

Apêndice

Detonações Realizadas no Canteiro de Obras da UHE Santo Antônio

**Fevereiro
2012**

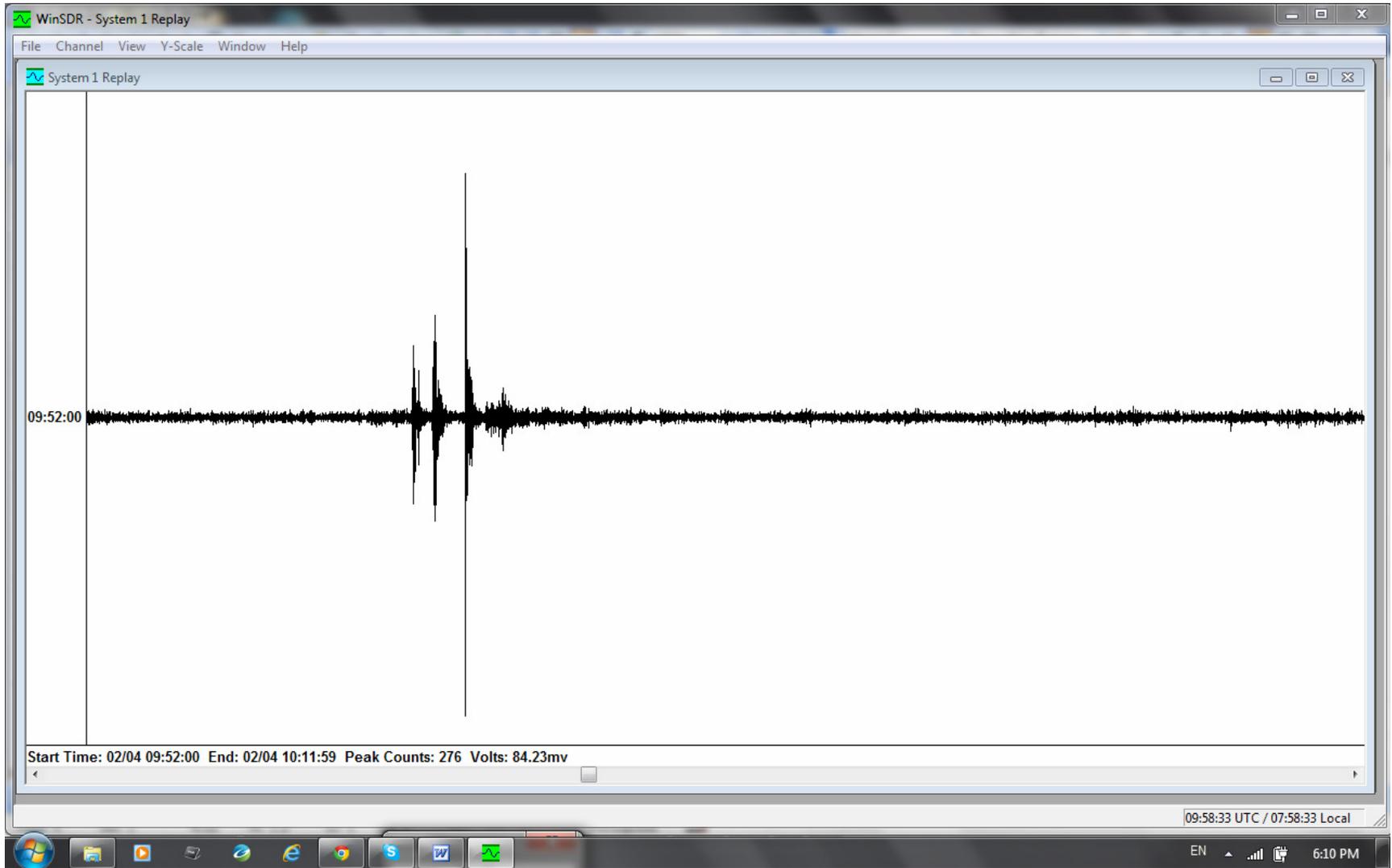
Registros da Estação SANT1



Evento 1



Evento 2



Evento 3



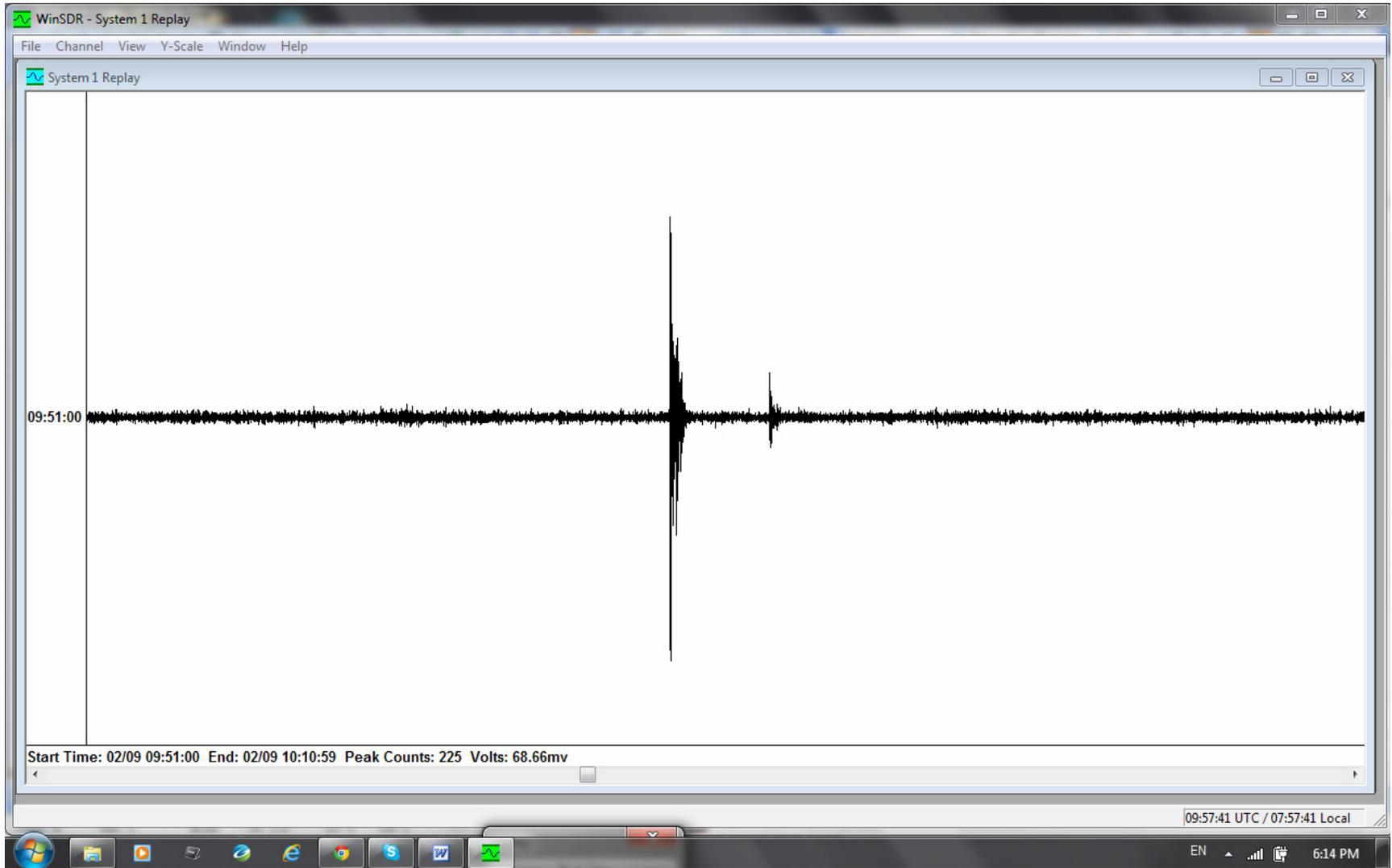
Evento 4



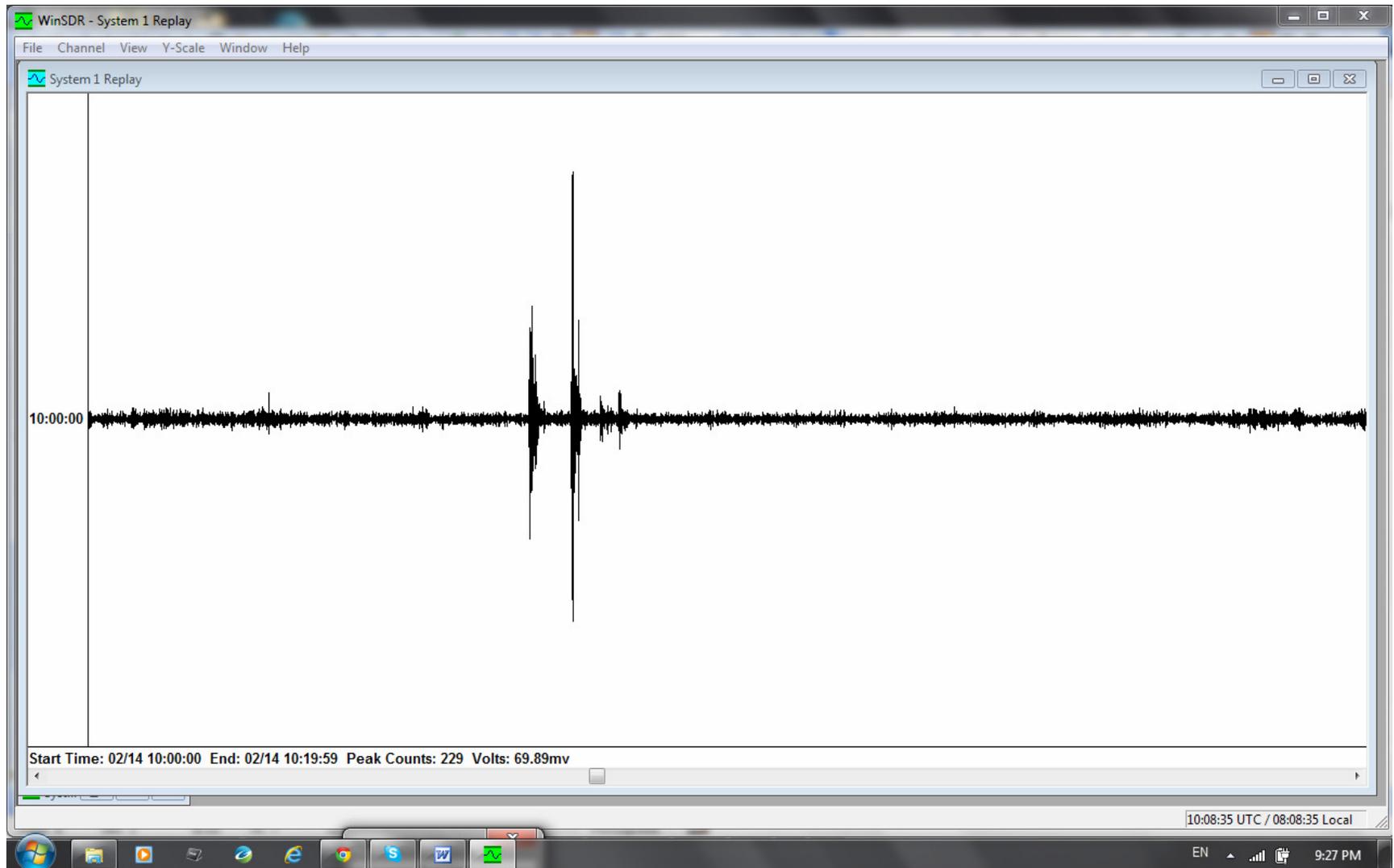
Evento 5



Evento 6



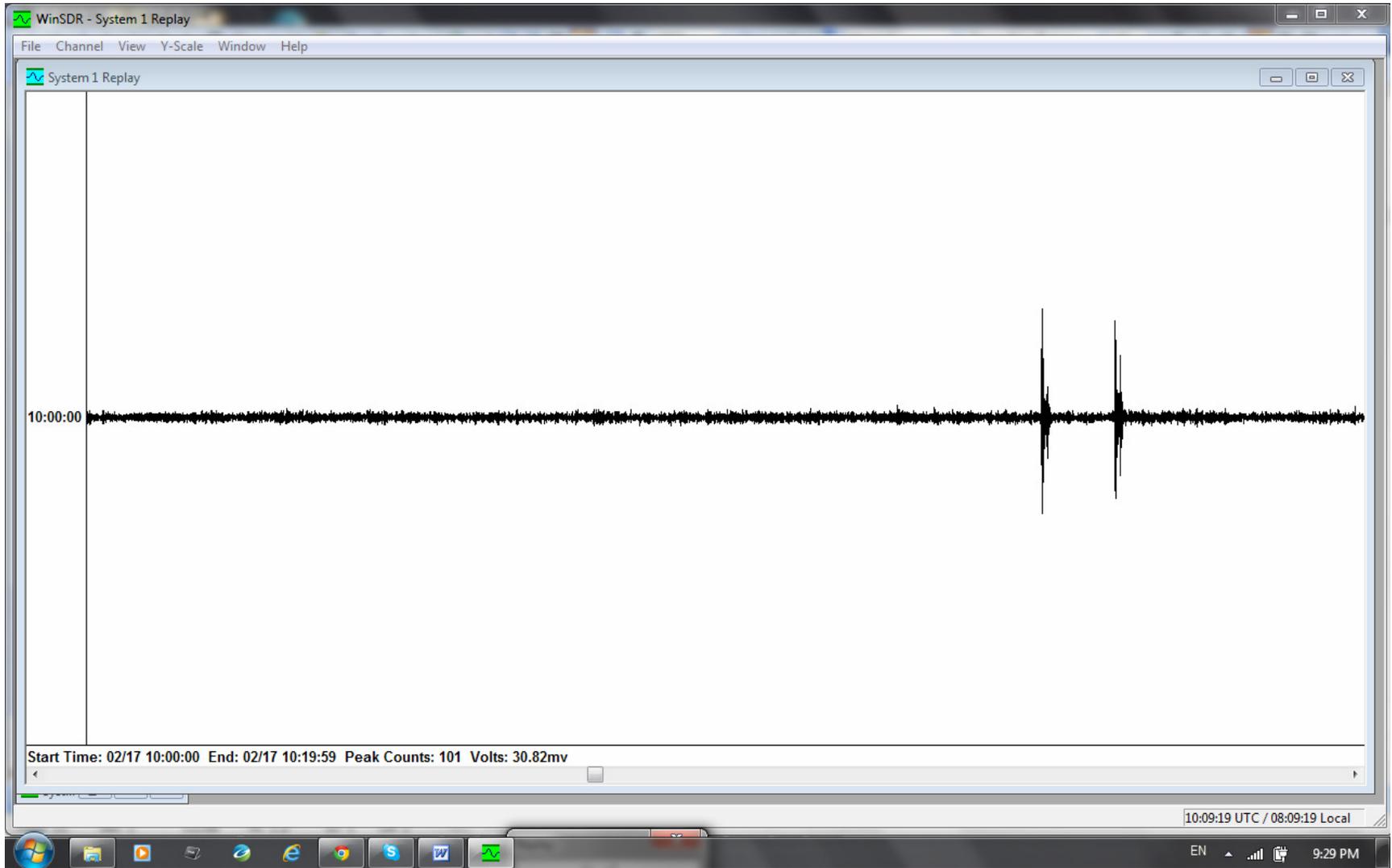
