

## DATA\_TYPE BULLETIN IMS1.0

BGR Bulletin for Germany and adjacent areas

Event 50610004 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2015/06/10	03:46:54.40	0.62	1.89	51.4640	16.2366	6.6	3.8	034	0.0	0.0	17	3	010			m i sr	ZAMG	50610014
2015/06/10	03:46:56.34	0.28	1.01	51.3890	16.1570	4.4	2.2	024	1.0f		51	22	154	0.55	3.91	m i ki	BGR	50610004

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.9	0.0	5 ZAMG	50610014
ML	3.0	0.3	21 BGR	50610004

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KSP	0.55	171.0	Pg	03:47:07.098	0.3					T__				m_e	ML 2.2
KSP	0.55	171.0	Sg	03:47:15.412	1.5					T__				m_e	
BRG	1.48	250.5	Pn	03:47:22.383	-1.0					T__				m_e	ML 2.6
BRG	1.48	250.5	Pg	03:47:24.441	0.2					T__				m_e	
BRG	1.48	250.5	Sg	03:47:44.389	1.0					T__				m_e	
FBE	1.82	256.2	Pg	03:47:30.207	-0.4					T__				m_e	ML 2.6
FBE	1.82	256.2	Sg	03:47:55.155	1.0					T__				m_e	
RUE	1.82	307.5	Pn	03:47:25.966	-2.1					T__				m_e	ML 3.1
RUE	1.82	307.5	Pg	03:47:31.222	0.5					T__				m_e	
RUE	1.82	307.5	Sg	03:47:53.326	-1.0					T__				m_e	
MORC	1.84	150.8	Pn	03:47:27.651	-0.5					T__				m_e	ML 3.0
MORC	1.84	150.8	Sg	03:47:53.435	-1.2					T__				m_e	
CLL	1.97	268.9	Pn	03:47:28.591	-1.4					T__				m_e	ML 2.8
CLL	1.97	268.9	Pg	03:47:32.959	-0.5					T__				m_e	
CLL	1.97	268.9	Sg	03:47:59.368	0.4					T__				m_e	
LNIZ	2.42	331.3	Pn	03:47:33.219	-2.8					T__				m_e	ML 3.4
TANN	2.53	248.8	Pn	03:47:37.649	0.1					T__				m_e	ML 2.9
TANN	2.53	248.8	Pg	03:47:44.437	0.5					T__				m_e	
TANN	2.53	248.8	Sg	03:48:17.012	0.4					T__				m_e	
WERD	2.60	250.3	Pn	03:47:38.617	0.0					T__				m_e	ML 2.9
WERD	2.60	250.3	Pg	03:47:44.953	-0.4					T__				m_e	
WERD	2.60	250.3	Sg	03:48:20.085	1.0					T__				m_e	
GUNZ	2.62	248.5	Pn	03:47:39.222	0.4					T__				m_e	ML 3.1
GUNZ	2.62	248.5	Pg	03:47:45.430	-0.3					T__				m_e	
GUNZ	2.62	248.5	Sg	03:48:20.583	0.9					T__				m_e	
WERN	2.63	246.7	Pn	03:47:39.076	0.1					T__				m_e	ML 3.1
WERN	2.63	246.7	Pg	03:47:46.753	0.9					T__				m_e	
WERN	2.63	246.7	Sg	03:48:21.390	1.5					T__				m_e	
PLN	2.68	251.8	Pg	03:47:46.326	-0.5					T__				m_e	ML 3.0
PLN	2.68	251.8	Sg	03:48:21.502	0.1					T__				m_e	
NEUB	2.75	267.9	Pg	03:47:47.404	-0.7					T__				m_e	ML 3.5
NEUB	2.75	267.9	Sg	03:48:24.851	1.3					T__				m_e	
MOX	2.95	257.2	Pg	03:47:52.008	0.0					T__				m_e	ML 3.2
MOX	2.95	257.2	Sg	03:48:30.742	0.6					T__				m_e	
ROTZ	2.99	238.6	Pn	03:47:44.362	0.6					T__				m_e	ML 2.9
ROTZ	2.99	238.6	Pg	03:47:52.679	0.1					T__				m_e	
ROTZ	2.99	238.6	Sg	03:48:31.290	0.1					T__				m_e	
GEC2	2.99	212.7	Pn	03:47:43.946	0.1					T__				m_e	ML 3.0
GEC2	2.99	212.7	Pg	03:47:51.132	-1.6					T__				m_e	
GEC2	2.99	212.7	Sg	03:48:30.534	-0.8					T__				m_e	
WET	3.07	224.3	Pn	03:47:45.527	0.6					T__				m_e	ML 2.9

WET	3.07	224.3	Sg	03:48:34.328	0.4	T__	m_e		
FLT1	3.18	289.1	Pg	03:47:57.573	1.3	T__	m_e ML	2.9	
NIE	3.30	125.0	Pg	03:47:57.880	-0.7	T__	m_e		
NIE	3.30	125.0	Sg	03:48:43.254	2.1	T__	m_e		
GRA1	3.56	243.5	Sg	03:48:50.380	0.8	T__	m_e ML	3.5	
CLZ	3.62	279.4	Pn	03:47:52.739	0.4	T__	m_e ML	3.1	
CLZ	3.62	279.4	Pg	03:48:04.174	-0.4	T__	m_e		
CLZ	3.62	279.4	Sg	03:48:53.105	1.8	T__	m_e		
UBBA	3.91	264.0	Pg	03:48:09.385	-0.6	T__	m_e ML	3.2	
UBBA	3.91	264.0	Sg	03:49:02.155	1.7	T__	m_e		

