9	31.0	30.1	"	"	"	"	"	"	"	"	"
	11:00	76°06.7	134°22.1	5.3	198.5	32.0	31.7	"	"	"	"	"	"	"	"	"
	:15	76°05.3	134°22.7	5.6	215.4	34.0	32.6	"	"	"	"	"	"	"	"	Tape 64 → 65
	:30	76°05.3	134°15.5	6.8	244.0	35.6	37.6	"	"	"	"	"	"	65	"	11:25
	:45	76°04.2	134°13.5	5.8	169.9	38.2	41.6	"	"	"	"	"	"	"	"	"
	12:00	76°02.8	134°14.3	5.8	161.3	40.3	42.4	"	"	"	"	"	"	"	"	"
	:15	76°01.7	134°11.8	5.8	245.5	43.9	46.2	"	"	"	"	"	"	"	Schradl	"
	:30	76°00.9	134°07.7	5.0	140.4	47.5	51.1	"	"	"	"	"	"	"	"	"
	:45	75°59.8	134°03.5	6.9	203.7	47.7	49.9	"	"	"	"	"	"	"	"	"
	13:00	75°59.6	134°05.779	5.9	328.1	48.0	49.6	"	"	"	"	"	"	"	"	"
	:15	76°00.1	134°01.5	6.7	248.8	48.3	26.1	"	"	"	"	"	"	"	Didie	"
	:30	75°59.6	133°55.7	5.3	247.9	47.8	50.8	"	"	"	"	"	"	"	"	"
	:45	75°00.1	133°50.6	5.6	303.9	49.1	50.0	"	"	"	"	"	"	"	"	"
	14:00	76°00.8	133°45.8	5.5	313.3	48.4	50.0	"	"	"	"	"	"	"	Strabl	"
	:15	76°01.5	133°40.6	5.5	290.7	48.7	50.6	"	"	"	"	"	"	"	"	Tape 65 → 66
	:30	76°01.9	133°34.9	5.3	294.7	49.1	49.4	"	"	"	"	"	"	66	"	14:24
	:45	76°02.1	133°29.1	5.9	274.8	48.1	48.3	"	"	"	"	"	"	"	"	"
	15:00	76°02.8	133°24.0	5.5	308.0	47.7	47.0	"	"	"	"	"	"	"	"	"



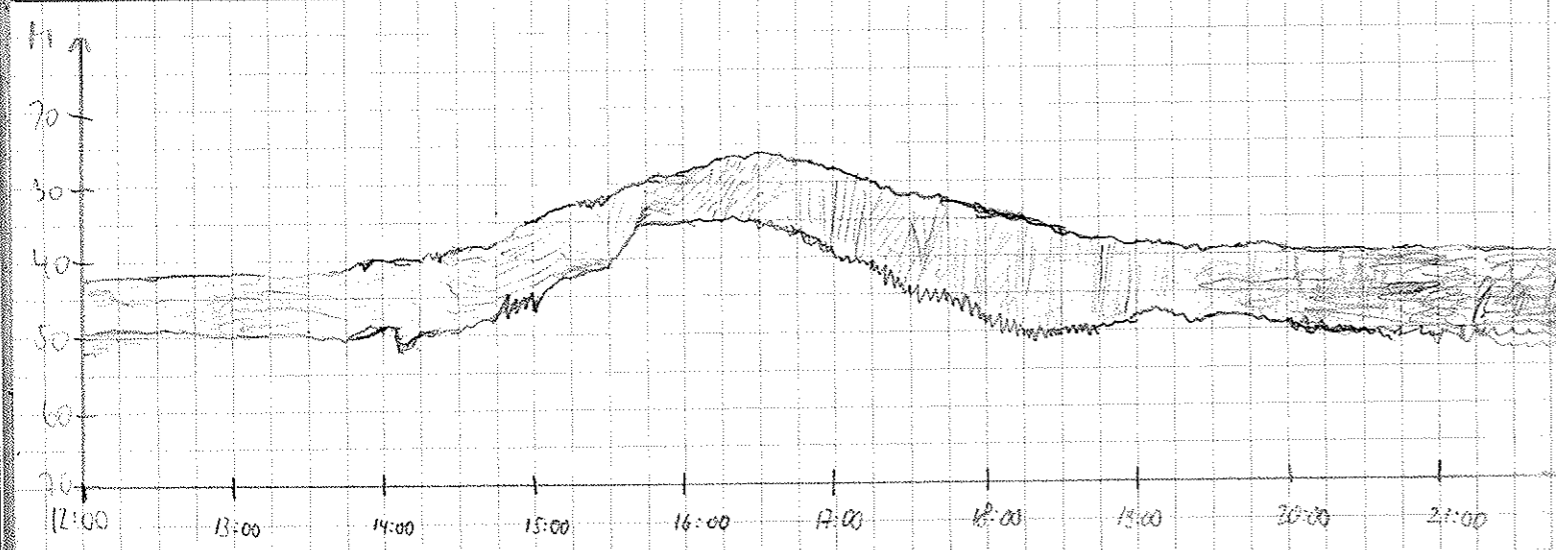
Date	Time UTC	Latitude [°N]	Longitude [°E]	Speed [kn]	Course [°]	Depth PS [m]	Depth HS [m]	Frequency PS	Pulse PS	RANGE DESO	Record Length	Wait time	DESO No	Tape No	Watch (NAME)	REMARKS
29.7.98	15:15	76°03.5	133°19.2	5.3	297.2	47.2	46.6	4	2	100	50	4	3	66	Strob	
	:30	76°04.0	133°18.9	5.1	282.4	46.1	45.6	"	"	"	"	"	"	"	"	
	:45	76°03.7	133°09.0	5.7	253.3	45.6	45.5	"	"	"	"	"	"	"	"	
	16:00	76°03.3	133°03.4	4.7	241.5	45.8	43.9	"	"	"	"	"	"	"	"	
	:15															
	:30	76°02.18	132°53.54	5.0	224	45.8	43.3	"	"	"	"	"	"	"	"	
	:45	76°01	132°50	5.0	215	41	41	"	"	"	"	"	"	"	"	
	17:00	00.6	46.6	4.8	250	37.8	36.9	"	"	"	"	"	"	"	"	
	:15	00.2	41.6	5.4	268	36.9	36.3	"	"	"	"	"	"	67	"	17 ²⁰ Tape 66 → 67
	:30	00.1	36.5	4.6	271	36.7	35.4	"	"	"	"	"	"	"	"	
	:45															
	18:00	76°00	132°26	5.2	279	38	38	"	"	"	"	"	"	"	"	Normalia turned on (Paradigme)
	:15	76°00.1	132°21	5.6	226	37	38	"	"	"	"	"	"	"	"	
	:30	75°59	132°16	5.8	230	36	38	"	"	"	"	"	"	"	"	
	:45	75°58	132°11	5.7	230	35	36	"	"	"	"	"	"	"	"	
	19:00	75°57	132°07	5.4	229	34	33	"	"	"	"	"	"	"	"	
	:15	75°57	132°04	5.4	220	33	32	"	"	"	"	"	4	"	Bude	19 ¹³ DESO - Reel 3 → 4
	:30	75°56	132°01	5.2	210	32	32	"	"	"	"	"	4	"	"	
	:45	75°55	131°58	5.3	213	29	29	"	"	"	"	"	"	"	"	
	20:00	75°54	131°55	4.7	120	26	26	"	"	"	"	"	"	"	"	
	:15	53.8	59.2	5.7	1.8	27	26.1	"	"	"	"	"	4	68	Drucker	We changed the course due to ice.
	:30															
	:45	59.14	47.0	7.0	242	29	28.4	"	"	"	"	"	"	"	"	
	21:00	53.4	43.7	6.2	252	29	29.5	"	"	"	"	"	"	"	"	
	:15	53.1	38.3	6.3	259	28.9	29.1	"	"	"	"	"	"	"	"	
	:30	53.1	30.8	9.0	271	29.7	29.3	"	"	"	"	"	"	"	"	
	:45	53.1	24.5	8.0	258	29.4	30.8	"	"	"	"	"	"	"	"	
	22:00	52.8	18.6	6.4	255	28.2	26.9	"	"	"	"	"	"	"	"	
	:15	52.0	13.2	6.2	235	27.5	25.4	"	"	"	"	"	"	"	"	
	:30	50.8	08.4	6.1	224	28.2	28.2	"	"	"	"	"	"	"	"	
	:45	49.9	04.3	8.8	224	29.7	28.2	"	"	"	"	"	"	"	"	
	23:00	48.9	00.5	8.4	226	31.6	30.7	"	"	"	"	"	"	"	"	
	:15	47.9	180°56.1	4.9	230	37.6	36.9	"	"	"	"	"	"	69	"	Tape 68 → 69
	:30	46.9	52.4	5.3	215	39.8	26.8	"	"	"	"	"	"	"	"	
	:45	45.6	49.2	5.1	217	43.3	27.1	"	"	"	"	"	"	"	"	
	24:00	75°44.5	130°44.4	6.0	237	50.4	27.6	"	"	"	"	"	"	"	"	E.M.
30.07.98	:15	75°43.9	130°40.2	5.2	240	50.3	27.8	"	"	"	"	"	"	"	"	
	:30	75°43.4	130°35.6	6.3	197.2	51.3	28.9	"	"	"	"	"	"	"	"	
	:45	75°42.1	130°33.8	6.5	200	49.8	27.7	"	"	"	"	"	"	"	"	
	1:00	75°40.7	130°29.3	4.8	234	48.9	28.1	"	"	"	"	"	"	"	"	
	:15	75°40.0	130°25.8	6.4	232	51.2	28.0	"	"	"	"	"	"	"	"	
	:30	75°39.2	130°21.4	5.0	231	53.1	26.8	"	"	"	"	"	"	"	"	



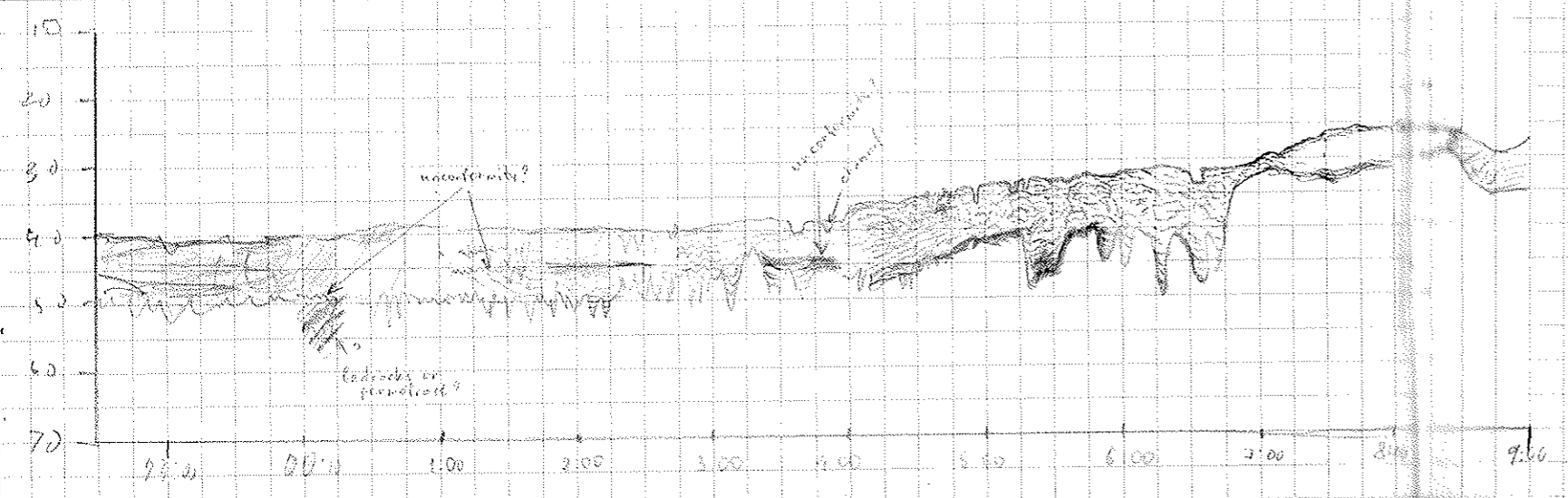
Date	Time (UTC)	Latitude [°N]	Longitude [°E]	Speed [kN]	Course [°]	Depth PS [m]	Depth HS [m]	Frequency PS [kHz]	Pulse PS	Range Deso	Record Length	Wait time	Deso No.	Tape No.	Watchers name	Remarks
30.07.88	01:45	75°38.2	130°17.0	5.2	228	53.4	27.6	4	2	100	50	0	4	69	E. M.	
	02:00	75°37.5	130°13.8	4.3	226	54.0	25.7	11	11	11	11	11	11	11	11	
	:15	36.5	08.8	5.7	225	50.7	26.0	11	11	11	11	11	11	11	11	
	:30	35.5	05.9	5.4	221	51.8	24.0	11	11	11	11	11	11	70	11	Change tape 69 → 70
	:45	34.3	01.6	5.7	225	50.8	25.6	11	11	11	11	11	11	11	11	
	03:00	33.5	129°57.7	5.3	224	50.0	22.3	11	11	11	11	11	11	11	11	
	:15	32.3	53.3	5.7	226	49.3	21.8	11	11	11	11	11	11	11	11	
	:30	31.4	49.7	5.4	205	48.9	25.4	11	11	11	11	11	11	11	11	
	:45	30.1	47.8	5.8	222	48.4	45.3	11	11	11	11	11	11	11	11	
	04:00	29.1	44.6	5.4	226	47.8	49.2	11	11	11	11	11	11	11	11	
	:15	28.1	40.4	5.4	227	47.2	48.1	11	11	11	11	11	11	11	11	First
	:30	27.2	36.2	6.0	233	45.7	43.8	11	11	11	11	11	11	11	11	
	:45	26.3	31.9	5.6	231	45.1	27.1	11	11	11	11	11	11	11	11	
	05:00	25.4	27.7	5.7	226	43.9	42.0	11	11	11	11	11	11	11	11	
	:15	24.6	23.3	6.0	237	44.0	27.5	11	11	11	11	11	11	71	11	change tape 70 → 71
	:30	23.7	18.9	5.3	225	43.7	27.7	11	11	11	11	11	11	11	11	
	:45	75°22.7	129°15.5	6.3	229	43.6	29.3	11	11	11	11	11	11	11	11	
	06:00	75°21.6	129°10.4	5.4	226	43.7	42.1	11	11	11	11	11	11	11	11	Helmer
	:15	20.6	06.5	6.2	226	42.8	39.8	11	11	11	11	11	11	11	11	
	:30	19.7	02.8	5.1	222	41	38.2	11	11	11	11	11	11	11	11	
	:45	18.6	129°02.4	6.4	231	43.1	26.9	11	11	11	11	11	11	11	11	
	07:00	17.6	51.3	5.3	226	41	39.1	11	11	11	11	11	11	11	11	
	:15	16.6	50.2	5.7	226	40.7	43.1	11	11	11	11	11	11	11	11	
	:30	15.7	46.4	5.8	227	41.7	25	11	11	11	11	11	11	11	11	
	:45	14.7	42.4	4.8	224	39.9	29.3	11	11	11	11	11	11	11	11	
	08:00	13.6	38.2	5.6	228	40.8	22.0	11	11	11	11	11	11	11	11	Miller-Lupp
	:15	12.6	34.0	5.2	227	41.0	25.7	11	11	11	11	11	11	5	72	Change tape 71 → 72
	:30	11.6	30.9	6.2	1740	39.1	23.9	11	11	11	11	11	11	11	11	
	:45	11.0	35.7	5.6	113.8	39.6	25.3	11	11	11	11	11	11	11	11	
	09:00	10.6	41.3	5.1	95.2	38.3	26.3	11	11	11	11	11	11	11	11	
	:15	10.3	46.3	6.3	110.0	38.8	25.3	11	11	11	11	11	11	11	11	
	:30	09.8	51.8	5.0	108.9	39.3	37.5	11	11	11	11	11	11	11	11	
	:45	09.5	57.0	5.3	105.2	40.8	39.2	11	11	11	11	11	11	11	11	
	10:00	09.2	129°02.4	4.9	98.8	41.1	40.5	11	11	11	11	11	11	11	11	Wagner
	:15	08.8	07.9	7.3	106.8	41.2	28.5	11	11	11	11	11	11	11	11	
	:30	08.4	13.2	6.1	106.6	41.9	41.3	11	11	11	11	11	11	11	11	
	:45	08.0	18.5	5.6	108.9	42.3	40.7	11	11	11	11	11	11	11	11	
	11:00	07.7	24.0	5.4	109.1	42.5	44.4	11	11	11	11	11	11	11	11	
	:15	07.3	29.5	6.1	91.5	42.6	26.1	11	11	11	11	11	11	11	73	Change tape 72 → 73
	:30	06.9	34.9	5.9	109.3	43.2	28.7	11	11	11	11	11	11	11	11	
	:45	06.5	40.1	4.4	94.0	43.3	25.1	11	11	11	11	11	11	11	11	
	12:00	75°06.2	129°46.1	6.1	99.6	43.5	28.2	11	11	11	11	11	11	11	11	Bude



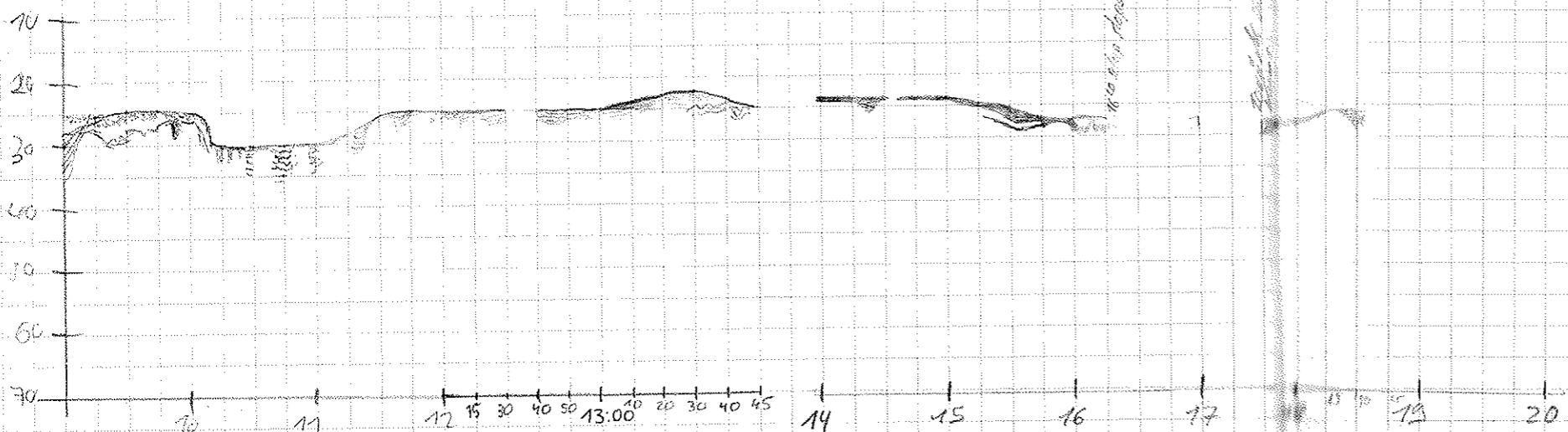
Date	Time (UTC)	Latitude [°N]	Longitude [°E]	Speed [km]	Course [°T]	Depth PS [m]	Depth HS [m]	Frequency PS [kHz]	Pulse PS	Range Deso	Record Length	Went Thru	Deso No.	Tape No.	Watcher Name	Remarks
30.07.98	12:15	75° 05.6	129° 52.4	5.2	109.0	43.4	45.1	4	2	100	50	Ø	5	73	Bude	12:07 Pack. hard + Gas?
	12:30	05.3	58.0	5.1	91.8	43.2	45.8	"	"	"	"	"	"	"	"	"
	12:45	05.2	130° 03.3	5.4	705.7	43.0	45.6	"	"	"	"	"	"	"	"	"
	13:00	75° 04.7	08.6	4.9	117.2	42.6	44.3	"	"	"	"	"	"	"	"	"
	13:15	04.3	13.2	5.4	705.3	42.3	44.6	"	"	"	"	"	"	"	"	at 17:22 baseline changed in DESO
	13:30	03.9	18.1	5.5	103.9	42.2	45.0	"	"	"	"	"	"	"	"	"
	13:45	75° 03.6	130° 23.4	5.7	102.1	42.2	43.2	"	"	"	"	"	"	"	"	"
	14:00	75° 03.241	130° 28.623	5.4	106.9	42.2	42.6	"	"	"	"	"	"	"	Wolodov	
	14:15	75° 02.85	130° 23.816	5.4	106.4	42.2	42.3	"	"	"	"	"	"	74	"	Change tape 73 → 74
	14:30	75° 01.522	130° 38.529	6.5	100.5	42.2	42.3	"	"	"	"	"	"	"	"	"
	14:45	75° 02.242	130° 43.206	5.5	105.0	42.2	39.0	"	"	"	"	"	"	"	"	"
	15:00	75° 01.276	130° 48.976	5.6	106.4	42.2	38.5	"	"	"	"	"	"	"	"	"
	15:15	75° 01.495	130° 54.184	5.6	105.4	42.2	38.2	"	"	"	"	"	"	"	"	"
	15:30	75° 01.103	130° 59.282	5.6	105.1	42.2	35.4	"	"	"	"	"	"	"	"	"
	15:45	75° 00.736	131° 04.447	5.6	106.4	42.2	28.4	"	"	"	"	"	"	"	"	"
	16:00	75° 00.317	131° 09.630	5.8	108.1	42.2	26.9	"	"	"	"	"	"	"	Kirillov	
	16:15	74° 59.998	131° 15.872	5.0	37.0	42.2	25.2	"	"	"	"	"	"	"	"	"
	16:30	74° 59.857	131° 13.184	5.6	251.2	42.2	26.5	"	"	"	"	"	"	"	"	"
	16:45	74° 59.469	131° 08.193	5.2	253.2	42.2	26.5	"	"	"	"	"	"	"	"	"
	17:00	74° 59.130	131° 03.090	5.5	257.2	42.2	30.8	"	"	"	"	"	"	"	"	"
	17:15	74° 58.742	130° 57.212	5.4	254.3	42.2	34.2	"	"	"	"	"	"	75	"	Change tape 74 → 75
	17:30	74° 58.421	130° 52.910	5.4	254.5	42.2	34.5	"	"	"	"	"	"	"	"	"
	17:45	74° 58.052	130° 47.887	5.5	254.4	42.2	35.6	"	"	"	"	"	"	"	"	"
	18:00	74° 57.679	130° 42.865	5.6	251.7	42.2	36.4	"	"	"	"	"	"	"	"	"
	18:15	74° 57.235	130° 37.621	5.6	253.8	42.2	36.7	"	"	"	"	"	"	"	"	"
	18:30	74° 56.849	130° 32.299	5.7	253.7	42.2	39.4	"	"	"	"	"	"	"	"	"
	18:45	74° 56.421	130° 27.182	5.6	254.1	42.2	39.7	"	"	"	"	"	"	"	"	"
	19:00	74° 56.065	130° 22.031	5.5	254.9	42.2	41.7	"	"	"	"	"	"	"	"	"
	19:15	74° 55.685	130° 16.958	5.5	253.3	42.2	41.2	"	"	"	"	"	"	"	"	"
	19:30	74° 55.328	130° 11.752	5.5	256.4	42.2	39.2	"	"	"	"	"	"	"	"	"
	19:45	74° 55.035	130° 06.583	5.5	257.4	42.2	40.6	"	"	"	"	"	"	"	"	"
	20:00	54.7	01.50	5.5	257.8	42.2	41.3	"	"	"	"	"	"	"	Drachev	
	20:15												6	"	"	DESO is changed to 6
	20:30	53.8	129° 51	5.5	254	39.6	42	"	"	"	"	"	"	76	"	Tape is changed 75 → 76
	20:45	53.6	46.7	5.3	257	39.5	42.1	"	"	"	"	"	"	"	"	"
	21:00	53.3	41.7	5.1	255	40	41.9	"	"	"	"	"	"	"	"	"
	21:15	52.9	36.8	5.2	249	40.3	41.0	"	"	"	"	"	"	"	"	"
	21:30	52.4	32.5	5.2	241	40.3	41.4	"	"	"	"	"	"	"	"	"
	21:45	51.8	27.8	5.6	256	40.5	42.1	"	"	"	"	"	"	"	"	"
	22:00	51.5	22.9	5.8	248	40.6	41.5	"	"	"	"	"	"	"	"	"
	22:15	51.0	17.8	5.6	254	40.6	41.0	"	"	"	"	"	"	"	"	"
	22:30	50.6	12.6	5.5	252	40.5	42.1	"	"	"	"	"	"	"	"	"



Date	Time (GMT)	Latitude (N)	Longitude (E)	Speed (Kn)	Course (°)	Depth PS	Depth HS	Freq. PS	Palae. PS	Range DEGO	Recon. Length	Wait. Time	DESO No.	Tape No.	Watcher (Name)	Remarks
30.07.98	22:45	74°50.37	129°07.51	5.4	265	40.2	42.2	4	2	100	50	0	6	76	Drachov	
	23:00	50.26	02.5	5.4	265	40.2	38.3	"	"	"	"	"	"	"	"	
	17	49.9	128°56.6	5.5	255	39.3	41.7	"	"	"	"	"	"	77	"	Tape is changed 76 → 77
	30	49.6	52.4	5.3	258	40.2	41	"	"	"	"	"	"	"	"	
	45	49.3	47.5	5.4	235	39.7	42	"	"	"	"	"	"	"	"	
31.07.98	00:00	48.9	42.5	5.5	251	39.2	40.1	"	"	"	"	"	"	"	"	
	15	74°48.5	128°37.6	5.3	250	38.8	39.8	"	"	"	"	"	"	"	Gusev	
	30	48.2	128°33.3	4.3	257.2	38.5	38.6	"	"	"	"	"	"	"	"	DESO paper was stopped for 5 seconds
	45	47.9	128°29.4	5.7	186.0	38.1	40.3	"	"	"	"	"	"	"	"	
	01:00	47.4	128°34.5	5.6	104.9	38.7	40.8	"	"	"	"	"	"	"	"	
	15	47.1	128°39.4	5.5	109.1	39.0	39.3	"	"	"	"	"	"	"	"	
	30	46.6	128°44.3	5.1	120.9	39.1	41.8	"	"	"	"	"	"	"	"	
	45	45.9	128°48.7	6.6	117.8	39.3	40.3	"	"	"	"	"	"	"	"	
	02:00	45.4	128°52.9	5.6	118.1	39.5	40.1	"	"	"	"	"	"	"	"	
	15	44.7	128°57.6	5.6	118.1	39.3	42.1	"	"	"	"	"	"	78	"	Tape is changed 77 → 78
	30	44.1	129°02.2	5.0	118.8	38.9	40.6	"	"	"	"	"	"	"	"	
	45	43.4	129°06.5	5.7	122.7	38.3	39.8	"	"	"	"	"	"	"	"	
	03:00	42.7	129°10.9	5.0	116.3	38.4	40.0	"	"	"	"	"	"	"	"	DESO paper was stopped again automatically
	15	42.2	129°14.8	4.7	118.9	38.0	39.4	"	"	"	"	"	"	"	"	
	30	41.6	129°18.9	4.6	116.4	37.4	38.3	"	"	"	"	"	"	"	"	
	45	41.2	129°22.8	4.6	114.2	37.1	39.2	"	"	"	"	"	"	"	"	
	04:00	40.8	129°27.0	4.6	113.4	36.4	37.8	"	"	"	"	"	"	"	Talolenkova	
	15	40.3	129°31.5	6.2	114.4	35.7	38.3	"	"	"	"	"	"	"	"	
	30	39.6	129°36.5	5.9	115.9	35.0	37.7	"	"	"	"	"	"	"	"	
	45	39.0	129°41.5	6.0	114.1	34.5	37.6	"	"	"	"	"	"	"	"	
05:00	38.4	129°46.7	5.9	116.8	33.8	36.7	"	"	"	"	"	"	"	"		
15	37.8	129°52.7	6.5	107.4	33.4	35.3	"	"	"	"	"	"	79	"	Tape is changed: 78 → 79	
30	37.1	129°57.3	6.2	118.0	32.9	36.6	"	"	"	"	"	"	"	"		
45	36.4	130°02.4	6.2	121.5	32.3	34.3	"	"	"	"	"	"	"	"		
06:00	35.6	130°08.6	6.5	115.5	32.0	34.7	"	"	"	"	"	"	"	"		
15	35.0	130°13.1	6.3	117.7	32.2	35.5	"	"	"	"	"	"	"	"		
30	34.4	130°18.4	5.8	113.6	31.8	33.8	"	"	"	"	"	"	"	"		
45	33.8	130°23.1	5.7	112.6	32.1	32.5	"	"	"	"	"	"	"	"		
07:00	33.3	130°28.1	6.0	110.5	30.2	29.0	"	"	"	"	"	"	"	"		
15	32.7	130°33.2	6.0	118.6	28.3	28.8	"	"	"	"	"	"	"	"		
30	32.1	130°37.7	5.6	138.1	26.7	25.1	"	"	"	"	"	"	"	"		
45	31.3	130°42.1	5.4	122.3	26.4	24.5	"	"	"	"	"	"	"	"		
08:00	30.7	130°46.6	5.3	120.0	25.9	25.9	"	"	"	"	"	"	"	Bauch		
15	29.8	130°50.5	5.2	133.3	26.2	26.9	"	"	"	"	"	"	80	"	Tape is changed 79 → 80	
30	29.4	130°54.9	5.5	100.2	27.2	25.3	"	"	"	"	"	"	"	"		
45	29.1	130°59.7	5.5	147.9	30.1	29.3	"	"	"	"	"	"	"	"		
09:00	27.9	130°57.0	5.4	215.0	27.7	26.0	"	"	"	"	"	"	"	"		



