

Antelope - associated stations measurements on atlas2 ronet database

SOUTH INDIAN OCEAN - evid 44812

| Date       | Time         | Lat     | Lon    | Depth  | ml | mb   | orid  |
|------------|--------------|---------|--------|--------|----|------|-------|
| 2020/05/23 | 23:01:57.200 | -18.614 | 70.683 | 15.0   |    | 5.25 | 45071 |
| Sta        | Chan         | PGV     | PGA    |        |    |      |       |
| * 1        | BZS          | HHE     | 0.000  |        |    |      |       |
|            | BZS          | HHZ     | -0.000 |        |    |      |       |
|            | BZS          | HHN     | 0.000  |        |    |      |       |
|            | BZS          | HNZ     |        | 0.002  |    |      |       |
|            | BZS          | HNE     |        | -0.001 |    |      |       |
|            | BZS          | HNN     |        | -0.002 |    |      |       |
| * 2        | CFR          | HHE     | 0.000  |        |    |      |       |
|            | CFR          | HHZ     | 0.000  |        |    |      |       |
|            | CFR          | HHN     | -0.000 |        |    |      |       |
|            | CFR          | HNZ     |        | 0.002  |    |      |       |
|            | CFR          | HNE     |        | 0.003  |    |      |       |
|            | CFR          | HNN     |        | 0.003  |    |      |       |
| * 3        | ARR          | HHE     | -0.000 |        |    |      |       |
|            | ARR          | HHZ     | -0.000 |        |    |      |       |
|            | ARR          | HHN     | -0.000 |        |    |      |       |
|            | ARR          | HNZ     |        | 0.002  |    |      |       |
|            | ARR          | HNE     |        | -0.003 |    |      |       |
|            | ARR          | HNN     |        | 0.005  |    |      |       |
| * 4        | PLOR         | HHE     | -0.000 |        |    |      |       |
|            | PLOR         | HHZ     | -0.000 |        |    |      |       |
|            | PLOR         | HHN     | -0.000 |        |    |      |       |
|            | PLOR         | HNZ     |        | 0.001  |    |      |       |
|            | PLOR         | HNE     |        | -0.001 |    |      |       |
|            | PLOR         | HNN     |        | 0.001  |    |      |       |
| * 5        | COVR         | HHE     | -0.000 |        |    |      |       |
|            | COVR         | HHZ     | -0.000 |        |    |      |       |
|            | COVR         | HHN     | 0.000  |        |    |      |       |
|            | COVR         | HNZ     |        | 0.011  |    |      |       |
|            | COVR         | HNE     |        | 0.007  |    |      |       |
|            | COVR         | HNN     |        | 0.007  |    |      |       |
| * 6        | HERR         | HHE     | 0.000  |        |    |      |       |
|            | HERR         | HHZ     | 0.000  |        |    |      |       |
|            | HERR         | HHN     | -0.000 |        |    |      |       |
|            | HERR         | HNZ     |        | 0.010  |    |      |       |
|            | HERR         | HNE     |        | -0.009 |    |      |       |
|            | HERR         | HNN     |        | 0.009  |    |      |       |
| * 7        | DRGR         | HHE     | -0.000 |        |    |      |       |
|            | DRGR         | HHZ     | -0.000 |        |    |      |       |
|            | DRGR         | HHN     | -0.000 |        |    |      |       |
|            | DRGR         | HNZ     |        | -0.001 |    |      |       |
|            | DRGR         | HNE     |        | -0.001 |    |      |       |
|            | DRGR         | HNN     |        | 0.001  |    |      |       |
| * 8        | VRI          | HHE     | -0.000 |        |    |      |       |
|            | VRI          | HHZ     | -0.000 |        |    |      |       |
|            | VRI          | HHN     | -0.000 |        |    |      |       |
|            | VRI          | HNZ     |        | 0.003  |    |      |       |
|            | VRI          | HNE     |        | 0.009  |    |      |       |
|            | VRI          | HNN     |        | -0.005 |    |      |       |

\* Associated RO stations: 8  
Excluded stations:

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

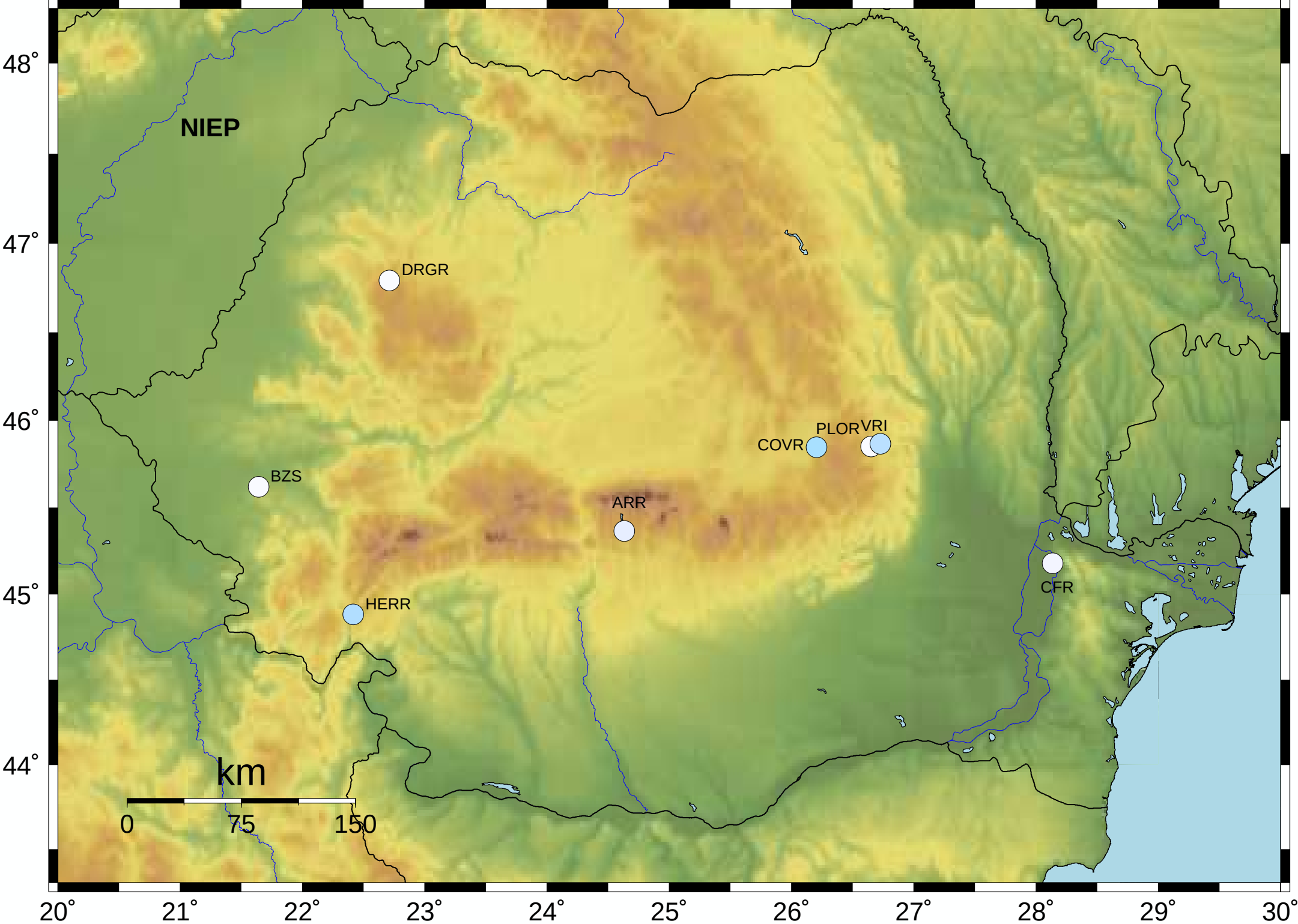
|                 |          |       |
|-----------------|----------|-------|
| Velocity        | ARR_HHN  | 0.000 |
| Acceleration    | COVR_HNZ | 0.011 |
| Horizontal acc. | VRI_HNE  | 0.009 |

