

DATA\_TYPE BULLETIN IMS1.0

BGR Bulletin for Germany and adjacent areas

Event 925390 Moers, Ruhr Coal Mining District

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigI
2005/01/01	06:28:16.10	0.11	0.21	51.4975	6.5665	1.9	1.4	025	1.0f		22	12	257			m i si	LDG	925410
2005/01/01	06:28:16.40	0.82	0.31	51.4870	6.5740				1.0f		11	6	280	0.42	1.37	m i ki	BENS	925400
2005/01/01	06:28:14.70			51.4110	6.5490				1.0f							m i ki	BUG	925390

(#PRIME)

Magnitude Err Nsta Author OrigID

ML	2.4		LDG	925410
ML	1.8		BENS	925400
ML	1.5		BUG	925390

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ROD	0.35	221.0	Pg	06:28:24.310	3.0										mci
BUG	0.45	85.9	Pg	06:28:24.100	0.9					TA_				mde	ML 1.5
BUG	0.45	85.9	Sg	06:28:31.100	2.1					TA_				m_	
HOB	0.65	130.7	Pg	06:28:29.420	2.4									mde	
HOB	0.65	130.7	Sg	06:28:39.040	3.6							35.9	0.80	m_e	
KLL	0.78	191.1	Pg	06:28:32.420	3.1									m_e	
KLL	0.78	191.1	Sg	06:28:44.480	5.1							33.9	0.30	m_e	
STB	0.84	167.3	Pg	06:28:34.060	3.6									mci	
STB	0.84	167.3	Sg	06:28:46.640	5.3							28.9	0.40	m_e	
HIL	1.12	175.7	Pg	06:28:38.570	2.7									m_e	
HIL	1.12	175.7	Sg	06:28:54.740	4.4									m_e	
BGG	1.30	157.3	Pg	06:28:41.420	2.2									m_e	
BGG	1.30	157.3	Sg	06:28:59.360	3.3							10.2	0.70	m_e	

Event 50101002 Besancon/F, Doubs Valley

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigI
2005/01/01	10:42:10.80			47.1000	6.1000				2.0							m i uk	SED	5010102
2005/01/01	10:42:12.10	0.79	1.92	47.2100	6.0810	5.6	3.3	035	10.0f		22	12	274	0.53	1.93	m i ke	BGR	5010101
2005/01/01	10:42:11.30	0.05	0.47	47.2005	6.0415	1.0	0.8	133	9.2	0.7	60	23	053			m i ke	LDG	5010100

(#PRIME)

Magnitude Err Nsta Author OrigID

ML	2.3		SED	50101022
ML	2.1	1	BGR	50101012
ML	2.7		LDG	50101002

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
LOMF	0.55	74.0	Pg	10:42:21.993	0.1						5.2			m_e	
LOMF	0.55	74.0	Sg	10:42:28.834	-0.3						6.6			m_e	
BOURR	0.83	76.0	Pg	10:42:27.717	0.7						9.3			m_e	
BOURR	0.83	76.0	Sg	10:42:38.367	0.6						7.7			m_e	
MOF	0.98	48.1	Pg	10:42:30.098	0.2						7.8			m_e	

THEF	1.03	358.2	Pg	10:42:31.859	1.1	---	7.2	m_e
THEF	1.03	358.2	Sg	10:42:44.848	0.8	---	3.9	m_e
BBS	1.03	74.6	Pg	10:42:31.118	0.4	---	3.3	m_e
BBS	1.03	74.6	Sg	10:42:44.547	0.4	---	4.5	m_e
ECH	1.26	36.1	Pn	10:42:33.817	-0.6	---	3.8	m_e
ECH	1.26	36.1	Sg	10:42:51.731	0.2	---	5.8	m_e
SULZ	1.44	76.1	Pg	10:42:38.736	0.2	---	4.1	m_e
SULZ	1.44	76.1	Sg	10:42:57.293	0.1	---	5.3	m_e
FELD	1.49	62.3	Sg	10:42:58.287	-0.3	---	7.8	m_e
WLS	1.50	35.5	Sg	10:42:58.772	-0.2	---	5.1	m_e
SLE	1.75	70.2	Pg	10:42:44.073	-0.3	---	7.1	m_e
SLE	1.75	70.2	Sn	10:43:02.666	0.4	---	1.7	m_e
SLE	1.75	70.2	Sg	10:43:06.270	-0.7	---	11.2	m_e
BFO	1.91	52.9	Sn	10:43:06.316	0.4	---	1.7	m_e ML 2.1
BFO	1.91	52.9	Sg	10:43:11.759	-0.2	---	4.4	m_e
WILA	1.95	82.7	Pg	10:42:48.543	0.4	---	2.5	m_e
WILA	1.95	82.7	Sg	10:43:13.746	0.3	---	4.8	m_e

Event 50105002 Furtwangen/Black Forest, E of Freiburg

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigI	
D	2005/01/05	18:47:45.59		48.0000	8.1000				4.0							m i uk	SED	5010503	
2	2005/01/05	18:47:45.50	0.05	0.31	48.0822	8.0221	1.2	0.8	147	10.0	0.0	25	10	061		m i ke	LDG	5010502	
2	2005/01/05	18:47:45.49	0.18	1.64	48.0880	8.0240	1.1	1.1	048	10.0f		42	24	087	0.21	2.00	m i ke	BGR	5010501
2	2005/01/05	18:47:45.40	0.00		48.0800	8.0300	1.0	0.0	344	10.0f		18	12	117	0.14	1.64	m i ke	LED	5010500
																			(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	1.9		SED	50105032
ML	2.6		LDG	50105022
ML	1.9	1	BGR	50105012
ML	2.2		LED	50105002

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
FBB	0.14	236.5	Pg	18:47:48.880	0.3					T_				mci	
FBB	0.14	236.5	Sg	18:47:51.060	0.3					T_				m_	
KIZ	0.14	211.2	Pg	18:47:48.800	0.2					T_				mci ML	2.2
KIZ	0.14	211.2	Sg	18:47:51.170	0.4					T_				m_i	
FELD	0.20	184.9	Pg	18:47:49.900	0.3					T_				mdi	
FELD	0.20	184.9	Sg	18:47:53.105	0.6					---	6.7			m_e	
LIBD	0.29	284.0	Pg	18:47:51.700	0.5					T_				mci	
LIBD	0.29	284.0	Sg	18:47:56.060	0.9					T_				m_	
BFO	0.32	38.5	Pg	18:47:51.571	-0.1					---	13.4			m_e	
BFO	0.32	38.5	Sg	18:47:55.862	-0.1					---	19.1			m_e	
SLE	0.44	135.1	Pg	18:47:54.001	0.1					---	24.2			m_e	
SLE	0.44	135.1	Sg	18:47:59.928	0.2					---	17.9			m_e	
SPAK	0.51	87.2	Pg	18:47:55.300	0.2					T_				mci	
SULZ	0.55	174.2	Pg	18:47:56.128	0.1					---	11.3			m_e	
SULZ	0.55	174.2	Sg	18:48:03.597	0.4					---	3.9			m_e	

WLS	0.56	306.7	Pg	18:47:56.380	0.3	---												m_
WLS	0.56	306.7	Sg	18:48:03.603	0.2	---				8.1								m_e
ECH	0.60	283.5	Pg	18:47:56.850	0.1	T_												m_
ECH	0.60	283.5	Sg	18:48:04.504	-0.1	---				6.0								m_e
CDF	0.60	303.8	Pg	18:47:56.971	0.1	---				7.6								m_e
CDF	0.60	303.8	Sg	18:48:04.747	0.0	---				7.7								m_e
MOF	0.64	249.5	Pg	18:47:57.860	0.2	T_												m_
MOF	0.64	249.5	Sg	18:48:06.395	0.4	---				3.4								m_e
BBS	0.71	209.8	Pg	18:47:59.010	0.2	T_												m_
BBS	0.71	209.8	Sg	18:48:08.210	0.1	---				11.4								m_e
GUT	0.73	90.3	Pg	18:47:59.280	0.1	T_												mci ML
GUT	0.73	90.3	PmP	18:48:00.130	-1.3	---												2.2
GUT	0.73	90.3	Sg	18:48:08.850	0.2	T_												m_
SISB	0.74	121.8	Sg	18:48:09.660	0.6	T_												m_ ML
LBG	0.77	40.7	Pg	18:47:59.940	-0.1	T_												mce ML
LBG	0.77	40.7	Sg	18:48:09.870	-0.3	T_												2.2
ZUR	0.80	152.3	Pg	18:48:00.847	0.2	---				3.5								m_e
ZUR	0.80	152.3	Sg	18:48:11.555	0.5	---				5.3								m_e
HINF	0.83	252.0	Pg	18:48:00.550	-0.6	---				12.9								m_e
HINF	0.83	252.0	Sg	18:48:11.785	-0.2	---				3.5								m_e
BOURR	0.87	218.4	Pg	18:48:02.147	0.3	---				3.6								m_e
BOURR	0.87	218.4	Sg	18:48:13.392	0.2	---				13.2								m_e
WILA	0.89	138.1	Pg	18:48:02.595	0.4	---				6.6								m_e
WILA	0.89	138.1	Sg	18:48:14.130	0.3	---				9.0								m_e
LANF	0.91	350.7	Pg	18:48:02.741	0.1	---				2.6								m_e
LANF	0.91	350.7	Sg	18:48:14.937	0.4	---				3.0								m_e
BUCH	0.96	66.7	Pg	18:48:03.550	0.1	T_												mce ML
BUCH	0.96	66.7	Sg	18:48:16.540	0.7	T_												2.2
STU	1.04	47.7	Pg	18:48:05.337	0.3	---				1.1								m_e ML
STU	1.04	47.7	Sg	18:48:18.058	-0.4	---				3.2								1.9
LOMF	1.09	228.4	Pn	18:48:06.140	0.1	---												m_e
LOMF	1.09	228.4	Pg	18:48:06.146	0.2	---				6.6								m_e
LOMF	1.09	228.4	Sg	18:48:20.445	0.3	---				5.4								m_e
HAU	1.13	266.8	Pn	18:48:06.115	-0.4	---				10.3								m_e
HAU	1.13	266.8	Sg	18:48:21.458	0.1	---				3.9								m_e
THEF	1.37	277.0	Sg	18:48:28.615	-0.3	---				2.6								m_e
UBR	1.45	105.2	Sg	18:48:31.790	0.2	---												m_ ML
SWS	1.47	17.2	Sg	18:48:31.120	-1.1	---												2.2
HDH	1.53	70.0	Pg	18:48:14.160	-0.2	---												m_ ML
SIND	1.64	38.7	Pg	18:48:16.240	-0.1	---												2.3
SIND	1.64	38.7	Sg	18:48:35.630	-2.0	---												m_ ML
RUP	1.74	338.9	Pg	18:48:18.197	-0.1	---												2.1
RFYF	1.78	288.9	Sg	18:48:42.341	0.2	---				3.6								m_e
ABH	1.83	350.2	Pg	18:48:19.652	-0.3	---				2.2								m_e
SFTF	2.00	274.7	Sg	18:48:48.780	-0.2	---				2.4								m_e
WLF	2.01	322.8	Sg	18:48:48.595	-0.7	---				2.0								m_e
						---				1.3								m_e

