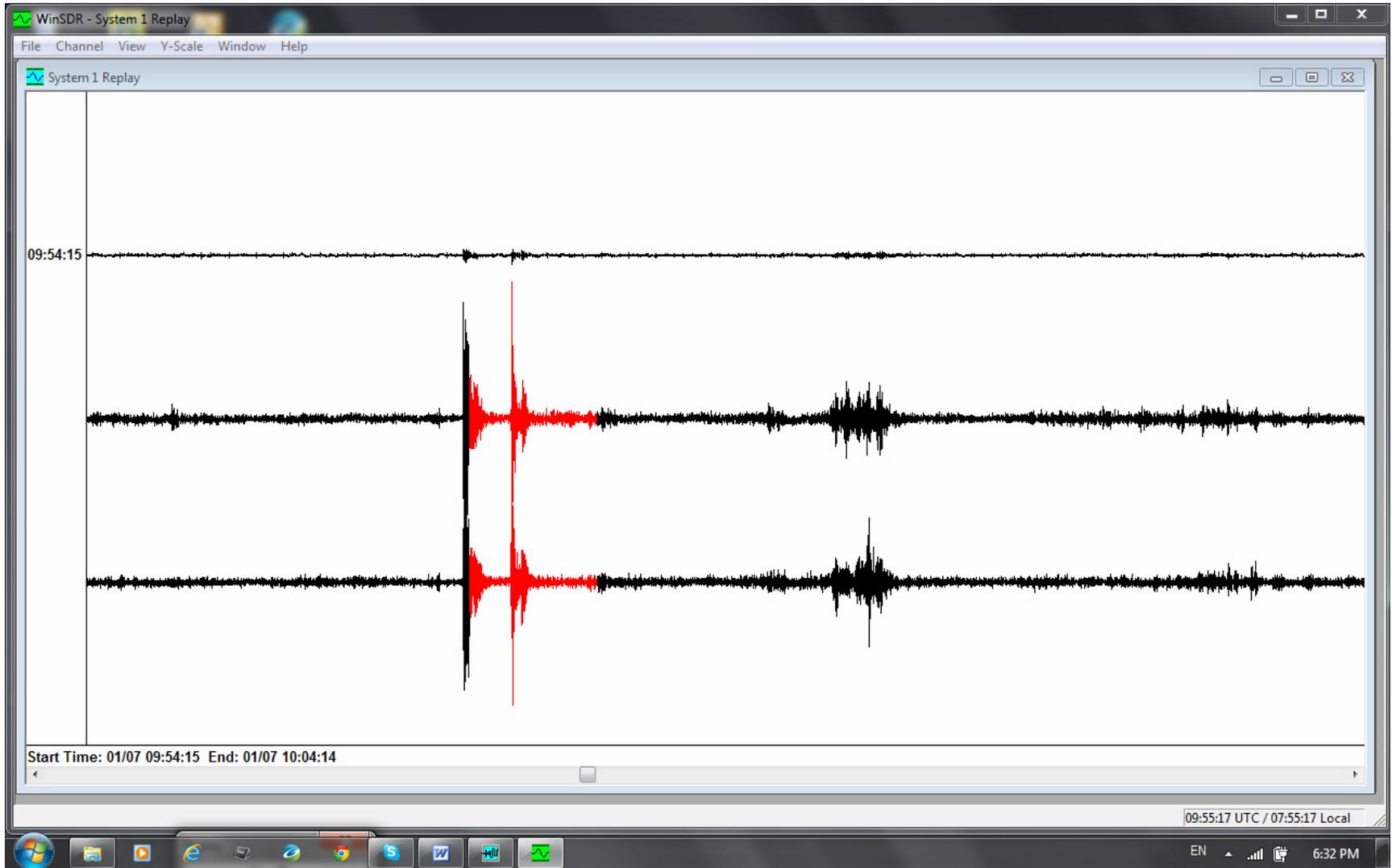


Apêndice

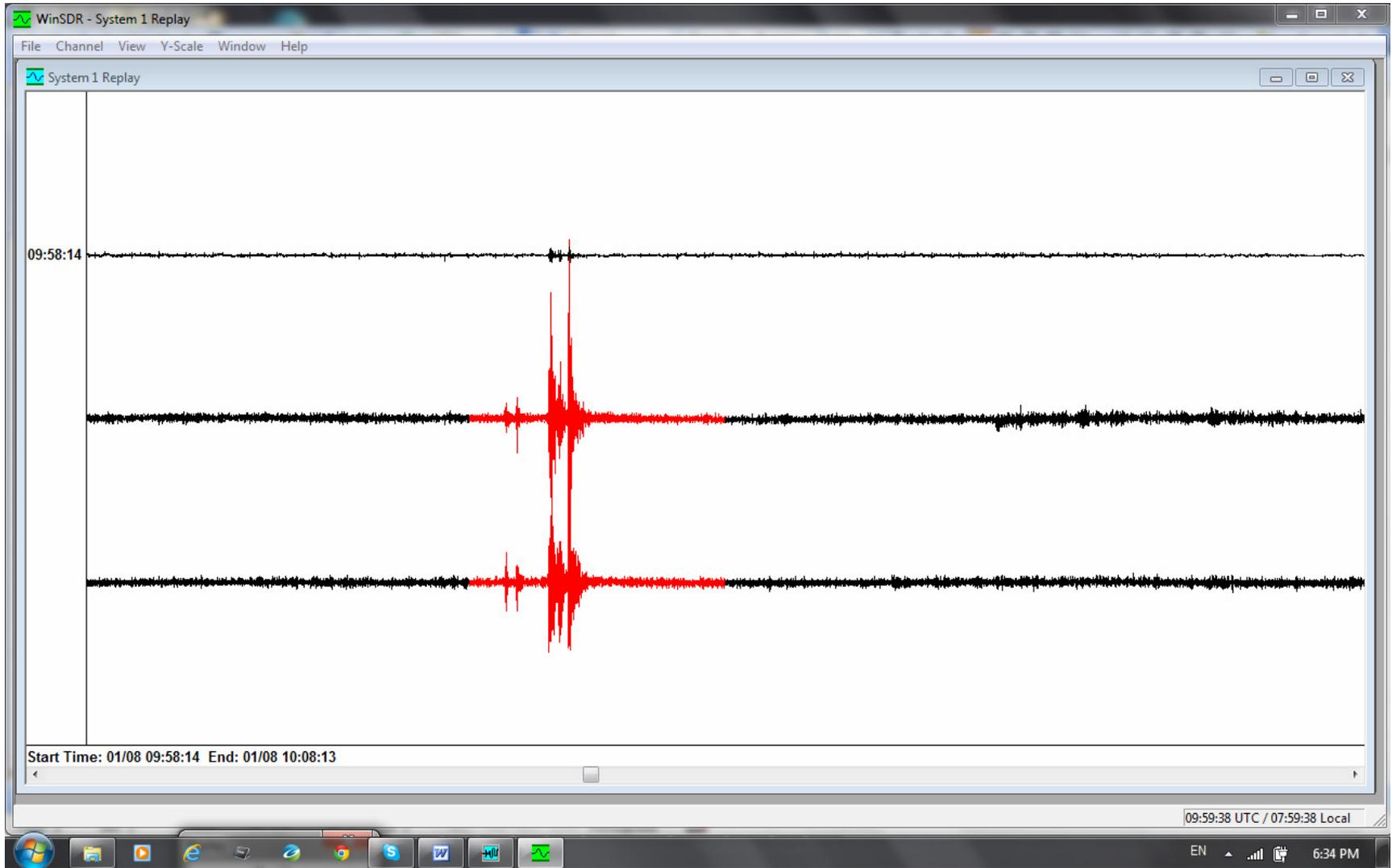
Detonações Realizadas no Canteiro de Obras da UHE Santo Antônio

