

Romania - Event 22139 Zona seismica Vrancea

Event local time: Thu Aug 04,2016 13:54:40

Thu Aug 04,2016 10:54:40 GMT N45.62 E26.53 Depth: 150 km ID: 22399

Measurements are based on data extracted and processed by an operator

ML: 4.30 Mw: 4.04 netm0: 0.309E+16 netf0: 2.20 neteqR: 0.83 Nsta: 26

Station moment magnitude estimates - dbmw

| sta | chamw | mw | m0 | f0 | eqR | timePmw | Pmw | timeSmw | Smw |
|-------|-------|-----|-----------|------|------|----------|------|----------|------|
| NEHR | HNT | 3.5 | 0.240E+15 | 2.60 | 0.64 | 10:55:00 | db | 10:55:16 | synt |
| SCTR | HNT | 4.4 | 0.490E+16 | 2.30 | 0.73 | 10:55:05 | db | 10:55:24 | synt |
| GHRR | HNT | 4.4 | 0.504E+16 | 2.10 | 0.80 | 10:55:03 | db | 10:55:20 | synt |
| MLR | HNT | 3.6 | 0.421E+15 | 1.28 | 1.30 | 10:55:01 | db | 10:55:17 | synt |
| VOIR | HNT | 3.6 | 0.381E+15 | 2.30 | 0.73 | 10:55:05 | synt | 10:55:25 | synt |
| BUZR | HNT | 4.0 | 0.153E+16 | 1.87 | 0.90 | 10:55:01 | synt | 10:55:18 | synt |
| SCHL | HNT | 4.2 | 0.293E+16 | 2.55 | 0.66 | 10:55:04 | synt | 10:55:23 | synt |
| GRER | HNT | 3.9 | 0.113E+16 | 2.05 | 0.82 | 10:55:02 | db | 10:55:17 | synt |
| SLCR | HNT | 4.3 | 0.433E+16 | 2.38 | 0.70 | 10:55:04 | synt | 10:55:22 | synt |
| AMRR | HNT | 4.2 | 0.256E+16 | 2.47 | 0.68 | 10:55:06 | synt | 10:55:26 | synt |
| TATR | HNT | 4.5 | 0.743E+16 | 2.30 | 0.73 | 10:55:05 | db | 10:55:25 | synt |
| PGOR | HNT | 4.0 | 0.166E+16 | 2.21 | 0.76 | 10:55:03 | synt | 10:55:21 | synt |
| PLOR | HNT | 3.6 | 0.395E+15 | 2.53 | 0.66 | 10:55:00 | db | 10:55:16 | synt |
| ISR | HNT | 3.9 | 0.909E+15 | 1.70 | 0.99 | 10:55:01 | db | 10:55:18 | synt |
| ODBI | HNT | 3.9 | 0.115E+16 | 2.56 | 0.65 | 10:55:01 | db | 10:55:17 | synt |
| VLDR | HNT | 4.8 | 0.234E+17 | 1.21 | 1.38 | 10:55:06 | db | 10:55:26 | synt |
| TESR | HNT | 3.7 | 0.535E+15 | 2.00 | 0.84 | 10:55:03 | db | 10:55:22 | synt |
| ADJ | HNT | 4.0 | 0.145E+16 | 2.03 | 0.83 | 10:55:02 | synt | 10:55:19 | synt |
| LEHL | HNT | 4.3 | 0.379E+16 | 1.99 | 0.84 | 10:55:06 | db | 10:55:26 | synt |
| DOPR | HNT | 4.0 | 0.119E+16 | 0.87 | 1.93 | 10:55:03 | db | 10:55:22 | synt |
| PLAR | HNT | 3.9 | 0.872E+15 | 2.46 | 0.68 | 10:55:03 | db | 10:55:21 | synt |
| SULR | HNT | 3.8 | 0.780E+15 | 3.31 | 0.51 | 10:55:04 | db | 10:55:23 | synt |
| PLOR4 | HNT | 3.6 | 0.395E+15 | 2.53 | 0.66 | 10:55:00 | synt | 10:55:16 | synt |
| BIR | HNT | 4.5 | 0.683E+16 | 1.58 | 1.06 | 10:55:05 | db | 10:55:24 | synt |
| TUDR | HNT | 4.1 | 0.186E+16 | 3.19 | 0.53 | 10:55:03 | db | 10:55:21 | synt |
| IZVR | HNT | 4.3 | 0.440E+16 | 2.88 | 0.58 | 10:55:03 | db | 10:55:22 | synt |