Event 50106002 Lebach, N of Saarbruecken

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigI	
D																			
2005/01/06	10:31:28.50	1.54	0.61	49.4660	6.8940				1.0f		9	5	322	0.79	1.54	m i ki	BENS	5010602	
2005/01/06	10:31:26.80	0.06	0.44	49.3850	6.9060	1.4	1.0	084	1.0f		25	12	057			m i si	LDG	5010601	

2  
2005/01/06 10:31:27.03 0.36 0.60 49.4010 6.9220 4.4 3.3 024 1.0f 15 10 159 0.56 4.47 m i ki BGR 5010600

2  
(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.0		BENS	50106022
ML	3.0		LDG	50106012
ML	2.2	1	BGR	50106002

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WLF	0.56	298.1	Pg	10:31:37.898	0.2					T__	5.5			m_e	
WLF	0.56	298.1	Sg	10:31:45.084	0.1					T__	9.6			m_e	
BGG	0.85	18.2	Pg	10:31:43.120	0.1					---				m_e	
BGG	0.85	18.2	Sg	10:31:54.570	0.6					---		69.1	0.30	m_e	
HIL	0.91	350.2	Pg	10:31:44.470	0.4					---				m_e	
HIL	0.91	350.2	Sg	10:31:55.920	0.1					---		74.0	0.50	m_e	
STB	1.19	357.5	Pg	10:31:50.150	0.6					---				m_e	
STB	1.19	357.5	Sg	10:32:06.310	1.3					---		52.1	0.70	m_e	
KLL	1.31	342.8	Pg	10:31:51.300	-0.3					---				m_e	
KLL	1.31	342.8	Sg	10:32:07.180	-1.4					---		21.9	0.80	m_e	
BFO	1.42	138.6	Pg	10:31:53.343	-0.4					T__	6.0			m_e	ML 2.2
BFO	1.42	138.6	Sg	10:32:11.847	-0.2					T__	7.0			m_e	
HGN	1.50	335.4	Pg	10:31:55.253	-0.1					T__	5.2			m_e	
HGN	1.50	335.4	Sg	10:32:14.683	-0.1					T__	4.2			m_e	
HOB	1.60	9.3	Sg	10:32:16.030	-2.0					---				m_e	
UBBA	2.43	53.1	Sg	10:32:44.869	0.6					T__	2.2			m_e	
MOX	3.26	65.8	Pg	10:32:27.242	-1.2					T__	1.5			m_e	
GUNZ	3.62	72.5	Pg	10:32:34.988	-0.2					T__	1.7			m_e	
WERD	3.62	71.2	Pg	10:32:34.815	-0.4					T__	1.5			m_e	
WERD	3.62	71.2	Sg	10:33:22.654	0.6					T__	2.4			m_e	
TANN	3.71	72.0	Pg	10:32:37.196	0.3					T__	2.2			m_e	
TANN	3.71	72.0	Sg	10:33:25.151	0.3					T__	3.5			m_e	
WET	3.89	91.5	Pn	10:32:27.879	1.1					T__	2.9			m_e	
GEC2	4.47	94.6	Pn	10:32:35.606	1.0					T__	10.0			m_e	
GEC2	4.47	94.6	(Sn)	10:33:26.492	3.0					---	1.5			m_e	

Event 50107001 Poland  
Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID  
2005/01/07 02:19:01.84 0.79 51.5720 16.1940 15.6 6.7 171 1.0f 11 8 307 1.57 3.67 m i ki BGR 5010700  
1

Magnitude	Err	Nsta	Author	OrigID
ML	3.0	0.3	6 BGR	50107001

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	1.57	244.5	Pn	02:19:30.881	0.8					T__				m_e	ML 2.7
BRG	1.57	244.5	Sg	02:19:51.670	-0.2					T__				m_e	
CLL	2.01	263.7	Pn	02:19:35.616	-0.4					T__				m_e	ML 2.9
CLL	2.01	263.7	Sg	02:20:05.673	0.1					T__				m_e	
TANN	2.62	245.2	Pn	02:19:45.424	1.1					T__				m_e	ML 3.1
WERD	2.69	246.8	Pn	02:19:46.517	1.2					T__				m_e	ML 2.8



NOTT	3.19	237.7	Pn	04:31:01.869	1.1	T__	m_e	ML	4.0
NOTT	3.19	237.7	Sg	04:31:52.171	0.4	T__	m_e		
GEC2	3.21	212.1	Pn	04:31:02.461	1.4	T__	m_e	ML	3.9
WET	3.28	223.0	Pn	04:31:02.961	1.0	T__	m_e	ML	3.8
CLZ	3.68	276.2	Pn	04:31:09.084	1.7	T__	m_e	ML	4.0
CLZ	3.68	276.2	Sg	04:32:07.535	0.1	T__	m_e		
GRA1	3.73	241.4	Pn	04:31:09.882	1.7	T__	m_e	ML	4.5
NRDL	3.91	285.8	Pn	04:31:12.889	2.3	T__	m_e		
BSEG	4.31	305.3	Pn	04:31:16.432	0.5	T__	m_e		
FUR	4.71	225.3	Pn	04:31:23.249	1.8	T__	m_e		
STU	5.35	241.0	Sg	04:33:01.227	0.8	T__	m_e		
BFO	6.07	240.6	Pn	04:31:39.845	0.0	T__	m_e		

Event 50107004 Hamm/Westfalen, Ruhr Coal Mining District

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigI
2005/01/07	10:37:35.27	0.39	0.83	51.6110	7.7550	5.6	3.3	171	1.0f		8	5	123	0.35	2.61	m i ki	BGR	5010701
2005/01/07	10:37:34.00			51.6740	7.7500				1.0f				196	0.08	0.38	m i ki	BUG	5010700

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.2	0.1	2 BGR	50107014
ML	2.3		BUG	50107004

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BAHL	0.08	35.2	Pg	10:37:37.000	1.5					T__				m__	ML	2.2
BAHL	0.08	35.2	Sg	10:37:38.900	2.4					T__				m__		
BUG	0.38	232.2	Pg	10:37:42.100	1.0					TA__				mde	ML	2.3
BUG	0.38	232.2	Sg	10:37:48.000	1.9					TA__				m__		
IBBN	0.63	0.4	Sg	10:37:57.260	3.1					___	5.6			m_e	ML	2.2
CLZ	1.63	83.1	Pn	10:38:04.826	1.8					___	3.4			m_e		
CLZ	1.63	83.1	Sg	10:38:27.605	1.8					___	3.0			m_e		
UBBA	1.65	120.4	Pg	10:38:05.988	0.9					___	1.6			m_e		
UBBA	1.65	120.4	Sg	10:38:26.514	0.2					___	2.0			m_e		
MOX	2.63	111.5	Pg	10:38:24.072	0.4					___	1.7			m_e		

Event 923827 E of Metz/F

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigI
2005/01/09	14:50:40.90	0.05	0.32	49.0104	6.5649	1.0	0.9	126	5.0f		27	12	070			m i ke	LDG	923837

Magnitude	Err	Nsta	Author	OrigID
ML	2.2		LDG	923837

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	1.35	119.6	Sg	14:51:23.308	-0.5					___				m_e	

Event 50109004 Saarbruecken-West

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigI
2005/01/09	20:58:30.90	0.72	0.41	49.3570	6.9710				1.0f		14	5	327	0.88	1.86	m i ki	BENS	5010903
2005/01/09	20:58:31.10	0.05	0.67	49.3591	6.9229	1.1	1.0	105	1.0f		83	29	041			m i si	LDG	5010902
2005/01/09	20:58:31.03	0.34	1.34	49.3510	6.9090	6.7	4.4	023	1.0f		27	14	165	0.58	4.76	m i ki	BGR	5010901
2005/01/09	20:58:31.20	0.50		49.3700	6.9300	7.0	3.0	091	1.0f		31	20	166	0.34	2.29	m i ki	LED	5010900

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.9		BENS	50109034
ML	3.7		LDG	50109024
ML	3.1	0.3	13 BGR	50109014
ML	3.0		LED	50109004

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
RUP	0.34	14.2	Pg	20:58:37.780	0.1					T__				mce	
RUP	0.34	14.2	Sg	20:58:43.500	1.4					T__				m__	
WLF	0.58	300.6	Pg	20:58:42.035	-0.2						39.8			m_e ML	2.7
WLF	0.58	300.6	Sg	20:58:48.368	-1.4						159.3			m_e	
ABH	0.65	37.8	Pg	20:58:42.980	-0.5					T__				m_e	
ABH	0.65	37.8	Sg	20:58:51.940	0.1					T__				m__	
LANF	0.69	123.9	Pg	20:58:44.210	-0.0					T__				m_e	
KTD	0.75	93.4	Pg	20:58:46.220	0.8					T__				m__	
BGG	0.88	17.2	Pg	20:58:47.430	-0.3									m_e	
BGG	0.88	17.2	Sg	20:58:59.870	0.8							323.6	0.90	m_e	
HIL	0.94	350.2	Pg	20:58:49.090	0.2									m_e	
HIL	0.94	350.2	Sg	20:59:02.060	1.1									m_e	
WLS	1.00	163.6	Pg	20:58:48.970	-1.0					T__				m_e	
SWS	1.16	83.7	Pg	20:58:52.240	-0.8					T__				m__ ML	2.9
SWS	1.16	83.7	Sg	20:59:09.090	1.1					T__				m__	
ECH	1.16	172.5	Pn	20:58:52.610	-1.3					T__				m__	
STB	1.23	357.3	Pg	20:58:53.660	-0.6									m_e	
STB	1.23	357.3	Sg	20:59:11.480	1.4							185.6	0.50	m_e	
TOD	1.24	78.3	Pn	20:58:53.420	-1.5					T__				m__	
TOD	1.24	78.3	Sg	20:59:11.640	1.0									m__	
LIBD	1.30	159.8	Pn	20:58:55.900	0.2					T__				m__	
THEF	1.30	208.7	Pn	20:58:54.760	-1.0					T__				m_e	
KLL	1.34	343.0	Pg	20:58:55.210	-1.2									m_e	
KLL	1.34	343.0	Sg	20:59:12.990	-0.7							97.1	0.50	m_e	
BFO	1.39	137.9	Pg	20:58:56.032	-1.4						37.5			m_e ML	2.9
BFO	1.39	137.9	Sg	20:59:16.122	0.8						175.8			m_e	
LBG	1.41	119.3	Pn	20:58:56.380	-0.9					T__				m__ ML	3.1
LBG	1.41	119.3	Pg	20:58:57.860	0.0					T__				m__	
LBG	1.41	119.3	Sg	20:59:16.930	0.9					T__				m__	
MOF	1.52	174.9	Pn	20:58:59.410	0.6					T__				m__	
MOF	1.52	174.9	Sg	20:59:20.100	0.5					T__				m__	
KIZ	1.56	154.8	Pn	20:58:58.400	-0.9					T__				m_e ML	3.1
KIZ	1.56	154.8	Pg	20:59:00.210	-0.3					T__				m__	
KIZ	1.56	154.8	Sg	20:59:20.670	-0.0					T__				m__	

