

LOH	1.28	180.9	Pg	21:05:12.099	1.3	---	m_e
LOH	1.28	180.9	Sg	21:05:29.563	2.2	---	78.9 0.20 m_e
WLF	1.82	188.5	Pg	21:05:21.845	1.0	---	m_e
GTTG	2.12	86.5	Sg	21:05:53.872	0.0	---	m_e ML 3.0
CLZ	2.39	79.4	Pg	21:05:31.772	0.1	---	m_e ML 2.8

Event 91204005 Hamm/Westfalen, Ruhr Coal Mining District

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/12/04	18:51:42.30	0.12	0.24	51.7398	7.7860	2.4	1.5	154	1.0f		17	5	210			m i sr	LDG	91204045
2009/12/04	18:51:43.80	0.75	0.41	51.6920	7.6730				1.0f			5	305	0.57	1.37	m i ki	BNS	91204035
2009/12/04	18:51:43.60	0.39	0.11	51.6380	7.7200				1.0f			6	278			m i ki	GDNRW	91204025
2009/12/04	18:51:43.43	0.48	0.55	51.5950	7.8740	7.8	4.4	118	1.0f		6	4	126	0.41	1.57	m i ki	BGR	91204015
2009/12/04	18:51:43.00			51.6240	7.7870				1.0f							m i ki	BUG	91204005

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MD	3.2	0.4	2 LDG	91204045
ML	2.5	0.2	4 LDG	91204045
ML	2.1		BNS	91204035
ML	2.0		GDNRW	91204025
ML	2.2	0.1	4 BGR	91204015
ML	2.0		BUG	91204005

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
SORT	0.30	157.2	Pg	18:51:50.396	1.8					---					m_e
SORT	0.30	157.2	Sg	18:51:55.340	2.9					---		64.2	0.18		m_e
BUG	0.37	240.5	Pg	18:51:50.900	0.9					TA_					m_e ML 2.0
BUG	0.37	240.5	Sg	18:51:56.700	1.9					TA_					m_e
ENTS	0.45	211.7	Pg	18:51:52.764	1.3					---					m_e
ENTS	0.45	211.7	Sg	18:51:58.827	1.6					---					m_e
LAUG	0.59	242.9	Pg	18:51:54.450	0.3					---					m_e
IBBN	0.68	358.6	Sg	18:52:08.029	3.3					---					m_e ML 2.3
HOBG	0.70	204.0	Pg	18:51:57.650	1.4					---					m_e
JCK	1.03	235.7	Pg	18:52:03.012	0.6					---					m_e
JCK	1.03	235.7	Sg	18:52:16.512	0.7					---		73.8	0.27		m_e
AHRW	1.17	202.7	Pg	18:52:06.634	1.6					---					m_e ML 2.2
AHRW	1.17	202.7	Sg	18:52:22.378	2.2					---					m_e
TDN	1.17	207.1	Pg	18:52:06.153	1.0					---					m_e
TDN	1.17	207.1	Sg	18:52:21.863	1.5					---		75.7	0.15		m_e
STB	1.19	210.4	Pg	18:52:06.770	1.4					---					m_e
STB	1.19	210.4	Sg	18:52:23.220	2.4					---		41.9	0.85		m_e
KOE	1.20	181.7	Pg	18:52:06.760	1.2					---					m_e
GSH	1.25	225.4	Pg	18:52:07.270	0.7					---					m_e
GSH	1.25	225.4	Sg	18:52:23.933	1.2					---		27.0	0.18		m_e
DREG	1.37	226.0	Pg	18:52:09.070	0.3					---					m_e
OLFT	1.42	217.8	Sg	18:52:28.139	0.0					---					m_e
CLZ	1.62	81.2	Pg	18:52:12.440	-1.0					---					m_e ML 2.2

Event 91205006 Hamm/Westfalen, Ruhr Coal Mining District

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	
2009/12/05	23:46:15.40	0.10	0.16	51.6298	7.7832	1.7	1.5	056	1.0f		16	7	118			m i sr	LDG	91205036	
2009/12/05	23:46:14.30	0.44	0.11	51.6750	7.7700				1.0f							m i ki	GDNRW	91205026	
2009/12/05	23:46:15.32	0.39	0.32	51.6170	7.7940	5.6	3.3	136	1.0f		7	4	122	0.37	1.61	m i ki	BGR	91205016	
2009/12/05	23:46:14.40			51.6260	7.7900				1.0f					330	0.37	0.57	m i ki	BUG	91205006

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.4	0.5	6 LDG	91205036
ML	1.6		GDNRW	91205026
ML	2.3	0.1	4 BGR	91205016
ML	2.3		BUG	91205006

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
SORT	0.30	157.7	Pg	23:46:21.819	1.8					---					m_e
SORT	0.30	157.7	Sg	23:46:26.643	2.8					---		58.9	0.21	m_e	
BUG	0.37	240.4	Pg	23:46:22.400	1.0					TA_				mde	ML 2.3
BUG	0.37	240.4	Sg	23:46:28.200	1.9					TA_				m_	
ENTS	0.45	211.7	Pg	23:46:24.083	1.2					---				m_e	
ENTS	0.45	211.7	Sg	23:46:30.919	2.2					---				m_e	
ZERL	0.57	269.8	Pg	23:46:26.100	0.9					T_				m_	ML 1.9
ZERL	0.57	269.8	Sg	23:46:34.400	1.8					T_				m_	
IBBN	0.68	358.4	Sg	23:46:38.803	2.8					---				m_e	ML 2.2
AHRW	1.17	202.7	Pg	23:46:37.545	1.0					---				m_e	ML 2.3
AHRW	1.17	202.7	Sg	23:46:54.201	2.5					---				m_e	
CLZ	1.61	81.3	Pg	23:46:45.154	0.3					---				m_e	ML 2.2
CLZ	1.61	81.3	Sg	23:47:08.500	2.8					---				m_e	

Event 91206004 Hamm/Westfalen, Ruhr Coal Mining District

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID		
2009/12/06	12:39:35.40	0.41	0.21	51.6760	7.3590				1.0f					5	323	0.42	1.45	m i ki	BNS	91206034
2009/12/06	12:39:33.90	0.53	0.21	51.6430	7.7820				1.0f					4	283			m i ki	GDNRW	91206024
2009/12/06	12:39:33.75	0.47	0.16	51.6130	7.7900	7.8	4.4	118	1.0f		6	4	122	0.37	1.62	m i ki	BGR	91206014		
2009/12/06	12:39:33.00			51.6230	7.7950				1.0f									m i ki	BUG	91206004

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	1.8		BNS	91206034
ML	1.7		GDNRW	91206024
ML	2.0	0.0	3 BGR	91206014
ML	1.8		BUG	91206004

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
SORT	0.29	158.0	Pg	12:39:40.496	1.9					---					m_e
SORT	0.29	158.0	Sg	12:39:45.311	3.0					---		43.5	0.18	m_e	
BUG	0.37	241.1	Pg	12:39:41.000	0.9					TA_				m_e	ML 1.8
BUG	0.37	241.1	Sg	12:39:46.800	1.9					TA_				m_	
LAUG	0.60	243.2	Pg	12:39:43.440	-0.8					---				m_e	
IBBN	0.68	358.1	Sg	12:39:57.280	2.6					---				m_e	ML 2.0
HOBG	0.70	204.5	Pg	12:39:48.540	2.3					---				m_e	

WBS	0.88	201.6	Sg	12:40:03.434	2.6	---	19.4	0.17	m_e										
JCK	1.04	235.9	Sg	12:40:08.264	2.4	---	51.5	0.23	m_e										
AHRW	1.17	202.9	Pg	12:39:56.325	1.2	---			m_e	ML	2.0								
AHRW	1.17	202.9	Sg	12:40:12.241	2.0	---			m_e										
STB	1.19	210.6	Pg	12:39:56.800	1.4	---			m_e										
STB	1.19	210.6	Sg	12:40:12.000	1.2	---	19.7	0.36	m_e										
DREG	1.37	226.2	Pg	12:39:58.170	-0.7	---			m_e										
OLFT	1.42	218.0	Sg	12:40:18.970	0.8	---			m_e										
HILG	1.51	208.3	Pg	12:40:00.870	-0.5	---			m_e										
CLZ	1.61	81.2	Pg	12:40:04.091	0.7	---			m_e										

Event 91207002 Hamm/Westfalen, Ruhr Coal Mining District

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/12/07	04:08:06.70	0.55	0.21	51.7150	7.6280				1.0f			5	307	0.56	1.37	m i ki	BNS	91207022
2009/12/07	04:08:07.41	0.44	0.51	51.6080	7.8080	7.8	4.4	115	1.0f		7	4	123	0.37	1.61	m i ki	BGR	91207012
2009/12/07	04:08:06.30			51.6380	7.7740				1.0f				329	0.37	0.56	m i ki	BUG	91207002

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	1.8		BNS	91207022
ML	2.1	0.1	3 BGR	91207012
ML	1.9		BUG	91207002

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BUG	0.37	238.0	Pg	04:08:14.200	0.9					TA_				m_e	ML 1.9
BUG	0.37	238.0	Sg	04:08:20.000	1.9					TA_				m_	
ZERL	0.56	268.6	Pg	04:08:18.100	1.2					T_				m_	ML 1.7
ZERL	0.56	268.6	Sg	04:08:26.500	2.4					T_				m_	
LAUG	0.59	241.3	Pg	04:08:17.380	-0.1									m_e	
IBBN	0.67	359.2	Pg	04:08:22.054	3.2									m_e	ML 2.1
IBBN	0.67	359.2	Sg	04:08:30.605	3.1									m_e	
HOBG	0.71	203.0	Pg	04:08:20.990	1.3									m_e	
AHRW	1.18	202.1	Pg	04:08:30.100	1.5									m_e	ML 2.1
AHRW	1.18	202.1	Sg	04:08:46.016	2.2									m_e	
STB	1.20	209.7	Pg	04:08:29.720	0.9									m_e	
STB	1.20	209.7	Sg	04:08:46.130	1.8							29.2	0.45	m_e	
KOE	1.21	181.3	Pg	04:08:30.070	0.9									m_e	
DREG	1.37	225.4	Pg	04:08:31.840	-0.3									m_e	
CLZ	1.62	81.8	Pg	04:08:37.283	0.4									m_e	

Event 91208002 NE of Altdorf, Uri/CH

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/12/08	03:07:55.70	0.07	0.38	46.9494	8.6083	1.4	0.9	128	10.0	0.0	46	13	143			m i ke	LDG	91208042
2009/12/08	03:07:54.93	0.33	0.11	46.9074	8.7446	2.0	1.8	063	10.4	2.3	17	4	165			m i uk	ZAMG	91208032
2009/12/08	03:07:56.74	0.71	0.50	47.0160	8.6060	8.9	5.6	007	10.0f		11	7	226	0.45	1.33	m i ke	BGR	91208022
2009/12/08	03:07:55.60	0.50	0.37	46.9600	8.6600	5.0	3.0	007	10.0f		31	11	219	0.76	1.71	m i ke	LED	91208012
2009/12/08	03:07:54.30			46.9400	8.6900				8.0							m i uk	SED	91208002

