

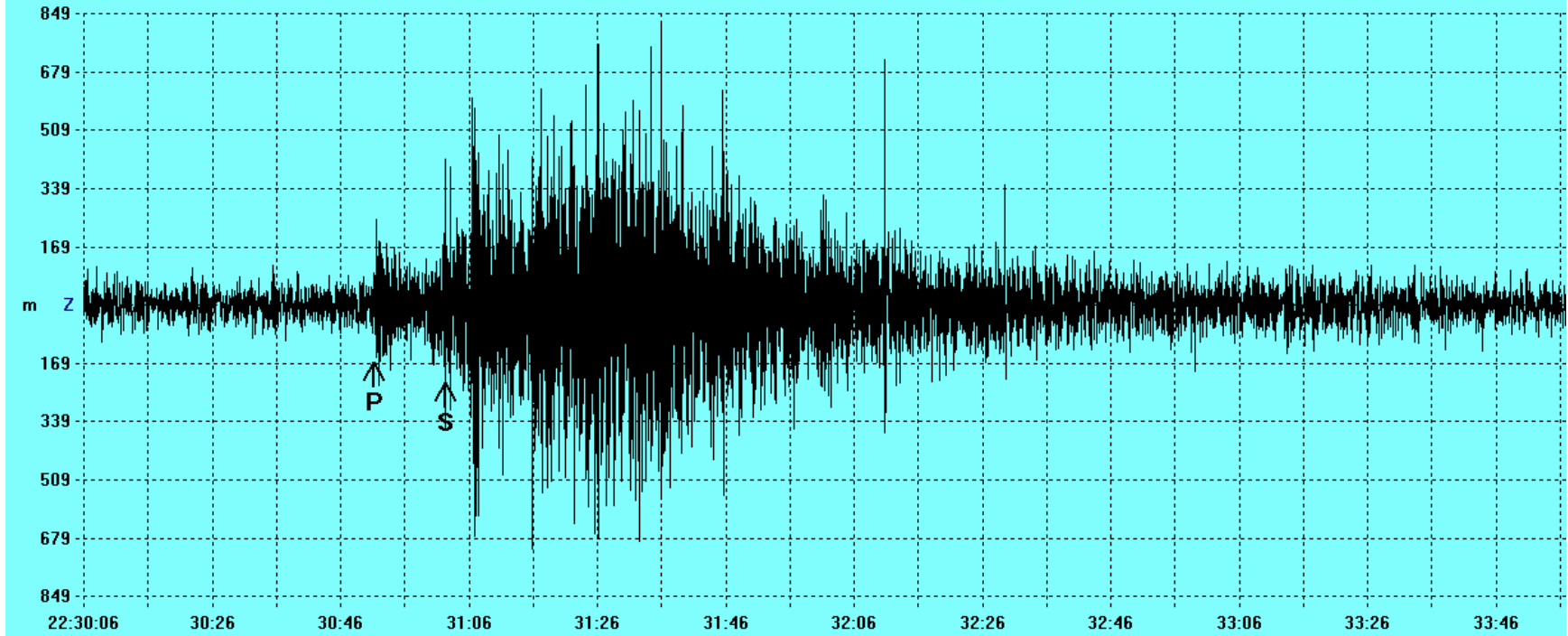
# **Apêndice**

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

**Setembro  
2011**

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

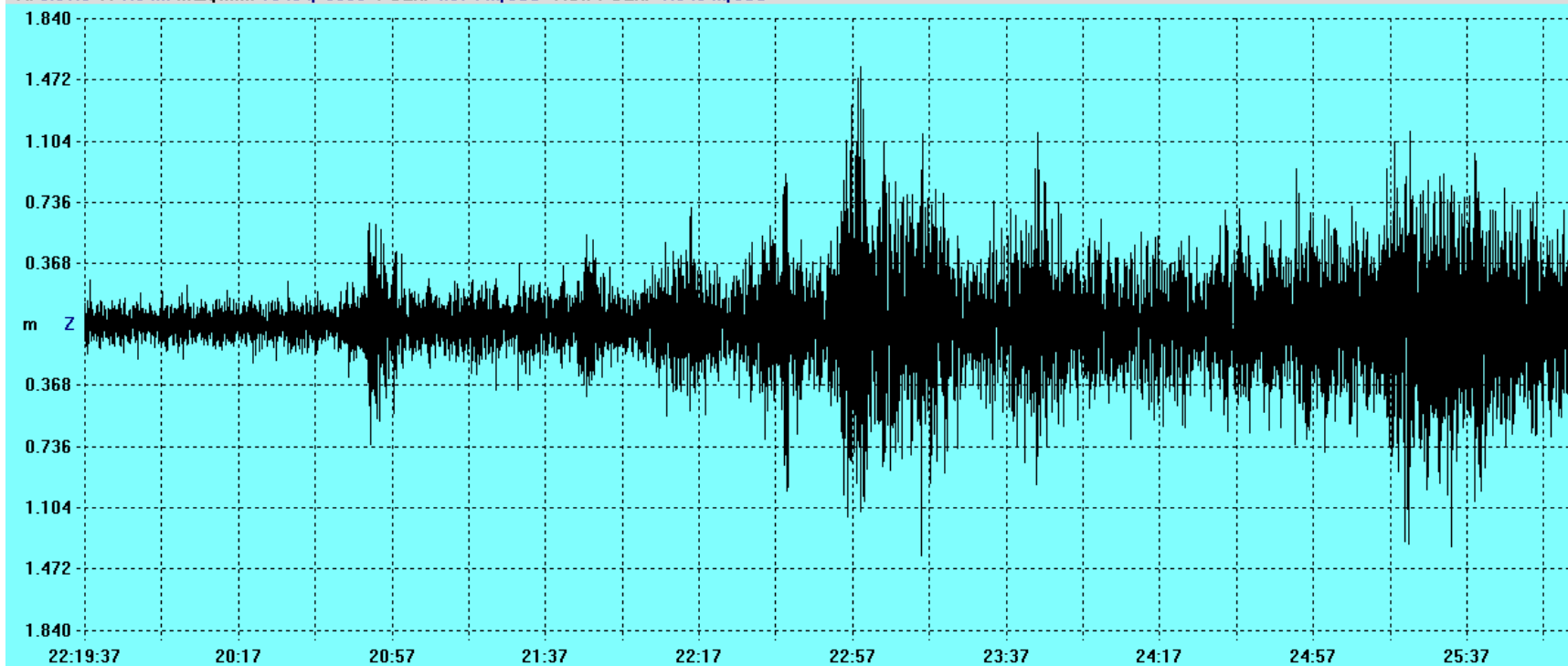
Start: 9/01/11 21:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 144001 SPS: 40  
X: 3:51.0 Y: 850m Max/Min: 2429/-2090 Peak: 827.1 m/sec View Peak: 827.1 m/sec  
Org: 22:30:36.2 P: 22:30:51.2 S: 22:31:02.3 Diff: 11.1sec Dist: 0.783deg 87.0km 54.1mi Mag: MI?? JB: 33



Evento 1

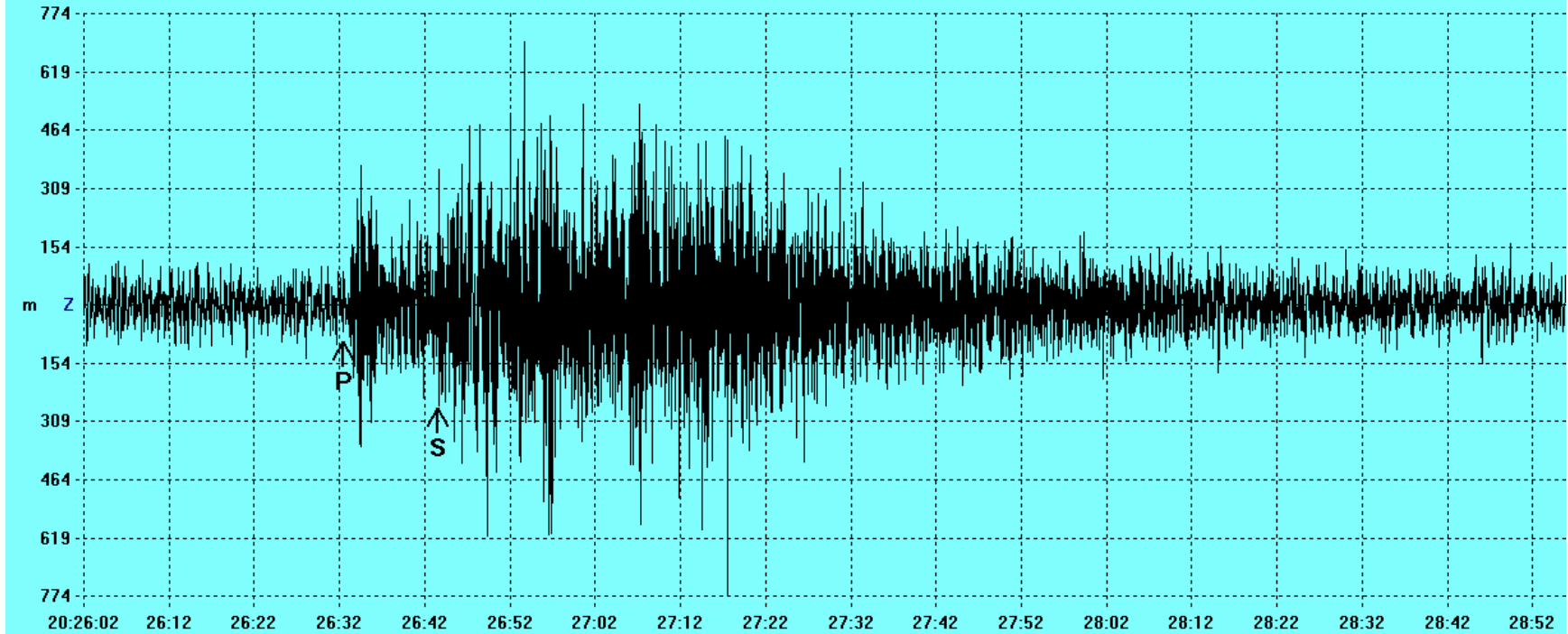
Eventos sobrepostos:

Start: 9/02/11 21:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 144001 SPS: 40  
X: 6.31.0 Y: 1.84m Max/Min: 13434/-9805 Peak: 4.574 m/sec View Peak: 1.549 m/sec



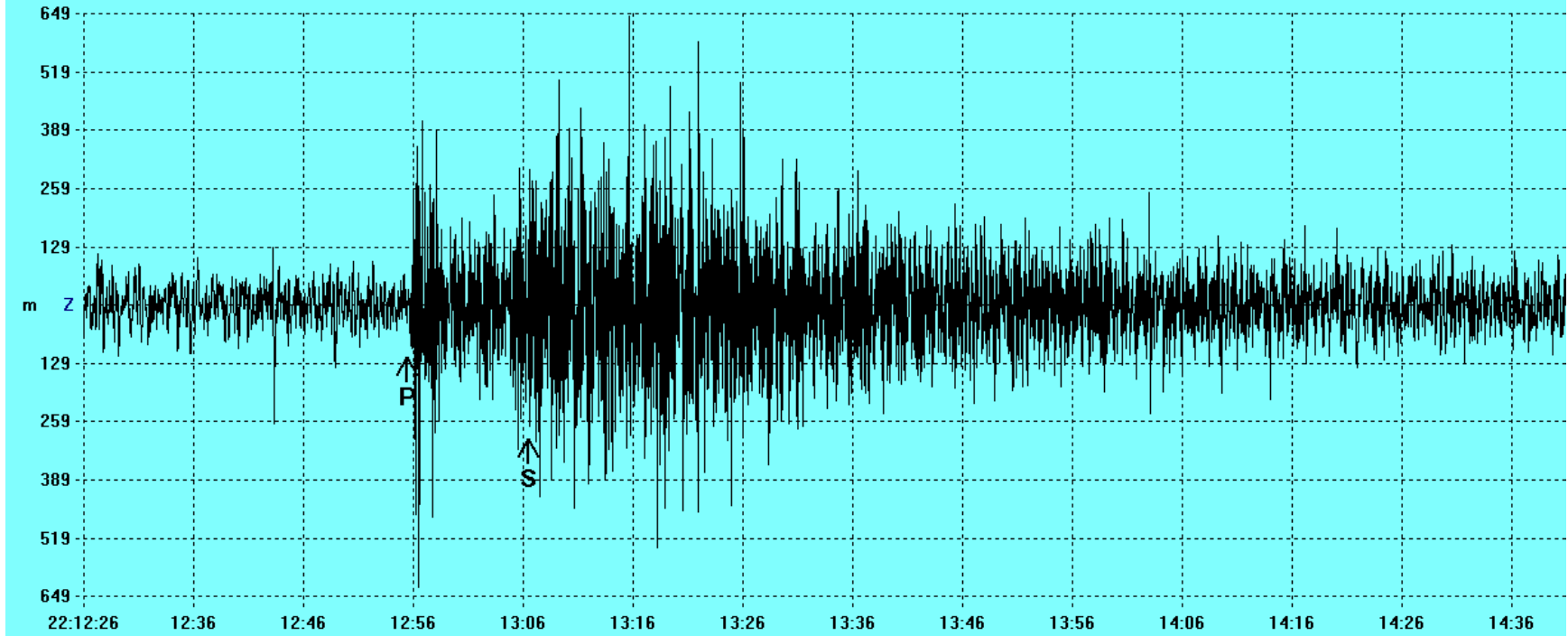
Evento 2

Start: 9/03/11 19:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 144001 SPS: 40  
X: 2:54.0 Y: 775m Max/Min: 2052/-2264 Peak: 771.2 m/sec View Peak: 771.2 m/sec  
Org: 20:26:17.4 P: 20:26:32.4 S: 20:26:43.5 Diff: 11.1sec Dist: 0.783deg 87.0km 54.1mi Mag: MI?? JB: 33



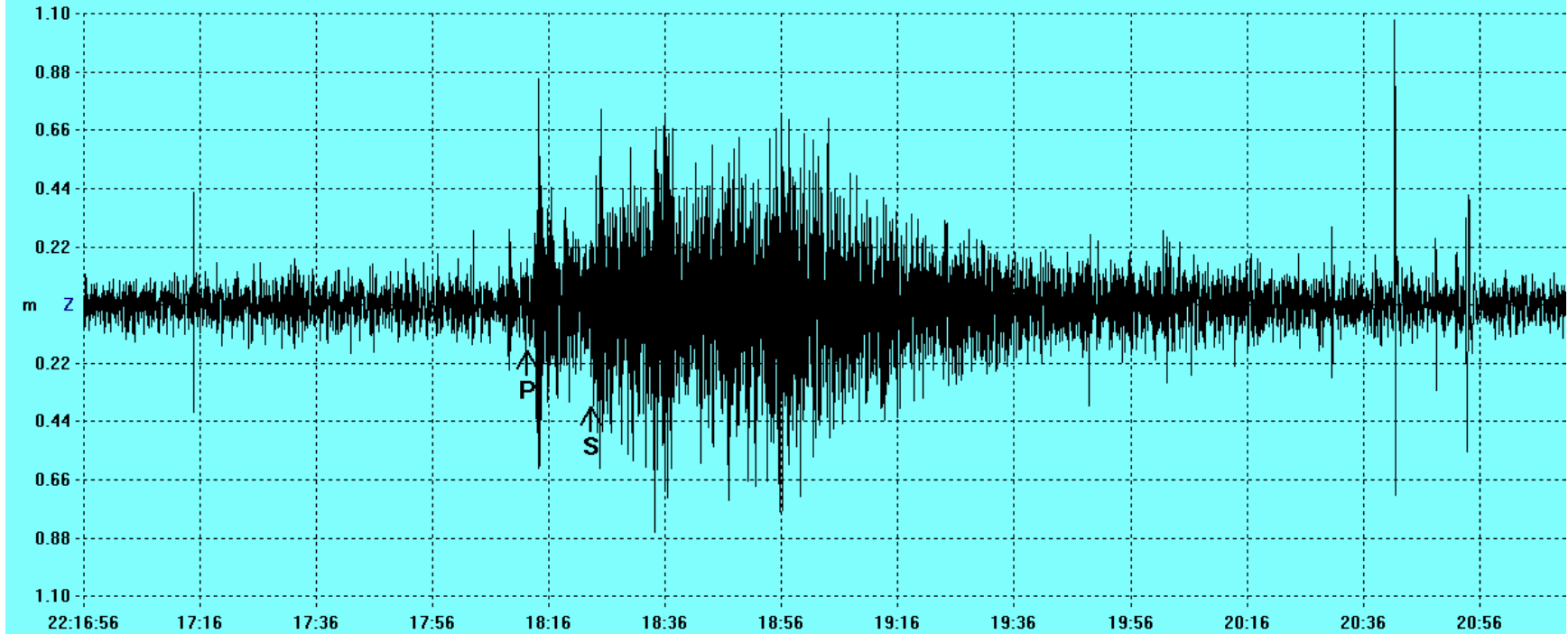
Evento 3

Start: 9/05/11 21:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 144001 SPS: 40  
X: 2:15.0 Y: 650m Max/Min: 1889/-1847 Peak: 643.5 m/sec View Peak: 643.5 m/sec  
Org: 22:12:40.4 P: 22:12:55.4 S: 22:13:06.5 Diff: 11.1sec Dist: 0.783deg 87.0km 54.1mi Mag: MI?? JB: 33



