

Antelope - associated stations measurements on atlas2 ronet database

KURIL ISLANDS - evid 64944

| Date       | Time         | Lat    | Lon     | Depth | ml | mb   | orid  |
|------------|--------------|--------|---------|-------|----|------|-------|
| 2023/06/11 | 02:58:10.181 | 47.088 | 152.502 | 15.0  |    | 5.63 | 65210 |
| Sta        | Chan         | PGV    | PGA     |       |    |      |       |
| * 1 BIR    | HHE          | 0.00   |         |       |    |      |       |
|            | HHZ          | -0.00  |         |       |    |      |       |
|            | HHN          | -0.00  |         |       |    |      |       |
|            | HNZ          |        | -0.01   |       |    |      |       |
|            | HNE          |        | -0.02   |       |    |      |       |
|            | HNN          |        | 0.01    |       |    |      |       |
| * 2 CFR    | HHE          | 0.00   |         |       |    |      |       |
|            | HHZ          | 0.00   |         |       |    |      |       |
|            | HHN          | 0.00   |         |       |    |      |       |
|            | HNZ          |        | 0.00    |       |    |      |       |
|            | HNE          |        | 0.00    |       |    |      |       |
|            | HNN          |        | 0.00    |       |    |      |       |
| * 3 MDB    | HHE          | -0.00  |         |       |    |      |       |
|            | HHZ          | -0.00  |         |       |    |      |       |
|            | HHN          | 0.00   |         |       |    |      |       |
|            | HNZ          |        | 0.01    |       |    |      |       |
|            | HNE          |        | 0.01    |       |    |      |       |
|            | HNN          |        | 0.01    |       |    |      |       |
| * 4 TIRR   | HHZ          | 0.00   |         |       |    |      |       |
|            | HNE          |        | 0.00    |       |    |      |       |
| * 5 TLCR   | HHE          | -0.00  |         |       |    |      |       |
|            | HHZ          | 0.00   |         |       |    |      |       |
|            | HHN          | -0.00  |         |       |    |      |       |
|            | HNZ          |        | 0.01    |       |    |      |       |
|            | HNE          |        | 0.01    |       |    |      |       |
|            | HNN          |        | 0.01    |       |    |      |       |
| * 6 TPGR   | HNZ          |        | -0.00   |       |    |      |       |
|            | HNE          |        | 0.00    |       |    |      |       |
| * 7 MARR   | HHN          | -0.00  |         |       |    |      |       |
|            | HNZ          |        | -0.00   |       |    |      |       |
|            | HNE          |        | 0.00    |       |    |      |       |
|            | HNN          |        | 0.00    |       |    |      |       |
| * 8 HARR   | HHE          | 0.00   |         |       |    |      |       |
|            | HHZ          | 0.00   |         |       |    |      |       |
|            | HHN          | 0.00   |         |       |    |      |       |
|            | HNZ          |        | -0.01   |       |    |      |       |
|            | HNE          |        | -0.01   |       |    |      |       |
|            | HNN          |        | -0.01   |       |    |      |       |
| * 9 MLR    | HNE          |        | 0.00    |       |    |      |       |
| * 10 DRGR  | HNZ          |        | 0.00    |       |    |      |       |
|            | HNN          |        | -0.00   |       |    |      |       |
| * 11 DOPR  | HHE          | 0.00   |         |       |    |      |       |
|            | HHZ          | 0.00   |         |       |    |      |       |
| * 12 GIRR  | HHZ          | -0.00  |         |       |    |      |       |
| * 13 VLDR  | HHE          | 0.00   |         |       |    |      |       |
|            | HNE          |        | -0.01   |       |    |      |       |
| * 14 BMR   | HHE          | -0.00  |         |       |    |      |       |
|            | HHZ          | -0.00  |         |       |    |      |       |

|   |    |     |     |       |       |
|---|----|-----|-----|-------|-------|
| * | 15 | VRI | HHE | -0.00 |       |
|   |    | VRI | HHZ | -0.00 |       |
|   |    | VRI | HHN | 0.00  |       |
|   |    | VRI | HNZ |       | 0.00  |
|   |    | VRI | HNE |       | 0.01  |
|   |    | VRI | HNN |       | -0.01 |

