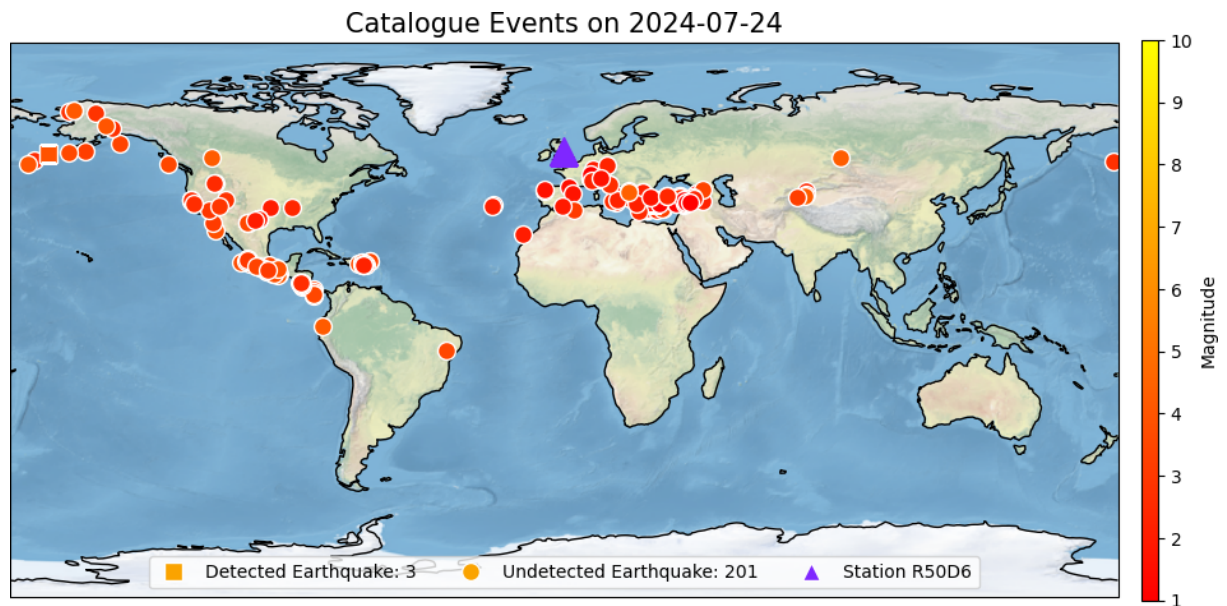


# Earthquake Report for 2024-07-24

Station: AM.R50D6    Catalog Provider: EMSC    Simplified: No    P Wave Only: Yes

## Catalogued Earthquake Plot



## Detected and Catalogued Earthquakes

| Time                | Location           | Magnitude |
|---------------------|--------------------|-----------|
| 2024-07-24 23:55:32 | 36.27, 25.64       | 2.2 ml    |
| 2024-07-24 23:29:40 | 38.3714, 37.5194   | 2.0 ml    |
| 2024-07-24 23:26:49 | 11.89, -86.52      | 3.2 m     |
| 2024-07-24 23:22:53 | 18.8025, -67.2163  | 3.1 md    |
| 2024-07-24 23:13:08 | 37.8939, 35.1442   | 1.6 ml    |
| 2024-07-24 23:09:43 | 40.0353, 36.0281   | 1.7 ml    |
| 2024-07-24 23:08:24 | 39.0492, -111.5263 | 2.8 ml    |
| 2024-07-24 22:59:15 | 39.6833, 26.4178   | 1.4 ml    |
| 2024-07-24 22:36:40 | 38.0233, 27.2969   | 1.3 ml    |
| 2024-07-24 22:35:54 | 18.73, -106.59     | 3.7 m     |
| 2024-07-24 22:34:25 | 28.99, -114.95     | 3.8 m     |
| 2024-07-24 22:21:03 | 15.9, -95.6        | 3.9 m     |
| 2024-07-24 22:14:17 | 38.6264, 39.5536   | 1.6 ml    |
| 2024-07-24 22:08:52 | 37.462, -24.539    | 2.7 ml    |
| 2024-07-24 22:08:30 | 46.6712, 8.5093    | 0.9 ml    |

