

## Romania - Event 16896 Zona seismica Vrancea

Event local time: Sun Dec 07,2014 23:04:05

Sun Dec 07,2014 21:04:05 GMT N45.87 E27.18 Depth: 40 km ID: 17182

Measurements are based on data extracted and processed by an operator

ML: 4.55 Mw: 4.77 netm0: 0.280E+17 netf0: 1.60 neteqR: 1.55 Nsta: 25

### Station moment magnitude estimates - dbmw

sta	chamw	mw	m0	f0	eqR	timePmw	Pmw	timeSmw	Smw
NEHR	HNT	4.8	0.268E+17	0.68	2.47	21:04:19	synt	21:04:30	synt
GIUM	HNT	5.0	0.399E+17	1.63	1.03	21:04:20	db	21:04:31	synt
PETR	HNT	4.2	0.307E+16	3.15	0.53	21:04:11	db	21:04:16	synt
GHRR	HNT	4.9	0.326E+17	1.00	1.68	21:04:12	synt	21:04:18	synt
MLR	HNT	4.9	0.352E+17	0.61	2.77	21:04:22	db	21:04:34	synt
BUZR	HNT	5.0	0.375E+17	0.75	2.25	21:04:19	synt	21:04:30	synt
SCHL	HNT	4.5	0.880E+16	3.73	0.45	21:04:16	db	21:04:25	synt
GRER	HNT	4.8	0.244E+17	1.23	1.37	21:04:16	db	21:04:23	synt
GISR	HNT	4.9	0.355E+17	2.00	0.84	21:04:18	db	21:04:29	synt
VASR	HNT	5.0	0.459E+17	1.21	1.39	21:04:21	db	21:04:32	synt
PGOR	HNT	5.0	0.459E+17	1.00	1.68	21:04:22	db	21:04:34	synt
PLOR	HNT	5.0	0.463E+17	0.58	2.89	21:04:13	db	21:04:20	synt
ISR	HNT	5.2	0.956E+17	0.40	4.23	21:04:21	db	21:04:32	synt
ODBI	HNT	4.5	0.877E+16	2.60	0.65	21:04:11	db	21:04:16	synt
TESR	HNT	4.6	0.125E+17	1.05	1.60	21:04:18	db	21:04:29	synt
CFR	HNT	4.5	0.843E+16	3.45	0.49	21:04:21	db	21:04:34	synt
VARL	HNT	4.7	0.175E+17	2.67	0.63	21:04:15	db	21:04:22	synt
BAC	HNT	4.8	0.268E+17	1.10	1.52	21:04:18	synt	21:04:29	synt
BISRR	HNT	5.0	0.519E+17	1.04	1.61	21:04:15	db	21:04:22	synt
ADJ	HNT	4.6	0.128E+17	1.55	1.08	21:04:12	synt	21:04:18	synt
VR	HNT	4.2	0.310E+16	2.10	0.80	21:04:12	db	21:04:19	synt
PLOR4	HNT	5.0	0.462E+17	0.58	2.89	21:04:14	synt	21:04:20	synt
BIR	HNT	4.6	0.116E+17	1.75	0.96	21:04:15	db	21:04:23	synt
OZUR	HNT	4.7	0.146E+17	0.69	2.44	21:04:22	db	21:04:35	synt
TUDR	HNT	4.5	0.698E+16	3.39	0.49	21:04:14	db	21:04:22	synt