Evento 7



Evento 8



Evento 9



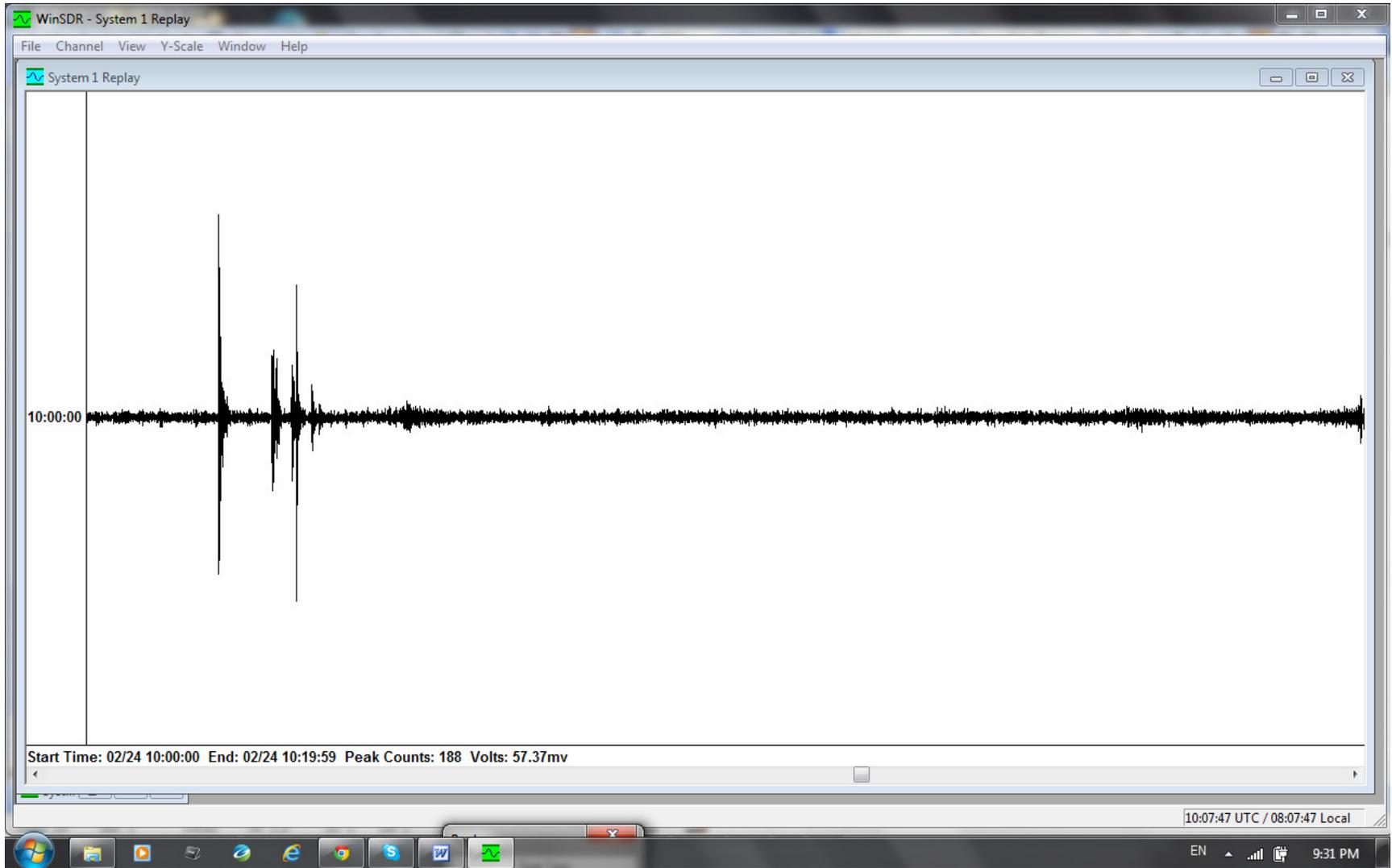
Evento 10



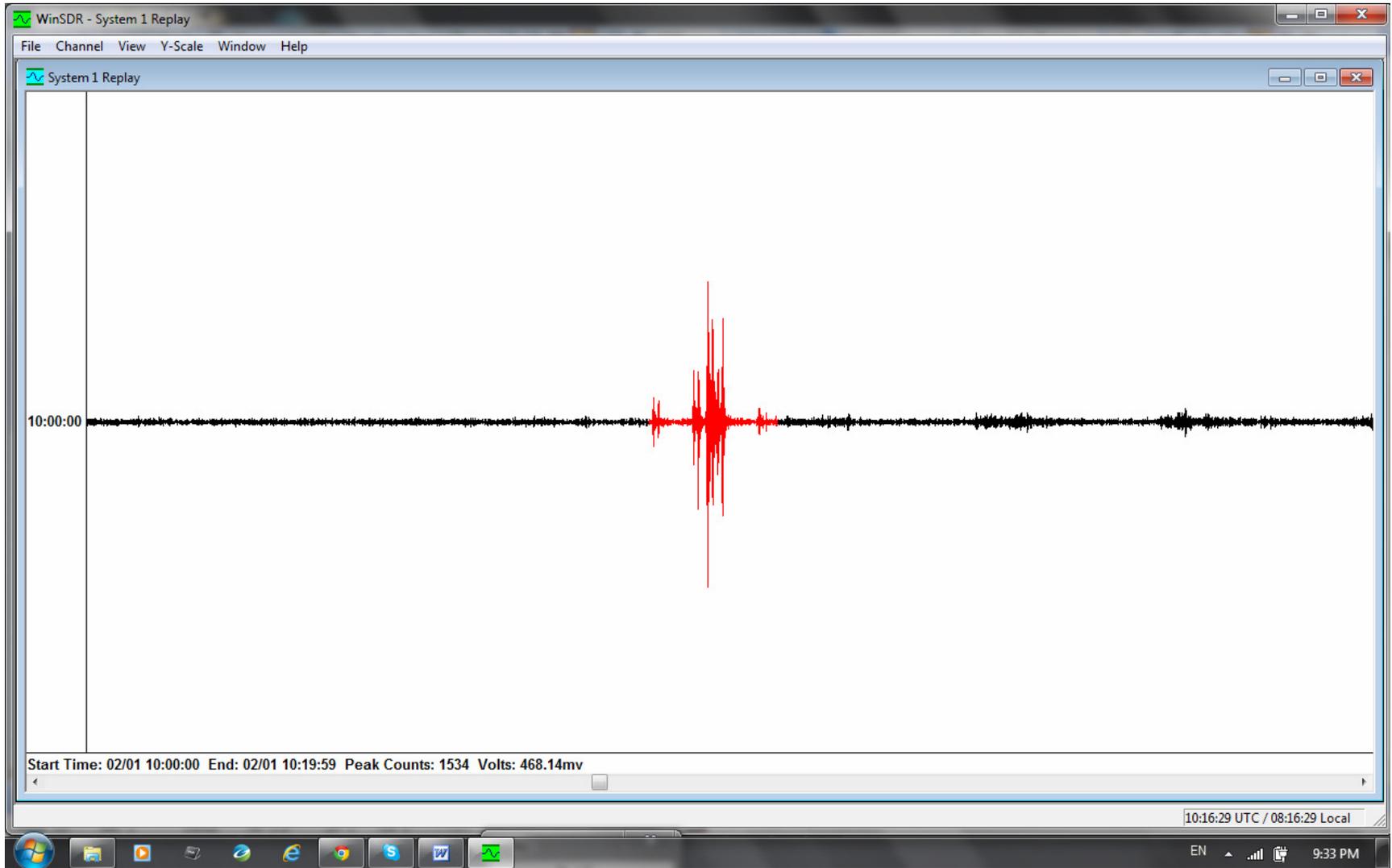
Evento 11



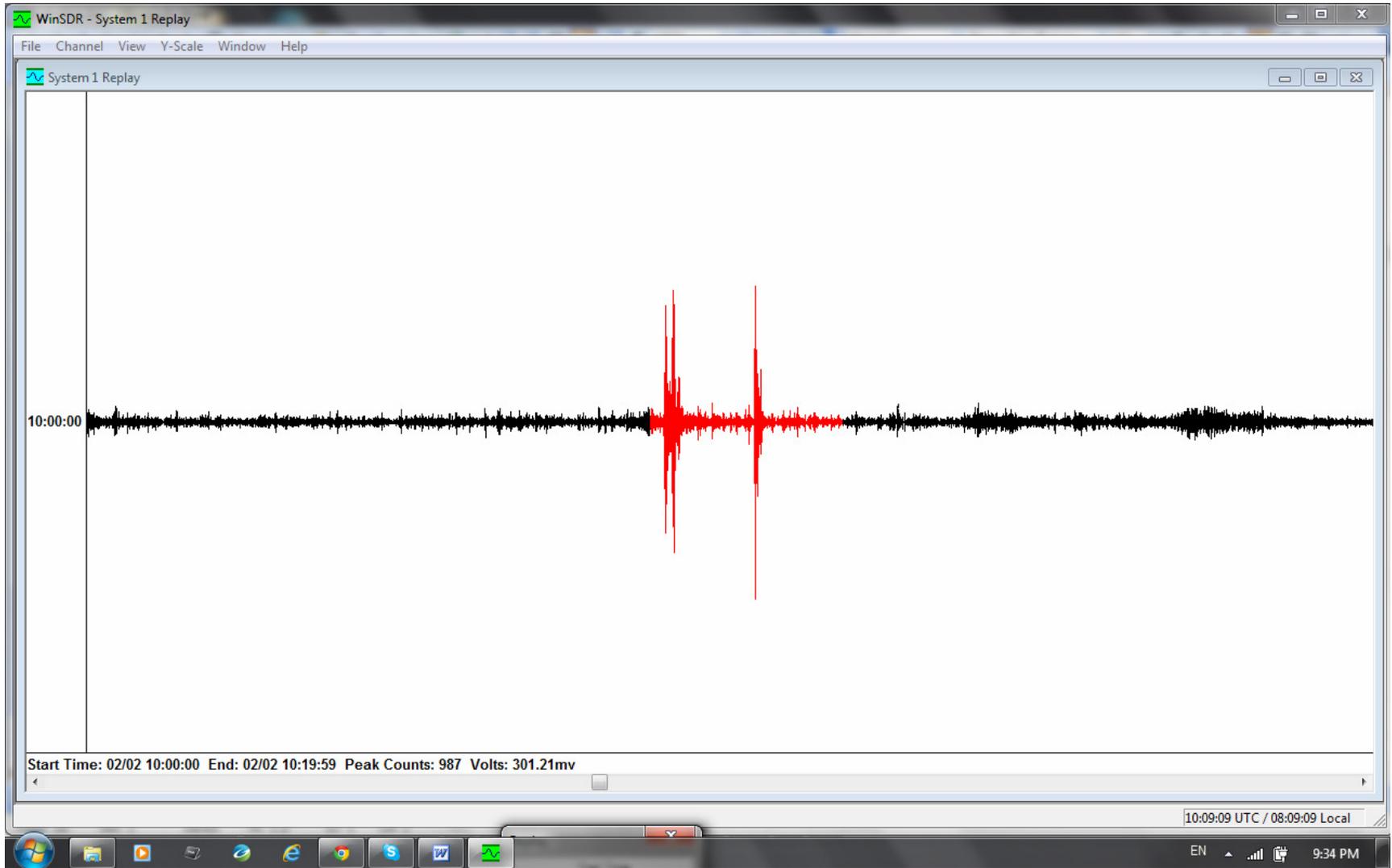
Evento 12



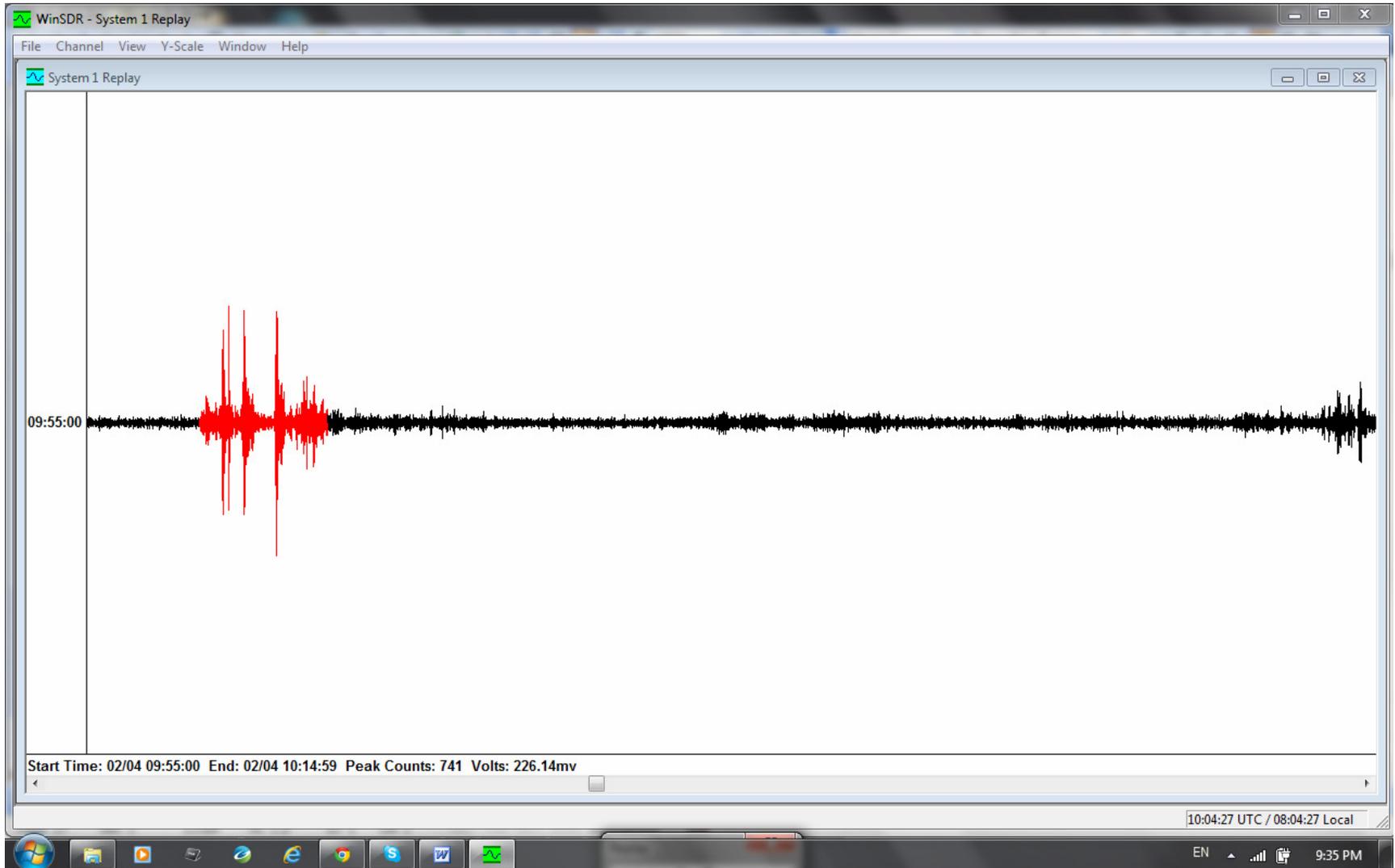
Evento 13



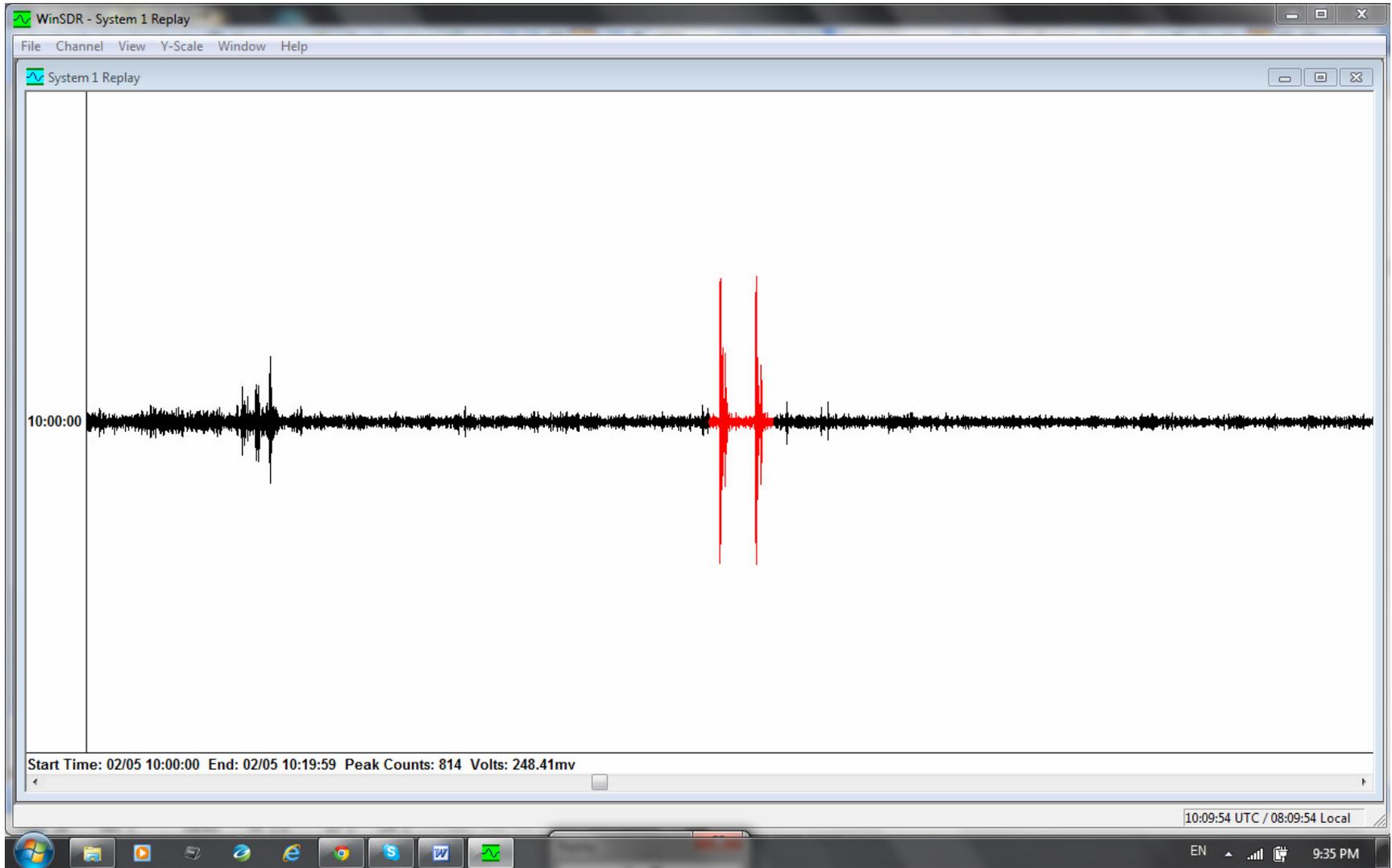
Evento 1



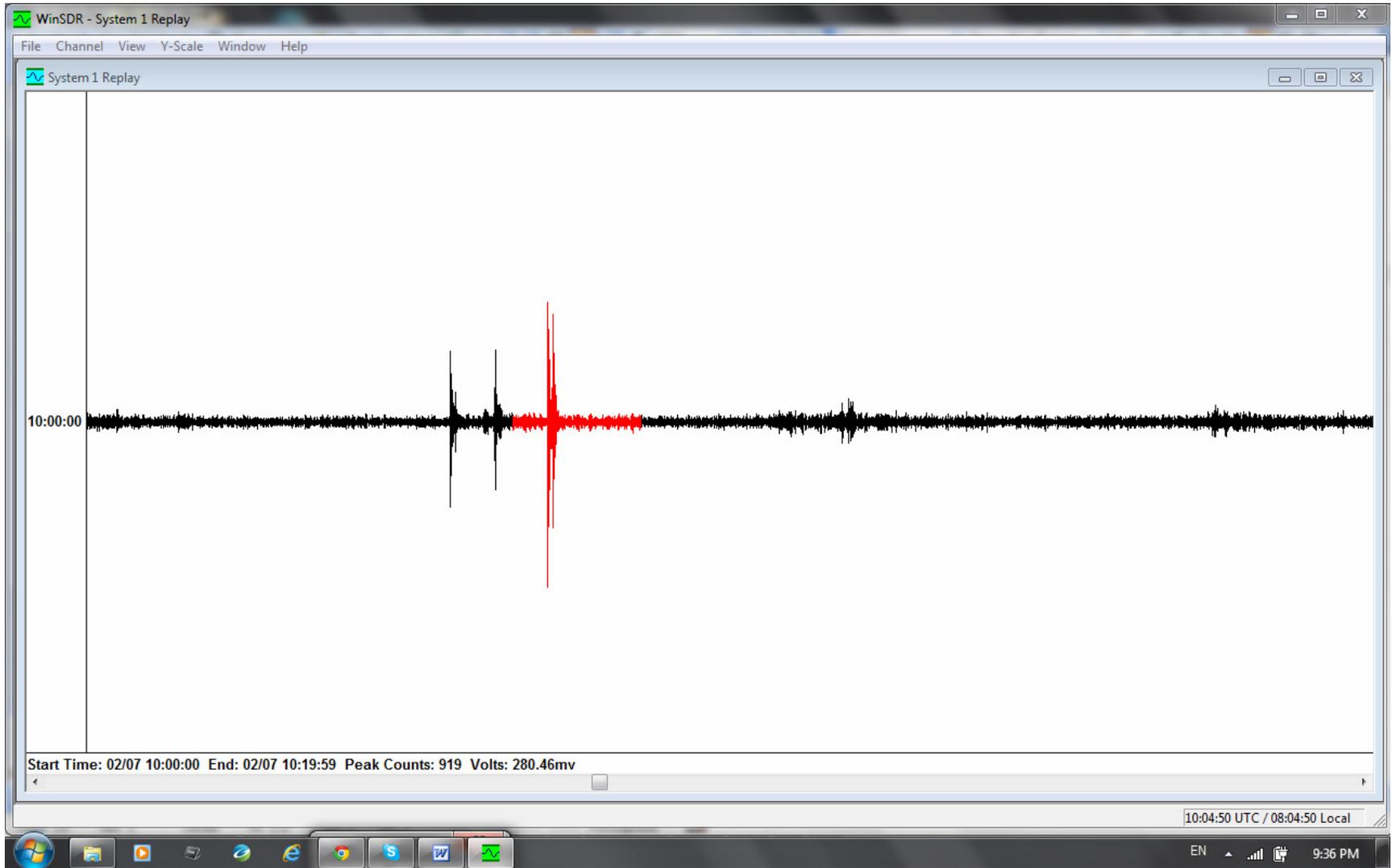
Evento 2



Evento 3