|                     |                    |        |
|---------------------|--------------------|--------|
| 2024-07-24 22:07:07 | 19.35, -103.98     | 3.4 m  |
| 2024-07-24 22:03:38 | 43.0006, -0.1004   | 1.5 ml |
| 2024-07-24 22:02:09 | 35.7715, 25.5183   | 2.5 ml |
| 2024-07-24 21:52:41 | 12.17, -87.49      | 2.7 m  |
| 2024-07-24 21:51:55 | 17.04, -95.27      | 3.5 m  |
| 2024-07-24 21:42:16 | 36.21, 25.54       | 2.1 ml |
| 2024-07-24 21:39:39 | 52.7498, -116.2054 | 4.2 m  |
| 2024-07-24 21:18:50 | 39.0342, 27.8822   | 2.0 ml |
| 2024-07-24 21:10:18 | 38.4369, 37.3144   | 1.6 ml |
| 2024-07-24 21:07:18 | 38.5173, 37.24     | 2.0 ml |
| 2024-07-24 21:01:32 | 18.48, -103.68     | 3.4 m  |
| 2024-07-24 20:50:02 | 44.3575, -115.1597 | 2.8 ml |
| 2024-07-24 20:45:55 | 32.769, -100.668   | 3.3 ml |
| 2024-07-24 20:33:04 | 40.0661, 36.0503   | 2.7 ml |
| 2024-07-24 20:32:36 | 57.0714, -145.992  | 3.4 ml |
| 2024-07-24 20:27:59 | 16.04, -98.29      | 3.3 m  |
| 2024-07-24 20:20:11 | 40.0375, 36.0423   | 4.0 mw |
| 2024-07-24 20:16:45 | -9.9378, -39.8641  | 3.5 mr |
| 2024-07-24 20:13:18 | 38.6887, -122.5023 | 2.3 md |
| 2024-07-24 20:13:08 | 41.0016, 1.3122    | 1.7 ml |
| 2024-07-24 20:11:50 | 31.38, -115.51     | 3.1 m  |
| 2024-07-24 20:07:02 | 51.4395, 177.0464  | 2.7 ml |
| 2024-07-24 20:07:01 | 46.0329, 6.8547    | 1.1 ml |
| 2024-07-24 19:56:30 | 14.88, -94.14      | 3.9 m  |
| 2024-07-24 19:35:34 | 19.75, -104.43     | 3.0 m  |
| 2024-07-24 19:32:46 | 17.76, -97.27      | 3.5 m  |
| 2024-07-24 19:30:44 | 36.24, 25.46       | 2.1 ml |
| 2024-07-24 19:22:27 | 16.02, -98.23      | 3.6 m  |
| 2024-07-24 19:18:30 | 9.856, -82.918     | 3.2 m  |
| 2024-07-24 19:16:48 | 35.8979, 1.4451    | 3.1 mb |
| 2024-07-24 19:05:21 | 36.1068, 28.4267   | 2.5 ml |
| 2024-07-24 19:01:26 | 15.93, -98.17      | 3.3 m  |
| 2024-07-24 18:57:36 | 19.2, -104.03      | 3.5 m  |
| 2024-07-24 18:41:43 | 50.449, -130.2106  | 3.5 m  |
| 2024-07-24 18:34:30 | 9.37, -82.765      | 3.1 m  |
| 2024-07-24 18:28:45 | 62.2883, -148.264  | 2.7 ml |
| 2024-07-24 18:28:13 | 38.0339, 29.1753   | 1.7 ml |
| 2024-07-24 17:52:52 | 45.8787, 7.0087    | 1.3 ml |