**Janeiro
2012**

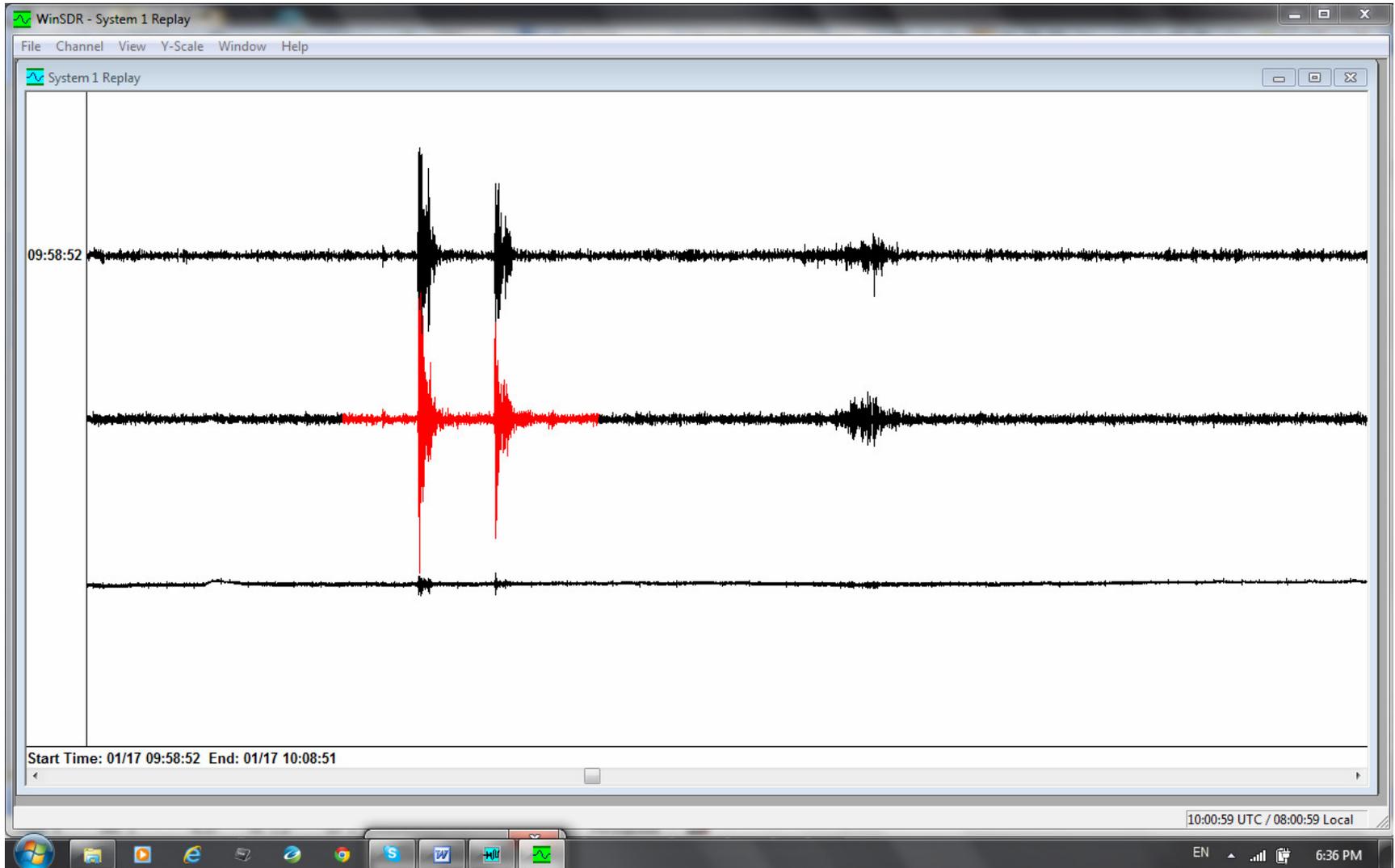
Registros da Estação SANT1



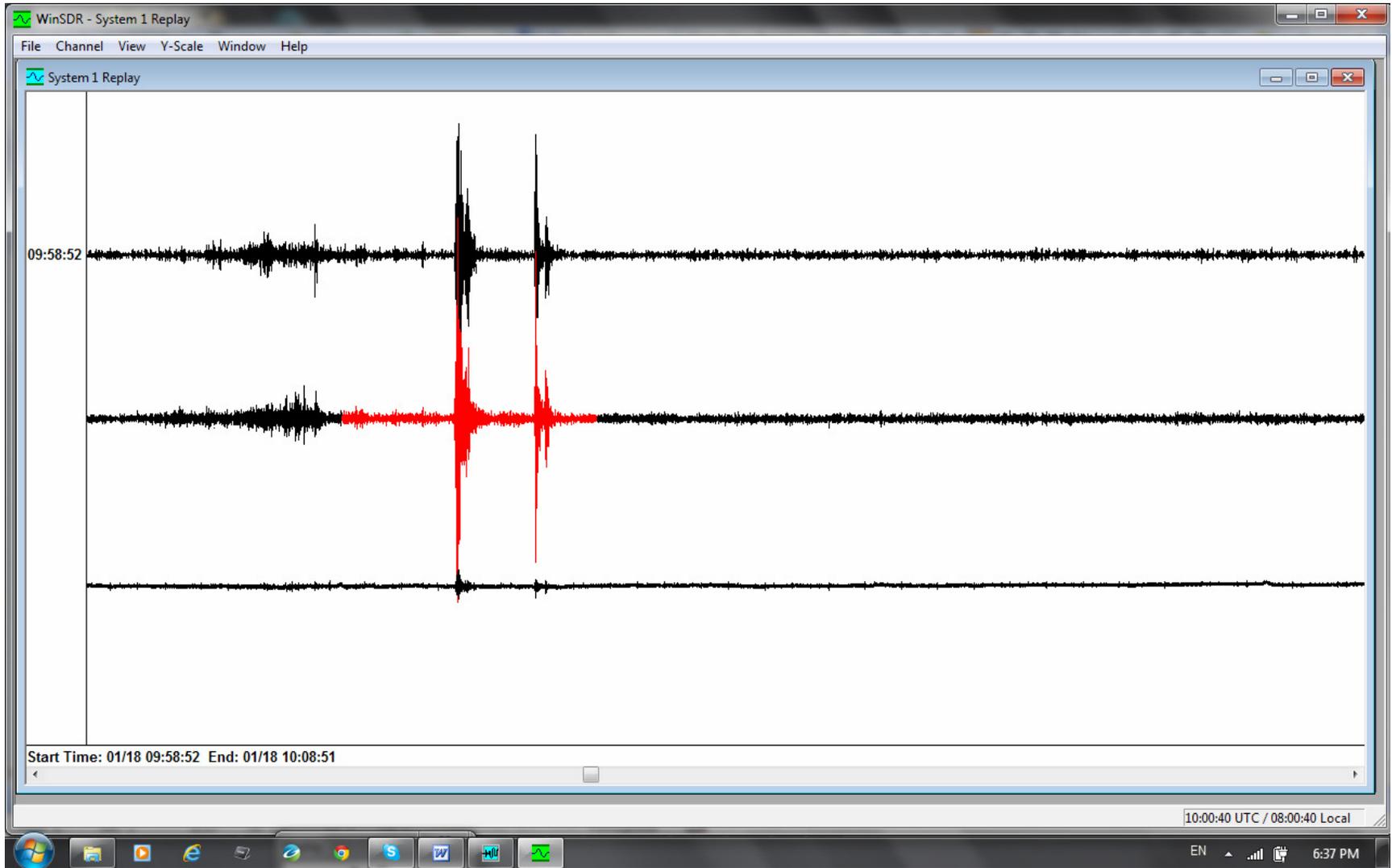
Evento 1



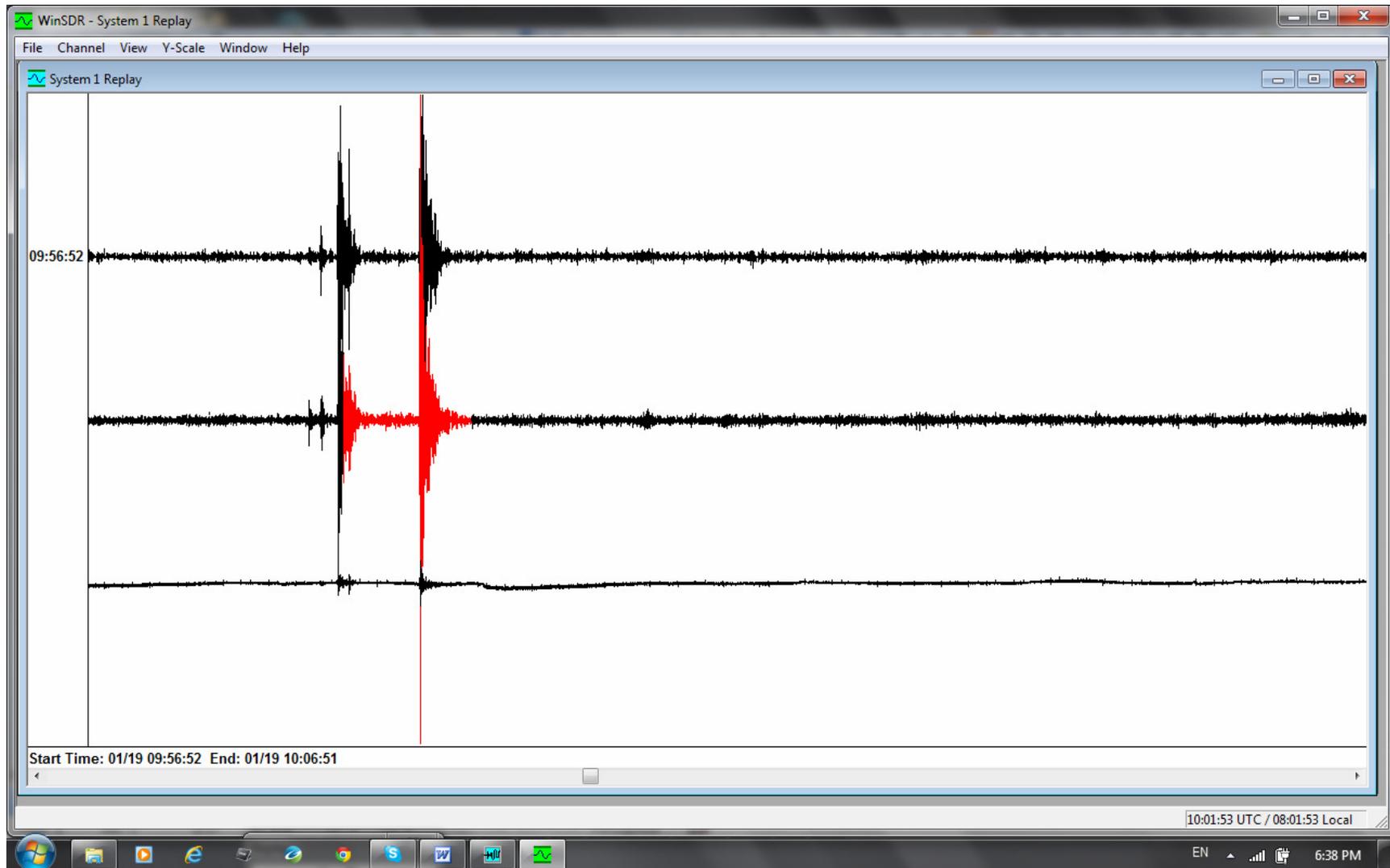
Evento 2



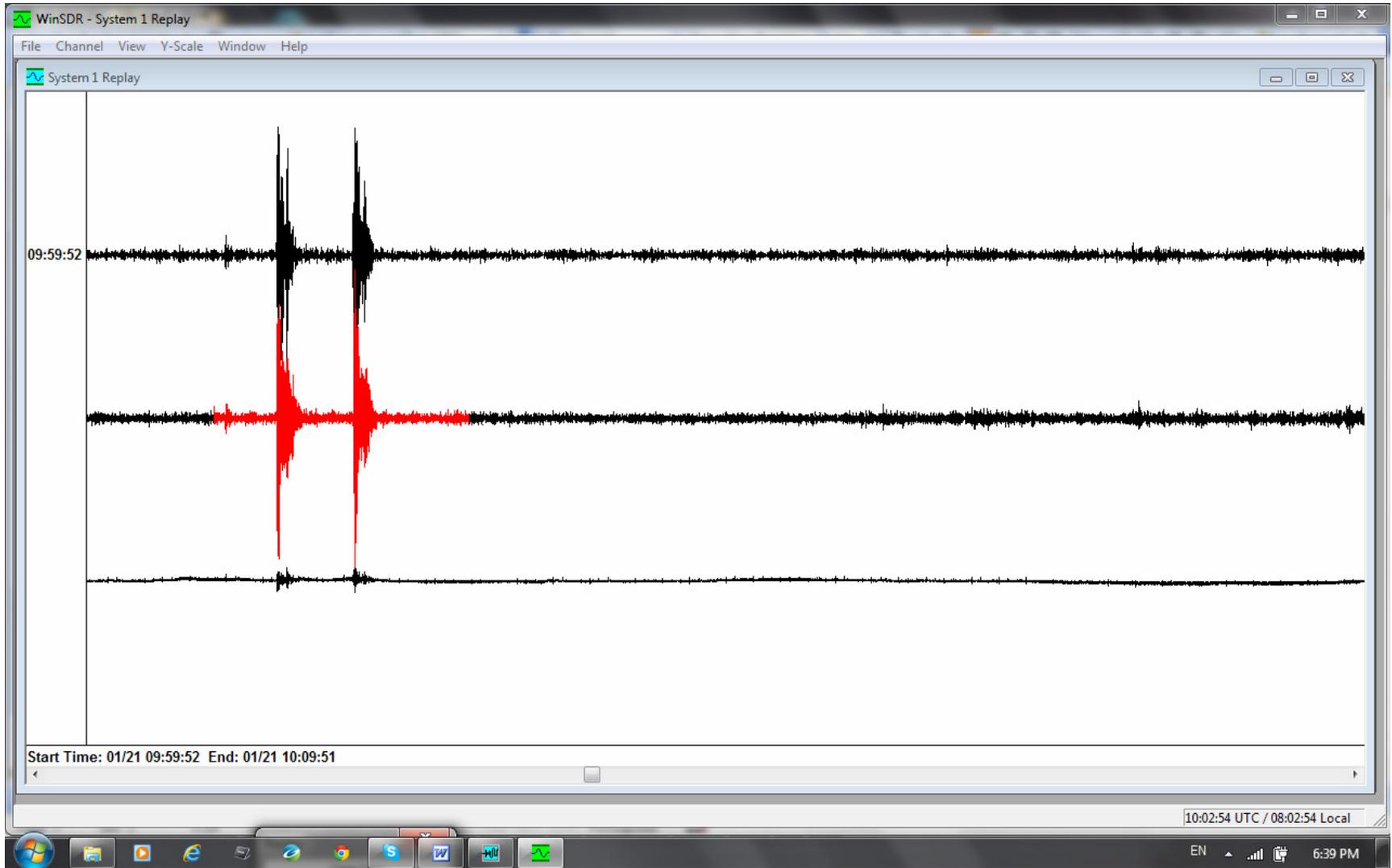
Evento 5



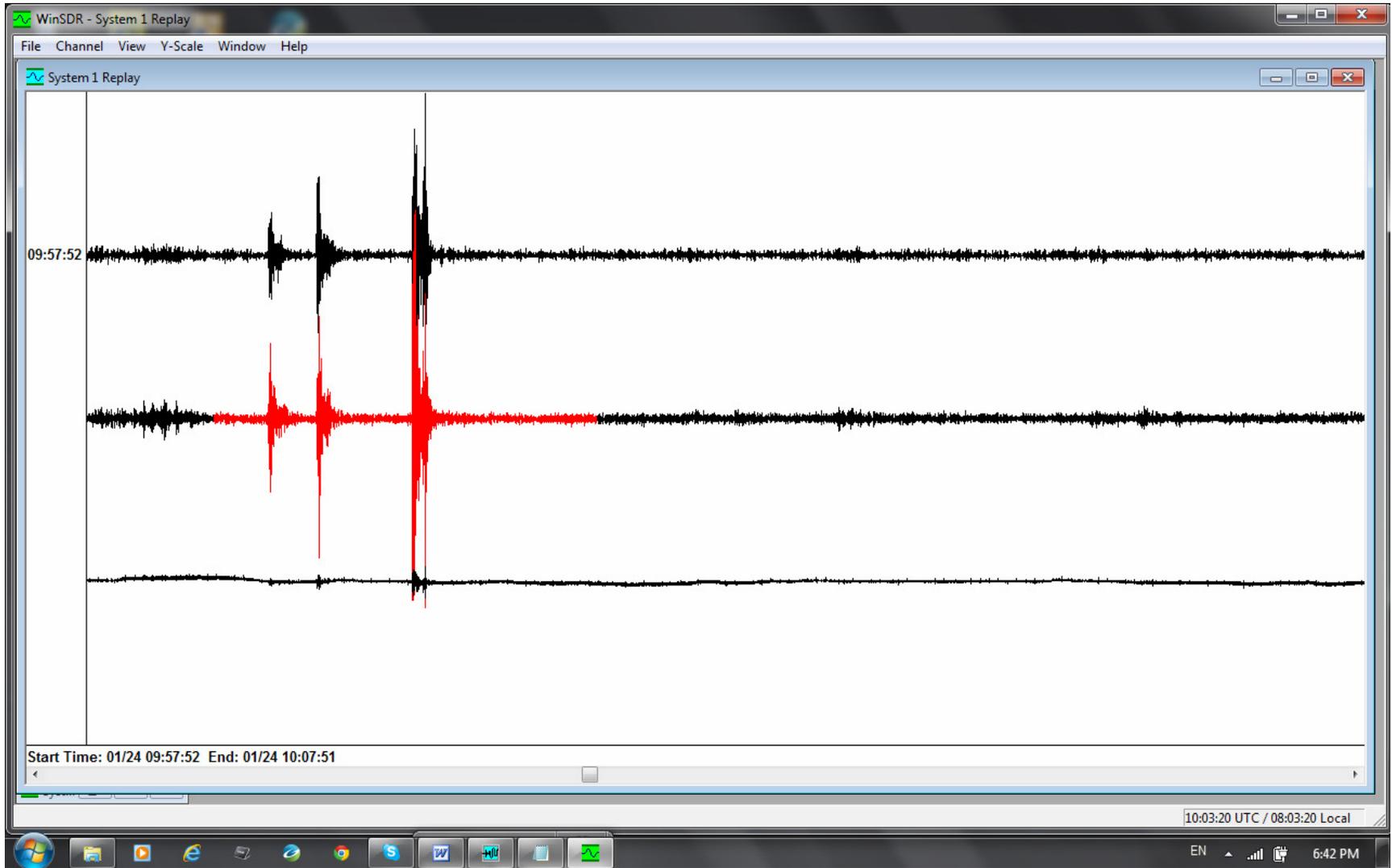
Evento 6



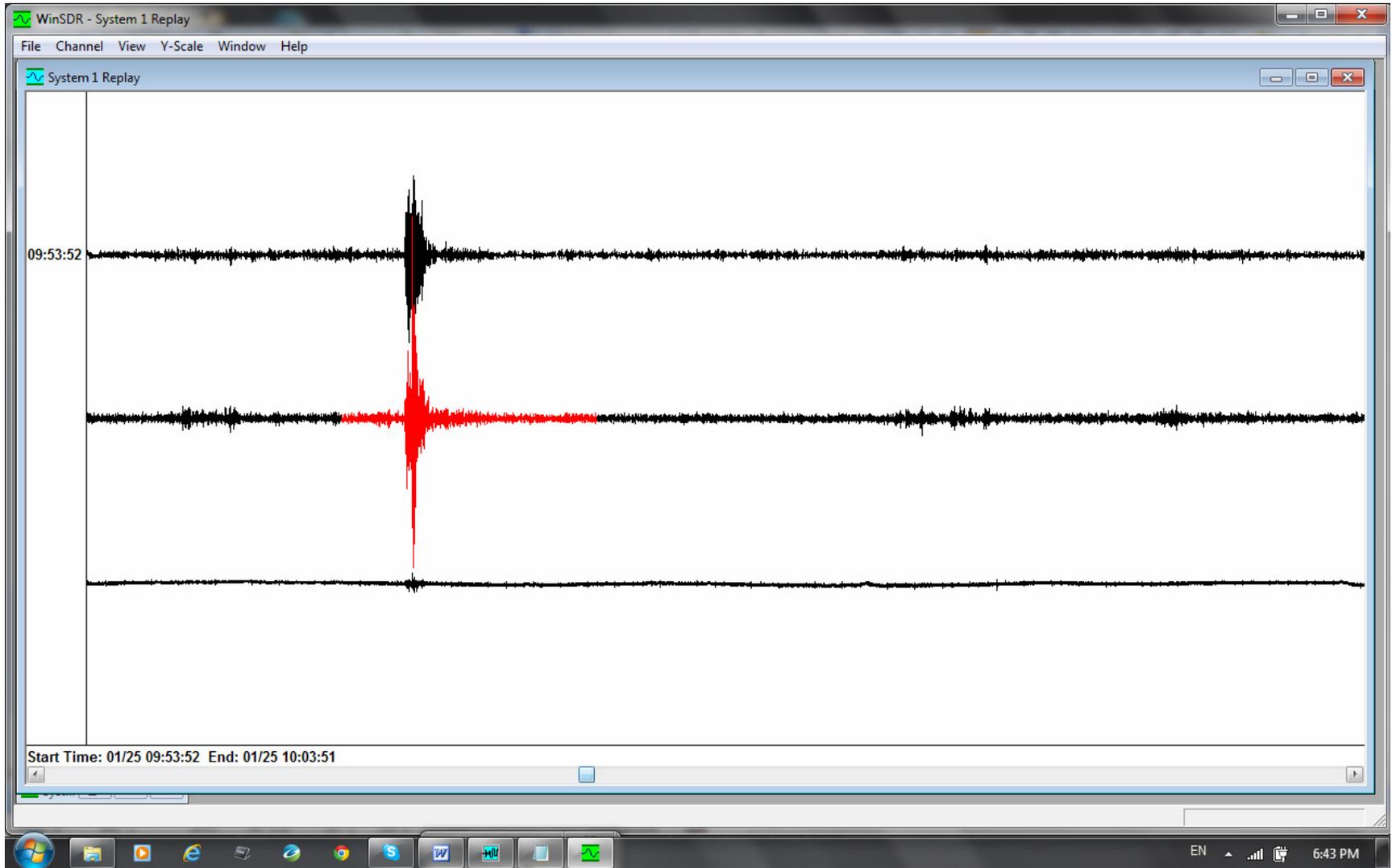
