**table S1. Locations of 266 earthquakes obtained in this study.** ID is the number of earthquake in origin time order. The date and origin time are GMT time. The origin time and hypocenters are estimated in this study. λE is longitude, ψN is latitude, and H is focal depth beneath sea level.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Data  yyy/mm/dd | | Time(GMT)  hh:mm:ss.ss | | λE  /° | *ψ*N  /° | H  /km | mb  (Mw) |
| 1  2  3  4  5  6  7  8  9  10  11  12  13  14  15  16  17  18  19  20  21  22  23  24  25  26  27  28  29  30  31  32  33  34  35  36  37  38  39  40  41  42  43  44  45  46  47  48  49  50  51  52  53  54  55  56  57  58  59  60  61  62  63  64  65  66  67  68  69  70  71  72  73  74  75  76  77  78  79  80  81  82  83  84  85  86  87  88  89  90  91  92  93  94  95  96  97  98  99  100  101  102  103  104  105  106  107  108  109  110  111  112  113  114  115  116  117  118  119  120  121  122  123  124  125  126  127  128  129  130  131  132  133  134  135  136  137  138  139  140  141  142  143  144  145  146  147  148  149  150  151  152  153  154  155  156  157  158  159  160  161  162  163  164  165  166  167  168  169  170  171  172  173  174  175  176  177  178  179  180  181  182  183  184  185  186  187  188  189  190  191  192  193  194  195  196  197  198  199  200  201  202  203  204  205  206  207  208  209  210  211  212  213  214  215  216  217  218  219  220  221  222  223  224  225  226  227  228  229  230  231  232  233  234  235  236  237  238  239  240  241  242  243  244  245  246  247  248  249  250  251  252  253  254  255  256  257  258  259  260  261  262  263  264  265  266 | | 2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/25  2015/04/26  2015/04/26  2015/04/26  2015/04/26  2015/04/26  2015/04/26  2015/04/26  2015/04/26  2015/04/26  2015/04/26  2015/04/26  2015/04/26  2015/04/26  2015/04/26  2015/04/26  2015/04/26  2015/04/26  2015/04/26  2015/04/26  2015/04/26  2015/04/26  2015/04/26  2015/04/26  2015/04/26  2015/04/26  2015/04/26  2015/04/26  2015/04/26  2015/04/26  2015/04/26  2015/04/26  2015/04/26  2015/04/26  2015/04/26  2015/04/26  2015/04/26  2015/04/26  2015/04/26  2015/04/26  2015/04/26  2015/04/26  2015/04/26  2015/04/26  2015/04/26  2015/04/26  2015/04/26  2015/04/26  2015/04/26  2015/04/26  2015/04/26  2015/04/26  2015/04/26  2015/04/27  2015/04/27  2015/04/27  2015/04/27  2015/04/27  2015/04/27  2015/04/27  2015/04/27  2015/04/27  2015/04/27  2015/04/27  2015/04/27  2015/04/27  2015/04/27  2015/04/27  2015/04/27  2015/04/27  2015/04/27  2015/04/27  2015/04/27  2015/04/27  2015/04/27  2015/04/27  2015/04/27  2015/04/28  2015/04/28  2015/04/28  2015/04/28  2015/04/28  2015/04/29  2015/04/29  2015/04/29  2015/04/29  2015/04/29  2015/04/29  2015/04/29  2015/04/29  2015/04/29  2015/04/29  2015/04/29  2015/04/29  2015/04/29  2015/04/30  2015/04/30  2015/04/30  2015/04/30  2015/05/02  2015/05/02  2015/05/02  2015/05/03  2015/05/03  2015/05/04  