Stations max. horizontal acceleration and MSK intensity

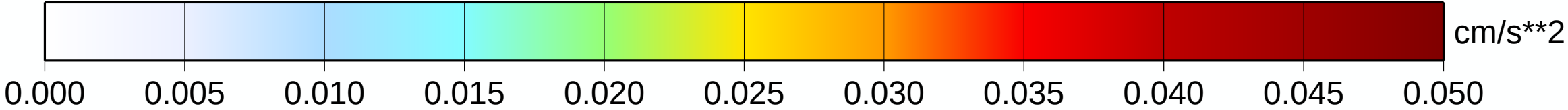
|   |          |       |   |
|---|----------|-------|---|
| 1 | ARR_HNN  | 0.005 | I |
| 2 | BZS_HNN  | 0.002 | I |
| 3 | CFR_HNE  | 0.003 | I |
| 4 | COVR_HNE | 0.007 | I |
| 5 | DRGR_HNE | 0.001 | I |
| 6 | HERR_HNE | 0.009 | I |
| 7 | PLOR_HNE | 0.001 | I |
| 8 | VRI_HNE  | 0.009 | I |

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

Maximum observed acceleration: COVR\_HNZ 0.011  
Sat May 23, 2020 23:01:57 GMT ML Mb 5.2 S18.61 E70.68 Depth: 15.0km ID:44812

