

**Appendix A1 Liste der krustalen Beben**

Date (yyymmdd)	Origin (hm)	Time (s)	Latitude (°S)	Longitude (°W)	Depth (km)	RMS (s)	Magnitude (M <sub>L</sub> )
940202	0251	15.69	22.7386	68.4551	12.2	0.07	1.2
940202	0302	45.29	22.7167	68.4630	9.6	0.11	1.8
940203	1811	50.92	23.7601	68.3236	14.9	0.15	3.4 *
940203	2233	21.74	23.1482	68.9001	14.4	0.06	1.8
940205	0652	5.97	23.3991	68.4540	23.4	0.16	2.8 *
940207	0431	35.37	21.8679	68.7437	4.6	0.09	1.3
940207	0517	38.37	24.1645	68.1540	17.4	0.06	1.0
940207	1128	14.37	23.7098	68.4118	14.0	0.04	0.9
940207	1141	5.55	23.0419	68.6066	13.2	0.15	0.8
940207	1329	54.29	23.1451	68.8929	17.0	0.15	2.2 *
940210	0149	20.12	23.3709	68.3618	16.8	0.13	2.1 *
940210	1045	31.87	23.7155	68.2781	15.4	0.06	0.9
940212	0131	23.17	23.8204	68.2194	29.5	0.25	2.9 *
940212	1605	50.49	22.5331	69.1742	5.5	0.19	1.2
940212	1846	20.94	23.1460	68.8805	19.0	0.17	2.2
940213	1038	35.53	23.2192	68.5672	18.4	0.11	1.3
940213	1039	32.94	22.9111	68.5448	18.8	0.15	2.7 *
940213	1120	4.37	22.9118	68.5492	14.5	0.13	1.0
940213	1512	45.12	22.8856	68.5695	27.1	0.07	3.1 *
940214	0317	50.34	23.2215	68.5918	21.4	0.16	2.0
940214	1810	22.38	23.1451	68.8801	17.5	0.13	1.3
940215	1036	23.19	23.9970	68.6155	55.3	0.13	0.9
940216	1142	53.04	22.0793	68.1464	17.4	0.14	0.5
940217	1502	58.64	22.5221	69.1896	33.8	0.13	2.2
940218	1912	34.46	23.6684	68.0789	37.1	0.16	2.0
940219	1037	20.18	23.5548	68.0368	12.9	0.15	2.2
940219	2341	50.92	23.1591	68.1586	23.9	0.13	2.1
940219	2343	43.59	23.1925	68.1875	14.1	0.16	2.0
940220	0142	48.90	23.5106	68.0361	18.2	0.17	1.2
940220	1229	50.78	21.8804	68.2603	11.9	0.16	2.2
940221	1332	20.95	21.8684	68.2629	11.4	0.17	0.6
940221	1712	27.29	22.5917	69.1612	8.5	0.14	2.2
940222	0356	26.34	22.9489	68.2522	18.0	0.27	0.7
940222	2127	49.13	23.1456	68.8781	17.7	0.16	2.0
940223	0155	56.44	23.0891	68.3114	24.4	0.14	1.2
940223	1611	35.09	23.8289	68.4505	55.6	0.34	0.7
940224	1110	49.77	22.9285	68.2149	19.4	0.12	0.9
940225	0809	52.14	23.6970	68.7136	23.2	0.33	0.4
940226	1516	49.71	23.2729	68.5469	15.8	0.14	0.7
940227	0244	10.88	23.2875	68.4871	43.5	0.22	0.9
940227	0326	31.41	23.3306	68.5380	46.8	0.09	1.1
940227	0740	34.29	23.3293	68.5270	47.5	0.09	0.6
940227	1941	15.91	23.7141	67.9745	20.2	0.17	1.3
940228	0750	24.99	22.2209	67.9509	8.0	0.41	0.6
940228	1331	0.22	23.0656	68.1151	21.4	0.69	1.9
940228	1508	36.08	23.9055	68.3753	27.1	1.56	0.7
940228	1643	38.25	23.6546	68.3628	9.1	0.11	1.1
940301	0135	17.46	23.1214	68.4753	38.0	0.12	1.8 *
940302	0704	26.25	23.6739	68.2003	23.3	0.31	0.9
940302	0945	26.99	23.8567	68.5085	12.9	0.09	1.0
940302	2325	45.04	23.1427	68.8761	17.5	0.17	2.1
940304	0304	2.68	22.9862	68.2941	24.4	0.04	1.2
940304	1116	45.00	22.9887	68.2865	20.4	0.08	0.7
940304	1141	50.30	23.1657	68.4504	36.7	0.25	1.1
940304	2236	38.43	24.0293	68.6881	12.5	0.31	1.8

