

# Kansas Geological Survey's Earthquake Highlights

July 2016 with KGS earthquake catalog covering January 1–June 30, 2016 Issue 2

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## Appendix A

Earthquakes located by the Kansas seismic monitoring network from January through June 2016. Yellow highlighting indicates SAS of 17 or greater, and green indicates earthquakes also reported in the NEIC global earthquake bulletin (PDE). The full text of Earthquake Highlights Issue 2 is available online at [http://www.kgs.ku.edu/Geo-physics/Earthquakes/Newsletter/EQ\\_Highlights\\_Issue\\_2\\_July2016.pdf](http://www.kgs.ku.edu/Geo-physics/Earthquakes/Newsletter/EQ_Highlights_Issue_2_July2016.pdf).

| origin time (UTC)   | latitude | longitude | depth (km) | magnitude (MC) | latitude error (km) | longitude error (km) | depth error (km) | gap | SAS  |
|---------------------|----------|-----------|------------|----------------|---------------------|----------------------|------------------|-----|------|
| 2016-01-01 00:17:24 | 37.533   | -98.102   | 5.0        | 1.1            | 8.2                 | 3.1                  | 0.0              | 168 | 6.2  |
| 2016-01-01 01:35:27 | 37.151   | -98.782   | 5.0        | 1.2            | 2.7                 | 1.9                  | 0.0              | 232 | 8.4  |
| 2016-01-01 02:52:58 | 37.235   | -97.881   | 5.0        | 2.4            | 1.4                 | 1.1                  | 0.0              | 164 | 17.8 |
| 2016-01-01 09:02:24 | 37.549   | -97.760   | 5.0        | 2.1            | 2.3                 | 1.8                  | 0.0              | 152 | 16.4 |
| 2016-01-01 10:11:47 | 37.371   | -97.653   | 5.0        | 2.2            | 1.7                 | 1.9                  | 0.0              | 128 | 15.8 |
| 2016-01-01 12:25:58 | 37.162   | -97.639   | 5.0        | 2.4            | 2.4                 | 1.8                  | 0.0              | 174 | 19.8 |
| 2016-01-01 13:54:31 | 37.533   | -97.982   | 5.0        | 1.4            | 2.7                 | 9.6                  | 0.0              | 179 | 11.0 |
| 2016-01-01 16:55:32 | 37.215   | -97.961   | 5.0        | 1.7            | 1.7                 | 1.2                  | 0.0              | 177 | 15.9 |
| 2016-01-01 18:52:44 | 37.133   | -97.669   | 5.0        | 2.3            | 2.1                 | 1.5                  | 0.0              | 188 | 18.3 |
| 2016-01-01 23:12:23 | 37.229   | -97.944   | 5.0        | 1.1            | 1.5                 | 1.3                  | 0.0              | 170 | 12.2 |
| 2016-01-02 04:05:44 | 37.263   | -97.615   | 5.0        | 1.3            | 1.8                 | 2.1                  | 0.0              | 161 | 14.7 |
| 2016-01-02 08:09:02 | 37.080   | -97.717   | 5.0        | 1.8            | 2.5                 | 1.9                  | 0.0              | 222 | 16.2 |
| 2016-01-02 08:21:52 | 37.253   | -97.588   | 5.0        | 2.1            | 1.6                 | 1.5                  | 0.0              | 155 | 18.4 |
| 2016-01-02 08:25:51 | 37.251   | -97.610   | 5.0        | 2.0            | 1.8                 | 1.7                  | 0.0              | 156 | 18.0 |
| 2016-01-02 13:01:17 | 37.213   | -97.909   | 5.0        | 2.0            | 2.4                 | 1.5                  | 0.0              | 177 | 19.0 |
| 2016-01-02 14:17:25 | 37.263   | -97.535   | 5.0        | 2.2            | 2.2                 | 2.0                  | 0.0              | 150 | 17.8 |
| 2016-01-02 15:59:16 | 37.223   | -97.587   | 5.0        | 0.8            | 2.3                 | 2.6                  | 0.0              | 223 | 12.6 |
| 2016-01-02 18:33:47 | 37.106   | -98.879   | 5.0        | 2.1            | 2.3                 | 1.7                  | 0.0              | 182 | 15.4 |
| 2016-01-02 19:45:26 | 37.384   | -97.979   | 5.0        | 1.9            | 1.5                 | 1.2                  | 0.0              | 151 | 17.6 |
| 2016-01-02 22:29:25 | 37.232   | -97.966   | 5.0        | 2.2            | 2.8                 | 1.8                  | 0.0              | 175 | 17.8 |
| 2016-01-02 23:01:20 | 37.143   | -98.019   | 5.0        | 1.3            | 3.9                 | 2.1                  | 0.0              | 190 | 13.7 |
| 2016-01-02 23:38:13 | 37.010   | -97.495   | 5.0        | 1.4            | 2.2                 | 1.4                  | 0.0              | 218 | 13.0 |
| 2016-01-03 01:02:32 | 37.250   | -97.559   | 5.0        | 1.6            | 2.5                 | 2.8                  | 0.0              | 214 | 16.6 |
| 2016-01-03 03:41:47 | 37.364   | -97.962   | 5.0        | 1.6            | 2.7                 | 1.7                  | 0.0              | 185 | 17.6 |
| 2016-01-03 05:09:32 | 37.240   | -97.915   | 5.0        | 1.7            | 2.5                 | 1.9                  | 0.0              | 173 | 15.9 |
| 2016-01-03 07:09:09 | 37.032   | -97.787   | 5.0        | 2.2            | 1.8                 | 1.3                  | 0.0              | 195 | 16.8 |
| 2016-01-03 07:43:18 | 37.236   | -97.857   | 5.0        | 2.0            | 2.3                 | 1.9                  | 0.0              | 164 | 17.0 |
| 2016-01-03 12:54:41 | 37.164   | -97.988   | 5.0        | 2.0            | 2.2                 | 1.6                  | 0.0              | 186 | 19.0 |
| 2016-01-03 13:29:21 | 37.112   | -98.012   | 5.0        | 1.7            | 3.1                 | 1.7                  | 0.0              | 194 | 17.9 |
| 2016-01-03 14:24:40 | 38.863   | -97.456   | 5.0        | 2.1            | 4.3                 | 4.6                  | 0.0              | 286 | 9.4  |
| 2016-01-03 15:04:19 | 37.381   | -97.971   | 5.0        | 2.0            | 2.2                 | 1.8                  | 0.0              | 152 | 19.0 |

| origin time (UTC)   | latitude | longitude | depth (km) | magnitude (MC) | latitude error (km) | longitude error (km) | depth error (km) | gap | SAS  |
|---------------------|----------|-----------|------------|----------------|---------------------|----------------------|------------------|-----|------|
| 2016-01-03 15:24:19 | 37.415   | -97.949   | 5.0        | 1.5            | 1.5                 | 1.3                  | 0.0              | 176 | 17.3 |
| 2016-01-03 17:12:38 | 37.332   | -98.163   | 5.0        | 1.5            | 2.6                 | 2.0                  | 0.0              | 201 | 10.3 |
| 2016-01-03 19:32:34 | 37.327   | -98.072   | 5.0        | 1.4            | 2.2                 | 1.5                  | 0.0              | 161 | 15.0 |
| 2016-01-03 19:53:59 | 37.339   | -98.028   | 5.0        | 2.0            | 1.7                 | 1.3                  | 0.0              | 151 | 18.0 |
| 2016-01-04 01:27:30 | 37.081   | -98.000   | 5.0        | 2.0            | 2.8                 | 2.0                  | 0.0              | 229 | 19.0 |
| 2016-01-04 01:45:41 | 37.098   | -97.961   | 5.0        | 2.1            | 2.9                 | 2.0                  | 0.0              | 196 | 19.4 |
| 2016-01-04 02:12:11 | 37.487   | -98.883   | 5.0        | 1.9            | 1.9                 | 1.9                  | 0.0              | 181 | 12.6 |
| 2016-01-04 06:26:25 | 37.231   | -97.564   | 5.0        | 1.9            | 1.5                 | 1.3                  | 0.0              | 158 | 14.6 |
| 2016-01-04 09:23:49 | 37.370   | -97.975   | 5.0        | 1.6            | 2.1                 | 1.7                  | 0.0              | 185 | 17.6 |
| 2016-01-04 13:51:43 | 37.312   | -98.052   | 5.0        | 1.3            | 1.4                 | 1.5                  | 0.0              | 115 | 14.7 |
| 2016-01-04 15:47:04 | 37.098   | -97.978   | 5.0        | 2.3            | 2.1                 | 1.5                  | 0.0              | 196 | 18.3 |
| 2016-01-04 18:54:54 | 37.228   | -97.781   | 5.0        | 1.6            | 2.9                 | 2.0                  | 0.0              | 169 | 15.6 |
| 2016-01-04 18:57:42 | 37.133   | -97.661   | 5.0        | 1.6            | 2.4                 | 1.5                  | 0.0              | 196 | 15.6 |
| 2016-01-04 22:48:47 | 37.132   | -97.653   | 5.0        | 2.1            | 2.3                 | 1.7                  | 0.0              | 188 | 17.4 |
| 2016-01-05 01:01:50 | 37.214   | -97.929   | 5.0        | 1.8            | 1.6                 | 1.3                  | 0.0              | 177 | 14.2 |
| 2016-01-05 03:13:27 | 37.040   | -97.694   | 5.0        | 1.7            | 2.8                 | 1.7                  | 0.0              | 224 | 13.9 |
| 2016-01-05 08:09:44 | 37.212   | -97.790   | 5.0        | 1.4            | 2.3                 | 1.8                  | 0.0              | 175 | 14.0 |
| 2016-01-05 08:12:56 | 37.228   | -97.784   | 5.0        | 2.0            | 2.9                 | 2.0                  | 0.0              | 169 | 16.0 |
| 2016-01-05 08:58:08 | 37.260   | -98.671   | 5.0        | 1.4            | 4.7                 | 3.5                  | 0.0              | 160 | 10.0 |
| 2016-01-05 12:46:21 | 37.894   | -98.455   | 5.0        | 1.5            | 6.0                 | 2.5                  | 0.0              | 260 | 5.3  |
| 2016-01-05 13:53:32 | 37.424   | -98.182   | 5.0        | 1.1            | 1.0                 | 1.0                  | 0.0              | 142 | 12.2 |
| 2016-01-05 18:12:04 | 37.131   | -97.651   | 5.0        | 2.0            | 2.0                 | 1.5                  | 0.0              | 196 | 17.0 |
| 2016-01-05 20:38:19 | 37.522   | -97.875   | 5.0        | 1.0            | 1.4                 | 1.9                  | 0.0              | 133 | 12.0 |
| 2016-01-05 20:40:12 | 37.398   | -97.980   | 5.0        | 1.3            | 1.0                 | 1.6                  | 0.0              | 164 | 12.7 |
| 2016-01-06 00:29:00 | 37.257   | -98.779   | 5.0        | 1.9            | 2.0                 | 1.3                  | 0.0              | 182 | 15.6 |
| 2016-01-06 03:32:08 | 37.288   | -98.093   | 5.0        | 2.1            | 1.2                 | 1.4                  | 0.0              | 109 | 15.4 |
| 2016-01-06 08:25:08 | 37.231   | -97.558   | 5.0        | 1.8            | 2.0                 | 1.9                  | 0.0              | 162 | 14.2 |
| 2016-01-06 13:48:22 | 37.136   | -97.958   | 5.0        | 1.4            | 2.2                 | 1.7                  | 0.0              | 190 | 14.0 |
| 2016-01-06 14:19:04 | 37.209   | -98.019   | 5.0        | 1.9            | 2.9                 | 1.9                  | 0.0              | 179 | 14.6 |
| 2016-01-06 19:32:07 | 37.081   | -98.012   | 5.0        | 1.9            | 2.2                 | 1.6                  | 0.0              | 199 | 15.6 |
| 2016-01-07 08:34:02 | 37.515   | -97.853   | 5.0        | 2.1            | 1.8                 | 1.7                  | 0.0              | 104 | 15.4 |
| 2016-01-07 10:12:06 | 37.156   | -97.993   | 5.0        | 0.8            | 2.9                 | 2.0                  | 0.0              | 229 | 12.6 |
| 2016-01-07 11:29:08 | 37.007   | -97.756   | 5.0        | 1.6            | 2.7                 | 1.9                  | 0.0              | 236 | 16.6 |
| 2016-01-07 16:05:59 | 37.391   | -97.981   | 5.0        | 2.0            | 2.7                 | 1.3                  | 0.0              | 150 | 15.0 |
| 2016-01-07 16:22:38 | 37.253   | -97.989   | 5.0        | 2.2            | 2.2                 | 1.6                  | 0.0              | 145 | 16.8 |
| 2016-01-07 16:48:11 | 37.059   | -97.722   | 5.0        | 1.7            | 2.5                 | 1.4                  | 0.0              | 202 | 16.9 |
| 2016-01-08 00:00:07 | 37.257   | -97.981   | 5.0        | 1.8            | 1.9                 | 1.6                  | 0.0              | 144 | 15.2 |
| 2016-01-08 00:19:10 | 37.065   | -97.724   | 5.0        | 2.1            | 2.3                 | 1.6                  | 0.0              | 201 | 19.4 |
| 2016-01-08 03:47:10 | 37.027   | -97.782   | 5.0        | 2.2            | 2.9                 | 1.8                  | 0.0              | 196 | 17.8 |
| 2016-01-08 05:11:43 | 37.063   | -97.752   | 5.0        | 2.0            | 3.1                 | 1.9                  | 0.0              | 191 | 19.0 |
| 2016-01-08 05:25:32 | 37.289   | -98.818   | 5.0        | 1.5            | 2.7                 | 3.5                  | 0.0              | 231 | 17.3 |
| 2016-01-08 05:31:57 | 37.238   | -98.767   | 5.0        | 1.5            | 1.9                 | 1.8                  | 0.0              | 159 | 15.3 |
| 2016-01-08 06:06:34 | 37.183   | -97.911   | 5.0        | 1.2            | 1.8                 | 1.5                  | 0.0              | 195 | 13.4 |
| 2016-01-08 06:32:20 | 37.362   | -98.929   | 5.0        | 1.4            | 2.1                 | 3.0                  | 0.0              | 162 | 13.0 |
| 2016-01-08 12:38:05 | 37.279   | -97.982   | 5.0        | 0.8            | 1.3                 | 1.9                  | 0.0              | 187 | 11.6 |
| 2016-01-08 15:07:45 | 37.308   | -97.515   | 5.0        | 1.4            | 1.7                 | 1.6                  | 0.0              | 138 | 13.0 |
| 2016-01-08 15:11:37 | 37.200   | -97.648   | 5.0        | 1.5            | 2.7                 | 3.6                  | 0.0              | 256 | 13.3 |
| 2016-01-08 16:39:24 | 37.239   | -98.784   | 5.0        | 1.8            | 1.5                 | 0.9                  | 0.0              | 191 | 17.2 |
| 2016-01-08 18:14:10 | 37.328   | -98.845   | 5.0        | 2.0            | 1.9                 | 1.9                  | 0.0              | 143 | 17.0 |

| origin time (UTC)   | latitude | longitude | depth (km) | magnitude (MC) | latitude error (km) | longitude error (km) | depth error (km) | gap | SAS  |
|---------------------|----------|-----------|------------|----------------|---------------------|----------------------|------------------|-----|------|
| 2016-01-09 00:22:19 | 37.313   | -98.827   | 5.0        | 1.7            | 1.8                 | 1.6                  | 0.0              | 149 | 16.9 |
| 2016-01-09 00:34:31 | 37.263   | -97.552   | 5.0        | 0.7            | 1.6                 | 1.9                  | 0.0              | 227 | 11.5 |
| 2016-01-09 07:56:57 | 37.015   | -97.559   | 5.0        | 2.2            | 2.2                 | 1.3                  | 0.0              | 214 | 16.8 |
| 2016-01-09 21:44:13 | 37.232   | -97.970   | 5.0        | 1.1            | 2.5                 | 1.7                  | 0.0              | 166 | 13.2 |
| 2016-01-09 22:53:13 | 37.192   | -97.629   | 5.0        | 1.6            | 2.4                 | 1.5                  | 0.0              | 176 | 15.6 |
| 2016-01-09 22:55:37 | 37.173   | -97.602   | 5.0        | 1.5            | 2.0                 | 1.5                  | 0.0              | 182 | 15.3 |
| 2016-01-09 22:57:25 | 37.205   | -97.619   | 5.0        | 1.6            | 1.8                 | 1.4                  | 0.0              | 172 | 15.6 |
| 2016-01-10 00:38:58 | 37.455   | -97.802   | 5.0        | 0.6            | 1.4                 | 2.0                  | 0.0              | 171 | 11.4 |
| 2016-01-10 01:17:58 | 37.192   | -97.946   | 5.0        | 1.0            | 2.4                 | 1.1                  | 0.0              | 217 | 13.0 |
| 2016-01-10 02:23:01 | 37.353   | -97.793   | 5.0        | 1.0            | 2.2                 | 2.5                  | 0.0              | 243 | 12.0 |
| 2016-01-10 02:57:00 | 37.034   | -97.456   | 5.0        | 2.1            | 2.2                 | 1.4                  | 0.0              | 206 | 16.4 |
| 2016-01-10 04:05:25 | 37.101   | -97.858   | 5.0        | 1.8            | 1.9                 | 1.3                  | 0.0              | 184 | 15.2 |
| 2016-01-10 05:25:52 | 37.464   | -98.894   | 5.0        | 0.6            | 3.0                 | 5.2                  | 0.0              | 177 | 7.4  |
| 2016-01-10 06:31:40 | 37.276   | -98.781   | 5.0        | 2.0            | 2.2                 | 1.5                  | 0.0              | 154 | 15.0 |
| 2016-01-10 07:48:21 | 37.131   | -98.036   | 5.0        | 2.0            | 2.3                 | 1.6                  | 0.0              | 179 | 18.0 |
| 2016-01-10 11:47:49 | 37.138   | -98.034   | 5.0        | 2.2            | 3.0                 | 1.8                  | 0.0              | 178 | 17.8 |
| 2016-01-10 13:35:50 | 37.158   | -97.922   | 5.0        | 2.0            | 2.3                 | 1.9                  | 0.0              | 208 | 19.0 |
| 2016-01-10 14:39:46 | 37.138   | -98.025   | 5.0        | 1.7            | 1.9                 | 1.3                  | 0.0              | 190 | 16.9 |
| 2016-01-10 14:42:31 | 37.030   | -97.951   | 5.0        | 1.6            | 3.4                 | 2.1                  | 0.0              | 207 | 14.6 |
| 2016-01-10 15:23:29 | 37.213   | -97.874   | 5.0        | 2.0            | 2.0                 | 1.5                  | 0.0              | 176 | 17.0 |
| 2016-01-10 16:03:32 | 37.074   | -97.999   | 5.0        | 2.0            | 2.4                 | 1.6                  | 0.0              | 200 | 19.0 |
| 2016-01-11 00:15:42 | 37.108   | -97.670   | 5.0        | 1.4            | 2.5                 | 1.8                  | 0.0              | 204 | 13.0 |
| 2016-01-11 05:08:28 | 37.227   | -97.909   | 5.0        | 2.0            | 1.5                 | 1.1                  | 0.0              | 165 | 17.0 |
| 2016-01-11 18:16:03 | 37.039   | -97.328   | 5.0        | 1.4            | 7.3                 | 4.1                  | 0.0              | 276 | 5.0  |
| 2016-01-12 03:52:33 | 37.000   | -97.490   | 5.0        | 2.0            | 3.0                 | 1.5                  | 0.0              | 211 | 16.0 |
| 2016-01-12 05:58:47 | 37.178   | -98.024   | 5.0        | 1.3            | 2.6                 | 2.1                  | 0.0              | 216 | 12.7 |
| 2016-01-12 07:12:12 | 37.447   | -98.094   | 5.0        | 1.6            | 2.3                 | 1.6                  | 0.0              | 181 | 13.6 |
| 2016-01-12 13:16:49 | 37.032   | -97.525   | 5.0        | 2.0            | 2.8                 | 1.8                  | 0.0              | 211 | 16.0 |
| 2016-01-12 15:20:02 | 37.530   | -97.797   | 5.0        | 0.7            | 1.9                 | 2.0                  | 0.0              | 193 | 11.5 |
| 2016-01-12 18:06:46 | 37.247   | -97.851   | 5.0        | 2.1            | 1.8                 | 1.5                  | 0.0              | 161 | 16.4 |
| 2016-01-12 18:18:19 | 37.102   | -97.862   | 5.0        | 1.7            | 2.4                 | 1.6                  | 0.0              | 195 | 14.9 |
| 2016-01-12 20:18:38 | 37.400   | -97.759   | 5.0        | 0.8            | 1.2                 | 2.0                  | 0.0              | 208 | 11.6 |
| 2016-01-12 21:03:11 | 37.514   | -97.801   | 5.0        | 2.0            | 2.2                 | 1.9                  | 0.0              | 102 | 17.0 |
| 2016-01-12 23:05:47 | 37.023   | -98.852   | 5.0        | 2.1            | 2.4                 | 1.5                  | 0.0              | 197 | 13.4 |
| 2016-01-13 00:12:56 | 37.085   | -97.790   | 5.0        | 2.2            | 1.8                 | 1.2                  | 0.0              | 197 | 15.8 |
| 2016-01-13 03:03:36 | 37.249   | -98.772   | 5.0        | 1.4            | 2.4                 | 1.8                  | 0.0              | 160 | 13.0 |
| 2016-01-13 03:49:34 | 37.516   | -97.804   | 5.0        | 1.7            | 1.9                 | 1.6                  | 0.0              | 115 | 17.9 |
| 2016-01-13 05:24:29 | 37.292   | -97.969   | 5.0        | 1.1            | 1.7                 | 2.7                  | 0.0              | 185 | 12.2 |
| 2016-01-13 08:30:08 | 37.505   | -97.813   | 5.0        | 1.8            | 1.9                 | 1.8                  | 0.0              | 98  | 18.2 |
| 2016-01-13 08:52:11 | 37.079   | -97.660   | 5.0        | 1.4            | 2.7                 | 1.6                  | 0.0              | 212 | 13.0 |
| 2016-01-13 09:37:23 | 37.220   | -97.950   | 5.0        | 2.2            | 1.9                 | 1.2                  | 0.0              | 167 | 16.8 |
| 2016-01-13 10:26:46 | 37.094   | -97.788   | 5.0        | 1.2            | 1.9                 | 1.2                  | 0.0              | 215 | 15.4 |
| 2016-01-13 14:55:44 | 37.166   | -97.786   | 5.0        | 1.3            | 2.1                 | 1.8                  | 0.0              | 191 | 14.7 |
| 2016-01-13 18:00:55 | 37.046   | -97.484   | 5.0        | 1.5            | 2.4                 | 1.5                  | 0.0              | 220 | 13.3 |
| 2016-01-13 18:39:43 | 37.145   | -97.810   | 5.0        | 1.4            | 1.8                 | 1.2                  | 0.0              | 200 | 17.0 |
| 2016-01-14 00:18:55 | 37.515   | -97.809   | 5.0        | 1.4            | 1.2                 | 1.3                  | 0.0              | 113 | 15.0 |
| 2016-01-14 00:33:36 | 37.495   | -97.811   | 5.0        | 0.5            | 1.7                 | 2.2                  | 0.0              | 147 | 11.3 |
| 2016-01-14 02:21:31 | 37.509   | -97.817   | 5.0        | 2.0            | 1.9                 | 1.8                  | 0.0              | 100 | 18.0 |
| 2016-01-14 02:40:19 | 37.510   | -97.806   | 5.0        | 2.0            | 2.0                 | 1.8                  | 0.0              | 100 | 18.0 |

| origin time (UTC)   | latitude | longitude | depth (km) | magnitude (MC) | latitude error (km) | longitude error (km) | depth error (km) | gap | SAS  |
|---------------------|----------|-----------|------------|----------------|---------------------|----------------------|------------------|-----|------|
| 2016-01-14 05:44:29 | 37.289   | -97.476   | 5.0        | 0.6            | 1.5                 | 1.3                  | 0.0              | 155 | 11.4 |
| 2016-01-14 12:00:59 | 37.093   | -97.887   | 5.0        | 1.6            | 2.4                 | 1.4                  | 0.0              | 224 | 16.6 |
| 2016-01-14 12:36:57 | 37.287   | -97.992   | 5.0        | 2.0            | 1.8                 | 1.5                  | 0.0              | 121 | 17.0 |
| 2016-01-14 13:34:00 | 37.138   | -98.860   | 5.0        | 1.8            | 2.4                 | 1.8                  | 0.0              | 268 | 14.2 |
| 2016-01-14 14:28:36 | 37.061   | -97.799   | 5.0        | 2.0            | 3.2                 | 1.9                  | 0.0              | 201 | 16.0 |
| 2016-01-14 15:17:54 | 37.216   | -97.937   | 5.0        | 2.4            | 2.5                 | 1.6                  | 0.0              | 177 | 18.8 |
| 2016-01-14 16:16:22 | 37.086   | -97.874   | 5.0        | 1.4            | 2.0                 | 1.5                  | 0.0              | 227 | 15.0 |
| 2016-01-14 20:00:52 | 37.213   | -97.849   | 5.0        | 1.3            | 2.3                 | 1.6                  | 0.0              | 176 | 13.7 |
| 2016-01-14 20:12:16 | 37.243   | -97.868   | 5.0        | 1.7            | 1.6                 | 1.3                  | 0.0              | 163 | 14.9 |
| 2016-01-14 20:16:24 | 37.259   | -98.721   | 5.0        | 1.5            | 2.2                 | 1.4                  | 0.0              | 179 | 14.3 |
| 2016-01-15 00:36:59 | 37.236   | -97.993   | 5.0        | 2.0            | 2.4                 | 1.4                  | 0.0              | 174 | 18.0 |
| 2016-01-15 14:51:10 | 37.268   | -98.714   | 5.0        | 1.3            | 1.4                 | 1.0                  | 0.0              | 200 | 13.7 |
| 2016-01-15 15:56:39 | 37.498   | -97.813   | 5.0        | 2.2            | 1.8                 | 1.5                  | 0.0              | 131 | 16.8 |
| 2016-01-15 20:10:22 | 37.014   | -98.842   | 5.0        | 1.8            | 2.3                 | 2.1                  | 0.0              | 259 | 10.2 |
| 2016-01-15 22:47:55 | 37.230   | -98.027   | 5.0        | 1.7            | 2.3                 | 1.3                  | 0.0              | 176 | 14.9 |
| 2016-01-16 03:23:54 | 37.278   | -98.722   | 5.0        | 2.0            | 1.7                 | 1.2                  | 0.0              | 154 | 15.0 |
| 2016-01-16 08:33:16 | 37.202   | -97.879   | 5.0        | 1.1            | 1.5                 | 1.2                  | 0.0              | 253 | 13.2 |
| 2016-01-16 14:39:13 | 37.567   | -97.750   | 5.0        | 2.0            | 2.0                 | 1.9                  | 0.0              | 146 | 19.0 |
| 2016-01-16 15:30:13 | 37.230   | -97.849   | 5.0        | 1.5            | 1.4                 | 1.0                  | 0.0              | 169 | 15.3 |
| 2016-01-16 17:54:05 | 37.568   | -97.752   | 5.0        | 2.0            | 2.0                 | 1.9                  | 0.0              | 146 | 18.0 |
| 2016-01-16 18:59:28 | 37.608   | -97.345   | 5.0        | 2.1            | 1.5                 | 2.0                  | 0.0              | 204 | 7.4  |
| 2016-01-16 20:00:27 | 37.566   | -97.761   | 5.0        | 2.1            | 1.8                 | 2.0                  | 0.0              | 158 | 18.4 |
| 2016-01-16 20:07:07 | 37.559   | -97.744   | 5.0        | 1.4            | 1.4                 | 1.3                  | 0.0              | 169 | 14.0 |
| 2016-01-16 20:13:20 | 37.569   | -97.756   | 5.0        | 2.0            | 1.6                 | 1.5                  | 0.0              | 145 | 18.0 |
| 2016-01-16 21:10:03 | 37.293   | -97.921   | 5.0        | 1.7            | 1.8                 | 1.6                  | 0.0              | 159 | 14.9 |
| 2016-01-16 21:37:47 | 37.363   | -98.001   | 5.0        | 1.0            | 1.1                 | 2.4                  | 0.0              | 168 | 12.0 |
| 2016-01-16 22:17:44 | 37.536   | -97.769   | 5.0        | 1.4            | 2.1                 | 2.0                  | 0.0              | 185 | 14.0 |
| 2016-01-17 09:05:35 | 37.080   | -98.780   | 5.0        | 1.9            | 2.1                 | 1.5                  | 0.0              | 186 | 14.6 |
| 2016-01-17 10:38:46 | 37.317   | -98.835   | 5.0        | 2.0            | 2.3                 | 1.9                  | 0.0              | 144 | 16.0 |
| 2016-01-17 19:24:08 | 37.169   | -98.083   | 5.0        | 1.5            | 2.6                 | 1.7                  | 0.0              | 206 | 14.3 |
| 2016-01-17 21:08:19 | 37.033   | -97.774   | 5.0        | 1.4            | 2.6                 | 1.6                  | 0.0              | 231 | 13.0 |
| 2016-01-18 03:19:01 | 37.301   | -98.002   | 5.0        | 1.7            | 2.3                 | 1.9                  | 0.0              | 110 | 15.9 |
| 2016-01-18 04:02:10 | 37.293   | -98.001   | 5.0        | 1.3            | 1.8                 | 2.3                  | 0.0              | 170 | 14.7 |
| 2016-01-18 04:18:48 | 37.699   | -98.347   | 5.0        | 1.5            | 2.3                 | 0.7                  | 0.0              | 196 | 7.3  |
| 2016-01-18 05:32:49 | 37.317   | -98.846   | 5.0        | 2.0            | 1.3                 | 1.2                  | 0.0              | 142 | 16.0 |
| 2016-01-18 06:09:40 | 37.271   | -97.440   | 5.0        | 0.8            | 1.7                 | 2.1                  | 0.0              | 193 | 11.6 |
| 2016-01-18 07:34:06 | 37.199   | -98.710   | 5.0        | 1.2            | 3.6                 | 2.1                  | 0.0              | 173 | 12.4 |
| 2016-01-18 11:31:08 | 37.248   | -97.962   | 5.0        | 1.6            | 2.0                 | 1.7                  | 0.0              | 217 | 15.6 |
| 2016-01-18 11:33:56 | 37.317   | -98.849   | 5.0        | 1.4            | 1.6                 | 1.6                  | 0.0              | 163 | 14.0 |
| 2016-01-18 12:03:43 | 37.133   | -98.012   | 5.0        | 1.3            | 1.6                 | 1.5                  | 0.0              | 246 | 13.7 |
| 2016-01-19 01:55:07 | 37.062   | -98.033   | 5.0        | 2.0            | 1.8                 | 1.2                  | 0.0              | 202 | 16.0 |
| 2016-01-19 02:21:31 | 37.365   | -98.862   | 5.0        | 1.3            | 3.2                 | 3.4                  | 0.0              | 150 | 13.7 |
| 2016-01-19 04:18:04 | 37.083   | -97.881   | 5.0        | 1.5            | 2.2                 | 1.3                  | 0.0              | 198 | 13.3 |
| 2016-01-19 06:21:53 | 37.052   | -98.037   | 5.0        | 1.9            | 2.6                 | 1.7                  | 0.0              | 190 | 15.6 |
| 2016-01-19 09:27:23 | 37.035   | -97.743   | 5.0        | 1.5            | 2.4                 | 1.5                  | 0.0              | 228 | 13.3 |
| 2016-01-19 18:54:46 | 37.187   | -98.001   | 5.0        | 1.8            | 2.6                 | 1.4                  | 0.0              | 182 | 14.2 |
| 2016-01-19 22:41:42 | 37.267   | -98.825   | 5.0        | 1.8            | 3.4                 | 1.1                  | 0.0              | 179 | 15.2 |
| 2016-01-20 03:50:51 | 37.505   | -97.814   | 5.0        | 2.0            | 0.9                 | 1.1                  | 0.0              | 113 | 16.0 |
| 2016-01-20 03:56:38 | 37.506   | -97.818   | 5.0        | 1.1            | 1.6                 | 1.9                  | 0.0              | 114 | 16.2 |

| origin time (UTC)   | latitude | longitude | depth (km) | magnitude (MC) | latitude error (km) | longitude error (km) | depth error (km) | gap | SAS  |
|---------------------|----------|-----------|------------|----------------|---------------------|----------------------|------------------|-----|------|
| 2016-01-20 04:01:08 | 37.504   | -97.817   | 5.0        | 1.2            | 1.2                 | 1.5                  | 0.0              | 141 | 16.4 |
| 2016-01-20 05:32:05 | 37.089   | -97.644   | 5.0        | 1.4            | 3.1                 | 2.0                  | 0.0              | 209 | 13.0 |
| 2016-01-20 06:30:34 | 37.276   | -98.048   | 5.0        | 2.0            | 1.0                 | 1.0                  | 0.0              | 93  | 15.0 |
| 2016-01-20 07:21:15 | 37.311   | -98.829   | 5.0        | 2.0            | 1.5                 | 1.2                  | 0.0              | 150 | 17.0 |
| 2016-01-20 07:33:59 | 37.515   | -97.811   | 5.0        | 1.5            | 1.3                 | 1.3                  | 0.0              | 113 | 16.3 |
| 2016-01-20 07:55:35 | 37.520   | -97.798   | 5.0        | 0.8            | 1.7                 | 2.0                  | 0.0              | 134 | 14.6 |
| 2016-01-20 09:36:52 | 37.060   | -97.906   | 5.0        | 1.9            | 2.0                 | 1.4                  | 0.0              | 229 | 14.6 |
| 2016-01-20 10:08:32 | 37.086   | -97.785   | 5.0        | 2.3            | 2.3                 | 1.4                  | 0.0              | 187 | 16.3 |
| 2016-01-20 16:20:08 | 37.029   | -97.769   | 5.0        | 1.4            | 2.0                 | 1.2                  | 0.0              | 232 | 13.0 |
| 2016-01-20 19:05:52 | 37.227   | -97.580   | 5.0        | 1.4            | 1.6                 | 1.3                  | 0.0              | 164 | 15.0 |
| 2016-01-20 19:58:56 | 37.488   | -97.790   | 5.0        | 0.9            | 1.7                 | 2.2                  | 0.0              | 157 | 15.8 |
| 2016-01-21 01:52:18 | 37.310   | -98.848   | 5.0        | 1.7            | 1.3                 | 1.2                  | 0.0              | 146 | 14.9 |
| 2016-01-21 05:17:37 | 37.278   | -98.703   | 5.0        | 1.2            | 1.6                 | 1.1                  | 0.0              | 173 | 12.4 |
| 2016-01-21 05:28:09 | 37.227   | -97.859   | 5.0        | 1.9            | 1.8                 | 1.6                  | 0.0              | 174 | 17.6 |
| 2016-01-21 08:01:51 | 37.195   | -97.532   | 5.0        | 1.3            | 2.2                 | 2.2                  | 0.0              | 224 | 14.7 |
| 2016-01-21 11:17:10 | 37.505   | -97.837   | 5.0        | 1.3            | 1.4                 | 1.7                  | 0.0              | 209 | 13.7 |
| 2016-01-21 12:17:18 | 37.234   | -97.864   | 5.0        | 1.4            | 1.4                 | 2.1                  | 0.0              | 251 | 14.0 |
| 2016-01-21 13:19:15 | 37.242   | -97.871   | 5.0        | 2.1            | 2.0                 | 1.4                  | 0.0              | 172 | 17.4 |
| 2016-01-21 14:10:04 | 37.058   | -98.026   | 5.0        | 1.7            | 2.9                 | 1.6                  | 0.0              | 203 | 17.9 |
| 2016-01-21 14:45:00 | 37.144   | -98.104   | 5.0        | 1.5            | 3.6                 | 1.5                  | 0.0              | 190 | 14.3 |
| 2016-01-21 15:51:09 | 37.230   | -97.881   | 5.0        | 2.1            | 2.0                 | 1.4                  | 0.0              | 165 | 17.4 |
| 2016-01-21 16:19:52 | 37.219   | -97.572   | 5.0        | 1.2            | 1.6                 | 2.0                  | 0.0              | 240 | 15.4 |
| 2016-01-22 00:42:08 | 37.049   | -97.894   | 5.0        | 1.6            | 1.6                 | 1.0                  | 0.0              | 204 | 13.6 |
| 2016-01-22 00:53:58 | 37.078   | -98.055   | 5.0        | 2.0            | 2.6                 | 1.6                  | 0.0              | 200 | 19.0 |
| 2016-01-22 00:57:46 | 37.070   | -98.036   | 5.0        | 2.0            | 2.3                 | 1.4                  | 0.0              | 201 | 19.0 |
| 2016-01-22 02:46:28 | 37.064   | -98.024   | 5.0        | 1.9            | 1.8                 | 1.2                  | 0.0              | 202 | 18.6 |
| 2016-01-22 08:03:37 | 37.042   | -98.043   | 5.0        | 2.0            | 1.9                 | 1.2                  | 0.0              | 191 | 19.0 |
| 2016-01-22 09:26:30 | 37.214   | -97.267   | 5.0        | 2.0            | 1.7                 | 1.9                  | 0.0              | 180 | 9.0  |
| 2016-01-22 10:20:57 | 37.211   | -97.573   | 5.0        | 0.8            | 1.5                 | 1.9                  | 0.0              | 242 | 12.6 |
| 2016-01-22 12:22:22 | 37.202   | -97.270   | 5.0        | 1.9            | 1.7                 | 1.8                  | 0.0              | 174 | 10.6 |
| 2016-01-22 13:00:03 | 37.187   | -97.283   | 5.0        | 1.8            | 2.1                 | 1.9                  | 0.0              | 162 | 12.2 |
| 2016-01-22 13:39:18 | 37.327   | -98.607   | 5.0        | 1.5            | 4.6                 | 1.4                  | 0.0              | 175 | 7.3  |
| 2016-01-22 17:03:51 | 38.942   | -97.257   | 5.0        | 2.1            | 4.4                 | 4.2                  | 0.0              | 308 | 7.4  |
| 2016-01-22 21:40:37 | 37.051   | -97.547   | 5.0        | 2.1            | 2.1                 | 1.5                  | 0.0              | 197 | 16.4 |
| 2016-01-22 21:52:35 | 37.033   | -97.530   | 5.0        | 1.6            | 2.2                 | 1.7                  | 0.0              | 211 | 16.6 |
| 2016-01-23 03:04:38 | 37.361   | -98.013   | 5.0        | 1.6            | 2.9                 | 1.5                  | 0.0              | 155 | 13.6 |
| 2016-01-23 03:07:32 | 37.210   | -97.925   | 5.0        | 1.7            | 1.6                 | 1.2                  | 0.0              | 178 | 13.9 |
| 2016-01-23 04:43:33 | 37.016   | -97.574   | 5.0        | 1.2            | 2.4                 | 1.8                  | 0.0              | 265 | 14.4 |
| 2016-01-23 04:44:41 | 37.044   | -97.554   | 5.0        | 1.5            | 2.9                 | 2.0                  | 0.0              | 208 | 15.3 |
| 2016-01-23 09:52:26 | 37.313   | -98.846   | 5.0        | 1.7            | 1.8                 | 1.5                  | 0.0              | 144 | 13.9 |
| 2016-01-23 12:31:06 | 37.076   | -97.717   | 5.0        | 2.0            | 1.6                 | 1.0                  | 0.0              | 199 | 16.0 |
| 2016-01-23 13:04:47 | 37.195   | -97.780   | 5.0        | 2.0            | 1.4                 | 1.0                  | 0.0              | 178 | 15.0 |
| 2016-01-23 15:06:08 | 37.056   | -97.739   | 5.0        | 1.5            | 1.7                 | 1.6                  | 0.0              | 202 | 14.3 |
| 2016-01-23 16:28:22 | 37.618   | -97.741   | 5.0        | 2.0            | 1.6                 | 1.8                  | 0.0              | 164 | 15.0 |
| 2016-01-23 16:51:37 | 37.227   | -97.588   | 5.0        | 1.0            | 1.6                 | 2.0                  | 0.0              | 241 | 15.0 |
| 2016-01-23 19:27:10 | 37.212   | -97.605   | 5.0        | 0.7            | 1.6                 | 2.0                  | 0.0              | 247 | 14.5 |
| 2016-01-23 21:25:56 | 37.204   | -97.607   | 5.0        | 0.9            | 2.0                 | 2.2                  | 0.0              | 229 | 14.8 |
| 2016-01-23 23:31:07 | 37.237   | -97.575   | 5.0        | 2.0            | 2.1                 | 1.7                  | 0.0              | 157 | 16.0 |
| 2016-01-24 00:36:13 | 37.203   | -97.626   | 5.0        | 1.2            | 1.8                 | 1.8                  | 0.0              | 231 | 15.4 |