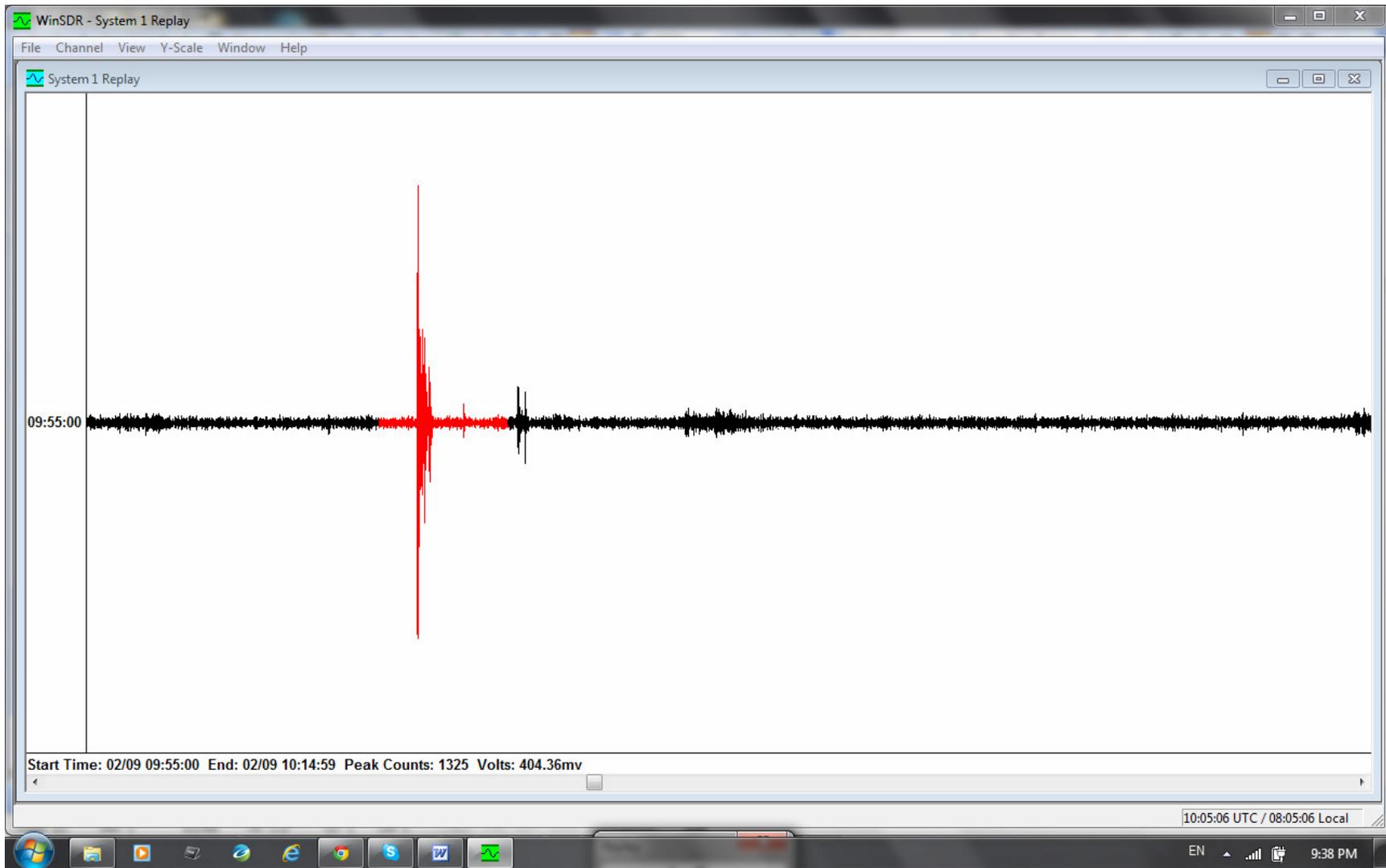
Evento 4



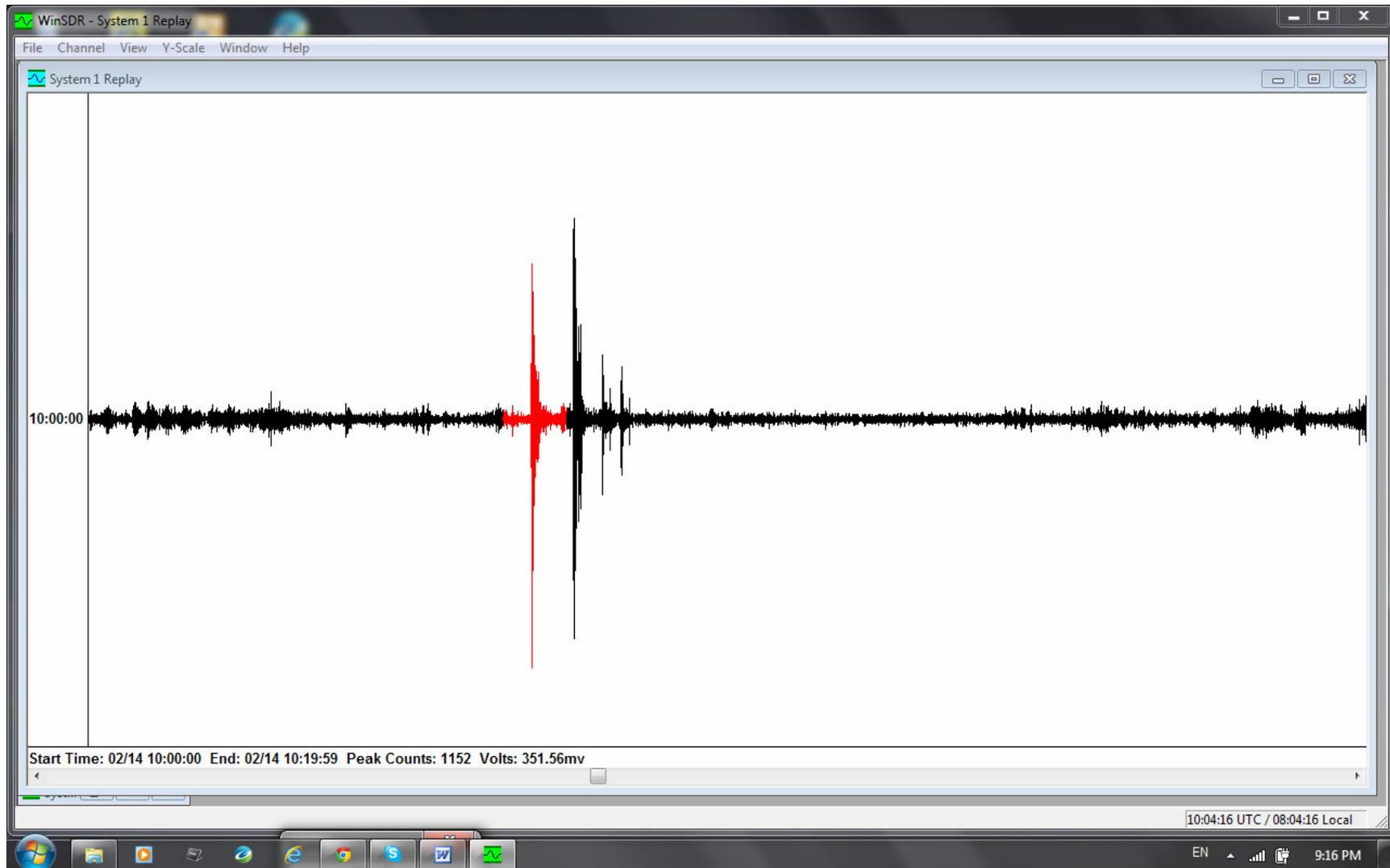
Evento 5



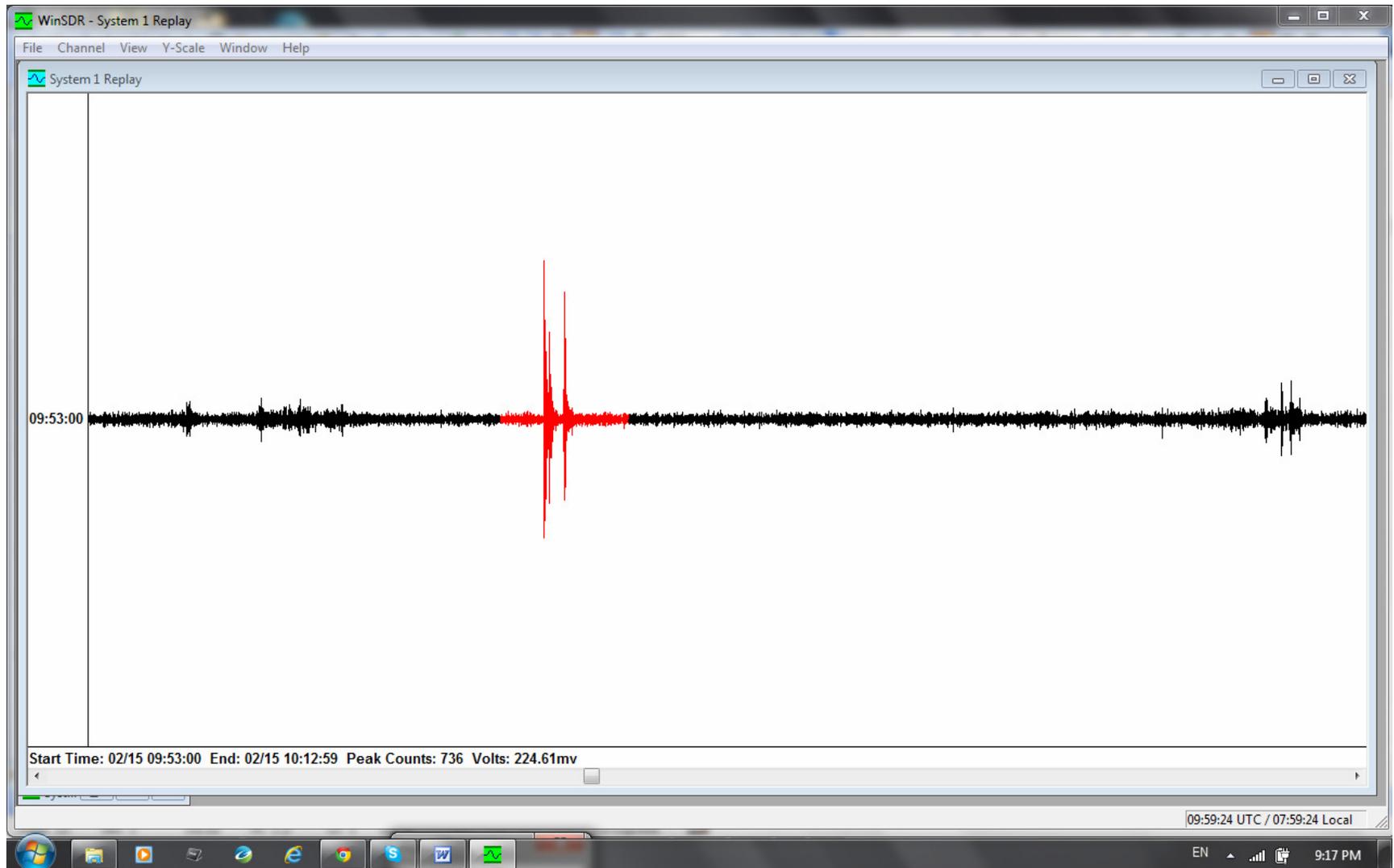
Evento 6



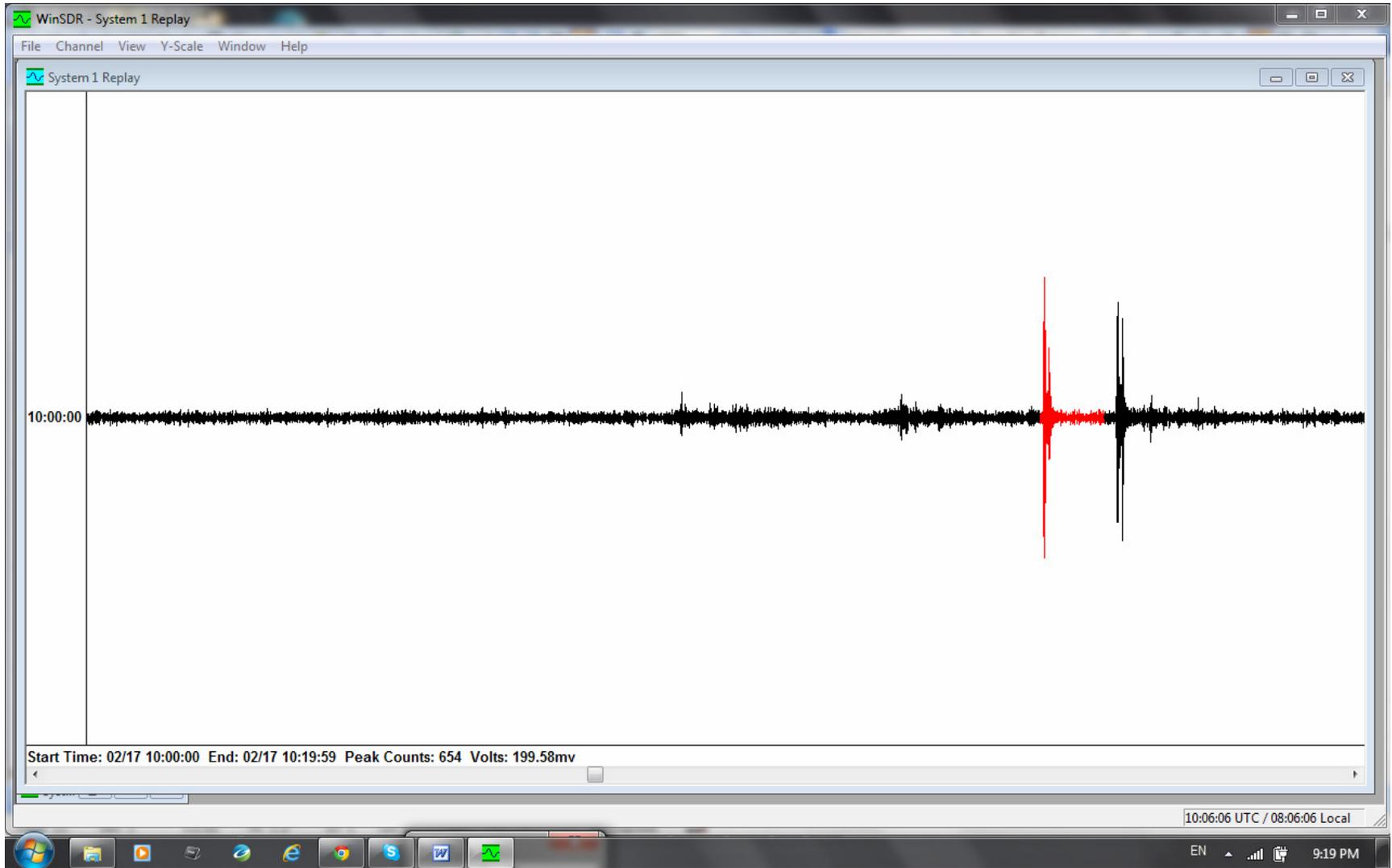
Evento 7



Evento 8



Evento 9



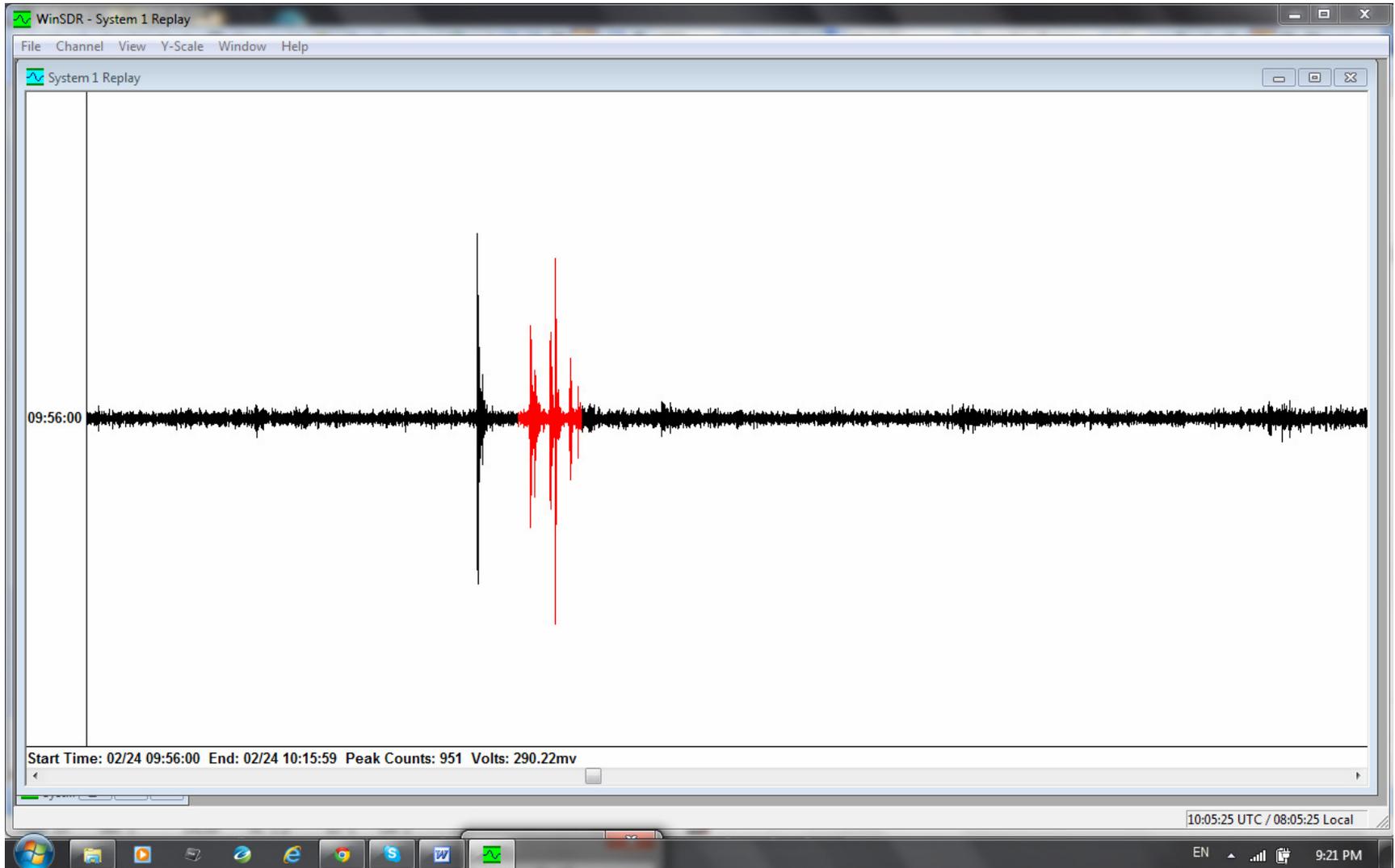
Evento 10



Evento 11



Evento 12



Evento 13



Evento 14

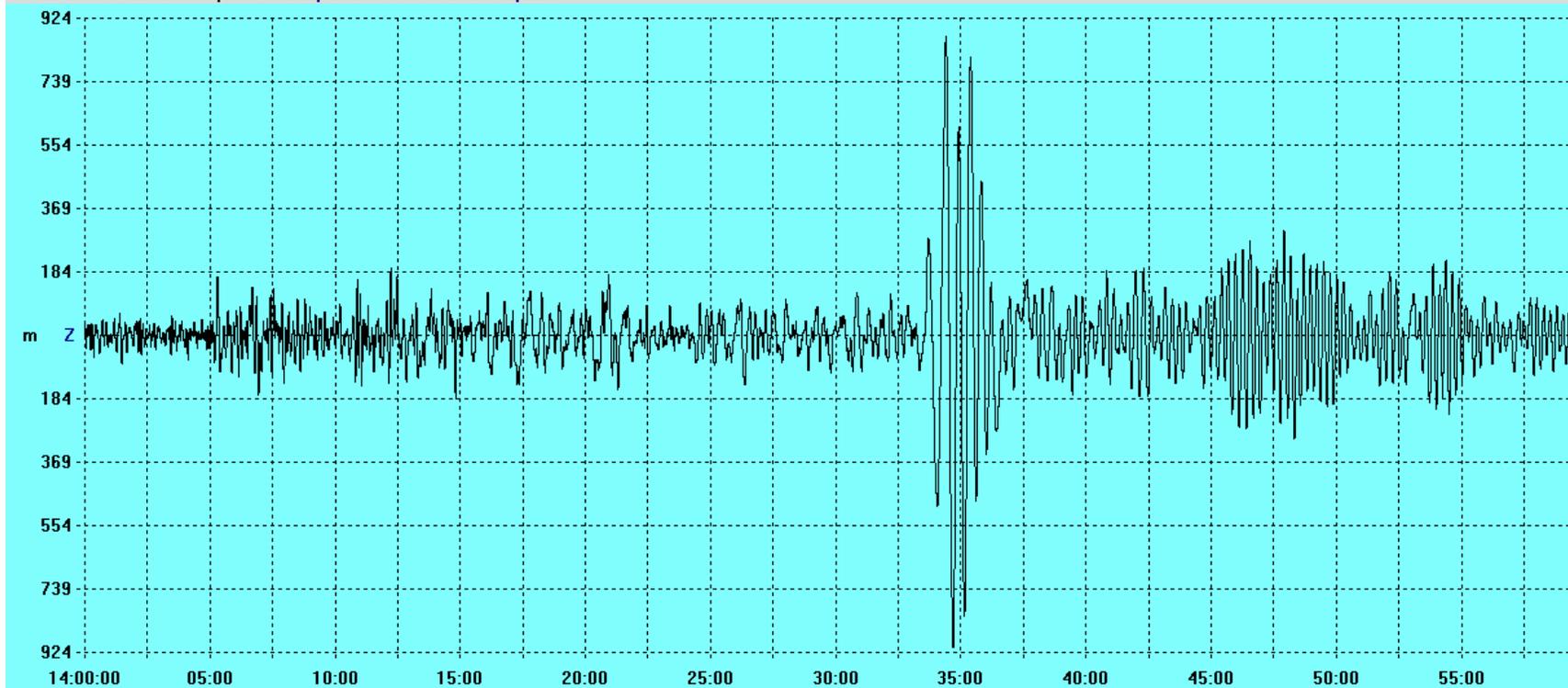
