



AERONET 亞太檢校與訓練中心

Asia Pacific AERONET Calibration and Training Center

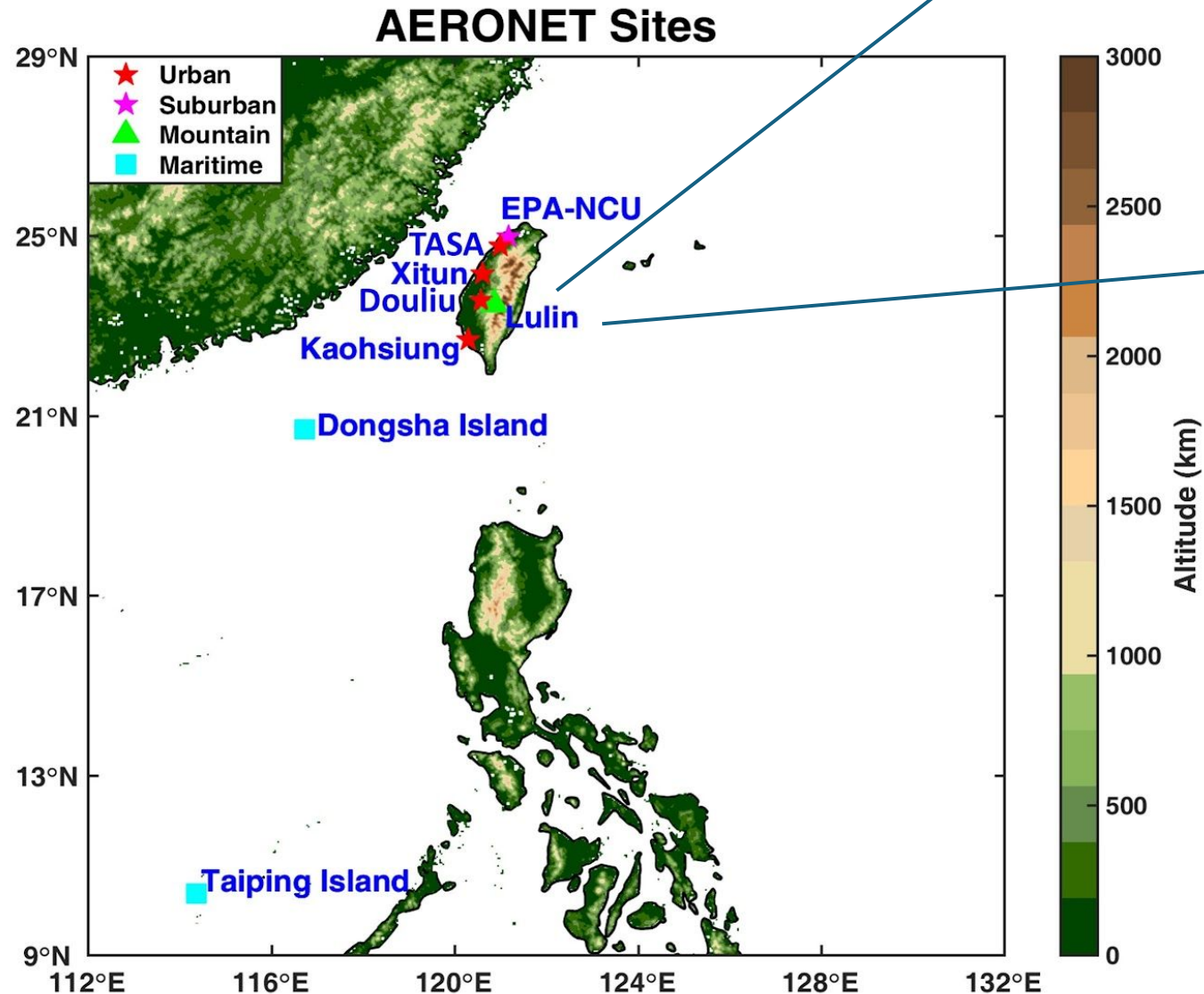
APAC updates

Carlo Wang & Team

National Central University, Taiwan

AERONET Science and Application Exchange, Sep. 17 to 19, 2024, Collège Park,
MD USA