\* Associated RO stations: 15  
Excluded stations:

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

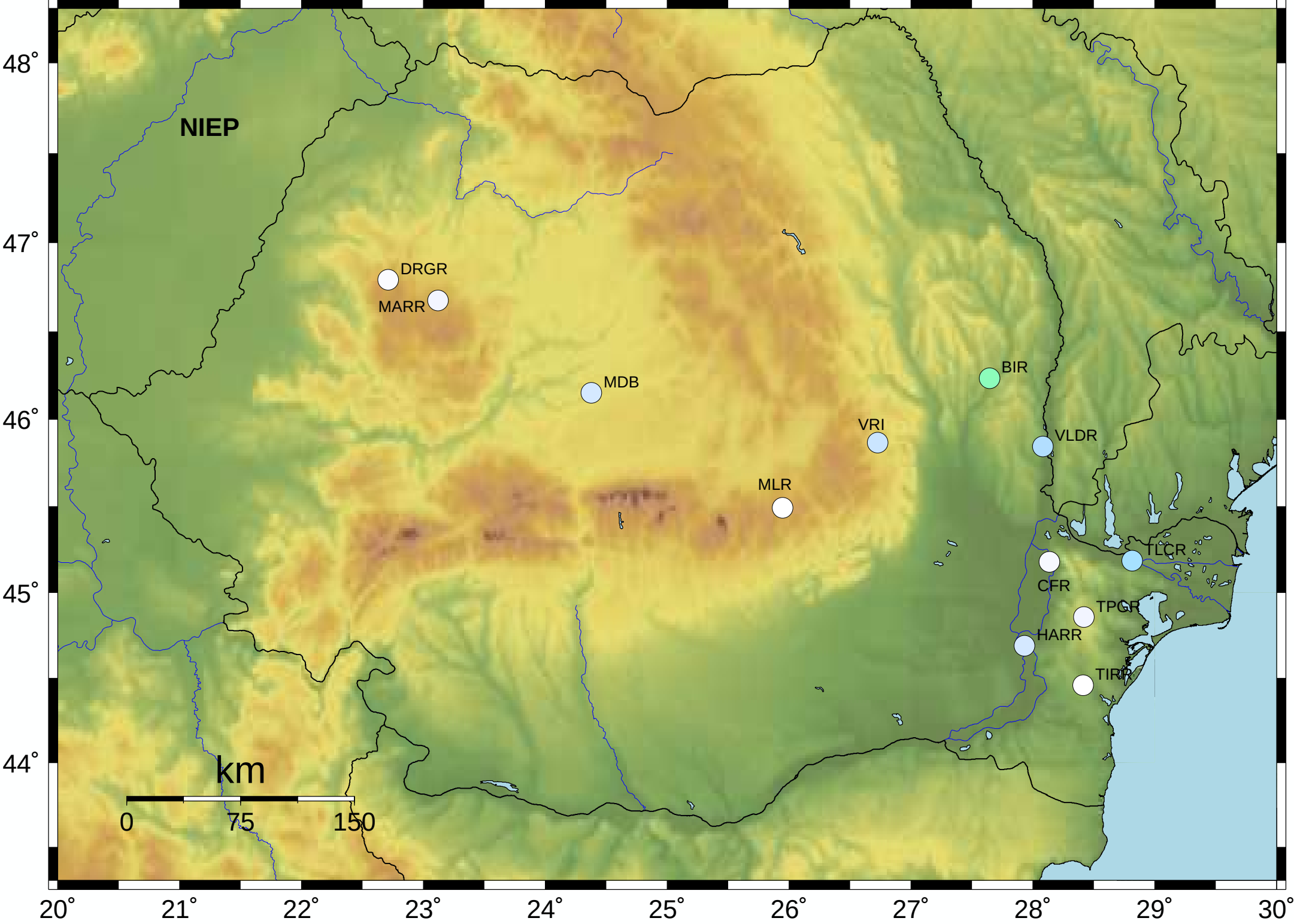
|              |         |      |
|--------------|---------|------|
| Velocity     | BIR_HHE | 0.00 |
| Acceleration | BIR_HNE | 0.02 |

