

**TABLE II: Instrumental Parameters of the Seismological Stations in Germany (state: December 1997)**

Station Code	Seismometer		Instrument Parameters			analog recording		digital recording		Remarks
	Type	C	Ts [s]	hs	G [V/m/s]	M [*1000]	R [mm/min]	NB	LSB [nm/s]	
ABH	GT	Z	2.0	.7	405*			12	2–20*	event recording, 125 Hz sampling rate, *accurate values on request
ALG	MK	Z	1.0	.7	57.4	*				output recorded on magnetic tape (.33 mm/s) in 3 different levels * accurate magn. on request
ASS	GT	Z	1.0	.65	200	84.1 (1 Hz)	60	16	1.53	PCM recording, Nyquist frequency 40 Hz
	GT	N	1.0	.65	200	471 (5 Hz)		16	1.53	
	GT	E	1.0	.65	200	942 (10 Hz)		16	1.53	
AUE	LE	Z	1.0	.7	400			16	5	MARS88/OD event 125 Hz sampling rate
	LE	N	1.0	.7	400			16	5	
	LE	E	1.0	.7	400			16	5	
BAS	GT	Z	2.0	.7	405*			14	2–10*	PCM event recording (5800 Lennartz) 200 sps/chan. * accurate values on request
	SH1	N	5.0	.7	180*			14	2–10*	
	SH1	E	5.0	.7	180*			14	2–10*	
BAW	GT	Z	2.0	.7	405*			14	2–10*	PCM event recording (5800 Lennartz), 250 sps/chan * accurate values on request
	SH1	N	5.0	.7	180*			14	2–10*	
	SH1	E	5.0	.7	180*			14	2–10*	
BBS	GT	Z	2.0	.7	630*			12	2–20*	event recording, 125 Hz sampling rate, * accurate value on request
BDB		Z	10		381			23.5		100 Hz sampling rate
		N	10		133			23.5		
		E	10		170			23.5		
BDE	MK	Z	0.7	.53		53	60			RefTek 07
BEU	LE	Z	1.0	.7	400			16	5	MARS88 event recording 62.5 Hz sampling rate 120 db dynamic range
	LE	N	1.0	.7	400			16	5	
	LE	E	1.0	.7	400			16	5	

Station Code	Seismometer		Instrument Parameters			analog recording		digital recording		Remarks	
	Type	C	Ts [s]	hs	G [V/m/s]	M [*1000]	R [mm/min]	NB	LSB [nm/s]		
BFO	GT	Z	2.0	.7	405*			14	2-10*	PCM event recording (5800 Lennartz) 250 sps/channel, * accurate value on request 80 Hz sampling rate	
	SH1	N	5.0	.7	169*			14	2-10*		
	SH1	E	5.0	.7	181*			14	2-10*		
	S2	Z	120.9	.718	1500			24	1.667		
	S2	N	120.9	.718	1500			24	1.667		
	S2	E	120.9	.718	1500			24	1.667		
	S1	Z	360.0	.707	2512			24	.019		20 Hz/0.2Hz sampling rate (IDA/IRIS)
	S1	N	360.0	.707	2512			24	.019		
	S1	E	360.0	.707	2512			24	.019		
BGG	GT	Z	1.25	.7	428.6			12	.72	PCM event recording (5600 Lennartz), 100 Hz sampling rate, 20 Hz anti-aliasing filter	
	GT	N	1.25	.7	428.6			12	.72		
	GT	E	1.25	.7	428.6			12	.72		
BHB	GT	Z	2.0	.7	405*			14	2-10*	PCM event recording (5800 Lennartz) 200 sps/chan sampling rate	
	SH1	N	5.0	.7	180*			14	2-10*		
	SH1	E	5.0	.7	180*			14	2-10*		
	QF	E	800[Hz]					14			accurate values on request
ix: BHG	GT	Z	1.5	.62	301	*	120			* variable magnification, accurate value on request PCM event recording (5000 Lennartz) 166.7 Hz sampling rate 35 Hz anti-aliasing filter	
	HS	Z	1.0	.62	76			12	100.4		
	HS	N	1.0	.62	72			12	106.0		
	HS	E	1.0	.62	73			12	104.5		
BHZ	MK	Z	0.5	.7	100					output recorded on magnetic tape (.33 mm/s) in 3 different levels	
BNS	GT	Z	1.25	.71	420	68 (6.0 Hz)	120	12		PC event recording, 100 Hz sampling rate, gain ranging	
	GT	N	1.25	.71	420	68 (6.0 Hz)	120	12			
	GT	E	1.25	.71	420	68 (6.0 Hz)	120	12			
	SL1	Z	14.2	.65	89	1.48 (.07 Hz)	15				
BRG	S2	Z	120.9	.718	1500			24	1.667	80 Hz sampling rate	
	S2	N	120.9	.718	1500			24	1.667		
	S2	E	120.9	.718	1500			24	1.667		
BRN	SL1	Z	15.	1.0		1.4	30			simulation of a long period seismometer by inverse filtering	
	GT	Z	1. (10.)				60				