(#PRIME)

Event 91209010 Annweiler a. Trifels/Pfaelzer Wald, W of Landau

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/12/09	12:37:00.20	0.09	0.51	49.2136	7.9376	2.4	1.4	120	10.0	0.0	16	6	123			m i ke	LDG	91209030
2009/12/09	12:37:00.29	0.46	0.28	49.2140	7.9140	5.6	4.4	173	10.0f		7	5	144	0.14	2.20	m i ke	BGR	91209020
2009/12/09	12:36:59.76	0.24	0.22	49.2470	7.8830	2.9	2.0	131	10.0f		16	11	109	0.15	1.61	m i ke	LED	91209010

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MD	2.3	0.0	3 LDG	91209030
ML	2.5	0.4	7 LDG	91209030
ML	1.9	0.2	2 BGR	91209020
ML	1.8	0.2	9 LED	91209010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KTD	0.15	60.7	P*	12:37:03.240						T__				mci	
LDAU	0.17	112.1	P*	12:37:03.570						T__				mci	ML 2.6
LDAU	0.17	112.1	S*	12:37:06.740						T__				m_i	
LANF	0.27	190.8	P*	12:37:05.220						T__				mc_	
SWS	0.58	65.7	P*	12:37:10.820						T__				m__	ML 2.0
SWS	0.58	65.7	S*	12:37:18.450						T__				m__	
SWS	0.58	65.7	SmS	12:37:20.690	-2.5					T__				m__	
TOD	0.70	58.7	P*	12:37:12.840						T__				m__	
RUP	0.70	310.7	PmP	12:37:14.860	-0.6					T__				m__	
LBG	0.84	133.9	P*	12:37:15.900						---				m__	ML 1.7
LBG	0.84	133.9	S*	12:37:27.180						T__				m__	
BFO	0.96	162.0	Pg	12:37:18.120	0.1					T__				m__	ML 1.8
BFO	0.96	162.0	S	12:37:29.880						T__				m__	
BFO	0.96	162.0	Sg	12:37:30.820	0.3					---				m__	
ECH	1.14	205.1	Sg	12:37:35.292	-0.7					---				m_e	
WLF	1.20	291.0	Sg	12:37:39.587	1.6					---				m_e	ML 2.0
BUCH	1.25	128.9	Sg	12:37:39.360	-0.3					T__				m__	ML 1.8
KIZ	1.29	179.0	S	12:37:40.400						---				m__	
FELD	1.37	176.6	Sg	12:37:42.990	-0.5					---				m__	
GUT	1.43	144.8	Sg	12:37:44.530	-0.8					---				m__	ML 1.6
THEF	1.61	231.4	Pg	12:37:29.950	-0.2					---				m__	
THEF	1.61	231.4	Sg	12:37:52.120	1.2					---				m__	
GRA1	2.21	77.1	Sg	12:38:10.388	0.2					---				m_e	

Event 91211007 Moers, Ruhr Coal Mining District

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/12/11	19:47:19.50	0.11	0.69	51.4466	6.5825	2.3	1.8	130	1.0f		64	27	075			m i sr	LDG	91211047
2009/12/11	19:47:18.60	0.57	0.21	51.4990	6.5540				1.0f			6	287	0.28	1.38	m i ki	BNS	91211037
2009/12/11	19:47:18.20	0.53	0.21	51.5030	6.6160				1.0f			11	244			m i ki	GDNRW	91211027
2009/12/11	19:47:19.73	0.24	1.08	51.4710	6.5830	4.4	3.3	118	1.0f		24	15	077	0.43	3.95	m i ki	BGR	91211017
2009/12/11	19:47:17.90			51.4570	6.5690				1.0f				269	0.06	0.44	m i ki	BUG	91211007

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MD	3.3	0.3	2 LDG	91211047
ML	3.4	0.3	24 LDG	91211047
ML	2.6		BNS	91211037

ML	2.6		GDNRW	91211027
ML	2.8	0.2	6 BGR	91211017
ML	2.5		BUG	91211007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BRHE	0.06	1.3	Pg	19:47:19.100	0.1					T__				m__	ML	2.1
BRHE	0.06	1.3	Sg	19:47:20.300	0.5					T__				m__		
LAUG	0.26	114.2	Pg	19:47:24.010	1.3					---				m_e		
HES	0.31	106.8	Pg	19:47:24.194	0.5					---				m_e		
JCK	0.43	191.6	Pg	19:47:27.719	1.7					---				m_e		
JCK	0.43	191.6	Sg	19:47:34.596	3.0					---		743.1	0.21	m_e		
BUG	0.44	91.9	Pg	19:47:27.200	1.1					TA_				m_e	ML	2.5
BUG	0.44	91.9	Sg	19:47:33.900	2.1					TA_				m__		
RWB	0.44	216.3	Sg	19:47:35.159	3.3					---		524.0	0.21	m_e		
OPLO	0.46	289.5	Pg	19:47:28.468	1.9					---	3.0			m_e		
PLH	0.48	160.8	Pg	19:47:28.558	1.6					---				m_e		
PLH	0.48	160.8	Sg	19:47:35.667	2.5					---		455.8	0.29	m_e		
WTSB	0.53	15.5	Pg	19:47:28.746	0.9					---	22.7			m_e		
WTSB	0.53	15.5	Sg	19:47:36.357	1.7					---				m_e		
ENTS	0.57	112.0	Sg	19:47:37.193	1.2					---				m_e		
BNS	0.62	142.1	Pg	19:47:31.440	1.8					---				m_e		
HOBG	0.67	134.4	Pg	19:47:32.320	1.7					---				m_e		
GSH	0.73	189.4	Pg	19:47:33.376	1.7					---				m_e		
GSH	0.73	189.4	Sg	19:47:44.170	3.0					---		123.1	0.17	m_e		
HGN	0.80	210.2	Pg	19:47:34.662	1.7					---	335.5			m_e		
HGN	0.80	210.2	Sg	19:47:45.767	2.4					---				m_e		
DREG	0.82	195.0	Pg	19:47:34.910	1.5					---				m_e		
DREG	0.82	195.0	Sg	19:47:47.470	3.5					---		317.9	0.37	m_e		
KLL	0.83	191.4	Pg	19:47:35.070	1.6					---				m_e		
STB	0.88	168.7	Pg	19:47:36.260	1.8					---				m_e		
STB	0.88	168.7	Sg	19:47:48.880	3.0					---		245.5	0.32	m_e		
SORT	0.88	96.4	Pg	19:47:35.180	0.7					---				m_e		
SORT	0.88	96.4	Sg	19:47:46.647	0.7					---				m_e		
TDN	0.91	164.9	Pg	19:47:36.875	1.8					---				m_e		
TDN	0.91	164.9	Sg	19:47:49.552	2.6					---		107.2	0.16	m_e		
MEM	0.92	202.9	Pg	19:47:36.678	1.5					---	47.1			m_e		
MEM	0.92	202.9	Sg	19:47:49.574	2.5					---				m_e		
OLFT	0.97	185.6	Pg	19:47:37.786	1.7					---				m_e		
OLFT	0.97	185.6	Sg	19:47:51.458	2.8					---				m_e		
AHRW	0.97	160.6	Pg	19:47:38.385	2.2					---	36.1			m_e	ML	2.6
AHRW	0.97	160.6	Sg	19:47:53.503	4.8					---				m_e		
IBBN	1.12	40.4	Pg	19:47:40.153	1.1					---	11.0			m_e	ML	2.7
IBBN	1.12	40.4	Sg	19:47:55.451	1.9					---				m_e		
BHE	1.17	160.5	Pg	19:47:41.560	1.6					---				m_e		
BHE	1.17	160.5	Sg	19:47:57.648	2.6					---		52.7	0.20	m_e		
KOE	1.27	144.2	Pg	19:47:42.060	0.3					---				m_e		
LOH	1.27	181.0	Pg	19:47:43.268	1.3					---				m_e		
LOH	1.27	181.0	Sg	19:48:01.106	2.7					---		68.6	0.34	m_e		
BGG	1.34	158.5	Pg	19:47:43.650	0.5					---				m_e		
WIT	1.36	2.6	Sg	19:48:03.117	2.1					---				m_e		
WLF	1.81	188.6	Pn	19:47:52.204	2.8					---	0.7			m_e	ML	3.0
WLF	1.81	188.6	Pg	19:47:53.287	1.2					---	8.4			m_e		
WLF	1.81	188.6	Sg	19:48:16.205	0.7					---				m_e		
GTTG	2.12	86.3	Sg	19:48:24.826	-0.3					---				m_e	ML	3.0

CLZ	2.39	79.3	Pn	19:47:59.117	1.9	___	1.3									m_e	ML	2.9
CLZ	2.39	79.3	Sg	19:48:34.622	0.8	___										m_e		
RUH	2.46	100.5	Pn	19:48:00.405	2.3	___	2.8									m_e		
ECH	3.26	173.1	Pn	19:48:10.487	1.4	___	1.9									m_e		
BFO	3.33	159.4	Pn	19:48:11.694	1.8	___	10.3									m_e		
ROTZ	3.96	113.1	Pn	19:48:20.277	1.8	___	1.9									m_e		

Event 91212005 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/12/12	04:39:38.09	0.27	0.83	51.4480	16.0990	3.3	2.2	031	1.0f		57	33	168	0.62	4.30	m i ki	BGR	91212005

