

Temporal oscillations in orographic windstorms

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Wind measurements at high temporal resolution (1 second) were made for a number of downsloap windstorms observed during the SNæfellsnes EXperiment, W-Iceland. The temporal oscillations are analyzed and compared for different wind speeds and at different locations. Applying wavelet analysis indicates a period of approximately 10 minutes between peaks in the wind speed. The results are discussed in connection with vertical transport of wave energy and theories of breaking waves.