

**BANDNOIS: Trillium EW deconvolved**

rms amplitudes in frequency bands with a constant relative width  
Seismometer: T = 120.0000 h = 0.7000000 G = 1000.000  
Digitizer: 1 count = 1.000000 Mikrovolt  
Inputfile: trill.lp  
bhz-trill.txt  
84000 punkte, dt= 1.00000  
the bandwidth is 0.386 times the center frequency

bandctr (m)Hz	bandwidth (m)Hz	ampli nm/s <sup>2</sup>	rms per root Hz	psd dB	NLNM dB	dif dB
0.383	0.148	53.181	138.270	-137.2	-147.6	10.4
0.261	0.101	63.221	199.143	-134.0	-142.6	8.6
0.178	0.069	152.318	581.282	-124.7	-146.2	21.5
0.121	0.047	189.907	878.036	-121.1	-158.2	37.1
0.083	0.032	14.416	80.752	-141.9	-166.1	24.2
0.056	0.022	5.528	37.516	-148.5	-168.1	19.5
0.038	0.015	1.864	15.326	-156.3	-181.1	24.8
0.026	0.010	0.366	3.644	-168.8	-186.4	17.6
0.018	6.866	0.269	3.248	-169.8	-187.5	17.7
0.012	4.678	0.248	3.629	-168.8	-186.4	17.6
8.254	3.187	0.233	4.136	-167.7	-185.0	17.3
5.623	2.171	0.250	5.357	-165.4	-185.5	20.0
3.831	1.479	0.242	6.291	-164.0	-186.7	22.7
2.610	1.008	0.329	10.362	-159.7	-186.7	27.0
1.778	0.687	0.582	22.215	-153.1	-184.7	31.6
1.212	0.468	1.342	62.042	-144.1	-180.7	36.6
0.825	0.319	2.979	166.884	-135.6	-176.3	40.7
0.562	0.217	4.435	300.984	-130.4	-171.8	41.4
0.383	0.148	6.067	498.789	-126.0	-167.4	41.4
0.261	0.101	7.914	788.292	-122.1	-163.0	40.9
0.178	0.069	11.170	1348.002	-117.4	-158.5	41.1

Note: an additional 1200 sec high-pass filter was applied.

**BANDNOIS: FBV EW deconvolved**

rms amplitudes in frequency bands with a constant relative width  
Seismometer: T = 120.0000 h = 0.7000000 G = 1000.000  
Digitizer: 1 count = 1.000000 Mikrovolt  
Inputfile: fbv.lp  
bhz-fbv.txt  
84000 punkte, dt= 1.00000  
the bandwidth is 0.386 times the center frequency

bandctr (m)Hz	bandwidth (m)Hz	ampli nm/s <sup>2</sup>	rms per root Hz	psd dB	NLNM dB	dif dB
0.383	0.148	53.489	139.069	-137.1	-147.6	10.4
0.261	0.101	63.289	199.356	-134.0	-142.6	8.6
0.178	0.069	152.232	580.957	-124.7	-146.2	21.5
0.121	0.047	189.535	876.313	-121.1	-158.2	37.1
0.083	0.032	14.388	80.592	-141.9	-166.1	24.2
0.056	0.022	5.535	37.560	-148.5	-168.1	19.6
0.038	0.015	1.866	15.339	-156.3	-181.1	24.8

0.026	0.010	0.346	3.447	-169.3	-186.4	17.1
0.018	6.866	0.243	2.930	-170.7	-187.5	16.8
0.012	4.678	0.246	3.604	-168.9	-186.4	17.5
8.254	3.187	0.293	5.183	-165.7	-185.0	19.3
5.623	2.171	0.360	7.727	-162.2	-185.5	23.2
3.831	1.479	0.530	13.791	-157.2	-186.7	29.5
2.610	1.008	0.845	26.630	-151.5	-186.7	35.2
1.778	0.687	1.509	57.570	-144.8	-184.7	39.9
1.212	0.468	3.183	147.159	-136.6	-180.7	44.1
0.825	0.319	3.846	215.458	-133.3	-176.3	42.9
0.562	0.217	5.030	341.337	-129.3	-171.8	42.5
0.383	0.148	9.168	753.818	-122.5	-167.4	44.9
0.261	0.101	12.439	1239.066	-118.1	-163.0	44.8
0.178	0.069	19.621	2367.848	-112.5	-158.5	46.0

Note: the corner period was entered as 120 sec because the signal was previously deconvolved to that corner period. An additional 1200 sec high-pass filter was applied.