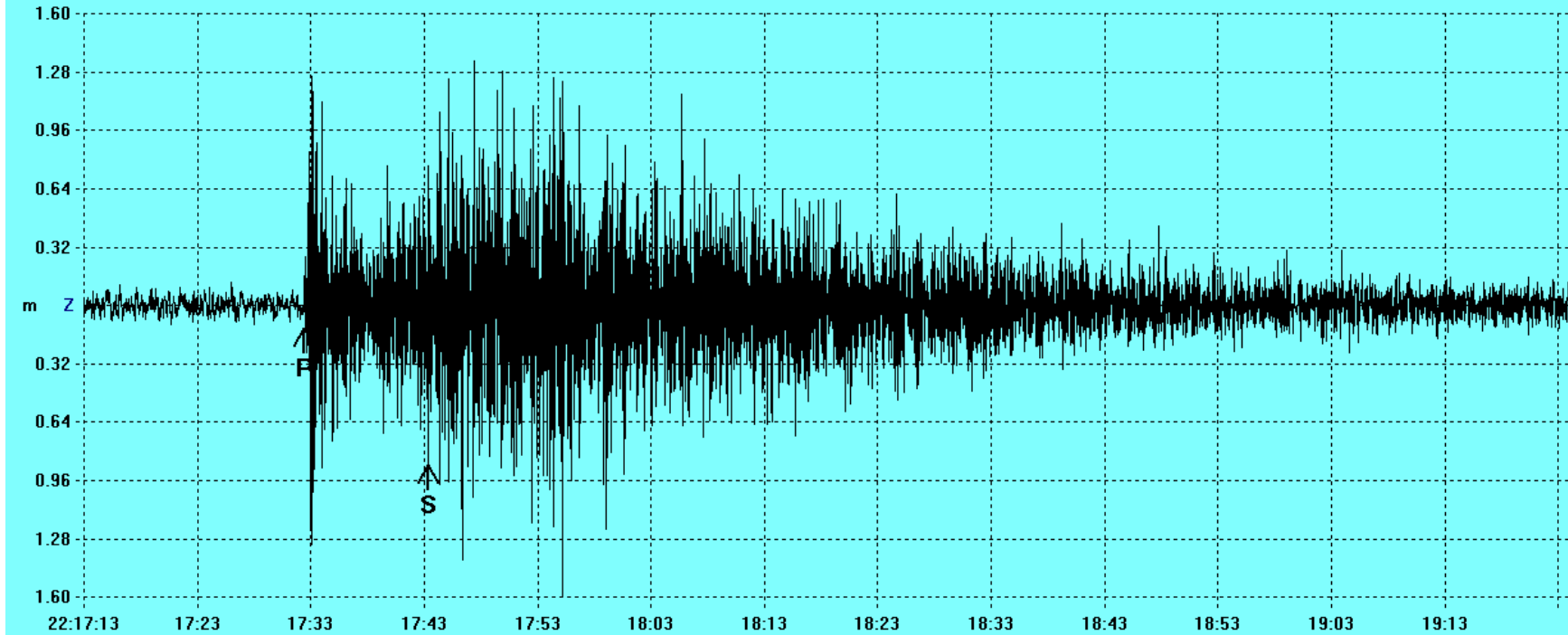
Evento 4

Start: 9/08/11 21:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 144001 SPS: 40  
X: 4.15.0 Y: 1.1m Max/Min: 3155/-2512 Peak: 1.074 m/sec View Peak: 1.074 m/sec  
Org: 22:17:57.3 P: 22:18:12.2 S: 22:18:23.2 Diff: 11.0sec Dist: 0.772deg 85.8km 53.3mi Mag: MI?? JB: 33



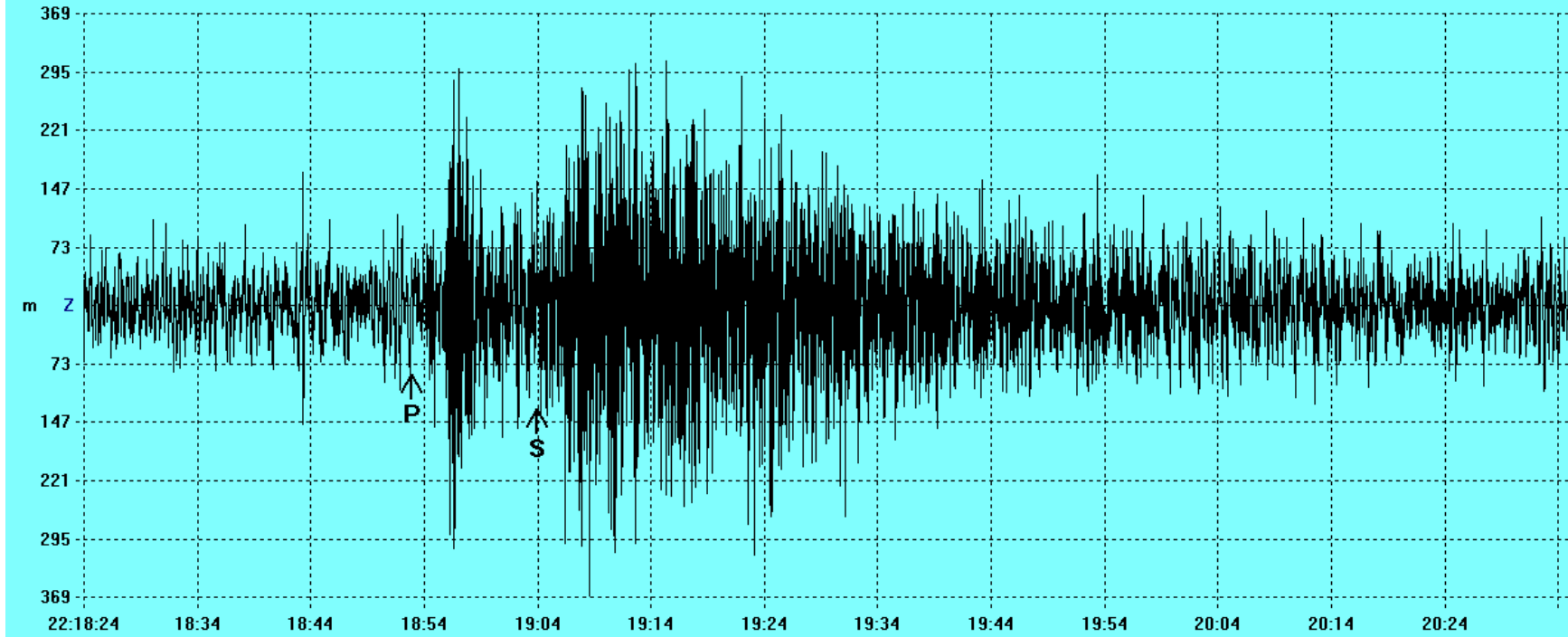
Evento 5 ( eventos sobrepostos).

Start: 9/09/11 21:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 144001 SPS: 40  
X: 2:11.0 Y: 1.6m Max/Min: 3923/-4664 Peak: 1.588 m/sec View Peak: 1.588 m/sec  
Org: 22:17:17.5 P: 22:17:32.4 S: 22:17:43.4 Diff: 11.0sec Dist: 0.772deg 85.8km 53.3mi Mag: MI?? JB: 33



Evento 6

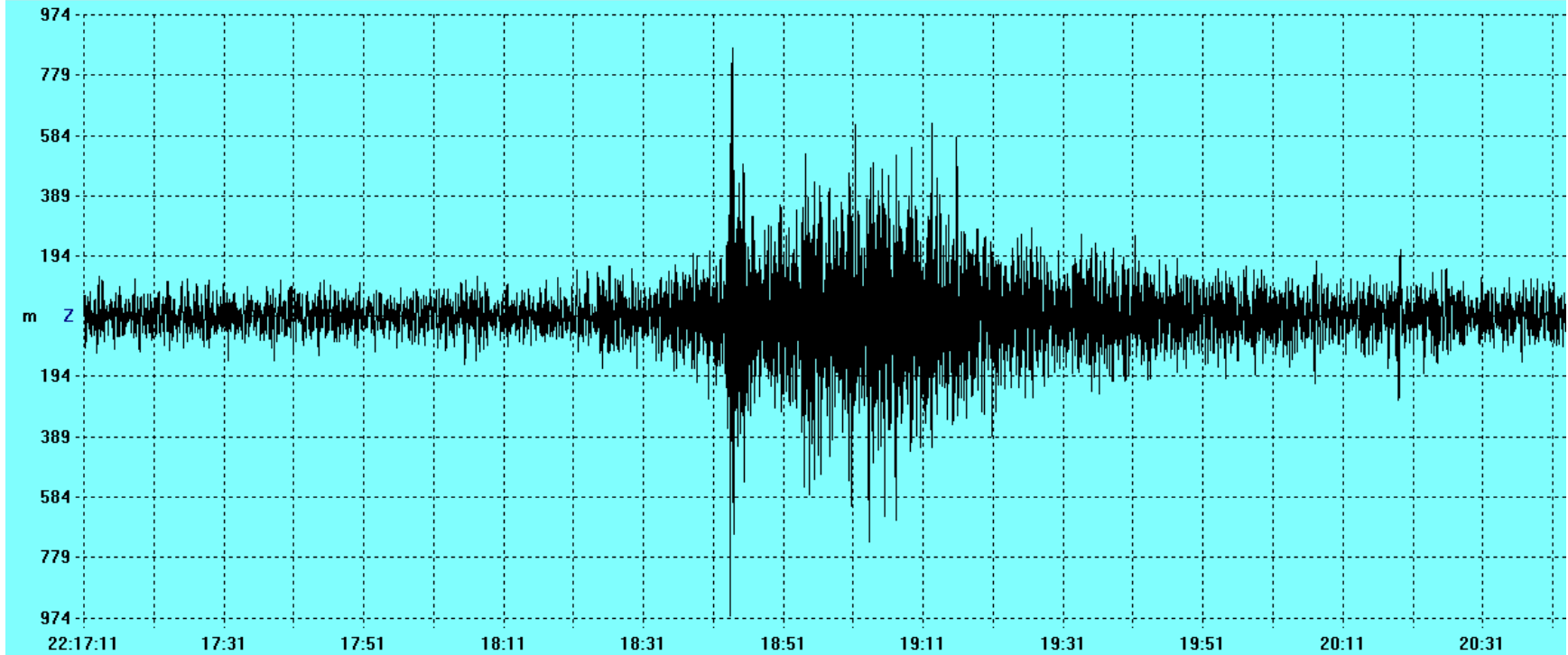
Start: 9/12/11 21:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 144001 SPS: 40  
X: 2:11.0 Y: 370m Max/Min: 946/-1079 Peak: 367.7 m/sec View Peak: 367.7 m/sec  
Org: 22:18:38.0 P: 22:18:52.9 S: 22:19:03.9 Diff: 11.0sec Dist: 0.772deg 85.8km 53.3mi Mag: MI?? JB: 33



