

Chuanli Jiang

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Education

- Ph.D. December, 2008. Physical Oceanography, University of Washington.
Advisors: Kathryn A. Kelly, LuAnne Thompson.
Thesis title: “The role of horizontal advection in SST variability in the eastern equatorial Pacific: influence of QuikSCAT winds”.
- M.S. December, 2004. Physical Oceanography, University of Washington.
Advisors: Kathryn A. Kelly, LuAnne Thompson.
Thesis title: “Evaluation of a hybrid satellite and NWP-based turbulent heat flux product using TAO buoys”.
- B.S. July, 1998. Physical Oceanography, Ocean University of China.

Research Interests

Understanding dynamical and thermodynamical processes in the ocean and its role in the climate variations with both data analysis and numerical modeling.

Professional Experience

- Winter 2008 Postdoctoral scholar, Scripps Institution of Oceanography, University of California San Diego. Supervisor Dr. Sarah T. Gille.
- 2002-2008 Research Assistant, School of Oceanography, University of Washington.
- Spring 2007 Teaching Assistant of OCEAN569b (Oceanographic Data Analysis Laboratory). Instructor Dr. Kathryn A. Kelly.
- Winter 2004 Teaching Assistant of OCEAN510 (Physics of Ocean Circulation). Instructor Dr. Stephen Riser.
- 1999-2001 Research Assistant, Institute of Physical Oceanography, Ocean University of China.

- 1996 Ocean investigation cruise “Sino-Japanese Sub-Tropical Circulation Joint Program”.

Publications and Presentations

Journal articles

- Jiang, C.-L., L. Thompson, K. A. Kelly, and M. F. Cronin. The roles of intra-seasonal Kelvin waves and tropical instability waves in SST variability along equatorial Pacific in an isopycnal ocean model. *Journal of Climate*: In press, 2009.
- Jiang, C.-L., L. Thompson, K. A. Kelly. Equatorial influence of QuikSCAT winds in an isopycnal ocean model compared to NCEP2 winds. *Ocean Modeling*, 10.1016/j.ocemod.2008.05.003, 2008.
- Jiang, C.-L., M. F. Cronin, K. A. Kelly, and L. Thompson. Evaluation of a hybrid satellite and NWP based turbulent heat flux product using TAO buoys. *J. Geophys. Res.* Vol 110, C09007, doi:10.1029/2004JC002824, 2005.
- Jiang, C.-L., J. Lu, and D.-X, Wu. Fluid Exchange Across the Equatorial Front, *Chinese J. Oceanogr. and Limnol.(English)* Vol 19, No.2, 112-118, 2001.

Talks and posters

- “Do southerly winds control the asymmetry in the seasonal cycle of the SST in the eastern Pacific?” Ocean Sciences Meeting (poster), Orlando, March, 2008.
- “Intra-seasonal temperature budget along equatorial Pacific in an isopycnal ocean model.” Ocean Sciences Meeting, Hawaii, February, 2006.
- “Evaluation of a hybrid satellite and NWP-based turbulent heat flux product using TAO buoys.” Physical Oceanography Lunch Seminar, University of Washington, December 2004; NMEFC, Beijing, China, January 2005; OVWST Meeting, Seattle, WA, March 2005; Workshop on the Application of EPIC2001 Data for Improving and Testing Coupled Atmosphere-Ocean Models, Seattle, WA, May 2005.
- “Impact of improved flux estimates based on scatterometer winds on the tropical Pacific heat budget.” Ocean Sciences Meeting, Portland, OR, January 2004.

Awards

- 2008 Scripps Oceanography Postdoctoral Award.
- 1994 Entrance Scholarship of Ocean University of China (twice math awards).