Date	Time (GMT)	Latitude (°N)	Longitude (°E)	Speed (kn)	Course (°)	Depth PS (m)	Depth HS (m)	Frequency PS	Pulse PS	Range Deso	Record Comp	Vait + min	Deso No	Tape No	Watache name	
31.07.98	09:15	74°26.8	130°54.1	5.4	214.5	26.0	25.9	4	2	100	50	0	6	80	Bauch	
	:30	74°25.7	130°51.2	5.6	215.8	24.5	22.7	"	"	"	"	"	"	"	"	
	:45	74°24.6	130°49.4	5.5	214.9	24.9	22.6	"	"	"	"	"	"	"	"	
	10:00	74°23.4	130°45.5	5.6	212.6	24.1	22.5	"	"	"	"	"	"	"	"	
	:15	74°22.1	130°42.3	5.3	215.8	30.1	28.8	4	2	100	50	0	6	80	Hölanowen	Deso Rolle 6 → 7
	:30	74°21.0	130°41.7	6.1	176.0	30.7	31.3	4	2	100	50	0	7	80	"	
	:45	74°19.6	130°41.5	5.1	180.6	30.3	30.8	4	2	100	50	0	7	80	"	
	11:00	74°18.2	130°41.5	5.2	179.4	29.8	28.3	4	2	100	50	0	7	80	"	
	:15	74°16.8	130°41.3	5.9	180.3	27.5	25.8	4	2	100	50	0	7	80	"	
	:30	74°15.5	130°41.9	6.0	184.4	26.2	24.2	4	2	100	50	0	7	80	"	Tape changed 80 → 81
	:45	74°14.1	130°41.5	6.0	183.4	25.9	24.9	4	2	100	50	0	7	81	"	
	12:00	74°12.7	130°41.3	5.5	183.1	25.3	23.6	4	2	100	100	0	7	81	"	
	:15	74°11.4	130°41.1	5.3	180.4	25.4	23.6	4	2	100	100	0	7	81	Binder	12:27 Exit Paradigma Neustart Bandwechsel Record Length 100 m
	:30	74°09.1	130°40.1	5.8	182.8	25.3	23.6	4	2	100	100	0	7	82	"	
	:45	74°08.1	130°40.3	5.5	172.1	25.8	22.7	4	2	100	100	0	7	82	"	
	12:00	74°07.2	130°40.3	5.6	182.4	25.2	23.7	4	2	100	100	0	7	82	"	Signal kann alle 10min
	:10	74°06.3	130°40.3	5.5	180.6	24.6	22.8	4	2	100	100	0	7	82	"	
	:20	74°05.4	130°40.8	5.3	181.8	23.6	22.1	4	2	100	100	0	7	82	"	
	:30	74°04.5	130°40.7	5.3	180.6	23.1	21.6	4	2	100	100	0	7	82	"	
	:40	74°03.6	130°40.7	5.4	181.3	23.8	22.5	4	2	100	100	0	7	82	"	Signal wieder alle 15min
	:45	74°03.1	130°40.6	5.5	183.3	23.5	21.6	4	2	100	100	0	7	82	"	
	14:00	74°01.5	130°40.2	5.3	184.1	23.4	22.2	"	"	50	50	"	"	"	Didie	
	:15	74°00.3	130°40.0	5.7	183.6	23.4	20.9	"	"	"	"	"	"	"	"	
	:30	73°58.9	130°39.9	6.0	178.2	23.4	20.4	"	"	"	"	"	"	"	"	
	:45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	15:00	73°55.9	130°40.0	5.8	182.2	23.5	22.0	"	"	"	"	"	"	83	"	14:37 Prosound reset 14:43 " ausgeschaltet " Paradigma abgestellt Band abgebrochen
	:15	73°54.5	130°40.7	6.5	162.8	24.6	23.9	"	"	"	"	"	"	"	"	
	:30	73°52.0	130°42.3	6.9	163.0	25.4	25.6	"	"	"	"	"	"	"	"	
	:45	73°51.4	130°43.5	6.4	162.6	26.3	25.5	"	"	"	"	"	"	"	"	Tape change 82 → 83
	16:00	73°50.1	130°45.1	5.6	164.6	26.0	27.7	"	"	"	"	"	"	"	"	
	:15	73°48.8	130°46.5	5.4	165.2	26.5	27.8	"	"	"	"	"	"	"	Schleife	16:00 Schiff abt (aufgehoben)
	:30	73°48.7	130°47.6	3.1	358.3	25.9	27.1	"	"	"	"	"	"	"	"	16:56 Schiff ist wieder frei
	:45	-	-	-	-	-	-	-	-	-	-	-	-	-	"	
	17:00	73°49.2	130°45.6	4.9	301.6	26.6	26.8	"	"	"	"	"	"	"	"	Schleife gefahren
	:15	-	-	-	-	-	-	-	-	-	-	-	-	-	"	17:30 Schiff ist wieder auf Was
	:30	73°49.6	130°46	5.6	171.7	26.0	29.6	"	"	"	"	"	"	"	"	
	:45	73°48.1	130°46.6	5.8	153.9	28.4	27.5	"	"	"	"	"	"	"	"	
	18:00	73°46.9	130°48.6	5.6	169.0	28.3	27.7	"	"	"	"	"	"	"	"	
	:15	73°45.6	130°50.7	5.6	148.6	26.0	24.6	"	"	"	"	"	"	"	"	
	:30	73°44.5	130°53.6	6.0	146.9	26.7	28.2	"	"	"	"	"	"	"	"	Tape changed 83 → 84

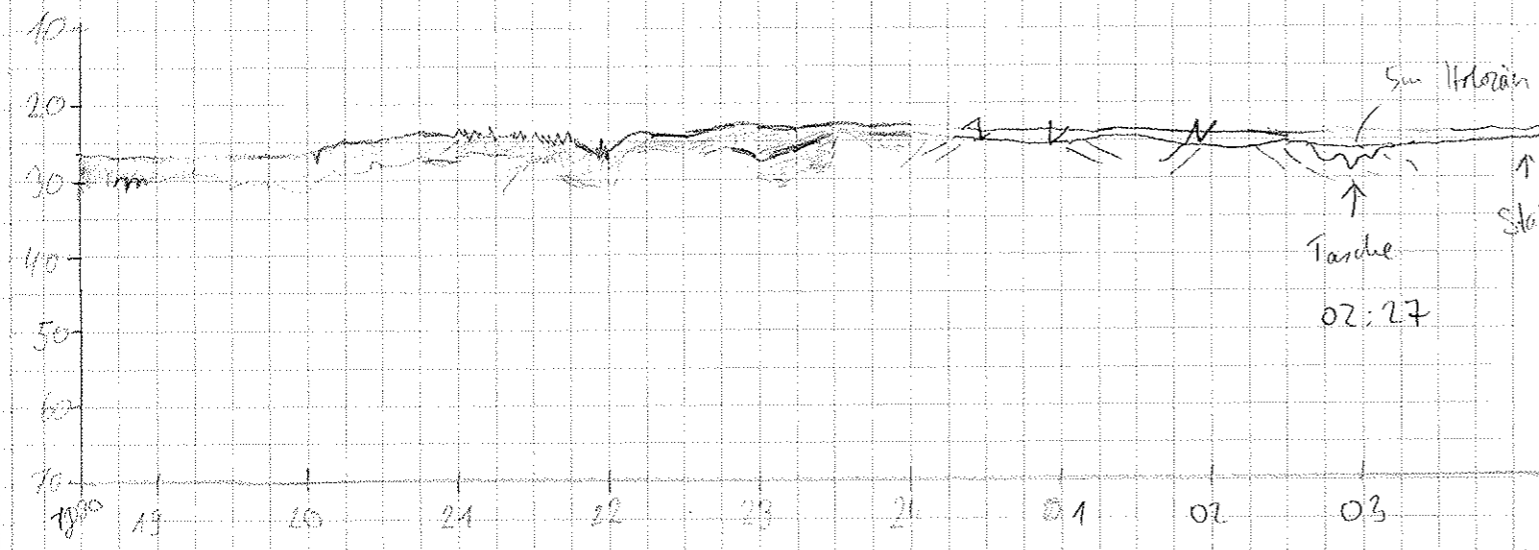


Date	Time GMT	Latitude <N>	Longitude <E>	Speed <kn>	Course <°>	Depth PS (m)	Depth HS (m)	Frequency PS	Pulse PS	Range Deso	Record length 50/100	Wait time	Deso No	Tape No	Observer Name
31/07/98	18:15	73°43,0	130°54,2	5,8	189,0	27,2	27,8	4	2	100	50/100	0	7	84	Schröder
	19:00	73°41,5	130°57,3	6,0	179,1	27,4	28,3	4	"	"	"	"	"	"	"
	19:15	73°40,0	130°55,7	6,0	173	27,2	28,9	4	"	"	"	"	"	"	"
	19:30	73°38,9	130°58,9	5,9	139,8	26,7	28,8	4	"	"	"	"	"	"	"
	19:45	73°37,1	131°06,4	5,7	109,7	25,5	25,4	"	"	"	"	"	"	"	Strobl
	20:00	73°36,5	131°10,6	5,6	131,8	25,4	25,5	"	"	"	"	"	"	"	"
	20:15														
	20:30	73°35,3	131°13,1	5,7	163,8	25,1	25,6	"	"	"	"	"	"	"	"
	20:45	73°34,1	131°15,7	5,3	131,4	24,7	24,1	"	"	"	"	"	"	"	"
	21:00	73°33,2	131°19,7	5,9	130,3	24,2	22,5	"	"	"	"	"	"	"	"
	21:15	73°32,2	131°24,1	6,2	131,5	24,8	25,2	"	"	"	"	"	"	"	"
	21:30	73°31,1	131°27,7	6,2	130,2	24,6	24,9	"	"	"	"	"	"	"	"
	21:45	73°30,3	131°32,3	6,3	145,5	24,5	25,0	"	"	"	"	"	"	85	"
	22:00	73°28,9	131°35,4	6,2	146,1	25,1	23,9	"	"	"	"	"	"	"	"
	22:15	73°27,9	131°39,4	6,4	136,9	24,2	24,0	"	"	"	"	"	"	"	"
	22:30	73°26,9	131°43,5	7,1	142,0	23,9	23,0	"	"	"	"	"	"	"	"
	22:45	73°25,6	131°47,0	7,0	179,3	23,8	23,5	"	"	"	"	"	"	"	"
	23:00	73°23,9	131°47,1	6,5	176,9	24,0	26,5	"	"	"	"	"	"	"	"
	23:15	73°23,3	131°50,1	6,8	74,2	23,6	24,8	"	"	"	"	"	"	"	"
	23:30	73°23,6	131°55,4	5,8	8,6	22,8	23,0	"	"	"	"	"	"	"	"
	23:45	73°25,2	131°53,4	4,7	324,3	23,4	23,1	"	"	"	"	"	"	"	"
	24:00	73°25,9	131°49,8	6,1	269,5	23,5	23,3	"	"	"	"	"	"	"	"
1.8.98	15	73°25,8	131°41,7	6,4	274	24,4	25,2	"	"	"	"	0	8	"	Nimm Deso Rolle 7 → 8
	30	73°26	131°38	5,9	16	14,4	27,1	"	"	"	"	"	"	86	"
	45	73°28	131°40	6,1	349	23,7	28,1	"	"	"	"	"	"	"	"
	1:00	73°29	131°42	6,5	102	23,7	22,8	"	"	"	"	"	"	"	"
	15	73°29	131°46	6,5	100	23,5	23,7	"	"	"	"	"	"	"	"
	30	73°27	131°47	9,9	183	23,6	23,7	"	"	"	"	"	"	"	"
	45	73°26	131°46	6,5	180	23,8	22,7	"	"	"	"	"	"	"	"
	2:05	73°24	131°44	7,4	225	24,5	26,6	"	"	"	"	5s	"	"	"
	2:39	73°25	131°41	12,5	358	23,1	24,6	"	"	"	"	10s	"	"	"
	2:50	73°27	131°41	8,4	318	24,3	26,1	"	"	"	"	0	"	"	"
	3:22	73°24,8	131°38	-	-	24,4	24,3	"	"	"	"	60s	"	"	"
	8:15	73°27	131°38	-	-	"	"	"	"	"	"	"	"	86	"
	19:00	73°26	131°42	8,4	139,1	24,1	24,6	"	"	"	"	"	"	"	"
			Station PS 51/079												
2.8.98	17:41	73°25,9	131°44	9	297	23,9	24,6	"	"	"	"	0	"	87	"
	15:08	71°19,1	131°05	-	-	25,3	23,8	"	"	"	"	10	"	"	"

Tape changed 84 → 85

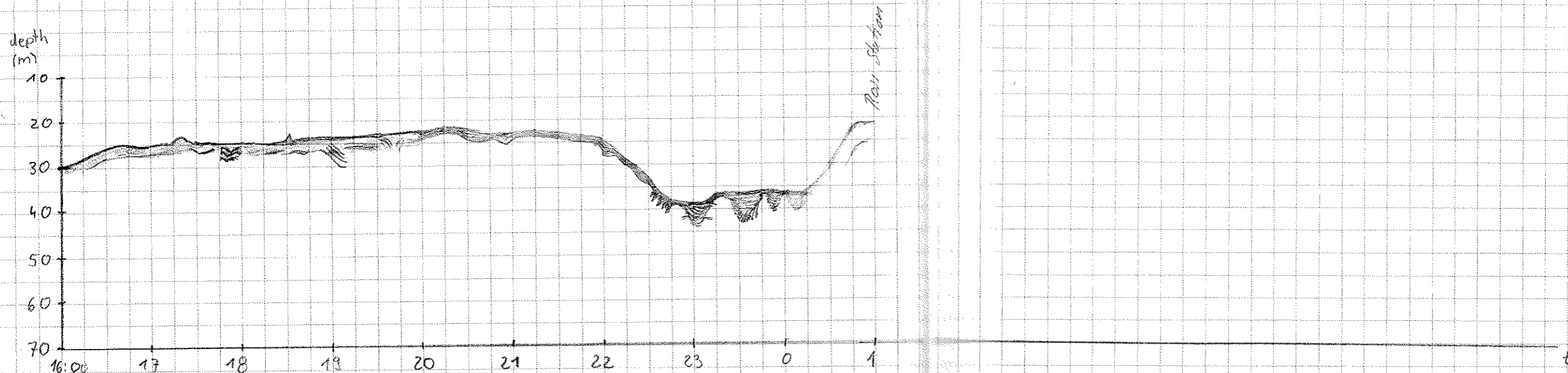
Deso Rolle 7 → 8
Tape 86
Tape 85 ohne Schwarz-
schaltung, ca. 10 min. an
aus Tape 1/2 (210 MB
written?)

Stromer lichen
Richtung Stahm
dampfen
auf Station
Anker am Paradox
Tape 86 → 87
Tape 87
Ende Station
Reine abkurz
Tape 87 → 88
Stahm PS 51/087

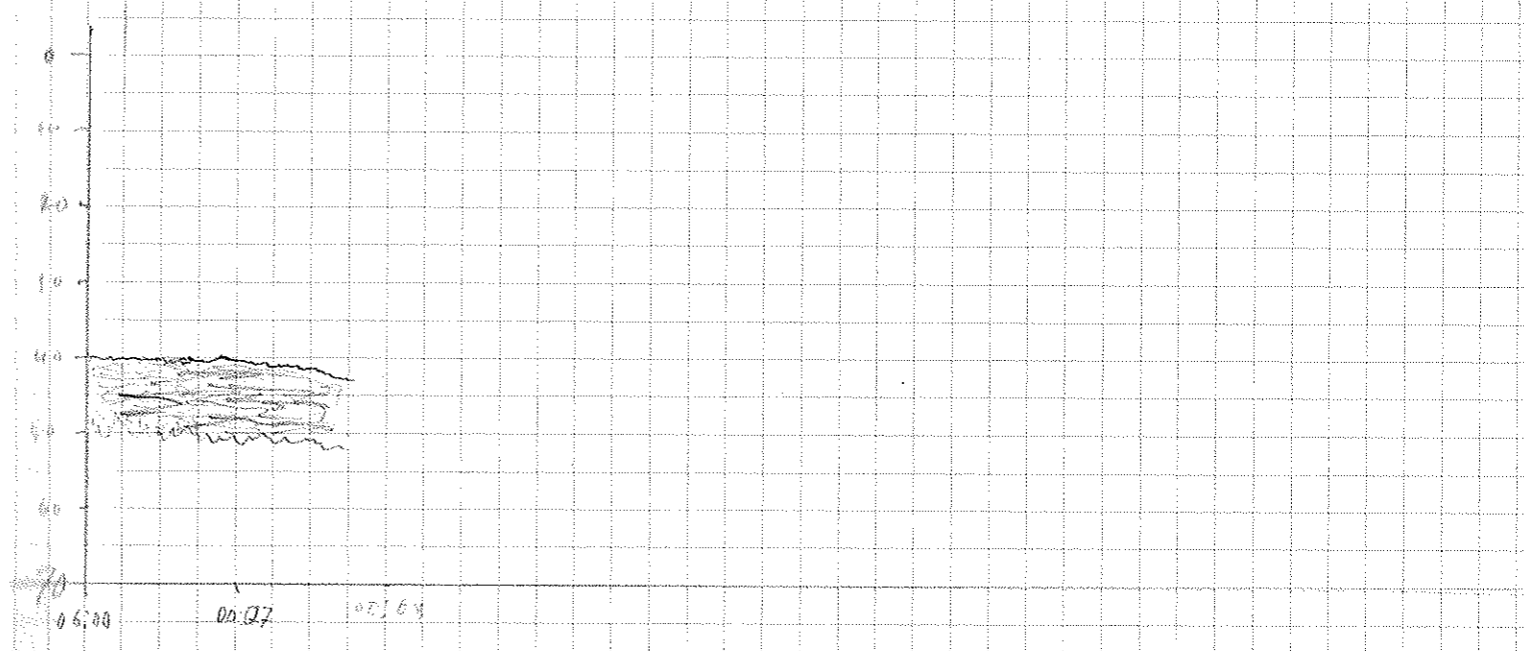
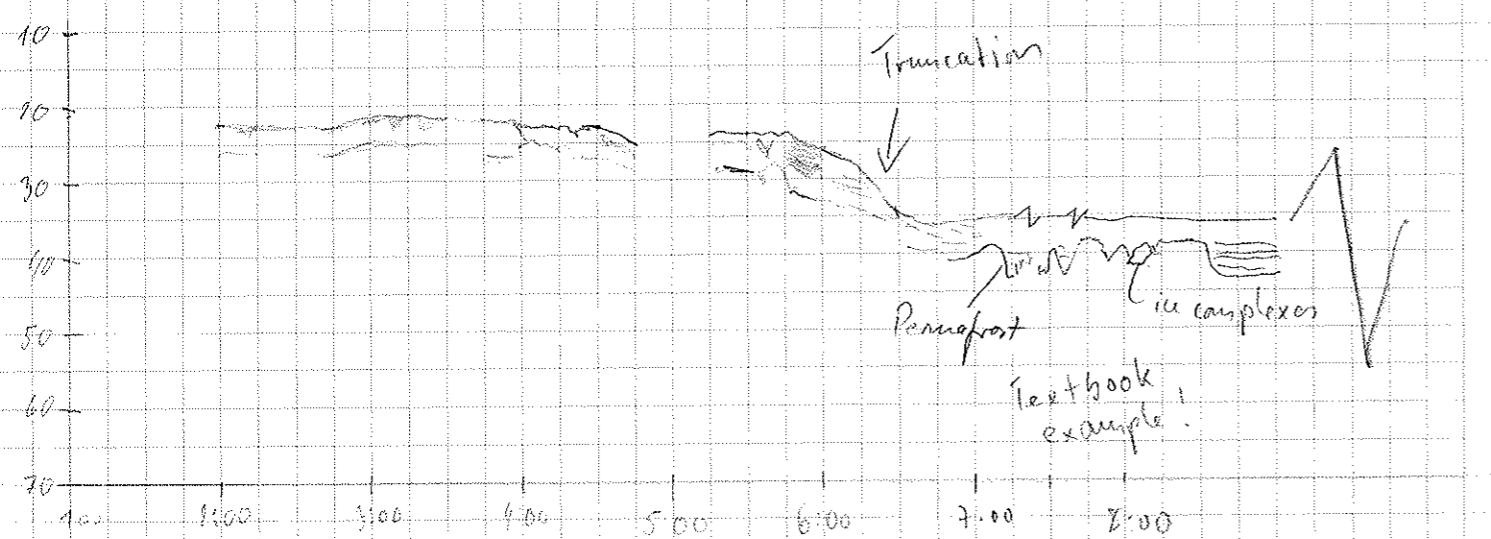


Wait 10s
später 5s
bis Station PS 51/087
Station
PS 51/079
(Profil-Duplizierung)
kein Wadginger

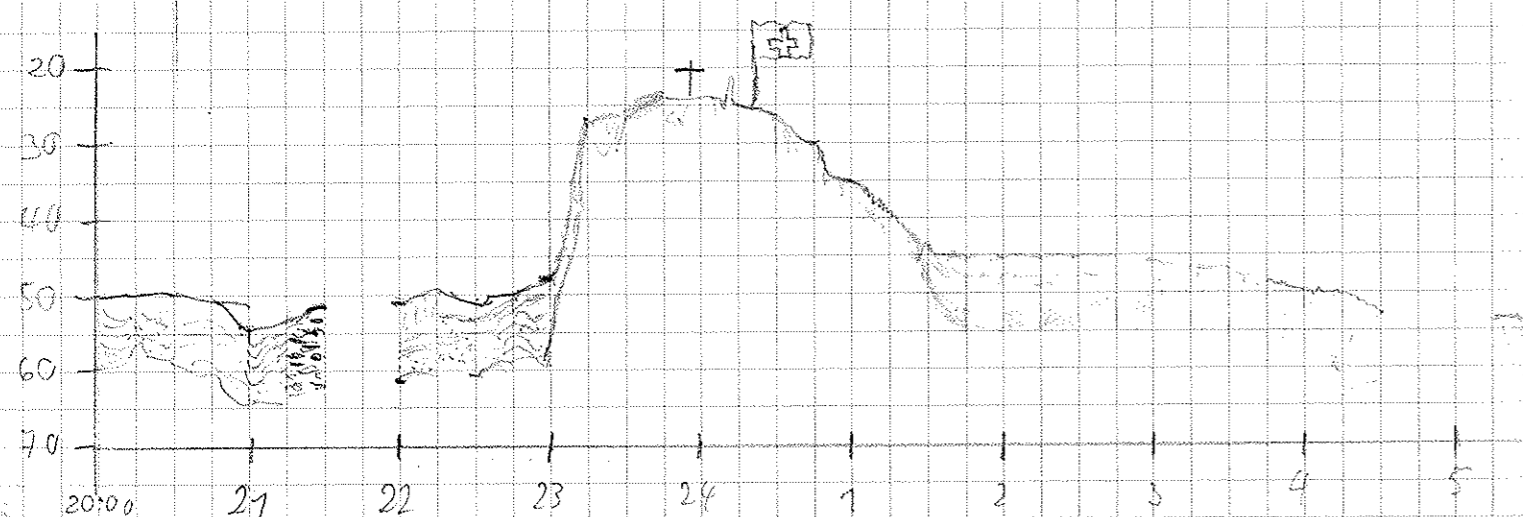
Date	Time <GMT>	Latitude <°N>	Longitude <°E>	Speed <kn>	Course <°>	Depth PS <cm>	Depth HS <cm>	Frequency	Puls	Range	Record Length	Wait time	Deso No.	Temp No.	Watcher Name	
2.08.98	16:00	74° 28.7	131° 00.6	3.4	267.4	30.3	28.5	4	2	100	100	0	8	88	Binder	
	Start 15:58	15	74° 28.0	130° 56.2	5.3	267.8	27.4	25.6	u	"	"	"	"	"	"	
		30	74° 28.9	130° 51.0	5.6	257.3	25.6	24.1	"	"	"	"	"	"	"	Signalton hat
		45	74° 28.6	130° 46.2	5.4	260.6	28.4	23.4	"	"	"	"	"	"	"	Ausfall
	17:00	74° 28.4	130° 41.2	5.6	257.7	25.6	24.9	"	"	"	"	"	"	"	"	
		15	74° 28.0	130° 36.1	5.7	252.5	25.8	23.3	"	"	"	"	"	"	"	
		30	74° 27.6	130° 31.2	5.5	252.7	25.5	23.6	"	"	"	"	"	"	"	
		45	74° 27.1	130° 26.2	5.6	259.1	25.6	25.7	"	"	"	"	"	"	"	
	18:00	74° 26.9	130° 20.5	5.5	261.6	24.3	22.5	"	"	"	"	"	"	"	"	
		15	74° 26.7	130° 16.0	5.8	263.3	24.7	22.2	"	"	"	"	"	"	"	
		30	76° 26.5	130° 10.6	5.8	262.9	23.6	21.7	"	"	"	"	"	"	"	
		45	76° 26.4	130° 05.4	5.7	264.7	23.3	21.7	"	"	"	"	"	"	"	18 ²³ Bandwechsel
	19:00	74° 26.6	130° 00.2	5.5	259.0	23.5	21.6	"	"	"	"	"	"	89	"	88 → 89
		15	74° 25.9	129° 55.1	5.6	260.6	23.2	21.6	"	"	"	"	"	"	"	
		30	74° 25.6	129° 49.8	6.0	257.4	22.7	21.9	"	"	"	"	"	"	"	
		45	74° 25.4	129° 44.4	6.0	258.8	22.1	20.3	"	"	"	"	"	"	"	
	20:00	74° 25.1	129° 39.1	6.2	259.8	22.5	20.9	"	"	"	"	"	"	"	"	
		15	74° 24.8	129° 33.4	6.1	262.0	21.4	28.0	"	"	"	"	"	"	"	Diebe
		30	74° 24.6	129° 27.7	6.2	260.7	21.8	20.9	"	"	"	"	"	"	"	
		45	74° 24.4	129° 22.1	6.2	261.2	22.2	20.4	"	"	"	"	9	"	"	Deso Wechsel 8 → 9
	21:00	74° 24.2	129° 17.1	5.2	261.3	21.9	20.5	"	"	"	"	"	"	"	"	
		15	74° 23.8	129° 12.3	5.6	257.1	21.4	28.9	"	"	"	"	"	"	"	
		30	74° 23.6	129° 07.2	5.4	264.2	22.1	20.4	"	"	"	"	"	"	"	
		45	74° 23.5	129° 02.3	5.3	266.0	23.1	21.4	"	"	"	"	"	90	"	Bandwechsel 89 → 90
	22:00	74° 23.4	128° 57.4	5.4	263.9	24.7	24.6	"	"	"	"	"	"	"	"	
		15	74° 23.1	128° 52.4	5.0	260.9	28.3	26.3	"	"	"	"	"	"	"	
		30	74° 22.9	128° 47.5	5.9	259.6	34.8	35.9	"	"	"	"	"	"	"	
		45	74° 22.6	128° 42.2	5.4	258.8	38.7	37.8	"	"	"	"	"	"	"	
	23:00	74° 22.4	128° 37.3	5.5	262.1	38.4	38.0	"	"	"	"	"	"	"	"	
		15	74° 22.1	128° 32.2	5.6	261.9	36.6	37.3	"	"	"	"	"	"	"	
		30	74° 21.3	128° 31.7	5.7	135.6	36.2	38.3	"	"	"	"	"	"	"	
		45	74° 20.3	128° 34.9	5.6	142.5	35.5	33.6	"	"	"	"	"	"	"	
	0:00	74° 19.2	128° 38.0	5.4	142.4	35.6	33.7	"	"	"	"	"	"	"	"	
		15	74° 18.0	128° 40.9	5.6	141.7	34.1	39.0	"	"	"	"	"	"	"	Salmon
		30	74° 17.0	128° 43.9	5.6	138.1	26.3	24.8	"	"	"	"	"	"	"	
		45	74° 15.9	128° 47.1	5.8	138.1	22.0	20.5	"	"	"	"	"	"	"	
	1:00	74° 14.7	128° 46	6.0	135.3	23.0	21.5	"	"	"	"	"	"	91	"	00:58 Temp changed 80 → 91 00:56 Station