**Tabelle A1**

Liste der krustalen Beben. Die Sterne deutet auf Beben des PISCO-Katalogs hin.  
List of crustal earthquakes. Stars refer to events existing in PISCO-Catalog.

Date (yyymmdd)	Origin Time		Latitude (°S)	Longitude (°W)	Depth (km)	RMS (s)	Magnitude (M <sub>L</sub> )
	(hm)	(s)					
940307	1557	26.71	23.2073	68.7078	11.6	0.14	1.2
940308	1135	59.56	23.3153	68.0561	18.0	0.12	0.7
940309	1744	22.61	22.7109	68.9180	60.7	0.13	1.0
940309	1806	0.17	23.0938	68.3201	27.1	0.15	1.2
940310	0221	55.09	23.6073	68.1806	20.0	0.16	1.2
940311	1402	56.32	22.6839	69.0497	67.8	0.12	2.2
940311	1431	31.30	22.9893	69.2435	70.1	0.17	2.5 *
940312	1233	57.85	23.2373	67.6372	3.4	0.21	1.8
940312	1311	40.07	23.4336	68.4640	32.5	0.06	2.3 *
940312	1410	15.22	23.4401	68.4611	20.4	0.05	2.2
940312	1436	4.22	23.2366	67.6424	8.1	0.19	0.3
940312	1600	21.51	22.6007	69.2203	7.6	0.20	0.7
940312	2351	47.14	23.0341	67.7702	12.3	0.20	1.0
940313	0345	58.34	21.9206	68.7843	29.0	0.15	1.8
940314	0749	3.38	23.6093	68.6893	10.6	0.07	0.3
940314	1140	19.21	23.6075	68.6907	10.6	0.07	0.7
940314	1413	35.54	23.9875	68.6633	14.7	0.19	2.2
940314	1440	5.49	23.6064	68.7012	12.0	0.19	0.5
940315	0750	18.11	22.7011	69.0558	65.3	0.12	2.0
940315	1129	39.63	23.1207	68.4404	39.0	0.08	2.3 *
940316	1845	35.81	23.4029	68.4206	23.2	0.06	0.9
940317	1210	18.39	24.0085	68.6152	51.7	0.16	0.7
940317	1752	40.53	22.8213	68.3992	16.9	0.04	1.9
940317	1756	26.98	22.8263	68.3883	17.1	0.06	1.2
940317	1757	23.95	22.8271	68.3927	16.6	0.03	0.8
940317	1901	25.78	22.8269	68.3904	16.9	0.04	1.3