Magnitude	Err	Nsta	Author	OrigID
ML	3.4	0.4	30 BGR	91212005

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KSP	0.62	168.5	Pg	04:39:49.972	0.3					T__				m_e	ML 2.7
KSP	0.62	168.5	Sg	04:39:58.481	0.8					T__				m_e	
DPC	1.11	172.6	Pg	04:39:58.738	-0.2					T__				m_e	ML 2.8
DPC	1.11	172.6	Sg	04:40:13.294	0.0					T__				m_e	
PVCC	1.33	226.9	Pn	04:40:03.107	0.0					T__	65.7			m_e	ML 3.7
PVCC	1.33	226.9	Sg	04:40:21.179	0.8					T__				m_e	
BRG	1.47	247.8	Pn	04:40:04.131	-0.8					T__	32.6			m_e	ML 3.3
BRG	1.47	247.8	Pg	04:40:05.696	-0.1					T__	1.5			m_e	
BRG	1.47	247.8	Sg	04:40:23.650	-1.1					T__				m_e	
RUE	1.76	306.6	Pn	04:40:07.895	-1.0					T__	10.9			m_e	ML 3.5
RUE	1.76	306.6	Pg	04:40:11.468	0.2					T__	6.8			m_e	
PRU	1.76	214.6	Pn	04:40:08.607	-0.3					T__	59.0			m_e	ML 3.0
PRU	1.76	214.6	Pg	04:40:10.572	-0.7					T__	11.4			m_e	
FBE	1.80	254.0	Pn	04:40:08.617	-0.8					T__	19.5			m_e	ML 2.4
FBE	1.80	254.0	Pg	04:40:11.525	-0.5					T__	2.2			m_e	
FBE	1.80	254.0	Sg	04:40:35.666	0.4					T__				m_e	
MORC	1.91	150.7	Pn	04:40:10.217	-0.7					T__	93.3			m_e	ML 3.1
MORC	1.91	150.7	Pg	04:40:12.850	-1.2					T__	40.6			m_e	
MORC	1.91	150.7	Sg	04:40:37.548	-1.1					T__				m_e	
CLL	1.94	267.1	Pn	04:40:10.618	-0.7					T__	51.1			m_e	ML 3.2
CLL	1.94	267.1	Pg	04:40:13.132	-1.5					T__	12.4			m_e	
OKC	2.07	140.3	Pn	04:40:12.818	-0.3					T__	24.2			m_e	ML 3.4
OKC	2.07	140.3	Pg	04:40:16.593	-0.5					T__	3.2			m_e	
OKC	2.07	140.3	Sg	04:40:43.351	-0.5					T__				m_e	
VRAC	2.16	171.4	Pn	04:40:15.147	0.8					T__	21.3			m_e	ML 3.1
VRAC	2.16	171.4	Sg	04:40:46.782	-0.0					T__				m_e	
KRUC	2.39	175.4	Pn	04:40:17.999	0.5					T__	61.6			m_e	ML 3.1
KRUC	2.39	175.4	Pg	04:40:21.987	-1.2					T__	8.3			m_e	
KRUC	2.39	175.4	Sg	04:40:54.436	0.3					T__				m_e	
TANN	2.51	247.2	Pn	04:40:19.583	0.5					T__	58.5			m_e	ML 3.4
TANN	2.51	247.2	Pg	04:40:25.510	0.0					T__	17.4			m_e	
TANN	2.51	247.2	Sg	04:40:56.606	-1.4					T__				m_e	
WERD	2.59	248.8	Pn	04:40:20.511	0.4					T__	86.7			m_e	ML 3.5
WERD	2.59	248.8	Pg	04:40:27.189	0.3					T__	10.6			m_e	
WERD	2.59	248.8	Sg	04:41:00.877	0.5					T__				m_e	
NKC	2.61	243.6	Pn	04:40:20.685	0.3					T__	59.7			m_e	ML 3.7

NKC	2.61	243.6	Pg	04:40:27.341	0.1	T__	25.8	m_e											
NKC	2.61	243.6	Sg	04:41:00.387	-0.5	T__		m_e											
GUNZ	2.61	246.9	Pn	04:40:21.383	0.9	T__	43.1	m_e ML											3.6
GUNZ	2.61	246.9	Sg	04:41:01.304	0.3	T__		m_e											
OJC	2.64	116.3	Pn	04:40:19.140	-1.7	T__	7.5	m_e ML											3.5
PLN	2.66	250.3	Pn	04:40:21.377	0.2	T__	18.4	m_e ML											4.2
NEUB	2.71	266.6	Pg	04:40:28.707	-0.5	T__		m_e ML											4.1
JAVC	2.78	158.1	Pn	04:40:23.743	1.0	T__	40.2	m_e ML											3.4
KHC	2.82	215.8	Pn	04:40:23.424	0.1	T__	59.1	m_e ML											3.2
MANZ	2.92	241.5	Pn	04:40:25.198	0.6	T__	20.5	m_e											
ROTZ	2.99	237.3	Pn	04:40:26.089	0.5	T__	25.6	m_e											
GEC2	3.02	211.5	Pn	04:40:26.642	0.6	T__	40.8	m_e ML											3.6
WET	3.09	223.0	Pn	04:40:28.418	1.5	T__	23.7	m_e ML											3.3
FLT1	3.13	288.3	Pg	04:40:37.654	0.6	T__		m_e ML											3.4
ASSE	3.42	283.6	Pg	04:40:42.246	-0.4	T__		m_e ML											3.3
GRA1	3.56	242.4	Pn	04:40:34.224	0.9	T__	4.7	m_e ML											3.9
CLZ	3.57	278.6	Pn	04:40:34.317	0.8	T__	4.9	m_e ML											3.6
UBBA	3.88	263.0	Pn	04:40:38.313	0.7	T__	4.2	m_e ML											3.7
RJOB	4.28	211.3	Pn	04:40:45.012	1.9	T__	6.9	m_e ML											3.9
BSEG	4.30	307.6	Pn	04:40:43.367	0.1	T__	8.5	m_e ML											3.5

Event 91213002 Hamm/Westfalen, Ruhr Coal Mining District

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	
2009/12/13	06:01:01.60	0.24	0.47	51.5939	7.6653	4.1	3.2	053	1.0f		12	6	293			m i sr	LDG	91213032	
2009/12/13	06:01:02.10	0.40	0.11	51.5860	7.6580				1.0f				5	316	0.50	1.29	m i ki	BNS	91213022
2009/12/13	06:01:01.33	0.21	0.94	51.6390	7.7770	4.4	2.2	169	1.0f		26	14	082	0.37	2.24	m i ki	BGR	91213012	
2009/12/13	06:00:59.50			51.6220	7.7950				1.0f					233	0.12	0.37	m i ki	BUG	91213002

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MD	3.4	1	LDG	91213032
ML	2.4	0.5	5 LDG	91213032
ML	1.8		BNS	91213022
ML	2.1	0.2	6 BGR	91213012
ML	2.0		BUG	91213002

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BAHL	0.12	8.2	Pg	06:01:02.500	0.8					T__				m__ ML	2.2
BAHL	0.12	8.2	Sg	06:01:04.500	1.3					T__				m__	
BUG	0.37	241.2	Pg	06:01:07.500	1.0					TA__				m_e ML	2.0
BUG	0.37	241.2	Sg	06:01:13.400	2.0					TA__				m__	
LAUG	0.60	243.2	Pg	06:01:11.770	1.1					___				m_e	
IBBN	0.68	358.2	Pg	06:01:14.212	1.8					___	2.6			m_e ML	2.1
HOBG	0.70	204.5	Pg	06:01:14.120	1.4					___				m_e	
WTSB	0.71	299.6	Pg	06:01:13.889	1.1					___	8.8			m_e	
WTSB	0.71	299.6	Sg	06:01:22.163	0.2					___				m_e	
AHRW	1.17	203.0	Pg	06:01:23.746	2.2					___	7.1			m_e ML	2.1
AHRW	1.17	203.0	Sg	06:01:39.669	3.0					___				m_e	
STB	1.19	210.6	Pg	06:01:23.180	1.3					___				m_e	
STB	1.19	210.6	Sg	06:01:38.360	1.1					___		41.4	0.45	m_e	
OPLO	1.19	270.1	Pg	06:01:24.140	2.1					___	1.9			m_e	

HOBG	0.71	203.2	Pg	15:46:20.550	1.3	---												m_e	
JCK	1.04	234.9	Sg	15:46:39.298	0.6	---												m_e	
AHRW	1.18	202.2	Pg	15:46:28.823	0.7	---	4.4							163.2	0.31			m_e ML	2.2
AHRW	1.18	202.2	Sg	15:46:45.536	2.2	---												m_e	
STB	1.20	209.8	Pg	15:46:29.340	0.9	---												m_e	
STB	1.20	209.8	Sg	15:46:45.580	1.7	---								38.4	0.29			m_e	
KOE	1.21	181.4	Pg	15:46:29.820	1.2	---												m_e	
KLL	1.35	223.5	Pg	15:46:31.410	0.1	---												m_e	
GTTG	1.36	93.1	Pg	15:46:34.101	2.7	---	1.5											m_e ML	2.6
GTTG	1.36	93.1	Sg	15:46:53.134	4.1	---												m_e	
DREG	1.38	225.4	Pg	15:46:31.900	0.2	---												m_e	
HGN	1.45	233.7	Pn	15:46:32.836	0.4	---	7.4											m_e	
HGN	1.45	233.7	Sg	15:46:52.489	0.6	---												m_e	
BGG	1.46	191.2	Pg	15:46:33.590	0.3	---												m_e	
MEM	1.52	227.9	Pn	15:46:34.290	1.0	---	2.9											m_e	
MEM	1.52	227.9	Sg	15:46:55.345	1.4	---												m_e	
UBBA	1.61	119.6	Pg	15:46:37.683	1.5	---	3.8											m_e ML	2.1
UBBA	1.61	119.6	Sg	15:46:58.143	1.0	---												m_e	
CLZ	1.62	81.8	Pn	15:46:37.041	2.3	---	5.4											m_e ML	2.3
CLZ	1.62	81.8	Sg	15:46:59.264	2.0	---												m_e	

Event 91215008 Saarbruecken-West

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/12/15	17:02:57.90	0.20	0.45	49.3638	6.7767	5.8	2.5	108	1.0f		6	3	183			m i sr	LDG	91215018
2009/12/15	17:02:58.06	0.40	0.56	49.3230	6.7930	8.9	3.3	067	1.0f		7	4	143	0.54	1.42	m i ki	BGR	91215008

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MD	2.2	0.1	3 LDG	91215018
ML	2.5	0.1	4 LDG	91215018
ML	1.7	0.2	3 BGR	91215008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WLF	0.54	309.6	Sg	17:03:14.712	-0.4					T_				m_e ML	1.4
ECH	1.13	167.6	Pg	17:03:20.112	0.7					T_				m_e	
ECH	1.13	167.6	Sg	17:03:34.220	0.2					T_				m_e	
AHRW	1.23	8.4	Pg	17:03:21.052	-0.2					T_				m_e ML	1.8
AHRW	1.23	8.4	Sg	17:03:37.794	0.6					T_				m_e	
BFO	1.42	133.9	Pg	17:03:24.856	0.1					T_				m_e ML	1.8
BFO	1.42	133.9	Sg	17:03:42.262	-0.8					T_				m_e	

Event 91215004 Hamm/Westfalen, Ruhr Coal Mining District

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	
2009/12/15	20:21:16.40	0.22	0.26	51.5832	7.6509	4.3	3.5	071	1.0f		9	5	306			m i sr	LDG	91215044	
2009/12/15	20:21:15.70	0.35	0.11	51.6600	7.7060				1.0f				6	302	0.57	1.36	m i ki	BNS	91215034
2009/12/15	20:21:14.50	0.64	0.21	51.6640	7.7140				1.0f				9	278			m i ki	GDNRW	91215024
2009/12/15	20:21:16.06	0.24	0.88	51.6000	7.8260	3.3	3.3	170	1.0f		21	12	085	0.38	1.74	m i ki	BGR	91215014	
2009/12/15	20:21:14.70			51.6450	7.7540				1.0f				211	0.10	0.36	m i ki	BUG	91215004	