Motion parameters extracted from Antelope tables

| | | | | | | | | | | |
|------|-----|-----|-----|------|------|------|------|--------|--------|--------|
| NEHR | HNZ | 27 | 4.1 | 0.11 | 0.00 | 0.16 | 0.01 | 0.0000 | 0.0101 | |
| NEHR | HNN | 27 | 4.1 | 0.13 | 0.00 | 0.19 | 0.01 | 0.0000 | 0.0151 | |
| NEHR | HNE | 27 | 4.1 | 0.11 | 0.00 | 0.32 | 0.02 | 0.0001 | 0.0145 | |
| SCTR | HNZ | 114 | 4.6 | 0.24 | 0.01 | 0.34 | 0.03 | 0.0001 | 0.0192 | |
| SCTR | HNN | 114 | 4.6 | 0.58 | 0.02 | 0.74 | 0.04 | 0.0002 | 0.0498 | |
| SCTR | HNE | 114 | 4.6 | 0.30 | 0.01 | 0.52 | 0.04 | 0.0001 | 0.0346 | |
| GHRR | HNZ | 84 | 4.7 | 0.33 | 0.01 | 0.44 | 0.02 | 0.0001 | 0.0251 | |
| GHRR | HNN | 84 | 4.7 | 0.50 | 0.02 | 1.18 | 0.04 | 0.0002 | 0.0563 | |
| GHRR | HNE | 84 | 4.7 | 0.48 | 0.02 | 1.19 | 0.09 | 0.01 | 0.0002 | 0.0760 |
| MLR | HNZ | 47 | 3.9 | 0.08 | 0.00 | 0.07 | 0.01 | 0.0000 | 0.0066 | |
| MLR | HNN | 47 | 3.9 | 0.04 | 0.00 | 0.06 | 0.01 | 0.00 | 0.0000 | 0.0054 |
| MLR | HNE | 47 | 3.9 | 0.03 | 0.00 | 0.07 | 0.01 | 0.0000 | 0.0063 | |
| VOIR | HNN | 117 | | 0.03 | 0.00 | 0.05 | 0.01 | 0.0000 | 0.0034 | |
| VOIR | HNE | 117 | | 0.03 | 0.00 | 0.07 | | | 0.0039 | |
| BUZR | HNZ | 56 | | 0.56 | 0.01 | 0.30 | 0.02 | 0.0001 | 0.0261 | |
| BUZR | HNN | 56 | | 0.28 | 0.01 | 0.34 | 0.03 | 0.0000 | 0.0282 | |
| BUZR | HNE | 56 | | 0.33 | 0.01 | 0.58 | 0.05 | 0.01 | 0.0001 | 0.0402 |
| SCHL | HNZ | 102 | | 0.31 | 0.01 | 0.30 | 0.01 | 0.0001 | 0.0187 | |

