

DATA\_TYPE BULLETIN IMS1.0

BGR Bulletin for Germany and adjacent areas

Event 70702001 Koblenz/Middle Rhine Area

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2007/07/02	00:30:16.50	0.17	0.48	50.3186	7.3425	2.9	1.7	014	2.0	0.0	36	13	218			m i ke	LDG	70702031
2007/07/02	00:30:18.30	3.30	1.02	50.2600	7.3700	34.0	21.0	341	10.0f		19	11	278	0.40	3.14	m i ke	LED	70702021
2007/07/02	00:30:15.38	0.28	0.88	50.3580	7.4210	4.4	3.3	166	10.0f		16	11	072	1.03	3.65	m i ke	BGR	70702011
2007/07/02	00:30:16.90	1.09	0.31	50.3910	7.3810				2.1	29.8	17	9	107	0.19	1.07	m i ke	BNS	70702001

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.9		LDG	70702031
ML	2.5		LED	70702021
ML	2.4	0.3	11 BGR	70702011
ML	2.2		BNS	70702001

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BGG	0.19	188.6	Pg	00:30:20.610	0.2					T__				mci	
BGG	0.19	188.6	Sg	00:30:23.030	0.2					T__		820.8	0.12	m_i	
KOE	0.23	81.1	Pg	00:30:21.590	0.4					T__				mdi	
KOE	0.23	81.1	Sg	00:30:24.620	0.5					T__		274.2	0.17	m_e	
STB	0.40	300.7	Pg	00:30:24.400	-0.0					T__				m_e	
STB	0.40	300.7	Sg	00:30:30.000	0.4					T__		137.3	0.11	m_e	
HILG	0.46	257.8	Pg	00:30:25.490	-0.1					T__				mce	
HILG	0.46	257.8	Sg	00:30:32.160	0.7					T__		126.0	0.40	m_i	
ABH	0.52	168.1	P*	00:30:26.340						___				mc_	
BNS	0.59	347.3	Pg	00:30:28.400	0.4					T__				m_e	
HOBG	0.59	357.1	Pg	00:30:28.380	0.3					T__				mce	
HOBG	0.59	357.1	Sg	00:30:35.530	-0.2					T__		175.5	0.23	m_e	
RUP	0.72	196.8	P*	00:30:29.670						___				m__	
KLL	0.73	291.0	Pg	00:30:30.560	-0.0					T__				mce	
KLL	0.73	291.0	Sg	00:30:41.110	1.1					T__		40.9	0.25	m_e	
DREG	0.78	290.9	Pg	00:30:31.710	0.1					T__				mce	
DREG	0.78	290.9	Sg	00:30:41.710	0.1					T__		91.0	0.58	m_e	
HGN	0.99	292.6	Pg	00:30:35.106	-0.5					___	24.1			m_e	
HGN	0.99	292.6	Sg	00:30:48.181	-0.3					___				m_e	
RODG	1.07	315.2	Pg	00:30:37.280	0.2					T__				m_e	
RODG	1.07	315.2	Sg	00:30:51.270	0.4					T__		108.3	0.26	m_e	
WLF	1.07	227.8	Pg	00:30:35.280	-1.8					___	9.3			m_e	ML 2.0
WLF	1.07	227.8	Sg	00:30:48.765	-2.2					___				m_e	
KTD	1.16	156.8	S	00:30:52.180						___				m__	
TOD	1.21	130.1	P	00:30:37.980						___				m__	
TOD	1.21	130.1	Sg	00:30:54.170	-1.0					___				m__	
LANF	1.44	168.8	P	00:30:42.590						___				m__	
LANF	1.44	168.8	Sg	00:31:01.080	-1.5					___				m__	
UBBA	1.72	74.6	Pg	00:30:47.646	-1.6					___	3.4			m_e	ML 2.2
UBBA	1.72	74.6	Sg	00:31:08.619	-2.8					___				m_e	
SIND	1.77	125.2	P	00:30:45.920						___				m__	ML 2.6
SIND	1.77	125.2	Pg	00:30:49.330	-1.0					___				m__	
SIND	1.77	125.2	Sg	00:31:12.320	-0.9					___				m__	
IBBN	1.93	6.9	Sg	00:31:17.783	-0.4					___				m_e	ML 2.5
LBG	1.96	151.5	P	00:30:48.530						___				m__	ML 2.3
LBG	1.96	151.5	Sg	00:31:15.390	-3.6					___				m__	

GTTG	1.99	53.7	Sg	00:31:20.803	0.5	---	m_e	ML	2.7	
STU	2.00	143.4	Sg	00:31:17.818	-2.7	---	m_e	ML	2.4	
BFO	2.15	163.0	Pg	00:30:56.287	-1.2	---	2.9	m_e	ML	2.3
BFO	2.15	163.0	Sg	00:31:22.595	-2.7	---	m_e			
BUCH	2.33	145.8	P	00:30:54.350		---	m_	ML	2.5	
BUCH	2.33	145.8	Pg	00:30:59.860	-0.9	---	m_			
BUCH	2.33	145.8	Sg	00:31:28.240	-2.6	---	m_			
THEF	2.34	203.2	Pg	00:30:58.170	-2.9	---	m_			
CLZ	2.37	51.2	Pg	00:31:00.348	-1.3	---	m_e	ML	2.6	
CLZ	2.37	51.2	Sg	00:31:31.842	-0.4	---	m_e			
KIZ	2.46	171.6	Pg	00:31:00.670	-2.6	---	m_	ML	2.4	
KIZ	2.46	171.6	Sg	00:31:32.540	-2.5	---	m_			
FELD	2.55	170.6	Pg	00:31:03.350	-1.6	---	m_			
FELD	2.55	170.6	Sg	00:31:36.630	-1.2	---	m_			
GRA1	2.56	104.3	Pg	00:31:04.118	-1.1	---	2.1	m_e		
GRA1	2.56	104.3	Sg	00:31:37.168	-1.2	---	m_e			
GUT	2.58	153.3	P	00:30:56.540		---	m_	ML	2.5	
GUT	2.58	153.3	S	00:31:26.020		---	m_			
MOX	2.70	83.0	Pg	00:31:05.500	-2.4	---	m_e	ML	2.3	
MOX	2.70	83.0	Sg	00:31:39.844	-3.0	---	m_e			
WERD	3.14	87.1	Sg	00:31:53.615	-3.0	---	m_e	ML	2.5	
GUNZ	3.16	88.6	Sg	00:31:55.104	-2.1	---	m_e	ML	2.5	
UBR	3.25	145.6	Sg	00:31:58.160	-1.9	---	m_	ML	2.3	
CLL	3.66	73.3	Sg	00:32:10.337	-3.0	---	m_e	ML	2.7	

Event 938441 Epinal-N/F, Rambervillers

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2007/07/02	15:10:17.30	0.12	0.37	48.3204	6.6619	2.2	1.6	010	11.0f		24	10	145				m i ke LDG	938461

Magnitude Err Nsta Author OrigID

ML	2.1		LDG	938461
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	1.11	88.9	Sg	15:10:52.833	0.2					---	4.3			m_e	

Event 70703001 Hemmersdorf, W of Saarlouis, French-German border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2007/07/03	06:15:11.10	0.10	0.51	49.3752	6.8559	1.8	1.6	166	1.0f		35	14	101			m i si LDG	70703011	
2007/07/03	06:15:10.70	1.02	0.52	49.2010	6.6550	48.9	4.4	045	1.0f		5	3	197	0.57	4.63	m i ki BGR	70703001	

(#PRIME)

Magnitude Err Nsta Author OrigID

ML	3.0		LDG	70703011
ML	1.8	0.1	2 BGR	70703001

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
WLF	0.57	325.0	Pg	06:15:21.422	0.0					T_	3.1			m_e	ML	1.8
WLF	0.57	325.0	Sg	06:15:28.497	-0.2					T_				m_e		

BFO	1.41	127.6	Pg	06:15:37.994	0.8	T__	4.5	m_e	ML	1.9
BFO	1.41	127.6	Sg	06:15:54.684	-0.7	T__		m_e		
GEC2	4.63	91.7	Pn	06:16:20.690	0.2	T__	3.4	m_e		

Event 70703303 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2007/07/03	15:56:36.58	0.45		51.4840	16.1650	6.7	3.3	017	1.0f		25	16	211	0.65	3.61	m i ki	BGR	70703303

Magnitude	Err	Nsta	Author	OrigID
ML	3.5		BGR	70703303

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KSP	0.65	172.8	Pg	15:56:49.957	1.2					T__				m_e	ML 2.7
KSP	0.65	172.8	Sg	15:56:55.464	-1.6					T__				m_e	
DPC	1.14	174.9	Pn	15:56:58.738	-0.2					T__				m_e	
DPC	1.14	174.9	Sg	15:57:13.440	0.7					T__				m_e	
BRG	1.52	247.2	Pn	15:57:04.168	0.0					T__				m_e	ML 3.4
BRG	1.52	247.2	Sg	15:57:25.498	0.6					T__				m_e	
FBE	1.85	253.4	Pn	15:57:09.867	1.3					T__				m_e	ML 3.2
FBE	1.85	253.4	Sg	15:57:36.633	1.3					T__				m_e	
MORC	1.92	152.4	Pn	15:57:10.714	1.2					T__				m_e	ML 3.1
CLL	1.98	266.1	Pn	15:57:10.535	0.2					T__				m_e	ML 3.4
CLL	1.98	266.1	Pg	15:57:14.000	0.1					___				m_e	
CLL	1.98	266.1	Sg	15:57:40.295	0.8					T__				m_e	
OKC	2.07	141.9	Pn	15:57:12.224	0.6					T__				m_e	
OKC	2.07	141.9	Sg	15:57:43.013	0.6					T__				m_e	
TANN	2.57	246.8	Pn	15:57:19.340	1.0					T__				m_e	ML 3.6
TANN	2.57	246.8	Sg	15:57:56.734	-1.4					T__				m_e	
OJC	2.62	117.4	Pn	15:57:18.974	-0.1					T__				m_e	ML 3.6
WERD	2.64	248.4	Pn	15:57:19.878	0.5					T__				m_e	ML 3.5
WERD	2.64	248.4	Sg	15:57:59.815	-0.7					T__				m_e	
MGBB	2.92	240.4	Pn	15:57:24.300	1.2					___				mdi	ML 3.0
MANZ	2.97	241.3	Pn	15:57:25.030	1.2					T__				m_e	ML 3.7
MOX	2.98	255.4	Pn	15:57:24.732	0.8					T__				m_e	ML 3.8
MOX	2.98	255.4	Pg	15:57:33.300	0.6					___				m_e	
MOX	2.98	255.4	Sg	15:58:12.800	1.6					___				m_e	
ROTZ	3.04	237.2	Pn	15:57:26.333	1.6					T__				m_e	ML 3.5
GEC2	3.07	211.8	Pn	15:57:26.813	1.6					T__				m_e	
WET	3.14	223.2	Pn	15:57:27.501	1.4					T__				m_e	ML 3.5
GRA1	3.61	242.2	Pn	15:57:34.164	1.7					T__				m_e	ML 4.0
GRA1	3.61	242.2	Sg	15:58:31.907	0.6					T__				m_e	
HROE	3.90	258.3	Pn	15:57:37.600	1.3					___				mdi	ML 3.6