Event 50611007 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2015/06/11	13:55:11.78	0.25	0.95	50.1100	19.0410	4.4	2.2	010	1.0of		25	18	098	0.50	4.76	m i ki	BGR	50611007

Magnitude	Err	Nsta	Author	OrigID
ML	3.0	0.3	16 BGR	50611007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
OJC	0.50	77.0	Pg	13:55:20.230	-0.9					T__				m_e ML	2.5
OJC	0.50	77.0	Sg	13:55:26.606	-1.0					T__				m_e	
MORC	1.02	251.5	Pg	13:55:31.755	0.7					T__				m_e ML	3.2
MORC	1.02	251.5	Sg	13:55:45.791	1.6					T__				m_e	
NIE	1.07	129.6	Pg	13:55:31.099	-0.9					T__				m_e	
NIE	1.07	129.6	Sg	13:55:47.473	1.6					T__				m_e	
KSP	1.90	293.8	Pn	13:55:44.972	0.5					T__				m_e ML	2.7
KSP	1.90	293.8	Pg	13:55:47.982	0.5					T__				m_e	
KSP	1.90	293.8	Sg	13:56:12.272	0.3					T__				m_e	
BEL	2.05	31.9	Sg	13:56:17.496	0.7					T__				m_e	
PSZ	2.26	165.4	Pg	13:55:54.514	0.1					T__				m_e ML	2.5
PSZ	2.26	165.4	Sg	13:56:23.859	0.2					T__				m_e	
BRG	3.33	285.2	Pg	13:56:15.603	1.0					T__				m_e ML	2.9
BRG	3.33	285.2	Sg	13:56:58.818	1.2					T__				m_e	
GEC2	3.69	252.0	Sg	13:57:07.761	-1.3					T__				m_e ML	3.2
FBE	3.70	284.8	Sg	13:57:10.807	1.3					T__				m_e ML	3.0
CLL	4.01	289.7	Sg	13:57:19.046	0.0					T__				m_e ML	3.3
WET	4.11	258.8	Sg	13:57:22.131	-0.1					T__				m_e ML	3.2
TANN	4.22	276.7	Sg	13:57:25.425	-0.3					T__				m_e ML	3.2
WERN	4.27	274.9	Sg	13:57:27.103	-0.3					T__				m_e ML	3.2
GUNZ	4.30	276.0	Sg	13:57:27.397	-0.9					T__				m_e ML	3.2
ROTZ	4.41	268.2	Sg	13:57:31.377	-0.5					T__				m_e ML	3.1
PLN	4.41	277.5	Sg	13:57:31.753	-0.2					T__				m_e ML	3.2
MANZ	4.45	271.1	Sg	13:57:32.738	-0.5					T__				m_e ML	3.2
MOX	4.76	279.3	Sg	13:57:45.479	2.4					T__				m_e ML	3.2

Event 50615001 Northern Italy

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2015/06/15	03:14:46.90	0.05	0.73	45.8977	7.3591	1.1	0.8	117	6.0f		178	41	051			m i ke	LDG	50615011
2015/06/15	03:14:49.64	0.56	0.83	45.9820	7.2670	6.7	5.6	111	10.0f		28	17	284	1.39	5.48	m i ke	BGR	50615001

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MD	3.3	0.0	2 LDG	50615011
ML	3.4	0.3	44 LDG	50615011
ML	3.3	0.2	13 BGR	50615001

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BALST	1.39	12.1	Pn	03:15:13.678	-0.6					T__				m_e	
BALST	1.39	12.1	Sg	03:15:34.653	0.9					T__				m_e	
SULZ	1.65	20.2	Pn	03:15:17.152	-0.8					T__				m_e	
SULZ	1.65	20.2	Sg	03:15:42.972	0.8					T__				m_e	
PLONS	1.80	53.0	Pn	03:15:20.502	0.5					T__				m_e	
WILA	1.82	37.5	Pn	03:15:19.958	-0.3					T__				m_e ML	3.5
WILA	1.82	37.5	Sg	03:15:48.016	0.4					T__				m_e	
SLE	1.97	24.7	Pn	03:15:21.074	-1.2					T__				m_e ML	3.6
SLE	1.97	24.7	Pg	03:15:25.174	-1.7					T__				m_e	
SLE	1.97	24.7	Sg	03:15:51.814	-0.5					T__				m_e	
DAVA	2.22	53.0	Pg	03:15:28.991	-2.5					T__				m_e ML	3.1
DAVA	2.22	53.0	Sg	03:15:59.002	-1.2					T__				m_e	
BFO	2.46	16.7	Pn	03:15:27.317	-1.5					T__				m_e ML	2.9
BFO	2.46	16.7	Pg	03:15:34.109	-1.9					T__				m_e	
BFO	2.46	16.7	Sg	03:16:06.663	-1.1					T__				m_e	
UBR	2.58	47.8	Pn	03:15:31.285	0.8					T__				m_e ML	3.4
UBR	2.58	47.8	Pg	03:15:36.996	-1.3					T__				m_e	
UBR	2.58	47.8	Sg	03:16:11.221	-0.5					T__				m_e	
STU	3.08	24.4	Pg	03:15:46.475	-1.2					T__				m_e ML	3.5
STU	3.08	24.4	Sg	03:16:27.029	-0.5					T__				m_e	
WTTA	3.26	65.3	Pn	03:15:41.667	1.9					T__				m_e ML	3.0
WLF	3.76	348.9	Sg	03:16:48.930	-0.1					T__				m_e ML	3.3
GRA1	4.56	34.1	Sg	03:17:14.181	-0.4					T__				m_e ML	3.7
WET	4.93	48.1	Sg	03:17:24.968	-1.3					T__				m_e ML	3.2
ROTZ	5.03	39.4	Sg	03:17:28.431	-1.0					T__				m_e ML	3.3
MANZ	5.15	37.2	Sg	03:17:33.761	0.5					T__				m_e ML	3.3
GEC2	5.21	54.3	Pn	03:16:06.632	0.5					T__				m_e	
MOX	5.48	30.2	Sg	03:17:41.734	-2.2					T__				m_e ML	3.3