| | | | | | | | | | | |
|-------|-----|-----|-----|------|------|------|------|------|--------|--------|
| SCHL | HNN | 102 | | 0.42 | 0.02 | 0.77 | 0.03 | | 0.0002 | 0.0550 |
| SCHL | HNE | 102 | | 0.33 | 0.02 | 0.88 | 0.05 | | 0.0001 | 0.0468 |
| GRER | HNZ | 43 | 4.1 | 0.22 | 0.00 | 0.18 | 0.02 | | 0.0001 | 0.0147 |
| GRER | HNN | 43 | 4.1 | 0.46 | 0.02 | 0.78 | 0.03 | | 0.0001 | 0.0522 |
| GRER | HNE | 43 | 4.1 | 0.22 | 0.01 | 0.40 | 0.04 | | 0.0001 | 0.0274 |
| GISR | HNE | 120 | | 0.90 | 0.03 | 1.04 | 0.10 | | 0.0004 | 0.0821 |
| SECR | HNE | 74 | 2.7 | 0.21 | 0.01 | 0.26 | 0.03 | | 0.0001 | 0.0228 |
| SLCR | HNZ | 96 | | 0.57 | 0.01 | 0.37 | 0.02 | | 0.0003 | 0.0218 |
| SLCR | HNN | 96 | | 1.29 | 0.03 | 1.64 | 0.05 | | 0.0005 | 0.0932 |
| SLCR | HNE | 96 | | 0.78 | 0.03 | 1.14 | 0.09 | | 0.0004 | 0.0862 |
| AMRR | HNN | 128 | | 0.17 | 0.01 | 0.23 | 0.02 | | 0.0000 | 0.0191 |
| AMRR | HNE | 128 | | 0.24 | 0.01 | 0.63 | 0.03 | | 0.0000 | 0.0255 |
| TATR | HNZ | 118 | 4.8 | 0.53 | 0.01 | 0.44 | 0.03 | | 0.0002 | 0.0332 |
| TATR | HNN | 118 | 4.8 | 0.81 | 0.02 | 0.77 | 0.05 | | 0.0003 | 0.0638 |
| TATR | HNE | 118 | 4.8 | 0.89 | 0.03 | 1.02 | 0.08 | 0.01 | 0.0004 | 0.0841 |
| PGOR | HNZ | 84 | | 0.36 | 0.00 | 0.08 | 0.01 | | 0.0002 | 0.0133 |
| PGOR | HNN | 84 | | 0.26 | 0.01 | 0.40 | 0.03 | | 0.0000 | 0.0231 |
| PGOR | HNE | 84 | | 0.24 | 0.01 | 0.36 | 0.02 | | 0.0001 | 0.0255 |
| PLOR | HNZ | 27 | 4.2 | 0.07 | 0.00 | 0.17 | 0.01 | | 0.0000 | 0.0095 |
| PLOR | HNN | 27 | 4.2 | 0.16 | 0.01 | 0.48 | 0.03 | | 0.0000 | 0.0229 |
| PLOR | HNE | 27 | 4.2 | 0.14 | 0.01 | 0.46 | | | 0.0000 | 0.0219 |
| ISR | HNZ | 55 | 4.1 | 0.09 | 0.00 | 0.11 | 0.01 | | 0.0000 | 0.0084 |
| ISR | HNN | 55 | 4.1 | 0.13 | 0.00 | 0.22 | 0.02 | | 0.0001 | 0.0131 |
| ISR | HNE | 55 | 4.1 | 0.13 | 0.00 | 0.16 | 0.02 | 0.00 | 0.0000 | 0.0138 |
| ODBI | HNZ | 43 | 4.3 | 0.18 | 0.01 | 0.37 | 0.02 | | 0.0001 | 0.0199 |
| ODBI | HNN | 43 | 4.3 | 0.42 | 0.01 | 0.94 | 0.05 | | 0.0002 | 0.0491 |
| ODBI | HNE | 43 | 4.3 | 0.25 | 0.01 | 0.42 | 0.04 | | 0.0001 | 0.0321 |
| VLDR | HNZ | 123 | 4.8 | 0.51 | 0.01 | 0.61 | 0.03 | | 0.0003 | 0.0333 |
| VLDR | HNN | 123 | 4.8 | 0.67 | 0.03 | 1.43 | 0.07 | | 0.0003 | 0.0886 |
| VLDR | HNE | 123 | 4.8 | 0.53 | 0.01 | 0.70 | 0.07 | | 0.0004 | 0.0555 |