STU	1.60	111.1	Pn	20:58:59.205	-0.6	---	2.4						m_e	ML	2.9
STU	1.60	111.1	Pg	20:58:59.076	-2.3	---							m_e		
STU	1.60	111.1	Sg	20:59:19.178	-2.8	---	12.4						m_e		
BNS	1.60	5.6	Pg	20:58:59.160	-2.2	---							m_e		
BNS	1.60	5.6	Sg	20:59:19.260	-2.8	---							m_e		
HOB	1.63	9.0	Pg	20:58:59.750	-2.2	---							m_e		
HOB	1.63	9.0	Sg	20:59:20.270	-2.8	---				375.1	0.70		m_e		
FELD	1.65	154.2	Pn	20:59:00.580	0.0	T_							m_		
FELD	1.65	154.2	Sg	20:59:23.950	0.2	T_							m_		
SIND	1.74	89.7	Pn	20:59:00.690	-1.1	T_							m_e	ML	2.9
SPAK	1.76	135.3	Pg	20:59:04.500	0.1	T_							m_		
ROD	1.84	345.2	Pg	20:59:01.840	-4.0	---							m_e		
ROD	1.84	345.2	Sg	20:59:25.070	-4.5	---							m_e		
BUCH	1.84	119.1	Pn	20:59:02.580	-0.5	T_							m_e	ML	3.1
GUT	1.94	131.2	Pn	20:59:03.970	-0.5	T_							m_e	ML	3.0
GUT	1.94	131.2	Sg	20:59:33.360	0.5	T_							m_		
LOMF	2.02	182.0	Sg	20:59:35.500	0.1	T_							m_		
BUG	2.08	5.8	Pg	20:59:09.500	-0.9	---	2.1						m_e	ML	3.1
BUG	2.08	5.8	Sn	20:59:34.045	2.6	---	7.9						m_e		
BUG	2.08	5.8	Sg	20:59:35.671	-1.7	---							m_e		
SISB	2.16	140.6	Pg	20:59:11.890	0.1	---							m_	ML	2.9
HDH	2.29	108.8	Pn	20:59:08.820	-0.4	T_							m_	ML	3.0
HDH	2.29	108.8	Sg	20:59:45.950	2.0	T_							m_		
UBBA	2.45	52.5	Sg	20:59:49.322	0.4	---	9.2						m_e	ML	2.8
GRA1	2.80	81.8	Pn	20:59:17.190	1.0	---							m_e	ML	3.3
MOX	3.27	65.3	Pn	20:59:22.922	0.4	---	1.6						m_e	ML	3.2
MOX	3.27	65.3	Pg	20:59:31.484	-1.3	---	10.2						m_e		
MOX	3.27	65.3	Sn	21:00:01.656	2.3	---	2.0						m_e		
MOX	3.27	65.3	Sg	21:00:16.227	1.2	---	15.1						m_e		
CLZ	3.30	40.2	Pg	20:59:33.787	0.4	---	3.5						m_e		
MZEK	3.30	77.8	Pn	20:59:24.300	1.4	---							mdi	ML	2.8
NOTT	3.39	80.6	Pn	20:59:26.350	2.2	---							m_e	ML	3.1
MANZ	3.41	77.6	Pn	20:59:25.700	1.4	---							mdi		
WERD	3.63	70.7	Pn	20:59:28.393	1.1	---	2.1						m_e	ML	3.2
WERD	3.63	70.7	Pg	20:59:38.634	-0.9	---	8.9						m_e		
WERD	3.63	70.7	Sg	21:00:26.567	0.2	---	24.0						m_e		
NRDL	3.71	31.4	Pg	20:59:41.548	0.4	---	2.7						m_e		
TANN	3.71	71.6	Pg	20:59:41.385	0.2	---	11.5						m_e	ML	3.4
TANN	3.71	71.6	Sg	21:00:29.349	0.2	---	18.8						m_e		
WET	3.89	91.1	Pn	20:59:31.661	0.8	---	17.8						m_e	ML	3.4
WET	3.89	91.1	Sg	21:00:37.103	2.4	---	16.5						m_e		
RJOB	4.21	110.6	Pn	20:59:37.300	2.1	---							mci	ML	2.8
CLL	4.33	61.1	Pn	20:59:31.000	-5.9	---							m_e		
CLL	4.33	61.1	Pg	20:59:55.000	2.2	---							m_e		
CLL	4.33	61.1	Sg	21:00:50.189	1.4	---	3.6						m_e		
BGLD	4.38	110.8	Pn	20:59:39.100	1.6	---							mci		
GEC2	4.46	94.2	Pn	20:59:39.832	1.2	---	35.0						m_e		
GEC2	4.46	94.2	Sn	21:00:30.429	3.0	---	9.2						m_e		
BRG	4.74	68.8	Pg	20:59:58.732	-1.8	---	3.5						m_e		
BRG	4.74	68.8	Sg	21:01:00.136	-1.6	---	5.1						m_e		

Event 50110003 Epinal-N/F, Rambervillers

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigI



D  
 2005/01/10 07:58:02.06 0.28 1.36 48.3510 6.6400 2.2 2.2 094 10.0f 23 13 117 0.37 1.89 m i ke BGR 5011001  
 3  
 2005/01/10 07:58:02.50 0.07 0.53 48.3165 6.6449 1.4 1.0 168 12.2 0.7 50 21 044 m i ke LDG 5011000  
 3  
 (#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	1	BGR	50110013
ML	2.8		LDG	50110003

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ECH	0.36	106.2	Pg	07:58:09.256	-0.3						8.9			m_e	
ECH	0.36	106.2	Sg	07:58:14.025	-0.3						14.6			m_e	
THEF	0.44	258.7	Pg	07:58:10.703	-0.4						18.8			m_e	
THEF	0.44	258.7	Sg	07:58:16.527	-0.4						7.4			m_e	
WLS	0.48	78.2	Pg	07:58:11.374	-0.4						15.6			m_e	
WLS	0.48	78.2	Sg	07:58:17.612	-0.6						13.8			m_e	
MOF	0.57	144.8	Pg	07:58:13.880	0.5						3.8			m_e	
MOF	0.57	144.8	Sg	07:58:21.175	0.3						7.0			m_e	
LIBD	0.66	104.2	Sg	07:58:23.784	0.0						2.5			m_e	
LOMF	0.97	172.7	Pg	07:58:21.174	0.2						10.8			m_e	
LOMF	0.97	172.7	Sg	07:58:34.275	0.7						14.8			m_e	
FELD	1.01	115.4	Pg	07:58:21.447	-0.2						2.9			m_e	
FELD	1.01	115.4	Sg	07:58:34.874	0.1						6.0			m_e	
BBS	1.03	145.5	Sg	07:58:35.772	0.4						4.7			m_e	
BFO	1.12	88.7	Pn	07:58:22.201	-1.1						6.8			m_e ML	1.8
BFO	1.12	88.7	Sg	07:58:37.802	-0.5						7.5			m_e	
KTD	1.38	42.8	Pg	07:58:27.915	-0.7						3.7			m_e	
KTD	1.38	42.8	Sg	07:58:45.899	-0.6						5.2			m_e	
RUP	1.41	10.9	Pg	07:58:28.134	-1.0						2.8			m_e	
RUP	1.41	10.9	Sg	07:58:45.632	-1.8						3.7			m_e	
ABH	1.67	20.3	Pn	07:58:30.260	-0.6						1.7			m_e	
ABH	1.67	20.3	Sg	07:58:54.345	-1.4						3.3			m_e	
TOD	1.92	46.9	Sg	07:59:02.100	-1.4						4.4			m_e	

Event 50110004 Poland  
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigI  
 D  
 2005/01/10 14:41:02.65 0.61 51.4790 16.3080 6.7 4.4 162 1.0f 20 10 306 1.60 3.69 m i ki BGR 5011000  
 4

Magnitude	Err	Nsta	Author	OrigID
ML	4.2	0.2	9 BGR	50110004

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	1.60	248.7	Pg	14:41:31.275	-1.6					T__				m_e ML	4.1
BRG	1.60	248.7	Sg	14:41:53.685	0.2					T__				m_e	
CLL	2.07	266.5	Pn	14:41:37.388	-0.3					T__				m_e ML	4.0
CLL	2.07	266.5	Sg	14:42:07.845	-0.5					T__				m_e	
TANN	2.65	247.8	Pn	14:41:46.672	1.2					T__				m_e ML	4.3
TANN	2.65	247.8	Sg	14:42:27.793	1.1					T__				m_e	
WERD	2.72	249.3	Pn	14:41:47.381	0.9					T__				m_e ML	4.1

