

Atlantic seaquakes on 1.XI.1755 (Great Lisbon earthquake) and 31.III.1761

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Received April 14, 2022

Abstract The article deals with data on the seismic regime before and after the Lisbon earthquake on November 1, 1755, which was accompanied by an unusual seismic activation over a large area of Western Europe, North Africa and the Atlantic, which is practically not reflected in the scientific literature. After November 1, 1755, the seismic series was observed in Western Europe, which cannot be attributed to the typical aftershock process. A distinctive feature of the post-Lisbon three phase-activation was the occurrence of earthquakes, sometimes simultaneously, in separated isolated regions of Europe, far beyond the aftershock area manifestation. In the post Lisbon seismic scenario an important and underestimated value is occupied by the earthquake of March 31, 1761, which can be considered as a “twin” of the Great Lisbon catastrophe on November 1, 1755. Both earthquakes were generated in the western Atlantic, therefore it is more correct to call them seaquakes.

Keywords Lisbon earthquake, earthquake of March 31, 1761, Western Europe, Northern Africa, North Atlantic, seismic activation, tsunamis, seismic regime, seismic catalogue, historical source, newspaper “St. Petersburg Vedomosti”.

For citation Ioganson, L.I., Donzova, G.Yu., & Fleifel, L.D. (2022). [Atlantic seaquakes on 1.XI.1755 (Great Lisbon earthquake) and 31.III.1761]. *Rossiiskii seismologicheskii zhurnal* [Russian Journal of Seismology], 4(2), 7-22. (In Russ.). DOI: <https://doi.org/10.35540/2686-7907.2022.2.01>. EDN: FEOBRJ

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