Evento 7

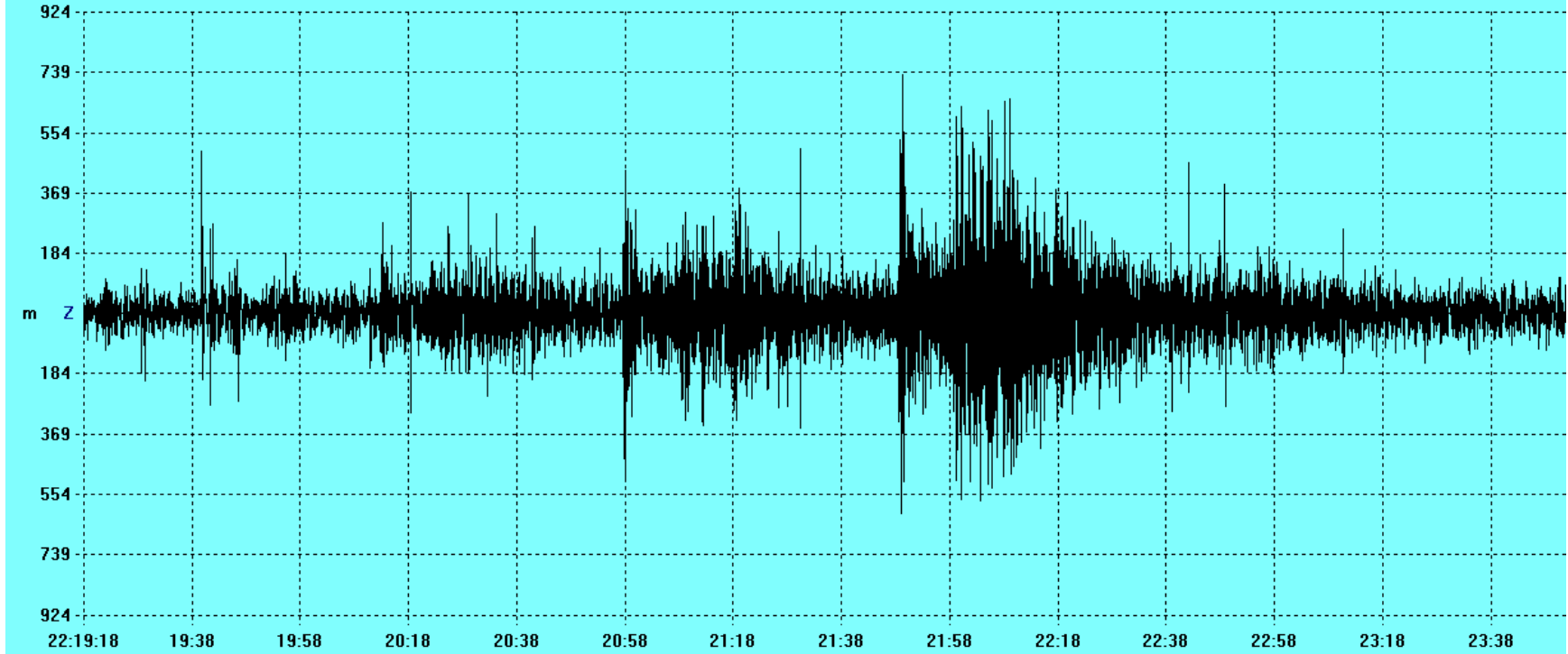


Start: 9/14/11 21:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 144001 SPS: 40  
X: 3:32.0 Y: 975m Max/Min: 2537/-2843 Peak: 968.3 m/sec View Peak: 968.3 m/sec



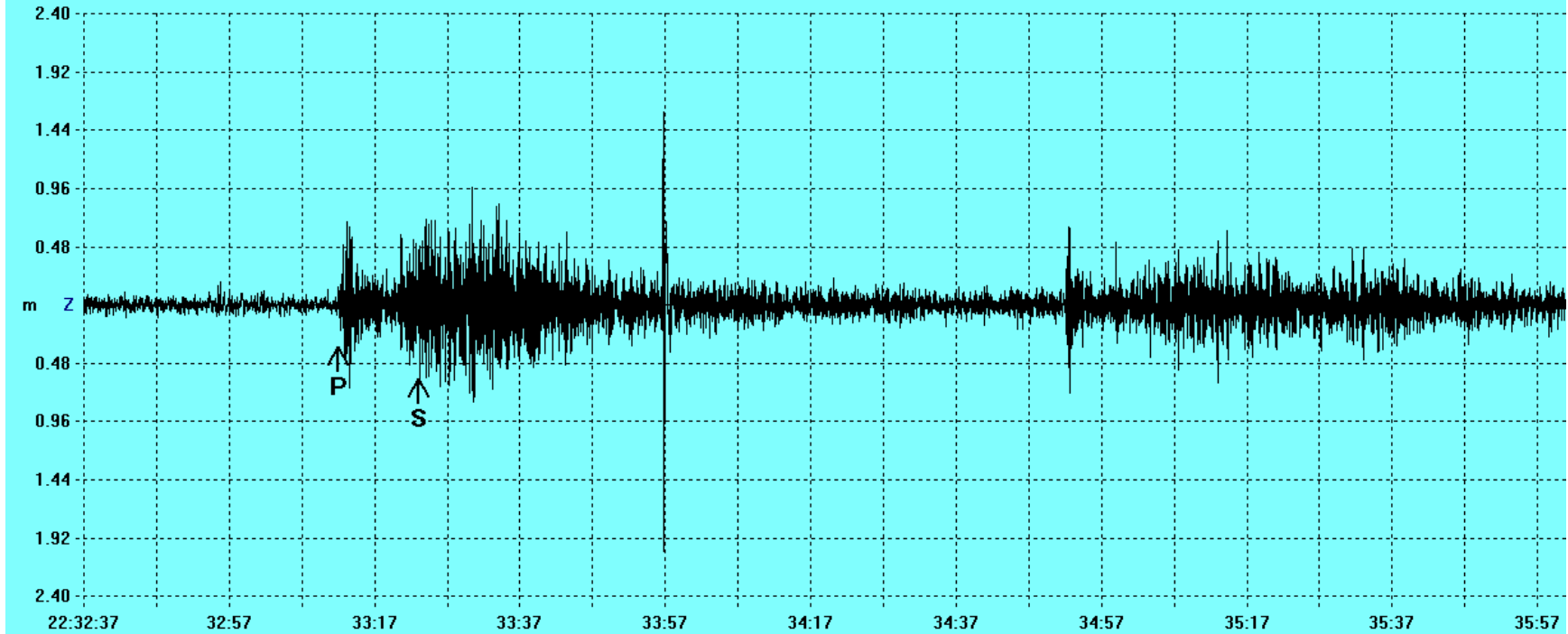
Eventos 8 e 9 (eventos sobrepostos)

Start: 9/19/11 21:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 144001 SPS: 40  
X: 4:34.0 Y: 925m Max/Min: 2684/-2582 Peak: 914 m/sec View Peak: 730.8 m/sec