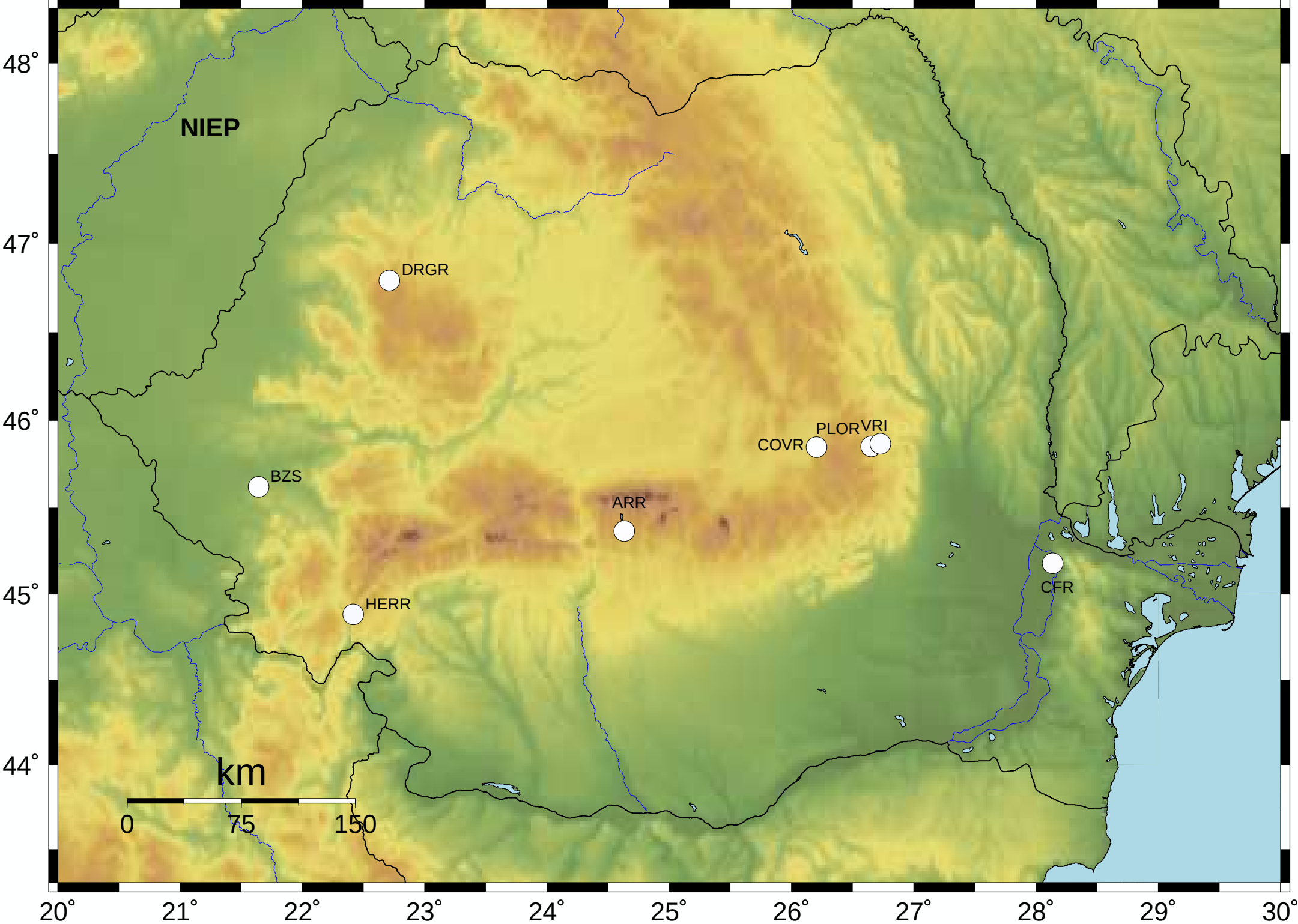


| Station | Dist.(km) | Acc.  |
|---------|-----------|-------|
| COVR    | 8630      | 0.011 |
| HERR    | 8784      | 0.010 |
| VRI     | 8600      | 0.009 |
| ARR     | 8684      | 0.005 |
| CFR     | 8456      | 0.003 |
| BZS     | 8895      | 0.002 |
| DRGR    | 8925      | 0.001 |
| PLOR    | 8603      | 0.001 |

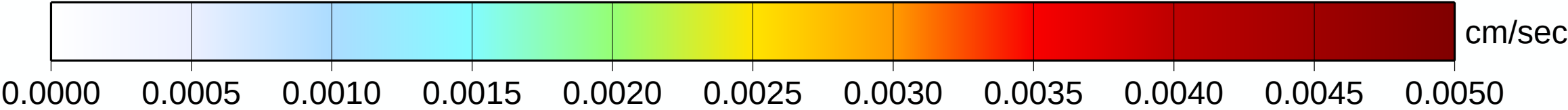


Observed stations velocities – Antelope platform (cm/sec)

Maximum observed velocity: DRGR\_HHZ 0.000  
Sat May 23, 2020 23:01:57 GMT ML Mb 5.2 S18.61 E70.68 Depth: 15.0km ID:44812



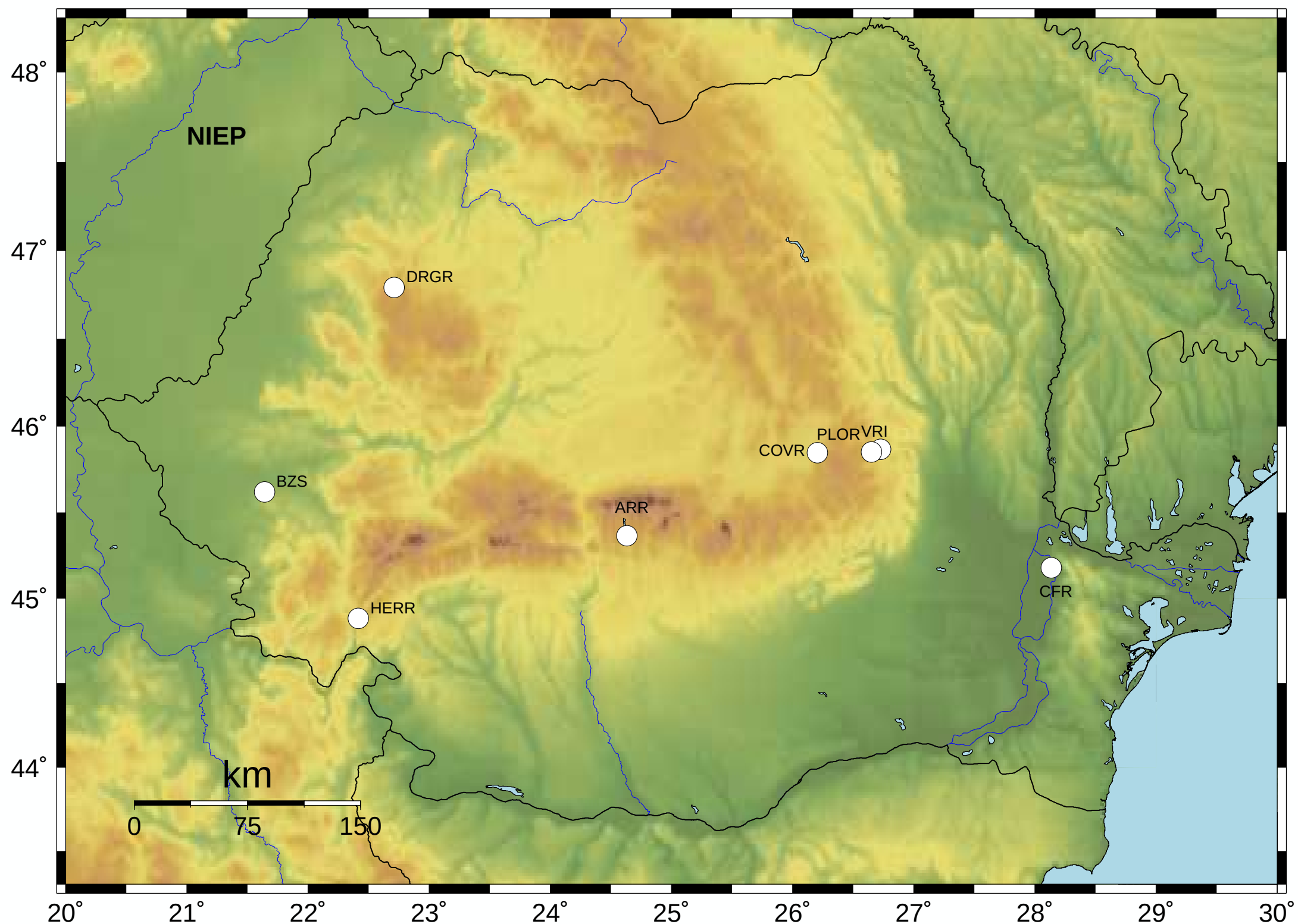
| Station | Dist.(km) | Velocity |
|---------|-----------|----------|
| HERR    | 8784      | 0.000    |
| VRI     | 8600      | 0.000    |
| PLOR    | 8603      | 0.000    |
| DRGR    | 8925      | 0.000    |
| CFR     | 8456      | 0.000    |
| BZS     | 8895      | 0.000    |
| ARR     | 8684      | 0.000    |
| COVR    | 8630      | 0.000    |



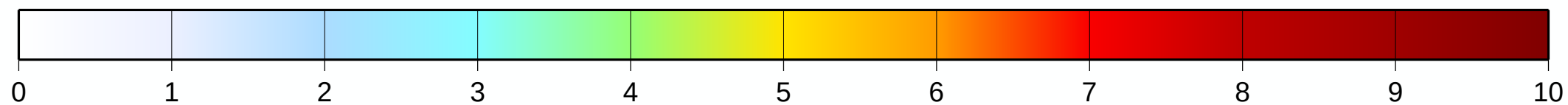
# MSK macroseismic intensities map

Maximum MSK intensity: HERR\_HNE I

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| Station | Dist.(km) | IMSK |
|---------|-----------|------|
| VRI     | 8601      | I    |
| PLOR    | 8604      | I    |
| HERR    | 8784      | I    |
| DRGR    | 8925      | I    |
| COVR    | 8630      | I    |
| CFR     | 8457      | I    |
| BZS     | 8896      | I    |
| ARR     | 8685      | I    |



MSK intensity scale