

Antelope - associated stations measurements on atlas2 ronet database

KAMCHATKA PENINSULA, RUSSIA - evid 63068

| Date       | Time         | Lat    | Lon     | Depth | ml | mb   | orid  |
|------------|--------------|--------|---------|-------|----|------|-------|
| 2023/03/09 | 02:07:09.034 | 53.591 | 157.564 | 15.0  |    | 5.62 | 63334 |

|   | Sta | Chan | PGV | PGA   |
|---|-----|------|-----|-------|
| * | 1   | SURR | HHE | 0.00  |
|   |     | SURR | HHZ | -0.00 |
|   |     | SURR | HHN | -0.00 |
|   |     | SURR | HNZ | 0.01  |
|   |     | SURR | HNE | -0.01 |
|   |     | SURR | HNN | 0.02  |
| * | 2   | TESR | HHE | 0.00  |
|   |     | TESR | HHZ | 0.00  |
|   |     | TESR | HHN | -0.00 |
|   |     | TESR | HNZ | -0.01 |
|   |     | TESR | HNE | 0.02  |
|   |     | TESR | HNN | -0.01 |
| * | 3   | VOIR | HHE | 0.00  |
|   |     | VOIR | HHZ | -0.00 |
|   |     | VOIR | HHN | -0.00 |
|   |     | VOIR | HNZ | 0.01  |
|   |     | VOIR | HNE | 0.01  |
|   |     | VOIR | HNN | 0.01  |
| * | 4   | CFR  | HHE | -0.00 |
|   |     | CFR  | HHZ | 0.00  |
|   |     | CFR  | HHN | -0.00 |
|   |     | CFR  | HNZ | -0.00 |
|   |     | CFR  | HNE | -0.00 |
|   |     | CFR  | HNN | 0.01  |
| * | 5   | ARR  | HHE | 0.00  |
|   |     | ARR  | HHZ | -0.00 |
|   |     | ARR  | HHN | -0.00 |
|   |     | ARR  | HNZ | -0.00 |
|   |     | ARR  | HNE | -0.00 |
|   |     | ARR  | HNN | -0.01 |
| * | 6   | TIRR | HHZ | -0.00 |
|   |     | TIRR | HHN | -0.00 |
| * | 7   | TLCR | HHE | -0.00 |
|   |     | TLCR | HHZ | -0.00 |
|   |     | TLCR | HHN | 0.00  |
|   |     | TLCR | HNZ | -0.00 |
|   |     | TLCR | HNE | -0.00 |
|   |     | TLCR | HNN | 0.00  |
| * | 8   | TPGR | HHE | 0.00  |
|   |     | TPGR | HHZ | -0.00 |
|   |     | TPGR | HHN | 0.00  |
|   |     | TPGR | HNZ | -0.00 |
|   |     | TPGR | HNE | -0.00 |
|   |     | TPGR | HNN | 0.01  |
| * | 9   | PLOR | HHE | -0.00 |
|   |     | PLOR | HHZ | 0.00  |
|   |     | PLOR | HHN | -0.00 |
|   |     | PLOR | HNZ | -0.00 |

|   |    |      |     |       |       |
|---|----|------|-----|-------|-------|
|   |    | PLOR | HNE |       | 0.00  |
|   |    | PLOR | HNN |       | 0.00  |
| * | 10 | HARR | HHE | 0.00  |       |
|   |    | HARR | HHZ | 0.00  |       |
|   |    | HARR | HHN | 0.00  |       |
|   |    | HARR | HNZ |       | 0.01  |
|   |    | HARR | HNE |       | 0.01  |
|   |    | HARR | HNN |       | 0.01  |
| * | 11 | MLR  | HHE | 0.00  |       |
|   |    | MLR  | HHZ | -0.00 |       |
|   |    | MLR  | HHN | -0.00 |       |
|   |    | MLR  | HNZ |       | -0.00 |
|   |    | MLR  | HNE |       | 0.00  |
|   |    | MLR  | HNN |       | -0.00 |
| * | 12 | LOZB | HHE | -0.00 |       |
|   |    | LOZB | HHZ | -0.00 |       |
|   |    | LOZB | HHN | 0.00  |       |
|   |    | LOZB | HNZ |       | -0.01 |
|   |    | LOZB | HNE |       | 0.04  |
|   |    | LOZB | HNN |       | 0.00  |
| * | 13 | COPA | HHE | 0.00  |       |
|   |    | COPA | HHZ | 0.00  |       |
|   |    | COPA | HHN | -0.00 |       |
|   |    | COPA | HNZ |       | 0.00  |
|   |    | COPA | HNE |       | 0.00  |
|   |    | COPA | HNN |       | -0.00 |
| * | 14 | VLDR | HHE | -0.00 |       |
|   |    | VLDR | HHZ | -0.00 |       |
|   |    | VLDR | HHN | 0.00  |       |
|   |    | VLDR | HNZ |       | -0.01 |
|   |    | VLDR | HNE |       | 0.00  |
|   |    | VLDR | HNN |       | -0.00 |