Evento 7



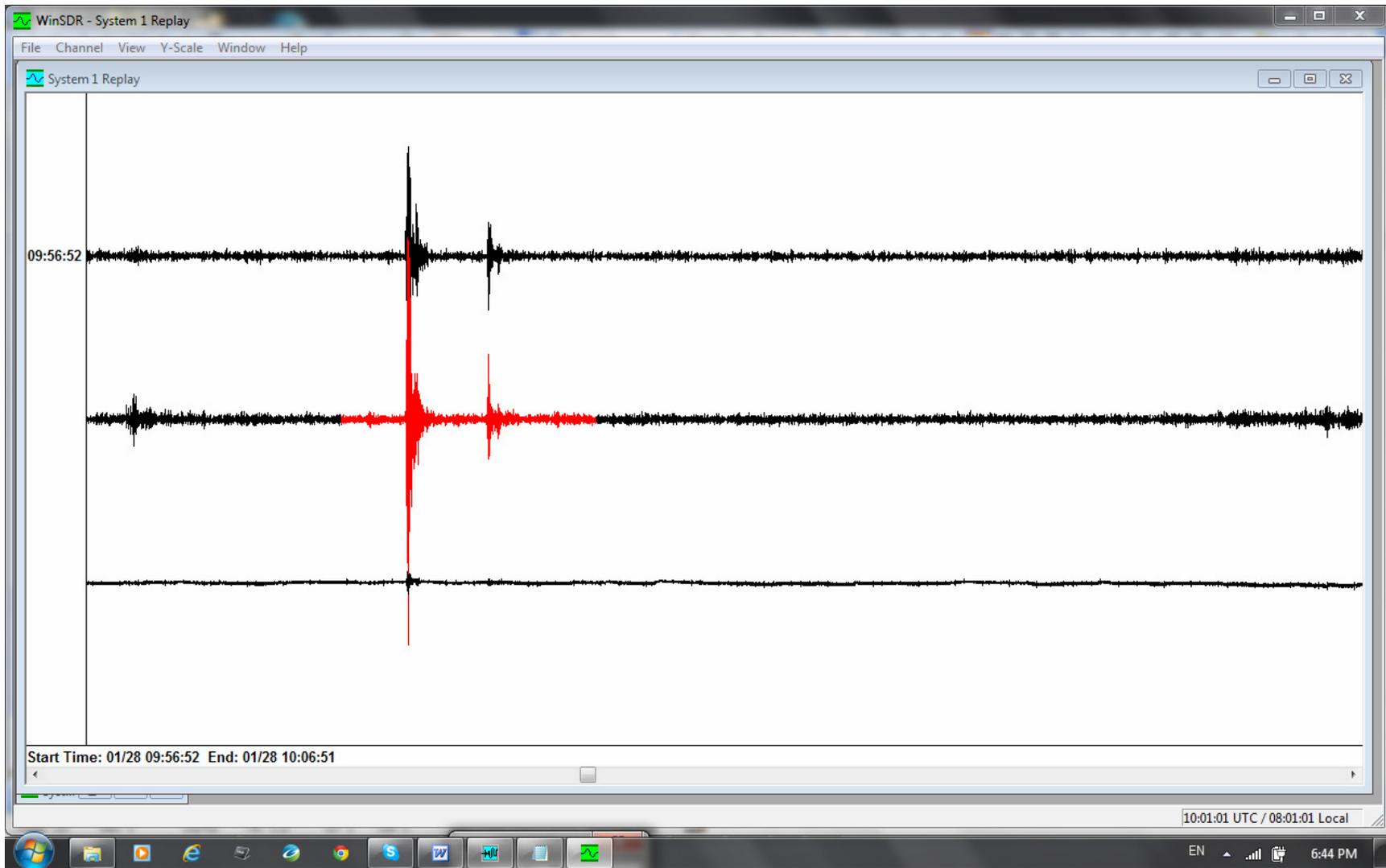
Evento 8



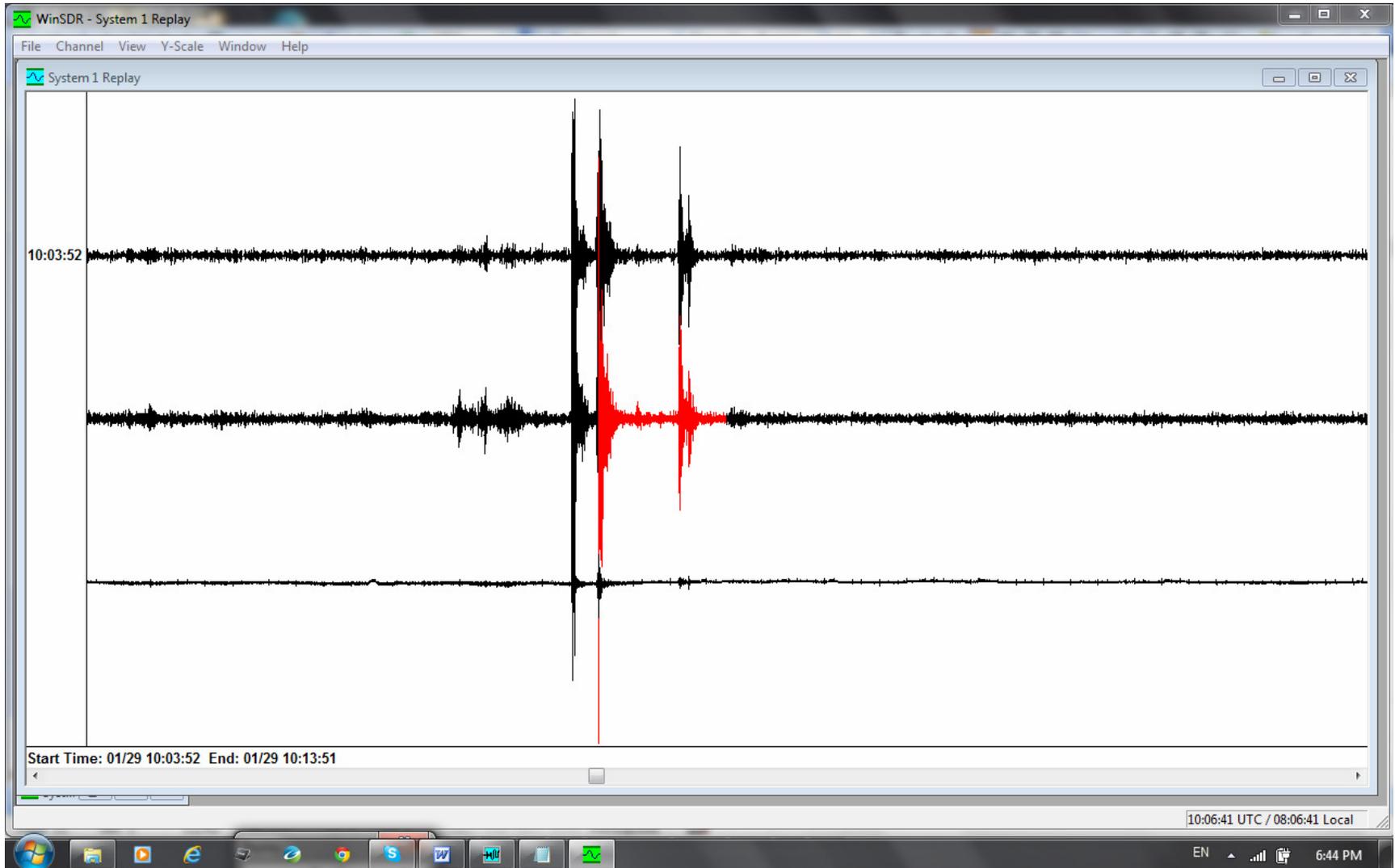
Evento 9



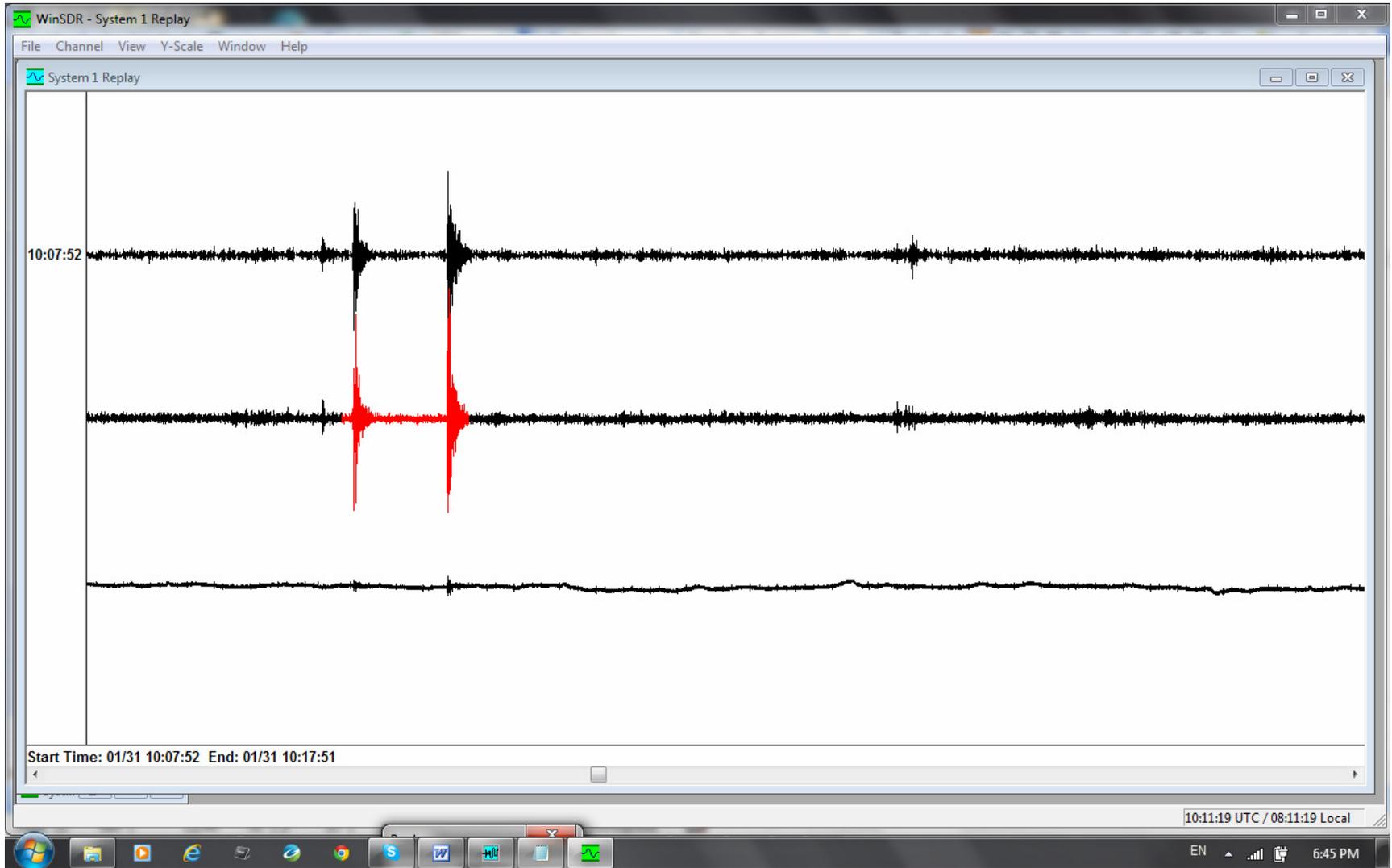
Evento 10



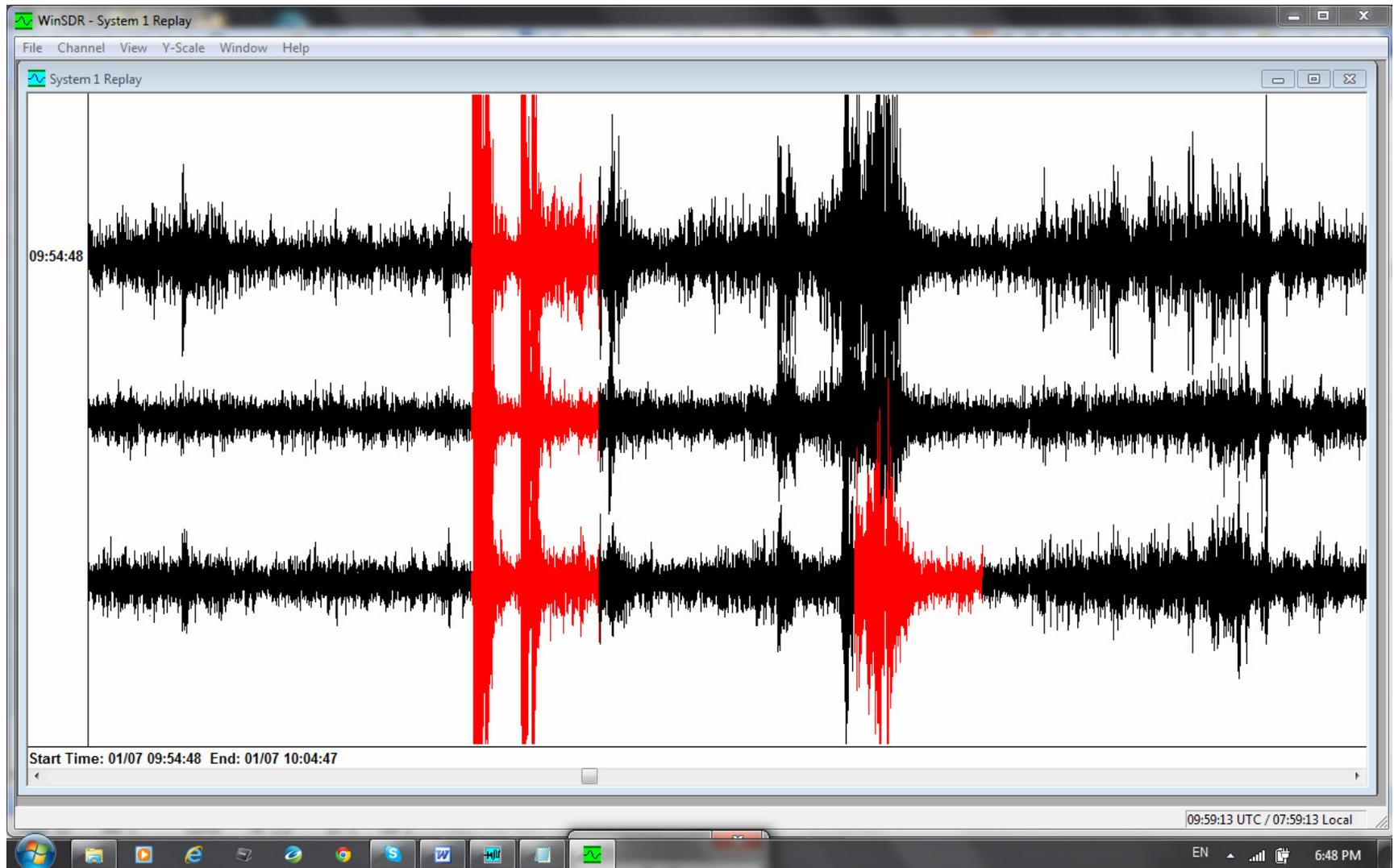
Evento 11



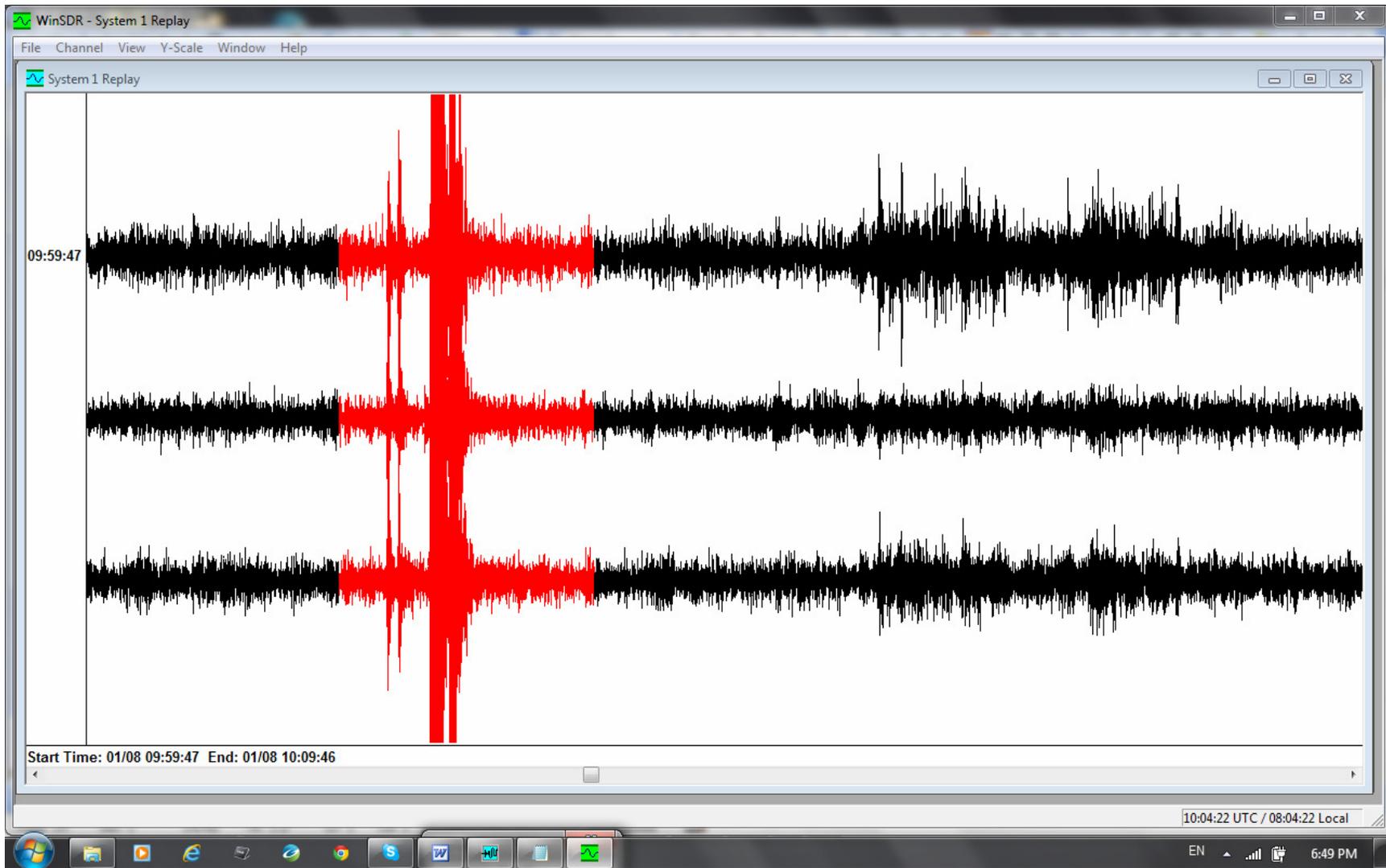
Evento 12



Evento 13



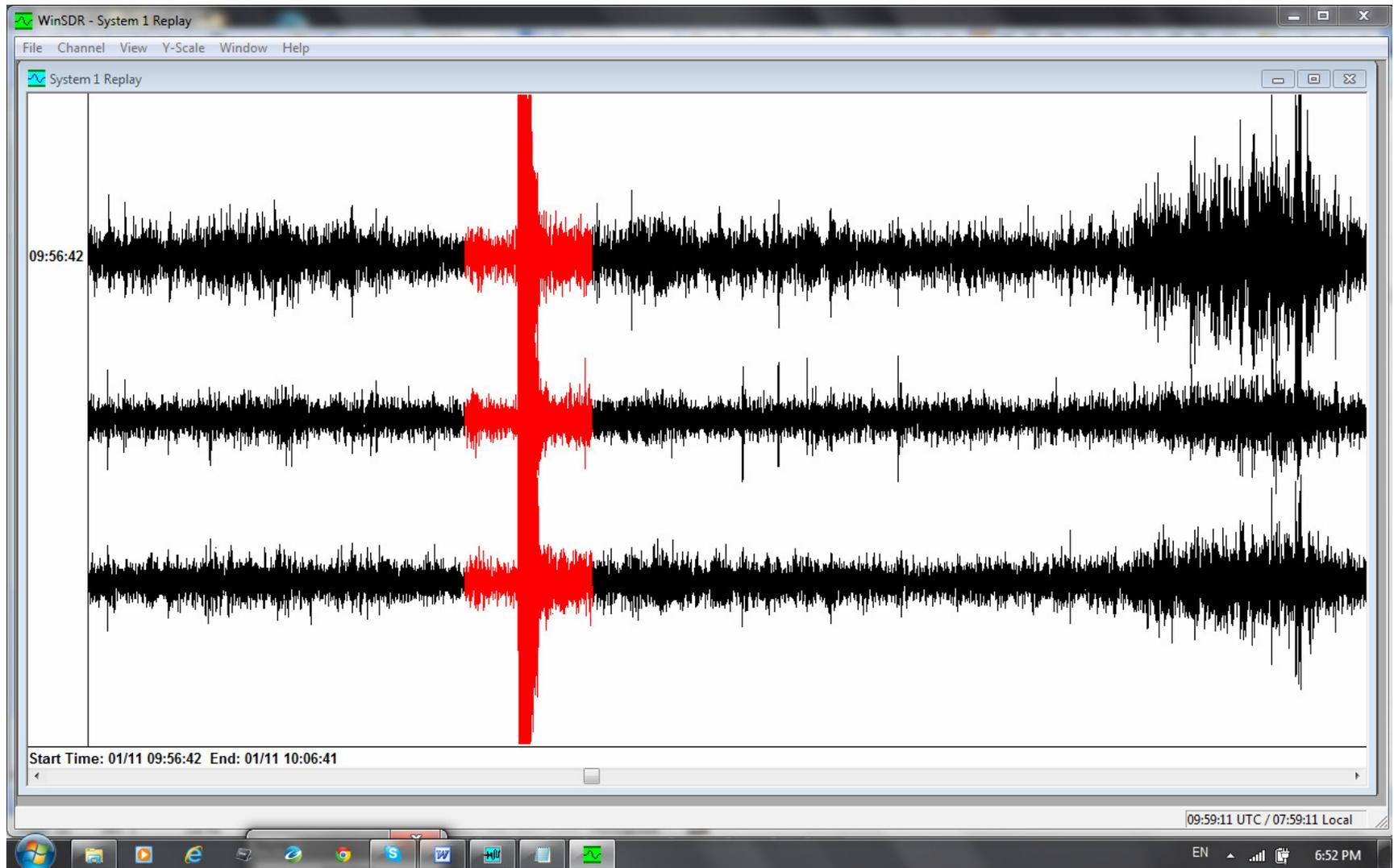
Evento 1