|                     |                    |        |
|---------------------|--------------------|--------|
| 2024-07-24 17:45:29 | 40.0347, 36.0422   | 2.0 ml |
| 2024-07-24 17:44:41 | 54.9536, -157.2052 | 3.2 ml |
| 2024-07-24 17:42:07 | 38.0289, 37.6256   | 1.5 ml |
| 2024-07-24 17:28:48 | 38.1502, 15.1733   | 2.3 ml |
| 2024-07-24 17:18:02 | 32.762, -100.666   | 2.3 ml |
| 2024-07-24 17:13:41 | 41.683, 19.563     | 2.3 ml |
| 2024-07-24 17:07:10 | 52.0092, -173.7001 | 2.5 ml |
| 2024-07-24 17:00:11 | 40.0722, 36.0219   | 1.7 ml |
| 2024-07-24 16:59:09 | 37.56, 23.1        | 2.5 ml |
| 2024-07-24 16:55:44 | 40.0514, 36.0244   | 2.6 ml |
| 2024-07-24 16:52:35 | 35.516, 28.5742    | 2.6 ml |
| 2024-07-24 16:48:29 | 32.7833, -100.6548 | 3.0 ml |
| 2024-07-24 16:46:44 | 45.8792, 7.0102    | 1.4 ml |
| 2024-07-24 16:38:30 | 45.8805, 7.012     | 2.1 ml |
| 2024-07-24 16:17:39 | 46.2826, 7.262     | 1.0 ml |
| 2024-07-24 16:01:53 | 40.2773, 24.1264   | 2.5 ml |
| 2024-07-24 15:45:41 | 44.3388, -114.8702 | 2.4 ml |
| 2024-07-24 15:35:46 | 17.9492, -66.8385  | 2.7 md |
| 2024-07-24 15:34:00 | 46.4196, 7.5409    | 0.5 ml |
| 2024-07-24 15:25:19 | 37.3886, 37.0986   | 1.7 ml |
| 2024-07-24 15:11:36 | 40.0517, 36.0297   | 2.7 ml |
| 2024-07-24 14:52:20 | 44.1212, 13.08     | 2.0 ml |
| 2024-07-24 14:48:30 | 8.144, -82.86      | 3.6 m  |
| 2024-07-24 14:38:56 | 41.81, 77.01       | 2.4 m  |
| 2024-07-24 14:30:19 | 39.41, 38.5042     | 2.5 ml |
| 2024-07-24 14:24:11 | 40.7038, 15.4768   | 2.1 ml |
| 2024-07-24 14:15:30 | 8.169, -82.849     | 3.8 m  |
| 2024-07-24 14:13:38 | 44.3736, -115.2159 | 2.5 ml |
| 2024-07-24 13:47:39 | 52.7038, 88.1366   | 4.3 mb |
| 2024-07-24 13:45:29 | 40.17, 20.7        | 2.0 ml |
| 2024-07-24 13:42:24 | 37.09, -24.857     | 2.1 ml |
| 2024-07-24 13:31:58 | 37.0743, -1.9792   | 1.9 ml |
| 2024-07-24 13:27:51 | 19.0357, -64.5158  | 3.8 md |
| 2024-07-24 13:18:54 | 35.8094, -116.7626 | 2.9 ml |
| 2024-07-24 12:47:22 | 38.3513, 38.7822   | 2.2 ml |
| 2024-07-24 12:46:53 | 17.483, -100.9372  | 4.4 mb |
| 2024-07-24 12:46:50 | 31.6705, -104.4097 | 2.4 ml |
| 2024-07-24 12:43:07 | 36.708, -97.1433   | 2.0 ml |

|                     |                    |        |
|---------------------|--------------------|--------|
| 2024-07-24 12:42:04 | 41.3, 23.85        | 2.4 ml |
| 2024-07-24 12:32:54 | 36.6173, -89.8677  | 2.4 md |
| 2024-07-24 12:32:54 | 32.762, -100.64    | 2.2 ml |
| 2024-07-24 12:27:57 | 40.2188, 31.7508   | 2.4 ml |
| 2024-07-24 12:20:44 | 38.2692, 38.8175   | 1.6 ml |
| 2024-07-24 12:04:27 | 39.3708, 26.2903   | 1.4 ml |
| 2024-07-24 11:55:13 | 38.1567, 36.8342   | 2.7 ml |
| 2024-07-24 11:40:53 | 32.762, -100.636   | 2.4 ml |
| 2024-07-24 11:37:53 | 67.8406, -160.8053 | 2.6 ml |
| 2024-07-24 11:18:30 | 8.4, -82.727       | 3.2 m  |
| 2024-07-24 11:14:23 | 41.1722, 41.4275   | 1.0 ml |
| 2024-07-24 11:13:57 | 40.28, 24.16       | 2.4 ml |
| 2024-07-24 11:12:57 | 42.0923, -7.9953   | 1.8 ml |
| 2024-07-24 10:53:46 | 39.2617, 19.7749   | 2.3 ml |
| 2024-07-24 10:49:08 | 35.9586, 30.5761   | 2.0 ml |
| 2024-07-24 10:44:19 | 38.2758, 28.4275   | 1.1 ml |
| 2024-07-24 10:41:19 | 40.27, 24.1        | 2.0 ml |
| 2024-07-24 10:39:54 | 38.19, 22.78       | 2.0 ml |
| 2024-07-24 10:36:30 | 7.739, -82.884     | 3.3 m  |
| 2024-07-24 10:34:06 | 14.73, -94.55      | 4.1 m  |
| 2024-07-24 10:14:07 | 31.682, -104.395   | 2.6 ml |
| 2024-07-24 10:10:14 | 39.2119, 29.2533   | 1.6 ml |
| 2024-07-24 10:06:28 | 17.14, -100.14     | 3.4 m  |
| 2024-07-24 10:05:32 | 53.8188, -169.0758 | 3.9 ml |
| 2024-07-24 10:02:45 | 37.0825, 30.8261   | 2.0 ml |
| 2024-07-24 09:52:24 | 67.2436, -153.7771 | 2.8 ml |
| 2024-07-24 09:47:03 | 10.89, -86.45      | 2.7 m  |
| 2024-07-24 09:44:47 | 15.0, -96.04       | 3.8 m  |
| 2024-07-24 09:37:54 | 62.9354, -150.4953 | 4.0 mb |
| 2024-07-24 09:31:30 | 8.181, -82.826     | 3.5 m  |
| 2024-07-24 09:20:13 | 38.7367, 43.3539   | 2.2 ml |
| 2024-07-24 09:07:43 | 54.253, -162.4398  | 3.6 ml |
| 2024-07-24 08:34:54 | 46.1307, 10.5373   | 1.5 ml |
| 2024-07-24 08:26:22 | 39.7623, 24.1745   | 2.5 ml |
| 2024-07-24 08:20:57 | 38.1253, 37.5228   | 2.4 ml |
| 2024-07-24 08:20:50 | 16.75, -99.17      | 3.2 m  |
| 2024-07-24 08:14:30 | 32.766, -100.655   | 2.0 ml |
| 2024-07-24 08:13:53 | 17.9537, -66.8772  | 2.3 md |