Event 50620003 Switzerland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2015/06/20	10:30:22.80	0.04	0.87	46.2415	7.4025	0.9	0.7	116	8.0f		251	41	023			m i k e	LDG	50620013
2015/06/20	10:30:25.54	0.82	0.86	46.3830	7.3950	11.1	10.0	005	10.0f		18	16	300	0.97	4.91	m i k e	BGR	50620003

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MD	3.0	0.1	3 LDG	50620013
ML	3.2	0.3	57 LDG	50620013
ML	3.1	0.4	3 BGR	50620003

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BALST	0.97	12.0	Pg	10:30:45.323	1.3					T__				m_e	
SULZ	1.25	22.9	Pg	10:30:49.426	0.3					T__				m_e	
WILA	1.46	44.5	Pg	10:30:53.381	0.3					T__				m_e	

PLONS	1.52	63.2	Pg	10:30:53.150	-1.0	T__	m_e		
SLE	1.57	28.0	Pg	10:30:54.827	-0.4	T__	m_e ML	3.5	
DAVA	1.93	61.1	Pg	10:31:00.817	-1.0	T__	m_e		
DAVA	1.93	61.1	Sg	10:31:27.864	1.1	T__	m_e		
BFO	2.05	17.7	Pg	10:31:03.663	-0.5	T__	m_e		
OBER	2.23	61.6	Pg	10:31:06.904	-0.7	T__	m_e ML	2.6	
UBR	2.26	54.0	Pg	10:31:07.218	-0.9	T__	m_e		
UBR	2.26	54.0	Sg	10:31:37.901	0.5	T__	m_e		
BE1	3.02	58.2	Pn	10:31:12.758	0.4	T__	m_e		
WTTA	3.03	71.6	Pn	10:31:13.817	1.3	T__	m_e		
NORI	3.20	41.8	Pg	10:31:24.471	-1.3	T__	m_e		
RJOB	3.92	67.8	Pn	10:31:25.464	0.9	T__	m_e ML	3.1	
WET	4.60	51.2	Pn	10:31:32.949	-0.9	T__	m_e		
MOA	4.90	70.1	Pn	10:31:38.182	0.3	T__	m_e		
GEC2	4.91	57.6	Pn	10:31:37.699	-0.3	T__	m_e		

Event 50621003 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2015/06/21	09:31:23.90	0.28	0.98	50.1407	18.6849	9.2	5.1	016	1.0f		26	6	102			m i sr	LDG	50621023
2015/06/21	09:31:20.34	0.32	1.23	50.3248	18.9653	4.2	1.6	169	0.0	0.0	16	3	004			m i sr	ZAMG	50621013
2015/06/21	09:31:21.16	0.37	1.81	50.1500	18.9300	15.6	5.6	176	1.0f		15	11	156	0.56	4.34	m i ki	BGR	50621003

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	3.3	0.5	4 LDG	50621023
ML	2.8	0.3	5 ZAMG	50621013
ML	2.9	0.5	5 BGR	50621003

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
OJC	0.56	82.5	Pg	09:31:30.252	-1.5					T__				m_e	
OJC	0.56	82.5	Sg	09:31:38.678	-0.3					T__				m_e	
OKC	0.59	238.5	Pg	09:31:33.876	1.5					T__				m_e ML	1.9
MORC	0.97	247.8	Pg	09:31:39.931	0.5					T__				m_e	
MORC	0.97	247.8	Sg	09:31:54.967	3.1					T__				m_e	
DPC	1.68	277.8	Pn	09:31:51.136	0.3					T__				m_e	
DPC	1.68	277.8	Sg	09:32:15.406	0.9					T__				m_e	
KSP	1.81	293.5	Pn	09:31:55.055	2.3					T__				m_e ML	2.8
KSP	1.81	293.5	Sg	09:32:19.547	0.7					T__				m_e	
GEC2	3.64	251.0	Sg	09:33:15.739	-1.0					T__				m_e ML	3.3
CLL	3.93	289.4	Sg	09:33:26.637	0.8					T__				m_e	
WET	4.04	257.9	Sg	09:33:26.891	-2.8					T__				m_e ML	3.3
TANN	4.14	276.2	Sg	09:33:31.219	-1.5					T__				m_e ML	3.2
WERD	4.24	276.6	Sg	09:33:34.017	-1.9					T__				m_e	
ROTZ	4.34	267.5	Sg	09:33:37.994	-1.1					T__				m_e	

Event 50622002 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2015/06/22	04:16:59.10	0.15	1.00	51.4902	16.2607	4.0	2.3	004	1.0f		97	24	044			m i sr	LDG	50622022
2015/06/22	04:17:02.62	0.70	1.18	51.3006	16.2011	4.8	4.4	092	0.0	0.0	43	14	004			m i sr	ZAMG	50622012

2015/06/22 04:17:01.37 0.44 0.84 51.4260 16.1700 6.7 3.3 023 1.0f 17 13 145 0.59 3.59 m i ki BGR 50622002  
(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	3.9	0.3	22 LDG	50622022
ML	3.5	0.2	16 ZAMG	50622012
ML	3.7	0.3	10 BGR	50622002

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
KSP	0.59	172.4	Pg	04:17:12.655	0.2					T__				m_e ML	3.0
KSP	0.59	172.4	Sg	04:17:20.536	0.5					T__				m_e	
DPC	1.08	174.8	Pg	04:17:21.430	-0.3					T__				m_e ML	3.7
DPC	1.08	174.8	Sg	04:17:35.248	-0.4					T__				m_e	
FBE	1.84	255.1	Sg	04:17:59.296	-0.4					T__				m_e ML	3.4
MORC	1.87	151.6	Pn	04:17:33.294	-0.3					T__				m_e	
CLL	1.98	267.8	Pn	04:17:34.468	-0.7					T__				m_e ML	3.5
CLL	1.98	267.8	Sg	04:18:04.105	-0.2					T__				m_e	
LNIZ	2.39	330.8	Pn	04:17:39.432	-1.3					T__				m_e ML	4.1
OJC	2.59	116.3	Sg	04:18:23.344	-0.3					T__				m_e ML	3.6
MANZ	2.95	242.3	Pn	04:17:49.167	0.9					T__				m_e	
MOX	2.97	256.5	Sg	04:18:36.641	1.0					T__				m_e ML	3.9
ROTZ	3.01	238.1	Pn	04:17:49.672	0.5					T__				m_e ML	3.7
GEC2	3.03	212.5	Pn	04:17:50.691	1.3					T__				m_e	
WET	3.10	223.9	Pn	04:17:50.792	0.4					T__				m_e ML	3.8
WET	3.10	223.9	Sg	04:18:38.338	-1.6					T__				m_e	
GRA1	3.59	243.0	Pn	04:17:58.130	1.1					T__				m_e ML	4.2

Event 50622005 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2015/06/22	13:11:43.65	0.30	1.10	50.1128	18.4235	3.2	2.4	147	0.0	0.0	17	5	004			m i sr	ZAMG	50622015
2015/06/22	13:11:44.26	0.97	1.25	50.1190	18.3940	14.5	7.8	056	1.0f		14	11	280	0.32	3.70	m i ki	BGR	50622005

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.8	0.2	7 ZAMG	50622015
ML	3.1	0.5	7 BGR	50622005

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
OKC	0.32	209.5	Pg	13:11:50.352	0.0					T__				m_e ML	2.2
MORC	0.65	238.3	Pg	13:11:56.809	0.4					T__				m_e ML	3.1
MORC	0.65	238.3	Sg	13:12:06.345	1.6					T__				m_e	
JAVC	1.34	200.7	Pg	13:12:09.709	0.1					T__				m_e	
JAVC	1.34	200.7	Sg	13:12:27.932	1.0					T__				m_e	
DPC	1.35	280.7	Pg	13:12:10.240	0.6					T__				m_e ML	3.7
VRAC	1.42	235.8	Pg	13:12:10.652	-0.3					T__				m_e	
VRAC	1.42	235.8	Sg	13:12:29.301	-0.0					T__				m_e	
KRUC	1.67	231.6	Pg	13:12:14.263	-1.5					T__				m_e	
PVCC	2.48	281.0	Sg	13:13:05.004	2.1					T__				m_e ML	3.4
PRU	2.48	268.5	Sg	13:13:00.930	-2.0					T__				m_e ML	2.8
KHC	3.27	254.3	Pn	13:12:36.437	0.9					T__				m_e	
GEC2	3.30	249.1	Pg	13:12:45.365	-1.1					T__				m_e ML	3.2
WET	3.70	256.8	Pg	13:12:52.745	-1.3					T__				m_e ML	3.4

## Event 50627010 S of Nancy/F

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2015/06/27	23:21:11.60	0.04	0.84	48.5507	6.1106	0.9	0.7	020	11.0f		171	40	062			m i ke	LDG	50627020
2015/06/27	23:21:11.34	0.50	1.00	48.5720	6.1430	6.7	3.3	067	10.0f		31	14	239	1.09	2.79	m i ke	BGR	50627010

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MD	3.2	0.3	4 LDG	50627020
ML	2.9	0.4	50 LDG	50627020
ML	2.5	0.3	10 BGR	50627010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WLF	1.09	0.3	Pg	23:21:32.268	0.3					T__				m_e	ML 2.1
WLF	1.09	0.3	Sg	23:21:45.812	-0.4					T__				m_e	
ROTT	1.43	66.4	Sg	23:21:57.151	0.2					T__				m_e	
LDE	1.45	64.6	Pg	23:21:39.611	1.0					T__				m_e	
LDE	1.45	64.6	Sg	23:21:59.341	2.0					T__				m_e	
BFO	1.47	98.6	Pn	23:21:36.349	-0.8					T__				m_e	ML 2.1
BFO	1.47	98.6	Pg	23:21:39.587	0.5					T__				m_e	
BFO	1.47	98.6	Sn	23:21:53.387	-2.1					T__				m_e	
BFO	1.47	98.6	Sg	23:21:58.217	0.1					T__				m_e	
KTD	1.48	58.9	Pg	23:21:39.438	0.2					T__				m_e	
KTD	1.48	58.9	Sg	23:21:58.056	-0.3					T__				m_e	
BERGE	1.53	116.6	Sg	23:21:59.649	-0.3					T__				m_e	ML 2.3
ABH	1.60	34.5	Pn	23:21:39.193	0.3					T__				m_e	
ABH	1.60	34.5	Pg	23:21:42.852	1.3					T__				m_e	
ABH	1.60	34.5	Sg	23:22:01.136	-1.1					T__				m_e	
METMA	1.65	120.6	Pg	23:21:43.041	0.6					T__				m_e	ML 2.3
METMA	1.65	120.6	Sn	23:21:57.485	-2.2					T__				m_e	
METMA	1.65	120.6	Sg	23:22:04.015	0.2					T__				m_e	
EMING	1.92	109.6	Pn	23:21:43.122	-0.2					T__				m_e	ML 2.6
EMING	1.92	109.6	Pg	23:21:48.403	0.8					T__				m_e	
EMING	1.92	109.6	Sg	23:22:12.864	0.3					T__				m_e	
STU	2.02	83.2	Sg	23:22:16.003	0.3					T__				m_e	ML 2.8
WALHA	2.15	111.3	Pg	23:21:52.966	1.1					T__				m_e	ML 2.6
WALHA	2.15	111.3	Sg	23:22:20.854	1.2					T__				m_e	
TNS	2.23	41.4	Pn	23:21:47.883	0.4					T__				m_e	ML 2.5
TNS	2.23	41.4	Sg	23:22:21.147	-1.1					T__				m_e	
MILB	2.41	57.4	Pg	23:21:57.064	0.3					T__				m_e	ML 3.0
MILB	2.41	57.4	Sg	23:22:27.830	-0.2					T__				m_e	
UBR	2.79	107.1	Pn	23:21:56.098	1.0					T__				m_e	ML 3.0
UBR	2.79	107.1	Pg	23:22:01.430	-2.6					T__				m_e	
UBR	2.79	107.1	Sg	23:22:40.838	0.7					T__				m_e	

## Event 50628003 Duisburg, Ruhr Coal Mining District

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2015/06/28	07:07:31.20	0.26	0.37	51.5913	6.9121	4.7	2.5	008	1.0f		22	3	276			m i sr	LDG	50628033
2015/06/28	07:07:31.70	0.72	0.31	51.5520	6.9210				1.1	11.1		6	309	0.20	1.27	m i ki	BNS	50628023

2015/06/28 07:07:32.04	0.33	1.03	51.5830	6.8310	5.6	3.3	102	1.0f	16	8	149	0.04	1.10	m i ki BGR	50628013	
2015/06/28 07:07:30.90		0.29	51.5900	6.8600				2.0	1.0	26	15	074	0.02	1.06	m i ki BUG	50628003
(#PRIME)																

Magnitude	Err	Nsta	Author	OrigID
MD	1.7	1	LDG	50628033
ML	2.1	0.2	3 LDG	50628033
ML	1.5		BNS	50628023
ML	1.6	0.2	5 BGR	50628013
MD	2.3	0.1	11 BUG	50628003
ML	2.0	0.2	5 BUG	50628003