| origin time (UTC)   | latitude | longitude | depth (km) | magnitude (MC) | latitude error (km) | longitude error (km) | depth error (km) | gap | SAS  |
|---------------------|----------|-----------|------------|----------------|---------------------|----------------------|------------------|-----|------|
| 2016-01-24 00:37:58 | 37.246   | -97.570   | 5.0        | 2.0            | 1.8                 | 1.6                  | 0.0              | 162 | 16.0 |
| 2016-01-24 04:51:08 | 37.062   | -97.961   | 5.0        | 1.8            | 3.0                 | 1.6                  | 0.0              | 202 | 14.2 |
| 2016-01-24 18:06:51 | 37.197   | -97.854   | 5.0        | 2.0            | 2.3                 | 1.8                  | 0.0              | 179 | 15.0 |
| 2016-01-24 22:11:47 | 37.414   | -98.901   | 5.0        | 1.6            | 1.0                 | 1.9                  | 0.0              | 202 | 14.6 |
| 2016-01-25 04:45:30 | 37.466   | -98.959   | 5.0        | 2.0            | 2.6                 | 3.5                  | 0.0              | 164 | 14.0 |
| 2016-01-25 07:49:21 | 37.105   | -97.728   | 5.0        | 1.6            | 1.9                 | 2.1                  | 0.0              | 257 | 15.6 |
| 2016-01-25 08:04:46 | 37.077   | -97.776   | 5.0        | 2.0            | 2.5                 | 1.7                  | 0.0              | 188 | 16.0 |
| 2016-01-25 08:56:35 | 37.095   | -98.054   | 5.0        | 2.1            | 1.7                 | 0.9                  | 0.0              | 197 | 16.4 |
| 2016-01-25 14:55:54 | 37.078   | -97.971   | 5.0        | 1.9            | 1.9                 | 1.8                  | 0.0              | 248 | 17.6 |
| 2016-01-25 19:20:39 | 37.372   | -97.739   | 5.0        | 0.4            | 1.5                 | 1.6                  | 0.0              | 138 | 11.2 |
| 2016-01-25 22:09:56 | 37.168   | -97.785   | 5.0        | 1.9            | 1.2                 | 0.8                  | 0.0              | 190 | 15.6 |
| 2016-01-26 03:08:14 | 37.232   | -97.935   | 5.0        | 1.5            | 2.2                 | 1.9                  | 0.0              | 204 | 15.3 |
| 2016-01-26 04:38:26 | 37.233   | -97.971   | 5.0        | 1.7            | 1.4                 | 1.6                  | 0.0              | 166 | 15.9 |
| 2016-01-26 06:48:05 | 37.046   | -97.960   | 5.0        | 2.0            | 2.5                 | 1.9                  | 0.0              | 204 | 17.0 |
| 2016-01-26 11:32:04 | 37.045   | -98.026   | 5.0        | 1.4            | 3.5                 | 2.6                  | 0.0              | 205 | 15.0 |
| 2016-01-26 14:54:02 | 37.566   | -97.828   | 5.0        | 1.7            | 1.4                 | 1.2                  | 0.0              | 145 | 13.9 |
| 2016-01-26 15:06:11 | 37.568   | -97.824   | 5.0        | 0.6            | 0.8                 | 0.9                  | 0.0              | 147 | 11.4 |
| 2016-01-27 00:19:06 | 37.087   | -98.017   | 5.0        | 1.7            | 1.9                 | 1.4                  | 0.0              | 198 | 15.9 |
| 2016-01-27 00:44:51 | 37.205   | -97.954   | 5.0        | 1.3            | 2.3                 | 1.4                  | 0.0              | 186 | 15.7 |
| 2016-01-27 01:06:50 | 37.029   | -97.743   | 5.0        | 1.7            | 2.2                 | 1.6                  | 0.0              | 230 | 15.9 |
| 2016-01-27 01:55:20 | 37.162   | -97.550   | 5.0        | 1.7            | 2.2                 | 1.9                  | 0.0              | 181 | 15.9 |
| 2016-01-27 04:33:29 | 37.062   | -97.734   | 5.0        | 1.6            | 2.0                 | 1.2                  | 0.0              | 221 | 15.6 |
| 2016-01-27 06:22:42 | 37.058   | -97.714   | 5.0        | 1.8            | 2.7                 | 1.7                  | 0.0              | 202 | 17.2 |
| 2016-01-27 06:24:45 | 37.062   | -97.738   | 5.0        | 2.2            | 1.8                 | 1.2                  | 0.0              | 201 | 16.8 |
| 2016-01-27 09:46:36 | 37.254   | -97.977   | 5.0        | 1.8            | 2.0                 | 2.1                  | 0.0              | 147 | 16.2 |
| 2016-01-27 10:34:45 | 37.301   | -97.946   | 5.0        | 1.6            | 1.2                 | 1.1                  | 0.0              | 126 | 14.6 |
| 2016-01-27 19:14:51 | 37.165   | -97.569   | 5.0        | 1.5            | 1.3                 | 1.0                  | 0.0              | 183 | 15.3 |
| 2016-01-27 19:23:19 | 37.146   | -97.560   | 5.0        | 1.6            | 1.4                 | 1.0                  | 0.0              | 189 | 15.6 |
| 2016-01-28 03:10:10 | 37.611   | -98.485   | 5.0        | 1.6            | 2.6                 | 1.2                  | 0.0              | 164 | 5.6  |
| 2016-01-28 12:50:01 | 37.309   | -97.963   | 5.0        | 1.2            | 1.0                 | 1.7                  | 0.0              | 179 | 13.4 |
| 2016-01-28 21:13:04 | 37.196   | -98.018   | 5.0        | 1.6            | 2.6                 | 2.0                  | 0.0              | 237 | 13.6 |
| 2016-01-28 22:23:02 | 37.517   | -97.023   | 5.0        | 2.0            | 1.2                 | 2.0                  | 0.0              | 242 | 7.0  |
| 2016-01-29 00:59:32 | 37.058   | -97.829   | 5.0        | 1.5            | 2.5                 | 1.7                  | 0.0              | 202 | 13.3 |
| 2016-01-29 03:43:29 | 37.354   | -97.980   | 5.0        | 2.0            | 1.2                 | 2.0                  | 0.0              | 157 | 15.0 |
| 2016-01-29 04:34:41 | 37.256   | -97.898   | 5.0        | 1.4            | 1.8                 | 1.5                  | 0.0              | 225 | 14.0 |
| 2016-01-30 00:38:07 | 37.210   | -98.057   | 5.0        | 1.4            | 2.3                 | 1.7                  | 0.0              | 179 | 13.0 |
| 2016-01-30 01:07:52 | 37.148   | -97.822   | 5.0        | 1.5            | 2.5                 | 1.3                  | 0.0              | 218 | 14.3 |
| 2016-01-30 06:10:55 | 37.241   | -97.783   | 5.0        | 1.8            | 1.5                 | 2.1                  | 0.0              | 241 | 17.2 |
| 2016-01-30 12:20:21 | 37.276   | -98.135   | 5.0        | 1.6            | 2.1                 | 1.4                  | 0.0              | 145 | 13.6 |
| 2016-01-30 23:07:03 | 37.246   | -97.857   | 5.0        | 2.0            | 1.6                 | 1.3                  | 0.0              | 162 | 19.0 |
| 2016-01-31 02:03:33 | 37.028   | -97.776   | 5.0        | 2.0            | 2.1                 | 1.4                  | 0.0              | 196 | 16.0 |
| 2016-01-31 08:22:45 | 37.057   | -97.992   | 5.0        | 1.5            | 2.2                 | 2.2                  | 0.0              | 258 | 14.3 |
| 2016-01-31 12:03:34 | 37.328   | -98.230   | 5.0        | 1.3            | 2.9                 | 1.7                  | 0.0              | 160 | 6.7  |
| 2016-02-01 02:17:48 | 37.051   | -97.485   | 5.0        | 1.1            | 3.0                 | 2.7                  | 0.0              | 270 | 13.2 |
| 2016-02-01 02:57:08 | 37.289   | -98.419   | 5.0        | 1.8            | 2.4                 | 1.3                  | 0.0              | 201 | 6.2  |
| 2016-02-01 03:11:53 | 37.075   | -97.429   | 5.0        | 1.4            | 2.6                 | 1.6                  | 0.0              | 250 | 14.0 |
| 2016-02-01 06:00:48 | 37.363   | -97.642   | 5.0        | 1.2            | 3.2                 | 4.1                  | 0.0              | 201 | 10.4 |
| 2016-02-01 07:45:34 | 37.063   | -97.519   | 5.0        | 2.0            | 2.0                 | 1.5                  | 0.0              | 204 | 15.0 |
| 2016-02-01 09:51:36 | 37.202   | -97.607   | 5.0        | 0.7            | 1.9                 | 2.0                  | 0.0              | 229 | 12.5 |

| origin time (UTC)   | latitude | longitude | depth (km) | magnitude (MC) | latitude error (km) | longitude error (km) | depth error (km) | gap | SAS  |
|---------------------|----------|-----------|------------|----------------|---------------------|----------------------|------------------|-----|------|
| 2016-02-01 14:33:41 | 37.036   | -97.797   | 5.0        | 2.3            | 2.6                 | 1.6                  | 0.0              | 206 | 17.3 |
| 2016-02-01 18:21:31 | 37.230   | -97.875   | 5.0        | 1.3            | 1.5                 | 2.2                  | 0.0              | 253 | 15.7 |
| 2016-02-01 20:16:56 | 37.126   | -97.657   | 5.0        | 1.7            | 1.9                 | 1.9                  | 0.0              | 248 | 15.9 |
| 2016-02-01 23:32:21 | 37.150   | -97.823   | 5.0        | 1.7            | 1.7                 | 1.3                  | 0.0              | 186 | 16.9 |
| 2016-02-02 00:08:09 | 37.154   | -98.590   | 5.0        | 2.0            | 2.1                 | 1.3                  | 0.0              | 175 | 8.0  |
| 2016-02-02 00:22:02 | 37.170   | -97.649   | 5.0        | 0.8            | 1.9                 | 2.4                  | 0.0              | 261 | 12.6 |
| 2016-02-02 00:33:59 | 37.323   | -97.811   | 5.0        | 2.0            | 2.0                 | 2.0                  | 0.0              | 157 | 19.0 |
| 2016-02-02 01:11:42 | 37.143   | -97.637   | 5.0        | 1.8            | 2.1                 | 2.2                  | 0.0              | 244 | 16.2 |
| 2016-02-02 04:42:44 | 37.141   | -97.456   | 5.0        | 1.1            | 5.9                 | 4.7                  | 0.0              | 232 | 12.2 |
| 2016-02-02 07:21:53 | 37.322   | -97.807   | 5.0        | 1.9            | 2.4                 | 1.9                  | 0.0              | 157 | 17.6 |
| 2016-02-02 08:24:43 | 37.170   | -97.805   | 5.0        | 1.6            | 1.7                 | 1.4                  | 0.0              | 183 | 17.6 |
| 2016-02-02 08:30:40 | 37.161   | -97.824   | 5.0        | 2.0            | 2.2                 | 1.7                  | 0.0              | 175 | 17.0 |
| 2016-02-02 09:40:40 | 37.080   | -97.639   | 5.0        | 1.8            | 2.2                 | 1.3                  | 0.0              | 199 | 16.2 |
| 2016-02-02 13:40:16 | 37.211   | -97.965   | 5.0        | 1.5            | 3.2                 | 1.8                  | 0.0              | 178 | 16.3 |
| 2016-02-02 19:25:03 | 37.171   | -98.597   | 5.0        | 1.6            | 4.1                 | 1.6                  | 0.0              | 199 | 8.6  |
| 2016-02-03 00:18:31 | 37.380   | -97.751   | 5.0        | 2.0            | 1.4                 | 1.4                  | 0.0              | 121 | 17.0 |
| 2016-02-03 01:46:06 | 37.040   | -97.924   | 5.0        | 2.0            | 1.7                 | 1.0                  | 0.0              | 192 | 16.0 |
| 2016-02-03 06:33:47 | 37.189   | -97.949   | 5.0        | 1.7            | 1.9                 | 1.2                  | 0.0              | 196 | 16.9 |
| 2016-02-03 06:43:34 | 37.207   | -97.959   | 5.0        | 1.2            | 3.2                 | 2.0                  | 0.0              | 186 | 14.4 |
| 2016-02-03 07:47:53 | 37.381   | -97.736   | 5.0        | 0.9            | 1.3                 | 1.7                  | 0.0              | 121 | 11.8 |
| 2016-02-03 21:32:23 | 37.207   | -97.602   | 5.0        | 1.1            | 2.7                 | 3.4                  | 0.0              | 248 | 16.2 |
| 2016-02-03 22:41:21 | 37.196   | -97.599   | 5.0        | 1.3            | 1.4                 | 1.8                  | 0.0              | 249 | 16.7 |
| 2016-02-03 22:50:17 | 37.217   | -97.586   | 5.0        | 1.0            | 1.4                 | 1.8                  | 0.0              | 243 | 16.0 |
| 2016-02-03 23:36:09 | 37.214   | -97.588   | 5.0        | 1.8            | 2.4                 | 1.9                  | 0.0              | 168 | 17.2 |
| 2016-02-04 00:41:48 | 37.169   | -97.649   | 5.0        | 1.0            | 2.5                 | 1.8                  | 0.0              | 184 | 16.0 |
| 2016-02-04 02:11:45 | 37.068   | -97.746   | 5.0        | 2.2            | 2.1                 | 1.3                  | 0.0              | 200 | 16.8 |
| 2016-02-04 03:47:28 | 37.113   | -98.038   | 5.0        | 2.4            | 2.5                 | 1.8                  | 0.0              | 182 | 20.8 |
| 2016-02-04 04:50:09 | 37.205   | -97.784   | 5.0        | 1.4            | 3.8                 | 3.0                  | 0.0              | 176 | 13.0 |
| 2016-02-04 04:51:23 | 37.139   | -97.986   | 5.0        | 2.1            | 2.8                 | 2.0                  | 0.0              | 190 | 19.4 |
| 2016-02-04 05:22:29 | 37.214   | -97.602   | 5.0        | 2.0            | 2.6                 | 1.9                  | 0.0              | 169 | 16.0 |
| 2016-02-04 05:47:13 | 37.115   | -98.016   | 5.0        | 1.8            | 2.1                 | 1.4                  | 0.0              | 194 | 18.2 |
| 2016-02-04 06:39:45 | 37.219   | -97.599   | 5.0        | 1.3            | 1.6                 | 2.0                  | 0.0              | 245 | 16.7 |
| 2016-02-04 07:17:56 | 37.127   | -98.008   | 5.0        | 2.0            | 2.2                 | 1.6                  | 0.0              | 192 | 19.0 |
| 2016-02-04 07:27:17 | 37.121   | -98.015   | 5.0        | 2.1            | 2.6                 | 1.7                  | 0.0              | 181 | 19.4 |
| 2016-02-04 07:36:56 | 37.082   | -97.731   | 5.0        | 1.3            | 3.4                 | 2.2                  | 0.0              | 215 | 12.7 |
| 2016-02-04 12:10:16 | 37.125   | -97.660   | 5.0        | 2.0            | 2.4                 | 1.9                  | 0.0              | 190 | 17.0 |
| 2016-02-04 14:28:08 | 37.119   | -98.011   | 5.0        | 2.0            | 1.5                 | 1.1                  | 0.0              | 193 | 19.0 |
| 2016-02-04 18:03:01 | 37.103   | -97.683   | 5.0        | 2.0            | 3.0                 | 2.2                  | 0.0              | 206 | 18.0 |
| 2016-02-04 18:07:04 | 37.243   | -97.576   | 5.0        | 2.4            | 1.9                 | 1.7                  | 0.0              | 159 | 17.8 |
| 2016-02-04 22:42:34 | 37.111   | -97.611   | 5.0        | 1.6            | 4.8                 | 3.5                  | 0.0              | 192 | 16.6 |
| 2016-02-04 22:53:45 | 37.121   | -98.006   | 5.0        | 2.0            | 2.0                 | 1.6                  | 0.0              | 193 | 19.0 |
| 2016-02-05 00:12:07 | 37.232   | -98.014   | 5.0        | 2.0            | 1.8                 | 1.3                  | 0.0              | 163 | 16.0 |
| 2016-02-05 00:28:31 | 37.070   | -98.018   | 5.0        | 1.6            | 6.5                 | 4.2                  | 0.0              | 201 | 17.6 |
| 2016-02-05 00:29:22 | 37.131   | -98.004   | 5.0        | 2.1            | 2.5                 | 1.9                  | 0.0              | 191 | 19.4 |
| 2016-02-05 00:32:42 | 37.086   | -97.990   | 5.0        | 1.6            | 2.9                 | 1.6                  | 0.0              | 198 | 17.6 |
| 2016-02-05 01:06:04 | 37.350   | -97.980   | 5.0        | 1.1            | 2.4                 | 2.5                  | 0.0              | 156 | 12.2 |
| 2016-02-05 04:34:14 | 37.100   | -98.032   | 5.0        | 2.2            | 2.0                 | 1.4                  | 0.0              | 197 | 19.8 |
| 2016-02-05 12:01:05 | 37.270   | -98.063   | 5.0        | 1.6            | 2.0                 | 1.7                  | 0.0              | 139 | 14.6 |
| 2016-02-05 15:02:01 | 37.108   | -98.000   | 5.0        | 1.5            | 1.6                 | 1.8                  | 0.0              | 248 | 17.3 |

| origin time (UTC)   | latitude | longitude | depth (km) | magnitude (MC) | latitude error (km) | longitude error (km) | depth error (km) | gap | SAS  |
|---------------------|----------|-----------|------------|----------------|---------------------|----------------------|------------------|-----|------|
| 2016-02-05 15:04:05 | 37.080   | -98.005   | 5.0        | 1.3            | 4.8                 | 5.5                  | 0.0              | 256 | 16.7 |
| 2016-02-05 15:08:29 | 37.435   | -98.945   | 5.0        | 2.0            | 1.8                 | 3.5                  | 0.0              | 204 | 15.0 |
| 2016-02-05 17:39:04 | 37.476   | -98.105   | 5.0        | 1.4            | 2.9                 | 1.2                  | 0.0              | 152 | 9.0  |
| 2016-02-05 18:28:17 | 37.381   | -98.133   | 5.0        | 1.3            | 1.5                 | 1.9                  | 0.0              | 138 | 8.7  |
| 2016-02-05 18:54:28 | 37.056   | -97.995   | 5.0        | 1.8            | 2.5                 | 1.9                  | 0.0              | 203 | 18.2 |
| 2016-02-05 19:37:24 | 37.183   | -97.635   | 5.0        | 1.2            | 2.4                 | 3.0                  | 0.0              | 257 | 13.4 |
| 2016-02-05 22:15:08 | 37.241   | -97.894   | 5.0        | 1.5            | 2.6                 | 1.7                  | 0.0              | 163 | 13.3 |
| 2016-02-06 06:33:53 | 37.047   | -97.383   | 5.0        | 1.5            | 2.8                 | 1.5                  | 0.0              | 260 | 13.3 |
| 2016-02-06 10:37:25 | 37.370   | -98.733   | 5.0        | 1.4            | 1.2                 | 1.3                  | 0.0              | 176 | 5.0  |
| 2016-02-06 11:34:13 | 37.480   | -98.958   | 5.0        | 1.4            | 1.8                 | 2.4                  | 0.0              | 194 | 13.0 |
| 2016-02-06 18:58:51 | 37.039   | -97.942   | 5.0        | 2.0            | 2.4                 | 1.7                  | 0.0              | 192 | 16.0 |
| 2016-02-06 19:36:43 | 37.084   | -97.892   | 5.0        | 1.9            | 2.9                 | 1.9                  | 0.0              | 186 | 15.6 |
| 2016-02-06 20:48:26 | 37.067   | -97.730   | 5.0        | 1.9            | 1.8                 | 1.0                  | 0.0              | 190 | 15.6 |
| 2016-02-06 22:31:11 | 37.040   | -97.759   | 5.0        | 1.4            | 2.5                 | 2.4                  | 0.0              | 268 | 14.0 |
| 2016-02-07 05:50:10 | 37.277   | -97.956   | 5.0        | 0.6            | 1.7                 | 2.3                  | 0.0              | 199 | 11.4 |
| 2016-02-07 11:31:54 | 37.340   | -98.726   | 5.0        | 1.5            | 2.9                 | 2.8                  | 0.0              | 147 | 13.3 |
| 2016-02-07 21:15:15 | 37.455   | -98.046   | 5.0        | 1.5            | 3.2                 | 2.7                  | 0.0              | 146 | 11.3 |
| 2016-02-07 21:32:47 | 37.109   | -98.027   | 5.0        | 1.5            | 2.4                 | 1.3                  | 0.0              | 195 | 13.3 |
| 2016-02-08 04:07:31 | 37.374   | -97.757   | 5.0        | 1.6            | 1.8                 | 1.7                  | 0.0              | 122 | 13.6 |
| 2016-02-08 05:10:59 | 37.443   | -97.882   | 5.0        | 0.3            | 1.7                 | 2.6                  | 0.0              | 153 | 11.1 |
| 2016-02-09 01:24:26 | 37.169   | -97.818   | 5.0        | 1.6            | 3.0                 | 1.7                  | 0.0              | 183 | 15.6 |
| 2016-02-09 02:18:28 | 37.376   | -97.752   | 5.0        | 0.6            | 3.4                 | 3.4                  | 0.0              | 142 | 11.4 |
| 2016-02-09 03:38:03 | 37.091   | -97.987   | 5.0        | 1.6            | 2.8                 | 2.1                  | 0.0              | 227 | 13.6 |
| 2016-02-09 04:16:35 | 37.226   | -97.547   | 5.0        | 0.7            | 2.8                 | 2.3                  | 0.0              | 163 | 11.5 |
| 2016-02-09 08:50:16 | 37.209   | -97.850   | 5.0        | 1.3            | 1.5                 | 1.7                  | 0.0              | 177 | 15.7 |
| 2016-02-09 15:13:28 | 37.042   | -97.878   | 5.0        | 1.5            | 3.9                 | 2.3                  | 0.0              | 205 | 14.3 |
| 2016-02-09 18:56:30 | 37.231   | -98.165   | 5.0        | 1.2            | 2.7                 | 1.2                  | 0.0              | 180 | 7.4  |
| 2016-02-09 19:51:32 | 37.180   | -97.825   | 5.0        | 1.8            | 1.6                 | 1.1                  | 0.0              | 181 | 17.2 |
| 2016-02-09 22:31:27 | 37.017   | -97.740   | 5.0        | 1.5            | 2.9                 | 1.6                  | 0.0              | 209 | 13.3 |
| 2016-02-09 23:33:39 | 37.223   | -97.594   | 5.0        | 2.0            | 2.0                 | 1.7                  | 0.0              | 166 | 18.0 |
| 2016-02-09 23:50:49 | 37.221   | -97.597   | 5.0        | 2.3            | 2.1                 | 1.8                  | 0.0              | 161 | 17.3 |
| 2016-02-10 00:43:07 | 37.284   | -98.135   | 5.0        | 1.5            | 3.0                 | 2.3                  | 0.0              | 146 | 14.3 |
| 2016-02-10 02:17:19 | 37.215   | -97.596   | 5.0        | 1.6            | 2.7                 | 1.8                  | 0.0              | 168 | 17.6 |
| 2016-02-10 03:38:30 | 37.229   | -97.588   | 5.0        | 1.4            | 2.3                 | 2.1                  | 0.0              | 164 | 17.0 |
| 2016-02-10 03:48:21 | 37.081   | -97.947   | 5.0        | 2.1            | 2.6                 | 1.8                  | 0.0              | 186 | 19.4 |
| 2016-02-10 05:22:10 | 38.830   | -97.485   | 5.0        | 2.4            | 2.6                 | 2.8                  | 0.0              | 284 | 8.8  |
| 2016-02-10 06:32:25 | 37.089   | -98.006   | 5.0        | 1.4            | 2.6                 | 2.7                  | 0.0              | 255 | 13.0 |
| 2016-02-10 07:30:49 | 37.226   | -97.585   | 5.0        | 1.1            | 1.0                 | 1.0                  | 0.0              | 164 | 16.2 |
| 2016-02-10 07:49:57 | 37.176   | -97.797   | 5.0        | 1.3            | 2.6                 | 2.2                  | 0.0              | 188 | 15.7 |
| 2016-02-10 08:37:41 | 37.219   | -97.590   | 5.0        | 1.3            | 1.5                 | 1.2                  | 0.0              | 167 | 16.7 |
| 2016-02-10 11:03:17 | 37.050   | -97.894   | 5.0        | 2.1            | 2.7                 | 1.6                  | 0.0              | 191 | 19.4 |
| 2016-02-10 11:28:00 | 37.058   | -97.895   | 5.0        | 1.2            | 2.7                 | 1.9                  | 0.0              | 202 | 15.4 |
| 2016-02-10 12:18:18 | 37.225   | -97.595   | 5.0        | 1.3            | 2.0                 | 1.7                  | 0.0              | 160 | 16.7 |
| 2016-02-10 14:06:02 | 37.086   | -97.548   | 5.0        | 1.3            | 2.0                 | 1.5                  | 0.0              | 198 | 12.7 |
| 2016-02-10 19:17:25 | 37.219   | -97.586   | 5.0        | 1.3            | 1.9                 | 1.7                  | 0.0              | 167 | 16.7 |
| 2016-02-10 19:19:29 | 37.224   | -97.594   | 5.0        | 1.7            | 1.9                 | 1.8                  | 0.0              | 165 | 17.9 |
| 2016-02-10 20:50:56 | 37.061   | -97.891   | 5.0        | 2.0            | 3.2                 | 2.1                  | 0.0              | 202 | 19.0 |
| 2016-02-10 20:57:39 | 37.045   | -97.902   | 5.0        | 2.2            | 1.8                 | 1.3                  | 0.0              | 192 | 19.8 |
| 2016-02-10 21:56:45 | 37.052   | -97.878   | 5.0        | 1.4            | 2.9                 | 2.0                  | 0.0              | 203 | 15.0 |



| origin time (UTC)   | latitude | longitude | depth (km) | magnitude (MC) | latitude error (km) | longitude error (km) | depth error (km) | gap | SAS  |
|---------------------|----------|-----------|------------|----------------|---------------------|----------------------|------------------|-----|------|
| 2016-02-10 22:04:32 | 37.061   | -97.892   | 5.0        | 2.0            | 2.4                 | 1.6                  | 0.0              | 202 | 19.0 |
| 2016-02-11 00:35:16 | 37.031   | -97.776   | 5.0        | 2.0            | 1.4                 | 0.9                  | 0.0              | 207 | 15.0 |
| 2016-02-11 04:01:02 | 37.141   | -97.878   | 5.0        | 1.2            | 4.9                 | 3.3                  | 0.0              | 257 | 15.4 |
| 2016-02-11 04:46:03 | 37.222   | -97.609   | 5.0        | 1.1            | 2.1                 | 2.0                  | 0.0              | 167 | 16.2 |
| 2016-02-11 06:38:00 | 37.047   | -97.898   | 5.0        | 2.0            | 2.1                 | 1.4                  | 0.0              | 204 | 19.0 |
| 2016-02-11 07:55:16 | 37.155   | -98.843   | 5.0        | 1.8            | 2.7                 | 2.1                  | 0.0              | 236 | 8.2  |
| 2016-02-11 08:34:29 | 37.225   | -97.955   | 5.0        | 1.0            | 1.8                 | 1.7                  | 0.0              | 235 | 12.0 |
| 2016-02-11 10:00:09 | 37.049   | -97.889   | 5.0        | 2.3            | 2.7                 | 1.7                  | 0.0              | 191 | 20.3 |
| 2016-02-11 15:21:32 | 37.081   | -97.932   | 5.0        | 2.0            | 2.8                 | 2.2                  | 0.0              | 199 | 19.0 |
| 2016-02-11 16:27:22 | 37.102   | -97.676   | 5.0        | 1.9            | 3.0                 | 2.1                  | 0.0              | 194 | 14.6 |
| 2016-02-11 19:25:04 | 37.099   | -97.995   | 5.0        | 1.7            | 3.3                 | 3.3                  | 0.0              | 249 | 16.9 |
| 2016-02-11 20:09:37 | 37.067   | -97.903   | 5.0        | 1.5            | 3.8                 | 2.8                  | 0.0              | 263 | 17.3 |
| 2016-02-12 01:52:45 | 37.050   | -97.904   | 5.0        | 1.7            | 2.8                 | 1.6                  | 0.0              | 203 | 17.9 |
| 2016-02-12 06:05:13 | 37.067   | -97.877   | 5.0        | 1.6            | 2.1                 | 1.2                  | 0.0              | 201 | 17.6 |
| 2016-02-12 07:49:42 | 37.128   | -98.037   | 5.0        | 2.0            | 2.7                 | 1.9                  | 0.0              | 192 | 16.0 |
| 2016-02-12 10:22:07 | 37.600   | -97.714   | 5.0        | 1.5            | 2.5                 | 2.2                  | 0.0              | 204 | 13.3 |
| 2016-02-12 15:12:14 | 37.204   | -97.608   | 5.0        | 1.6            | 1.6                 | 1.6                  | 0.0              | 229 | 15.6 |
| 2016-02-12 15:14:07 | 37.258   | -97.914   | 5.0        | 1.2            | 1.4                 | 1.6                  | 0.0              | 221 | 12.4 |
| 2016-02-12 23:27:27 | 37.048   | -97.901   | 5.0        | 2.0            | 1.9                 | 1.3                  | 0.0              | 204 | 19.0 |
| 2016-02-13 00:32:33 | 37.036   | -97.898   | 5.0        | 2.0            | 2.2                 | 1.6                  | 0.0              | 193 | 19.0 |
| 2016-02-13 00:41:03 | 37.297   | -97.664   | 5.0        | 1.3            | 2.1                 | 1.9                  | 0.0              | 145 | 6.7  |
| 2016-02-13 13:46:25 | 37.219   | -97.596   | 5.0        | 2.0            | 2.2                 | 1.8                  | 0.0              | 162 | 17.0 |
| 2016-02-13 13:49:37 | 37.239   | -97.566   | 5.0        | 1.7            | 2.3                 | 2.0                  | 0.0              | 160 | 15.9 |
| 2016-02-13 14:16:09 | 37.229   | -98.125   | 5.0        | 1.3            | 1.9                 | 1.4                  | 0.0              | 180 | 14.7 |
| 2016-02-13 15:11:59 | 37.048   | -97.901   | 5.0        | 1.6            | 2.6                 | 1.9                  | 0.0              | 204 | 16.6 |
| 2016-02-13 17:50:26 | 37.133   | -98.173   | 5.0        | 1.6            | 2.8                 | 1.9                  | 0.0              | 193 | 11.6 |
| 2016-02-13 20:17:22 | 37.148   | -98.181   | 5.0        | 1.4            | 1.5                 | 1.1                  | 0.0              | 228 | 15.0 |
| 2016-02-14 00:25:29 | 37.045   | -97.890   | 5.0        | 2.3            | 2.6                 | 1.6                  | 0.0              | 192 | 18.3 |
| 2016-02-14 05:49:40 | 37.556   | -97.748   | 5.0        | 1.9            | 1.7                 | 1.3                  | 0.0              | 163 | 14.6 |
| 2016-02-14 09:33:15 | 37.168   | -98.155   | 5.0        | 1.7            | 2.7                 | 1.7                  | 0.0              | 187 | 17.9 |
| 2016-02-14 09:52:20 | 37.366   | -98.110   | 5.0        | 1.2            | 0.8                 | 2.7                  | 0.0              | 217 | 14.4 |
| 2016-02-14 10:05:13 | 37.226   | -98.084   | 5.0        | 1.7            | 3.0                 | 1.6                  | 0.0              | 177 | 15.9 |
| 2016-02-14 12:11:03 | 37.370   | -98.115   | 5.0        | 1.4            | 1.8                 | 2.0                  | 0.0              | 122 | 12.0 |
| 2016-02-14 13:59:28 | 37.366   | -98.098   | 5.0        | 0.7            | 0.6                 | 2.0                  | 0.0              | 212 | 12.5 |
| 2016-02-14 14:39:25 | 37.073   | -97.884   | 5.0        | 1.5            | 1.7                 | 1.2                  | 0.0              | 233 | 14.3 |
| 2016-02-14 18:51:39 | 37.186   | -97.640   | 5.0        | 0.6            | 1.9                 | 2.1                  | 0.0              | 236 | 11.4 |
| 2016-02-15 05:09:57 | 37.241   | -98.000   | 5.0        | 0.7            | 3.5                 | 2.3                  | 0.0              | 174 | 11.5 |
| 2016-02-15 06:27:55 | 37.361   | -97.572   | 5.0        | 1.5            | 1.9                 | 2.1                  | 0.0              | 151 | 7.3  |
| 2016-02-15 16:06:16 | 37.085   | -97.710   | 5.0        | 2.1            | 2.7                 | 1.8                  | 0.0              | 197 | 15.4 |
| 2016-02-15 20:16:35 | 37.193   | -97.866   | 5.0        | 1.1            | 1.5                 | 1.0                  | 0.0              | 186 | 14.2 |
| 2016-02-15 22:48:39 | 37.045   | -97.909   | 5.0        | 2.0            | 3.2                 | 2.0                  | 0.0              | 204 | 17.0 |
| 2016-02-16 01:15:54 | 37.068   | -97.880   | 5.0        | 1.5            | 2.6                 | 1.5                  | 0.0              | 200 | 15.3 |
| 2016-02-16 01:37:59 | 37.010   | -98.316   | 5.0        | 1.6            | 2.6                 | 1.5                  | 0.0              | 216 | 5.6  |
| 2016-02-16 03:38:44 | 37.355   | -97.570   | 5.0        | 0.7            | 4.2                 | 5.4                  | 0.0              | 210 | 7.5  |
| 2016-02-16 05:17:16 | 37.197   | -97.876   | 5.0        | 1.1            | 2.6                 | 2.0                  | 0.0              | 184 | 14.2 |
| 2016-02-16 06:27:54 | 37.198   | -97.862   | 5.0        | 1.5            | 1.8                 | 1.3                  | 0.0              | 179 | 15.3 |
| 2016-02-16 15:39:31 | 37.386   | -97.748   | 5.0        | 1.5            | 0.6                 | 0.8                  | 0.0              | 119 | 13.3 |
| 2016-02-16 15:50:43 | 37.041   | -97.992   | 5.0        | 1.2            | 5.2                 | 2.7                  | 0.0              | 205 | 12.4 |
| 2016-02-16 16:34:20 | 37.058   | -97.910   | 5.0        | 2.1            | 3.1                 | 2.0                  | 0.0              | 202 | 16.4 |

| origin time (UTC)   | latitude | longitude | depth (km) | magnitude (MC) | latitude error (km) | longitude error (km) | depth error (km) | gap | SAS  |
|---------------------|----------|-----------|------------|----------------|---------------------|----------------------|------------------|-----|------|
| 2016-02-16 16:42:05 | 37.217   | -97.594   | 5.0        | 1.1            | 1.0                 | 0.8                  | 0.0              | 167 | 12.2 |
| 2016-02-16 18:02:54 | 37.057   | -97.867   | 5.0        | 1.1            | 4.3                 | 2.4                  | 0.0              | 202 | 15.2 |
| 2016-02-16 18:15:19 | 37.223   | -97.596   | 5.0        | 2.3            | 2.0                 | 1.7                  | 0.0              | 161 | 17.3 |
| 2016-02-16 18:48:25 | 37.115   | -98.179   | 5.0        | 2.0            | 2.9                 | 1.8                  | 0.0              | 196 | 15.0 |
| 2016-02-16 19:21:05 | 37.165   | -97.635   | 5.0        | 1.8            | 1.9                 | 1.5                  | 0.0              | 181 | 15.2 |
| 2016-02-17 05:57:19 | 37.041   | -97.877   | 5.0        | 1.4            | 2.8                 | 2.3                  | 0.0              | 240 | 15.0 |
| 2016-02-17 12:50:50 | 37.088   | -97.867   | 5.0        | 1.2            | 3.9                 | 2.6                  | 0.0              | 224 | 14.4 |
| 2016-02-17 14:14:54 | 37.046   | -97.180   | 5.0        | 2.0            | 2.5                 | 2.2                  | 0.0              | 263 | 7.0  |
| 2016-02-17 18:33:32 | 37.023   | -97.885   | 5.0        | 2.0            | 2.9                 | 1.9                  | 0.0              | 208 | 15.0 |
| 2016-02-17 19:41:06 | 37.124   | -98.023   | 5.0        | 1.7            | 2.2                 | 1.6                  | 0.0              | 193 | 13.9 |
| 2016-02-18 01:42:26 | 37.013   | -97.722   | 5.0        | 1.8            | 3.7                 | 2.5                  | 0.0              | 210 | 14.2 |
| 2016-02-18 02:23:55 | 37.265   | -97.650   | 5.0        | 1.3            | 2.0                 | 2.6                  | 0.0              | 222 | 12.7 |
| 2016-02-18 08:09:05 | 37.127   | -97.606   | 5.0        | 1.8            | 2.7                 | 2.2                  | 0.0              | 189 | 14.2 |
| 2016-02-18 17:11:29 | 37.447   | -97.385   | 5.0        | 1.7            | 5.2                 | 6.3                  | 0.0              | 186 | 5.9  |
| 2016-02-19 02:00:53 | 37.216   | -97.640   | 5.0        | 0.6            | 1.8                 | 2.0                  | 0.0              | 230 | 11.4 |
| 2016-02-19 06:04:08 | 37.260   | -97.507   | 5.0        | 1.4            | 5.5                 | 5.5                  | 0.0              | 156 | 15.0 |
| 2016-02-19 08:41:14 | 37.272   | -98.006   | 5.0        | 2.0            | 2.5                 | 1.9                  | 0.0              | 169 | 16.0 |
| 2016-02-19 09:23:39 | 37.256   | -98.009   | 5.0        | 1.7            | 1.8                 | 1.5                  | 0.0              | 171 | 14.9 |
| 2016-02-19 13:17:56 | 37.311   | -97.496   | 5.0        | 1.1            | 4.3                 | 5.1                  | 0.0              | 192 | 12.2 |
| 2016-02-19 13:43:15 | 38.886   | -97.386   | 5.0        | 1.9            | 7.0                 | 7.4                  | 0.0              | 288 | 6.6  |
| 2016-02-19 16:00:40 | 37.314   | -97.846   | 5.0        | 1.5            | 2.2                 | 2.0                  | 0.0              | 159 | 13.3 |
| 2016-02-19 17:30:27 | 37.259   | -97.549   | 5.0        | 1.1            | 2.1                 | 2.6                  | 0.0              | 227 | 14.2 |
| 2016-02-19 22:49:52 | 37.104   | -98.049   | 5.0        | 1.5            | 3.1                 | 2.0                  | 0.0              | 196 | 14.3 |
| 2016-02-20 04:14:50 | 37.045   | -97.900   | 5.0        | 2.1            | 2.2                 | 1.5                  | 0.0              | 192 | 17.4 |
| 2016-02-20 09:29:20 | 37.058   | -97.865   | 5.0        | 1.6            | 2.0                 | 1.4                  | 0.0              | 202 | 16.6 |
| 2016-02-20 13:37:25 | 37.048   | -97.924   | 5.0        | 1.4            | 1.7                 | 1.4                  | 0.0              | 204 | 15.0 |
| 2016-02-20 16:27:03 | 37.288   | -97.954   | 5.0        | 1.7            | 1.2                 | 1.9                  | 0.0              | 257 | 14.9 |
| 2016-02-20 20:18:34 | 37.202   | -97.617   | 5.0        | 1.3            | 2.0                 | 2.5                  | 0.0              | 251 | 15.7 |
| 2016-02-20 20:21:22 | 37.174   | -97.643   | 5.0        | 1.5            | 3.4                 | 4.4                  | 0.0              | 259 | 15.3 |
| 2016-02-20 20:34:43 | 37.025   | -98.016   | 5.0        | 2.1            | 2.9                 | 1.9                  | 0.0              | 194 | 18.4 |
| 2016-02-20 21:58:14 | 37.070   | -97.899   | 5.0        | 1.6            | 2.7                 | 1.7                  | 0.0              | 228 | 16.6 |
| 2016-02-20 22:23:45 | 37.047   | -98.091   | 5.0        | 1.6            | 4.2                 | 3.3                  | 0.0              | 237 | 16.6 |
| 2016-02-20 23:57:51 | 37.101   | -98.038   | 5.0        | 1.6            | 2.0                 | 1.4                  | 0.0              | 196 | 16.6 |
| 2016-02-21 03:57:57 | 37.278   | -97.550   | 5.0        | 0.9            | 1.9                 | 2.3                  | 0.0              | 223 | 14.8 |
| 2016-02-21 04:30:20 | 37.077   | -98.007   | 5.0        | 2.2            | 3.1                 | 2.0                  | 0.0              | 187 | 18.8 |
| 2016-02-21 04:53:40 | 37.310   | -97.519   | 5.0        | 1.3            | 1.8                 | 2.1                  | 0.0              | 209 | 15.7 |
| 2016-02-21 07:33:03 | 37.246   | -97.988   | 5.0        | 1.2            | 2.2                 | 1.6                  | 0.0              | 152 | 13.4 |
| 2016-02-21 11:08:28 | 37.041   | -97.624   | 5.0        | 1.9            | 1.9                 | 1.2                  | 0.0              | 197 | 14.6 |
| 2016-02-21 13:47:41 | 37.148   | -98.350   | 5.0        | 1.8            | 2.1                 | 1.2                  | 0.0              | 176 | 6.2  |
| 2016-02-21 14:31:19 | 37.562   | -97.736   | 5.0        | 1.8            | 1.8                 | 1.7                  | 0.0              | 176 | 14.2 |
| 2016-02-21 17:24:56 | 37.199   | -97.710   | 5.0        | 1.0            | 3.0                 | 2.3                  | 0.0              | 177 | 14.0 |
| 2016-02-21 17:27:15 | 37.279   | -97.604   | 5.0        | 1.1            | 1.3                 | 1.6                  | 0.0              | 235 | 15.2 |
| 2016-02-21 21:12:20 | 37.116   | -98.013   | 5.0        | 2.0            | 2.5                 | 1.9                  | 0.0              | 194 | 17.0 |
| 2016-02-21 23:52:20 | 37.119   | -97.673   | 5.0        | 3.0            | 2.6                 | 1.7                  | 0.0              | 182 | 20.0 |
| 2016-02-22 00:08:24 | 37.398   | -97.962   | 5.0        | 1.2            | 2.3                 | 4.3                  | 0.0              | 157 | 13.4 |
| 2016-02-22 00:25:29 | 37.075   | -97.873   | 5.0        | 1.2            | 1.9                 | 1.3                  | 0.0              | 230 | 13.4 |
| 2016-02-22 00:26:04 | 37.360   | -97.397   | 5.0        | 1.5            | 1.7                 | 1.6                  | 0.0              | 192 | 5.3  |
| 2016-02-22 02:11:54 | 37.075   | -97.910   | 5.0        | 2.0            | 2.7                 | 1.8                  | 0.0              | 199 | 18.0 |
| 2016-02-22 02:41:17 | 37.300   | -97.481   | 5.0        | 1.4            | 2.2                 | 2.2                  | 0.0              | 157 | 15.0 |

