

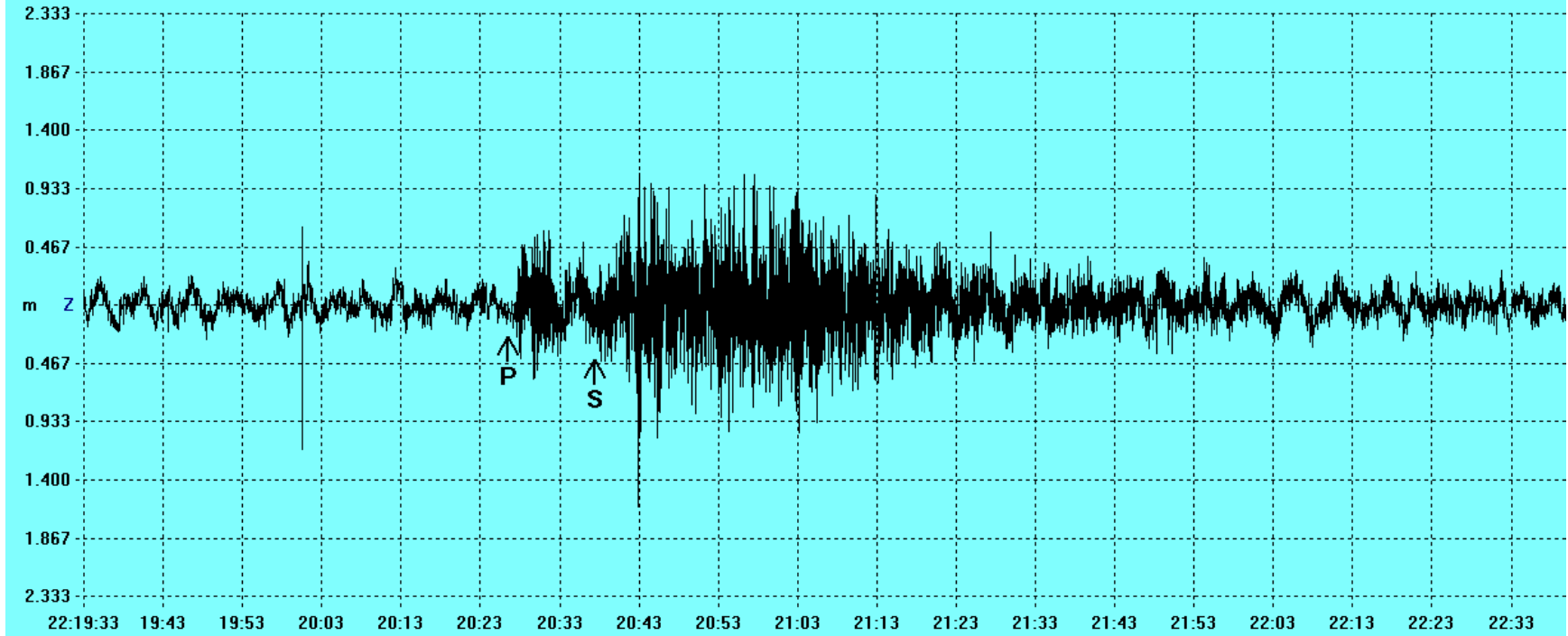
# **Apêndice**

## **Detonações Realizadas no Canteiro de Obras da UHE Santo Antônio**

**Agosto  
2011**

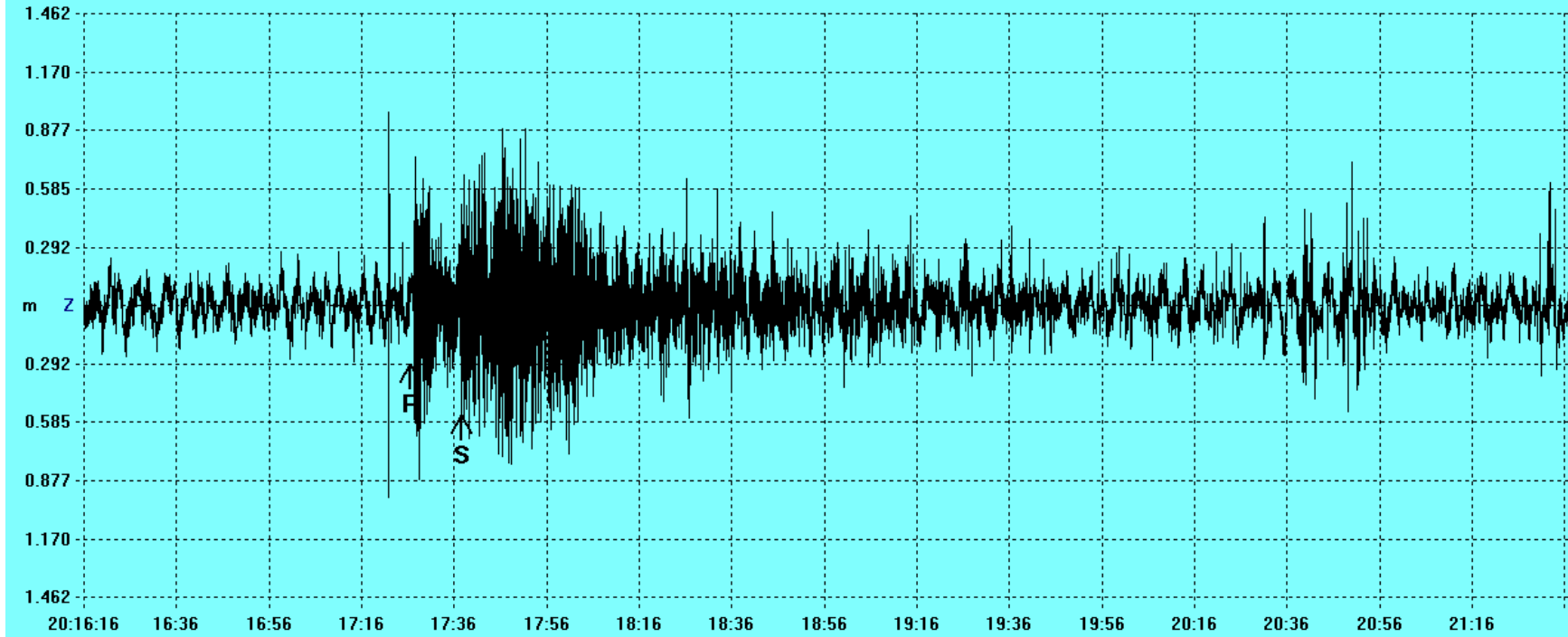
**Registros da Estação Sismológica de  
Samuel (SAML)**

Start: 8/05/11 21:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 144001 SPS: 40  
X: 3:07.0 Y: 2.33333m Max/Min: 9889/-10249 Peak: 3.49 m/sec View Peak: 1.615 m/sec  
Org: 22:20:11.4 P: 22:20:26.4 S: 22:20:37.5 Diff: 11.1sec Dist: 0.783deg 87.0km 54.1mi Mag: MI?? JB: 33



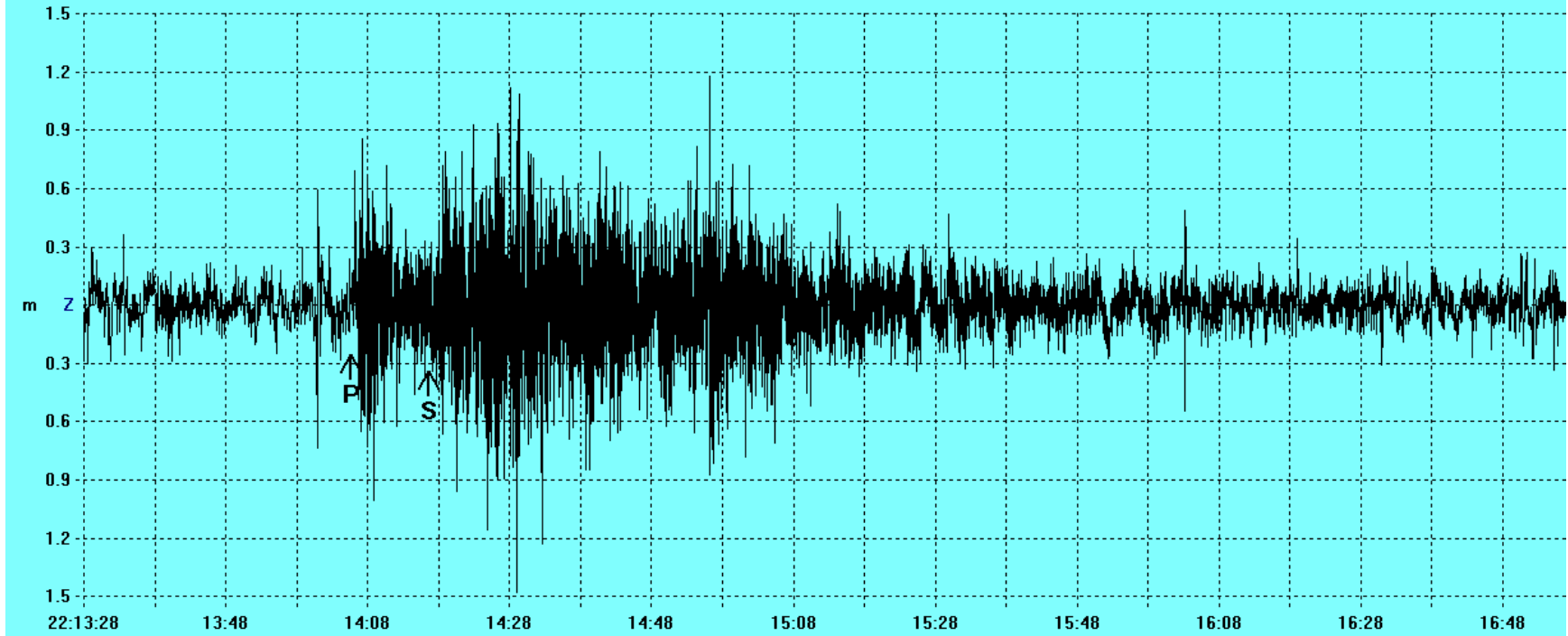
Evento 1

Start: 8/06/11 19:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 144001 SPS: 40  
X: 5:21.0 Y: 1.4625m Max/Min: 2846/-2812 Peak: 969.2 m/sec View Peak: 969.2 m/sec  
Org: 20:17:11.5 P: 20:17:26.5 S: 20:17:37.6 Diff: 11.1sec Dist: 0.783deg 87.0km 54.1mi Mag: MI?? JB: 33



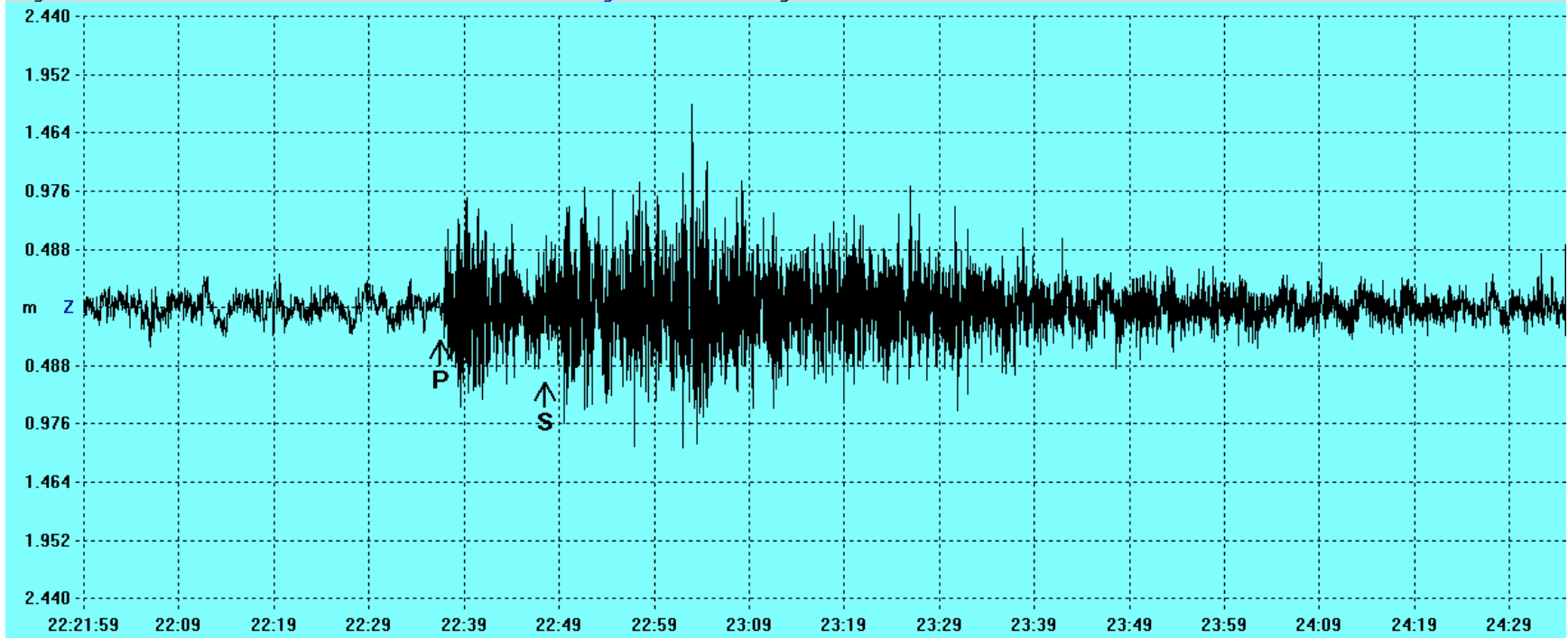
Evento 2

Start: 8/08/11 21:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 144001 SPS: 40  
X: 3:29.0 Y: 1.5m Max/Min: 3458/-4378 Peak: 1.491 m/sec View Peak: 1.48 m/sec  
Org: 22:13:50.7 P: 22:14:05.6 S: 22:14:16.6 Diff: 11.0sec Dist: 0.772deg 85.8km 53.3mi Mag: MI?? JB: 33