Event 70704308 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2007/07/04	18:45:59.08	0.42		51.6120	16.1350	5.6	2.2	017	1.0f		29	17	203	0.78	3.66	m i ki	BGR	70704308

Magnitude	Err	Nsta	Author	OrigID
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ML 3.7 BGR 70704308

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KSP	0.78	172.6	Pg	18:46:14.244	0.6					T__				m_e	ML 3.0
KSP	0.78	172.6	Sg	18:46:23.937	0.2					T__				m_e	
DPC	1.27	174.6	Pg	18:46:23.052	0.1					T__				m_e	
DPC	1.27	174.6	Sg	18:46:39.463	0.1					T__				m_e	
BRG	1.56	242.6	Pn	18:46:26.989	-0.2					T__				m_e	ML 3.7
BRG	1.56	242.6	Sg	18:46:48.509	-0.1					T__				m_e	
FBE	1.87	249.4	Pn	18:46:32.335	0.9					T__				m_e	ML 3.4
FBE	1.87	249.4	Sg	18:46:59.470	0.9					T__				m_e	
CLL	1.98	262.4	Pn	18:46:33.012	0.2					T__				m_e	ML 3.6
CLL	1.98	262.4	Pg	18:46:36.000	-0.3					___				m_e	
CLL	1.98	262.4	Sg	18:47:02.061	0.2					T__				m_e	
MORC	2.04	153.5	Pn	18:46:34.476	0.8					T__				m_e	ML 3.3
OKC	2.18	143.5	Pn	18:46:36.210	0.6					T__				m_e	
OKC	2.18	143.5	Sg	18:47:08.396	-0.1					T__				m_e	
TANN	2.60	244.1	Pn	18:46:42.200	0.9					T__				m_e	ML 3.8
TANN	2.60	244.1	Sg	18:47:20.263	-1.5					T__				m_e	
WERD	2.67	245.7	Pn	18:46:42.967	0.7					T__				m_e	ML 3.6
WERD	2.67	245.7	Sg	18:47:24.017	-0.0					T__				m_e	
OJC	2.70	119.7	Pn	18:46:42.808	0.2					T__				m_e	ML 3.7
MGBB	2.97	238.0	Pn	18:46:47.200	0.9					___				mdi	ML 3.4
MOX	3.00	252.9	Pn	18:46:47.267	0.6					T__				m_e	ML 4.1
MOX	3.00	252.9	Pg	18:46:55.900	0.4					___				m_e	
MOX	3.00	252.9	Sg	18:47:35.488	1.2					T__				m_e	
MANZ	3.02	239.0	Pn	18:46:47.925	1.0					T__				m_e	ML 3.8
MANZ	3.02	239.0	Sg	18:47:36.345	1.3					T__				m_e	
ROTZ	3.10	235.0	Pn	18:46:49.095	1.1					T__				m_e	ML 3.7
GEC2	3.17	210.3	Pn	18:46:49.867	0.8					T__				m_e	ML 3.8
WET	3.22	221.3	Pn	18:46:50.500	0.7					T__				m_e	ML 3.7
CLZ	3.58	275.9	Pn	18:46:56.546	2.0					T__				m_e	ML 3.6
CLZ	3.58	275.9	Sg	18:47:54.190	1.5					T__		781.8	3.74	m_e	
GRA1	3.66	240.3	Pn	18:46:57.017	1.4					T__				m_e	ML 4.3
GRA1	3.66	240.3	Sg	18:47:54.009	-1.3					T__	105603.1	21.89		m_e	
HROE	3.91	256.4	Pn	18:47:00.100	1.1					___				mdi	ML 3.7

Event 939592 Weil a. Rhein/Basel, Swiss-German-French border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2007/07/06	21:04:45.90	0.07	0.26	47.5769	7.5927	1.2	0.9	099	9.0f		25	10	153			m i ke	LDG	939602
2007/07/06	21:04:46.00			47.5800	7.6090				5.0							m i ki	SED	939592

(#PRIME)

(corelated to Deep Heat Mining Project in Basel, Switzerland)

Magnitude	Err	Nsta	Author	OrigID
ML	2.2		LDG	939602
ML	1.6		SED	939592

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	0.89	32.5	Pg	21:05:03.237	0.4					___	6.6			m_e	
BFO	0.89	32.5	Sg	21:05:15.378	1.0					___	4.4			m_e	

## Event 70707302 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2007/07/07	03:36:38.70	0.41		51.5940	16.1470	5.6	3.3	010	1.0f		28	17	203	0.76	3.66	m i ki	BGR	70707302

Magnitude	Err	Nsta	Author	OrigID
ML	3.8		BGR	70707302

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KSP	0.76	173.0	Pg	03:36:53.210	0.3					T__				m_e ML	3.0
KSP	0.76	173.0	Sg	03:37:02.631	-0.1					T__				m_e	
DPC	1.25	174.9	Pg	03:37:01.995	-0.2					T__				m_e ML	3.2
DPC	1.25	174.9	Sg	03:37:17.683	-0.7					T__				m_e	
BRG	1.56	243.3	Pn	03:37:06.378	-0.4					T__				m_e ML	3.7
BRG	1.56	243.3	Sg	03:37:28.294	0.1					T__				m_e	
FBE	1.87	250.0	Pn	03:37:12.632	1.6					T__				m_e ML	3.6
FBE	1.87	250.0	Sg	03:37:39.840	1.6					T__				m_e	
CLL	1.98	262.9	Pn	03:37:12.562	0.1					T__				m_e ML	3.6
CLL	1.98	262.9	Pg	03:37:16.100	0.1					__				m_i	
CLL	1.98	262.9	Sg	03:37:42.379	0.8					T__				m_e	
MORC	2.02	153.5	Pn	03:37:13.457	0.4					T__				m_e ML	3.3
OKC	2.17	143.4	Pn	03:37:15.039	0.0					T__				m_e ML	4.0
TANN	2.60	244.5	Pn	03:37:21.706	0.8					T__				m_e ML	3.9
TANN	2.60	244.5	Sg	03:38:01.107	-0.2					T__				m_e	
WERD	2.67	246.1	Pn	03:37:22.564	0.7					T__				m_e ML	3.8
WERD	2.67	246.1	Sg	03:38:02.164	-1.5					T__				m_e	
OJC	2.68	119.4	Pn	03:37:21.980	-0.0					T__				m_e ML	3.8
OJC	2.68	119.4	Sg	03:38:05.765	1.9					T__				m_e	
MGBB	2.97	238.4	Pn	03:37:26.800	0.9					__				mdi ML	3.7
MOX	3.00	253.3	Pn	03:37:26.877	0.6					T__				m_e ML	4.3
MOX	3.00	253.3	Pg	03:37:35.700	0.5					__				m_e	
MOX	3.00	253.3	Sg	03:38:15.471	1.5					T__				m_e	
MANZ	3.02	239.4	Pn	03:37:27.644	1.1					T__				m_e ML	4.0
MANZ	3.02	239.4	Sg	03:38:14.582	0.0					T__				m_e	
ROTZ	3.09	235.3	Pn	03:37:28.520	0.9					T__				m_e ML	3.8
GEC2	3.16	210.6	Pn	03:37:29.224	0.7					T__				m_e ML	3.9
WET	3.22	221.7	Pn	03:37:30.008	0.7					T__				m_e ML	3.7
CLZ	3.59	276.2	Pn	03:37:36.201	1.9					T__				m_e ML	3.9
GRA1	3.66	240.6	Pn	03:37:36.449	1.2					T__				m_e ML	4.4
GRA1	3.66	240.6	Sg	03:38:35.750	0.9					T__				m_e	
HROE	3.91	256.7	Pn	03:37:39.800	1.2					__				mdi ML	3.9

## Event 70707303 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2007/07/07	04:11:16.89	0.49		51.5470	16.1590	6.7	2.2	009	1.0f		23	16	214	0.71	3.64	m i ki	BGR	70707303

Magnitude	Err	Nsta	Author	OrigID
ML	3.2		BGR	70707303

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KSP	0.71	173.1	Pg	04:11:30.231	-0.0					T__				m_e	ML 2.5
KSP	0.71	173.1	Sg	04:11:38.780	-0.6					T__				m_e	
DPC	1.20	175.0	Pg	04:11:39.015	-0.5					T__				m_e	ML 2.8
BRG	1.54	245.0	Pn	04:11:45.256	0.5					T__				m_e	ML 3.0
BRG	1.54	245.0	Sg	04:12:06.086	0.2					T__				m_e	
FBE	1.86	251.5	Sg	04:12:17.586	1.5					T__				m_e	ML 2.9
MORC	1.98	153.1	Pn	04:11:50.807	0.2					T__				m_e	ML 2.9
CLL	1.98	264.3	Pn	04:11:50.862	0.1					T__				m_e	ML 2.9
CLL	1.98	264.3	Pg	04:11:53.000	-1.2					---				m_e	
CLL	1.98	264.3	Sg	04:12:20.898	1.0					T__				m_e	
OKC	2.12	142.8	Pn	04:11:52.427	-0.2					T__				m_e	ML 3.5
OKC	2.12	142.8	Sg	04:12:23.924	-0.4					T__				m_e	
TANN	2.59	245.5	Pn	04:11:59.924	1.0					T__				m_e	ML 3.3
OJC	2.65	118.6	Pn	04:12:00.144	0.4					T__				m_e	ML 3.3
WERD	2.66	247.1	Pn	04:12:00.620	0.7					T__				m_e	ML 3.3
WERD	2.66	247.1	Sg	04:12:43.590	2.1					T__				m_e	
MGBB	2.95	239.3	Pn	04:12:04.800	1.0					---				mdi	ML 2.8
MOX	2.99	254.2	Pg	04:12:13.600	0.3					---				m_e	ML 3.4
MOX	2.99	254.2	Sg	04:12:53.350	1.4					T__				m_e	
MANZ	3.00	240.2	Pn	04:12:05.429	0.9					T__				m_e	ML 3.4
MANZ	3.00	240.2	Sg	04:12:52.066	-0.1					T__				m_e	
ROTZ	3.07	236.1	Pn	04:12:06.475	1.0					T__				m_e	ML 3.2
ROTZ	3.07	236.1	Sg	04:12:54.916	0.4					T__				m_e	
GEC2	3.13	211.2	Pn	04:12:07.307	1.1					T__				m_e	ML 3.3
WET	3.19	222.3	Pn	04:12:07.711	0.7					T__				m_e	ML 3.3
GRA1	3.64	241.3	Sg	04:13:12.746	0.2					T__				m_e	ML 3.6
HROE	3.91	257.4	Pn	04:12:18.000	1.2					---				mdi	ML 3.2