| origin time (UTC)   | latitude | longitude | depth (km) | magnitude (MC) | latitude error (km) | longitude error (km) | depth error (km) | gap | SAS  |
|---------------------|----------|-----------|------------|----------------|---------------------|----------------------|------------------|-----|------|
| 2016-02-22 04:04:49 | 37.455   | -97.929   | 5.0        | 1.6            | 1.7                 | 1.7                  | 0.0              | 88  | 10.6 |
| 2016-02-22 11:39:27 | 37.207   | -97.944   | 5.0        | 1.6            | 2.4                 | 1.9                  | 0.0              | 178 | 17.6 |
| 2016-02-22 13:36:26 | 37.269   | -98.007   | 5.0        | 1.2            | 2.8                 | 4.5                  | 0.0              | 182 | 16.4 |
| 2016-02-22 13:43:10 | 37.266   | -97.995   | 5.0        | 1.3            | 1.4                 | 1.6                  | 0.0              | 133 | 16.7 |
| 2016-02-22 13:44:08 | 37.040   | -97.923   | 5.0        | 1.9            | 3.9                 | 2.6                  | 0.0              | 205 | 17.6 |
| 2016-02-22 13:48:42 | 37.078   | -97.845   | 5.0        | 1.3            | 3.0                 | 3.4                  | 0.0              | 268 | 15.7 |
| 2016-02-22 14:42:41 | 37.247   | -98.049   | 5.0        | 1.6            | 5.6                 | 5.2                  | 0.0              | 164 | 17.6 |
| 2016-02-22 14:46:13 | 37.253   | -97.671   | 5.0        | 2.1            | 2.3                 | 1.7                  | 0.0              | 159 | 15.4 |
| 2016-02-22 18:01:53 | 37.258   | -97.937   | 5.0        | 2.0            | 5.4                 | 4.0                  | 0.0              | 170 | 19.0 |
| 2016-02-22 22:31:00 | 37.051   | -97.919   | 5.0        | 2.2            | 3.3                 | 2.0                  | 0.0              | 191 | 17.8 |
| 2016-02-22 22:34:32 | 37.217   | -97.891   | 5.0        | 1.9            | 2.1                 | 1.4                  | 0.0              | 175 | 18.6 |
| 2016-02-22 23:20:09 | 37.043   | -98.854   | 5.0        | 1.8            | 2.5                 | 1.6                  | 0.0              | 194 | 7.2  |
| 2016-02-23 00:34:43 | 37.245   | -97.891   | 5.0        | 2.0            | 2.2                 | 1.5                  | 0.0              | 161 | 18.0 |
| 2016-02-23 02:16:33 | 37.001   | -98.167   | 5.0        | 1.5            | 2.7                 | 2.4                  | 0.0              | 213 | 7.3  |
| 2016-02-23 02:21:56 | 37.051   | -97.756   | 5.0        | 1.4            | 4.4                 | 2.8                  | 0.0              | 298 | 15.0 |
| 2016-02-23 04:43:08 | 37.010   | -97.720   | 5.0        | 1.6            | 3.1                 | 2.1                  | 0.0              | 233 | 14.6 |
| 2016-02-23 06:05:31 | 37.185   | -97.962   | 5.0        | 1.3            | 2.3                 | 1.2                  | 0.0              | 182 | 16.7 |
| 2016-02-23 09:17:16 | 37.009   | -98.831   | 5.0        | 1.6            | 2.3                 | 1.7                  | 0.0              | 224 | 8.6  |
| 2016-02-23 09:42:40 | 37.282   | -97.966   | 5.0        | 1.5            | 1.9                 | 1.6                  | 0.0              | 167 | 17.3 |
| 2016-02-23 09:55:49 | 37.203   | -97.999   | 5.0        | 1.5            | 2.0                 | 1.4                  | 0.0              | 197 | 17.3 |
| 2016-02-23 11:36:08 | 37.152   | -97.687   | 5.0        | 1.7            | 2.2                 | 1.5                  | 0.0              | 185 | 14.9 |
| 2016-02-23 12:35:50 | 37.040   | -97.937   | 5.0        | 1.7            | 3.8                 | 2.3                  | 0.0              | 205 | 17.9 |
| 2016-02-23 15:15:56 | 37.223   | -97.987   | 5.0        | 1.6            | 1.9                 | 1.3                  | 0.0              | 176 | 17.6 |
| 2016-02-23 21:23:13 | 38.852   | -97.434   | 5.0        | 2.1            | 4.0                 | 4.4                  | 0.0              | 286 | 11.4 |
| 2016-02-23 22:21:02 | 37.141   | -97.678   | 5.0        | 1.6            | 1.2                 | 0.8                  | 0.0              | 194 | 14.6 |
| 2016-02-24 02:05:17 | 37.243   | -97.561   | 5.0        | 1.2            | 1.8                 | 1.5                  | 0.0              | 158 | 13.4 |
| 2016-02-24 08:42:46 | 37.086   | -97.876   | 5.0        | 1.7            | 1.8                 | 1.3                  | 0.0              | 186 | 17.9 |
| 2016-02-24 10:38:54 | 37.210   | -97.796   | 5.0        | 1.7            | 2.3                 | 1.9                  | 0.0              | 167 | 16.9 |
| 2016-02-24 10:50:33 | 37.205   | -97.774   | 5.0        | 1.3            | 1.7                 | 1.5                  | 0.0              | 177 | 14.7 |
| 2016-02-24 11:10:26 | 37.095   | -97.984   | 5.0        | 2.0            | 2.2                 | 1.7                  | 0.0              | 184 | 19.0 |
| 2016-02-24 12:21:55 | 37.098   | -97.977   | 5.0        | 2.0            | 2.8                 | 1.9                  | 0.0              | 196 | 19.0 |
| 2016-02-24 13:17:29 | 37.166   | -97.889   | 5.0        | 1.4            | 3.5                 | 2.2                  | 0.0              | 184 | 16.0 |
| 2016-02-24 13:41:31 | 37.210   | -98.028   | 5.0        | 1.6            | 4.4                 | 2.4                  | 0.0              | 179 | 15.6 |
| 2016-02-24 16:06:17 | 37.226   | -97.801   | 5.0        | 1.4            | 2.6                 | 2.0                  | 0.0              | 170 | 15.0 |
| 2016-02-24 17:15:50 | 37.011   | -98.131   | 5.0        | 1.7            | 3.2                 | 2.4                  | 0.0              | 211 | 9.9  |
| 2016-02-24 21:35:30 | 37.160   | -97.988   | 5.0        | 1.4            | 3.2                 | 2.3                  | 0.0              | 225 | 15.0 |
| 2016-02-25 00:52:05 | 37.311   | -97.543   | 5.0        | 1.7            | 3.1                 | 3.7                  | 0.0              | 198 | 14.9 |
| 2016-02-25 01:48:35 | 37.422   | -97.678   | 5.0        | 1.3            | 2.0                 | 2.6                  | 0.0              | 125 | 12.7 |
| 2016-02-25 02:39:43 | 37.062   | -97.927   | 5.0        | 2.5            | 2.4                 | 1.7                  | 0.0              | 189 | 18.3 |
| 2016-02-25 10:46:41 | 37.439   | -97.857   | 5.0        | 0.8            | 1.6                 | 2.5                  | 0.0              | 162 | 7.6  |
| 2016-02-25 21:13:46 | 37.174   | -97.677   | 5.0        | 1.1            | 2.2                 | 2.9                  | 0.0              | 264 | 12.2 |
| 2016-02-26 00:27:20 | 37.068   | -97.181   | 5.0        | 1.6            | 2.7                 | 1.4                  | 0.0              | 302 | 7.6  |
| 2016-02-26 04:03:38 | 37.109   | -98.003   | 5.0        | 1.4            | 3.2                 | 2.0                  | 0.0              | 195 | 14.0 |
| 2016-02-26 04:33:52 | 37.130   | -97.953   | 5.0        | 1.4            | 3.1                 | 1.9                  | 0.0              | 220 | 15.0 |
| 2016-02-26 08:13:42 | 37.139   | -97.682   | 5.0        | 2.0            | 2.1                 | 1.6                  | 0.0              | 195 | 15.0 |
| 2016-02-26 10:40:33 | 37.069   | -97.895   | 5.0        | 1.4            | 4.1                 | 2.9                  | 0.0              | 200 | 14.0 |
| 2016-02-26 20:36:12 | 37.225   | -98.036   | 5.0        | 1.3            | 2.5                 | 2.8                  | 0.0              | 230 | 12.7 |
| 2016-02-27 02:41:11 | 37.364   | -98.587   | 5.0        | 1.3            | 2.5                 | 1.7                  | 0.0              | 264 | 4.7  |
| 2016-02-27 04:46:42 | 37.129   | -97.689   | 5.0        | 1.7            | 2.4                 | 1.7                  | 0.0              | 189 | 14.9 |

| origin time (UTC)   | latitude | longitude | depth (km) | magnitude (MC) | latitude error (km) | longitude error (km) | depth error (km) | gap | SAS  |
|---------------------|----------|-----------|------------|----------------|---------------------|----------------------|------------------|-----|------|
| 2016-02-27 05:23:59 | 37.452   | -98.735   | 5.0        | 1.2            | 1.5                 | 1.8                  | 0.0              | 144 | 6.4  |
| 2016-02-27 05:30:40 | 37.242   | -97.569   | 5.0        | 2.0            | 1.6                 | 1.4                  | 0.0              | 156 | 15.0 |
| 2016-02-27 09:35:49 | 37.025   | -97.596   | 5.0        | 2.0            | 3.7                 | 2.3                  | 0.0              | 201 | 15.0 |
| 2016-02-27 11:17:31 | 37.443   | -97.386   | 5.0        | 1.8            | 1.9                 | 2.1                  | 0.0              | 185 | 11.2 |
| 2016-02-27 11:42:17 | 37.558   | -97.752   | 5.0        | 1.3            | 1.2                 | 1.2                  | 0.0              | 164 | 13.7 |
| 2016-02-27 11:50:30 | 37.409   | -97.419   | 5.0        | 1.6            | 2.7                 | 2.8                  | 0.0              | 201 | 12.6 |
| 2016-02-27 12:24:32 | 37.169   | -98.245   | 5.0        | 1.5            | 1.9                 | 1.7                  | 0.0              | 241 | 13.3 |
| 2016-02-27 16:34:25 | 37.049   | -97.896   | 5.0        | 1.9            | 2.1                 | 1.5                  | 0.0              | 203 | 14.6 |
| 2016-02-27 16:39:00 | 37.239   | -97.602   | 5.0        | 1.4            | 0.8                 | 0.7                  | 0.0              | 161 | 14.0 |
| 2016-02-27 17:21:19 | 37.552   | -97.743   | 5.0        | 1.2            | 0.9                 | 1.0                  | 0.0              | 162 | 13.4 |
| 2016-02-27 18:01:31 | 37.285   | -97.797   | 5.0        | 1.2            | 3.4                 | 2.7                  | 0.0              | 163 | 12.4 |
| 2016-02-27 20:01:36 | 37.430   | -97.858   | 5.0        | 1.1            | 0.8                 | 1.2                  | 0.0              | 165 | 12.2 |
| 2016-02-27 20:43:44 | 37.340   | -98.103   | 5.0        | 1.7            | 1.1                 | 2.1                  | 0.0              | 275 | 13.9 |
| 2016-02-28 01:39:39 | 37.476   | -97.806   | 5.0        | 1.0            | 1.2                 | 1.6                  | 0.0              | 159 | 11.0 |
| 2016-02-28 09:11:28 | 37.437   | -97.858   | 5.0        | 1.6            | 1.7                 | 1.6                  | 0.0              | 162 | 14.6 |
| 2016-02-28 10:45:38 | 37.427   | -98.929   | 5.0        | 1.4            | 1.9                 | 3.2                  | 0.0              | 218 | 9.0  |
| 2016-02-28 11:29:05 | 37.256   | -97.647   | 5.0        | 1.0            | 2.8                 | 2.0                  | 0.0              | 197 | 13.0 |
| 2016-02-28 11:52:33 | 37.444   | -98.682   | 5.0        | 1.4            | 1.8                 | 1.8                  | 0.0              | 124 | 11.0 |
| 2016-02-28 12:25:48 | 37.440   | -98.690   | 5.0        | 1.2            | 2.1                 | 2.4                  | 0.0              | 147 | 12.4 |
| 2016-02-28 12:46:15 | 37.056   | -97.735   | 5.0        | 2.1            | 2.5                 | 1.6                  | 0.0              | 192 | 16.4 |
| 2016-02-28 13:52:04 | 37.443   | -98.671   | 5.0        | 1.5            | 1.7                 | 1.9                  | 0.0              | 120 | 13.3 |
| 2016-02-28 13:54:54 | 37.253   | -98.111   | 5.0        | 1.5            | 1.8                 | 1.5                  | 0.0              | 255 | 13.3 |
| 2016-02-29 03:54:25 | 37.087   | -97.904   | 5.0        | 1.2            | 3.3                 | 2.3                  | 0.0              | 232 | 15.4 |
| 2016-02-29 04:06:48 | 37.080   | -98.853   | 5.0        | 1.0            | 2.0                 | 2.2                  | 0.0              | 262 | 12.0 |
| 2016-02-29 04:37:17 | 37.081   | -98.828   | 5.0        | 1.8            | 2.8                 | 1.8                  | 0.0              | 197 | 16.2 |
| 2016-02-29 04:39:38 | 37.084   | -98.852   | 5.0        | 1.5            | 2.0                 | 1.1                  | 0.0              | 196 | 16.3 |
| 2016-02-29 05:59:39 | 37.118   | -97.670   | 5.0        | 2.0            | 3.3                 | 2.1                  | 0.0              | 182 | 16.0 |
| 2016-02-29 06:32:52 | 37.061   | -98.819   | 5.0        | 1.5            | 2.2                 | 1.5                  | 0.0              | 202 | 16.3 |
| 2016-02-29 08:01:05 | 37.097   | -97.840   | 5.0        | 1.3            | 2.8                 | 1.6                  | 0.0              | 195 | 13.7 |
| 2016-02-29 08:35:51 | 37.270   | -97.572   | 5.0        | 1.9            | 1.6                 | 1.5                  | 0.0              | 151 | 14.6 |
| 2016-02-29 08:42:23 | 37.102   | -97.972   | 5.0        | 1.5            | 2.9                 | 2.1                  | 0.0              | 196 | 16.3 |
| 2016-02-29 09:42:25 | 37.126   | -97.648   | 5.0        | 1.4            | 2.8                 | 1.9                  | 0.0              | 198 | 13.0 |
| 2016-02-29 11:12:43 | 37.116   | -98.003   | 5.0        | 2.0            | 2.3                 | 1.6                  | 0.0              | 181 | 16.0 |
| 2016-02-29 12:07:04 | 37.114   | -97.993   | 5.0        | 1.3            | 2.1                 | 1.8                  | 0.0              | 245 | 14.7 |
| 2016-02-29 19:16:08 | 37.099   | -97.510   | 5.0        | 2.1            | 2.7                 | 1.8                  | 0.0              | 196 | 15.4 |
| 2016-02-29 23:02:59 | 37.354   | -97.777   | 5.0        | 1.4            | 1.4                 | 1.5                  | 0.0              | 143 | 13.0 |
| 2016-02-29 23:23:11 | 37.230   | -97.594   | 5.0        | 2.2            | 1.4                 | 1.1                  | 0.0              | 160 | 16.8 |
| 2016-03-01 00:00:41 | 37.214   | -97.600   | 5.0        | 1.7            | 1.9                 | 1.4                  | 0.0              | 169 | 17.9 |
| 2016-03-01 01:19:28 | 37.059   | -97.911   | 5.0        | 1.7            | 2.2                 | 1.3                  | 0.0              | 202 | 13.9 |
| 2016-03-01 02:53:35 | 37.280   | -97.638   | 5.0        | 2.0            | 1.7                 | 1.7                  | 0.0              | 150 | 19.0 |
| 2016-03-01 03:47:42 | 37.269   | -97.620   | 5.0        | 1.8            | 1.8                 | 1.7                  | 0.0              | 153 | 18.2 |
| 2016-03-01 04:04:02 | 37.081   | -97.188   | 5.0        | 1.9            | 2.6                 | 1.8                  | 0.0              | 255 | 11.6 |
| 2016-03-01 05:01:47 | 37.197   | -97.597   | 5.0        | 1.8            | 2.8                 | 2.2                  | 0.0              | 174 | 18.2 |
| 2016-03-01 05:21:13 | 37.146   | -97.836   | 5.0        | 2.0            | 2.7                 | 1.7                  | 0.0              | 177 | 14.0 |
| 2016-03-01 05:49:54 | 37.146   | -97.654   | 5.0        | 1.6            | 1.4                 | 1.0                  | 0.0              | 192 | 16.6 |
| 2016-03-01 06:51:24 | 37.148   | -97.851   | 5.0        | 1.2            | 2.5                 | 2.0                  | 0.0              | 275 | 12.4 |
| 2016-03-01 07:31:45 | 37.155   | -98.158   | 5.0        | 1.0            | 3.5                 | 2.1                  | 0.0              | 236 | 13.0 |
| 2016-03-01 08:13:16 | 37.068   | -97.527   | 5.0        | 1.8            | 2.0                 | 1.2                  | 0.0              | 212 | 17.2 |
| 2016-03-01 08:34:03 | 37.285   | -97.597   | 5.0        | 1.3            | 1.4                 | 1.4                  | 0.0              | 147 | 16.7 |

| origin time (UTC)   | latitude | longitude | depth (km) | magnitude (MC) | latitude error (km) | longitude error (km) | depth error (km) | gap | SAS  |
|---------------------|----------|-----------|------------|----------------|---------------------|----------------------|------------------|-----|------|
| 2016-03-01 09:48:30 | 37.271   | -97.635   | 5.0        | 1.4            | 1.8                 | 2.2                  | 0.0              | 218 | 17.0 |
| 2016-03-01 11:15:05 | 37.032   | -97.557   | 5.0        | 1.4            | 2.5                 | 2.1                  | 0.0              | 262 | 15.0 |
| 2016-03-01 11:59:36 | 37.057   | -97.528   | 5.0        | 2.1            | 2.1                 | 1.5                  | 0.0              | 197 | 16.4 |
| 2016-03-01 12:15:26 | 37.229   | -97.582   | 5.0        | 2.2            | 2.1                 | 1.9                  | 0.0              | 159 | 19.8 |
| 2016-03-01 12:53:49 | 37.223   | -97.585   | 5.0        | 1.8            | 1.6                 | 1.2                  | 0.0              | 168 | 18.2 |
| 2016-03-01 18:04:36 | 37.214   | -97.603   | 5.0        | 2.1            | 1.8                 | 1.6                  | 0.0              | 170 | 19.4 |
| 2016-03-01 18:42:11 | 37.200   | -97.966   | 5.0        | 1.7            | 2.1                 | 1.4                  | 0.0              | 180 | 14.9 |
| 2016-03-01 20:17:22 | 37.224   | -97.585   | 5.0        | 1.7            | 0.6                 | 0.9                  | 0.0              | 150 | 17.9 |
| 2016-03-01 20:27:52 | 37.238   | -97.961   | 5.0        | 2.2            | 2.3                 | 1.9                  | 0.0              | 163 | 16.8 |
| 2016-03-02 00:39:06 | 37.091   | -98.118   | 5.0        | 1.4            | 3.4                 | 2.6                  | 0.0              | 233 | 14.0 |
| 2016-03-02 01:28:15 | 37.083   | -97.189   | 5.0        | 2.2            | 3.6                 | 2.6                  | 0.0              | 255 | 14.8 |
| 2016-03-02 03:06:12 | 37.284   | -97.623   | 5.0        | 1.7            | 1.2                 | 2.2                  | 0.0              | 172 | 17.9 |
| 2016-03-02 03:13:30 | 37.290   | -97.609   | 5.0        | 1.5            | 0.9                 | 1.7                  | 0.0              | 143 | 17.3 |
| 2016-03-02 04:26:33 | 37.288   | -97.599   | 5.0        | 1.6            | 0.6                 | 1.2                  | 0.0              | 160 | 17.6 |
| 2016-03-02 06:08:23 | 37.294   | -97.979   | 5.0        | 1.7            | 1.5                 | 1.5                  | 0.0              | 150 | 14.9 |
| 2016-03-02 06:25:06 | 37.292   | -97.605   | 5.0        | 1.8            | 1.4                 | 2.0                  | 0.0              | 91  | 18.2 |
| 2016-03-02 06:34:40 | 37.835   | -97.312   | 5.0        | 2.0            | 1.2                 | 1.9                  | 0.0              | 220 | 7.0  |
| 2016-03-02 06:41:57 | 37.293   | -97.600   | 5.0        | 0.8            | 0.8                 | 1.4                  | 0.0              | 139 | 15.6 |
| 2016-03-02 06:57:39 | 37.298   | -97.609   | 5.0        | 2.0            | 1.3                 | 2.0                  | 0.0              | 142 | 19.0 |
| 2016-03-02 07:04:18 | 37.289   | -97.621   | 5.0        | 1.7            | 1.7                 | 2.1                  | 0.0              | 90  | 17.9 |
| 2016-03-02 07:33:04 | 37.071   | -97.513   | 5.0        | 1.5            | 2.3                 | 1.3                  | 0.0              | 230 | 15.3 |
| 2016-03-02 08:06:02 | 37.224   | -97.580   | 5.0        | 2.1            | 1.5                 | 1.8                  | 0.0              | 94  | 19.4 |
| 2016-03-02 08:48:43 | 37.292   | -97.595   | 5.0        | 1.7            | 0.9                 | 1.3                  | 0.0              | 130 | 17.9 |
| 2016-03-02 08:50:08 | 37.293   | -97.592   | 5.0        | 1.0            | 0.6                 | 1.2                  | 0.0              | 157 | 16.0 |
| 2016-03-02 09:03:25 | 37.297   | -97.597   | 5.0        | 1.1            | 1.0                 | 1.7                  | 0.0              | 159 | 16.2 |
| 2016-03-02 09:26:01 | 37.285   | -97.608   | 5.0        | 1.5            | 1.2                 | 1.8                  | 0.0              | 142 | 17.3 |
| 2016-03-02 09:28:44 | 37.298   | -97.594   | 5.0        | 1.7            | 1.3                 | 1.5                  | 0.0              | 95  | 17.9 |
| 2016-03-02 12:37:34 | 37.295   | -97.564   | 5.0        | 2.1            | 1.3                 | 1.8                  | 0.0              | 137 | 19.4 |
| 2016-03-02 12:55:42 | 37.289   | -97.615   | 5.0        | 1.8            | 1.6                 | 1.8                  | 0.0              | 89  | 18.2 |
| 2016-03-02 13:16:59 | 37.296   | -97.609   | 5.0        | 1.4            | 0.8                 | 1.3                  | 0.0              | 165 | 17.0 |
| 2016-03-02 16:09:40 | 37.211   | -97.585   | 5.0        | 1.1            | 1.3                 | 1.8                  | 0.0              | 148 | 16.2 |
| 2016-03-02 18:24:53 | 37.251   | -98.001   | 5.0        | 2.0            | 2.2                 | 1.7                  | 0.0              | 162 | 18.0 |
| 2016-03-02 19:42:39 | 37.233   | -98.177   | 5.0        | 1.4            | 4.8                 | 2.1                  | 0.0              | 177 | 13.0 |
| 2016-03-02 23:40:37 | 37.263   | -97.802   | 5.0        | 0.9            | 1.3                 | 1.5                  | 0.0              | 129 | 11.8 |
| 2016-03-02 23:50:44 | 37.138   | -97.824   | 5.0        | 1.4            | 3.2                 | 2.1                  | 0.0              | 204 | 14.0 |
| 2016-03-03 01:39:25 | 37.291   | -97.597   | 5.0        | 1.9            | 1.3                 | 1.8                  | 0.0              | 129 | 18.6 |
| 2016-03-03 02:00:04 | 37.084   | -97.838   | 5.0        | 2.0            | 2.5                 | 1.5                  | 0.0              | 198 | 16.0 |
| 2016-03-03 02:46:13 | 37.001   | -98.016   | 5.0        | 1.8            | 2.9                 | 1.8                  | 0.0              | 197 | 14.2 |
| 2016-03-03 05:04:29 | 37.156   | -97.416   | 5.0        | 1.0            | 1.7                 | 1.2                  | 0.0              | 166 | 4.0  |
| 2016-03-03 06:51:25 | 37.118   | -97.841   | 5.0        | 1.9            | 1.9                 | 1.2                  | 0.0              | 181 | 16.6 |
| 2016-03-03 07:16:23 | 37.131   | -97.432   | 5.0        | 1.8            | 3.3                 | 2.2                  | 0.0              | 182 | 10.2 |
| 2016-03-03 15:58:03 | 37.099   | -97.188   | 5.0        | 1.7            | 2.5                 | 1.7                  | 0.0              | 243 | 13.9 |
| 2016-03-03 19:25:35 | 37.079   | -97.722   | 5.0        | 1.1            | 1.8                 | 1.0                  | 0.0              | 215 | 12.2 |
| 2016-03-03 22:12:37 | 38.842   | -97.478   | 5.0        | 1.8            | 1.9                 | 2.0                  | 0.0              | 285 | 13.2 |
| 2016-03-03 22:13:52 | 38.844   | -97.476   | 5.0        | 1.8            | 5.2                 | 4.5                  | 0.0              | 285 | 15.2 |
| 2016-03-03 22:23:48 | 37.287   | -97.602   | 5.0        | 0.7            | 0.7                 | 0.9                  | 0.0              | 127 | 12.5 |
| 2016-03-03 22:24:36 | 37.282   | -97.609   | 5.0        | 1.2            | 1.2                 | 2.0                  | 0.0              | 165 | 16.4 |
| 2016-03-03 22:28:18 | 37.292   | -97.601   | 5.0        | 1.7            | 1.0                 | 1.4                  | 0.0              | 129 | 17.9 |
| 2016-03-03 22:33:19 | 37.301   | -97.576   | 5.0        | 1.8            | 1.2                 | 2.0                  | 0.0              | 136 | 18.2 |

| origin time (UTC)   | latitude | longitude | depth (km) | magnitude (MC) | latitude error (km) | longitude error (km) | depth error (km) | gap | SAS  |
|---------------------|----------|-----------|------------|----------------|---------------------|----------------------|------------------|-----|------|
| 2016-03-03 23:17:48 | 37.296   | -97.595   | 5.0        | 1.7            | 0.9                 | 1.4                  | 0.0              | 131 | 17.9 |
| 2016-03-04 00:00:06 | 37.255   | -97.637   | 5.0        | 1.4            | 2.5                 | 2.6                  | 0.0              | 222 | 17.0 |
| 2016-03-04 00:41:38 | 37.280   | -97.619   | 5.0        | 2.0            | 1.4                 | 1.2                  | 0.0              | 158 | 19.0 |
| 2016-03-04 01:28:55 | 37.275   | -97.630   | 5.0        | 2.0            | 2.0                 | 1.5                  | 0.0              | 159 | 19.0 |
| 2016-03-04 02:01:50 | 37.248   | -98.030   | 5.0        | 2.1            | 1.9                 | 1.3                  | 0.0              | 173 | 15.4 |
| 2016-03-04 07:01:57 | 37.189   | -97.801   | 5.0        | 1.8            | 1.6                 | 1.3                  | 0.0              | 170 | 14.2 |
| 2016-03-04 08:19:27 | 37.255   | -97.923   | 5.0        | 1.4            | 4.6                 | 2.7                  | 0.0              | 161 | 15.0 |
| 2016-03-04 10:23:59 | 37.258   | -97.938   | 5.0        | 1.3            | 0.8                 | 0.7                  | 0.0              | 170 | 14.7 |
| 2016-03-04 12:11:40 | 37.040   | -97.907   | 5.0        | 1.8            | 2.9                 | 1.9                  | 0.0              | 193 | 14.2 |
| 2016-03-04 14:51:03 | 37.119   | -97.980   | 5.0        | 1.7            | 2.7                 | 1.8                  | 0.0              | 193 | 13.9 |
| 2016-03-04 21:43:27 | 37.012   | -97.206   | 5.0        | 2.2            | 1.8                 | 2.9                  | 0.0              | 313 | 15.8 |
| 2016-03-04 23:34:04 | 37.057   | -97.178   | 5.0        | 1.4            | 3.2                 | 2.1                  | 0.0              | 306 | 13.0 |
| 2016-03-05 00:04:51 | 37.044   | -97.777   | 5.0        | 1.6            | 1.2                 | 0.9                  | 0.0              | 204 | 13.6 |
| 2016-03-05 01:48:29 | 37.222   | -97.970   | 5.0        | 1.4            | 1.7                 | 2.6                  | 0.0              | 265 | 16.0 |
| 2016-03-05 03:29:04 | 37.299   | -97.579   | 5.0        | 1.5            | 3.0                 | 3.7                  | 0.0              | 206 | 17.3 |
| 2016-03-05 03:42:55 | 37.268   | -97.642   | 5.0        | 1.0            | 2.2                 | 2.7                  | 0.0              | 220 | 16.0 |
| 2016-03-05 04:04:10 | 37.418   | -98.905   | 5.0        | 1.4            | 1.6                 | 2.0                  | 0.0              | 169 | 10.0 |
| 2016-03-05 10:02:47 | 37.316   | -98.789   | 5.0        | 1.8            | 2.2                 | 1.7                  | 0.0              | 146 | 10.2 |
| 2016-03-05 13:13:36 | 37.315   | -97.576   | 5.0        | 1.0            | 2.3                 | 2.9                  | 0.0              | 202 | 16.0 |
| 2016-03-05 13:34:23 | 37.301   | -97.587   | 5.0        | 1.6            | 1.9                 | 1.9                  | 0.0              | 174 | 17.6 |
| 2016-03-05 13:55:44 | 37.292   | -97.591   | 5.0        | 1.5            | 3.6                 | 4.4                  | 0.0              | 209 | 17.3 |
| 2016-03-05 13:57:28 | 37.289   | -98.759   | 5.0        | 1.0            | 2.7                 | 3.8                  | 0.0              | 241 | 9.0  |
| 2016-03-05 14:01:22 | 37.270   | -97.634   | 5.0        | 1.8            | 3.0                 | 2.8                  | 0.0              | 160 | 18.2 |
| 2016-03-05 16:13:45 | 37.142   | -97.682   | 5.0        | 1.8            | 1.5                 | 1.0                  | 0.0              | 186 | 15.2 |
| 2016-03-05 16:18:48 | 37.277   | -97.623   | 5.0        | 2.0            | 2.3                 | 2.1                  | 0.0              | 159 | 19.0 |
| 2016-03-05 16:23:11 | 37.305   | -97.582   | 5.0        | 1.9            | 2.0                 | 1.9                  | 0.0              | 151 | 18.6 |
| 2016-03-05 16:26:43 | 37.287   | -97.621   | 5.0        | 1.3            | 2.0                 | 2.6                  | 0.0              | 213 | 16.7 |
| 2016-03-05 17:12:39 | 37.294   | -97.607   | 5.0        | 2.0            | 1.5                 | 1.5                  | 0.0              | 155 | 19.0 |
| 2016-03-05 17:18:08 | 37.287   | -97.613   | 5.0        | 1.3            | 1.7                 | 1.7                  | 0.0              | 213 | 16.7 |
| 2016-03-05 17:19:33 | 37.277   | -97.617   | 5.0        | 2.3            | 1.2                 | 1.3                  | 0.0              | 159 | 20.3 |
| 2016-03-05 18:10:25 | 37.282   | -97.622   | 5.0        | 1.8            | 1.4                 | 1.3                  | 0.0              | 158 | 18.2 |
| 2016-03-05 18:17:27 | 37.278   | -97.609   | 5.0        | 1.8            | 1.7                 | 1.6                  | 0.0              | 158 | 18.2 |
| 2016-03-05 18:20:47 | 37.280   | -97.616   | 5.0        | 1.7            | 1.8                 | 2.3                  | 0.0              | 214 | 17.9 |
| 2016-03-05 18:46:45 | 37.278   | -97.615   | 5.0        | 1.6            | 2.2                 | 2.3                  | 0.0              | 215 | 17.6 |
| 2016-03-05 18:55:09 | 37.277   | -97.630   | 5.0        | 1.2            | 2.1                 | 2.6                  | 0.0              | 217 | 16.4 |
| 2016-03-05 19:01:56 | 37.300   | -97.574   | 5.0        | 1.3            | 2.3                 | 2.8                  | 0.0              | 205 | 16.7 |
| 2016-03-05 19:02:32 | 37.276   | -97.636   | 5.0        | 0.9            | 1.7                 | 2.1                  | 0.0              | 218 | 15.8 |
| 2016-03-05 19:23:29 | 37.234   | -98.018   | 5.0        | 2.3            | 2.0                 | 1.4                  | 0.0              | 165 | 16.3 |
| 2016-03-05 19:38:11 | 37.275   | -97.635   | 5.0        | 1.6            | 2.2                 | 2.7                  | 0.0              | 218 | 17.6 |
| 2016-03-05 19:51:31 | 37.235   | -98.010   | 5.0        | 1.4            | 1.9                 | 1.5                  | 0.0              | 175 | 14.0 |
| 2016-03-05 22:29:09 | 37.298   | -97.585   | 5.0        | 1.3            | 2.2                 | 2.7                  | 0.0              | 207 | 16.7 |
| 2016-03-05 22:32:02 | 37.291   | -97.606   | 5.0        | 1.6            | 2.1                 | 2.6                  | 0.0              | 211 | 17.6 |
| 2016-03-05 23:57:18 | 37.260   | -97.633   | 5.0        | 1.9            | 1.9                 | 2.0                  | 0.0              | 220 | 18.6 |
| 2016-03-06 00:02:53 | 37.295   | -97.596   | 5.0        | 1.1            | 1.5                 | 1.6                  | 0.0              | 144 | 16.2 |
| 2016-03-06 01:35:33 | 37.292   | -97.609   | 5.0        | 1.3            | 1.2                 | 2.3                  | 0.0              | 143 | 16.7 |
| 2016-03-06 01:53:40 | 37.279   | -97.753   | 5.0        | 1.2            | 1.0                 | 2.5                  | 0.0              | 196 | 12.4 |
| 2016-03-06 01:54:44 | 37.285   | -97.597   | 5.0        | 1.4            | 0.6                 | 0.9                  | 0.0              | 159 | 17.0 |
| 2016-03-06 02:00:07 | 37.431   | -98.934   | 5.0        | 1.7            | 2.7                 | 2.0                  | 0.0              | 208 | 10.9 |
| 2016-03-06 02:04:04 | 37.020   | -98.831   | 5.0        | 1.6            | 1.9                 | 1.2                  | 0.0              | 197 | 13.6 |

| origin time (UTC)   | latitude | longitude | depth (km) | magnitude (MC) | latitude error (km) | longitude error (km) | depth error (km) | gap | SAS  |
|---------------------|----------|-----------|------------|----------------|---------------------|----------------------|------------------|-----|------|
| 2016-03-06 02:16:17 | 37.062   | -97.868   | 5.0        | 1.6            | 2.7                 | 1.7                  | 0.0              | 201 | 14.6 |
| 2016-03-06 05:41:08 | 37.314   | -98.886   | 5.0        | 1.2            | 4.4                 | 2.6                  | 0.0              | 184 | 6.4  |
| 2016-03-06 08:29:25 | 37.294   | -97.597   | 5.0        | 1.6            | 1.9                 | 2.3                  | 0.0              | 93  | 17.6 |
| 2016-03-06 08:41:34 | 37.520   | -97.865   | 5.0        | 2.3            | 1.6                 | 1.5                  | 0.0              | 107 | 16.3 |
| 2016-03-06 08:57:46 | 37.524   | -97.864   | 5.0        | 1.2            | 0.9                 | 1.5                  | 0.0              | 129 | 12.4 |
| 2016-03-06 09:45:41 | 37.132   | -97.702   | 5.0        | 2.0            | 1.9                 | 1.2                  | 0.0              | 188 | 16.0 |
| 2016-03-06 10:23:31 | 37.286   | -97.609   | 5.0        | 1.1            | 0.9                 | 1.4                  | 0.0              | 126 | 16.2 |
| 2016-03-06 10:23:55 | 37.286   | -97.604   | 5.0        | 1.7            | 1.0                 | 1.2                  | 0.0              | 88  | 17.9 |
| 2016-03-06 10:46:55 | 37.292   | -97.609   | 5.0        | 1.2            | 0.9                 | 1.7                  | 0.0              | 143 | 16.4 |
| 2016-03-06 10:59:09 | 37.283   | -97.617   | 5.0        | 2.1            | 1.4                 | 1.5                  | 0.0              | 85  | 19.4 |
| 2016-03-06 11:17:02 | 37.285   | -97.619   | 5.0        | 1.8            | 1.4                 | 1.5                  | 0.0              | 86  | 18.2 |
| 2016-03-06 11:21:38 | 37.297   | -98.685   | 5.0        | 1.2            | 2.3                 | 1.8                  | 0.0              | 207 | 11.4 |
| 2016-03-06 11:30:59 | 37.292   | -97.603   | 5.0        | 1.2            | 0.8                 | 1.5                  | 0.0              | 162 | 16.4 |
| 2016-03-06 11:33:51 | 37.066   | -97.909   | 5.0        | 1.6            | 1.7                 | 1.3                  | 0.0              | 238 | 14.6 |
| 2016-03-06 11:37:15 | 37.293   | -97.606   | 5.0        | 1.2            | 1.3                 | 1.9                  | 0.0              | 127 | 16.4 |
| 2016-03-06 11:39:27 | 37.288   | -97.601   | 5.0        | 1.3            | 1.2                 | 1.7                  | 0.0              | 140 | 16.7 |
| 2016-03-06 11:41:49 | 37.100   | -98.116   | 5.0        | 1.9            | 2.5                 | 1.7                  | 0.0              | 183 | 14.6 |
| 2016-03-06 12:02:38 | 37.292   | -97.599   | 5.0        | 1.4            | 1.6                 | 2.0                  | 0.0              | 231 | 17.0 |
| 2016-03-06 12:04:25 | 37.291   | -97.569   | 5.0        | 1.0            | 1.8                 | 3.2                  | 0.0              | 146 | 16.0 |
| 2016-03-06 13:13:22 | 37.252   | -97.604   | 5.0        | 1.3            | 1.0                 | 1.5                  | 0.0              | 120 | 16.7 |
| 2016-03-06 13:48:30 | 37.280   | -98.095   | 5.0        | 0.7            | 1.2                 | 4.5                  | 0.0              | 221 | 11.5 |
| 2016-03-06 14:21:59 | 37.289   | -97.609   | 5.0        | 2.2            | 1.4                 | 1.8                  | 0.0              | 126 | 19.8 |
| 2016-03-06 15:13:36 | 37.292   | -97.609   | 5.0        | 1.8            | 0.9                 | 1.4                  | 0.0              | 127 | 18.2 |
| 2016-03-06 20:23:03 | 37.296   | -97.590   | 5.0        | 1.8            | 0.6                 | 0.8                  | 0.0              | 132 | 18.2 |
| 2016-03-07 02:36:17 | 37.287   | -97.603   | 5.0        | 2.1            | 1.1                 | 1.4                  | 0.0              | 127 | 19.4 |
| 2016-03-07 02:52:20 | 37.290   | -97.593   | 5.0        | 1.4            | 0.9                 | 0.9                  | 0.0              | 91  | 17.0 |
| 2016-03-07 02:58:45 | 37.286   | -97.612   | 5.0        | 1.4            | 1.6                 | 1.8                  | 0.0              | 88  | 17.0 |
| 2016-03-07 03:03:00 | 37.284   | -97.622   | 5.0        | 1.6            | 1.7                 | 2.1                  | 0.0              | 85  | 17.6 |
| 2016-03-07 03:13:34 | 37.288   | -97.620   | 5.0        | 1.3            | 1.3                 | 1.9                  | 0.0              | 123 | 16.7 |
| 2016-03-07 03:21:24 | 37.279   | -97.590   | 5.0        | 1.1            | 0.9                 | 1.1                  | 0.0              | 129 | 16.2 |
| 2016-03-07 03:35:39 | 37.288   | -97.610   | 5.0        | 2.4            | 1.0                 | 1.3                  | 0.0              | 126 | 20.8 |
| 2016-03-07 03:50:51 | 37.277   | -97.622   | 5.0        | 1.8            | 1.7                 | 2.0                  | 0.0              | 83  | 18.2 |
| 2016-03-07 03:52:33 | 37.292   | -97.602   | 5.0        | 1.6            | 1.0                 | 1.2                  | 0.0              | 91  | 17.6 |
| 2016-03-07 06:31:11 | 37.292   | -97.599   | 5.0        | 1.9            | 1.3                 | 1.7                  | 0.0              | 129 | 18.6 |
| 2016-03-07 06:46:52 | 37.278   | -98.396   | 5.0        | 1.5            | 3.7                 | 2.2                  | 0.0              | 169 | 5.3  |
| 2016-03-07 10:00:24 | 37.295   | -97.588   | 5.0        | 1.3            | 1.3                 | 1.8                  | 0.0              | 132 | 16.7 |
| 2016-03-08 01:45:44 | 37.079   | -98.789   | 5.0        | 1.4            | 4.8                 | 2.5                  | 0.0              | 253 | 13.0 |
| 2016-03-08 02:11:26 | 37.320   | -97.495   | 5.0        | 1.3            | 0.8                 | 1.2                  | 0.0              | 159 | 16.7 |
| 2016-03-08 09:04:18 | 37.179   | -97.670   | 5.0        | 1.5            | 2.9                 | 2.4                  | 0.0              | 140 | 16.3 |
| 2016-03-08 09:06:26 | 37.130   | -97.290   | 5.0        | 1.5            | 1.3                 | 0.7                  | 0.0              | 182 | 6.3  |
| 2016-03-08 09:12:06 | 37.166   | -97.695   | 5.0        | 1.2            | 1.2                 | 1.2                  | 0.0              | 166 | 15.4 |
| 2016-03-08 09:12:53 | 37.148   | -97.689   | 5.0        | 1.2            | 1.3                 | 1.1                  | 0.0              | 182 | 15.4 |
| 2016-03-08 09:47:10 | 37.213   | -97.977   | 5.0        | 1.4            | 2.3                 | 1.6                  | 0.0              | 205 | 13.0 |
| 2016-03-08 10:27:41 | 37.295   | -97.601   | 5.0        | 2.2            | 1.6                 | 2.0                  | 0.0              | 129 | 15.8 |
| 2016-03-08 10:29:02 | 37.287   | -97.592   | 5.0        | 1.2            | 0.7                 | 1.0                  | 0.0              | 130 | 16.4 |
| 2016-03-08 10:36:34 | 37.291   | -97.607   | 5.0        | 1.0            | 1.0                 | 1.3                  | 0.0              | 127 | 16.0 |
| 2016-03-08 10:39:58 | 37.291   | -97.603   | 5.0        | 1.1            | 0.9                 | 2.2                  | 0.0              | 198 | 16.2 |
| 2016-03-08 10:45:45 | 37.297   | -97.604   | 5.0        | 1.5            | 1.1                 | 1.3                  | 0.0              | 93  | 17.3 |
| 2016-03-08 10:53:29 | 37.292   | -97.575   | 5.0        | 1.2            | 1.3                 | 1.9                  | 0.0              | 134 | 16.4 |

