

## Romania - Event 16723 Zona seismica Vrancea

Event local time: Sat Nov 22,2014 21:14:17

Sat Nov 22,2014 19:14:17 GMT N45.87 E27.15 Depth: 40 km ID: 17011

Measurements are based on data extracted and processed by an operator

ML: 5.70 Mw: 5.51 netm0: 0.353E+18 netf0: 0.82 neteqR: 1.93 Nsta: 24

### Station moment magnitude estimates - dbmw

sta	chamw	mw	m0	f0	eqR	timePmw	Pmw	timeSmw	Smw
NEHR	HNT	5.6	0.352E+18	0.46	2.73	19:14:31	synt	19:14:41	synt
PETR	HNT	5.3	0.111E+18	0.67	1.89	19:14:24	synt	19:14:29	synt
GHRR	HNT	5.4	0.196E+18	0.64	1.98	19:14:24	db	19:14:30	synt
MLR	HNT	5.8	0.731E+18	0.44	2.88	19:14:34	db	19:14:46	synt
BUZR	HNT	5.8	0.818E+18	0.50	2.52	19:14:31	synt	19:14:42	synt
SCHL	HNT	5.5	0.225E+18	1.38	0.92	19:14:28	db	19:14:38	synt
GRER	HNT	5.7	0.509E+18	0.74	1.72	19:14:28	db	19:14:36	synt
GISR	HNT	5.7	0.577E+18	1.16	1.09	19:14:31	db	19:14:42	synt
VASR	HNT	5.8	0.720E+18	0.72	1.76	19:14:33	db	19:14:45	synt
PGOR	HNT	5.8	0.601E+18	0.64	1.99	19:14:34	db	19:14:47	synt
PLOR	HNT	5.3	0.127E+18	0.67	1.88	19:14:25	db	19:14:32	synt
ISR	HNT	5.9	0.103E+19	0.45	2.82	19:14:33	db	19:14:44	synt
ODBI	HNT	5.4	0.156E+18	0.77	1.66	19:14:23	db	19:14:28	synt
TESR	HNT	5.3	0.126E+18	0.54	2.35	19:14:30	db	19:14:41	synt
CFR	HNT	5.1	0.673E+17	3.00	0.42	19:14:33	db	19:14:47	synt
VARL	HNT	5.7	0.473E+18	0.81	1.56	19:14:27	synt	19:14:35	synt
BAC	HNT	5.5	0.267E+18	0.57	2.23	19:14:30	synt	19:14:41	synt
BISRR	HNT	5.7	0.520E+18	0.87	1.46	19:14:27	db	19:14:34	synt
ADJ	HNT	5.4	0.201E+18	0.49	2.60	19:14:24	synt	19:14:30	synt
VRI	HNT	5.2	0.765E+17	0.48	2.61	19:14:24	db	19:14:31	synt
PLOR4	HNT	5.3	0.127E+18	0.67	1.88	19:14:26	synt	19:14:32	synt
BIR	HNT	5.4	0.179E+18	0.75	1.69	19:14:27	db	19:14:35	synt
OZUR	HNT	5.4	0.173E+18	0.44	2.90	19:14:34	db	19:14:47	synt
TUDR	HNT	5.3	0.119E+18	1.83	0.69	19:14:26	db	19:14:34	synt

### Motion parameters extracted from Antelope tables

NEHR	HNZ	82	1.77	0.17	6.20	3.80	0.45	0.0122	0.9548	
NEHR	HNN	82	3.98	0.35	15.93	2.68	0.92	0.0366	1.6134	
NEHR	HNE	82	3.23	0.31	12.12	4.40	1.02	0.0332	1.8014	
PETR	HNZ	17	120.86	2.01	45.88	5.25	0.88	8.9684	5.9489	
PETR	HNN	17	76.55	3.64	97.62	26.70	2.24	4.6452	12.2588	
PETR	HNE	17	98.77	5.52	320.11	42.02	4.77	8.5167	21.1951	
GHRR	HNZ	29	5.3	28.02	0.91	39.56	6.85	1.00	0.7043	3.3465
GHRR	HNN	29	5.3	73.65	4.31	98.40	25.90	2.02	2.3016	11.9530
GHRR	HNE	29	5.3	29.67	1.80	58.08	18.20	1.65	1.4432	7.3261
MLR	HNZ	102	5.8	1.68	0.23	3.65	1.52	0.38	0.0061	0.9194
MLR	HNN	102	5.8	2.51	0.40	11.97	2.39	1.41	0.0128	1.9582
MLR	HNE	102	5.8	2.58	0.49	7.19	4.07	1.00	0.0115	1.9379
BUZR	HNZ	84	4.43	0.31	8.51	5.59	0.99	0.0749	2.0095	
BUZR	HNN	84	6.00	1.10	13.28	11.58	2.69	0.1771	4.6926	
BUZR	HNE	84	7.20	0.71	21.09	9.97	2.49	0.1672	4.0348	
SCHL	HNZ	66	5.9	77.18	2.12	42.09	11.24	0.74	4.1427	6.3748
SCHL	HNN	66	5.9	55.70	3.15	130.25	25.30	1.94	3.6823	11.7986
SCHL	HNE	66	5.9	69.09	2.43	93.69	19.37	1.55	4.8070	9.3962
GRER	HNZ	55	6.3	16.57	0.66	29.10	13.12	1.28	0.7331	4.1654
GRER	HNN	55	6.3	32.53	2.31	78.41	25.42	3.90	1.5539	9.1993