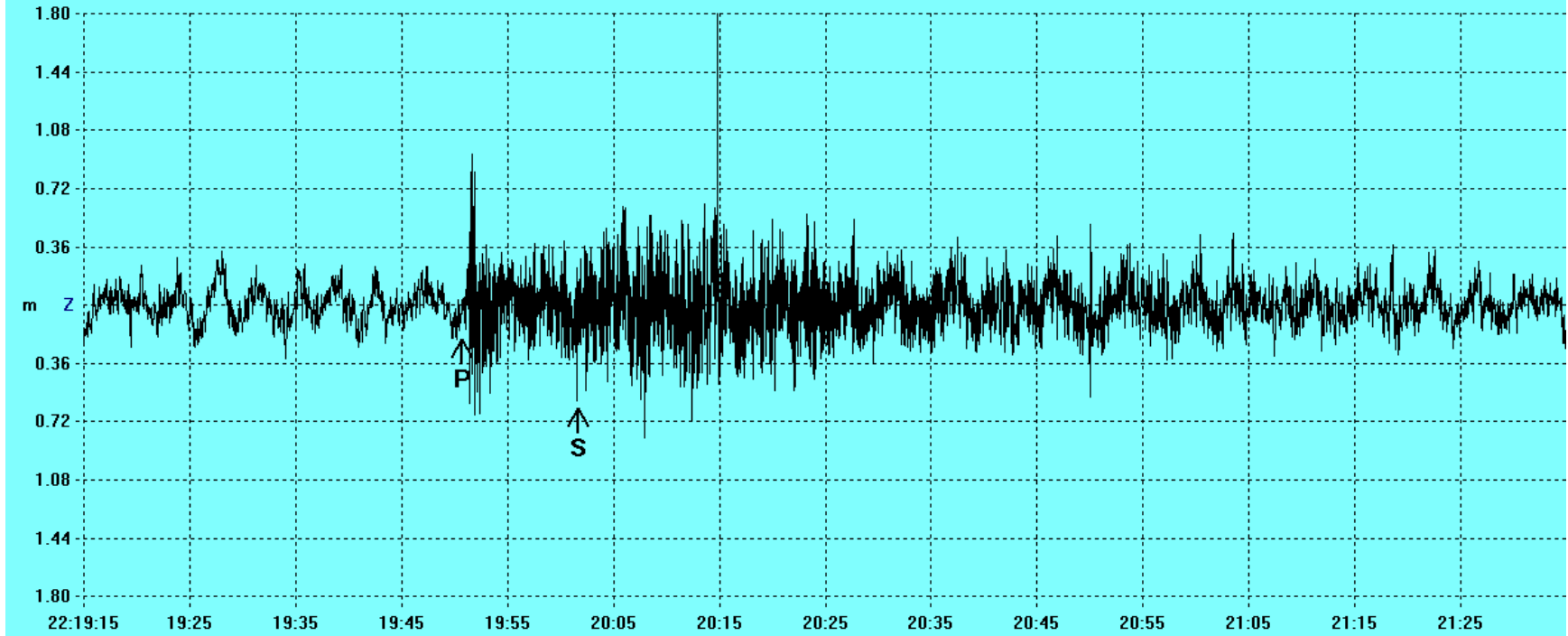
Evento 3

Start: 8/09/11 21:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 144001 SPS: 40  
X: 2:36.0 Y: 2.44m Max/Min: 17441/-17912 Peak: 6.099 m/sec View Peak: 1.694 m/sec  
Org: 22:22:21.6 P: 22:22:36.5 S: 22:22:47.5 Diff: 11.0sec Dist: 0.772deg 85.8km 53.3mi Mag: MI?? JB: 33



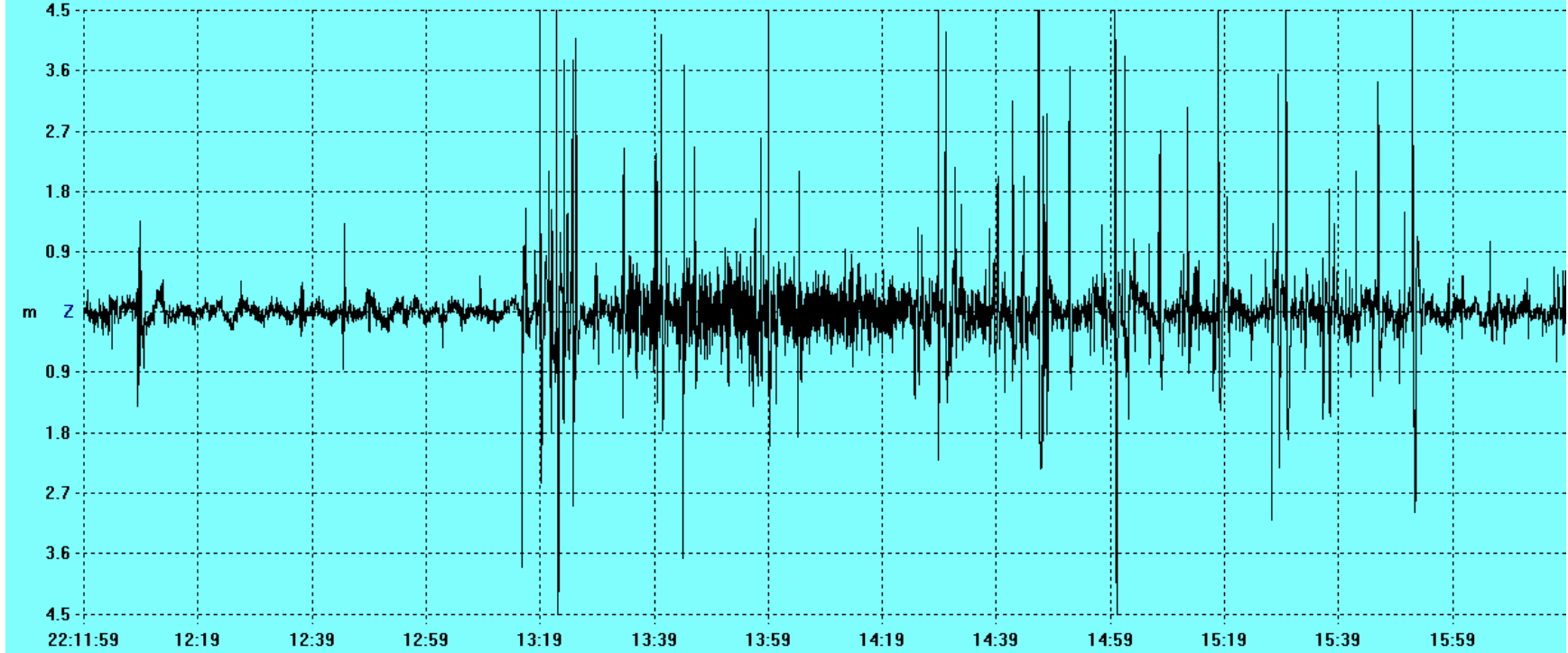
Evento 4

Start: 8/10/11 21:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 144001 SPS: 40  
X: 2:20.0 Y: 1.8m Max/Min: 10565/-10427 Peak: 3.598 m/sec View Peak: 1.944 m/sec  
Org: 22:19:35.8 P: 22:19:50.7 S: 22:20:01.7 Diff: 11.0sec Dist: 0.772deg 85.8km 53.3mi Mag: MI?? JB: 33



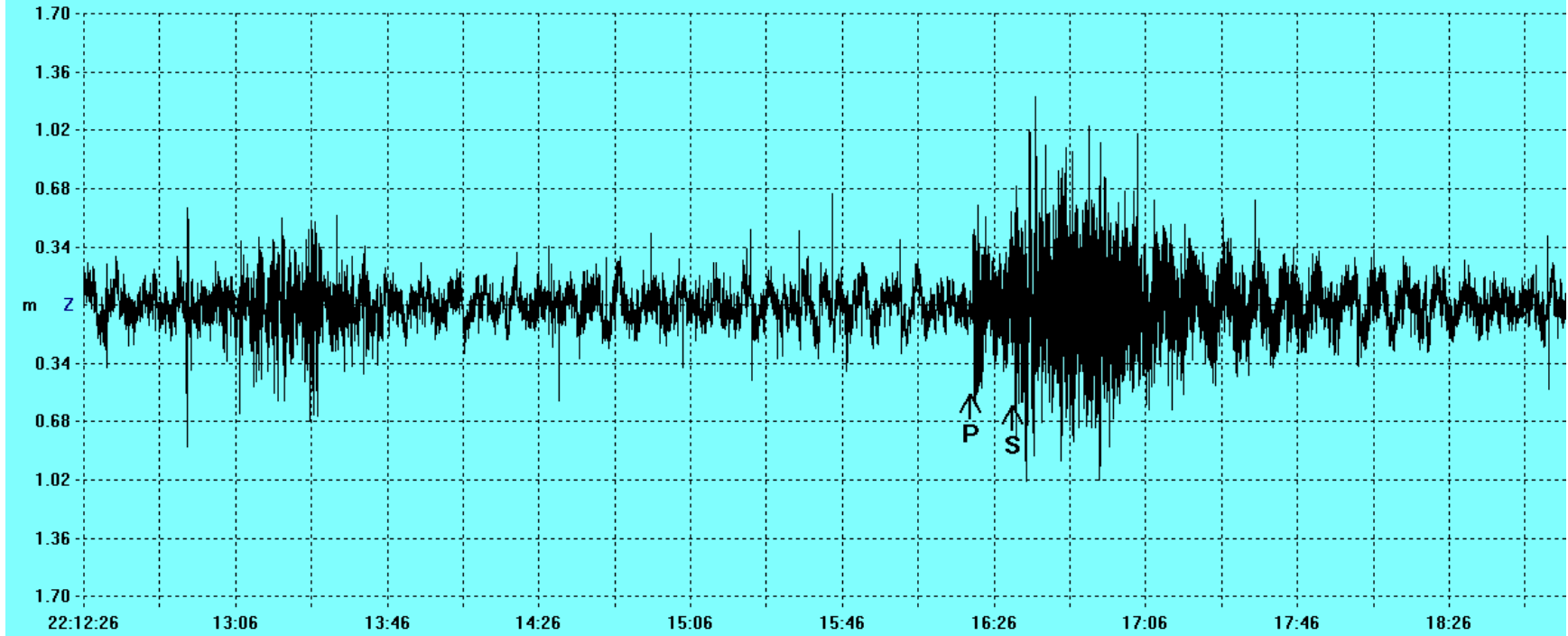
Evento 5

Start: 8/11/11 21:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 144001 SPS: 40  
X: 4.20.0 Y: 4.5m Max/Min: 52602/-36637 Peak: 17.91 m/sec View Peak: 7.739 m/sec



Evento 6

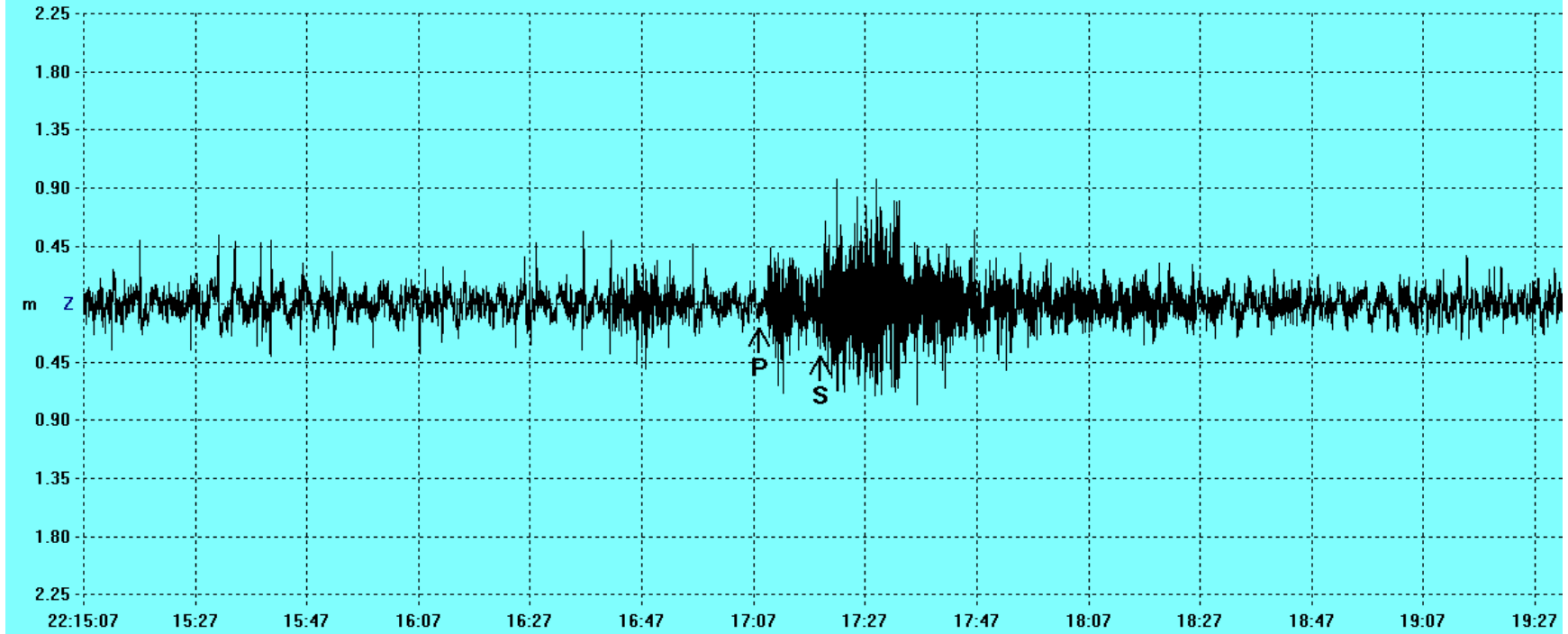
Start: 8/12/11 21:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 144001 SPS: 40  
X: 6.31.0 Y: 1.7m Max/Min: 4427/-4814 Peak: 1.639 m/sec View Peak: 1.212 m/sec  
Org: 22:16:04.7 P: 22:16:19.7 S: 22:16:30.8 Diff: 11.1sec Dist: 0.783deg 87.0km 54.1mi Mag: MI?? JB: 33