Event 939593 Lebach, N of Saarbruecken

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2007/07/09	07:50:02.90	0.15	0.70	49.3639	6.8209	2.9	2.0	158	1.0f		34	14	101			m i si	LDG	939603
2007/07/09	07:50:04.30	1.44	0.61	49.4120	6.8040				1.0f		10	5	313	0.87	1.30	m i ki	BNS	939593

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.9		LDG	939603
ML	1.8		BNS	939593

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WLF	0.49	301.1	Pg	07:50:13.286	-0.3					---	2.3			m_e	
BGG	0.87	23.2	Pg	07:50:20.520	-0.1					T__				m_e	
BGG	0.87	23.2	Sg	07:50:32.110	0.3					T__		28.2	0.43	m_e	
HILG	0.88	354.8	Pg	07:50:20.430	-0.5					T__				m_e	
HILG	0.88	354.8	Sg	07:50:33.950	1.6					T__				m_e	
KOE	1.18	30.2	Pg	07:50:26.520	0.1					T__				m_e	
KOE	1.18	30.2	Sg	07:50:43.290	1.6					T__		27.3	0.34	m_e	
KLL	1.27	345.8	Pg	07:50:27.020	-1.3					T__				m_e	
KLL	1.27	345.8	Sg	07:50:44.040	-0.8					T__				m_e	
DREG	1.30	343.9	Pg	07:50:28.690	-0.2					T__				m_e	



BBS	1.00	301.4	Pg	00:09:52.699	1.0	---	30.2	m_e	
BBS	1.00	301.4	PmP	00:09:53.700	-0.5	---		m_	
FELD	1.06	331.0	Pg	00:09:53.776	0.9	---	39.3	m_e	
OBER	1.13	65.6	Pg	00:09:55.700	1.5	---		mdi ML	2.6
OBER	1.13	65.6	Sg	00:10:10.900	2.0	---		m_e	
BOURR	1.14	293.6	Pg	00:09:55.646	1.3	---	32.9	m_e	
BOURR	1.14	293.6	Sg	00:10:11.550	2.5	---	8.3	m_e	
GUT	1.14	11.6	P*	00:09:55.310		---		mc_ ML	3.1
GUT	1.14	11.6	Pg	00:09:56.300	1.8	---		m_	
GUT	1.14	11.6	S*	00:10:11.440		---		m_	
SPAK	1.15	0.5	Pg	00:09:56.105	1.5	---	16.7	m_e	
KIZ	1.16	330.5	P*	00:09:55.310		---		md_ ML	3.2
KIZ	1.16	330.5	Pg	00:09:56.020	1.3	---		m_	
KIZ	1.16	330.5	S*	00:10:11.140		---		m_	
UBR	1.16	50.7	P*	00:09:56.130		---		mc_ ML	3.4
UBR	1.16	50.7	PmP	00:09:57.360	0.3	---		m_	
UBR	1.16	50.7	S*	00:10:12.940		---		m_	
UBR	1.16	50.7	SmS	00:10:15.200	1.6	---		m_	
FBB	1.22	329.8	P	00:09:57.340		---		m_	
LOMF	1.38	287.6	Pg	00:09:59.266	0.3	---	13.3	m_e	
LOMF	1.38	287.6	S	00:10:16.690		---		m_	
BFO	1.41	348.0	Pg	00:10:00.625	1.1	---	23.4	m_e ML	2.5
BFO	1.41	348.0	Sn	00:10:16.882	-0.5	---	3.5	m_e	
BFO	1.41	348.0	Sg	00:10:19.550	1.8	---		m_	
BUCH	1.55	14.4	P	00:10:00.720		---		mc_ ML	3.0
BUCH	1.55	14.4	Pg	00:10:03.170	1.1	---		m_	
BUCH	1.55	14.4	S	00:10:20.990		---		m_	
BUCH	1.55	14.4	Sg	00:10:24.130	2.0	---		m_	
TUBL	1.59	7.5	P	00:10:02.270		---		m_ ML	2.9
TUBL	1.59	7.5	Pg	00:10:04.560	1.8	---		m_	
TUBL	1.59	7.5	S	00:10:22.550		---		m_	
TUBL	1.59	7.5	Sg	00:10:26.150	2.8	---		m_	
ECH	1.67	319.9	Pn	00:10:02.977	0.5	---	5.2	m_e	
LBG	1.71	0.6	P	00:10:03.070		---		m_ ML	2.9
LBG	1.71	0.6	S	00:10:23.840		---		m_	
LBG	1.71	0.6	Sg	00:10:28.720	1.4	---		m_	
STU	1.84	8.7	Pn	00:10:04.613	-0.2	---	2.2	m_e ML	3.2
STU	1.84	8.7	Sn	00:10:27.348	-0.2	---	2.6	m_e	
STU	1.84	8.7	Sg	00:10:32.859	1.4	---		m_e	
SCE	2.01	86.4	Pn	00:10:10.900	3.8	---		mdi ML	2.8
FUR	2.08	53.4	Pn	00:10:09.949	1.9	---		m_e ML	3.1
FUR	2.08	53.4	Sg	00:10:40.880	1.9	---	4.8	m_e	
NORI	2.16	34.4	Pn	00:10:08.700	-0.5	---		mdi ML	3.1
THEF	2.27	305.3	P	00:10:11.590		---		m_	
SIND	2.46	12.8	P	00:10:12.240		---		mc_ ML	2.9
SIND	2.46	12.8	Pg	00:10:20.160	0.8	---		m_	
SIND	2.46	12.8	S	00:10:42.740		---		m_	
SIND	2.46	12.8	Sg	00:10:52.990	1.9	---		m_	
SWS	2.53	359.0	P	00:10:14.320		---		m_ ML	2.7
SWS	2.53	359.0	S	00:10:44.830		---		m_	
SWS	2.53	359.0	Sg	00:10:55.170	1.7	---		m_	
RJOB	2.84	72.4	Pn	00:10:21.100	2.8	---		mdi ML	2.7
GRA1	3.19	29.8	Sn	00:11:00.121	0.9	---	4.7	m_e ML	3.3
GRA1	3.19	29.8	Sg	00:11:16.096	1.9	---		m_e	



WET	3.51	49.9	Pn	00:10:28.029	0.5	___	19.7	m_e	
WET	3.51	49.9	Sn	00:11:08.304	1.5	___	3.2	m_e	
GEC2	3.81	58.4	Pn	00:10:32.971	1.5	___	18.4	m_e	
GEC2	3.81	58.4	Sn	00:11:16.127	2.3	___	4.7	m_e	
WERN	4.10	34.2	Pn	00:10:34.182	-1.3	___		m_e ML	3.3
WERN	4.10	34.2	Sn	00:11:21.773	1.1	___		m_e	
MOX	4.14	25.8	Pn	00:10:34.600	-1.4	___		m_e	
MOX	4.14	25.8	Pg	00:10:52.000	1.0	___		m_e	
MOX	4.14	25.8	Sn	00:11:23.800	2.2	___		m_e	
MOX	4.14	25.8	Sg	00:11:45.900	1.4	___		m_e	
GUNZ	4.14	33.3	Pn	00:10:35.042	-1.0	___		m_e ML	3.4
GUNZ	4.14	33.3	Pg	00:10:51.147	0.1	___	4.5	m_e	
WERD	4.20	32.4	Pn	00:10:35.585	-1.3	___	1.8	m_e	
WERD	4.20	32.4	Sn	00:11:25.071	2.0	___		m_e	
CLL	5.16	30.9	Sg	00:12:19.000	2.1	___		m_e	

Event 70712303 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2007/07/12	15:53:14.44	0.51		51.3910	16.0810	6.7	3.3	017	1.0f		19	15	195	0.56	3.57	m i ki	BGR	70712333

Magnitude	Err	Nsta	Author	OrigID
ML	3.0		BGR	70712333

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KSP	0.56	166.2	Pg	15:53:25.386	0.3					T__				m_e ML	2.4
KSP	0.56	166.2	Sg	15:53:34.600	2.3					T__				m_e	
DPC	1.05	171.6	Pg	15:53:34.174	-0.1					T__				m_e ML	2.7
BRG	1.44	249.7	Pg	15:53:41.067	-0.5					T__				m_e ML	3.0
BRG	1.44	249.7	Sg	15:54:01.046	0.9					T__				m_e	
FBE	1.77	255.7	Sg	15:54:10.980	0.2					T__				m_e ML	2.9
MORC	1.86	149.5	Sg	15:54:13.690	0.1					T__				m_e ML	2.6
CLL	1.92	268.7	Pn	15:53:48.379	0.9					T__				m_e ML	3.0
CLL	1.92	268.7	Pg	15:53:48.500	-2.2					___				m_i	
CLL	1.92	268.7	Sg	15:54:15.000	-0.6					___				m_e	
OKC	2.03	139.0	Pn	15:53:48.232	-0.7					T__				m_e ML	3.3
TANN	2.48	248.3	Pn	15:53:54.812	-0.2					T__				m_e ML	3.2
TANN	2.48	248.3	Sg	15:54:35.754	2.5					T__				m_e	
WERD	2.56	249.8	Pn	15:53:56.055	-0.0					T__				m_e	
OJC	2.62	115.1	Sg	15:54:39.437	1.6					T__				m_e ML	3.0
MGBB	2.83	241.4	Pn	15:53:59.800	0.0					___				m_e ML	2.7
MOX	2.91	256.9	Pn	15:54:00.500	-0.3					___				m_e ML	3.4
MOX	2.91	256.9	Pg	15:54:08.800	-0.4					___				m_e	
MOX	2.91	256.9	Sg	15:54:47.370	0.6					T__				m_e	
ROTZ	2.95	238.1	Pn	15:54:01.682	0.3					T__				m_e ML	3.1
WET	3.04	223.6	Pn	15:54:02.561	-0.0					T__				m_e ML	3.0
GRA1	3.52	243.1	Pn	15:54:09.584	0.4					T__				m_e ML	3.6
GRA1	3.52	243.1	Sg	15:55:07.615	1.2					T__				m_e	
CLZ	3.57	279.5	Pn	15:54:09.859	0.0					T__				m_e	