2015/05/04  2015/05/08  2015/05/08  2015/05/08  2015/05/12  2015/05/12  2015/05/12  2015/05/12  2015/05/12  2015/05/12  2015/05/12  2015/05/12  2015/05/12  2015/05/12  2015/05/12  2015/05/12  2015/05/12  2015/05/12  2015/05/12  2015/05/12  2015/05/12  2015/05/13  2015/05/13  2015/05/13  2015/05/13  2015/05/13  2015/05/15  2015/05/16  2015/05/16  2015/05/16  2015/05/18  2015/05/22  2015/05/26  2015/05/28  2015/05/29  2015/05/30  2015/06/07  2015/06/11  2015/06/11  2015/06/13  2015/06/17  2015/06/29  2015/06/29  2015/07/02  2015/07/03  2015/07/06  2015/07/10  2015/08/09  2015/08/14  2015/08/15  2015/08/17  2015/08/23  2015/08/30  2015/09/01  2015/09/16  2015/09/22  2015/10/05  2015/10/05  2015/10/06  2015/10/07  2015/11/19  2015/11/24  2016/02/05  2016/02/24  2016/03/13  2016/03/14  2016/03/30  2016/04/04  2016/04/12  2016/05/14 | 06:11:25.57  06:25:56.67  06:38:00.19  06:45:21.21  06:56:34.52  06:58:27.84  07:03:50.39  07:05:28.19  07:07:01.51  07:13:45.33  07:16:56.08  07:23:39.32  07:39:34.44  07:47:03.64  07:55:44.60  07:59:16.57  08:05:40.01  08:16:00.06  08:20:12.79  08:20:51.00  08:22:48.35  08:36:05.90  08:49:09.15  09:01:52.28  09:03:17.09  09:28:00.95  09:30:31.69  09:43:00.83  09:53:35.73  10:10:33.58  10:23:19.02  10:40:15.51  10:40:35.46  10:47:32.00  10:53:45.40  11:05:02.03  12:01:10.18  12:12:16.99  12:17:54.81  12:39:54.49  13:21:46.10  13:29:31.54  13:30:28.95  13:36:15.38  13:48:16.67  13:53:06.52  14:10:04.71  14:23:14.58  14:30:14.03  14:36:34.45  14:38:22.38  14:48:48.79  14:51:23.88  14:54:50.30  15:11:25.79  15:17:16.45  15:27:53.68  15:33:23.07  15:43:47.18  16:24:00.46  16:27:23.40  16:41:13.44  16:46:40.42  17:34:12.41  17:55:54.47  18:01:26.92  18:13:35.52  18:29:45.22  19:10:42.18  19:16:10.69  19:44:24.80  19:58:33.95  20:04:32.33  20:11:34.26  20:29:54.32  20:32:48.98  21:04:31.56  21:07:19.51  21:31:22.87  21:32:27.49  21:50:07.88  21:57:25.83  22:20:09.20  22:25:39.12  23:12:52.79  23:15:21.95  23:16:15.60  23:21:13.96  23:40:49.80  23:41:54.04  23:47:15.69  23:55:45.65  00:09:00.89  00:15:29.72  00:32:41.48  00:39:11.04  00:41:41.96  01:23:04.11  02:06:41.00  02:21:21.12  02:33:26.98  02:37:43.28  02:48:40.22  02:54:53.14  03:06:21.78  03:10:15.85  04:33:10.10  04:40:17.24  04:50:31.15  04:58:43.68  05:47:30.76  07:09:09.77  07:26:05.72  07:36:30.09  07:43:29.60  07:50:26.70  08:22:12.36  08:40:59.01  08:46:18.39  09:42:03.23  10:43:46.57  12:34:41.71  12:44:22.01  13:03:47.66  13:11:17.11  13:23:24.81  14:32:37.15  14:44:52.67  14:44:50.56  14:57:05.06  15:34:37.36  16:02:30.60  16:23:38.31  16:26:07.32  16:57:25.10  17:20:57.97  17:38:44.95  18:06:34.31  18:54:49.47  21:37:17.97  21:52:24.37  22:30:37.43  22:42:24.08  23:12:12.06  00:01:50.23  00:20:14.17  00:39:17.32  01:15:51.48  01:53:39.94  02:12:21.44  04:14:48.55  05:35:50.72  06:00:02.12  09:32:15.66  12:17:10.50  12:33:06.60  14:31:57.61  14:34:41.43  14:42:41.99  14:57:00.23  15:34:48.60  15:51:46.52  16:54:48.49  17:45:28.50  