### Motion parameters extracted from Antelope tables

NEHR	HNZ	84		0.17	0.01	0.41	0.11	0.01	0.0001	0.0394
NEHR	HNN	84		0.22	0.02	0.53	0.19	0.02	0.0002	0.0714
NEHR	HNE	84		0.20	0.01	0.74	0.18	0.02	0.0002	0.0653
GIUM	HNZ	90	4.8	5.03	0.11	6.37	0.27		0.0299	0.3423
GIUM	HNN	90	4.8	3.90	0.13	5.60	0.51		0.0222	0.4290
GIUM	HNE	90	4.8	4.40	0.16	5.66	0.69	0.05	0.0235	0.5227
PETR	HNZ	16	4.1	25.87	0.46	4.81	0.38		0.2557	1.1708
PETR	HNN	16	4.1	14.72	0.44	16.85	0.83		0.1463	1.2719
PETR	HNE	16	4.1	11.77	0.33	16.97	0.98	0.14	0.1200	0.9216
GHRR	HNZ	27		3.74	0.15	6.65	0.69	0.06	0.0179	0.4760
GHRR	HNN	27		11.08	0.41	23.46	2.22	0.19	0.0535	1.4138
GHRR	HNE	27		9.06	0.33	9.43	1.61	0.14	0.0514	0.9971
MLR	HNZ	105	4.6	0.13	0.01	0.32	0.11	0.01	0.0000	0.0393
MLR	HNN	105	4.6	0.16	0.02	0.39	0.25	0.02	0.0000	0.0759
MLR	HNE	105	4.6	0.17	0.02	0.43	0.33	0.03	0.0000	0.0802
BUZR	HNZ	84		0.43	0.02	0.85	0.14		0.0005	0.0625
BUZR	HNN	84		0.44	0.02	0.95	0.34	0.05	0.0004	0.1186
BUZR	HNE	84		0.44	0.03	0.99	0.32	0.04	0.0005	0.1386
SCHL	HNZ	64	4.4	8.74	0.15	2.39	0.29	0.03	0.0545	0.4037

