

Diurnal variation of a wind system by sea breeze invasions from different scale and influence by geographical feature on

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On the Nikawa plain located in northeastern Toyama, it is begun to blow a sea breeze from the northwest. This has invaded from a sea direction. However, in the afternoon, the wind direction is changing to northeast. At Uozu, the sea breeze blow in parallel with the coastline. This research clarifies diurnal variation of a wind system and influence of the geographical feature to the sea breeze which invades in parallel with the coastline.

The northwest wind serves as a wind direction which intersects perpendicularly with the coastline, and local circulation of the Nikawa plain scale has influenced. Circulation of the Toyama plain and the Hida high-ground scale has influenced the northeasterly wind. A northeast sea breeze pass to the coastline, a contour line, and parallel. A northeast sea breeze has a tendency near the seashore where an altitude is low in big influence.