| TESR | HNN | 100 | 4.1 | 0.07 | 0.00 | 0.12 | 0.01 | | 0.0000 | 0.0073 |
| TESR | HNE | 100 | 4.1 | 0.03 | 0.00 | 0.07 | 0.01 | | 0.0000 | 0.0049 |
| ADJ | HNZ | 73 | | 0.16 | 0.00 | 0.11 | | | 0.0000 | 0.0097 |
| ADJ | HNN | 73 | | 0.15 | 0.01 | 0.31 | | | 0.0000 | 0.0194 |
| ADJ | HNE | 73 | | 0.17 | 0.01 | 0.44 | 0.03 | | 0.0000 | 0.0251 |
| LEHL | HNN | 128 | 4.6 | 0.25 | 0.01 | 0.43 | 0.04 | | 0.0000 | 0.0293 |
| LEHL | HNE | 128 | 4.6 | 0.21 | 0.01 | 0.39 | 0.04 | | 0.0001 | 0.0297 |
| DOPR | HNZ | 97 | 4.0 | 0.04 | 0.00 | 0.05 | 0.00 | | 0.0000 | 0.0042 |
| DOPR | HNN | 97 | 4.0 | 0.05 | 0.00 | 0.07 | 0.01 | | 0.0000 | 0.0047 |
| DOPR | HNE | 97 | 4.0 | 0.04 | 0.00 | 0.05 | 0.01 | | 0.0000 | 0.0039 |
| PLAR | HNZ | 87 | 4.2 | 0.91 | 0.02 | 0.40 | 0.03 | | 0.0001 | 0.0557 |
| PLAR | HNN | 87 | 4.2 | 0.12 | 0.01 | 0.33 | 0.01 | | 0.0000 | 0.0168 |
| PLAR | HNE | 87 | 4.2 | 0.18 | 0.01 | 0.35 | 0.02 | | 0.0000 | 0.0182 |
| SULR | HNZ | 106 | 4.2 | 0.34 | 0.01 | 0.20 | 0.01 | | 0.0001 | 0.0220 |
| SULR | HNN | 106 | 4.2 | 0.19 | 0.00 | 0.21 | 0.01 | | 0.0001 | 0.0143 |
| SULR | HNE | 106 | 4.2 | 0.22 | 0.01 | 0.18 | 0.01 | | 0.0001 | 0.0179 |
| COVR | HNZ | 36 | 3.8 | 0.08 | 0.00 | 0.09 | 0.01 | | 0.0000 | 0.0072 |
| COVR | HNN | 36 | 3.8 | 0.06 | 0.00 | 0.08 | 0.01 | | 0.0000 | 0.0067 |
| VRI | HNZ | 31 | 4.4 | 0.04 | 0.00 | 0.09 | 0.01 | | 0.0000 | 0.0059 |
| VRI | HNN | 31 | 4.4 | 0.10 | 0.00 | 0.38 | 0.02 | | 0.0000 | 0.0162 |
| PLOR4 | HNZ | 27 | | 0.07 | 0.00 | 0.17 | 0.01 | | 0.0000 | 0.0095 |
| PLOR4 | HNN | 27 | | 0.17 | 0.01 | 0.47 | 0.02 | | 0.0000 | 0.0216 |
| PLOR4 | HNE | 27 | | 0.14 | 0.01 | 0.46 | | | 0.0000 | 0.0219 |
| BIR | HNZ | 110 | 4.3 | 0.41 | 0.01 | 0.50 | 0.02 | | 0.0001 | 0.0280 |
| BIR | HNN | 110 | 4.3 | 0.25 | 0.01 | 0.38 | 0.05 | | 0.0001 | 0.0380 |
| BIR | HNE | 110 | 4.3 | 0.39 | 0.01 | 0.37 | 0.05 | | 0.0001 | 0.0358 |
| TUDR | HNZ | 88 | 4.5 | 0.41 | 0.01 | 0.18 | 0.01 | | 0.0003 | 0.0157 |
| TUDR | HNN | 88 | 4.5 | 0.50 | 0.02 | 1.15 | 0.03 | | 0.0002 | 0.0536 |
| TUDR | HNE | 88 | 4.5 | 0.61 | 0.02 | 0.96 | 0.03 | | 0.0002 | 0.0524 |
| IZVR | HNZ | 96 | 5.0 | 0.74 | 0.01 | 0.23 | 0.01 | | 0.0008 | 0.0248 |
| IZVR | HNN | 96 | 5.0 | 0.92 | 0.02 | 1.03 | 0.07 | | 0.0009 | 0.0709 |
| IZVR | HNE | 96 | 5.0 | 1.03 | 0.02 | 0.61 | 0.04 | | 0.0020 | 0.0532 |