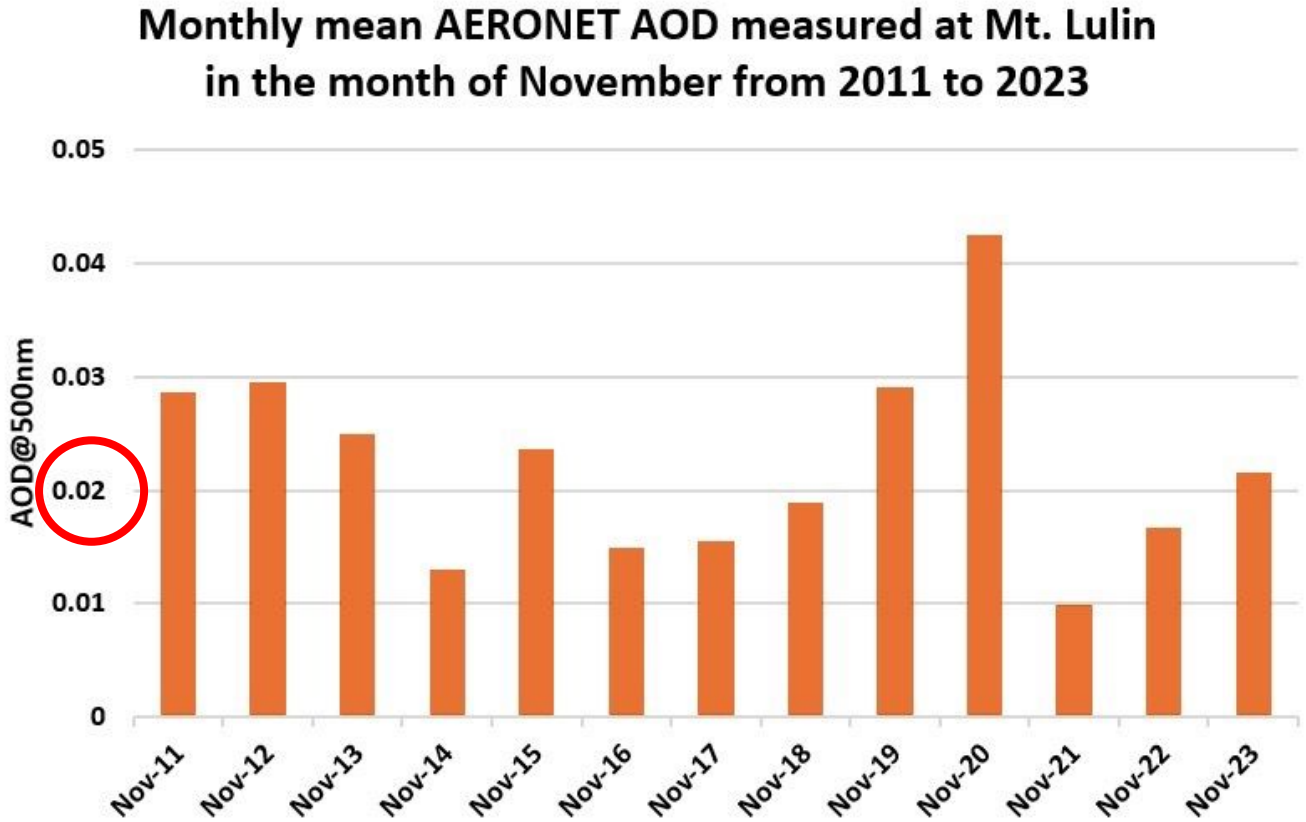
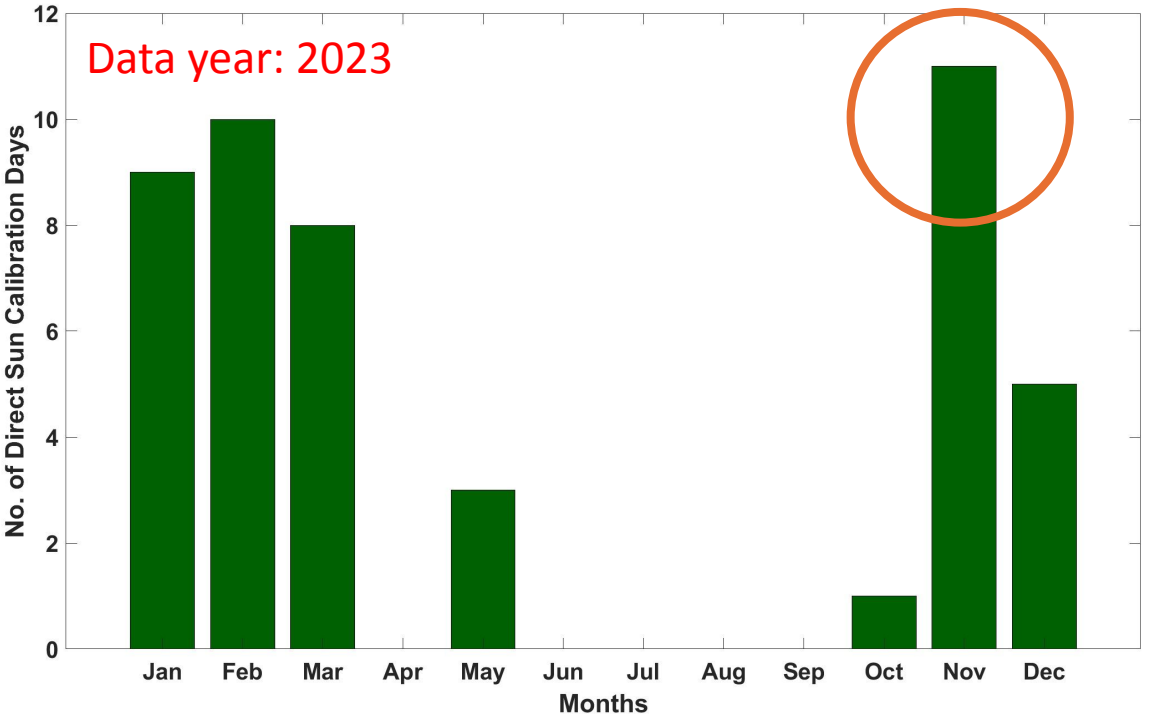
Lulin AERONET site since 2006