Station Code	Seismometer		Instrument Parameters			analog recording		digital recording		Remarks
	Type	C	Ts [s]	hs	G [V/m/s]	M [*1000]	R [mm/min]	NB	LSB [nm/s]	
BRNL	S2	Z	120.9	.718	1500			24	1.667	20 Hz sampling rate
	S2	N	120.9	.718	1500			24	1.667	
	S2	E	120.9	.718	1500			24	1.667	
BSEG	S2	Z	120.9	.718	1500			24	1.667	80 Hz sampling rate
	S2	N	120.9	.718	1500			24	1.667	
	S2	E	120.9	.718	1500			24	1.667	
BUG	S1	Z	120.9	.718	1500			24	1.667	80 Hz sampling rate  * gain ranging system, 12 bit mant., 4 bit exponent, 100 Hz sampling rate, 8 bit/8 Hz reduced data type for continuous monitoring; <sup>1)</sup> Sites KLB, SHA, TEZ, <sup>2)</sup> Sites HRM, RPM
	S1	N	120.9	.718	1500			24	1.667	
	S1	E	120.9	.718	1500			24	1.667	
	S2	Z	20	.7	2400			16*	0.5 <sup>1)</sup>	
	S2	N	20	.7	2400			16*	0.5 <sup>1)</sup>	
	S2	E	20	.7	2400			16*	0.5 <sup>1)</sup>	
	GT	Z	1.0	.7	200			16	8 <sup>1)</sup>	
	GT	Z	1.0	.7	200			16*	6 <sup>2)</sup>	
CLL	J2	Z	2.18	.54		52 (1 Hz)	60			80 Hz sampling rate
	J1	Z	20	1.20		1.09	15			
	J1	N	20	1.10		1.08	15			
	J1	E	20	1.21		1.12	15			
	WH	N	10	.28		.37	15			
	WH	E	10	.34		.34	15			
	S2	Z	120.9	.718	1500			24	1.667	
	S2	N	120.9	.718	1500			24	1.667	
	S2	E	120.9	.718	1500			24	1.667	
	CLZ	S2	Z	120.9	.718	1500			24	
S2		N	120.9	.718	1500			24	1.667	
S2		E	120.9	.718	1500			24	1.667	
DRE	LE	Z	1.0	.7	400			16		MARS 88/FD event recording
	LE	N	1.0	.7	400			16		
	LE	E	1.0	.7	400			16		
EFR	GT	Z	2.0	.7	405*			14	2-10*	PCM event recording (5800 Lennartz), 250 sps/chan sampling rate *accurate values on request
	SH1	N	5.0	.7	180*			14	2-10*	
	SH1	E	5.0	.7	180*			14	2-10*	

