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This technique was developed to examine changes in turbulent fluxes near a sea surface temperature (SST) front. The front also induced a secondary circulation which further modified the turbulence. The front directly produced horizontal variability in the turbulence. The technique of boxcar variances and covariances is used to examine NCAR Electra data from FASINEX (Frontal Air-Sea Interaction EXperiment). The results demonstrate the influence of the SST front on the MABL (Marine Atmospheric Boundary Layer). Data shown are for February 16, 1986, when the winds blew from over cold water to warm.