Coordinates: 23.46861° N, 120.87361° E
Elevation: 2868.0 m

Lulin Atmospheric Background Station (LABS) - a WMO GAW-like station; equipped many aerosol and trace gases measurements

Clear Sky Climatology at Lulin



Suitable sun calibration

period: **October – February**

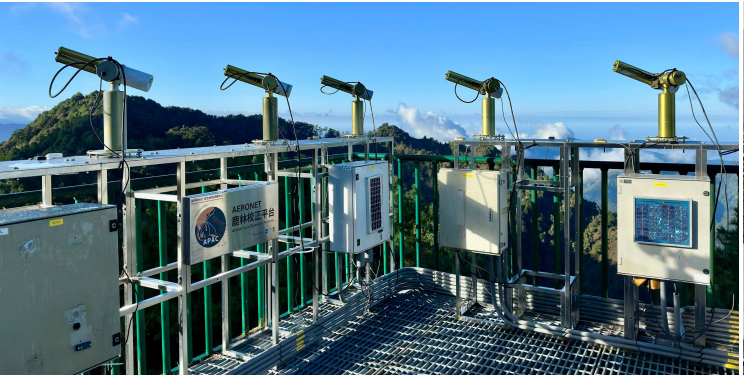
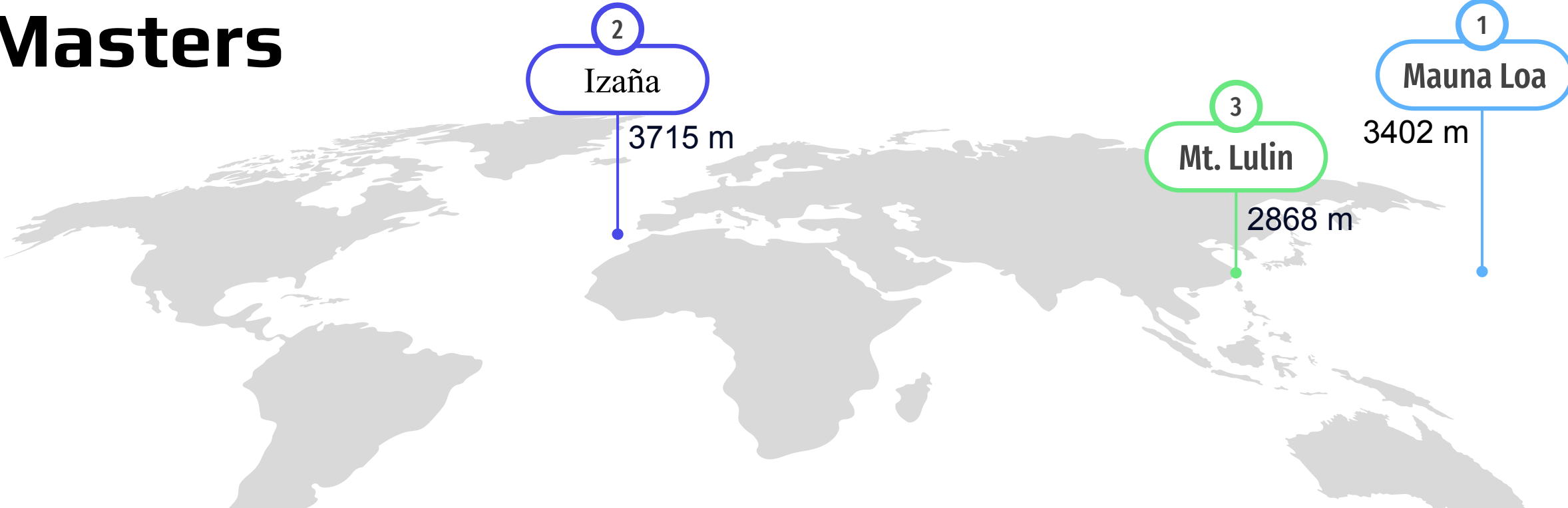
Criteria for checking Direct Sun Calibration:

- AOD at 500 nm < 0.2
- Clear sky during mid-day (± 1 hour from 12:00 Local time)
- Number of measurements during mid-day > 15

APAC Opening Ceremony (2nd November, 2023)



World Calibration Facilities for Cimel Masters



2023/11/1

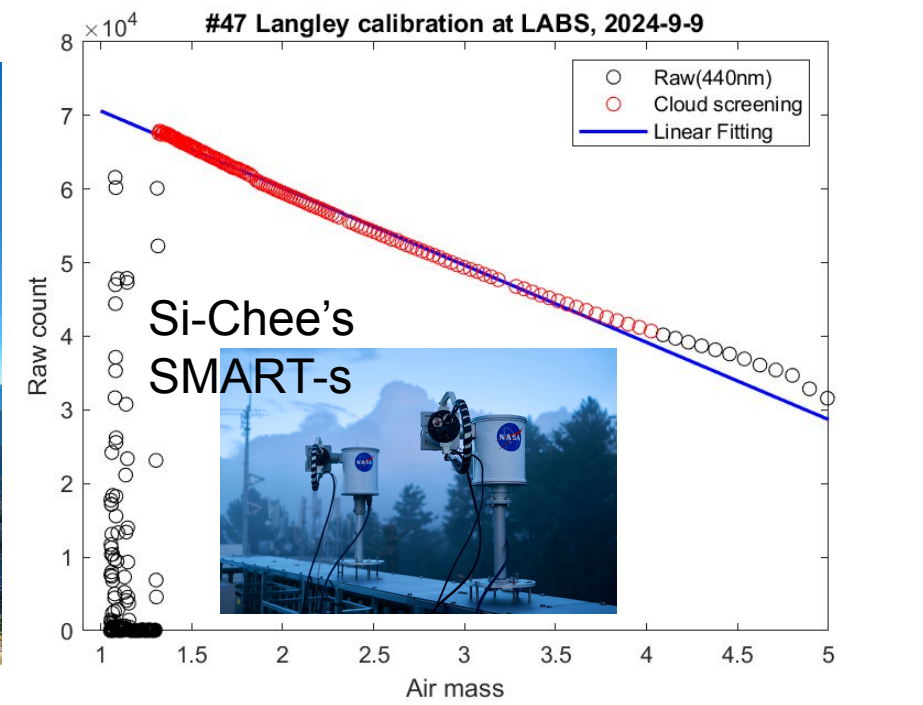
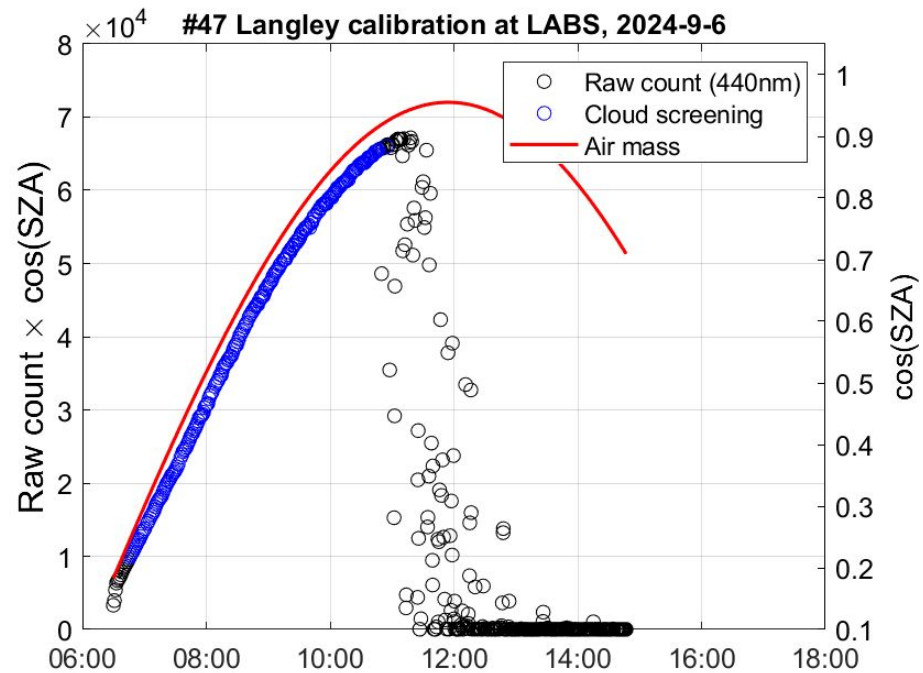


