

# WEI ZHANG

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## *Education*

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- Aug. 2015 – **Rosenstiel School of Marine & Atmospheric Science, University of Miami, USA**  
Doctor of Philosophy in Meteorology and Physical Oceanography  
Advisor: Ben Kirtman
- Sep. 2011 – Jul. 2015 **School of Geographic and Oceanographic Sciences, Nanjing University, CHN**  
Bachelor of Science in Ocean Science (with honor)  
Advisor: Shaoming Pan  
Dissertation: *Reconstruction and Simulation of <sup>137</sup>Cs Atmospheric Fallout in China*

## *Publications*

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- **Zhang, W.**, Pan, S.M., Cao, L.G., Cai, X., Zhang, K.X., Xu, Y.H., Xu, W., 2014. *Changes in extreme climate events in eastern China during 1960-2013: A case study of the Huaihe River Basin*. Quaternary International. DOI: 10.1016/j.quaint.2014.12.038.
- Zhang, K.X., Pan, S.M., **Zhang, W.**, Xu, Y.H., Cao, L.G., Wang, Y., Zhao, Y.F., 2015. *Influence on climate change on reference evapotranspiration and aridity index and their temporal-spatial variations in the Yellow River Basin, China from 1961 to 2012*. Quaternary International. DOI: 10.1016/j.quaint.2014.12.037.
- Wang, L.Z., Cao, L.G., Deng, X.J., Jia, P.H., **Zhang, W.**, Xu, X., Zhang K.X., Zhao Y.F., Yan B.J., Hu W., Chen Y.Y., 2014. *Changes in aridity index and reference evapotranspiration over the central and eastern Tibetan Plateau in China during 1960–2012*. Quaternary International, Volume 349, Pages 280-286. DOI: 10.1016/j.quaint.2014.07.030.
- Zhang, K.X., Pan, S.M., Cao, L.G., Wang, Y., Zhao, Y.F., **Zhang, W.**, 2014. *Spatial distribution and temporal trends in precipitation extremes over the Hengduan Mountains region, China, from 1961 to 2012*. Quaternary International, Volume 349, Pages 346-356. DOI: 10.1016/j.quaint.2014.04.050.
- **Zhang Wei**, Pan Shaoming, Zhang Kexin, Cao Ligu, Zhao Jie. *Study of the Cesium-137 Reference Inventory in the Mainland of China*. Acta Geographica Sinica, 2015, 70(9): 1477-. DOI: 10.11821/dlxb201509010.
- Cao Ligu, Pan Shaoming, Jia Peihong, Zhuoma Lancao, Zhao Yifei, Zhang Kexin, **Zhang Wei**, 2014. *Temporal and Spatial Characteristics of the Extreme Drought and Wet Events Changes in Hexi Area from 1960 to 2009*. Journal of Natural Resources, Volume 29, Pages 480-489. DOI: 10.11849/zrzyxb.2014.03.01.
- Xu Wei, Pan Shaoming, Jia Peihong, Yang Xu, Cao Ligu, **Zhang Wei**, Ruan Xiangdong, Guan Yongjing, 2015. *<sup>137</sup>Cs Reference Inventory and its distribution in surface soil along the Fangchenggang coastal zone of Beibu Gulf*. Geographical

## ***Honors and Awards***

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- ***Outstanding Dissertation Award for Undergraduate Student***, awarded by Nanjing University for my undergraduate dissertation. Aug. 2015
- ***Honorary Title of Outstanding Undergraduate Student***, awarded by Nanjing University for my academic achievements during undergraduate years. June. 2015
- ***Special Recognition Award***, awarded by Nanjing University for innovative research report in the Undergraduate Students' Academic and Technological Work Competition & Exhibition. Oct. 2014
- ***National Fellowship***, awarded by Ministry of Education of the People's Republic of China for top students from disadvantaged socio-economic backgrounds. Sep. 2014
- ***Public Scholarship***, awarded by Nanjing University to students who show capacity for distinction in their study and academic research. Dec. 2013
- ***Advanced Individual of Social Work and Teamwork***, awarded by School of Geographic & Oceanographic Sciences, Nanjing University. Dec. 2013
- ***Excellent Leadership Award***, awarded by Nanjing University for my work as chairman of the Students' Management Committee of my department. Nov. 2012

## ***Research Experiences***

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Aug. 2015 – Research Assistant at University of Miami

**Project: Predicting the coming decades – NSF (USA)**

Work: Seek to understand how ocean eddies influence the climate in the coming decades, using very high resolution state-of-the-art climate models to examine climate predictability.

Dec. 2011 – Jul. 2015 Research Assistant at Chinese-Canadian Collaborative Isotope Laboratory

**Project: Study of Sources and Migration of Isotope Cesium and Plutonium in Beibu Gulf, the South China Sea** - Funded by the National Natural Science Foundation of China

Work: Assisted with ground sampling in the coast zone of Beibu Gulf and laboratory analysis of soil samples.

**Project: Reconstruction of Atmospheric fallout of Cesium-137 in China** - Student Innovation Project

Work: Built a Cs-137 Reference Inventory Dataset, then modified previous models to reconstruct and simulate spatial distributions of Cesium-137 Reference Inventory in China.

Mar. 2014 – Sep. 2014 Research Intern at Lianyungang Scientific Research Center

**Project: Construction and Development Model of Lianyungang Harbor, China** - Funded by Lianyungang Municipal Port Management, China

Work: Conducted an interdisciplinary study of coastal zone environment and econometrics, culminated a research report *Analysis of Lianyungang Port Development strategy and Integration of Port-City System*.

Dec. 2012 – Jul. 2014 Research Assistant at Institute of Ocean Sciences, Nanjing University

**Project: Climate, Climate modeling & Climate Extremes in China** - Student Innovation Project

Work: Analyzed climate variations in China from intra-seasonal, decadal or longer, demonstrating dominant climate mechanisms, emphasizing the roles of oceanic and atmospheric circulations.

### ***Academic Seminars***

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- AGU Fall Meeting 2016 at San Francisco. Dec. 12-16, 2016
- Panelist in IPCC MIAMI conference: "The Gathering Threat of Climate Change and Its Implications for Water Security and Sea Level Rise". Nov. 13, 2015
- Panelist in an academic seminar: International Symposium on Planetary Sciences, held at the Shanghai Astronomical Observatory, Chinese Academy of Sciences, Shanghai, China. Jul. 1-4, 2013
- Panelist in an academic conference: *Environmental Impact Assessment of Hainan International Tourism Island Pilot Zone*, held by Hainan International Tourism Island Pilot Zone Management Committee, Hainan, China. Jan. 26, 2013

### ***Extracurricular Activities***

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- Volunteer at Nanjing University's 110 Anniversary, assisting with reception work. May 20, 2013
- Core member of a Summer Social Program - Small Island & Huge Ocean, Popularization of the Law of Sea. Jun. 2013
- Led a summer study group to investigate the development of Nanjing University technology transfer and academic/government cooperation, reporting our work in several local news media outlets. Jul. 5-15, 2013