Date	Time	Latitude	Longitude	Speed	Course	Depth	Depth	Frequency	Range	Record Length	Wait Time	Deso No	Tape No	Wreck Name	Station
	<GMT>	<°N>	<°E>	<kn>	<°>	BS<M>	HS<M>								
03/08/90	01:15	74°15.4	128°46.1	6.8	19.3	27.5	20.6	4	100	100	0	49	91	Schröder	Station 81/091
	30													Schröder	Station
	45													Schröder	Station
	02:00	74°16.6	128°46.9	9.8	19.7	28.8	20.8	4	"	"	"	"	"	"	
	15	74°19.2	128°49.4	10.6	3.3	22.7	21.4	4	"	"	"	"	"	"	
	30	74°19.6	128°53.7	10.3	44.2	22.7	21.3	4	"	"	"	"	"	"	
	45	74°13.7	129°01.7	11.2	60.1	22.6	22.5	4	"	"	"	"	"	"	
	03:00	74°13.8	129°11.9	11.4	81.6	20.9	28.0	4	"	"	"	"	"	"	
	15	74°24.2	129°22.9	10.7	81.5	21.6	27.9	4	"	"	"	"	"	"	
	30	74°24.5	129°31.7	10.6	83.8	20.7	28.1	4	"	"	"	"	"	"	
	45	74°24.8	129°41.1	10.7	82.9	21.0	28.9	4	"	"	"	"	"	"	
	04:00	74°24.8	129°51.4	10.8	101.4	21.5	29.0	4	"	"	"	"	92	"	Tape 91 → 92
	15	74°24.3	130°01.5	11.0	100.9	21.5	28.3	4	"	"	"	"	"	Strohl	
	30	74°23.7	130°11.4	11.0	106.7	21.5	29.5	4	"	"	"	"	"	"	
	45	74°23.0	130°19.7	3.3	139.2	24.7	22.4	4	"	"	"	"	"	"	
	05:00														
	15	74°22.8	130°19.0	7.4	319.1	24.1	27.4	4	"	"	"	"	"	"	
	30	74°24.7	130°14.5	9.1	228.9	23.0	21.7	4	"	"	"	"	"	"	
	45	74°26.7	130°09.7	9.5	223.8	23.5	24.8	4	"	"	"	"	"	"	
	06:00	74°28.5	130°04.5	9.4	324.5	27.4	27.1	4	"	"	"	"	"	"	
	15	74°30	129°58	9.8	325	35.5	35.0	4	"	"	"	"	"	"	
	30	74°32	129°53	10.0	322.6	34.2	34.9	4	"	"	"	"	"	"	
	45	74°34	129°48	8.1	324	38.2	38.9	4	"	"	"	"	"	"	
	07:24	74°35	129°47	7.4	084	33.5	36.2	4	"	"	"	"	"	"	
	07:45	74°35	129°59	8.9	089	32.5	33.2	4	"	"	"	"	93	"	Tape 92 → 93
	08:00	74°35	130°07	3.9	085	32.1	36.2	4	"	"	"	"	"	"	Station 51/093 - Station 51/095
											80				
04/08/90	04:15	74°42.6	129°31	2.6	794	36.3	32.8				0			Nimm	Deso # 9 → 10
	05:28	74°46	129°12	-	-	39.2	43.3				60	10		"	Station 51/096
	06:00	74°45.9	129°13.9	6.0	39.7	39.0	37.1	4	"	"	0	"	"	Drachen	End of 21/096
	15	47.9	15.5	5.9	17	32.6	40.6	4	"	"	"	"	"	"	
	30	49.9	19.2	5.7	37	40.0	41.8	4	"	"	"	"	"	"	
	45	51.8	25.1	9.7	35.6	40.3	41.2	4	"	"	"	"	"	"	
	07:00	53.8	30.5	10.1	35	40.7	41.4	4	"	"	"	"	"	"	
	15	56.2	36.5	9.4	28.5	41.1	43.7	4	"	"	"	"	94	"	Tape 93 → 94
	30	57.6	40.7	5.6	51.4	41.3	24	4	"	"	"	"	"	"	



Day	UTC ↓ Time GMT	Lat (N)	Long (E)	Speed (kn)	Course (C)	Depth PSm	Depth HS m	Frequency KHz	Pulse	Range	Record Length	Wait time	Desr No	Tape No	Label	Notes
16:	20:15	75°41.6	129°46	10.7	69°	49.8	48.1	4	2	100			10	95	Baud	
16:	20:30	75°42.3	129°53.7	10.1	67°3	50.5	48.9	4	"	"			"	"	"	
17:	21:00	75°44.7	130°54	8.1	55.5	54.1	46.6	10	"	"			"	"	"	
17:	21:15	75°45.0	130°19.4	6.6	74.8	52.5	52.6	11	"	"			"	97	"	has tape 96-97
17:	21:30	75°45.0	130°20.7	0.7	137.0	52.3	52.7	10	"	"			"	"	"	
18:	22:00	75°45.5	130°24.0	6.1	36.6	51.1	28.3	10	"	"			"	"	"	
18:	22:15	75°46.1	130°30.5	8.7	74.0	48.5	48.5	10	"	"			"	"	"	
18:	22:30	75°46.5	130°36.9	6.8	74.6	51.1	-	10	"	"			"	"	"	
18:	22:45	75°47.3	130°40.3	6.4	40.7	49.5	-	10	"	"			"	"	"	
19:	23:00	75°48.1	130°49.3	15.1	107.0	47.7	-	10	"	"			"	"	"	
19:	23:15	75°49.0	131°01.5	9.7	86.3	29.0	27.0	11	"	"			"	"	"	
19:	23:30	75°48.8	131°11.3	9.6	80.0	26.1	26.9	10	"	"			"	"	"	
19:	23:45	75°49.0	131°18.9	3.1	143.0	23.7	21.5	10	"	"			"	"	"	
	20:00	Station														
	20:15	75°49.5	131°21.2	9.6	12.3	23.7	21.9	"	"	"			"	"	"	
	20:30	75°52.3	131°25.3	13.0	75.8	28.4	27.2	"	"	"			"	98	Wolman	Wolman changed tape 97-98
	20:45	Operator	not	11.1	131.0	31.1	-	"	"	"			"	"	"	
5.08.98	21:00	75°58.4	131°26.7	11.3	41.7	34.3	32.4	"	"	"			"	"	"	
	21:15	76°01.0	131°31.5	13.0	24.1	40.4	40.3	"	"	"			"	"	"	
	21:30	76°04.0	131°33.8	10.5	17.0	43.6	43.1	"	"	"			"	"	"	
	21:45	76°06.5	131°37.0	10.4	11.8	41.5	46.1	"	"	"			"	"	"	
	22:00	76°09.1	131°39.1	10.2	3.6	44.8	44.9	"	"	"			"	"	"	
	22:15	76°11.5	131°42.6	11.3	50.8	45.2	48.0	"	"	"			"	"	"	
	22:30	76°13.8	131°45.1	6.6	352.2	-	-	"	"	"			"	"	"	
	22:45	76°15.8	131°45.4	7.8	7.5	46.3	-	"	"	"			"	"	"	
	23:00	76°17.6	131°47.6	5.6	70.3	47.1	-	"	"	"			"	"	"	
	23:15	76°18.9	131°49.2	6.6	8.0	46.5	-	"	"	"			"	"	"	
	23:30	76°20.2	131°52.4	10.3	43.5	47.6	-	"	"	"			"	"	"	
	23:45	76°22.4	131°55.9	10.4	43.9	48.1	-	"	"	"			"	99	"	Changed tape 98-99
0	4:00	76°25.6	131°58.4	9.1	15.2	50.0	25.3	"	"	"			"	"	Binder	
0	4:15	76°28.0	131°60.0	11.7	10.6	51.2	22.3	"	"	"			"	"	"	
0	4:30	76°30.5	132°00.2	6.0	315.8	52.5	26.4	"	"	"			"	"	"	
0	4:45															
1	8:00															
1	8:15	76°30.0	132°00.5	11.0	179.2	52.2	25.3	"	"	"			"	"	"	
1	8:30	76°27.2	132°01.1	9.2	173.1	50.7	25.5	"	"	"			"	"	"	
1	8:45	76°24.1	132°00.1	14.7	180.0	49.0	25.6	"	"	"			"	"	"	
2	8:00	76°21.3	132°00.6	9.9	180.1	47.9	29.8	"	"	"			"	"	"	



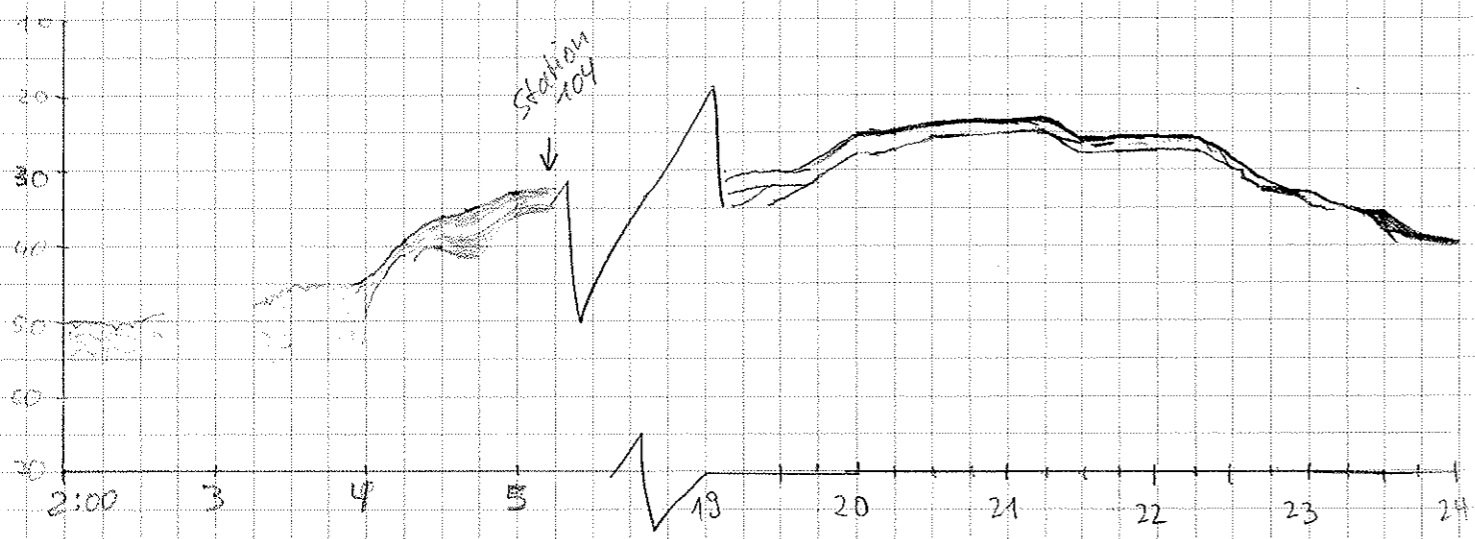
0⁰⁰ Station PS 511102
 Latitude 76° 31.2
 Longitude 132° 00.3
 East of Station 1⁰⁰

Date	Time	Latitude <°N>	Longitude <°E>	Speed <kn>	Course <°>	Depth PS<m>	Depth HS<m>	Frequency <kHz>	Pulse	Range	Record Length	Wait- time	Desc- No.	Tape- No.	Watcher	
5.08.98	2:15	76°18.6	131°59.4	10	212.8	46.8	25.9	4	2	100	100	0	11	99	Binder	
	2:30	76°16.8	131°59.7	6.7	177.9	46.8	27.6	4	"	"	"	"	"	"	"	
	2:45															
	3:00															
	3:15	76°15.2	132°02.0	13.1	183.9	47.3	27.0	4	"	"	"		"	100	"	
	3:30	76°12.3	132°02.2	12.1	172.4	44.8	29.1	4	"	"	"		"	"	"	
	3:45	76°09.7	132°04.0	9.8	177.8	44.7	25.6	4	"	"	"		"	"	"	
	4:00	76°06.8	132°04.7	14.5	173.9	44.4	25.1	4	"	"	"		"	"	"	
	15	76°03.4	132°06.6	40.8	166.7	39.3	25.3	4	"	"	"		"	"	Didie	
	30	76°00.9	132°07.8	12.7	167.8	36.1	35.9	4	"	"	"		"	"	"	
	45	75°58.2	132°08.8	6.9	164.6	34.2	32.5	4	"	"	"	11	"	"	"	
	5:00	75°57.7	132°08.5	1.4	139.3	33.7	34.2	4	"	"	"	11	"	"	"	
	15	75°57.7	132°08.7	0.3	64.2	33.7	34.0	4	"	"	"	60	"	"	"	
	5.8.98	19:10	75°56	132°07	8.5	174	32.0	32.7	4	"	"	"		11	101	Nimmer
		19:30	75°54	132°06	9.4	173	28.1	28.0	4	"	"	"		"	"	-
19:45									"	"	"		12	"	-	
20:00		75°49.4	132°01.8	9.1	177.2	25.0	24.9	4	"	"	"		"	"	Helmut	
15		75°47.2	132°01.7	5.9	152.1	23.9	24.1	4	"	"	"		"	"	"	
30		75°45.7	132°00.9	4.8	120.3	23.6	22.5	4	"	"	"		"	"	"	
45		75°45.6	132°02.3	3.2	59.5	23.5	22.6	4	"	"	"		"	"	"	
21:00		75°46.4	132°03.7	5.2	351.7	23.6	22.6	4	"	"	"		"	"	"	
15		75°47.8	132°02.3	5.5	338.8	24.5	23.6	4	"	"	"		"	"	"	
30		75°49.1	132°01.6	6.3	358.5	25.3	25.0	4	"	"	"		"	"	"	
45		75°50.5	132°00.7	5.8	354	28.1	24.3	4	"	"	"		"	"	"	
22:00		75°52.1	132°01.5	6.1	10.5	26.0	24.6	4	"	"	"		"	"	"	
15		75°53.5	132°02.9	5.8	13.3	26.2	25.7	4	"	"	"		"	"	"	
30		75°54.9	132°02.9	5.5	358.7	29.6	28.3	4	"	"	"		"	"	"	
45		75°56.5	132°03.8	5.6	3	31.8	23.4	4	"	"	"		"	102	"	
23:00	75°57.9	132°01.5	6.3	7.3	33.9	32.8	4	"	"	"		"	"	"		
15	75°59.5	132°04.7	6.6	358.4	35.1	34	4	"	"	"		"	"	"		
30	76°00.9	132°04.6	5.7	334.8	36.0	34.4	4	"	"	"		"	"	"		
45	76°02.5	132°05.1	6.2	9	37.9	37	4	"	"	"		"	"	"		
0:00	76°03.3	132°05.9	6	10.1	40.3	29.1	4	"	"	"		"	"	"		

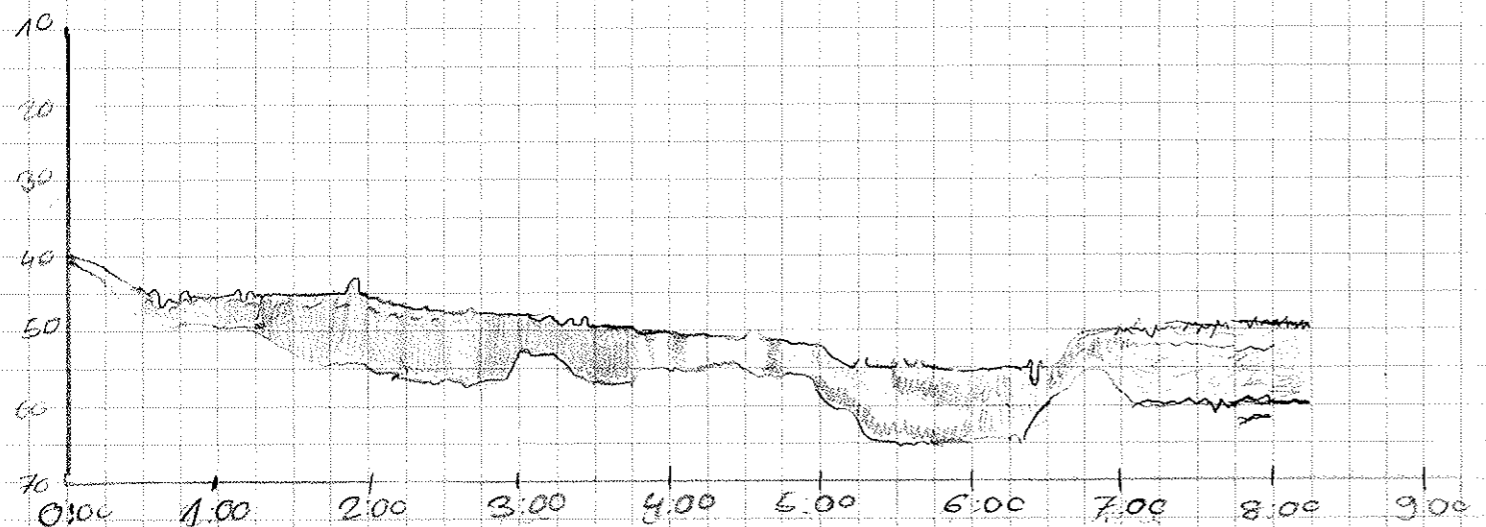
2nd Station PS 51/103
 Latitude 76°16.4
 Longitude 132°00.2
 End of Station 3rd
 Change Tape 99 → 100
 Long 83

Station PS 51/104
 Tape 100 → 101
 End of Station
 Desc Colls → 12

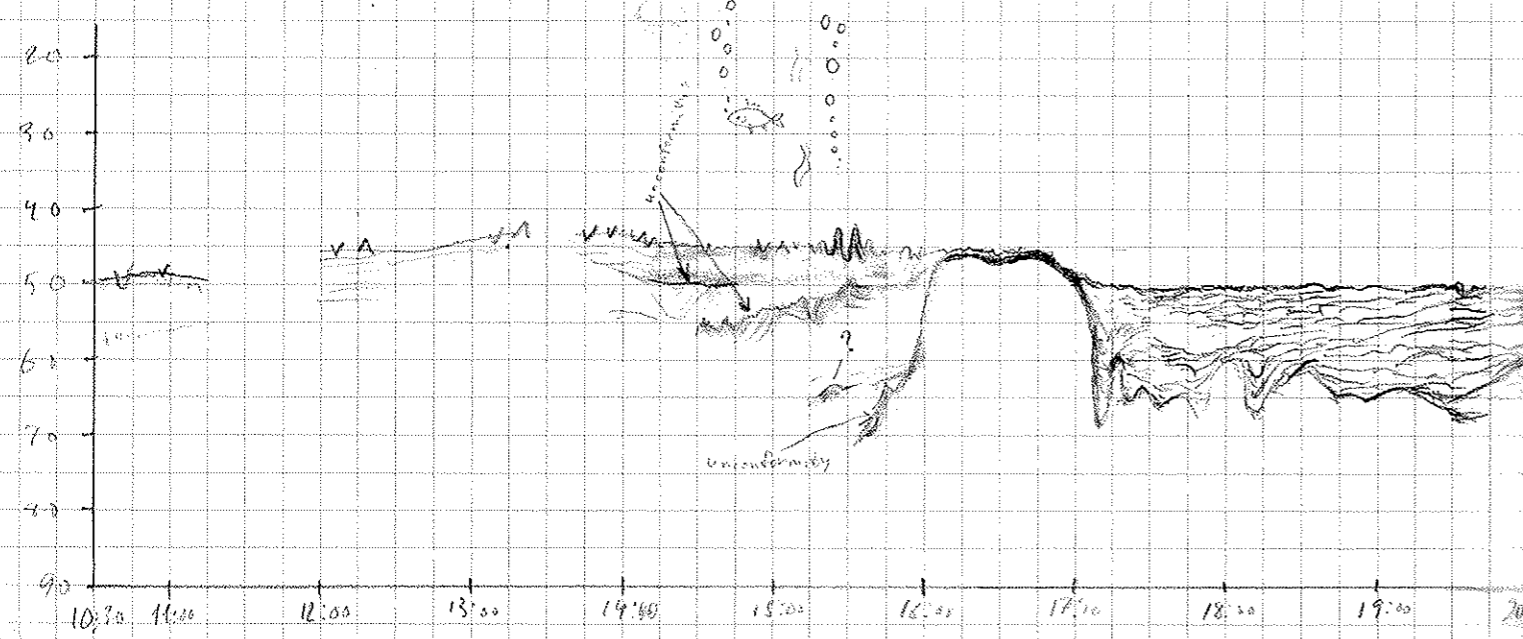
Tape 101 → 102



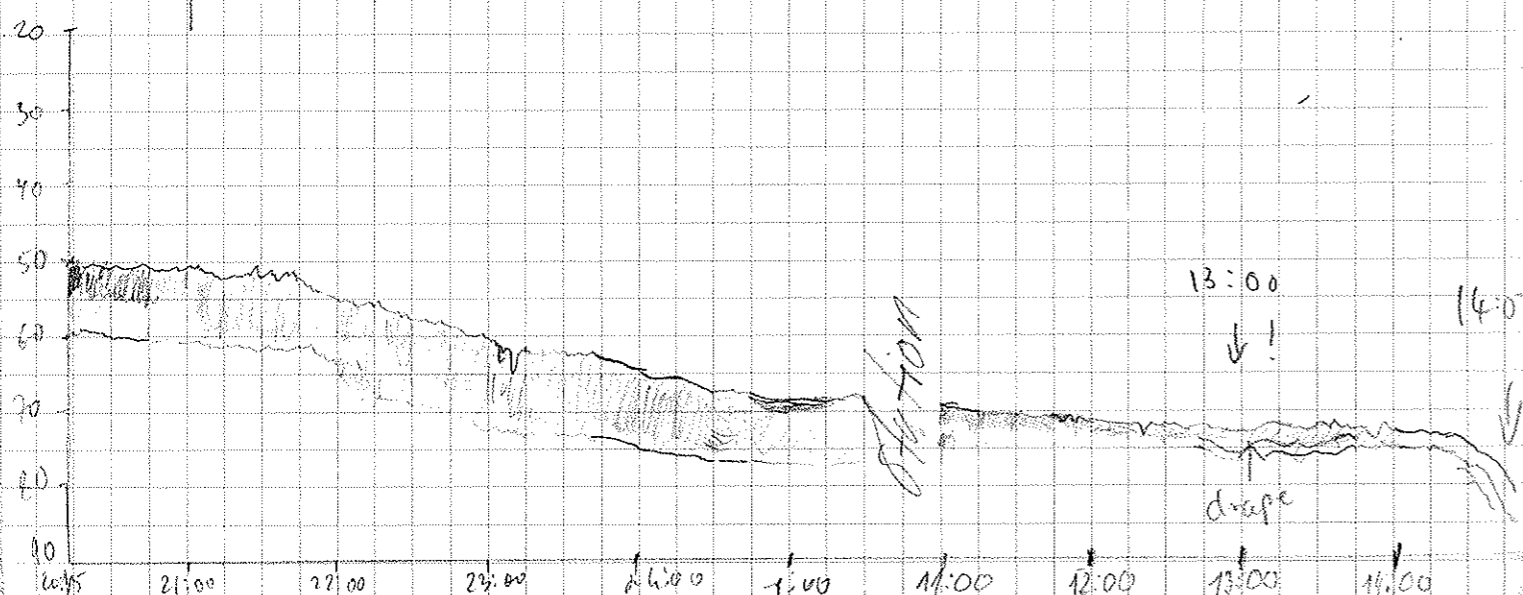
Date	time	Latitude [°N]	Longitude [°E]	Speed [kn]	Course [°]	Depth PSE [m]	Depth HS [m]	Frequenz [kHz]	Pulse	Range	Record length	Wait time	Desc No	Tape No	Watches	notes
6898	0:15	76°05.56	132°06.32	6.9	06	43m	42.5	4	2	100	100	0	1312	102	Hä-Lu	
"	0:30	07.17	06.38	6.3	359.1	44.5	46.7	"	"	"	"	"	"	"	"	
"	0:45	08.46	06.43	6.9	3.3	45.3	47.7	"	"	"	"	"	"	"	"	
"	1:00	10.01	06.10	5.1	355.6	44.7	24.4	"	"	"	"	"	"	"	"	
"	1:15	11.42	06.47	5.7	2.6	44.9	26.4	"	"	"	"	"	"	"	"	
"	1:30	12.80	06.85	6.2	12.0	45.1	26.8	"	"	"	"	"	"	"	"	
"	1:45	14.22	07.97	4.4	347.7	45.3	25.1	"	"	"	"	"	"	103	"	changed tape 102 → 103
"	2:00	15.62	07.94	7.0	9.1	45.9	26.0	"	"	"	"	"	"	"	"	
"	2:15	17.16	08.51	2.8	32.5	46.9	26.2	"	"	"	"	"	"	"	"	
"	2:30	18.55	08.94	5.2	358.6	47.2	25.3	"	"	"	"	"	"	"	"	
"	2:45	19.90	08.47	5.2	313.8	48.2	25.6	"	"	"	"	"	"	"	"	
"	3:00	21.34	07.75	5.9	338.5	48.2	25.6	"	"	"	"	"	"	"	"	
"	3:15	23.12	08.37	5.6	18.2	49.7	25.3	"	"	"	"	"	"	"	"	
"	3:30	24.70	09.85	5.7	18.0	49.8	25.4	"	"	"	"	"	"	"	"	
"	3:45	25.55	10.34	2.8	24.2	50.7	25.3	"	"	"	"	"	"	"	"	
"	4:00	76°25.57	132°10.21	0.3	292.0	50.6	27.9	"	"	"	"	"	"	"	Wagner	PS don't blow
"	4:15	76°25.41	132°08.51	11.2	288.6	50.0	27.4	"	"	"	"	"	"	"	"	
"	4:30	26.34	07.15	4.1	1.1	50.9	54.2	"	"	"	"	"	"	"	"	
"	4:45	27.77	08.21	6.3	18.3	51.9	49.4	"	"	"	"	"	"	"	"	
"	5:00	29.02	09.66	6.2	62.3	53.0	51.3	"	"	"	"	"	"	104	"	changed tape 103 → 104
"	5:15	30.17	11.42	6.6	316.6	54.8	56.4	"	"	"	"	"	"	"	"	
"	5:30	31.35	07.71	5.9	316.7	54.7	56.2	"	"	"	"	"	"	"	"	
"	5:45	32.63	06.01	6.1	359.0	55.3	57.1	"	"	"	"	"	"	"	"	
"	6:00	33.94	02.96	6.2	349.0	55.5	57.0	"	"	"	"	"	"	"	"	
"	6:15	76°35.35	132°04.23	5.8	14.7	55.1	56.8	"	"	"	"	"	"	"	Dudy	
"	6:30	76°36.52	132°02.72	5.5	76.8	52.8	59.7	"	"	"	"	"	"	"	"	
"	6:45	37.54	10.88	5.7	32.0	51.3	24.8	"	"	"	"	"	"	"	"	
"	7:00	38.93	13.13	6.3	5.9	49.7	50.2	"	"	"	"	"	"	"	"	
"	7:15	40.69	12.13	6.3	335.1	50.2	49.8	"	"	"	"	"	"	"	"	
"	7:30	42.15	09.79	5.8	14.7	49.2	26.0	"	"	"	"	"	"	"	"	
"	7:45	76°43.53	132°12.96	5.5	45.4	48.9	26.9	"	"	"	"	"	"	"	"	
"	8:00	76°44.51	132°15.77	8.2	338.4	48.9	28.3	"	"	"	"	"	"	"	"	changed Tape 104 → 105
"	8:15	76°45.361	132°08.682	8.6	241.4	48.9	27.5	"	"	"	"	"	"	105	"	
"	8:46	78°45	132°01	10	262	48.9	26.7	"	"	"	"	"	13	"	Kholoden Niemer	S. 23 Station Pawsonaltee höngt Deso 13 → 14 12 → 13
"	9:00											60				
"	9:15															
"	9:30															
"	9:45															



