

## *Curriculum Vitae*

**Ji-Hyun Oh**

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### **Education:**

Ph.D. School of Earth and Environmental Sciences, Seoul National University, Seoul, Korea, 2012  
Dissertation: Scale Interaction between MJO and the Diurnal Variability over the Maritime Continent during Austral Summer (Adviser: Prof. Gyu-Ho Lim)

M.A. School of Earth and Environmental Sciences, Seoul National University, Seoul, Korea, 2007  
Thesis: Characteristics of Equatorial ISO in Boreal Summer Revealed in Reanalysis Data Assimilating TRMM Rain Rate (Adviser: Prof. Gyu-Ho Lim)

B.A. School of Earth Science Education, Ewha Womans University, Seoul, Korea 2005  
- Obtained a Teaching Certificate

### **Experience:**

Postdoctoral researcher, June 1st 2013-  
Jet Propulsion Laboratory in Climate Physics Group of Science division  
Topics: Understanding the Role of the Convective Momentum Transport for the Madden-Julian Oscillation

Postdoctoral researcher, 2012-2013  
COAPS, Florida State University  
Topics: Climate change and its impact on the agriculture over the Southeast U.S  
(Funding from United States Department of Agriculture/National Institute of Food and Agriculture)

Visiting scientist, 2011-2012  
COAPS, Florida State University  
Topics: Climate change and its impact on the agriculture over the Southeast U.S  
(Funding from United States Department of Agriculture/National Institute of Food and Agriculture)

Teaching assistant, 2009  
Seoul National University  
Course: Atmospheric Dynamics

Visiting scientist, 2006  
COAPS, Florida State University  
Topics: Physical Initialization in FSUGSM  
(Funding from Korea Meteorological Administration)

### **Publications:**

**J.-H Oh, B.-M Kim, K.-Y Kim, H.-J Song and G.-H Lim** 2012: The impact of the diurnal cycle on the MJO over the Maritime Continent: A modeling study assimilating TRMM rain rate into global analysis, *Climate Dynamics*, published online

**J.-H Oh, K.-Y Kim, and G.-H Lim** 2012: Impact of MJO on the diurnal cycle of rainfall over the western Maritime Continent in the austral summer, *Climate Dynamics*, 38, 1167-1180

B.-M Kim, S. Cocke, G.-H Lim and **J.-H Oh** 2007: Analysis nudging NCEP Reanalysis Rain rate nudging TRMM FSU/COAPS global spectral model, APJAS 43, 397-409.

**Presentations:**

**J.-H Oh**, D.-W Shin and S Cocke 2012: A Preliminary assessment of CMIP5 30-yr decadal 1980 and 2005 experiment over the Southeast US. Presented at Southeast Climate Consortium Meeting, Alabama, US

**J.-H Oh**, and G.-H Lim 2011: The Scale Interaction between the Diurnal Cycle of Rainfall and the MJO over the Maritime Continent During Austral Summer. Presented at Asian Oceania Geosciences Society, Taiwan

**J.-H Oh**, K.-Y Kim and G.-H Lim 2010: Impact of the MJO on the Diurnal Cycle of the Precipitation over the Western Maritime Continent during Northern Hemisphere Winter. Presented at Monsoon Intraseasonal Variability Modelling Workshop, Pusan, Korea

**J.-H Oh**, and G.-H Lim 2008: A study of the relationship between ISO and divergence in the precipitation-assimilated reanalysis. Presented at the autumn meeting of the Korean Meteorology Society, Daejeon, Korea

**J.-H Oh**, B.-M Kim, S. Cocke and G.-H Lim 2007: The equatorial ISO in boreal summer revealed in the NCEP reanalysis data reproduced by assimilating TRMM rain rate. Presented at NOAA's 32nd Annual Climate Diagnostics and Prediction Workshop, FL, USA

**Grants and Fellowships:**

Seoul Science Fellowship (Seoul Metropolitan Government, 2007 - 2008)

**Travel Award:**

Workshop on Modeling Monsoon Intraseasonal Variability, June 2010, Korea

**Skills and Qualifications:**

Programming ability in Fortran, C shell, Matlab and Grads  
Experience with WRF, FSUGSM