Station Code	Seismometer		Instrument Parameters			analog recording		digital recording		Remarks
	Type	C	Ts [s]	hs	G [V/m/s]	M [*1000]	R [mm/min]	NB	LSB [nm/s]	
EIB	LE	Z	1.0	.7	400			16	5	MARSLITE
	LE	N	1.0	.7	400			16	5	125 Hz sampling rate
	LE	E	1.0	.7	400			16	5	
END	GT	Z	2.0	.7	405*			14	2-10*	PCM event recording (5800 Lennartz), 250 sps/chan sampling rate *accurate values on request
	SH1	N	5.0	.7	180*			14	2-10*	
	SH1	E	5.0	.7	180*			14	2-10*	
ENG	ST	Z	1.5					12	15*	PCM event recording, 267 Hz sampling rate, * value in nm; value on request
	WM	N	1.0					12	300	
	WM	E	1.0					12	300	
	QF	N	800[Hz]					12		
FBB	ST	Z	1.5	0.8	1000*	5	60			*sensitivity in V/m event recording, 125 Hz sampling rate,
	LE	Z	1.0	.7	400			12	6000	
	LE	N	1.0	.7	400			12	6000	
	LE	E	1.0	.7	400			12	6000	
FELD	GT	Z	2.0	.7	405			12	2-20*	event recording, 125 Hz sampling rate, *accurate values on request
FFM	MK	Z	0.5	.7	100					output recorded on magnetic tape (.33 mm/s) in 3 different levels
FOA	WM	Z	1.4		400					output recorded on magntic tape (.33mm/s) in 3 different levels
FUR	S2	Z	120.9	.718	1500			24	1.667	80 Hz sampling rate  * variable magnification, accurate value on request
	S2	N	120.9	.718	1500			24	1.667	
	S2	E	120.9	.718	1500			24	1.667	
	GT	Z	1.5	.62	4000	*	120			
	GT	N	1.5	.62	4000	*	120			
	GT	E	1.5	.62	4000	*	120			
GAPA	MK	Z	1.0	.62	100			12	38.15	PCM recording 167 Hz sampling rate 35 Hz anti-aliasing filter
	MK	N	1.0	.62	100			12	38.15	
	MK	E	1.0	.62	100			12	38.15	
GERES (Array)	GS	Z	1.0	0.775	2000			24	0.0377 <sup>2)</sup>	40 Hz sampling rate, <sup>1)</sup> 3-component: GEA2,GED1, GED4,GED7, <sup>2)</sup> on plateau at 1Hz,
	GS	N <sup>1)</sup>	1.0	0.775	2000			24	0.0377 <sup>2)</sup>	
	GS	E <sup>1)</sup>	1.0	0.775	2000			24	0.0377 <sup>2)</sup>	