## Event 70713003 Donaueschingen/Eastern Black Forest

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2007/07/13	13:05:23.82	1.96	0.57	47.9890	8.5240	20.0	6.7	007	10.0f		7	6	272	0.36	3.48	m i ke	BGR	70713013
2007/07/13	13:05:22.66	0.17	0.26	47.9410	8.4370	2.4	1.2	343	13.0	2.0	20	11	107	0.28	1.61	m i ke	LED	70713003

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.1	0.6	4 BGR	70713013
ML	2.1		LED	70713003

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
SPAK	0.28	55.2	P*	13:05:28.690						T__				mci	
FELD	0.30	257.6	P*	13:05:28.920						T__				mci	
KIZ	0.35	272.7	P*	13:05:29.730						T__				mci ML	2.2
KIZ	0.35	272.7	PmP	13:05:31.710	-1.3					T__				m__	
KIZ	0.35	272.7	S*	13:05:34.660						T__				m_i	
KIZ	0.35	272.7	SmS	13:05:38.460	-1.6					T__				m__	
BFO	0.40	349.6	P*	13:05:30.720						T__				mdi ML	1.8
BFO	0.40	349.6	PmP	13:05:31.610	-2.0					T__				m__	
BFO	0.40	349.6	S*	13:05:36.120						T__				m_i	
BFO	0.40	349.6	SmS	13:05:39.540	-1.5					T__				m__	
SISB	0.44	125.5	S*	13:05:37.180						T__				m__ ML	2.0
GUT	0.47	73.8	P*	13:05:31.890						T__				mci ML	1.7
LBG	0.76	18.1	Pg	13:05:37.490	0.3					T__				m__ ML	2.8
LBG	0.76	18.1	Sg	13:05:47.870	0.7					T__				m__	
BBS	0.79	233.0	Pg	13:05:37.670	0.0					T__				m__	
BUCH	0.79	49.9	P*	13:05:38.060						T__				mci ML	2.1
BUCH	0.79	49.9	S*	13:05:48.450						T__				m__	
ECH	0.90	288.3	Pg	13:05:40.020	0.3					T__				m_e	
UBR	1.15	102.4	Pg	13:05:44.930	0.4					T__				m__ ML	2.1
UBR	1.15	102.4	Sg	13:06:00.260	0.8					T__				m_i	
SWS	1.55	6.3	Sg	13:06:12.110	-0.0					___				m__ ML	2.4
SIND	1.61	28.3	Sg	13:06:12.860	-0.9					___				m__ ML	2.3
GRA1	2.54	45.3	Sg	13:06:43.125	-0.2					___				m_e ML	2.4
WET	3.18	66.1	Sg	13:07:02.821	-0.8					___				m_e ML	2.4
MOX	3.41	36.3	Sg	13:07:09.420	-1.5					___				m_e	
GUNZ	3.51	45.0	Sg	13:07:12.322	-2.0					___				m_e	
WERD	3.56	43.8	Sg	13:07:14.590	-1.2					___				m_e ML	2.3

## Event 70715301 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2007/07/15	03:33:19.50	0.51		51.4180	16.0550	6.7	2.2	018	1.0f		21	13	207	0.59	3.52	m i ki	BGR	70715311

Magnitude	Err	Nsta	Author	OrigID
ML	3.0		BGR	70715311

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KSP	0.59	165.3	Pg	03:33:31.047	0.4					T__				m_e ML	2.3
KSP	0.59	165.3	Sg	03:33:39.691	1.3					T__				m_e	
DPC	1.08	170.9	Pg	03:33:39.778	-0.1					T__				m_e ML	2.6

DPC	1.08	170.9	Sg	03:33:54.850	1.0	T	m_e													
BRG	1.43	248.5	Pn	03:33:45.035	-0.8	T	m_e	ML	3.0											
BRG	1.43	248.5	Sg	03:34:06.371	1.4	T	m_e													
FBE	1.76	254.7	Pn	03:33:50.801	0.4	T	m_e	ML	2.8											
FBE	1.76	254.7	Sg	03:34:16.801	1.2	T	m_e													
MORC	1.89	149.5	Pn	03:33:51.645	-0.5	T	m_e													
CLL	1.91	267.9	Pn	03:33:51.329	-1.0	T	m_e	ML	3.1											
CLL	1.91	267.9	Pg	03:33:54.000	-1.5		m_e													
CLL	1.91	267.9	Sg	03:34:20.075	-0.1	T	m_e													
TANN	2.48	247.5	Pn	03:34:00.394	0.4	T	m_e	ML	3.2											
TANN	2.48	247.5	Sg	03:34:38.752	0.5	T	m_e													
OJC	2.65	115.4	Sg	03:34:44.452	0.7	T	m_e	ML	3.4											
MGBB	2.83	240.8	Pn	03:34:05.300	0.5		mdi	ML	2.8											
MOX	2.90	256.3	Pn	03:34:05.765	0.0	T	m_e													
MOX	2.90	256.3	Pg	03:34:13.600	-0.5		m_e													
MOX	2.90	256.3	Sg	03:34:52.577	1.1	T	m_e													
ROTZ	2.95	237.4	Pn	03:34:07.041	0.6	T	m_e													
GEC2	2.98	211.3	Pn	03:34:08.221	1.3	T	m_e													
WET	3.05	223.0	Pn	03:34:08.389	0.6	T	m_e													
GRA1	3.52	242.5	Pn	03:34:14.760	0.6	T	m_e	ML	3.7											
GRA1	3.52	242.5	Sg	03:35:13.072	1.7	T	m_e													
HROE	3.82	259.0	Pn	03:34:18.500	0.3		mdi	ML	3.2											

Event 70715311 Northwestern Balkan Peninsula

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2007/07/15	16:36:57.31	0.87		46.9000	13.9570	7.8	7.8	104	10.0f		14	10	307	1.95	4.12	m i ke	BGR	70715321
2007/07/15	16:36:51.70			46.7819	14.0657				8.1							m i uk	ZAMG	70715311

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	3.2		BGR	70715321
ML	3.2		ZAMG	70715311

Effects	Loctyp	Location	Intensity	Scale	Author
_FD			5.0	EMS	ZAMG

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
RJOB	1.29	318.4	Pg	16:37:16.800	0.8									m_e	ML 2.7
SCE	1.63	279.9	Pn	16:37:22.500	2.6									mci	ML 2.9
GEC2	2.08	353.4	Pn	16:37:31.182	5.2									m_e	ML 2.8
GEC2	2.08	353.4	Sg	16:37:58.999	1.3									m_e	
FUR	2.34	307.2	Pg	16:37:37.173	1.4									m_e	ML 3.7
FUR	2.34	307.2	Sg	16:38:07.921	1.9									m_e	
WET	2.49	341.8	Pn	16:37:34.867	3.3									m_e	ML 2.8
WET	2.49	341.8	Sg	16:38:11.627	0.7									m_e	
ROTZ	3.23	338.2	Pn	16:37:44.574	3.0									m_e	
ROTZ	3.23	338.2	Sg	16:38:34.138	-0.2									m_e	
GRA1	3.47	328.0	Sg	16:38:43.334	1.3									m_e	ML 3.5
WERN	3.68	342.9	Sg	16:38:50.060	1.4									m_e	ML 3.2
GUNZ	3.76	342.9	Pn	16:37:52.565	3.8						1.3			m_e	ML 3.3
GUNZ	3.76	342.9	Sg	16:38:51.748	0.6						3.7			m_e	

TANN	3.78	344.3	Pn	16:37:52.845	3.7	---	4.3	m_e	ML	3.4
TANN	3.78	344.3	Sg	16:38:52.805	0.9	---		m_e		
STU	3.83	303.1	Sg	16:38:54.315	0.9	---		m_e		
WERD	3.85	343.1	Sg	16:38:54.632	0.7	---	3.7	m_e	ML	3.1
BRG	4.09	358.9	Sg	16:39:02.678	1.0	---	2.7	m_e	ML	3.1
BFO	4.17	293.9	Pn	16:37:57.577	3.2	---	3.4	m_e	ML	3.2
BFO	4.17	293.9	Pg	16:38:12.072	1.8	---	2.8	m_e		
BFO	4.17	293.9	Sg	16:39:05.124	1.0	---	4.0	m_e		
MOX	4.19	338.2	Pn	16:37:57.371	2.8	---		m_e		
MOX	4.19	338.2	Sn	16:38:44.800	4.7	---		m_e		
MOX	4.19	338.2	Sg	16:39:05.700	1.0	---		m_e		
PST	4.25	344.4	Sg	16:39:06.943	0.1	---		m_e		
CLL	4.58	351.6	Pn	16:38:06.000	6.1	---		m_e		
CLL	4.58	351.6	Sg	16:39:17.717	0.5	---	4.6	m_e		
NEUB	4.67	342.1	Sg	16:39:21.707	1.5	---	2.6	m_e		
UBBA	4.84	328.0	Sg	16:39:26.465	0.9	---	1.7	m_e		

Event 70716303 Czech and Slovak Republics

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2007/07/16	04:42:29.56	1.13		49.8530	18.2430	11.1	10.0	021	1.0f		14	11	317	2.39	4.54	m i ki	BGR	70716313

