

Taipei SWEPEP

Taipei Severe Weather and Extreme Precipitation 2015 Taipei SWEPEP Workshop

Date 25 – 27 May 2015

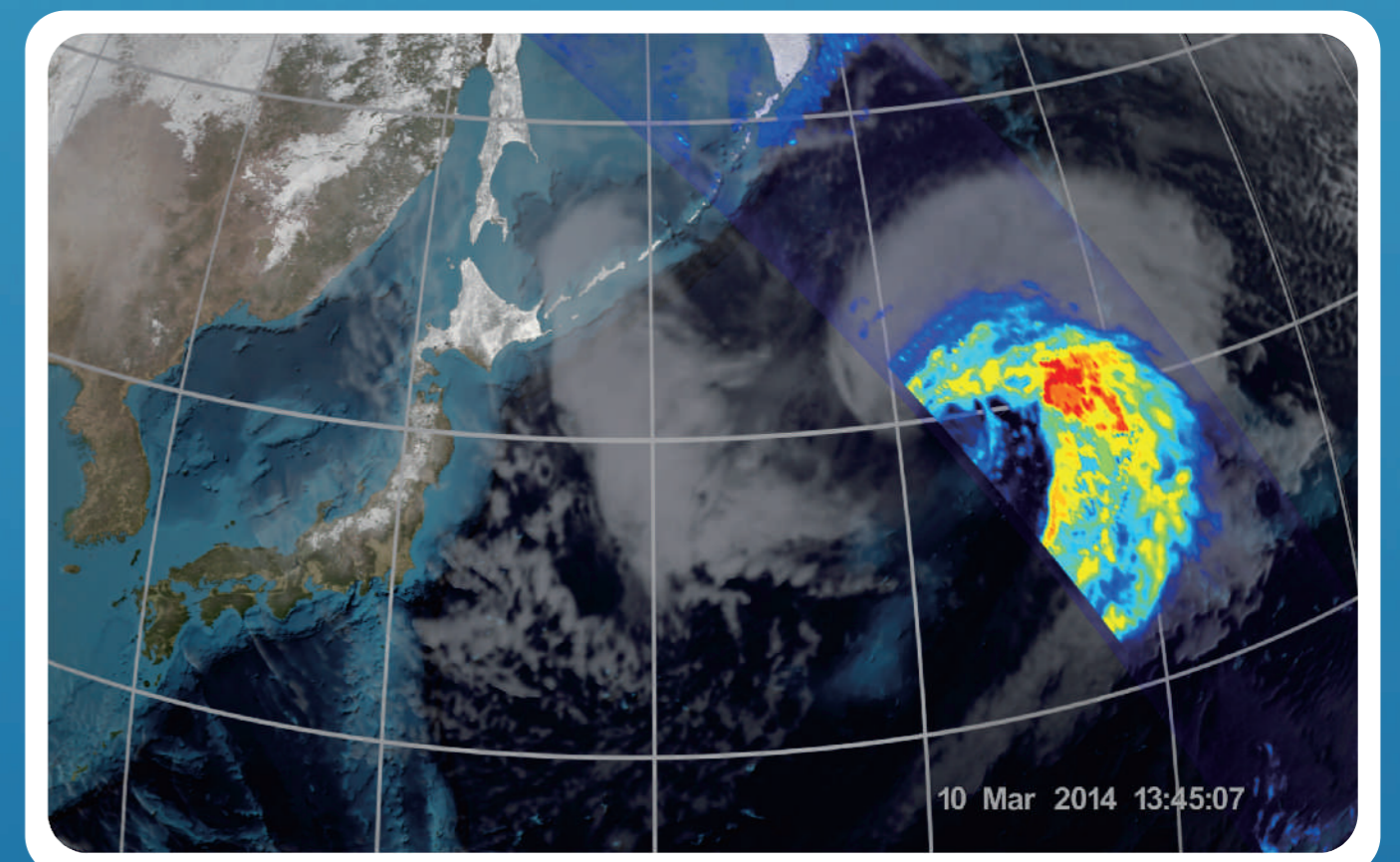
Location Academia Sinica, Taipei, Taiwan (中央研究院人文館三樓第二會議室)

Workshop Theme

Severe weather and extreme precipitation cause great damages to properties and even human lives, and they are mainly associated with deep convective systems such as severe storms in midlatitudes and hurricanes/typhoons in the tropics. They produce high winds, large hails, lightning and flash floods that impact our daily life. Deep convection also plays pivotal role in the transport of momentum which is an efficient adjustment mechanism to balance the energy and many major trace chemicals. Understanding how severe weather and extreme precipitation occur is a major scientific challenge in both weather and climate scale. It is also important to understand how severe weather and extreme precipitation are simulated in the weather and climate model, and how they will change in the future warming world.