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Station Code	Seismometer		Instrument Parameters			analog recording		digital recording		Remarks
	Type	C	Ts [s]	hs	G [V/m/s]	M [*1000]	R [mm/min]	NB	LSB [nm/s]	
GEC2	S2	Z	1.0	0.775	2000			24	0.0503 <sup>2)</sup>	80 Hz sampling rate
GEC2	S2	N	1.0	0.775	2000			24	0.0503 <sup>2)</sup>	
GEC2	S2	E	1.0	0.775	2000			24	0.0503 <sup>2)</sup>	
GIE	GT	Z	1.0	.7	406	varying	12.5	16	2.0	PCM recording (5800 Lennartz)
	GT	N	1.0	.7	406			16	2.0	
	GT	E	1.0	.7	406			16	2.0	
GLO	GT	Z	2.0	.7	405*			14	10-20*	PCM event recording (5800 Lennartz) 250 sps/chan sampling rate *accurate values on request
	SH1	N	5.0	.7	180*			14	10-20*	
	SH1	E	5.0	.7	180*			14	10-20*	
GOR1	MK	Z	1.1	.707	159			16	0.97	gain ranging system, 12 bit mant., 4 bit exp., 120 Hz sampling rate; anti-aliasing filter: Butterworth type corner frequency: 40 Hz; slope: 47 dB/oct.; orientation of the horizontal components: H1 - 42° ± 1° H2 - 132° ± 1°
	MK	H1	0.89	.707	134			16	1.05	
	MK	H2	1.0	.707	175			16	0.97	
GOR2	MK	Z	1.0	.707	123			16	0.90	
GOR3	MK	Z	0.96	.707	163			16	0.94	
GOR4	MK	Z	1.0	.707	171			16	0.91	
GOR5	MK	Z	1.0	.707	152			16	0.97	
GOR6	MK	Z	0.91	.707	164			16	1.07	
GRF (Array)	S1	Z	20.	.707	2000	(seismometer transfer function on request)		16#	1.193	13 vertical seismometers 3 horizontal N-S seismometers 3 horizontal E-W seismometers
	S1	N	20.	.707	2000			16#	1.193	
	S1	E	20.	.707	2000			16#	1.193	
GRFO	KS	Z	.4			(seismometer transfer function proportional to ground acceleration, poles & zeros on request)		16#		SRO-Station, event recording of short-period vertical output, continuous recording of long period output
	KS	Z	25.					16#		
	KS	N	25.					16#		
	KS	E	25.					16#		
GSH	MK	Z	1.0	.62	184			16		PC recording 0-45 Hz 200 Hz sampling rate
	MK	N	1.0	.62	187			16		
	MK	E	1.0	.62	182			16		
GTT	WI	N	9.5	.4		.16	15			
	WI	E	10.2	.3		.17	15			
	WZ	Z	3.8	.2		.22	15			
	WG	N	1.3	.4		2.2	60			
	WG	E	1.4	.3		2.1	60			

# gain ranging data acquisition system, 12 bit mantissa, 4 bit exponent; V[nm/s]=1.193\*(1/V(f))\*mantissa\*2\*\*(12-exp)

Station Code	Seismometer		Instrument Parameters			analog recording		digital recording		Remarks
	Type	C	Ts [s]	hs	G [V/m/s]	M [*1000]	R [mm/min]	NB	LSB [nm/s]	
GUT	LE	Z	1.0	.7	400			16	5	MARS88 event recording 62.5 Hz sampling rate 120 db dynamic range
	LE	N	1.0	.7	400			16	5	
	LE	E	1.0	.7	400			16	5	
HAM	SL1	Z	26.	.62	504	3.5 (1 Hz)	30	12	182	Lennartz S 5100 V system * output of displacement pickup in V/mm 20 Hz sampling rate
	SL1	Z	26.	.62	1.0*	1.1	30	12	121***	
	S2	Z	120.9	.718	1500			24	1.667	
	S2	N	120.9	.718	1500			24	1.667	
	S2	E	120.9	.718	1500			24	1.667	
	GT	Z	30.**	.7	400	1.75 (1 Hz)	30	8	1000	
	GT	N	30.**	.7	400	1.75 (1 Hz)	30	8	1000	
	GT	E	30.**	.7	400	1.75 (1 Hz)	30	8	1000	
HDH	LE	Z	1.0	0.7	400			16	5	MARS88 event recording 62.5 Hz sampling rate 120 db dynamic range
	LE	N	1.0	0.7	400			16	5	
	LE	E	1.0	0.7	400			16	5	
HEI	GT	Z	2.0	.7	405*			14	2-10*	PCM event recording (5800 Lennartz) 250 sps/chan sampling rate *accurate values on request
	SH1	N	5.0	.7	180*			14	2-10*	
	SH1	E	5.0	.7	180*			14	2-10*	
HEX	GT	Z	2.0	.7	405*			14	2-10*	PCM event recording (5800 Lennartz), 250 sps/chan sampling rate *accurate values on request
	SH1	N	5.0	.7	180*			14	2-10*	
	SH1	E	5.0	.7	180*			14	2-10*	
HLD	LE	Z	1.0	.7	400			16	5	MARS88 125 Hz sampling rate
	LE	N	1.0	.7	400			16	5	
	LE	E	1.0	.7	400			16	5	
HLG	SI	Z	1.4*	1.0**		5.7 (1.25 Hz)	15			Seismometer-Galvanometer system * Tg = 1.4 s ** hg = 1.0 *** Tg = 90 s
	SI	N	1.4*	1.0**		4.9 (1.25 Hz)	15			
	SI	E	1.4*	1.0**		4.9 (1.25 Hz)	15			
	SL1	Z		15.0***		varying	15			
HOE	GT	Z	1.0	.7		varying	30	12	8.9	PCM recording
HOF	WM	Z	1.5	.62	200	*	120			* variable magnification accurate value on request