| origin time (UTC)   | latitude | longitude | depth (km) | magnitude (MC) | latitude error (km) | longitude error (km) | depth error (km) | gap | SAS  |
|---------------------|----------|-----------|------------|----------------|---------------------|----------------------|------------------|-----|------|
| 2016-03-08 10:57:54 | 37.281   | -97.598   | 5.0        | 1.5            | 0.7                 | 1.0                  | 0.0              | 114 | 17.3 |
| 2016-03-08 11:00:32 | 37.158   | -97.835   | 5.0        | 1.7            | 2.0                 | 1.4                  | 0.0              | 181 | 14.9 |
| 2016-03-08 11:21:51 | 37.289   | -97.598   | 5.0        | 0.6            | 1.2                 | 1.7                  | 0.0              | 111 | 14.4 |
| 2016-03-08 11:22:02 | 37.276   | -97.602   | 5.0        | 0.7            | 2.3                 | 2.5                  | 0.0              | 85  | 15.5 |
| 2016-03-08 11:27:56 | 37.284   | -97.651   | 5.0        | 1.2            | 1.0                 | 1.3                  | 0.0              | 95  | 16.4 |
| 2016-03-08 11:55:32 | 37.287   | -97.626   | 5.0        | 1.2            | 1.2                 | 2.6                  | 0.0              | 187 | 16.4 |
| 2016-03-08 12:29:47 | 37.162   | -97.826   | 5.0        | 1.3            | 1.7                 | 1.2                  | 0.0              | 190 | 13.7 |
| 2016-03-08 12:56:24 | 37.005   | -97.571   | 5.0        | 2.0            | 2.5                 | 1.6                  | 0.0              | 215 | 15.0 |
| 2016-03-08 13:17:10 | 37.535   | -97.145   | 5.0        | 1.6            | 1.1                 | 1.5                  | 0.0              | 259 | 5.6  |
| 2016-03-08 15:06:18 | 37.287   | -97.595   | 5.0        | 0.6            | 1.4                 | 2.2                  | 0.0              | 158 | 14.4 |
| 2016-03-08 17:22:35 | 37.060   | -97.994   | 5.0        | 1.5            | 2.9                 | 1.6                  | 0.0              | 202 | 13.3 |
| 2016-03-08 20:35:43 | 37.137   | -97.693   | 5.0        | 1.3            | 1.3                 | 0.9                  | 0.0              | 196 | 15.7 |
| 2016-03-08 22:42:01 | 37.624   | -97.656   | 5.0        | 1.9            | 1.2                 | 1.2                  | 0.0              | 173 | 8.6  |
| 2016-03-08 23:07:20 | 37.022   | -98.805   | 5.0        | 2.0            | 2.5                 | 1.6                  | 0.0              | 197 | 15.0 |
| 2016-03-09 04:00:44 | 37.144   | -97.281   | 5.0        | 1.5            | 2.0                 | 1.1                  | 0.0              | 171 | 10.3 |
| 2016-03-09 04:03:31 | 37.071   | -98.830   | 5.0        | 1.8            | 3.0                 | 2.6                  | 0.0              | 250 | 15.2 |
| 2016-03-09 08:08:20 | 37.582   | -97.811   | 5.0        | 1.3            | 1.1                 | 1.1                  | 0.0              | 163 | 12.7 |
| 2016-03-09 10:32:50 | 37.277   | -97.501   | 5.0        | 2.4            | 1.4                 | 1.6                  | 0.0              | 146 | 15.8 |
| 2016-03-09 15:08:48 | 37.082   | -97.184   | 5.0        | 1.8            | 2.2                 | 1.7                  | 0.0              | 259 | 15.2 |
| 2016-03-09 16:30:56 | 37.357   | -98.106   | 5.0        | 1.3            | 2.5                 | 1.1                  | 0.0              | 200 | 12.7 |
| 2016-03-09 17:05:47 | 37.286   | -97.601   | 5.0        | 1.7            | 1.0                 | 1.9                  | 0.0              | 140 | 17.9 |
| 2016-03-09 17:10:24 | 37.286   | -97.623   | 5.0        | 1.4            | 1.4                 | 1.7                  | 0.0              | 86  | 17.0 |
| 2016-03-09 18:35:49 | 37.290   | -97.615   | 5.0        | 1.4            | 0.9                 | 1.2                  | 0.0              | 125 | 17.0 |
| 2016-03-09 19:10:31 | 37.289   | -97.614   | 5.0        | 1.3            | 0.5                 | 0.8                  | 0.0              | 144 | 16.7 |
| 2016-03-09 22:06:49 | 37.104   | -97.183   | 5.0        | 1.8            | 2.7                 | 1.7                  | 0.0              | 243 | 15.2 |
| 2016-03-09 23:43:02 | 37.289   | -97.606   | 5.0        | 1.8            | 1.0                 | 1.1                  | 0.0              | 89  | 18.2 |
| 2016-03-09 23:49:35 | 37.279   | -97.615   | 5.0        | 1.5            | 1.3                 | 1.6                  | 0.0              | 84  | 17.3 |
| 2016-03-10 03:22:10 | 37.111   | -97.792   | 5.0        | 1.8            | 2.5                 | 1.5                  | 0.0              | 183 | 14.2 |
| 2016-03-10 04:47:48 | 37.128   | -97.291   | 5.0        | 2.0            | 1.6                 | 1.1                  | 0.0              | 181 | 11.0 |
| 2016-03-10 08:25:30 | 37.171   | -98.009   | 5.0        | 1.3            | 3.0                 | 2.9                  | 0.0              | 225 | 12.7 |
| 2016-03-10 08:57:12 | 37.156   | -97.280   | 5.0        | 1.4            | 1.5                 | 1.0                  | 0.0              | 161 | 11.0 |
| 2016-03-10 10:18:29 | 37.313   | -97.930   | 5.0        | 1.3            | 1.0                 | 1.0                  | 0.0              | 106 | 14.7 |
| 2016-03-10 10:19:20 | 37.318   | -97.931   | 5.0        | 1.1            | 0.6                 | 0.9                  | 0.0              | 129 | 14.2 |
| 2016-03-10 11:33:35 | 37.302   | -97.905   | 5.0        | 0.6            | 1.4                 | 2.0                  | 0.0              | 201 | 11.4 |
| 2016-03-10 12:00:23 | 37.513   | -97.866   | 5.0        | 1.8            | 1.8                 | 1.8                  | 0.0              | 103 | 14.2 |
| 2016-03-10 21:15:37 | 37.267   | -97.909   | 5.0        | 1.1            | 2.0                 | 3.1                  | 0.0              | 253 | 16.2 |
| 2016-03-11 01:41:52 | 37.103   | -97.492   | 5.0        | 1.8            | 2.2                 | 1.5                  | 0.0              | 195 | 14.2 |
| 2016-03-11 02:28:07 | 37.243   | -97.854   | 5.0        | 1.7            | 2.0                 | 1.4                  | 0.0              | 171 | 15.9 |
| 2016-03-11 04:16:56 | 37.110   | -97.770   | 5.0        | 1.9            | 2.6                 | 2.1                  | 0.0              | 183 | 15.6 |
| 2016-03-11 08:52:23 | 37.307   | -97.627   | 5.0        | 1.5            | 2.2                 | 1.8                  | 0.0              | 153 | 15.3 |
| 2016-03-11 11:49:41 | 37.203   | -98.748   | 5.0        | 1.8            | 2.3                 | 1.5                  | 0.0              | 165 | 8.2  |
| 2016-03-11 11:55:58 | 37.648   | -97.754   | 5.0        | 1.6            | 2.7                 | 1.9                  | 0.0              | 217 | 10.6 |
| 2016-03-11 17:23:23 | 37.062   | -97.759   | 5.0        | 1.6            | 2.8                 | 2.1                  | 0.0              | 201 | 14.6 |
| 2016-03-11 17:27:25 | 37.328   | -98.072   | 5.0        | 1.4            | 2.4                 | 1.9                  | 0.0              | 161 | 13.0 |
| 2016-03-11 18:01:17 | 37.229   | -97.927   | 5.0        | 1.6            | 2.2                 | 1.9                  | 0.0              | 204 | 17.6 |
| 2016-03-11 20:02:28 | 37.245   | -97.897   | 5.0        | 1.5            | 1.2                 | 1.1                  | 0.0              | 171 | 17.3 |
| 2016-03-11 21:06:16 | 37.309   | -97.597   | 5.0        | 1.4            | 4.2                 | 5.3                  | 0.0              | 206 | 15.0 |
| 2016-03-11 21:07:33 | 37.619   | -97.778   | 5.0        | 1.5            | 2.9                 | 2.1                  | 0.0              | 201 | 14.3 |
| 2016-03-11 21:18:26 | 37.285   | -97.627   | 5.0        | 1.5            | 1.2                 | 1.3                  | 0.0              | 157 | 15.3 |



| origin time (UTC)   | latitude | longitude | depth (km) | magnitude (MC) | latitude error (km) | longitude error (km) | depth error (km) | gap | SAS  |
|---------------------|----------|-----------|------------|----------------|---------------------|----------------------|------------------|-----|------|
| 2016-03-12 00:24:50 | 37.062   | -97.170   | 5.0        | 2.0            | 2.6                 | 2.1                  | 0.0              | 274 | 15.0 |
| 2016-03-12 09:25:58 | 37.218   | -97.987   | 5.0        | 2.0            | 2.3                 | 1.7                  | 0.0              | 167 | 17.0 |
| 2016-03-12 12:20:04 | 37.099   | -98.853   | 5.0        | 1.6            | 2.4                 | 1.7                  | 0.0              | 206 | 13.6 |
| 2016-03-12 14:18:28 | 37.094   | -97.168   | 5.0        | 1.4            | 6.1                 | 3.6                  | 0.0              | 306 | 14.0 |
| 2016-03-13 02:48:36 | 37.345   | -97.793   | 5.0        | 1.2            | 0.7                 | 1.0                  | 0.0              | 99  | 12.4 |
| 2016-03-13 02:54:08 | 37.162   | -98.656   | 5.0        | 1.7            | 2.8                 | 1.1                  | 0.0              | 182 | 7.9  |
| 2016-03-13 03:54:10 | 37.162   | -97.791   | 5.0        | 1.9            | 1.9                 | 1.5                  | 0.0              | 185 | 16.6 |
| 2016-03-13 04:22:40 | 37.169   | -97.820   | 5.0        | 1.6            | 1.2                 | 0.8                  | 0.0              | 185 | 14.6 |
| 2016-03-13 06:44:26 | 37.057   | -97.150   | 5.0        | 1.7            | 2.8                 | 3.0                  | 0.0              | 289 | 14.9 |
| 2016-03-13 06:52:02 | 37.959   | -96.955   | 5.0        | 2.0            | 1.4                 | 2.1                  | 0.0              | 253 | 8.0  |
| 2016-03-13 06:55:40 | 37.159   | -97.690   | 5.0        | 1.8            | 2.1                 | 1.4                  | 0.0              | 165 | 15.2 |
| 2016-03-13 10:50:10 | 37.108   | -98.157   | 5.0        | 1.5            | 3.0                 | 1.5                  | 0.0              | 199 | 14.3 |
| 2016-03-13 13:18:52 | 37.948   | -96.940   | 5.0        | 2.2            | 2.8                 | 4.4                  | 0.0              | 254 | 10.8 |
| 2016-03-13 14:33:58 | 37.046   | -97.363   | 5.0        | 1.4            | 3.5                 | 1.8                  | 0.0              | 232 | 5.0  |
| 2016-03-13 17:12:57 | 37.092   | -98.075   | 5.0        | 1.2            | 2.6                 | 2.9                  | 0.0              | 277 | 13.4 |
| 2016-03-13 17:43:21 | 37.559   | -97.838   | 5.0        | 0.7            | 1.5                 | 1.8                  | 0.0              | 137 | 12.5 |
| 2016-03-13 18:53:20 | 37.420   | -98.903   | 5.0        | 1.8            | 1.6                 | 1.8                  | 0.0              | 169 | 12.2 |
| 2016-03-13 20:01:33 | 37.488   | -97.842   | 5.0        | 1.1            | 0.8                 | 1.1                  | 0.0              | 143 | 13.2 |
| 2016-03-13 22:31:57 | 37.047   | -98.770   | 5.0        | 1.5            | 3.6                 | 2.4                  | 0.0              | 268 | 13.3 |
| 2016-03-14 07:14:50 | 37.350   | -97.976   | 5.0        | 1.3            | 0.7                 | 1.3                  | 0.0              | 154 | 14.7 |
| 2016-03-14 07:20:54 | 37.360   | -97.979   | 5.0        | 1.3            | 0.7                 | 1.1                  | 0.0              | 158 | 14.7 |
| 2016-03-14 12:00:16 | 37.008   | -97.798   | 5.0        | 1.3            | 2.2                 | 1.5                  | 0.0              | 239 | 13.7 |
| 2016-03-14 12:59:30 | 37.164   | -97.827   | 5.0        | 1.9            | 2.9                 | 1.9                  | 0.0              | 174 | 16.6 |
| 2016-03-14 19:30:58 | 37.006   | -97.434   | 5.0        | 1.0            | 2.3                 | 1.1                  | 0.0              | 251 | 6.0  |
| 2016-03-14 21:44:02 | 37.217   | -97.889   | 5.0        | 1.0            | 1.8                 | 1.4                  | 0.0              | 163 | 13.0 |
| 2016-03-14 23:53:53 | 37.024   | -98.049   | 5.0        | 2.6            | 1.8                 | 1.1                  | 0.0              | 194 | 17.8 |
| 2016-03-15 00:39:44 | 37.249   | -97.955   | 5.0        | 1.7            | 2.2                 | 1.3                  | 0.0              | 155 | 15.9 |
| 2016-03-15 01:12:29 | 37.205   | -97.884   | 5.0        | 1.6            | 1.3                 | 1.2                  | 0.0              | 170 | 16.6 |
| 2016-03-15 03:07:51 | 37.076   | -97.915   | 5.0        | 2.1            | 1.5                 | 0.9                  | 0.0              | 187 | 16.4 |
| 2016-03-15 03:58:05 | 37.428   | -97.988   | 5.0        | 1.1            | 1.4                 | 1.9                  | 0.0              | 230 | 14.2 |
| 2016-03-15 05:37:56 | 37.245   | -97.566   | 5.0        | 1.3            | 0.9                 | 1.0                  | 0.0              | 92  | 14.7 |
| 2016-03-15 06:20:18 | 37.079   | -97.855   | 5.0        | 1.3            | 2.9                 | 2.2                  | 0.0              | 227 | 14.7 |
| 2016-03-15 06:22:32 | 37.188   | -97.904   | 5.0        | 1.4            | 1.0                 | 0.7                  | 0.0              | 183 | 17.0 |
| 2016-03-15 07:30:00 | 37.442   | -98.084   | 5.0        | 0.6            | 1.6                 | 4.1                  | 0.0              | 209 | 5.4  |
| 2016-03-15 09:32:57 | 37.956   | -96.922   | 5.0        | 2.1            | 3.3                 | 4.8                  | 0.0              | 256 | 11.4 |
| 2016-03-15 12:49:33 | 37.043   | -97.919   | 5.0        | 1.6            | 1.8                 | 1.2                  | 0.0              | 204 | 15.6 |
| 2016-03-15 23:11:36 | 37.147   | -98.009   | 5.0        | 2.4            | 1.9                 | 1.2                  | 0.0              | 176 | 16.8 |
| 2016-03-16 00:11:08 | 37.308   | -97.612   | 5.0        | 1.1            | 1.9                 | 1.9                  | 0.0              | 141 | 14.2 |
| 2016-03-16 00:16:53 | 37.300   | -97.625   | 5.0        | 1.4            | 1.5                 | 1.7                  | 0.0              | 144 | 15.0 |
| 2016-03-16 03:25:45 | 37.175   | -97.998   | 5.0        | 1.5            | 2.7                 | 2.5                  | 0.0              | 216 | 15.3 |
| 2016-03-16 05:02:50 | 37.184   | -97.987   | 5.0        | 1.2            | 2.1                 | 1.7                  | 0.0              | 204 | 15.4 |
| 2016-03-16 05:14:29 | 37.127   | -97.282   | 5.0        | 1.3            | 1.4                 | 0.8                  | 0.0              | 184 | 12.7 |
| 2016-03-16 09:18:49 | 37.253   | -98.134   | 5.0        | 2.1            | 1.5                 | 1.1                  | 0.0              | 145 | 15.4 |
| 2016-03-16 10:12:44 | 37.168   | -97.657   | 5.0        | 1.3            | 1.1                 | 0.9                  | 0.0              | 185 | 13.7 |
| 2016-03-16 11:32:52 | 37.013   | -98.843   | 5.0        | 1.6            | 1.9                 | 1.3                  | 0.0              | 199 | 13.6 |
| 2016-03-16 14:16:57 | 37.023   | -97.714   | 5.0        | 1.4            | 2.2                 | 1.5                  | 0.0              | 230 | 13.0 |
| 2016-03-16 14:20:31 | 37.131   | -97.291   | 5.0        | 2.1            | 1.5                 | 0.9                  | 0.0              | 181 | 15.4 |
| 2016-03-16 18:23:41 | 37.125   | -97.604   | 5.0        | 1.5            | 2.8                 | 2.0                  | 0.0              | 196 | 14.3 |
| 2016-03-16 22:13:03 | 37.032   | -97.938   | 5.0        | 1.7            | 2.8                 | 1.6                  | 0.0              | 206 | 13.9 |

| origin time (UTC)   | latitude | longitude | depth (km) | magnitude (MC) | latitude error (km) | longitude error (km) | depth error (km) | gap | SAS  |
|---------------------|----------|-----------|------------|----------------|---------------------|----------------------|------------------|-----|------|
| 2016-03-17 04:15:05 | 37.203   | -97.886   | 5.0        | 1.6            | 1.7                 | 1.3                  | 0.0              | 178 | 15.6 |
| 2016-03-17 04:17:03 | 37.061   | -98.309   | 5.0        | 1.5            | 4.4                 | 1.7                  | 0.0              | 208 | 5.3  |
| 2016-03-17 06:15:06 | 37.286   | -97.603   | 5.0        | 1.0            | 1.3                 | 1.6                  | 0.0              | 233 | 13.0 |
| 2016-03-17 07:02:13 | 37.253   | -98.737   | 5.0        | 1.4            | 1.7                 | 2.2                  | 0.0              | 249 | 13.0 |
| 2016-03-17 10:16:31 | 37.222   | -97.856   | 5.0        | 1.2            | 1.6                 | 2.6                  | 0.0              | 285 | 14.4 |
| 2016-03-17 10:24:45 | 37.047   | -97.735   | 5.0        | 2.2            | 1.4                 | 1.0                  | 0.0              | 194 | 15.8 |
| 2016-03-17 12:56:39 | 37.171   | -98.680   | 5.0        | 1.5            | 2.9                 | 1.6                  | 0.0              | 231 | 9.3  |
| 2016-03-17 15:03:08 | 37.229   | -97.864   | 5.0        | 1.0            | 1.3                 | 1.8                  | 0.0              | 252 | 13.0 |
| 2016-03-17 19:46:40 | 37.267   | -97.618   | 5.0        | 1.1            | 1.7                 | 2.2                  | 0.0              | 240 | 14.2 |
| 2016-03-17 20:06:45 | 37.579   | -98.051   | 5.0        | 1.3            | 2.0                 | 1.7                  | 0.0              | 149 | 4.7  |
| 2016-03-17 23:06:52 | 37.159   | -98.033   | 5.0        | 1.4            | 2.7                 | 4.8                  | 0.0              | 275 | 13.0 |
| 2016-03-18 07:56:38 | 37.351   | -98.222   | 5.0        | 1.2            | 5.7                 | 1.8                  | 0.0              | 170 | 4.4  |
| 2016-03-18 08:19:58 | 37.182   | -97.612   | 5.0        | 1.3            | 2.3                 | 2.4                  | 0.0              | 234 | 13.7 |
| 2016-03-18 16:18:10 | 37.236   | -97.927   | 5.0        | 2.3            | 3.1                 | 2.1                  | 0.0              | 164 | 17.3 |
| 2016-03-18 19:54:59 | 37.133   | -98.251   | 5.0        | 1.3            | 3.3                 | 1.0                  | 0.0              | 211 | 12.7 |
| 2016-03-18 23:09:21 | 37.294   | -98.735   | 5.0        | 1.6            | 1.8                 | 1.3                  | 0.0              | 189 | 13.6 |
| 2016-03-19 05:13:45 | 37.238   | -97.922   | 5.0        | 2.1            | 2.4                 | 1.6                  | 0.0              | 164 | 16.4 |
| 2016-03-19 05:49:48 | 37.220   | -97.574   | 5.0        | 2.2            | 2.3                 | 1.8                  | 0.0              | 161 | 15.8 |
| 2016-03-19 07:26:22 | 37.041   | -97.872   | 5.0        | 2.0            | 2.6                 | 1.8                  | 0.0              | 193 | 15.0 |
| 2016-03-19 18:50:16 | 37.176   | -97.954   | 5.0        | 1.0            | 5.9                 | 3.8                  | 0.0              | 184 | 12.0 |
| 2016-03-19 21:34:49 | 37.097   | -98.023   | 5.0        | 2.8            | 1.9                 | 1.3                  | 0.0              | 184 | 18.8 |
| 2016-03-19 22:52:49 | 37.315   | -97.509   | 5.0        | 2.2            | 1.7                 | 1.7                  | 0.0              | 152 | 15.8 |
| 2016-03-19 22:56:18 | 37.228   | -97.612   | 5.0        | 1.0            | 1.6                 | 2.1                  | 0.0              | 245 | 12.0 |
| 2016-03-19 23:09:43 | 37.090   | -97.163   | 5.0        | 1.3            | 3.2                 | 2.1                  | 0.0              | 315 | 13.7 |
| 2016-03-20 02:27:56 | 37.026   | -97.618   | 5.0        | 2.1            | 2.2                 | 1.5                  | 0.0              | 210 | 15.4 |
| 2016-03-20 07:50:07 | 37.081   | -98.902   | 5.0        | 1.4            | 3.5                 | 3.8                  | 0.0              | 258 | 13.0 |
| 2016-03-20 11:26:17 | 37.316   | -98.811   | 5.0        | 1.7            | 3.6                 | 3.6                  | 0.0              | 167 | 13.9 |
| 2016-03-20 12:25:22 | 37.384   | -97.746   | 5.0        | 1.9            | 2.2                 | 1.9                  | 0.0              | 140 | 12.6 |
| 2016-03-20 13:21:41 | 37.058   | -97.158   | 5.0        | 1.1            | 4.3                 | 3.2                  | 0.0              | 282 | 13.2 |
| 2016-03-20 15:50:19 | 37.374   | -98.862   | 5.0        | 1.1            | 1.0                 | 1.6                  | 0.0              | 174 | 12.2 |
| 2016-03-20 19:32:28 | 37.610   | -97.781   | 5.0        | 1.3            | 6.5                 | 4.7                  | 0.0              | 195 | 16.7 |
| 2016-03-20 19:47:06 | 37.579   | -97.812   | 5.0        | 1.4            | 2.0                 | 1.8                  | 0.0              | 160 | 17.0 |
| 2016-03-21 00:00:32 | 37.180   | -97.793   | 5.0        | 1.4            | 2.4                 | 1.7                  | 0.0              | 181 | 13.0 |
| 2016-03-21 00:26:00 | 37.579   | -97.818   | 5.0        | 2.8            | 1.3                 | 1.2                  | 0.0              | 136 | 18.8 |
| 2016-03-21 00:28:15 | 37.581   | -97.815   | 5.0        | 1.2            | 1.9                 | 1.7                  | 0.0              | 160 | 16.4 |
| 2016-03-21 00:37:47 | 37.486   | -97.182   | 5.0        | 1.3            | 2.7                 | 3.5                  | 0.0              | 250 | 6.7  |
| 2016-03-21 00:47:07 | 37.575   | -97.806   | 5.0        | 1.8            | 1.8                 | 1.7                  | 0.0              | 159 | 18.2 |
| 2016-03-21 01:05:41 | 37.296   | -97.598   | 5.0        | 1.9            | 1.0                 | 1.5                  | 0.0              | 130 | 17.6 |
| 2016-03-21 01:09:35 | 37.585   | -97.809   | 5.0        | 1.9            | 1.0                 | 1.0                  | 0.0              | 166 | 18.6 |
| 2016-03-21 01:22:22 | 37.287   | -97.590   | 5.0        | 1.6            | 1.1                 | 1.6                  | 0.0              | 130 | 17.6 |
| 2016-03-21 02:05:03 | 37.568   | -97.816   | 5.0        | 1.9            | 1.2                 | 1.3                  | 0.0              | 131 | 18.6 |
| 2016-03-21 02:07:36 | 37.288   | -97.609   | 5.0        | 2.0            | 1.6                 | 1.7                  | 0.0              | 88  | 18.0 |
| 2016-03-21 02:12:02 | 37.576   | -97.812   | 5.0        | 0.8            | 1.1                 | 1.3                  | 0.0              | 158 | 13.6 |
| 2016-03-21 02:18:09 | 37.288   | -97.633   | 5.0        | 1.2            | 1.0                 | 1.3                  | 0.0              | 121 | 15.4 |
| 2016-03-21 02:50:59 | 37.280   | -97.611   | 5.0        | 2.3            | 1.9                 | 1.9                  | 0.0              | 84  | 18.3 |
| 2016-03-21 03:07:53 | 37.583   | -97.806   | 5.0        | 1.6            | 1.9                 | 2.1                  | 0.0              | 165 | 17.6 |
| 2016-03-21 03:21:28 | 37.237   | -97.570   | 5.0        | 1.3            | 1.7                 | 1.9                  | 0.0              | 93  | 14.7 |
| 2016-03-21 03:27:47 | 37.588   | -97.805   | 5.0        | 1.6            | 1.5                 | 1.5                  | 0.0              | 169 | 17.6 |
| 2016-03-21 05:14:38 | 37.220   | -97.742   | 5.0        | 0.8            | 2.3                 | 2.2                  | 0.0              | 141 | 12.6 |

| origin time (UTC)   | latitude | longitude | depth (km) | magnitude (MC) | latitude error (km) | longitude error (km) | depth error (km) | gap | SAS  |
|---------------------|----------|-----------|------------|----------------|---------------------|----------------------|------------------|-----|------|
| 2016-03-21 05:40:08 | 37.282   | -97.677   | 5.0        | 1.1            | 0.9                 | 1.6                  | 0.0              | 162 | 15.2 |
| 2016-03-21 11:04:23 | 37.531   | -97.147   | 5.0        | 2.1            | 1.3                 | 1.9                  | 0.0              | 225 | 11.4 |
| 2016-03-22 02:05:42 | 37.568   | -97.830   | 5.0        | 1.4            | 1.2                 | 1.4                  | 0.0              | 145 | 15.0 |
| 2016-03-22 10:45:19 | 37.140   | -97.287   | 5.0        | 1.4            | 2.4                 | 1.3                  | 0.0              | 174 | 13.0 |
| 2016-03-22 12:35:06 | 37.085   | -97.842   | 5.0        | 1.9            | 1.3                 | 0.8                  | 0.0              | 186 | 14.6 |
| 2016-03-22 13:56:31 | 37.212   | -97.869   | 5.0        | 1.1            | 1.1                 | 0.9                  | 0.0              | 164 | 12.2 |
| 2016-03-22 17:43:05 | 37.240   | -97.608   | 5.0        | 1.8            | 1.6                 | 1.8                  | 0.0              | 83  | 14.2 |
| 2016-03-23 04:35:52 | 38.756   | -97.417   | 5.0        | 2.4            | 3.9                 | 4.7                  | 0.0              | 279 | 8.8  |
| 2016-03-24 06:51:24 | 37.182   | -97.998   | 5.0        | 1.1            | 4.4                 | 3.3                  | 0.0              | 211 | 12.2 |
| 2016-03-24 13:28:22 | 37.165   | -97.793   | 5.0        | 1.4            | 1.5                 | 1.1                  | 0.0              | 184 | 13.0 |
| 2016-03-24 17:02:50 | 37.323   | -97.504   | 5.0        | 1.1            | 1.0                 | 1.3                  | 0.0              | 158 | 13.2 |
| 2016-03-24 18:30:27 | 37.511   | -97.867   | 5.0        | 0.3            | 3.5                 | 4.0                  | 0.0              | 220 | 14.1 |
| 2016-03-24 19:12:37 | 37.449   | -97.929   | 5.0        | 0.4            | 5.0                 | 4.5                  | 0.0              | 179 | 12.2 |
| 2016-03-24 23:04:51 | 37.153   | -97.652   | 5.0        | 1.9            | 2.1                 | 2.6                  | 0.0              | 178 | 15.6 |
| 2016-03-24 23:52:33 | 37.566   | -97.819   | 5.0        | 0.3            | 1.9                 | 2.2                  | 0.0              | 148 | 13.1 |
| 2016-03-24 23:53:38 | 37.536   | -97.840   | 5.0        | 0.5            | 4.5                 | 4.2                  | 0.0              | 205 | 13.3 |
| 2016-03-25 00:05:07 | 37.145   | -97.671   | 5.0        | 1.7            | 2.0                 | 2.2                  | 0.0              | 246 | 15.9 |
| 2016-03-25 02:31:41 | 37.349   | -98.694   | 5.0        | 1.6            | 2.9                 | 2.7                  | 0.0              | 188 | 13.6 |
| 2016-03-25 03:19:35 | 37.292   | -97.536   | 5.0        | 1.2            | 2.6                 | 3.0                  | 0.0              | 217 | 13.4 |
| 2016-03-25 04:26:53 | 37.421   | -98.928   | 5.0        | 2.2            | 1.7                 | 2.1                  | 0.0              | 174 | 15.8 |
| 2016-03-25 04:44:47 | 37.084   | -97.727   | 5.0        | 1.9            | 3.2                 | 3.3                  | 0.0              | 260 | 15.6 |
| 2016-03-25 04:58:04 | 37.006   | -97.575   | 5.0        | 2.1            | 3.5                 | 2.6                  | 0.0              | 205 | 15.4 |
| 2016-03-25 05:18:34 | 37.418   | -98.904   | 5.0        | 1.2            | 2.3                 | 2.9                  | 0.0              | 169 | 12.4 |
| 2016-03-25 08:07:26 | 37.516   | -97.808   | 5.0        | 1.4            | 1.9                 | 1.4                  | 0.0              | 129 | 14.0 |
| 2016-03-25 13:22:33 | 37.555   | -97.827   | 5.0        | 1.3            | 3.9                 | 3.9                  | 0.0              | 194 | 13.7 |
| 2016-03-25 23:45:54 | 37.292   | -97.564   | 5.0        | 0.6            | 5.2                 | 6.2                  | 0.0              | 223 | 11.4 |
| 2016-03-26 01:06:05 | 38.788   | -97.435   | 5.0        | 2.1            | 2.3                 | 2.9                  | 0.0              | 281 | 13.4 |
| 2016-03-26 05:43:39 | 37.143   | -97.682   | 5.0        | 1.8            | 1.9                 | 1.5                  | 0.0              | 187 | 15.2 |
| 2016-03-26 11:47:43 | 37.131   | -97.677   | 5.0        | 1.4            | 2.8                 | 1.8                  | 0.0              | 197 | 14.0 |
| 2016-03-26 16:26:52 | 37.062   | -97.986   | 5.0        | 2.1            | 3.9                 | 3.2                  | 0.0              | 202 | 14.4 |
| 2016-03-26 22:14:55 | 37.009   | -97.591   | 5.0        | 1.4            | 1.6                 | 1.3                  | 0.0              | 229 | 13.0 |
| 2016-03-27 12:25:24 | 37.169   | -97.809   | 5.0        | 1.3            | 1.5                 | 1.5                  | 0.0              | 183 | 13.7 |
| 2016-03-27 16:23:02 | 37.096   | -98.072   | 5.0        | 1.5            | 1.2                 | 2.2                  | 0.0              | 276 | 14.3 |
| 2016-03-27 21:33:48 | 37.193   | -97.759   | 5.0        | 1.6            | 2.1                 | 2.1                  | 0.0              | 161 | 15.6 |
| 2016-03-27 22:01:30 | 37.119   | -97.557   | 5.0        | 1.3            | 2.8                 | 1.9                  | 0.0              | 197 | 12.7 |
| 2016-03-28 00:49:33 | 37.418   | -97.981   | 5.0        | 1.4            | 1.4                 | 1.6                  | 0.0              | 135 | 13.0 |
| 2016-03-28 03:44:30 | 37.211   | -97.605   | 5.0        | 1.5            | 1.7                 | 1.4                  | 0.0              | 170 | 14.3 |
| 2016-03-28 07:07:12 | 37.414   | -98.915   | 5.0        | 1.5            | 2.2                 | 3.1                  | 0.0              | 170 | 13.3 |
| 2016-03-28 07:21:11 | 37.322   | -97.490   | 5.0        | 1.2            | 0.7                 | 1.0                  | 0.0              | 161 | 12.4 |
| 2016-03-28 08:05:44 | 37.292   | -97.972   | 5.0        | 2.1            | 1.5                 | 1.3                  | 0.0              | 110 | 16.4 |
| 2016-03-28 08:26:03 | 37.341   | -97.780   | 5.0        | 1.4            | 0.8                 | 1.4                  | 0.0              | 125 | 13.0 |
| 2016-03-28 08:34:52 | 37.272   | -97.642   | 5.0        | 2.0            | 1.4                 | 1.7                  | 0.0              | 116 | 16.0 |
| 2016-03-28 09:30:20 | 37.133   | -98.051   | 5.0        | 2.0            | 2.2                 | 1.5                  | 0.0              | 179 | 16.0 |
| 2016-03-28 09:42:41 | 37.056   | -98.872   | 5.0        | 2.2            | 2.0                 | 1.4                  | 0.0              | 191 | 15.8 |
| 2016-03-28 10:34:24 | 37.208   | -97.738   | 5.0        | 1.9            | 1.5                 | 1.4                  | 0.0              | 147 | 15.6 |
| 2016-03-28 15:06:02 | 37.197   | -97.869   | 5.0        | 1.8            | 1.3                 | 1.2                  | 0.0              | 174 | 16.2 |
| 2016-03-28 15:07:34 | 37.224   | -97.877   | 5.0        | 1.4            | 2.5                 | 1.9                  | 0.0              | 158 | 14.0 |
| 2016-03-28 17:44:49 | 37.033   | -97.907   | 5.0        | 2.0            | 2.0                 | 1.3                  | 0.0              | 206 | 15.0 |
| 2016-03-29 01:42:30 | 37.261   | -97.896   | 5.0        | 2.0            | 1.8                 | 1.5                  | 0.0              | 239 | 17.0 |