GRER	HNE	55	6.3	34.13	1.90	129.91	17.40	1.37	1.5032	7.6934
GISR	HNZ	84	6.0	54.21	1.82	95.98	13.51	0.86	3.1921	6.5926
GISR	HNN	84	6.0	55.40	3.28	133.42	31.84	3.36	4.0207	12.5626
GISR	HNE	84	6.0	74.92	4.22	216.99	45.16	2.41	5.5305	14.8325
SECR	HNZ	125	5.7	2.25	0.23	4.05	3.31	0.70	0.0239	1.0034
SECR	HNE	125	5.7	5.00	0.38	14.82	6.12	1.89	0.0726	2.4111
VASR	HNZ	99	5.4	69.03	1.02	24.83	2.98	1.22	1.8981	3.1691
VASR	HNN	99	5.4	54.19	1.75	32.45	10.23	1.40	1.7215	5.6853
VASR	HNE	99	5.4	46.09	1.14	21.49	7.02	1.20	1.5677	3.5542
PGOR	HNZ	106	6.0	10.31	0.35	8.25	3.20	0.47	0.1796	1.7484
PGOR	HNN	106	6.0	11.89	0.73	17.44	7.67	0.90	0.2571	3.1941
PGOR	HNE	106	6.0	10.12	1.04	19.28	9.77	1.40	0.2835	3.6925
PLOR	HNZ	39	5.6	6.01	0.41	16.99	2.69	0.51	0.0983	1.5566
PLOR	HNN	39	5.6	14.71	0.80	43.38	6.06	0.57	0.3184	3.4361
PLOR	HNE	39	5.6	15.63	0.90	46.23	9.79	1.37	0.3394	4.3248
ISR	HNZ	95	5.7	2.22	0.26	6.29	4.06	0.99	0.0288	1.4609
ISR	HNN	95	5.7	4.19	0.48	12.34	9.09	1.30	0.1079	3.2027
ISR	HNE	95	5.7	4.06	0.47	9.78	8.04	1.33	0.0954	2.8333
ODBI	HNZ	13	4.7	105.29	3.66	216.23	22.47	1.67	10.7824	11.9385
ODBI	HNN	13	4.7	286.94	7.48	367.37	41.20	4.21	21.3421	26.4724
ODBI	HNE	13	4.7	198.94	8.84	549.52	69.62	9.02	17.0364	33.0611
TESR	HNZ	81	5.4	2.54	0.10	5.34	0.66	0.21	0.0178	0.4306
TESR	HNN	81	5.4	5.29	0.16	7.63	1.25	0.35	0.0231	0.6828
TESR	HNE	81	5.4	5.54	0.22	14.90	1.03	0.42	0.0366	0.9719
CFR	HNZ	108	6.2	23.32	0.81	49.23	1.75	0.21	0.7696	2.3629
CFR	HNN	108	6.2	66.37	1.88	92.84	5.18	0.72	3.7718	5.6545
CFR	HNE	108	6.2	38.99	1.16	78.35	4.73	0.51	1.7458	3.9023
VARL	HNZ	54		36.09	1.21	36.24	17.79	1.13	2.1103	5.5469
VARL	HNN	54		80.22	3.56	154.45	35.84	4.20	4.7439	14.5631
VARL	HNE	54		57.44	2.83	105.54	24.60	2.73	4.2649	11.5748
BAC	HNZ	79		5.96	0.19	7.63	1.28	0.27	0.0774	0.8153
BAC	HNN	79		12.12	0.76	21.75	3.37	0.78	0.1505	2.5490
BAC	HNE	79		9.60	0.51	19.86	4.18	1.13	0.1359	2.0675
BISRR	HNZ	49	6.3	16.15	1.64	32.25	42.02	2.74	0.4289	9.5806
BISRR	HNN	49	6.3	18.22	2.74	38.57	44.13	4.04	0.8940	12.9828
BISRR	HNE	49	6.3	33.96	4.13	43.01	108.26	3.81	1.4895	19.7265
ADJ	HNZ	25		32.19	0.84	19.52	3.44	1.15	0.8268	2.3833
ADJ	HNN	25		35.78	2.19	92.44	10.17	2.69	0.8802	6.6821
ADJ	HNE	25		38.04	2.35	71.62	10.19	2.78	1.1932	7.3164
VRI	HNZ	32	5.1	7.53	0.28	11.70	1.91	0.52	0.0730	1.0853
VRI	HNN	32	5.1	9.62	0.46	25.88	2.62	0.54	0.1580	1.6723
VRI	HNE	32	5.1	18.42	0.70	34.20	4.27	0.76	0.5422	2.5008
PLOR4	HNZ	39		6.01	0.41	16.99	2.69	0.51	0.0983	1.5566
PLOR4	HNN	39		14.71	0.80	43.38	6.06	0.57	0.3184	3.4361
PLOR4	HNE	39		15.63	0.90	46.23	9.79	1.37	0.3394	4.3248
BIR	HNZ	55	5.6	17.21	0.55	21.73	3.99	0.79	0.5493	2.0486
BIR	HNN	55	5.6	28.00	0.95	35.81	5.64	1.32	0.9410	3.6294
BIR	HNE	55	5.6	37.40	1.62	42.34	8.64	1.82	1.4627	5.1841
OZUR	HNZ	108	5.2	0.60	0.04	1.56	0.84	0.37	0.0011	0.2187
OZUR	HNN	108	5.2	1.65	0.10	2.66	0.89	0.21	0.0048	0.4569
OZUR	HNE	108	5.2	1.13	0.11	2.27	0.78	0.25	0.0039	0.4619
TUDR	HNZ	50	5.6	136.05	2.27	41.92	8.97	0.86	22.3724	6.2292
TUDR	HNN	50	5.6	177.82	4.26	176.31	14.80	1.37	11.8471	13.2093
TUDR	HNE	50	5.6	97.89	2.86	162.84	21.28	1.89	8.9071	10.4394