940317	2326	51.72	22.9062	68.4141	10.7	0.02	1.0
940318	0052	43.33	22.8315	68.4004	15.6	0.15	1.2
940319	0353	11.70	23.6045	68.4736	21.9	0.18	0.5
940319	1259	0.55	23.6995	68.7035	11.7	0.11	1.2
940319	2221	42.63	23.0929	68.3115	25.3	0.17	2.0
940319	2224	41.98	23.6974	68.7021	11.7	0.11	2.1
940320	0641	11.03	23.2115	67.6436	2.8	0.22	1.0
940321	0103	58.05	23.9592	68.6431	13.4	0.12	2.2
940321	0546	33.04	23.7220	68.2689	14.0	0.07	1.1
940321	1439	37.61	23.1353	68.8747	16.5	0.11	2.1 *
940322	0606	22.49	22.8388	68.2285	27.0	0.10	0.8
940322	0602	29.20	22.9758	69.2539	60.3	0.11	1.3
940322	0729	16.40	23.0239	68.3315	24.6	0.11	1.1
940322	0849	51.62	23.0043	68.3002	15.7	0.12	0.7
940322	2256	43.29	22.9827	68.2771	19.8	0.13	1.3
940323	0459	6.88	23.2154	68.5503	41.5	0.07	1.9 *
940323	0718	28.88	23.0079	68.2999	17.4	0.14	0.8
940323	1141	55.20	22.5990	68.2891	24.5	0.10	0.3
940323	1538	1.40	23.3845	68.4491	25.0	0.04	2.2
940325	0520	23.46	23.8873	68.3518	7.1	0.03	0.8
940326	0543	9.05	24.2030	68.7283	10.4	0.10	1.9
940326	0942	50.17	23.4049	68.6174	18.4	0.10	0.4
940327	0643	11.10	22.3765	68.5678	10.6	0.20	1.1
940327	1948	27.19	23.3490	68.3830	19.5	0.07	1.0
940329	0830	16.51	23.0565	67.6706	16.5	0.22	2.5 *
940329	0831	36.83	23.0999	67.6986	0.8	0.22	0.7
940329	0832	11.17	23.0969	67.6866	17.9	0.30	2.8
940329	0851	2.69	23.1003	67.7136	4.5	0.12	2.2
940330	1033	46.43	22.9876	69.2992	54.5	0.08	2.2
940330	1054	12.23	22.7130	69.0864	64.7	0.11	1.8
940331	0841	58.33	24.2765	68.4119	47.0	0.09	1.0
940331	0856	39.67	24.0302	68.2249	12.5	0.04	0.7
940331	1203	39.75	23.4011	68.4309	18.0	0.16	1.2