| origin time (UTC)   | latitude | longitude | depth (km) | magnitude (MC) | latitude error (km) | longitude error (km) | depth error (km) | gap | SAS  |
|---------------------|----------|-----------|------------|----------------|---------------------|----------------------|------------------|-----|------|
| 2016-03-30 00:32:28 | 37.051   | -98.001   | 5.0        | 1.7            | 3.0                 | 2.8                  | 0.0              | 261 | 13.9 |
| 2016-03-30 04:14:46 | 37.168   | -97.825   | 5.0        | 1.1            | 1.7                 | 1.5                  | 0.0              | 186 | 15.2 |
| 2016-03-30 04:28:13 | 37.165   | -97.825   | 5.0        | 1.7            | 1.2                 | 1.0                  | 0.0              | 188 | 17.9 |
| 2016-03-30 06:12:20 | 37.580   | -97.810   | 5.0        | 1.6            | 0.9                 | 1.1                  | 0.0              | 162 | 17.6 |
| 2016-03-30 06:23:29 | 37.245   | -97.566   | 5.0        | 2.5            | 1.5                 | 2.0                  | 0.0              | 126 | 18.3 |
| 2016-03-30 07:10:21 | 37.150   | -97.841   | 5.0        | 1.5            | 1.5                 | 1.3                  | 0.0              | 199 | 17.3 |
| 2016-03-30 07:37:51 | 37.241   | -97.554   | 5.0        | 1.0            | 0.9                 | 1.4                  | 0.0              | 135 | 13.0 |
| 2016-03-30 08:18:11 | 37.166   | -97.840   | 5.0        | 1.2            | 1.7                 | 1.5                  | 0.0              | 189 | 16.4 |
| 2016-03-30 09:00:46 | 37.573   | -97.815   | 5.0        | 1.0            | 1.1                 | 1.3                  | 0.0              | 154 | 14.0 |
| 2016-03-30 11:10:46 | 37.574   | -97.832   | 5.0        | 2.6            | 1.8                 | 1.8                  | 0.0              | 131 | 19.8 |
| 2016-03-30 11:32:27 | 37.575   | -97.810   | 5.0        | 1.3            | 2.0                 | 2.2                  | 0.0              | 158 | 16.7 |
| 2016-03-30 11:41:21 | 37.251   | -97.560   | 5.0        | 2.0            | 1.5                 | 1.8                  | 0.0              | 129 | 18.0 |
| 2016-03-30 11:43:06 | 37.252   | -97.554   | 5.0        | 2.5            | 0.8                 | 1.0                  | 0.0              | 130 | 18.3 |
| 2016-03-30 11:49:36 | 37.201   | -97.876   | 5.0        | 1.5            | 1.4                 | 1.1                  | 0.0              | 182 | 17.3 |
| 2016-03-30 11:51:13 | 37.197   | -97.880   | 5.0        | 1.7            | 1.6                 | 1.5                  | 0.0              | 175 | 17.9 |
| 2016-03-30 12:56:37 | 37.576   | -97.814   | 5.0        | 2.1            | 0.8                 | 0.9                  | 0.0              | 135 | 18.4 |
| 2016-03-30 13:56:47 | 37.586   | -97.809   | 5.0        | 1.6            | 2.4                 | 2.1                  | 0.0              | 166 | 17.6 |
| 2016-03-30 17:13:35 | 37.591   | -97.815   | 5.0        | 1.9            | 1.5                 | 1.9                  | 0.0              | 142 | 18.6 |
| 2016-03-30 18:48:29 | 37.591   | -97.815   | 5.0        | 2.2            | 1.7                 | 1.9                  | 0.0              | 142 | 18.8 |
| 2016-03-30 19:28:18 | 37.569   | -97.807   | 5.0        | 1.9            | 1.6                 | 1.8                  | 0.0              | 133 | 18.6 |
| 2016-03-30 20:29:59 | 37.612   | -97.786   | 5.0        | 1.5            | 3.1                 | 2.3                  | 0.0              | 195 | 17.3 |
| 2016-03-31 00:45:11 | 37.030   | -97.786   | 5.0        | 1.5            | 2.2                 | 1.4                  | 0.0              | 233 | 15.3 |
| 2016-03-31 02:39:19 | 37.246   | -97.556   | 5.0        | 1.6            | 0.7                 | 0.8                  | 0.0              | 128 | 16.6 |
| 2016-03-31 05:21:32 | 37.244   | -97.551   | 5.0        | 1.3            | 0.8                 | 1.2                  | 0.0              | 135 | 15.7 |
| 2016-03-31 10:26:25 | 37.555   | -97.234   | 5.0        | 1.8            | 2.2                 | 3.0                  | 0.0              | 214 | 12.2 |
| 2016-03-31 15:54:02 | 37.343   | -97.778   | 5.0        | 1.6            | 0.6                 | 0.7                  | 0.0              | 140 | 14.6 |
| 2016-03-31 22:46:48 | 37.052   | -97.827   | 5.0        | 1.4            | 2.3                 | 1.4                  | 0.0              | 231 | 17.0 |
| 2016-04-01 01:54:49 | 37.098   | -97.953   | 5.0        | 1.2            | 3.1                 | 2.0                  | 0.0              | 225 | 12.4 |
| 2016-04-01 03:36:36 | 37.247   | -98.012   | 5.0        | 1.5            | 2.5                 | 2.1                  | 0.0              | 206 | 13.3 |
| 2016-04-01 04:03:37 | 37.017   | -98.014   | 5.0        | 1.6            | 2.4                 | 1.8                  | 0.0              | 238 | 13.6 |
| 2016-04-01 11:02:45 | 37.406   | -98.037   | 5.0        | 1.8            | 2.2                 | 1.7                  | 0.0              | 143 | 13.2 |
| 2016-04-01 12:18:29 | 37.200   | -98.742   | 5.0        | 1.4            | 3.6                 | 2.3                  | 0.0              | 191 | 13.0 |
| 2016-04-01 12:29:16 | 37.247   | -98.203   | 5.0        | 1.8            | 3.2                 | 2.0                  | 0.0              | 175 | 10.2 |
| 2016-04-01 16:35:02 | 37.324   | -97.502   | 5.0        | 2.1            | 1.7                 | 1.7                  | 0.0              | 154 | 15.4 |
| 2016-04-01 18:00:23 | 37.090   | -97.836   | 5.0        | 1.8            | 2.0                 | 1.9                  | 0.0              | 266 | 18.2 |
| 2016-04-01 21:00:05 | 37.060   | -98.179   | 5.0        | 1.7            | 4.8                 | 2.1                  | 0.0              | 205 | 11.9 |
| 2016-04-01 22:50:55 | 37.256   | -97.916   | 5.0        | 2.1            | 1.6                 | 1.5                  | 0.0              | 170 | 15.4 |
| 2016-04-02 02:07:09 | 37.301   | -97.506   | 5.0        | 1.4            | 2.5                 | 2.4                  | 0.0              | 139 | 17.0 |
| 2016-04-02 02:28:02 | 37.286   | -97.887   | 5.0        | 1.4            | 1.5                 | 1.9                  | 0.0              | 213 | 14.0 |
| 2016-04-02 03:58:25 | 37.282   | -97.824   | 5.0        | 1.2            | 1.3                 | 1.7                  | 0.0              | 138 | 14.4 |
| 2016-04-02 09:39:34 | 37.686   | -98.552   | 5.0        | 1.0            | 5.7                 | 3.1                  | 0.0              | 253 | 4.0  |
| 2016-04-02 10:33:10 | 37.248   | -97.560   | 5.0        | 0.9            | 0.6                 | 0.9                  | 0.0              | 139 | 15.8 |
| 2016-04-02 11:14:00 | 37.106   | -97.750   | 5.0        | 1.3            | 3.5                 | 4.7                  | 0.0              | 281 | 16.7 |
| 2016-04-02 11:55:46 | 37.077   | -97.730   | 5.0        | 1.3            | 3.4                 | 3.9                  | 0.0              | 282 | 16.7 |
| 2016-04-02 12:10:56 | 37.318   | -97.496   | 5.0        | 0.7            | 1.4                 | 1.8                  | 0.0              | 119 | 14.5 |
| 2016-04-02 14:25:31 | 37.466   | -97.892   | 5.0        | 0.8            | 5.7                 | 3.7                  | 0.0              | 189 | 11.6 |
| 2016-04-02 15:20:21 | 37.082   | -97.719   | 5.0        | 1.9            | 4.1                 | 2.5                  | 0.0              | 198 | 18.6 |
| 2016-04-02 17:48:21 | 37.407   | -97.431   | 5.0        | 1.7            | 2.1                 | 2.7                  | 0.0              | 198 | 5.9  |
| 2016-04-02 19:41:09 | 37.089   | -97.669   | 5.0        | 1.3            | 1.9                 | 2.2                  | 0.0              | 275 | 16.7 |

| origin time (UTC)   | latitude | longitude | depth (km) | magnitude (MC) | latitude error (km) | longitude error (km) | depth error (km) | gap | SAS  |
|---------------------|----------|-----------|------------|----------------|---------------------|----------------------|------------------|-----|------|
| 2016-04-02 23:26:16 | 37.045   | -97.749   | 5.0        | 2.4            | 3.1                 | 1.9                  | 0.0              | 194 | 19.8 |
| 2016-04-03 00:07:06 | 37.301   | -97.594   | 5.0        | 1.0            | 1.1                 | 0.9                  | 0.0              | 143 | 16.0 |
| 2016-04-03 00:47:06 | 37.076   | -97.719   | 5.0        | 1.7            | 2.7                 | 1.8                  | 0.0              | 199 | 17.9 |
| 2016-04-03 01:48:36 | 37.058   | -97.726   | 5.0        | 2.1            | 1.9                 | 1.3                  | 0.0              | 192 | 19.4 |
| 2016-04-03 02:02:29 | 37.049   | -97.730   | 5.0        | 1.7            | 4.9                 | 3.2                  | 0.0              | 204 | 17.9 |
| 2016-04-03 03:24:30 | 37.311   | -98.857   | 5.0        | 1.8            | 2.9                 | 2.5                  | 0.0              | 164 | 15.2 |
| 2016-04-03 03:29:44 | 37.297   | -97.605   | 5.0        | 1.0            | 0.7                 | 2.4                  | 0.0              | 163 | 16.0 |
| 2016-04-03 03:49:52 | 37.043   | -97.734   | 5.0        | 0.8            | 3.9                 | 4.4                  | 0.0              | 286 | 15.6 |
| 2016-04-03 04:19:31 | 37.218   | -98.195   | 5.0        | 2.1            | 4.1                 | 2.4                  | 0.0              | 168 | 12.4 |
| 2016-04-03 05:37:36 | 37.380   | -98.110   | 5.0        | 1.4            | 0.8                 | 2.6                  | 0.0              | 217 | 13.0 |
| 2016-04-03 06:06:50 | 37.022   | -97.745   | 5.0        | 1.3            | 2.2                 | 2.3                  | 0.0              | 270 | 16.7 |
| 2016-04-03 06:12:28 | 37.234   | -97.631   | 5.0        | 1.1            | 1.0                 | 3.0                  | 0.0              | 179 | 15.2 |
| 2016-04-03 06:54:16 | 37.338   | -97.513   | 5.0        | 1.2            | 5.2                 | 6.1                  | 0.0              | 188 | 15.4 |
| 2016-04-03 06:58:47 | 37.314   | -98.852   | 5.0        | 1.4            | 2.6                 | 2.1                  | 0.0              | 142 | 15.0 |
| 2016-04-03 07:38:38 | 37.311   | -98.866   | 5.0        | 1.2            | 3.8                 | 3.1                  | 0.0              | 140 | 13.4 |
| 2016-04-03 08:17:04 | 37.428   | -98.944   | 5.0        | 2.0            | 1.9                 | 2.2                  | 0.0              | 179 | 16.0 |
| 2016-04-03 09:12:00 | 37.268   | -98.111   | 5.0        | 1.9            | 1.2                 | 2.9                  | 0.0              | 239 | 15.6 |
| 2016-04-03 09:12:06 | 37.445   | -98.946   | 5.0        | 1.9            | 1.8                 | 3.2                  | 0.0              | 183 | 15.6 |
| 2016-04-03 14:52:39 | 37.204   | -97.999   | 5.0        | 2.2            | 2.6                 | 1.8                  | 0.0              | 169 | 15.8 |
| 2016-04-03 15:20:14 | 37.039   | -97.731   | 5.0        | 1.8            | 3.1                 | 1.7                  | 0.0              | 206 | 18.2 |
| 2016-04-03 16:32:54 | 37.129   | -97.281   | 5.0        | 0.6            | 1.5                 | 0.9                  | 0.0              | 183 | 11.4 |
| 2016-04-03 16:54:51 | 37.045   | -97.729   | 5.0        | 2.1            | 3.2                 | 2.1                  | 0.0              | 194 | 19.4 |
| 2016-04-03 17:09:21 | 37.137   | -97.619   | 5.0        | 1.5            | 2.4                 | 2.7                  | 0.0              | 219 | 14.3 |
| 2016-04-03 17:37:53 | 37.261   | -97.320   | 5.0        | 0.8            | 3.1                 | 3.1                  | 0.0              | 182 | 3.6  |
| 2016-04-04 01:52:30 | 37.065   | -97.729   | 5.0        | 2.2            | 3.3                 | 2.2                  | 0.0              | 201 | 19.8 |
| 2016-04-04 02:34:15 | 37.045   | -97.735   | 5.0        | 2.3            | 3.0                 | 2.1                  | 0.0              | 194 | 20.3 |
| 2016-04-04 10:07:02 | 37.043   | -97.735   | 5.0        | 2.1            | 2.9                 | 1.7                  | 0.0              | 194 | 19.4 |
| 2016-04-04 12:34:14 | 38.747   | -97.559   | 5.0        | 2.5            | 4.7                 | 5.2                  | 0.0              | 277 | 9.3  |
| 2016-04-04 12:36:13 | 38.755   | -97.475   | 5.0        | 1.9            | 3.0                 | 3.5                  | 0.0              | 278 | 13.6 |
| 2016-04-04 12:58:20 | 37.638   | -97.095   | 5.0        | 1.7            | 2.6                 | 3.9                  | 0.0              | 234 | 5.9  |
| 2016-04-04 17:13:06 | 37.058   | -97.733   | 5.0        | 2.0            | 2.4                 | 1.8                  | 0.0              | 202 | 19.0 |
| 2016-04-04 19:02:47 | 37.351   | -97.790   | 5.0        | 1.7            | 2.8                 | 2.7                  | 0.0              | 127 | 13.9 |
| 2016-04-04 20:19:22 | 37.503   | -97.849   | 5.0        | 1.2            | 1.5                 | 1.7                  | 0.0              | 124 | 12.4 |
| 2016-04-05 04:06:27 | 37.386   | -98.903   | 5.0        | 1.4            | 4.2                 | 6.3                  | 0.0              | 162 | 13.0 |
| 2016-04-05 05:21:54 | 37.390   | -98.106   | 5.0        | 1.7            | 1.4                 | 1.4                  | 0.0              | 92  | 14.9 |
| 2016-04-05 07:00:48 | 37.159   | -97.971   | 5.0        | 1.5            | 2.8                 | 2.4                  | 0.0              | 220 | 14.3 |
| 2016-04-05 09:42:44 | 37.087   | -97.482   | 5.0        | 1.5            | 5.5                 | 4.0                  | 0.0              | 248 | 9.3  |
| 2016-04-05 10:52:35 | 37.385   | -98.131   | 5.0        | 1.4            | 1.5                 | 4.7                  | 0.0              | 225 | 14.0 |
| 2016-04-05 12:21:53 | 38.769   | -97.424   | 5.0        | 1.9            | 5.3                 | 6.4                  | 0.0              | 280 | 14.6 |
| 2016-04-05 12:53:34 | 38.851   | -97.453   | 5.0        | 1.6            | 5.6                 | 4.9                  | 0.0              | 301 | 10.6 |
| 2016-04-05 13:08:34 | 37.209   | -98.018   | 5.0        | 1.9            | 3.0                 | 2.0                  | 0.0              | 168 | 15.6 |
| 2016-04-05 15:43:13 | 37.058   | -97.723   | 5.0        | 2.0            | 3.9                 | 2.6                  | 0.0              | 192 | 17.0 |
| 2016-04-05 15:50:15 | 37.085   | -97.720   | 5.0        | 1.8            | 3.5                 | 2.0                  | 0.0              | 197 | 16.2 |
| 2016-04-06 00:57:26 | 37.112   | -97.629   | 5.0        | 1.2            | 5.1                 | 3.4                  | 0.0              | 201 | 12.4 |
| 2016-04-06 10:00:03 | 38.955   | -96.935   | 5.0        | 1.9            | 11.3                | 13.2                 | 0.0              | 296 | 6.6  |
| 2016-04-07 02:43:47 | 37.112   | -97.844   | 5.0        | 1.7            | 2.5                 | 1.6                  | 0.0              | 215 | 16.9 |
| 2016-04-07 03:25:36 | 37.038   | -98.078   | 5.0        | 1.4            | 5.3                 | 7.0                  | 0.0              | 281 | 13.0 |
| 2016-04-07 07:03:35 | 37.431   | -97.860   | 5.0        | 1.3            | 0.8                 | 1.1                  | 0.0              | 164 | 12.7 |
| 2016-04-07 08:19:53 | 37.079   | -97.858   | 5.0        | 1.5            | 2.4                 | 1.5                  | 0.0              | 199 | 15.3 |

| origin time (UTC)   | latitude | longitude | depth (km) | magnitude (MC) | latitude error (km) | longitude error (km) | depth error (km) | gap | SAS  |
|---------------------|----------|-----------|------------|----------------|---------------------|----------------------|------------------|-----|------|
| 2016-04-07 10:27:46 | 37.039   | -97.730   | 5.0        | 2.2            | 3.7                 | 1.9                  | 0.0              | 195 | 15.8 |
| 2016-04-07 10:39:24 | 37.059   | -97.724   | 5.0        | 1.5            | 3.2                 | 1.9                  | 0.0              | 221 | 13.3 |
| 2016-04-07 10:55:41 | 37.299   | -97.624   | 5.0        | 0.9            | 1.5                 | 1.8                  | 0.0              | 91  | 11.8 |
| 2016-04-07 11:26:38 | 37.174   | -97.832   | 5.0        | 1.4            | 1.8                 | 1.3                  | 0.0              | 183 | 14.0 |
| 2016-04-07 13:33:11 | 37.022   | -97.552   | 5.0        | 1.1            | 2.1                 | 0.9                  | 0.0              | 226 | 12.2 |
| 2016-04-08 00:55:24 | 37.290   | -97.622   | 5.0        | 2.0            | 4.6                 | 3.6                  | 0.0              | 149 | 15.0 |
| 2016-04-08 02:06:31 | 37.067   | -97.881   | 5.0        | 1.5            | 1.8                 | 1.0                  | 0.0              | 201 | 15.3 |
| 2016-04-08 04:28:26 | 37.191   | -97.551   | 5.0        | 1.6            | 3.2                 | 3.2                  | 0.0              | 226 | 13.6 |
| 2016-04-08 06:57:22 | 37.327   | -97.777   | 5.0        | 1.8            | 2.1                 | 1.6                  | 0.0              | 149 | 17.2 |
| 2016-04-08 07:05:56 | 37.329   | -97.801   | 5.0        | 1.8            | 1.6                 | 1.4                  | 0.0              | 149 | 18.2 |
| 2016-04-08 07:37:29 | 37.540   | -97.902   | 5.0        | 1.3            | 2.2                 | 2.1                  | 0.0              | 128 | 12.7 |
| 2016-04-08 07:55:39 | 37.340   | -97.792   | 5.0        | 1.7            | 1.6                 | 1.4                  | 0.0              | 147 | 16.9 |
| 2016-04-08 08:09:22 | 37.335   | -97.795   | 5.0        | 2.0            | 1.5                 | 1.3                  | 0.0              | 148 | 17.0 |
| 2016-04-08 20:19:16 | 37.083   | -97.760   | 5.0        | 1.8            | 6.7                 | 7.4                  | 0.0              | 262 | 18.2 |
| 2016-04-08 20:30:38 | 37.277   | -97.887   | 5.0        | 2.3            | 2.3                 | 1.6                  | 0.0              | 179 | 17.3 |
| 2016-04-09 00:29:52 | 37.148   | -97.673   | 5.0        | 2.1            | 1.5                 | 1.1                  | 0.0              | 192 | 18.4 |
| 2016-04-09 01:38:06 | 37.141   | -97.676   | 5.0        | 1.7            | 1.8                 | 1.5                  | 0.0              | 189 | 17.9 |
| 2016-04-09 02:50:55 | 37.141   | -97.677   | 5.0        | 1.5            | 2.0                 | 1.7                  | 0.0              | 190 | 17.3 |
| 2016-04-09 03:25:23 | 37.132   | -97.674   | 5.0        | 1.7            | 2.8                 | 2.3                  | 0.0              | 197 | 17.9 |
| 2016-04-09 03:28:34 | 37.133   | -97.668   | 5.0        | 1.8            | 2.2                 | 1.6                  | 0.0              | 188 | 18.2 |
| 2016-04-09 03:51:03 | 37.070   | -97.723   | 5.0        | 1.6            | 2.8                 | 1.8                  | 0.0              | 218 | 17.6 |
| 2016-04-09 04:01:40 | 37.127   | -97.676   | 5.0        | 1.5            | 2.6                 | 1.9                  | 0.0              | 198 | 17.3 |
| 2016-04-09 04:13:04 | 37.137   | -97.681   | 5.0        | 2.1            | 2.2                 | 1.4                  | 0.0              | 178 | 18.4 |
| 2016-04-09 04:38:00 | 37.145   | -97.661   | 5.0        | 1.3            | 2.0                 | 1.6                  | 0.0              | 180 | 16.7 |
| 2016-04-09 04:39:18 | 37.131   | -97.673   | 5.0        | 1.4            | 1.9                 | 1.6                  | 0.0              | 197 | 17.0 |
| 2016-04-09 04:47:23 | 37.124   | -97.691   | 5.0        | 1.4            | 3.1                 | 2.0                  | 0.0              | 200 | 17.0 |
| 2016-04-09 04:48:38 | 37.127   | -97.676   | 5.0        | 1.3            | 1.6                 | 1.1                  | 0.0              | 198 | 16.7 |
| 2016-04-09 05:06:37 | 37.134   | -97.674   | 5.0        | 1.2            | 1.4                 | 1.2                  | 0.0              | 199 | 16.4 |
| 2016-04-09 05:42:39 | 37.389   | -97.170   | 5.0        | 1.7            | 2.2                 | 3.7                  | 0.0              | 243 | 5.9  |
| 2016-04-09 06:32:16 | 37.130   | -97.674   | 5.0        | 0.6            | 1.5                 | 1.1                  | 0.0              | 204 | 13.4 |
| 2016-04-09 06:39:19 | 37.262   | -97.869   | 5.0        | 1.2            | 1.6                 | 2.0                  | 0.0              | 135 | 12.4 |
| 2016-04-09 07:46:41 | 37.408   | -98.022   | 5.0        | 1.5            | 1.0                 | 2.2                  | 0.0              | 182 | 13.3 |
| 2016-04-09 07:53:06 | 37.135   | -97.684   | 5.0        | 2.3            | 2.6                 | 1.8                  | 0.0              | 196 | 20.3 |
| 2016-04-09 18:04:51 | 37.148   | -97.676   | 5.0        | 1.6            | 3.1                 | 2.9                  | 0.0              | 180 | 17.6 |
| 2016-04-09 19:20:30 | 37.137   | -97.667   | 5.0        | 1.3            | 1.4                 | 1.1                  | 0.0              | 195 | 16.7 |
| 2016-04-09 19:39:57 | 37.143   | -97.663   | 5.0        | 2.2            | 2.1                 | 1.9                  | 0.0              | 184 | 18.8 |
| 2016-04-10 01:32:19 | 37.132   | -97.671   | 5.0        | 0.8            | 1.6                 | 2.8                  | 0.0              | 275 | 15.6 |
| 2016-04-10 02:42:58 | 37.144   | -97.669   | 5.0        | 0.8            | 2.9                 | 4.1                  | 0.0              | 258 | 15.6 |
| 2016-04-10 02:44:00 | 37.136   | -97.666   | 5.0        | 2.1            | 2.3                 | 1.7                  | 0.0              | 187 | 18.4 |
| 2016-04-10 04:10:28 | 37.136   | -97.665   | 5.0        | 1.4            | 1.6                 | 1.1                  | 0.0              | 195 | 17.0 |
| 2016-04-10 04:11:56 | 37.127   | -97.659   | 5.0        | 1.8            | 3.1                 | 2.0                  | 0.0              | 198 | 18.2 |
| 2016-04-10 04:36:19 | 37.133   | -97.655   | 5.0        | 1.1            | 1.3                 | 1.1                  | 0.0              | 201 | 16.2 |
| 2016-04-10 04:53:44 | 37.137   | -97.668   | 5.0        | 2.1            | 2.4                 | 1.9                  | 0.0              | 194 | 18.4 |
| 2016-04-10 10:35:51 | 37.020   | -97.639   | 5.0        | 1.8            | 4.9                 | 4.5                  | 0.0              | 266 | 16.2 |
| 2016-04-10 11:39:22 | 37.057   | -97.926   | 5.0        | 1.4            | 3.1                 | 2.2                  | 0.0              | 244 | 13.0 |
| 2016-04-10 13:26:39 | 37.038   | -97.736   | 5.0        | 1.5            | 4.6                 | 3.4                  | 0.0              | 240 | 14.3 |
| 2016-04-10 14:12:07 | 37.080   | -99.056   | 5.0        | 2.0            | 2.2                 | 1.4                  | 0.0              | 189 | 7.0  |
| 2016-04-10 20:14:40 | 37.151   | -97.664   | 5.0        | 1.5            | 2.9                 | 2.7                  | 0.0              | 171 | 17.3 |
| 2016-04-10 20:33:41 | 37.048   | -97.727   | 5.0        | 2.1            | 2.6                 | 1.4                  | 0.0              | 194 | 17.4 |

| origin time (UTC)   | latitude | longitude | depth (km) | magnitude (MC) | latitude error (km) | longitude error (km) | depth error (km) | gap | SAS  |
|---------------------|----------|-----------|------------|----------------|---------------------|----------------------|------------------|-----|------|
| 2016-04-10 21:24:16 | 37.025   | -97.508   | 5.0        | 1.6            | 2.0                 | 1.2                  | 0.0              | 253 | 13.6 |
| 2016-04-10 21:30:01 | 37.112   | -97.667   | 5.0        | 1.6            | 1.9                 | 1.2                  | 0.0              | 203 | 17.6 |
| 2016-04-10 22:30:04 | 37.130   | -97.680   | 5.0        | 1.4            | 2.1                 | 1.5                  | 0.0              | 205 | 17.0 |
| 2016-04-10 22:36:14 | 37.384   | -98.124   | 5.0        | 1.9            | 1.1                 | 3.6                  | 0.0              | 222 | 16.6 |
| 2016-04-10 22:49:34 | 37.390   | -98.137   | 5.0        | 2.0            | 1.4                 | 2.0                  | 0.0              | 97  | 17.0 |
| 2016-04-10 22:57:57 | 37.383   | -98.132   | 5.0        | 1.7            | 1.5                 | 3.9                  | 0.0              | 225 | 15.9 |
| 2016-04-11 02:16:40 | 37.298   | -97.621   | 5.0        | 1.3            | 0.7                 | 1.7                  | 0.0              | 190 | 12.7 |
| 2016-04-11 07:08:07 | 37.132   | -97.666   | 5.0        | 1.9            | 2.5                 | 1.8                  | 0.0              | 188 | 17.6 |
| 2016-04-11 12:05:53 | 37.546   | -97.159   | 5.0        | 1.9            | 3.6                 | 4.9                  | 0.0              | 258 | 12.6 |
| 2016-04-12 00:12:05 | 37.069   | -98.837   | 5.0        | 1.8            | 2.6                 | 2.2                  | 0.0              | 251 | 14.2 |
| 2016-04-12 00:17:28 | 37.189   | -97.966   | 5.0        | 1.5            | 1.8                 | 1.0                  | 0.0              | 182 | 14.3 |
| 2016-04-12 02:51:05 | 37.255   | -97.631   | 5.0        | 1.4            | 1.9                 | 2.5                  | 0.0              | 244 | 13.0 |
| 2016-04-12 03:56:14 | 37.109   | -97.972   | 5.0        | 1.9            | 2.6                 | 1.8                  | 0.0              | 182 | 15.6 |
| 2016-04-12 06:38:57 | 37.074   | -97.555   | 5.0        | 1.2            | 3.3                 | 2.6                  | 0.0              | 253 | 12.4 |
| 2016-04-12 07:28:08 | 37.333   | -97.782   | 5.0        | 2.0            | 1.2                 | 1.1                  | 0.0              | 148 | 15.0 |
| 2016-04-12 14:14:47 | 37.026   | -97.737   | 5.0        | 1.7            | 2.6                 | 2.0                  | 0.0              | 208 | 15.9 |
| 2016-04-12 21:03:56 | 37.086   | -97.780   | 5.0        | 1.7            | 3.9                 | 2.8                  | 0.0              | 197 | 16.9 |
| 2016-04-13 04:17:00 | 37.056   | -97.819   | 5.0        | 1.2            | 5.0                 | 4.8                  | 0.0              | 202 | 14.4 |
| 2016-04-13 05:32:49 | 37.076   | -98.855   | 5.0        | 1.8            | 1.8                 | 2.0                  | 0.0              | 263 | 15.2 |
| 2016-04-13 07:26:18 | 37.098   | -98.884   | 5.0        | 1.4            | 3.0                 | 2.4                  | 0.0              | 219 | 14.0 |
| 2016-04-13 07:28:32 | 37.077   | -97.855   | 5.0        | 2.0            | 2.0                 | 1.4                  | 0.0              | 188 | 16.0 |
| 2016-04-13 07:57:03 | 37.419   | -99.196   | 5.0        | 1.2            | 2.0                 | 2.7                  | 0.0              | 223 | 4.4  |
| 2016-04-13 12:43:46 | 37.135   | -97.648   | 5.0        | 1.5            | 1.8                 | 1.4                  | 0.0              | 188 | 13.3 |
| 2016-04-13 22:39:32 | 37.320   | -97.276   | 5.0        | 1.8            | 3.2                 | 4.3                  | 0.0              | 210 | 8.2  |
| 2016-04-14 08:31:21 | 38.977   | -99.770   | 5.0        | 2.2            | 6.5                 | 6.9                  | 0.0              | 302 | 7.8  |
| 2016-04-14 09:27:30 | 37.030   | -97.930   | 5.0        | 2.0            | 2.2                 | 1.5                  | 0.0              | 194 | 16.0 |
| 2016-04-14 09:57:28 | 38.783   | -97.535   | 5.0        | 1.8            | 2.5                 | 2.7                  | 0.0              | 280 | 14.2 |
| 2016-04-14 10:29:01 | 38.831   | -97.497   | 5.0        | 1.9            | 2.6                 | 2.8                  | 0.0              | 284 | 16.6 |
| 2016-04-14 11:27:30 | 38.857   | -97.509   | 5.0        | 2.2            | 2.2                 | 2.3                  | 0.0              | 286 | 15.8 |
| 2016-04-14 15:12:40 | 37.088   | -97.751   | 5.0        | 1.4            | 3.9                 | 2.6                  | 0.0              | 197 | 17.0 |
| 2016-04-14 18:44:46 | 37.101   | -97.755   | 5.0        | 1.2            | 2.1                 | 2.3                  | 0.0              | 259 | 16.4 |
| 2016-04-14 19:09:16 | 37.132   | -97.686   | 5.0        | 1.7            | 2.8                 | 2.1                  | 0.0              | 188 | 17.9 |
| 2016-04-14 19:22:04 | 37.075   | -97.873   | 5.0        | 1.6            | 5.6                 | 3.2                  | 0.0              | 199 | 15.6 |
| 2016-04-14 20:42:19 | 37.081   | -97.692   | 5.0        | 1.5            | 2.7                 | 1.9                  | 0.0              | 221 | 17.3 |
| 2016-04-14 20:44:14 | 37.123   | -97.697   | 5.0        | 2.2            | 2.5                 | 1.7                  | 0.0              | 181 | 17.8 |
| 2016-04-14 22:21:25 | 37.079   | -97.737   | 5.0        | 1.7            | 3.8                 | 3.9                  | 0.0              | 261 | 17.9 |
| 2016-04-14 22:23:51 | 37.111   | -97.705   | 5.0        | 2.0            | 2.1                 | 1.7                  | 0.0              | 192 | 19.0 |
| 2016-04-14 22:39:07 | 37.186   | -97.596   | 5.0        | 1.6            | 1.9                 | 2.4                  | 0.0              | 251 | 14.6 |
| 2016-04-15 00:37:14 | 37.156   | -97.594   | 5.0        | 1.1            | 3.2                 | 2.2                  | 0.0              | 187 | 13.2 |
| 2016-04-15 02:47:11 | 37.018   | -97.337   | 5.0        | 1.1            | 3.0                 | 1.3                  | 0.0              | 246 | 4.2  |
| 2016-04-15 02:48:50 | 37.124   | -97.685   | 5.0        | 2.0            | 1.4                 | 1.0                  | 0.0              | 200 | 19.0 |
| 2016-04-15 03:04:49 | 37.132   | -97.854   | 5.0        | 2.2            | 2.3                 | 1.3                  | 0.0              | 179 | 14.8 |
| 2016-04-15 03:32:53 | 37.104   | -97.712   | 5.0        | 1.7            | 2.1                 | 1.6                  | 0.0              | 207 | 17.9 |
| 2016-04-15 08:15:02 | 37.142   | -97.837   | 5.0        | 1.4            | 1.3                 | 1.1                  | 0.0              | 203 | 16.0 |
| 2016-04-15 09:26:20 | 37.633   | -97.779   | 5.0        | 1.5            | 1.8                 | 2.0                  | 0.0              | 212 | 13.3 |
| 2016-04-15 19:49:53 | 37.268   | -97.534   | 5.0        | 1.6            | 1.8                 | 1.6                  | 0.0              | 150 | 13.6 |
| 2016-04-15 23:46:56 | 37.139   | -97.841   | 5.0        | 1.6            | 1.8                 | 1.4                  | 0.0              | 205 | 14.6 |
| 2016-04-17 06:21:11 | 37.331   | -98.257   | 5.0        | 1.1            | 4.3                 | 3.1                  | 0.0              | 198 | 6.2  |
| 2016-04-17 07:12:14 | 37.068   | -98.210   | 5.0        | 1.4            | 4.3                 | 1.7                  | 0.0              | 208 | 9.0  |

| origin time (UTC)   | latitude | longitude | depth (km) | magnitude (MC) | latitude error (km) | longitude error (km) | depth error (km) | gap | SAS  |
|---------------------|----------|-----------|------------|----------------|---------------------|----------------------|------------------|-----|------|
| 2016-04-17 10:10:46 | 37.017   | -97.559   | 5.0        | 1.0            | 1.8                 | 1.1                  | 0.0              | 227 | 12.0 |
| 2016-04-17 11:52:40 | 37.535   | -97.363   | 5.0        | 1.6            | 1.7                 | 3.2                  | 0.0              | 280 | 5.6  |
| 2016-04-17 20:43:32 | 37.172   | -97.881   | 5.0        | 2.1            | 1.3                 | 1.0                  | 0.0              | 183 | 15.4 |
| 2016-04-18 01:18:22 | 37.202   | -97.827   | 5.0        | 1.3            | 1.4                 | 1.3                  | 0.0              | 166 | 12.7 |
| 2016-04-18 02:18:04 | 37.300   | -97.637   | 5.0        | 1.0            | 0.6                 | 1.3                  | 0.0              | 177 | 13.0 |
| 2016-04-18 02:36:58 | 37.061   | -97.959   | 5.0        | 1.7            | 4.0                 | 2.5                  | 0.0              | 231 | 14.9 |
| 2016-04-18 05:16:10 | 37.295   | -97.923   | 5.0        | 1.5            | 1.5                 | 1.4                  | 0.0              | 161 | 13.3 |
| 2016-04-18 06:26:51 | 37.071   | -97.897   | 5.0        | 1.4            | 2.0                 | 1.3                  | 0.0              | 235 | 14.0 |
| 2016-04-18 12:10:15 | 37.244   | -97.621   | 5.0        | 0.8            | 1.7                 | 2.1                  | 0.0              | 116 | 12.6 |
| 2016-04-18 17:45:30 | 37.561   | -97.824   | 5.0        | 1.2            | 1.3                 | 1.6                  | 0.0              | 143 | 12.4 |
| 2016-04-18 19:46:10 | 37.154   | -97.629   | 5.0        | 1.2            | 2.2                 | 3.4                  | 0.0              | 200 | 12.4 |
| 2016-04-19 08:51:29 | 37.094   | -97.430   | 5.0        | 1.2            | 6.0                 | 2.6                  | 0.0              | 204 | 6.4  |
| 2016-04-19 09:01:17 | 37.045   | -97.556   | 5.0        | 2.6            | 1.3                 | 0.9                  | 0.0              | 198 | 18.8 |
| 2016-04-19 14:26:07 | 37.281   | -97.612   | 5.0        | 1.1            | 1.0                 | 1.7                  | 0.0              | 167 | 13.2 |
| 2016-04-19 17:26:29 | 37.035   | -97.458   | 5.0        | 2.2            | 4.1                 | 2.8                  | 0.0              | 205 | 16.8 |
| 2016-04-19 19:37:32 | 37.329   | -97.583   | 5.0        | 1.2            | 1.1                 | 1.6                  | 0.0              | 160 | 13.4 |
| 2016-04-20 14:15:42 | 37.094   | -97.500   | 5.0        | 1.3            | 3.3                 | 2.7                  | 0.0              | 247 | 13.7 |
| 2016-04-20 16:49:09 | 37.002   | -97.560   | 5.0        | 1.6            | 4.4                 | 2.6                  | 0.0              | 216 | 14.6 |
| 2016-04-20 19:57:54 | 37.076   | -97.579   | 5.0        | 1.4            | 1.6                 | 0.9                  | 0.0              | 200 | 15.0 |
| 2016-04-21 01:43:11 | 37.429   | -98.890   | 5.0        | 2.2            | 1.4                 | 1.8                  | 0.0              | 153 | 15.8 |
| 2016-04-21 02:55:28 | 37.173   | -97.991   | 5.0        | 1.5            | 2.3                 | 1.5                  | 0.0              | 173 | 13.3 |
| 2016-04-21 09:19:51 | 37.055   | -97.725   | 5.0        | 1.0            | 3.9                 | 2.5                  | 0.0              | 222 | 12.0 |
| 2016-04-21 09:45:55 | 37.173   | -97.878   | 5.0        | 1.1            | 2.1                 | 1.5                  | 0.0              | 189 | 13.2 |
| 2016-04-21 10:53:04 | 37.427   | -98.955   | 5.0        | 1.7            | 1.9                 | 2.4                  | 0.0              | 181 | 13.9 |
| 2016-04-21 18:38:22 | 37.141   | -97.841   | 5.0        | 2.4            | 1.8                 | 1.2                  | 0.0              | 178 | 15.8 |
| 2016-04-21 18:43:14 | 37.139   | -97.835   | 5.0        | 1.6            | 1.0                 | 0.8                  | 0.0              | 205 | 14.6 |
| 2016-04-22 06:34:12 | 37.219   | -97.599   | 5.0        | 2.0            | 2.9                 | 2.5                  | 0.0              | 162 | 19.0 |
| 2016-04-22 06:37:24 | 37.296   | -97.625   | 5.0        | 1.1            | 2.1                 | 2.8                  | 0.0              | 212 | 13.2 |
| 2016-04-22 06:38:11 | 37.213   | -97.598   | 5.0        | 1.8            | 2.3                 | 1.9                  | 0.0              | 163 | 18.2 |
| 2016-04-22 06:43:41 | 37.216   | -97.594   | 5.0        | 2.0            | 2.8                 | 2.3                  | 0.0              | 170 | 19.0 |
| 2016-04-22 06:48:56 | 37.215   | -97.611   | 5.0        | 1.5            | 3.2                 | 3.8                  | 0.0              | 227 | 17.3 |
| 2016-04-22 06:54:47 | 37.073   | -98.623   | 5.0        | 1.5            | 1.6                 | 1.1                  | 0.0              | 232 | 5.3  |
| 2016-04-22 08:05:07 | 37.217   | -97.602   | 5.0        | 1.8            | 2.4                 | 1.9                  | 0.0              | 162 | 18.2 |
| 2016-04-22 15:39:25 | 37.181   | -97.630   | 5.0        | 1.2            | 3.4                 | 5.1                  | 0.0              | 257 | 14.4 |
| 2016-04-22 16:30:15 | 37.135   | -97.707   | 5.0        | 1.9            | 1.5                 | 1.3                  | 0.0              | 188 | 16.6 |
| 2016-04-22 17:05:26 | 37.009   | -97.575   | 5.0        | 1.6            | 1.5                 | 0.9                  | 0.0              | 214 | 13.6 |
| 2016-04-22 17:53:06 | 37.132   | -97.678   | 5.0        | 1.5            | 2.6                 | 2.0                  | 0.0              | 188 | 16.3 |
| 2016-04-22 23:12:41 | 37.070   | -97.450   | 5.0        | 1.4            | 4.2                 | 2.8                  | 0.0              | 205 | 14.0 |
| 2016-04-23 01:59:16 | 37.095   | -97.689   | 5.0        | 1.1            | 1.5                 | 1.0                  | 0.0              | 209 | 13.2 |
| 2016-04-23 03:13:05 | 37.598   | -97.764   | 5.0        | 1.8            | 2.0                 | 2.2                  | 0.0              | 159 | 15.2 |
| 2016-04-23 03:46:03 | 37.052   | -97.446   | 5.0        | 1.7            | 5.6                 | 3.1                  | 0.0              | 219 | 14.9 |
| 2016-04-23 04:05:03 | 37.070   | -97.921   | 5.0        | 2.3            | 2.1                 | 1.5                  | 0.0              | 188 | 16.3 |
| 2016-04-23 04:41:47 | 37.251   | -98.879   | 5.0        | 1.4            | 3.4                 | 2.5                  | 0.0              | 156 | 12.0 |
| 2016-04-23 05:28:27 | 37.275   | -98.899   | 5.0        | 1.4            | 1.9                 | 1.6                  | 0.0              | 173 | 14.0 |
| 2016-04-23 07:16:44 | 37.313   | -97.608   | 5.0        | 0.8            | 1.9                 | 2.6                  | 0.0              | 163 | 11.6 |
| 2016-04-23 08:08:16 | 37.121   | -97.806   | 5.0        | 1.8            | 4.7                 | 3.1                  | 0.0              | 191 | 16.2 |
| 2016-04-23 08:30:39 | 37.526   | -97.136   | 5.0        | 1.6            | 2.8                 | 3.7                  | 0.0              | 260 | 9.6  |
| 2016-04-23 10:56:09 | 37.196   | -97.881   | 5.0        | 2.3            | 2.1                 | 1.4                  | 0.0              | 170 | 17.3 |
| 2016-04-23 11:10:07 | 37.217   | -97.866   | 5.0        | 1.1            | 2.2                 | 1.9                  | 0.0              | 174 | 16.2 |