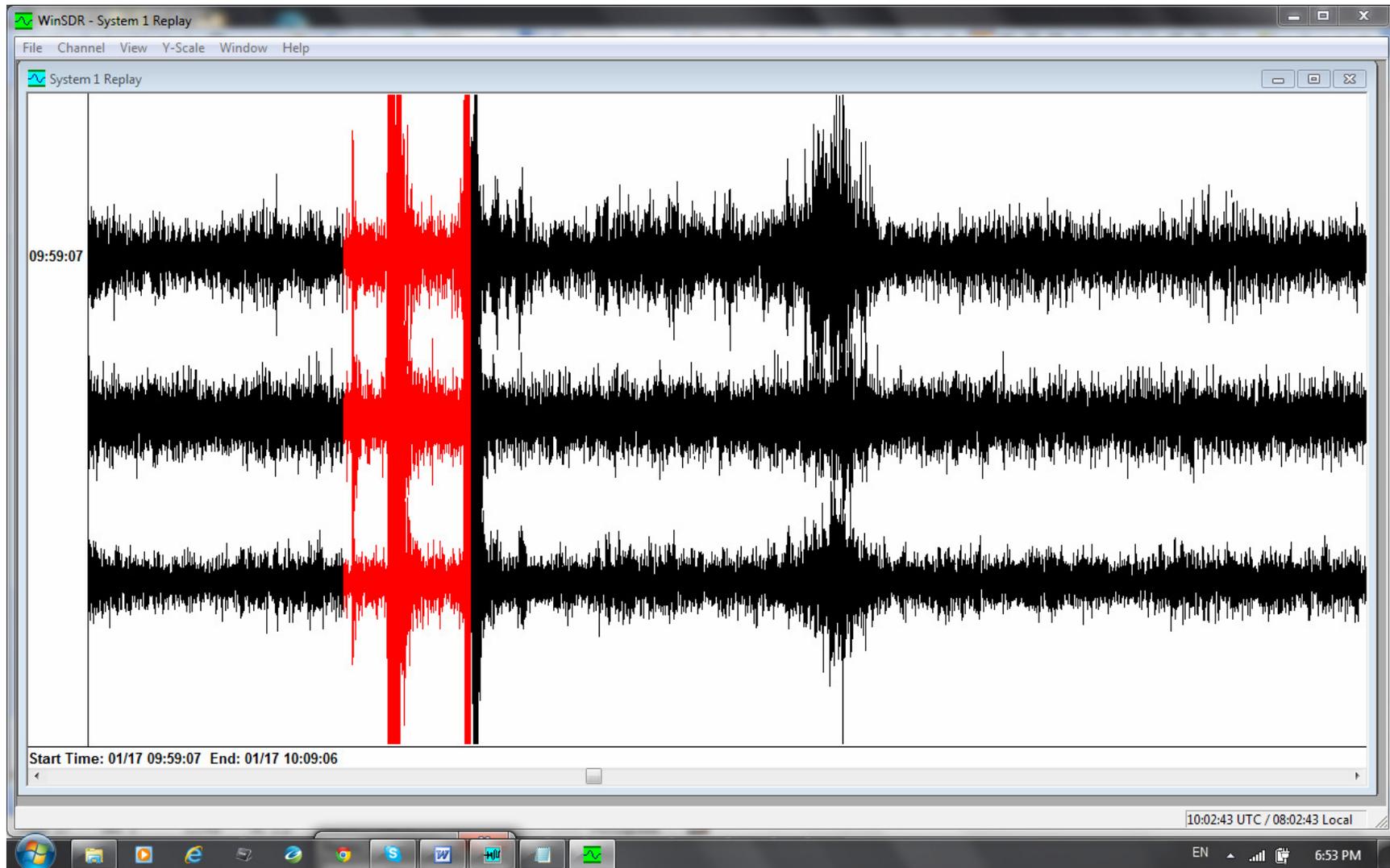
Evento 2



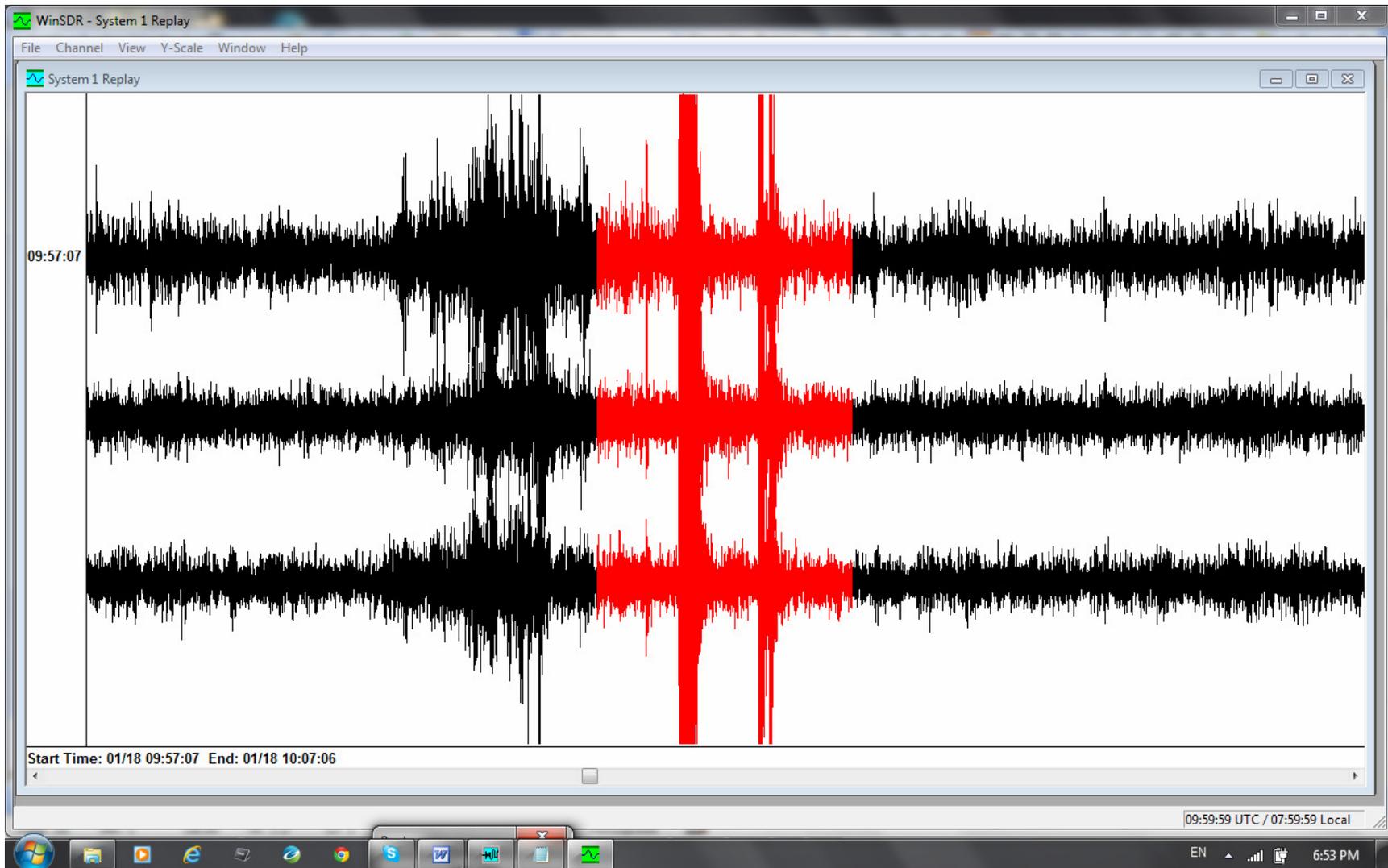
Evento 3



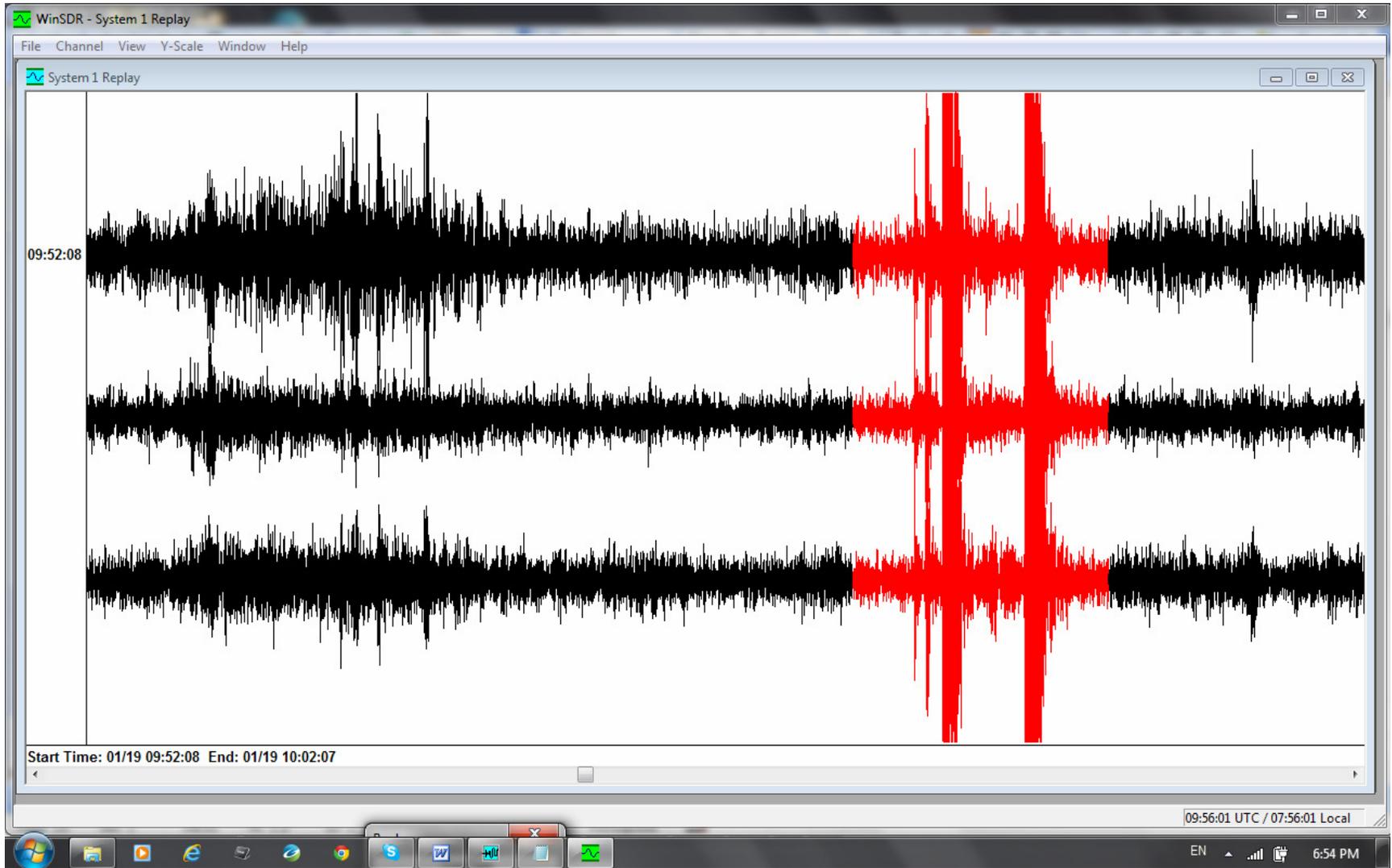
Evento 4



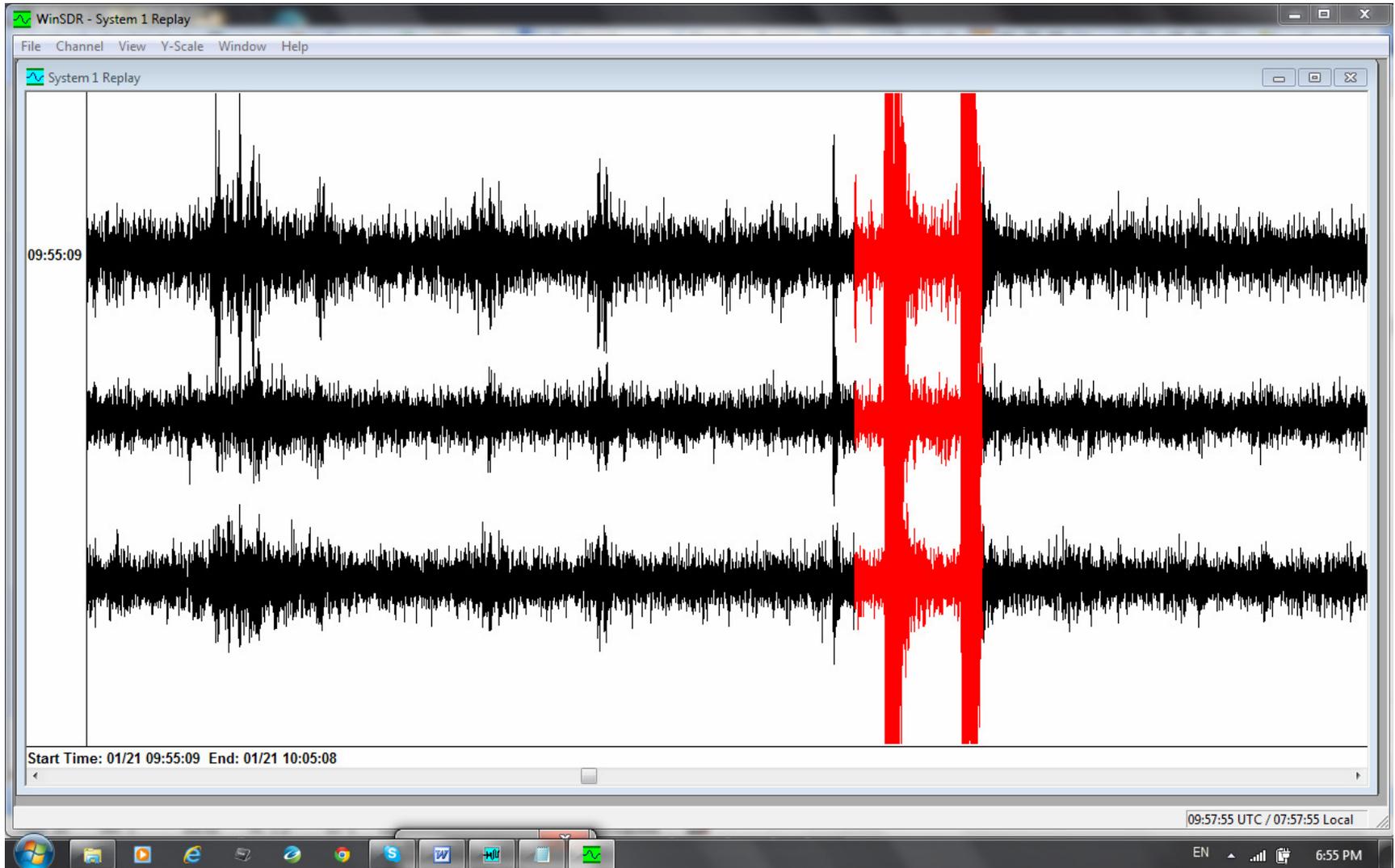
Evento 5



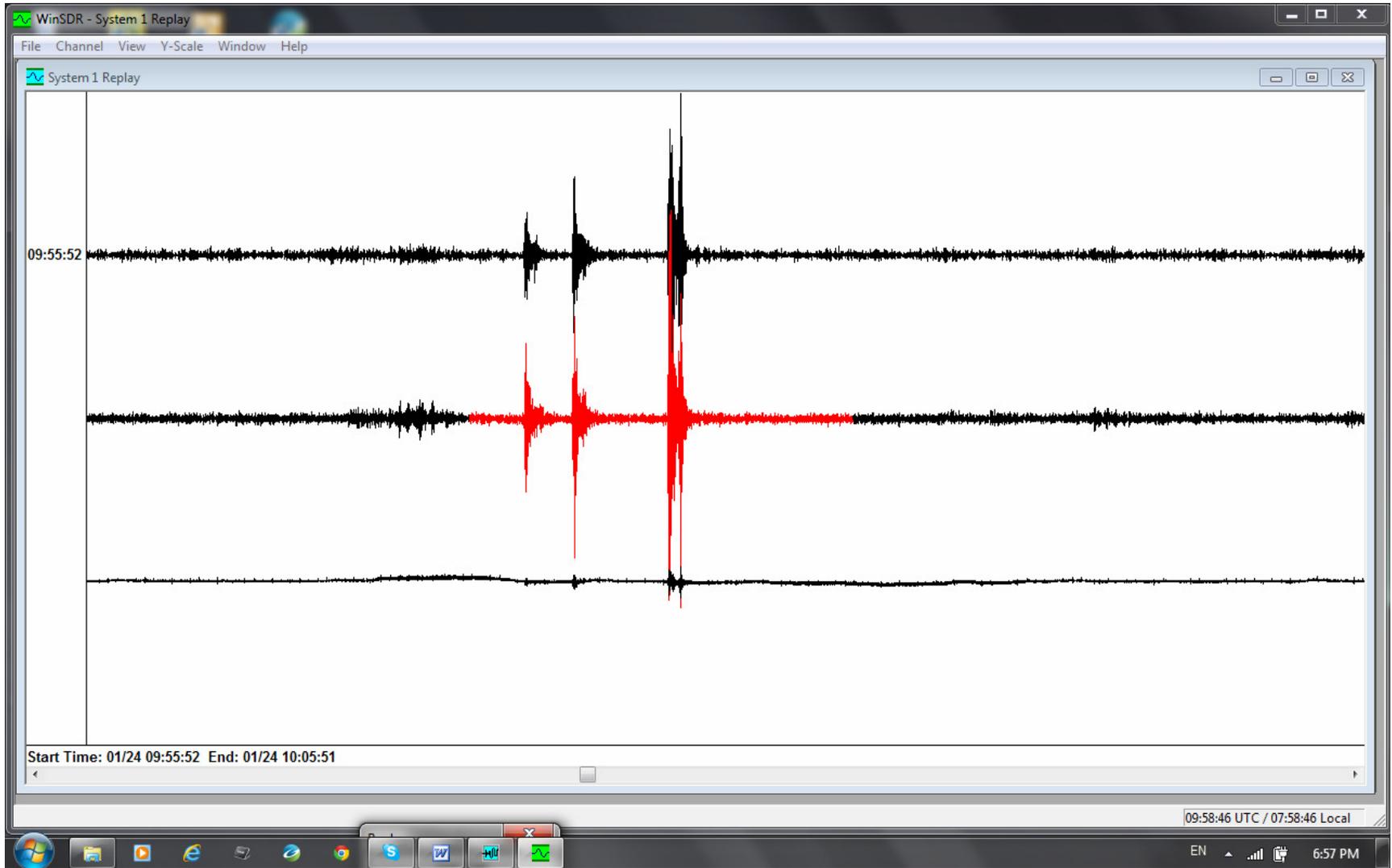
Evento 6



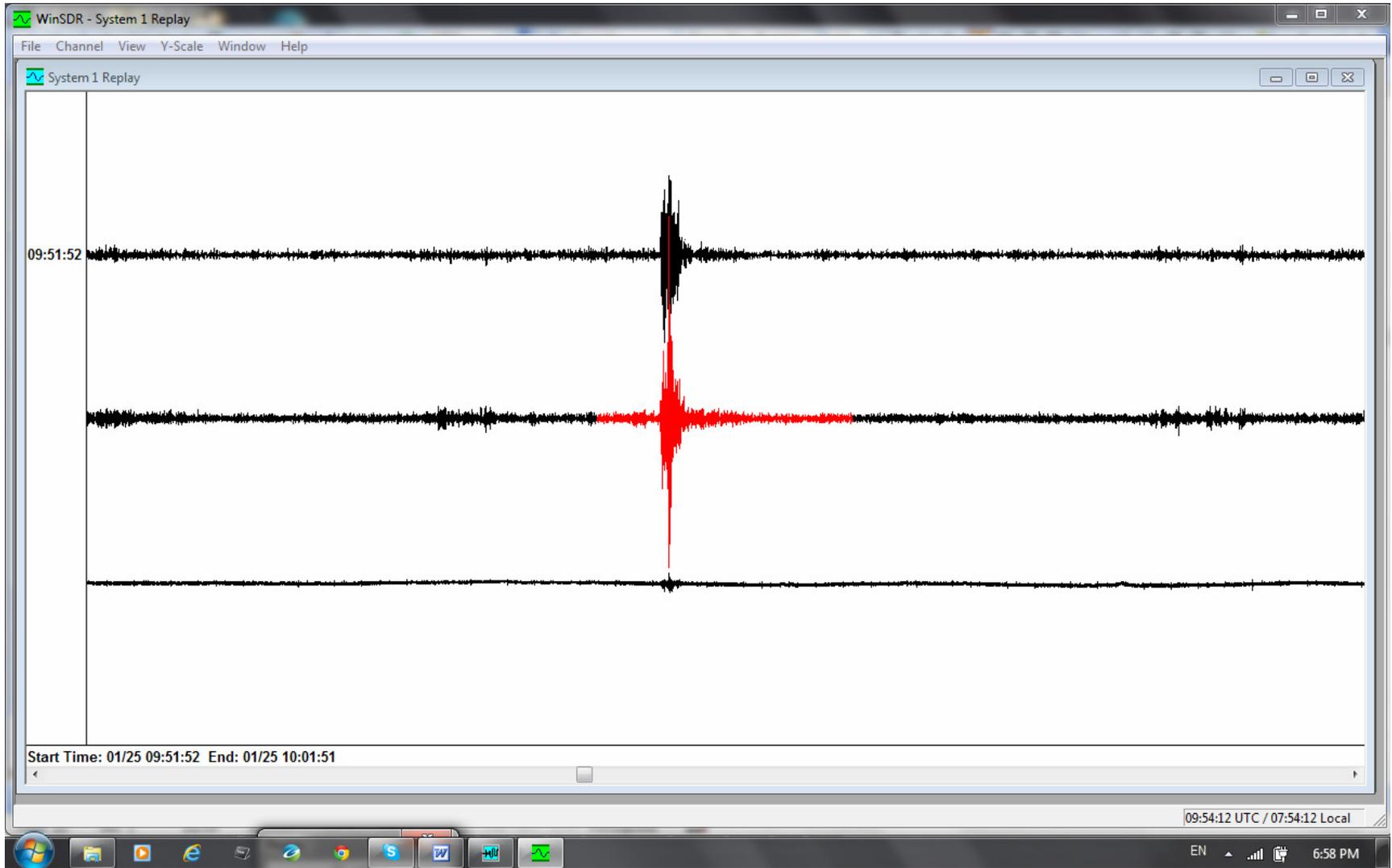
Evento 7



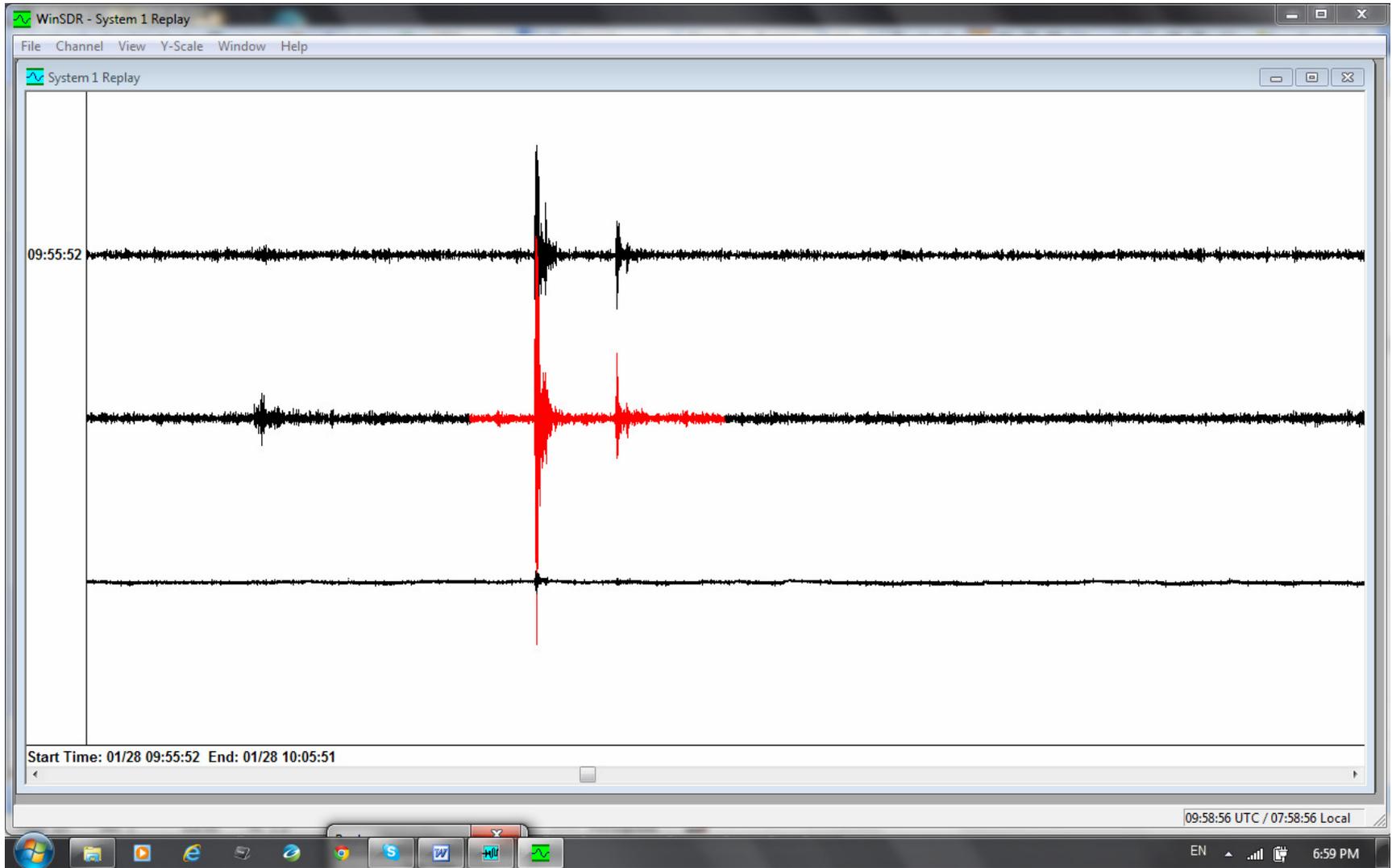