**Principais Telessismos Registrados no
Canteiro de Obras da UHE Santo
Antônio**

**Fevereiro
2012**

Registros da Estação SAML

O sismograma a seguir não foi filtrado:

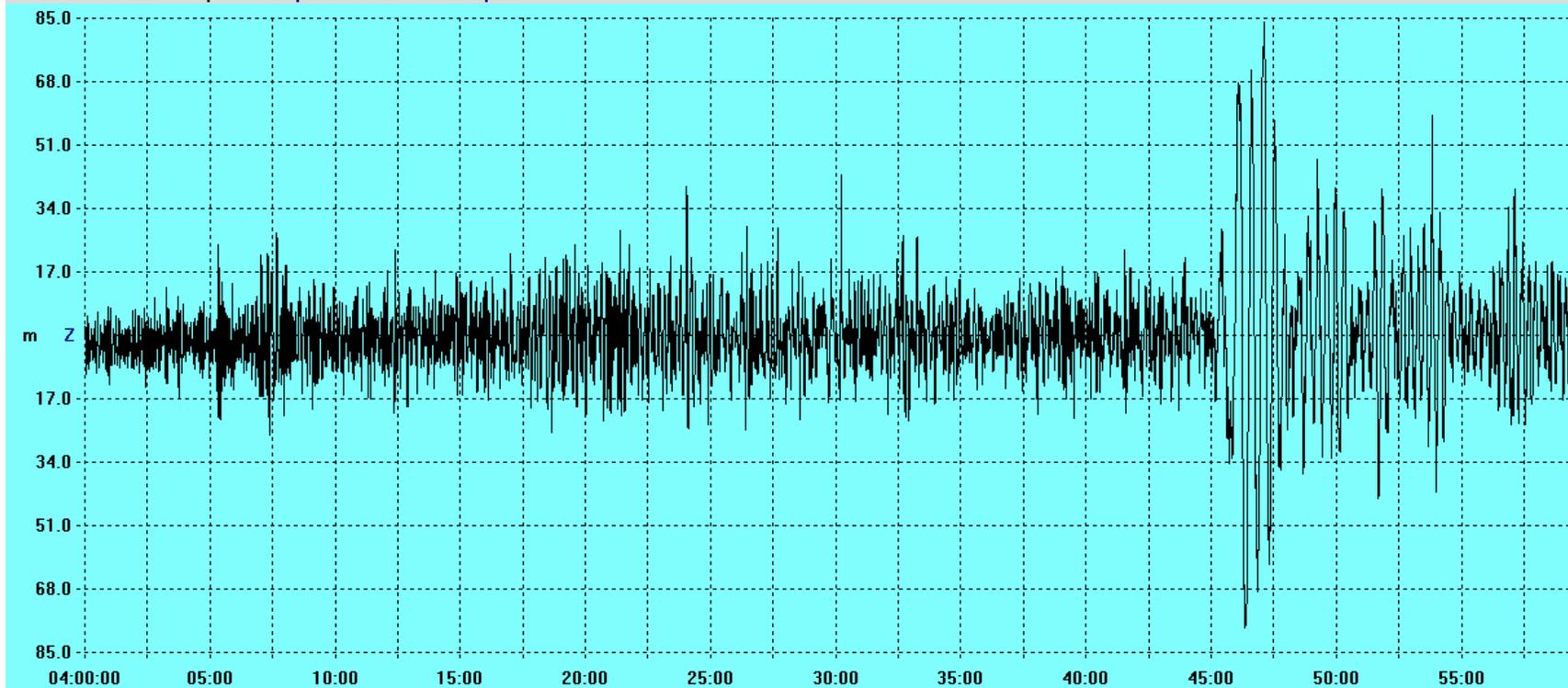
Start: 2/02/12 13:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 72001 SPS: 20
X: 59:59.0 Y: 925m Max/Min: 25868/-27020 Peak: 910.7 m/sec