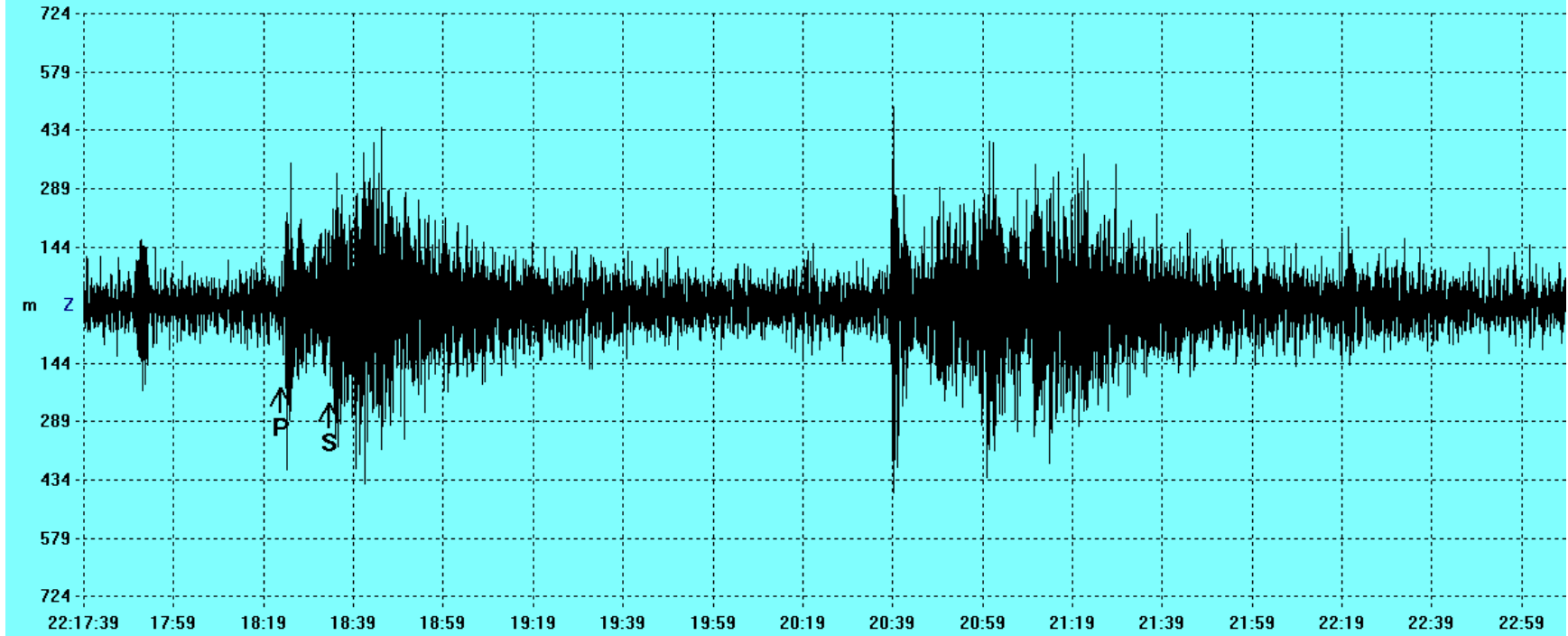
Eventos 11, 12 e 13

Start: 9/21/11 21:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 144001 SPS: 40  
X: 3.24.0 Y: 2.4m Max/Min: 5115/-6888 Peak: 2.346 m/sec View Peak: 2.032 m/sec  
Org: 22:32:57.1 P: 22:33:12.0 S: 22:33:23.0 Diff: 11.0sec Dist: 0.772deg 85.8km 53.3mi Mag: MI?? JB: 33



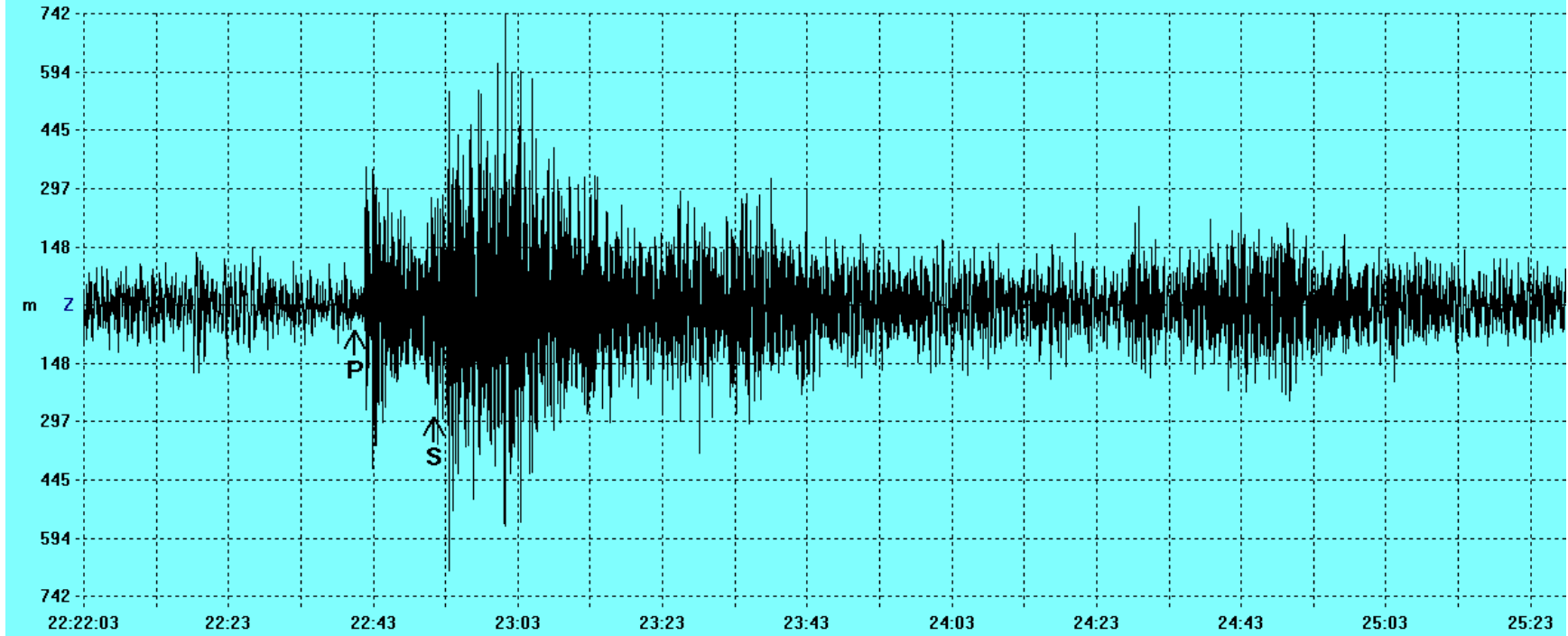
Evento 14

Start: 9/22/11 21:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 144001 SPS: 40  
X: 5:30.0 Y: 725m Max/Min: 2071/-1692 Peak: 705.5 m/sec View Peak: 491.3 m/sec  
Org: 22:18:08.2 P: 22:18:22.8 S: 22:18:33.6 Diff: 10.8sec Dist: 0.750deg 83.4km 51.8mi Mag: MI?? JB: 33