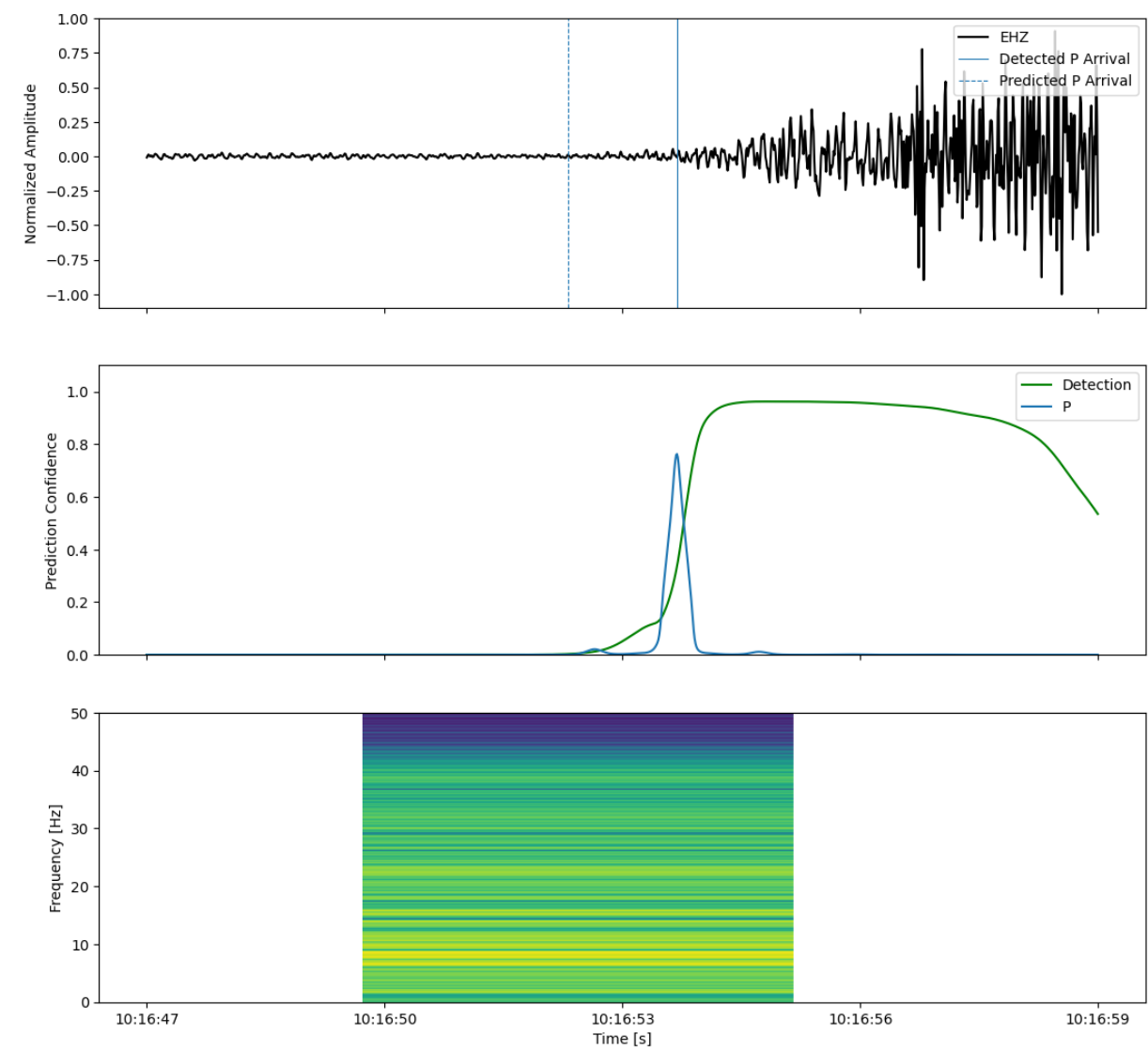
|                     |                    |        |
|---------------------|--------------------|--------|
| 2024-07-24 08:08:52 | 38.4687, 14.2088   | 2.6 ml |
| 2024-07-24 08:06:37 | 11.29, -86.78      | 3.0 m  |
| 2024-07-24 08:05:38 | 16.34, -97.9       | 3.2 m  |
| 2024-07-24 07:49:59 | 19.1775, -64.4968  | 3.5 md |
| 2024-07-24 07:46:46 | 42.42, 43.69       | 3.4 mb |
| 2024-07-24 07:40:47 | 37.863, -121.7721  | 2.4 md |
| 2024-07-24 07:14:11 | 35.9587, 30.3895   | 3.3 ml |
| 2024-07-24 07:08:27 | 19.26, -104.83     | 3.1 m  |
| 2024-07-24 07:03:27 | 48.894, 7.937      | 2.0 ml |
| 2024-07-24 06:54:31 | 15.09, -95.72      | 3.8 m  |
| 2024-07-24 06:44:47 | 31.603, -103.933   | 2.1 ml |
| 2024-07-24 06:32:45 | 18.25, -68.4416    | 3.7 md |
| 2024-07-24 06:29:30 | 40.48, 76.97       | 3.0 m  |
| 2024-07-24 05:59:08 | 12.11, -86.85      | 2.6 m  |
| 2024-07-24 05:50:22 | 40.27, 24.12       | 2.0 ml |
| 2024-07-24 05:47:53 | 37.9708, 27.1483   | 1.6 ml |
| 2024-07-24 05:45:57 | 38.0683, 37.9761   | 3.2 ml |
| 2024-07-24 05:30:44 | 17.57, -101.15     | 3.2 m  |