Station Code	Seismometer		Instrument Parameters			analog recording		digital recording		Remarks
	Type	C	Ts [s]	hs	G [V/m/s]	M [*1000]	R [mm/min]	NB	LSB [nm/s]	
HOL	LE	Z	1.0	.7	400			16	5	MARS88 event recording 62.5 Hz sampling rate 120 db dynamic range
	LE	N	1.0	.7	400			16	5	
	LE	E	1.0	.7	400			16	5	
HSN	GT	Z	2.0	.7	405*			14	2-10*	PCM event recording (5800 Lennartz) sampling rate  * accurate values on request
	SH1	N	5.0	.7	180*			14	2-10*	
	SH1	E	5.0	.7	180*			14	2-10*	
	QF	N	800[Hz]					14		
HTN	GT	Z	2.0		405*			14	2-10*	PCM event recording (5800 Lennartz) sampling rate  * accurate values on request
	SH1	N	5.0		180*			14	2-10*	
	SH1	E	5.0		180*			14	2-10*	
	QF	N	800[HZ]					14		
IBBN	S2	Z	120.9	.718	1500			24	1.667	80 Hz sampling rate
	S2	N	120.9	.718	1500			24	1.667	
	S2	E	120.9	.718	1500			24	1.667	
JCK	MK	Z	.98	.62	184			24		PC recording 0-45 Hz 200 Hz sampling rate * horizontal seismometers not oriented in the borehole
	MK	H*	.88	.62	162			24		
	MK	H*	1.09	.62	188			24		
JUE	HS	Z	1.0	.7	82.6		60	12	60.6	PCM event recording (5600 Lennartz) 100 Hz sampling rate, 20 Hz anti-aliasing filter
	HS	N	1.0	.7	82.6		60	12	60.6	
	HS	E	1.0	.7	82.6		60	12	60.6	
JUN	ST	Z	1.5					12	15 *	PCM event recording, 267 Hz sampling rate, * value in nm;  values on request
	QF	Z	800[Hz]					12		
	QF	N	800[Hz]					12		
	QF	E	800[Hz]					12		
KIZ	LE	Z	1.0	.7	400			16	5	MARS88 event recording, 62.5 Hz sampling reate, 120 db dynamic range
	LE	N	1.0	.7	400			16	5	
	LE	E	1.0	.7	400			16	5	
KLI	J2	Z	1.6	.49		42	60			