Evento 7

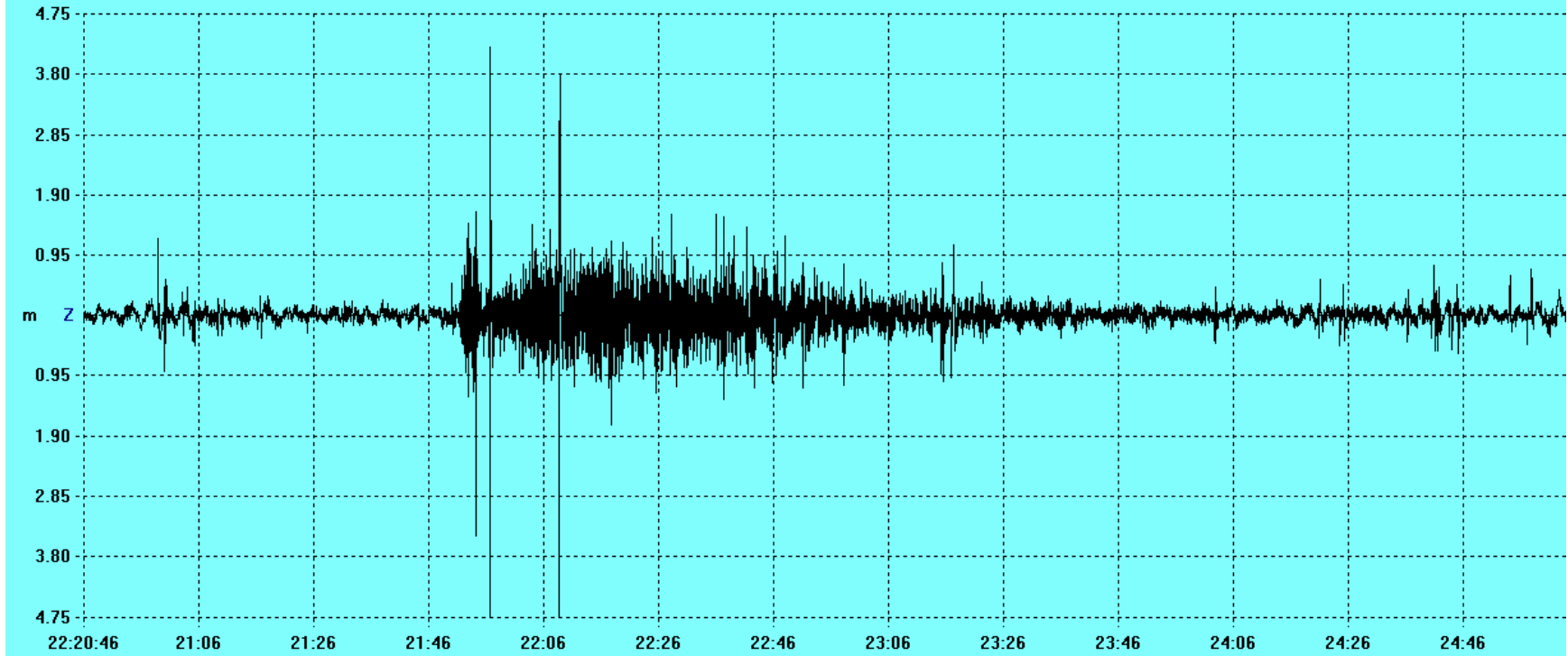


Start: 8/15/11 21:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 144001 SPS: 40  
X: 4.25.0 Y: 2.25m Max/Min: 10545/-13149 Peak: 4.477 m/sec View Peak: 967.4 m/sec  
Org: 22:16:53.3 P: 22:17:08.0 S: 22:17:18.9 Diff: 10.9sec Dist: 0.761deg 84.6km 52.6mi Mag: MI?? JB: 33



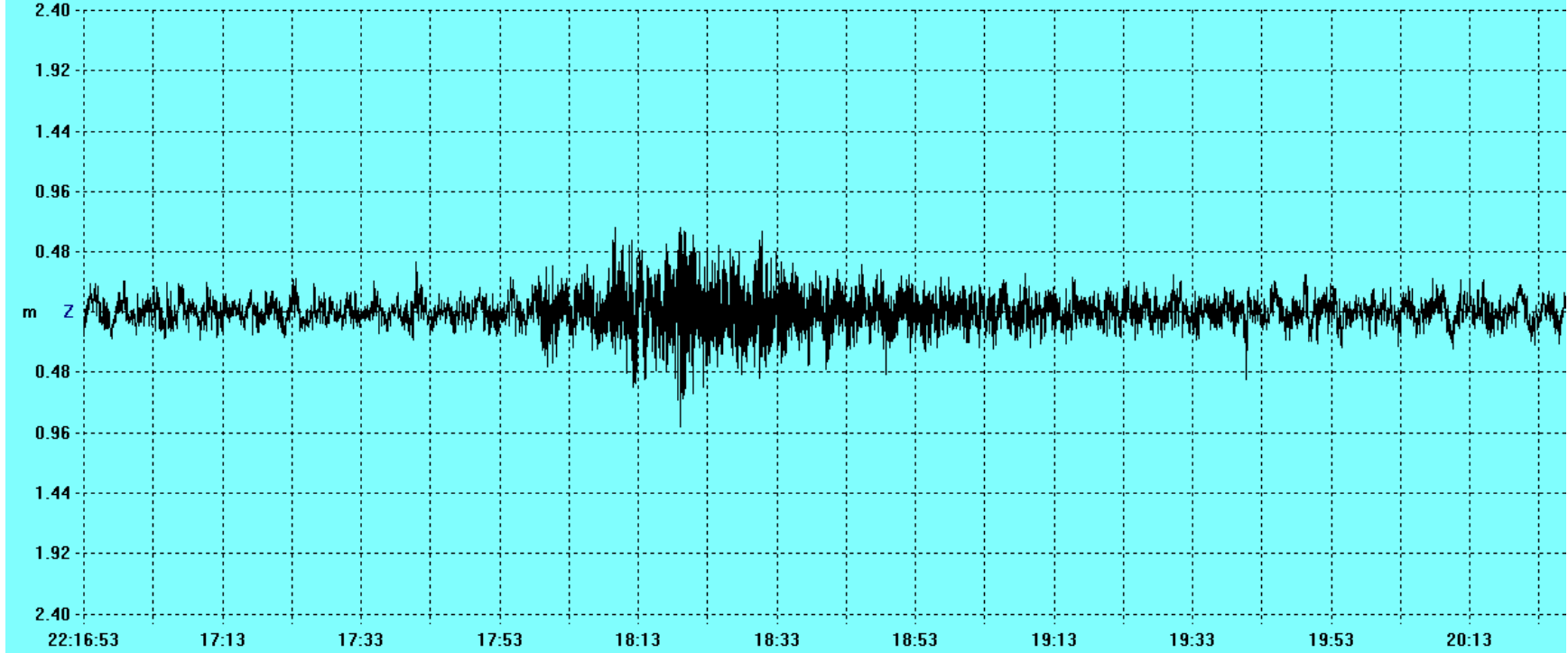
Evento 8

Start: 8/16/11 21:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 144001 SPS: 40  
X: 4.18.0 Y: 4.75m Max/Min: 12363/-27758 Peak: 9.452 m/sec View Peak: 9.452 m/sec



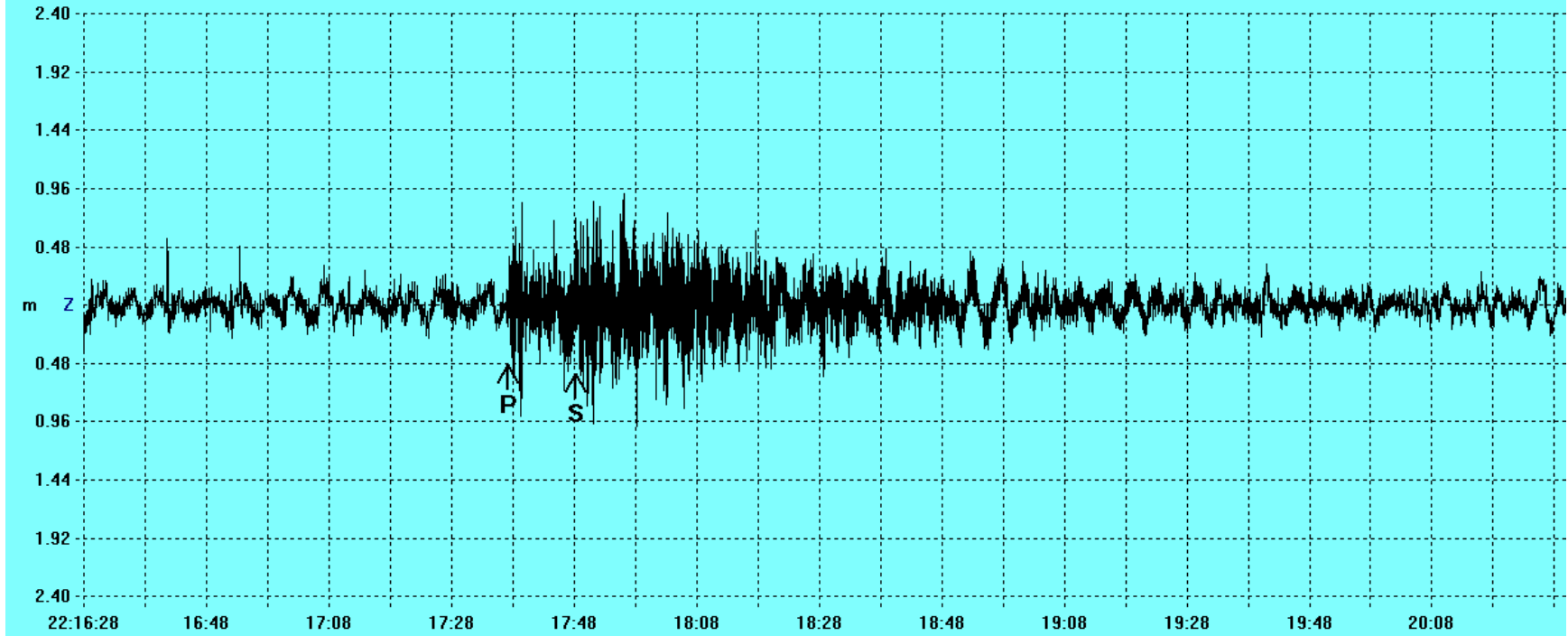
Evento 9

Start: 8/18/11 21:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 144001 SPS: 40  
X: 3:34.0 Y: 2.4m Max/Min: 6834/-10476 Peak: 3.567 m/sec View Peak: 918.3 m/sec