| 2024-07-24 05:24:40 | 38.2406, 37.7983   | 1.3 ml |
| 2024-07-24 05:21:22 | 19.72, -104.47     | 3.0 m  |
| 2024-07-24 05:17:58 | 38.1083, 38.4586   | 2.9 ml |
| 2024-07-24 05:17:44 | 16.66, -94.48      | 3.9 m  |
| 2024-07-24 05:16:23 | 11.6, -87.07       | 3.1 m  |
| 2024-07-24 05:06:48 | 37.8375, 36.2508   | 1.9 ml |
| 2024-07-24 05:05:16 | 38.1536, 38.4681   | 1.3 ml |
| 2024-07-24 04:56:39 | 39.7544, 40.2586   | 1.6 ml |
| 2024-07-24 04:56:18 | 18.8775, -67.33    | 3.5 md |
| 2024-07-24 04:56:03 | 17.54, -101.4      | 3.4 m  |
| 2024-07-24 04:44:26 | 16.23, -98.03      | 3.1 m  |
| 2024-07-24 04:44:22 | 31.6779, -104.4181 | 3.5 ml |
| 2024-07-24 04:33:45 | 37.1468, -113.5115 | 2.9 ml |
| 2024-07-24 04:33:21 | 67.6159, -162.4092 | 2.7 ml |
| 2024-07-24 04:27:05 | 41.3, 23.85        | 2.2 ml |
| 2024-07-24 04:26:12 | 17.9412, -65.7943  | 2.7 md |
| 2024-07-24 04:25:35 | 27.9947, -15.1333  | 2.0 ml |
| 2024-07-24 04:04:50 | 18.2465, -66.4203  | 2.6 md |
| 2024-07-24 03:56:16 | 47.3675, 6.9158    | 0.3 ml |
| 2024-07-24 03:52:21 | 32.362, -102.172   | 2.0 ml |

