Curriculum Vitae

Eli Galanti

February 4, 2004

Address:

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Born: June 12, 1970, Israel. Married + 2.

Areas of Interest:

Climate dynamics and prediction, physics of the ocean.

Education:

Ph.D. Physical Oceanography – Weizmann Institute of Science. March 2003.

B.Sc. Geophysics and planetary sciences, Tel Aviv University. Magna Cum Laude. August 1996.

Employment:

Postdoctoral Research Scientist - International Research Institute for Climate Prediction. Columbia University. October 2002 - present.

Symposium participation and other activities:

Climate Diagnostics and Prediction Workshop, Reno, NV. ”A study of ENSO prediction using a hybrid-coupled model and the adjoint method for data assimilation”. 10/2003.

Tropical Biases Workshop, GFDL, Princeton University, NJ. ”Sensitivity of the equatorial Pacific to mid-Lat processes using an ocean GCM and its adjoint”. 05/2003.

Coupled Data Assimilation Workshop, Portland, Oregon. ”Coupled model initialization in a hybrid-coupled model”. 04/2003.

EGS-AGU-EUG, Nice, France. ”A Mid-Latitude - ENSO teleconnection mechanism via baro-clinically unstable long Rossby waves”, and ”A study of ENSO prediction using a hybrid-coupled model and the adjoint method for data assimilation”. 04/2003.

AGU Ocean Science meeting, Honolulu, Hawaii. ”The equatorial thermocline outcropping: a seasonal control of the tropical Pacific ocean-atmosphere instability strength”. 02/2002.

Z-model Ocean Meeting, GFDL, Princeton University, NJ. "The generation of an adjoint code to MOM4 - current state and future plans". 11/1999.

Summer school on "Inverse Methods and Data Assimilation". College of Oceanic & Atmospheric Sciences, Oregon State University. 07/99.

12th AMS Conference on Atmospheric and Oceanic Fluid Dynamics, New York, NY. "On ENSO's phase locking to the seasonal cycle in the fast SST, fast wave, and mixed mode regimes". 06/99.

Initiation and organization of the first CARESS (Conference of Active Research of Environmental Sciences Students) conference, Weizmann Institute of Science. 05/98.

Participation in the ACCE float deployment cruise, along 6N and 0N in the Equatorial Atlantic on R/V Seword Johnson. 07-08/97.

Awards:

Rieger-JNF fellowship for Environmental studies. 1999-2001.

Publications:

Galanti, E. and E. Tziperman, 2000. On ENSO's phase locking to the seasonal cycle in the fast SST, fast wave, and mixed mode regimes. *Journal of the Atmospheric Sciences*. **57**, 2936-2950.

Harrison, M. J., A. Rosati, B. J. Soden, E. Galanti, and E. Tziperman, 2002: An examination of air-sea coupling for ENSO simulation and prediction. *monthly Weather Review*, **130 (3)**, 723-732.

Galanti, E., E. Tziperman, M. Harrison, A. Rosati, R. Giering, Z. Sirkes, 2002. The equatorial thermocline outcropping - A seasonal control on the tropical Pacific ocean-atmosphere instability. *Journal of Climate*, **15 (19)**, 2721-2739.

Galanti, E., and E. Tzipermann, 2003: A Mid-Latitude - ENSO teleconnection mechanism via baroclinically unstable long Rossby waves. *Journal of Physical Oceanography*. **33 (9)**, 1877-1888.

Galanti, E., E. Tziperman, M. Harrison, A. Rosati, and Z. Sirkes, 2003: A study of ENSO prediction using a hybrid-coupled model and the adjoint method for data assimilation. *monthly Weather Review*, **131 (11)**, 2748-2764.

Galanti, E., 2003: Dynamics and predictability of ENSO - a study using a hybrid-coupled model and the adjoint method. *Ph.D. Thesis*.

Galanti, E. 2004: Initial shock and climatological biases in tropical Pacific seasonal forecast. *In preparation*.

Wittenberg, A., and E. Galanti, 2004: Ensemble forecast of ENSO using a hybrid-coupled model and observed stochastic forcing. *In preparation*.