| origin time (UTC)   | latitude | longitude | depth (km) | magnitude (MC) | latitude error (km) | longitude error (km) | depth error (km) | gap | SAS  |
|---------------------|----------|-----------|------------|----------------|---------------------|----------------------|------------------|-----|------|
| 2016-04-23 11:47:28 | 37.596   | -97.770   | 5.0        | 1.2            | 2.1                 | 2.1                  | 0.0              | 190 | 13.4 |
| 2016-04-23 12:16:37 | 37.192   | -97.865   | 5.0        | 0.8            | 1.3                 | 0.8                  | 0.0              | 186 | 15.6 |
| 2016-04-23 12:30:27 | 37.180   | -97.861   | 5.0        | 1.5            | 1.7                 | 1.1                  | 0.0              | 191 | 17.3 |
| 2016-04-23 13:51:43 | 37.195   | -97.873   | 5.0        | 1.8            | 2.2                 | 1.6                  | 0.0              | 170 | 16.2 |
| 2016-04-23 14:08:40 | 37.200   | -97.866   | 5.0        | 1.1            | 1.7                 | 1.1                  | 0.0              | 183 | 16.2 |
| 2016-04-23 14:20:08 | 37.191   | -97.861   | 5.0        | 1.1            | 2.6                 | 2.2                  | 0.0              | 186 | 16.2 |
| 2016-04-23 19:20:07 | 37.036   | -98.113   | 5.0        | 1.9            | 1.9                 | 1.0                  | 0.0              | 207 | 14.6 |
| 2016-04-24 01:06:41 | 37.377   | -98.016   | 5.0        | 1.7            | 1.3                 | 0.8                  | 0.0              | 153 | 13.9 |
| 2016-04-24 01:47:27 | 37.234   | -97.504   | 5.0        | 1.1            | 4.3                 | 3.7                  | 0.0              | 159 | 12.2 |
| 2016-04-24 02:04:37 | 37.566   | -97.744   | 5.0        | 1.4            | 1.5                 | 1.4                  | 0.0              | 177 | 16.0 |
| 2016-04-24 04:18:09 | 37.207   | -97.867   | 5.0        | 1.0            | 0.9                 | 0.6                  | 0.0              | 179 | 16.0 |
| 2016-04-24 04:53:53 | 37.440   | -97.807   | 5.0        | 1.0            | 2.5                 | 3.0                  | 0.0              | 112 | 12.0 |
| 2016-04-24 07:30:45 | 37.615   | -98.541   | 5.0        | 1.9            | 3.2                 | 1.8                  | 0.0              | 164 | 8.6  |
| 2016-04-24 15:11:46 | 37.556   | -97.748   | 5.0        | 1.3            | 1.1                 | 1.1                  | 0.0              | 163 | 13.7 |
| 2016-04-24 21:37:08 | 37.297   | -97.609   | 5.0        | 1.1            | 1.0                 | 1.0                  | 0.0              | 144 | 12.2 |
| 2016-04-25 01:06:42 | 37.221   | -97.954   | 5.0        | 1.7            | 3.1                 | 1.9                  | 0.0              | 176 | 14.9 |
| 2016-04-25 03:13:17 | 37.090   | -97.160   | 5.0        | 1.9            | 4.1                 | 2.5                  | 0.0              | 316 | 6.6  |
| 2016-04-25 06:04:24 | 37.187   | -97.884   | 5.0        | 2.2            | 1.6                 | 1.2                  | 0.0              | 171 | 15.8 |
| 2016-04-25 06:07:06 | 37.194   | -97.874   | 5.0        | 1.7            | 4.8                 | 4.4                  | 0.0              | 208 | 14.9 |
| 2016-04-25 07:50:58 | 37.378   | -98.974   | 5.0        | 1.2            | 2.0                 | 3.3                  | 0.0              | 174 | 12.4 |
| 2016-04-25 13:32:26 | 37.316   | -97.501   | 5.0        | 1.5            | 4.6                 | 5.5                  | 0.0              | 191 | 13.3 |
| 2016-04-25 15:34:12 | 37.300   | -97.620   | 5.0        | 1.9            | 3.7                 | 3.8                  | 0.0              | 148 | 14.6 |
| 2016-04-25 17:01:43 | 37.299   | -98.898   | 5.0        | 1.5            | 2.4                 | 2.4                  | 0.0              | 156 | 13.3 |
| 2016-04-25 18:54:47 | 37.346   | -98.088   | 5.0        | 1.8            | 2.7                 | 2.0                  | 0.0              | 158 | 14.2 |
| 2016-04-25 22:26:38 | 37.569   | -97.788   | 5.0        | 1.9            | 4.2                 | 3.4                  | 0.0              | 137 | 15.6 |
| 2016-04-26 00:30:49 | 37.214   | -97.600   | 5.0        | 1.3            | 2.5                 | 2.9                  | 0.0              | 226 | 12.7 |
| 2016-04-26 07:03:44 | 37.152   | -97.795   | 5.0        | 1.6            | 1.9                 | 1.8                  | 0.0              | 197 | 14.6 |
| 2016-04-26 13:50:17 | 37.562   | -97.747   | 5.0        | 1.9            | 4.0                 | 3.7                  | 0.0              | 170 | 15.6 |
| 2016-04-26 20:40:18 | 37.077   | -97.188   | 5.0        | 1.6            | 4.8                 | 2.6                  | 0.0              | 257 | 7.6  |
| 2016-04-26 21:56:38 | 37.586   | -97.808   | 5.0        | 1.1            | 2.1                 | 2.1                  | 0.0              | 141 | 12.2 |
| 2016-04-26 22:22:50 | 37.371   | -98.116   | 5.0        | 1.4            | 1.1                 | 1.2                  | 0.0              | 122 | 13.0 |
| 2016-04-26 22:25:51 | 37.128   | -97.856   | 5.0        | 1.8            | 2.9                 | 2.0                  | 0.0              | 190 | 15.2 |
| 2016-04-27 09:39:48 | 37.216   | -98.733   | 5.0        | 1.8            | 5.2                 | 3.1                  | 0.0              | 196 | 9.2  |
| 2016-04-27 10:49:55 | 37.278   | -98.727   | 5.0        | 1.5            | 2.0                 | 1.3                  | 0.0              | 172 | 10.3 |
| 2016-04-27 19:56:29 | 37.200   | -97.622   | 5.0        | 1.5            | 2.1                 | 2.6                  | 0.0              | 252 | 14.3 |
| 2016-04-28 00:24:02 | 37.232   | -97.598   | 5.0        | 1.4            | 4.5                 | 5.0                  | 0.0              | 222 | 14.0 |
| 2016-04-28 06:50:31 | 37.124   | -98.758   | 5.0        | 1.5            | 3.3                 | 2.7                  | 0.0              | 218 | 9.3  |
| 2016-04-28 07:03:42 | 37.051   | -97.898   | 5.0        | 1.7            | 3.0                 | 2.3                  | 0.0              | 203 | 13.9 |
| 2016-04-28 13:19:48 | 37.559   | -97.801   | 5.0        | 0.7            | 2.8                 | 3.1                  | 0.0              | 186 | 11.5 |
| 2016-04-29 01:06:42 | 37.049   | -97.728   | 5.0        | 1.9            | 1.5                 | 1.1                  | 0.0              | 193 | 14.6 |
| 2016-04-29 11:38:48 | 37.165   | -97.807   | 5.0        | 1.1            | 2.4                 | 2.0                  | 0.0              | 193 | 13.2 |
| 2016-04-30 01:16:25 | 37.321   | -97.631   | 5.0        | 0.9            | 1.0                 | 0.9                  | 0.0              | 165 | 11.8 |
| 2016-04-30 01:23:56 | 37.406   | -97.737   | 5.0        | 0.6            | 1.9                 | 2.3                  | 0.0              | 125 | 11.4 |
| 2016-04-30 02:42:40 | 37.413   | -97.713   | 5.0        | 1.6            | 1.8                 | 2.7                  | 0.0              | 114 | 9.6  |
| 2016-04-30 06:26:51 | 37.168   | -97.875   | 5.0        | 1.1            | 2.6                 | 2.1                  | 0.0              | 197 | 14.2 |
| 2016-04-30 09:08:15 | 37.561   | -97.792   | 5.0        | 1.5            | 1.0                 | 1.0                  | 0.0              | 153 | 13.3 |
| 2016-04-30 12:20:02 | 37.048   | -97.727   | 5.0        | 1.9            | 3.9                 | 2.4                  | 0.0              | 204 | 15.6 |
| 2016-04-30 12:38:55 | 37.083   | -97.726   | 5.0        | 1.4            | 2.4                 | 1.5                  | 0.0              | 214 | 14.0 |
| 2016-04-30 12:42:45 | 37.097   | -97.860   | 5.0        | 1.4            | 1.4                 | 1.1                  | 0.0              | 222 | 14.0 |

| origin time (UTC)   | latitude | longitude | depth (km) | magnitude (MC) | latitude error (km) | longitude error (km) | depth error (km) | gap | SAS  |
|---------------------|----------|-----------|------------|----------------|---------------------|----------------------|------------------|-----|------|
| 2016-05-01 04:53:52 | 37.219   | -97.642   | 5.0        | 1.4            | 4.6                 | 5.6                  | 0.0              | 229 | 13.0 |
| 2016-05-01 05:37:42 | 37.218   | -97.901   | 5.0        | 2.9            | 2.3                 | 1.9                  | 0.0              | 167 | 19.4 |
| 2016-05-01 12:04:25 | 37.365   | -98.126   | 5.0        | 1.6            | 1.1                 | 1.5                  | 0.0              | 140 | 13.6 |
| 2016-05-01 19:12:30 | 37.361   | -97.382   | 5.0        | 1.8            | 1.4                 | 1.6                  | 0.0              | 196 | 6.2  |
| 2016-05-02 03:04:49 | 37.245   | -97.977   | 5.0        | 2.5            | 2.0                 | 1.7                  | 0.0              | 155 | 18.3 |
| 2016-05-02 03:20:02 | 37.026   | -98.881   | 5.0        | 1.5            | 3.1                 | 2.2                  | 0.0              | 210 | 12.3 |
| 2016-05-02 03:51:20 | 37.225   | -97.897   | 5.0        | 1.6            | 2.3                 | 1.7                  | 0.0              | 171 | 14.6 |
| 2016-05-02 06:23:10 | 37.194   | -97.803   | 5.0        | 1.5            | 1.8                 | 1.8                  | 0.0              | 169 | 14.3 |
| 2016-05-02 08:49:21 | 37.066   | -97.909   | 5.0        | 1.5            | 2.1                 | 1.5                  | 0.0              | 189 | 14.3 |
| 2016-05-02 17:48:22 | 37.119   | -98.082   | 5.0        | 1.8            | 2.7                 | 1.9                  | 0.0              | 194 | 11.2 |
| 2016-05-02 18:54:23 | 37.040   | -98.857   | 5.0        | 1.7            | 2.8                 | 1.8                  | 0.0              | 203 | 15.9 |
| 2016-05-03 01:02:29 | 37.363   | -97.522   | 5.0        | 0.8            | 1.3                 | 1.3                  | 0.0              | 165 | 9.6  |
| 2016-05-03 01:13:46 | 37.027   | -97.966   | 5.0        | 1.5            | 2.2                 | 1.5                  | 0.0              | 207 | 16.3 |
| 2016-05-03 03:41:43 | 37.025   | -98.870   | 5.0        | 1.5            | 3.5                 | 2.2                  | 0.0              | 243 | 14.3 |
| 2016-05-03 08:17:29 | 37.137   | -98.478   | 5.0        | 1.2            | 2.6                 | 1.6                  | 0.0              | 193 | 4.4  |
| 2016-05-03 09:01:59 | 37.407   | -98.029   | 5.0        | 1.6            | 1.1                 | 1.3                  | 0.0              | 77  | 13.6 |
| 2016-05-03 09:55:30 | 37.251   | -97.559   | 5.0        | 1.4            | 1.4                 | 1.3                  | 0.0              | 156 | 14.0 |
| 2016-05-03 11:36:31 | 37.068   | -98.104   | 5.0        | 1.5            | 2.5                 | 1.7                  | 0.0              | 202 | 14.3 |
| 2016-05-03 13:11:22 | 37.371   | -98.804   | 5.0        | 1.4            | 1.8                 | 2.2                  | 0.0              | 148 | 7.0  |
| 2016-05-03 15:52:54 | 37.165   | -98.873   | 5.0        | 1.8            | 3.0                 | 2.9                  | 0.0              | 243 | 10.2 |
| 2016-05-03 19:45:48 | 37.203   | -97.628   | 5.0        | 2.2            | 4.3                 | 3.4                  | 0.0              | 166 | 16.8 |
| 2016-05-03 20:21:02 | 37.221   | -97.632   | 5.0        | 2.5            | 3.4                 | 3.1                  | 0.0              | 162 | 17.3 |
| 2016-05-03 20:45:18 | 37.206   | -97.621   | 5.0        | 1.5            | 2.3                 | 2.1                  | 0.0              | 172 | 14.3 |
| 2016-05-03 21:07:02 | 37.009   | -97.481   | 5.0        | 1.5            | 2.5                 | 1.4                  | 0.0              | 219 | 13.3 |
| 2016-05-03 22:46:59 | 37.072   | -97.899   | 5.0        | 1.3            | 2.9                 | 2.4                  | 0.0              | 235 | 14.7 |
| 2016-05-03 22:52:37 | 37.074   | -97.901   | 5.0        | 1.7            | 2.4                 | 1.7                  | 0.0              | 200 | 15.9 |
| 2016-05-04 01:37:59 | 37.232   | -98.055   | 5.0        | 1.7            | 2.0                 | 1.1                  | 0.0              | 134 | 17.9 |
| 2016-05-04 02:44:28 | 37.194   | -98.014   | 5.0        | 1.7            | 2.2                 | 1.5                  | 0.0              | 170 | 17.9 |
| 2016-05-04 11:58:32 | 37.153   | -98.007   | 5.0        | 1.8            | 2.3                 | 2.7                  | 0.0              | 236 | 17.2 |
| 2016-05-04 13:45:09 | 37.290   | -98.797   | 5.0        | 1.5            | 4.4                 | 2.9                  | 0.0              | 166 | 13.3 |
| 2016-05-04 15:23:03 | 37.581   | -97.790   | 5.0        | 1.4            | 2.6                 | 2.6                  | 0.0              | 169 | 15.0 |
| 2016-05-04 17:55:54 | 37.167   | -97.999   | 5.0        | 1.7            | 3.0                 | 2.7                  | 0.0              | 225 | 17.9 |
| 2016-05-04 22:23:58 | 37.152   | -98.015   | 5.0        | 2.0            | 2.7                 | 1.8                  | 0.0              | 188 | 18.0 |
| 2016-05-04 23:54:59 | 37.242   | -98.072   | 5.0        | 1.5            | 2.4                 | 3.4                  | 0.0              | 248 | 15.3 |
| 2016-05-05 00:56:36 | 37.239   | -98.147   | 5.0        | 1.1            | 3.2                 | 2.4                  | 0.0              | 172 | 9.2  |
| 2016-05-05 04:18:29 | 37.784   | -97.947   | 5.0        | 2.0            | 1.4                 | 1.6                  | 0.0              | 160 | 7.0  |
| 2016-05-05 06:34:43 | 37.000   | -97.585   | 5.0        | 1.7            | 4.0                 | 2.1                  | 0.0              | 206 | 13.9 |
| 2016-05-05 08:53:55 | 37.199   | -97.896   | 5.0        | 1.6            | 3.0                 | 2.2                  | 0.0              | 169 | 14.6 |
| 2016-05-05 09:40:12 | 37.579   | -97.805   | 5.0        | 1.5            | 1.9                 | 1.6                  | 0.0              | 162 | 16.3 |
| 2016-05-05 09:53:46 | 37.573   | -97.817   | 5.0        | 1.5            | 2.1                 | 1.8                  | 0.0              | 154 | 16.3 |
| 2016-05-05 11:00:06 | 37.566   | -97.824   | 5.0        | 2.0            | 4.1                 | 2.1                  | 0.0              | 189 | 16.0 |
| 2016-05-05 19:57:46 | 37.347   | -98.236   | 5.0        | 1.1            | 0.8                 | 2.4                  | 0.0              | 263 | 6.2  |
| 2016-05-05 21:16:01 | 37.202   | -98.002   | 5.0        | 1.7            | 2.4                 | 1.7                  | 0.0              | 180 | 17.9 |
| 2016-05-05 21:22:02 | 37.325   | -97.928   | 5.0        | 1.6            | 1.1                 | 0.8                  | 0.0              | 159 | 13.6 |
| 2016-05-05 21:40:44 | 37.309   | -97.905   | 5.0        | 2.0            | 1.7                 | 1.7                  | 0.0              | 130 | 17.0 |
| 2016-05-05 22:03:18 | 37.005   | -98.200   | 5.0        | 1.8            | 3.1                 | 1.3                  | 0.0              | 195 | 10.2 |
| 2016-05-05 22:06:36 | 37.304   | -97.923   | 5.0        | 1.0            | 1.3                 | 1.9                  | 0.0              | 195 | 12.0 |
| 2016-05-05 23:36:30 | 37.334   | -97.992   | 5.0        | 1.6            | 1.2                 | 2.4                  | 0.0              | 158 | 15.6 |
| 2016-05-06 03:50:09 | 37.146   | -97.630   | 5.0        | 1.6            | 3.1                 | 3.3                  | 0.0              | 243 | 13.6 |

| origin time (UTC)   | latitude | longitude | depth (km) | magnitude (MC) | latitude error (km) | longitude error (km) | depth error (km) | gap | SAS  |
|---------------------|----------|-----------|------------|----------------|---------------------|----------------------|------------------|-----|------|
| 2016-05-06 13:25:09 | 37.197   | -98.025   | 5.0        | 2.2            | 1.2                 | 1.0                  | 0.0              | 181 | 16.8 |
| 2016-05-06 17:40:25 | 37.202   | -97.944   | 5.0        | 2.1            | 2.6                 | 3.5                  | 0.0              | 250 | 19.4 |
| 2016-05-06 23:52:45 | 37.073   | -97.765   | 5.0        | 1.8            | 2.4                 | 1.9                  | 0.0              | 224 | 15.2 |
| 2016-05-07 08:40:22 | 37.196   | -98.012   | 5.0        | 2.0            | 2.6                 | 2.0                  | 0.0              | 170 | 19.0 |
| 2016-05-07 09:49:19 | 37.213   | -97.826   | 5.0        | 1.2            | 1.4                 | 1.3                  | 0.0              | 175 | 12.4 |
| 2016-05-07 16:34:39 | 37.191   | -97.999   | 5.0        | 1.9            | 2.7                 | 2.1                  | 0.0              | 171 | 18.6 |
| 2016-05-07 22:29:53 | 37.170   | -98.030   | 5.0        | 1.5            | 2.1                 | 1.6                  | 0.0              | 296 | 17.3 |
| 2016-05-07 22:50:05 | 37.063   | -97.772   | 5.0        | 1.4            | 2.0                 | 1.3                  | 0.0              | 223 | 15.0 |
| 2016-05-08 02:34:29 | 37.046   | -97.787   | 5.0        | 1.5            | 1.9                 | 1.4                  | 0.0              | 229 | 14.3 |
| 2016-05-08 03:07:18 | 37.193   | -98.001   | 5.0        | 1.5            | 3.8                 | 3.3                  | 0.0              | 208 | 17.3 |
| 2016-05-08 03:44:18 | 37.245   | -98.070   | 5.0        | 1.2            | 1.0                 | 2.6                  | 0.0              | 204 | 14.4 |
| 2016-05-08 11:19:10 | 37.322   | -97.596   | 5.0        | 1.2            | 1.0                 | 1.1                  | 0.0              | 137 | 12.4 |
| 2016-05-08 23:24:25 | 37.311   | -98.189   | 5.0        | 1.0            | 2.5                 | 2.1                  | 0.0              | 178 | 13.0 |
| 2016-05-09 02:50:32 | 37.208   | -97.797   | 5.0        | 1.3            | 1.5                 | 1.7                  | 0.0              | 258 | 12.7 |
| 2016-05-09 06:06:21 | 37.171   | -97.950   | 5.0        | 1.8            | 3.8                 | 2.5                  | 0.0              | 184 | 14.2 |
| 2016-05-09 06:19:08 | 37.268   | -98.262   | 5.0        | 1.3            | 1.8                 | 3.1                  | 0.0              | 315 | 11.7 |
| 2016-05-09 22:16:03 | 37.692   | -97.199   | 5.0        | 2.0            | 2.1                 | 3.2                  | 0.0              | 224 | 9.0  |
| 2016-05-09 22:28:13 | 37.676   | -97.216   | 5.0        | 1.8            | 1.4                 | 2.2                  | 0.0              | 222 | 10.2 |
| 2016-05-09 23:38:20 | 37.414   | -97.906   | 5.0        | 0.9            | 2.2                 | 3.7                  | 0.0              | 157 | 5.8  |
| 2016-05-10 00:31:46 | 37.302   | -98.060   | 5.0        | 0.9            | 1.3                 | 3.7                  | 0.0              | 191 | 11.8 |
| 2016-05-10 03:07:05 | 37.633   | -97.231   | 5.0        | 1.9            | 4.5                 | 4.8                  | 0.0              | 259 | 12.6 |
| 2016-05-10 06:38:00 | 37.319   | -97.836   | 5.0        | 1.8            | 1.9                 | 1.9                  | 0.0              | 134 | 14.2 |
| 2016-05-10 13:18:02 | 37.089   | -98.310   | 5.0        | 2.3            | 2.5                 | 0.9                  | 0.0              | 184 | 10.3 |
| 2016-05-10 13:41:52 | 37.205   | -97.974   | 5.0        | 2.3            | 1.9                 | 1.3                  | 0.0              | 169 | 19.3 |
| 2016-05-10 13:49:07 | 37.209   | -97.964   | 5.0        | 2.0            | 1.5                 | 1.0                  | 0.0              | 168 | 18.0 |
| 2016-05-10 14:54:51 | 37.203   | -98.021   | 5.0        | 1.9            | 1.4                 | 0.9                  | 0.0              | 207 | 17.6 |
| 2016-05-10 20:17:37 | 37.208   | -97.848   | 5.0        | 2.1            | 1.4                 | 1.2                  | 0.0              | 178 | 16.4 |
| 2016-05-10 20:30:09 | 37.118   | -97.940   | 5.0        | 1.6            | 3.7                 | 2.7                  | 0.0              | 229 | 15.6 |
| 2016-05-10 20:48:25 | 37.631   | -98.100   | 5.0        | 1.8            | 2.9                 | 5.8                  | 0.0              | 306 | 6.2  |
| 2016-05-10 21:20:54 | 37.831   | -97.908   | 5.0        | 1.7            | 1.7                 | 2.0                  | 0.0              | 166 | 9.9  |
| 2016-05-11 02:13:46 | 37.096   | -97.716   | 5.0        | 2.4            | 3.3                 | 2.6                  | 0.0              | 185 | 15.8 |
| 2016-05-11 02:56:51 | 37.169   | -97.304   | 5.0        | 1.6            | 2.8                 | 2.1                  | 0.0              | 167 | 5.6  |
| 2016-05-11 03:33:19 | 37.684   | -97.205   | 5.0        | 2.1            | 1.4                 | 2.2                  | 0.0              | 223 | 14.4 |
| 2016-05-11 04:12:31 | 37.668   | -97.220   | 5.0        | 2.1            | 2.1                 | 3.2                  | 0.0              | 221 | 16.4 |
| 2016-05-11 05:31:28 | 37.204   | -97.901   | 5.0        | 2.2            | 2.2                 | 1.8                  | 0.0              | 169 | 18.8 |
| 2016-05-11 08:36:17 | 37.828   | -97.924   | 5.0        | 1.9            | 2.9                 | 1.8                  | 0.0              | 263 | 12.6 |
| 2016-05-11 11:42:24 | 37.811   | -97.949   | 5.0        | 2.0            | 1.2                 | 0.9                  | 0.0              | 215 | 15.0 |
| 2016-05-11 11:46:15 | 37.095   | -97.995   | 5.0        | 1.6            | 1.9                 | 1.9                  | 0.0              | 250 | 16.6 |
| 2016-05-11 12:11:03 | 37.184   | -97.972   | 5.0        | 1.4            | 1.4                 | 1.1                  | 0.0              | 205 | 16.0 |
| 2016-05-11 23:16:59 | 37.064   | -97.930   | 5.0        | 1.6            | 2.5                 | 1.9                  | 0.0              | 243 | 15.6 |
| 2016-05-12 01:12:41 | 37.138   | -97.922   | 5.0        | 1.4            | 2.0                 | 2.8                  | 0.0              | 268 | 16.0 |
| 2016-05-12 01:41:31 | 37.128   | -97.612   | 5.0        | 1.5            | 3.4                 | 2.3                  | 0.0              | 196 | 14.3 |
| 2016-05-12 09:03:14 | 37.208   | -97.623   | 5.0        | 1.2            | 1.5                 | 1.2                  | 0.0              | 171 | 13.4 |
| 2016-05-12 11:05:58 | 37.654   | -97.227   | 5.0        | 2.0            | 1.6                 | 2.4                  | 0.0              | 220 | 15.0 |
| 2016-05-12 17:03:43 | 37.019   | -97.507   | 5.0        | 1.6            | 2.0                 | 1.0                  | 0.0              | 215 | 14.6 |
| 2016-05-12 19:11:44 | 37.254   | -97.871   | 5.0        | 1.8            | 4.3                 | 3.6                  | 0.0              | 231 | 14.2 |
| 2016-05-13 02:11:53 | 37.350   | -98.155   | 5.0        | 1.9            | 1.7                 | 1.7                  | 0.0              | 114 | 14.6 |
| 2016-05-13 06:10:53 | 37.010   | -97.537   | 5.0        | 1.5            | 2.0                 | 1.0                  | 0.0              | 229 | 14.3 |
| 2016-05-14 05:24:01 | 37.579   | -97.815   | 5.0        | 1.6            | 1.9                 | 1.6                  | 0.0              | 159 | 14.6 |

| origin time (UTC)   | latitude | longitude | depth (km) | magnitude (MC) | latitude error (km) | longitude error (km) | depth error (km) | gap | SAS  |
|---------------------|----------|-----------|------------|----------------|---------------------|----------------------|------------------|-----|------|
| 2016-05-14 06:38:36 | 37.580   | -97.829   | 5.0        | 2.2            | 1.3                 | 1.3                  | 0.0              | 135 | 16.8 |
| 2016-05-14 06:40:05 | 37.591   | -97.827   | 5.0        | 1.9            | 1.3                 | 1.7                  | 0.0              | 140 | 16.6 |
| 2016-05-14 19:04:42 | 37.075   | -97.743   | 5.0        | 2.8            | 3.6                 | 2.8                  | 0.0              | 189 | 18.8 |
| 2016-05-14 19:33:15 | 37.585   | -97.819   | 5.0        | 2.5            | 1.9                 | 1.9                  | 0.0              | 139 | 18.3 |
| 2016-05-14 21:33:29 | 37.102   | -97.718   | 5.0        | 1.7            | 2.8                 | 2.9                  | 0.0              | 256 | 14.9 |
| 2016-05-15 04:31:17 | 37.005   | -97.473   | 5.0        | 1.6            | 2.1                 | 1.2                  | 0.0              | 220 | 13.6 |
| 2016-05-15 05:22:36 | 37.280   | -98.874   | 5.0        | 2.0            | 2.0                 | 1.6                  | 0.0              | 170 | 19.0 |
| 2016-05-15 05:48:03 | 37.136   | -97.660   | 5.0        | 1.8            | 2.3                 | 1.4                  | 0.0              | 187 | 16.2 |
| 2016-05-15 06:36:24 | 37.313   | -98.901   | 5.0        | 1.8            | 1.7                 | 1.9                  | 0.0              | 168 | 18.2 |
| 2016-05-15 06:51:09 | 37.249   | -97.878   | 5.0        | 1.1            | 1.7                 | 1.9                  | 0.0              | 232 | 12.2 |
| 2016-05-15 16:39:29 | 37.290   | -98.877   | 5.0        | 2.0            | 2.0                 | 1.6                  | 0.0              | 147 | 19.0 |
| 2016-05-15 17:45:14 | 37.300   | -98.905   | 5.0        | 1.9            | 4.9                 | 2.0                  | 0.0              | 196 | 18.6 |
| 2016-05-15 17:51:57 | 37.301   | -98.908   | 5.0        | 2.1            | 1.7                 | 1.3                  | 0.0              | 126 | 19.4 |
| 2016-05-15 18:40:59 | 37.314   | -98.883   | 5.0        | 1.8            | 2.3                 | 1.9                  | 0.0              | 144 | 18.2 |
| 2016-05-15 20:23:21 | 37.342   | -98.931   | 5.0        | 1.7            | 2.0                 | 1.1                  | 0.0              | 134 | 17.9 |
| 2016-05-15 20:52:21 | 37.321   | -98.899   | 5.0        | 2.1            | 2.9                 | 3.3                  | 0.0              | 141 | 19.4 |
| 2016-05-16 00:55:44 | 37.128   | -97.767   | 5.0        | 1.6            | 2.3                 | 1.6                  | 0.0              | 203 | 17.6 |
| 2016-05-16 02:19:27 | 37.123   | -97.952   | 5.0        | 2.1            | 1.9                 | 1.3                  | 0.0              | 192 | 15.4 |
| 2016-05-16 02:22:04 | 37.259   | -98.245   | 5.0        | 1.4            | 1.3                 | 2.2                  | 0.0              | 316 | 14.0 |
| 2016-05-16 04:22:22 | 37.126   | -97.813   | 5.0        | 1.6            | 2.1                 | 1.5                  | 0.0              | 190 | 17.6 |
| 2016-05-16 05:33:37 | 37.370   | -97.659   | 5.0        | 1.3            | 1.6                 | 2.0                  | 0.0              | 126 | 12.7 |
| 2016-05-16 06:31:33 | 37.054   | -98.014   | 5.0        | 1.5            | 1.9                 | 1.4                  | 0.0              | 203 | 13.3 |
| 2016-05-16 07:34:48 | 37.169   | -97.802   | 5.0        | 1.5            | 2.7                 | 1.6                  | 0.0              | 183 | 17.3 |
| 2016-05-16 07:56:52 | 37.428   | -97.980   | 5.0        | 1.4            | 2.4                 | 2.1                  | 0.0              | 167 | 12.0 |
| 2016-05-16 10:08:09 | 37.298   | -97.865   | 5.0        | 1.2            | 1.8                 | 2.5                  | 0.0              | 214 | 12.4 |
| 2016-05-16 10:30:20 | 37.299   | -98.879   | 5.0        | 1.9            | 2.2                 | 1.6                  | 0.0              | 145 | 18.6 |
| 2016-05-16 11:09:16 | 37.132   | -97.874   | 5.0        | 1.4            | 2.2                 | 1.6                  | 0.0              | 190 | 17.0 |
| 2016-05-16 11:33:26 | 37.173   | -97.779   | 5.0        | 1.3            | 1.5                 | 0.9                  | 0.0              | 182 | 16.7 |
| 2016-05-16 12:07:26 | 37.148   | -97.861   | 5.0        | 1.2            | 1.3                 | 1.0                  | 0.0              | 204 | 16.4 |
| 2016-05-16 12:53:31 | 37.430   | -97.978   | 5.0        | 1.0            | 1.2                 | 2.3                  | 0.0              | 167 | 13.0 |
| 2016-05-16 13:00:10 | 37.001   | -97.464   | 5.0        | 1.5            | 3.4                 | 1.9                  | 0.0              | 234 | 13.3 |
| 2016-05-16 14:46:53 | 37.060   | -97.742   | 5.0        | 1.8            | 2.9                 | 2.1                  | 0.0              | 222 | 16.2 |
| 2016-05-16 18:10:17 | 37.539   | -97.771   | 5.0        | 1.4            | 1.6                 | 1.7                  | 0.0              | 139 | 13.0 |
| 2016-05-16 20:09:17 | 37.303   | -98.872   | 5.0        | 1.8            | 1.8                 | 1.3                  | 0.0              | 145 | 17.2 |
| 2016-05-16 20:10:36 | 37.300   | -98.150   | 5.0        | 1.7            | 3.2                 | 1.4                  | 0.0              | 166 | 15.9 |
| 2016-05-16 22:37:03 | 37.161   | -97.744   | 5.0        | 1.4            | 3.5                 | 4.2                  | 0.0              | 249 | 17.0 |
| 2016-05-16 23:34:45 | 37.012   | -97.785   | 5.0        | 1.5            | 4.9                 | 3.1                  | 0.0              | 237 | 14.3 |
| 2016-05-17 04:36:14 | 37.093   | -97.875   | 5.0        | 1.4            | 2.6                 | 3.2                  | 0.0              | 269 | 15.0 |
| 2016-05-17 14:43:11 | 37.249   | -98.068   | 5.0        | 1.6            | 3.7                 | 2.7                  | 0.0              | 225 | 14.6 |
| 2016-05-17 11:36:48 | 39.104   | -99.584   | 5.0        | 1.9            | 2.9                 | 3.1                  | 0.0              | 121 | 6.6  |
| 2016-05-18 05:14:47 | 37.306   | -98.938   | 5.0        | 2.0            | 1.2                 | 0.8                  | 0.0              | 212 | 16.0 |
| 2016-05-18 06:11:35 | 37.104   | -98.032   | 5.0        | 1.5            | 2.2                 | 1.6                  | 0.0              | 250 | 14.3 |
| 2016-05-18 07:37:32 | 37.061   | -98.000   | 5.0        | 2.2            | 1.8                 | 1.5                  | 0.0              | 244 | 14.8 |
| 2016-05-18 12:54:53 | 37.020   | -97.949   | 5.0        | 1.5            | 4.9                 | 3.7                  | 0.0              | 265 | 13.3 |
| 2016-05-18 19:09:26 | 37.061   | -97.557   | 5.0        | 1.7            | 4.6                 | 5.3                  | 0.0              | 293 | 13.9 |
| 2016-05-18 20:20:21 | 37.272   | -97.980   | 5.0        | 1.4            | 1.7                 | 2.0                  | 0.0              | 193 | 14.0 |
| 2016-05-19 00:55:38 | 37.379   | -97.748   | 5.0        | 1.5            | 1.1                 | 1.3                  | 0.0              | 141 | 13.3 |
| 2016-05-19 02:53:01 | 37.152   | -98.009   | 5.0        | 1.8            | 3.0                 | 1.6                  | 0.0              | 176 | 16.2 |
| 2016-05-19 03:28:01 | 37.303   | -98.942   | 5.0        | 1.5            | 2.1                 | 1.8                  | 0.0              | 152 | 15.3 |

| origin time (UTC)   | latitude | longitude | depth (km) | magnitude (MC) | latitude error (km) | longitude error (km) | depth error (km) | gap | SAS  |
|---------------------|----------|-----------|------------|----------------|---------------------|----------------------|------------------|-----|------|
| 2016-05-19 05:23:52 | 37.277   | -98.106   | 5.0        | 1.5            | 1.7                 | 1.3                  | 0.0              | 143 | 17.3 |
| 2016-05-19 07:34:55 | 37.274   | -98.131   | 5.0        | 1.9            | 1.9                 | 1.6                  | 0.0              | 128 | 18.6 |
| 2016-05-19 08:26:19 | 37.324   | -98.898   | 5.0        | 2.0            | 1.4                 | 1.2                  | 0.0              | 139 | 16.0 |
| 2016-05-19 18:43:05 | 37.190   | -97.961   | 5.0        | 1.6            | 1.9                 | 1.7                  | 0.0              | 181 | 16.6 |
| 2016-05-19 21:35:01 | 37.297   | -98.038   | 5.0        | 1.7            | 0.6                 | 0.6                  | 0.0              | 108 | 17.9 |
| 2016-05-19 21:39:53 | 37.311   | -98.056   | 5.0        | 1.8            | 1.3                 | 1.5                  | 0.0              | 82  | 18.2 |
| 2016-05-19 23:17:21 | 37.293   | -98.037   | 5.0        | 1.7            | 2.0                 | 1.6                  | 0.0              | 107 | 17.9 |
| 2016-05-20 01:46:00 | 37.019   | -97.977   | 5.0        | 2.5            | 2.3                 | 1.6                  | 0.0              | 195 | 18.3 |
| 2016-05-20 03:39:23 | 37.349   | -98.174   | 5.0        | 2.0            | 2.4                 | 1.8                  | 0.0              | 151 | 16.0 |
| 2016-05-20 05:51:15 | 37.034   | -97.943   | 5.0        | 2.3            | 1.9                 | 1.4                  | 0.0              | 193 | 17.3 |
| 2016-05-20 06:11:31 | 37.270   | -97.674   | 5.0        | 1.9            | 1.7                 | 1.8                  | 0.0              | 162 | 18.6 |
| 2016-05-20 08:47:21 | 37.309   | -98.029   | 5.0        | 1.9            | 2.2                 | 1.9                  | 0.0              | 155 | 18.6 |
| 2016-05-20 09:34:41 | 37.364   | -98.174   | 5.0        | 2.3            | 2.1                 | 1.5                  | 0.0              | 149 | 17.3 |
| 2016-05-20 10:41:36 | 37.018   | -97.608   | 5.0        | 2.1            | 3.1                 | 2.3                  | 0.0              | 202 | 14.4 |
| 2016-05-20 11:53:52 | 37.600   | -98.540   | 5.0        | 1.5            | 2.2                 | 1.4                  | 0.0              | 171 | 8.3  |
| 2016-05-20 12:33:54 | 37.332   | -98.904   | 5.0        | 1.8            | 2.4                 | 1.8                  | 0.0              | 139 | 17.2 |
| 2016-05-20 13:02:08 | 37.190   | -97.889   | 5.0        | 1.5            | 1.7                 | 1.1                  | 0.0              | 180 | 14.3 |
| 2016-05-20 14:16:57 | 37.303   | -97.827   | 5.0        | 2.0            | 1.2                 | 1.2                  | 0.0              | 153 | 17.0 |
| 2016-05-20 14:28:14 | 37.329   | -97.811   | 5.0        | 1.5            | 1.2                 | 1.2                  | 0.0              | 183 | 16.3 |
| 2016-05-20 16:22:01 | 37.270   | -97.595   | 5.0        | 1.5            | 2.2                 | 2.6                  | 0.0              | 214 | 17.3 |
| 2016-05-20 17:16:48 | 37.309   | -98.860   | 5.0        | 1.9            | 1.5                 | 1.3                  | 0.0              | 145 | 17.6 |
| 2016-05-20 19:06:37 | 37.370   | -98.008   | 5.0        | 1.7            | 1.6                 | 1.5                  | 0.0              | 154 | 17.9 |
| 2016-05-20 19:15:19 | 37.380   | -98.020   | 5.0        | 1.7            | 1.6                 | 1.4                  | 0.0              | 152 | 17.9 |
| 2016-05-20 19:22:24 | 37.390   | -97.972   | 5.0        | 1.7            | 2.2                 | 3.7                  | 0.0              | 253 | 17.9 |
| 2016-05-20 22:49:44 | 39.099   | -99.590   | 5.0        | 1.6            | 1.4                 | 1.7                  | 0.0              | 121 | 7.6  |
| 2016-05-21 00:46:56 | 37.383   | -97.996   | 5.0        | 1.4            | 2.5                 | 2.1                  | 0.0              | 184 | 17.0 |
| 2016-05-21 01:04:18 | 37.378   | -97.971   | 5.0        | 1.2            | 1.5                 | 2.5                  | 0.0              | 253 | 16.4 |
| 2016-05-21 01:12:52 | 37.277   | -97.581   | 5.0        | 1.2            | 2.8                 | 3.4                  | 0.0              | 211 | 16.4 |
| 2016-05-21 01:32:33 | 37.188   | -98.011   | 5.0        | 1.8            | 2.0                 | 1.5                  | 0.0              | 182 | 16.2 |
| 2016-05-21 01:37:27 | 37.348   | -98.848   | 5.0        | 1.6            | 3.9                 | 4.6                  | 0.0              | 326 | 16.6 |
| 2016-05-21 02:40:21 | 37.261   | -97.596   | 5.0        | 1.6            | 1.1                 | 1.0                  | 0.0              | 154 | 17.6 |
| 2016-05-21 02:56:07 | 37.285   | -97.572   | 5.0        | 1.5            | 2.5                 | 2.3                  | 0.0              | 155 | 17.3 |
| 2016-05-21 04:52:51 | 37.246   | -97.629   | 5.0        | 1.2            | 2.3                 | 2.2                  | 0.0              | 165 | 16.4 |
| 2016-05-21 05:04:37 | 37.198   | -97.626   | 5.0        | 1.6            | 2.3                 | 2.5                  | 0.0              | 232 | 17.6 |
| 2016-05-21 05:31:19 | 37.562   | -98.516   | 5.0        | 1.3            | 4.6                 | 1.3                  | 0.0              | 203 | 9.7  |
| 2016-05-21 06:01:35 | 37.327   | -97.505   | 5.0        | 1.3            | 3.6                 | 4.3                  | 0.0              | 190 | 14.7 |
| 2016-05-21 06:13:55 | 37.052   | -97.955   | 5.0        | 2.4            | 2.1                 | 1.5                  | 0.0              | 190 | 16.8 |
| 2016-05-21 07:21:12 | 37.320   | -97.825   | 5.0        | 1.8            | 2.5                 | 2.5                  | 0.0              | 185 | 17.2 |
| 2016-05-21 07:31:21 | 37.268   | -97.595   | 5.0        | 1.3            | 3.6                 | 4.3                  | 0.0              | 214 | 16.7 |
| 2016-05-21 08:01:47 | 37.274   | -97.597   | 5.0        | 1.9            | 1.6                 | 1.5                  | 0.0              | 158 | 18.6 |
| 2016-05-21 08:40:44 | 37.418   | -97.852   | 5.0        | 2.0            | 2.4                 | 2.2                  | 0.0              | 138 | 11.0 |
| 2016-05-21 11:19:54 | 37.148   | -98.021   | 5.0        | 1.9            | 1.5                 | 1.1                  | 0.0              | 189 | 16.6 |
| 2016-05-21 12:05:13 | 37.153   | -98.002   | 5.0        | 1.8            | 1.3                 | 1.6                  | 0.0              | 257 | 16.2 |
| 2016-05-21 12:12:15 | 37.343   | -98.834   | 5.0        | 1.9            | 2.0                 | 1.4                  | 0.0              | 207 | 17.6 |
| 2016-05-21 13:23:13 | 37.325   | -97.824   | 5.0        | 1.4            | 1.1                 | 1.7                  | 0.0              | 235 | 15.0 |
| 2016-05-22 05:00:30 | 37.046   | -97.533   | 5.0        | 1.6            | 2.2                 | 1.6                  | 0.0              | 259 | 13.6 |
| 2016-05-22 11:48:27 | 38.662   | -97.542   | 5.0        | 2.2            | 1.4                 | 1.6                  | 0.0              | 269 | 7.8  |
| 2016-05-22 17:59:08 | 37.306   | -98.050   | 5.0        | 1.1            | 1.0                 | 2.6                  | 0.0              | 184 | 12.2 |
| 2016-05-22 18:47:29 | 37.435   | -98.936   | 5.0        | 1.9            | 2.2                 | 2.0                  | 0.0              | 209 | 8.6  |