Magnitude	Err	Nsta	Author	OrigID
ML	3.2		BGR	70716313

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
PRU	2.39	274.7	Pg	04:43:13.190	-1.4					T_				m_e	ML 2.9
PRU	2.39	274.7	Sg	04:43:44.990	-0.4					T_				m_e	
BRG	2.93	292.0	Pg	04:43:23.504	-1.2					T_				m_e	ML 3.0
BRG	2.93	292.0	Sg	04:44:03.086	0.6					T_				m_e	
GEC2	3.12	252.9	Pn	04:43:19.099	0.2					T_				m_e	ML 3.2
GEC2	3.12	252.9	Sg	04:44:09.326	0.5					T_				m_e	
WET	3.55	260.5	Sg	04:44:23.522	1.0					T_				m_e	ML 3.3
CLL	3.63	295.6	Pg	04:43:38.300	0.3									m_i	ML 3.3
CLL	3.63	295.6	Sg	04:44:25.862	1.0					T_				m_e	
TANN	3.75	280.8	Sg	04:44:30.074	1.5					T_				m_e	ML 3.2
WERN	3.79	278.8	Sg	04:44:30.698	0.7					T_				m_e	ML 3.2
GUNZ	3.82	279.9	Pg	04:43:40.908	-0.7					T_				m_e	
ROTZ	3.90	271.0	Sg	04:44:35.690	2.4					T_				m_e	
PLN	3.95	281.5	Sg	04:44:34.910	-0.1					T_				m_e	
MOX	4.31	283.1	Pg	04:43:50.800	0.0									m_e	mb 6.4
MOX	4.31	283.1	Sg	04:44:48.600	2.1									m_e	
GRA1	4.54	270.7	Sg	04:44:53.163	-0.5					T_				m_e	ML 3.5

Event 70718303 Epinal-N/F, Rambervillers

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2007/07/18	03:15:14.64	0.45		48.3530	6.7170	6.7	3.3	057	10.0f		15	7	184	1.02	1.74	m i ke	BGR	70718313
2007/07/18	03:15:14.20	0.04	0.48	48.3281	6.6571	0.9	0.7	151	11.0f		54	20	053			m i ke	LDG	70718303

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.1		BGR	70718313
ML	2.5		LDG	70718303

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BOURR	1.01	157.4	Pg	03:15:33.534	0.2					---				m_e	
BOURR	1.01	157.4	Sg	03:15:47.171	0.7					---				m_e	
BFO	1.11	89.3	Pn	03:15:33.793	-1.3					---				m_e	ML 1.8
BFO	1.11	89.3	Pg	03:15:35.094	-0.1					---				m_e	
BFO	1.11	89.3	Sg	03:15:49.445	-0.2					---				m_e	
SULZ	1.26	128.8	Pn	03:15:37.471	0.4					---				m_e	
SULZ	1.26	128.8	Pg	03:15:38.376	0.3					---				m_e	
SULZ	1.26	128.8	Sg	03:15:54.525	0.1					---				m_e	
SLE	1.35	113.9	Pg	03:15:39.741	0.0					---				m_e	ML 2.1
SLE	1.35	113.9	Sg	03:15:56.765	-0.4					---				m_e	
WLF	1.38	346.3	Pg	03:15:39.992	-0.2					---				m_e	ML 1.8
WLF	1.38	346.3	Sg	03:15:58.105	0.1					---				m_e	
ZUR	1.61	125.9	Pg	03:15:44.850	0.3					---				m_e	ML 2.2
ZUR	1.61	125.9	Sg	03:16:05.654	0.3					---				m_e	
WILA	1.76	120.3	Sg	03:16:10.515	0.2					---				m_e	ML 2.4

Event 70719306 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2007/07/19	19:41:40.75	1.47		50.1950	18.7060	17.8	15.6	128	1.0f		12	9	320	3.10	4.84	m i ki	BGR	70719306

Magnitude	Err	Nsta	Author	OrigID
ML	3.4		BGR	70719306

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	3.10	284.5	Pg	19:42:36.265	-2.9					T_				m_e	ML 3.0
BRG	3.10	284.5	Sg	19:43:20.374	1.1					T_				m_e	
GEC2	3.52	249.4	Sg	19:43:34.666	2.2					T_				m_e	ML 3.4
CLL	3.77	289.3	Pg	19:42:50.000	-1.9					---				m_e	ML 3.5
CLL	3.77	289.3	Sg	19:43:42.347	1.7					T_				m_e	
WET	3.91	256.7	Sg	19:43:43.456	-1.6					T_				m_e	ML 3.4
TANN	3.99	275.6	Pg	19:42:53.685	-2.3					T_				m_e	ML 3.4
TANN	3.99	275.6	Sg	19:43:47.989	0.4					T_				m_e	
NKC	4.00	273.0	Sg	19:43:49.254	1.3					T_				m_e	
WERN	4.05	273.7	Sg	19:43:48.292	-1.1					T_				m_e	ML 3.3
PST	4.15	281.7	Pg	19:42:59.243	0.2					T_				m_e	ML 3.4
PST	4.15	281.7	Sg	19:43:52.511	-0.2					T_				m_e	
MOX	4.54	278.4	Pn	19:42:48.600	-0.6					---				m_e	
MOX	4.54	278.4	Pg	19:43:05.800	-0.5					---				m_e	
MOX	4.54	278.4	Sg	19:44:07.100	2.2					---				m_e	
GRA1	4.84	266.9	Sg	19:44:15.923	1.4					T_				m_e	ML 3.6

Event 70720002 Seetaler Alps/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2007/07/20	06:47:56.90	0.31	0.67	47.1660	14.6380	3.3	3.3	051	10.0f		19	11	103	0.61	5.43	m i ke	BGR	70720012
2007/07/20	06:47:56.57	0.23	0.47	47.1412	14.6062	1.5	1.1	051	8.5	3.8	26	0	008			m i uk	ZAMG	70720002

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	3.1	0.3	5 BGR	70720012
mb	2.5		ZAMG	70720002
ML	3.1		ZAMG	70720002

Effects	Loctyp	Location	Intensity Scale	Author
F			4.0- 5.0 EMS	ZAMG

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ARSA	0.63	79.7	Pg	06:48:08.658	0.1						39.8			m_e	
ARSA	0.63	79.7	Sg	06:48:16.439	-0.4						4.7			m_e	
OBKA	0.63	183.6	Pg	06:48:09.500	0.9						87.7			m_e	
OBKA	0.63	183.6	Sg	06:48:18.158	1.3						3.9			m_e	
MOA	0.74	342.1	Pg	06:48:11.353	0.7						30.0			m_e	
MOA	0.74	342.1	Sg	06:48:21.124	0.8						2.9			m_e	
KBA	0.86	266.3	Pg	06:48:13.089	0.2						59.0			m_e ML	2.7
KBA	0.86	266.3	Sg	06:48:24.610	0.6						5.3			m_e	
BGLD	1.19	295.9	Pg	06:48:19.100	-0.0									mci ML	3.2
RJOB	1.36	296.6	Pn	06:48:24.000	2.9									mdi ML	3.1
GEC2	1.81	340.8	Pg	06:48:30.388	-0.3						18.8			m_e ML	3.2
GEC2	1.81	340.8	Sg	06:48:53.851	-0.2						10.7			m_e	
SCE	1.97	268.1	Pn	06:48:33.500	4.1									mdi ML	2.9
SCE	1.97	268.1	Sn	06:48:59.200	6.3									m_i	
WTTA	2.02	274.6	Pg	06:48:34.710	0.0						23.9			m_e	
WTTA	2.02	274.6	Sg	06:49:02.831	2.0						4.8			m_e	
WET	2.31	330.7	Pg	06:48:40.298	0.2						3.4			m_e ML	3.1
WET	2.31	330.7	Sg	06:49:09.354	-0.7						5.3			m_e	
FUR	2.47	295.7	Sg	06:49:17.304	2.4						2.3			m_e ML	3.2
DAVA	3.21	274.3	Sg	06:49:39.615	0.9						2.7			m_e ML	3.3
GRA1	3.40	319.9	Pg	06:49:01.321	0.7						2.4			m_e	
GRA1	3.40	319.9	Sg	06:49:44.261	-0.3						3.0			m_e	
GUNZ	3.55	335.9	Sg	06:49:48.398	-1.1						5.2			m_e	
TANN	3.57	337.5	Sg	06:49:48.155	-1.7						5.3			m_e	
WERD	3.64	336.2	Sg	06:49:50.740	-1.4						4.1			m_e	
BRG	3.76	353.6	Sg	06:49:54.759	-1.2						3.5			m_e	
MOX	4.02	331.8	Sg	06:50:02.573	-1.6						4.1			m_e	
CLL	4.30	346.5	Sg	06:50:11.997	-1.1						4.2			m_e	
CLZ	5.44	331.3	Sg	06:50:48.778	-0.7						3.1			m_e	

Event 70720001 Saarbruecken-West

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2007/07/20	17:58:04.90	7.77	3.21	50.5820	6.9090				1.0f		5	4	114	0.33	0.55	m i ki	BNS	70720021
2007/07/20	17:57:47.40	0.08	0.89	49.3849	6.8518	1.5	1.2	159	1.0f		47	16	083			m i si	LDG	70720011
2007/07/20	17:57:47.34	0.30	0.65	49.3680	6.8690	5.6	3.3	048	1.0f		14	12	096	0.36	2.84	m i ki	BGR	70720001

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	1.6		BNS	70720021
ML	3.1		LDG	70720011
ML	2.0	0.1	2 BGR	70720001

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
RUP	0.36	20.2	Pg	17:57:54.138	0.1					T__	23.3			m_e	
WLF	0.55	302.8	Pg	17:57:57.909	0.2					T__	6.5			m_e	ML 1.9
WLF	0.55	302.8	Sg	17:58:04.523	-0.3					T__	4.4			m_e	
ABH	0.68	40.3	Pg	17:58:00.085	0.0					T__	8.1			m_e	
LANF	0.72	122.0	Pg	17:58:01.268	0.3					T__	14.9			m_e	
KTD	0.79	93.0	Pg	17:58:03.287	1.0					T__	14.7			m_e	
HILG	0.93	352.5	Sg	17:58:17.750	0.8					---				m_e	
ECH	1.17	170.5	Pg	17:58:09.638	0.3					T__	19.5			m_e	
KOE	1.19	27.4	Pg	17:58:09.620	-0.2					---				m_e	
KOE	1.19	27.4	Sg	17:58:25.870	0.6					---		36.6	0.48	m_e	
THEF	1.28	207.2	Pg	17:58:11.106	-0.3					T__	13.3			m_e	
TOD	1.28	78.5	Pg	17:58:10.534	-0.9					T__	23.7			m_e	
LIBD	1.31	158.0	Pg	17:58:12.884	0.9					T__	2.1			m_e	
KLL	1.33	344.6	Pg	17:58:11.370	-1.0					---				m_e	
BFO	1.41	136.6	Pg	17:58:14.370	0.4					T__	9.1			m_e	ML 2.1
BFO	1.41	136.6	Sg	17:58:30.822	-1.5					T__	5.6			m_e	
HOBG	1.64	10.3	Pg	17:58:17.040	-1.3					---				m_e	
FELD	1.67	152.9	Pg	17:58:18.700	-0.1					T__	8.6			m_e	
SPAK	1.79	134.3	Pg	17:58:21.654	0.6					T__	3.6			m_e	
GRA1	2.84	81.8	Sg	17:59:20.299	2.6					---				m_e	