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MD	3.1	0.3	2 LDG	91215044
ML	2.6	0.5	5 LDG	91215044
ML	2.1		BNS	91215034
ML	2.2		GDNRW	91215024
ML	2.4	0.1	5 BGR	91215014
ML	2.2		BUG	91215004

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BAHL	0.10	24.5	Pg	20:21:17.400	0.8					T_				m_e	ML 2.3
BAHL	0.10	24.5	Sg	20:21:19.400	1.5					T_				m_e	
SORT	0.32	155.3	Pg	20:21:21.872	1.0									m_e	
SORT	0.32	155.3	Sg	20:21:26.799	1.8							127.6	0.17	m_e	
BUG	0.36	236.1	Pg	20:21:22.500	0.9					TA_				m_e	ML 2.2
BUG	0.36	236.1	Sg	20:21:28.200	1.9					TA_				m_e	
ENTS	0.46	208.1	Pg	20:21:23.922	0.6									m_e	
ENTS	0.46	208.1	Sg	20:21:30.521	1.3							39.3	0.13	m_e	
HES	0.52	238.2	Pg	20:21:24.374	-0.2									m_e	
HES	0.52	238.2	Sg	20:21:32.104	0.8									m_e	
LAUG	0.58	240.1	Pg	20:21:26.500	0.8									m_e	
IBBN	0.66	0.3	Pg	20:21:29.404	2.2				1.9					m_e	ML 2.3
IBBN	0.66	0.3	Sg	20:21:38.660	2.9									m_e	
WTSB	0.67	298.9	Pg	20:21:28.773	1.4				10.6					m_e	
WTSB	0.67	298.9	Sg	20:21:38.947	2.9									m_e	
HOBG	0.71	201.8	Pg	20:21:29.260	1.1									m_e	
PLH	0.87	222.7	Pg	20:21:31.096	0.0									m_e	
PLH	0.87	222.7	Sg	20:21:42.969	0.7							122.9	0.24	m_e	
JCK	1.03	234.1	Sg	20:21:47.752	0.4							124.7	0.14	m_e	
OPLO	1.17	268.9	Pg	20:21:39.030	2.3				1.6					m_e	
OPLO	1.17	268.9	Sg	20:21:56.503	4.7									m_e	
AHRW	1.18	201.4	Pg	20:21:38.121	1.1				6.7					m_e	ML 2.3
AHRW	1.18	201.4	Sg	20:21:54.892	2.6									m_e	
TDN	1.18	205.7	Pn	20:21:37.749	0.0									m_e	
TDN	1.18	205.7	Sg	20:21:53.551	1.2							96.5	0.17	m_e	
STB	1.20	209.0	Pg	20:21:37.970	0.7									m_e	
STB	1.20	209.0	Sg	20:21:54.310	1.6							63.6	0.40	m_e	
KOE	1.22	180.7	Pg	20:21:38.410	0.7									m_e	
GSH	1.25	224.0	Pg	20:21:38.710	0.4									m_e	
GSH	1.25	224.0	Sg	20:21:55.079	0.6							29.3	0.14	m_e	
WIT	1.34	330.8	Sg	20:22:01.931	4.5									m_e	
KLL	1.35	222.8	Pg	20:21:40.020	-0.1									m_e	
DREG	1.37	224.8	Pg	20:21:40.470	-0.0									m_e	
GTTG	1.38	93.3	Pg	20:21:42.734	2.1				5.3					m_e	ML 2.4
OLFT	1.42	216.6	Pg	20:21:41.346	-0.2									m_e	
OLFT	1.42	216.6	Sg	20:21:59.476	-0.5									m_e	
HGN	1.44	233.1	Pn	20:21:41.732	0.5				4.3					m_e	
HGN	1.44	233.1	Sg	20:22:01.067	0.6									m_e	
MEM	1.51	227.3	Pn	20:21:43.299	1.2				5.0					m_e	
MEM	1.51	227.3	Sg	20:22:03.701	1.1									m_e	
UBBA	1.63	119.5	Pn	20:21:44.171	0.4				1.2					m_e	
UBBA	1.63	119.5	Sg	20:22:06.065	-0.5									m_e	
CLZ	1.63	82.1	Pn	20:21:44.076	0.3				2.5					m_e	ML 2.4

CLZ	1.63	82.1	Pg	20:21:45.539	0.1	_____	16.8	m_e
RUH	1.80	111.8	Pn	20:21:44.315	-1.7	_____	1.6	m_e

Event 91215005 Muellheim/Upper Rhine Graben, NE of Mulhouse/F

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/12/15	21:12:36.10			47.8800	7.5800				0.0							m i uk	SED	91215035
2009/12/15	21:12:36.40	0.04	0.45	47.8953	7.5666	0.9	0.8	161	7.0f		56	19	026			m i ke	LDG	91215025
2009/12/15	21:12:36.65	0.49	0.28	47.8980	7.5660	4.4	3.3	077	10.0f		13	7	149	0.42	1.49	m i ke	BGR	91215015
2009/12/15	21:12:36.54	0.11	0.15	47.8910	7.6000	1.2	0.9	341	7.0	2.0	25	14	086	0.22	1.30	m i ke	LED	91215005

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	1.8		SED	91215035
MD	2.6	0.1	3 LDG	91215025
ML	2.4	0.3	15 LDG	91215025
ML	1.5	0.0	1 BGR	91215015
ML	1.9	0.2	8 LED	91215005

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KIZ	0.22	72.9	P*	21:12:41.090						T__				mci	ML 1.7
KIZ	0.22	72.9	S*	21:12:44.290						T__				m_i	
LIBD	0.26	0.4	P*	21:12:42.130						T__				md_	
LIBD	0.26	0.4	S*	21:12:46.230						T__				m__	
FELD	0.27	93.0	P*	21:12:42.040						T__				m__	
MOF	0.32	263.0	P*	21:12:42.730						T__				m__	
MOF	0.32	263.0	S*	21:12:47.250						T__				m__	
BBS	0.43	188.2	P*	21:12:44.970						T__				m__	
ECH	0.44	317.9	P*	21:12:44.800						T__				m__	ML 1.6
ECH	0.44	317.9	SmS	21:12:54.950	-2.2					T__				m__	
SULZ	0.50	136.2	Pg	21:12:46.319	0.3					_____	3.1			m_e	
SULZ	0.50	136.2	Sg	21:12:53.403	0.8					_____				m_e	
WLS	0.55	342.6	P*	21:12:47.150						T__				mc_	
BALST	0.56	173.4	Pg	21:12:47.367	0.2					_____	7.0			m_e	
BALST	0.56	173.4	Sg	21:12:55.021	0.6					_____				m_e	
SLE	0.61	101.4	Pg	21:12:48.435	0.3					_____	10.4			m_e	
SLE	0.61	101.4	Sg	21:12:56.731	0.6					_____				m_e	
BFO	0.66	47.7	P*	21:12:49.130						T__				m__	ML 1.9
BFO	0.66	47.7	PmP	21:12:50.260	-1.6					T__				m__	
BFO	0.66	47.7	S*	21:12:58.010						T__				m__	
BFO	0.66	47.7	SmS	21:13:00.120	-2.2					T__				m__	
LOMF	0.75	224.2	P*	21:12:50.890						T__				m__	
SISB	0.94	102.1	P*	21:12:55.120						T__				m__	ML 2.2
SISB	0.94	102.1	S*	21:13:07.870						_____				m__	
WILA	1.00	117.9	Pg	21:12:56.329	0.9					_____	7.7			m_e	
WILA	1.00	117.9	Sg	21:13:10.001	1.6					_____				m_e	
GUT	1.03	79.4	PmP	21:12:56.590	-1.3					T__				m__	ML 1.9
LBG	1.11	45.4	P	21:12:56.270						T__				mc_	ML 2.1
LBG	1.11	45.4	Sg	21:13:12.740	0.9					T__				m__	
BUCH	1.30	63.8	P	21:12:59.170						T__				mc_	ML 1.7
BUCH	1.30	63.8	Pg	21:13:01.570	0.6					_____				m__	
BUCH	1.30	63.8	Sg	21:13:19.090	1.3					_____				m__	

PLONS	1.47	124.3	Pg	21:13:04.732	0.5	---	2.4												m_e
PLONS	1.47	124.3	Sg	21:13:24.240	1.0	---													m_e

Event 91215007 Hamm/Westfalen, Ruhr Coal Mining District

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/12/15	22:44:07.80	0.52	0.21	51.6580	7.6730				1.0f			6	302	0.55	1.34	m i k i	BNS	91215027
2009/12/15	22:44:08.96	0.23	0.98	51.5920	7.7450	3.3	3.3	170	1.0f		20	11	084	0.33	1.65	m i k i	BGR	91215017
2009/12/15	22:44:06.10			51.6520	7.7590				1.0f				210	0.09	0.37	m i k i	BUG	91215007

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	1.5		BNS	91215027
ML	2.0	0.1	3 BGR	91215017
ML	1.7		BUG	91215007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BAHL	0.09	24.6	Pg	22:44:09.000	1.1					T_				m_	ML 1.8
BAHL	0.09	24.6	Sg	22:44:11.100	2.0					T_				m_	
BUG	0.37	235.4	Pg	22:44:14.100	1.0					TA_				m_e	ML 1.7
BUG	0.37	235.4	Sg	22:44:19.900	2.0					TA_				m_	
LAUG	0.59	239.6	Pg	22:44:18.240	1.0									m_e	
IBBN	0.65	360.0	Sg	22:44:31.600	4.7									m_e	
WTSB	0.67	298.3	Pg	22:44:20.679	1.9						9.6			m_e	
WTSB	0.67	298.3	Sg	22:44:30.555	3.1									m_e	
HOBG	0.72	201.8	Pg	22:44:21.540	1.9									m_e	
OPLO	1.17	268.6	Sg	22:44:48.510	5.2									m_e	
AHRW	1.19	201.4	Pg	22:44:30.013	1.5						2.2			m_e	ML 1.9
AHRW	1.19	201.4	Sg	22:44:46.596	2.7									m_e	
STB	1.20	209.0	Pg	22:44:29.870	1.1									m_e	
STB	1.20	209.0	Sg	22:44:45.830	1.4							17.6	0.28	m_e	
KOE	1.23	180.8	Pg	22:44:30.140	0.9									m_e	
WIT	1.34	330.6	Pg	22:44:36.416	5.1						3.3			m_e	
WIT	1.34	330.6	Sg	22:44:53.688	5.0									m_e	
KLL	1.35	222.7	Pg	22:44:31.880	0.3									m_e	
GTTG	1.37	93.6	Pn	22:44:34.338	2.7						2.2			m_e	ML 2.1
GTTG	1.37	93.6	Sg	22:44:53.797	4.0									m_e	
DREG	1.38	224.7	Pg	22:44:32.170	0.1									m_e	
HGN	1.45	232.9	Pn	22:44:33.922	1.2						2.6			m_e	
HGN	1.45	232.9	Sg	22:44:52.814	0.7									m_e	
MEM	1.52	227.2	Pn	22:44:34.813	1.2						1.5			m_e	
MEM	1.52	227.2	Sg	22:44:55.515	1.3									m_e	
CLZ	1.63	82.3	Pn	22:44:37.465	2.3						6.6			m_e	
CLZ	1.63	82.3	Sg	22:45:01.372	3.5									m_e	
UBBA	1.63	119.8	Pn	22:44:37.808	2.6						2.0			m_e	
UBBA	1.63	119.8	Sg	22:45:00.658	2.7									m_e	