Stations max. horizontal acceleration and MSK intensity

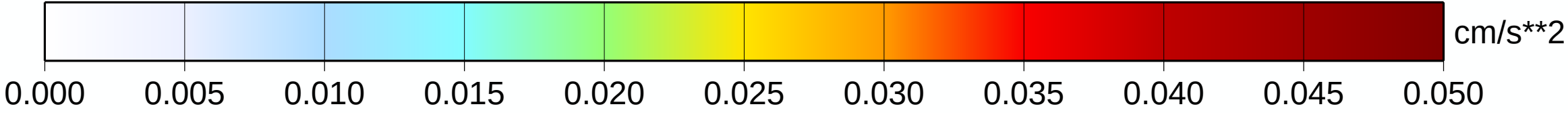
|    |          |      |   |
|----|----------|------|---|
| 1  | BIR_HNE  | 0.02 | - |
| 2  | CFR_HNE  | 0.00 |   |
| 3  | DRGR_HNE |      |   |
| 4  | HARR_HNE | 0.01 | - |
| 5  | MARR_HNE | 0.00 |   |
| 6  | MDB_HNE  | 0.01 | - |
| 7  | MLR_HNE  | 0.00 |   |
| 8  | TIRR_HNE | 0.00 |   |
| 9  | TLCR_HNE | 0.01 | - |
| 10 | TPGR_HNE | 0.00 |   |
| 11 | VLDR_HNE | 0.01 | - |
| 12 | VRI_HNE  | 0.01 | - |

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

Maximum observed acceleration: BIR\_HNE 0.02  
Sun Jun 11, 2023 02:58:10 GMT ML Mb 5.6 N47.09 E152.50 Depth: 15.0km ID:64944

