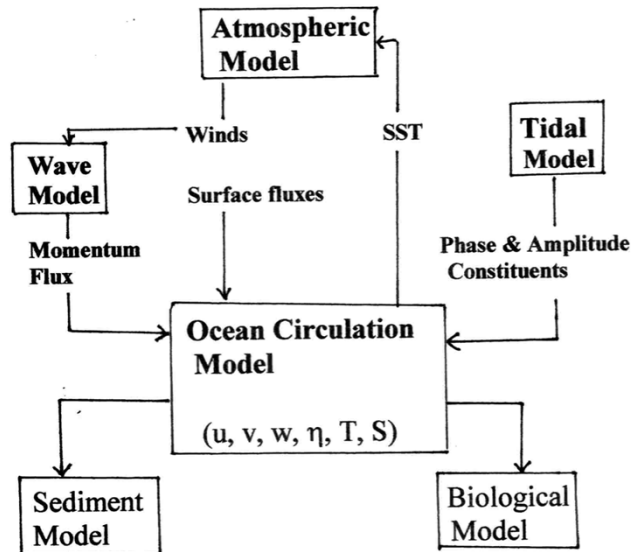


Coastal Ocean-Atmospheric Coupled System

PI: Peter C. Chu (pcchu@nps.edu), Sponsor: ONR (Manager: Manny Fiedeiro)

1998-1999, Funding Level: \$216,010



Brief Description

Establishment of a coastal ocean-atmospheric coupled system for process studies and prediction

NPS Thesis

Veneziano, J. "[Hurricane Effects on the South China Sea Thermal Structure](#)" MS in PO, March 1998

Ma, B., "[Seasonal and interannual thermohaline variability determined by the Navy's MOODS data](#)", MS in PO, September 1998.

Strauhs, H., "[A numerical study on Japan/East Sea \(JES\) circulation and thermohaline structure](#)", MS in METOC, September 1999

Selected Publications

Chu, P.C., S.H. Lu, and Y.C. Chen, 1999: A coastal atmosphere-ocean coupled system (CAOCS) evaluated using an airborne expandable bathythermograph (AXBT) data set. *Journal of Oceanography*, **55**, 543-558 ([paper download](#)).

Chu, P.C., 1999: Two kinds of predictability in Lorenz system. *Journal of the Atmospheric Sciences*, **56**, 1427-1432 ([paper download](#)).

Chu, P.C., J. M. Veneziano, and C.W. Fan, 2000: Response of the South China Sea to tropical cyclone Ernie 1996. *Journal of Geophysical Research*, **105**, 13991-14009 ([paper download](#)).