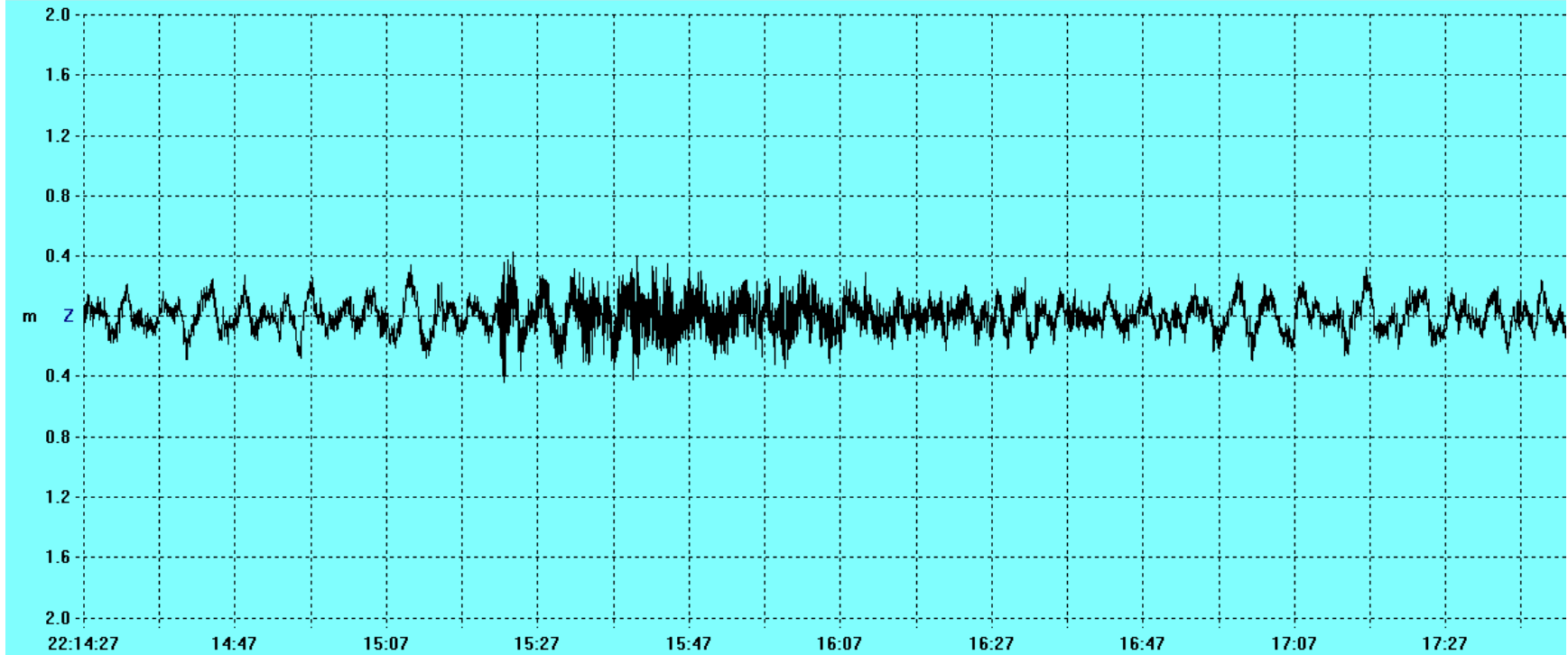
Evento 10

Start: 8/19/11 21:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 144001 SPS: 40  
X: 4.02.0 Y: 2.4m Max/Min: 32170/-34178 Peak: 11.64 m/sec View Peak: 1.002 m/sec  
Org: 22:17:22.3 P: 22:17:37.2 S: 22:17:48.2 Diff: 11.0sec Dist: 0.772deg 85.8km 53.3mi Mag: MI?? JB: 33



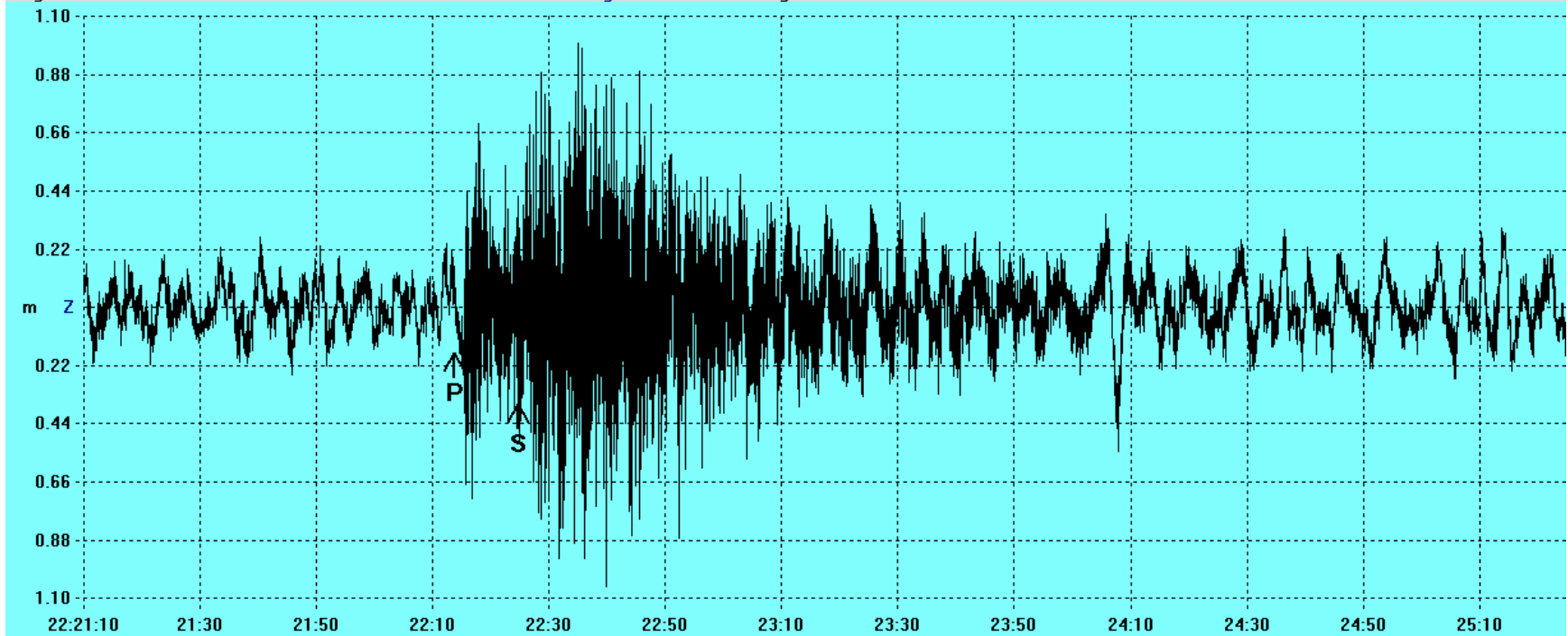
Evento 11

Start: 8/22/11 21:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 144001 SPS: 40  
X: 3:16.0 Y: 2m Max/Min: 8521/-2050 Peak: 2.901 m/sec View Peak: 439.2 m/sec



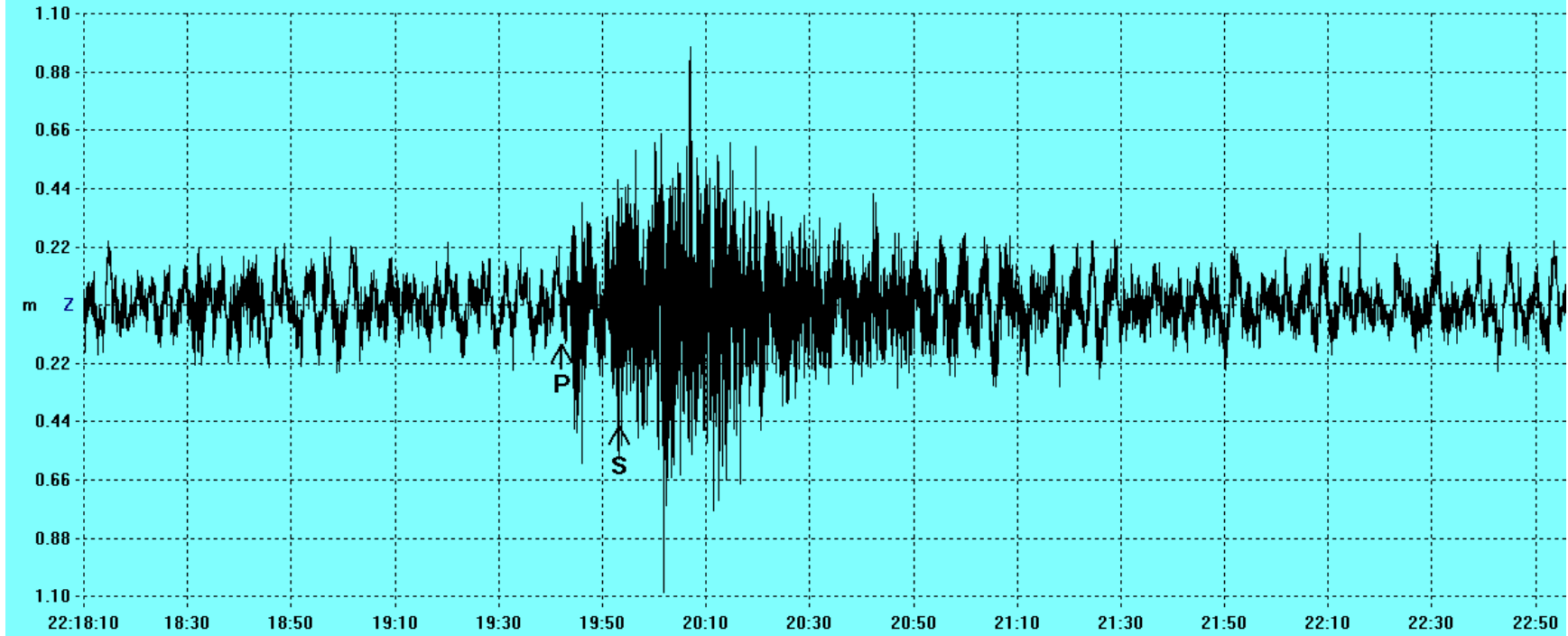
Evento 12

Start: 8/24/11 21:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 144001 SPS: 40  
X: 4.15.0 Y: 1.1m Max/Min: 2930/-3096 Peak: 1.054 m/sec View Peak: 1.054 m/sec  
Org: 22:21:58.8 P: 22:22:13.7 S: 22:22:24.7 Diff: 11.0sec Dist: 0.772deg 85.8km 53.3mi Mag: MI?? JB: 33



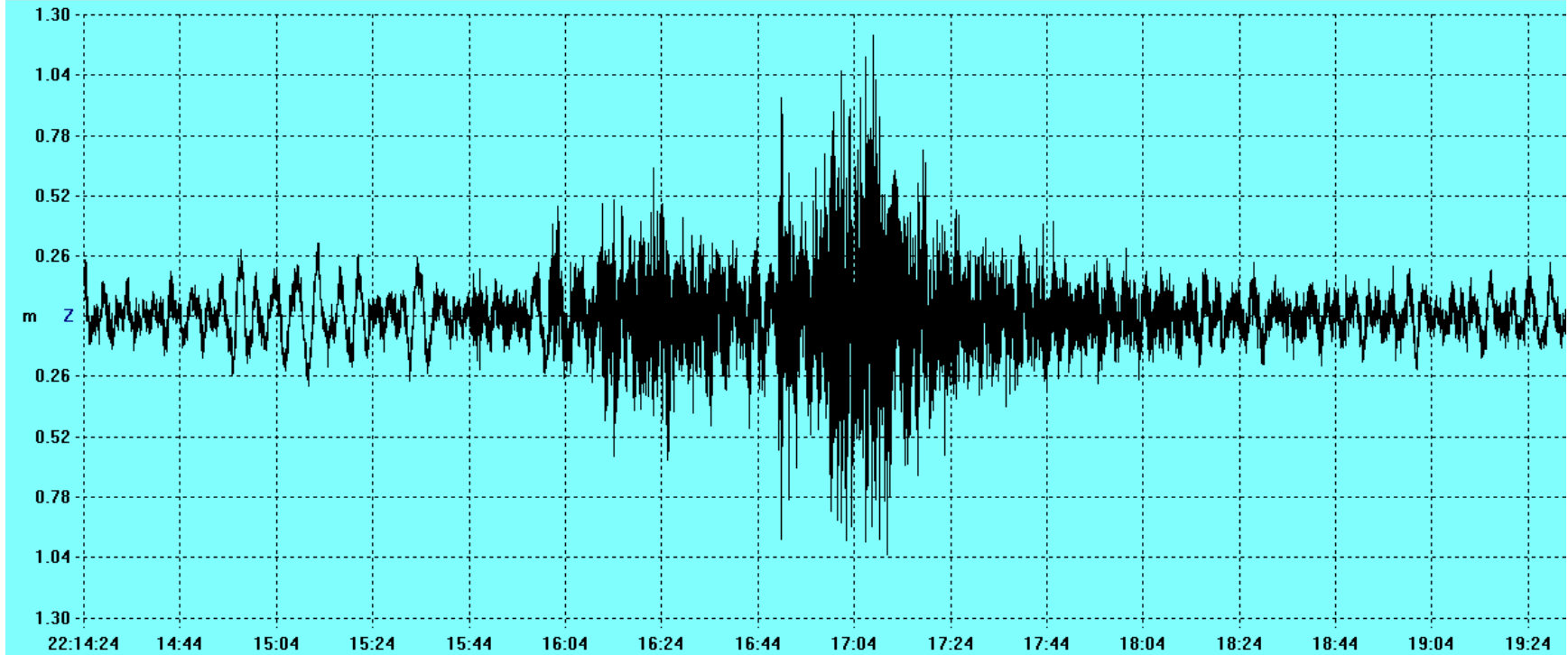
Evento 13

Start: 8/25/11 21:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 144001 SPS: 40  
X: 4.46.0 Y: 1.1m Max/Min: 2852/-3186 Peak: 1.085 m/sec View Peak: 1.085 m/sec  
Org: 22:19:27.1 P: 22:19:42.1 S: 22:19:53.2 Diff: 11.1sec Dist: 0.783deg 87.0km 54.1mi Mag: MI?? JB: 33