This workshop invites research papers on recent progress related to the areas of severe weather and extreme rainfall, especially those based on observations and modeling. We especially emphasize remote sensing (such as radar and satellite) in observational techniques and modeling efforts that intend to understand the underlying physics and the need to improve model capability in both weather and climate scales. The following are tentative topics to be addressed:


- ◆ Characteristics of systems that produce severe weather and extreme precipitation (SWEPEP)
- ◆ Remote sensing and in-situ monitoring techniques
- ◆ Pre-convective environment
- ◆ Early and mature convections and clouds
- ◆ Numerical simulations of SWEPEP systems
- ◆ Forecast model development and verification in various scales
- ◆ Severe weather and extreme precipitation in climate model
- ◆ Future changes in severe weather and extreme precipitation
- ◆ Etc.



Workshop Program Committee

- **Pao K. Wang**, Research Center for Environmental Changes, Academia Sinica, Taipei, Taiwan
- **Vincenzo Levizzani**, National Research Council of Italy - Institute of Atmospheric Sciences and Climate (CNR-ISAC), Italy
- **Martin Setvek**, Czech Hydrometeorological Institute, Praha, Czech Republic
- **Chun-Chieh Wu**, National Taiwan University, Taipei, Taiwan
- **Huang-Hsiung Hsu**, Research Center for Environmental Changes, Academia Sinica, Taipei, Taiwan
- **Po-Hsiung Lin**, National Taiwan University, Taipei, Taiwan

Organizer

-  Research Center for Environmental Changes, Academia Sinica, Taipei, Taiwan
-  National Taiwan University, Taipei, Taiwan
-  National Central University, Taoyuan, Taiwan

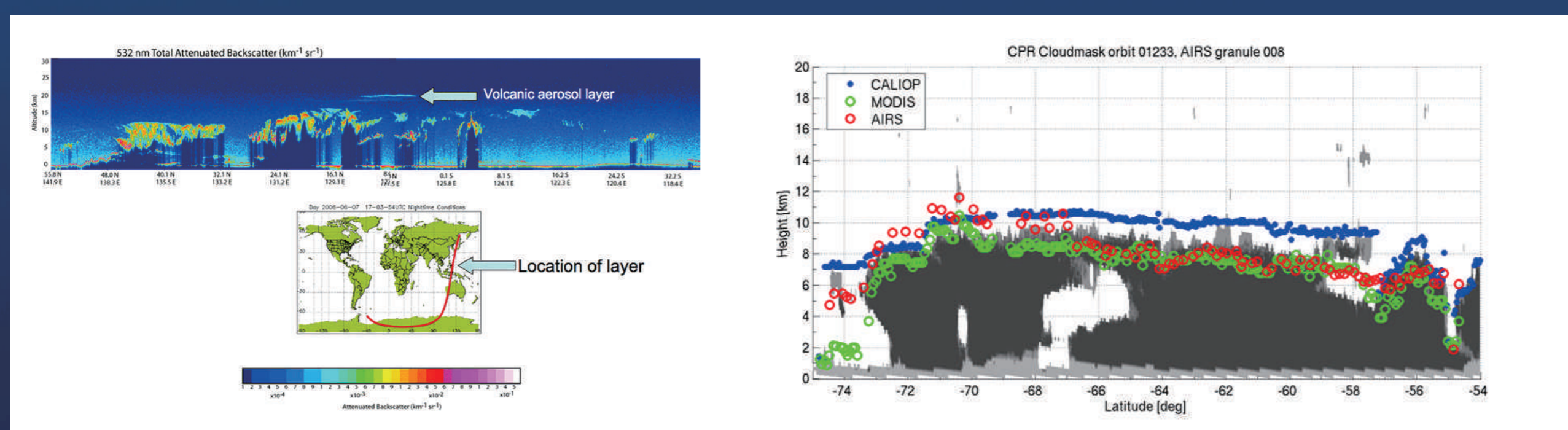
Important Dates

First Announcement	10 January 2015
Abstract Deadline	20 February 2015
Second Announcement	30 March 2015
Final Program	20 April 2015
2015 Taipei SWEPEP Workshop	25-27 May 2015

2015 Taipei SWEPEP Workshop Web site

All information related to 2015 Taipei SWEPEP Workshop will be posted on the Taipei SWEPEP Web site at:

<http://www.rcec.sinica.edu.tw/index.php?action=news&cid=3>



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