Date	Time	Latitude [°N]	Longitude [°E]	Speed [Kn]	Course [°]	Depth PS [m]	Depth HS [m]	Frequency [kHz]	Pulse	Range	Record Length	Wait Time	Deso No.	Tape No.	Watch Name	NOTES
06.08.98	10:35	76°44.1	131°58.3	10	134	49	55	4	2	100	100	0	13	105	Drocher	PS turned to CRcisly
	:45	43.5	132°04.2	10.2	88	49	47	"	"	"	"	"	"	"	"	"
	11:00	44.8	13.9	7.1	73	49	42.6	"	"	"	"	"	"	"	"	"
	:15	42.7	05.8	8.3	325	49	25.3	"	"	"	"	"	"	"	"	"
	:30	43.3	08.7	9.6	38.9	48.9	49	"	"	"	"	"	"	"	"	"
	:45	44.3	12.2	5.5	40.1	49	49	"	"	"	"	"	"	"	"	"
	12:00	76°45.28'N	132°16.72'E	5.6	64.2	49	43	8	"	"	"	"	"	"	"	"
	12:15	76°45.63'N	132°22.74'E	5.7	145.0	45.8	40.8	"	"	"	"	"	"	"	V. Larcker	9 12:15
	12:30	76°44.55'N	132°25.85'E	5.8	108	45.2	44.7	"	"	"	"	"	"	"	-11-	Newstart Pararound
	12:45	76°44.27'N	132°32.16'E	5.2	73	44.1	27.1	"	"	"	"	"	"	"	-11-	
	13:00	76°44.8'N	132°39.3'E	5.6	63.4	43.2	28.7	"	"	"	"	"	"	106	-11-	Tapwechsel 13:09 105→106
	13:15	76°45.7'N	132°43.8'E	10.2	76.5	42.0	27.2	"	"	"	"	"	"	"	-11-	
	13:30	76°46.7'N	132°48.9'E	6.0	28.8	41.6	40.9	"	"	"	"	"	"	"	-11-	
	13:45	76°48.2'N	132°48.4'E	6.3	333.0	41.6	37.5	"	"	"	"	"	"	"	-11-	
	14:00	76°49.6'N	132°45.7'E	6.2	343.5	42.0	41.9	"	"	"	"	"	"	"	-11-	
	:15	76°50.6	132°42.8	5.1	322.4	43.3	45.7	"	"	"	"	"	"	"	-11-	E. Guser
	:30	76°51.8	132°39.0	5.5	326.0	43.7	43.0	"	"	"	"	"	"	"	-11-	
	:45	76°53.0	132°35.5	5.3	326.8	44.8	26.8	"	"	"	"	"	"	"	-11-	
	15:00	76°54.3	132°32.6	5.1	332.0	44.9	25.3	"	"	"	"	"	"	"	-11-	
	:15	76°55.4	132°30.0	5.4	346.0	42.6	44.3	"	"	"	"	"	"	"	-11-	
	30	76°56.6	132°27.0	7.2	317.7	43.4	43.9	"	"	"	"	"	"	"	-11-	
	:45	76°57.8	132°22.3	5.6	317.8	43.4	43.1	"	"	"	"	"	"	"	-11-	
	16:00	76°59.0	132°19.3	5.4	309.4	45.0	46.0	"	"	"	"	"	"	"	-11-	
	:15	77°00.2	132°15.5	6.4	345.0	44.9	27.0	"	"	"	"	"	"	"	-11-	Tabletowa
	:30	77°01.6	132°13.5	5.4	354.4	44.8	34.1	"	"	"	"	"	"	107	-11-	Tap change: 106→107
	:45	77°02.7	132°08.9	6.4	291.8	45.8	47.1	"	"	"	"	"	"	"	-11-	
	17:00	77°03.7	132°03.6	5.7	311.3	49.3	48.0	"	"	"	"	"	"	"	-11-	
	:15	77°05.0	132°59.2	7.5	338.8	51.3	49.4	"	"	"	"	"	"	"	-11-	
	:30	77°05.6	132°02.5	5.2	72.1	51.4	48.7	"	"	"	"	"	"	"	-11-	
	:45	77°06.2	132°08.2	5.9	27.2	51.0	26.6	"	"	"	"	"	"	"	-11-	
	18:00	77°07.1	132°12.8	6.0	51.0	49.8	26.1	"	"	"	"	"	"	"	-11-	
	:15	77°08.6	132°13.4	6.5	20.7	50.3	25.3	"	"	"	"	"	"	"	-11-	
	:30	77°09.5	132°18.1	3.5	25.7	49.9	24.9	"	"	"	"	"	"	"	-11-	
	:45	77°10.1	132°18.4	1.3	340.9	50.1	25.4	"	"	"	"	"	"	"	-11-	
	19:00														-11-	
	:15	77°10.3	132°17.8	0.6	235.6	50.3	25.0	"	"	"	"	"	"	"	-11-	Station PS-51/112
	:30	77°10.2	132°18.3	2.3	132.2	50.1	25.3	"	"	"	"	"	"	"	-11-	
	:45	77°10.3	132°18.3	4.6	332.4	50.1	25.9	"	"	"	"	"	"	"	-11-	
	20:00	77°11.6	132°16.9	8.8	23.0	50.7	27.1	"	"	"	"	"	"	108	-11-	tap change 107→108



Date	Time	Latitude [N]	Longitude [E]	Speed (Kts)	Course [°]	Depth PS [m]	Depth HS [m]	Frequency [kHz]	Pause	Range	Record Length	Wait Time	Deso No	Tape No	Watch Name	NOTES
0.08.98	20:15	77°12.885	132°22.430	5.5	41.9	51.7	26.2	4	2	100	100	12	108	108	Kholodov	
	20:30	77°14.195	132°26.808	6.2	26.3	52.3	27.6	"	"	"	"	"	"	"	"	"
	20:45	77°15.396	132°30.678	6.0	43.0	52.7	27.3	"	"	"	"	"	"	"	"	"
	21:00	77°16.447	132°35.269	6.4	38.6	52.9	25.5	"	"	"	"	"	"	"	"	"
	21:15	77°17.417	132°39.437	6.3	24.5	52.9	25.5	"	"	"	"	"	"	"	"	"
	21:30	77°18.219	132°36.638	5.4	325.9	54.6	25.5	"	"	"	"	"	"	"	"	"
	21:45	77°20.126	132°32.703	5.9	325.3	54.8	25.5	"	"	"	"	"	"	"	"	"
	22:00	77°21.505	132°33.100	6.2	6.0	56.9	27.5	"	"	"	"	"	"	"	"	"
	22:15	77°22.92	132°30.845	6.0	314.0	60.5	26.3	"	"	"	"	"	"	"	"	"
	22:30	77°23.890	132°25.894	6.1	313.5	61.5	26.7	"	"	"	"	"	"	"	"	"
	22:45	77°25.436	132°24.428	5.7	8.4	62.9	23.7	"	"	"	"	"	"	"	"	"
	23:00	77°26.598	132°26.697	6.3	50.4	62.0	25.6	"	"	"	"	"	"	"	"	"
	23:15	77°27.962	132°23.355	5.8	7.4	62.4	25.3	"	"	"	"	"	"	"	"	"
	23:30	77°29.303	132°30.164	5.0	366.2	63.2	25.4	"	"	"	"	"	"	"	"	"
	23:45	77°31.084	132°30.962	7.0	350.1	64.2	25.6	"	"	"	"	"	"	"	"	"
07.08.98	0:00	77°32.678	132°31.802	7.3	2	64.9	27.3	"	"	"	"	"	"	108	Bound Tape 108 → 109	
	0:15	77°34.2	132°30.1	6.5	3	65.5	25.5	"	"	"	"	"	"	"	"	"
	0:30	77°35.5	132°30.9	5.3	355	66.8	-	"	"	"	"	"	"	"	"	"
	0:45	77°37.0	132°29.9	5.0	348	67.5	-	"	"	"	"	"	"	"	"	"
	1:00	77°37.3	132°26.7	5.8	155.1	67.5	-	"	"	"	"	"	"	"	"	"
	1:15															
	1:30	77°35.7	132°29.8	3.9	83	66.7	-	"	"	"	"	"	13	"	"	Deso 13 → 14
	1:45												14	"	"	
	2:00															
	11:00	77°36.9	132°11.2	5.4	337.6	68.2	68.8	4	2	100	100	0	14	109	Schöck	
	11:15	77°38.36	132°13.60	5.9	381.1	70.4	74.5	"	"	"	"	"	"	"	"	"
	11:30	77°39.9	132°13.12	5.6	351.0	70.3	69.4	"	"	"	"	"	"	"	"	"
	11:45	77°40.9	132°14.4	5.5	59.7	71.6	70.8	"	"	"	"	"	"	"	"	"
	12:00	77°42.4	132°15.8	5.8	330.2	74.2	71.0	"	"	"	"	"	"	"	"	"
	12:15	77°42.8	132°21.9	6.3	42.1	73.9	74.4	"	"	"	"	"	"	"	"	"
	12:30	77°44.1	132°20.6	6.8	350.3	72.6	69.5	"	"	"	"	"	"	"	"	"
	12:45	77°45.3	132°16.3	5.0	310.7	75.2	74.3	"	"	"	266	"	"	"	"	"
	13:00	77°46.6	132°12.9	5.4	343.4	79.7	79.5	"	"	"	"	"	"	"	"	"
	13:15	77°47.9	132°10.8	5.2	80	76.9	79.5	"	"	"	"	"	"	"	"	"
	13:30	77°49.3	132°10.6	7.1	28.7	78.1	76.3	"	"	"	"	"	"	"	"	"
	13:45	77°50.8	132°12.6	5.6	42.2	82.1	81.2	"	"	"	"	"	"	"	"	"
	14:00	77°51.5	132°13.4	7.0	2.3	90.0	89.0	"	"	"	"	"	"	"	"	109 → ? Tape 100 → 111 Station 500m Wanna to je



Date	Time (GMT)	Latitude (N)	Longitude (E)	Speed (kn)	Course (°)	Depth PS	Depth HS	Freq kHz	Pulse	Range	Record Length	Wait Time	Deso No	Tape No	Watcher	Notes	
07.08.98	18:00	77°54.9'	132°06.4	5.0	198	47	322	4	2	500	100	0	19	111	Drachen		
	18:15	53.5	07.7	10.5	117	163	168	11	"	"	"	"	"	"	"	range → 100	
	18:30	51.9	08.3	4.2	232	85.6	85.8	"	"	"	"	"	"	"	"		
	18:45	49.8	09.2	7.0	129	80	80.2	"	"	"	"	"	"	"	"	18:55 - station	
	19:00																
	19:15																
	19:30																
	19:45																
	20:00																
	20:15																
	20:30																
	20:45																
	21:00	77°50.3	132°11.6	9.5	326	84	77	77	11	10	"	"	0	"	"	"	End of station
	21:15	52.3	12.8	9.9	12.3	85	85	85	12	"	"	"	"	"	"	"	
	21:30	53.8	12.2	4.6	220	0	142	142	"	"	"	"	0 60	"	"	"	Station
21:45																	
22:00																	
22:15	77°53.3	132°12.7	6.3	10.5	108	111	111	11	"	"	"	0	"	"	"		
22:30																	
22:45																	
23:00																	
23:15																	
23:30																	
08.08.98	0:30																
	0:45																
	1:30	77°53.4	132°11.9	0.5	155.7	117.9	118.8	11	"	"	"	0	"	"	"	End of station	
	1:45	77°53.3	11.3	0.7	127.0	115.2	117.0	11	"	"	"	"	"	"	"		
	2:00	53.0	06.7	4.4	346.3	139.9	145.2	11	"	"	"	"	"	"	"		
	2:15	54.4	05.0	5.4	359.6	284.4	291.2	11	"	"	"	"	"	"	"		
	2:30	56.0	03.2	5.6	341.5	561.8	538.3	11	"	"	"	"	"	"	"		
	2:36	56.3	02.3	6.8	324.5	561.8	592.7	"	"	1000	"	"	"	"	"		
	2:45	56.9	131°59.7	5.0	307.1	722.9	723.0	"	"	"	"	"	"	"	"		
	3:00	77°57.8	131°55.0	6.4	313.1	877.2	877.9	11	"	"	"	"	"	"	"		
	4:15	77°58.7	131°50.7	5.5	28.6	1014.5	1020	"	"	"	"	"	"	"	"		
	4:30	77°59.7	131°47.6	5.3	246.5	1020	1121	"	"	2000	"	"	"	"	"		
	4:45	77°59.9	131°41.5	6.6	314.3	851.6	1218	"	"	"	"	"	"	"	"		
	5:00	78°00.7	131°35.6	6.0	297.1	1271.5	1321	"	"	"	"	"	"	"	"		

End of station

Station

Tape 111 → 112

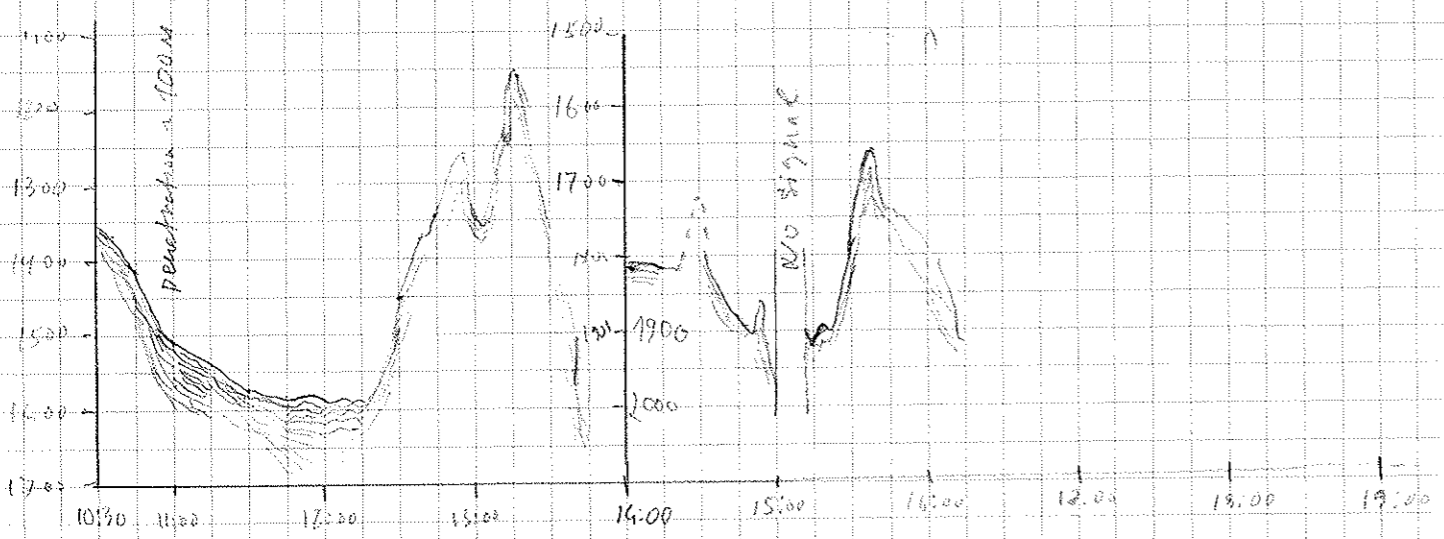
Furst

End of station

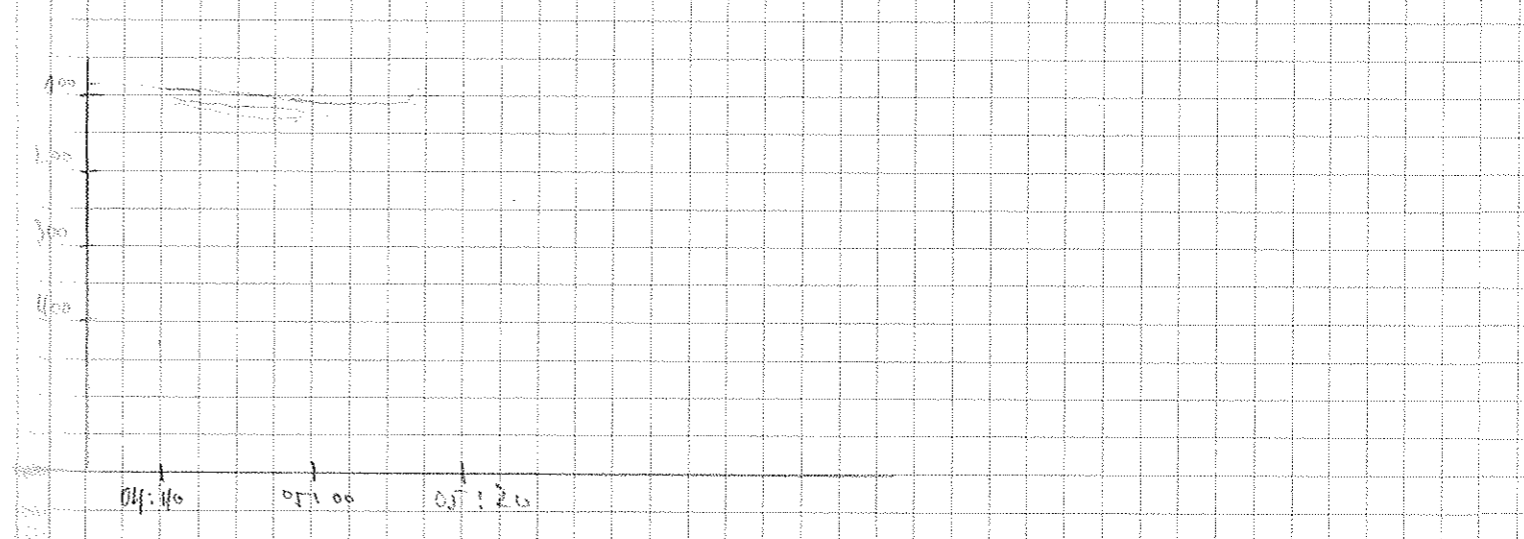
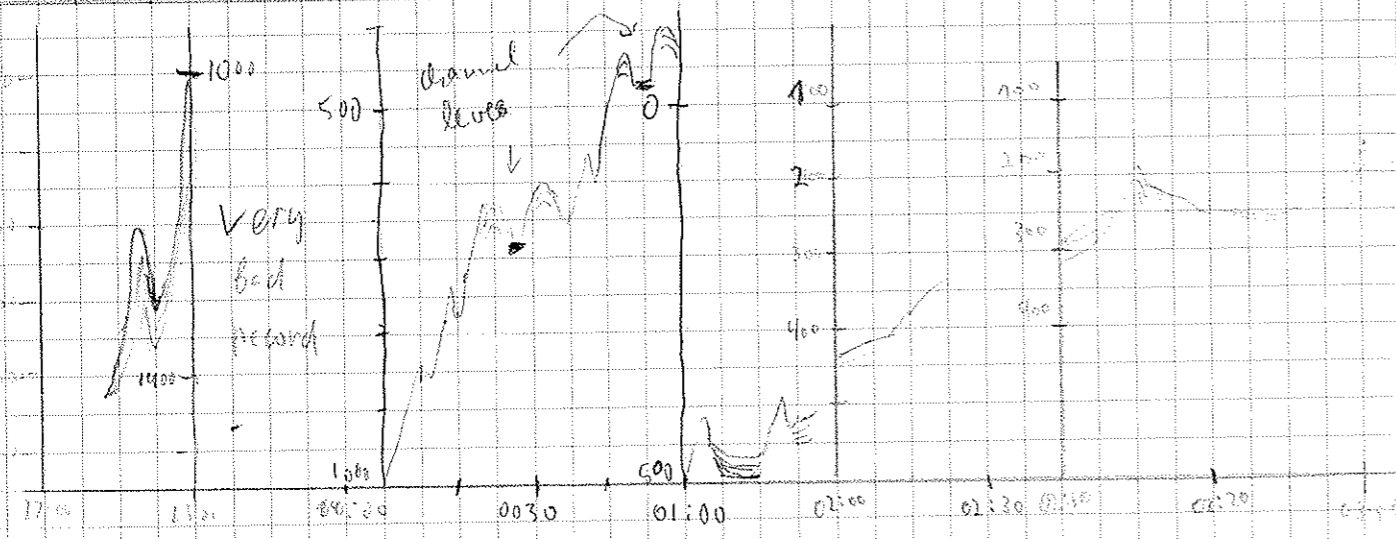
PS-Tiefe bei 14m?

Helmbu

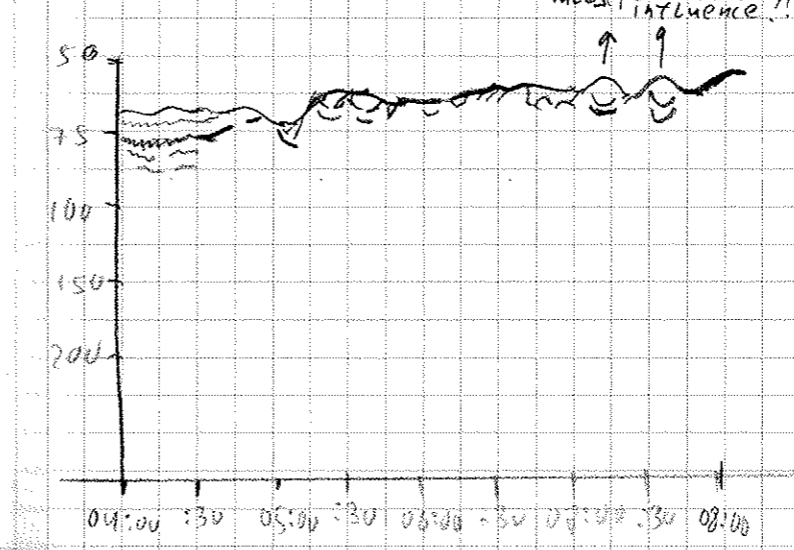
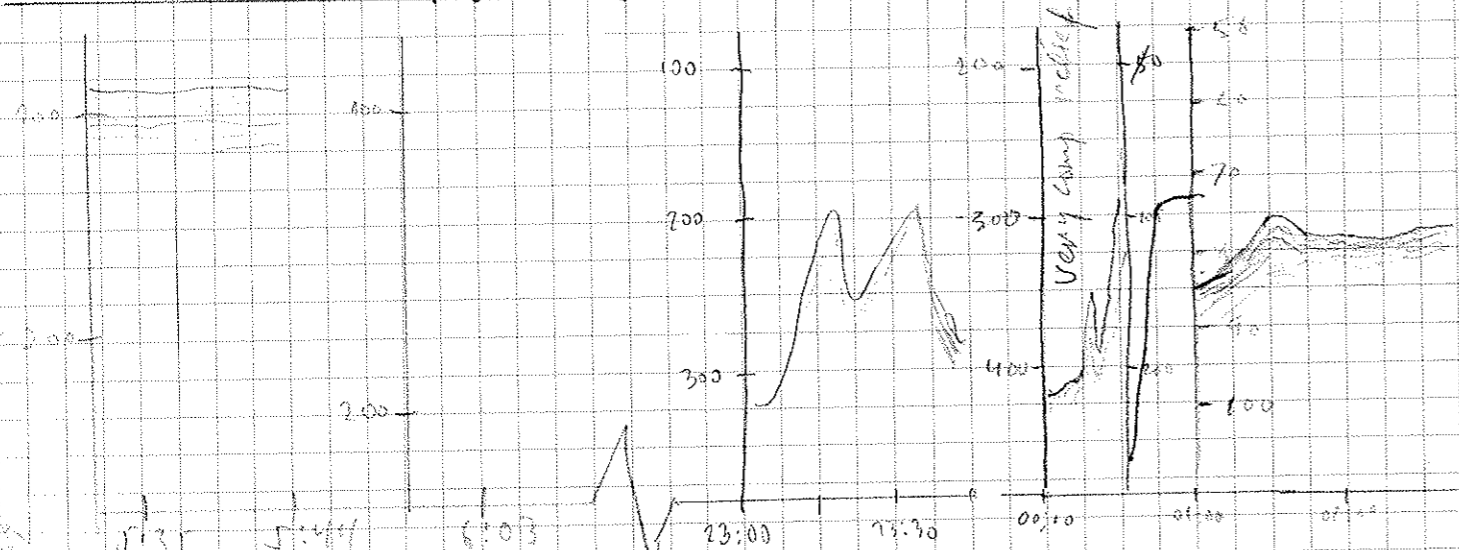
Date	Time (GMT)	Lat. (N)	Long. (E)	Speed (kts)	Course (°)	Depth (fms)	Depth (M)	Freq. (MHz)	Pulse	Range	Revol Length	Wait Time	Base No.	Tap No.	Watcher	Notes	
08.08.98	5:15	78°02.9	131°34.37	7.0	2.6	1254.1	1423	4	2	2000	100	0	14	142	Helmholtz		
	5:30	78°02.8	131°28.3	5.3	326.1	0	1505	"	"	"	"	"	"	"	"		
	5:45	78°03.7	131°25.5	2.5	340.7	1576.7	1572	"	"	"	"	"	"	"	"		
	5:53											30				Station	
																End of station	
08.08.98	10:38	78°03.8	131°33.4	5.6	314	1375	1394	"	"	"	"	0	"	"	Drachev		
	:45	04.1	30.8	6.0	245	~1415	1420	"	8	"	"	"	"	"	"		
	11:00	02.9	28.2	8.4	223	~1500	1517	"	4	"	"	"	"	113	"	Topic 112-113	
	:15	01.9	22.2	7.2	236	~1537	1555	"	"	"	"	"	"	"	"		
	:31	01.5	13.8	7.0	259	~1570	1578	"	"	"	"	"	"	"	"		
	:45	01.2	08.5	7.5	266	~1582	1589	"	"	"	"	"	"	"	"		
	12:00	78°00.4	02.0	7.4	204	~1580	1590	"	"	"	"	"	"	"	"		
	:15	78°53.161	130°58.022	8.8	197.5	~1400	1555	-11-	-11-	-11-	-11-	-11-	-11-	-11-	-11-	Khodakov	
	:30	78°51.572	130°54.310	8.8	207.1	1350	1513	-11-	-11-	-11-	-11-	-11-	-11-	-11-	-11-	-11-	12:39 stark ice
	:45	78°56.868	130°51.030	6.1	210.1	1074	1386.0	-11-	-11-	-11-	-11-	-11-	-11-	-11-	-11-	-11-	Wrong PS depths
	13:00	78°56.213	130°44.000	6.1	168	1141	1346	-11-	-11-	-11-	-11-	-11-	-11-	-11-	-11-	-11-	
	:15	78°56.009	130°38.532	6.7	213.2	~1215	1191	-11-	-11-	-11-	-11-	-11-	-11-	-11-	-11-	-11-	
	:30	78°55.419	130°32.013	8.7	293.1	1241	1395	-11-	-11-	-11-	-11-	-11-	-11-	-11-	-11-	-11-	
	:45	78°56.146	130°25.004	6.8	281.1	1226	1696	-11-	-11-	-11-	-11-	-11-	-11-	-11-	-11-	-11-	
	14:00	56.0	18.3	7.4	230	1800	1815	"	"	"	"	"	"	"	"	Drachev	
	:15	55.7	11.0	7.7	303	1800	1812	"	"	"	"	"	"	"	"	"	
	:30	56.5	08.9	7.0	293	-	1766	"	"	"	"	"	"	"	"	"	
	:45	57.5	129°59.1	8.5	338	~1880	1887	"	"	"	"	"	"	"	"	"	
	15:00	59.0	58.1	14.7	46	~1575	1589	"	"	"	"	"	"	"	"	"	
	:15	78°00.3	54.8	8.9	300	~1900	1910	"	"	"	"	"	"	"	"	"	
	:30	77°59.9	49.6	6.6	208	~1780	1786	"	"	"	"	"	"	"	"	PS switched off/on	
	:45	59.3	43.0	6.5	298	~1745	1754	"	"	"	"	"	"	"	"	"	
	16:00	77°59.6' N	129°36.0' E	4.1	264	1524	1488.7	"	"	"	"	"	"	"	"	V. Lashov	
	:15	78°00.6' N	129°33.3' E	5.3	340	1932	1632.222	"	"	"	"	"	"	"	"	V. Lashov	
	:30	78°01.2' N	129°32.6' E	0.5	77.0	1150.0	1584.222	"	"	"	"	"	"	"	"	-11-	
	:45	78°02.0' N	129°34.8' E	0.4	17.7	1736.0	-	"	"	"	"	30 sec	"	"	-11-	Begin Station	
	17:00															Station	