|                     |                    |        |
|---------------------|--------------------|--------|
| 2024-07-24 03:31:24 | 40.163, 76.5818    | 4.3 mw |
| 2024-07-24 03:25:58 | 11.81, -87.25      | 2.6 m  |
| 2024-07-24 03:23:36 | 35.4645, 22.646    | 2.5 ml |
| 2024-07-24 03:17:54 | 39.7736, 40.3172   | 1.8 ml |
| 2024-07-24 03:09:20 | 50.4551, -175.9199 | 4.0 ml |
| 2024-07-24 03:08:13 | 67.8495, -160.8933 | 4.1 ml |
| 2024-07-24 03:01:51 | 39.2723, 40.4475   | 2.3 ml |
| 2024-07-24 02:55:54 | 37.8194, 34.9189   | 0.9 ml |
| 2024-07-24 02:53:53 | 37.8217, 34.9611   | 1.0 ml |
| 2024-07-24 02:44:10 | 17.9638, -66.9225  | 2.9 md |
| 2024-07-24 02:13:50 | 18.0035, -67.0415  | 2.0 md |
| 2024-07-24 02:13:18 | 39.0977, 15.6565   | 2.2 ml |
| 2024-07-24 02:03:59 | 37.9628, 37.8336   | 2.1 ml |
| 2024-07-24 02:03:05 | 39.0356, 37.4203   | 0.8 ml |
| 2024-07-24 01:54:50 | 41.722, 19.553     | 2.2 ml |
| 2024-07-24 01:54:23 | 50.367, 12.487     | 2.3 ml |
| 2024-07-24 01:49:32 | 38.8487, -122.8303 | 2.2 md |
| 2024-07-24 01:47:36 | 38.8487, -122.8288 | 2.3 md |
| 2024-07-24 01:46:43 | 38.8321, -122.7803 | 2.5 md |
| 2024-07-24 01:43:43 | 39.92, 74.36       | 3.2 m  |
| 2024-07-24 01:41:11 | 50.366, 12.481     | 2.3 ml |
| 2024-07-24 01:40:52 | 37.8886, 29.4225   | 1.0 ml |
| 2024-07-24 01:35:49 | 18.0188, -66.804   | 2.2 md |
| 2024-07-24 01:26:35 | 44.082, 13.1765    | 2.6 ml |
| 2024-07-24 01:09:59 | 37.8458, -121.8028 | 2.6 md |
| 2024-07-24 01:04:28 | 12.16, -87.03      | 2.6 m  |
| 2024-07-24 01:02:23 | 40.1689, 31.7553   | 1.9 ml |
| 2024-07-24 00:56:28 | 38.0942, 38.1197   | 0.8 ml |
| 2024-07-24 00:49:46 | 42.2135, -7.9713   | 1.6 ml |
| 2024-07-24 00:47:11 | 37.78, 21.97       | 2.1 ml |
| 2024-07-24 00:46:49 | 38.3908, 39.3169   | 0.9 ml |
| 2024-07-24 00:43:58 | 45.147, 7.4805     | 2.2 ml |
| 2024-07-24 00:42:07 | 41.6538, 19.4209   | 4.4 mw |
| 2024-07-24 00:35:11 | -2.08, -80.19      | 4.2 m  |
| 2024-07-24 00:18:59 | 46.0107, 10.5418   | 1.6 ml |
| 2024-07-24 00:16:51 | 39.6906, 26.4022   | 1.7 ml |
| 2024-07-24 00:15:15 | 40.1815, 31.7387   | 2.4 ml |