\* Associated RO stations: 16  
Excluded stations:

Largest velocities (cm/sec) and accelerations (cm/sec\*\*2)

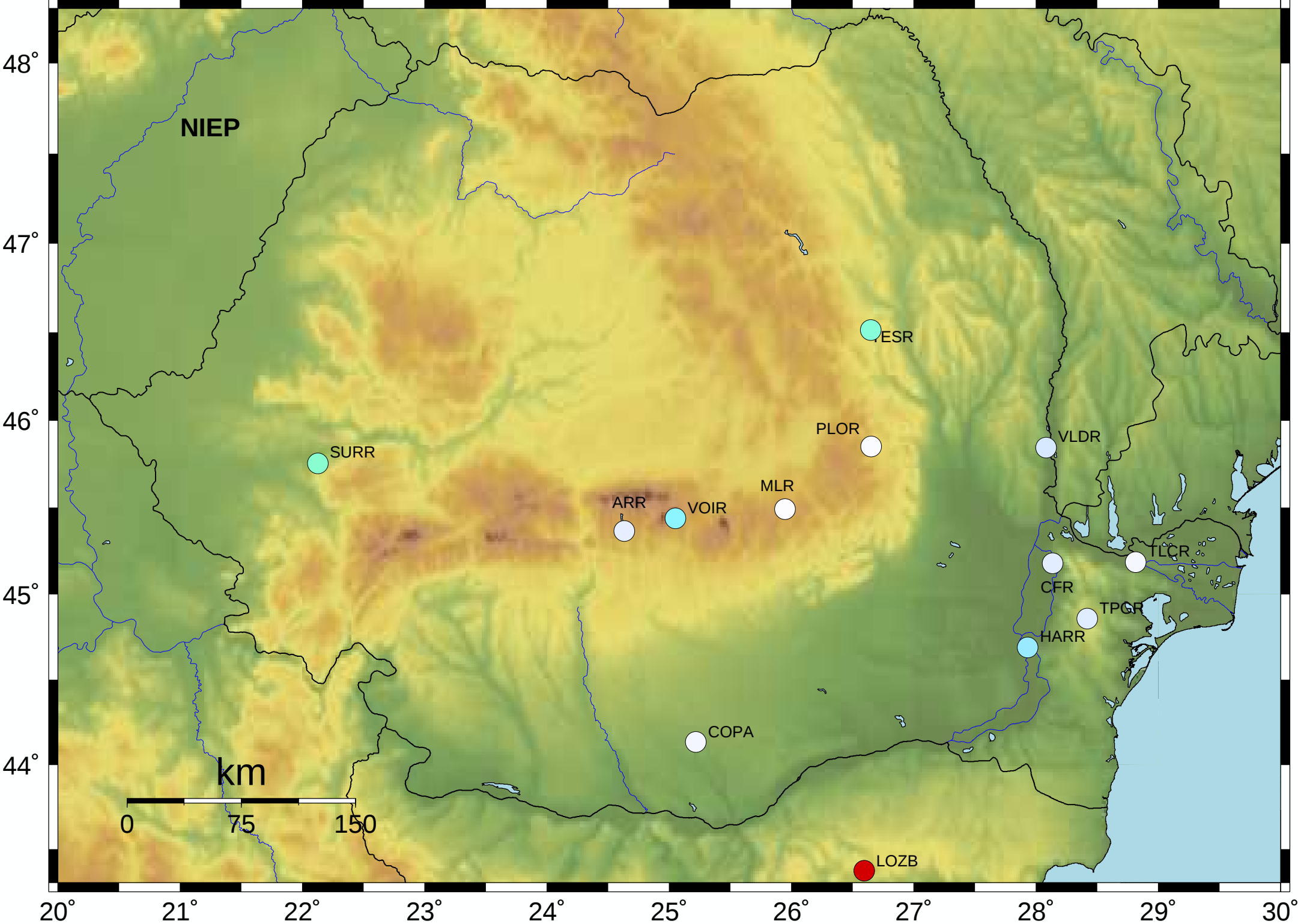
|              |          |      |
|--------------|----------|------|
| Velocity     | ARR_HNN  | 0.00 |
| Acceleration | LOZB_HNE | 0.04 |