Evento 14

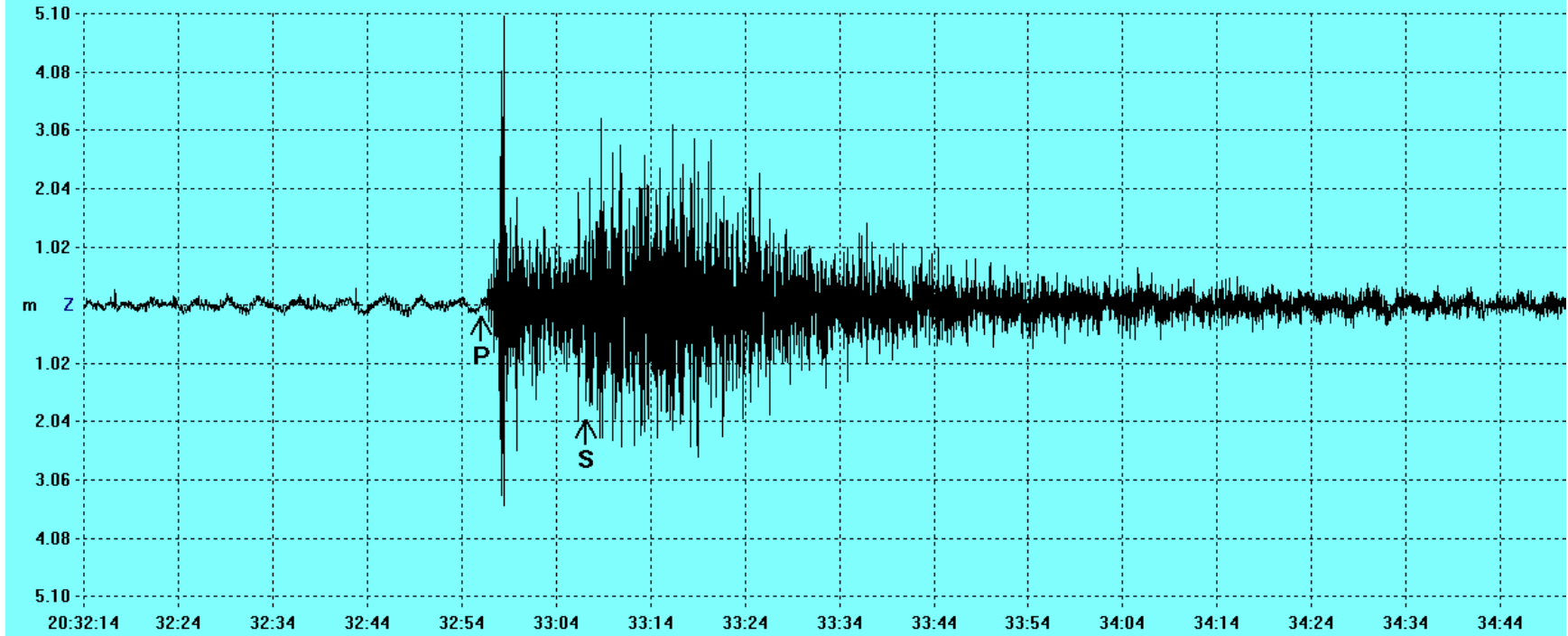
Start: 8/26/11 21:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 144001 SPS: 40  
X: 5:08.0 Y: 1.3m Max/Min: 3558/-3115 Peak: 1.212 m/sec View Peak: 1.212 m/sec



Evento 15

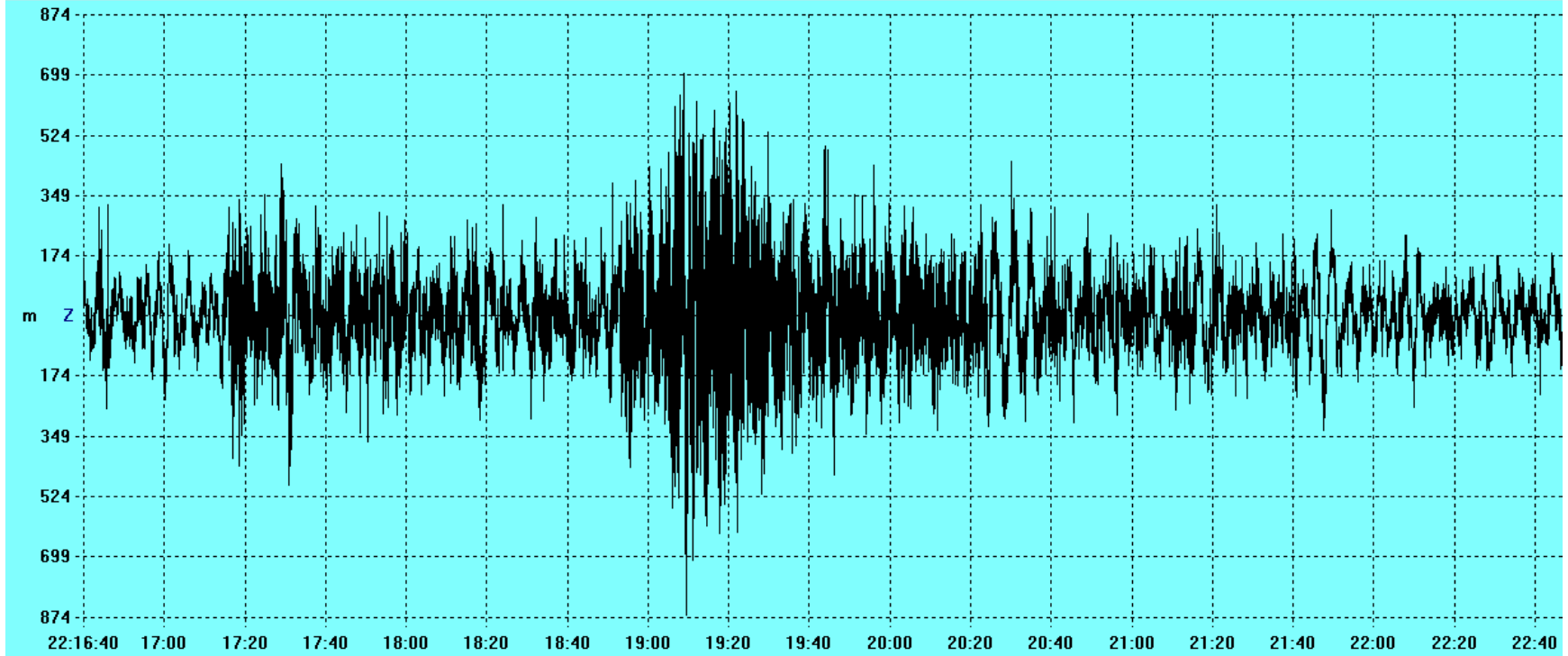


Start: 8/27/11 19:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 144001 SPS: 40  
X: 2.37.0 Y: 5.1m Max/Min: 14808/-10261 Peak: 5.042 m/sec View Peak: 5.042 m/sec  
Org: 20:32:41.2 P: 20:32:56.1 S: 20:33:07.1 Diff: 11.0sec Dist: 0.772deg 85.8km 53.3mi Mag: MI?? JB: 33



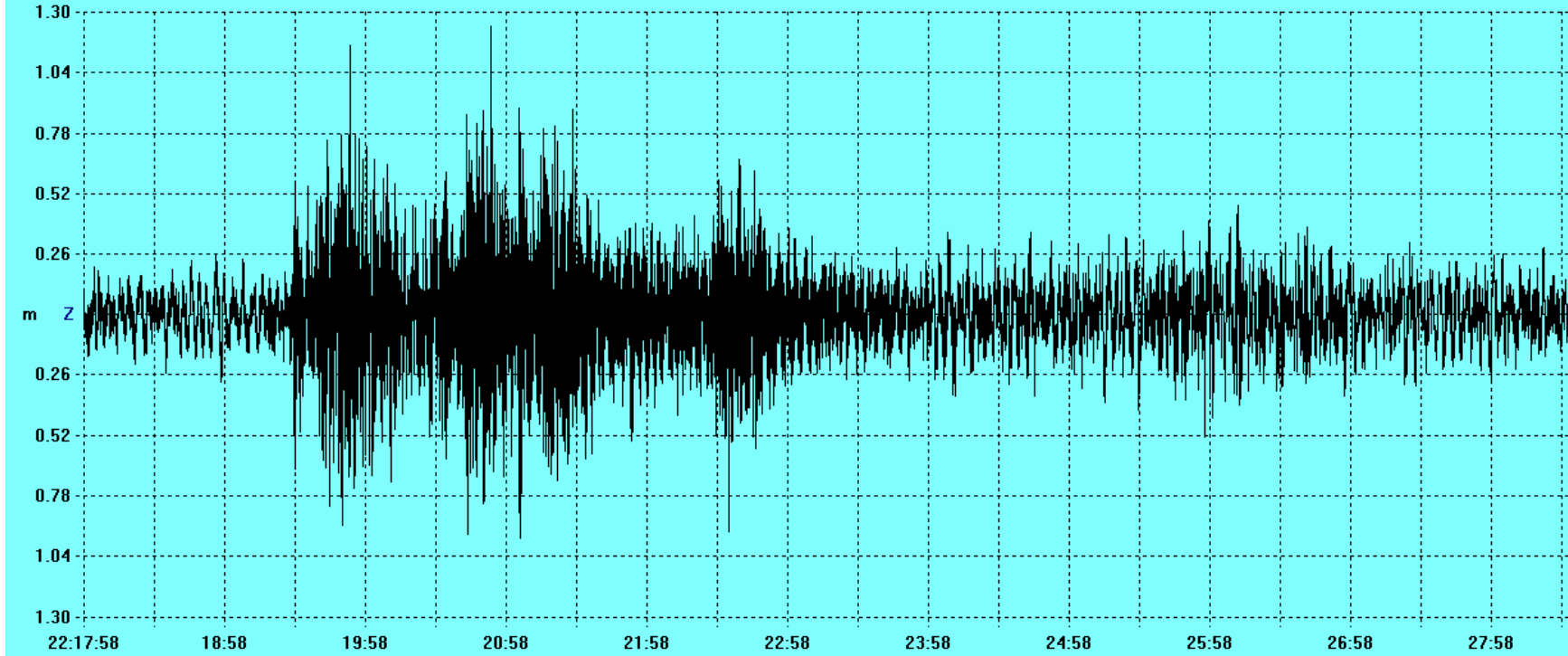
Evento 16

Start: 8/29/11 21:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 144001 SPS: 40  
X: 6:07.0 Y: 875m Max/Min: 2073/-2550 Peak: 868.3 m/sec View Peak: 868.3 m/sec



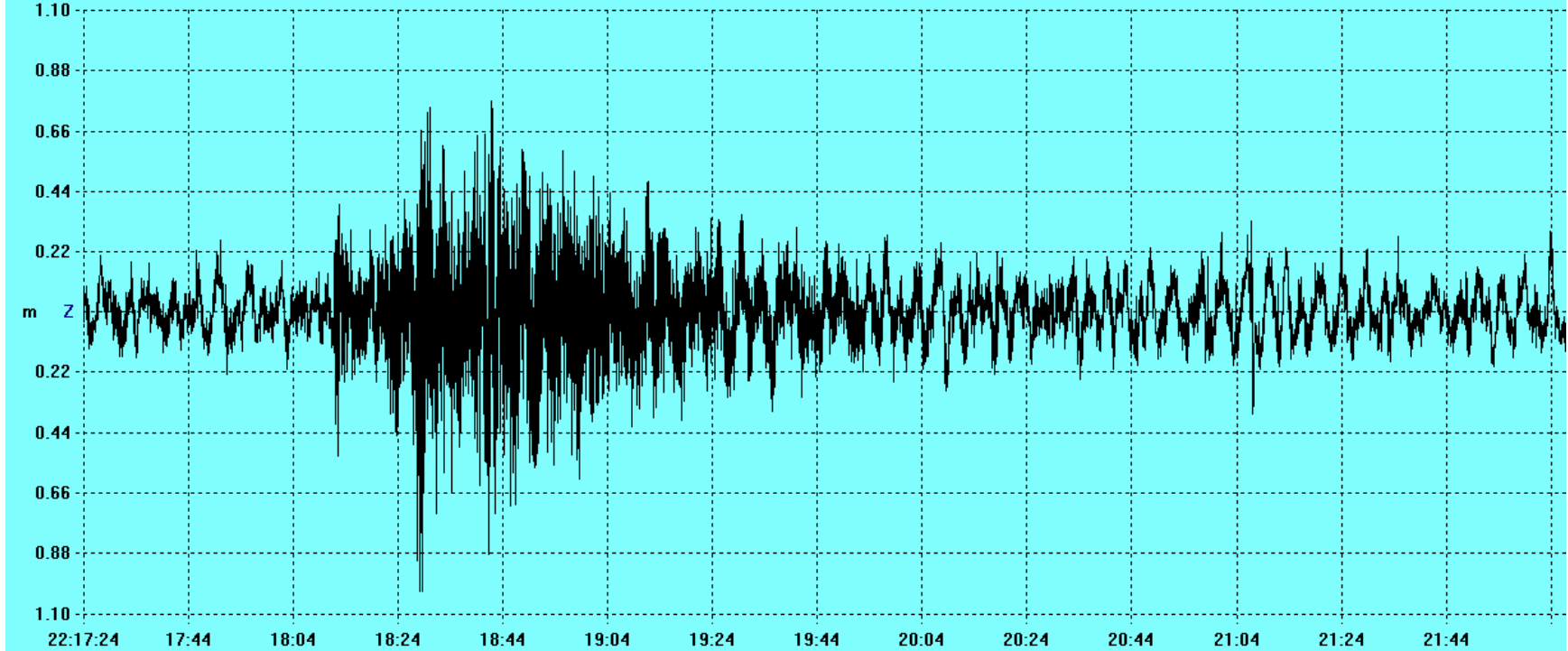
Evento 17

Start: 8/30/11 21:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 144001 SPS: 40  
X: 10:33.0 Y: 1.3m Max/Min: 3626/-2824 Peak: 1.235 m/sec View Peak: 1.235 m/sec