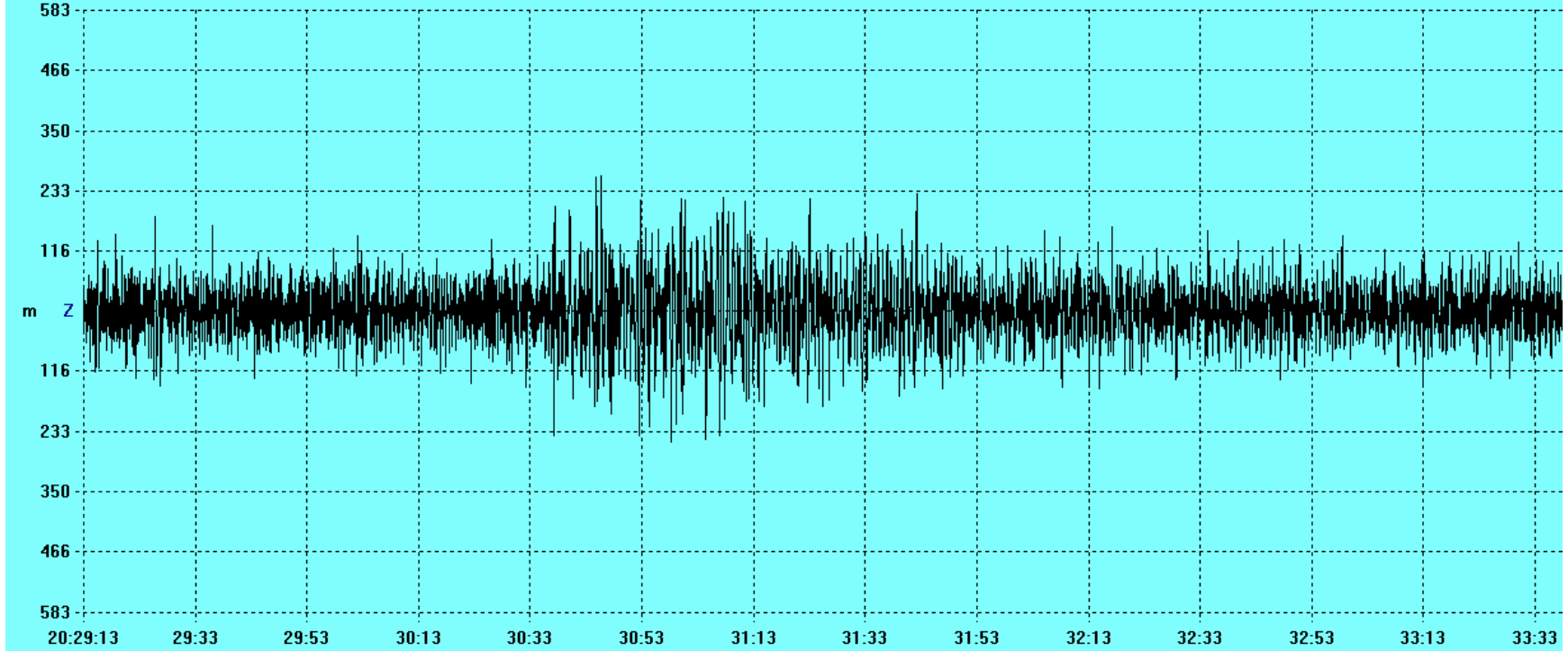
Evento 15

Start: 9/23/11 21:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 144001 SPS: 40  
X: 3:25.0 Y: 742.857m Max/Min: 73450/-35837 Peak: 25.01 m/sec View Peak: 760.6 m/sec  
Org: 22:22:25.5 P: 22:22:40.4 S: 22:22:51.4 Diff: 11.0sec Dist: 0.772deg 85.8km 53.3mi Mag: MI?? JB: 33



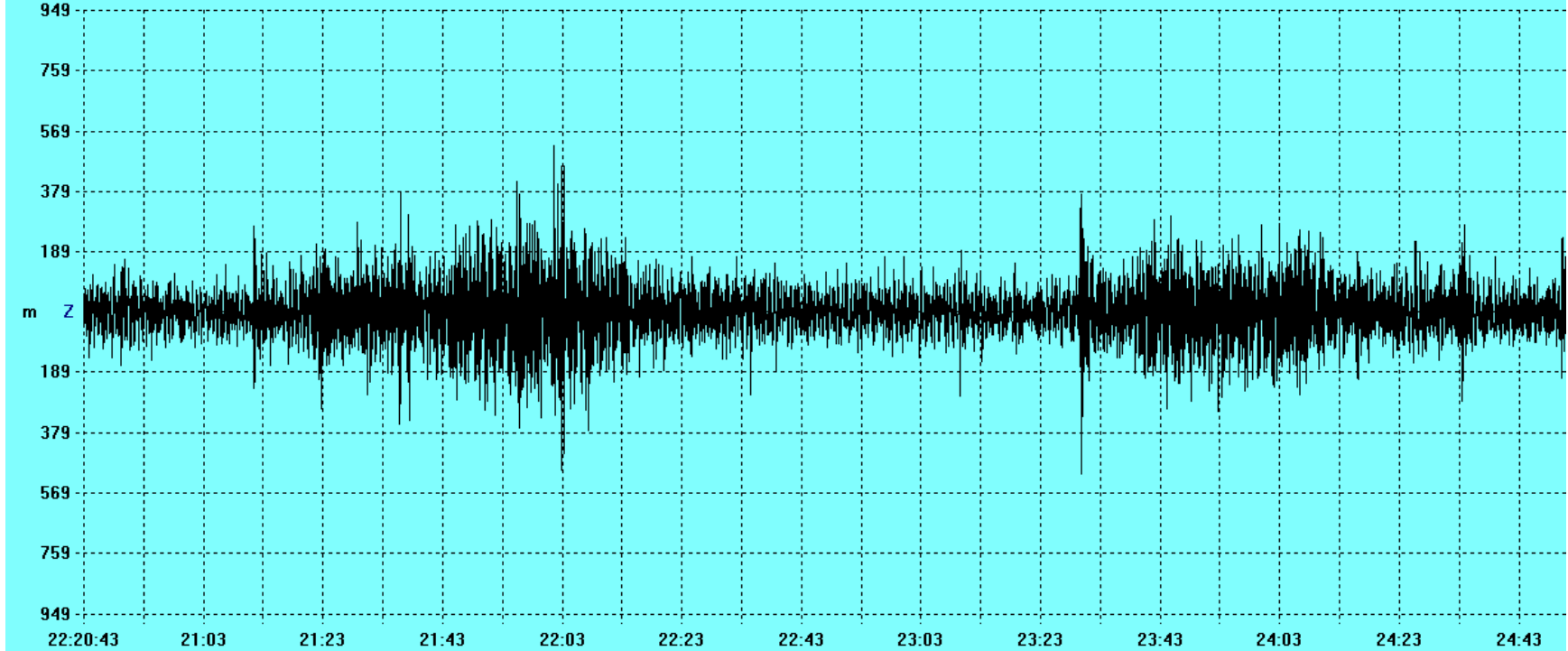
Evento 16

Start: 9/24/11 19:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 144001 SPS: 40  
X: 4.25.0 Y: 583.333m Max/Min: 2519/-2549 Peak: 868.2 m/sec View Peak: 260.4 m/sec



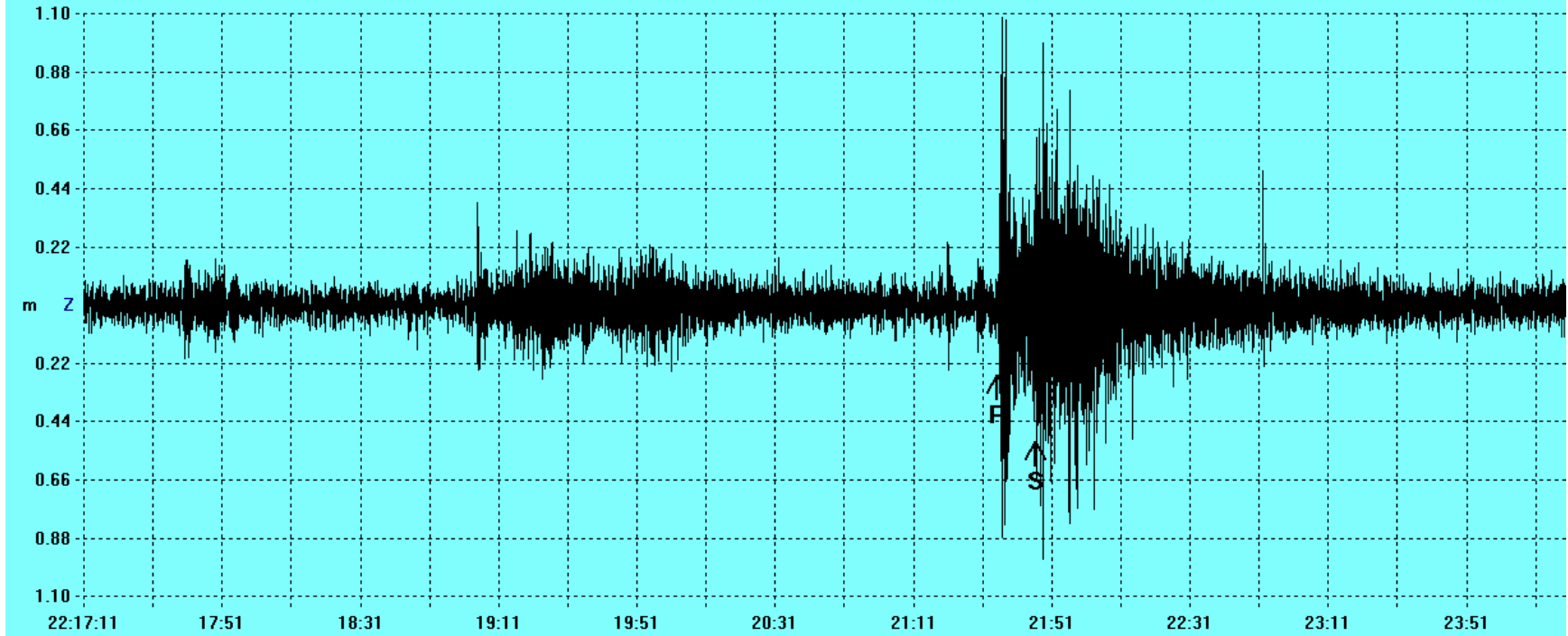
Evento 17

Start: 9/26/11 21:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 144001 SPS: 40  
X: 4.08.0 Y: 950m Max/Min: 5183/-5343 Peak: 1.819 m/sec View Peak: 522.6 m/sec



