



Analisis of oceano-meteorological conditions during Klaus episode on Basque Country area.

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The pass of the extratropical cyclone Klaus over the Cantabric Sea produces an exceptional worsening on Basque Country maritime area conditions. During this episode some damages are produced all over Basque coastal area. Significant height surpasses 8 meters in the early January 24th 2009, reaching punctually the 13 meters in the coast (Pasaia harbor). In deep waters, 8 miles far from coast, maximum heights above 20 meters are registered.

In this work we present some aspects related with this severe weather episode, focusing on maritime conditions and analysis of waves patterns, including features from waves modelization, oceanometeorological structures and buoy data collected in the area.