**Tabelle A1.** *Forsetzung*

Date (yyymmdd)	Origin Time (hm) (s)	Latitude (°S)	Longitude (°W)	Depth (km)	RMS (s)	Magnitude (M <sub>L</sub> )
940331	1433 57.20	23.3402	68.6293	14.1	0.09	1.3
940331	2318 19.41	24.0218	68.2953	2.9	0.06	2.0
940401	0530 47.58	21.8602	68.7233	4.7	0.19	2.1
940401	0810 29.01	23.6980	68.7020	11.5	0.11	1.0
940401	0857 15.60	23.4629	68.4081	23.7	0.28	1.0
940402	0052 21.25	23.3969	68.2768	12.7	0.21	0.7
940403	0442 27.36	23.3520	68.3735	17.6	0.05	0.5
940403	1942 36.71	23.6775	68.3096	19.7	0.10	0.7
940404	0259 38.30	21.8664	68.7363	3.9	0.10	1.9
940404	0856 30.82	23.7274	68.0189	25.0	0.11	0.8
940404	2325 57.43	23.8351	68.5648	12.3	0.12	3.4 *
940405	0910 7.55	23.4366	68.4622	22.9	0.10	1.3
940405	0917 21.44	23.4449	68.4490	20.1	0.09	0.6
940406	0143 0.42	24.0681	68.4491	10.4	0.09	1.3
940406	0548 34.43	22.1385	68.5770	15.0	0.22	2.0
940406	0752 2.36	22.0317	68.2007	17.6	0.21	1.2
940406	0755 52.77	22.6772	68.9117	61.6	0.26	2.2
940407	1253 11.77	23.1051	68.2482	17.7	0.10	1.2
940407	1608 54.81	23.1493	68.8793	11.0	0.06	0.9
940407	2206 21.54	22.5810	69.1435	8.5	0.17	2.0
940408	0955 53.15	22.6960	68.9050	61.0	0.08	1.9 *
940408	1124 17.88	23.1216	68.4376	38.8	0.11	2.0
940408	1903 44.14	21.8727	68.7419	3.8	0.13	2.4
940408	2251 39.09	23.1517	68.9625	10.8	0.20	2.0
940409	0509 57.31	21.8846	68.2854	12.1	0.16	2.2
940411	1228 11.29	23.3896	68.6062	19.5	0.07	0.6
940413	0755 54.59	22.0740	68.1726	19.0	0.15	1.0
940413	1857 7.13	22.7241	69.0511	68.2	0.15	2.5
940416	0815 48.90	22.7393	68.8440	66.9	0.03	2.0 *
940416	1903 4.61	22.6963	68.8978	61.2	0.07	2.0
940417	0417 33.36	22.8886	68.6558	6.3	0.11	0.5
940417	2213 31.16	23.2037	68.1501	15.7	0.09	2.5
940418	2117 7.57	22.2595	68.9430	15.1	0.21	1.3
940419	0258 22.59	22.1459	68.1103	14.4	0.14	2.2
940419	0308 35.59	22.1451	68.1034	14.9	0.18	2.0
940419	0323 18.44	22.1478	68.1109	13.6	0.20	1.1
940419	0331 16.38	22.1493	68.1085	13.7	0.20	1.0
940419	0403 16.77	22.1423	68.1158	13.0	0.20	0.9
940419	0556 14.71	21.6981	68.6931	8.9	0.05	0.6
940421	0212 48.96	23.7130	68.4198	17.5	0.17	2.2
940421	2156 37.20	23.1466	68.8774	14.3	0.12	1.2
940422	1633 26.46	22.6904	68.9162	65.0	0.17	1.8
940423	0252 27.72	23.1063	68.4550	41.9	0.05	1.0
940424	0027 11.04	22.7763	68.8607	66.2	0.07	2.2
940424	0343 21.78	23.1231	68.6999	11.0	0.14	0.7
940424	1031 29.42	23.1084	68.4819	42.9	0.02	1.0
940424	1358 0.84	23.1456	68.8847	14.8	0.11	1.0
940424	1609 49.80	23.3573	68.4770	12.8	0.05	0.5
940425	0740 26.25	24.1886	68.4473	2.2	0.21	0.9
940425	0801 47.04	23.2725	68.4915	36.2	0.13	1.0
940425	2252 24.33	24.0329	68.3712	4.1	0.12	1.8
940426	0506 58.34	22.6866	68.9008	62.9	0.14	2.8 *
940426	1830 19.21	23.6437	68.3302	13.1	0.19	2.0 *
940426	1843 30.51	23.6267	68.3318	9.8	0.21	1.9 *
940426	2131 55.90	23.1193	68.4389	39.4	0.06	1.3
940427	0012 18.30	23.5980	68.3350	8.0	0.30	1.1
940427	1434 1.03	23.1068	68.4662	41.3	0.06	2.0
940428	0152 37.72	21.8269	68.4401	16.1	0.23	2.0