WERD	2.72	249.3	Sg	14:42:30.189	1.0	T__	m_e												
NEUB	2.85	266.0	Pn	14:41:49.854	1.6	T__	m_e												
NEUB	2.85	266.0	Sg	14:42:33.365	0.2	T__	m_e												
MOX	3.06	256.0	Pn	14:41:51.785	0.6	T__	m_e	ML	4.5										
MOX	3.06	256.0	Sg	14:42:40.746	0.8	T__	m_e												
GEC2	3.12	213.4	Pn	14:41:53.646	1.8	T__	m_e	ML	4.1										
GEC2	3.12	213.4	Sg	14:42:40.972	-0.7	T__	m_e												
NOTT	3.13	239.5	Pn	14:41:53.203	1.1	T__	m_e	ML	4.2										
NOTT	3.13	239.5	Sg	14:42:41.449	-0.8	T__	m_e												
WET	3.20	224.5	Pn	14:41:54.312	1.3	T__	m_e	ML	4.2										
WET	3.20	224.5	Sg	14:42:44.782	0.4	T__	m_e												
GRA1	3.69	243.0	Pn	14:42:01.280	1.7	T__	m_e	ML	4.6										
GRA1	3.69	243.0	Sg	14:43:00.461	0.6	T__	m_e												

Event 50112001 Koenigstuhl, Turracher Hoehe/A, NE of Spittal

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigI
2005/01/12	01:19:29.58	1.14	1.91	46.9680	13.7770	22.2	17.8	154	0.0f		7	3	307	1.88	2.26	m i ke	BGR	50112001

Magnitude	Err	Nsta	Author	OrigID
ML	2.5	0.3	3 BGR	50112001

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
SCE	1.41	273.6	Pg	01:19:49.600	-6.6					---				m_e	ML 2.0
SCE	1.41	273.6	Sg	01:20:09.600	-4.8					---				m_i	
GEC2	1.88	358.5	Pn	01:20:02.086	-0.0					T__	1.2			m_e	ML 2.3
GEC2	1.88	358.5	Pg	01:20:05.999	1.0					T__	3.6			m_e	
GEC2	1.88	358.5	Sg	01:20:31.280	2.0					T__				m_e	
FUR	2.07	306.2	Pg	01:20:06.734	-1.8					T__	2.9			m_e	ML 2.8
FUR	2.07	306.2	Sg	01:20:37.556	2.3					T__				m_e	
WET	2.26	344.9	Pn	01:20:07.122	-0.1					T__	1.8			m_e	ML 2.3
WET	2.26	344.9	Sg	01:20:37.877	-3.4					T__				m_e	

Event 50113003 Saarbruecken-West

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigI
2005/01/13	16:08:42.60	1.16	0.51	49.4650	6.9000				1.0f		7	5	322	0.79	1.54	m i ki	BENS	50113023
2005/01/13	16:08:40.60	0.05	0.41	49.3865	6.8967	1.2	1.0	088	1.0f		30	13	057			m i si	LDG	50113013
2005/01/13	16:08:40.76	0.38	4.81	49.3950	6.9200	7.8	4.4	009	1.0f		15	8	161	0.57	4.47	m i ki	BGR	50113003

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.1		BENS	50113023
ML	2.8		LDG	50113013
ML	2.1	0.3	3 BGR	50113003

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WLF	0.57	298.7	Pg	16:08:51.662	0.2					T__	5.0			m_e	ML 1.8
WLF	0.57	298.7	Sg	16:08:58.295	-0.5					T__	10.6			m_e	
BGG	0.85	18.1	Pg	16:08:58.120	1.3					---				m_e	
BGG	0.85	18.1	Sg	16:09:08.380	0.5					---		54.1	0.30	m_e	
HIL	0.91	350.3	Pg	16:08:58.420	0.5					---				m_e	
HIL	0.91	350.3	Sg	16:09:10.460	0.8					---				m_e	
STB	1.20	357.6	Sg	16:09:19.490	0.6					---		35.7	0.60	m_e	
KLL	1.31	342.9	Pg	16:09:04.830	-0.7					---				m_e	
BFO	1.41	138.4	Pg	16:09:06.911	-0.5					T__	5.9			m_e	ML 2.1
BFO	1.41	138.4	Sg	16:09:24.272	-1.3					T__	17.0			m_e	
HOB	1.61	9.3	Sg	16:09:30.450	-1.5					---		67.4	0.80	m_e	
GRA1	2.81	82.3	Pg	16:09:32.955	-0.7					T__				m_e	
MOX	3.26	65.7	Pn	16:09:33.348	1.4					T__	1.2			m_e	ML 2.4
MOX	3.26	65.7	Pg	16:09:41.064	-1.2					T__	2.3			m_e	
MOX	3.26	65.7	Sg	16:10:24.912	0.4					T__	1.5			m_e	
GUNZ	3.62	72.4	Pg	16:09:48.450	-0.5					T__	1.8			m_e	
GUNZ	3.62	72.4	Sg	16:10:36.097	0.4					T__	1.5			m_e	
WERD	3.62	71.1	Pg	16:09:48.502	-0.5					T__	1.6			m_e	
WERD	3.62	71.1	Sg	16:10:35.614	-0.3					T__	2.4			m_e	
TANN	3.71	71.9	Sg	16:10:37.809	-0.8					T__	2.1			m_e	
WET	3.89	91.4	Pn	16:09:41.516	1.0					T__	2.4			m_e	
GEC2	4.47	94.5	Pn	16:09:49.152	0.8					T__	10.2			m_e	
GEC2	4.47	94.5	Sn	16:10:40.736	3.5					T__	2.6			m_e	

Event 50113005 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigI
2005/01/13	17:34:40.26	0.78		50.0340	18.3050	8.9	7.8	173	1.0f		16	11	297	2.90	6.73	m i ki	BGR	5011300

Magnitude Err Nsta Author OrigID  
ML 3.8 0.2 9 BGR 50113005

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	2.90	288.5	Pg	17:35:33.560	-1.4					T__				m_e	ML 3.6
BRG	2.90	288.5	Sg	17:36:12.234	-0.2					T__				m_e	
GEC2	3.22	250.1	Pn	17:35:32.978	2.1					T__				m_e	ML 3.7
GEC2	3.22	250.1	Sg	17:36:23.131	0.6					T__				m_e	
WET	3.63	257.9	Pn	17:35:36.753	0.4					T__				m_e	ML 3.9
WET	3.63	257.9	Sg	17:36:34.305	-1.2					T__				m_e	
RUE	3.74	312.5	Sg	17:36:39.801	0.8					T__				m_e	ML 4.0
GUNZ	3.84	277.2	Pn	17:35:39.804	0.6					T__				m_e	ML 3.8
GUNZ	3.84	277.2	Sg	17:36:41.708	-0.4					T__				m_e	
WERD	3.86	278.5	Pn	17:35:40.017	0.5					T__				m_e	ML 3.8
NOTT	3.99	269.2	Sg	17:36:47.604	0.7					T__				m_e	ML 3.9
MOX	4.31	280.7	Pn	17:35:46.624	1.0					T__				m_e	ML 3.8
MOX	4.31	280.7	Sg	17:36:58.763	1.5					T__				m_e	
GRA1	4.58	268.4	Sg	17:37:07.006	1.3					T__				m_e	ML 4.1
UBBA	5.35	281.6	Sg	17:37:29.076	-1.0					T__				m_e	
BFO	6.73	259.2	Sg	17:38:16.150	2.0					T__				m_e	

Event 50113308 Hamm/Westfalen, Ruhr Coal Mining District

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigI
D																		
2005/01/13	20:11:07.00	0.98	0.41	51.7020	7.7440				1.0f		11	6	315	0.61	1.52	m i ki	BENS	5011332
8																		
2005/01/13	20:11:08.95			51.4660	7.8040				1.0f		5	3	169	0.33	2.08	m i ki	BGR	5011331
8																		
2005/01/13	20:11:06.40			51.6710	7.7310				1.0f				191	0.09	0.37	m i ki	BUG	5011330
8																		
	(#PRIME)																	

Magnitude	Err	Nsta	Author	OrigID
ML	1.8		BENS	50113328
ML	2.0	0.1	2 BGR	50113318
ML	2.0		BUG	50113308

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BAHL	0.09	40.4	Pg	20:11:09.300	1.3					T__				m__	ML 2.0
BAHL	0.09	40.4	Sg	20:11:11.300	2.1					T__				m__	
BUG	0.37	231.4	Pg	20:11:14.300	1.0					TA__				mdi	ML 2.0
BUG	0.37	231.4	Sg	20:11:20.100	2.0					TA__				m__	
LAU	0.59	237.2	Pg	20:11:18.640	1.2					---				m_e	
LAU	0.59	237.2	Sg	20:11:27.220	2.2					---		52.7	1.20	m_e	
HOB	0.73	200.0	Pg	20:11:21.380	1.2					---				m_e	
HOB	0.73	200.0	Sg	20:11:31.880	2.3					---		59.9	0.80	m_e	
BNS	0.79	206.3	Sg	20:11:34.780	3.4					---		75.1	0.40	m_e	
STB	1.21	207.8	Pg	20:11:29.970	0.7					---				m_e	
STB	1.21	207.8	Sg	20:11:45.940	1.0					---				m_e	
KLL	1.36	221.6	Pg	20:11:32.030	0.1					---				m_e	
KLL	1.36	221.6	Sg	20:11:49.810	0.3					---				m_e	
BGG	1.49	189.8	Pg	20:11:34.010	-0.4					---				m_e	
BGG	1.49	189.8	Sg	20:11:52.900	-0.7					---				m_e	
CLZ	1.64	83.0	Pn	20:11:36.191	0.6					---				m_e	ML 2.1
CLZ	1.64	83.0	Sg	20:12:03.055	4.4					---				m_e	
WLF	2.24	207.1	Sg	20:12:15.432	-2.2					---				m_e	

Event 50114004 Northwestern Balkan Peninsula

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigI
D																		
2005/01/14	07:58:13.68	0.63		46.2870	14.0250	11.1	4.4	178	10.0f		22	13	241	0.42	6.05	m i ke	BGR	5011400
4																		

Magnitude	Err	Nsta	Author	OrigID
ML	4.3	0.3	6 BGR	50114004

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
OBKA	0.42	58.2	Pg	07:58:21.006	-0.8					T__				m_e	
OBKA	0.42	58.2	Sg	07:58:28.963	1.5					T__				m_e	
KBA	0.92	329.7	Pg	07:58:30.732	-0.3					T__				m_e	
ARSA	1.41	46.3	Pg	07:58:38.975	-1.3					T__				m_e	
ARSA	1.41	46.3	Sg	07:58:58.341	-0.1					T__				m_e	

MOA	1.57	5.9	Pg	07:58:42.684	-0.7	T__	m_e		
MOA	1.57	5.9	Sg	07:59:04.972	1.3	T__	m_e		
WTTA	1.91	301.7	Pg	07:58:46.846	-2.8	T__	m_e		
WTTA	1.91	301.7	Sg	07:59:14.989	0.7	T__	m_e		
GEC2	2.57	355.2	Pn	07:58:55.693	1.3	T__	m_e ML	4.0	
FUR	2.65	316.1	Pg	07:59:03.589	0.0	T__	m_e ML	4.5	
FUR	2.65	316.1	Sg	07:59:39.481	1.7	T__	m_e		
WET	2.96	345.3	Pn	07:59:00.618	0.9	T__	m_e ML	3.9	
WET	2.96	345.3	Sn	07:59:34.250	1.4	T__	m_e		
GRA1	3.89	332.2	Pn	07:59:14.449	2.2	T__	m_e ML	4.6	
GRA1	3.89	332.2	Sn	07:59:56.254	1.6	T__	m_e		
BFO	4.37	300.0	Pn	07:59:19.366	0.6	T__	m_e ML	4.4	
BFO	4.37	300.0	Sn	08:00:08.563	2.6	T__	m_e		
MOX	4.64	340.8	Pn	07:59:23.472	1.0	T__	m_e ML	4.3	
MOX	4.64	340.8	Sn	08:00:13.690	1.3	T__	m_e		
CLL	5.07	352.7	Pn	07:59:29.802	1.6	T__	m_e		
CLZ	6.05	338.1	Pn	07:59:43.322	1.8	T__	m_e		

Event 50114005 Northwestern Balkan Peninsula

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigI
2005/01/14	08:05:20.12	0.60		46.2340	14.0540	7.8	4.4	172	10.0f		20	12	249	0.44	5.12	m i ke	BGR	5011400

Magnitude	Err	Nsta	Author	OrigID
ML	4.1	0.3	7 BGR	50114005

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
OBKA	0.44	51.0	Pg	08:05:28.290	-0.3					T__				m_e	
OBKA	0.44	51.0	Sg	08:05:35.604	1.3					T__				m_e	
KBA	0.97	330.3	Pg	08:05:37.983	-0.6					T__				m_e	
ARSA	1.43	44.2	Pg	08:05:45.760	-1.4					T__				m_e	
ARSA	1.43	44.2	Sg	08:06:04.930	-0.7					T__				m_e	
MOA	1.62	5.0	Pg	08:05:49.311	-1.4					T__				m_e	
MOA	1.62	5.0	Sg	08:06:12.647	0.9					T__				m_e	
WTTA	1.95	302.7	Pn	08:05:53.786	1.3					T__				m_e	
GEC2	2.62	354.9	Pn	08:06:02.324	0.8					T__				m_e ML	3.8
GEC2	2.62	354.9	Sg	08:06:43.267	-0.2					T__				m_e	
FUR	2.70	316.6	Pg	08:06:10.216	-0.8					T__				m_e ML	4.1
FUR	2.70	316.6	Sg	08:06:46.034	0.1					T__				m_e	
WET	3.02	345.2	Pn	08:06:07.486	0.6					T__				m_e ML	3.7
WET	3.02	345.2	Sn	08:06:42.989	2.4					T__				m_e	
GRA1	3.94	332.3	Pn	08:06:22.390	2.9					T__				m_e ML	4.2
BFO	4.41	300.4	Pn	08:06:26.380	0.6					T__				m_e ML	4.2
BFO	4.41	300.4	Sn	08:07:15.424	2.0					T__				m_e	
MOX	4.70	340.8	Pn	08:06:29.944	0.2					T__				m_e ML	4.0
MOX	4.70	340.8	Sn	08:07:23.904	3.8					T__				m_e	
CLL	5.12	352.6	Pn	08:06:37.267	1.8					T__				m_e ML	4.4

Event 50114007 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigI
2005/01/14	09:47:17.37	0.63		51.6850	16.0890	7.8	4.4	159	1.0f		18	10	309	1.57	3.67	m i ki	BGR	5011400

Magnitude	Err	Nsta	Author	OrigID
ML	3.5	0.3	8 BGR	50114007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	1.57	239.7	Pg	09:47:46.086	-0.9					T__				m_e ML	3.3
BRG	1.57	239.7	Sg	09:48:07.428	0.2					T__				m_e	
CLL	1.96	260.1	Pn	09:47:51.768	0.9					T__				m_e ML	3.1
CLL	1.96	260.1	Sg	09:48:20.275	0.7					T__				m_e	
TANN	2.61	242.3	Pn	09:48:01.670	2.0					T__				m_e ML	3.5
TANN	2.61	242.3	Sg	09:48:39.831	-0.4					T__				m_e	
WERD	2.68	244.0	Pn	09:48:01.665	1.0					T__				m_e ML	3.3
WERD	2.68	244.0	Sg	09:48:42.599	0.1					T__				m_e	
GUNZ	2.71	242.2	Pn	09:48:01.983	1.0					T__				m_e ML	3.7
GUNZ	2.71	242.2	Sg	09:48:43.527	0.1					T__				m_e	
MOX	2.99	251.4	Pn	09:48:04.965	0.1					T__				m_e ML	3.6
MOX	2.99	251.4	Sg	09:48:52.279	-0.1					T__				m_e	
NOTT	3.13	234.8	Pn	09:48:07.566	0.8					T__				m_e	
GEC2	3.22	209.2	Pn	09:48:09.245	1.2					T__				m_e ML	3.5
GEC2	3.22	209.2	Sg	09:48:59.961	0.2					T__				m_e	
WET	3.26	220.1	Pn	09:48:09.094	0.6					T__				m_e	
GRA1	3.67	239.0	Pn	09:48:15.597	1.5					T__				m_e ML	3.9
GRA1	3.67	239.0	Sg	09:49:14.785	0.8					T__				m_e	

Event 50115013 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigI
2005/01/15	19:29:46.55	0.73		51.5520	16.1870	14.5	5.6	173	1.0f		14	11	307	1.56	3.66	m i ki	BGR	5011501

Magnitude	Err	Nsta	Author	OrigID
ML	3.6	0.2	5 BGR	50115013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	1.56	245.1	Pn	19:30:14.700	0.0					T__				m_e ML	3.5
BRG	1.56	245.1	Sg	19:30:36.400	0.3					T__				m_e	
CLL	2.00	264.2	Pn	19:30:20.800	0.2					T__				m_e ML	3.3
TANN	2.61	245.6	Pn	19:30:30.333	1.5					T__				m_e ML	3.7
TANN	2.61	245.6	Sg	19:31:09.000	-0.3					T__				m_e	
WERD	2.68	247.2	Pn	19:30:30.803	1.0					T__				m_e	
GUNZ	2.70	245.4	Pn	19:30:31.395	1.3					T__				m_e ML	3.8
NEUB	2.78	264.3	Sg	19:31:15.400	0.6					T__				m_e	
MOX	3.01	254.2	Pn	19:30:35.463	1.2					T__				m_e ML	3.8
MOX	3.01	254.2	Sg	19:31:22.700	0.5					T__				m_e	
NOTT	3.11	237.5	Pn	19:30:36.726	1.1					T__				m_e	
GEC2	3.14	211.4	Pn	19:30:37.305	1.2					T__				m_e	
WET	3.20	222.5	Pn	19:30:37.906	1.0					T__				m_e	
GRA1	3.66	241.4	Pn	19:30:44.703	1.6					T__				m_e	

Event 924584 Lebach, N of Saarbruecken

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigI
2005/01/15	22:57:18.30	0.07	0.50	49.3716	6.9369	1.8	1.1	081	1.0f		19	8	116			m i s i	LDG	924594
2005/01/15	22:57:20.20	0.63	0.31	49.4430	6.9270				1.0f		7	4	323	0.81	1.56	m i k i	BENS	924584

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.4		LDG	924594
ML	1.4		BENS	924584

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WLF	0.55	294.1	Pg	22:57:29.371	-1.2					---					m_e
WLF	0.55	294.1	Sg	22:57:35.694	-2.0					---					m_e
BGG	0.81	18.9	Pg	22:57:35.590	0.2					T_					m_e
BGG	0.81	18.9	Sg	22:57:46.730	0.9					T_		18.8	0.20		m_e
STB	1.15	357.2	Pg	22:57:41.460	-0.5					T_					m_e
STB	1.15	357.2	Sg	22:57:57.450	0.6					T_		6.0	0.70		m_e
KLL	1.27	342.1	Pg	22:57:42.820	-1.3					T_					m_e
KLL	1.27	342.1	Sg	22:58:00.680	0.2					T_					m_e
HOB	1.56	9.4	Pg	22:57:48.090	-1.6					T_					m_e

Event 50118005 Hamm/Westfalen, Ruhr Coal Mining District

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigI
2005/01/18	06:32:57.10	0.35	1.10	51.6180	7.8010	4.4	3.3	158	1.0f		10	6	154	0.38	1.61	m i k i	BGR	5011801
2005/01/18	06:32:56.10			51.6790	7.7460				1.0f				192	0.07	0.38	m i k i	BUG	5011800

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.2	1	BGR	50118015
ML	2.1		BUG	50118005

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BAHL	0.07	39.0	Pg	06:32:59.200	1.7					T_					m ML 2.0
BAHL	0.07	39.0	Sg	06:33:01.200	2.7					T_					m
BUG	0.38	231.4	Pg	06:33:04.300	1.0					TA_					mde ML 2.1
BUG	0.38	231.4	Sg	06:33:10.200	2.0					TA_					m
IBBN	0.63	0.6	Sg	06:33:18.491	2.4					---	2.6				m_e
WTSB	0.65	296.5	Pg	06:33:10.578	2.2					---	2.6				m_e
WTSB	0.65	296.5	Sg	06:33:20.491	3.7					---	3.8				m_e
HGN	1.46	231.9	Pn	06:33:23.220	0.4					---	1.3				m_e
HGN	1.46	231.9	Sg	06:33:43.141	0.7					---	6.0				m_e
CLZ	1.63	83.3	Pn	06:33:26.042	0.8					---	5.0				m_e
CLZ	1.63	83.3	Pg	06:33:27.559	0.7					---	16.7				m_e
UBBA	1.65	120.5	Pg	06:33:27.458	0.2					---	2.6				m_e





2005/01/21 15:16:45.20				48.1000	8.1000				13.0						m i uk SED	5012102	
2																	
2005/01/21 15:16:45.10	0.22	2.32		48.1150	8.0880	2.2	1.1	146	10.0f		24	16	116	0.25	3.79	m i ke BGR	5012101
2																	
2005/01/21 15:16:45.40	0.10	0.12		48.1100	8.0800	1.0	1.0	318	10.0f		22	15	096	0.19	1.60	m i ke LED	5012100
2																	