2024/9/10



More than 80 degree clearance of calibration platform has been achieved by clearing the trees around the platform.





AERONET sites in Asia



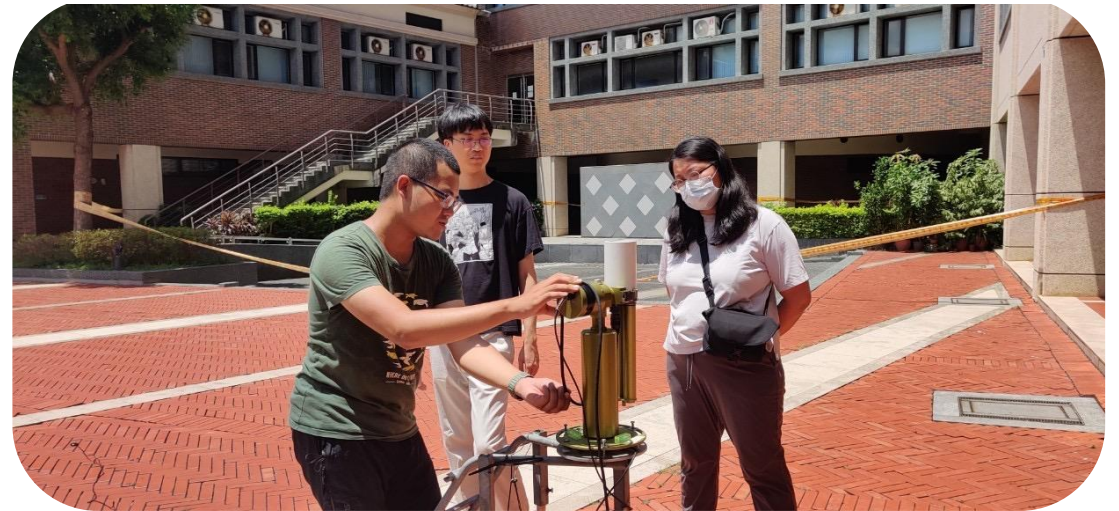
APAC Training Course

Hands-on Training Workshop on AERONET Cimel Sunphotometer

- Date: **11th November, 2024 (Before 7-SEAS meeting)**
- Venue: **Taipei**

The training will cover:

- Theoretical background of AOD, and cimel sunphotometer
- Hands-on training on installation, maintenance and troubleshooting cimel sunphotometer
- AERONET AOD data download, visualization, analysis and application



■
THANKS!

Welcome to contact me and have lunch together.

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Visit our new website at
<http://apac.atm.ncu.edu.tw/>



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