Stations max. horizontal acceleration and MSK intensity

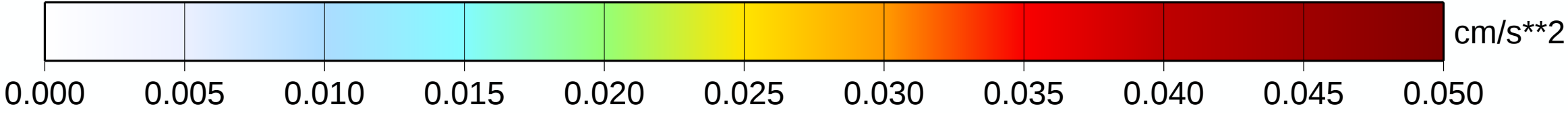
|    |          |      |   |
|----|----------|------|---|
| 1  | ARR_HNN  | 0.01 | - |
| 2  | CFR_HNN  | 0.01 | - |
| 3  | COPA_HNE | 0.00 |   |
| 4  | HARR_HNE | 0.01 | - |
| 5  | LOZB_HNE | 0.04 | - |
| 6  | MLR_HNE  | 0.00 |   |
| 7  | PLOR_HNE | 0.00 |   |
| 8  | SURR_HNN | 0.02 | - |
| 9  | TESR_HNE | 0.02 | - |
| 10 | TLCR_HNE | 0.00 |   |
| 11 | TPGR_HNN | 0.01 | - |
| 12 | VLDR_HNE | 0.00 |   |
| 13 | VOIR_HNE | 0.01 | - |

Observed stations accelerations – Antelope platform (cm/sec\*\*2)

Maximum observed acceleration: LOZB\_HNE 0.04  
Thu Mar 9, 2023 02:07:09 GMT ML Mb 5.6 N53.59 E157.56 Depth: 15.0km ID:63068