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ZER1	0.02	282.3	Pg	07:07:31.300	-0.1					T__				m__	ML 1.5
ZER1	0.02	282.3	Sg	07:07:32.500	0.7					T__		9.2		m__	
ZER3	0.03	329.5	Pg	07:07:31.600	0.1					T__				m__	ML 1.4
ZER3	0.03	329.5	Sg	07:07:32.900	1.0					T__		7.0		m__	
ZERL	0.03	10.9	Pg	07:07:31.700	0.1					T__				m__	ML 1.5
ZERL	0.03	10.9	Sg	07:07:33.000	1.0					T__		7.9		m__	
BAVS	0.20	57.0	Pg	07:07:35.400	0.7					T__				m__	
BAVS	0.20	57.0	Sg	07:07:39.100	1.8					T__		1.5		m__	
BAVN	0.22	47.6	Pg	07:07:35.900	0.8					T__				m__	ML 2.0
BAVN	0.22	47.6	Sg	07:07:40.200	2.3					T__		0.9		m__	
LAUG	0.24	167.6	Pg	07:07:35.523	-0.0					___				m__e	
BULI	0.28	118.4	Pg	07:07:36.700	0.4					T__				m__	ML 1.5
BULI	0.28	118.4	Sg	07:07:41.600	1.7					T__		0.2		m__	
BPFI	0.29	126.7	Pg	07:07:37.000	0.7					T__				m__	ML 1.4
BPFI	0.29	126.7	Sg	07:07:41.900	1.9					T__		0.2		m__	
BUG	0.30	120.2	Pg	07:07:36.900	0.4					T__				m__	ML 1.4
BUG	0.30	120.2	Sg	07:07:41.900	1.6					T__		0.2		m__	
BKLB	0.30	120.3	Pg	07:07:36.900	0.4					T__				m__	
WTSB	0.38	354.3	Pg	07:07:38.945	0.9					___				m__e	ML 1.4
WTSB	0.38	354.3	Sg	07:07:44.253	1.3					___				m__e	
HMES	0.54	82.5	Pg	07:07:42.200	1.1					T__				m__	
HMES	0.54	82.5	Sg	07:07:49.600	1.5					T__				m__	
HOBG	0.68	153.8	Pg	07:07:44.198	0.6					___				m__e	
HOBG	0.68	153.8	Sg	07:07:54.352	2.0					___		17.7	0.79	m__e	
IBBN	0.91	37.4	Pg	07:07:49.700	1.7					___				m__	ML 1.8
IBBN	0.91	37.4	Sg	07:08:03.800	4.1					T__		0.1		m__	
IBBE	0.91	38.7	Sg	07:08:03.900	4.0					T__		0.1		m__	ML 1.9
KLL	1.00	200.3	Pg	07:07:50.544	0.7					___				m__e	
DREG	1.01	203.2	Pg	07:07:50.337	0.5					___				m__e	
DREG	1.01	203.2	Sg	07:08:05.002	2.1					___		24.6	0.43	m__e	
HGN	1.01	215.5	Pg	07:07:50.300	0.4					T__				m__	ML 1.7
HGN	1.01	215.5	Sg	07:08:05.000	2.0					T__		0.0		m__	
KAST	1.05	111.1	Pg	07:07:50.900	0.3					T__				m__	ML 1.8
KAST	1.05	111.1	Sg	07:08:06.200	2.1					T__		0.1		m__	
AHRW	1.06	172.5	Pg	07:07:51.177	0.3					___				m__e	ML 1.9
AHRW	1.06	172.5	Sg	07:08:06.900	2.4					T__		0.1		m__	
MEM	1.12	208.9	Pg	07:07:52.455	0.5					___				m__e	
MEM	1.12	208.9	Sg	07:08:07.902	1.5					___				m__e	
KOE	1.29	154.4	Pg	07:07:54.847	-0.3					___				m__e	
HILG	1.30	185.1	Pg	07:07:55.708	0.2					___				m__e	

## Event 50629010 Nancy/F

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2015/06/29	10:52:49.50	0.04	0.63	48.5519	6.1043	0.9	0.7	011	11.0f		159	37	076			m i ke	LDG	50629020
2015/06/29	10:52:50.63	0.58	0.52	48.6240	6.2410	5.6	2.2	069	10.0f		26	17	227	0.73	2.75	m i ke	BGR	50629010

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MD	3.0	0.1	2 LDG	50629020
ML	2.8	0.3	55 LDG	50629020
ML	2.4	0.4	14 BGR	50629010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ECH	0.73	123.4	Pg	10:53:04.312	-0.2					T__				m_e	ML 2.4
ECH	0.73	123.4	Sg	10:53:14.281	0.2					T__				m_e	
WLF	1.04	356.9	Pg	10:53:10.443	0.1					T__				m_e	ML 2.1
WLF	1.04	356.9	Sg	10:53:24.328	0.5					T__				m_e	
RIVT	1.14	17.4	Pg	10:53:11.704	-0.4					T__				m_e	
RIVT	1.14	17.4	Sg	10:53:26.151	-0.7					T__				m_e	
BFO	1.42	101.2	Pg	10:53:17.773	0.4					T__				m_e	ML 2.0
BFO	1.42	101.2	Sg	10:53:36.171	0.5					T__				m_e	
BERGE	1.49	119.5	Pg	10:53:18.980	0.2					T__				m_e	ML 2.1
BERGE	1.49	119.5	Sg	10:53:37.819	-0.3					T__				m_e	
ABH	1.52	33.6	Pg	10:53:19.421	0.1					T__				m_e	
ABH	1.52	33.6	Sg	10:53:38.678	-0.3					T__				m_e	
METMA	1.62	123.4	Sg	10:53:41.952	-0.3					T__				m_e	ML 2.0
SULZ	1.66	130.5	Pg	10:53:21.909	-0.1					T__				m_e	ML 2.2
SULZ	1.66	130.5	Sg	10:53:42.924	-0.6					T__				m_e	
SLE	1.73	118.9	Pg	10:53:23.424	0.2					T__				m_e	ML 2.5
SLE	1.73	118.9	Sg	10:53:45.458	-0.2					T__				m_e	
BODE	1.86	45.4	Sg	10:53:49.962	0.2					T__				m_e	ML 3.2
EMING	1.88	111.8	Pg	10:53:27.411	1.3					T__				m_e	ML 2.6
EMING	1.88	111.8	Sg	10:53:50.874	0.4					T__				m_e	
AHRW	1.99	15.5	Sg	10:53:54.410	0.4					T__				m_e	ML 2.3
TNS	2.15	41.1	Sg	10:53:57.881	-1.1					T__				m_e	ML 2.3
WILA	2.15	123.1	Sg	10:53:59.420	0.3					T__				m_e	ML 2.8
MILB	2.33	57.7	Sg	10:54:05.609	1.0					T__				m_e	ML 2.8
PLONS	2.63	125.6	Sg	10:54:13.750	-0.5					T__				m_e	
UBR	2.75	108.6	Sg	10:54:18.801	0.9					T__				m_e	ML 2.8

