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FOR IMMEDIATE RELEASE

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3/8/2016

Alexandria VA - A magnitude-7.1 earthquake struck Chile on Jan. 2, 2011, or so scientists thought. Now, with increasing sensor sensitivity and advances in the quantitative analysis of earthquakes, scientists have revealed that this quake was actually a doublet. This meant that instead of just one massive quake, two similarly large earthquakes struck very near to one another within seconds.

The closely spaced doublet was missed by global monitoring networks during the initial aftermath of the quake, and, as EARTH Magazine explores, it presents a major challenge to earthquake and tsunami warning systems. Experts agree this is a challenge that must be brought to the forefront of seismic research.

Examine the occurrence of other doublet earthquakes and possible solutions to these problems in EARTH Magazine:

<http://bit.ly/21WdmzM>.

For more stories like this, subscribe to EARTH Magazine at www.earthmagazine.org. The March 2016 issue is filled with stories that bring you the science behind the headlines, such as new research on what causes a supervolcano to erupt, the ever-growing field of avalanche science, and evidence in the fossil record that may support courtship between dinosaurs.

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Press Release PDF:



08MAR2016_DoubletEQ.pdf