**Tabelle A1.** Forsetzung

Date (yymmdd)	Origin Time		Latitude (°S)	Longitude (°W)	Depth (km)	RMS (s)	Magnitude (M <sub>L</sub> )
	(hm)	(s)					
940428	0216	11.57	23.1031	68.4645	41.3	0.02	1.1
940428	0740	47.10	23.1101	68.4543	42.1	0.04	0.9
940428	1248	28.70	21.8642	68.4173	8.2	0.10	1.2
940428	1557	43.18	23.8484	68.5057	18.3	0.18	2.4
940429	0334	54.34	23.1088	68.4588	41.3	0.01	0.7
940429	0648	28.11	21.8653	68.4226	6.5	0.13	1.2
940429	1427	1.42	23.1101	68.4599	41.8	0.03	1.1
940429	1655	15.84	21.8406	68.3984	7.1	0.17	1.3
940430	0206	46.14	21.8340	68.3949	8.0	0.12	2.4 *
940430	0645	12.33	21.8449	68.4504	12.7	0.14	1.1
940430	0659	28.65	21.8360	68.3998	8.7	0.17	0.9
940430	2129	13.05	23.1025	68.4559	41.0	0.03	1.9
940501	0226	1.02	23.1079	68.4630	42.7	0.06	1.2
940501	1350	54.70	23.1110	68.4586	41.4	0.02	1.3
940501	1404	11.28	23.1098	68.4588	41.5	0.07	2.2
940502	0220	24.68	23.3364	68.5369	47.9	0.04	0.8
940502	0308	23.96	23.1124	68.4378	40.1	0.07	2.3 *
940502	0647	59.82	23.1106	68.4485	39.4	0.28	1.1
940502	1037	20.91	22.1092	68.0298	15.7	0.31	2.2
940502	1047	59.90	22.1236	68.0113	13.9	0.15	2.1
940502	1113	26.14	22.1356	67.9864	14.7	0.22	1.8
940502	1322	32.98	22.1333	68.0064	14.9	0.17	1.8
940502	1455	19.27	22.1302	68.0058	13.5	0.15	2.0
940503	0159	33.39	23.1024	68.4629	40.5	0.04	2.0 *
940503	0301	19.12	23.0887	68.3104	24.5	0.13	1.3
940503	1238	55.51	23.1453	68.5238	25.6	0.17	1.9
940504	1055	45.51	23.1004	68.4678	40.6	0.06	1.8
940505	0153	44.74	23.1095	68.4605	42.2	0.06	2.2 *
940505	1105	30.02	23.0996	68.4664	39.8	0.06	2.0 *
940506	0224	38.32	22.6699	69.0808	65.9	0.02	2.2
940506	0900	8.32	22.6881	68.8399	69.8	0.07	1.9
940507	1016	34.16	23.1028	68.4707	40.7	0.08	2.2 *
940507	2210	13.57	23.1437	68.8903	17.6	0.12	2.2 *
940508	1018	3.20	23.1082	68.4800	43.4	0.13	1.0
940508	1533	20.57	22.6412	67.9374	17.7	0.20	0.7
940508	1636	29.18	22.6196	67.9419	21.9	0.30	1.3
940509	0015	8.28	23.1010	68.4660	40.8	0.06	1.3
940510	1141	38.32	23.8948	68.5937	47.7	0.08	0.9
940510	1715	42.60	23.1002	68.4422	36.3	0.08	2.1
940510	2155	45.14	22.9367	68.1499	18.1	0.20	2.4
940511	0955	35.95	23.3325	68.7009	12.8	0.22	0.7
940512	0908	12.28	23.1056	68.4227	38.7	0.25	1.2
940512	1454	25.82	23.1101	68.4554	42.4	0.04	2.5