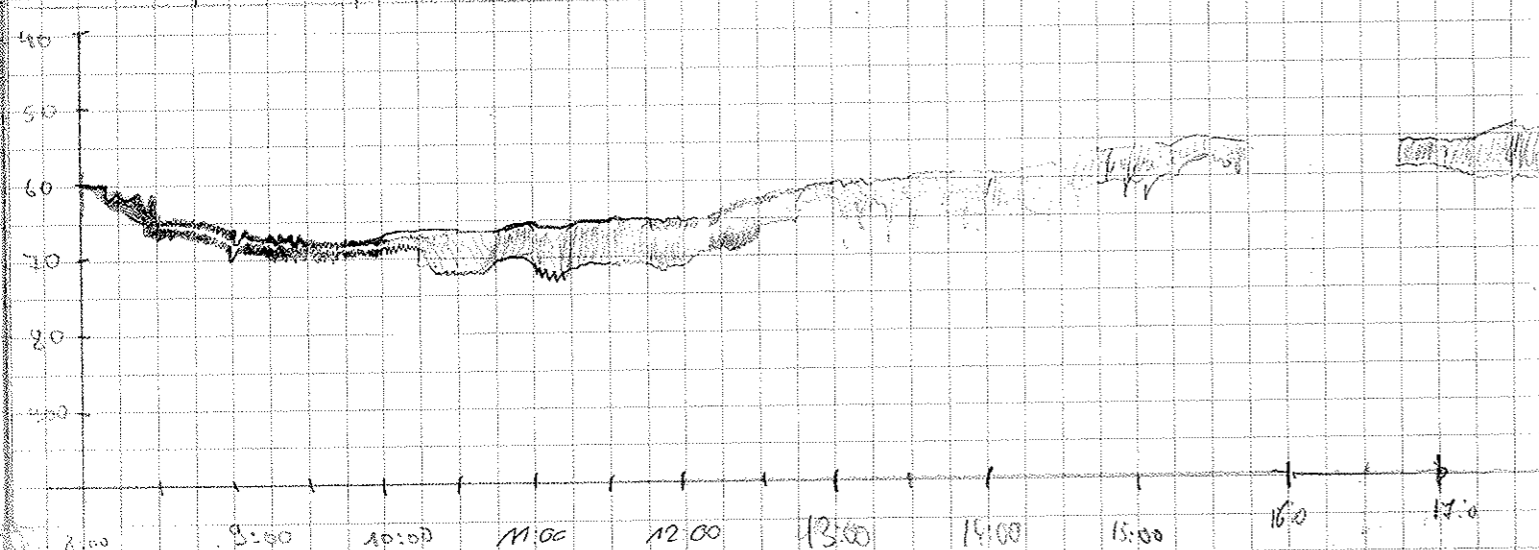
Date	Time (GMT)	Latitude (°N)	Longitude (°E)	Speed (kn)	Course (°)	Depth (PS)	Depth (MS)	Freq. kHz	Pulse	Range	Record length	Wait time	Depth No	Tape No	Watcher	Notes		
08.08.78	20:05	78°01.8	129°35.9	9.3	162	1925	1907	4	4	2000	266	0	14	113	Drecher	END Station 2014 Tape 113 → 114 No signal Station "Angus"		
	:15	00.4	36.2	6.8	216	1860	1877	"	"	"	"	"	"	114				
	:30	00.3	129.36.1	0.9	194.3	1868	1870	"	"	"	"	"	"	"				
	:45																	
	21:00																	
	:15																	
	:30																	
	:45																	
	22:00																	
	:15																	
	:23	78°00.1	129°38.6	5.1	84	1875	1821	"	"	"	"	"	"	"			"	End of Station
	:30	77°59.8	41.7	6.8	142	1770	1781	"	"	"	"	"	"	"			"	
:45	58.8	48.3	7.9	197	1700	1704	"	"	"	"	"	"	"	"				
23:00	58.9	46.8	10.5	182	-	1403	"	"	"	"	"	"	"	"	No signal			
:15	59.5	46.2	11.7	168	-1477	1499	"	"	"	"	"	"	"	"				
:30	52.1	47.7	8.5	165	-1380	1408	"	"	"	"	"	"	"	"				
:45	49.9	50.7	9.7	168	-	1784	"	"	"	"	"	"	"	"				
09.08.78	00:00	47.6	51.8	9.8	150	1340	1338	"	"	"	"	"	"	"		Niemi		
:15	45.7	51.5	6.4	167	879	859	"	"	1000	266	0	14	114					
:30	43.6	56.5	9.3	155	856	859	"	"	"	"	"	"	"					
:45	42.4	58.7	8.4	156	662	667	"	"	"	"	"	"	"					
01:00	40.1	130° 02.3	11.6	189	453	465	"	"	500	"	"	"	"					
:15	38.3	01.0	5.3	191	-	379	"	"	"	"	"	"	"					
:22	38.0	00.7	0.7	-	439	435	"	"	"	"	30	"	"	Stahm Verholen um 400m				
02:02:00	77°35.01'N	129°00.64'E	1.2	117	426	430	"	"	"	"	0	"	"				V. Lorch Verholen um 400m	
02:07:00	37.72'N	01.13'E	4.0	199	385	370	"	"	"	"	0	"	"					
02:14:00	37.36'N	00.71'E	2.3	226	304	299	"	"	"	"	0	"	"					
02:26:00	37.36'N	00.77'E	10.4	202	302	305	"	"	"	"	30	"	"		Station Verholen um 400m			
02:30:00	37.28'N	00.64'E	0.8	187	281	285	"	"	"	"	0	"	"					
02:36:00	37.27'N	01.20'E	5.2	152	280	283	"	"	"	"	0	"	"					
03:00:00	37.00'N	01.44'E	2.3	193	283	298	"	"	"	"	0	"	"					
03:08:00	36.93'N	00.94'E	0.8	157	284	288	"	"	"	"	0	"	"					
03:17:00	36.95'N	00.95'E	0.4	177	287	290	"	"	"	"	30	"	"					
03:30:00	36.68'N	00.61'E	2.4	165	253	255	"	"	"	"	0	"	"					
03:50:00	36.79'N	00.06'E	0	168	168	162	"	"	"	"	30	"	"					
04:03:00	36.79'N	120° 2.9'E	0.7	227	186	288	"	"	"	"	0	"	"	Station Verholen um 400m				
04:11:00	35.8'N	00.67'E	1.3	167	102.8	105.0	"	"	"	"	30	"	115					
04:14:00	35.50'N	120° 33.8'E	3.7	252	98.5	90.0	"	"	"	"	0	"	"					
04:56:00	35.40'N	123° 58.8'E	✓	✓	100.4	100.5	"	"	"	"	30	"	"					
05:07:00	35.37'N	123° 02'E	0.7	149	99.7	98.2	"	"	"	"	0	"	"					
05:15:00	35.40'N	123° 25'E	0.3	279	94.0	93.0	"	"	"	"	30	"	"					



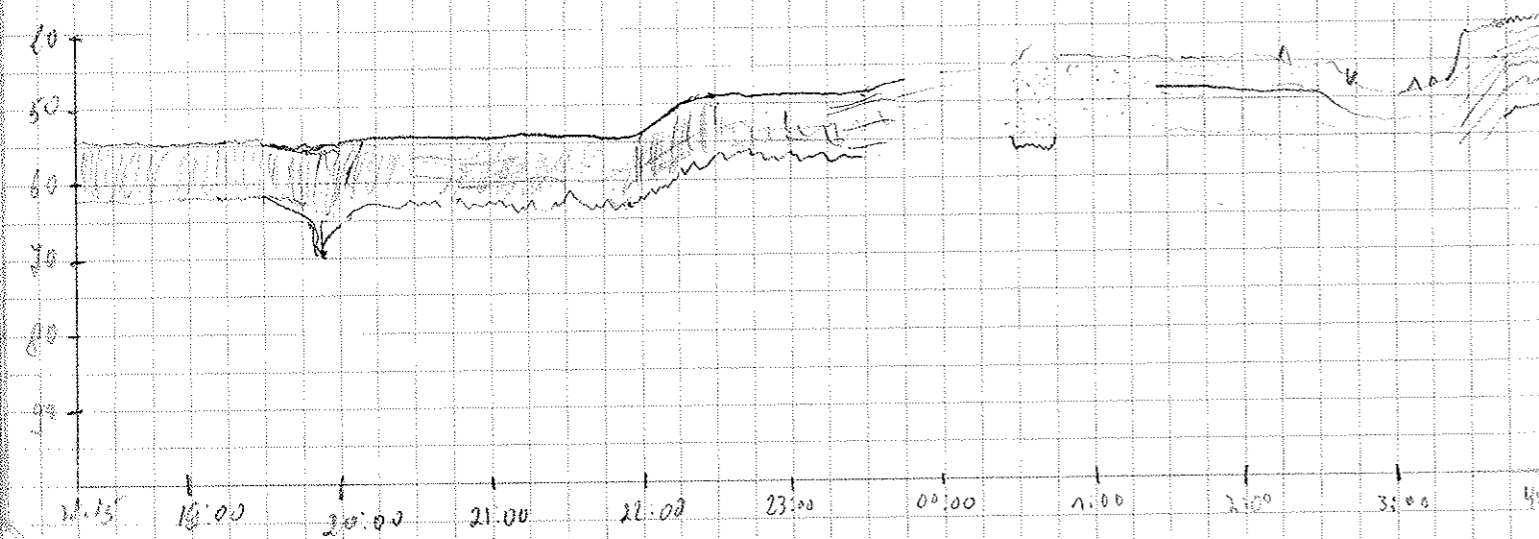
Date	Time (GMT)	Latitude (°N)	Longitude (°E)	Speed (kt)	Course (°)	Depth (PS)	Depth (fms)	Frequenz (KHz)	Pulse Range	Record Length	Wait Time	DESO No.	Tape No.	Watcher	Notes
09.08.98	5:35	77°35.17'N	129°52.92'E	0.6	268	34.4	34.2	4	4	500	256	0	114	V. Larcher	Verholen Station
	5:44	34.89'N	53.42'E	0.6	173	30.8	30.1	"	"	"	30	"	"	"	Station
	6:03	34.77'N	50.28'E	4.0	168	29.3	29.4	"	"	"	30	"	"	"	Station
	6:13	34.25'N	129°00.21'E	30.9	274	25.9	26.3	"	"	"	0	"	"	"	Station
	6:31	34.26'N	129°13.52'E	0.2	173	22.2	22.3	"	"	"	0	"	"	"	Station
	6:40	34.10'N	129°20.56'E	4.4	355	24.9	22.1	"	"	"	30	"	"	"	Station
09.08.98	73:05	77°41.2'N	130°01'E	-	-	527	522	"	"	"	5	15	116	Nimm	Tape 115 → 116
	73:28	77°41.4'N	130°04'E	6.8	108	330	331	"	"	"	0	"	"	"	Start Seism. Proj. 130°
	73:45	39.7	08.2	6.8	198	293	295	"	"	"	"	"	"	"	
10.08.98	00:00	72°35.2	130°03.4	7.8	253	418	417	"	"	"	"	"	"	Drachen	
	:15	37.8	00.7	5.9	207	410	408	"	"	"	"	"	117	"	Tape 116 → 117
	:30	31.4	129°57.5	6.2	216	285	287	"	"	"	"	"	"	"	
	:45	35.1	59.6	6.6	124	91.2	91.2	"	"	"	"	"	"	"	PS parameters have changed
	01:03	34.0	130°06.4	6.9	147	85.1	85.8	4	2	50	100	"	"	"	
	:15	32.7	09.9	5.9	130.8	83	84	"	"	"	"	"	"	"	
	:30	32.7	16.6	5.6	75.5	79.4	81	"	"	"	"	"	"	"	
	:45	31.6	19.9	5.9	202	78.4	79.1	"	"	"	"	"	"	"	
	02:00	30.2	18.0	6.0	221	77.3	77.4	"	"	"	"	"	"	"	Tape 118 not existent
	:15	28.7	15.3	5.6	207	77	77.3	"	"	"	"	"	"	"	(crash)
	:30	27.3	12.4	6.6	204	75.5	76.2	"	"	"	"	"	"	"	
	:45	25.8	09.3	6.3	266	74.4	75.4	"	"	"	"	"	"	"	
	03:00	24.4	11.4	6.0	157	73.0	73.5	"	"	"	"	"	"	"	
	:15	22.9	11.1	5.7	223	73.0	74.6	"	"	"	"	"	"	"	System is crashed
	:35	22.0	02.5	7.0	239	73.4	73.3	"	"	"	"	"	"	"	except for DESO
	:45														Tape 118 → 119
	04:00														System is OK
	04:15	77°18.0	129°54.4	5.5	172	72.1	71.2	"	"	"	"	"	119	S.M.	
	04:30	77°06.7	129°56.0	5.9	157	69.6	65.7	"	"	"	"	"	"	"	
	04:45	77°15.2	129°57.0	6.7	187	67.8	65.9	"	"	"	"	"	"	"	
	05:00	77°13.7	129°56.8	5.7	194	70.0	69.5	"	"	"	"	"	"	"	
	05:15	77°13.3	130°00.2	5.3	330	67.0	65.4	"	"	"	"	"	"	"	
	:30	77°12.1	129°57.3	5.7	165	65.8	66.0	"	"	"	"	"	"	"	
	:45	77°10.7	129°55.2	6.4	184	64.7	(27.2)	"	"	"	"	"	"	"	
	06:00	77°09.4	129°54.7	8.2	207	65.4	(25.5)	"	"	"	"	"	"	"	
	:15	77°08.0	129°55.4	4.8	068	62.2	(27.8)	"	"	"	"	"	"	"	
	:30	77°07.2	129°50.1	4.7	150	60.7	(25.7)	"	"	"	"	"	"	"	
	:45	77°05.9	130°00.7	5.3	133	62.2	64.4	"	"	"	"	"	"	"	
	07:00	77°05.5	130°06.4	6.0	148	60.9	59.1	"	"	"	"	"	"	"	
	:15	77°04.2	130°08.7	6.5	165	60.8	57.6	"	"	"	"	"	110 → 120	"	Tape 119 → 120
	:30	77°02.7	130°10.2	6.1	170	58.5	56.6	"	"	"	"	"	120	"	
	:45	77°01.2	130°09.3	5.5	204	55.8	54.8	"	"	"	"	"	"	"	



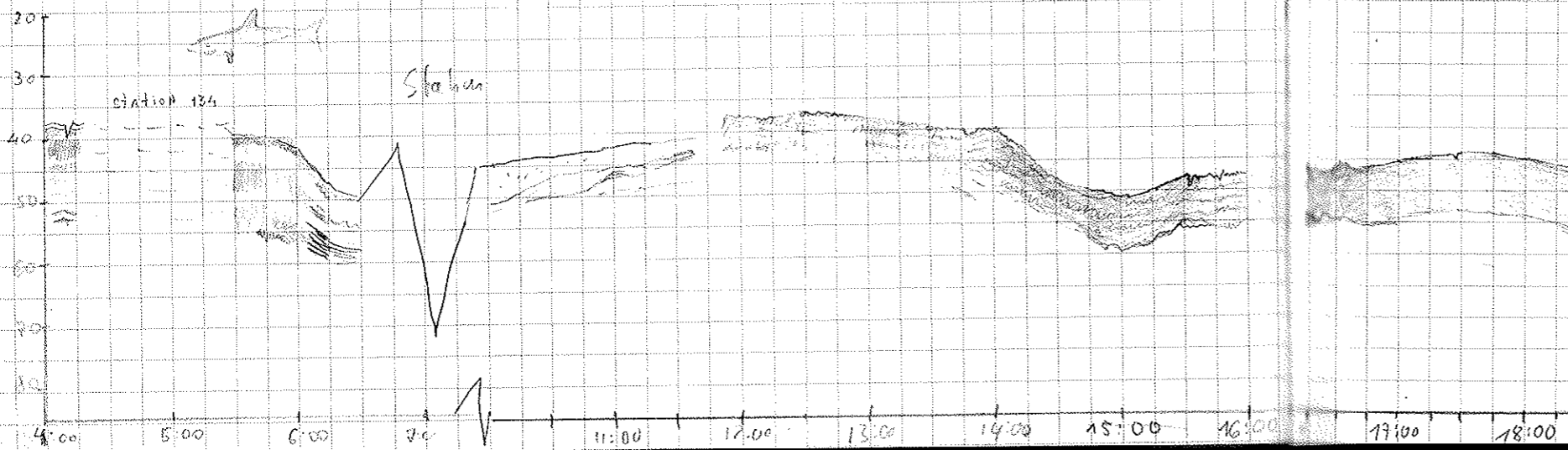
Date	Time (GMT)	Lat. (N)	Long. (E)	Speed (KT)	Course (°)	Depth (FS)	Depth (MS)	Frequency (KHz)	Pulse	Range	Reel length	Wait Time	Deso No	Tape	Watches	Notes
10.8.88	08:00	76°59.3	130°06.7	5.8	132	60.2	58.1	4	4	50	100	0	15	120	Hulu	Tape 120
	:15	76°58.5	130°05.2	5.8	134.7	63.5	65.7	"	"	"	"	"	"	"	"	"
	:30	76°57.0	130°04.3	5.8	174	64.6	66.6	"	"	"	"	"	"	"	"	"
	:45	76°55.6	130°04.3	5.8	132.4	67.9	66.3	"	"	"	"	"	"	"	"	"
	09:00	76°54.3	130°04.2	5.8	214.2	67.1	68.2	"	"	"	"	"	"	"	"	"
	:15	76°52.1	129°57.4	5.8	211.6	67.2	67.6	"	"	"	"	"	"	"	"	"
	:30	76°51.7	129°54.6	5.8	184.4	67.5	68.4	"	"	"	"	"	"	"	"	"
	:45	76°50.5	129°54.2	5.3	152.3	66.6	67.7	"	"	"	"	"	"	"	"	"
	10:00	76°48.3	129°52.3	9.1	154.5	66.2	67.4	"	"	"	"	"	16	"	"	Deso 15 → 16
	:15	76°46.60	129°54.5	7.6	203.8	66.5	68.8	"	"	"	"	"	"	121	Hulu	Tape 120 → 121
	:30	76°45.12	129°50.6	7.6	209.3	66.5	71.5	"	"	"	"	"	"	"	"	"
	:45	76°43.73	129°48.24	6.4	199.9	66.1	67.0	"	"	"	"	"	"	"	"	"
	11:00	76°42.37	129°46.20	7.6	209.7	65.3	66.0	"	"	"	"	"	"	"	"	"
	:15	76°40.49	129°43.07	8.1	797.4	65.8	65.7	"	"	"	"	"	"	"	"	"
	:30	76°38.60	129°41.57	10.2	290.8	65.0	65.7	"	"	"	"	"	"	"	"	"
	:45	76°37.62	129°37.24	8.7	185.3	64.8	62.0	"	"	"	"	"	"	"	"	"
	12:00	76°35.66	129°34.85	8.0	179.2	64.2	64.4	"	"	"	"	"	"	"	Wagner	"
	:15	34.19	31.79	10.6	198.6	63.1	63.1	"	"	"	"	"	"	"	"	"
	:30	32.14	29.03	6.6	242.6	62.1	62.5	"	"	"	"	"	"	"	"	"
	:45	30.50	25.84	7.0	175.1	61.1	59.4	"	"	"	"	"	"	"	"	"
	13:00	28.51	24.95	7.8	191.6	60.6	59.3	"	"	"	"	"	"	"	"	"
	:15	27.12	21.97	9.0	231.3	60.0	58.9	"	"	"	"	"	"	"	"	"
	:30	25.92	21.80	7.0	177.5	59.5	58.9	"	"	"	"	"	"	"	"	"
	:45	24.43	21.32	5.0	186.0	58.9	58.6	"	"	"	"	"	"	"	"	"
	14:00	23.15	129°15.34	8.2	194.8	58.4	56.9	"	"	"	"	"	"	172	Buck	Tape changed 121 → 122
	:15	22.40	77.52	7.4	190.2	57.3	57.2	"	"	"	"	"	"	"	"	"
	:30	19.32	15.24	9.5	210.9	57.1	55.1	"	"	"	"	"	"	"	"	"
	:45	76°17.27	129°16.90	8.9	194.6	56.6	50.0	"	"	"	"	"	"	"	"	"
	15:00	16.03	15.30	8.8	190.3	55.6	52.0	"	"	"	"	"	"	"	"	"
	:15	14.04	13.95	8.7	182.3	55.6	22.3	"	"	"	"	"	"	"	"	"
	:30	76°12.27	129°10.71	4.4	173.0	54.6	26.8	"	"	"	"	"	"	"	"	Fahrer verstellt. Station Beginn
	:45	76°11.81	129°10.16	0.5	123.9	54.1	52.6	"	"	"	"	"	"	"	"	"
	16:00	76°11.74	129°10.20	0.3	136.6	54.3	52.3	"	"	"	"	"	"	"	"	"
	16:45	76°11.55	129°10.299	3.8	17.0	92.8	56.7	"	11	11	11	11	11	11	Wholen Dow	"
	17:00	76°12.57	129°16.88	9.9	110.5	55.7	43.4	"	11	11	11	11	11	11	"	"
	17:15	76°12.64	129°25.316	8.8	97.9	55.9	62.7	"	11	11	11	11	11	11	"	17:19 Tape changing 122-123
	:30	76°13.27	129°33.000	4.5	62.2	56.0	56.9	"	11	11	11	11	11	123	"	"
	:45	76°13.52	129°34.018	0.8	202.5	56.0	53.5	"	11	11	11	11	11	11	"	17:55 Deso beachers Station stop
	18:00	76°13.49	129°33.882	0.5	102.8	56.0	56.2	"	11	11	11	30	11	11	"	"



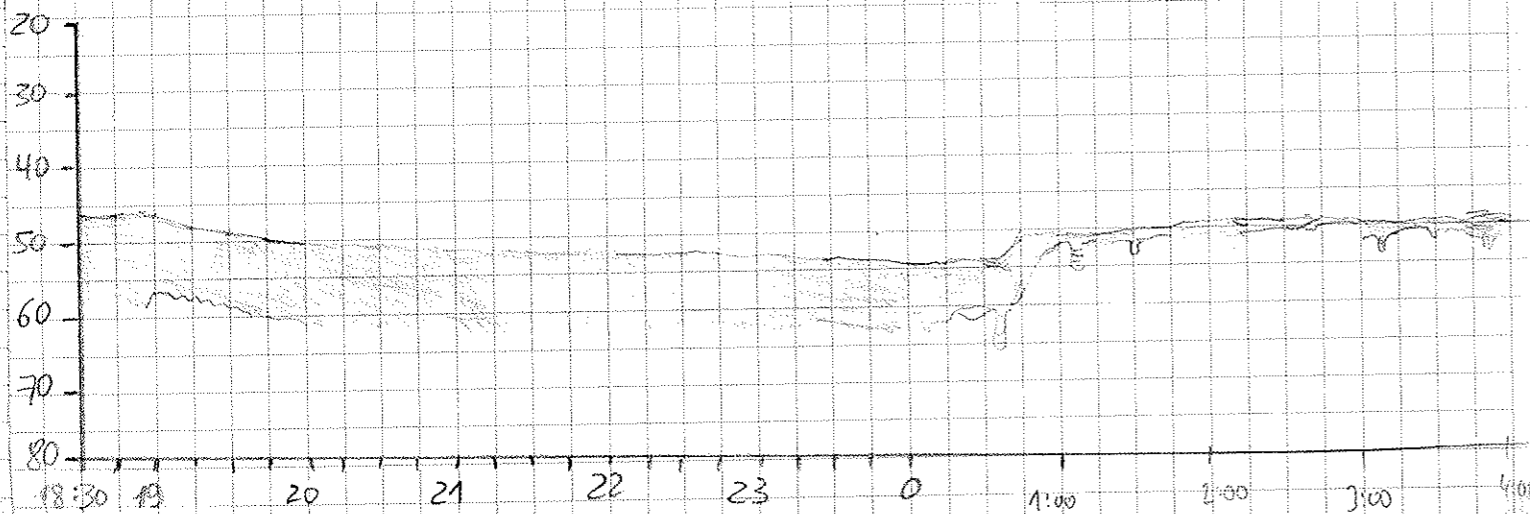
Date	Time (GMT)	Latitude (°N)	Longitude (°E)	Speed (kn)	Course (°)	Depth PS (m)	Depth HS (m)	Pressure (kH ₂ O)	Pulse	Range	Record Length	Wait time	Deso N	Tapes	Watcher	Notes	
10.8.98	18:15	76°13.405	129°33.832	0.7	204.6	55.9	56.8	4	4	50	100	30	16	123	Khalidov Gusev		
	18:30	76°13.356	129°33.39	0.4	204.6	56.0	56.4	"	"	"	"	"	"	"			
	18:45	76°13.293	129°33.4	0.9	198.1	56.0	57.5	"	"	"	"	"	"	"			
	19:00	76°13.306	129°34.422	2.3	13.2	53.9	59.0	"	"	"	"	0.0	"	"	Khalidov		
	19:15	76°13.124	129°42.877	4.7	84.9	55.7	58.4	"	"	"	"	"	"	"			
	19:30	76°13.203	129°48.809	3.9	138.9	53.5	53.8	"	"	"	"	"	"	"	"		
	19:45	76°12.993	129°43.698	4.2	107.0	55.1	55.0	"	"	"	"	"	"	"	"		
	20:00	76°12.953	129°58.080	3.9	88.2	56.2	54.7	"	"	"	"	"	"	"	"		
	20:15	12.8	130°00.1	9.2	87.6	54.6	27.7	"	"	"	"	"	"	"	Drachen		
	20:30	13.1	08.6	9.5	101	54.1	26.4	"	"	"	"	"	"	"			
	20:45	13.9	10.2	0.2	334	54.4	26.2	"	"	"	"	60	"	"	"		
	21:05	14.1	10.3	8.7	32.4	54.1	24.6	"	"	"	"	0	"	"	"	Station End of station	
	21:16	14.5	17.4	7.8	77.7	54.5	55.5	"	"	"	"	"	"	"	"		
	21:30	13.8	24.5	9.1	156.	53.8	53.7	"	"	"	"	"	"	"	"		
	21:45	12.5	32.3	7.5	85.7	53.2	53.6	"	"	"	"	"	"	4	124	"	Tape 123 → 124
	22:00	12.3	43.1	14.8	82.6	52	53.7	"	"	"	"	"	"	"	"		
	22:15	13.2	57.4	9.1	67.8	50.5	52.1	"	"	"	"	"	"	"	"		
	22:30	13.4	131°07.7	9.9	113.4	49.2	50.4	"	"	"	"	"	"	"	"		
	22:42	12.9	12.0	0.4	53.2	49	51	"	"	"	"	60	"	"	"	Station	
	23:00																
23:25	13.1	13.0	9.0	12.9	48.3	48.8	"	"	"	"	0	"	"	"	"	End of station	
23:30	13.6	14.7	11.0	65.7	48.3	50	"	"	"	"	"	"	"	"	"		
23:43																	
11.8.98	00:00	76°13.03'N	131°36.5'E	13.5	73.6	46.3	49.7	"	"	"	"	0	"	"	V. Larcher		
	00:15	76°12.33'N	131°47.58'E	13.2	120.3	44.8	47.6	"	"	"	"	"	"	"			
	00:30	76°12.30'N	132°03.20'E	13.6	090.3	45.7	43.3	"	"	"	"	"	"	"	"		
	00:45	76°12.28'N	132°12.87'E	3.9	132.3	45.5	48.2	"	"	"	"	"	"	"	"		
	1:00	76°12.26'N	132°14.29'E	0.8	25.2	44.8	50.0	"	"	"	"	"	"	"	"	Station	
	1:10	76°12.20'N	132°14.44'E	0.4	70.8	44.8	48.9	"	"	"	"	30	"	"	"		
	1:27	76°12.37'N	132°15.21'E	8.9	57.5	44.8	/	"	"	"	"	0	"	"	"	End station	
	1:45	76°12.74'N	132°28.23'E	13.6	99.4	44.4	/	"	"	"	"	11	"	"	"	1:48 Tapewechsel 124 → 125	
	2:00	76°12.73'N	132°38.65'E	11.3	106.1	44.9	/	"	"	"	"	"	"	"	"		
	2:15	76°12.76'N	132°42.97'E	6.4	82.8	45.6	/	"	"	"	"	"	"	"	"		
	2:30	76°12.54'N	132°57.18'E	7.6	95.5	46.2	46.9	"	"	"	"	"	"	"	"		
	2:45	76°12.54'N	133°04.60'E	7.8	93.8	47.6	26.9	"	"	"	"	"	"	"	"		
	3:00	76°12.45'N	133°12.17'E	9.3	96.4	48.2	28.4	"	"	"	"	"	"	"	"		
	3:15	76°12.20'N	133°22.68'E	10.6	94.7	47.5	30.0	"	"	"	"	"	"	"	"		
3:30	76°10.35'N	133°32.03'E	12.6	95.4	42.0	28.0	"	"	"	"	"	"	"	"			
3:45	76°10.64'N	133°42.66'E	9.8	97.3	40.1	25.3	"	"	"	"	"	"	"	"			
4:00	76°10.14'N	133°53.55'E	9.3	135.0	38.2	38.3	"	"	"	"	"	"	"	"			



