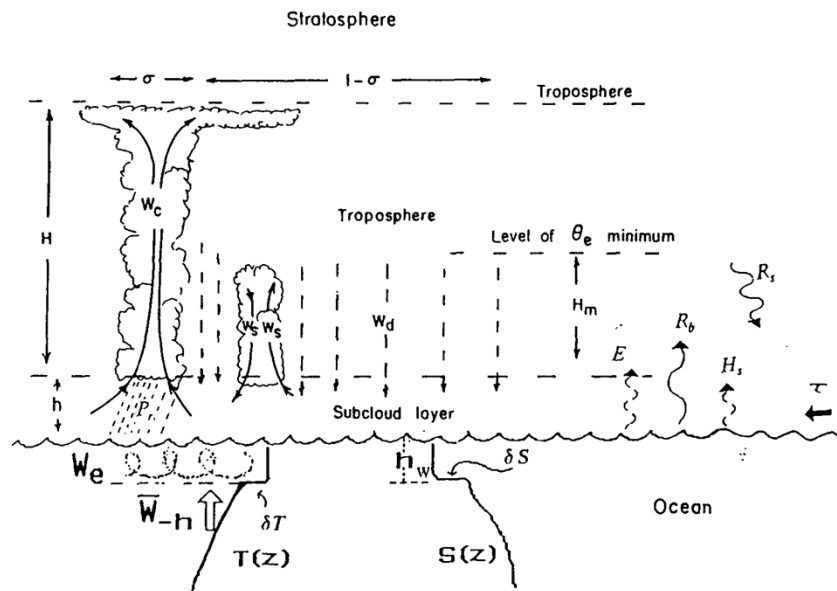


Coupled Oceanic and Atmospheric Boundary Layers

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1986-1990, Funding Level: ~\$600,000



NPS Theses

Livezey, M. S., "Discrete precipitation effects on seasonal mixed layer dynamics in the north Pacific," MS in METOC, September 1988.

Tucker, A., "Evaporation effect on the Mediterranean Sea mixed layer dynamics," MS in PO, September 1988.

Tsai, C.-M., "Sub-mesoscale eddies in California Current", MS in PO, June 1990.

Selected Publications

(1) Chu, P.C., R.W. Garwood, Jr., and P. Muller, 1990: Unstable and damped modes in coupled ocean mixed layer and cloud models. *Journal of Marine Systems*, **1**, 1-11 ([paper download](#)).

(2) Chu, P.C., 1987: Generation of unstable modes of the ice-ward attenuating swell by icebreeze. *Journal of Physical Oceanography*, **17**, 828-832 ([paper download](#)).

(3) Chu, P.C., 1987: An instability theory of ice-air interaction for the formation of ice-edge bands. *Journal of Geophysical Research*, **92**, 6966-6970 ([paper download](#)).

(4) Chu, P.C., 1987: An icebreeze mechanism for an ice divergence-convergence criterion in the marginal ice zone. *Journal of Physical Oceanography*, **17**, 1627-1632 ([paper download](#)).

Brief Description

To explore positive and negative feedback mechanisms between oceanic and atmospheric boundary layers