**Tabelle A1.** *Forsetzung*

## Appendix A2 Liste der krustalen Beben mit Herdflächenlösungen

Date (yymmdd)	Origin Time (hm)	Latitude (°S)	Longitude (°W)	Depth (km)	Mag (M <sub>L</sub> )	Strike (°)	Dip (°)	Rake (°)
<b><u>Rake&gt;0°</u></b>								
940202	0302	22.7167	68.4630	9.6	1.8	155	12	70
940327	0643	22.3765	68.5678	10.6	1.1	185	65	110
940321	0546	23.7220	68.2689	14.0	1.1	48	40	123
940419	0308	22.1451	68.1034	14.9	2.0	128	70	111
940203	1811	23.7601	68.3236	14.9	3.4	62	75	10
940318	0052	22.8315	68.4004	15.6	1.2	42	50	80
940210	0149	23.3709	68.3618	16.8	2.1	88	51	50
940317	1752	22.8213	68.3992	16.9	1.9	45	55	81
940317	1756	22.8263	68.3883	17.1	1.2	160	40	82
940428	1557	23.8484	68.5057	18.3	2.4	135	36	50
940228	1331	23.0656	68.1151	21.4	1.9	135	50	118
940503	1238	23.1453	68.5238	25.6	1.9	0	40	160
940312	1311	23.4336	68.4640	32.5	2.3	85	65	65
940301	0135	23.1214	68.4753	38.0	1.8	150	54	145
940315	1129	23.1207	68.4404	39.0	2.3	185	31	10
940502	0308	23.1124	68.4378	40.1	2.3	141	88	125
940503	0159	23.1024	68.4629	40.5	2.0	139	89	133
940430	2129	23.1025	68.4559	41.0	1.9	25	40	30
940501	1404	23.1098	68.4588	41.5	2.2	35	52	70
940423	0252	23.1063	68.4550	41.9	1.0	5	65	50
940505	0153	23.1095	68.4605	42.2	2.2	100	85	45
940512	1454	23.1101	68.4554	42.4	2.5	163	60	175
940508	1018	23.1082	68.4800	43.4	1.0	156	38	136
940424	0027	22.7763	68.8607	66.2	2.2	21	78	158
<b><u>Rake&lt;0°</u></b>								
940402	0052	23.3969	68.2768	12.7	0.7	100	78	-180
940426	1830	23.6437	68.3302	13.1	2.0	100	12	-140
940421	2156	23.1466	68.8774	14.3	1.2	145	22	-60
940213	1120	22.9118	68.5492	14.5	1.0	95	47	-60
940417	2213	23.2037	68.1501	15.7	2.5	45	50	-88
940329	0830	23.0565	67.6706	16.5	2.5	50	73	-90
940321	1439	23.1353	68.8747	16.5	2.1	170	70	-60
940421	0212	23.7130	68.4198	17.5	2.2	110	20	-100
940329	0832	23.0969	67.6866	17.9	2.8	46	75	-100
940510	2155	22.9367	68.1499	18.1	2.4	168	30	-60
940213	1038	23.2192	68.5672	18.4	1.3	180	80	-180
940310	0221	23.6073	68.1806	20.0	1.2	167	30	-140
940312	1410	23.4401	68.4611	20.4	2.2	108	40	-40
940302	0704	23.6739	68.2003	23.3	0.9	65	65	-60
940205	0652	23.3991	68.4540	23.4	2.8	165	64	-92
940223	0155	23.0891	68.3114	24.4	1.2	180	45	-110
940323	1538	23.3845	68.4491	25.0	2.2	60	70	-140
940213	1512	22.8856	68.5695	27.1	3.1	115	52	-88
940212	0131	23.8204	68.2194	29.5	2.9	117	25	-94
940426	2131	23.1193	68.4389	39.4	1.3	130	50	-45
940505	1105	23.0996	68.4664	39.8	2.0	180	50	-75
940427	1434	23.1068	68.4662	41.3	2.0	3	70	-147
940323	0459	23.2154	68.5503	41.5	1.9	140	50	-45
940215	1036	23.9970	68.6150	55.3	0.9	205	85	-130
940408	0955	22.6960	68.9050	61.0	1.9	137	85	-80
940406	0755	22.6772	68.9117	61.6	2.2	162	55	-49
940330	1054	22.7130	69.0864	64.7	1.8	178	65	-58
940422	1633	22.6904	68.9162	65.0	1.8	120	45	-55
940416	0815	22.7393	68.8440	66.9	2.0	165	30	-20

**Tabelle A2**

Liste der krustalen Seismizität mit Herdflächenlösungen. Rake>0°deutet auf

die vorherrschenden Aufschiebungsmechanismen hin, rake $<0^{\circ}$  auf Abschiebungsmechanismen. Die Liste ist nach der Tiefe des Hypozentrums geordnet.

List of crustal seismicity with focal mechanisms. Rake $>0^{\circ}$  refers to predominant reverse mechanisms, rake $<0^{\circ}$  to normal ones. The list is ordered according to hypocentral depth.