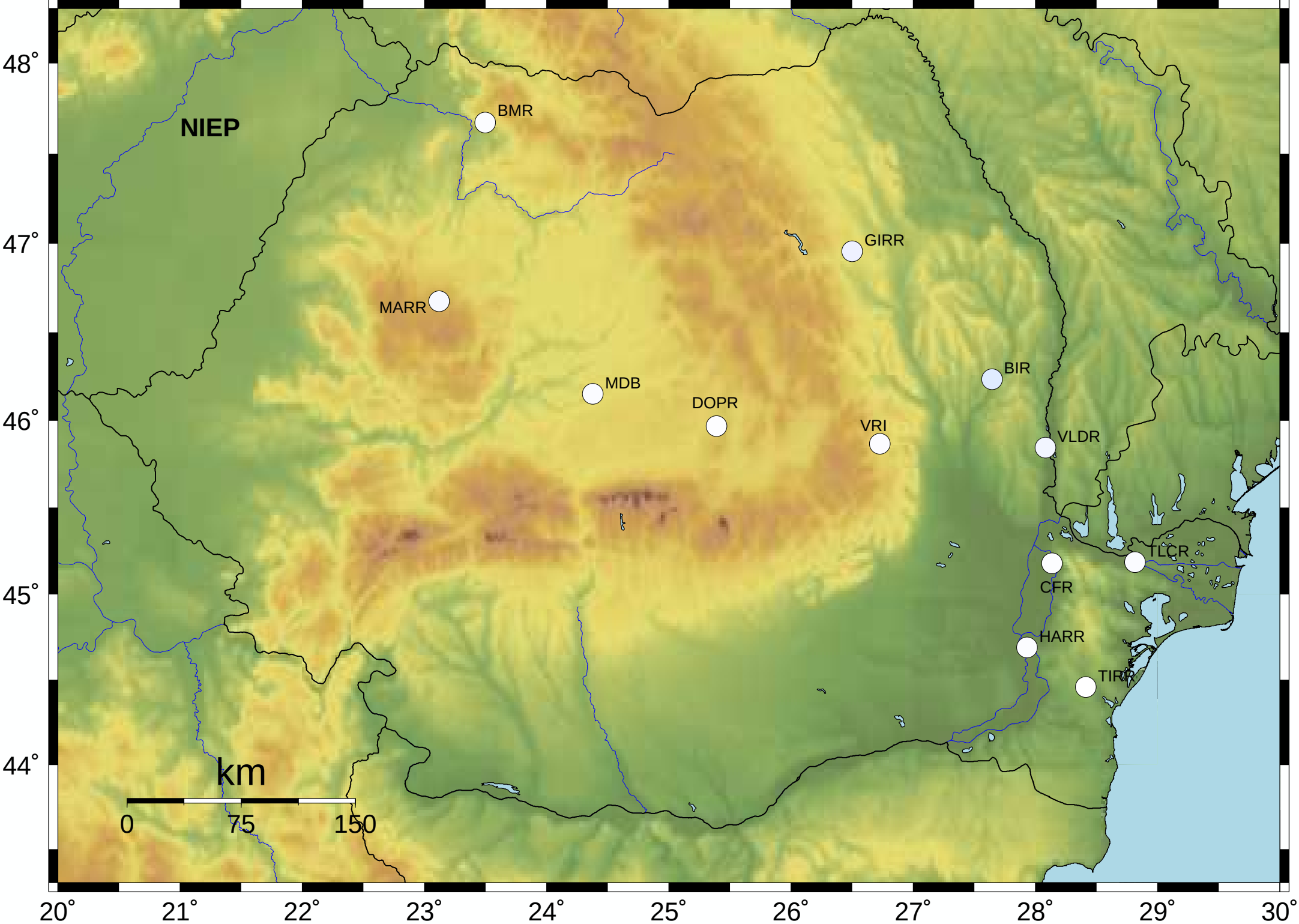


| Station | Dist.(km) | Acc. |
|---------|-----------|------|
| BIR     | 9529      | 0.02 |
| TLDR    | 9532      | 0.01 |
| VLDR    | 9530      | 0.01 |
| VRI     | 9631      | 0.01 |
| HARR    | 9645      | 0.01 |
| MDB     | 9785      | 0.01 |
| TPGR    | 9592      | 0.00 |
| MARR    | 9833      | 0.00 |
| CFR     | 9585      | 0.00 |
| DRGR    | 9853      | 0.00 |
| MLR     | 9725      | 0.00 |

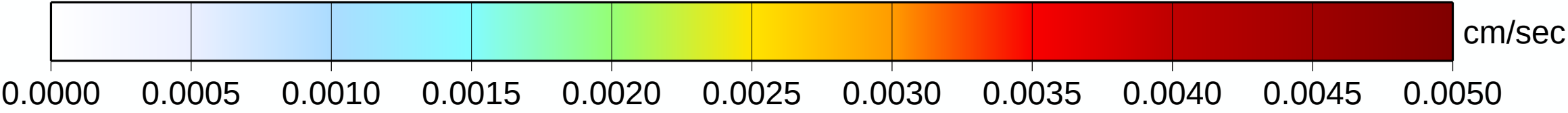


Observed stations velocities – Antelope platform (cm/sec)

Maximum observed velocity: MDB\_HHN 0.00  
Sun Jun 11, 2023 02:58:10 GMT ML Mb 5.6 N47.09 E152.50 Depth: 15.0km ID:64944



| Station | Dist.(km) | Velocity |
|---------|-----------|----------|
| BIR     | 9529      | 0.00     |
| GIRR    | 9551      | 0.00     |
| VLDR    | 9530      | 0.00     |
| MARR    | 9833      | 0.00     |
| MDB     | 9785      | 0.00     |
| TLCR    | 9532      | 0.00     |
| HARR    | 9645      | 0.00     |
| BMR     | 9713      | 0.00     |
| VRI     | 9631      | 0.00     |
| CFR     | 9585      | 0.00     |
| DOPR    | 9725      | 0.00     |
| TIRR    | 9628      | 0.00     |