Station Code	Seismometer		Instrument Parameters			analog recording		digital recording		Remarks
	Type	C	Ts [s]	hs	G [V/m/s]	M [*1000]	R [mm/min]	NB	LSB [nm/s]	
KLL	HS	Z	1.0	.7	82.6			10	1.61	PCM event recording, gain ranging system, 75 Hz sampling rate, 15 Hz anti-aliasing filter
	HS	N	1.0	.7	82.6			10	1.61	
	HS	E	1.0	.7	82.6			10	1.61	
KOE	MK	Z	1.0	.7	57.4			14		PCM event recording (5800 Lennartz) 100 Hz sampling rate, 20 Hz anti-aliasing filter
	MK	N	1.0	.7	57.4			14		
	MK	E	1.0	.7	57.4			14		
KRF	MK	Z	1.0	.62	191			16		PC recording 0-45 Hz 100 Hz sampling rate * horizontal seismometers not oriented in the borehole
	MK	H*	0.5	.62	101			16		
	MK	H*	0.5	.62	109			16		
KRW	SV1	Z	5.0	.7	277		100			event recording, 200 Hz sampling rate, 12 bit ADC
KTD	GT	Z	2.0	.7	405			12	2-20*	event recording, 125 Hz sampling rate, *accurate values on request
LBG	LE	Z	1.0	.7	400			16	5	MARS88 event recording 62.5 Hz sampling rate 120 db dynamic range
	LE	N	1.0	.7	400			16	5	
	LE	E	1.0	.7	400			16	5	
LIBD	GT	Z	2.0	0.7	405			12	2-20*	event recording, 125 Hz sampling rate, *accurate values on request
MANZ	S2	Z	120	0.707	1500			20	0.333	MARS 88 event recording 125 Hz sampling rate, 50 Hz anti-aliasing filter.
	S2	N	120	0.707	1500			20	0.333	
	S2	E	120	0.707	1500			20	0.333	
MER	WA	Z	1.4	.7	570		*(on paper)	60		* variable magnification, accurate value on request
MOX	J2	Z	1.6	.5		47.2	60			92 dB dyn. range, 20 Hz sampling rate, 5 Hz anti-aliasing filter, storage on MO disk: BB event selected and LP (1 Hz) continuously
	J2	N	1.6	.5		47.2	60			
	J2	E	1.6	.5		47.2	60			
	J2	Z	.23	.33		300	60			
	TJ	N	10.0					16	0.628	
	TJ	E	10.0					16	0.628	
	TJ	Z	10.0					16	0.628	



Station Code	Seismometer		Instrument Parameters			analog recording		digital recording		Remarks
	Type	C	Ts [s]	hs	G [V/m/s]	M [*1000]	R [mm/min]	NB	LSB [nm/s]	
	J2	Z	1.6	.5		200 (1 Hz)	60	16	1.26	20 Hz sampling rate, 5 Hz anti-aliasing filter, displacement proport. 0.625 – 5.0 Hz 80 Hz sampling rate
	S2	Z	120.9	.718	1500			24	1.667	
	S2	N	120.9	.718	1500			24	1.667	
	S2	E	120.9	.718	1500			24	1.667	
MSG	ST	Z	1.5					12	15 *	PCM event recording, 267 Hz sampling rate, * value in nm; value on request
	WM	N	1.0					12	800	
	WM	E	1.0					12	800	
	QF	E	800[Hz]					12		
MSS	ST	Z	1.5					12	15 *	PCM event recording, 267 Hz sampling rate, * value in nm; value on request
	WM	N	1.0					12	300	
	WM	E	1.0					12	300	
	QF	E	800[Hz]					12		
MUL	LE	Z	1.0	.7	400			16	5	MARS88/OD event 125 Hz sampling rate
	LE	N	1.0	.7	400			16	5	
	LE	E	1.0	.7	400			16	5	
MWG	B4	Z	0.5	.54						FM recording on magnetic tape
	B4	N	1.0	.71						
	B4	E	1.0	.61						
	GT	Z	1.33	.62			30			
	GT	N	1.33	.62			30			
	GT	E	1.33	.62			30			
OBR	LE	Z	1.0	.7	400			16	5	MARS88 125 Hz sampling rate
	LE	N	1.0	.7	400			16	5	
	LE	E	1.0	.7	400			16	5	
OCH	LE	Z	1.0	.7	400	100 (10 Hz)	120	14		PCM recording Lennartz 5800 100 Hz sampling rate
	LE	N	1.0	.7	400			14		
	LE	E	1.0	.7	400			14		
OGA	GT	Z	1.5	.62	300	*	120			* variable magnification, accurate value on request
OGB	MK	Z	1.0	.7	57.4					output recorded on magnetic tape (.33mm/s) in 3 different levels *accurate magn. on request