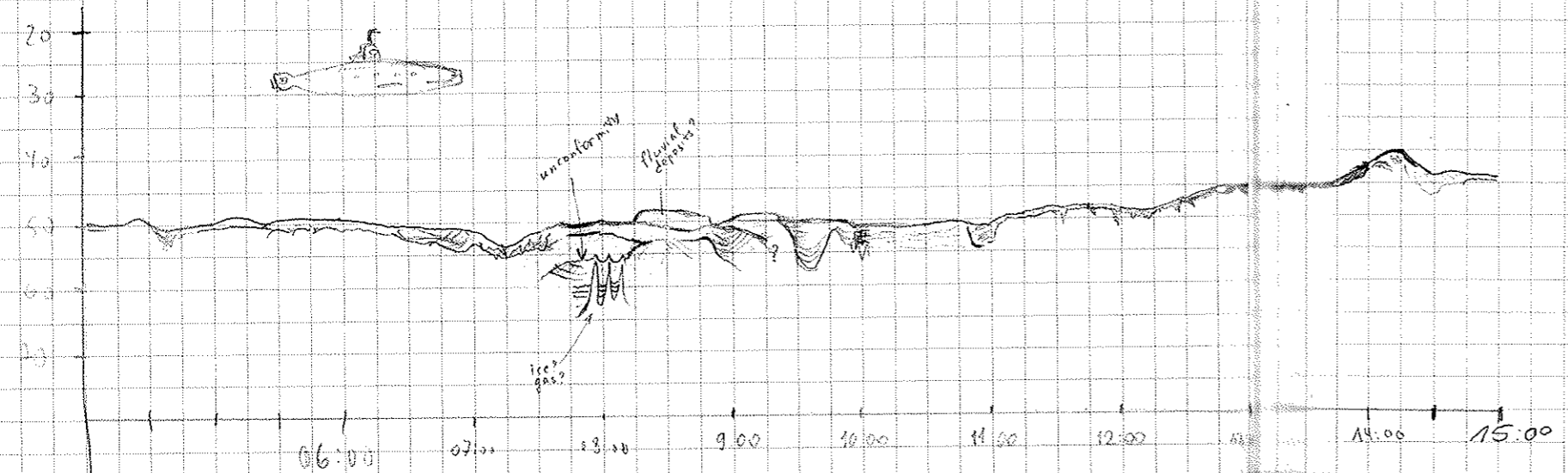
Date	Time (GMT)	Latitude (°N)	Longitude (°E)	Speed (kn)	Course (°)	Depth PS (m)	Depth HS (m)	Frequency (kHz)	Pulse	Range	Record Length	Wait Time	Deso No	TAPA No	Watcher	Notes
11.8.1998	4:15	74°09.7	133°53.2	10.2	284	47.5	39.9	4	2	100	193	30	15	125	E. Gusev	Station 51/134
	4:30	76°09.9	133°49.3	0.9	213.3	47.5	41.0	---								
	4:45	76°09.8	133°48.7	1.1	192.3	47.5	40.4	---								
	5:00	76°09.4	133°40.5	8.2	280.0	40.9	44.1	---				0.0				
	5:20	76°09.4	133°45.5	8.1	259.8	41.5	45.3	---								
	5:30	76°09.4	133°41.6	8.1	299.3	41.7	43.4	---								
	5:45	76°10.5	133°34.6	8.4	278.3	42.2	44.6	---								Tape changing 125 → 126
	6:00	76°10.5	133°25.9	8.8	256.9	45.3	46.0	---						126		
	6:15	76°10.3	133°15.8	8.5	263.2	48.3	51.2	---								
	6:30	76°10.2	133°14.6	0.7	212.5	48.8	51.5	---				30.0				Station
	10:32	76°09.4	133°21.1	11.2	014	46	49	"	2	"	"	0	16	126	Nierun	Ende Station
	10:46	76°11.8	133°22.8	10.5	006	44	44	"	"	"	"	"	"	"	"	
	11:00	13.4	26.4	12.1	013	41	42	"	"	"	"	"	"	"	"	
	11:15	14.9	25.6	6.1	358	42	42	"	"	"	"	"	"	"	"	
	11:30	16.5	28.4	9.2	15.3	39	27.2	"	"	"	"	"	"	"	"	
	12:00	76°20.7	133°35.1	8.4	354.0	37	38	"	"	"	"	"	"	"	Hölsmann	
	12:15	76°22.4	133°36.6	8.7	35.7	36	27	"	"	"	"	"	"	"	"	
	12:30	76°24.6	133°37.3	9.1	23	36	37	"	"	"	"	"	"	"	"	
	12:35	Stream ar	Ensalz										167			Deso 16 → 17
	13:00	76°25.0	133°31.2	5.9	244	36	37	"	"	"	"	"	"	"	"	
	13:15	76°24.2	133°25.5	6.2	204	38	38	"	"	"	"	"	"	127	"	changing Tape 126 → 127
	13:30	76°23.2	133°24.2	7.1	257	39	39	"	"	"	"	"	"	"	"	
	13:45	76°22.7	133°14.8	6.6	236	40	38	"	"	"	"	"	"	"	"	
	14:00	76°22.3	133°08.8	6.8	256.4	40.7	27.78	"	"	"	"	"	"	"	Binder	14 ⁰⁰ new start of Hydroswep
	14:15	76°21.7	133°02.3	4.3	238.4	44.3	27.52	"	"	"	"	"	"	"	"	
	14:30	76°20.3	132°57.8	6.1	248.5	47.3	45.7	"	"	"	"	"	"	"	"	
	14:45	76°20.5	132°52.1	5.9	253.0	50.2	51.4	"	"	"	"	"	"	"	"	
	15:00	76°19.7	132°47.4	6.1	252.9	52.1	53.8	"	"	"	"	"	"	"	"	
	15:15	76°18.5	132°43.2	6.0	207.6	49.5	57.6	"	"	"	"	"	"	"	"	
	15:30	76°17.2	132°40.0	6.0	227.5	47.3	49.7	"	"	"	"	"	"	"	"	
	15:45	76°16.9	132°34.9	5.2	267.2	46.7	48.4	"	"	"	"	"	"	"	"	
	16:00	76°16.3	132°29.6	5.8	271.7	46.7	48.6	"	"	"	"	"	"	"	"	
	16:15	76°15.95	132°24.86	6.6	208.4	45.9	48.4	"	"	"	"	"	"	"	Didie	Tape Wechsel 127 → 128
	16:30	76°14.65	132°19.83	6.8	218.7	45.9	48.4	"	"	"	"	"	"	128	Nierun	
	16:45	76°14.00	132°13.97	7.7	236.4	45.1	46.9	"	"	"	"	"	"	"	"	
	17:00	76°13.14	132°08.75	7.2	212.9	45.0	47.2	"	"	"	"	"	"	"	"	
	17:15	76°12.03	132°04.33	5.7	225.7	44.9	47.2	"	"	"	"	"	"	"	Didie	
	17:30	76°10.76	132°00.66	7.3	204.9	44.6	47.0	"	"	"	"	"	"	"	"	
	17:45	76°09.51	131°57.14	6.7	234.8	44.8	48.2	"	"	"	"	"	"	"	"	
	18:00	76°09.19	131°51.00	5.8	266.6	45.0	47.5	"	"	"	"	"	"	"	"	
	18:15	76°09.34	131°44.14	6.1	267.7	45.2	48.1	"	"	"	"	"	"	"	"	
	18:30	76°09.68	131°37.56	8.3	286.7	45.9	48.9	"	"	"	"	"	"	"	"	



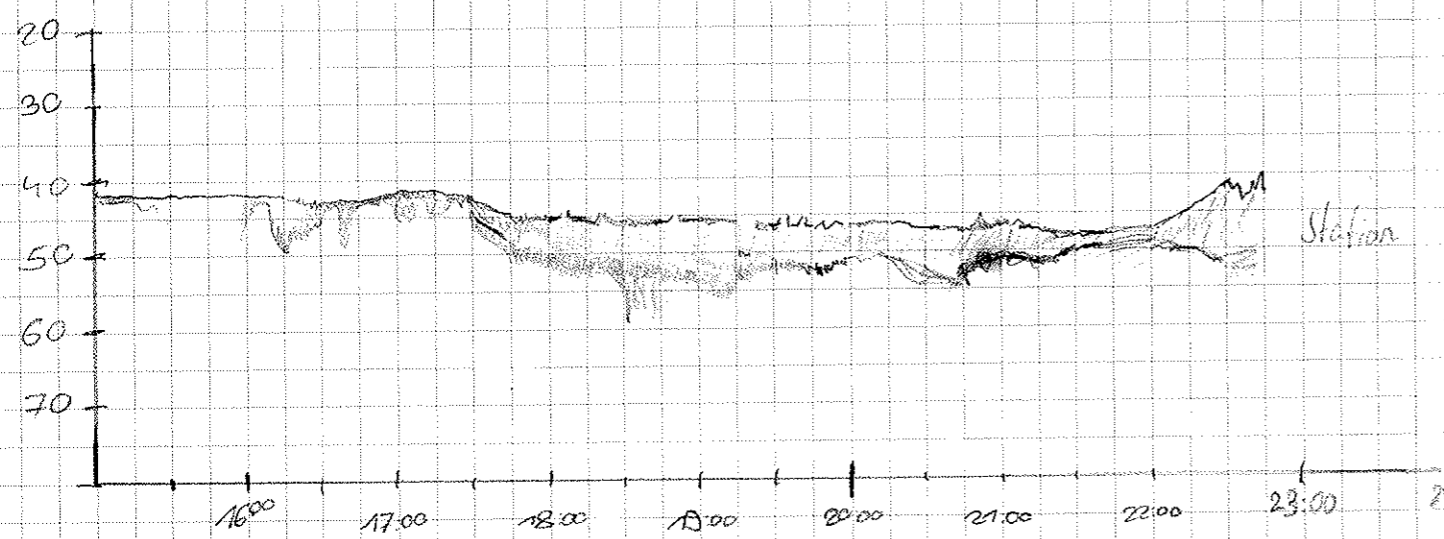
Date	Time	Lat.	Long.	Speed	Course	Depth PS	Depth MS	Frequency	Pulse	Range	Record length	Unit time	Deso Nr.	Tape Nr.	Waterer	Notes
11.8.98	18:45	76°09.88	131°30.87	6.8	278.3	46.3	23.6	4	4	50	133	0	17	128	Didie	
	19:00	76°10.05	131°24.8	6.2	273.1	46.8	27.2	11	11	11	11	11	11	11	11	
	15	76°10.15	131°18.3	6.0	273.3	47.6	49.5	11	11	11	11	11	11	11	11	
	30	76°10.21	131°12.2	6.0	271.1	48.5	50.5	11	11	11	11	11	11	129	11	Tapewechsel 128 → 129
	45	76°10.21	131°06.0	8.2	262.1	49.5	50.7	11	11	11	11	11	11	11	11	
	20:00	76°10.35	130°59.10	6.0	285.7	50.5	52.2	11	11	11	11	11	11	11	11	Schwin
	15	76°10.80	130°53.41	6.7	286.1	50.8	51.0	11	11	11	11	11	11	11	11	
	30	76°11.17	130°47.1	5.6	268.5	51.4	52.0	11	11	11	11	11	11	11	11	
	45	76°11.7	130°41.06	6.6	244.5	52.8	53.8	11	11	11	11	11	11	11	11	
	21:00	76°11.06	130°35.14	6.2	246.5	52.8	53.0	11	11	11	11	11	11	11	11	
	15	76°09.45	130°28.21	6.3	246.4	52.7	54.0	11	11	11	11	11	11	11	11	
	30	76°08.9	130°23.08	6.1	246.5	53.0	53.6	11	11	11	11	11	11	11	11	
	45	76°08.83	130°16.77	6.2	276.4	53.1	52.7	11	11	11	11	11	11	11	11	
	22:00	76°08.80	130°10.62	6.7	281.2	53.3	53.8	11	11	11	11	11	11	11	11	2220
	15	76°07.71	129°04.266	6.1	286.4	53.6	55.7	11	11	11	11	11	11	130	11	Tape changed 129 → 130
	30	76°07.46	128°58.23	7.0	253.9	53.5	53.6	11	11	11	11	11	11	11	11	
	45	76°06.57	128°52.52	5.9	265.2	53.6	53.6	11	11	11	11	11	11	11	11	
	23:00	76°05.71	128°46.815	6.5	258.5	53.7	54.1	11	11	11	11	11	11	11	11	
	15	76°05.74	128°38.1	7.0	281.9	53.9	54.2	11	11	11	11	11	11	11	11	
	30	76°05.56	128°33.2	5.9	251.6	54.2	54.5	11	11	11	11	11	11	11	11	
	45	76°05.232	128°27.06	6.9	264.7	53.7	53.4	11	11	11	11	11	11	11	11	
12.8.98	0:00	76°05.734	128°27.866	6.7	286.3	53.4	52.7	11	11	11	11	11	11	11	11	Bude
	15	76°05.718	128°14.716	5.9	274.2	53.2	55.8	11	11	11	11	11	11	11	11	
	30	76°04.988	128°10.122	5.6	190.6	52.5	53.8	11	11	11	11	11	11	11	11	
	45	76°02.785	128°05.838	7.2	240.6	57.7	50.3	11	11	11	11	11	11	11	11	
	1:00	76°02.666	128°00.940	7.8	230.2	57.4	52.0	11	11	11	11	11	11	11	11	
	15	76°02.393	128°54.062	6.1	261.7	48.5	47.8	11	11	11	11	11	11	131	11	Tape changed at 1:29 130 → 131
	30	76°01.881	128°48.057	6.2	259.9	48.7	46.5	11	11	11	11	11	11	11	11	
	45	76°01.477	128°40.381	6.2	253.3	48.6	46.8	11	11	11	11	11	11	11	11	
	2:00	76°01.250	128°34.852	5.8	244.1	48.5	46.2	11	11	11	11	11	11	11	11	
	15	76°00.444	128°30.210	6.1	248.9	47.7	46.9	11	11	11	11	11	11	11	11	
	30	75°59.323	128°25.971	6.1	96.5	46.2	26.9	11	11	11	11	11	11	11	11	
	45	75°59.113	128°35.036	4.5	108.5	47.9	25.4	11	11	11	11	11	11	11	11	
	3:00	75°58.585	128°41.474	6.2	199.0	48.9	27.9	11	11	11	11	11	11	11	11	
	15	75°57.604	128°46.839	5.7	129.0	50.0	25.7	11	11	11	11	11	11	11	11	
	30	75°56.723	128°50.987	6.0	130.0	48.6	24.5	11	11	11	11	11	11	11	11	
	45	75°55.714	128°55.706	6.1	144.1	48.8	27.0	11	11	11	11	11	11	11	11	
	4:00	75°54.507	128°59.616	6.1	121.5	48.7	30.1	11	11	11	11	11	11	11	11	
	15	75°53.866	128°06.035	8.3	117.2	48.8	48.3	11	11	11	11	11	11	11	11	
	30	52.94	11.9	7.0	094	49	-	11	11	11	11	11	13	132	11	Tape 131 → 132
	45	52.8	6	6	100	49	48	11	11	11	11	11	11	11	11	
	5:00	52.5	17.2	6	107	50	49	11	11	11	11	11	11	11	11	



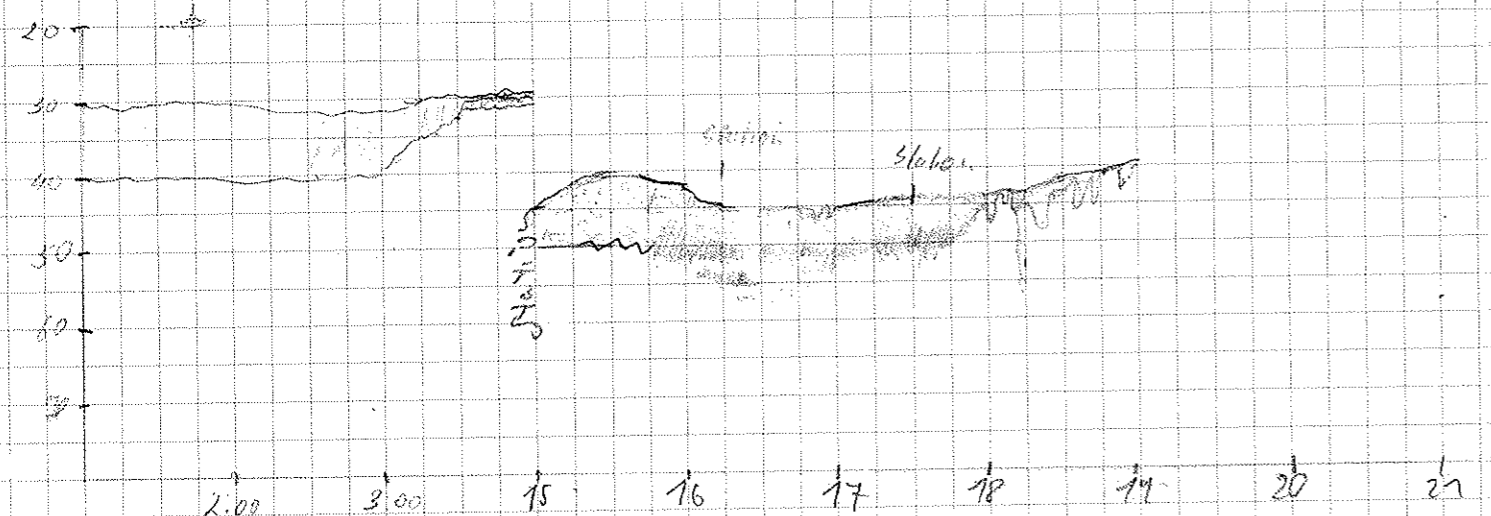
Date	Time	Lat.	Long	Speed	Course	Depth DS	Depth HS	Freq.	Pulse	Range	Rec. Length	Wait Time	Deso Nr	Tape Nr	Remarks
12.08.98	05:15	75° 52.1	129° 32.2	6	106	51	49	4	2	100	133	0	18	132	Deso 17 → 18
	05:30	51.6	39.5	5.6	114	52	51	4	"	"	"	"	"	"	"
	5:45	50.0	43.0	5.9	108	51	49	"	"	"	"	"	"	"	"
	6:00	50.5	48.0	5.7	113	52	51	"	"	"	"	"	"	"	"
	:15	50.0	53.3	5.5	117	52	52	"	"	"	"	"	"	"	Drecher
	:30	49.4	57.9	5.9	115	52	50	"	"	"	"	"	"	"	"
	:45	48.9	130° 03.4	5.7	125	52	53	"	"	"	"	"	"	"	"
07:00	48.2	09.0	5.8	114	52.5	49.3	"	"	"	"	"	"	"	"	"
	:15	47.6	14.2	5.8	115	54.5	51.2	"	"	"	"	"	"	"	"
	:30	47.1	19.3	5.7	110	52.6	52.9	"	"	"	"	"	"	"	"
	:45	46.6	25.3	5.2	97.6	50.3	52.2	"	"	"	"	"	"	133	Tape 132 → 133
08:00	46.1	30.2	6.0	113	49	52	"	"	"	"	"	"	"	"	"
	:15	75° 45.6	130° 36.2	6.1	108.2	51.9	50.0	"	"	"	"	"	"	"	Ergenz Gusev
	:30	75° 45.2	130° 41.8	6.2	107.9	51.2	52.0	"	"	"	"	"	"	"	"
	:45	75° 44.3	130° 40.4	6.1	248.7	51.3	51.6	"	"	"	"	"	"	"	"
09:00	75° 43.6	130° 35.1	6.5	241.5	51.0	54.8	"	"	"	"	"	"	"	"	"
	:15	75° 43.2	130° 28.8	6.4	254.1	49.1	50.0	"	"	"	"	"	"	"	"
	:30	75° 42.6	130° 23.0	5.9	247.8	51.7	53.1	"	"	"	"	"	"	"	"
	:45	75° 41.8	130° 17.7	6.3	251.6	53.6	53.8	"	"	"	"	"	"	"	"
10:00	75° 41.3	130° 12.4	6.2	230.7	53.2	53.3	"	"	"	"	"	"	"	"	"
	:15	75° 40.9	130° 06.8	6.5	247.4	52.0	50.9	"	"	"	"	"	"	"	"
	:30	40.1	130° 01.1	6.2	245.1	51.2	49.8	"	"	"	"	"	"	"	Fürst
	:45	39.6	129° 55.1	6.0	255.7	50.3	49.4	"	"	"	"	"	"	"	"
11:00	38.9	49.8	6.2	244.3	50.4	46.5	"	"	"	"	"	"	"	"	"
	:15	38.3	44.7	6.2	242.5	48.8	52.6	"	"	"	"	"	"	"	"
	:30	37.1	39.6	5.6	228.2	47.8	48.5	"	"	"	"	"	"	134	Tape 133 → 134
	:45	36.2	35.4	6.7	241.6	47.7	46.7	"	"	"	"	"	"	"	"
12:00	75° 35.3	129° 30.3	5.6	244.8	46.5	44.5	"	"	"	"	"	"	"	"	Helmh
12:15	75° 34.3	129° 26.1	4.4	280.6	47.0	45.3	"	"	"	"	"	"	"	"	"
	:30	75° 34.3	129° 21.1	4.3	269	44.3	41.9	"	"	"	"	"	"	"	"
	:45	75° 34.3	129° 16.1	5.5	284.3	44.8	25.6	"	"	"	"	"	"	"	"
13:00	75° 34.7	129° 11.2	5.1	251.3	45.1	43.5	"	"	"	"	"	"	"	"	"
	:15	75° 34.2	129° 06.5	5.5	254.2	45.5	28	"	"	"	"	"	"	"	"
	:30	75° 33.7	129° 02.9	4.5	240.2	45.2	44.1	"	"	"	"	"	"	"	"
	:45	75° 33.2	128° 58.3	5.8	248.3	45.7	45.1	"	"	"	"	"	"	"	"
14:00	75° 32.9	128° 53.1	6.9	259.3	43.2	41.5	"	"	"	"	"	"	"	"	Helmh
	:15	75° 31.7	128° 51.2	5.7	189.8	39.5	40.4	"	"	"	"	"	"	135	Tape 134 → 135
	:30	75° 30.5	128° 49.2	6.6	213.3	43.7	21.8	"	"	"	"	"	"	"	"
	:45	76° 29.6	128° 48.2	4.4	173.2	43.7	26.7	"	"	"	"	"	"	"	"
15:00	76° 27.9	128° 47.7	6.0	188.9	42.3	40.8	"	"	"	"	"	"	"	"	"