Evento 18

Start: 8/31/11 21:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 144001 SPS: 40  
X: 4.43.0 Y: 1.1m Max/Min: 3029/-2986 Peak: 1.032 m/sec View Peak: 1.017 m/sec



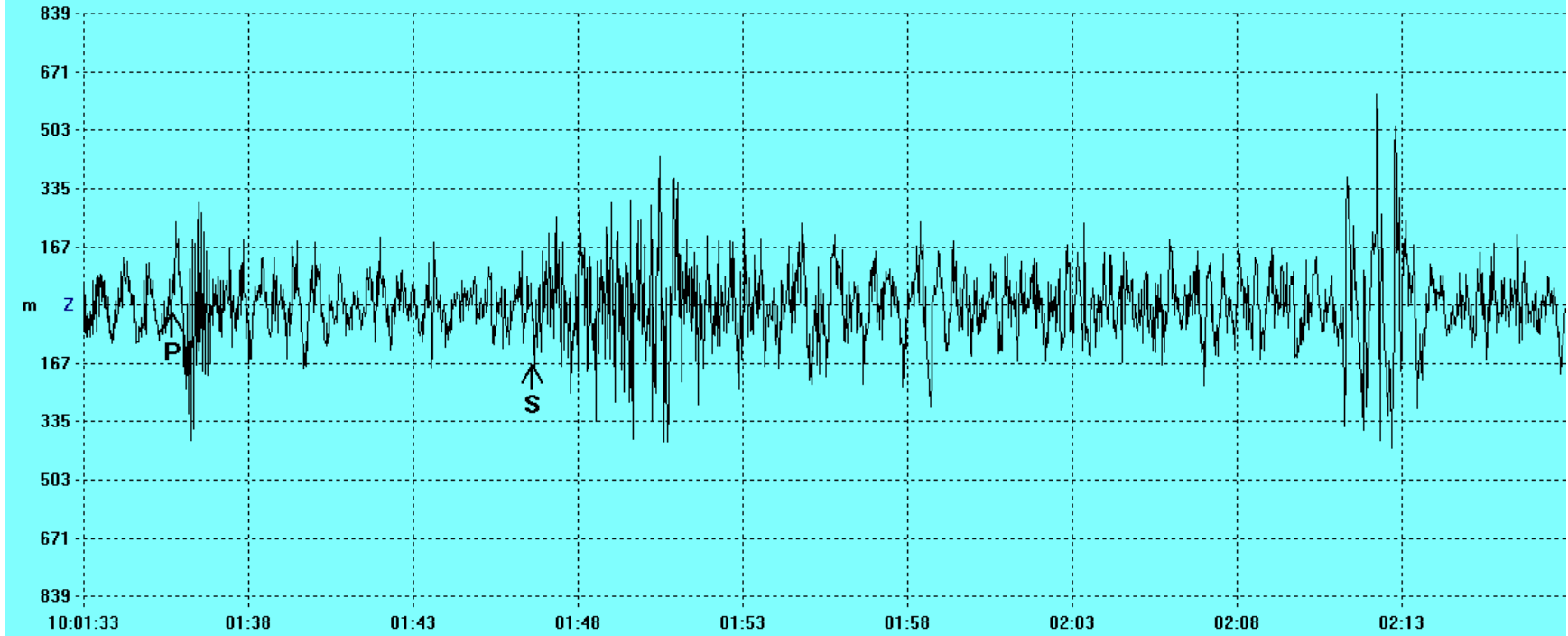
Evento 19

**Detonações Realizadas na Margem  
Direita do Canteiro de Obras da UHE  
Santo Antônio**

**Agosto  
2011**

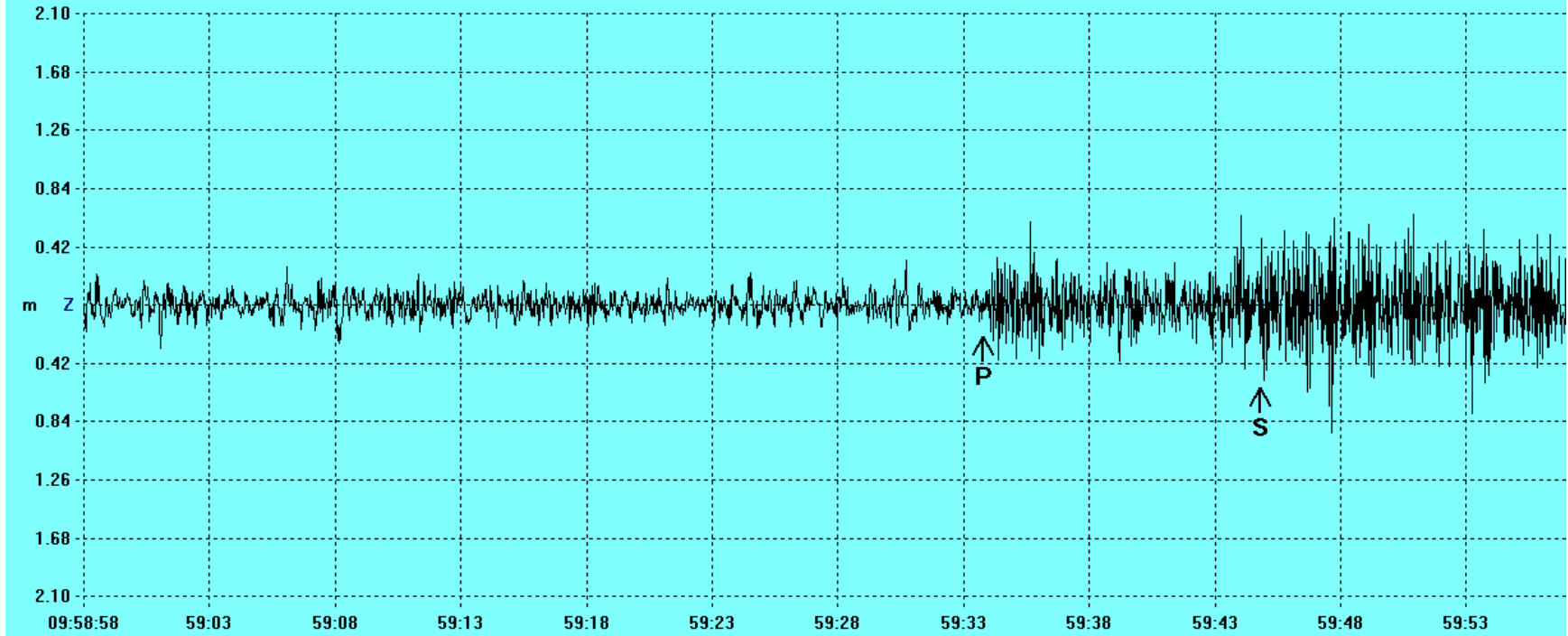
**Registros da Estação Sismológica de  
Samuel (SAML)**

Start: 8/04/11 9:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 144001 SPS: 40  
X: 45.0 Y: 840m Max/Min: 6082/-5368 Peak: 2.071 m/sec View Peak: 607.3 m/sec  
Org: 10:01:21.0 P: 10:01:35.7 S: 10:01:46.6 Diff: 10.9sec Dist: 0.761deg 84.6km 52.6mi Mag: MI?? JB: 33



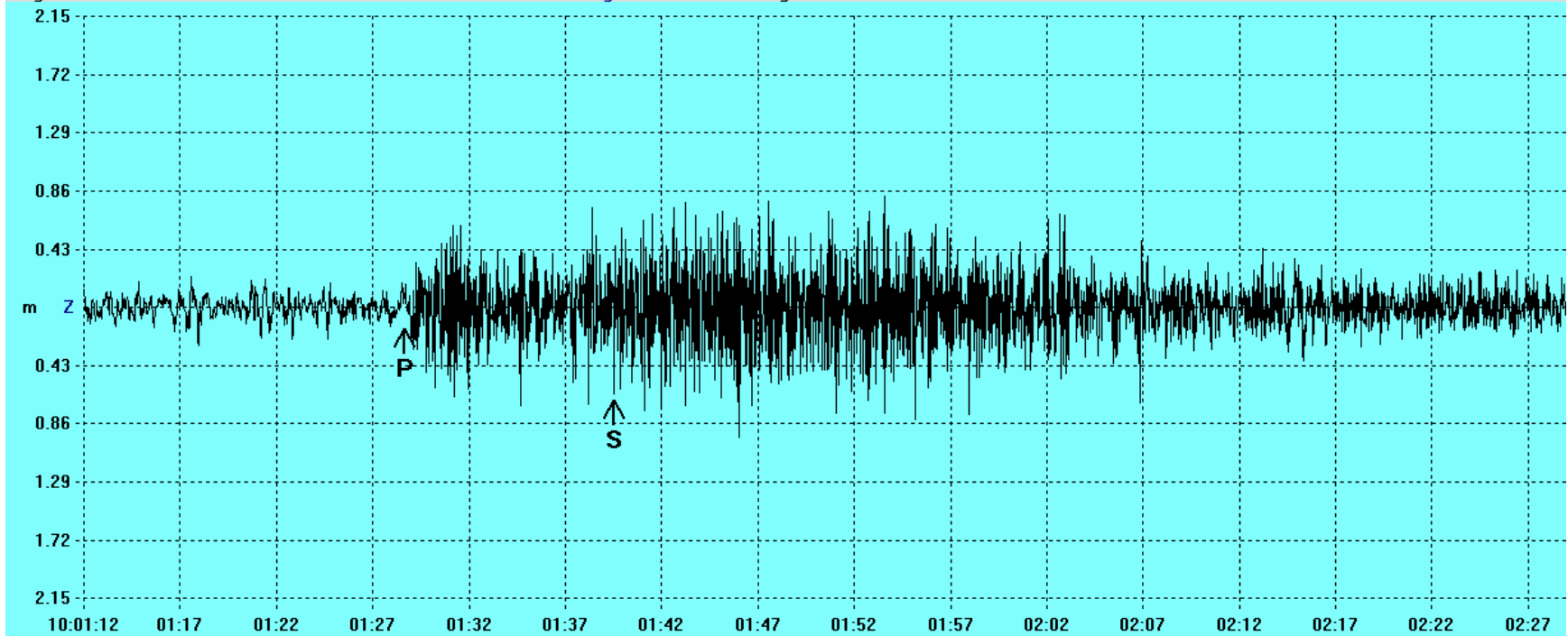
Evento 21

Start: 8/07/11 8:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 144001 SPS: 40  
X: 59.0 Y: 2.1m Max/Min: 5739/-6037 Peak: 2.056 m/sec View Peak: 923 m/sec  
Org: 9:59:18.9 P: 9:59:33.8 S: 9:59:44.8 Diff: 11.0sec Dist: 0.772deg 85.8km 53.3mi Mag: MI?? JB: 33



Evento 22

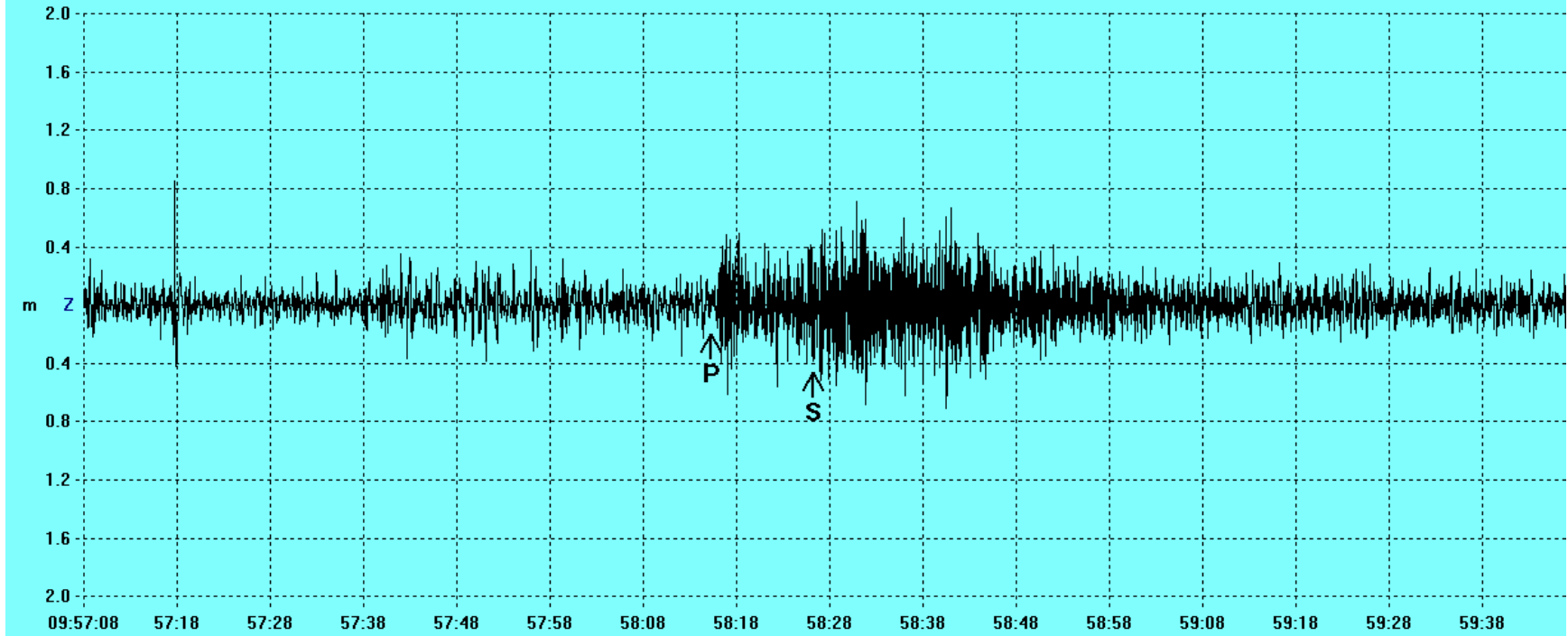
Start: 8/10/11 9:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 144001 SPS: 40  
X: 1:17.0 Y: 2.15m Max/Min: 12364/-11381 Peak: 4.21 m/sec View Peak: 963.3 m/sec  
Org: 10:01:13.9 P: 10:01:28.6 S: 10:01:39.5 Diff: 10.9sec Dist: 0.761deg 84.6km 52.6mi Mag: MI?? JB: 33