18:59:58.25  21:14:60.04  21:27:41.87  23:20:28.24  02:00:53.89  02:55:26.55  21:44:24.25  22:29:02.53  23:04:10.23  01:22:25.12  03:18:11.24  07:32:29.76  09:39:14.49  11:27:46.62  12:02:05.02  14:16:25.46  17:16:14.83  17:16:33.63  17:37:13.64  18:17:46.33  19:06:43.01  22:37:37.07  00:37:11.67  07:44:47.20  13:18:46.73  21:11:06.10  05:35:46.75  15:16:18.41  21:44:09.99  11:35:11.11  23:14:15.78  01:15:07.05  12:17:14.02  00:32:33.85  07:47:54.78  21:23:27.43  07:05:19.40  07:17:20.68  07:34:22.84  07:36:53.65  08:13:54.38  08:21:10.75  08:59:40.23  10:15:08.06  10:35:39.82  10:41:32.04  11:06:34.17  11:58:12.45  12:28:23.20  13:43:17.56  16:55:22.87  17:28:39.14  19:37:41.24  06:26:07.43  06:37:30.84  06:53:00.81  10:59:41.92  21:38:06.41  01:42:42.68  03:39:26.36  11:34:09.26  23:15:25.53  22:49:50.19  10:59:33.78  17:07:13.17  23:35:53.95  10:00:00.05  16:28:15.24  05:17:45.76  16:12:15.59  19:37:05.84  01:18:29.23  00:29:58.80  17:42:41.32  21:46:23.01  01:56:12.72  20:04:08.99  15:29:06.58  21:13:01.35  22:30:30.20  13:02:33.50  18:11:42.36  22:23:59.08  09:02:03.95  13:17:38.74  23:06:39.16  14:52:13.70  06:32:44.92  07:33:21.40  07:36:26.04  23:30:28.55  04:58:19.27  04:15:52.00  12:24:16.78  16:20:09.61  09:22:16.16  05:15:35.77  21:27:31.59  12:26:42.24  04:31:24.45  14:41:53.65  22:45:55.87 | 84.7657  85.5952  85.8402  84.8592  85.7422  86.0137  84.8285  85.4769  85.8944  85.7019  85.6546  85.8840  85.7125  85.6323  85.5075  85.7490  85.7445  85.7663  85.8171  85.1951  85.5588  85.2356  85.0052  85.1420  85.4226  85.2844  85.5287  85.0197  85.7322  84.6548  85.7757  85.8217  85.9563  85.1194  85.8956  85.5079  85.8799  85.8952  85.4207  85.9932  85.9987  85.7972  85.1545  85.9962  85.6913  85.1455  85.8541  85.2161  85.6704  86.0964  85.2277  85.7337  85.0792  85.3698  85.8938  85.5158  85.8556  85.9370  85.4855  85.6546  85.6205  85.2018  85.2864  85.8213  85.2700  85.9648  85.4684  85.5324  84.8986  85.8089  85.5501  85.9399  85.3570  85.5642  84.7689  85.9514  84.8695  85.7850  85.6258  85.7765  85.5282  85.7224  85.2241  85.8287  86.0710  84.9037  84.9369  85.4871  85.2748  86.0477  85.3149  85.7798  85.9482  85.2767  85.1051  86.0467  85.5303  85.8841  85.3282  86.0287  85.9951  85.8060  84.6106  84.8386  84.9151  85.1300  85.3124  84.8565  85.4263  84.8856  84.8040  86.0136  85.9262  86.0148  85.9653  85.9876  85.8369  85.9402  85.8028  85.9274  85.9429  85.8010  85.1207  85.9001  85.5756  85.9371  85.1170  85.9288  85.9107  84.8273  85.1577  85.9682  85.2810  85.8174  86.0424  85.9891  85.3743  85.4619  84.8860  85.7670  85.1701  85.7219  85.7447  85.2880  86.0102  86.0897  85.0735  85.9666  85.2127  84.9538  85.1193  85.4773  86.1024  85.0845  86.0416  85.5520  85.7131  86.1176  85.7699  86.1197  85.7225  85.2881  85.8829  84.9000  84.8415  85.5089  85.7581  85.3403  86.0714  85.7962  85.8316  85.4553  85.6412  86.0571  86.0767  85.3809  84.8273  85.4766  85.4912  84.8319  84.7645  85.6342  85.7480  