Event 91216002 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
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2009/12/16 02:08:55.39 0.30 1.14 50.3080 18.8120 5.6 3.3 176 1.0f 27 17 116 0.64 4.11 m i ki BGR 91216002

Magnitude Err Nsta Author OrigID
ML 3.1 0.4 14 BGR 91216002

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
OKC	0.64	222.5	Pg	02:09:07.899	0.5					T__	38.1			m_e ML	2.6
OKC	0.64	222.5	Sg	02:09:18.336	2.8					T__				m_e	
OJC	0.64	97.6	Pg	02:09:06.326	-1.1					T__	142.8			m_e ML	3.2
OJC	0.64	97.6	Sg	02:09:15.256	-0.4					T__				m_e	
MORC	0.97	237.4	Pg	02:09:13.170	-0.6					T__	46.8			m_e ML	3.0
MORC	0.97	237.4	Sg	02:09:27.225	0.9					T__				m_e	
DPC	1.59	272.5	Pn	02:09:23.517	-0.4					T__	9.3			m_e ML	3.4
DPC	1.59	272.5	Sg	02:09:45.720	-0.2					T__				m_e	
JAVC	1.63	207.5	Pn	02:09:25.083	0.7					T__	12.2			m_e ML	2.4
KSP	1.69	289.5	Pn	02:09:24.841	-0.4					T__	3.6			m_e ML	2.8
KSP	1.69	289.5	Sg	02:09:49.258	0.3					T__				m_e	
VRAC	1.75	235.9	Pn	02:09:26.061	0.0					T__	4.1			m_e ML	2.9
VRAC	1.75	235.9	Sg	02:09:50.661	-0.2					T__				m_e	
KRUC	2.00	232.4	Pn	02:09:29.172	-0.3					T__	2.4			m_e ML	2.7
KRUC	2.00	232.4	Sg	02:09:58.381	-0.5					T__				m_e	
PVCC	2.71	276.3	Pg	02:09:46.685	0.2					T__	3.4			m_e ML	3.6
PRU	2.75	265.0	Sg	02:10:21.820	-1.1					T__				m_e ML	3.1
GKP	3.12	342.4	Pn	02:09:45.685	1.1					T__	2.4			m_e	
BRG	3.14	282.2	Pg	02:09:52.921	-1.7					T__	2.7			m_e	
KHC	3.58	252.8	Pn	02:09:51.063	0.2					T__	4.7			m_e ML	3.3
KHC	3.58	252.8	Sg	02:10:46.640	-2.5					T__				m_e	
GEC2	3.62	248.1	Pn	02:09:51.910	0.5					T__	2.9			m_e ML	3.5
GEC2	3.62	248.1	Pg	02:10:02.402	-1.2					T__	4.2			m_e	
GEC2	3.62	248.1	Sg	02:10:49.958	-0.5					T__				m_e	
CLL	3.80	287.5	Sg	02:10:57.835	1.6					T__				m_e ML	3.5
WERN	4.11	272.2	Pn	02:09:59.253	1.2					T__	1.9			m_e ML	3.5

Event 91216003 Hamm/Westfalen, Ruhr Coal Mining District

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/12/16	10:55:13.50	0.91	0.41	51.7340	7.7190				0.6	9.9		6	308	0.62	1.42	m i ki	BNS	91216033
2009/12/16	10:55:13.60	0.30	0.11	51.6480	7.7360				1.0f			2	307			m i ki	GDNRW	91216023
2009/12/16	10:55:14.75	0.37	0.68	51.6330	7.7760	5.6	4.4	164	1.0f		13	8	143	0.37	1.62	m i ki	BGR	91216013
2009/12/16	10:55:13.20			51.6360	7.7730				1.0f				221	0.11	0.37	m i ki	BUG	91216003

(#PRIME)

Magnitude Err Nsta Author OrigID
ML 2.1 BNS 91216033
ML 1.6 GDNRW 91216023
ML 2.0 0.2 4 BGR 91216013
ML 1.9 BUG 91216003

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BAHL	0.11	16.6	Pg	10:55:16.000	0.8					T__				m__ ML	2.1
BAHL	0.11	16.6	Sg	10:55:18.000	1.4					T__				m__	
SORT	0.31	156.6	Pg	10:55:20.596	1.5					___				m_e	

SORT	0.31	156.6	Sg	10:55:25.421	2.3								77.0	0.18	m_e				
BUG	0.37	238.2	Pg	10:55:21.100	0.9											m_e ML		1.9	
BUG	0.37	238.2	Sg	10:55:26.900	2.0											m_e			
ENTS	0.45	209.9	Pg	10:55:22.820	1.1											m_e			
ENTS	0.45	209.9	Sg	10:55:29.139	1.5											m_e			
LAUG	0.59	241.4	Pg	10:55:24.950	0.6											m_e			
WTSB	0.69	299.1	Pg	10:55:27.966	1.8											m_e			
WTSB	0.69	299.1	Sg	10:55:37.582	2.6											m_e			
HOBG	0.71	203.0	Pg	10:55:28.810	2.3											m_e			
AHRW	1.18	202.1	Pg	10:55:37.183	1.8											m_e ML		2.1	
AHRW	1.18	202.1	Sg	10:55:53.530	2.9											m_e			
STB	1.20	209.7	Pg	10:55:36.520	0.8											m_e			
STB	1.20	209.7	Sg	10:55:53.790	2.6								32.4	0.32	m_e				
KOE	1.21	181.2	Pg	10:55:36.890	0.9											m_e			
KLL	1.35	223.4	Pg	10:55:39.000	0.4											m_e			
GTTG	1.36	93.0	Pg	10:55:41.367	2.4											m_e			
DREG	1.37	225.4	Pg	10:55:39.740	0.7											m_e			
HGN	1.45	233.6	Pn	10:55:40.440	0.7						1.9					m_e			
HGN	1.45	233.6	Sg	10:56:00.164	1.0											m_e			
MEM	1.51	227.9	Pn	10:55:41.752	1.1						1.2					m_e			
MEM	1.51	227.9	Sg	10:56:02.444	1.2											m_e			
UBBA	1.62	119.5	Pg	10:55:45.149	1.5											m_e ML		1.8	
CLZ	1.62	81.7	Pn	10:55:42.845	0.7						1.2					m_e ML		2.2	

Event 91216007 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/12/16	19:29:08.10	0.89	0.41	51.7980	16.0740				5.0f			9	348	5.41	6.26	m i ke	BNS	91216017
2009/12/16	19:29:07.59	0.25	0.92	51.5320	16.1130	4.4	2.2	024	1.0f		52	38	110	0.70	5.94	m i ki	BGR	91216007

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	3.9		BNS	91216017
ML	4.3	0.4	33 BGR	91216007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KSP	0.70	170.6	Pg	19:29:20.573	-0.2					T__	102.9			m_e ML	3.6
DPC	1.19	173.6	Pg	19:29:29.349	-0.7					T__	311.8			m_e ML	4.3
DPC	1.19	173.6	Sg	19:29:45.129	-0.2					T__				m_e	
PVCC	1.40	224.7	Pn	19:29:32.868	-0.6					T__				m_e ML	4.4
PVCC	1.40	224.7	Pg	19:29:33.709	-0.2					T__	351.4			m_e	
PVCC	1.40	224.7	Sg	19:29:53.350	1.4					T__				m_e	
BRG	1.51	245.0	Pg	19:29:35.342	-0.7					T__	312.3			m_e ML	4.1
BRG	1.51	245.0	Sg	19:29:55.815	0.2					T__				m_e	
RUE	1.72	304.2	Pg	19:29:36.637	-3.3					T__	27.8			m_e ML	4.0
FBE	1.83	251.6	Pn	19:29:38.471	-0.9					T__				m_e ML	3.3
FBE	1.83	251.6	Pg	19:29:41.910	-0.2					T__	96.3			m_e	
FBE	1.83	251.6	Sg	19:30:06.307	0.5					T__				m_e	
PRU	1.84	213.4	Pn	19:29:38.762	-0.7					T__				m_e ML	3.7
CLL	1.95	264.6	Pn	19:29:39.778	-1.2					T__				m_e ML	3.9
CLL	1.95	264.6	Sg	19:30:10.585	1.0					T__				m_e	
MORC	1.98	152.1	Pn	19:29:40.442	-0.9					T__				m_e ML	3.8