PDE-Q 2012 02 02 133444.66 -17.83 167.11 55 7.1 MwWCMT 4FM

O sismograma a seguir foi filtrado usando-se o filtro low-pass:

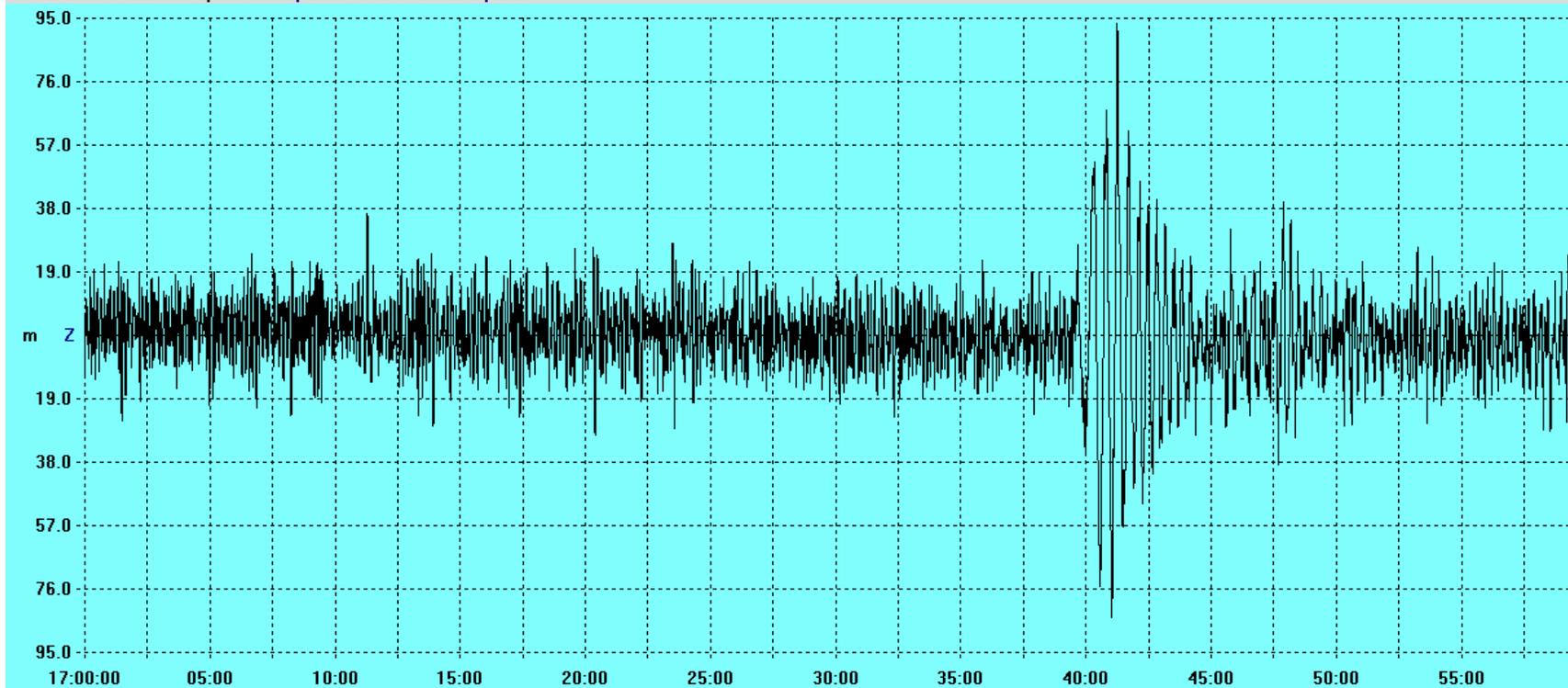
Start: 2/03/12 3:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 72001 SPS: 20
X: 59:59.0 Y: 85m Max/Min: 2491/-2321 Peak: 83.99 m/sec



PDE-Q 2012 02 03 034621.15 -17.38 167.28 8 6.1 MwWCMT ..M

O sismograma a seguir foi filtrado usando-se o filtro low-pass:

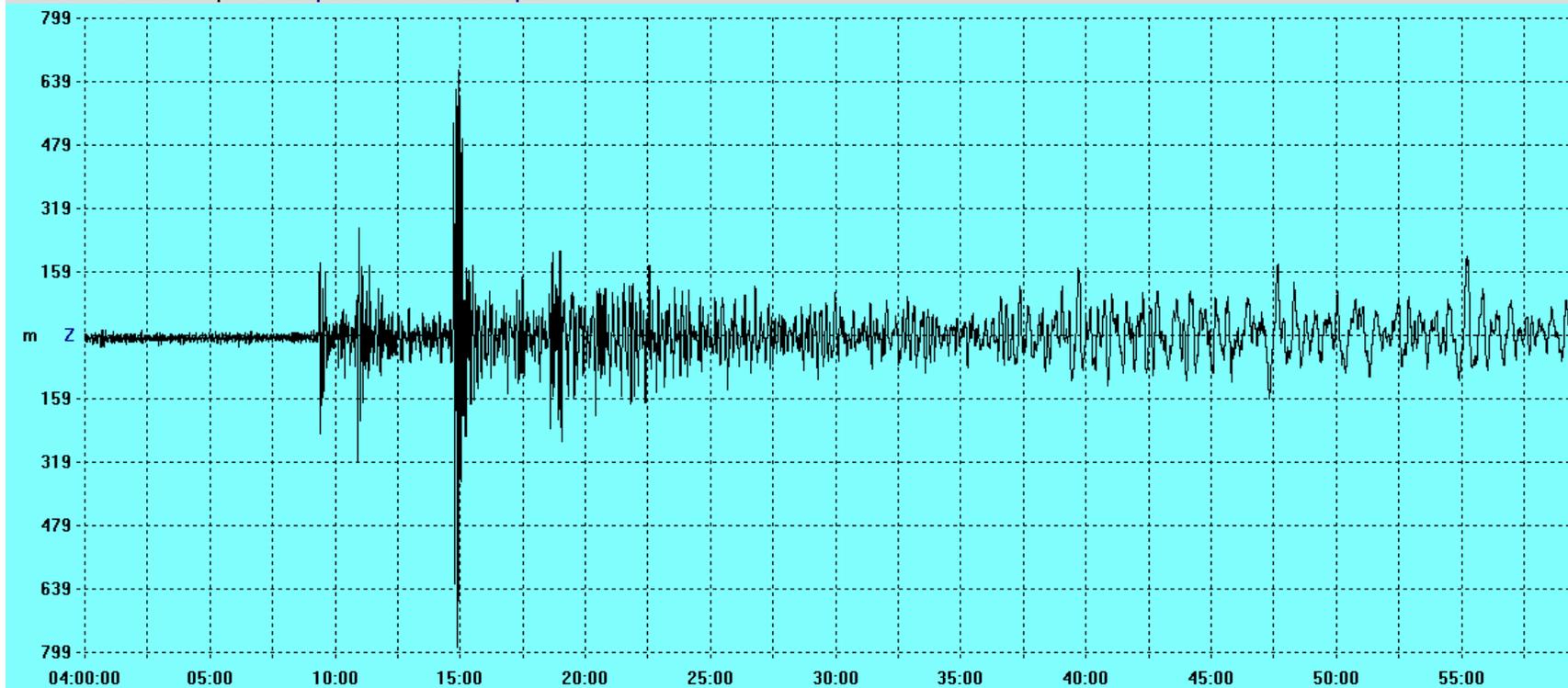
Start: 2/05/12 16:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 72001 SPS: 20
X: 59:59.0 Y: 95m Max/Min: 2776/-2512 Peak: 93.59 m/sec



PDE-Q 2012 02 05 164039.16 -17.95 167.23 8 6.1 MwWCMT ..M

O sismograma a seguir não foi filtrado:

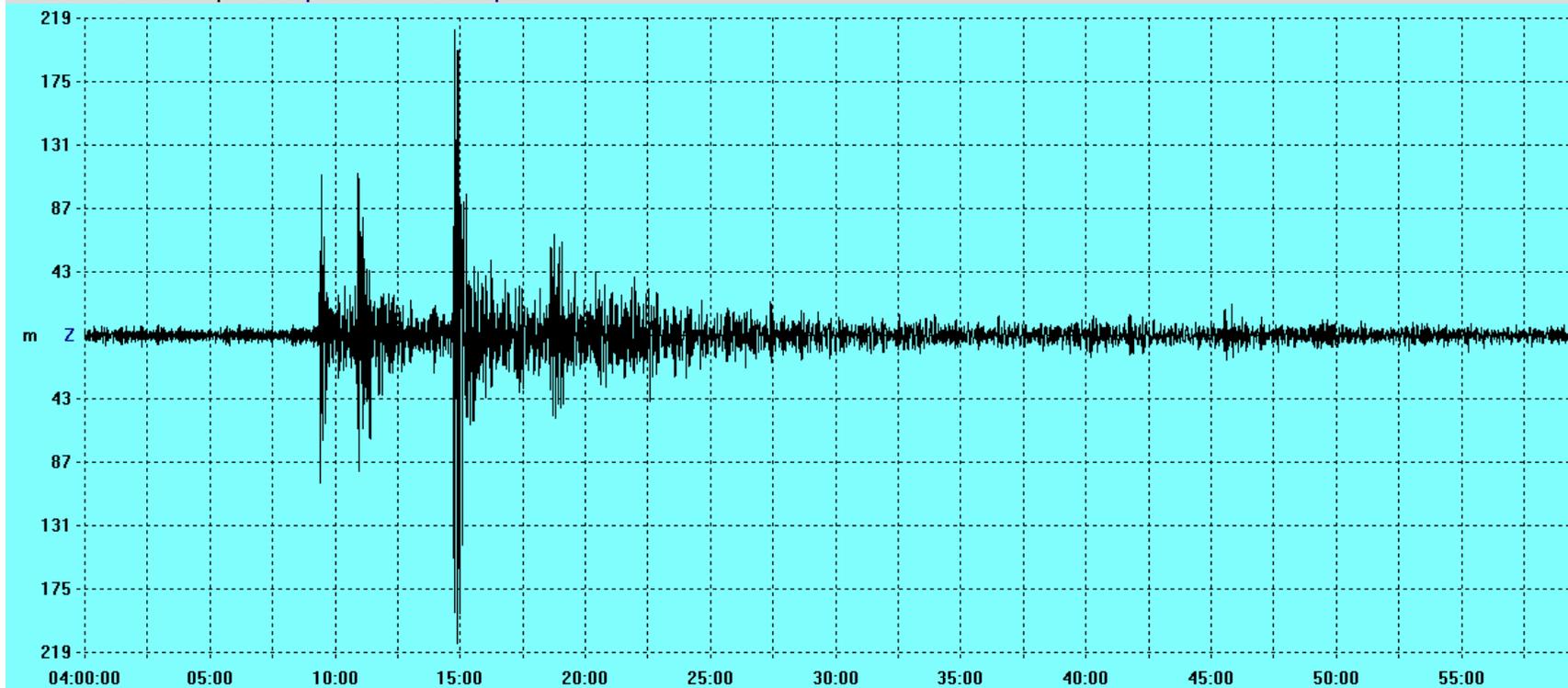
Start: 2/06/12 3:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 72001 SPS: 20
X: 59:59.0 Y: 800m Max/Min: 19820/-23334 Peak: 786.5 m/sec



PDE-Q 2012 02 06 034912.52 10.00 123.21 11 6.7 MwWCMT 7CMS

Versão filtrada (band-pass) do sismograma acima:

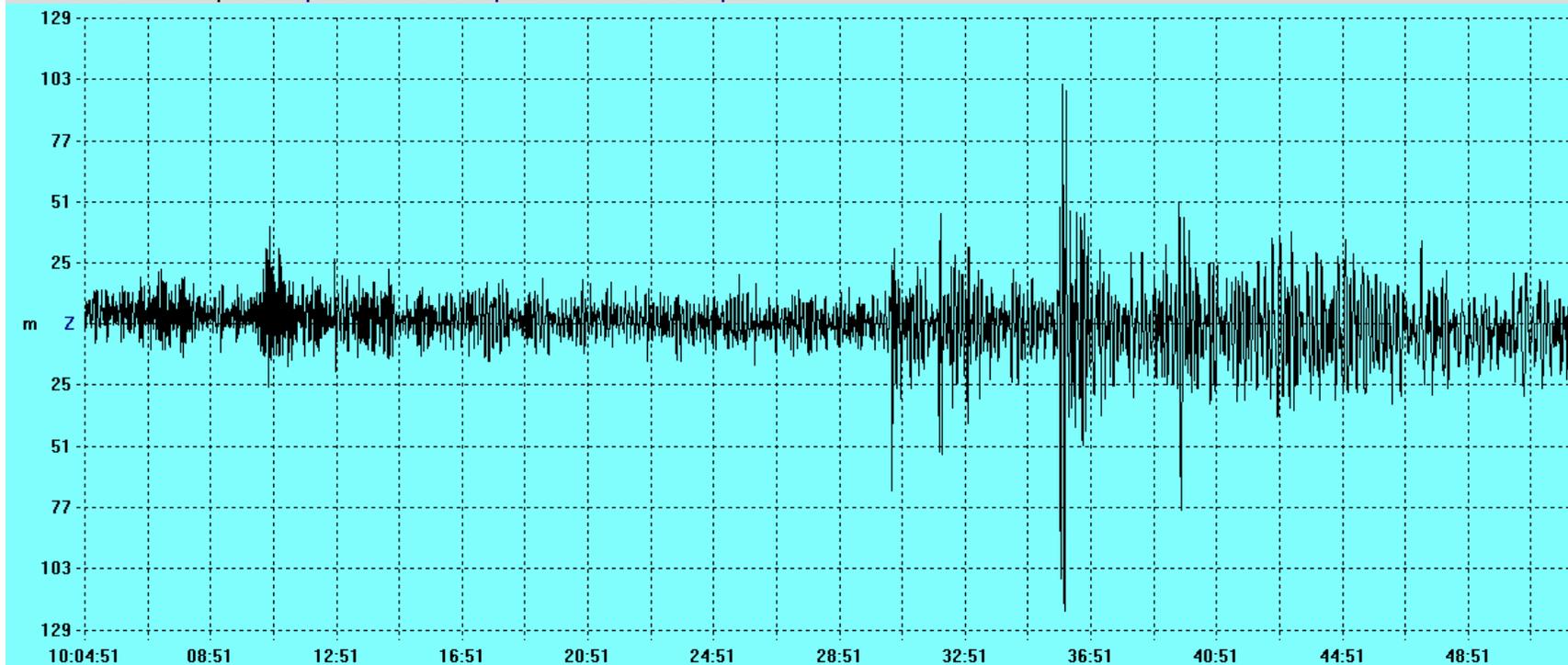
Start: 2/06/12 3:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 72001 SPS: 20
X: 59:59.0 Y: 220m Max/Min: 6293/-6343 Peak: 213.8 m/sec



PDE-Q 2012 02 06 034912.52 10.00 123.21 11 6.7 MwWCMT 7CMS

O sismograma a seguir foi filtrado usando-se o filtro low-pass:

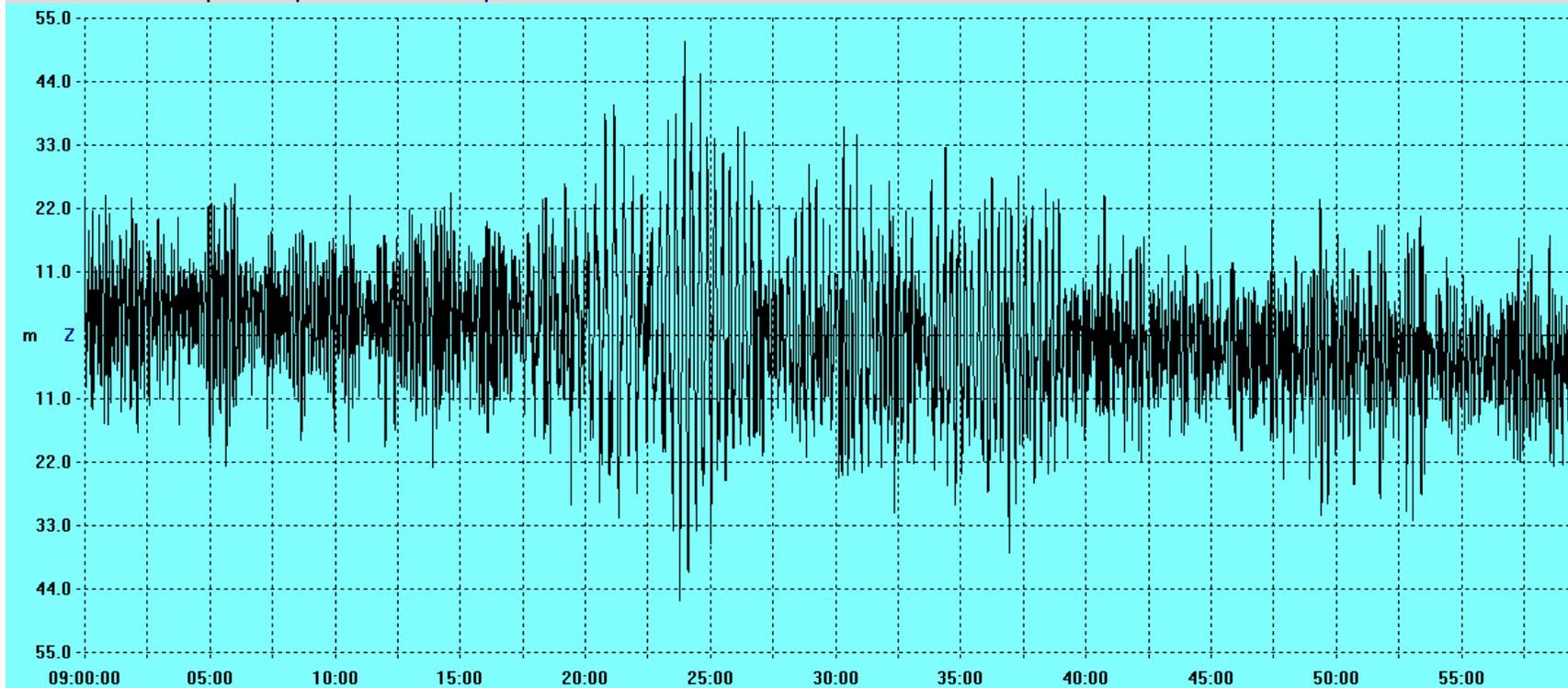
Start: 2/06/12 9:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 72001 SPS: 20
X: 47:45.0 Y: 130m Max/Min: 3020/-3621 Peak: 122.1 m/sec View Peak: 122.1 m/sec



PDE-Q 2012 02 06 101019.91 9.88 123.10 9 6.0 MwWCMT ..M

O sismograma a seguir foi filtrado usando-se o filtro low-pass:

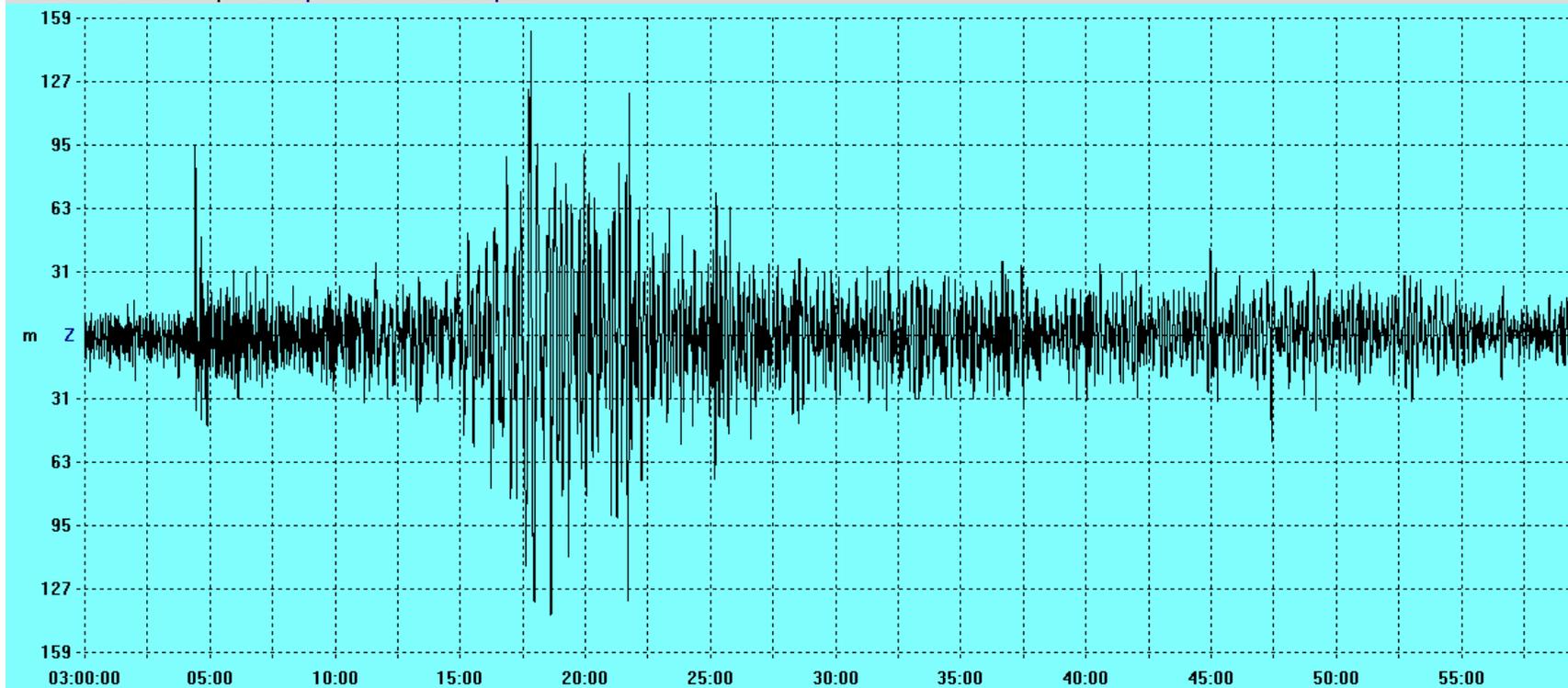
Start: 2/09/12 8:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 72001 SPS: 20
X: 59:59.0 Y: 55m Max/Min: 1510/-1363 Peak: 50.91 m/sec



PDE-Q 2012 02 09 084924.94 -56.37 -25.84 9 5.5 MwGCMT ..M

O sismograma a seguir não foi filtrado:

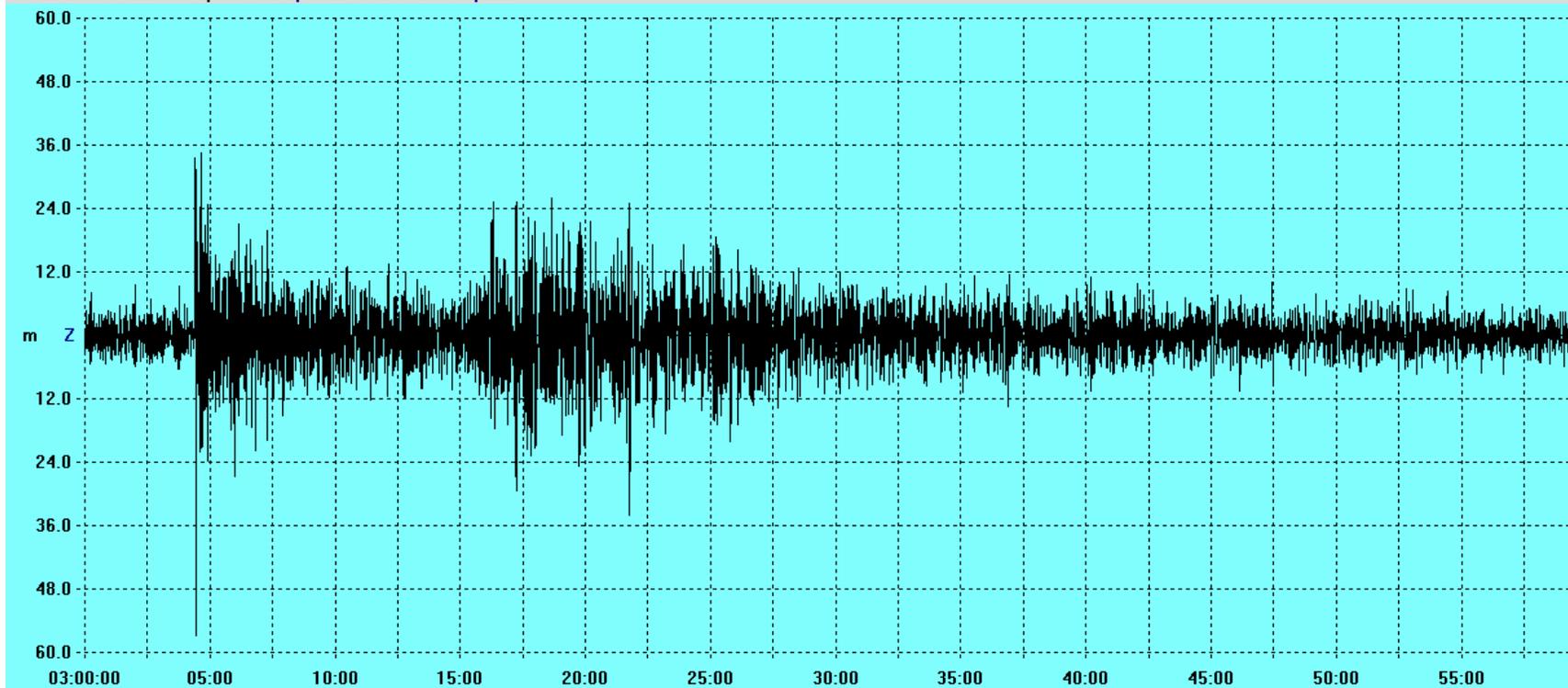
Start: 2/11/12 2:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 72001 SPS: 20
X: 59:59.0 Y: 160m Max/Min: 4546/-4175 Peak: 153.2 m/sec



PDE-Q 2012 02 11 025817 -37.46 -73.88 20 5.6 MwGS 5FM

Versão filtrada (band-pass) do sismograma acima:

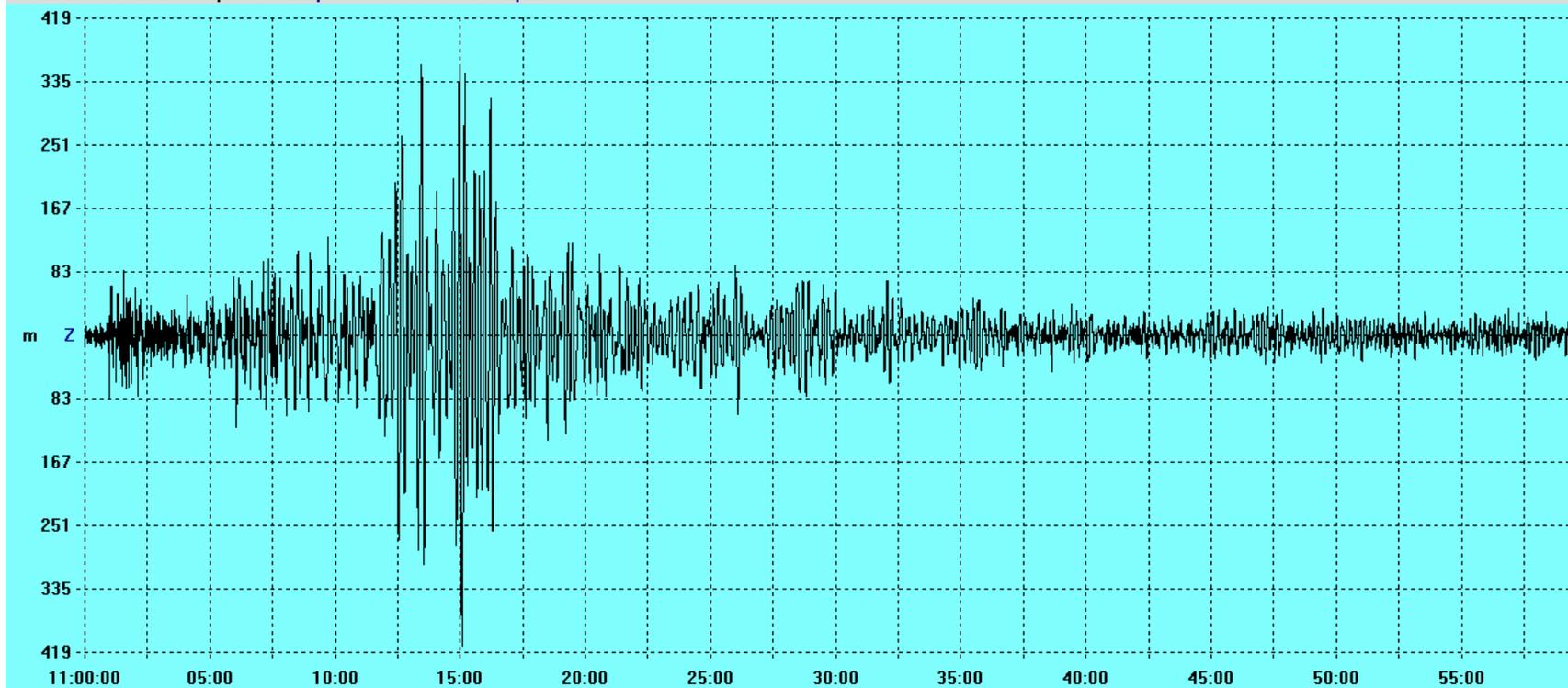
Start: 2/11/12 2:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 72001 SPS: 20
X: 59:59.0 Y: 60m Max/Min: 1022/-1682 Peak: 56.7 m/sec



PDE-Q 2012 02 11 025817 -37.46 -73.88 20 5.6 MwGS 5FM

O sismograma a seguir não foi filtrado:

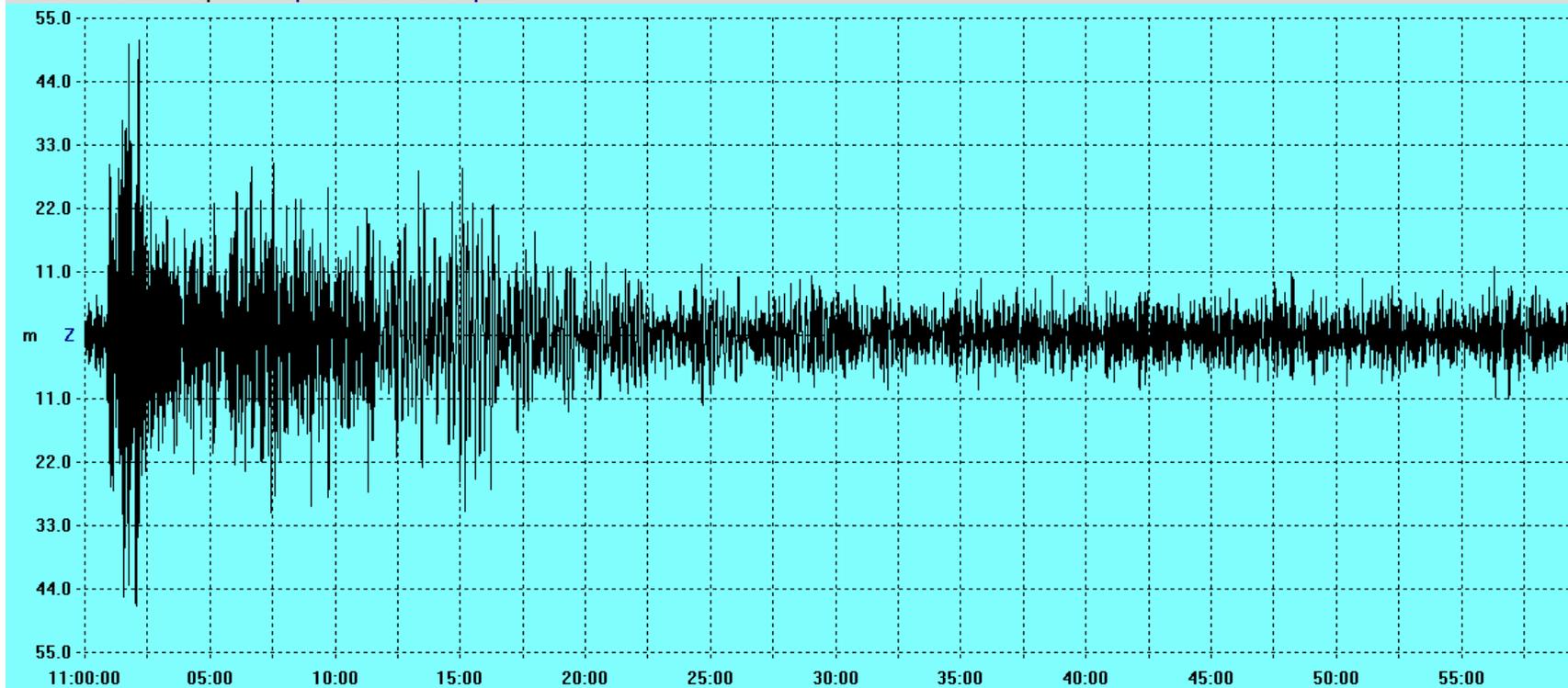
Start: 2/13/12 10:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 72001 SPS: 20
X: 59:59.0 Y: 420m Max/Min: 10650/-12225 Peak: 412.1 m/sec



