

Distribution of Cumulative Tsunami Energy along the Pacific Coast of South America

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[1] None

Many South American tsunamis have been recorded since 1562. The distribution of cumulative energy, H_2 , for each 200km segment from the Colombia to Chile coasts is investigated for the recent 97-year (1900-1996) and historical (1562-1899) periods. For the total tsunamigenic energy during 435-year, the received energy were 30% on the South Chile coast. The observed energyvalue in South Chile for the recent 97-year are twice larger than the expected value. On the contrary, the recent observed value in North Chile is remarkably small comparing with the expected value. On the long-term tsunami hazard, it is necessary to take precautions against earthquake activities off North Chile (Aricato Antofagasta)

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