MORC	1.98	152.1	Sg	19:30:09.235	-1.1	T__												m_e	
OKC	2.13	142.0	Pn	19:29:43.132	-0.3	T__												m_e ML	4.4
OKC	2.13	142.0	Sg	19:30:13.901	-1.3	T__												m_e	
VRAC	2.24	172.0	Pn	19:29:45.084	0.1	T__												m_e ML	4.0
VRAC	2.24	172.0	Sg	19:30:19.295	0.4	T__												m_e	
KRUC	2.48	175.7	Pn	19:29:48.630	0.5	T__												m_e ML	4.1
KRUC	2.48	175.7	Pg	19:29:53.667	-0.6	T__	4.0											m_e	
KRUC	2.48	175.7	Sg	19:30:26.157	-0.1	T__												m_e	
TANN	2.56	245.5	Pn	19:29:49.023	-0.2	T__												m_e ML	4.3
TANN	2.56	245.5	Sg	19:30:28.702	-0.1	T__												m_e	
WERD	2.63	247.1	Pn	19:29:49.838	-0.4	T__												m_e ML	4.3
WERD	2.63	247.1	Sg	19:30:30.795	-0.3	T__												m_e	
GUNZ	2.65	245.4	Pn	19:29:50.350	-0.2	T__												m_e ML	4.6
WERN	2.66	243.6	Pn	19:29:50.830	0.2	T__												m_e ML	4.5
OJC	2.67	118.0	Pn	19:29:49.259	-1.5	T__												m_e ML	4.4
PLN	2.70	248.7	Pn	19:29:50.862	-0.3	T__												m_e ML	5.0
JAVC	2.85	158.9	Pn	19:29:54.261	1.0	T__												m_e ML	4.4
KHC	2.90	215.0	Pn	19:29:53.410	-0.4	T__												m_e ML	4.0
MANZ	2.97	240.2	Pn	19:29:54.699	-0.1	T__												m_e	
ROTZ	3.04	236.0	Pn	19:29:55.665	-0.1	T__												m_e	
GEC2	3.10	210.8	Pn	19:29:56.577	0.0	T__												m_e ML	4.3
WET	3.16	222.1	Pn	19:29:57.858	0.5	T__												m_e ML	4.3
ASSE	3.41	282.2	Pn	19:30:01.140	0.3	T__												m_e ML	4.3
CLZ	3.57	277.2	Pn	19:30:03.676	0.7	T__												m_e ML	4.4
UBBA	3.90	261.8	Pn	19:30:07.203	-0.2	T__												m_e ML	4.4
BSEG	4.25	306.7	Pn	19:30:11.362	-0.8	T__												m_e ML	4.2
RJOB	4.36	210.8	Pn	19:30:14.883	1.2	T__												m_e ML	4.8
FUR	4.59	224.7	Pn	19:30:17.379	0.6	T__												m_e ML	5.0
SUW	4.94	57.1	Pn	19:30:22.645	1.1	T__												m_e ML	4.8
IBBN	5.21	281.8	Pn	19:30:26.761	1.6	T__												m_e ML	4.5
STU	5.22	240.8	Pn	19:30:25.566	0.2	T__												m_e ML	5.0
KOE	5.39	261.4	Pn	19:30:28.000	0.4	---												m_e	
HOBG	5.52	267.7	Pn	19:30:29.500	0.1	---												m_e	
BNS	5.62	267.7	Pn	19:30:30.800	0.1	---												m_e	
BGG	5.69	260.0	Pn	19:30:32.200	0.5	---												m_e	
LAUG	5.71	271.8	Pn	19:30:32.100	0.1	---												m_e	
AHRW	5.76	263.6	Pn	19:30:33.750	1.0	T__												m_e ML	4.6
STB	5.90	264.5	Pn	19:30:35.700	1.2	---												m_e	
STB	5.90	264.5	Sn	19:31:41.300	3.7	---					44.4	0.78						m_e	
BFO	5.94	240.4	Pn	19:30:34.689	-0.4	T__												m_e ML	4.8
HILG	6.07	261.9	Pn	19:30:38.600	1.7	---												m_e	
KLL	6.22	265.7	Pn	19:30:39.500	0.7	---												m_e	
DREG	6.26	265.9	Pn	19:30:40.500	1.1	---												m_e	

Event 91217006 Inn Valley/A, W of Innsbruck

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/12/17	13:05:07.80	0.20	2.28	47.2820	11.2429	1.9	1.2	158	6.0	0.0	18	6	054			m i uk	ZAMG	91217016
2009/12/17	13:05:09.86	0.71	1.42	47.2870	11.2420	12.2	5.6	176	10.0f		9	8	207	0.65	3.23	m i ke	BGR	91217006

(#PRIME)

Magnitude Err Nsta Author OrigID

ML 2.1 0.3 9 ZAMG 91217016
 ML 2.1 0.2 5 BGR 91217006

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
OBER	0.65	280.9	Sg	13:05:31.937	1.1					T__				m_e	ML 1.7
FUR	0.88	1.4	Sg	13:05:39.201	1.4					T__				m_e	ML 2.3
RJOB	1.14	66.2	Pg	13:05:32.790	1.3					T__				m_e	ML 2.0
RJOB	1.14	66.2	Sg	13:05:47.531	1.3					T__				m_e	
MOA	2.12	73.5	Sg	13:06:16.069	-1.1					T__				m_e	ML 2.1
WET	2.15	29.8	Sg	13:06:17.134	-1.2					T__				m_e	ML 2.4
BFO	2.22	299.1	Sg	13:06:18.317	-2.0					T__				m_e	
GEC2	2.26	45.6	Sg	13:06:20.251	-1.6					T__				m_e	
TANN	3.23	13.9	Sg	13:06:53.697	1.2					T__				m_e	

Event 91218007 Moers, Ruhr Coal Mining District

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/12/18	23:55:51.10	0.17	0.26	51.5845	6.5782	3.0	2.0	004	1.0f		17	8	266			m i sr	LDG	91218037
2009/12/18	23:55:51.30	0.52	0.21	51.5870	6.5870				1.0f			7	306	0.32	1.46	m i ki	BNS	91218027
2009/12/18	23:55:51.43	0.39	0.74	51.5550	6.5490	5.6	3.3	122	1.0f		16	8	175	0.44	2.39	m i ki	BGR	91218017
2009/12/18	23:55:51.00			51.5750	6.5840				1.0f				279	0.06	0.45	m i ki	BUG	91218007

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MD	2.8	0.3	2 LDG	91218037
ML	2.1	0.4	6 LDG	91218037
ML	1.5		BNS	91218027
ML	1.8	0.0	2 BGR	91218017
ML	1.8		BUG	91218007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRHE	0.06	187.7	Pg	23:55:52.000	-0.1					T__				m__	ML 1.7
BRHE	0.06	187.7	Sg	23:55:53.800	0.9					T__				m__	
LAUG	0.32	134.8	Pg	23:55:57.480	0.5					---				m_e	
WTSB	0.41	18.7	Pg	23:56:00.521	1.7					---				m_e	
WTSB	0.41	18.7	Sg	23:56:05.696	1.6					---				m_e	
BUG	0.45	107.2	Pg	23:56:00.400	1.0					TA_				m_e	ML 1.8
BUG	0.45	107.2	Sg	23:56:07.300	2.1					TA_				m__	
BNS	0.71	148.6	Pg	23:56:05.140	0.7					---				m_e	
HOBG	0.75	141.3	Pg	23:56:05.910	0.7					---				m_e	
HGN	0.91	207.0	Pg	23:56:07.744	-0.4					---				m_e	
HGN	0.91	207.0	Sg	23:56:19.830	-0.0					---				m_e	
KLL	0.94	190.6	Pg	23:56:09.270	0.5					---				m_e	
STB	0.99	170.6	Pg	23:56:10.390	0.7					---				m_e	
STB	0.99	170.6	Sg	23:56:24.470	1.9					---		21.0	0.37	m_e	
MEM	1.03	200.8	Pg	23:56:09.864	-0.6					---				m_e	
MEM	1.03	200.8	Sg	23:56:23.314	-0.5					---				m_e	
AHRW	1.08	163.2	Pg	23:56:11.974	0.6					---				m_e	ML 1.8
AHRW	1.08	163.2	Sg	23:56:27.166	1.9					---				m_e	
HILG	1.28	177.3	Pg	23:56:14.980	-0.2					---				m_e	
KOE	1.36	147.4	Pg	23:56:16.400	-0.2					---				m_e	
BGG	1.45	160.6	Pg	23:56:18.110	-0.2					---				m_e	

TNS	1.79	138.3	Pg	23:56:24.950	0.2	---	m_e
TNS	1.79	138.3	Sg	23:56:48.810	0.9	---	m_e
WLF	1.93	188.3	Pg	23:56:26.744	-0.6	---	m_e
WLF	1.93	188.3	Sg	23:56:51.105	-1.2	---	m_e
CLZ	2.36	82.0	Pg	23:56:36.710	1.2	---	m_e
CLZ	2.36	82.0	Sg	23:57:06.041	-0.0	---	m_e

Event 91221002 Austria

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/12/21	05:37:38.74	0.46	1.01	46.1650	13.3750	6.7	3.3	007	10.0f		26	15	229	0.88	5.15	m i ke	BGR	91221012
2009/12/21	05:37:35.86	0.15	0.51	46.1342	13.3645	1.2	0.8	015	9.9	1.4	49	14	132			m i uk	ZAMG	91221002

(#PRIME)

Magnitude Err Nsta Author OrigID

ML	3.3	0.3	11	BGR	91221012
ML	3.4	0.4	17	ZAMG	91221002

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
OBKA	0.90	64.9	Pg	05:37:53.057	0.2					---				m_e ML	3.1
OBKA	0.90	64.9	Sg	05:38:07.360	2.8					---				m_e	
KBA	0.94	359.2	Pg	05:37:54.429	0.7					---				m_e ML	3.0
KBA	0.94	359.2	Sg	05:38:08.846	2.9					---				m_e	
WTTA	1.64	314.2	Pn	05:38:07.050	3.1					---				m_e ML	3.2
WTTA	1.64	314.2	Sg	05:38:30.556	2.6					---				m_e	
RJOB	1.65	346.6	Pn	05:38:07.110	3.0					---				m_e ML	3.3
RJOB	1.65	346.6	Sg	05:38:31.202	2.9					---				m_e	
ARSA	1.85	52.2	Pn	05:38:09.117	2.2					---				m_e ML	2.7
ARSA	1.85	52.2	Sg	05:38:36.267	1.4					---				m_e	
OBER	2.46	302.3	Pn	05:38:19.019	3.9					---				m_e	
OBER	2.46	302.3	Sg	05:38:55.715	1.7					---				m_e	
FUR	2.48	325.8	Sg	05:38:55.381	0.8					---				m_e ML	3.5
DAVA	2.65	297.0	Pn	05:38:21.014	3.3					---				m_e	
GEC2	2.72	4.7	Pn	05:38:21.608	3.0					---				m_e ML	3.2
GEC2	2.72	4.7	Pg	05:38:27.991	0.8					---				m_e	
GEC2	2.72	4.7	Sg	05:39:04.610	2.3					---				m_e	
WET	3.03	354.0	Pn	05:38:26.310	3.5					---				m_e ML	3.2
GRA1	3.84	338.8	Pg	05:38:49.657	1.5					---				m_e ML	3.8
GRA1	3.84	338.8	Sg	05:39:39.670	1.9					---				m_e	
BFO	4.06	304.5	Pn	05:38:39.678	2.8					---				m_e ML	3.4
BFO	4.06	304.5	Sg	05:39:46.062	1.1					---				m_e	
TANN	4.32	352.3	Pn	05:38:43.338	3.0					---				m_e	
BRG	4.75	4.4	Pn	05:38:48.891	2.7					---				m_e	
CLL	5.18	357.5	Pn	05:38:55.257	3.3					---				m_e ML	3.8
CLL	5.18	357.5	Sg	05:40:22.672	2.3					---				m_e	

Event 91221003 Moers, Ruhr Coal Mining District

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/12/21	08:51:50.90	0.14	0.26	51.5904	6.5651	2.8	2.0	059	1.0f		19	11	297			m i sr	LDG	91221033

2009/12/21 08:51:51.10	0.41	0.11	51.4900	6.5570					1.0f		5	293						m i k i GDNRW	91221023
2009/12/21 08:51:52.03	0.35	0.76	51.4860	6.5350	6.7	2.2	117		1.0f	15	8	171	0.46	2.41				m i k i BGR	91221013
2009/12/21 08:51:50.90			51.4580	6.5910					1.0f			255	0.06	0.42				m i k i BUG	91221003

