



## Abstract View

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# Variations of the Turbulent Fluxes of Momentum, Heat and Moisture over Lake Ontario

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### ABSTRACT

During the International Field Year on the Great Lakes measurements of turbulence and turbulent fluxes were made with an instrumented jet aircraft. After removing effects of aircraft motion the fluxes were computed by the eddy correlation method. Flights were made along the north shore, along the center of the lake, and across the shoreline on four days in October 1972 at a flight level of  $\sim 150$  m. In addition, flights were made at levels 30, 60, 150 and 300 m over one location on the lake.

The horizontal variations in the fluxes at 150 m above the surface are illustrated and their relationship to the surface pattern discussed. It was found that the 150 m pattern was displaced downstream about 15 km.

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