Evento 18

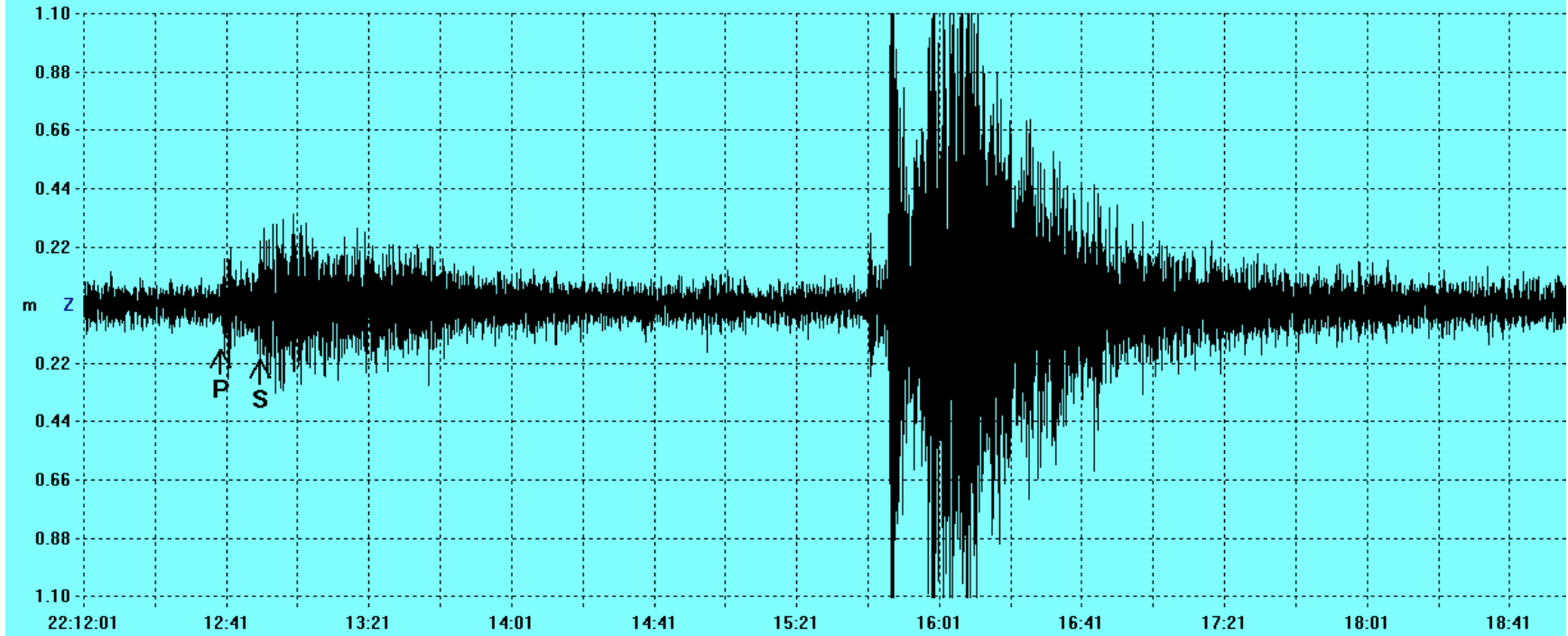
Start: 9/27/11 21:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 144001 SPS: 40  
X: 7:09.0 Y: 1.1m Max/Min: 3178/-2807 Peak: 1.082 m/sec View Peak: 1.082 m/sec  
Org: 22:21:20.2 P: 22:21:35.2 S: 22:21:46.3 Diff: 11.1sec Dist: 0.783deg 87.0km 54.1mi Mag: MI?? JB: 33



Evento 19

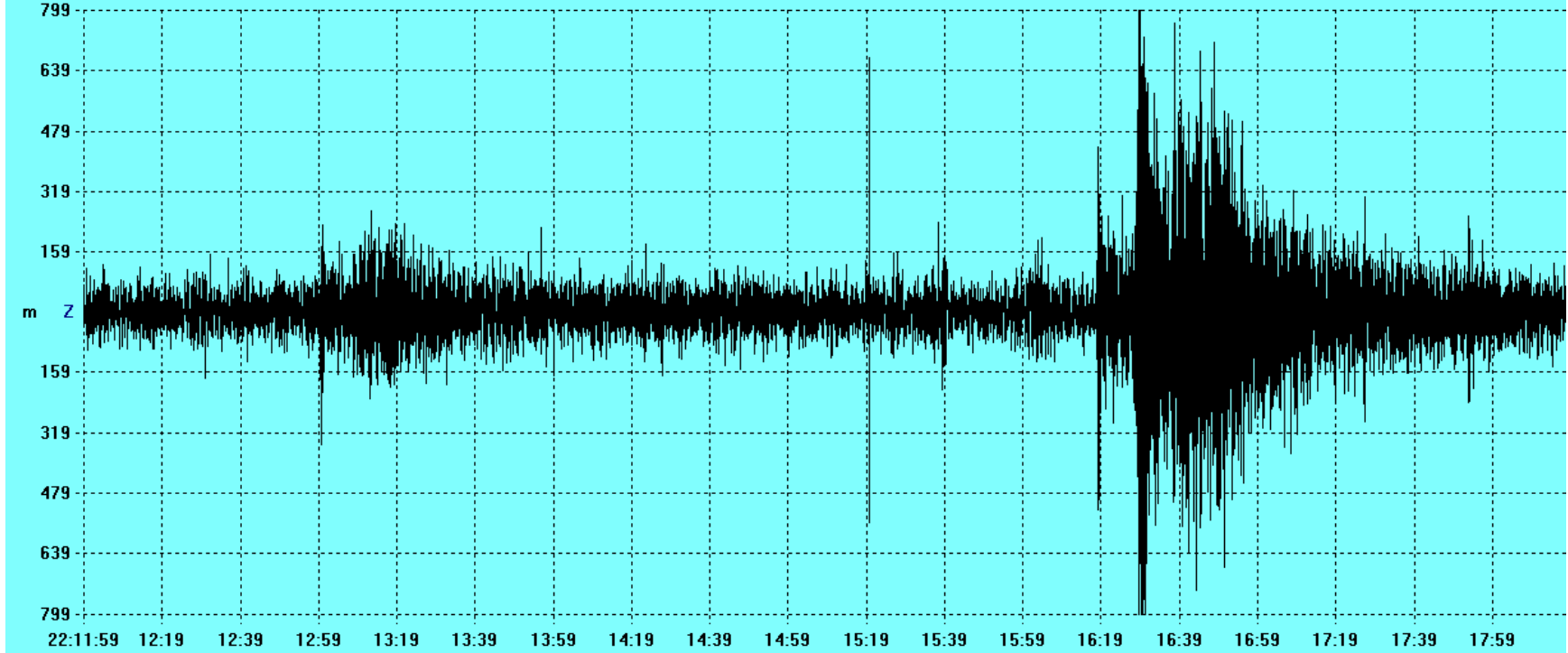


Start: 9/29/11 21:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 144001 SPS: 40  
X: 6:56.0 Y: 1.1m Max/Min: 6214/-6257 Peak: 2.131 m/sec View Peak: 2.131 m/sec  
Org: 22:12:24.3 P: 22:12:39.3 S: 22:12:50.4 Diff: 11.1sec Dist: 0.783deg 87.0km 54.1mi Mag: MI?? JB: 33



Evento 20

Start: 9/30/11 21:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 144001 SPS: 40  
X: 6:19.0 Y: 800m Max/Min: 2840/-3498 Peak: 1.191 m/sec View Peak: 1.029 m/sec



