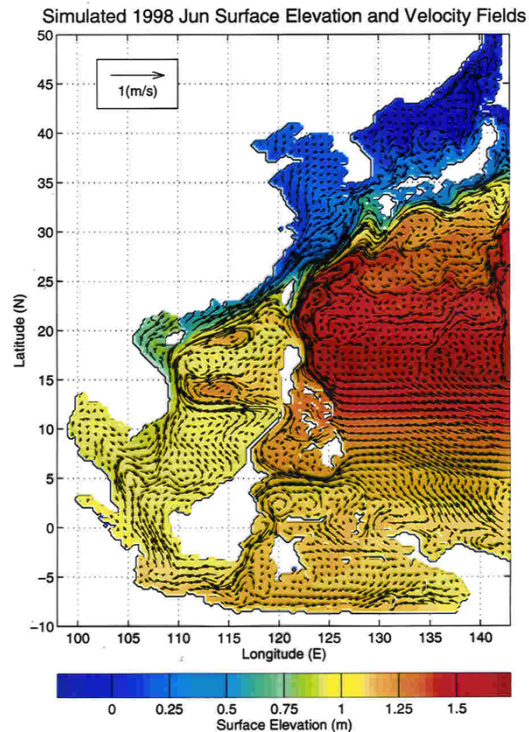# Assessment of the Navy's South China Sea and Japan Sea Modeling

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2001-2002, Funding Level: $45,000

Simulated 1998 Jun Surface Elevation and Velocity Fields

NPS Theses

Michael J. Roth, "A coastal air-ocean coupled system (CAOCS) for east Asian marginal seas prediction", MS in METOC, September 2001.

Selected Publications

Chu, P.C., Y.C. Chen, and S.H. Lu, 2001: Evaluation of Haney-type surface thermal boundary condition using a coupled atmosphere and ocean model. *Advances in Atmospheric Sciences*, **18**, 355-375 (paper download).

Chu, P.C., and C.W. Fan, 2001: A low salinity cool-core cyclonic eddy detected northwest of Luzon during the South China Sea Monsoon Experiment (SCSMEX) in July 1998. *Journal of Oceanography*, **57**, 549-563 (paper download).

Chu, P.C., S.H. Lu, and Y.C. Chen, 2001: Evaluation of the Princeton Ocean Model using the South China Sea Monsoon Experiment (SCSMEX) data. *Journal of Atmospheric and Oceanic Technology*, **18**, 1521-1539 (paper download).

Chu, P.C., R.F. Li, and X.B. You, 2002: Northwest Pacific subtropical contercurrent on isopycnal surface in Summer. *Geophysical Research Letters*, **29**, 10.1029/2002GLO14831, (paper download).

Chu, P.C., G.H. Wang, and C.W. Fan, 2004: Evaluation of the U.S. Navy's Modular Ocean Data Assimilation System (MODAS) using the South China Sea Monsoon Experiment (SCSMEX) data. *Journal of Oceanography*, **60**, 1007-1021 (paper download).

Brief Description

Assessment of Navy's operational models with including new physical processes and data.