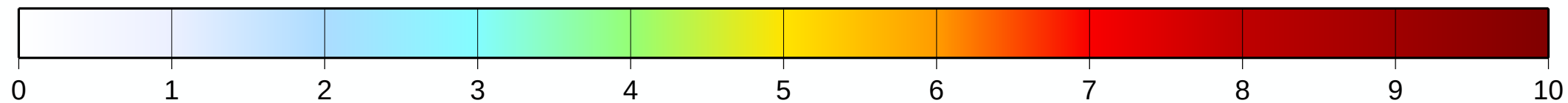
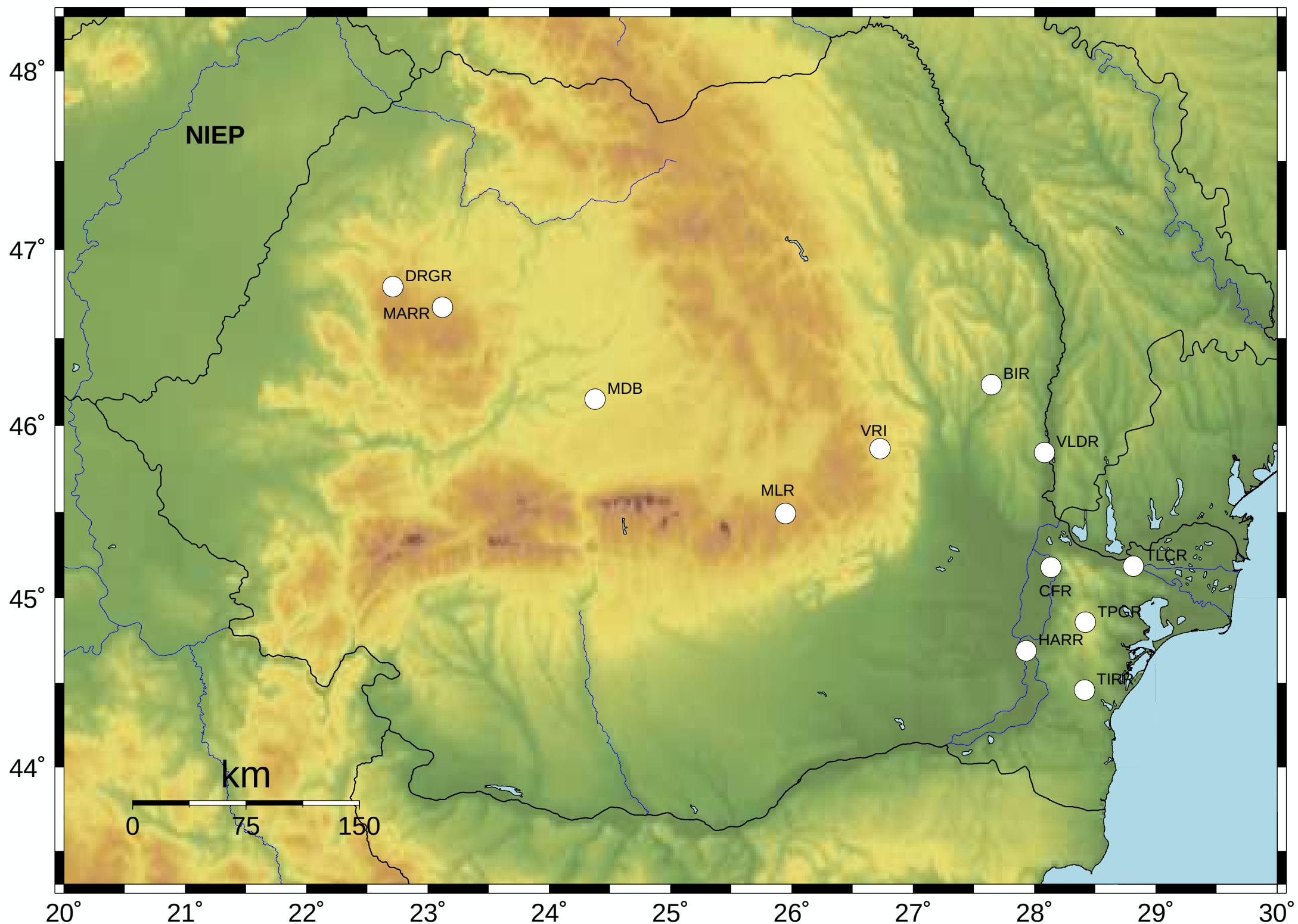


# Stations intensities

Maximum intensity: BIR

Sun Jun 11, 2023 02:58:10 GMT ML Mb 5.6 N47.09 E152.50 Depth: 15.0km ID:64944

| Station | Dist.(km) | Imsk |
|---------|-----------|------|
| VRI     | 9632      | —    |
| VLDR    | 9530      | —    |
| TLCR    | 9532      | —    |
| MDB     | 9786      | —    |
| HARR    | 9645      | —    |
| BIR     | 9529      | —    |



MSK intensity scale