Evento 8



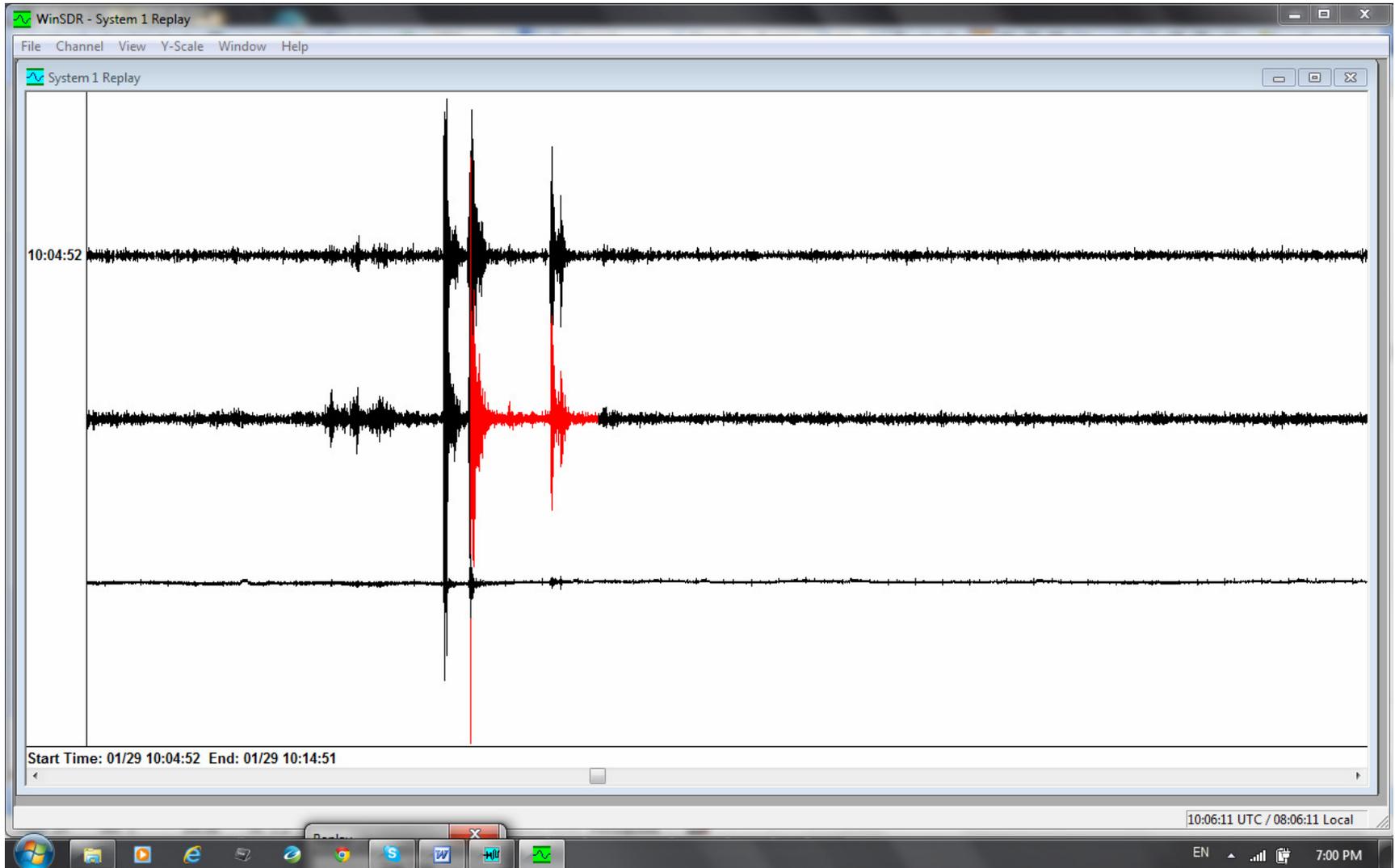
Evento 9



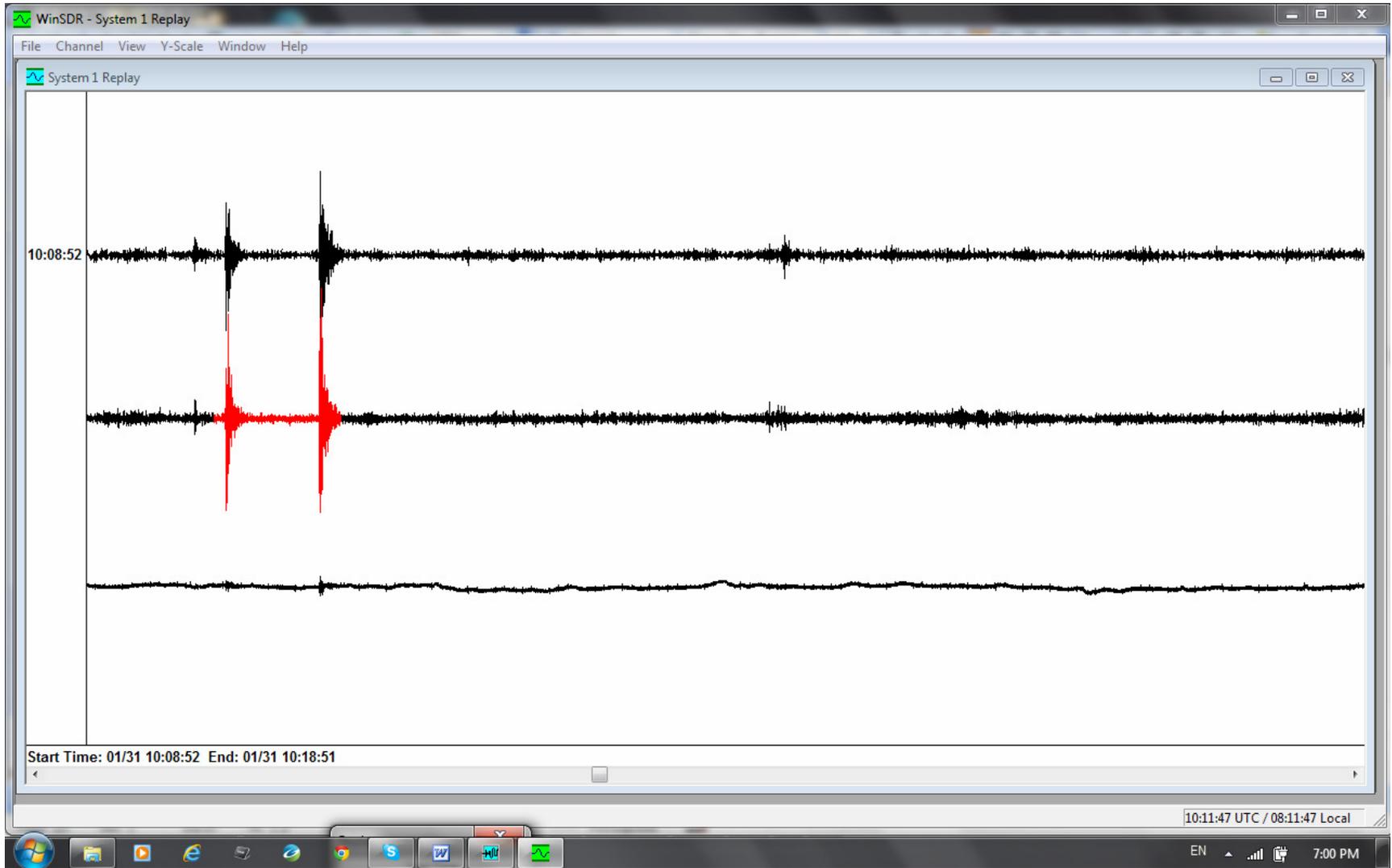
Evento 10



Evento 11



Evento 12



Evento 13

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

**Janeiro
2012**

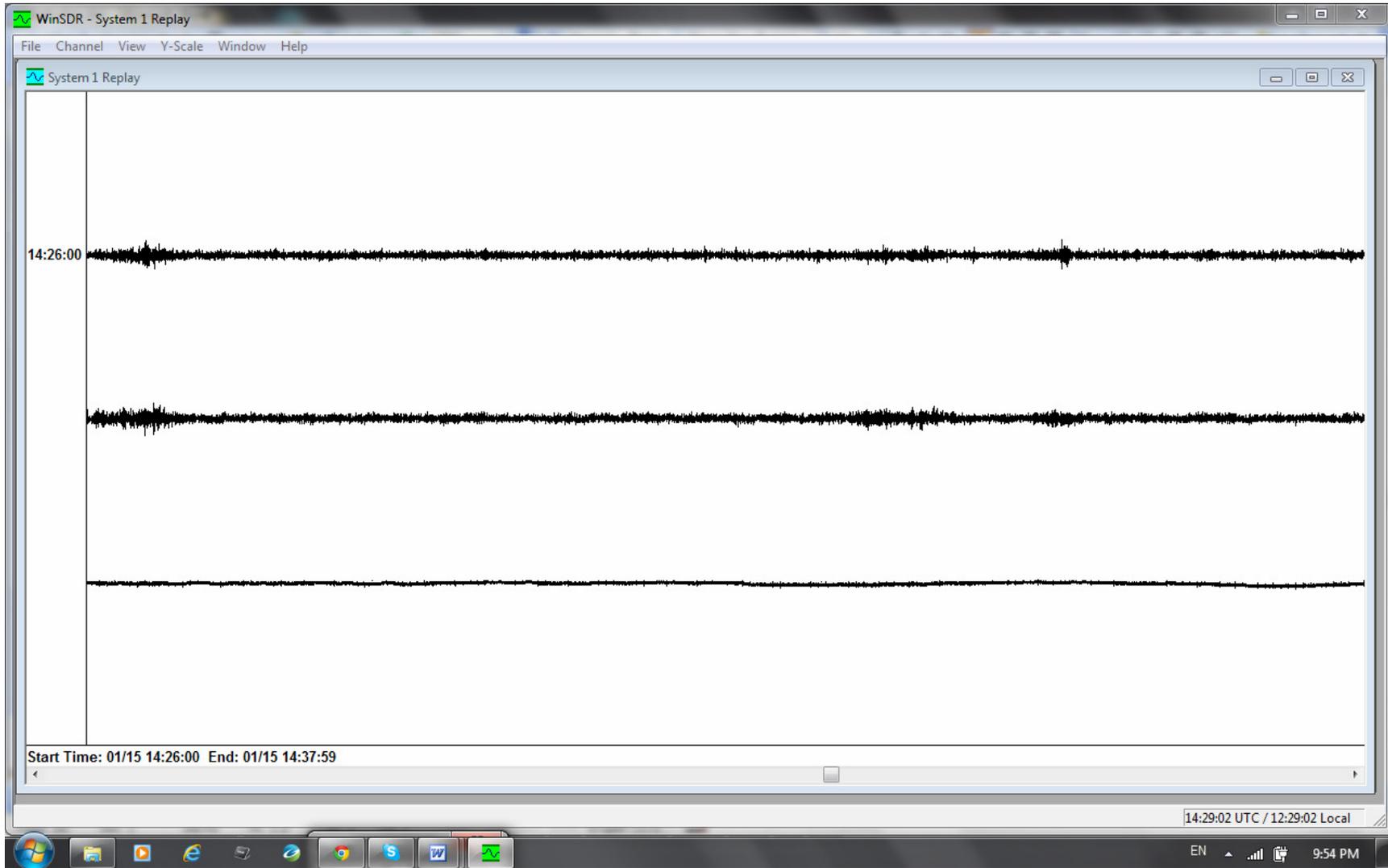
Registros da Estação SANT1



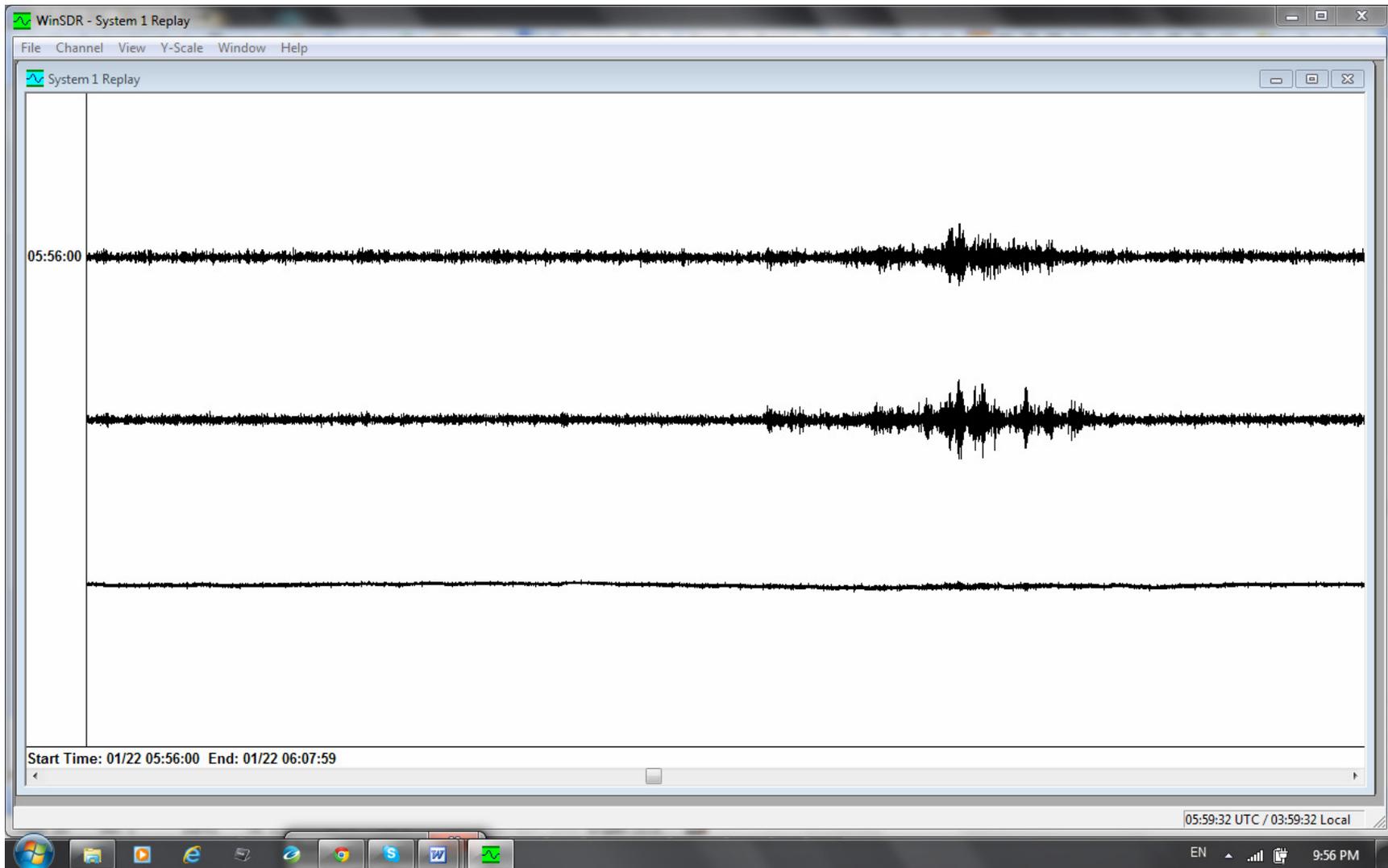