Date	Time	Lat.	Long	Speed	Course	Depth PS	Depth HS	Frequenz	Pulse	Range	Rec Length	Wait time	Desc no.	Tape no.	Name	remarks
12.08.98	15:15	75°26.9	128°51.1	6.2	116.0	42.4	28.2	4	2	100	133	0	18	135	Külu	
	30	26.2	55.8	5.0	124.7	42.2	40.9	"	"	"	"	"	"	"	"	
	45	25.5	129°00.8	5.9	118.0	43.1	45.7	"	"	"	"	"	"	"	"	
	16:00	75°24.8	129°05.3	4.6	119.3	44.2	48.1	"	"	"	"	"	"	"	Wagen	
	15	24.0	10.6	4.6	120.8	44.2	29.9	"	"	"	"	"	19	"	"	Deso 18 → 19
	30	23.4	14.4	5.1	123.6	43.4	29.8	"	"	"	"	"	"	"	"	
	45	22.6	19.6	5.6	122.3	43.2	27.3	"	"	"	"	"	"	"	"	
	17:00	21.9	24.1	5.6	121.6	42.9	26.5	"	"	"	"	"	"	"	"	
	15	21.2	28.3	4.3	126.3	43.8	33.9	"	"	"	"	"	"	"	"	
	30	20.4	33.1	6.3	123.9	45.0	35.7	"	"	"	"	"	"	"	"	
	45	19.7	37.9	5.3	122.0	45.2	26.8	"	"	"	"	"	"	136	"	Tape 135 → 136
	18:00	18.9	42.8	6.3	119.6	45.5	46.3	"	"	"	"	"	"	"	"	
	15	18.2	48.4	5.8	117.4	45.9	46.7	"	"	"	"	"	"	"	"	
	30	17.5	52.9	5.2	121.1	45.8	45.8	"	"	"	"	"	"	"	"	
	45	16.8	57.4	5.8	126.6	45.8	48.2	"	"	"	"	"	"	"	"	
	19:00	16.1	130°02.0	5.9	118.0	45.9	47.5	"	"	"	"	"	"	"	"	
	15	15.5	06.6	5.5	118.4	45.7	46.4	"	"	"	"	"	"	"	"	
	30	14.7	11.2	5.3	120.6	45.4	48.3	"	"	"	"	"	"	"	"	
	45	14.1	16.0	5.6	103.9	44.5	46.7	"	"	"	"	"	"	"	"	
	20:00	75°13.4	130°20.7	5.6	124.0	43.8	46.7	"	"	"	"	"	"	"	Strobl	
	15	75°12.7	130°25.1	5.4	123.0	43.2	44.9	"	"	"	"	"	"	"	"	
	30	75°11.9	130°29.6	5.5	117.9	42.5	45.7	"	"	"	"	"	"	"	"	
	45	75°11.2	130°34.0	5.4	123.7	41.9	44.8	"	"	"	"	"	"	137	"	Tape 136 → 137
	21:00	75°10.6	130°38.1	5.3	116.2	40.7	43.5	"	"	"	"	"	"	"	"	
	15	75°09.9	130°43.3	5.5	111.1	40.8	44.4	"	"	"	"	"	"	"	"	
	30	75°09.3	130°48.1	5.5	120.6	44.6	45.8	"	"	"	"	"	"	"	"	
	45	75°08.9	130°51.9	3.5	108.2	44.0	43.7	"	"	"	"	"	"	"	"	
	22:00	75°08.7	130°54.2	4.1	151.8	42.5	43.0	"	"	"	"	"	"	"	"	
	15	75°08.6	130°53.7	12.7	182.9	39.1	40.4	"	"	"	"	"	"	"	"	
	30	75°08.6	130°53.0	12.6	185.3	34.1	37.9	"	"	"	"	"	"	"	"	22:32.57 Bereich geändert von 30 auf 20m
	45	75°01.5	130°53.7	2.0	80.1	32.2	36.8	"	"	"	"	"	"	"	"	
	23:00	75°01.6	130°53.7	0.1	76.8	37.0	38.5	"	"	"	"	"	"	"	"	
	15	75°01.6	130°54.2	6.4	102.0	38.9	34.2	"	"	"	"	"	"	"	"	Station 22.49 Uhr (paper speed verringert)
	30	75°01.5	130°55.2	0.1	78.2	37.1	34.2	"	"	"	"	"	"	"	"	23.13 cruising speed
	45	75°01.4	130°56.7	0.9	317.9	33.1	36.4	"	"	"	"	"	"	"	"	→ 23.25 station speed
13:08 98	24:00	75°01.3	130°56.5	0.3	196.7	33.0	36.4	"	"	"	"	"	"	"	"	→ 23.37 cruising speed
	15	75°01.135	130°57.91	1.5	147.1	36.7	35.5	-11-	-11-	-11-	-11-	-11-	-11-	130	"	23.42 station Speed nicht geändert
	30	75°01.32	130°58.282	1.1	358.2	33.1	36.1	-11-	-11-	-11-	-11-	-11-	-11-	-11-	-11-	→ 24.15 changing Tape 137 → 138
	45	75°01.214	130°58.352	0.8	108.1	32.5	33.8	-11-	-11-	-11-	-11-	-11-	-11-	-11-	-11-	
	1:00	75°01.147	130°58.214	2.4	119.2	31.9	35.8	-11-	-11-	-11-	-11-	-11-	-11-	-11-	-11-	



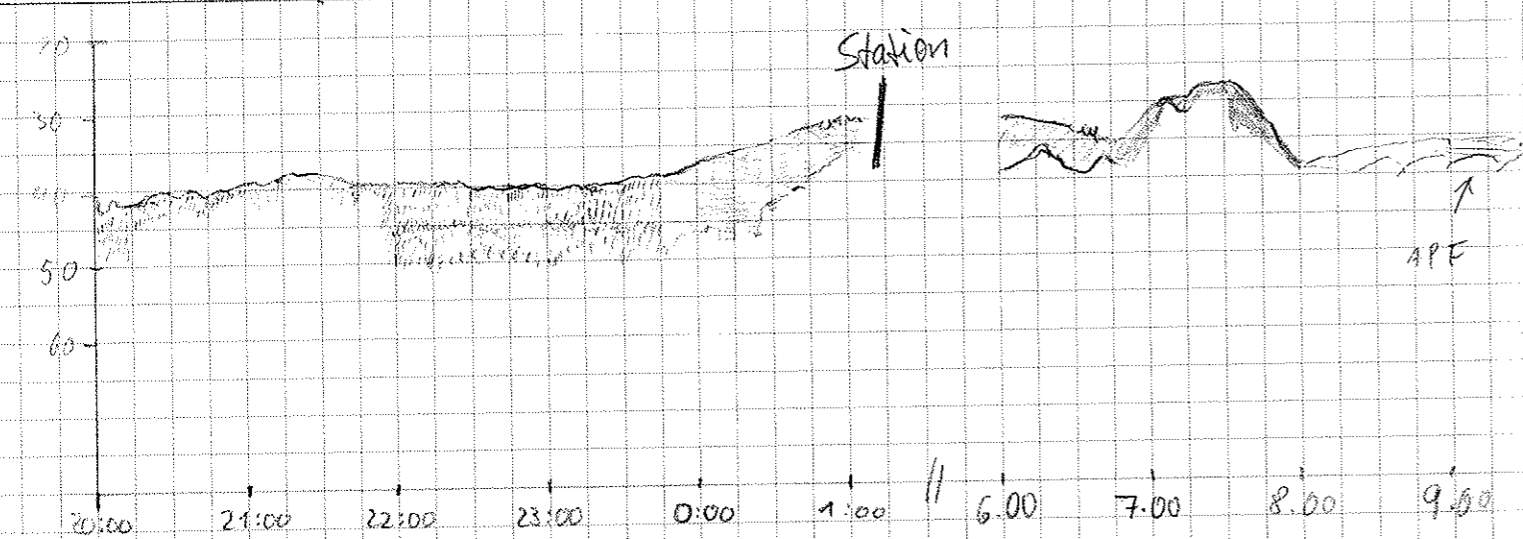
Date	Time	Latitude (°N)	Longitude (°E)	Speed (knot)	Course (°)	Depth PS	Depth MS	Frequency	Pulse	Range	Rec. Length	Wait time	Disc. #	Tape #	Name	No. See
13.08.91	1:15	75°01.151	130°59.232	0.6	174.5	31.9	35.2	4	2	100	132	0	19	138	Wolowick	
	:30	75°01.108	130°59.214	0.1	64.8	31.8	35.0	-11-	-11-	-11-	-11-	-11-	-11-	-11-	"	
	:45	75°01.111	130°59.186	0.7	242.6	35.1	34.6	-11-	-11-	-11-	300	-11-	-11-	-11-	"	
	2:00	75°01.104	130°59.155	2.2	319.2	31.7	34.6	-11-	-11-	-11-	-11-	-11-	-11-	-11-	"	
	:15	75°01.090	131°00.381	1.1	110.5	31.2	33.4	-11-	-11-	-11-	-11-	-11-	-11-	-11-	"	
	:30	75°01.021	131°00.601	0.1	304.7	31.6	32.9	-11-	-11-	-11-	-11-	-11-	-11-	-11-	"	
	:45	75°00.955	131°01.961	0.3	169.3	31.2	32.6	-11-	-11-	-11-	-11-	-11-	-11-	-11-	"	
	3:00	75°00.935	131°01.942	1.1	154.0	30.0	33.1	-11-	-11-	-11-	-11-	-11-	-11-	-11-	"	
	:15	75°00.892	131°03.310	0.2	141.9	30.7	30.4	-11-	-11-	-11-	-11-	-11-	-11-	-11-	"	
	:30	75°00.765	131°04.204	3.4	122.8	29.9	29.2	-11-	-11-	-11-	0	-11-	-11-	-11-	"	
	:45	75°00.715	131°04.214	0.2	313.4	30.3	27.6	-11-	-11-	-11-	30.0	-11-	-11-	-11-	"	
	4:00	75°00.697	131°06.046	0.3	1.2	26.0	29.1	-11-	-11-	-11-	-11-	-11-	-11-	-11-	"	
	:15															
	:30															
	:45															
	5:53	75°02.4	131°02.2	13.0	335	30.9	33.0	1.	"	"	0	"	"	"	Drachon	End of station
	05:00	03.6	130°59.9	13.2	334	33.2	34.8	1.	"	"	"	"	"	"	"	
	:15	06.6	54.5	9.8	332	41.2	40.3	1.	"	"	"	"	"	"	"	
	:30	08.5	50.8	9.0	336	44.4	46.6	1.	"	"	"	"	"	"	"	
	:45	10.5	47.2	7.3	304	41.2	40.3	1.	"	"	"	"	"	"	"	
	06:00	09.1	50.1	0.8	129.6	43.5	43	1.	"	"	30	"	"	"	"	Station
	15:15	75°09.7	130°48.8	9.8	289	45	45.1	1.	"	"	"	"	"	"	Rauel	End of station
	15:30	75°10.3	130°41.2	12.0	289.7	40	43.2	1.	"	"	"	"	139	"	"	138 → 139 tape
	15:45	75°11.2	130°30.0	12.7	285	41.9	42.7	1.	"	"	"	"	"	"	"	
	16:00	75°12.3	130°18.	12.7	290.8	43	43.9	1.	"	"	"	"	"	"	"	
	16:15	75°13.0	130°07.	0.8	19.3	44	45	1.	"	"	"	"	"	"	Nölemann	
	16:30	Station									30	"	"	"	"	
	16:45	75°13.3	130°01.8	12.7	267.6	44	46	1.	"	"	0	"	"	"	Nölemann	
	17:00	75°13.1	129°50.2	12.3	268.4	44	45	1.	"	"	"	"	"	"	"	
	17:15	75°13.0	129°37.5	12.8	268	43	45	1.	"	"	"	"	"	"	"	
	17:30	Station									30	"	"	"	"	
	17:45	75°12.9	129°30.0	5.8	296	43	43	1.	"	"	0	"	"	"	"	
	18:00	75°12.5	129°20.7	11.2	260	42	42	1.	"	"	"	"	"	"	"	
	18:15	75°12.0	129°09.8	9.7	260	42	42	1.	"	"	"	"	"	"	"	
	18:30	75°11.9	129°00.5	9.7	268	40	38	1.	"	"	"	"	"	"	"	
	18:45	75°11.3	128°51.8	9.6	257	40	39	1.	"	"	"	"	"	"	"	139 → 140
	19:00	75°11.9	128°43.1	9.2	318	39	35	1.	"	"	"	"	140	"	"	
	19:15	75°13.5	128°38.6	5.5	320	41	42	1.	"	"	"	"	"	"	"	
	19:18	Station 75°13.6	128°38.9								30	"	"	"	"	



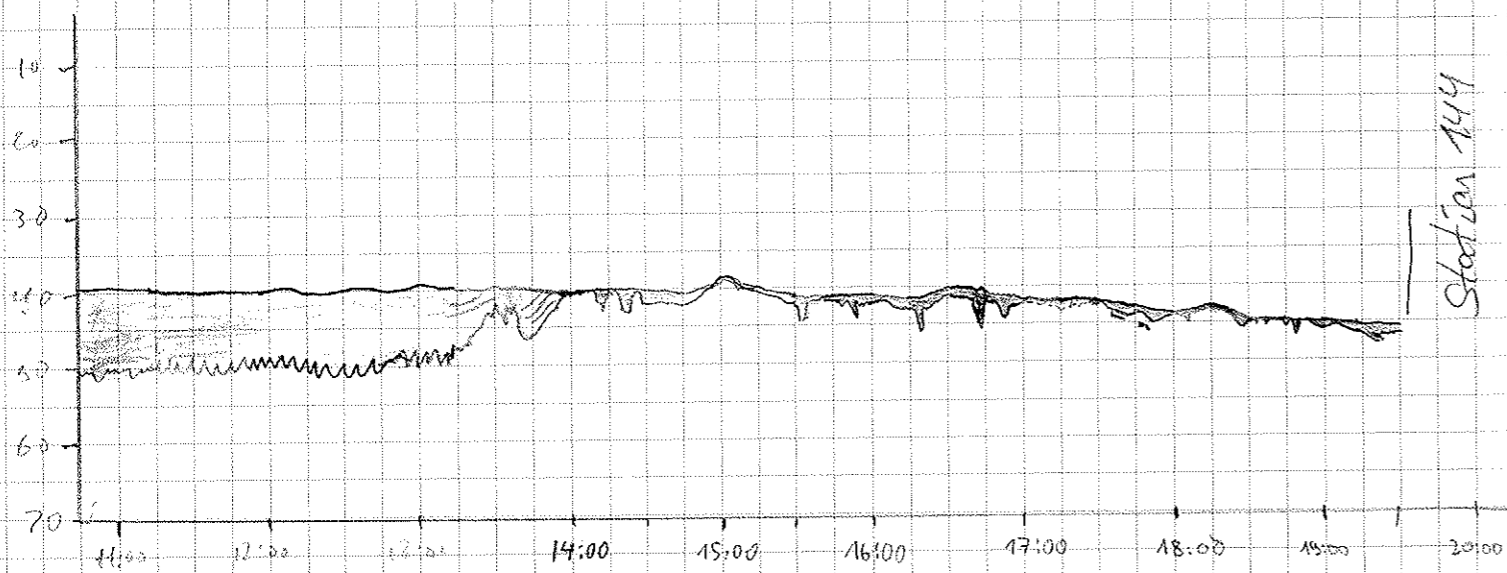
DATE	TIME	LATITUDE N	LONGITUDE E	SPEED Km	COURSE	DEPTH PS	DEPTH MS	FREQV	PULSE	RANGE	REL LENGTH	WAIT TIME	DESD No	TAPE No	NAME	NOTES
13.08.98	20:00	75° 13.8	128° 38.8	6.3	288.8	47.7	40.8	4	2	100	133	0	19	140	Binder	
	:15	75° 15.6	128° 32.3	11.4	50.3	41.6	40.9	"	"	"	"	"	"	"	"	
	:30	75° 16.0	128° 38.3	12.0	188.1	40.0	37.3	"	"	"	"	"	"	"	"	
	:45	75° 12.8	128° 37.9	13.4	176.8	40.2	39.5	"	"	"	"	"	"	"	"	
21:00	75° 09.6	128° 39.1	10.8	159.3	38.0	36.3	"	"	"	"	"	"	"	"	"	
	:15	75° 07.4	128° 43.6	9.7	147.0	37.7	35.9	"	"	"	"	"	"	"	"	
	:30	75° 05.4	128° 48.7	9.6	146.0	37.0	35.4	"	"	"	"	"	"	"	"	
	:45	75° 03.4	128° 53.8	9.7	146.3	39.6	38.2	"	"	"	"	"	"	"	"	
22:00	75° 01.6	128° 59.0	9.3	135.8	40.3	42.8	"	"	"	"	"	"	"	"	"	
	:15	74° 60.0	129° 06.0	9.3	130.2	40.6	41.0	"	"	"	"	"	"	"	"	
	:30	74° 58.0	129° 10.0	9.4	154.6	39.6	42.1	"	"	"	"	"	"	"	"	22 ⁴⁰ changed Tape 140 → 141
	:45	74° 55.6	129° 14.1	8.7	151.3	47.0	42.0	"	"	"	"	"	"	141	"	
23:00	74° 53.7	129° 17.8	9.6	153.6	40.8	41.6	"	"	"	"	"	"	"	"	"	
	:15	74° 51.5	129° 21.7	9.6	154.3	40.3	41.7	"	"	"	"	"	"	"	"	
	:30	74° 49.4	129° 26.3	9.7	150.5	39.1	42.1	"	"	"	"	"	"	"	"	
	:45	74° 47.4	129° 31.0	9.6	147.5	37.9	38.9	"	"	"	"	"	"	"	"	
14.08.98	0:00	74° 55.38	129° 35.85	9.5	147.6	36.7	39.0	"	"	100	"	"	"	"	Didie	
	:15	74° 43.34	129° 40.62	9.6	149.4	35.6	37.4	"	"	"	"	"	"	"	"	
	:30	74° 41.31	129° 45.26	9.4	148.6	34.7	36.7	"	"	"	"	"	"	"	"	
	:45	74° 39.32	129° 49.84	8.9	150.8	33.8	36.2	"	"	"	"	"	"	"	"	
1:00	74° 37.70	129° 53.46	3.1	144.8	33.0	35.0	"	"	"	"	"	"	"	"	"	
	:15	74° 37.59	129° 53.84	0.2	238.1	33.1	36.3	"	"	"	"	"	"	"	"	
	:24	74° 37.58	129° 53.83	0.1	167.4	33.2	36.4	"	"	"	"	60	"	"	"	Station
6:00	74° 35.3	130° 06.1	11.2	236.3	21.7	35.2	"	"	"	"	"	"	"	"	Strobl	paper speed cruising
	:15	74° 33.5	129° 56.4	12.9	235.2	32.9	36.0	"	"	"	"	"	"	"	"	
	:30	74° 31.2	129° 44.5	13.2	233.9	36.4	38.0	"	"	"	"	0	"	"	"	
	:45	74° 29.7	129° 36.9	13.1	232.5	51.0	35.4	"	"	"	"	"	"	"	"	
7:00	74° 28.2	129° 30.1	5.4	234.2	30.1	28.9	"	"	"	"	"	"	"	"	"	7 ⁰⁰ Tape changed 141 → 142
	:15	74° 27.3	129° 29.6	4.7	109.5	27.6	25.7	"	"	"	"	"	"	"	"	7 ¹⁷ Fenster von 20m auf 10m verstellt
	:30	74° 27.8	129° 32.3	5.4	329.7	28.0	25.0	"	"	"	"	"	"	"	"	
	:45	74° 28.9	129° 29.8	5.3	330.0	32.8	30.7	"	"	"	"	"	"	"	"	7 ⁴⁵ Fenster von 10m auf 20m verstellt
8:00	74° 30.2	129° 27.3	6.0	334.7	39.3	34.3	"	"	"	"	"	"	"	"	"	
	:15	31.6	24.5	5.8	333	36	37	"	"	"	"	"	"	142	"	
	:30	33.4	21.6	5.8	339	35	36	"	"	"	"	"	"	"	"	
	:45	31.1	20.6	5.9	340	35	36	"	"	"	"	"	"	"	"	
9:00	35.6	18.4	6.0	338	36	36	"	"	"	"	"	"	"	"	"	
	:15	37.0	16.3	5.9	336	36.2	37.1	"	"	"	"	"	"	"	"	
	:30	38.4	14.0	5.8	339	37	39	"	"	"	"	"	"	"	"	
	:45	39.9	11.7	6.1	337	38	37	"	"	"	"	"	"	"	"	
10:00	41.2	09.7	6.2	339	38	39	"	"	"	"	"	"	"	"	"	
	:15							"	"	"	"	"	"	"	"	

SYSTEM CRASH

Tape 2/2 wirft nicht aus
change 2/2 auf 1/2
Tape 1402 → 143



Date	Time (GMT)	Latitude (N)	Longitude (E)	Speed (kn)	Course	Depth, m		Frequency (kHz)	Pulse	Range	Receiv. Length	Waxt. Time	DE 30 N°	Tape N°	Wet. Net (Name)	W of E S
						PS	HS									
14.09.98	10:45	74° 46.6	129° 03.4	6.1	336	39	40	4	2	100	133	0	20	143	Draeger	
	11:00	46.8	01.5	5.8	337	39.4	40.4	"	"	"	"	"	"	"	"	
	:15	48.1	128° 59.4	5.8	338	39.8	42	"	"	"	"	"	"	"	"	
	:30	49.6	59.6	5.9	34	41.4	41.9	"	"	"	"	"	"	"	"	
	:45	51.2	59.9	6.1	1.7	40	41	"	"	"	"	"	"	"	"	
	12:00	52.6	129° 00.1	5.7	0.8	40	41	"	"	"	"	"	"	"	"	
	:15	74° 54.0	129° 00.0	6.2	358	39.8	41.5	"	"	"	"	"	"	"	"	E.M.
	:30	74° 55.5	128° 59.9	5.4	001	40.2	41.5	"	"	15	11	"	"	"	"	
	:45	74° 56.9	129° 00.0	6.2	359	39.8	42.2	"	"	"	"	"	"	"	"	
	13:00	74° 58.5	128° 59.9	6.2	357	40.1	41.6	"	"	"	"	"	"	"	"	
	:15	75° 00.1	128° 59.6	6.3	000	40.5	42.0	"	"	"	7	"	"	"	"	
	:30	75° 01.2	128° 59.7	6.4	001	40.3	39.8	"	"	"	"	"	"	143 → 144	"	Tape 143 → Tape 144
	:45	75° 03.2	128° 59.7	5.5	004	39.7	38.6	"	"	"	"	"	"	144	"	
	14:00	09.6	129° 00.2	6.2	3.4	40.3	39.7	"	"	"	"	"	"	"	"	
	:15	06.2	00.3	6.0	0.2	40.3	39.0	"	"	"	"	"	"	"	"	
	:30	07.7	00.3	6.0	359.8	40.3	39.2	"	"	"	"	"	"	"	"	
	:45	09.3	00.2	5.7	356.4	40.9	41.0	"	"	"	"	"	"	"	"	
	15:00	10.7	00.1	5.8	355.8	37.9	36.5	"	"	"	"	"	"	"	"	
	:15	12.2	00.2	6.1	2.6	40.7	38.5	"	"	"	"	"	"	"	"	
	:30	13.6	00.2	6.0	357.6	41.5	40.8	"	"	"	"	"	"	"	"	
	:45	75° 15.2	129° 00.1	6.1	358.6	41.8	40.7	"	"	"	"	"	"	"	"	
	16:00	75° 16.6	129° 00.2	5.8	359.2	42.2	40.2	"	"	"	"	"	"	"	"	Helmholtz
	:15	18.0	00.5	5.5	8	42.7	42.6	"	"	"	"	"	"	"	"	
	:30	19.5	00.7	6	357.1	40.1	38.1	"	"	"	"	"	"	"	"	
	:45	20.9	00.5	5.9	3.7	42.2	40	"	"	"	"	"	"	145	"	Tape 144 → 145
	17:00	22.4	01.0	6.7	348.4	42.7	41.2	"	"	"	"	"	"	"	"	
	:15	24.0	00.6	6.0	354.9	43	41	"	"	"	"	"	"	"	"	
	:30	25.4	00.1	5.3	353	43.1	24.7	"	"	"	"	"	"	"	"	
	:45	26.8	128° 59.7	5.3	9.9	43.9	29.8	"	"	"	"	"	"	"	"	
	18:00	28.3	129° 00.6	6	354.7	44.3	28.6	"	"	"	"	"	"	"	"	
	:15	29.7	00.1	6.1	354.9	43.5	23.3	"	"	"	"	"	"	"	"	
	:30	31.3	128° 59.8	6	358.1	44.5	27.3	"	"	"	"	"	"	"	"	
	:45	32.8	129° 00.0	5.9	13.0	45.7	26.7	"	"	"	"	"	"	"	"	
	19:00	34.1	03.0	6.2	44.2	46	22.3	"	"	"	"	"	"	"	"	
	:15	34.8	07.8	3.4	101.3	46.5	23.7	"	"	"	"	"	"	"	"	
	:30	34.6	05.3	0.2	174.7	46.4	27.7	"	"	"	"	"	"	"	"	
	20:30	75° 34.3	129° 13.7	8.8	112.9	45.8	27.7	"	"	"	"	60 60	"	"	"	station until 20:25



Date	Time	Lat	Long	Speed	Course	Depth PS	Depth HS	Frequency	Pulse	Range	Revol Length	Wait time	Deso no.	Tape no	Name
14.08.98	20.45	75° 33.3	129° 23.8	10.7	110.8	45.3	27.4	4	2	100	133	0	20	145	Mil-Lu
	21.00	32.7	33.6	11.3	103.4	47.1	30.7	"	"	"	"	"	"	146	"
	21.15	32.0	44.1	9.8	103.4	48.6	28.8	"	"	"	"	"	"	"	"
	21.30	31.3	53.6	11.3	108.8	49.4	28.6	"	"	"	"	"	"	"	"
	21.45	30.5	130° 03.4	9.4	101.5	50.3	26.6	"	"	"	"	"	"	"	"
	22:00	30.1	12.5	7.0	101.4	51.5	29.9	"	"	"	"	"	"	"	"
	23.15	30.7	06.2	10.7	263.7	49.8	—	"	"	"	"	"	"	"	"
	23.30	30.0	129° 56.1	10.4	270.7	49.7	—	"	"	"	"	"	"	"	"
	23.45	30.0	129° 46.3	9.4	271.5	48.7	—	"	"	"	"	"	"	"	"
15.08.98	24.00	30.1	129° 36.7	10.4	270.7	46.0	44.3	"	"	"	"	"	"	"	"
	0:15	30.0	24.8	13.6	269.6	45.2	44.8	"	"	"	"	"	"	"	"
	:30	75° 30.0	129° 11.9	13.4	268.5	45.2	45.7	"	"	"	"	"	"	"	Wagner
	:45	29.9	128° 58.6	13.2	281.5	42.8	40.8	"	"	"	"	"	"	"	"
	1:00	30.0	45.0	13.4	268.7	43.4	41.4	"	"	"	"	"	"	147	"
	:15	29.9	34.7	8.7	261.6	44.6	44.5	"	"	"	"	"	"	"	"
	:30	30.0	24.4	11.6	270.8	44.2	44.0	"	"	"	"	"	"	"	"
	:45	29.9	15.9	11.1	274.4	46.4	43.5	"	"	"	"	"	"	"	"
	2:00	30.1	03.1	12.9	278.2	45.1	45.9	"	"	"	"	"	"	"	"
	:15	30.0	50.9	6.1	266.2	41.0	40.1	"	"	"	"	"	"	"	"
	3:30	30.1	127° 35.4	17.0	281.2	44.4	44.7	"	"	"	"	"	"	"	"
	:45	30.1	23.2	12.6	268.7	44.5	44.0	"	"	"	"	"	"	"	"
	4:00	29.9	10.1	12.9	260.7	43.9	43.2	"	"	"	"	"	"	"	"
	:15	75° 29.591	128° 58.768	10.9	263.3	43.5	47.7	"	"	"	"	"	"	"	"
	:30	75° 29.361	126° 49.784	6.7	303.3	43.0	27.1	"	"	"	"	"	"	148	"
	:45	75° 29.874	126° 43.161	6.4	261.3	42.9	27.4	"	"	"	"	"	"	"	"
	5:00	29.752	33.879	17.1	254.9	41.8	41.4	"	"	"	"	"	"	"	"
	:45	75° 29.347	126° 29.533	8.6	259.9	41.7	21.6	"	"	"	"	"	"	"	"
	:30	29.411	18.312	9.4	278.7	41.7	40.1	"	"	"	"	"	"	"	"
	:45	29.480	08.702	6.4	258.4	41.6	28.1	"	"	"	"	"	"	"	"
	6:00	75° 29.826	126° 00.708	8.3	281.4	41.1	26.9	-11-	-11-	-11-	-11-	-11-	-11-	-11-	Kholodov
	:15	75° 30.293	12 5° 56.464	0.2	305.3	41.1	40.7	-11-	-11-	-11-	30	-11-	-11-	-11-	Station 147
	:30	85° 20.266	145° 56.105	0.1	20.7	41.2	41.0	-11-	-11-	-11-	-11-	-11-	-11-	-11-	"
	:45	75° 30.264	125° 56.508	0.2	142.1	41.2	40.7	-11-	-11-	-11-	-11-	-11-	-11-	-11-	"
	7:00	75° 30.191	125° 43.266	0.6	72.5	41.2	39.2	-11-	-11-	-11-	-11-	-11-	-11-	-11-	"
	:15	75° 30.167	125° 56.325	0.3	228.3	41.3	41.3	-11-	-11-	-11-	-11-	-11-	-11-	-11-	"
	:30	75° 28.968	125° 50.051	8.3	223.1	41.6	41.4	-11-	-11-	-11-	-11-	-11-	-11-	-11-	"
	:45	75° 28.767	125° 39.623	13.1	182.5	41.2	41.6	-11-	-11-	-11-	-11-	-11-	-11-	-11-	"
	8:00	28.5	86.5	13.0	270	42	41	"	"	"	"	"	"	"	Drochew

