

**TABLE II: Instrumental Parameters of the Seismological Stations in Germany (state: December 1996)**

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	84.8 (1 Hz)	60	12	8	PCM recording, Nyquist frequency 40 Hz	
	GT	N	1.0	.65	200	471 (5 Hz)		12	8		
	GT	E	1.0	.65	200	942 (10 Hz)		12	8		
BAS	GT	Z	2.0	.7	405*			14	2–10*	PCM event recording (5800 Lennartz)	
	SH1	N	5.0	.7	180*			14	2–10*	200 sps/chan.	
	SH1	E	5.0	.7	180*			14	2–10*	* accurate values on request	
x	BAW	GT	Z	2.0	.7	405*		14	2–10*	PCM event recording (5800 Lennartz),	
		SH1	N	5.0	.7	180*		14	2–10*	250 sps/chan	
		SH1	E	5.0	.7	180*		14	2–10*	* accurate values on request	
BBS	GT	Z	2.0	.7	630*			12	2–20*	event recording, 125 Hz sampling rate, * accurate value on request	
BDB											
BDE	J2	Z	0.7	.53		53	60				
BEU	LE	Z	1.0	.7	400			16	5	MARS88 event recording	
	LE	N	1.0	.7	400			16	5	62.5 Hz sampling rate	
	LE	E	1.0	.7	400			16	5	120 db dynamic range	
BFO	GT	Z	2.0	.7	405*			14	2–10*	PCM event recording (5800 Lennartz)	
	GT	N	2.0	.7	405*			14	2–10*	250 sps/channel,	
	GT	E	2.0	.7	405*			14	2–10*	* accurate value on request	
	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		

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]	
BGG	S1	Z	360.0	.707	2512			24	.019	20 Hz/0.2Hz sampling rate
	S1	N	360.0	.707	2512			24	.019	(IDA/IRIS)
	S1	E	360.0	.707	2512			24	.019	
BHB	GT	Z	1.25	.7	428.6			12	.72	PCM event recording (5600 Lennartz),
	GT	N	1.25	.7	428.6			12	.72	100 Hz sampling rate,
	GT	E	1.25	.7	428.6			12	.72	20 Hz anti-aliasing filter
BHG	GT	Z	2.0	.7	405*			14	2-10*	PCM event recording (5800 Lennartz)
	SH1	N	5.0	.7	180*			14	2-10*	200 sps/chan sampling rate
	SH1	E	5.0	.7	180*			14	2-10*	
	QF	E	800[Hz]					14		accurate values on request
BHZ	GT	Z	1.5	.62	301	*	120			* variable magnification, accurate value on request
	HS	Z	1.0	.62	76			12	100.4	PCM event recording (5000 Lennartz)
	HS	N	1.0	.62	72			12	106.0	166.7 Hz sampling rate
	HS	E	1.0	.62	73			12	104.5	35 Hz anti-aliasing filter
±.	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			
	GT	Z	1. (10.)				60			simulation of a long period seismometer by inverse filtering
BRNL	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	
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	

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]		
BUG	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		
	S1	Z	20	.7	2400			16*	0.5 <sup>1)</sup>	* gain ranging system, 12 bit mant.,	
	S1	N	20	.7	2400			16*	0.5 <sup>1)</sup>	4 bit exponent, 100 Hz sampling rate	
	S1	E	20	.7	2400			16*	0.5 <sup>1)</sup>	8 bit/8 Hz reduced data type	
	GT	Z	1.0	.7	200			16	8 <sup>1) 2)</sup>	for continuous monitoring;	
	GT	Z	1.0	.7	200			16*	6 <sup>3)</sup>	seismometer transfer functions	
	GT	N	1.0	.7	200			16*	6 <sup>3)</sup>	on request. 1) Site KLB	
	GT	E	1.0	.7	200			16*	6 <sup>3)</sup>	1) Sites SHA, TEZ, NAB	
										2) Sites HRM, RPM	
CLL	J2	Z	2.18	.54		52 (1 Hz)	60				
	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	80 Hz sampling rate	
	S2	N	120.9	.718	1500			24	1.667		
	S2	E	120.9	.718	1500			24	1.667		
CLZ	GT	Z	1.0	.7	200	28 (1 Hz)	120				
	GT	N	1.0	.7	200	28 (1 Hz)	120				
	GT	E	1.0	.7	200	28 (1 Hz)	120				
	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		
DRE	LE	Z	1.0	.7	400			16			
	LE	N	1.0	.7	400			16			
	LE	E	1.0	.7	400			16			MARS 88/FD event recording
EFR	GT	Z	2.0	.7	405*			14	2–10*		
	SH1	N	5.0	.7	180*			14	2–10*		
	SH1	E	5.0	.7	180*			14	2–10*		

xx:

\* gain ranging system, 12 bit mant.,  
 4 bit exponent, 100 Hz sampling rate  
 8 bit/8 Hz reduced data type  
 for continuous monitoring;  
 seismometer transfer functions  
 on request. 1) Site KLB  
 1) Sites SHA, TEZ, NAB  
 2) Sites HRM, RPM

80 Hz sampling rate

80 Hz sampling rate

MARS 88/FD event recording

PCM event recording (5800 Lennartz),  
 250 sps/chan sampling rate  
 \*accurate values 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]	
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					
	S2	E	120.9	.718	1500					
	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 133 Hz sampling rate 25 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, 80 Hz sampling rate
	GS	N <sup>1)</sup>	1.0	0.775	2000					
	GS	E <sup>1)</sup>	1.0	0.775	2000					
GEC2	S2	Z	1.0	0.775	2000			24	0.0503 <sup>2)</sup>	
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>	

X:

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]		
GIE	GT	Z	1.0	.7	406		varying	12.5	16	2.0	PCM recording (5800 Lennartz)
	GT	N	1.0	.7	406			16	16	2.0	
	GT	E	1.0	.7	406			16	16	2.0	
GLO	GT	Z	2.0	.7	405*			14	10–20*	PCM event recording (5800 Lennartz)	
	SH1	N	5.0	.7	180*			14	10–20*	250 sps/chan sampling rate	
	SH1	E	5.0	.7	180*			14	10–20*	*accurate values on request	
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	
	S1	N	20.	.707	2000			16#	1.193	3 horizontal N–S seismometers	
	S1	E	20.	.707	2000			16#	1.193	3 horizontal E–W seismometers	
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	WM	Z	1.0	.62	204			16		PC recording 0–45 Hz	
	WM	N	.95	.62	207			16		200 Hz sampling rate	
	WM	E	.95	.62	207			16			
	S2	???									
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;  $V[\text{nm/s}] = 1.193 \times (1/V(f)) \times \text{mantissa} \times 2^{12-\text{exp}}$

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]	
HAM	SL1	Z	26.	.62	504	3.5 (1 Hz)	30	12	182	Lennartz S 5100 V system
	SL1	Z	26.	.62	1.0*	1.1	30	12	121***	* output of displacement pickup in V/mm
	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	30.**	.7	400	1.75 (1 Hz)	30	8	1000	** simulation of a long-period
	GT	N	30.**	.7	400	1.75 (1 Hz)	30	8	1000	seismometer by inverse filtering
	GT	E	30.**	.7	400	1.75 (1 Hz)	30	8	1000	*** value in nm
	HDH	LE	Z	1.0	0.7	400		16	5	MARS88 event recording
		LE	N	1.0	0.7	400		16	5	62.5 Hz sampling rate
		LE	E	1.0	0.7	400		16	5	120 db dynamic range
HEI	GT	Z	2.0	.7	405*			14	2-10*	PCM event recording (5800 Lennartz)
	SH1	N	5.0	.7	180*			14	2-10*	250 sps/chan sampling rate
	SH1	E	5.0	.7	180*			14	2-10*	*accurate values on request
	HEX	GT	Z	2.0	.7	405*		14	2-10*	PCM event recording (5800 Lennartz),
		SH1	N	5.0	.7	180*		14	2-10*	250 sps/chan sampling rate
		SH1	E	5.0	.7	180*		14	2-10*	*accurate values on request
	HLG	SI	Z	1.4*	1.0**	5.7 (1.25 Hz)	15			Seismometer-Galvanometer system
		SI	N	1.4*	1.0**	4.9 (1.25 Hz)	15			* Tg = 1.4 s
		SI	E	1.4*	1.0**	4.9 (1.25 Hz)	15			** hg = 1.0
		SL1	Z		15.0***	varying	15			*** Tg = 90 s
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
	HOL	LE	Z	1.0	.7	400		16	5	MARS88 event recording
		LE	N	1.0	.7	400		16	5	62.5 Hz sampling rate
		LE	E	1.0	.7	400		16	5	120 db dynamic range