Event 939599 St. Die/F, NW Vosges Mountains

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2007/07/23	05:38:02.00	0.06	0.51	48.3261	6.6718	1.5	1.0	151	11.0f		18	9	117			m i ke	LDG	939609

Magnitude	Err	Nsta	Author	OrigID
ML	2.1		LDG	939609

Event 70723003 Bad Hersfeld

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2007/07/23	12:31:26.51	1.58	0.81	50.8480	9.9520	20.0	6.7	150	0.0f		7	6	257	0.04	2.73	m i ki	BGR	70723003

Magnitude	Err	Nsta	Author	OrigID
ML	2.2	0.2	4 BGR	70723003

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
UBBA	0.04	133.4	Pg	12:31:28.413	1.1					T__	22.7			m_e	
MOX	1.07	100.3	Sg	12:32:01.940	1.4					T__	7.5			m_e	ML 2.0
GRA1	1.41	144.4	Sg	12:32:11.449	0.1					T__	2.8			m_e	ML 2.2
WERD	1.55	104.1	Pg	12:31:55.091	-0.6					T__	2.0			m_e	ML 2.3
WERD	1.55	104.1	Sg	12:32:15.318	-0.3					T__	9.0			m_e	

TANN	1.65	104.2	Sg	12:32:18.068	-0.9					T__	8.7			m_e	ML	2.3		
BFO	2.73	203.3	Sg	12:32:53.035	-0.2					T__	7.2			m_e				

Event 70726004 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
2007/07/26	02:50:04.30	0.69	0.41	51.6880	7.7370				1.0f		8	5	317	0.75	1.50	m i ki	BNS	70726024
2007/07/26	02:50:04.30	0.68	0.78	51.6380	7.6270	11.1	3.3	162	1.0f		13	8	211	1.38	3.28	m i ki	BGR	70726014
2007/07/26	02:50:03.30			51.6620	7.7280				1.0f							m i ki	BUG	70726004

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.2		BNS	70726024
ML	2.0	0.2	3 BGR	70726014
ML	1.8		BUG	70726004

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BUG	0.36	232.4	Pg	02:50:11.100	1.0					TA_				m_i	ML 1.8
BUG	0.36	232.4	Sg	02:50:16.800	2.0					TA_				m_	
HOBG	0.72	200.1	Pg	02:50:18.050	1.1					---				m_e	
HOBG	0.72	200.1	Sg	02:50:29.170	2.9					---				m_e	
STB	1.20	207.9	Pg	02:50:26.800	0.8					---				m_e	
STB	1.20	207.9	Sg	02:50:43.890	2.3					---		46.2	0.50	m_e	
KOE	1.24	179.9	Pg	02:50:27.560	1.0					---				m_e	
KOE	1.24	179.9	Sg	02:50:44.310	1.7					---				m_e	
DREG	1.37	223.8	Pg	02:50:29.330	0.2					---				m_e	
GTTG	1.39	93.9	Sg	02:50:51.438	3.8					---	2.9			m_e	ML 2.2
HGN	1.44	232.1	Pg	02:50:30.370	-0.1					---	6.0			m_e	
HGN	1.44	232.1	Sg	02:50:49.408	0.4					---	5.3			m_e	
BGG	1.48	189.8	Pg	02:50:31.580	0.5					---				m_e	
CLZ	1.65	82.7	Pg	02:50:35.666	1.3					---	4.5			m_e	ML 2.0
CLZ	1.65	82.7	Sg	02:50:58.008	2.4					---	3.5			m_e	
UBBA	1.65	119.8	Pg	02:50:36.424	2.0					---	2.3			m_e	ML 1.9
UBBA	1.65	119.8	Sg	02:50:58.066	2.2					---	2.2			m_e	
WLF	2.23	207.2	Pg	02:50:45.776	0.4					---	1.8			m_e	
WLF	2.23	207.2	Sg	02:51:11.954	-2.3					---	3.8			m_e	
MOX	2.64	111.1	Pg	02:50:55.365	2.3					---	1.2			m_e	
MOX	2.64	111.1	Sg	02:51:30.468	3.2					---	3.3			m_e	
GUNZ	3.17	112.3	Sg	02:51:47.546	3.4					---	2.9			m_e	
TANN	3.23	110.9	Sg	02:51:48.915	3.1					---	1.9			m_e	

Event 939600 NW of Mulhouse/F, Vosges Mountains

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2007/07/26	08:12:10.80			47.7900	7.3200				8.0							m i uk	SED	939630
2007/07/26	08:12:10.67	0.85		47.8150	7.2860	10.0	4.4	122	10.0f		8	5	228	0.42	1.16	m i ke	BGR	939620
2007/07/26	08:12:11.30	0.30	0.42	47.8100	7.3300	4.0	3.0	013	5.0f		19	12	078	0.37	2.15	m i ke	LED	939610
2007/07/26	08:12:10.80	0.05	0.48	47.8080	7.2877	1.1	0.8	172	9.9	0.9	31	11	043			m i ke	LDG	939600

(#PRIME)





2007/07/26 11:39:23.80 0.08 0.29 48.3127 6.6653 1.8 1.2 156 10.4 1.3 15 8 115 m i ke LDG 939615

Magnitude Err Nsta Author OrigID  
ML 2.1 LDG 939615

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude  
BFO 1.11 88.5 Sg 11:39:59.283 0.2 3.2 m\_e

Event 939606 St. Die/F, NW Vosges Mountains

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID  
2007/07/26 12:12:36.60 0.06 0.26 48.3119 6.6717 1.5 1.0 155 11.1 0.8 27 11 115 m i ke LDG 939616

Magnitude Err Nsta Author OrigID  
ML 2.3 LDG 939616

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude  
BFO 1.10 88.4 Sg 12:13:11.982 0.2 3.9 m\_e

Event 939607 St. Die/F, NW Vosges Mountains

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID  
2007/07/26 14:14:47.40 0.05 0.29 48.3222 6.6672 1.3 0.8 167 12.0f 29 11 116 m i ke LDG 939617

Magnitude Err Nsta Author OrigID  
ML 2.5 LDG 939617

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude  
BFO 1.11 89.0 Sg 14:15:21.122 -1.6 6.3 m\_e

Event 939608 Epinal-N/F, Rambervillers

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID  
2007/07/26 14:39:57.90 0.06 0.26 48.3161 6.6604 1.4 0.8 169 12.0f 22 11 116 m i ke LDG 939618

Magnitude Err Nsta Author OrigID  
ML 2.3 LDG 939618

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude  
BFO 1.11 88.7 Sg 14:40:33.610 0.3 4.9 m\_e

Event 939609 Epinal-N/F, Rambervillers

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID  
2007/07/26 14:41:02.90 0.06 0.28 48.3158 6.6618 1.5 0.9 165 12.0f 22 11 116 m i ke LDG 939619

Magnitude Err Nsta Author OrigID  
ML 2.4 LDG 939619

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude  
BFO 1.11 88.6 Sg 14:41:36.634 -1.7 9.5 m\_e

Event 939610 St. Die/F, NW Vosges Mountains

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID  
2007/07/26 14:49:15.20 0.07 0.24 48.3140 6.6688 1.5 1.0 154 12.0f 15 8 127 m i ke LDG 939620

Magnitude Err Nsta Author OrigID  
ML 2.0 LDG 939620

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude  
BFO 1.10 88.5 Sg 14:49:50.268 -0.2 1.6 m\_e

Event 70726305 Epinal-N/F, Rambervillers

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID  
2007/07/26 15:34:26.95 1.15 48.4100 6.7970 15.6 6.7 037 10.0f 7 5 247 1.02 3.17 m i ke BGR 70726315  
2007/07/26 15:34:26.10 0.05 0.70 48.3260 6.6621 1.2 0.9 147 10.1 0.7 58 23 030 m i ke LDG 70726305  
(#PRIME)

Magnitude Err Nsta Author OrigID  
ML 2.4 BGR 70726315  
ML 2.9 LDG 70726305

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude  
BFO 1.11 89.2 Pg 15:34:46.118 -0.9 m\_e ML 2.2  
BFO 1.11 89.2 Sg 15:34:59.811 -1.6 m\_e  
WLF 1.38 346.2 Sg 15:35:09.835 -0.2 m\_e ML 2.2  
STU 1.73 74.2 Sg 15:35:18.147 -3.1 m\_e ML 2.5  
TNS 2.23 30.9 Pn 15:35:01.173 -1.0 m\_e ML 2.3  
TNS 2.23 30.9 Sg 15:35:32.873 -4.0 m\_e  
GRA1 3.29 63.7 Sg 15:36:09.354 -1.2 m\_e ML 2.9

Event 70726003 Saarbruecken-West

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID  
2007/07/26 15:48:16.10 0.29 0.31 49.4010 6.8480 1.0f 9 5 316 0.87 1.61 m i ki BNS 70726023  
2007/07/26 15:48:15.60 0.05 0.62 49.3726 6.8469 1.1 1.0 102 1.0f 39 16 041 m i si LDG 70726013  
2007/07/26 15:48:15.41 0.29 0.48 49.3650 6.8380 4.4 3.3 048 1.0f 15 13 098 0.37 4.52 m i ki BGR 70726003  
(#PRIME)