Event Report For Earthquake 2024-07-24\_201

Station: AM.R50D6    Issued At: 2024-08-31 01:46:46

Earthquake 2024-07-24\_201 - Time: 2024-07-24 10:05:32 - Location: 53.82, -169.08 - Magnitude: 3.9 ml

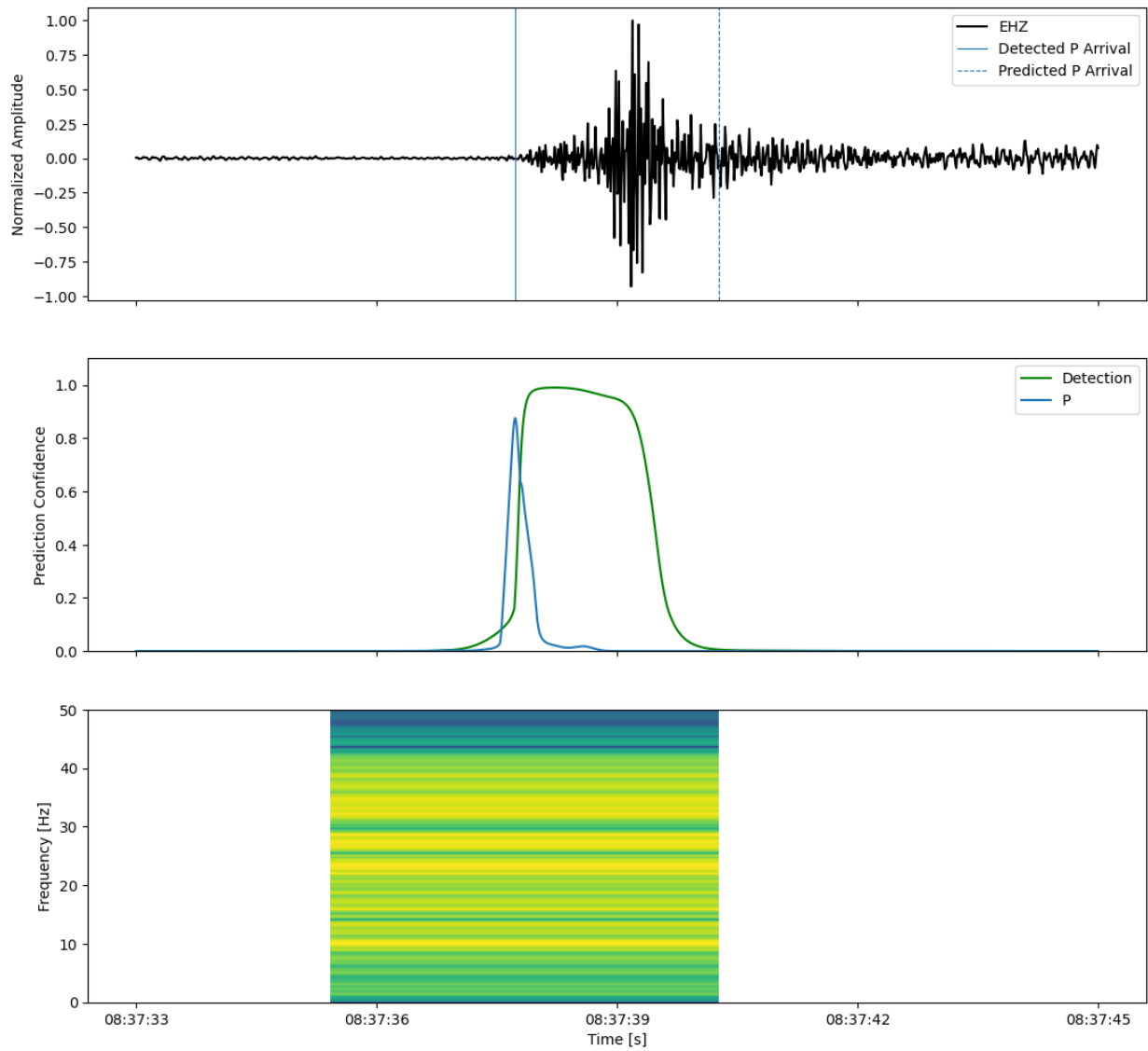


|                      |                     |                      |  |
|----------------------|---------------------|----------------------|--|
| Time:                | 2024-07-24 10:05:32 | Event ID:            | 2024-07-24_201                         |
| Latitude, Longitude: | 53.8188, -169.0758  | Epicentral Distance: | 7886.82 km                             |
| Provider:            | EMSC                | Resource ID:         | quakeml:eu.emsc/event/20240724_0000141 |
| Depth:               | 274.7 km            | Magnitude:           | 3.9 ml                                 |
| P Predicted Time:    | 2024-07-24 10:16:52 | P Detected Time:     | 2024-07-24 10:16:54                    |
| P Time Error:        | 1.298262            | P Confidence:        | 0.7630041241645813                     |

Event Report For Earthquake 2024-07-24\_210

Station: AM.R50D6    Issued At: 2024-08-31 01:46:46

Earthquake 2024-07-24\_210 - Time: 2024-07-24 08:34:54 - Location: 46.13, 10.54 - Magnitude: 1.5 ml