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.8	0.3	7 LDG	91221033
ML	2.1		GDNRW	91221023
ML	2.3	0.2	4 BGR	91221013
ML	2.0		BUG	91221003

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRHE	0.06	347.8	Pg	08:51:51.800	-0.2					T_					m_e ML 1.9
BRHE	0.06	347.8	Sg	08:51:53.100	0.3					T_					m_e
BUG	0.42	92.1	Pg	08:51:59.900	1.0					TA_					m_e ML 2.0
BUG	0.42	92.1	Sg	08:52:06.400	2.1					TA_					m_e
JCK	0.43	193.4	Pg	08:52:00.319	1.2					---					m_e
JCK	0.43	193.4	Sg	08:52:07.002	2.3					---		225.7	0.23		m_e
RWB	0.45	217.6	Pg	08:52:00.687	1.3					---					m_e
RWB	0.45	217.6	Sg	08:52:06.815	1.7					---		164.1	0.20		m_e
PLH	0.48	162.4	Pg	08:52:01.320	1.4					---					m_e
PLH	0.48	162.4	Sg	08:52:08.448	2.4					---					m_e
WTSB	0.52	14.1	Pg	08:52:01.500	0.7					---					m_e
WTSB	0.52	14.1	Sg	08:52:09.066	1.5					---					m_e
WBS	0.78	146.1	Pg	08:52:07.039	1.4					---					m_e
WBS	0.78	146.1	Sg	08:52:18.446	2.7					---		39.5	0.21		m_e
HGN	0.81	211.1	Pg	08:52:07.316	1.2					---					m_e
HGN	0.81	211.1	Sg	08:52:18.466	1.9					---					m_e
MEM	0.92	203.6	Pg	08:52:09.540	1.2					---					m_e
MEM	0.92	203.6	Sg	08:52:22.644	2.4					---					m_e
AHRW	0.97	161.4	Pg	08:52:11.403	2.3					---					m_e ML 2.2
AHRW	0.97	161.4	Sg	08:52:25.647	4.0					---					m_e
OLFT	0.97	186.4	Pg	08:52:10.591	1.4					---					m_e
OLFT	0.97	186.4	Sg	08:52:24.159	2.4					---					m_e
IBBN	1.11	39.9	Pg	08:52:12.845	1.0					---					m_e ML 2.4
IBBN	1.11	39.9	Sg	08:52:27.725	1.5					---					m_e
WLF	1.81	189.0	Pg	08:52:25.939	0.8					---					m_e ML 2.6
WLF	1.81	189.0	Sg	08:52:48.819	0.3					---					m_e
CLZ	2.38	79.2	Pg	08:52:36.808	1.1					---					m_e

Event	Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
91222001	2009/12/22	03:20:30.34	0.33	0.75	51.5090	16.0950	4.4	2.2	014	1.0f		41	16	199	0.68	3.59	m i k i	BGR	91222011

Magnitude	Err	Nsta	Author	OrigID
ML	3.2	0.4	15 BGR	91222011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KSP	0.68	169.3	Pg	03:20:43.248	0.1					T_					m_e ML 2.4
KSP	0.68	169.3	Sg	03:20:52.719	0.9					T_					m_e
DPC	1.17	172.9	Pg	03:20:52.046	-0.3					T_					m_e ML 3.3

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BAHL	0.12	8.4	Pg	14:55:51.800	0.5					T__				m_e	ML 2.0
BAHL	0.12	8.4	Sg	14:55:53.800	0.9					T__				m_e	
BUG	0.37	241.9	Pg	14:55:57.000	1.0					TA_				m_e	ML 1.9
BUG	0.37	241.9	Sg	14:56:02.800	2.0					TA_				m_e	
IBBN	0.69	358.3	Sg	14:56:12.619	1.7					___				m_e	ML 2.1
HOBG	0.69	204.6	Pg	14:56:04.450	2.4					___				m_e	
WTSB	0.71	300.1	Pg	14:56:03.803	1.5					___				m_e	
WTSB	0.71	300.1	Sg	14:56:13.370	1.9					___				m_e	
AHRW	1.17	203.0	Pg	14:56:13.036	2.1					___				m_e	ML 2.0
AHRW	1.17	203.0	Sg	14:56:28.933	2.9					___				m_e	
STB	1.18	210.7	Pg	14:56:12.660	1.3					___				m_e	
STB	1.18	210.7	Sg	14:56:29.250	2.6					___		30.2	0.54	m_e	
KOE	1.19	181.9	Pg	14:56:12.380	0.9					___				m_e	
KLL	1.34	224.4	Pg	14:56:14.570	0.3					___				m_e	
DREG	1.37	226.4	Pg	14:56:15.260	0.5					___				m_e	
HGN	1.44	234.6	Sg	14:56:35.476	0.6					___				m_e	
TNS	1.45	163.3	Pg	14:56:17.604	1.2					___				m_e	ML 2.1
TNS	1.45	163.3	Sg	14:56:35.344	0.2					___				m_e	
HILG	1.50	208.4	Pg	14:56:17.160	-0.1					___				m_e	
MEM	1.51	228.8	Sg	14:56:37.384	0.5					___				m_e	
CLZ	1.61	80.9	Sg	14:56:41.927	1.7					___				m_e	ML 2.1

Event 91227001 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/12/27	00:31:11.77	0.31	0.69	51.5090	16.1440	4.4	2.2	016	1.0f		48	25	200	0.67	3.61	m i ki	BGR	91227011

Magnitude Err Nsta Author OrigID
ML 3.7 0.4 18 BGR 91227011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KSP	0.67	171.9	Pg	00:31:24.754	0.3					T__				m_e	ML 2.8
KSP	0.67	171.9	Sg	00:31:33.815	0.7					T__				m_e	
DPC	1.16	174.4	Pg	00:31:33.594	-0.1					T__				m_e	ML 3.5
DPC	1.16	174.4	Sg	00:31:48.775	0.0					T__				m_e	
BRG	1.52	246.1	Pn	00:31:38.515	-0.8					T__				m_e	ML 3.7
BRG	1.52	246.1	Sg	00:32:00.516	0.5					T__				m_e	
FBE	1.84	252.5	Pn	00:31:43.470	-0.2					T__				m_e	ML 2.9
FBE	1.84	252.5	Pg	00:31:45.856	-0.7					T__				m_e	
FBE	1.84	252.5	Sg	00:32:10.552	0.2					T__				m_e	
MORC	1.95	152.3	Pn	00:31:44.992	-0.1					T__				m_e	ML 3.1
CLL	1.97	265.4	Pn	00:31:44.884	-0.5					T__				m_e	ML 3.6
CLL	1.97	265.4	Pg	00:31:48.468	-0.4					T__				m_e	
CLL	1.97	265.4	Sg	00:32:14.360	0.0					T__				m_e	
OKC	2.10	142.0	Pn	00:31:46.538	-0.6					T__				m_e	ML 3.6
OKC	2.10	142.0	Sg	00:32:17.849	-0.6					T__				m_e	
SCHF	2.49	252.0	Pn	00:31:52.698	0.2					T__				m_e	ML 3.9
SCHF	2.49	252.0	Sg	00:32:31.119	0.2					T__				m_e	
HKWD	2.52	255.9	Pn	00:31:52.982	0.1					T__				m_e	ML 3.9
HKWD	2.52	255.9	Pg	00:31:58.244	-1.1					T__				m_e	
HKWD	2.52	255.9	Sg	00:32:32.016	0.1					T__				m_e	

FUR	2.26	287.2	Sg	18:14:08.647	1.0	---	m_e		
OBER	2.85	268.9	Sg	18:14:26.972	0.4	---	m_e ML	2.6	
GRA1	3.06	315.9	Pg	18:13:54.021	0.5	---	m_e ML	2.4	
GRA1	3.06	315.9	Sg	18:14:33.081	0.0	---	m_e		
DAVA	3.14	267.1	Sg	18:14:37.023	1.2	---	m_e ML	2.5	
TANN	3.17	335.7	Sg	18:14:36.042	-0.7	---	m_e ML	2.4	

Event 91228004 Seetaler Alps/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/12/28	16:57:44.40	0.30	0.68	47.1980	14.5150	3.3	2.2	065	10.0f		19	14	099	0.67	3.56	m i ke	BGR	91228014
2009/12/28	16:57:43.85	0.23	0.57	47.1679	14.4965	1.8	1.5	151	6.0	0.0	18	7	060			m i fe	ZAMG	91228004

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.0	0.4	13 BGR	91228014
ML	1.9	0.1	7 ZAMG	91228004

Effects	Loctyp	Location	Intensity	Scale	Author
F	Summar		3.0-	4.0 EMS	ZAMG

(Felt)

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
OBKA	0.66	176.9	Pg	16:57:57.948	1.6					---				m_e ML	1.8
OBKA	0.66	176.9	Sg	16:58:06.566	1.7					---				m_e	
MOA	0.70	347.2	Pg	16:57:58.128	1.1					---				m_e ML	1.4
MOA	0.70	347.2	Sg	16:58:06.082	-0.0					---				m_e	
ARSA	0.70	82.9	Pg	16:57:57.281	0.2					---				m_e ML	1.3
ARSA	0.70	82.9	Sg	16:58:06.265	0.0					---				m_e	
KBA	0.79	263.9	Pg	16:57:59.817	1.1					---				m_e ML	1.6
KBA	0.79	263.9	Sg	16:58:09.550	0.6					---				m_e	
RJOB	1.28	297.0	Pg	16:58:09.892	1.8					---				m_e ML	2.0
GEC2	1.76	342.7	Pg	16:58:16.876	-0.2					---				m_e ML	2.0
GEC2	1.76	342.7	Sg	16:58:39.465	-0.3					---				m_e	
WET	2.25	332.0	Sg	16:58:56.296	0.9					---				m_e ML	2.0
ROTZ	3.01	330.6	Sg	16:59:18.513	-1.0					---				m_e ML	2.0
DAVA	3.14	273.9	Sg	16:59:24.448	0.9					---				m_e ML	2.7
MANZ	3.23	331.6	Pn	16:58:32.018	-2.0					---				m_e	
GRA1	3.33	320.5	Sg	16:59:29.768	0.1					---				m_e ML	2.4
WERN	3.42	336.6	Sg	16:59:31.654	-0.8					---				m_e ML	2.4
TANN	3.51	338.3	Sg	16:59:35.333	-0.1					---				m_e ML	2.2
WERD	3.58	337.1	Sg	16:59:38.149	0.5					---				m_e ML	2.7