Magnitude Err Nsta Author OrigID  
ML 2.2 BNS 70726023  
ML 3.2 LDG 70726013

ML 2.3 0.3 4 BGR 70726003

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
RUP	0.37	23.0	Pg	15:48:22.484	0.2					T__	24.1			m_e	
WLF	0.54	304.2	Pg	15:48:26.189	0.7					T__	6.9			m_e ML	2.1
WLF	0.54	304.2	Sg	15:48:31.879	-0.6					T__	5.9			m_e	
ABH	0.69	41.4	Pg	15:48:28.532	0.1					T__	5.8			m_e	
LANF	0.74	120.9	Pg	15:48:29.598	0.2					T__	13.8			m_e	
KTD	0.81	92.7	Pg	15:48:30.869	0.1					T__	23.9			m_e	
BGG	0.90	20.8	Pg	15:48:32.830	0.4					---				m_e	
BGG	0.90	20.8	Sg	15:48:44.650	0.6					---		42.9	0.68	m_e	
HILG	0.93	353.7	Pg	15:48:33.070	0.1					---				m_e	
HILG	0.93	353.7	Sg	15:48:45.710	0.7					---				m_e	
ECH	1.17	169.5	Pg	15:48:37.707	0.3					T__	15.5			m_e	
KOE	1.21	28.2	Pg	15:48:37.700	-0.4					---				m_e	
KOE	1.21	28.2	Sg	15:48:53.320	-0.4					---		51.2	0.65	m_e	
THEF	1.27	206.4	Pg	15:48:38.824	-0.4					T__	9.8			m_e	
TOD	1.30	78.6	Pg	15:48:40.072	0.2					T__	17.1			m_e	
KLL	1.33	345.4	Pg	15:48:39.790	-0.6					---				m_e	
KLL	1.33	345.4	Sg	15:48:56.400	-1.1					---				m_e	
TNS	1.35	49.9	Pg	15:48:39.496	-1.3					---				m_e ML	2.4
TNS	1.35	49.9	Sg	15:48:58.985	0.8					---				m_e	
BFO	1.43	136.0	Pg	15:48:42.809	0.5					T__	10.5			m_e ML	2.2
BFO	1.43	136.0	Sg	15:48:59.757	-1.0					T__	4.3			m_e	
HOBG	1.65	10.9	Pg	15:48:44.710	-1.8					---				m_e	
FELD	1.68	152.2	Pg	15:48:46.997	-0.0					T__	9.3			m_e	
SPAK	1.80	133.8	Pg	15:48:49.985	0.6					T__	3.4			m_e	
LOMF	2.01	180.2	Pg	15:48:53.641	0.3					T__	2.4			m_e	
WERD	3.68	70.8	Pg	15:49:24.347	-0.5					T__	2.4			m_e ML	2.7
TANN	3.77	71.7	Pn	15:49:15.227	1.7					---	1.7			m_e	
WET	3.95	90.9	Pn	15:49:17.046	1.2					---	2.2			m_e	
GEC2	4.52	94.0	Pn	15:49:25.176	1.5					---	11.8			m_e	

Event 939615 Epinal-N/F, Rambervillers

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2007/07/26	18:30:23.90	0.06	0.26	48.3144	6.6644	1.5	1.0	158	12.0f		18	9	116			m i ke	LDG	939635

Magnitude Err Nsta Author OrigID  
 ML 2.0 LDG 939635

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	1.11	88.6	Sg	18:30:58.998	-0.2					---	3.2			m_e	

Event 70727002 Recklinghausen, Ruhr Coal Mining District

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2007/07/27	02:03:50.70	0.17	0.21	51.7202	6.9881	2.9	1.7	025	1.0f		11	5	292			m i si	LDG	70727032
2007/07/27	02:03:51.10	0.72	0.41	51.7010	7.0390				1.0f		9	6	315	0.74	1.51	m i ki	BNS	70727022
2007/07/27	02:03:49.27	0.60	0.48	51.6580	7.0630	11.1	4.4	122	1.0f		6	3	196	0.78	2.08	m i ki	BGR	70727012

2007/07/27 02:03:50.20 51.7170 7.1180 1.0f 283 0.18 0.29 m i ki BUG 70727002  
 (#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.6		LDG	70727032
ML	2.2		BNS	70727022
ML	2.3	0.1	3 BGR	70727012
ML	1.7		BUG	70727002

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ZERL	0.18	238.1	Pg	02:03:54.400	0.8					T_				m_	ML 1.0
ZERL	0.18	238.1	Sg	02:03:57.900	1.9					T_				m_	
BUG	0.29	161.2	Pg	02:03:56.700	1.0					TA_				mdi	ML 1.7
BUG	0.29	161.2	Sg	02:04:01.500	2.0					TA_				m_	
IBBN	0.71	33.6	Pg	02:04:03.546	-0.0						3.1			m_e	ML 2.3
IBBN	0.71	33.6	Sg	02:04:14.607	1.9						5.9			m_e	
HOBG	0.75	169.5	Pg	02:04:05.090	0.8									m_e	
HOBG	0.75	169.5	Sg	02:04:15.460	1.6									m_e	
BNS	0.75	177.2	Pg	02:04:04.990	0.6									m_e	
KLL	1.18	205.6	Pg	02:04:12.500	-0.0									m_e	
DREG	1.19	208.1	Pg	02:04:12.500	-0.2									m_e	
DREG	1.19	208.1	Sg	02:04:29.000	1.0							49.3	0.30	m_e	
KOE	1.35	163.1	Pg	02:04:15.560	-0.0									m_e	
KOE	1.35	163.1	Sg	02:04:34.390	1.4									m_e	
BGG	1.52	174.7	Pg	02:04:17.890	-0.9									m_e	
CLZ	2.02	85.2	Pg	02:04:27.436	-0.8						3.5			m_e	ML 2.2
CLZ	2.02	85.2	Sg	02:04:55.151	0.9						1.9			m_e	
WLF	2.14	197.0	Pg	02:04:28.174	-2.4						1.5			m_e	ML 2.3
WLF	2.14	197.0	Sg	02:04:55.709	-2.5						2.4			m_e	

Event 939623 Epinal-N/F, Rambervillers  
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID  
 2007/07/27 09:12:18.80 0.09 0.26 48.3143 6.6610 1.6 1.1 179 12.0f 18 10 155 m i ke LDG 939643

Magnitude	Err	Nsta	Author	OrigID
ML	2.1		LDG	939643

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	1.11	88.6	Sg	09:12:54.464	0.2						3.1			m_e	

Event 939625 Epinal-N/F, Rambervillers  
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID  
 2007/07/27 10:10:03.00 0.10 0.32 48.3144 6.6616 2.0 1.4 176 11.0f 18 11 144 m i ke LDG 939645

Magnitude	Err	Nsta	Author	OrigID
ML	2.2		LDG	939645

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
-----	------	------	-------	------	------	------	-------	------	------	-----	-----	-----	-----	------	-----------

BFO 1.11 88.6 Sg 10:10:36.588 -1.8 5.1 m\_e

Event 939627 Epinal-N/F, Rambervillers

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2007/07/27	10:42:36.90	0.08	0.29	48.3054	6.6598	1.7	1.0	169	10.0	0.0	16	10	115			m i ke	LDG	939647

Magnitude Err Nsta Author OrigID

ML 2.2 LDG 939647

Event 939629 Epinal-N/F, Rambervillers

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2007/07/27	12:02:53.80	0.06	0.50	48.3247	6.6476	1.4	1.0	162	11.0f		35	14	044			m i ke	LDG	939649

Magnitude Err Nsta Author OrigID

ML 2.7 LDG 939649

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
-----	------	------	-------	------	------	------	-------	------	------	-----	-----	-----	-----	------	-----------

BFO 1.12 89.1 Sg 12:03:27.318 -2.1 5.7 m\_e

WLF 1.38 346.6 Sg 12:03:37.138 -0.6 5.7 m\_e

Event 939630 Epinal-N/F, Rambervillers

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2007/07/27	12:04:07.60	0.07	0.32	48.3198	6.6626	1.6	1.1	156	10.0f		16	9	088			m i ke	LDG	939650

Magnitude Err Nsta Author OrigID

ML 2.0 LDG 939650

Event 939631 Epinal-N/F, Rambervillers

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2007/07/27	14:14:12.40	0.08	0.34	48.3227	6.6585	1.7	1.2	148	8.4	1.2	24	11	087			m i ke	LDG	939651

Magnitude Err Nsta Author OrigID

ML 2.4 LDG 939651

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
-----	------	------	-------	------	------	------	-------	------	------	-----	-----	-----	-----	------	-----------

BFO 1.11 89.0 Sg 14:14:45.997 -1.8 6.6 m\_e

Event 939632 Epinal-N/F, Rambervillers

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2007/07/27	14:59:39.30	0.08	0.31	48.3144	6.6542	1.7	1.3	171	10.1	1.0	21	10	116			m i ke	LDG	939652

Magnitude	Err	Nsta	Author	OrigID
ML	2.1		LDG	939652

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	1.11	88.6	Sg	15:00:12.767	-2.0					___	5.3			m_e	

Event 939633 Epinal-N/F, Rambervillers

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2007/07/27	18:04:27.10	0.07	0.31	48.3139	6.6602	1.7	1.1	156	10.9	1.1	20	10	116			m i ke	LDG	939653

Magnitude	Err	Nsta	Author	OrigID
ML	2.2		LDG	939653

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	1.11	88.5	Sg	18:05:00.746	-1.8					___				m_e	

Event 70727308 Laufenburg, N of Brugg/CH, Swiss-German border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2007/07/27	23:02:08.40	0.05	0.31	47.4932	8.2867	1.1	0.7	151	16.7	0.6	35	13	127			m i ke	LDG	70727338
2007/07/27	23:02:08.50			47.4800	8.3200				16.0							m i uk	SED	70727328
2007/07/27	23:02:10.84	1.42		47.5760	8.3430	14.5	8.9	034	10.0f		6	4	287	0.75	2.85	m i ke	BGR	70727318
2007/07/27	23:02:08.70	1.10	0.31	47.5000	8.3100	15.0	3.0	021	20.0f		23	6	249	0.48	2.04	m i ke	LED	70727308

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.4		LDG	70727338
ML	2.3		SED	70727328
ML	2.2		BGR	70727318
ML	2.2		LED	70727308

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
SISB	0.48	66.9	P*	23:02:18.210						T__				mci ML	2.2
SISB	0.48	66.9	S*	23:02:25.140						T__				m__	
SISB	0.48	66.9	SmS	23:02:27.390	-0.3					T__				m__	
KIZ	0.53	330.1	P*	23:02:19.100						T__				m ML	2.3
KIZ	0.53	330.1	PmP	23:02:20.350	-0.4					T__				m__	
KIZ	0.53	330.1	S*	23:02:26.420						T__				m__	
KIZ	0.53	330.1	SmS	23:02:27.810	-1.2					T__				m__	
GUT	0.79	43.2	P	23:02:23.440						T__				m ML	2.4
GUT	0.79	43.2	PmP	23:02:23.860	-1.1					T__				m__	
GUT	0.79	43.2	S	23:02:34.420						T__				m__	
BFO	0.83	0.9	Pg	23:02:24.566	-0.1					___				m_e ML	1.4
BFO	0.83	0.9	Sg	23:02:34.801	-0.9					___				m_e	
BUCH	1.18	35.9	P	23:02:28.850						T__				m ML	2.2
BUCH	1.18	35.9	Pg	23:02:30.580	-0.6					T__				m__	