PDE-Q 2012 01 10 183658.18 2.42 93.17 13 7.2 MwWCMT (registro do sensor instalado fora do poço)



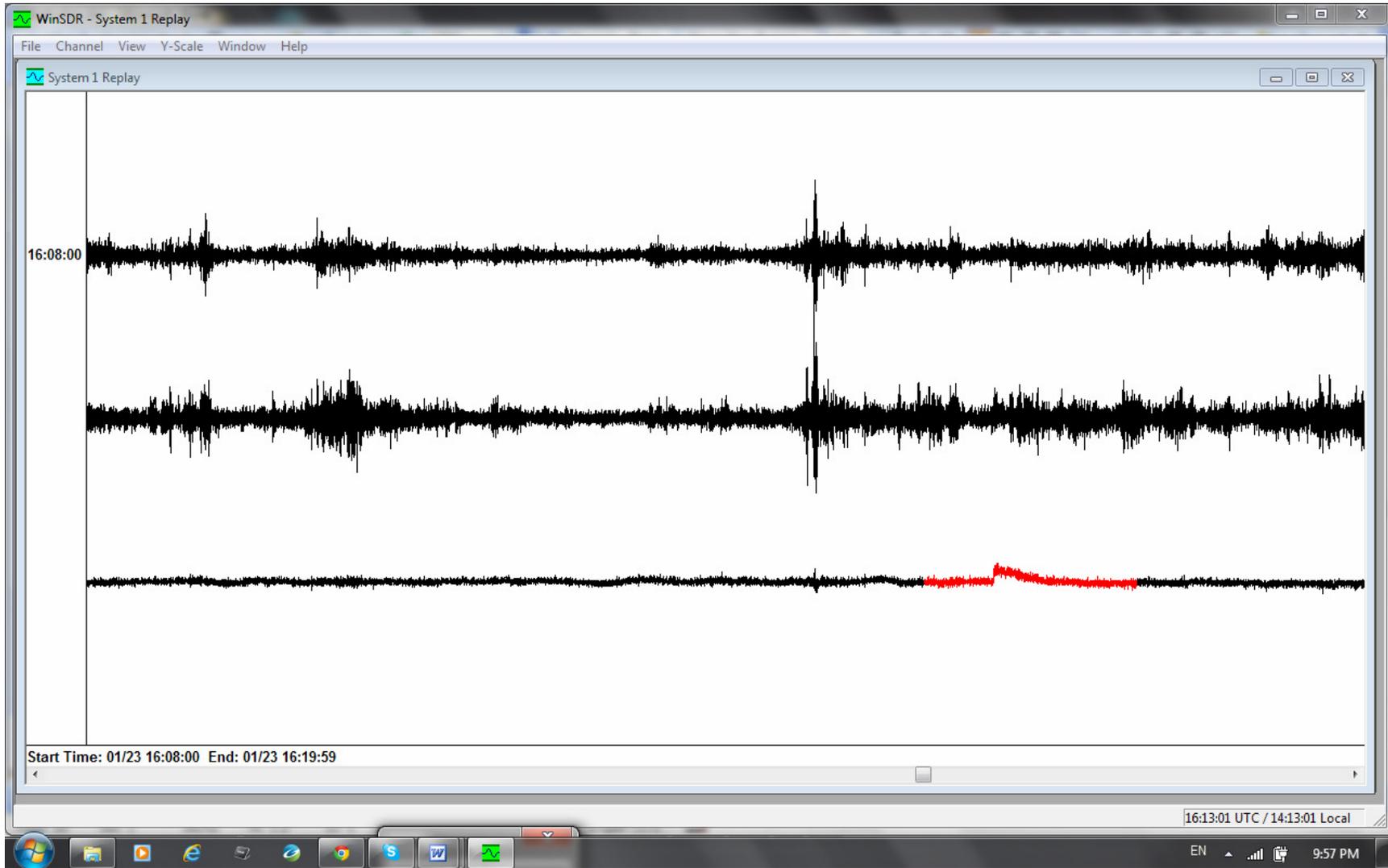
PDE-Q 2012 01 15 134019.52 -60.95 -56.11 8 6.6 MwWCMT (todos os demais registros de telessismos compilados neste relatório são oriundos do equipamento com sensor instalado dentro do poço da estação SANT1).



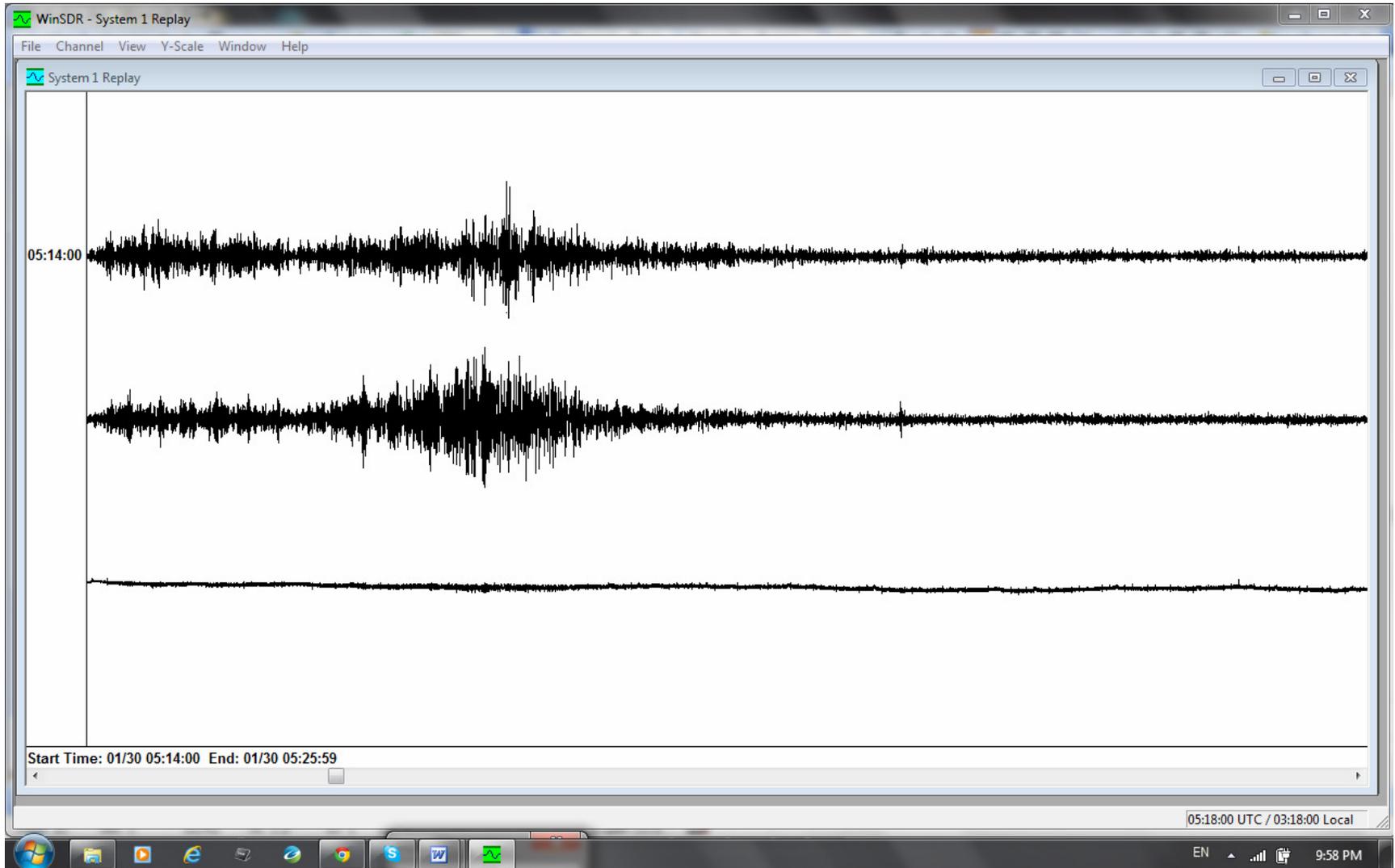
PDE-Q 2012 01 15 142131.36 -60.88 -55.97 10 6.0 MwGCMT



PDE-Q 2012 01 22 055342.26 -56.75 -25.22 13 6.0 MwWCMT



PDE-Q 2012 01 23 160452.98 -36.41 -73.03 20 6.2 MwUCMT



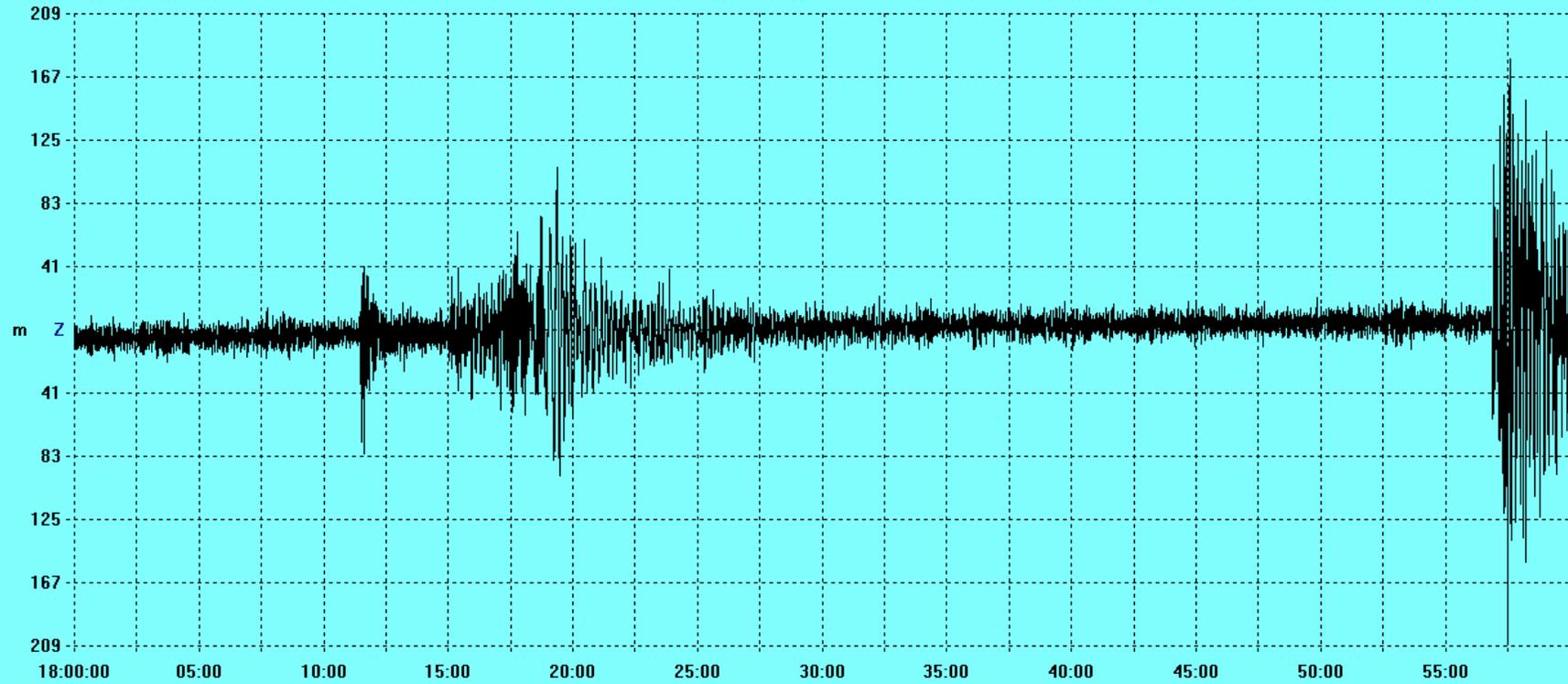
PDE-Q 2012 01 30 051101.04 -14.15 -75.61 42 6.4 MwWCMT

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

**Janeiro
2012**

Registros da Estação SAML

Start: 1/10/12 17:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 72001 SPS: 20
X: 59:59.0 Y: 210m Max/Min: 5329/-6215 Peak: 209.5 m/sec



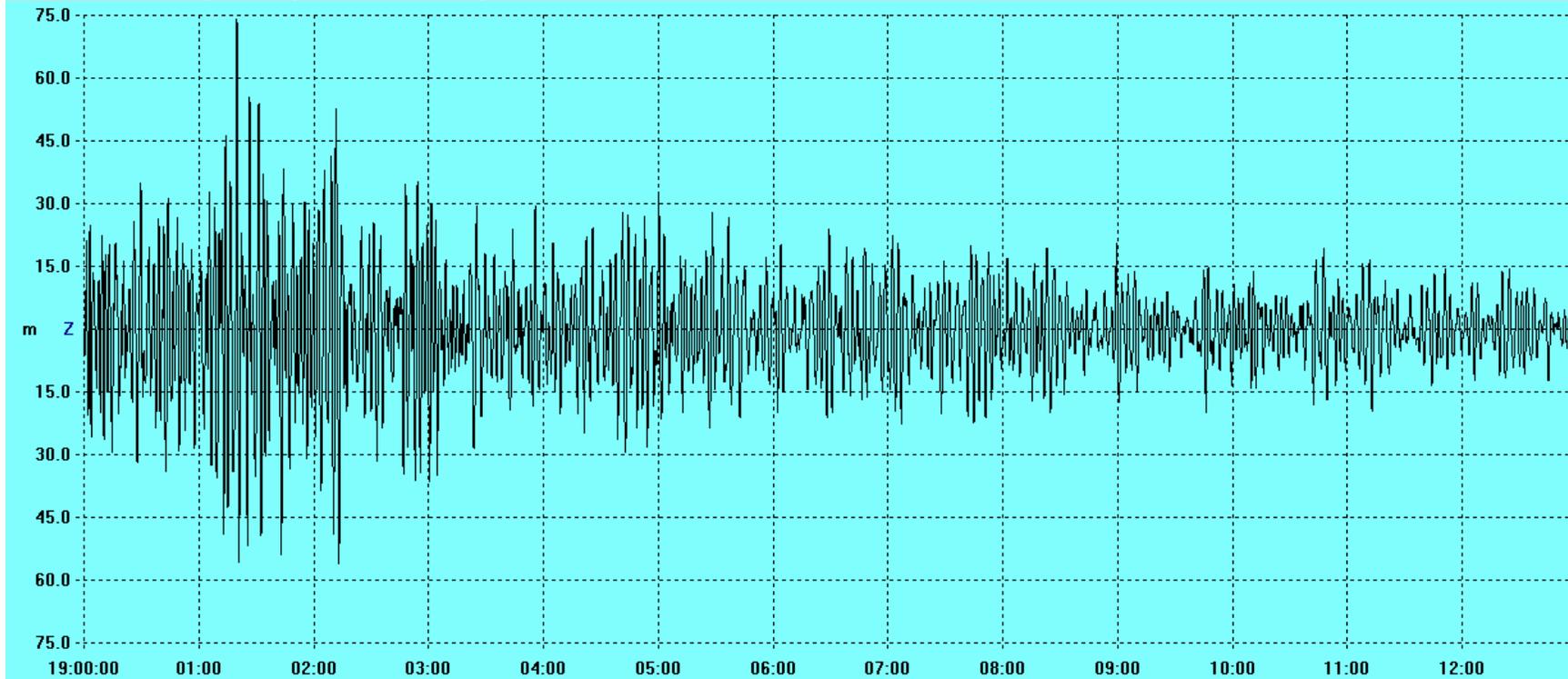
PDE-Q 2012 01 10 183658.18 2.42 93.17 13 7.2 MwWCMT

Evento precedido de outro telessismo, de magnitude inferior. Sismograma não filtrado.

Hora consecutiva à do sismograma acima:

Start: 1/10/12 18:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 15549 SPS: 20

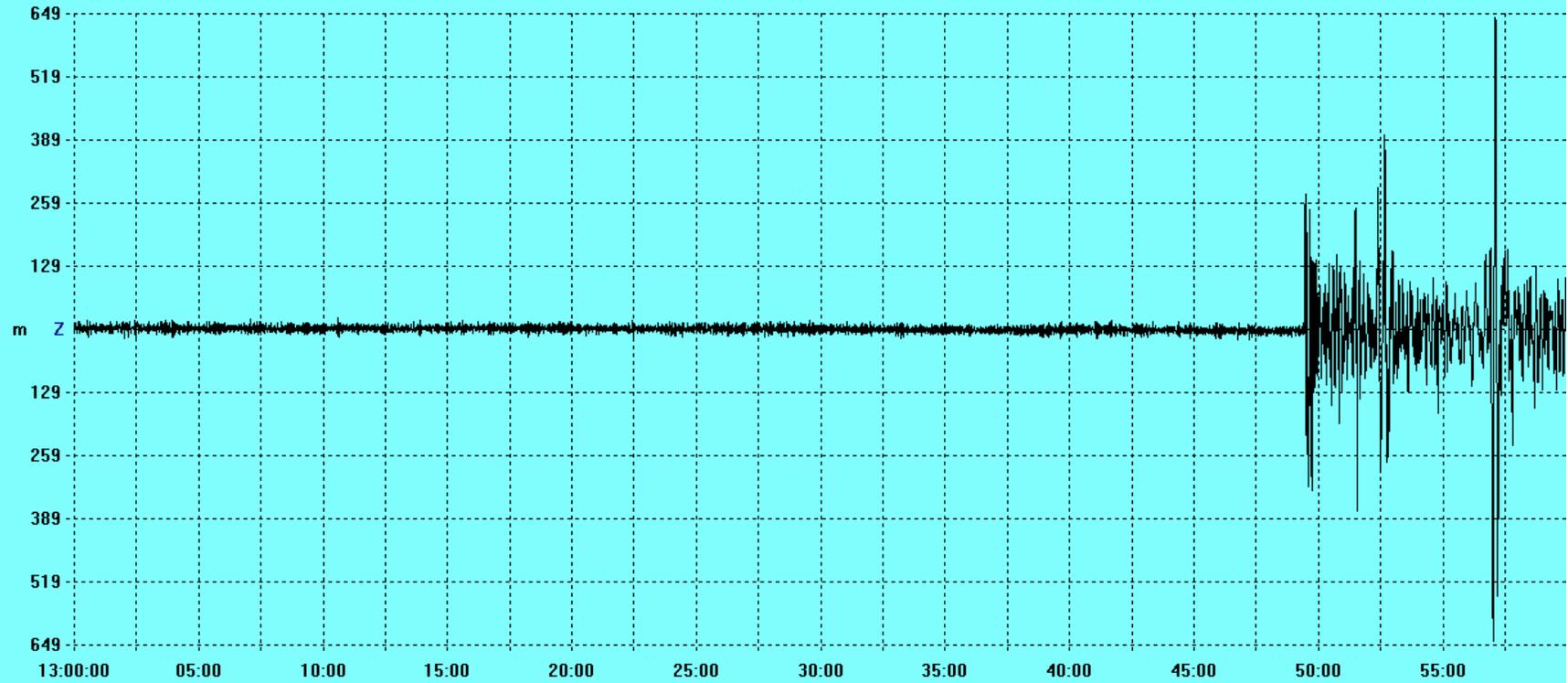
X: 12:56.0 Y: 75m Max/Min: 2195/-1663 Peak: 74.01 m/sec



PDE-Q 2012 01 10 183658.18 2.42 93.17 13 7.2 MwWCMT

Sismograma filtrado (bandpass, entre 0.3 e 1.0 Hz).

Start: 1/15/12 12:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 72001 SPS: 20
X: 59:59.0 Y: 650m Max/Min: 19061/-19085 Peak: 643.3 m/sec

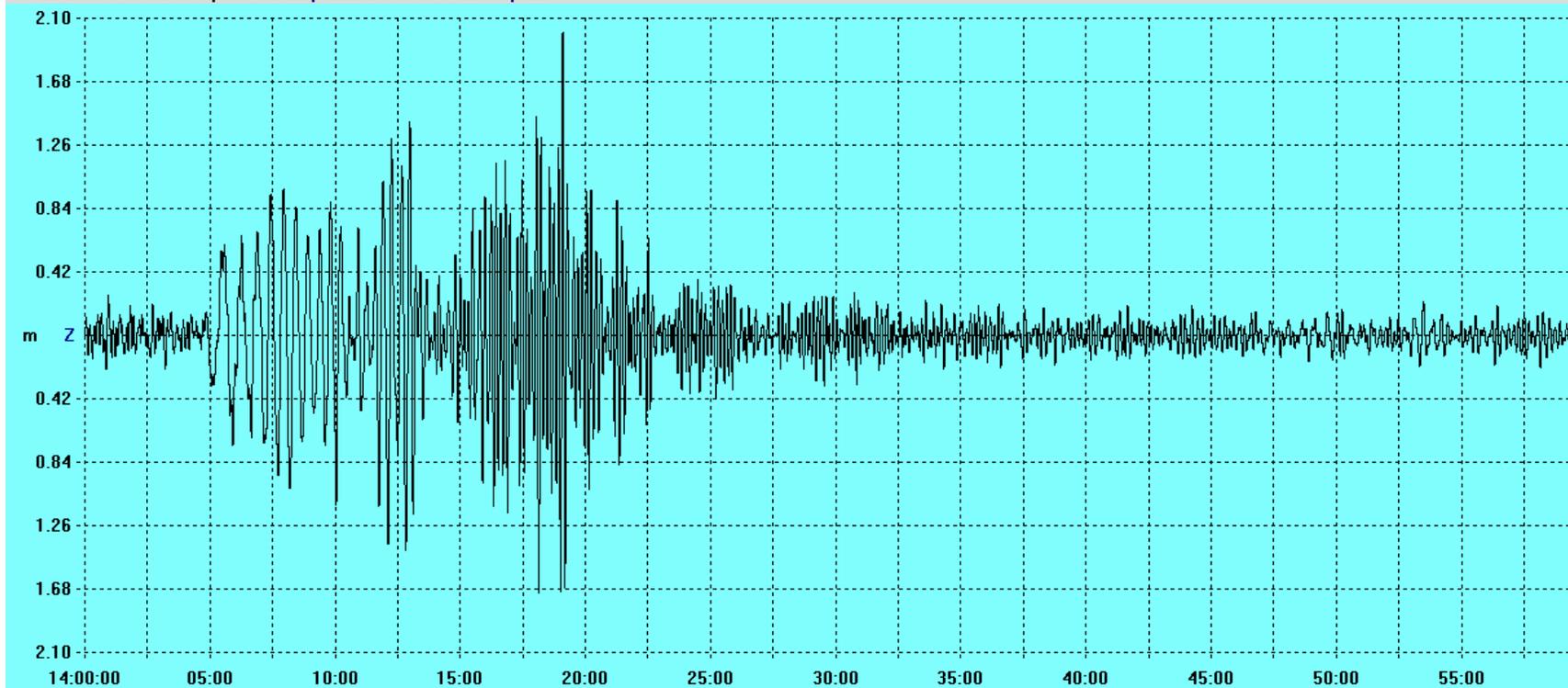


PDE-Q 2012 01 15 134019.52 -60.95 -56.11 8 6.6 MwWCMT

Sismograma não filtrado.

Hora consecutiva à do sismograma acima:

Start: 1/15/12 13:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 72001 SPS: 20
X: 59:59.0 Y: 2.1m Max/Min: 59485/-50666 Peak: 2.005 m/sec

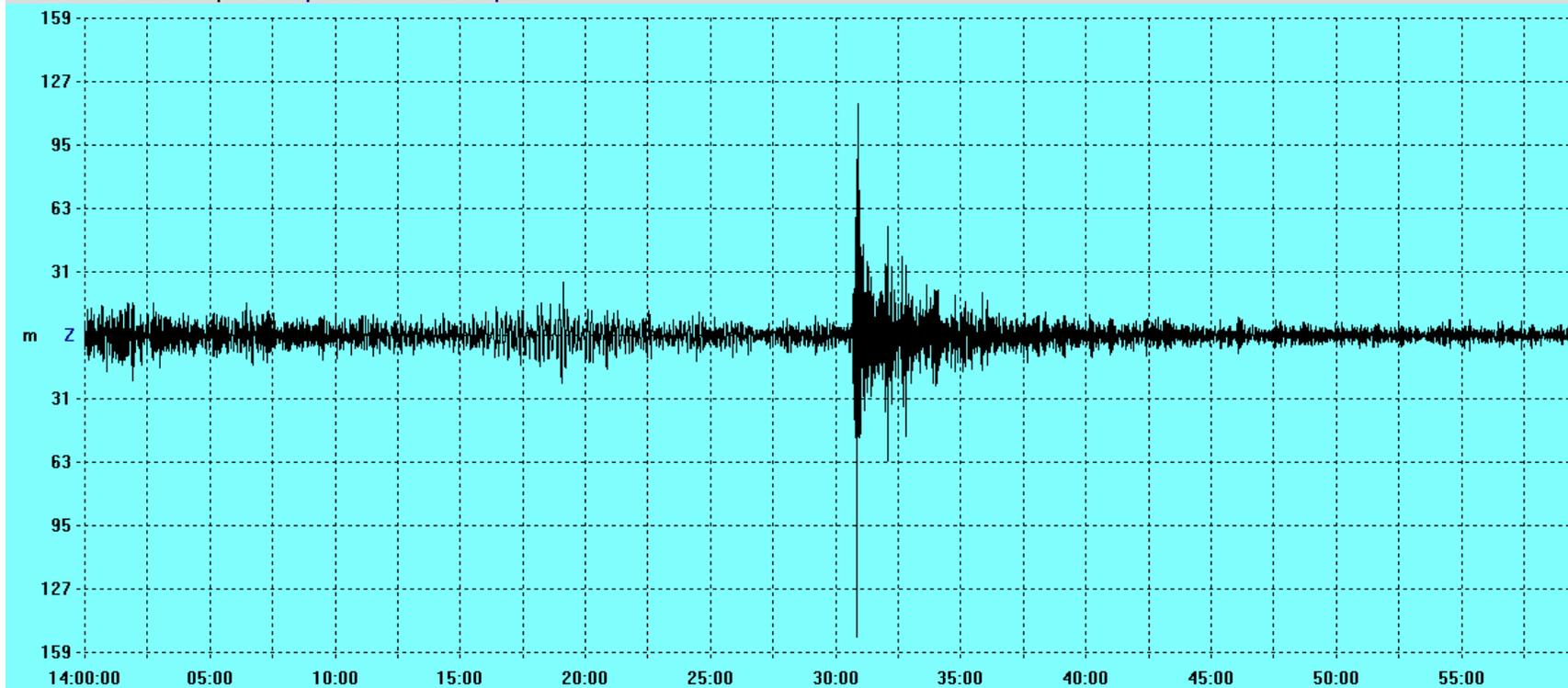


PDE-Q 2012 01 15 134019.52 -60.95 -56.11 8 6.6 MwWCMT

Sismograma não filtrado.

Versão filtrada do sismograma acima:

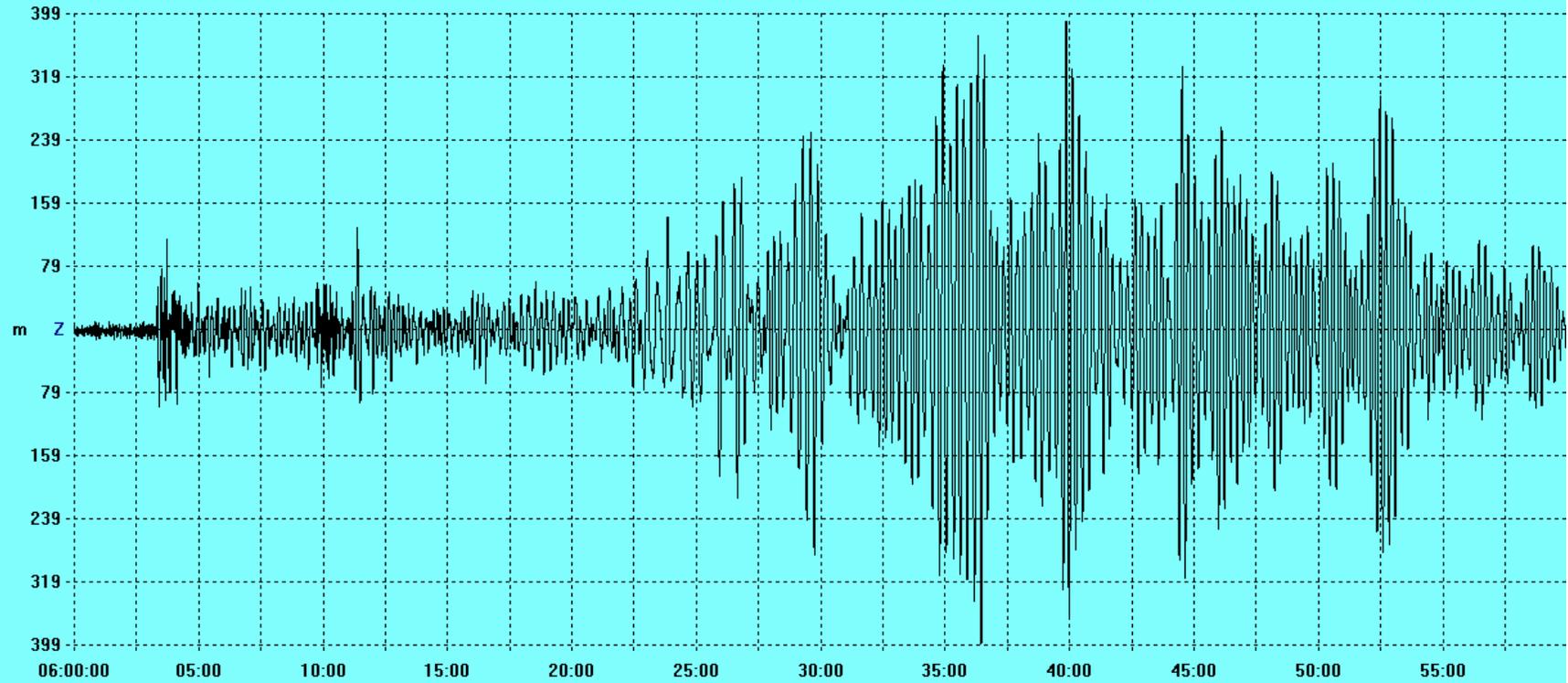
Start: 1/15/12 13:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 72001 SPS: 20
X: 59:59.0 Y: 160m Max/Min: 3463/-4513 Peak: 152.1 m/sec



PDE-Q 2012 01 15 142131.36 -60.88 -55.97 10 6.0 MwGCMT

Sismograma filtrado (bandpass, entre 0.3 e 1.0 Hz).

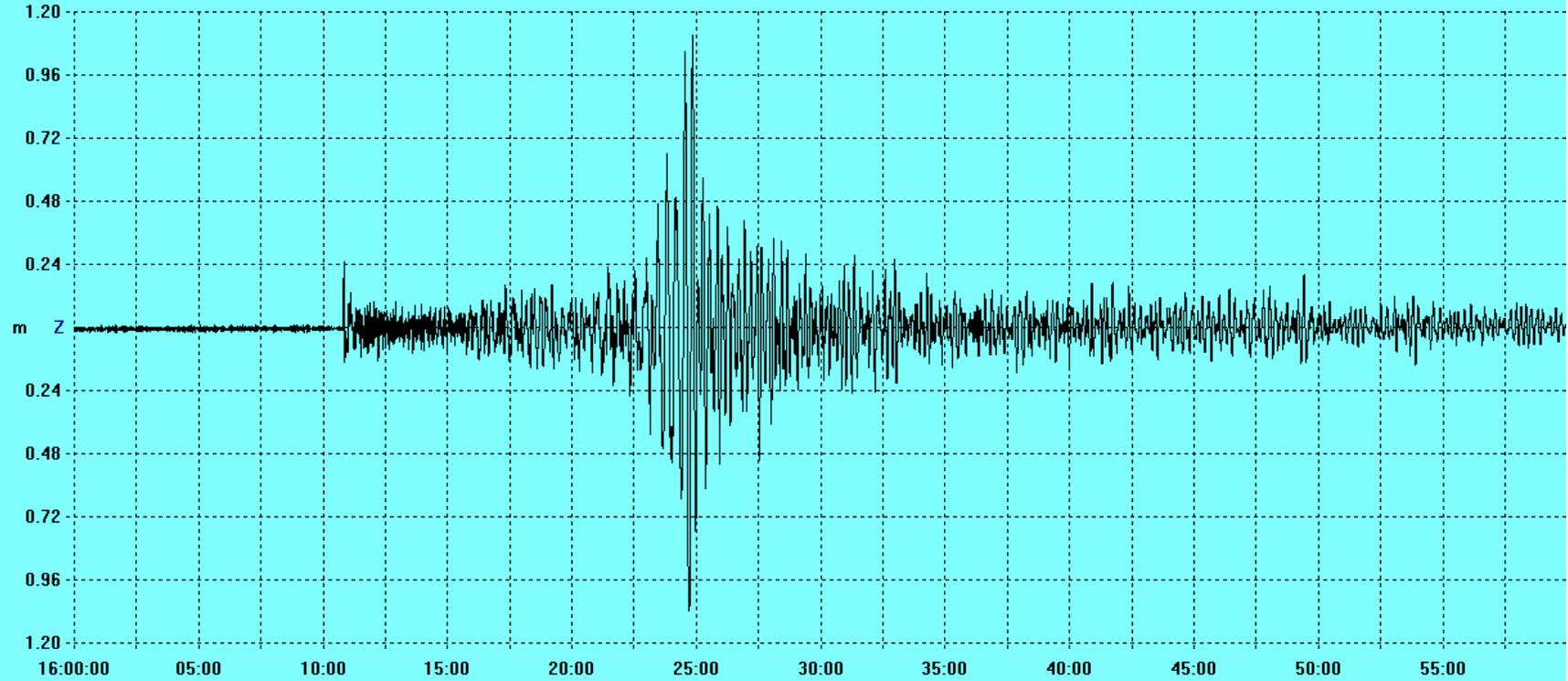
Start: 1/22/12 5:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 72001 SPS: 20
X: 59:59.0 Y: 400m Max/Min: 11565/-11806 Peak: 397.9 m/sec



PDE-Q 2012 01 22 055342.26 -56.75 -25.22 13 6.0 MwWCMT

O sismograma acima não foi filtrado.

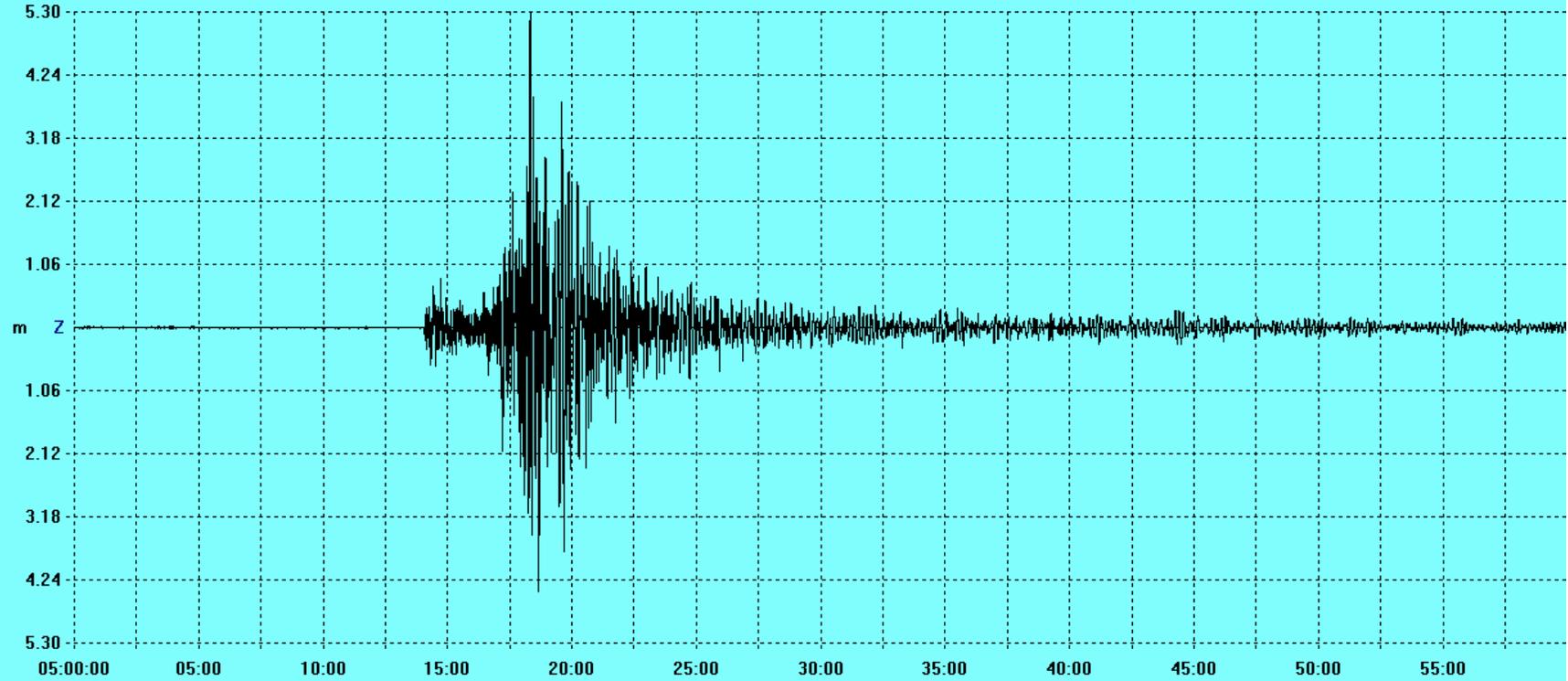
Start: 1/23/12 15:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 72001 SPS: 20
X: 59:59.0 Y: 1.2m Max/Min: 33043/-31925 Peak: 1.114 m/sec



PDE-Q 2012 01 23 160452.98 -36.41 -73.03 20 6.2 MwUCMT

O sismograma acima não foi filtrado.

Start: 1/30/12 4:59:59 UTC Station: SAML 8.9489S 63.1831W Samples: 72001 SPS: 20
X: 59:59.0 Y: 5.3m Max/Min: 157079/-131547 Peak: 5.294 m/sec



PDE-Q 2012 01 30 051101.04 -14.15 -75.61 42 6.4 MwWCMT

O sismograma acima não foi filtrado.