

Ju-Mee Ryoo

Caltech Postdoctoral Researcher at Jet Propulsion Laboratory August 2009 -present
(advisor: Dr. Duane Waliser and Dr. Eric Fetzer)

Education

<i>Johns Hopkins University</i>	July 2009
Ph.D. in Earth and Planetary Sciences (advisor: Prof. Darryn W. Waugh)	
M.A. in Earth and Planetary Sciences	May 2007
<i>Yonsei University, South Korea</i>	2003
M.S. in Atmospheric Sciences	
<i>Yonsei University, South Korea</i>	2001
B.S. in Mathematics, Atmospheric Sciences (double major)	

Research Interest

- Tropospheric water vapor transport and water cycle
- Improvement of trajectory/climate model simulations based on observation-derived information and physical processes
- Linkage of tropical convection to large-scale atmospheric circulation
- Climate variability, especially change of processes associate with climate change

Awards and Honors

' <i>Best poster award</i> ' at the Chapman conference (titled as 'Atmospheric water vapor and its role on the climate') in convection session	2008
NASA-NSF Research Project	2005-present
Johns Hopkins University, Gillman Fellowship	2004-2005
BK 21(Brain Korea 21 Century) Scholarship	2002
Honor student Scholarship provided by the Astronomy and Atmospheric Sciences Alumni Association	1999-2000

Publications

- Ryoo, J.-M.**, D. W. Waugh, and A. Gettelman, 2008: Variability of subtropical upper tropospheric humidity, *Atmos. Chem. Phys.*, **8**, 1041-1067.
- Ryoo, J.-M.**, T. Igusa, and D. W. Waugh, 2008: PDFs of Tropical Tropospheric Humidity: Measurements and Theory, *J. Climate*, **22**, 3357-3373.
- Ryoo, J.-M.** and H.-Y. Chun, 2005: Stratospheric Major Sudden Warmings Revealed in NCEP Reanalysis Data for 41 years (1958-1999), *J. Korean. Meteorol. Soc.*, **41**, 2, 173-190.

Professional Affiliations

American Geophysical Union

2005-present

American Meteorological Society

2005-present