

# Publications

## Journal Papers

1. Carlos López-Carrillo and D. J. Raymond, 2010: Retrieval of Three-Dimensional Wind Fields from Doppler Radar Data using an efficient two-step approach. *Atmospheric Chemistry and Physics*, accepted.
2. D. J. Raymond and Carlos López-Carrillo, 2010: The Vorticity Budget of Developing Typhoon Nuri (2008) *Atmospheric Chemistry and Physics*, accepted.
3. Carlos López-Carrillo and D. J. Raymond, 2005: Moisture tendency equations in a tropical atmosphere. *Journal of the Atmospheric Sciences*.
4. D. J. Raymond, Graciela Raga, Chris Bretherton, John Molinari, Carlos López-Carrillo, Zeljka Fuchs, 2003: Convective Forcing in the Intertropical Convergence Zone of the East Pacific *Journal of the Atmospheric Sciences*, **60**, 2064-2082.
5. D. J. Raymond, Carlos López-Carrillo, and Lucio López Cavazos, 1998: Case-studies of developing east Pacific easterly waves. *Quart. J. Roy. Meteor. Soc.*, **124**, 2005-2034.

## Presentations and Conference Papers

1. C. López-Carrillo and Raymond, D J (2010): Retrieval of typhoon wind fields from Doppler radar and dropsonde data using an efficient 2-step approach. In *29th Conference on Hurricanes and Tropical Meteorology*.
2. C. López-Carrillo and Raymond, D J (2009): Wind Retrieval from airborne Doppler radar (TCS-08 field campaign), In *34th Conference on Radar Meteorology*
3. C. López-Carrillo and Raymond, D J (2007): New Wind Information From a Single Doppler Radar, *Eos Trans. AGU*, 88(23), Jt. Assem. Suppl., Abstract A23B-06
4. C. López-Carrillo and D. J. Raymond, 2006: Observations during EPIC2001 –Diurnal cycle in the East Pacific. In *27th Conference on Hurricanes and Tropical Meteorology*.
5. C. López-Carrillo, David J. Raymond, 2005: Gross Moist Stability in the East Pacific. In *2005 American Geophysical Union Fall Meeting*.
6. C. López-Carrillo, David J. Raymond, 2005: Mass Fluxes in the East Pacific. In *32nd Conference on Radar Meteorology*.
7. C. López-Carrillo, David J. Raymond, 2004: Relación entre el ciclo diurno de la convección y los huracanes en el Pacífico del Este. In *XI Congreso Latinoamericano e Ibérico de Meteorología*

8. C. López-Carrillo, David J. Raymond, 2004: Diurnal Cycle of Tropical Storms in the East Pacific In *2004 Western Pacific Geophysics Meeting*.
9. C. López-Carrillo, David J. Raymond, 2004: Kinematical Characteristic of the Tropical Storm Juliette In *25th Conference on Hurricanes and Tropical Meteorology*.
10. C. López-Carrillo, David J. Raymond, 2003: Spatial variability of the entropy in the boundary layer In *EPIC workshop in Bolder Co. 2003*.
11. C. López-Carrillo, David J. Raymond, 2002: Mesoscale Convective Mass Fluxes in the Eastern Pacific. In *2002 American Geophysical Union Fall Meeting.*, 300
12. C. López-Carrillo, David J. Raymond, and Z. Fuchs, 2002: Development of New Convective Cells in the East Pacific. In *24th Conference on Hurricanes and Tropical Meteorology.*, 525–526
13. C. López-Carrillo and David J. Raymond, 2000: Gross Moist Stability in Tropical Systems. In *24th Conference on Hurricanes and Tropical Meteorology.*, 220–221
14. David J. Raymond and Carlos López Carrillo, 2000: Cloud-Radiation Interactions and Convective Forcing. In *24th Conference on Hurricanes and Tropical Meteorology.*, 508–509
15. Carlos López Carrillo, 2000: Moisture Interchange Between Clouds and Environment in a Tropical Atmosphere. In *24th Conference on Hurricanes and Tropical Meteorology.*, 510–511
16. C. López-Carrillo and David Raymond, 1999: Observational study of tropospheric moisture and deep convection during TOGA COARE. In *23rd Conference on Hurricanes and Tropical Meteorology.*, 159–160
17. David Raymond and C. López-Carrillo, 1998: Does Ekman Pumping Work in Tropical Cyclones? In *78th AMS Annual Meeting*.
18. C. López-Carrillo and David Raymond, 1997: Kinematical Characteristics in Developing Easterly Waves. In *22rd Conference on Hurricanes and Tropical Meteorology.*, 551–552