86.0506  85.0196  85.4879  84.7683  86.0527  86.0209  85.2880  84.6738  85.9821  85.9279  85.0728  85.9120  85.9855  86.0482  85.9911  85.9130  85.1284  86.1299  86.1950  86.2849  86.2068  85.8582  86.1490  86.2605  86.1624  86.1531  86.2392  86.1704  85.8750  85.9860  85.8924  85.9756  86.2243  86.1787  86.2022  86.1570  86.1834  86.0471  86.0871  84.7692  85.8587  86.2006  86.0221  86.0085  85.0081  85.1072  84.6765  84.8098  85.0425  85.5939  85.7323  84.7768  86.1622  85.5079  85.6764  85.8217  85.5960  84.9285  85.7437  86.1856  84.7179  86.0066  85.9908  86.1373  86.1230  85.7502  86.2379  86.2199  84.9860  86.1594  86.2097  85.9927  84.9151  85.7270  84.7806  85.4948  85.7204  84.8879  85.6724  85.7205  86.0564  86.1461  85.2775 | | 28.2387  27.6870  27.7920  28.2990  27.8189  27.7249  28.0171  27.9256  27.7492  27.8375  27.8248  27.9275  27.6925  27.8937  27.8872  27.9031  27.7155  27.7338  27.7742  27.7356  27.8772  27.7632  27.7938  27.7704  27.9296  28.0308  27.9284  28.1337  27.6784  28.2733  27.7905  27.7688  27.6549  27.7570  27.8085  27.8780  27.8872  27.6935  27.9908  27.6406  27.7258  27.8329  28.0583  27.6600  27.8622  27.7676  27.6958  28.0122  27.8665  27.6217  28.0748  27.8827  28.0565  28.0714  27.7949  27.8989  27.8882  27.6737  27.9378  27.6410  27.8706  28.0145  27.8054  27.7425  28.0965  27.8178  28.0054  27.9407  27.8614  27.8883  27.9162  27.6758  28.0278  27.9048  28.1680  27.6658  27.8298  27.8355  27.9171  27.8547  27.8348  27.5551  28.0429  27.7474  27.6307  28.0444  27.8935  27.9591  27.6734  27.6585  28.0326  27.7040  27.6825  27.6764  27.7967  27.8360  27.9200  27.9132  28.0395  27.6636  27.6266  27.8003  28.3030  28.1522  28.0752  27.7490  28.0263  28.0512  27.9952  28.0775  28.1342  27.7666  27.7715  27.8175  27.7085  27.7038  27.8187  27.7237  27.9240  27.8019  27.8095  27.7338  28.1100  27.9327  27.8879  27.6700  27.7649  27.6714  27.6492  28.2514  28.0734  27.7898  27.6664  27.7660  27.8394  27.6631  28.0232  27.8470  28.0415  27.8908  27.7069  27.5477  27.8224  28.1042  27.7711  27.8749  27.7534  27.6346  28.0287  28.0456  28.1199  27.9297  27.8287  27.7543  27.7938  27.9103  27.6317  27.8319  27.8156  27.9559  27.6977  27.6875  27.7735  28.1081  28.0910  27.9139  27.9035  27.9845  27.7735  27.7711  27.8987  27.9245  27.9178  27.6266  27.6650  28.0320  27.8191  27.8950  27.9086  28.0894  28.1195  27.8627  27.8780  27.7385  28.0248  27.9073  27.9129  27.6526  27.6612  27.6697  28.2870  27.6639  27.6500  27.7189  27.7320  27.6466  27.7512  27.6645  27.8622  27.9689  27.8032  27.7380  27.7534  27.6428  27.7903  27.7449  27.6793  27.6283  27.7269  27.7170  27.6653  27.5930  27.6983  27.7507  27.7275  27.5715  27.6467  27.6623  27.7197  27.6742  27.6780  27.6704  27.9382  27.6976  27.6059  27.7081  27.6860  28.0194  28.2254  28.2208  27.9318  27.8005  27.9331  27.9187  28.1057  27.7253  27.9654  27.9305  27.6324  27.9170  27.7206  27.9246  27.8541  28.2128  27.6106  27.7423  