**BANDNOIS: Trillium Original**

rms amplitudes in frequency bands with a constant relative width  
 Seismometer: T = 120.0000 h = 0.7070000 G = 63744.00  
 Digitizer: 1 count = 305.1758 Mikrovolt  
 Inputfile: 091227.bhz.trill.txt  
 Trillium Compact 120 24 hour record  
 86300 punkte, dt= 1.00000  
 the bandwidth is 0.386 times the center frequency

bandctr (m)Hz	bandwidth (m)Hz	ampli nm/s <sup>2</sup>	rms per root Hz	psd dB	NLNM dB	dif dB
0.383	0.148	64.943	168.851	-135.4	-147.6	12.1
0.261	0.101	60.811	191.552	-134.4	-142.6	8.2
0.178	0.069	121.931	465.321	-126.6	-146.2	19.5
0.121	0.047	150.663	696.591	-123.1	-158.2	35.1
0.083	0.032	21.705	121.580	-138.3	-166.1	27.8
0.056	0.022	15.589	105.792	-139.5	-168.1	28.6
0.038	0.015	12.445	102.321	-139.8	-181.1	41.3
0.026	0.010	10.223	101.830	-139.8	-186.4	46.5
0.018	6.866	8.588	103.637	-139.7	-187.5	47.8
0.012	4.678	7.681	112.297	-139.0	-186.4	47.4
8.254	3.187	8.245	146.045	-136.7	-185.0	48.3
5.623	2.171	11.575	248.398	-132.1	-185.5	53.4
3.831	1.479	19.198	499.137	-126.0	-186.7	60.7
2.610	1.008	33.613	1058.808	-119.5	-186.7	67.2
1.778	0.687	59.171	2258.105	-112.9	-184.7	71.8
1.212	0.468	105.004	4854.861	-106.3	-180.7	74.4
0.825	0.319	187.000	10474.793	-99.6	-176.3	76.7
0.562	0.217	334.788	22719.934	-92.9	-171.8	79.0
0.383	0.148	611.951	50313.816	-86.0	-167.4	81.4
0.261	0.101	990.820	98695.727	-80.1	-163.0	82.8
0.178	0.069	1782.358215095	828.828	-73.3	-158.5	85.2

**BANDNOIS: FBV Original**

rms amplitudes in frequency bands with a constant relative width  
Seismometer: T = 50.00000 h = 0.7070000 G = 63744.00  
Digitizer: 1 count = 305.1758 Mikrovolt  
Inputfile: 91227.000042.bhz-fbv.txt  
FBV 24 hour record  
86300 punkte, dt= 1.00000  
the bandwidth is 0.386 times the center frequency

bandctr (m)Hz	bandwidth (m)Hz	ampli nm/s^2	rms per root Hz	psd dB	NLNM dB	dif dB
0.383	0.148	53.273	138.508	-137.2	-147.6	10.4
0.261	0.101	63.038	198.567	-134.0	-142.6	8.5
0.178	0.069	151.333	577.526	-124.8	-146.2	21.4
0.121	0.047	188.652	872.232	-121.2	-158.2	37.0
0.083	0.032	14.453	80.958	-141.8	-166.1	24.3
0.056	0.022	5.687	38.594	-148.3	-168.1	19.8
0.038	0.015	2.258	18.564	-154.6	-181.1	26.5
0.026	0.010	1.230	12.255	-158.2	-186.4	28.1
0.018	6.866	1.388	16.746	-155.5	-187.5	32.0
0.012	4.678	2.044	29.880	-150.5	-186.4	35.9
8.254	3.187	3.454	61.186	-144.3	-185.0	40.7
5.623	2.171	6.081	130.502	-137.7	-185.5	47.8
3.831	1.479	10.782	280.331	-131.0	-186.7	55.7
2.610	1.008	19.224	605.553	-124.4	-186.7	62.3
1.778	0.687	33.805	1290.102	-117.8	-184.7	66.9
1.212	0.468	59.917	2770.267	-111.1	-180.7	69.5
0.825	0.319	107.432	6017.820	-104.4	-176.3	71.9
0.562	0.217	191.247	12978.745	-97.7	-171.8	74.1
0.383	0.148	347.581	28577.607	-90.9	-167.4	76.5
0.261	0.101	563.664	56146.680	-85.0	-163.0	77.9
0.178	0.069	1024.623123651	922	-78.2	-158.5	80.4