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.7		LDG	50121032
ML	2.1		SED	50121022
ML	2.0	1	BGR	50121012
ML	2.2		LED	50121002

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
FBB	0.19	234.5	Pg	15:16:49.750	0.5					T__				mci	
FBB	0.19	234.5	Sg	15:16:52.480	0.5					__				m__	
KIZ	0.19	215.2	Pg	15:16:49.650	0.3					T__				mci ML	2.5
KIZ	0.19	215.2	Sg	15:16:52.750	0.7					__				m_i	
FELD	0.24	192.3	Pg	15:16:50.550	0.3					T__				mci	
FELD	0.24	192.3	Sg	15:16:53.957	0.4					__	8.4			m_e	
BFO	0.28	37.0	Pg	15:16:51.080	0.2					T__				mci ML	2.2
BFO	0.28	37.0	Sg	15:16:55.260	0.6					T__				m_i	
LIBD	0.32	277.4	Pg	15:16:52.240	0.6					T__				m__	
LIBD	0.32	277.4	Sg	15:16:55.894	-0.1					__	8.4			m_e	
SPAK	0.47	90.7	Pg	15:16:54.700	0.3					T__				mdi	
WLS	0.57	302.3	Pg	15:16:56.370	0.1					T__				mdi	
WLS	0.57	302.3	Sg	15:17:03.794	0.0					__	4.5			m_e	
ECH	0.62	280.1	Pg	15:16:57.010	-0.3					T__				m__	
ECH	0.62	280.1	Sg	15:17:04.915	-0.5					__	6.6			m_e	
MOF	0.68	248.2	Pg	15:16:58.040	-0.4					T__				m__	
MOF	0.68	248.2	Sg	15:17:07.288	-0.0					__	4.6			m_e	
GUT	0.69	92.9	Pg	15:16:58.580	0.0					T__				m__ ML	2.5
GUT	0.69	92.9	Sg	15:17:07.940	0.4					T__				m__	
SISB	0.73	125.2	Pg	15:16:59.280	0.0					T__				m__ ML	2.1
SISB	0.73	125.2	Sg	15:17:09.090	0.4					T__				m__	
LBG	0.73	40.3	Pg	15:16:58.990	-0.3					T__				mci ML	2.0
LBG	0.73	40.3	Sg	15:17:08.610	-0.1					T__				m__	
BBS	0.75	210.9	Pg	15:16:59.360	-0.3					__				mce	
BBS	0.75	210.9	Sg	15:17:09.524	0.1					__	3.6			m_e	
TUBL	0.78	57.9	Pg	15:17:00.310	0.0					T__				m__ ML	2.3
TUBL	0.78	57.9	Sg	15:17:10.700	0.2					T__				m__	
LANF	0.89	348.3	Sg	15:17:13.297	-0.5					__	3.5			m_e	
BUCH	0.91	67.7	Pg	15:17:02.260	-0.4					T__				m__ ML	2.2
BUCH	0.91	67.7	Sg	15:17:14.780	0.2					T__				m__	
STU	0.99	47.8	Sg	15:17:16.612	-0.4					__	1.2			m_e ML	2.0
LOMF	1.13	228.4	Pn	15:17:06.168	-0.5					__	5.3			m_e	
LOMF	1.13	228.4	Pg	15:17:06.740	-0.1					T__				m__	
LOMF	1.13	228.4	Sg	15:17:21.390	-0.1					__				m__	
KTD	1.21	0.1	Pn	15:17:07.899	0.2					__	0.8			m_e	
THEF	1.40	275.6	Sg	15:17:29.126	-0.7					__	2.2			m_e	
UBR	1.43	106.8	Sg	15:17:30.430	-0.4					__				m__ ML	2.1
HDH	1.49	70.7	Sg	15:17:32.050	-0.8					__				m__ ML	2.5
SIND	1.60	38.5	Pg	15:17:14.990	-0.5					__				m__ ML	2.0
WET	3.34	70.2	Sg	15:18:30.516	-0.9					__	2.7			m_e	
MOX	3.42	40.9	Sg	15:18:33.139	-1.0					__	1.3			m_e	

GUNZ	3.57	49.3	Sg	15:18:37.936	-1.1	---	2.0	m_e
GEC2	3.80	76.7	Sg	15:18:45.412	-0.7	---	2.7	m_e

Event 50125002 SE of Besancon/F

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigI
2005/01/25	04:14:11.77	0.95	2.00	47.2160	6.1510	7.8	4.4	033	5.0f		15	11	278	0.48	1.84	m i ke	BGR	5012501
2005/01/25	04:14:09.70	0.07	0.26	47.1430	6.1014	1.7	1.0	126	3.0f		18	8	114			m i ke	LDG	5012500

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	1	BGR	50125012
ML	2.4		LDG	50125002

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
LOMF	0.53	66.9	Sg	04:14:26.666	-0.0					---	4.4			m_e	
BOURR	0.81	71.4	Pg	04:14:25.459	0.5					---	2.7			m_e	
BOURR	0.81	71.4	Sg	04:14:36.759	1.4					---	2.5			m_e	
MOF	0.99	44.1	Sg	04:14:41.194	-0.1					---	8.4			m_e	
BBS	1.01	70.9	Pg	04:14:29.433	0.7					---	1.0			m_e	
BBS	1.01	70.9	Sg	04:14:42.481	0.8					---	1.9			m_e	
THEF	1.09	356.2	Pg	04:14:30.313	0.1					---	2.9			m_e	
THEF	1.09	356.2	Sg	04:14:44.749	0.5					---	5.6			m_e	
ECH	1.29	33.2	Sg	04:14:50.145	-0.5					---	3.2			m_e	
SULZ	1.42	73.5	Sg	04:14:55.761	1.0					---	1.6			m_e	
FELD	1.48	59.6	Sg	04:14:56.938	0.2					---	2.8			m_e	
WLS	1.52	33.1	Sg	04:14:57.640	-0.5					---	2.5			m_e	
SLE	1.73	68.0	Pn	04:14:41.901	2.0					---	1.9			m_e	
SLE	1.73	68.0	Sg	04:15:04.448	-0.3					---	3.4			m_e	
BFO	1.91	50.8	Sg	04:15:10.318	-0.1					---	2.1			m_e	ML 1.9

Event 50125001 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigI
2005/01/25	04:46:49.80	0.61		51.4790	16.1620	7.8	5.6	157	1.0f		20	10	305	1.52	3.61	m i ki	BGR	5012500

Magnitude	Err	Nsta	Author	OrigID
ML	3.0	0.2	10 BGR	50125001

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	1.52	247.3	Pg	04:47:17.588	-0.8					T_				m_e	ML 2.8
BRG	1.52	247.3	Sg	04:47:38.609	0.6					T_				m_e	
CLL	1.98	266.3	Pn	04:47:23.422	-0.2					T_				m_e	ML 2.7
CLL	1.98	266.3	Sg	04:47:53.231	0.6					T_				m_e	
TANN	2.56	246.9	Pn	04:47:33.050	1.6					T_				m_e	ML 2.9
TANN	2.56	246.9	Sg	04:48:10.279	-0.9					T_				m_e	
WERD	2.64	248.5	Pn	04:47:33.160	0.6					T_				m_e	ML 2.9

WERD	2.64	248.5	Sg	04:48:13.225	-0.4	T__	m_e																
GUNZ	2.66	246.7	Pn	04:47:34.199	1.4	T__	m_e	ML	3.1														
GUNZ	2.66	246.7	Sg	04:48:15.011	0.7	T__	m_e																
MOX	2.98	255.5	Pn	04:47:38.241	1.1	T__	m_e	ML	3.1														
MOX	2.98	255.5	Sg	04:48:25.787	1.4	T__	m_e																
NOTT	3.06	238.5	Pn	04:47:38.904	0.7	T__	m_e	ML	2.8														
NOTT	3.06	238.5	Sg	04:48:25.848	-1.1	T__	m_e																
GEC2	3.07	211.8	Pn	04:47:40.141	1.8	T__	m_e	ML	3.0														
GEC2	3.07	211.8	Sg	04:48:27.782	0.5	T__	m_e																
WET	3.14	223.2	Pn	04:47:40.082	0.8	T__	m_e	ML	2.9														
WET	3.14	223.2	Sg	04:48:29.648	0.2	T__	m_e																
GRA1	3.61	242.3	Pn	04:47:46.836	1.2	T__	m_e	ML	3.3														
GRA1	3.61	242.3	Sg	04:48:45.276	0.8	T__	m_e																

Event 50125003 Saarbruecken-West

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigI	
D																			
2005/01/25	06:59:29.00	0.06	0.47	49.3853	6.8906	1.3	1.0	093	1.0f		46	17	044			m i si	LDG	5012502	
3																			
2005/01/25	06:59:30.80	1.59	0.70	49.4660	6.8970				1.0f		10	6	322	0.79	1.54	m i ki	BENS	5012501	
3																			
2005/01/25	06:59:28.83	0.27	3.07	49.3890	6.9010	2.2	2.2	111	1.0f		28	19	092	0.33	4.48	m i ki	BGR	5012500	
3																			
(#PRIME)																			

Magnitude	Err	Nsta	Author	OrigID
ML	3.1		LDG	50125023
ML	2.2		BENS	50125013
ML	2.2	0.1	2 BGR	50125003

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
RUP	0.33	18.1	Pg	06:59:35.481	0.4					T__	17.2			m_e	
WLF	0.56	299.8	Pg	06:59:40.025	0.7					T__	6.4			m_e	ML 2.1
WLF	0.56	299.8	Sg	06:59:46.445	-0.1					T__	4.7			m_e	
ABH	0.65	40.1	Pg	06:59:41.054	0.0					T__	11.1			m_e	
LANF	0.72	124.3	Pg	06:59:42.149	-0.2					T__	10.0			m_e	
KTD	0.77	94.7	Pg	06:59:43.320	-0.1					T__	12.3			m_e	
BGG	0.86	18.8	Pg	06:59:44.960	-0.2					---				m_e	
BGG	0.86	18.8	Sg	06:59:56.950	0.7					---		125.4	0.60	m_e	
HIL	0.91	351.1	Pg	06:59:47.340	1.3					---				m_e	
HIL	0.91	351.1	Sg	06:59:58.450	0.6					---				m_e	
WLS	1.02	162.9	Pg	06:59:48.036	-0.0					T__	14.0			m_e	
WLS	1.02	162.9	Sg	07:00:01.753	0.5					T__	1.4			m_e	
ECH	1.19	171.7	Sg	07:00:06.234	-0.2					T__	5.3			m_e	
STB	1.21	358.1	Pg	06:59:52.360	0.8					---				m_e	
STB	1.21	358.1	Sg	07:00:07.210	0.1					---		44.8	1.30	m_e	
TOD	1.25	79.3	Pg	06:59:51.651	-0.8					T__	15.8			m_e	
TOD	1.25	79.3	Sg	07:00:09.663	1.0					T__	3.9			m_e	
THEF	1.31	207.6	Pg	06:59:52.874	-0.6					T__	12.0			m_e	
KLL	1.31	343.5	Pg	06:59:53.640	0.1					---				m_e	
KLL	1.31	343.5	Sg	07:00:09.450	-1.1					---		33.1	0.90	m_e	
LIBD	1.32	159.3	Pg	06:59:54.116	0.4					T__	5.2			m_e	
LIBD	1.32	159.3	Sg	07:00:11.193	0.4					T__	2.0			m_e	