| origin time (UTC)   | latitude | longitude | depth (km) | magnitude (MC) | latitude error (km) | longitude error (km) | depth error (km) | gap | SAS  |
|---------------------|----------|-----------|------------|----------------|---------------------|----------------------|------------------|-----|------|
| 2016-05-23 00:03:36 | 37.059   | -98.684   | 5.0        | 1.9            | 2.8                 | 1.5                  | 0.0              | 230 | 6.6  |
| 2016-05-23 01:02:52 | 37.212   | -97.985   | 5.0        | 1.8            | 2.0                 | 1.6                  | 0.0              | 178 | 15.2 |
| 2016-05-23 03:32:05 | 37.235   | -97.654   | 5.0        | 1.1            | 1.9                 | 1.6                  | 0.0              | 164 | 12.2 |
| 2016-05-23 05:06:19 | 37.286   | -98.887   | 5.0        | 1.8            | 1.5                 | 1.2                  | 0.0              | 159 | 18.2 |
| 2016-05-23 05:13:40 | 37.318   | -97.847   | 5.0        | 1.9            | 1.3                 | 1.7                  | 0.0              | 233 | 15.6 |
| 2016-05-23 08:44:22 | 37.317   | -97.824   | 5.0        | 1.7            | 1.4                 | 2.0                  | 0.0              | 216 | 14.9 |
| 2016-05-23 09:36:26 | 37.304   | -98.879   | 5.0        | 1.8            | 1.5                 | 1.2                  | 0.0              | 141 | 18.2 |
| 2016-05-23 15:00:57 | 37.314   | -98.881   | 5.0        | 2.0            | 2.1                 | 1.6                  | 0.0              | 132 | 19.0 |
| 2016-05-23 15:10:39 | 37.292   | -98.861   | 5.0        | 1.7            | 2.4                 | 1.8                  | 0.0              | 147 | 17.9 |
| 2016-05-23 15:17:47 | 37.029   | -97.938   | 5.0        | 1.9            | 2.2                 | 1.7                  | 0.0              | 194 | 15.6 |
| 2016-05-23 15:53:51 | 37.299   | -98.885   | 5.0        | 1.6            | 2.3                 | 1.9                  | 0.0              | 145 | 17.6 |
| 2016-05-23 15:57:03 | 37.285   | -98.855   | 5.0        | 1.8            | 2.5                 | 1.8                  | 0.0              | 149 | 18.2 |
| 2016-05-23 18:09:17 | 37.317   | -98.871   | 5.0        | 2.1            | 2.6                 | 1.9                  | 0.0              | 155 | 19.4 |
| 2016-05-24 00:38:05 | 37.191   | -98.027   | 5.0        | 1.7            | 1.6                 | 1.5                  | 0.0              | 224 | 14.9 |
| 2016-05-24 02:23:33 | 37.380   | -97.727   | 5.0        | 1.9            | 1.3                 | 1.6                  | 0.0              | 122 | 14.6 |
| 2016-05-24 08:20:08 | 37.307   | -98.866   | 5.0        | 2.3            | 1.6                 | 1.4                  | 0.0              | 143 | 20.3 |
| 2016-05-24 09:34:22 | 37.056   | -97.971   | 5.0        | 2.4            | 3.0                 | 2.2                  | 0.0              | 190 | 17.8 |
| 2016-05-24 10:17:07 | 37.094   | -98.883   | 5.0        | 1.4            | 2.6                 | 1.8                  | 0.0              | 193 | 14.0 |
| 2016-05-24 10:39:00 | 37.361   | -98.163   | 5.0        | 1.5            | 0.8                 | 0.8                  | 0.0              | 153 | 13.3 |
| 2016-05-24 11:12:07 | 37.295   | -98.858   | 5.0        | 1.5            | 2.0                 | 1.9                  | 0.0              | 168 | 17.3 |
| 2016-05-24 13:50:58 | 37.310   | -98.856   | 5.0        | 2.5            | 1.1                 | 0.9                  | 0.0              | 144 | 20.3 |
| 2016-05-24 15:33:32 | 37.072   | -97.726   | 5.0        | 1.9            | 1.2                 | 0.8                  | 0.0              | 200 | 15.6 |
| 2016-05-24 17:29:38 | 37.046   | -99.327   | 5.0        | 2.3            | 3.1                 | 3.0                  | 0.0              | 270 | 8.3  |
| 2016-05-24 21:07:48 | 37.503   | -97.716   | 5.0        | 1.9            | 1.7                 | 1.7                  | 0.0              | 150 | 13.6 |
| 2016-05-24 21:46:47 | 37.307   | -97.819   | 5.0        | 2.4            | 2.3                 | 2.3                  | 0.0              | 139 | 17.8 |
| 2016-05-24 22:33:56 | 37.319   | -97.832   | 5.0        | 2.2            | 1.7                 | 1.7                  | 0.0              | 151 | 16.8 |
| 2016-05-24 23:06:59 | 37.494   | -97.745   | 5.0        | 2.4            | 1.7                 | 1.8                  | 0.0              | 96  | 16.8 |
| 2016-05-24 23:43:21 | 37.316   | -98.868   | 5.0        | 2.0            | 1.3                 | 1.1                  | 0.0              | 138 | 19.0 |
| 2016-05-25 00:38:44 | 37.053   | -97.682   | 5.0        | 1.5            | 2.8                 | 2.6                  | 0.0              | 262 | 14.3 |
| 2016-05-25 03:26:05 | 37.062   | -98.835   | 5.0        | 1.7            | 2.0                 | 1.8                  | 0.0              | 252 | 14.9 |
| 2016-05-25 05:56:46 | 37.316   | -98.897   | 5.0        | 1.7            | 1.0                 | 1.2                  | 0.0              | 155 | 17.9 |
| 2016-05-25 09:51:43 | 37.315   | -98.894   | 5.0        | 1.8            | 1.1                 | 1.0                  | 0.0              | 145 | 18.2 |
| 2016-05-25 10:14:39 | 37.292   | -98.874   | 5.0        | 2.1            | 2.8                 | 2.2                  | 0.0              | 147 | 19.4 |
| 2016-05-25 11:05:30 | 37.310   | -98.868   | 5.0        | 1.9            | 1.1                 | 0.8                  | 0.0              | 161 | 18.6 |
| 2016-05-25 11:49:10 | 37.199   | -98.018   | 5.0        | 2.2            | 1.3                 | 1.0                  | 0.0              | 170 | 16.8 |
| 2016-05-25 19:23:13 | 37.056   | -97.736   | 5.0        | 2.4            | 2.4                 | 1.8                  | 0.0              | 192 | 15.8 |
| 2016-05-25 19:49:41 | 37.231   | -97.867   | 5.0        | 1.2            | 1.9                 | 1.9                  | 0.0              | 242 | 13.4 |
| 2016-05-25 21:10:24 | 37.233   | -97.873   | 5.0        | 1.5            | 1.9                 | 1.5                  | 0.0              | 164 | 15.3 |
| 2016-05-25 21:16:36 | 37.316   | -98.883   | 5.0        | 2.0            | 1.8                 | 1.7                  | 0.0              | 130 | 19.0 |
| 2016-05-25 23:37:21 | 37.256   | -98.822   | 5.0        | 1.7            | 2.3                 | 1.8                  | 0.0              | 177 | 17.9 |
| 2016-05-26 00:36:58 | 37.315   | -98.873   | 5.0        | 2.0            | 1.5                 | 1.5                  | 0.0              | 155 | 19.0 |
| 2016-05-26 00:56:29 | 37.140   | -98.000   | 5.0        | 1.9            | 2.3                 | 1.7                  | 0.0              | 178 | 16.6 |
| 2016-05-26 02:33:38 | 37.328   | -98.899   | 5.0        | 2.0            | 1.9                 | 2.1                  | 0.0              | 133 | 19.0 |
| 2016-05-26 03:29:23 | 37.280   | -98.841   | 5.0        | 1.9            | 1.6                 | 1.2                  | 0.0              | 172 | 18.6 |
| 2016-05-26 06:03:50 | 37.085   | -98.040   | 5.0        | 1.9            | 2.5                 | 1.9                  | 0.0              | 185 | 16.6 |
| 2016-05-26 08:24:41 | 37.309   | -98.875   | 5.0        | 1.8            | 1.1                 | 1.0                  | 0.0              | 139 | 18.2 |
| 2016-05-26 08:27:51 | 37.291   | -98.850   | 5.0        | 1.9            | 2.1                 | 1.7                  | 0.0              | 148 | 18.6 |
| 2016-05-26 10:36:57 | 37.054   | -97.965   | 5.0        | 2.0            | 2.0                 | 1.5                  | 0.0              | 190 | 17.0 |
| 2016-05-26 11:55:56 | 37.296   | -98.870   | 5.0        | 2.0            | 1.4                 | 1.2                  | 0.0              | 146 | 19.0 |

| origin time (UTC)   | latitude | longitude | depth (km) | magnitude (MC) | latitude error (km) | longitude error (km) | depth error (km) | gap | SAS  |
|---------------------|----------|-----------|------------|----------------|---------------------|----------------------|------------------|-----|------|
| 2016-05-26 13:37:41 | 37.251   | -98.826   | 5.0        | 1.9            | 2.0                 | 1.5                  | 0.0              | 155 | 18.6 |
| 2016-05-26 14:25:45 | 37.227   | -97.832   | 5.0        | 1.9            | 1.1                 | 1.0                  | 0.0              | 165 | 15.6 |
| 2016-05-26 16:08:22 | 37.320   | -98.911   | 5.0        | 2.1            | 1.4                 | 1.8                  | 0.0              | 129 | 19.4 |
| 2016-05-26 16:16:55 | 37.307   | -98.873   | 5.0        | 1.5            | 1.0                 | 1.4                  | 0.0              | 216 | 17.3 |
| 2016-05-26 19:26:40 | 37.309   | -98.914   | 5.0        | 1.8            | 2.2                 | 2.2                  | 0.0              | 148 | 18.2 |
| 2016-05-26 21:05:35 | 37.286   | -98.865   | 5.0        | 1.6            | 1.7                 | 1.3                  | 0.0              | 183 | 17.6 |
| 2016-05-26 23:02:30 | 37.219   | -97.496   | 5.0        | 1.8            | 3.0                 | 2.8                  | 0.0              | 185 | 10.2 |
| 2016-05-27 01:44:58 | 37.308   | -98.849   | 5.0        | 1.8            | 2.1                 | 1.7                  | 0.0              | 210 | 18.2 |
| 2016-05-27 02:01:37 | 37.295   | -98.861   | 5.0        | 2.1            | 1.4                 | 1.0                  | 0.0              | 147 | 19.4 |
| 2016-05-27 02:32:18 | 37.257   | -98.836   | 5.0        | 1.7            | 3.0                 | 2.0                  | 0.0              | 154 | 17.9 |
| 2016-05-27 03:02:54 | 37.334   | -98.886   | 5.0        | 1.8            | 2.3                 | 1.5                  | 0.0              | 159 | 18.2 |
| 2016-05-27 05:02:55 | 37.013   | -97.932   | 5.0        | 1.9            | 2.1                 | 1.4                  | 0.0              | 196 | 15.6 |
| 2016-05-27 09:29:27 | 37.341   | -97.490   | 5.0        | 2.2            | 2.0                 | 2.2                  | 0.0              | 159 | 15.8 |
| 2016-05-27 13:21:16 | 37.314   | -98.858   | 5.0        | 2.0            | 2.4                 | 1.8                  | 0.0              | 144 | 19.0 |
| 2016-05-27 20:17:57 | 37.430   | -98.918   | 5.0        | 1.7            | 2.6                 | 4.2                  | 0.0              | 147 | 8.9  |
| 2016-05-28 02:39:21 | 37.003   | -97.781   | 5.0        | 1.8            | 1.6                 | 1.1                  | 0.0              | 200 | 14.2 |
| 2016-05-28 06:42:51 | 37.406   | -98.872   | 5.0        | 1.4            | 1.8                 | 1.9                  | 0.0              | 161 | 14.0 |
| 2016-05-28 10:22:33 | 37.289   | -98.870   | 5.0        | 1.6            | 2.6                 | 1.9                  | 0.0              | 168 | 17.6 |
| 2016-05-28 11:43:05 | 37.179   | -98.016   | 5.0        | 2.2            | 2.3                 | 1.8                  | 0.0              | 172 | 15.8 |
| 2016-05-28 12:46:05 | 37.280   | -97.575   | 5.0        | 2.2            | 1.9                 | 2.0                  | 0.0              | 149 | 14.8 |
| 2016-05-28 14:12:49 | 37.305   | -97.560   | 5.0        | 1.5            | 3.0                 | 3.3                  | 0.0              | 150 | 13.3 |
| 2016-05-28 19:03:06 | 37.042   | -97.945   | 5.0        | 2.1            | 3.9                 | 2.9                  | 0.0              | 192 | 15.4 |
| 2016-05-29 03:59:16 | 37.304   | -98.884   | 5.0        | 1.1            | 3.3                 | 4.8                  | 0.0              | 213 | 16.2 |
| 2016-05-29 04:18:10 | 37.284   | -98.861   | 5.0        | 1.5            | 1.9                 | 1.8                  | 0.0              | 183 | 17.3 |
| 2016-05-29 05:05:36 | 37.293   | -98.841   | 5.0        | 1.6            | 2.2                 | 1.9                  | 0.0              | 183 | 17.6 |
| 2016-05-29 08:21:11 | 37.392   | -97.731   | 5.0        | 2.6            | 2.7                 | 2.8                  | 0.0              | 138 | 15.8 |
| 2016-05-29 12:03:36 | 37.269   | -98.845   | 5.0        | 1.5            | 3.5                 | 3.1                  | 0.0              | 187 | 17.3 |
| 2016-05-29 12:06:14 | 37.225   | -98.798   | 5.0        | 1.5            | 3.2                 | 4.6                  | 0.0              | 244 | 16.3 |
| 2016-05-29 13:16:44 | 37.380   | -97.749   | 5.0        | 2.0            | 1.4                 | 1.7                  | 0.0              | 121 | 15.0 |
| 2016-05-30 01:10:28 | 37.354   | -97.796   | 5.0        | 2.0            | 1.5                 | 1.6                  | 0.0              | 126 | 16.0 |
| 2016-05-30 08:04:59 | 37.894   | -98.016   | 5.0        | 1.5            | 1.1                 | 1.8                  | 0.0              | 161 | 5.3  |
| 2016-05-30 12:16:26 | 37.418   | -97.621   | 5.0        | 1.6            | 1.3                 | 1.7                  | 0.0              | 149 | 7.6  |
| 2016-05-30 15:36:04 | 37.245   | -97.586   | 5.0        | 1.3            | 1.3                 | 1.2                  | 0.0              | 159 | 13.7 |
| 2016-05-30 16:12:46 | 37.253   | -97.573   | 5.0        | 1.3            | 1.4                 | 1.3                  | 0.0              | 156 | 13.7 |
| 2016-05-30 17:51:22 | 37.168   | -97.825   | 5.0        | 1.3            | 1.6                 | 1.1                  | 0.0              | 193 | 12.7 |
| 2016-05-30 19:13:17 | 37.307   | -98.870   | 5.0        | 1.9            | 2.2                 | 1.9                  | 0.0              | 142 | 15.6 |
| 2016-05-30 23:05:28 | 37.310   | -98.002   | 5.0        | 1.5            | 1.1                 | 0.9                  | 0.0              | 163 | 15.3 |
| 2016-05-31 00:02:39 | 37.278   | -98.880   | 5.0        | 1.8            | 2.3                 | 1.9                  | 0.0              | 183 | 15.2 |
| 2016-05-31 08:44:08 | 37.179   | -97.800   | 5.0        | 2.0            | 1.8                 | 1.5                  | 0.0              | 181 | 15.0 |
| 2016-05-31 11:41:37 | 37.232   | -98.016   | 5.0        | 1.7            | 2.7                 | 2.1                  | 0.0              | 222 | 14.9 |
| 2016-05-31 13:52:46 | 37.014   | -97.594   | 5.0        | 2.0            | 2.4                 | 1.8                  | 0.0              | 203 | 15.0 |
| 2016-05-31 20:23:00 | 37.182   | -97.754   | 5.0        | 1.4            | 1.2                 | 1.1                  | 0.0              | 205 | 14.0 |
| 2016-05-31 22:25:44 | 37.095   | -98.028   | 5.0        | 1.6            | 2.5                 | 1.3                  | 0.0              | 197 | 13.6 |
| 2016-06-01 00:44:22 | 37.318   | -98.056   | 5.0        | 1.9            | 2.2                 | 1.8                  | 0.0              | 154 | 15.6 |
| 2016-06-01 07:08:15 | 37.438   | -98.938   | 5.0        | 1.5            | 1.1                 | 1.4                  | 0.0              | 108 | 12.3 |
| 2016-06-01 09:28:50 | 37.893   | -98.121   | 5.0        | 1.7            | 1.1                 | 1.3                  | 0.0              | 152 | 7.9  |
| 2016-06-01 18:13:26 | 37.203   | -97.987   | 5.0        | 2.9            | 1.3                 | 1.0                  | 0.0              | 169 | 18.4 |
| 2016-06-01 18:48:23 | 37.319   | -97.852   | 5.0        | 1.9            | 1.8                 | 1.9                  | 0.0              | 159 | 18.6 |
| 2016-06-01 22:10:47 | 37.423   | -98.952   | 5.0        | 1.8            | 1.3                 | 1.5                  | 0.0              | 81  | 15.2 |

| origin time (UTC)   | latitude | longitude | depth (km) | magnitude (MC) | latitude error (km) | longitude error (km) | depth error (km) | gap | SAS  |
|---------------------|----------|-----------|------------|----------------|---------------------|----------------------|------------------|-----|------|
| 2016-06-02 03:56:50 | 37.324   | -97.810   | 5.0        | 2.0            | 1.2                 | 1.2                  | 0.0              | 150 | 18.0 |
| 2016-06-02 04:40:41 | 37.328   | -97.852   | 5.0        | 2.0            | 1.0                 | 0.9                  | 0.0              | 185 | 19.0 |
| 2016-06-02 08:11:38 | 37.233   | -97.882   | 5.0        | 2.7            | 2.1                 | 1.8                  | 0.0              | 164 | 17.3 |
| 2016-06-02 08:17:01 | 37.274   | -97.909   | 5.0        | 1.6            | 1.9                 | 1.2                  | 0.0              | 167 | 17.6 |
| 2016-06-02 10:13:06 | 37.344   | -97.645   | 5.0        | 1.5            | 2.3                 | 2.3                  | 0.0              | 170 | 13.3 |
| 2016-06-02 11:12:54 | 37.232   | -97.879   | 5.0        | 1.7            | 1.8                 | 1.4                  | 0.0              | 164 | 16.9 |
| 2016-06-02 11:36:22 | 37.239   | -97.859   | 5.0        | 1.6            | 2.7                 | 1.9                  | 0.0              | 172 | 17.6 |
| 2016-06-02 12:15:57 | 37.339   | -97.823   | 5.0        | 2.0            | 2.1                 | 1.9                  | 0.0              | 148 | 18.0 |
| 2016-06-02 15:49:15 | 37.179   | -97.800   | 5.0        | 1.9            | 2.1                 | 1.8                  | 0.0              | 181 | 18.6 |
| 2016-06-02 19:31:25 | 39.475   | -99.174   | 5.0        | 2.7            | 3.4                 | 3.1                  | 0.0              | 143 | 10.3 |
| 2016-06-03 05:22:46 | 37.214   | -97.611   | 5.0        | 1.2            | 2.2                 | 2.5                  | 0.0              | 227 | 13.4 |
| 2016-06-03 05:29:40 | 37.136   | -97.819   | 5.0        | 2.1            | 2.5                 | 1.9                  | 0.0              | 179 | 16.4 |
| 2016-06-03 07:50:31 | 37.262   | -97.567   | 5.0        | 1.3            | 2.1                 | 2.4                  | 0.0              | 212 | 13.7 |
| 2016-06-04 00:14:28 | 37.147   | -97.842   | 5.0        | 1.4            | 2.0                 | 1.3                  | 0.0              | 187 | 13.0 |
| 2016-06-04 03:10:42 | 37.052   | -98.513   | 5.0        | 1.7            | 2.7                 | 1.1                  | 0.0              | 221 | 5.9  |
| 2016-06-04 05:40:22 | 37.272   | -98.838   | 5.0        | 2.0            | 2.2                 | 1.7                  | 0.0              | 173 | 15.0 |
| 2016-06-04 07:42:41 | 39.525   | -96.112   | 5.0        | 1.6            | 1.6                 | 2.7                  | 0.0              | 306 | 5.6  |
| 2016-06-04 08:12:00 | 39.414   | -99.148   | 5.0        | 1.8            | 2.6                 | 2.2                  | 0.0              | 159 | 8.2  |
| 2016-06-04 22:02:19 | 37.450   | -97.856   | 5.0        | 2.1            | 1.7                 | 1.4                  | 0.0              | 134 | 11.4 |
| 2016-06-05 01:31:56 | 37.162   | -98.867   | 5.0        | 1.6            | 2.6                 | 1.9                  | 0.0              | 170 | 9.6  |
| 2016-06-05 01:49:55 | 37.184   | -97.826   | 5.0        | 1.3            | 2.4                 | 2.7                  | 0.0              | 181 | 12.7 |
| 2016-06-05 01:51:17 | 37.313   | -98.870   | 5.0        | 1.4            | 3.0                 | 2.9                  | 0.0              | 158 | 17.0 |
| 2016-06-05 07:54:46 | 39.104   | -99.575   | 5.0        | 1.9            | 1.3                 | 1.8                  | 0.0              | 145 | 10.6 |
| 2016-06-05 08:02:29 | 37.171   | -97.948   | 5.0        | 1.8            | 3.5                 | 2.6                  | 0.0              | 173 | 14.2 |
| 2016-06-05 08:54:32 | 37.825   | -98.036   | 5.0        | 1.4            | 5.5                 | 2.2                  | 0.0              | 244 | 9.0  |
| 2016-06-05 09:52:31 | 37.294   | -98.861   | 5.0        | 1.9            | 1.6                 | 1.2                  | 0.0              | 147 | 18.6 |
| 2016-06-05 10:27:59 | 37.290   | -98.858   | 5.0        | 2.4            | 2.8                 | 2.1                  | 0.0              | 148 | 20.8 |
| 2016-06-05 10:28:11 | 37.276   | -98.827   | 5.0        | 2.2            | 1.8                 | 1.3                  | 0.0              | 173 | 19.8 |
| 2016-06-05 13:57:46 | 37.242   | -97.652   | 5.0        | 1.5            | 1.4                 | 1.3                  | 0.0              | 167 | 13.3 |
| 2016-06-05 14:40:50 | 37.314   | -98.863   | 5.0        | 1.8            | 1.5                 | 1.3                  | 0.0              | 139 | 18.2 |
| 2016-06-05 17:08:26 | 37.205   | -97.998   | 5.0        | 2.5            | 1.3                 | 1.1                  | 0.0              | 169 | 16.3 |
| 2016-06-05 17:17:34 | 37.296   | -98.873   | 5.0        | 2.0            | 2.9                 | 2.2                  | 0.0              | 146 | 19.0 |
| 2016-06-05 18:38:24 | 37.299   | -98.875   | 5.0        | 1.5            | 1.9                 | 1.8                  | 0.0              | 166 | 17.3 |
| 2016-06-05 18:39:43 | 37.266   | -98.837   | 5.0        | 1.5            | 1.9                 | 1.3                  | 0.0              | 174 | 17.3 |
| 2016-06-05 18:46:13 | 37.297   | -98.856   | 5.0        | 2.0            | 1.5                 | 1.0                  | 0.0              | 147 | 19.0 |
| 2016-06-05 19:03:33 | 37.062   | -97.994   | 5.0        | 1.9            | 2.8                 | 1.5                  | 0.0              | 189 | 14.6 |
| 2016-06-05 20:18:30 | 37.336   | -97.770   | 5.0        | 1.6            | 2.0                 | 3.1                  | 0.0              | 225 | 16.6 |
| 2016-06-05 21:17:58 | 37.314   | -98.873   | 5.0        | 1.5            | 1.9                 | 1.9                  | 0.0              | 156 | 17.3 |
| 2016-06-05 22:22:41 | 37.318   | -98.868   | 5.0        | 1.0            | 1.7                 | 1.8                  | 0.0              | 155 | 16.0 |
| 2016-06-05 22:24:18 | 37.108   | -97.593   | 5.0        | 1.6            | 3.5                 | 2.8                  | 0.0              | 184 | 13.6 |
| 2016-06-05 23:43:40 | 37.299   | -97.779   | 5.0        | 1.8            | 3.2                 | 2.3                  | 0.0              | 153 | 17.2 |
| 2016-06-06 00:25:41 | 37.346   | -97.790   | 5.0        | 1.7            | 2.6                 | 2.0                  | 0.0              | 153 | 16.9 |
| 2016-06-06 05:43:57 | 37.320   | -97.828   | 5.0        | 1.6            | 2.5                 | 2.2                  | 0.0              | 151 | 16.6 |
| 2016-06-06 08:56:37 | 37.428   | -98.911   | 5.0        | 1.3            | 1.5                 | 2.5                  | 0.0              | 150 | 12.7 |
| 2016-06-06 11:10:08 | 37.434   | -98.917   | 5.0        | 0.7            | 1.3                 | 2.2                  | 0.0              | 175 | 11.5 |
| 2016-06-06 11:51:59 | 39.094   | -99.579   | 5.0        | 2.3            | 2.3                 | 2.6                  | 0.0              | 120 | 15.3 |
| 2016-06-06 15:13:41 | 39.055   | -99.596   | 5.0        | 1.7            | 2.6                 | 3.7                  | 0.0              | 148 | 15.9 |
| 2016-06-06 15:56:04 | 37.193   | -97.946   | 5.0        | 1.8            | 2.9                 | 2.3                  | 0.0              | 181 | 15.2 |
| 2016-06-06 17:45:51 | 37.305   | -97.605   | 5.0        | 1.7            | 3.1                 | 3.9                  | 0.0              | 208 | 13.9 |



| origin time (UTC)   | latitude | longitude | depth (km) | magnitude (MC) | latitude error (km) | longitude error (km) | depth error (km) | gap | SAS  |
|---------------------|----------|-----------|------------|----------------|---------------------|----------------------|------------------|-----|------|
| 2016-06-06 22:16:51 | 39.054   | -99.629   | 5.0        | 1.5            | 2.1                 | 3.1                  | 0.0              | 142 | 15.3 |
| 2016-06-06 22:54:34 | 37.303   | -98.869   | 5.0        | 1.8            | 3.6                 | 2.8                  | 0.0              | 145 | 18.2 |
| 2016-06-06 23:57:04 | 37.508   | -97.746   | 5.0        | 1.8            | 1.9                 | 1.4                  | 0.0              | 124 | 12.2 |
| 2016-06-07 03:23:20 | 37.287   | -98.864   | 5.0        | 2.1            | 2.0                 | 1.6                  | 0.0              | 148 | 19.4 |
| 2016-06-07 04:03:31 | 37.281   | -98.852   | 5.0        | 1.4            | 2.1                 | 1.7                  | 0.0              | 171 | 17.0 |
| 2016-06-07 06:44:53 | 39.085   | -99.568   | 5.0        | 1.9            | 1.5                 | 1.9                  | 0.0              | 148 | 17.6 |
| 2016-06-07 11:05:52 | 37.299   | -98.857   | 5.0        | 1.9            | 2.3                 | 1.9                  | 0.0              | 146 | 18.6 |
| 2016-06-07 11:20:42 | 37.318   | -98.882   | 5.0        | 1.4            | 1.2                 | 1.3                  | 0.0              | 149 | 17.0 |
| 2016-06-07 11:41:35 | 37.199   | -97.985   | 5.0        | 1.7            | 2.4                 | 1.7                  | 0.0              | 170 | 14.9 |
| 2016-06-07 13:10:22 | 37.360   | -98.917   | 5.0        | 1.3            | 1.4                 | 1.8                  | 0.0              | 112 | 16.7 |
| 2016-06-08 02:06:06 | 37.278   | -98.850   | 5.0        | 1.9            | 3.6                 | 2.9                  | 0.0              | 150 | 18.6 |
| 2016-06-08 02:24:39 | 37.302   | -98.861   | 5.0        | 1.8            | 2.9                 | 2.3                  | 0.0              | 146 | 18.2 |
| 2016-06-08 03:25:21 | 37.290   | -98.901   | 5.0        | 1.7            | 3.3                 | 3.4                  | 0.0              | 178 | 17.9 |
| 2016-06-08 04:07:27 | 37.311   | -98.855   | 5.0        | 1.8            | 1.9                 | 1.6                  | 0.0              | 144 | 18.2 |
| 2016-06-08 04:18:43 | 37.876   | -98.043   | 5.0        | 1.8            | 1.3                 | 1.5                  | 0.0              | 157 | 12.2 |
| 2016-06-08 04:23:35 | 37.316   | -98.878   | 5.0        | 1.6            | 3.1                 | 4.6                  | 0.0              | 206 | 17.6 |
| 2016-06-08 04:50:08 | 37.210   | -98.944   | 5.0        | 1.5            | 2.5                 | 2.1                  | 0.0              | 192 | 9.3  |
| 2016-06-08 05:20:32 | 37.020   | -97.612   | 5.0        | 1.9            | 3.1                 | 2.4                  | 0.0              | 201 | 14.6 |
| 2016-06-08 06:29:11 | 37.301   | -98.885   | 5.0        | 1.7            | 2.3                 | 1.9                  | 0.0              | 162 | 17.9 |
| 2016-06-08 08:02:45 | 37.585   | -97.776   | 5.0        | 2.3            | 1.9                 | 1.8                  | 0.0              | 149 | 16.3 |
| 2016-06-08 08:11:49 | 37.285   | -98.844   | 5.0        | 1.4            | 2.9                 | 2.4                  | 0.0              | 170 | 17.0 |
| 2016-06-08 10:54:57 | 37.300   | -98.861   | 5.0        | 1.5            | 1.4                 | 1.3                  | 0.0              | 167 | 17.3 |
| 2016-06-08 10:56:47 | 37.316   | -98.878   | 5.0        | 1.9            | 2.0                 | 2.0                  | 0.0              | 132 | 18.6 |
| 2016-06-08 12:21:59 | 37.293   | -98.860   | 5.0        | 1.7            | 1.6                 | 1.4                  | 0.0              | 168 | 17.9 |
| 2016-06-08 13:16:50 | 37.300   | -98.833   | 5.0        | 1.4            | 2.1                 | 1.9                  | 0.0              | 168 | 17.0 |
| 2016-06-08 18:39:02 | 37.300   | -98.859   | 5.0        | 1.8            | 2.0                 | 1.5                  | 0.0              | 146 | 18.2 |
| 2016-06-08 20:43:10 | 37.314   | -98.867   | 5.0        | 1.8            | 3.0                 | 2.9                  | 0.0              | 158 | 18.2 |
| 2016-06-08 20:52:16 | 37.314   | -98.875   | 5.0        | 2.2            | 1.9                 | 1.6                  | 0.0              | 155 | 19.8 |
| 2016-06-09 05:35:58 | 37.295   | -98.861   | 5.0        | 1.7            | 1.7                 | 1.3                  | 0.0              | 155 | 17.9 |
| 2016-06-09 06:19:26 | 37.314   | -98.848   | 5.0        | 1.8            | 2.2                 | 1.9                  | 0.0              | 144 | 18.2 |
| 2016-06-09 06:30:47 | 37.339   | -98.888   | 5.0        | 1.5            | 3.5                 | 5.0                  | 0.0              | 174 | 17.3 |
| 2016-06-09 06:35:00 | 37.280   | -98.864   | 5.0        | 1.8            | 1.9                 | 1.3                  | 0.0              | 170 | 18.2 |
| 2016-06-09 14:57:15 | 37.351   | -99.043   | 5.0        | 1.2            | 1.4                 | 2.1                  | 0.0              | 180 | 4.4  |
| 2016-06-09 17:44:46 | 37.818   | -95.569   | 5.0        | 1.8            | 3.9                 | 2.3                  | 0.0              | 168 | 6.2  |
| 2016-06-09 19:16:48 | 37.442   | -97.868   | 5.0        | 1.9            | 3.6                 | 3.0                  | 0.0              | 136 | 14.6 |
| 2016-06-09 19:20:58 | 37.450   | -97.862   | 5.0        | 2.4            | 3.4                 | 2.5                  | 0.0              | 134 | 17.8 |
| 2016-06-09 22:56:05 | 37.261   | -97.635   | 5.0        | 1.8            | 2.0                 | 1.8                  | 0.0              | 162 | 14.2 |
| 2016-06-10 05:31:36 | 37.051   | -97.862   | 5.0        | 1.6            | 2.1                 | 1.6                  | 0.0              | 203 | 15.6 |
| 2016-06-10 10:00:44 | 37.010   | -97.611   | 5.0        | 2.1            | 2.7                 | 2.0                  | 0.0              | 203 | 15.4 |
| 2016-06-10 10:46:13 | 37.442   | -97.857   | 5.0        | 1.5            | 1.7                 | 1.5                  | 0.0              | 140 | 14.3 |
| 2016-06-10 12:58:12 | 37.008   | -99.136   | 5.0        | 1.6            | 5.9                 | 2.8                  | 0.0              | 236 | 5.6  |
| 2016-06-10 18:31:55 | 37.227   | -97.891   | 5.0        | 2.2            | 2.3                 | 1.9                  | 0.0              | 165 | 14.8 |
| 2016-06-10 20:10:05 | 37.313   | -98.869   | 5.0        | 2.3            | 2.2                 | 1.9                  | 0.0              | 138 | 19.3 |
| 2016-06-10 20:13:54 | 37.308   | -98.870   | 5.0        | 2.0            | 2.9                 | 2.4                  | 0.0              | 141 | 19.0 |
| 2016-06-10 21:41:36 | 37.306   | -98.860   | 5.0        | 1.7            | 3.1                 | 2.5                  | 0.0              | 166 | 17.9 |
| 2016-06-10 22:25:30 | 37.092   | -97.888   | 5.0        | 2.0            | 4.9                 | 4.3                  | 0.0              | 196 | 16.0 |
| 2016-06-11 00:18:08 | 37.293   | -98.853   | 5.0        | 1.9            | 2.2                 | 1.7                  | 0.0              | 148 | 18.6 |
| 2016-06-11 01:44:45 | 37.192   | -97.748   | 5.0        | 1.4            | 1.7                 | 1.2                  | 0.0              | 169 | 17.0 |
| 2016-06-11 01:54:56 | 37.206   | -97.681   | 5.0        | 1.5            | 3.7                 | 3.3                  | 0.0              | 166 | 17.3 |

| origin time (UTC)   | latitude | longitude | depth (km) | magnitude (MC) | latitude error (km) | longitude error (km) | depth error (km) | gap | SAS  |
|---------------------|----------|-----------|------------|----------------|---------------------|----------------------|------------------|-----|------|
| 2016-06-11 01:56:34 | 37.196   | -97.737   | 5.0        | 1.2            | 3.0                 | 2.1                  | 0.0              | 177 | 16.4 |
| 2016-06-11 01:58:32 | 37.205   | -97.756   | 5.0        | 2.1            | 3.1                 | 2.0                  | 0.0              | 167 | 19.4 |
| 2016-06-11 02:07:55 | 37.208   | -97.751   | 5.0        | 1.9            | 2.3                 | 1.6                  | 0.0              | 167 | 18.6 |
| 2016-06-11 03:12:04 | 37.039   | -97.783   | 5.0        | 2.1            | 3.1                 | 2.2                  | 0.0              | 194 | 15.4 |
| 2016-06-11 03:14:25 | 37.216   | -97.747   | 5.0        | 2.3            | 2.7                 | 2.2                  | 0.0              | 165 | 20.3 |
| 2016-06-11 03:23:10 | 37.306   | -98.873   | 5.0        | 1.9            | 2.7                 | 2.3                  | 0.0              | 162 | 18.6 |
| 2016-06-11 05:24:25 | 37.200   | -97.747   | 5.0        | 1.9            | 2.4                 | 1.6                  | 0.0              | 168 | 18.6 |
| 2016-06-11 05:48:12 | 37.195   | -97.745   | 5.0        | 2.1            | 2.9                 | 2.5                  | 0.0              | 169 | 19.4 |
| 2016-06-11 06:03:20 | 37.209   | -97.732   | 5.0        | 2.2            | 4.1                 | 3.2                  | 0.0              | 166 | 19.8 |
| 2016-06-11 06:49:52 | 37.211   | -97.743   | 5.0        | 2.1            | 2.4                 | 2.1                  | 0.0              | 166 | 19.4 |
| 2016-06-11 07:00:33 | 37.202   | -97.742   | 5.0        | 2.1            | 2.5                 | 2.2                  | 0.0              | 167 | 19.4 |
| 2016-06-11 07:27:09 | 37.211   | -97.747   | 5.0        | 3.1            | 2.6                 | 2.1                  | 0.0              | 166 | 20.6 |
| 2016-06-11 07:37:04 | 37.209   | -97.732   | 5.0        | 1.7            | 1.6                 | 1.5                  | 0.0              | 199 | 17.9 |
| 2016-06-11 07:44:07 | 37.197   | -97.736   | 5.0        | 1.8            | 1.7                 | 1.4                  | 0.0              | 177 | 18.2 |
| 2016-06-11 07:47:51 | 37.198   | -97.747   | 5.0        | 1.3            | 1.6                 | 2.3                  | 0.0              | 271 | 16.7 |
| 2016-06-11 08:01:58 | 37.177   | -97.772   | 5.0        | 1.4            | 2.5                 | 2.1                  | 0.0              | 181 | 17.0 |
| 2016-06-11 08:05:59 | 37.302   | -98.866   | 5.0        | 1.5            | 2.5                 | 2.0                  | 0.0              | 166 | 17.3 |
| 2016-06-11 08:33:15 | 37.192   | -97.735   | 5.0        | 2.0            | 3.3                 | 2.1                  | 0.0              | 169 | 19.0 |
| 2016-06-11 08:48:26 | 37.199   | -97.754   | 5.0        | 2.0            | 2.1                 | 1.7                  | 0.0              | 168 | 19.0 |
| 2016-06-11 08:51:42 | 37.198   | -97.747   | 5.0        | 2.0            | 1.7                 | 1.5                  | 0.0              | 168 | 19.0 |
| 2016-06-11 09:07:57 | 37.207   | -97.726   | 5.0        | 1.4            | 1.0                 | 0.9                  | 0.0              | 199 | 17.0 |
| 2016-06-11 09:15:14 | 37.284   | -98.854   | 5.0        | 1.4            | 3.1                 | 2.4                  | 0.0              | 170 | 17.0 |
| 2016-06-11 09:25:04 | 37.194   | -97.754   | 5.0        | 2.1            | 2.6                 | 2.1                  | 0.0              | 169 | 19.4 |
| 2016-06-11 09:38:29 | 37.211   | -97.733   | 5.0        | 1.9            | 2.6                 | 2.3                  | 0.0              | 166 | 18.6 |
| 2016-06-11 10:13:42 | 37.197   | -97.749   | 5.0        | 1.5            | 0.8                 | 0.7                  | 0.0              | 177 | 17.3 |
| 2016-06-11 10:18:29 | 37.211   | -97.724   | 5.0        | 1.5            | 0.9                 | 0.9                  | 0.0              | 174 | 17.3 |
| 2016-06-11 10:21:42 | 37.016   | -97.626   | 5.0        | 1.6            | 2.5                 | 1.9                  | 0.0              | 201 | 13.6 |
| 2016-06-11 10:23:11 | 37.187   | -97.738   | 5.0        | 1.7            | 2.2                 | 1.7                  | 0.0              | 170 | 17.9 |
| 2016-06-11 10:24:28 | 37.224   | -97.746   | 5.0        | 1.7            | 3.1                 | 2.8                  | 0.0              | 164 | 17.9 |
| 2016-06-11 10:33:06 | 37.195   | -97.743   | 5.0        | 1.6            | 1.4                 | 1.3                  | 0.0              | 177 | 17.6 |
| 2016-06-11 11:08:51 | 37.295   | -97.498   | 5.0        | 1.1            | 4.0                 | 4.8                  | 0.0              | 208 | 14.2 |
| 2016-06-11 11:14:19 | 37.210   | -97.756   | 5.0        | 2.1            | 2.6                 | 1.8                  | 0.0              | 166 | 19.4 |
| 2016-06-11 14:16:34 | 37.279   | -97.499   | 5.0        | 1.0            | 2.3                 | 2.9                  | 0.0              | 212 | 15.0 |
| 2016-06-11 18:42:25 | 37.305   | -97.471   | 5.0        | 1.0            | 2.3                 | 2.8                  | 0.0              | 199 | 14.0 |
| 2016-06-11 23:57:13 | 37.197   | -97.749   | 5.0        | 1.3            | 1.4                 | 1.3                  | 0.0              | 177 | 16.7 |
| 2016-06-12 00:13:59 | 37.195   | -97.575   | 5.0        | 1.6            | 2.9                 | 2.5                  | 0.0              | 174 | 17.6 |
| 2016-06-12 00:23:00 | 37.184   | -97.552   | 5.0        | 1.3            | 3.1                 | 3.9                  | 0.0              | 245 | 16.7 |
| 2016-06-12 01:54:58 | 37.197   | -97.530   | 5.0        | 1.4            | 9.7                 | 10.0                 | 0.0              | 238 | 17.0 |
| 2016-06-12 04:20:44 | 37.386   | -97.936   | 5.0        | 1.3            | 3.0                 | 4.8                  | 0.0              | 246 | 12.7 |
| 2016-06-12 05:01:53 | 37.228   | -97.699   | 5.0        | 1.6            | 2.3                 | 3.1                  | 0.0              | 234 | 17.6 |
| 2016-06-12 05:18:09 | 37.216   | -97.713   | 5.0        | 1.3            | 2.0                 | 2.7                  | 0.0              | 237 | 16.7 |
| 2016-06-12 08:28:12 | 37.130   | -97.569   | 5.0        | 1.7            | 3.0                 | 2.3                  | 0.0              | 180 | 17.9 |
| 2016-06-12 11:13:55 | 37.199   | -97.753   | 5.0        | 2.1            | 2.2                 | 1.6                  | 0.0              | 168 | 19.4 |
| 2016-06-12 11:15:48 | 37.190   | -97.747   | 5.0        | 1.8            | 1.7                 | 1.1                  | 0.0              | 169 | 18.2 |
| 2016-06-12 11:26:25 | 37.182   | -97.754   | 5.0        | 1.6            | 1.5                 | 1.1                  | 0.0              | 171 | 17.6 |
| 2016-06-12 11:35:46 | 37.209   | -97.757   | 5.0        | 2.4            | 2.6                 | 2.0                  | 0.0              | 167 | 20.8 |
| 2016-06-12 11:39:14 | 37.193   | -97.748   | 5.0        | 1.6            | 2.0                 | 1.1                  | 0.0              | 169 | 17.6 |
| 2016-06-12 11:44:34 | 37.183   | -97.743   | 5.0        | 2.0            | 2.2                 | 1.3                  | 0.0              | 171 | 19.0 |
| 2016-06-12 11:58:26 | 37.182   | -97.747   | 5.0        | 1.1            | 1.1                 | 0.8                  | 0.0              | 171 | 16.2 |