27.9267  27.8915  27.7278  27.7307  27.6822  27.7323  27.7068  27.7510  27.7308  28.0575  27.8924  28.2527  27.8769  27.8404  27.8816  27.9036  27.9175  27.6805  27.5778  27.8571 | 16.5  14.6  9.1  15.0  11.1  8.9  3.8  11.8  15.7  5.5  13.9  5.4  9.2  12.8  8.4  10.0  16.3  10.2  12.7  10.3  6.2  7.0  7.5  6.4  11.4  15.2  17.8  5.9  7.8  16.0  10.4  12.6  8.8  7.3  13.6  9.0  6.9  14.2  9.3  9.8  6.5  5.3  6.8  10.0  6.8  8.1  6.3  6.5  8.0  9.0  5.1  9.4  6.7  5.7  9.2  11.4  10.2  7.8  11.4  5.2  10.1  6.0  4.5  6.8  6.3  10.7  7.3  9.0  2.3  13.0  4.5  7.2  7.9  5.5  7.3  7.8  2.4  14.5  9.2  7.6  8.0  5.5  8.5  8.2  6.8  2.8  10.5  3.6  7.1  13.3  5.6  1.9  6.5  7.3  3.9  9.4  3.0  5.3  6.7  8.1  6.6  8.3  14.6  6.1  1.6  7.4  6.4  5.5  10.8  17.3  5.8  19.0  10.4  17.5  11.3  11.2  10.6  22.6  10.2  8.6  16.0  3.7  5.9  5.5  11.5  7.0  8.0  15.8  13.7  11.1  6.5  8.5  5.4  14.2  10.3  8.5  5.0  10.0  5.9  12.1  5.6  4.9  9.1  4.9  11.3  10.3  2.9  5.3  4.2  1.0  6.3  7.1  11.9  8.1  10.8  7.8  7.8  10.5  11.5  0.2  6.9  6.5  10.2  9.6  23.1  11.1  7.0  12.5  12.1  4.9  7.5  10.1  12.3  7.5  11.1  4.0  1.7  14.0  5.9  13.3  12.0  4.9  5.8  17.1  0.9  10.8  8.6  8.0  8.3  5.8  16.0  14.3  7.2  9.8  10.9  6.6  14.4  9.4  14.5  8.6  19.0  9.4  11.0  10.0  11.0  13.1  17.2  18.6  6.5  3.9  8.0  13.2  8.0  10.3  8.0  5.7  13.9  8.7  17.7  13.2  21.6  14.7  13.2  9.7  7.4  12.7  8.2  11.7  15.5  9.5  13.3  4.3  13.7  5.6  12.1  5.8  9.7  12.0  10.4  14.5  8.5  8.6  6.7  15.0  10.3  15.4  9.8  6.8  12.4  11.1  10.6  6.9  8.5  14.5  7.0  19.6  15.4  9.1  22.6  3.9  11.3  10.3  13.2  15.9  16.5  24.8 | (7.8)  5.0  5.1  (6.6)  5.5  5.1  4.4  4.3  4.9  4.8  4.7  4.4  4.5  5.0  4.4  4.4  4.6  4.9  4.7  4.9  4.6  4.2  4.4  4.4  4.8  4.4  4.9  4.4  4.0  4.2  4.4  4.1  4.8  4.4  4.6  4.2  4.2  4.3  4.5  4.0  4.8  4.3  4.6  4.7  4.0  4.4  4.6  4.7  4.3  4.8  4.3  4.2  4.7  4.3  4.4  4.6  4.2  4.2  4.5  4.3  4.9  4.2  4.0  4.2  4.2  4.4  4.1  4.3  4.1  4.2  4.2  4.1  4.3  4.4  4.5  4.4  4.3  4.6  4.2  4.1  4.3  4.1  4.1  4.0  4.0  4.0  (5.5)  4.7  4.2  4.5  4.2  4.1  4.1  4.1  4.2  4.2  4.0  4.2  4.2  4.2  4.1  4.0  4.5  4.2  4.2  4.2  4.2  4.0  4.1  4.5  4.1  (6.7)  4.9  4.7  4.4  4.2  4.4  4.6  4.4  4.3  4.4  4.0  4.2  4.1  4.5  4.2  4.1  4.5  4.5  4.3  4.0  4.2  4.2  (5.6)  4.2  4.0  4.4  4.2  4.4  4.2  4.5  4.6  4.6  4.1  4.3  4.2  4.1  4.3  4.4  4.1  4.1  4.0  4.0  4.3  4.1  4.3  4.1  4.2  4.3  4.0  4.1  4.3  4.6  4.3  4.8  3.7  4.2  4.2  4.3  4.2  4.1  4.2  4.2  4.4  4.3  4.2  4.2  4.6  4.1  4.0  4.1  4.4  4.1  4.1  4.1  4.3  4.3  4.4  4.3  4.2  4.9  4.3  4.3  4.3  4.2  4.5  4.1  4.9  4.2  4.0  (7.3)  5.5  5.4  (6.3)  5.1  5.2  4.5  4.3  4.5  4.5  4.2  4.3  4.5  4.4  4.4  4.8  4.5  4.7  4.5  4.8  4.2  5.0  4.9  4.7  (5.5)  4.4  4.4  4.7  4.6  4.0  4.8  4.3  4.2  4.8  4.4  4.8  4.3  4.0  4.3  4.2  4.5  4.2  4.2  4.2  4.6  4.7  4.2  5.0  4.5  4.1  4.2  4.4  4.5  4.3  4.3  4.2  5.0  4.6  5.2  4.7  4.4  4.3  4.1  4.2  4.3  4.4 |