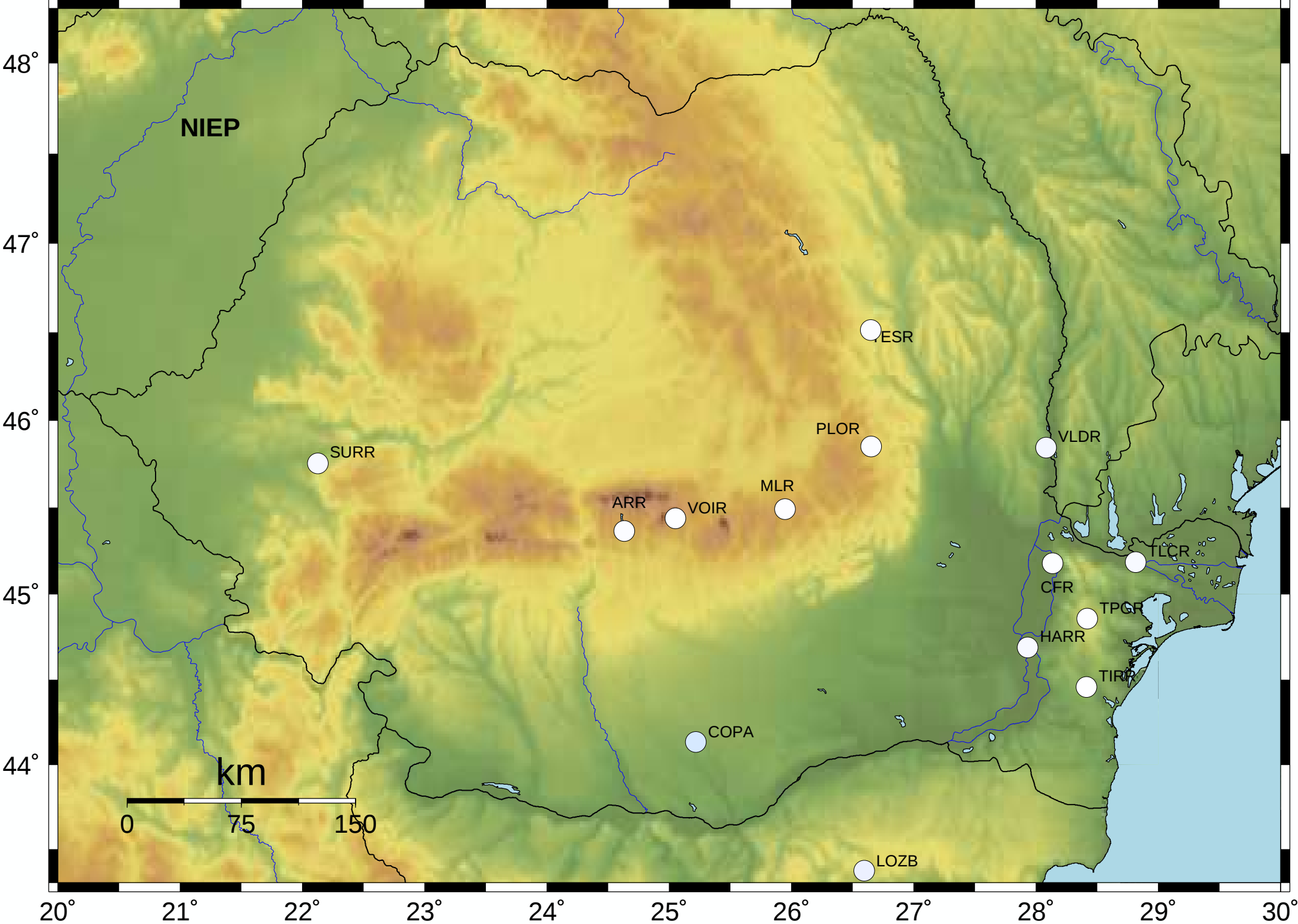


| Station | Dist.(km) | Acc. |
|---------|-----------|------|
| LOZB    | 9720      | 0.04 |
| SURR    | 9785      | 0.02 |
| TESR    | 9380      | 0.02 |
| VOIR    | 9609      | 0.01 |
| HARR    | 9481      | 0.01 |
| VLDR    | 9348      | 0.01 |
| TPGR    | 9428      | 0.01 |
| CFR     | 9415      | 0.01 |
| ARR     | 9647      | 0.01 |
| COPA    | 9738      | 0.00 |
| TLCR    | 9365      | 0.00 |
| PLOR    | 9450      | 0.00 |
| MLR     | 9539      | 0.00 |

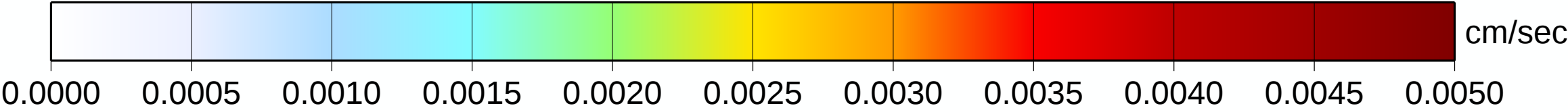


Observed stations velocities – Antelope platform (cm/sec)

Maximum observed velocity: LOZB\_HHN 0.00  
Thu Mar 9, 2023 02:07:09 GMT ML Mb 5.6 N53.59 E157.56 Depth: 15.0km ID:63068



| Station | Dist.(km) | Velocity |
|---------|-----------|----------|
| COPA    | 9738      | 0.00     |
| LOZB    | 9720      | 0.00     |
| VLDR    | 9348      | 0.00     |
| SURR    | 9785      | 0.00     |
| TLCR    | 9365      | 0.00     |
| HARR    | 9481      | 0.00     |
| PLOR    | 9450      | 0.00     |
| ARR     | 9647      | 0.00     |
| TESR    | 9380      | 0.00     |
| TPGR    | 9428      | 0.00     |
| CFR     | 9415      | 0.00     |
| MLR     | 9539      | 0.00     |
| VOIR    | 9609      | 0.00     |
| TIRR    | 9471      | 0.00     |