## Event 50630013 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2015/06/30	01:03:35.00	0.15	0.63	50.1037	18.4771	4.2	1.9	014	1.0f		68	16	142			m i sr	LDG	50630033
2015/06/30	01:03:36.14	0.25	1.80	50.0942	18.4309	3.9	1.7	155	0.0	0.0	34	8	003			m i sr	ZAMG	50630023
2015/06/30	01:03:37.68	0.31	1.83	50.0620	18.4210	10.0	5.6	003	1.0f		28	12	139	0.29	5.37	m i ki	BGR	50630013

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	3.4	0.3	11 LDG	50630033
ML	2.9	0.3	8 ZAMG	50630023
ML	3.4	0.5	11 BGR	50630013



Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
OKC	0.29	218.2	Pg	01:03:43.176	0.1					T__				m_e	ML 2.3
OKC	0.29	218.2	Sg	01:03:48.241	1.5					T__				m_e	
MORC	0.63	243.6	Pg	01:03:49.299	-0.3					T__				m_e	ML 3.3
MORC	0.63	243.6	Sg	01:03:58.963	1.2					T__				m_e	
OJC	0.90	79.4	Pg	01:03:53.358	-1.2					T__				m_e	
OJC	0.90	79.4	Sg	01:04:05.977	-0.2					T__				m_e	
DPC	1.37	282.9	Pn	01:04:02.633	-0.6					T__				m_e	ML 3.9
DPC	1.37	282.9	Sg	01:04:22.608	1.3					T__				m_e	
KSP	1.56	300.8	Pn	01:04:05.282	-0.5					T__				m_e	ML 2.8
KSP	1.56	300.8	Pg	01:04:08.651	1.5					T__				m_e	
KSP	1.56	300.8	Sg	01:04:27.527	0.2					T__				m_e	
BRG	2.96	287.6	Pn	01:04:30.980	6.2					T__				m_e	ML 3.3
BRG	2.96	287.6	Sg	01:05:11.028	-0.8					T__				m_e	
CLL	3.65	292.0	Pn	01:04:34.270	0.1					T__				m_e	ML 3.6
CLL	3.65	292.0	Pg	01:04:47.289	0.8					T__				m_e	
CLL	3.65	292.0	Sg	01:05:34.869	1.2					T__				m_e	
TANN	3.83	277.6	Pn	01:04:36.150	-0.4					T__				m_e	ML 3.6
TANN	3.83	277.6	Pg	01:04:48.147	-1.7					T__				m_e	
TANN	3.83	277.6	Sg	01:05:38.247	-1.0					T__				m_e	
WERD	3.93	278.0	Pg	01:04:49.883	-1.8					T__				m_e	ML 3.6
WERD	3.93	278.0	Sg	01:05:39.590	-2.9					T__				m_e	
MOX	4.38	280.3	Pn	01:04:44.516	0.5					T__				m_e	ML 3.6
MOX	4.38	280.3	Pg	01:04:58.878	-1.3					T__				m_e	
MOX	4.38	280.3	Sg	01:05:58.261	1.5					T__				m_e	
GRA1	4.65	268.2	Pn	01:04:48.101	0.4					T__				m_e	ML 3.9
GRA1	4.65	268.2	Pg	01:05:03.404	-1.9					T__				m_e	
GRA1	4.65	268.2	Sg	01:06:03.541	-1.9					T__				m_e	
CLZ	5.37	292.4	Sg	01:06:29.932	1.7					T__				m_e	ML 3.6

Event 50630014 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2015/06/30	08:56:15.33	0.53	0.89	50.3405	18.8220	7.5	3.2	165	0.0	0.0	16	3	003			m i sr	ZAMG	50630024
2015/06/30	08:56:16.01	0.34	1.04	50.4000	18.8330	6.7	3.3	010	1.0f		25	12	180	0.64	4.94	m i ki	BGR	50630014