PDE-Q 2012 02 13 105509.46 9.18 -84.10 16 5.9 MwWCMT 5FM

Versão filtrada (band-pass) do sismograma acima:

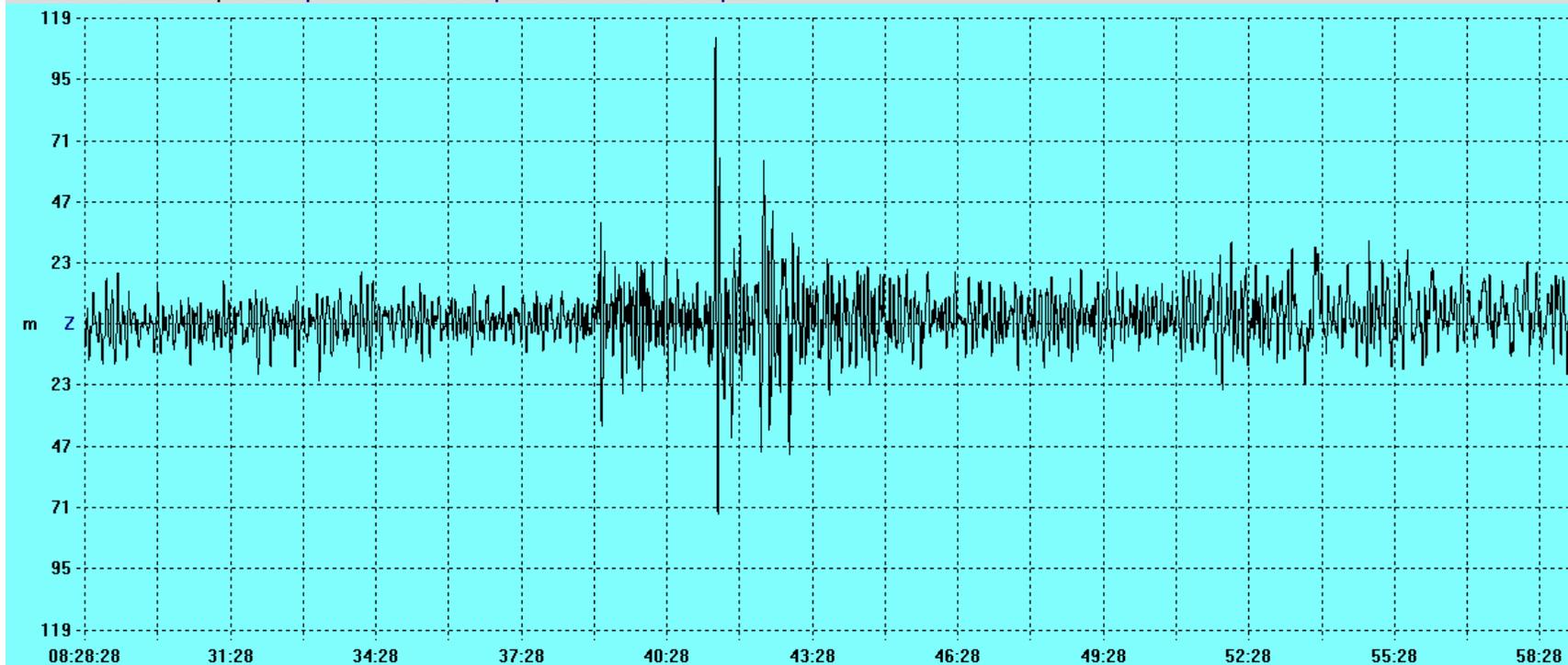
Start: 2/13/12 10:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 72001 SPS: 20
X: 59:59.0 Y: 55m Max/Min: 1518/-1390 Peak: 51.2 m/sec



PDE-Q 2012 02 13 105509.46 9.18 -84.10 16 5.9 MwWCMT 5FM

O sismograma a seguir foi filtrado usando-se o filtro low-pass:

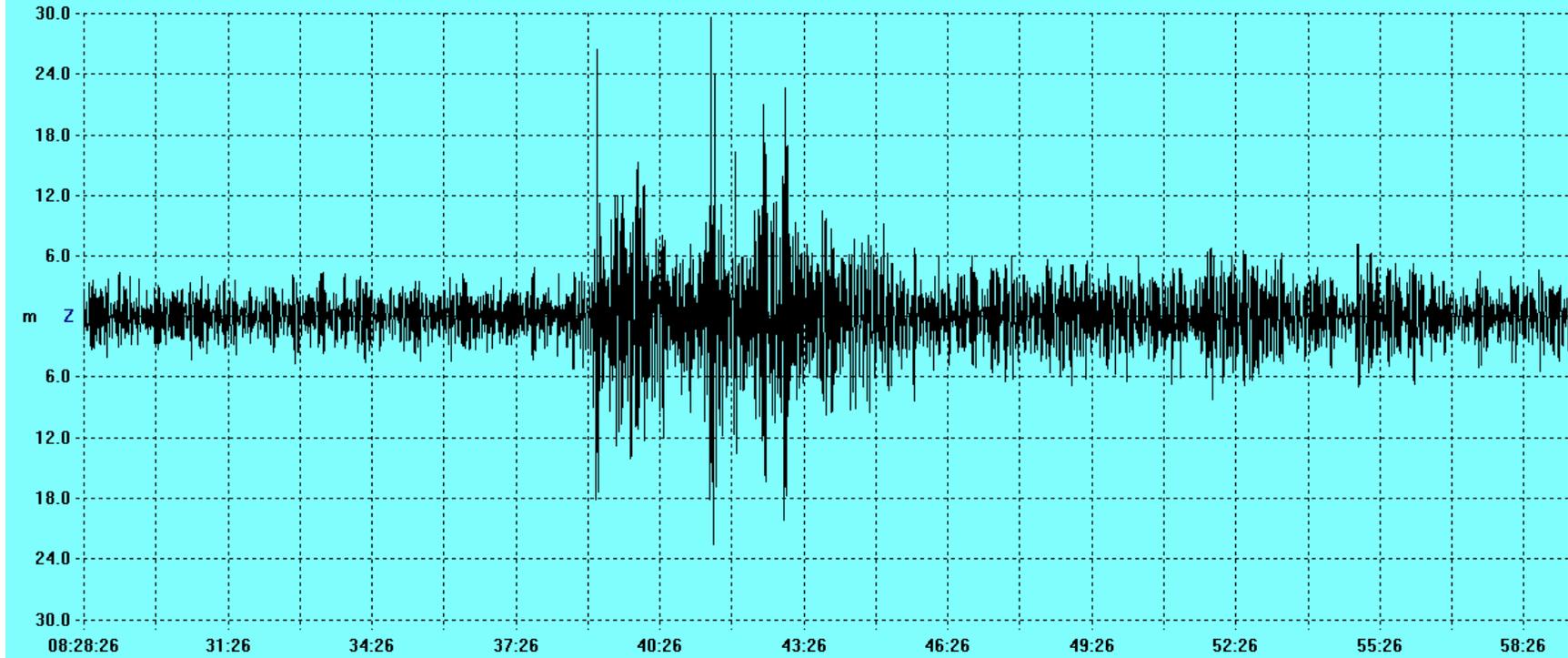
Start: 2/14/12 7:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 72001 SPS: 20
X: 30:57.0 Y: 120m Max/Min: 3329/-2211 Peak: 112.2 m/sec View Peak: 112.2 m/sec



PDE-Q 2012 02 14 081955.47 -10.39 161.10 51 6.4 MwWCMT .FM

Versão do sismograma acima filtrado usando-se o filtro band-pass:

Start: 2/14/12 7:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 72001 SPS: 20
X: 30:57.0 Y: 30m Max/Min: 875.5/-669.8 Peak: 29.51 m/sec View Peak: 29.51 m/sec

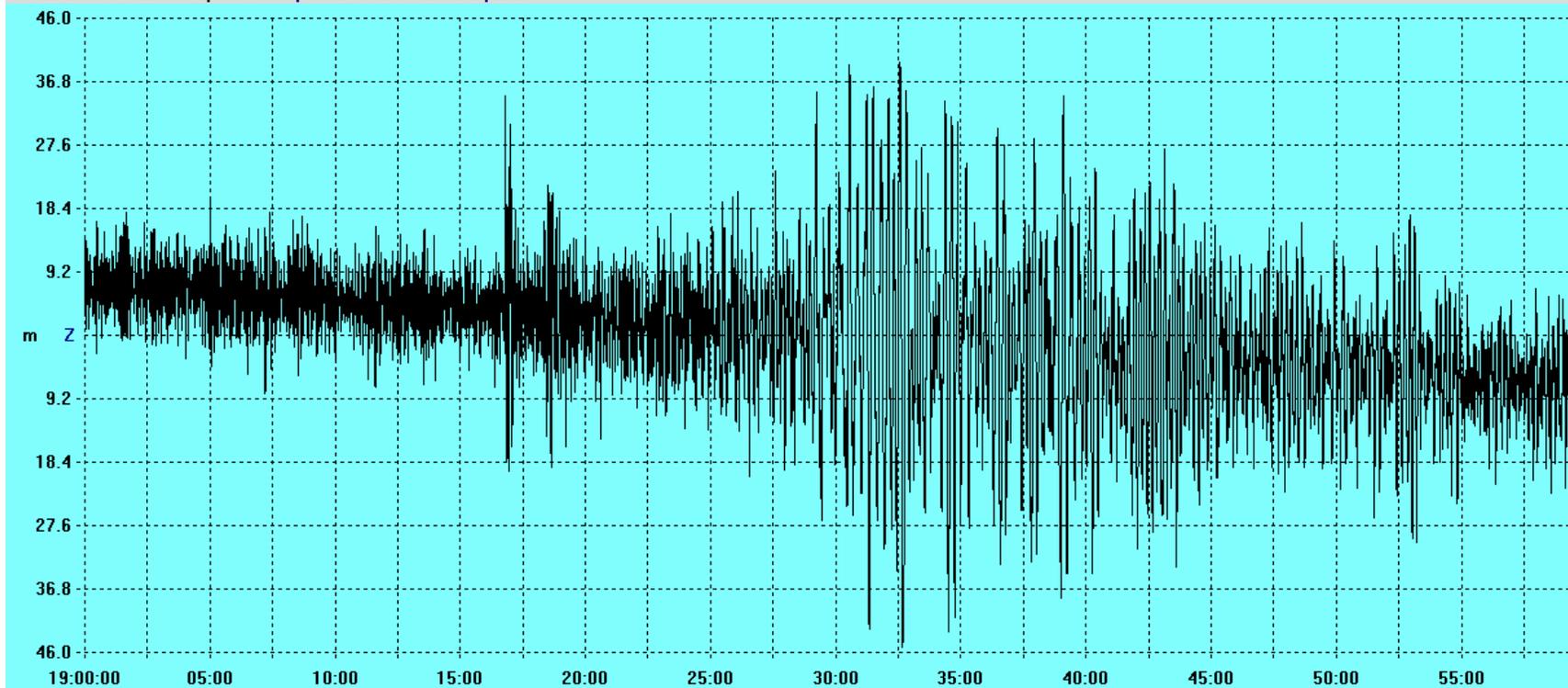


PDE-Q 2012 02 14 081955.47 -10.39 161.10 51 6.4 MwWCMT .FM

O sismograma a seguir não foi filtrado:

Start: 2/20/12 18:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 72001 SPS: 20

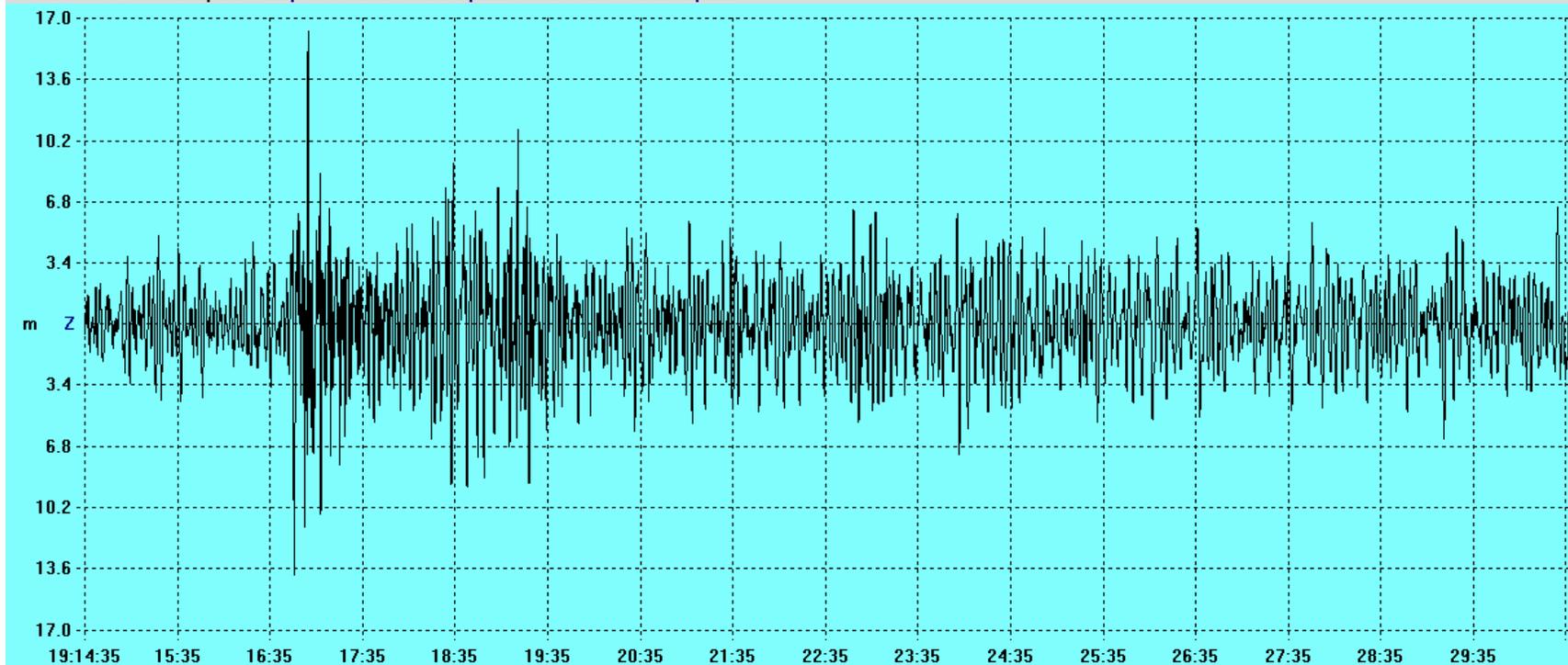
X: 59:59.0 Y: 46m Max/Min: 1177/-1342 Peak: 45.26 m/sec