Evento 23

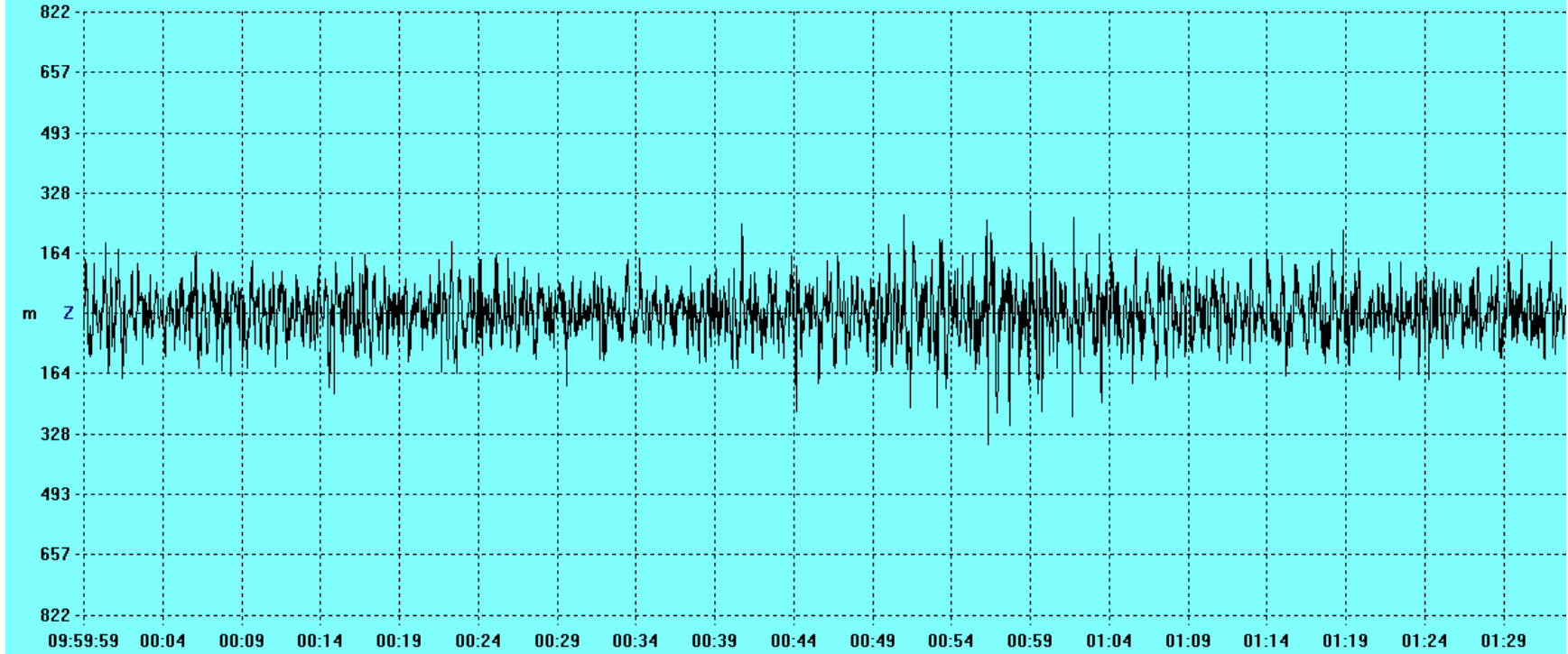


Start: 8/12/11 8:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 144001 SPS: 40  
X: 2:39.0 Y: 2m Max/Min: 8558/-11636 Peak: 3.962 m/sec View Peak: 851.8 m/sec  
Org: 9:58:00.3 P: 9:58:15.2 S: 9:58:26.2 Diff: 11.0sec Dist: 0.772deg 85.8km 53.3mi Mag: MI?? JB: 33



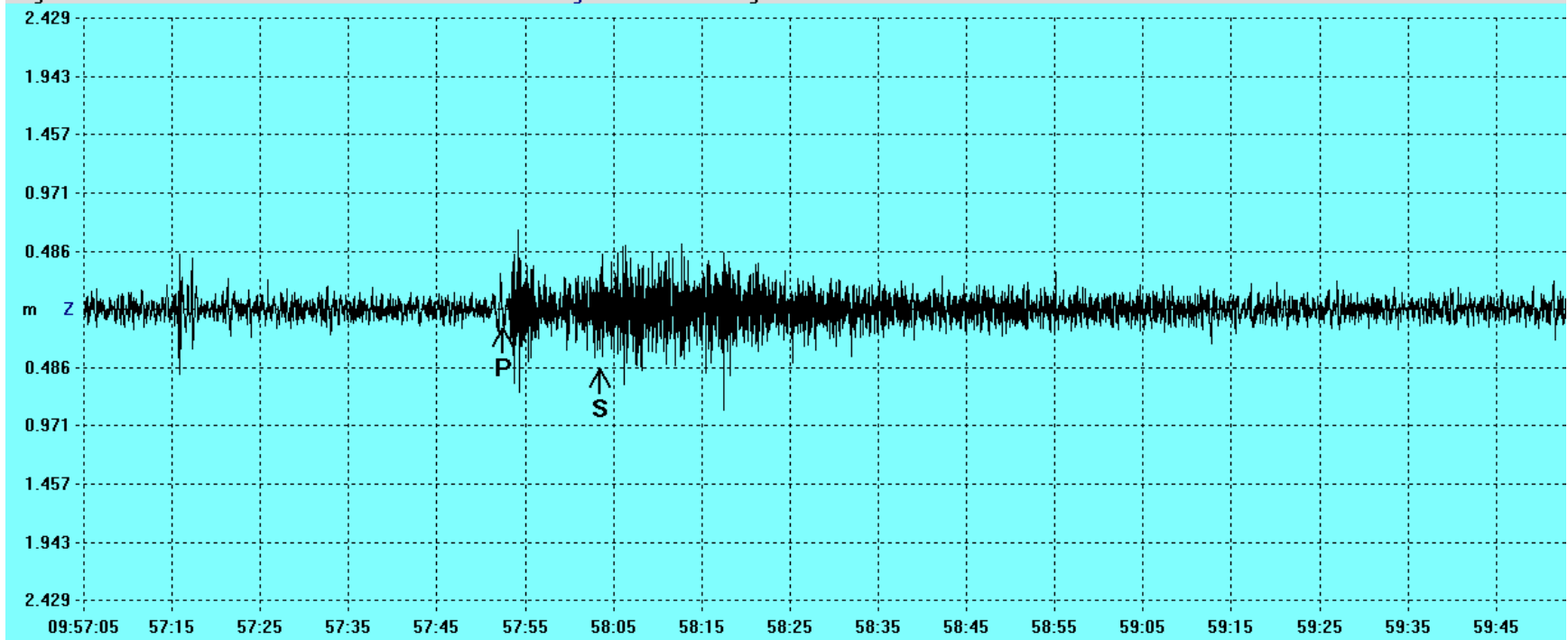
Evento 24

Start: 8/13/11 9:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 144001 SPS: 40  
X: 1:34.0 Y: 822.222m Max/Min: 5432/-10648 Peak: 3.626 m/sec View Peak: 359.6 m/sec



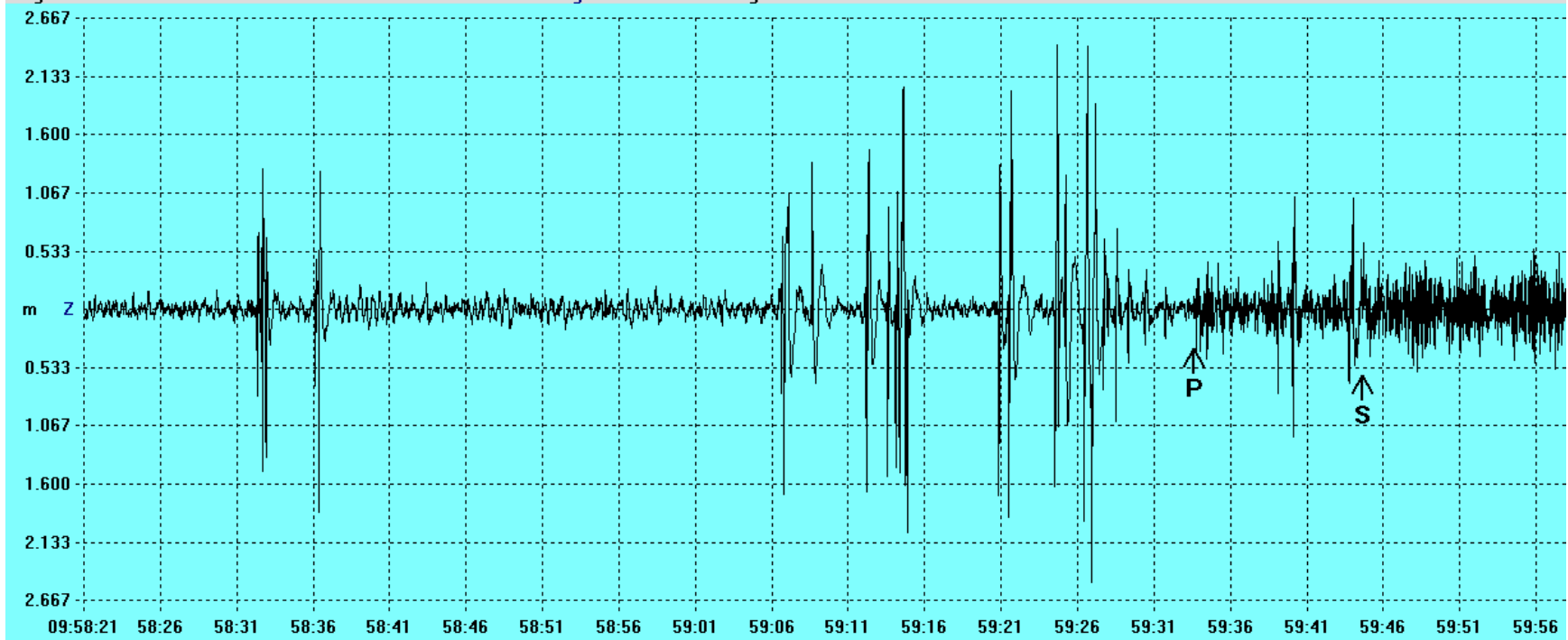
Evento 25

Start: 8/14/11 8:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 144001 SPS: 40  
X: 2:48.0 Y: 2.42857m Max/Min: 24801/-22369 Peak: 8.445 m/sec View Peak: 835.3 m/sec  
Org: 9:57:37.6 P: 9:57:52.5 S: 9:58:03.5 Diff: 11.0sec Dist: 0.772deg 85.8km 53.3mi Mag: MI?? JB: 33