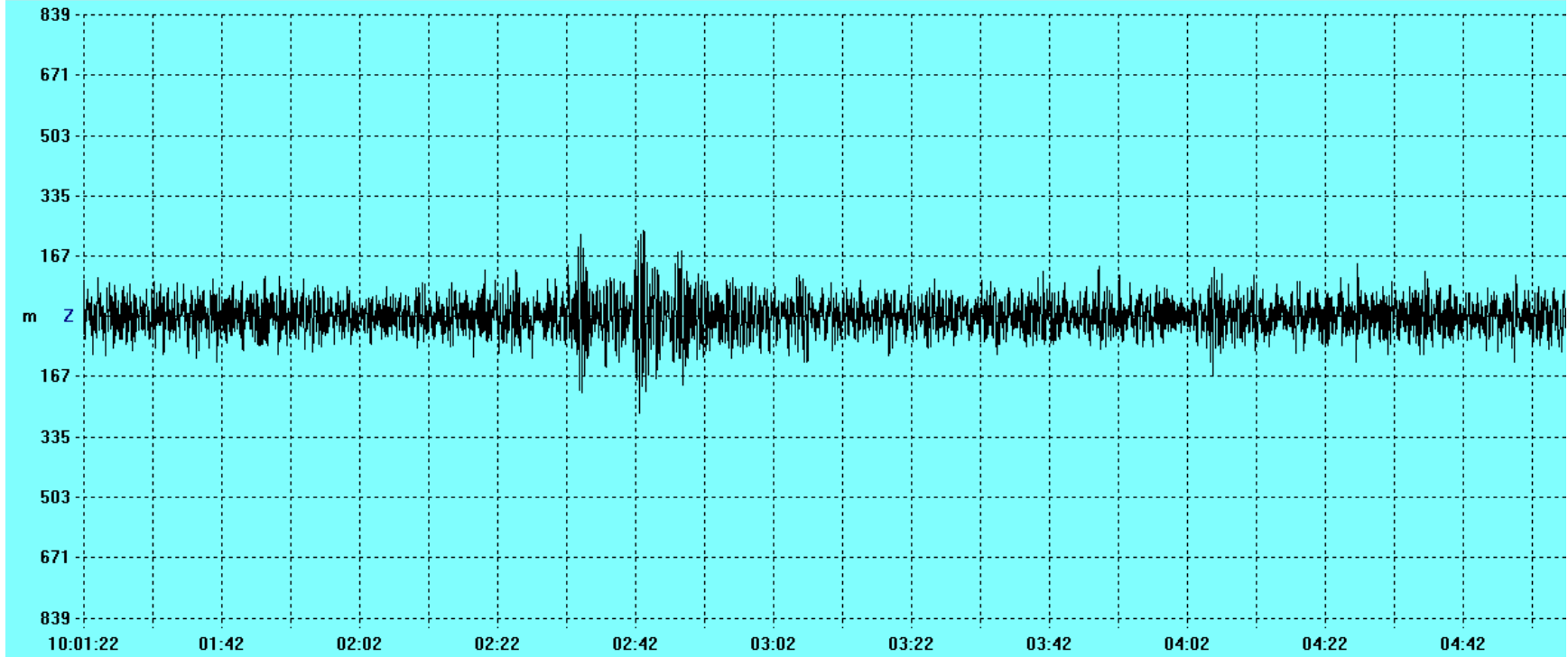
Evento 21

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

**Setembro  
2011**

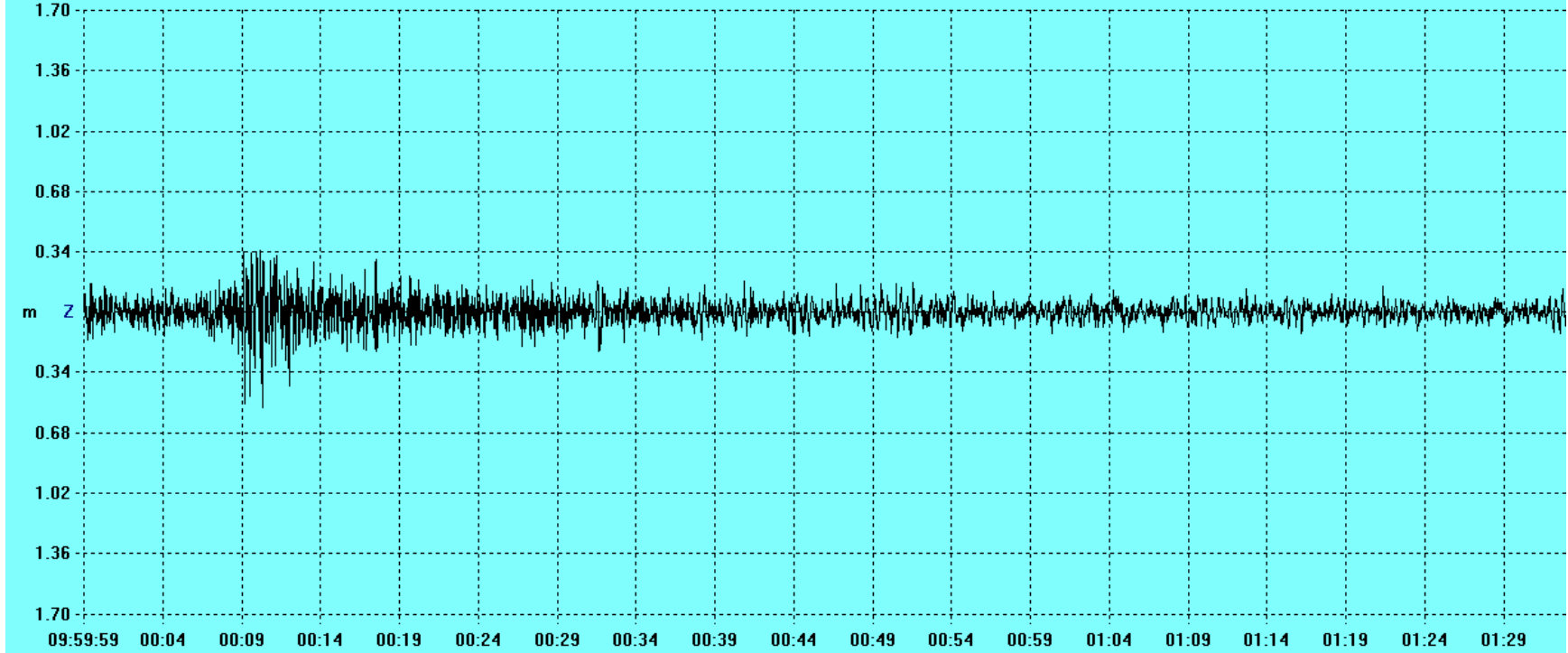
**Registros da Estação Sismológica de  
Samuel (SAML)**

Start: 9/01/11 9:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 144001 SPS: 40  
X: 3:35.0 Y: 840m Max/Min: 4615/-6108 Peak: 2.08 m/sec View Peak: 268.4 m/sec



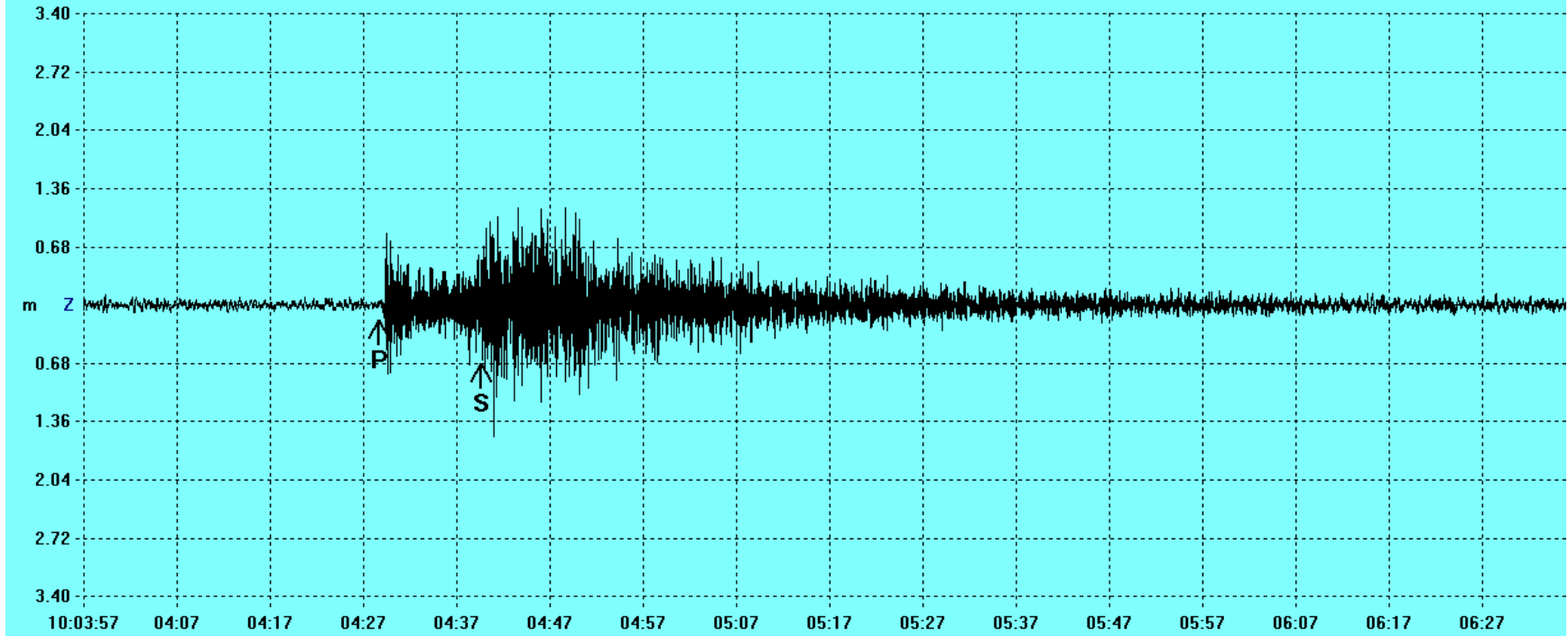
Evento 22

Start: 9/02/11 9:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 144001 SPS: 40  
X: 1.34.0 Y: 1.7m Max/Min: 4776/-4513 Peak: 1.626 m/sec View Peak: 539.2 m/sec



Evento 23

Start: 9/25/11 9:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 144001 SPS: 40  
X: 2:39.0 Y: 3.4m Max/Min: 9743/-9917 Peak: 3.377 m/sec View Peak: 1.539 m/sec  
Org: 10:04:13.7 P: 10:04:28.6 S: 10:04:39.6 Diff: 11.0sec Dist: 0.772deg 85.8km 53.3mi Mag: MI?? JB: 33



Evento 27