Station Code	Seismometer		Instrument Parameters			analog recording		digital recording		Remarks
	Type	C	Ts [s]	hs	G [V/m/s]	M [*1000]	R [mm/min]	NB	LSB [nm/s]	
OLF	MK	Z	1.0	.62	185			16		PC recording 0–45 Hz 100 Hz sampling rate
	MK	N	1.0	.62	194			16		
	MK	E	1.0	.62	187			16		
OTR	LE	Z	1.0	.7	400			16	5	MARS88/OD event 125 Hz sampling rate
	LE	N	1.0	.7	400			16	5	
	LE	E	1.0	.7	400			16	5	
PLH	MK	Z	1.0	.62	163			24		PC recording 0–45 Hz 200 Hz sampling rate * horizontal components not oriented in the borehole
	MK	H*	1.0	.62	164			24		
	MK	H*	1.0	.62	175			24		
PLN	J2	Z	1.6	.49		23	60	16	1.26	closed Feb. 10, 1997 opened Feb 10,1997 RefTek 07 100 Hz sampling rate
	GU3	Z	30		1998			23.5		
	GU3	N	30		2000			23.5		
	GU3	E	30		2006			23.5		
PST	J2	Z	1.6	.50		47	60	16	1.26	closed Jul. 21, 1997 opened Jul. 21,1997 RefTek 100 Hz sampling rate
	GU	Z	30		798			23.5		
	GU	N	30		800			23.5		
	GU	E	30		794			23.5		
RELO	LE	Z	1.0	.7	400			20	1.25	MARS88 event recording 125 Hz sampling rate, 50 Hz anti–aliasing filter
	LE	N	1.0	.7	400			20	1.25	
	LE	E	1.0	.7	400			20	1.25	
RGN	S2	Z	120.9	.718	1500			24	1.667	20 Hz sampling rate
	S2	N	120.9	.718	1500			24	1.667	
	S2	E	120.9	.718	1500			24	1.667	
ROS	RK	Z	2.0	.7	340*				60	PCM event recording (5000 Lennartz), 267 Hz sampling rate, recording in 3 levels with 30 dB overlapping *accurate values on request
ROTZ	S2	Z	120	0.707	1500			20	0.333	MARS 88 event recording 125 Hz sampling rate, 50 Hz anti– aliasing filter.
	S2	N	120	0.707	1500			20	0.333	
	S2	E	120	0.707	1500			20	0.333	

Station Code	Seismometer		Instrument Parameters			analog recording		digital recording		Remarks
	Type	C	Ts [s]	hs	G [V/m/s]	M [*1000]	R [mm/min]	NB	LSB [nm/s]	
RUP	GT	Z	2.0	.7	405*			12	2–20*	event recording, 125 Hz sampling rate, *accurate values on request
SCE	GT	Z	1.5	.62	310	*	300**			* variable magnification, accurate value on request ** during weekends recording speed reduced to 120 mm/min
SCH	SM3	Z	1.5	0.5	10			23.5		RefTek 100 Hz sampling rate opened Nov 24, 1997
	SM3	N	1.5	0.5	10			23.5		
	SM3	E	1.5	0.5	10			23.5		
SGW	LE	Z	1.0	.7	400			16	5	MARS88 event recording 62.5 Hz sampling rate 120 db dynamic range
	LE	N	1.0	.7	400			16	5	
	LE	E	1.0	.7	400			16	5	
SOL	GT	Z	2.0	.7	405*			14	2–10*	PCM event recording (5800 Lennartz), 250 sps/chan sampling rate *accurate values on request
	SH1	N	5.0	.7	180*			14	2–10*	
	SH1	E	5.0	.7	180*			14	2–10*	
SOR	MK	Z	1.0	.62	182			24		PC recording 0–45 Hz 200 Hz sampling rate
	MK	N	1.0	.62	187			24		
	MK	E	1.0	.62	183			24		
SOS	LE	Z	1.0	.7	400			16	5	MARS88/OD event 125 Hz sampling rate
	LE	N	1.0	.7	400			16	5	
	LE	E	1.0	.7	400			16	5	
SPAK	GT	Z	2.0	.7	405*			12	2–20*	event recording, 125 Hz sampling rate, *accurate values on request
STB	MK	Z	1.00	.7	57.4			14		PCM recording (5800 Lennartz), 100 Hz sampling rate, 20 Hz anti–aliasing filter
	MK	N	1.00	.7	57.4			14		
	MK	E	1.00	.7	57.4			14		
STO	LE	Z	1.0	.7	400			16	5	MARSLITE 125 Hz sampling rate
	LE	N	1.0	.7	400			16	5	
	LE	E	1.0	.7	400			16	5	