Changed Tape 145 → 146

Station 145 until 23:00

Hydroscop abgestürzt

Wagner

Tape 146 → 147

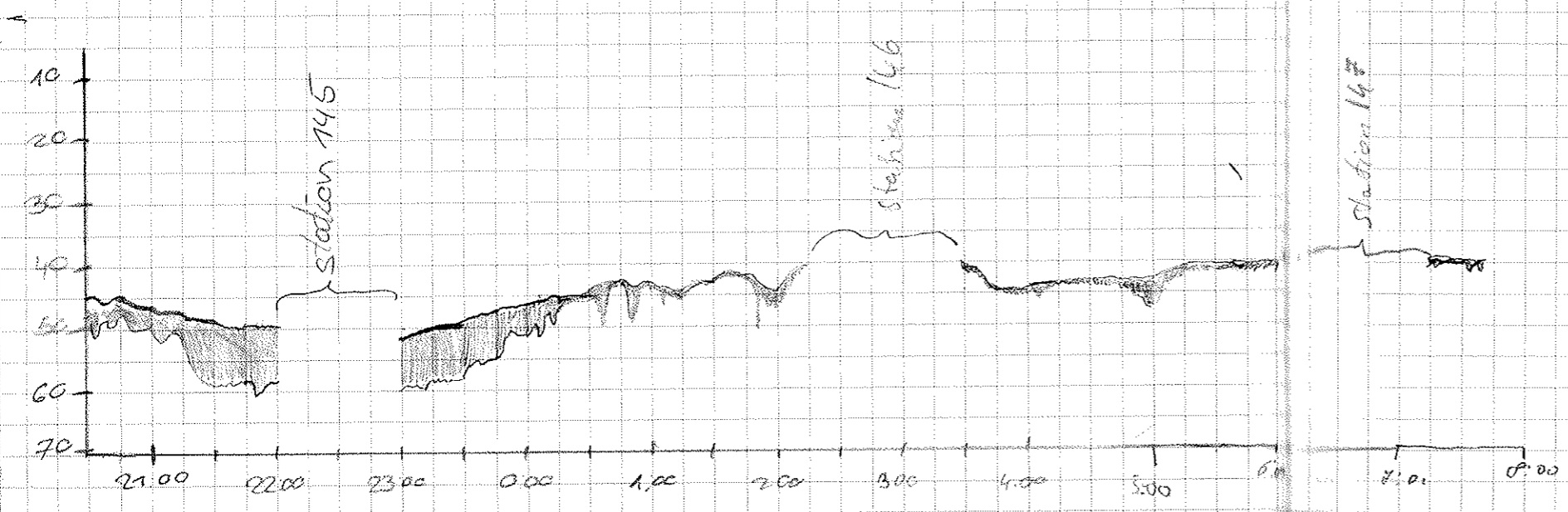
Station 146 until 3:30

Buck

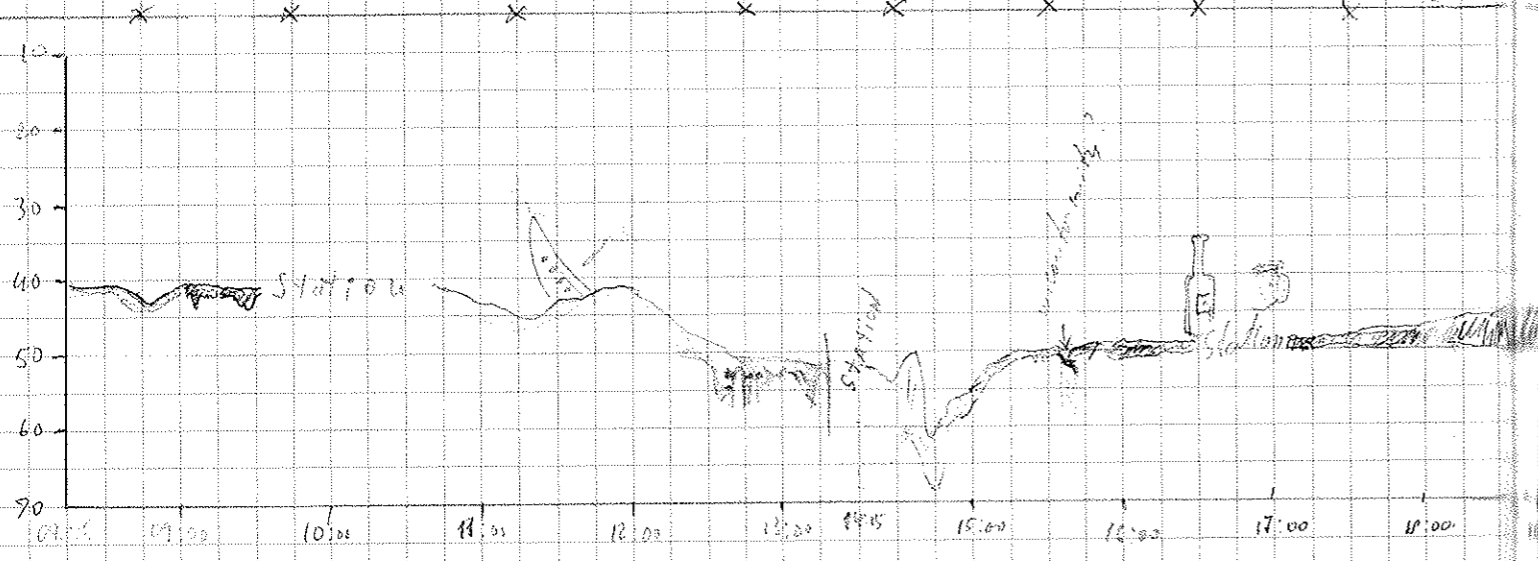
Tape change at 4:28 147 → 148
 This recording in this tape - Kholodov!

Station 147

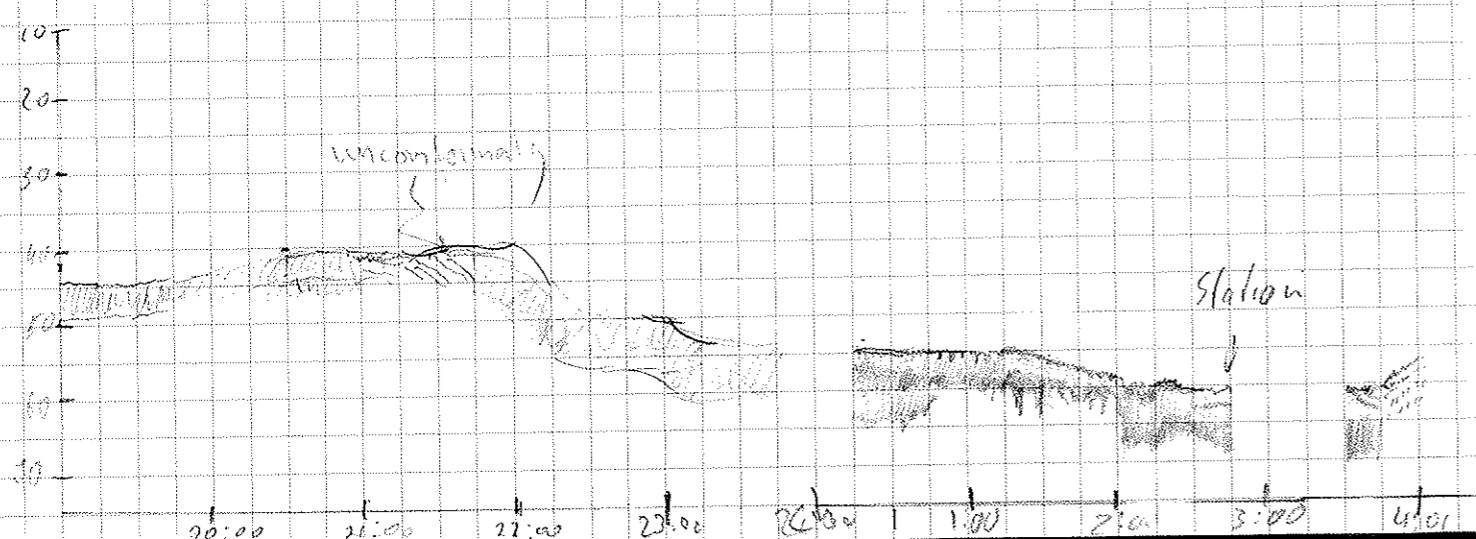
7:16 - Changed Deso 20 - 21
 7:22 (75° 29' N 126° 33' E)



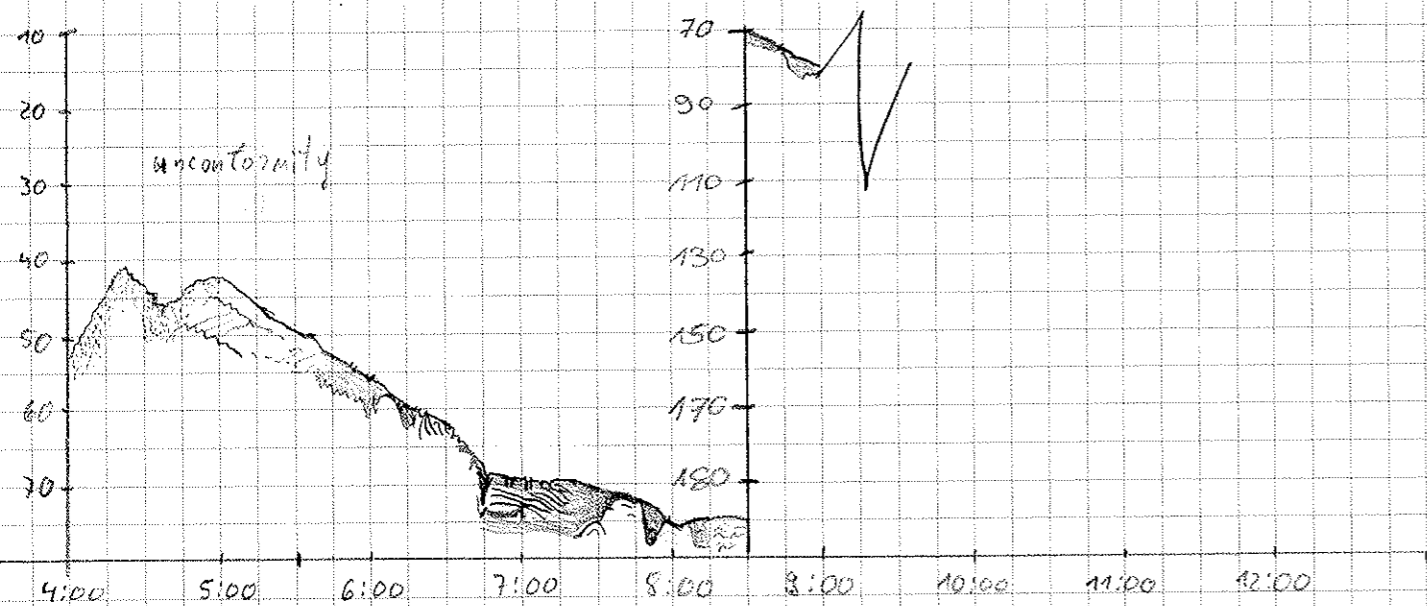
Date	Time	Latitude (°N)	Longitude (°E)	Speed (kn)	Course (°)	Depth ps	Depth ms	Drift	Pulse	Range	Record Length	Wait time	Deso N	Table N	Name	Noticed
15.06.99	08:15	75°29.0	125°14.8	14.4	286	42	41	4	2	100	133	0	21	148	Draher	
	:30	29.2	03.4	13.1	265	43	42	"	"	"	"	"	"	"	"	
	:45	29.07	124°50.4	12.5	272	43	43	"	"	"	"	"	"	149	"	Tape 148 → 149
	09:00	29.7	35.8	12.8	307	43.0	41.4	"	"	"	"	"	"	"	"	
	:15	30	25.7	13.2	271	42	41	"	"	"	"	"	"	"	"	
	:30	30.0	12	13.2	278	42	39	"	"	"	"	"	"	"	"	
	:45	30.2	123°59.8	7.3	309	43.7	41	"	"	"	"	"	"	"	"	
	10:00	30.0	55.3	0.3	297	44.2	42.3	"	"	"	"	60	"	"	V. Larcher	Station
	11:00	30.0	50.7	12.9	270	43.0	44.7	"	"	"	"	0	"	"	-	End Station
	11:07	30.0	44.5	13.3	270	41.0	46.4	"	"	"	"	0	"	"	-	
	11:15	30.0	37.4	13.5	270	43.8	42.7	"	"	"	"	0	"	"	-	
	11:30	30.0	24.1	13.5	270	48.2	42.4	"	"	"	"	"	"	"	-	
	11:45	30.0	10.7	13.3	277	49.7	42.5	"	"	"	"	"	"	"	-	
	12:00	75°30.0	122°57.6	13.3	271.3	45.1	43.4	"	"	"	"	"	"	"	Ergeny Gusev	
	:15	30.0	44.7	13.2	269.4	51.6	50.4	"	"	"	"	"	"	"	-	
	:30	30.0	31.0	13.4	270.6	52.5	51.6	"	"	"	"	"	"	"	-	
	:45	75°29.9	122°17.8	13.2	269.4	50.4	49.0	"	"	"	"	"	"	150	-	Tape 149 → 150
	13:00	75°30.0	122°04.9	13.3	270.4	50.6	47.9	"	"	"	"	"	"	"	-	
	:15	75°30.0	121°56.9	0.9	25.4	53.8	55.0	"	"	"	"	30	"	"	-	Station.
	:30	30.0	56.9	0.1	-	53.8	54.3	"	"	"	"	"	"	"	-	
	14:00															
	14:30	75°30.7	121°40.6	12.9	283.8	53.9	52.5	"	"	"	"	0	"	"	Taldenkera	
	14:45	75°31.3	121°27.9	13.0	283.4	57.0	56.0	"	"	"	"	"	"	"	-	
	15:00	75°21.9	121°15.7	13.0	285.1	53.8	52.8	"	"	"	"	"	"	"	-	
	:15	75°32.5	121°02.2	13.3	279.6	51.9	50.7	"	"	"	"	"	"	"	-	
	:30	75°32.9	120°49.1	13.2	277.6	50.3	48.6	"	"	"	"	"	"	"	-	
	:45	75°33.5	120°35.1	13.2	278.7	48.7	47.6	"	"	"	"	"	"	"	-	
	16:00	75°33.962	120°23.207	18.0	286.7	48.7	46.8	"	"	"	"	"	"	"	-	
	:15	75°34.861	120°10.602	13.0	286.8	47.0	45.4	"	"	"	"	"	"	"	-	
	:30	75°35.082	120°00.559	3.5	220.9	46.1	46.7	"	"	"	"	"	"	"	-	
	:45	75°35.064	120°00.640	0.0	135	46.1	46.0	"	"	"	"	30.0	"	"	-	
	17:00	75°35.038	120°00.667	0.2	171.6	45.0	46.1	"	"	"	"	"	"	"	-	
	:15	75°34.935	119°59.822	8.4	280.2	45.9	44.1	"	"	"	"	0.0	"	"	-	16:35 Station.
	:30	75°36.886	119°57.917	13.5	314.2	45.6	43.9	"	"	"	"	"	"	"	-	
	:45	75°39.157	119°41.286	13.0	310.0	44.3	42.7	"	"	"	"	"	"	157	-	17:34 Changing Deso 150-151
	18:00	75°41.142	119°32.304	12.8	315.8	43.1	41.4	"	"	"	"	"	22	"	-	17:47-17:54 Changing deso 21 → 22
	:15	75°43.383	119°22.624	13.1	310.6	41.6	30.0	"	"	"	"	"	"	"	-	
	:30	75°45.412	119°12.628	11.8	310.1	43.6	41.3	"	"	"	"	"	"	"	-	
	:45	75°47.442	119°02.983	11.7	312.1	44.4	40.5	"	"	"	"	"	"	"	-	
	19:00	75°49.587	118°53.349	12.8	312.7	44.5	43.1	"	"	"	"	"	"	"	-	



Date	Time GMT	Latitude (°N)	Longitude (°E)	Speed (kts)	Course (°)	Depth FS	Depth HS	Frequency	Pulse	Range	Record Count	Wait Time	Dr. No.	Tape No.	Name	Notes
15. 08. 31	19:15	75°51.458	116°43.558	13.1	311.8	44.2	42.8	40	2	100	133	0	22	151	Holsten	
	:30	75°53.907	116°33.595	13.0	311.6	44.5	43.1	41	11	"	"	"	"	"	"	"
	:45	75°56.082	116°23.370	13.1	311.8	44.9	41.7	41	11	"	"	"	"	"	"	"
	20:00	75°57.812	116°15.030	13.5	316.5	41.7	40.6	41	11	"	"	"	"	"	"	"
	20:15	75°57.9	116°14.7	13.2	302	42	37	"	"	"	"	"	"	"	"	"
	20:30	76°00.2	116°03.3	13.4	327.6	40.2	37.8	"	"	"	"	"	"	152	Bauch	Station Tape 151-152
	20:45	76°00.2	116°03.3	13.4	311.6	40.2	37.8	"	"	"	"	"	"	"	"	"
	21:00	76°02.84	116°03.4	13.6	307	40.8	39.6	"	"	"	"	"	"	"	"	"
	21:15	76°04.5	116°43.3	13.7	311	41.2	39.6	"	"	"	"	"	"	"	"	"
	22:00	76°11.8	116°12.2	13.2	311	45	44	"	"	"	"	"	"	"	FN Baud	
	22:15	76°14	116°02	10.1	321	52	55.2	"	"	"	"	"	"	"	"	"
	22:30	76°15	116°05.6	9.8	314	53	53.8	"	"	"	"	"	"	"	"	"
	22:45	76°16.8	116°48.6	10.2	324	55	57	"	"	"	"	"	"	"	"	"
	23:00	76°17	116°42	9.2	327	78	78.4	"	"	"	"	"	"	"	"	"
	23:15	76°19.7	116°37	10.5	326	54.8	28.2	"	"	"	"	"	"	"	"	"
	23:30	76°19.8	116°35	10.5	324	57.3	26.9	"	"	"	"	"	"	"	"	"
	23:45	76°19.8	116°34	10.2	322	57.2	26.9	"	"	"	"	"	"	"	"	"
	00:00	76°19.8	116°34	10.3	324	57	27.2	"	"	"	"	"	"	153	Hölemann	Station Tape 152-153
	00:30	76°21.3	116°31.4	10.6	339	55.1	27	"	"	"	"	0	"	"	"	"
	00:45	76°21.2	116°26.1	12.6	347	55	27	"	"	"	"	"	"	"	"	"
	1:00	76°22.3	116°21.8	12.9	347	56	27	"	"	"	"	"	"	"	"	"
	1:15	76°29.8	116°17.3	8.1	326	55	26	"	"	"	"	"	"	"	"	"
	1:30	76°32.1	116°13.4	10.1	353	57	26	"	"	"	"	"	"	"	"	"
	1:45	76°33.7	116°12.8	8.6	360	54	30	"	"	"	"	"	"	"	"	"
	2:00	76°36.6	116°08.1	14.9	333	58	28	"	"	"	"	"	"	"	"	"
	2:15	76°39.6	116°00.4	14.8	336	59	28	"	"	"	"	"	"	"	"	"
	2:30	76°42.3	115°54.8	11.9	334	59	26	"	"	"	"	"	"	"	"	"
	2:45	76°45.0	115°50.0	4.9	334	62	25	"	"	"	"	"	"	"	"	"
	Station	4.5	3:35									30	"	"	"	"
	3:45	76°46.0	116°02.3	13.0	80	59	26	"	"	"	"	0	"	154	Binder	Tape 153-154
	4:00	76°46.9	116°15.9	12.8	76.6	53.8	27.1	"	"	"	"	"	"	"	"	"



Date	Time GMT	Latitude (°N)	Longitude (°E)	Speed (kn)	Course (°)	Depth PS (m)	Depth HS (m)	Frequency (Hz)	Pulse	Range	Record Length	Wait Time	Deso No.	Tape No.	Name	
16.08.98	4:00	76° 46.9	116° 45.9	12.8	76.6	53.8	27.1	40	2	100	133	0	22	154	Binder	
	15	76° 47.9	116° 29.6	12.8	72.8	44.7	42.8	"	"	"	"	"	"	"	"	
	30	76° 48.9	116° 42.0	12.8	73.0	42.2	41.5	"	"	"	"	"	"	"	"	
	45	76° 49.8	116° 55.6	13.1	66.5	45.1	41.3	"	"	"	"	"	"	"	"	
	5:00	76° 50.8	117° 05.3	10.0	84.7	43.4	41.8	"	"	"	"	"	"	"	"	
	15	76° 51.5	117° 16.1	12.2	75.2	48.3	48.9	"	11	11	11	11	11	11	S.M.	
	30	76° 52.2	117° 27.5	11.2	88.4	49.2	48.3	"	11	11	11	11	11	11	"	
	45	76° 53.2	117° 42.5	12.6	79.7	53.3	50.8	"	11	11	11	11	11	11	"	
	6:00	76° 54.04	117° 55.20	8.7	73.3	56.3	57.4	"	11	11	11	11	11	11	Didie	
	15	76° 54.89	118° 03.8	8.7	52.7	58.3	58.0	"	11	11	11	11	11	11	"	
	30	76° 55.84	118° 12.54	9.0	76.6	62.8	60.8	"	11	11	11	11	11	11	"	
	45	76° 56.75	118° 22.10	9.8	74.9	67.7	65.9	"	11	11	11	11	11	11	"	Tape changed 154 → 155
	7:00	76° 57.35	118° 32.80	9.3	75.7	69.3	70.4	"	11	11	11	11	11	11	"	Tape läuft nicht
	15	76° 58.08	118° 45.34	12.5	75.6	69.1	67.5	"	11	11	11	11	11	155	"	neues Tape 155!
	30	76° 58.86	118° 58.73	12.4	75.8	70.8	72.3	"	11	11	11	11	11	11	"	
	45	76° 59.63	119° 11.99	12.5	75.6	72.5	70.9	"	11	11	11	11	11	11	"	
	8:00	77° 00.43	119° 25.68	12.5	74.1	74.9	73.9	"	11	11	11	11	11	11	"	
	15	01.44	39.94	13.9	71.7	74.3	72.9	"	11	11	11	11	11	11	Mü-Cue	
	30	02.50	53.20	14.4	73.6	74.4	68.7	"	11	11	11	11	11	11	"	
	45	04.85	120° 04.9	14.5	32.4	75.3	73.8	"	11	11	11	11	11	11	"	
	9:00	08.03	13.94	14.6	27.5	80.6	79.9	"	11	11	11	11	11	11	"	
	10:15	77° 15.9	120° 45.4	0.3	10.7	266.5	269.3	"	11	11	11	11	60	156	S.M.	Tape 155 - 156
	19:17	77° 14.7	120° 48.2	12.5	188	766	710	0	2	500	266	0	23	156	FN	Station
	19:48	08.0	39.8	13.5	196	79	79	0	"	100	133	0	"	"	"	
	20:00	77° 05.3	120° 35.8	13.6	203	79	79	"	"	"	"	"	"	"	S.M.	
	30	76° 59.326	120° 23.568	13.4	205	78	74	"	"	"	"	"	"	"	"	
	45	56.222	19.911	13.2	183.3	74.7	76.1	"	"	"	"	"	"	"	"	
	21:00	53.2	16.8	13.3	217.0	74.2	66.7	"	"	"	"	"	"	"	Feist	
	21:15	50.1	10.0	13.5	185.4	72.6	72.7	"	"	"	"	"	"	"	"	
	130	47.3	09.0	9.4	182.4	71.7	74.4	"	"	"	"	"	"	"	"	
	145	45.1	09.2	9.6	159.4	70.7	70.2	"	"	"	"	"	"	157	"	Tape 156 → 157
	22:00	42.6	08.8	10.2	174.6	70.4	69.3	"	"	"	"	"	"	"	"	
	15	40.3	08.3	7.7	157.6	70.8	68.9	"	"	"	"	"	"	"	"	
	30	39.6	07.0	0.9	189.0	70.8	69.9	"	"	"	30	"	"	"	"	Waittime 0 - 7.30 (Station)
	23:19	76° 38.0	119° 50.6	0.6	250.4	72.1	70.4	"	"	"	"	"	"	157	"	Tape 157 - 158



Date	Time GMT	Latitude (°N)	Longitude (°E)	Speed (kn)	Course (°)	Depth FS (m)	Depth HS (m)	Frequency (kHz)	Pulse	Range	Record Length	Wait Time	Depth No.	Tape No.	Name
17.08.88	0:20	76° 38.3	118° 50.1	5.9	10.2	72.5	72.9	4	2	100	133	0	23	158	Fürst
"	0:30	38.4	118 49.1	5.4	317.2	71.4	66.8	"	"	"	"	"	"	"	"
"	0:45	37.0	118 47.2	1.2	317	71.7	71.0	"	"	"	"	"	"	"	V. Larcher
"	1:00	37.0	118 46.8	3.6	298	71.6	✓	"	"	"	"	"	"	"	-11-
"	1:38	41.4	118 38.4	8.8	342	71.8	✓	"	"	"	"	"	"	"	-11-
"	2:00	43.5	118 30.6	5.6	335	72.7	✓	"	"	"	"	"	"	"	-11-
"	2:15	45.7	118 27.5	14.5	317	71.2	✓	"	"	"	"	"	"	"	-11-
"	2:30	48.0	118 14.4	14.6	305	72.3	✓	"	"	"	"	"	"	"	-11-
"	2:45	50.2	118 04.6	14.8	307	72.3	✓	"	"	"	"	"	"	"	-11-
"	3:00	52.3	118 49.4	12.2	307	71.3	59.3	"	"	"	"	"	"	159	-11-
"	3:20	54.8	118 35.7	12.7	308	68.8	67.0	"	"	"	"	"	"	"	-11-
"	3:30	55.7	118 28.1	11.9	297	66.2	65.6	"	"	"	"	"	"	"	-11-
"	3:45	56.7	118 23.2	4.5	68	67.8	66.8	"	"	"	"	"	"	"	-11-
"	3:50	56.9	118 21.7	6.7	68	63.6	69.0	"	"	"	30	"	"	"	-11-
"	16:20	76° 55.8	118° 27.2	12.8	249	67	66	"	"	"	"	"	23	159	FN
"	16:30	55.2	118 19.1	12.9	247.7	63.7	62	"	"	"	"	"	"	"	"
"	16:45	54.0	118 05.4	12.5	245	59.5	56	"	"	"	"	"	"	"	"
"	17:00	52.8	118 51.2	12.8	250	55	54	"	"	"	"	"	"	"	"
"	17:15	51.8	118 39.5	12.7	250	51	50	"	"	"	"	"	"	"	"
"	17:30	50.8	118 27.3	12.7	250.3	47.1	45.2	"	"	"	"	"	"	"	"
"	17:45	49.713	118 14.812	12.6	251.2	46.7	45.5	"	"	"	"	"	"	"	"
"	18:00	48.6	118 00.6	12.7	250.4	45.0	42.6	"	"	"	"	"	"	"	"
"	18:15	47.5	118 47.8	12.8	250.8	41.5	40.2	"	"	"	"	"	"	"	"
"	18:30	46.7	118 34.1	12.5	263.2	40.1	48.4	"	"	"	"	"	"	"	"
"	18:45	46.3	118 20.7	12.5	264.3	53.6	54.4	"	"	"	"	"	"	"	"
"	19:00	46.0	118 07.6	10.9	263.4	58.5	60.0	"	"	"	30	"	"	"	"
"	19:15														
"	19:30														
"	19:45														
"	20:00														
"	22:39														

Tapewechsel 158-159

Station nach neuen Plan!

Ende Station

Photostation
Gusev Evgeny

159 → 160

19.08 - Station

PARASOUND off