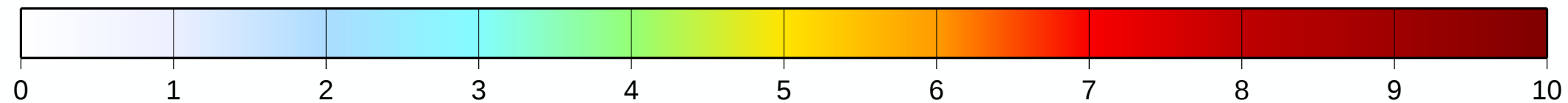
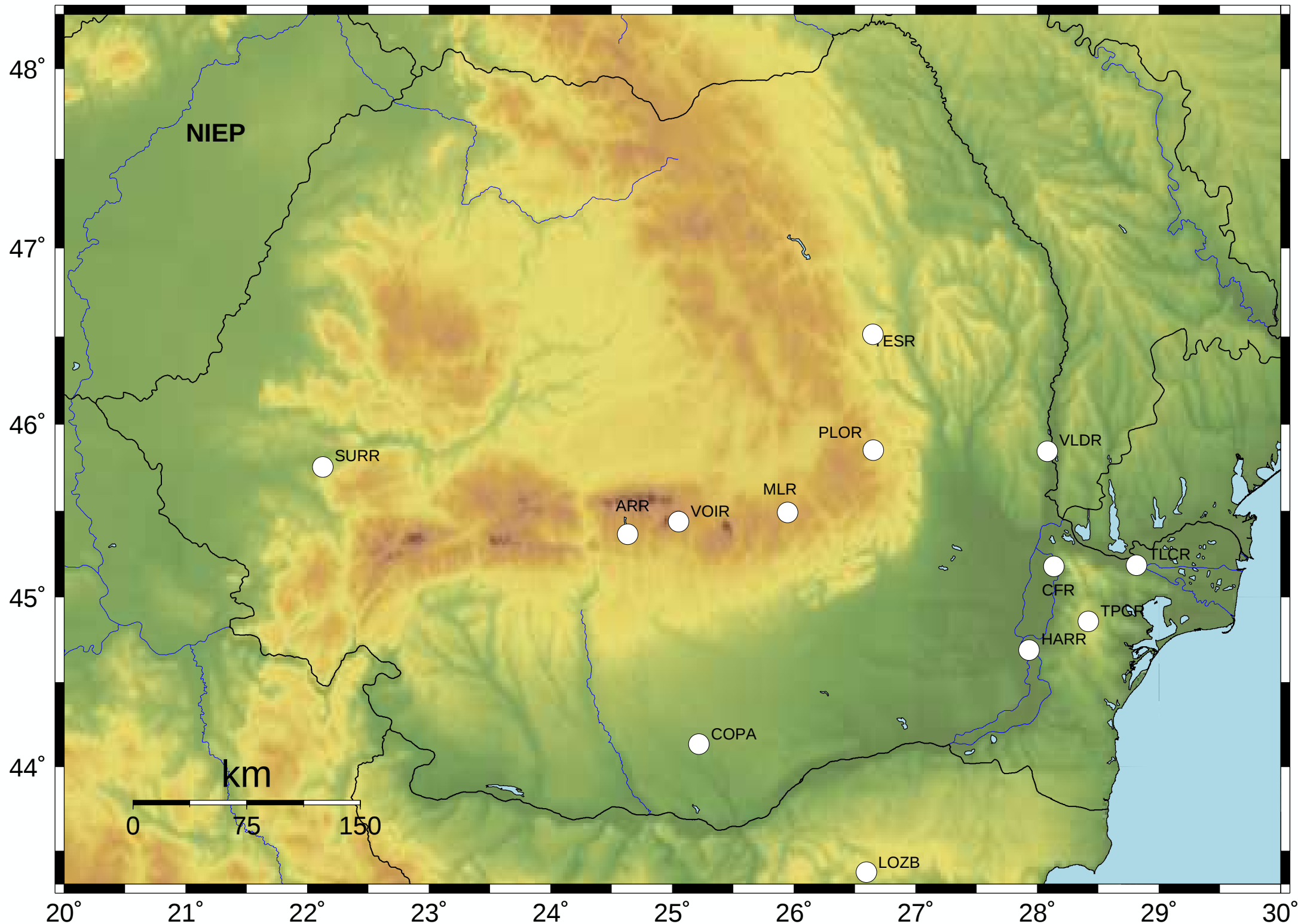


# Stations intensities

Maximum intensity: LOZB

Thu Mar 9, 2023 02:07:09 GMT ML Mb 5.6 N53.59 E157.56 Depth: 15.0km ID:63068

| Station | Dist.(km) | Imsk |
|---------|-----------|------|
| VOIR    | 9610      | -    |
| TPGR    | 9429      | -    |
| TESR    | 9380      | -    |
| SURR    | 9785      | -    |
| LOZB    | 9720      | -    |
| HARR    | 9482      | -    |
| CFR     | 9415      | -    |
| ARR     | 9647      | -    |



MSK intensity scale