Station Code	Seismometer		Instrument Parameters			analog recording		digital recording		Remarks
	Type	C	Ts [s]	hs	G [V/m/s]	M [*1000]	R [mm/min]	NB	LSB [nm/s]	
STU	ST	Z	1.5	.8	1000*	12	120			* sensitivity in V/m
	ST	N	1.5	.8	1000*	12	60			
	ST	E	1.5	.8	1000*	12	60			
	ST	E	1.5	.8	1000*	.7	60			
	ST	E	1.5	.8	1000*	.084	60			
	ST	E	1.5	.8	1000*	.016	60			
	S2	Z	120.7	.719	1500			24	1.56	20Hz sampling rate
	S2	N	120.7	.719	1500			24	1.56	
	S2	E	120.7	.719	1500			24	1.56	
TAU	J2	Z	1.6	0.5	381			23.5		RefTek 100 Hz sampling rate opened May 25, 1997
	J2	N	1.6	0.5	133			23.5		
	J2	E	1.6	0.5	170			23.5		
TDN	MK	Z	1.0	.62	184			24		PC recording 0–45 Hz 200 Hz sampling rate
	MK	N	1.0	.62	182			24		
	MK	E	1.0	.62	181			24		
TNS	S2	Z	120.9	.718	1500			24	1.667	80 Hz sampling rate
	S2	N	120.9	.718	1500			24	1.667	
	S2	E	120.9	.718	1500			24	1.667	
TOD	GT	Z	2.0	.7	405			12	2–20*	event recording, 125 Hz sampling rate, *accurate values on request
UBR	LE	Z	1.0	.7	400			16	5	MARS88 event recording 62.5 Hz sampling rate 120 db dynamic range
	LE	N	1.0	.7	400			16	5	
	LE	E	1.0	.7	400			16	5	
VAD	MK	Z	1.0		57.4	*				output recorded on magnetic tape (.33 mm/s) in 3 different levels * accurate magn. on request
VIEL	LE	Z	1.0	0.7	400			16	5.0	MARS88/OD event recording 125 Hz sampling rate 50 Hz anti-aliasing filter
	LE	N	1.0	0.7	400			16	5.0	
	LE	E	1.0	0.7	400			16	5.0	
WBS	MK	Z	1.0	.62	184			16		PC recording 100 Hz sampling rate
	MK	N	1.0	.62	182			16		
	MK	E	1.0	.62	181			16		

Station Code	Seismometer		Instrument Parameters			analog recording		digital recording		Remarks
	Type	C	Ts [s]	hs	G [V/m/s]	M [*1000]	R [mm/min]	NB	LSB [nm/s]	
WDB	WM	Z	1.4	.7	400	*				* output recorded on magnetic tape (.33 mm/s) in 3 different levels
WET	S2	Z	120.9	.718	1500			24	1.667	80 Hz sampling rate
	S2	N	120.9	.718	1500			24	1.667	
	S2	E	120.9	.718	1500			24	1.667	
	GT	Z	1.5	.62	318	*	120			* variable magnification, accurate values on request
WRG	J2	Z	0.7	.53		91	60			
WYH	GT	Z	2.0	.7	405*			14	2-10*	PCM event recording (5800 Lennartz) 250 sps/chan sampling rate * accurate values on request
	SH1	N	5.0	.7	180*			14	2-10*	
	SH1	E	5.0	.7	180*			14	2-10*	
ZEU	GU3	Z	30		1979			23.5		RefTek 100 Hz sampling rate opened Jun 16, 1997
	GU3	N	30		2003			23.5		
	GU3	E	30		1992			23.5		