| origin time (UTC)   | latitude | longitude | depth (km) | magnitude (MC) | latitude error (km) | longitude error (km) | depth error (km) | gap | SAS  |
|---------------------|----------|-----------|------------|----------------|---------------------|----------------------|------------------|-----|------|
| 2016-06-12 13:11:20 | 37.183   | -97.612   | 5.0        | 1.4            | 2.5                 | 2.7                  | 0.0              | 234 | 17.0 |
| 2016-06-12 14:06:21 | 37.038   | -97.529   | 5.0        | 1.5            | 2.2                 | 1.9                  | 0.0              | 274 | 13.3 |
| 2016-06-12 15:03:59 | 37.205   | -97.886   | 5.0        | 2.0            | 2.3                 | 1.6                  | 0.0              | 168 | 17.0 |
| 2016-06-12 18:01:48 | 37.416   | -97.447   | 5.0        | 1.1            | 2.4                 | 3.3                  | 0.0              | 198 | 6.2  |
| 2016-06-12 19:53:27 | 37.339   | -98.907   | 5.0        | 1.8            | 2.8                 | 3.0                  | 0.0              | 153 | 18.2 |
| 2016-06-12 21:38:56 | 37.217   | -97.819   | 5.0        | 1.9            | 2.0                 | 1.5                  | 0.0              | 166 | 18.6 |
| 2016-06-13 00:56:33 | 37.393   | -98.022   | 5.0        | 2.1            | 2.2                 | 1.7                  | 0.0              | 150 | 14.4 |
| 2016-06-13 03:49:47 | 37.220   | -97.798   | 5.0        | 2.0            | 2.1                 | 1.7                  | 0.0              | 165 | 19.0 |
| 2016-06-13 05:19:31 | 37.400   | -98.007   | 5.0        | 1.3            | 1.6                 | 2.8                  | 0.0              | 258 | 12.7 |
| 2016-06-13 05:53:50 | 37.302   | -98.859   | 5.0        | 2.3            | 2.0                 | 1.7                  | 0.0              | 146 | 19.3 |
| 2016-06-13 06:02:58 | 39.652   | -98.603   | 5.0        | 2.1            | 3.6                 | 4.8                  | 0.0              | 172 | 7.4  |
| 2016-06-13 06:05:33 | 37.305   | -98.862   | 5.0        | 2.2            | 2.0                 | 1.5                  | 0.0              | 145 | 18.8 |
| 2016-06-13 06:14:32 | 37.300   | -98.871   | 5.0        | 1.5            | 3.7                 | 2.9                  | 0.0              | 166 | 17.3 |
| 2016-06-13 06:29:52 | 37.185   | -98.265   | 5.0        | 1.3            | 6.6                 | 4.1                  | 0.0              | 212 | 6.7  |
| 2016-06-13 06:51:14 | 37.300   | -98.871   | 5.0        | 1.5            | 3.7                 | 3.6                  | 0.0              | 166 | 17.3 |
| 2016-06-13 09:11:16 | 37.307   | -98.869   | 5.0        | 1.6            | 2.5                 | 2.4                  | 0.0              | 163 | 17.6 |
| 2016-06-13 10:39:51 | 37.200   | -97.817   | 5.0        | 1.5            | 4.1                 | 6.4                  | 0.0              | 281 | 17.3 |
| 2016-06-13 14:13:35 | 37.209   | -97.817   | 5.0        | 1.3            | 2.6                 | 3.2                  | 0.0              | 249 | 15.7 |
| 2016-06-13 19:18:57 | 37.276   | -98.858   | 5.0        | 1.5            | 3.2                 | 2.6                  | 0.0              | 171 | 17.3 |
| 2016-06-13 19:22:00 | 37.215   | -98.771   | 5.0        | 1.7            | 4.2                 | 3.1                  | 0.0              | 163 | 13.9 |
| 2016-06-13 19:39:17 | 37.298   | -97.611   | 5.0        | 1.3            | 1.3                 | 2.5                  | 0.0              | 201 | 14.7 |
| 2016-06-13 22:24:26 | 37.014   | -98.748   | 5.0        | 1.4            | 1.7                 | 1.0                  | 0.0              | 223 | 9.0  |
| 2016-06-13 22:48:49 | 38.066   | -97.695   | 5.0        | 1.7            | 4.5                 | 5.5                  | 0.0              | 148 | 5.9  |
| 2016-06-14 01:18:22 | 37.302   | -98.884   | 5.0        | 1.8            | 2.6                 | 2.2                  | 0.0              | 161 | 18.2 |
| 2016-06-14 01:27:25 | 37.259   | -97.607   | 5.0        | 1.2            | 1.7                 | 2.8                  | 0.0              | 224 | 14.4 |
| 2016-06-14 03:07:39 | 37.184   | -97.743   | 5.0        | 1.5            | 2.5                 | 1.8                  | 0.0              | 179 | 17.3 |
| 2016-06-14 03:18:41 | 37.182   | -98.003   | 5.0        | 1.7            | 1.6                 | 1.3                  | 0.0              | 218 | 13.9 |
| 2016-06-14 04:47:56 | 37.231   | -97.819   | 5.0        | 1.5            | 1.7                 | 1.4                  | 0.0              | 168 | 17.3 |
| 2016-06-14 11:06:28 | 37.128   | -97.692   | 5.0        | 1.6            | 3.3                 | 3.2                  | 0.0              | 250 | 14.6 |
| 2016-06-14 14:31:31 | 37.214   | -97.735   | 5.0        | 2.1            | 2.4                 | 1.7                  | 0.0              | 174 | 17.4 |
| 2016-06-14 14:33:52 | 37.221   | -97.745   | 5.0        | 2.4            | 1.5                 | 1.1                  | 0.0              | 164 | 18.8 |
| 2016-06-14 14:39:56 | 37.210   | -97.735   | 5.0        | 1.1            | 1.6                 | 1.1                  | 0.0              | 174 | 14.2 |
| 2016-06-14 14:40:33 | 37.217   | -97.747   | 5.0        | 2.2            | 2.6                 | 1.9                  | 0.0              | 165 | 17.8 |
| 2016-06-14 15:13:52 | 37.291   | -97.628   | 5.0        | 0.9            | 1.4                 | 2.5                  | 0.0              | 215 | 13.8 |
| 2016-06-15 00:55:40 | 37.083   | -97.726   | 5.0        | 2.5            | 4.6                 | 3.0                  | 0.0              | 188 | 17.3 |
| 2016-06-15 05:58:22 | 37.574   | -97.815   | 5.0        | 2.2            | 1.2                 | 1.3                  | 0.0              | 134 | 14.8 |
| 2016-06-15 06:26:07 | 37.283   | -97.633   | 5.0        | 1.9            | 1.6                 | 1.5                  | 0.0              | 131 | 14.6 |
| 2016-06-15 07:32:01 | 37.087   | -97.498   | 5.0        | 1.2            | 2.5                 | 2.1                  | 0.0              | 262 | 13.4 |
| 2016-06-15 09:13:48 | 37.012   | -98.741   | 5.0        | 1.3            | 2.8                 | 1.8                  | 0.0              | 213 | 8.7  |
| 2016-06-15 10:09:37 | 37.310   | -98.865   | 5.0        | 1.9            | 2.2                 | 1.6                  | 0.0              | 142 | 14.6 |
| 2016-06-15 12:41:39 | 37.519   | -97.839   | 5.0        | 2.0            | 1.8                 | 1.8                  | 0.0              | 112 | 16.0 |
| 2016-06-15 12:56:48 | 37.395   | -97.387   | 5.0        | 1.8            | 2.3                 | 2.8                  | 0.0              | 203 | 8.2  |
| 2016-06-16 02:28:57 | 37.367   | -97.842   | 5.0        | 0.9            | 2.1                 | 2.6                  | 0.0              | 128 | 11.8 |
| 2016-06-16 03:15:04 | 37.130   | -97.565   | 5.0        | 1.2            | 2.0                 | 1.1                  | 0.0              | 194 | 13.4 |
| 2016-06-16 04:57:28 | 37.193   | -98.020   | 5.0        | 2.0            | 1.5                 | 1.0                  | 0.0              | 171 | 15.0 |
| 2016-06-16 10:19:25 | 37.095   | -97.781   | 5.0        | 1.3            | 1.4                 | 0.9                  | 0.0              | 214 | 15.7 |
| 2016-06-16 11:13:19 | 37.047   | -97.555   | 5.0        | 1.9            | 2.3                 | 1.6                  | 0.0              | 198 | 14.6 |
| 2016-06-16 15:47:25 | 37.246   | -98.147   | 5.0        | 1.6            | 4.4                 | 2.3                  | 0.0              | 165 | 13.6 |
| 2016-06-16 16:07:55 | 37.339   | -98.881   | 5.0        | 1.5            | 1.7                 | 1.6                  | 0.0              | 159 | 14.3 |

| origin time (UTC)   | latitude | longitude | depth (km) | magnitude (MC) | latitude error (km) | longitude error (km) | depth error (km) | gap | SAS  |
|---------------------|----------|-----------|------------|----------------|---------------------|----------------------|------------------|-----|------|
| 2016-06-16 17:13:40 | 37.123   | -97.791   | 5.0        | 1.9            | 1.4                 | 0.8                  | 0.0              | 206 | 15.6 |
| 2016-06-16 19:10:26 | 37.352   | -98.888   | 5.0        | 1.9            | 1.8                 | 2.1                  | 0.0              | 129 | 15.6 |
| 2016-06-16 19:36:04 | 37.309   | -97.995   | 5.0        | 1.8            | 1.5                 | 1.2                  | 0.0              | 141 | 14.2 |
| 2016-06-16 21:56:01 | 37.133   | -97.793   | 5.0        | 1.4            | 1.9                 | 1.3                  | 0.0              | 203 | 17.0 |
| 2016-06-17 03:38:02 | 37.157   | -98.004   | 5.0        | 1.7            | 1.5                 | 1.1                  | 0.0              | 176 | 14.9 |
| 2016-06-17 04:44:44 | 37.148   | -97.728   | 5.0        | 1.3            | 2.2                 | 2.0                  | 0.0              | 176 | 16.7 |
| 2016-06-17 06:34:48 | 37.038   | -97.927   | 5.0        | 1.8            | 3.0                 | 2.0                  | 0.0              | 193 | 14.2 |
| 2016-06-17 06:48:23 | 37.137   | -97.826   | 5.0        | 1.3            | 1.6                 | 1.4                  | 0.0              | 178 | 15.7 |
| 2016-06-17 17:46:23 | 37.041   | -97.561   | 5.0        | 1.5            | 2.1                 | 2.0                  | 0.0              | 275 | 13.3 |
| 2016-06-17 19:01:57 | 37.198   | -97.739   | 5.0        | 1.4            | 1.1                 | 1.1                  | 0.0              | 168 | 15.0 |
| 2016-06-17 20:30:05 | 37.306   | -97.516   | 5.0        | 1.6            | 1.6                 | 1.6                  | 0.0              | 151 | 13.6 |
| 2016-06-17 23:44:17 | 37.410   | -97.970   | 5.0        | 1.8            | 1.4                 | 1.2                  | 0.0              | 147 | 14.2 |
| 2016-06-18 02:50:08 | 38.780   | -97.532   | 5.0        | 1.8            | 2.6                 | 2.6                  | 0.0              | 280 | 6.2  |
| 2016-06-18 06:05:46 | 37.194   | -97.999   | 5.0        | 1.4            | 2.6                 | 1.5                  | 0.0              | 170 | 13.0 |
| 2016-06-18 08:58:01 | 37.672   | -99.213   | 5.0        | 1.4            | 3.3                 | 5.2                  | 0.0              | 211 | 5.0  |
| 2016-06-18 09:32:06 | 37.168   | -97.574   | 5.0        | 1.6            | 2.1                 | 2.0                  | 0.0              | 234 | 15.6 |
| 2016-06-18 09:35:39 | 37.177   | -97.573   | 5.0        | 1.6            | 2.2                 | 2.2                  | 0.0              | 232 | 15.6 |
| 2016-06-18 09:44:30 | 37.151   | -97.605   | 5.0        | 1.2            | 1.7                 | 2.0                  | 0.0              | 258 | 14.4 |
| 2016-06-18 09:54:39 | 37.239   | -98.352   | 5.0        | 1.3            | 2.6                 | 1.3                  | 0.0              | 213 | 4.7  |
| 2016-06-18 13:21:36 | 37.036   | -97.769   | 5.0        | 2.1            | 1.8                 | 1.3                  | 0.0              | 195 | 16.4 |
| 2016-06-18 16:46:15 | 37.095   | -97.783   | 5.0        | 2.0            | 2.1                 | 1.4                  | 0.0              | 185 | 16.0 |
| 2016-06-18 17:28:17 | 37.837   | -98.212   | 5.0        | 1.9            | 1.9                 | 1.7                  | 0.0              | 135 | 7.6  |
| 2016-06-18 17:51:48 | 37.370   | -98.125   | 5.0        | 2.1            | 2.0                 | 1.5                  | 0.0              | 148 | 15.4 |
| 2016-06-18 22:18:38 | 37.837   | -98.205   | 5.0        | 1.8            | 1.6                 | 1.8                  | 0.0              | 136 | 9.2  |
| 2016-06-19 07:51:09 | 37.304   | -97.931   | 5.0        | 1.9            | 1.9                 | 1.7                  | 0.0              | 128 | 14.6 |
| 2016-06-19 09:35:39 | 37.065   | -98.750   | 5.0        | 1.5            | 1.6                 | 1.1                  | 0.0              | 201 | 13.3 |
| 2016-06-19 11:05:35 | 37.431   | -97.982   | 5.0        | 1.7            | 1.0                 | 1.0                  | 0.0              | 108 | 13.9 |
| 2016-06-19 12:29:16 | 37.104   | -97.497   | 5.0        | 2.1            | 1.4                 | 1.1                  | 0.0              | 186 | 14.4 |
| 2016-06-19 17:51:13 | 37.246   | -98.028   | 5.0        | 1.4            | 1.9                 | 1.1                  | 0.0              | 143 | 14.0 |
| 2016-06-19 18:24:06 | 37.386   | -98.231   | 5.0        | 1.4            | 4.4                 | 2.9                  | 0.0              | 172 | 13.0 |
| 2016-06-20 04:48:09 | 37.417   | -97.448   | 5.0        | 1.4            | 2.9                 | 2.9                  | 0.0              | 199 | 11.0 |
| 2016-06-20 09:36:19 | 37.538   | -97.857   | 5.0        | 1.7            | 0.7                 | 0.7                  | 0.0              | 119 | 11.9 |
| 2016-06-20 10:31:37 | 37.340   | -97.782   | 5.0        | 1.5            | 0.7                 | 0.8                  | 0.0              | 122 | 15.3 |
| 2016-06-20 11:29:17 | 38.204   | -97.979   | 5.0        | 1.5            | 2.2                 | 2.0                  | 0.0              | 134 | 5.3  |
| 2016-06-20 11:41:38 | 37.204   | -97.956   | 5.0        | 1.8            | 2.6                 | 1.3                  | 0.0              | 169 | 16.2 |
| 2016-06-20 13:26:10 | 37.342   | -97.784   | 5.0        | 1.4            | 1.1                 | 1.2                  | 0.0              | 121 | 14.0 |
| 2016-06-20 13:41:18 | 37.269   | -97.507   | 5.0        | 1.6            | 1.0                 | 1.0                  | 0.0              | 107 | 13.6 |
| 2016-06-20 17:42:08 | 37.275   | -97.816   | 5.0        | 2.0            | 1.2                 | 0.9                  | 0.0              | 151 | 16.0 |
| 2016-06-21 03:57:16 | 37.132   | -97.963   | 5.0        | 1.2            | 3.3                 | 2.2                  | 0.0              | 229 | 12.4 |
| 2016-06-21 11:29:42 | 37.199   | -98.041   | 5.0        | 1.9            | 2.0                 | 1.4                  | 0.0              | 170 | 15.6 |
| 2016-06-21 13:25:40 | 37.045   | -97.387   | 5.0        | 1.1            | 2.5                 | 1.3                  | 0.0              | 259 | 5.2  |
| 2016-06-21 14:27:42 | 37.838   | -98.238   | 5.0        | 2.5            | 2.2                 | 2.0                  | 0.0              | 132 | 13.3 |
| 2016-06-21 18:02:10 | 37.577   | -97.823   | 5.0        | 1.8            | 2.0                 | 1.8                  | 0.0              | 155 | 18.2 |
| 2016-06-21 18:42:16 | 37.585   | -97.822   | 5.0        | 2.4            | 1.1                 | 1.1                  | 0.0              | 138 | 20.8 |
| 2016-06-21 18:53:51 | 37.578   | -97.816   | 5.0        | 1.3            | 1.6                 | 1.9                  | 0.0              | 158 | 16.7 |
| 2016-06-21 19:11:46 | 37.582   | -97.831   | 5.0        | 2.4            | 1.1                 | 1.1                  | 0.0              | 135 | 20.8 |
| 2016-06-21 19:39:05 | 37.579   | -97.827   | 5.0        | 2.2            | 1.9                 | 1.8                  | 0.0              | 154 | 19.8 |
| 2016-06-21 21:28:05 | 37.592   | -97.795   | 5.0        | 2.4            | 2.0                 | 2.1                  | 0.0              | 147 | 20.8 |
| 2016-06-21 23:32:58 | 37.191   | -98.068   | 5.0        | 2.6            | 1.9                 | 1.2                  | 0.0              | 171 | 17.8 |

| origin time (UTC)   | latitude | longitude | depth (km) | magnitude (MC) | latitude error (km) | longitude error (km) | depth error (km) | gap | SAS  |
|---------------------|----------|-----------|------------|----------------|---------------------|----------------------|------------------|-----|------|
| 2016-06-22 00:21:27 | 37.583   | -97.811   | 5.0        | 2.3            | 1.5                 | 1.6                  | 0.0              | 139 | 20.3 |
| 2016-06-22 00:27:04 | 37.581   | -97.833   | 5.0        | 2.4            | 1.8                 | 1.9                  | 0.0              | 134 | 20.8 |
| 2016-06-22 01:06:44 | 37.170   | -97.844   | 5.0        | 2.3            | 2.4                 | 1.7                  | 0.0              | 173 | 17.3 |
| 2016-06-22 01:29:29 | 37.577   | -97.816   | 5.0        | 1.9            | 1.1                 | 1.0                  | 0.0              | 157 | 18.6 |
| 2016-06-22 03:00:20 | 37.110   | -97.840   | 5.0        | 1.9            | 2.3                 | 1.3                  | 0.0              | 193 | 16.6 |
| 2016-06-22 03:03:51 | 37.581   | -97.812   | 5.0        | 1.8            | 0.9                 | 0.9                  | 0.0              | 161 | 18.2 |
| 2016-06-22 04:36:09 | 37.048   | -97.384   | 5.0        | 1.6            | 2.7                 | 1.7                  | 0.0              | 258 | 8.6  |
| 2016-06-22 08:28:35 | 37.289   | -97.492   | 5.0        | 0.6            | 3.7                 | 5.7                  | 0.0              | 170 | 11.4 |
| 2016-06-22 09:19:57 | 37.299   | -98.851   | 5.0        | 2.2            | 1.7                 | 1.4                  | 0.0              | 147 | 16.8 |
| 2016-06-22 09:25:32 | 37.336   | -98.893   | 5.0        | 2.0            | 1.8                 | 1.4                  | 0.0              | 119 | 18.0 |
| 2016-06-22 11:35:44 | 37.314   | -97.835   | 5.0        | 1.7            | 1.3                 | 1.2                  | 0.0              | 134 | 13.9 |
| 2016-06-22 11:40:46 | 37.292   | -97.593   | 5.0        | 1.2            | 1.0                 | 1.9                  | 0.0              | 191 | 12.4 |
| 2016-06-22 13:01:48 | 37.195   | -97.826   | 5.0        | 1.4            | 2.2                 | 1.6                  | 0.0              | 199 | 14.0 |
| 2016-06-22 13:30:40 | 37.580   | -97.823   | 5.0        | 1.7            | 1.5                 | 1.2                  | 0.0              | 156 | 17.9 |
| 2016-06-22 13:49:29 | 37.573   | -97.816   | 5.0        | 2.3            | 1.0                 | 1.0                  | 0.0              | 133 | 20.3 |
| 2016-06-22 14:23:51 | 37.577   | -97.815   | 5.0        | 1.0            | 1.1                 | 1.2                  | 0.0              | 158 | 14.0 |
| 2016-06-22 21:14:49 | 37.270   | -98.851   | 5.0        | 1.7            | 3.8                 | 1.4                  | 0.0              | 179 | 15.9 |
| 2016-06-22 22:13:09 | 37.577   | -97.813   | 5.0        | 2.2            | 1.4                 | 1.6                  | 0.0              | 136 | 19.8 |
| 2016-06-23 01:25:48 | 37.571   | -97.810   | 5.0        | 1.3            | 1.2                 | 1.5                  | 0.0              | 155 | 15.7 |
| 2016-06-23 04:54:59 | 37.305   | -98.104   | 5.0        | 1.6            | 1.5                 | 1.5                  | 0.0              | 111 | 14.6 |
| 2016-06-23 05:19:11 | 37.318   | -98.887   | 5.0        | 1.5            | 1.9                 | 1.7                  | 0.0              | 145 | 15.3 |
| 2016-06-23 11:23:05 | 37.332   | -97.796   | 5.0        | 2.2            | 1.4                 | 1.3                  | 0.0              | 126 | 15.8 |
| 2016-06-23 14:26:51 | 37.270   | -98.015   | 5.0        | 1.9            | 2.3                 | 1.7                  | 0.0              | 121 | 15.6 |
| 2016-06-23 14:58:45 | 37.115   | -98.803   | 5.0        | 1.5            | 2.0                 | 0.9                  | 0.0              | 190 | 15.3 |
| 2016-06-22 17:12:42 | 39.178   | -99.123   | 5.0        | 1.7            | 4.3                 | 3.9                  | 0.0              | 128 | 5.9  |
| 2016-06-24 00:23:24 | 37.188   | -97.835   | 5.0        | 1.4            | 2.4                 | 3.3                  | 0.0              | 254 | 13.0 |
| 2016-06-24 01:51:47 | 37.436   | -98.918   | 5.0        | 2.2            | 1.2                 | 1.2                  | 0.0              | 97  | 15.8 |
| 2016-06-24 02:00:23 | 37.149   | -98.806   | 5.0        | 1.7            | 4.2                 | 3.0                  | 0.0              | 197 | 14.9 |
| 2016-06-24 06:05:18 | 37.840   | -98.210   | 5.0        | 2.0            | 1.4                 | 1.3                  | 0.0              | 136 | 15.0 |
| 2016-06-24 06:25:18 | 37.048   | -98.871   | 5.0        | 1.4            | 2.8                 | 2.0                  | 0.0              | 216 | 12.0 |
| 2016-06-24 07:34:13 | 37.270   | -97.501   | 5.0        | 1.2            | 1.5                 | 1.9                  | 0.0              | 215 | 13.4 |
| 2016-06-24 07:58:05 | 37.298   | -97.473   | 5.0        | 2.0            | 1.1                 | 1.1                  | 0.0              | 153 | 16.0 |
| 2016-06-24 09:20:35 | 37.831   | -98.227   | 5.0        | 2.2            | 1.3                 | 1.2                  | 0.0              | 133 | 17.8 |
| 2016-06-24 09:28:37 | 37.841   | -98.211   | 5.0        | 2.2            | 1.8                 | 1.7                  | 0.0              | 136 | 17.8 |
| 2016-06-24 12:29:43 | 37.290   | -98.026   | 5.0        | 1.3            | 4.2                 | 2.3                  | 0.0              | 212 | 12.7 |
| 2016-06-24 16:58:23 | 37.189   | -97.609   | 5.0        | 1.1            | 4.1                 | 5.1                  | 0.0              | 252 | 12.2 |
| 2016-06-24 17:22:51 | 37.267   | -97.510   | 5.0        | 1.5            | 1.5                 | 1.9                  | 0.0              | 218 | 16.3 |
| 2016-06-25 00:53:52 | 37.243   | -97.593   | 5.0        | 1.8            | 1.9                 | 2.0                  | 0.0              | 164 | 15.2 |
| 2016-06-25 04:20:10 | 37.179   | -98.829   | 5.0        | 1.7            | 2.5                 | 1.1                  | 0.0              | 174 | 13.9 |
| 2016-06-25 07:01:25 | 37.414   | -98.964   | 5.0        | 1.7            | 1.4                 | 1.3                  | 0.0              | 138 | 13.9 |
| 2016-06-25 18:03:26 | 37.022   | -97.573   | 5.0        | 2.9            | 1.7                 | 1.3                  | 0.0              | 202 | 19.4 |
| 2016-06-25 20:02:38 | 37.361   | -98.067   | 5.0        | 1.9            | 1.5                 | 2.0                  | 0.0              | 86  | 14.6 |
| 2016-06-25 23:14:56 | 37.583   | -97.821   | 5.0        | 2.7            | 1.7                 | 1.7                  | 0.0              | 137 | 18.3 |
| 2016-06-25 23:21:01 | 37.600   | -97.788   | 5.0        | 2.2            | 1.6                 | 2.0                  | 0.0              | 152 | 18.8 |
| 2016-06-25 23:38:15 | 37.576   | -97.807   | 5.0        | 2.1            | 1.5                 | 1.3                  | 0.0              | 159 | 17.4 |
| 2016-06-26 00:55:35 | 37.236   | -98.006   | 5.0        | 2.0            | 1.1                 | 0.8                  | 0.0              | 159 | 15.0 |
| 2016-06-26 04:17:48 | 37.236   | -98.008   | 5.0        | 2.3            | 1.6                 | 1.4                  | 0.0              | 158 | 17.3 |
| 2016-06-26 05:08:02 | 37.571   | -97.815   | 5.0        | 1.2            | 0.8                 | 0.9                  | 0.0              | 153 | 12.4 |
| 2016-06-26 06:47:37 | 37.570   | -97.827   | 5.0        | 2.1            | 1.6                 | 1.6                  | 0.0              | 130 | 17.4 |

| origin time (UTC)   | latitude | longitude | depth (km) | magnitude (MC) | latitude error (km) | longitude error (km) | depth error (km) | gap | SAS  |
|---------------------|----------|-----------|------------|----------------|---------------------|----------------------|------------------|-----|------|
| 2016-06-26 06:55:20 | 37.018   | -97.558   | 5.0        | 1.5            | 2.3                 | 1.4                  | 0.0              | 227 | 13.3 |
| 2016-06-26 07:34:21 | 37.211   | -97.834   | 5.0        | 2.1            | 1.6                 | 1.4                  | 0.0              | 167 | 16.4 |
| 2016-06-26 08:21:44 | 37.341   | -97.918   | 5.0        | 2.0            | 1.2                 | 1.1                  | 0.0              | 117 | 15.0 |
| 2016-06-26 10:22:31 | 37.151   | -97.584   | 5.0        | 1.0            | 1.9                 | 2.4                  | 0.0              | 256 | 12.0 |
| 2016-06-26 12:24:30 | 37.353   | -97.937   | 5.0        | 1.3            | 1.0                 | 1.3                  | 0.0              | 140 | 12.7 |
| 2016-06-26 16:52:47 | 37.254   | -97.842   | 5.0        | 1.3            | 1.0                 | 1.0                  | 0.0              | 159 | 13.7 |
| 2016-06-26 17:19:53 | 37.280   | -97.504   | 5.0        | 2.2            | 1.5                 | 1.8                  | 0.0              | 147 | 15.8 |
| 2016-06-26 18:35:38 | 37.360   | -98.166   | 5.0        | 3.1            | 1.3                 | 1.2                  | 0.0              | 106 | 20.6 |
| 2016-06-26 21:32:17 | 37.350   | -98.159   | 5.0        | 1.7            | 2.1                 | 1.4                  | 0.0              | 161 | 14.9 |
| 2016-06-27 01:26:01 | 37.429   | -97.863   | 5.0        | 2.0            | 1.3                 | 1.2                  | 0.0              | 101 | 15.0 |
| 2016-06-27 03:52:11 | 38.637   | -97.561   | 5.0        | 1.8            | 1.7                 | 2.7                  | 0.0              | 330 | 6.2  |
| 2016-06-27 05:04:47 | 37.335   | -97.794   | 5.0        | 2.0            | 1.6                 | 1.5                  | 0.0              | 131 | 15.0 |
| 2016-06-27 05:11:05 | 37.389   | -98.023   | 5.0        | 2.1            | 1.2                 | 1.3                  | 0.0              | 81  | 15.4 |
| 2016-06-27 06:40:36 | 37.205   | -97.920   | 5.0        | 1.6            | 1.5                 | 1.4                  | 0.0              | 169 | 17.6 |
| 2016-06-27 09:13:50 | 37.573   | -97.804   | 5.0        | 1.4            | 1.7                 | 1.0                  | 0.0              | 260 | 14.0 |
| 2016-06-27 09:38:57 | 37.578   | -97.821   | 5.0        | 2.4            | 1.8                 | 1.9                  | 0.0              | 135 | 17.8 |
| 2016-06-27 11:40:15 | 37.347   | -98.140   | 5.0        | 1.4            | 0.7                 | 2.5                  | 0.0              | 231 | 14.0 |
| 2016-06-27 13:17:24 | 37.573   | -97.818   | 5.0        | 1.6            | 1.4                 | 1.3                  | 0.0              | 154 | 14.6 |
| 2016-06-27 13:42:47 | 37.189   | -97.959   | 5.0        | 1.5            | 1.1                 | 0.7                  | 0.0              | 181 | 15.3 |
| 2016-06-27 14:45:20 | 37.201   | -97.739   | 5.0        | 1.9            | 1.6                 | 1.5                  | 0.0              | 168 | 17.6 |
| 2016-06-27 15:15:43 | 37.206   | -97.734   | 5.0        | 1.4            | 1.0                 | 0.8                  | 0.0              | 175 | 15.0 |
| 2016-06-27 15:20:14 | 37.218   | -97.742   | 5.0        | 1.5            | 1.3                 | 1.1                  | 0.0              | 171 | 15.3 |
| 2016-06-27 18:55:05 | 37.113   | -97.343   | 5.0        | 0.9            | 2.7                 | 1.4                  | 0.0              | 222 | 7.8  |
| 2016-06-27 20:39:53 | 37.108   | -98.750   | 5.0        | 2.3            | 1.5                 | 0.8                  | 0.0              | 192 | 14.3 |
| 2016-06-27 22:30:35 | 37.043   | -97.903   | 5.0        | 2.0            | 1.8                 | 1.1                  | 0.0              | 192 | 16.0 |
| 2016-06-27 22:44:41 | 37.181   | -98.011   | 5.0        | 1.6            | 1.9                 | 1.3                  | 0.0              | 183 | 15.6 |
| 2016-06-28 00:18:14 | 37.246   | -97.333   | 5.0        | 1.9            | 2.3                 | 2.2                  | 0.0              | 174 | 6.6  |
| 2016-06-28 00:43:58 | 37.585   | -97.821   | 5.0        | 2.3            | 1.9                 | 1.9                  | 0.0              | 138 | 17.3 |
| 2016-06-28 02:08:05 | 37.210   | -97.832   | 5.0        | 2.1            | 1.7                 | 1.2                  | 0.0              | 167 | 18.4 |
| 2016-06-28 05:06:49 | 37.060   | -98.887   | 5.0        | 2.0            | 2.2                 | 1.1                  | 0.0              | 201 | 12.0 |
| 2016-06-28 05:28:39 | 37.097   | -98.885   | 5.0        | 2.1            | 2.0                 | 1.2                  | 0.0              | 183 | 16.4 |
| 2016-06-28 06:03:11 | 37.204   | -97.519   | 5.0        | 1.3            | 1.6                 | 1.4                  | 0.0              | 169 | 12.7 |
| 2016-06-28 06:20:17 | 37.081   | -97.804   | 5.0        | 2.1            | 1.4                 | 0.9                  | 0.0              | 187 | 18.4 |
| 2016-06-28 06:26:15 | 37.063   | -97.901   | 5.0        | 1.4            | 1.5                 | 1.1                  | 0.0              | 238 | 14.0 |
| 2016-06-28 06:43:16 | 37.056   | -97.954   | 5.0        | 2.1            | 2.1                 | 1.4                  | 0.0              | 190 | 16.4 |
| 2016-06-28 09:02:02 | 37.087   | -97.596   | 5.0        | 1.2            | 1.5                 | 1.1                  | 0.0              | 208 | 14.4 |
| 2016-06-28 10:08:37 | 37.295   | -97.623   | 5.0        | 1.3            | 1.2                 | 2.4                  | 0.0              | 210 | 12.7 |
| 2016-06-29 00:40:58 | 37.154   | -97.791   | 5.0        | 1.2            | 1.7                 | 1.0                  | 0.0              | 196 | 16.4 |
| 2016-06-29 01:44:35 | 37.143   | -97.805   | 5.0        | 2.0            | 2.0                 | 1.2                  | 0.0              | 177 | 19.0 |
| 2016-06-29 01:51:05 | 37.126   | -97.793   | 5.0        | 1.3            | 2.1                 | 1.3                  | 0.0              | 205 | 16.7 |
| 2016-06-29 02:25:06 | 37.017   | -97.586   | 5.0        | 2.1            | 2.5                 | 2.0                  | 0.0              | 203 | 15.4 |
| 2016-06-29 03:04:37 | 37.159   | -97.804   | 5.0        | 1.5            | 2.2                 | 1.4                  | 0.0              | 185 | 17.3 |
| 2016-06-29 03:07:49 | 37.487   | -97.825   | 5.0        | 0.8            | 0.6                 | 0.9                  | 0.0              | 117 | 11.6 |
| 2016-06-29 03:45:16 | 37.102   | -97.872   | 5.0        | 1.4            | 3.7                 | 2.2                  | 0.0              | 222 | 17.0 |
| 2016-06-29 03:55:39 | 37.031   | -97.554   | 5.0        | 1.2            | 3.3                 | 2.2                  | 0.0              | 210 | 15.4 |
| 2016-06-29 04:46:09 | 37.163   | -97.799   | 5.0        | 2.0            | 2.5                 | 1.7                  | 0.0              | 174 | 19.0 |
| 2016-06-29 04:50:31 | 37.156   | -97.786   | 5.0        | 1.7            | 1.5                 | 1.0                  | 0.0              | 175 | 17.9 |
| 2016-06-29 06:52:17 | 37.289   | -97.929   | 5.0        | 1.5            | 1.3                 | 1.0                  | 0.0              | 135 | 13.3 |
| 2016-06-29 07:42:58 | 37.054   | -97.460   | 5.0        | 1.9            | 2.1                 | 1.5                  | 0.0              | 209 | 15.6 |

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| origin time (UTC)   | latitude | longitude | depth<br>(km) | magnitude<br>(MC) | latitude<br>error<br>(km) | longitude<br>error<br>(km) | depth<br>error<br>(km) | gap | SAS  |
|---------------------|----------|-----------|---------------|-------------------|---------------------------|----------------------------|------------------------|-----|------|
| 2016-06-29 08:18:02 | 37.077   | -97.516   | 5.0           | 1.3               | 4.4                       | 3.2                        | 0.0                    | 210 | 15.7 |
| 2016-06-29 13:39:09 | 37.301   | -98.879   | 5.0           | 1.8               | 2.2                       | 1.7                        | 0.0                    | 144 | 14.2 |
| 2016-06-29 14:09:01 | 37.049   | -97.937   | 5.0           | 2.1               | 2.8                       | 2.0                        | 0.0                    | 191 | 15.4 |
| 2016-06-29 14:21:30 | 37.052   | -97.522   | 5.0           | 1.4               | 3.1                       | 2.1                        | 0.0                    | 257 | 16.0 |
| 2016-06-29 16:56:43 | 37.015   | -99.354   | 5.0           | 1.6               | 5.4                       | 2.8                        | 0.0                    | 248 | 5.6  |
| 2016-06-29 17:32:47 | 37.271   | -97.826   | 5.0           | 2.1               | 2.2                       | 1.9                        | 0.0                    | 152 | 15.4 |
| 2016-06-29 22:14:38 | 37.071   | -97.710   | 5.0           | 1.5               | 1.6                       | 1.4                        | 0.0                    | 200 | 14.3 |
| 2016-06-30 00:44:39 | 37.586   | -97.766   | 5.0           | 1.8               | 2.0                       | 1.9                        | 0.0                    | 153 | 16.2 |
| 2016-06-30 07:48:26 | 37.311   | -97.485   | 5.0           | 1.7               | 1.6                       | 1.7                        | 0.0                    | 159 | 13.9 |
| 2016-06-30 08:32:13 | 37.580   | -97.816   | 5.0           | 1.3               | 1.8                       | 1.7                        | 0.0                    | 159 | 14.7 |
| 2016-06-30 09:09:06 | 37.180   | -97.804   | 5.0           | 1.6               | 2.3                       | 1.4                        | 0.0                    | 181 | 13.6 |
| 2016-06-30 09:40:45 | 37.138   | -97.946   | 5.0           | 1.5               | 3.7                       | 2.2                        | 0.0                    | 189 | 13.3 |
| 2016-06-30 15:24:32 | 37.585   | -97.817   | 5.0           | 1.7               | 1.8                       | 1.9                        | 0.0                    | 139 | 15.9 |
| 2016-06-30 21:15:46 | 37.341   | -98.132   | 5.0           | 1.8               | 1.8                       | 1.9                        | 0.0                    | 109 | 14.2 |