BFO	1.42	137.9	Pg	06:59:55.798	0.3	T__	8.1	m_e	ML	2.3
BFO	1.42	137.9	Sg	07:00:14.128	0.3	T__	6.4	m_e		
BNS	1.58	6.3	Sg	07:00:17.460	-1.7	---		m_e		
HOB	1.62	9.7	Sg	07:00:19.600	-0.6	---		m_e		
FELD	1.68	153.9	Pg	07:00:00.158	-0.3	T__	3.0	m_e		
FELD	1.68	153.9	Sg	07:00:21.624	-0.5	T__	7.0	m_e		
LOMF	2.04	181.4	Sg	07:00:33.563	-0.0	T__	2.5	m_e		
MOX	3.28	65.7	Pg	07:00:29.360	-1.3	T__	2.4	m_e		
MOX	3.28	65.7	Sg	07:01:13.559	0.6	T__	1.3	m_e		
GUNZ	3.63	72.4	Sg	07:01:24.656	0.4	T__	2.0	m_e		
WERD	3.64	71.0	Pg	07:00:36.940	-0.4	T__	2.6	m_e		
WERD	3.64	71.0	Sg	07:01:24.634	0.3	T__	3.1	m_e		
TANN	3.72	71.9	Pg	07:00:39.315	0.3	T__	2.9	m_e		
TANN	3.72	71.9	Sg	07:01:27.220	0.1	T__	1.7	m_e		
WET	3.91	91.3	Pn	07:00:29.660	0.9	T__	4.3	m_e		
GEC2	4.48	94.4	Pn	07:00:37.753	1.2	T__	15.8	m_e		
BRG	4.75	69.1	Sg	07:02:00.000	0.3	---		m_e		

Event 50125004 Hamm/Westfalen, Ruhr Coal Mining District

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigI
2005/01/25	18:45:14.70	0.24	0.44	51.7210	7.8613	3.9	3.7	132	1.0f		16	9	298			m i si	LDG	5012503
2005/01/25	18:45:14.90	1.15	0.51	51.7410	7.8750				1.0f		10	6	311	0.83	1.57	m i ki	BENS	5012502
2005/01/25	18:45:17.52	0.28	2.83	51.5830	7.7260	3.3	2.2	153	1.0f		20	11	118	0.32	3.28	m i ki	BGR	5012501
2005/01/25	18:45:16.00			51.6730	7.7440				1.0f				194	0.08	0.38	m i ki	BUG	5012500

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.6		LDG	50125034
ML	2.5		BENS	50125024
ML	2.2	0.1	3 BGR	50125014
ML	2.3		BUG	50125004

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BAHL	0.08	37.0	Pg	18:45:18.900	1.4					T__				m__	ML 2.2
BAHL	0.08	37.0	Sg	18:45:20.900	2.3					T__				m__	
BUG	0.38	232.0	Pg	18:45:24.000	0.9					TA__				mde	ML 2.3
BUG	0.38	232.0	Sg	18:45:29.900	2.0					TA__				m__	
IBBN	0.63	0.7	Pg	18:45:30.851	2.9					---	2.4			m_e	
IBBN	0.63	0.7	Sg	18:45:40.306	4.2					---	2.5			m_e	
HOB	0.74	200.6	Pg	18:45:30.490	0.6					---				m_e	
HOB	0.74	200.6	Sg	18:45:42.120	2.7					---		134.0	0.70	m_e	
BNS	0.79	206.8	Pg	18:45:32.410	1.5					---				m_e	
BNS	0.79	206.8	Sg	18:45:44.860	3.7					---		129.1	0.30	m_e	
ROD	1.11	242.2	Sg	18:45:53.620	2.4					---		386.5	0.50	m_e	
STB	1.22	208.1	Pg	18:45:38.570	-0.4					---				m_e	
STB	1.22	208.1	Sg	18:45:55.540	0.8					---				m_e	
KLL	1.36	221.8	Pg	18:45:41.300	-0.4					---				m_e	
KLL	1.36	221.8	Sg	18:45:59.510	0.2					---				m_e	

BGG	1.49	190.1	Sg	18:46:01.560	-1.7	---	31.5	0.80	m_e		
TNS	1.52	162.7	Pg	18:45:44.827	0.2	---	4.5		m_e ML	2.3	
TNS	1.52	162.7	Sg	18:46:03.241	-0.9	---	4.0		m_e		
CLZ	1.64	83.1	Pn	18:45:45.879	0.8	---	11.7		m_e ML	2.1	
CLZ	1.64	83.1	Sg	18:46:10.190	2.2	---	2.3		m_e		
NRDL	1.67	59.6	Pg	18:45:50.073	2.6	---	1.8		m_e		
WLF	2.25	207.3	Pg	18:45:57.921	-0.4	---	4.3		m_e		
WLF	2.25	207.3	Sg	18:46:24.707	-2.7	---	3.6		m_e		
MOX	2.64	111.4	Pn	18:46:00.008	1.3	---	2.0		m_e		
MOX	2.64	111.4	Pg	18:46:07.400	1.7	---			m_e		
MOX	2.64	111.4	Sg	18:46:40.494	0.7	---	2.7		m_e		
WERD	3.12	111.4	Pn	18:46:06.887	1.7	---	2.4		m_e		
WERD	3.12	111.4	Pg	18:46:15.858	1.1	---	2.2		m_e		
GUNZ	3.17	112.6	Pn	18:46:07.849	1.9	---	2.1		m_e		
GUNZ	3.17	112.6	Sg	18:46:57.644	1.0	---	1.6		m_e		
TANN	3.22	111.1	Pn	18:46:09.168	2.5	---	1.5		m_e		
TANN	3.22	111.1	Sg	18:46:59.493	1.2	---	2.2		m_e		
BFO	3.36	173.4	Pn	18:46:09.149	0.6	---	1.7		m_e		

Event 50127002 Hamm/Westfalen, Ruhr Coal Mining District

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigI
2005/01/27	05:19:46.50	0.20	0.37	51.6791	7.6235	3.1	2.7	034	1.0f		20	7	297			m i si	LDG	5012703
2005/01/27	05:19:46.80	1.71	0.61	51.6730	7.6120				1.0f		14	7	307	0.71	1.50	m i ki	BENS	5012702
2005/01/27	05:19:46.25	0.34	2.69	51.6310	7.6930	5.6	3.3	166	1.0f		20	12	129	0.33	3.33	m i ki	BGR	5012701
2005/01/27	05:19:44.80			51.6510	7.6780				1.0f				184	0.12	0.33	m i ki	BUG	5012700

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.8		LDG	50127032
ML	2.6		BENS	50127022
ML	2.5	0.1	3 BGR	50127012
ML	2.3		BUG	50127002

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BAHL	0.12	46.0	Pg	05:19:48.600	1.5					T_				m__ ML	2.2
BAHL	0.12	46.0	Sg	05:19:51.500	2.8					T_				m__	
BUG	0.33	230.5	Pg	05:19:52.000	1.0					TA_				mdi ML	2.3
BUG	0.33	230.5	Sg	05:19:57.300	2.0					TA_				m__	
IBBN	0.66	4.2	Pg	05:19:58.963	1.8					---				m_e	
IBBN	0.66	4.2	Sg	05:20:08.732	3.0					---		198.9	0.91	m_e	
HOB	0.70	198.0	Pg	05:20:00.720	2.7					---				m_e	
HOB	0.70	198.0	Sg	05:20:09.920	2.8					---		262.5	0.50	m_e	
BNS	0.76	204.7	Pg	05:20:02.100	3.1					---				m_i	
BNS	0.76	204.7	Sg	05:20:12.560	3.8					---		197.3	0.90	m_e	
ROD	1.06	242.1	Pg	05:20:05.850	1.0					---				m_e	
ROD	1.06	242.1	Sg	05:20:20.400	1.9					---		396.3	0.60	m_e	
JUE	1.09	227.5	Pg	05:20:07.140	1.9					---				m_e	
JUE	1.09	227.5	Sg	05:20:22.390	3.1					---		607.5	0.60	m_e	

STB	1.18	206.8	Pg	05:20:08.100	1.0													m_e	
STB	1.18	206.8	Sg	05:20:24.310	2.0													m_e	
KLL	1.32	221.0	Pg	05:20:09.840	0.2													mce	
KLL	1.32	221.0	Sg	05:20:28.000	1.3													m_e	
BGG	1.46	188.6	Sg	05:20:31.090	-0.1													m_e	
HIL	1.50	205.2	Sg	05:20:30.740	-1.6													m_e	
TNS	1.51	161.0	Pg	05:20:13.288	0.1													m_e	
TNS	1.51	161.0	Sg	05:20:30.407	-2.3													m_e	
CLZ	1.68	82.4	Pg	05:20:16.792	0.3													m_e ML	2.5
CLZ	1.68	82.4	Sg	05:20:40.328	2.2						3.0							m_e	
NRDL	1.71	59.6	Pg	05:20:18.314	1.2													m_e	
WLF	2.21	206.6	Pn	05:20:22.690	1.0													m_e ML	2.6
WLF	2.21	206.6	Sg	05:20:51.660	-3.3													m_e	
MOX	2.67	110.6	Pn	05:20:29.522	1.6													m_e	
MOX	2.67	110.6	Pg	05:20:36.447	1.4													m_e	
MOX	2.67	110.6	Sg	05:21:10.065	0.5													m_e	
WERD	3.15	110.7	Pn	05:20:36.161	1.7													m_e	
GUNZ	3.20	111.9	Pn	05:20:36.879	1.8													m_e	
GUNZ	3.20	111.9	Sg	05:21:27.557	1.1													m_e	
TANN	3.25	110.5	Pn	05:20:38.376	2.5													m_e	
TANN	3.25	110.5	Pg	05:20:47.453	1.4													m_e	
TANN	3.25	110.5	Sg	05:21:29.539	1.4													m_e	
CLL	3.33	93.8	Pn	05:20:37.733	0.8													m_e	
CLL	3.33	93.8	Pg	05:20:48.446	0.8													m_e	
CLL	3.33	93.8	Sg	05:21:34.000	3.3													m_e	
BFO	3.35	172.6	Pn	05:20:38.423	1.3													m_e	
BFO	3.35	172.6	(Sn)	05:21:16.401	1.6													m_e	
BRG	4.00	98.8	Pg	05:21:01.300	1.2													m_e	
BRG	4.00	98.8	Sg	05:21:56.000	4.3													m_e	