Evento 26

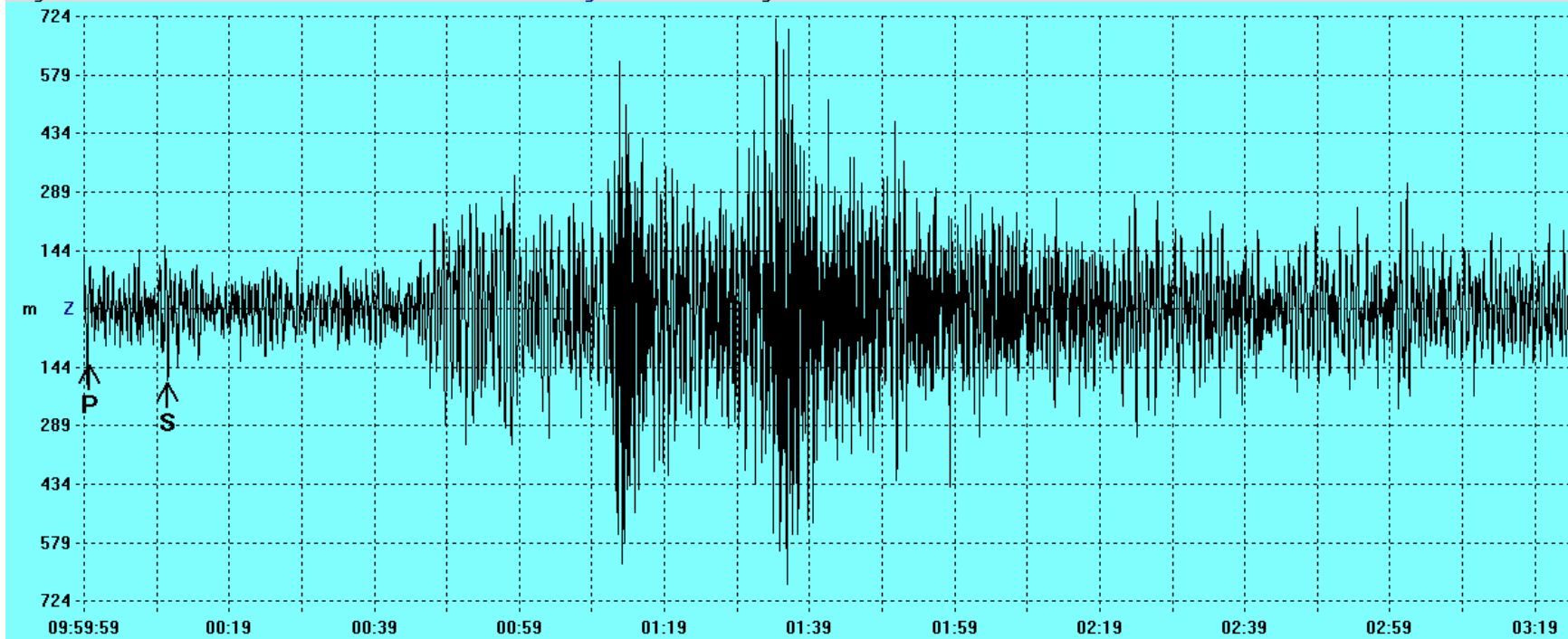
Start: 8/18/11 8:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 144001 SPS: 40  
X: 1:37.0 Y: 2.66667m Max/Min: 11517/-10119 Peak: 3.922 m/sec View Peak: 2.497 m/sec  
Org: 9:59:18.7 P: 9:59:33.6 S: 9:59:44.6 Diff: 11.0sec Dist: 0.772deg 85.8km 53.3mi Mag: MI?? JB: 33



Evento 28

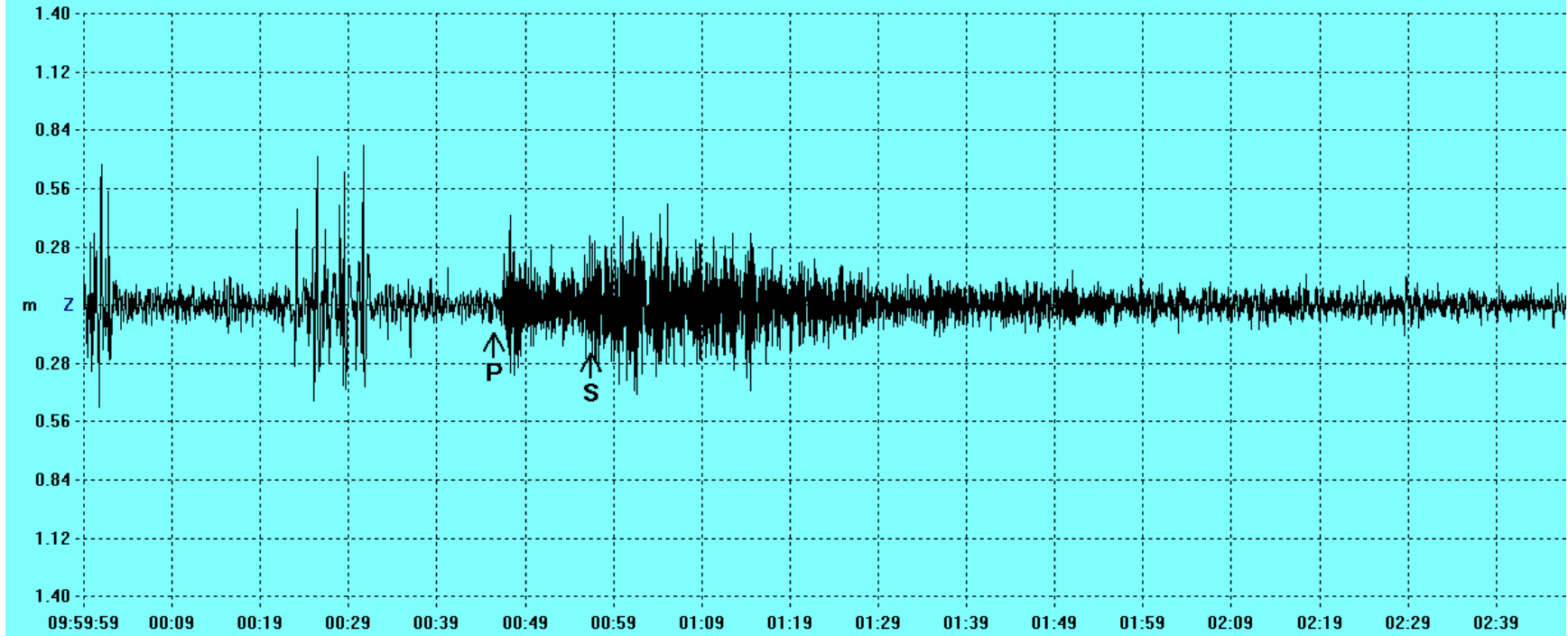
O evento a seguir antecede um telessismo registrado por SAML:

Start: 8/21/11 9:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 144001 SPS: 40  
X: 3:25.0 Y: 725m Max/Min: 2105/-2004 Peak: 716.9 m/sec View Peak: 716.9 m/sec  
Org: 9:59:45.1 P: 9:59:59.7 S: 10:00:10.5 Diff: 10.8sec Dist: 0.750deg 83.4km 51.8mi Mag: M1?? JB: 33



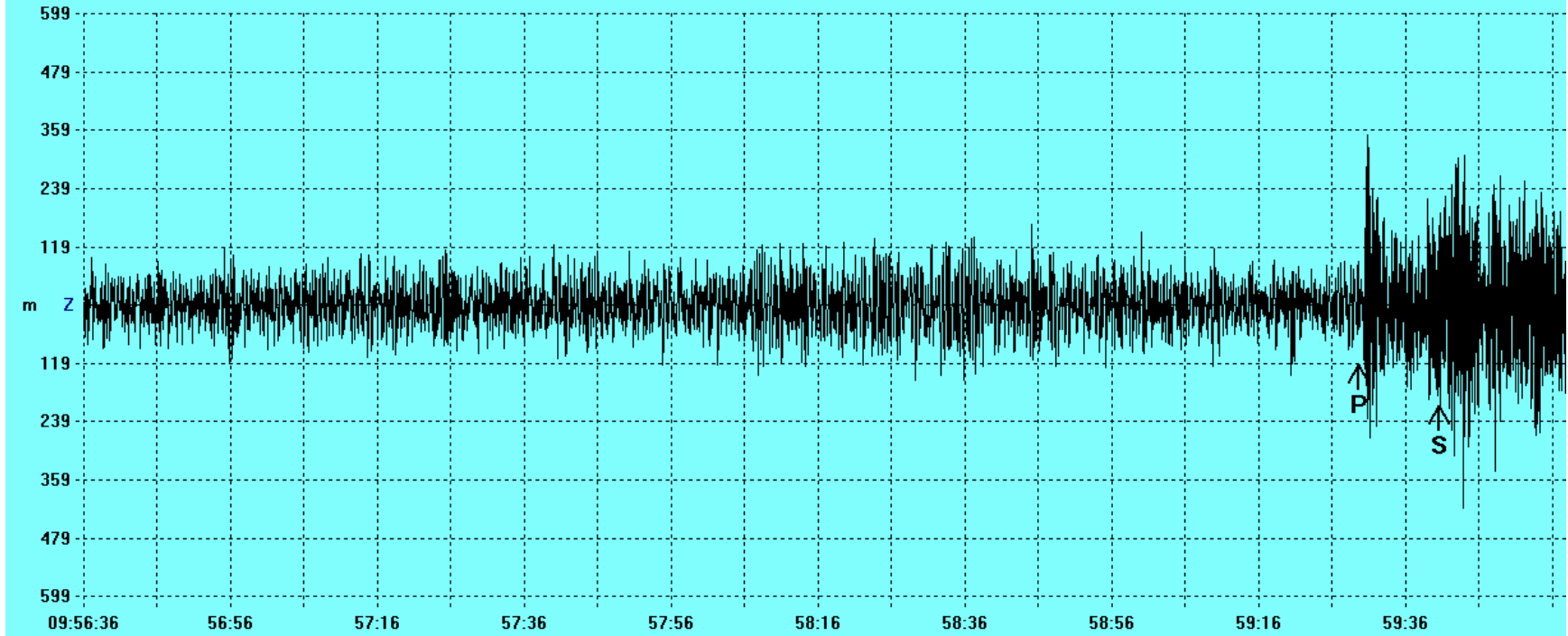
Evento 29

Start: 8/25/11 9:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 144001 SPS: 40  
X: 2:48.0 Y: 1.4m Max/Min: 3341/-3897 Peak: 1.327 m/sec View Peak: 763 m/sec  
Org: 10:00:30.5 P: 10:00:45.4 S: 10:00:56.4 Diff: 11.0sec Dist: 0.772deg 85.8km 53.3mi Mag: MI?? JB: 33



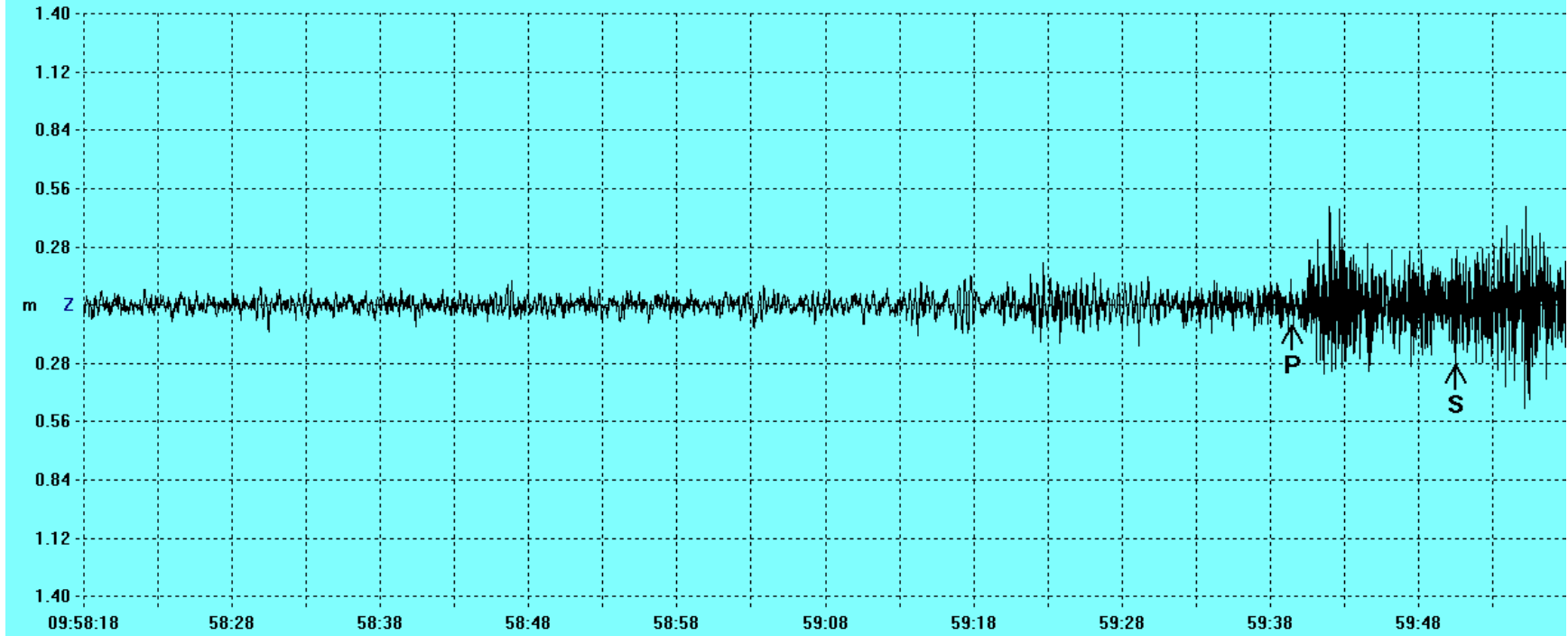
Evento 30

Start: 8/27/11 8:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 144001 SPS: 40  
X: 3:22.0 Y: 600m Max/Min: 1753/-1717 Peak: 597.2 m/sec View Peak: 416.4 m/sec  
Org: 9:59:14.7 P: 9:59:29.6 S: 9:59:40.6 Diff: 11.0sec Dist: 0.772deg 85.8km 53.3mi Mag: MI?? JB: 33



Evento 31

Start: 8/30/11 8:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 144001 SPS: 40  
X: 1:40.0 Y: 1.4m Max/Min: 3957/-1830 Peak: 1.347 m/sec View Peak: 498.8 m/sec  
Org: 9:59:24.6 P: 9:59:39.5 S: 9:59:50.5 Diff: 11.0sec Dist: 0.772deg 85.8km 53.3mi Mag: MI?? JB: 33



Evento 32