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]			
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												
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					
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			

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]	
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		
KON	GT	Z	1.0	.65	200	84.8 (1 Hz)	60	12	8	PCM recording, Nyquist frequency 40 Hz
	GT	N	1.0	.65	200	471 (5 Hz)		12	8	
	GT	E	1.0	.65	200	942.5 (10 Hz)		12	8	
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			
	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	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
	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 prop. 0.625 – 5.0 Hz
	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	
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			
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

XIII

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	1.05	.62	185			16		PC recording 0–45 Hz
	MK	N	1.02	.62	194			16		100 Hz sampling rate
	MK	E	1.0	.62	187			16		
PLH	MK	Z	1.0	.62	163			24		PC recording 0–45 Hz
	MK	H*	.8	.62	157			24		200 Hz sampling rate
	MK	H*	.77	.62	176			24		* horizontal components not oriented in the borehole
PLN	J2	Z	1.6	.49		23	60	16	1.26	20 Hz sampling rate/SP
PST	J2	Z	1.6	.50		47	60	16	1.26	20 Hz sampling rate/SP
RELO	LE	Z	1.0	.7	400			12	76.3	PCM event recording (5000 Lennartz)
	LE	N	1.0	.7	400			12	76.3	166.6 Hz sampling rate,
	LE	E	1.0	.7	400			12	76.3	35 Hz anti-aliasing filter
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
	S2	N	120	0.707	1500			20	0.333	125 Hz sampling rate, 50 Hz anti-
	S2	E	120	0.707	1500			20	0.333	aliasing filter.
RUP	GT	Z	2.0	.7	405*			12	2–20*	event recording, 125 Hz sampling rate, *accurate values on request
SBG	LE	Z	1.0	.7	400			16	5	MARS88/OD event
	LE	N	1.0	.7	400			16	5	125 Hz sampling rate
	LE	E	1.0	.7	400			16	5	closed Nov. 1, 1996

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]	
SCE	GT	Z	1.5	.62	310	*	300**			* variable magnification, accurate value on request ** during weekends recording speed reduced to 120 mm/min
SGW	LE	Z	1.0	.7	400			16	5	MARS88 event recording
	LE	N	1.0	.7	400			16	5	62.5 Hz sampling rate
	LE	E	1.0	.7	400			16	5	120 db dynamic range
SOL	GT	Z	2.0	.7	405*			14	2–10*	PCM event recording (5800 Lennartz),
	SH1	N	5.0	.7	180*			14	2–10*	250 sps/chan sampling rate
	SH1	E	5.0	.7	180*			14	2–10*	*accurate values on request
SOS	LE	Z	1.0	.7	400			16	5	MARS88/OD event
	LE	N	1.0	.7	400			16	5	125 Hz sampling rate
	LE	E	1.0	.7	400			16	5	
STB	MK	Z	1.00	.7	57.4			14		PCM recording (5800 Lennartz),
	MK	N	1.00	.7	57.4			14		100 Hz sampling rate,
	MK	E	1.00	.7	57.4			14		20 Hz anti-aliasing filter
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	.156	20Hz sampling rate
	S2	N	120.7	.719	1500			24	.156	
	S2	E	120.7	.719	1500			24	.156	
	S2	Z	120.9	.718	1500			24	1.667	80 Hz sampling rate
TNS	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
	LE	N	1.0	.7	400			16	5	62.5 Hz sampling rate
	LE	E	1.0	.7	400			16	5	120 db dynamic range

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]	
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
	LE	N	1.0	0.7	400			16	5.0	125 Hz sampling rate
	LE	E	1.0	0.7	400			16	5.0	50 Hz anti-aliasing filter
WBS	MK	Z	1.0	.62	184			16		PC recording
	MK	N	1.0	.62	182			16		100 Hz sampling rate
	MK	E	1.0	.62	181			16		
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)
	SH1	N	5.0	.7	180*			14	2-10*	250 sps/chan sampling rate
	SH1	E	5.0	.7	180*			14	2-10*	* accurate values on request

xx.