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	3.1	0.3	5 ZAMG	50630024
ML	3.5	0.4	10 BGR	50630014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
OJC	0.64	105.9	Pg	08:56:27.487	-0.6					T__				m_e	
OJC	0.64	105.9	Sg	08:56:36.641	0.2					T__				m_e	
OKC	0.71	218.3	Pg	08:56:29.500	0.0					T__				m_e	ML 2.5
OKC	0.71	218.3	Sg	08:56:40.017	1.3					T__				m_e	
MORC	1.04	233.5	Pg	08:56:35.190	-0.4					T__				m_e	ML 3.7
MORC	1.04	233.5	Sg	08:56:49.820	0.9					T__				m_e	
DPC	1.60	269.2	Pg	08:56:44.902	-1.3					T__				m_e	
DPC	1.60	269.2	Sg	08:57:06.543	-0.4					T__				m_e	
KSP	1.67	286.4	Pn	08:56:46.288	0.7					T__				m_e	ML 3.2
KSP	1.67	286.4	Pg	08:56:47.731	0.2					T__				m_e	

KSP	1.67	286.4	Sg	08:57:10.485	1.4	T__	m_e		
BRG	3.14	280.6	Pg	08:57:14.414	-0.7	T__	m_e ML	3.4	
BRG	3.14	280.6	Sg	08:57:55.204	-0.5	T__	m_e		
GEC2	3.67	246.9	Pg	08:57:23.326	-1.8	T__	m_e ML	3.7	
GEC2	3.67	246.9	Sg	08:58:11.813	-0.8	T__	m_e		
CLL	3.79	286.1	Pg	08:57:27.991	0.6	T__	m_e ML	3.8	
CLL	3.79	286.1	Sg	08:58:16.686	0.3	T__	m_e		
WET	4.04	254.2	Pn	08:57:19.040	1.2	T__	m_e ML	3.7	
WET	4.04	254.2	Sg	08:58:24.643	0.1	T__	m_e		
TANN	4.06	272.7	Pn	08:57:20.139	2.1	T__	m_e ML	3.6	
TANN	4.06	272.7	Pg	08:57:31.824	-0.7	T__	m_e		
TANN	4.06	272.7	Sg	08:58:24.877	-0.1	T__	m_e		
MOX	4.59	275.8	Pn	08:57:24.284	-1.0	T__	m_e ML	3.7	
MOX	4.59	275.8	Sg	08:58:43.489	1.6	T__	m_e		
GRA1	4.94	264.7	Sg	08:58:51.255	-1.6	T__	m_e ML	3.9	

Event 50630011 Stubaier Alps/A

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID
2015/06/30	21:02:06.70	0.16	0.74	47.1645	11.2450	1.1	0.9	175	9.6	1.6	36	9	003			m i f e	ZAMG	50630021
(felt)																		
2015/06/30	21:02:08.69	0.32		47.1580	11.2840	6.7	2.2	175	2.6	2.5	26	14	173	0.26	2.34	m i k e	BGR	50630011
(#PRIME)																		

Magnitude	Err	Nsta	Author	OrigID
ML	2.3	0.2	14 ZAMG	50630021
ML	1.9	0.3	12 BGR	50630011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
WTTA	0.26	66.0	Pg	21:02:12.801	-0.8					T__				m_e ML	1.4
WTTA	0.26	66.0	Sg	21:02:16.423	-0.6					T__				m_e	
UBR	0.95	303.7	Pg	21:02:26.419	-0.2					T__				m_e ML	2.1
UBR	0.95	303.7	Sg	21:02:39.294	0.4					T__				m_e	
DAVA	0.96	278.2	Sg	21:02:40.267	1.0					T__				m_e ML	2.1
RJOB	1.17	59.9	Pg	21:02:31.907	1.1					T__				m_e ML	1.9
RJOB	1.17	59.9	Sg	21:02:49.924	3.9					T__				m_e	
PLONS	1.30	265.9	Pn	21:02:31.731	-1.3					T__				m_e ML	1.6
PLONS	1.30	265.9	Pg	21:02:33.454	0.3					T__				m_e	
PLONS	1.30	265.9	Sg	21:02:51.723	1.7					T__				m_e	
KBA	1.40	92.5	Pn	21:02:33.722	-0.8					T__				m_e ML	1.6
KBA	1.40	92.5	Sg	21:02:52.573	-0.7					T__				m_e	
WALHA	1.58	292.9	Pn	21:02:37.126	0.3					T__				m_e ML	1.8
WALHA	1.58	292.9	Sg	21:02:58.605	-0.2					T__				m_e	
WILA	1.63	279.9	Pn	21:02:38.381	0.8					T__				m_e ML	2.4
WILA	1.63	279.9	Sg	21:03:00.466	-0.1					T__				m_e	
GRC2	1.71	2.0	Sn	21:02:58.858	-1.1					T__				m_e ML	2.0
GRC2	1.71	2.0	Sg	21:03:02.028	-1.0					T__				m_e	
EMING	1.80	295.0	Sg	21:03:04.989	-1.0					T__				m_e ML	2.0
MOA	2.13	70.0	Pg	21:02:47.367	-1.5					T__				m_e ML	1.8
MOA	2.13	70.0	Sg	21:03:16.607	0.3					T__				m_e	
WET	2.25	27.6	Pn	21:02:44.846	-1.1					T__				m_e ML	2.1
WET	2.25	27.6	Sn	21:03:12.694	0.0					T__				m_e	
BFO	2.31	301.6	Pn	21:02:46.886	0.2					T__				m_e	

BFO	2.31	301.6	Pg	21:02:52.475	0.3
GEC2	2.34	42.9	Sn	21:03:16.120	1.5

T__	m_e
T__	m_e

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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