PDE-Q 2012 02 20 190943.88 14.39 -92.88 63 5.6 MwGCMT ..M

Versão filtrada (band-pass), em detalhe, do sismograma acima:

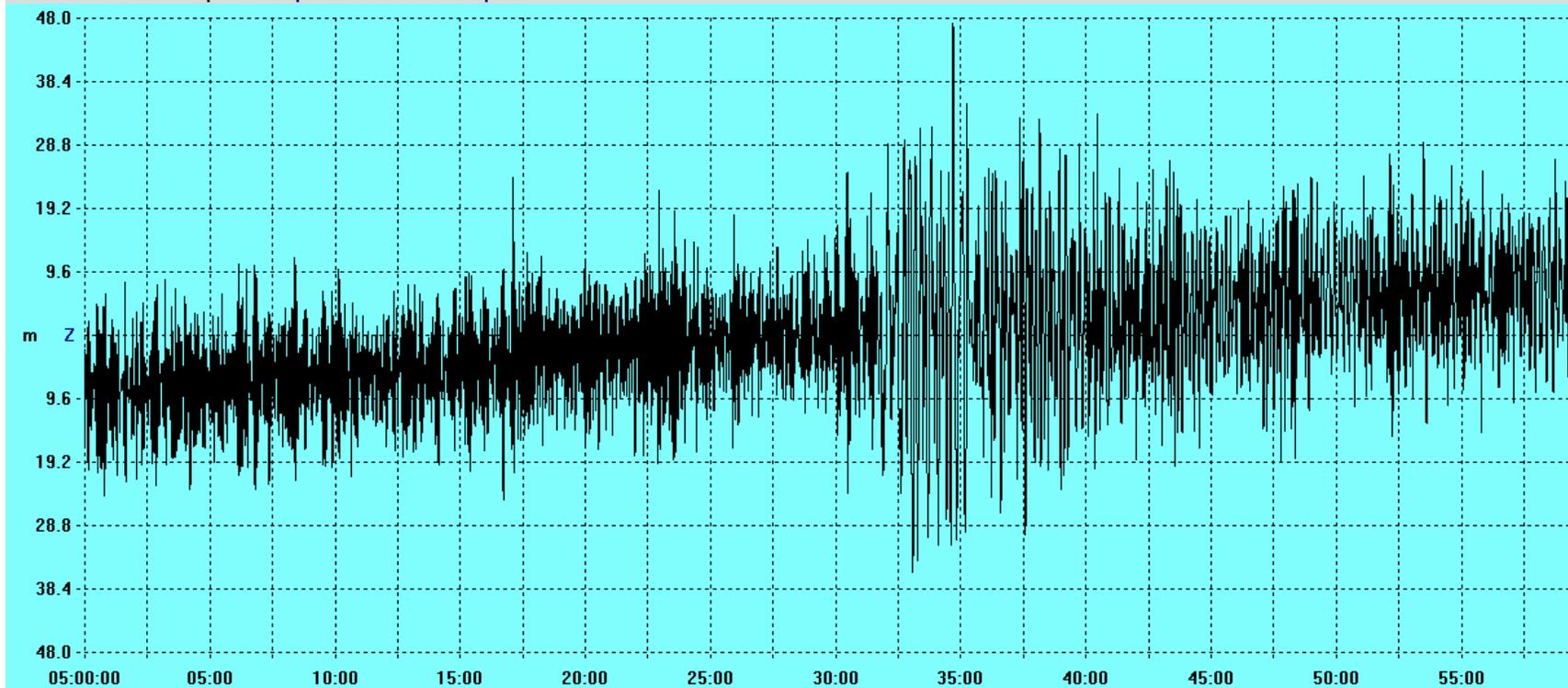
Start: 2/20/12 18:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 72001 SPS: 20
X: 16:13.0 Y: 17m Max/Min: 482/-414 Peak: 16.25 m/sec View Peak: 16.25 m/sec



PDE-Q 2012 02 20 190943.88 14.39 -92.88 63 5.6 MwGCMT ..M

O sismograma a seguir foi filtrado usando-se um filtro low-pass:

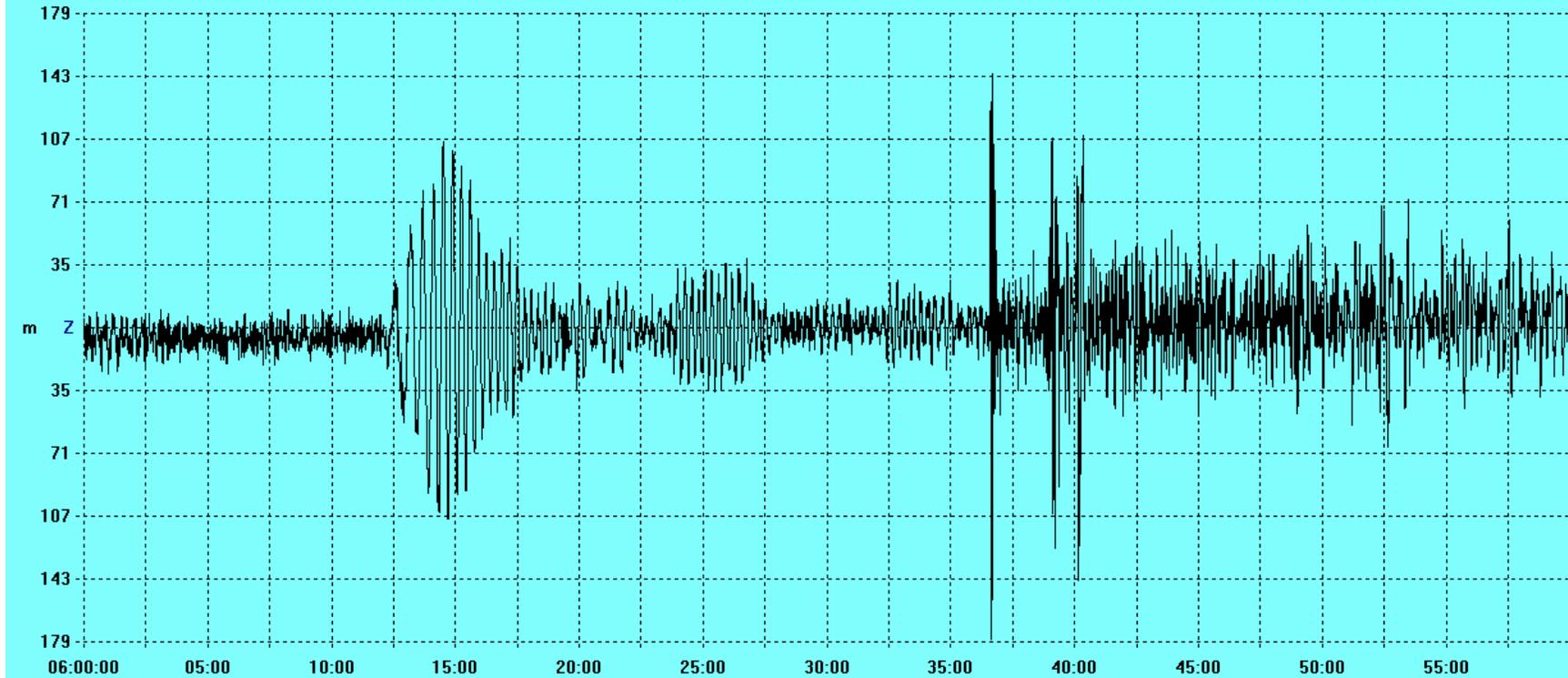
Start: 2/23/12 4:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 72001 SPS: 20
X: 59:59.0 Y: 48m Max/Min: 1399/-1065 Peak: 47.15 m/sec



PDE-Q 2012 02 23 050812.68 -17.72 -13.19 10 5.5 MwGCMT ..M

O sismograma a seguir foi filtrado usando-se o filtro low-pass:

Start: 2/26/12 5:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 72001 SPS: 20
X: 59:59.0 Y: 180m Max/Min: 4319/-5299 Peak: 178.6 m/sec



Dois sismos:

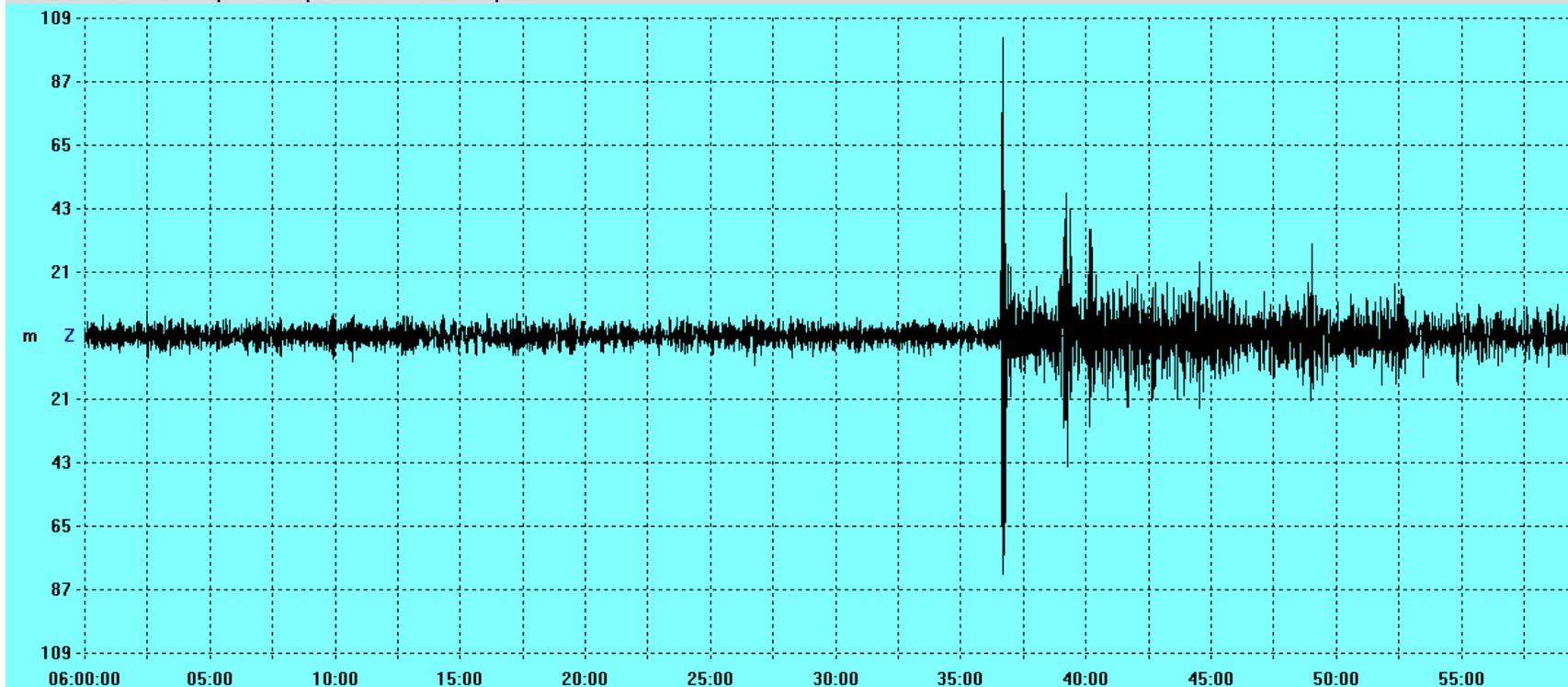
```
PDE-Q 2012 02 26 052124.82 -24.49 -177.22 10 6.0 MwWCMT ..M .....  
PDE-Q 2012 02 26 052459.16 -32.49 -177.74 37 6.2 MsGS ... ..
```

Precedendo o evento principal:

```
PDE-Q 2012 02 26 061719.84 51.72 95.98 12 6.7 MwWCMT 5FM .....
```

Versão filtrada (usando-se o filtro band-pass) do sismograma acima:

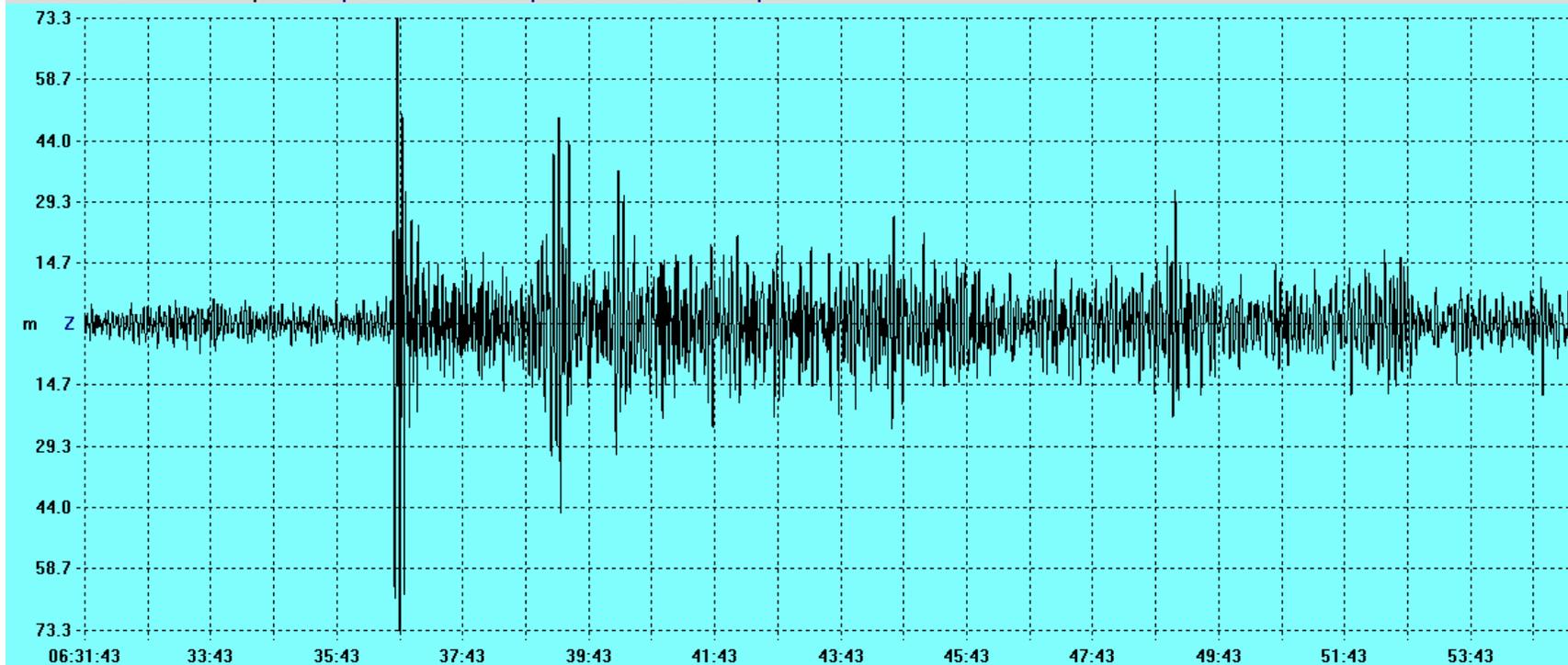
Start: 2/26/12 5:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 72001 SPS: 20
X: 59:59.0 Y: 110m Max/Min: 3064/-2457 Peak: 103.3 m/sec



PDE-Q 2012 02 26 061719.84 51.72 95.98 12 6.7 MwWCMT 5FM

Detalhes do sismograma acima:

Start: 2/26/12 5:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 72001 SPS: 20
X: 23:50.0 Y: 73.3333m Max/Min: 3064/-2457 Peak: 103.3 m/sec View Peak: 103.3 m/sec



PDE-Q 2012 02 26 061719.84 51.72 95.98 12 6.7 MwWCMT 5FM