Event 50127004 Saarbruecken-West

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigI	
D																			
2005/01/27	22:46:54.00	0.07	0.52	49.3892	6.9110	1.4	1.2	111	1.0f		20	11	078			m i si	LDG	5012701	
4																			
2005/01/27	22:46:54.28	0.38	1.78	49.3660	6.8560	6.7	4.4	035	1.0f		9	5	167	0.55	4.51	m i ki	BGR	5012700	
4																			

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.7		LDG	50127014
ML	2.0	0.1	2 BGR	50127004

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WLF	0.55	303.4	Pg	22:47:05.310	0.7					T__	4.8			m_e	
WLF	0.55	303.4	Sg	22:47:11.018	-0.6					T__	4.2			m_e	
TNS	1.34	49.6	Pg	22:47:19.019	-0.5					T__	5.1			m_e ML	2.1
TNS	1.34	49.6	Sg	22:47:36.620	-0.2					T__	3.1			m_e	
BFO	1.42	136.3	Pn	22:47:20.193	-0.3					T__	1.0			m_e ML	2.0
BFO	1.42	136.3	Pg	22:47:20.839	-0.2					T__	22.4			m_e	
BFO	1.42	136.3	Sg	22:47:38.910	-0.5					T__	5.6			m_e	
WET	3.94	90.9	Pn	22:47:55.319	0.7					T__	1.7			m_e	
GEC2	4.51	94.0	Pn	22:48:03.184	0.8					T__	7.3			m_e	

Event 50129019 Poland																		
Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigI
2005/01/29	17:17:00.21	1.00		49.4250	19.6710	23.3	10.0	023	1.0f		11	9	327	3.94	5.48	m i ki	BGR	50129019

Magnitude	Err	Nsta	Author	OrigID
ML	3.7	0.2	9 BGR	50129019

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	3.94	293.7	Pg	17:18:11.146	-3.4					T__				m_e ML	3.6
BRG	3.94	293.7	Sg	17:19:04.386	-1.1					T__				m_e	
GEC2	3.95	263.8	Pn	17:18:01.321	0.6					T__				m_e ML	3.6
WET	4.44	269.0	Pn	17:18:08.276	0.9					T__				m_e ML	3.8
CLL	4.65	296.4	Sg	17:19:27.681	-0.2					T__				m_e ML	3.8
TANN	4.74	284.8	Pn	17:18:13.375	1.9					T__				m_e ML	3.8
TANN	4.74	284.8	Sg	17:19:32.344	1.4					T__				m_e	
GUNZ	4.82	284.0	Sg	17:19:34.255	1.0					T__				m_e ML	3.8
NOTT	4.90	277.4	Sg	17:19:36.132	0.1					T__				m_e ML	3.6
MOX	5.31	286.3	Sg	17:19:51.220	2.2					T__				m_e ML	3.7
GRA1	5.48	276.0	Sg	17:19:53.921	-0.5					T__				m_e ML	4.0

Event 50131001 Simmern/Hunsrueck																		
Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigI
2005/01/31	01:27:00.60	0.07	0.34	49.9498	7.3956	1.5	0.9	074	9.8	0.5	42	11	112			m i ke	LDG	50131021
2005/01/31	01:27:02.50	0.63	0.31	50.0410	7.3910				11.2	6.9	10	5	301	0.17	0.94	m i ke	BENS	50131011
2005/01/31	01:27:00.62	0.36	1.25	49.9340	7.5300	4.4	2.2	159	10.0f		12	9	166	0.38	3.56	m i ke	BGR	50131001

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.4		LDG	50131021
ML	1.4		BENS	50131011
ML	1.8	0.1	3 BGR	50131001

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BGG	0.30	335.5	Pg	01:27:06.070	-0.4					---				mdi	
BGG	0.30	335.5	Sg	01:27:09.140	-1.4					---		76.6	0.30	m_i	
RUP	0.38	232.8	Pg	01:27:08.089	0.1					T__				m_e	
RUP	0.38	232.8	Sg	01:27:12.936	-0.2					T__				m_e	
HIL	0.65	303.7	Pg	01:27:13.080	0.1					---				m_e	
HIL	0.65	303.7	Sg	01:27:21.570	0.0					---				m_e	
TNS	0.66	63.5	Pg	01:27:13.040	-0.0					T__				m_e ML	1.7
TNS	0.66	63.5	Sg	01:27:22.037	0.4					T__				m_e	
STB	0.79	326.5	Pg	01:27:14.870	-0.8					---				m_e	
STB	0.79	326.5	Sg	01:27:24.140	-1.9					---		18.3	0.50	m_e	

TOD	0.89	111.3	Sg	01:27:28.527	-0.4
WLF	0.93	253.7	Pg	01:27:17.899	-0.3
WLF	0.93	253.7	Sg	01:27:30.373	0.1
LANF	0.97	169.3	Pg	01:27:19.956	1.0
BNS	1.05	347.8	Sg	01:27:31.920	-2.3
KLL	1.06	313.0	Pg	01:27:19.570	-1.0
HOB	1.06	353.3	Pg	01:27:19.410	-1.2
HOB	1.06	353.3	Sg	01:27:32.550	-1.8
BFO	1.69	161.6	Sg	01:27:53.987	-0.3
UBBA	1.81	59.7	Sg	01:27:58.002	-0.1
TANN	3.19	79.5	Sg	01:28:42.342	0.2
WET	3.56	100.8	Sg	01:28:53.978	0.3

T__						m_e									
T__						m_e	ML								1.8
T__						m_e									
T__						m_e									
---						m_e									
---						m_e									
---						m_e									
---						m_i		20.5	1.10						
T__						m_e	ML								1.9
T__						m_e									
T__						m_e									
T__						m_e									

DATA\_TYPE ARRIVAL: unassociated

Net	Sta	Chan	Aux	Date	Time	Phase	Azim	Slow	SNR	Amp	Per	Qual	Author	ArrID
	BRG			2005/01/03	18:49:35.400	Sg						m_e	BRG	
	BRG			2005/01/04	04:32:17.800	Sg						m_e	BRG	
	SCE			2005/01/04	09:42:58.000	Pg						mCi	SCE	
	SCE			2005/01/04	09:43:17.900	Sg						m_i	SCE	
	BRG			2005/01/04	23:18:33.500	Sg						m_e	BRG	
	BRG			2005/01/05	14:06:16.300	Sg						m_e	BRG	
	BRG			2005/01/05	21:57:11.600	Sg						m_e	BRG	
	BRG			2005/01/06	05:22:02.000	Sg						m_e	BRG	
	BRG			2005/01/07	21:31:01.000	Sg						m_e	BRG	
	BRG			2005/01/08	19:09:09.100	Sg						m_e	BRG	
	BRG			2005/01/09	19:40:19.100	Sg						m_e	BRG	
	BRG			2005/01/09	21:55:56.300	Sg						m_e	BRG	
	CLL			2005/01/12	20:29:47.400	Pg						m_i	CLL	
	CLL			2005/01/12	20:30:00.800	Sg						m_i	CLL	
	SCE			2005/01/13	09:33:27.000	Pg						m_e	SCE	
	SCE			2005/01/13	09:33:44.300	Sg						m_e	SCE	
	BRG			2005/01/15	04:44:13.200	Sg						m_e	BRG	
	BRG			2005/01/15	05:01:31.700	Sg						m_e	BRG	
	BRG			2005/01/15	22:19:32.900	Sg						m_e	BRG	
	BRG			2005/01/16	01:44:19.700	Sg						m_e	BRG	
	BRG			2005/01/16	02:31:36.700	Sg						m_e	BRG	
	BRG			2005/01/17	05:57:07.700	Sg						m_e	BRG	
	BRG			2005/01/19	11:22:44.000	Sg						m_e	BRG	
	BRG			2005/01/20	11:14:20.400	Sg						m_e	BRG	
	BRG			2005/01/22	00:18:05.300	Sg						m_e	BRG	
	BRG			2005/01/22	20:37:38.500	Sg						m_e	BRG	
	BRG			2005/01/22	23:51:21.600	Sg						m_e	BRG	
	BRG			2005/01/23	08:48:26.800	Sg						m_e	BRG	
	BRG			2005/01/23	20:09:17.500	Sg						m_e	BRG	
	MOX			2005/01/23	20:59:12.000	(Sg)						m_e	MOX	
	BRG			2005/01/23	22:30:48.100	Sg						m_e	BRG	
	WLF			2005/01/25	02:33:13.636	Pg						m_e	BGR	
	WLF			2005/01/25	02:33:20.542	Sg						m_e	BGR	
	BFO			2005/01/25	02:33:29.340	Pg						m_e	BGR	
	BFO			2005/01/25	02:33:47.397	Sg						m_e	BGR	
	BRG			2005/01/25	11:32:44.500	Sg						m_e	BRG	
	BRG			2005/01/26	17:03:53.200	Sg						m_e	BRG	
	CLL			2005/01/26	20:34:12.100	Pg						m_i	CLL	



CLL	2005/01/26	20:34:25.900	Sg	m_i	CLL
CLL	2005/01/28	10:17:52.000	Sg	m_e	CLL
TNS	2005/01/28	10:46:40.896	Pg	m_e	BGR
BFO	2005/01/28	10:46:42.872	Pg	m_e	BGR
TNS	2005/01/28	10:46:58.763	Sg	m_e	BGR
BFO	2005/01/28	10:47:00.580	Sg	m_e	BGR
TNS	2005/01/28	14:08:59.394	Pg	m_e	BGR
BFO	2005/01/28	14:09:01.025	Pg	m_e	BGR
BFO	2005/01/28	14:09:19.326	Sg	m_e	BGR
BRG	2005/01/28	21:00:15.800	Sg	m_e	BRG
BRG	2005/01/31	00:50:15.400	Sg	m_e	BRG