Event 91228005 Moers, Ruhr Coal Mining District

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/12/28	19:04:49.00	0.05	0.22	51.4767	6.5716	1.1	0.8	149	1.0f		85	26	153			m i sr	LDG	91228045
2009/12/28	19:04:48.10	0.77	0.21	51.5160	6.5710				1.1	13.7		9	294	0.29	1.40	m i ki	BNS	91228035
2009/12/28	19:04:47.90	0.50	0.11	51.5050	6.5930				1.0f			10	263			m i ki	GDNRW	91228025
2009/12/28	19:04:48.84	0.52	0.84	51.4750	6.5760	7.8	3.3	124	1.0f		19	12	198	0.43	3.96	m i ki	BGR	91228015

2009/12/28 19:04:47.90
(#PRIME)

51.4390 6.5910

1.0f

261 0.08 0.42 m i ki BUG

91228005

Magnitude	Err	Nsta	Author	OrigID
ML	3.1	0.4	22 LDG	91228045
ML	2.6		BNS	91228035
ML	2.4		GDNRW	91228025
ML	2.6	0.2	6 BGR	91228015
ML	2.4		BUG	91228005

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BRHE	0.08	350.8	Pg	19:04:48.800	-0.6					T_				m_e	ML	2.2
BRHE	0.08	350.8	Sg	19:04:50.000	-0.4					T_				m_e		
LAUG	0.24	111.6	Pg	19:04:53.630	1.3									m_e		
JCK	0.42	194.0	Pg	19:04:57.613	1.9									m_e		
JCK	0.42	194.0	Sg	19:05:04.229	3.1							349.7	0.29	m_e		
BUG	0.42	89.5	Pg	19:04:56.800	0.9					TA_				m_e	ML	2.4
BUG	0.42	89.5	Sg	19:05:03.300	2.0					TA_				m_e		
RWB	0.43	219.1	Sg	19:05:04.427	2.7							327.1	0.23	m_e		
PLH	0.46	161.7	Pg	19:04:58.307	1.8									m_e		
PLH	0.46	161.7	Sg	19:05:05.320	2.9							304.6	0.25	m_e		
ENTS	0.55	110.8	Pg	19:04:59.487	1.2									m_e		
ENTS	0.55	110.8	Sg	19:05:07.285	1.9									m_e		
BNS	0.60	142.1	Pg	19:05:01.060	1.9									m_e		
HOBG	0.65	134.1	Pg	19:05:01.810	1.6									m_e		
GSH	0.72	190.8	Pg	19:05:03.000	1.6									m_e		
GSH	0.72	190.8	Sg	19:05:14.147	3.5							88.2	0.19	m_e		
WBS	0.77	145.3	Pg	19:05:04.073	1.7									m_e		
WBS	0.77	145.3	Sg	19:05:15.082	2.8							88.2	0.30	m_e		
DREG	0.81	196.3	Pg	19:05:04.600	1.5									m_e		
KLL	0.81	192.6	Pg	19:05:04.660	1.5									m_e		
STB	0.86	169.4	Pg	19:05:06.190	2.1									m_e		
STB	0.86	169.4	Sg	19:05:19.270	4.1							128.3	0.43	m_e		
TDN	0.89	165.4	Sg	19:05:19.415	3.2							59.6	0.20	m_e		
MEM	0.91	204.1	Pg	19:05:06.398	1.4									m_e		
MEM	0.91	204.1	Sg	19:05:19.300	2.6									m_e		
AHRW	0.95	161.0	Pg	19:05:07.706	1.9									m_e	ML	2.4
AHRW	0.95	161.0	Sg	19:05:21.702	3.7									m_e		
OLFT	0.95	186.6	Pg	19:05:07.349	1.5									m_e		
OLFT	0.95	186.6	Sg	19:05:21.562	3.4									m_e		
IBBN	1.13	39.3	Pg	19:05:09.741	0.6									m_e	ML	2.7
IBBN	1.13	39.3	Sg	19:05:24.826	1.1									m_e		
BHE	1.15	160.9	Pg	19:05:11.255	1.7									m_e		
BHE	1.15	160.9	Sg	19:05:27.223	2.9									m_e		
HILG	1.15	177.2	Pg	19:05:11.030	1.5									m_e		
KOE	1.24	144.2	Pg	19:05:12.550	1.2									m_e		
LOH	1.26	181.6	Pg	19:05:12.923	1.3									m_e		
LOH	1.26	181.6	Sg	19:05:30.600	2.8							45.8	0.19	m_e		
BGG	1.32	158.8	Pg	19:05:13.560	0.8									m_e		
TNS	1.69	135.3	Pn	19:05:18.792	1.0									m_e	ML	2.6
TNS	1.69	135.3	Pg	19:05:21.056	1.3									m_e		
WLF	1.80	189.1	Pg	19:05:22.879	1.1									m_e	ML	2.8
WLF	1.80	189.1	Sg	19:05:45.861	0.9									m_e		
CLZ	2.38	78.8	Pg	19:05:32.498	-0.3									m_e	ML	2.8

BFO	3.30	159.5	Pn	19:05:41.195	1.5	---	m_e
GRA1	3.42	118.9	Pn	19:05:43.120	1.9	---	m_e
WERN	3.83	105.2	Pn	19:05:48.508	1.8	---	m_e
WERN	3.83	105.2	Pg	19:05:59.655	-0.4	---	m_e
TANN	3.84	103.2	Pn	19:05:49.106	2.2	---	m_e
ROTZ	3.94	112.9	Pg	19:06:03.128	1.1	---	m_e

Event 91229004 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/12/29	18:51:43.61	0.38	0.63	51.4680	16.1460	4.4	2.2	018	1.0f		31	15	199	0.63	3.60	m i ki	BGR	91229044

Magnitude	Err	Nsta	Author	OrigID
ML	3.3	0.3	14 BGR	91229044

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KSP	0.63	171.5	Pg	18:51:55.979	0.5					T_				m_e ML	2.6
KSP	0.63	171.5	Sg	18:52:02.995	-0.7					T_				m_e	
DPC	1.12	174.3	Pg	18:52:04.774	-0.0					T_				m_e ML	3.5
DPC	1.12	174.3	Sg	18:52:20.559	1.3					T_				m_e	
BRG	1.50	247.6	Pn	18:52:09.702	-1.3					T_				m_e ML	3.3
BRG	1.50	247.6	Sg	18:52:31.927	0.5					T_				m_e	
FBE	1.83	253.7	Pn	18:52:14.522	-0.9					T_				m_e ML	3.1
FBE	1.83	253.7	Sg	18:52:41.665	-0.2					T_				m_e	
MORC	1.91	151.8	Pn	18:52:16.321	-0.1					T_				m_e ML	3.1
MORC	1.91	151.8	Sg	18:52:43.970	-0.3					T_				m_e	
CLL	1.97	266.6	Pn	18:52:16.025	-1.2					T_				m_e ML	3.3
CLL	1.97	266.6	Sg	18:52:45.611	-0.5					T_				m_e	
OKC	2.07	141.3	Pn	18:52:17.846	-0.7					T_				m_e ML	3.3
OKC	2.07	141.3	Sg	18:52:49.614	0.4					T_				m_e	
TANN	2.55	247.0	Pn	18:52:25.123	0.0					T_				m_e ML	3.6
TANN	2.55	247.0	Sg	18:53:04.412	-0.2					T_				m_e	
OJC	2.62	117.0	Pn	18:52:26.358	0.2					T_				m_e ML	3.5
OJC	2.62	117.0	Sg	18:53:07.119	0.2					T_				m_e	
WERD	2.62	248.6	Pn	18:52:26.046	-0.1					T_				m_e ML	3.3
WERD	2.62	248.6	Sg	18:53:07.699	0.7					T_				m_e	
MANZ	2.95	241.5	Pn	18:52:30.857	0.2					T_				m_e	
MANZ	2.95	241.5	Pg	18:52:39.621	0.3					T_				m_e	
ROTZ	3.02	237.3	Pn	18:52:32.015	0.5					T_				m_e ML	3.3
ROTZ	3.02	237.3	Sg	18:53:19.102	-0.5					T_				m_e	
GEC2	3.05	211.8	Pn	18:52:32.357	0.4					T_				m_e ML	3.3
GEC2	3.05	211.8	Sg	18:53:20.185	-0.5					T_				m_e	
GRA1	3.59	242.3	Pn	18:52:39.772	0.5					T_				m_e ML	3.9
GRA1	3.59	242.3	Pg	18:52:51.714	0.3					T_				m_e	
GRA1	3.59	242.3	Sg	18:53:38.784	1.0					T_				m_e	
CLZ	3.60	278.2	Pn	18:52:39.642	0.3					T_				m_e ML	3.6
CLZ	3.60	278.2	Sg	18:53:39.660	1.7					T_				m_e	

Event 91231001 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2009/12/31	01:03:05.58	0.35	0.88	50.3190	18.8180	6.7	3.3	007	1.0f		17	11	170	0.63	4.15	m i ki	BGR	91231041

Magnitude	Err	Nsta	Author	OrigID
ML	3.1	0.3	11 BGR	91231041

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
OJC	0.63	98.6	Pg	01:03:17.076	-0.5					T__				m_e ML	2.8
OJC	0.63	98.6	Sg	01:03:25.363	-0.4					T__				m_e	
OKC	0.65	222.1	Pg	01:03:17.401	-0.4					T__				m_e ML	2.6
OKC	0.65	222.1	Sg	01:03:26.837	0.7					T__				m_e	
MORC	0.98	237.0	Pg	01:03:23.363	-0.7					T__				m_e ML	2.9
MORC	0.98	237.0	Sg	01:03:36.338	-0.4					T__				m_e	
DPC	1.59	272.1	Pg	01:03:34.248	-1.4					T__				m_e ML	3.4
DPC	1.59	272.1	Sg	01:03:55.822	-0.4					T__				m_e	
KSP	1.69	289.1	Pn	01:03:35.581	0.2					T__				m_e ML	3.0
KSP	1.69	289.1	Pg	01:03:37.554	0.2					T__				m_e	
BRG	3.14	282.0	Pn	01:03:57.007	1.9					T__				m_e ML	3.2
BRG	3.14	282.0	Sg	01:04:45.068	-0.4					T__				m_e	
FBE	3.52	282.0	Sg	01:04:57.303	-0.0					T__				m_e ML	2.7
GEC2	3.63	248.0	Pn	01:04:02.888	1.2					T__				m_e ML	3.5
CLL	3.80	287.3	Sg	01:05:06.551	0.1					T__				m_e ML	3.6
TANN	4.05	273.8	Pn	01:04:08.055	0.6					T__				m_e ML	3.4
WERD	4.15	274.3	Sg	01:05:16.161	-1.3					T__				m_e ML	3.4

DATA_TYPE ARRIVAL: REVIEWED IMS1.0

Net	Sta	Chan	Aux	Date	Time	Phase	Azim	Slow	SNR	Amp	Per	Qual	Author	ArrID
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