SCHL	HNN	64	4.4	6.27	0.15	9.01	0.70	0.06	0.0284	0.5416
SCHL	HNE	64	4.4	9.88	0.28	7.35	0.43	0.08	0.0527	0.7702
GRER	HNZ	56	4.6	2.17	0.05	1.78	0.46	0.04	0.0066	0.1762
GRER	HNN	56	4.6	1.75	0.09	4.07	0.72	0.10	0.0055	0.3318
GRER	HNE	56	4.6	2.56	0.09	5.11	0.60	0.05	0.0056	0.3506
GISR	HNZ	82	4.9	7.05	0.16	9.15	0.39		0.0459	0.4995
GISR	HNN	82	4.9	6.03	0.18	9.58	1.10	0.07	0.0330	0.6376
GISR	HNE	82	4.9	7.16	0.22	9.07	1.47		0.0366	0.7335
SECR	HNE	127	4.5	0.28	0.02	0.64	0.19		0.0003	0.0839
VASR	HNZ	97	5.4	5.53	0.07	1.72	0.35	0.04	0.0236	0.2131
VASR	HNN	97	5.4	4.06	0.12	2.65	1.19	0.07	0.0147	0.4305
VASR	HNE	97	5.4	3.99	0.08	2.35	0.74	0.05	0.0153	0.2673
PGOR	HNZ	106	4.7	1.34	0.03	0.78	0.12	0.01	0.0028	0.0765
PGOR	HNN	106	4.7	1.01	0.03	1.15	0.30	0.02	0.0017	0.1436
PGOR	HNE	106	4.7	1.34	0.04	1.63	0.34	0.03	0.0025	0.1711
PLOR	HNZ	41	4.6	0.79	0.03	1.86	0.16	0.01	0.0013	0.1215
PLOR	HNN	41	4.6	1.51	0.10	6.23	0.73	0.06	0.0037	0.3919
PLOR	HNE	41	4.6	1.35	0.07	4.47	0.71	0.04	0.0036	0.3208
ISR	HNZ	97	4.3	0.16	0.01	0.48	0.13	0.02	0.0001	0.0463
ISR	HNN	97	4.3	0.27	0.02	0.71	0.28	0.02	0.0004	0.0960
ISR	HNE	97	4.3	0.26	0.02	0.59	0.33	0.03	0.0003	0.0819
ODBI	HNZ	15	4.4	22.50	0.54	30.33	1.25	0.15	0.3318	1.6607
ODBI	HNN	15	4.4	45.42	1.27	68.14	2.88	0.43	0.7041	4.0397
ODBI	HNE	15	4.4	40.92	1.38	50.29	2.95	0.45	0.6316	3.7774
TESR	HNZ	82	4.2	0.27	0.01	0.25	0.07	0.01	0.0002	0.0322
TESR	HNN	82	4.2	0.26	0.01	0.44	0.16	0.01	0.0002	0.0564
TESR	HNE	82	4.2	0.30	0.02	0.58	0.16	0.01	0.0002	0.0674
CFR	HNZ	106	4.8	2.56	0.04	2.10	0.08		0.0083	0.1227
CFR	HNN	106	4.8	4.75	0.10	4.88	0.15	0.02	0.0333	0.3059
CFR	HNE	106	4.8	3.80	0.07	2.84	0.17	0.02	0.0208	0.2258
VARL	HNZ	51	5.0	7.78	0.15	4.58	0.62		0.0770	0.4568
VARL	HNN	51	5.0	16.24	0.42	17.03	0.91	0.20	0.1736	1.3130
VARL	HNE	51	5.0	11.85	0.33	11.03	0.98		0.1227	0.9377
BAC	HNZ	80		0.48	0.02	0.49	0.27		0.0007	0.0780
BAC	HNN	80		1.00	0.04	1.48	0.47		0.0010	0.1657
BAC	HNE	80		0.79	0.05	1.02	0.89	0.05	0.0011	0.2255
BISRR	HNZ	51	5.4	1.05	0.08	1.99	1.46	0.07	0.0021	0.3995
BISRR	HNN	51	5.4	1.02	0.08	3.61	1.33	0.08	0.0034	0.4356
BISRR	HNE	51	5.4	2.08	0.18	3.64	3.88	0.15	0.0066	0.8763
ADJ	HNZ	25		4.01	0.11	4.56	0.52	0.04	0.0145	0.3365
ADJ	HNN	25		6.80	0.25	13.69	1.21	0.13	0.0228	0.7938
ADJ	HNE	25		10.89	0.39	13.37	1.84	0.17	0.0357	1.2603
VRI	HNZ	35	4.2	0.87	0.03	1.69	0.14	0.02	0.0011	0.0970
VRI	HNN	35	4.2	1.43	0.05	2.33	0.25		0.0017	0.1725
VRI	HNE	35	4.2	2.69	0.08	5.44	0.37		0.0081	0.2877
PLOR4	HNZ	41		0.79	0.03	1.86	0.16	0.01	0.0013	0.1217
PLOR4	HNN	41		1.51	0.10	6.23	0.73	0.06	0.0037	0.3919
PLOR4	HNE	41		1.35	0.07	4.47	0.71	0.04	0.0036	0.3208
BIR	HNZ	54	4.4	2.10	0.06	3.28	0.26	0.03	0.0079	0.1911
BIR	HNN	54	4.4	2.30	0.07	3.83	0.41	0.04	0.0106	0.2501
BIR	HNE	54	4.4	2.88	0.10	3.95	0.53	0.04	0.0137	0.3374
OZUR	HNZ	111	4.3	0.26	0.00	0.14	0.08	0.01	0.0000	0.0160
OZUR	HNN	111	4.3	0.24	0.01	0.25	0.12	0.01	0.0000	0.0394
OZUR	HNE	111	4.3	0.20	0.01	0.23	0.07	0.01	0.0000	0.0279
TUDR	HNZ	48	4.3	23.94	0.32	3.70	0.28		0.5093	0.7860
TUDR	HNN	48	4.3	11.73	0.31	9.41	0.57		0.0955	0.9207
TUDR	HNE	48	4.3	8.72	0.25	11.13	0.51		0.0788	0.7403