Event 940333 Epinal-N/F, Rambervillers  
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID  
 2007/07/28 06:19:21.10 48.3204 6.6535 10.0 37 17 m i ke LDG 940343

Magnitude Err Nsta Author OrigID  
 ML 2.4 LDG 940343

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	1.11	88.9	Pg	06:19:42.468	0.3						3.9			m_e ML	1.6
BFO	1.11	88.9	Sg	06:19:54.766	-1.9						11.5			m_e	
WLF	1.38	346.4	Pg	06:19:47.410	0.2						1.7			m_e ML	1.7
WLF	1.38	346.4	Sg	06:20:04.489	-0.7						3.4			m_e	

Event 70728309 Epinal-N/F, Rambervillers  
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID  
 2007/07/28 16:55:49.56 1.91 48.3310 6.6850 28.9 7.8 036 10.0f 4 3 256 1.09 1.72 m i ke BGR 70728319  
 2007/07/28 16:55:49.90 0.06 0.68 48.3247 6.6519 1.4 1.1 158 12.2 1.0 43 19 044 m i ke LDG 70728309  
 (#PRIME)

Magnitude Err Nsta Author OrigID  
 ML 2.2 BGR 70728319  
 ML 2.7 LDG 70728309

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	1.12	89.1	Pg	16:56:09.852	-1.2									m_e ML	2.0
BFO	1.12	89.1	Sg	16:56:23.303	-2.2									m_e	
WLF	1.38	346.4	Sg	16:56:33.192	-0.7									m_e ML	2.1
STU	1.74	74.2	Sg	16:56:45.125	-0.2									m_e ML	2.4

Event 939645 Epinal-N/F, Rambervillers  
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID  
 2007/07/29 02:58:34.60 0.07 0.52 48.3220 6.6460 1.7 1.1 173 9.0f 36 15 052 m i ke LDG 939645

Magnitude Err Nsta Author OrigID  
 ML 2.2 LDG 939645

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	1.12	89.0	Pg	02:58:54.511	-1.2						3.5			m_e	
BFO	1.12	89.0	Sg	02:59:08.012	-2.2						8.8			m_e	
WLF	1.38	346.6	Sg	02:59:17.777	-0.8						2.7			m_e	

Event 939652 Saeckingen, NE of Liestal/CH, Swiss-German border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2007/07/29	21:48:03.10	0.05	0.55	47.5290	7.6602	1.2	0.8	150	9.0f		39	14	082			m i ke	LDG	939662
2007/07/29	21:48:02.00			47.5080	7.6770				11.0							m i ke	SED	939652

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.3		LDG	939662
ML	1.8		SED	939652

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	0.93	27.8	Pg	21:48:20.620	1.0					---	14.0			m_e	
BFO	0.93	27.8	Sg	21:48:32.759	1.0					---	5.9			m_e	

Event 939653 Lebach, N of Saarbruecken

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2007/07/30	01:15:45.80	0.20	0.86	49.4096	6.8322	3.4	2.0	030	1.0f		17	9	184			m i si	LDG	939653

Magnitude	Err	Nsta	Author	OrigID
ML	2.5		LDG	939653

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WLF	0.51	300.3	Pg	01:15:57.307	1.9					---				m_e	
BFO	1.46	137.1	Sg	01:16:31.104	-1.1					---	3.3			m_e	

Event 70731001 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2007/07/31	00:15:11.44	0.48		51.5200	16.1330	5.6	3.3	010	1.0f		24	14	234	0.68	3.61	m i ki	BGR	70731001

Magnitude	Err	Nsta	Author	OrigID
ML	3.0	0.3	13 BGR	70731001

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KSP	0.68	171.5	Pg	00:15:24.663	0.3					T_				m_e ML	2.3
KSP	0.68	171.5	Sg	00:15:33.985	0.8					T_				m_e	
DPC	1.18	174.1	Pn	00:15:33.576	-0.7					T_				m_e	
BRG	1.52	245.6	Pn	00:15:39.146	0.2					T_				m_e ML	3.0
BRG	1.52	245.6	Sg	00:16:00.418	0.8					T_				m_e	
FBE	1.84	252.1	Sg	00:16:11.740	1.8					T_				m_e ML	2.8
MORC	1.96	152.3	Pn	00:15:45.430	0.5					T_				m_e ML	2.6
CLL	1.96	265.0	Pn	00:15:45.025	0.0					T_				m_e ML	2.9
CLL	1.96	265.0	Sg	00:16:14.248	0.4					T_				m_e	
TANN	2.56	245.9	Pn	00:15:53.932	0.8					T_				m_e ML	3.1
TANN	2.56	245.9	Sg	00:16:31.876	-1.0					T_				m_e	
WERD	2.64	247.5	Pn	00:15:55.099	1.0					T_				m_e ML	3.0
WERD	2.64	247.5	Sg	00:16:34.638	-0.6					T_				m_e	
MOX	2.97	254.6	Pn	00:15:59.443	0.8					T_				m_e ML	3.3
MOX	2.97	254.6	Sg	00:16:46.301	0.5					T_				m_e	
ROTZ	3.04	236.4	Pn	00:16:00.922	1.3					T_				m_e ML	3.0

ROTZ	3.04	236.4	Sg	00:16:47.022	-1.1	T__	m_e		
GEC2	3.09	211.1	Pn	00:16:01.797	1.5	T__	m_e ML	3.1	
GEC2	3.09	211.1	Sg	00:16:48.909	-0.8	T__	m_e		
WET	3.16	222.4	Pn	00:16:02.276	1.1	T__	m_e ML	3.1	
WET	3.16	222.4	Sg	00:16:52.768	1.1	T__	m_e		
CLZ	3.59	277.4	Pn	00:16:08.984	2.0	T__	m_e ML	3.2	
GRA1	3.61	241.5	Pn	00:16:08.880	1.5	T__	m_e ML	3.5	
GRA1	3.61	241.5	Sg	00:17:07.010	0.8	T__	m_e		

Event 70731308 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2007/07/31	16:40:52.04	0.44		51.5110	16.2290	5.6	2.2	021	1.0f		25	15	200	0.67	3.66	m i ki	BGR	70731328

Magnitude	Err	Nsta	Author	OrigID
ML	3.5		BGR	70731328

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KSP	0.67	176.5	Pn	16:41:05.577	-2.5					T__				m_e ML	2.9
KSP	0.67	176.5	Sg	16:41:14.374	1.1					T__				m_e	
DPC	1.16	177.1	Pn	16:41:14.457	-0.3					T__				m_e ML	3.2
DPC	1.16	177.1	Sg	16:41:29.932	1.0					T__				m_e	
BRG	1.57	246.9	Pn	16:41:20.281	0.0					T__				m_e ML	3.2
BRG	1.57	246.9	Sg	16:41:41.956	0.1					T__				m_e	
MORC	1.92	153.8	Pn	16:41:26.184	1.1					T__				m_e ML	3.1
MORC	1.92	153.8	Sg	16:41:51.169	-2.0					T__				m_e	
CLL	2.02	265.5	Pn	16:41:26.679	0.3					T__				m_e ML	3.4
CLL	2.02	265.5	Pg	16:41:31.000	0.8					---				m_e	
CLL	2.02	265.5	Sg	16:41:56.819	0.5					T__				m_e	
OKC	2.07	143.3	Pn	16:41:28.275	1.2					T__				m_e	
OKC	2.07	143.3	Sg	16:41:57.771	0.0					T__				m_e	
OJC	2.60	118.4	Pn	16:41:36.395	2.2					T__				m_e ML	3.8
TANN	2.61	246.7	Pn	16:41:35.648	1.2					T__				m_e ML	3.7
TANN	2.61	246.7	Sg	16:42:15.333	0.3					T__				m_e	
WERD	2.69	248.2	Pn	16:41:36.527	1.1					T__				m_e ML	3.6
WERD	2.69	248.2	Sg	16:42:16.731	-0.7					T__				m_e	
MGBB	2.97	240.4	Pn	16:41:40.300	1.0					---				mdi ML	3.1
MOX	3.02	255.2	Pn	16:41:40.902	0.9					T__				m_e ML	3.8
MOX	3.02	255.2	Pg	16:41:49.100	0.1					---				m_e	
MOX	3.02	255.2	Sg	16:42:29.600	1.5					---				m_e	
ROTZ	3.09	237.2	Pn	16:41:42.046	1.2					T__				m_e ML	3.5
ROTZ	3.09	237.2	Sg	16:42:29.888	-0.3					T__				m_e	
GEC2	3.12	212.2	Pn	16:41:42.800	1.5					T__				m_e ML	3.7
WET	3.19	223.4	Pn	16:41:43.423	1.2					T__				m_e ML	3.6
CLZ	3.65	277.5	Pn	16:41:50.392	2.0					T__				m_e ML	3.7
GRA1	3.66	242.2	Pn	16:41:50.282	1.7					T__				m_e ML	4.1
GRA1	3.66	242.2	Sg	16:42:48.866	0.5					T__				m_e	
HROE	3.94	258.1	Pn	16:41:53.700	1.3					---				mdi ML	3.7

DATA\_TYPE ARRIVAL: REVIEWED IMS1.0

Net	Sta	Chan	Aux	Date	Time	Phase	Azim	Slow	SNR	Amp	Per	Qual	Author	ArrID
	CLL			2007/07/04	01:31:02.000	Sg						m_e	CLL	
	SCE			2007/07/07	05:38:08.400	Pg						mci	SCE	
	SCE			2007/07/07	05:38:24.200	Sg						m_e	SCE	
	CLL			2007/07/10	02:31:54.000	Sg						m_e	CLL	
	CLL			2007/07/10	12:55:00.800	Sg						m_i	CLL	
	SCE			2007/07/10	17:52:24.200	Pn						mci	SCE	
	CLL			2007/07/20	18:32:52.300	Pg						m_i	CLL	
	CLL			2007/07/20	18:32:57.400	Sg						m_i	CLL	
	CLL			2007/07/21	15:15:44.000	Pn						m_e	CLL	
	CLL			2007/07/21	15:16:48.000	Sg						m_e	CLL	