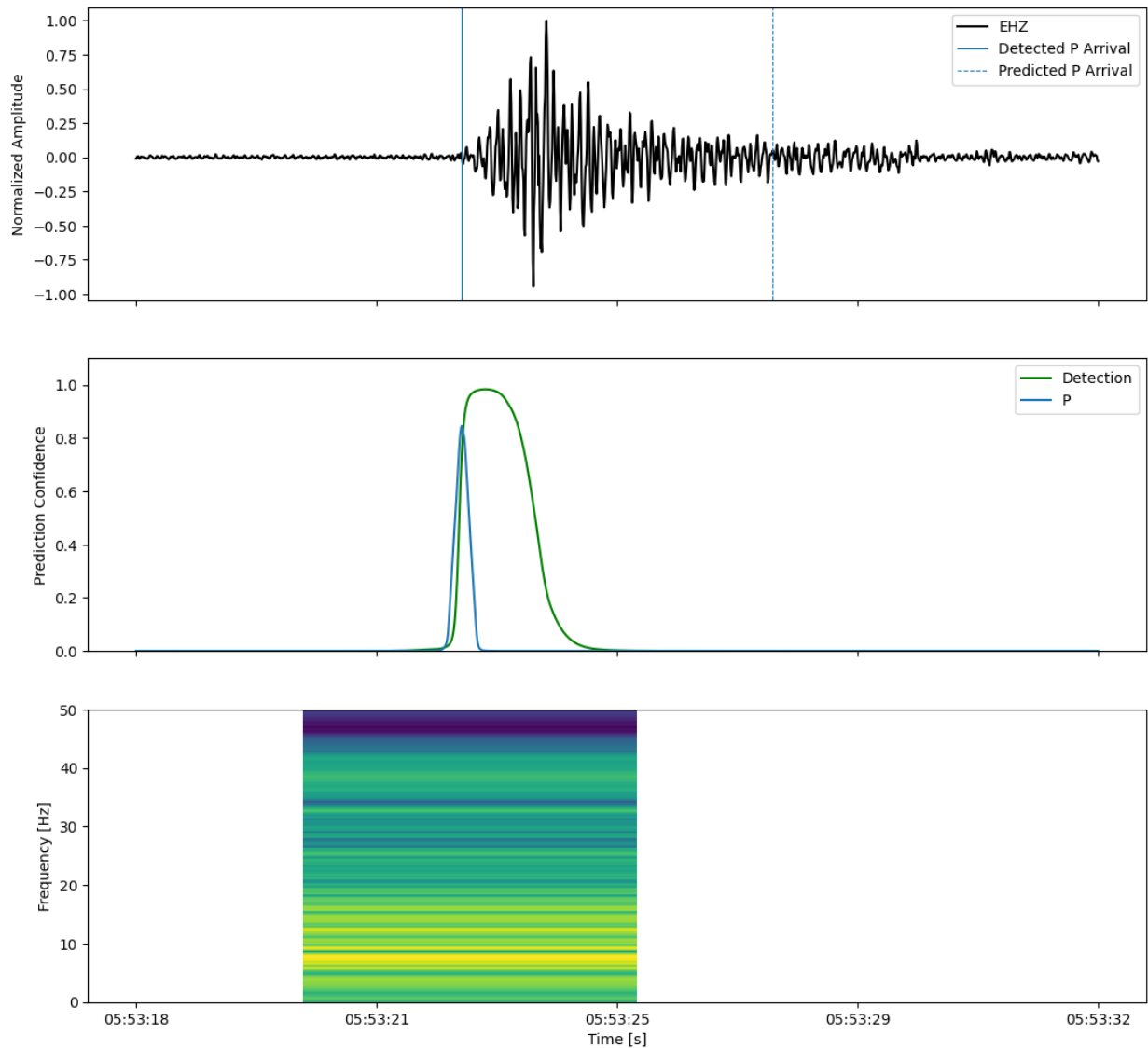
|                      |                     |                      |  |
|----------------------|---------------------|----------------------|--|
| Time:                | 2024-07-24 08:34:54 | Event ID:            | 2024-07-24_210                         |
| Latitude, Longitude: | 46.1307, 10.5373    | Epicentral Distance: | 1283.24 km                             |
| Provider:            | EMSC                | Resource ID:         | quakeml:eu.emsc/event/20240724_0000115 |
| Depth:               | 4.0 km              | Magnitude:           | 1.5 ml                                 |
| P Predicted Time:    | 2024-07-24 08:37:40 | P Detected Time:     | 2024-07-24 08:37:38                    |
| P Time Error:        | -2.685886           | P Confidence:        | 0.8761433362960815                     |



Event Report For Earthquake 2024-07-24\_231

Station: AM.R50D6    Issued At: 2024-08-31 01:46:46

Earthquake 2024-07-24\_231 - Time: 2024-07-24 05:47:53 - Location: 37.97, 27.15 - Magnitude: 1.6 ml



|                      |                     |                      |  |
|----------------------|---------------------|----------------------|--|
| Time:                | 2024-07-24 05:47:53 | Event ID:            | 2024-07-24_231                         |
| Latitude, Longitude: | 37.9708, 27.1483    | Epicentral Distance: | 2852.48 km                             |
| Provider:            | EMSC                | Resource ID:         | quakeml:eu.emsc/event/20240724_0000091 |
| Depth:               | 7.4 km              | Magnitude:           | 1.6 ml                                 |
| P Predicted Time:    | 2024-07-24 05:53:27 | P Detected Time:     | 2024-07-24 05:53:23                    |
| P Time Error:        | -4.773361           | P Confidence:        | 0.8460769653320312                     |