

| Sce<br>nario<br>number | Sou<br>rce<br>num<br>ber | Magn<br>itude | De<br>pth<br>(k<br>m) | Len<br>gth<br>of<br>the<br>ruptu<br>re (km) | Width<br>of the<br>ruptu<br>re (km) | Total<br>area<br>of the<br>ruptu<br>re<br>(km <sup>2</sup> ) | Epice<br>n<br>ter<br>Longit<br>ude | Epice<br>n<br>ter<br>Latitud<br>e | Stres<br>s par.<br>(Bar) | Stike<br>angle | Dip<br>angle |
|------------------------|--------------------------|---------------|-----------------------|---------------------------------------------|-------------------------------------|--------------------------------------------------------------|------------------------------------|-----------------------------------|--------------------------|----------------|--------------|
| 1                      | 1                        | 7.4           | 9.6                   | 100                                         | 17.5                                | 1750                                                         | 27.8175                            | 40.8273                           | 130                      | 267            | 90           |
| 2                      | 1                        | 7.4           | 8.3                   | 100                                         | 17.5                                | 1750                                                         | 28.6435                            | 40.8648                           | 130                      | 267            | 90           |
| 3                      | 1                        | 7.4           | 11.4                  | 100                                         | 17.5                                | 1750                                                         | 28.1705                            | 40.8440                           | 130                      | 267            | 90           |
| 4                      | 1                        | 7.4           | 16.4                  | 100                                         | 17.5                                | 1750                                                         | 28.4686                            | 40.8573                           | 130                      | 267            | 90           |
| 5                      | 1                        | 7.4           | 12.4                  | 100                                         | 17.5                                | 1750                                                         | 28.2052                            | 40.8456                           | 130                      | 267            | 90           |
| 6                      | 1                        | 7.3           | 8.4                   | 88                                          | 16                                  | 1408                                                         | 27.9567                            | 40.8340                           | 130                      | 267            | 90           |
| 7                      | 1                        | 7.3           | 14.0                  | 88                                          | 16                                  | 1408                                                         | 28.1162                            | 40.8415                           | 130                      | 267            | 90           |
| 8                      | 1                        | 7.3           | 11.8                  | 88                                          | 16                                  | 1408                                                         | 28.4918                            | 40.8583                           | 130                      | 267            | 90           |
| 9                      | 1                        | 7.3           | 5.6                   | 88                                          | 16                                  | 1408                                                         | 28.7956                            | 40.8710                           | 130                      | 267            | 90           |
| 10                     | 1                        | 7.3           | 14.4                  | 88                                          | 16                                  | 1408                                                         | 28.3419                            | 40.8518                           | 130                      | 267            | 90           |
| 11                     | 2                        | 6.4           | 9.7                   | 24                                          | 9                                   | 216                                                          | 29.0892                            | 40.7999                           | 100                      | 117            | 90           |
| 12                     | 2                        | 6.4           | 7.3                   | 24                                          | 9                                   | 216                                                          | 29.0366                            | 40.8203                           | 100                      | 117            | 90           |
| 13                     | 2                        | 6.4           | 6.5                   | 24                                          | 9                                   | 216                                                          | 28.9187                            | 40.8659                           | 100                      | 117            | 90           |
| 14                     | 2                        | 6.4           | 9.3                   | 24                                          | 9                                   | 216                                                          | 28.9506                            | 40.8536                           | 100                      | 117            | 90           |
| 15                     | 2                        | 6.4           | 7.7                   | 24                                          | 9                                   | 216                                                          | 28.9821                            | 40.8414                           | 100                      | 117            | 90           |
| 16                     | 2                        | 6.3           | 7.4                   | 18                                          | 8                                   | 144                                                          | 28.9425                            | 40.8567                           | 100                      | 117            | 90           |
| 17                     | 2                        | 6.3           | 7.6                   | 18                                          | 8                                   | 144                                                          | 28.9564                            | 40.8513                           | 100                      | 117            | 90           |
| 18                     | 2                        | 6.3           | 8.0                   | 18                                          | 8                                   | 144                                                          | 29.0174                            | 40.8278                           | 100                      | 117            | 90           |
| 19                     | 2                        | 6.3           | 5.3                   | 18                                          | 8                                   | 144                                                          | 28.9833                            | 40.8409                           | 100                      | 117            | 90           |

|           |     |      |          |     |      |      |             |             |              |              |    |
|-----------|-----|------|----------|-----|------|------|-------------|-------------|--------------|--------------|----|
| <b>20</b> | 2   | 6.3  | 8.7      | 18  | 8    | 144  | 28.951<br>6 | 40.853<br>2 | 100          | 117          | 90 |
| <b>21</b> | 1   | 7.2  | 14.<br>9 | 72  | 16   | 1152 | 28.570<br>0 | 40.861<br>9 | 130          | 267          | 90 |
| <b>22</b> | 1   | 7.2  | 17.<br>0 | 72  | 16   | 1152 | 28.258<br>4 | 40.848<br>7 | 130          | 267          | 90 |
| <b>23</b> | 1   | 7.2  | 10.<br>3 | 72  | 16   | 1152 | 28.629<br>9 | 40.864<br>3 | 130          | 267          | 90 |
| <b>24</b> | 1   | 7.2  | 16.<br>5 | 72  | 16   | 1152 | 28.606<br>9 | 40.863<br>4 | 130          | 267          | 90 |
| <b>25</b> | 1   | 7.2  | 14.<br>3 | 72  | 16   | 1152 | 28.689<br>3 | 40.866<br>7 | 130          | 267          | 90 |
| <b>26</b> | 1+2 | 7.43 | 6.4      | 124 | 26.5 | 1966 | 28.836<br>7 | 40.872<br>7 | 130 -<br>100 | 267 -<br>117 | 90 |
| <b>27</b> | 1+2 | 7.43 | 8.1      | 124 | 26.5 | 1966 | 28.777<br>3 | 40.870<br>3 | 130 -<br>100 | 267 -<br>117 | 90 |
| <b>28</b> | 1+2 | 7.43 | 8.6      | 124 | 26.5 | 1966 | 28.719<br>3 | 40.867<br>9 | 130 -<br>100 | 267 -<br>117 | 90 |
| <b>29</b> | 1+2 | 7.43 | 5.9      | 124 | 26.5 | 1966 | 28.803<br>8 | 40.871<br>3 | 130 -<br>100 | 267 -<br>117 | 90 |
| <b>30</b> | 1+2 | 7.43 | 5.3      | 124 | 26.5 | 1966 | 28.816<br>0 | 40.871<br>8 | 130 -<br>100 | 267 -<br>117 | 90 |

Sources of seismic events:

