

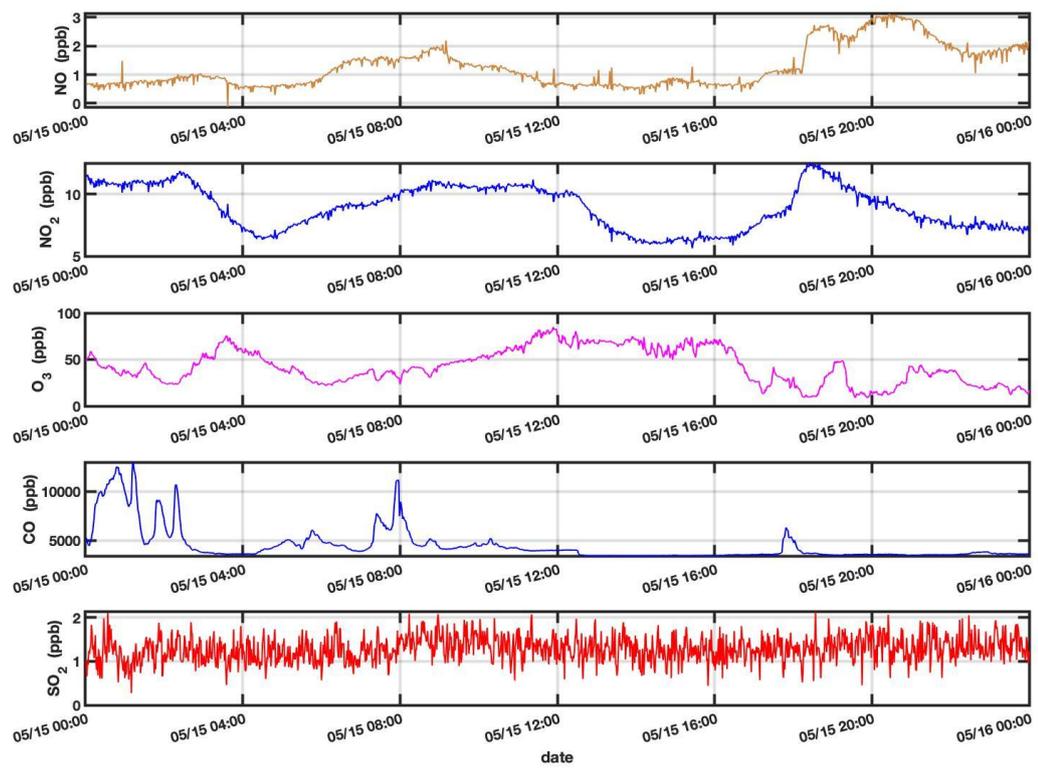
**2021 年 5 月 15 日**

**NUIST 站点**

## **大气-气溶胶-边界层-云综合观测实验日报**

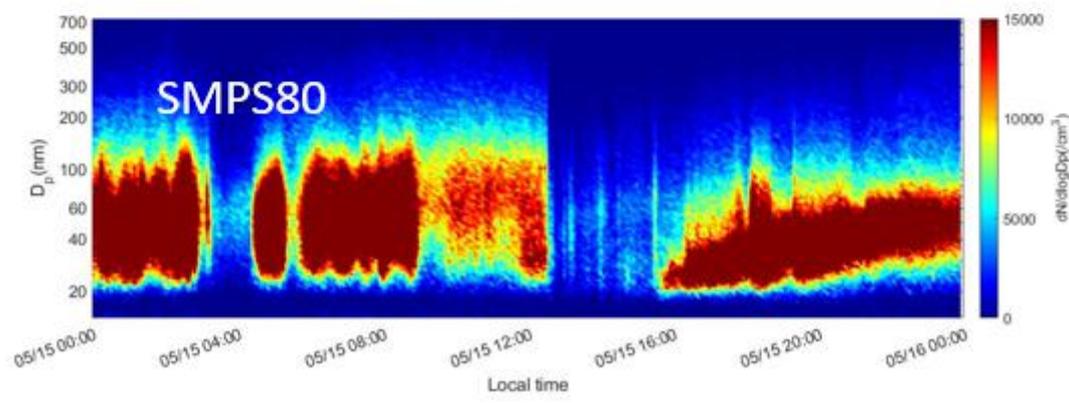
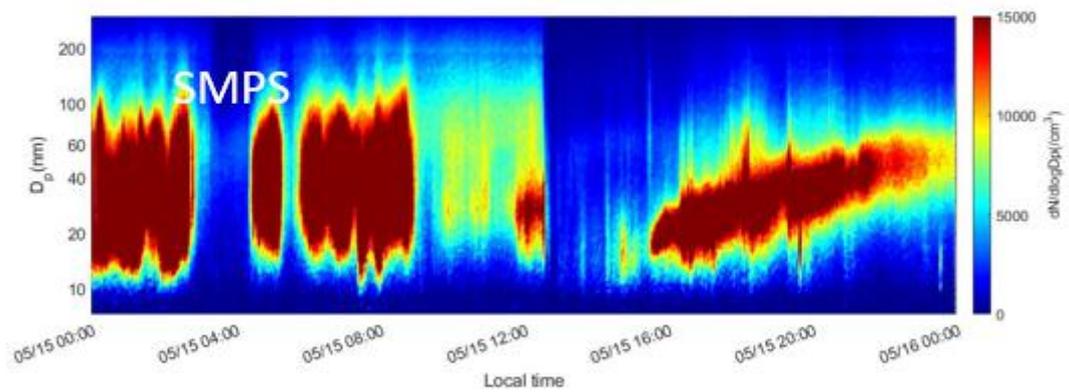
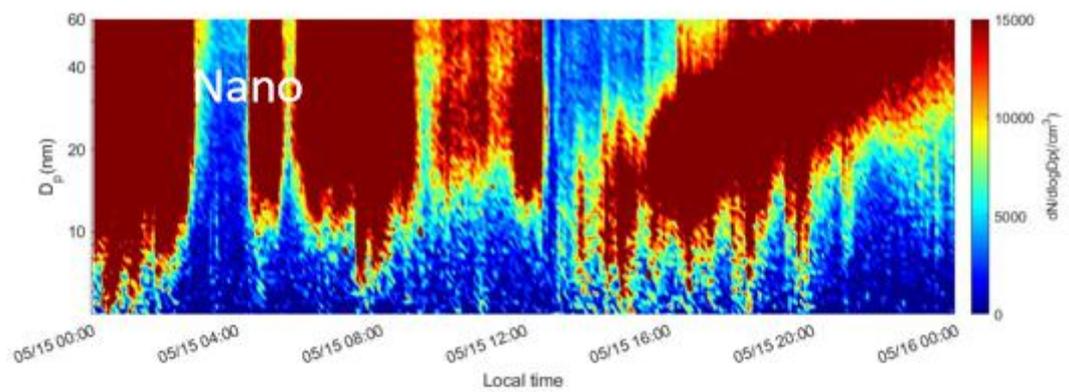
注：以下观测结果均为观测数据初步处理结果，仅做参考，不能代表最终观测结果。对观测感兴趣者，可联系：王玉莹  
([yuyingwang@nuist.edu.cn](mailto:yuyingwang@nuist.edu.cn))

### **1. 污染气体测量结果**



作图：杨子谦

## 2. 气溶胶数浓度粒子谱分布测量结果

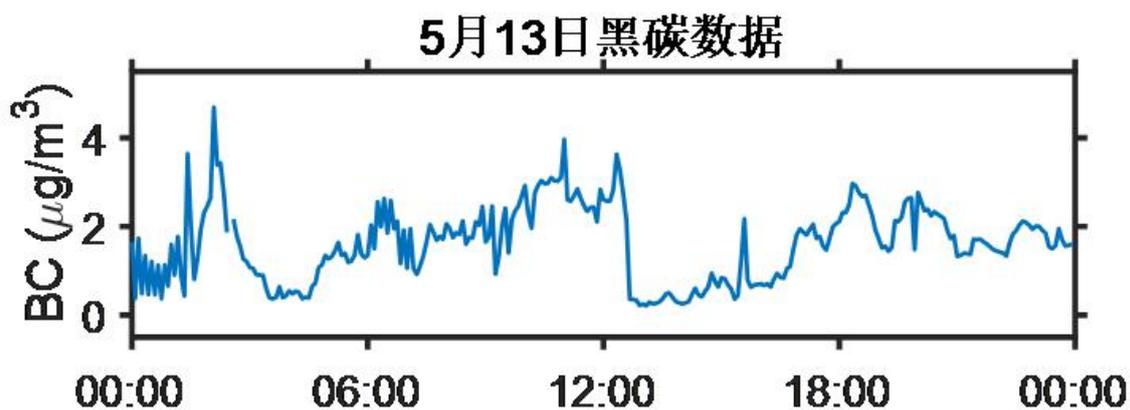


下午有新粒子生成事件

作图：王玉祥

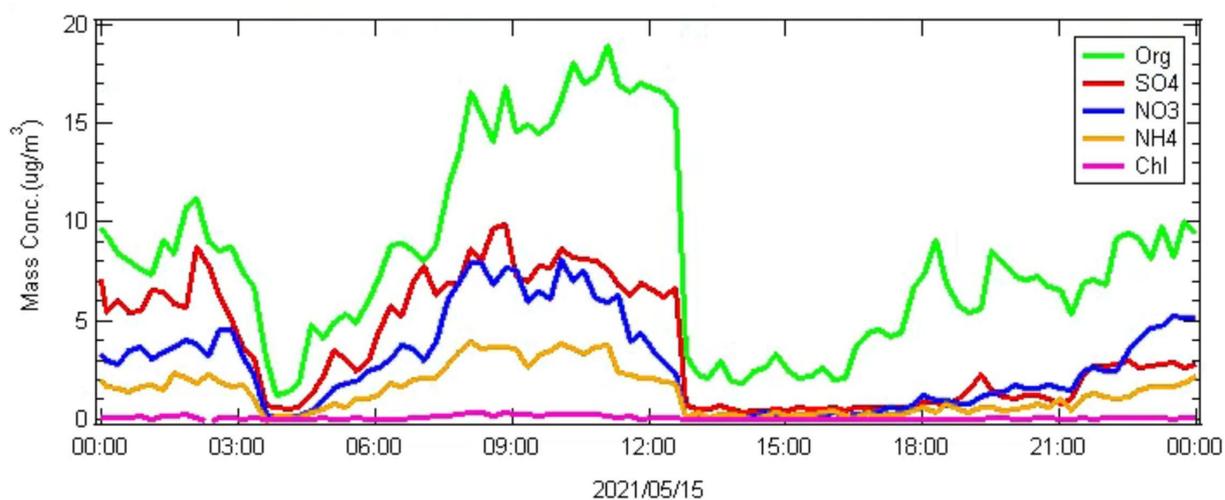
### 3. 气溶胶化学组分测量结果

AE-33:



作图：张睿

## ACSM:



作图：曾思琪

## 4. 双浊度仪

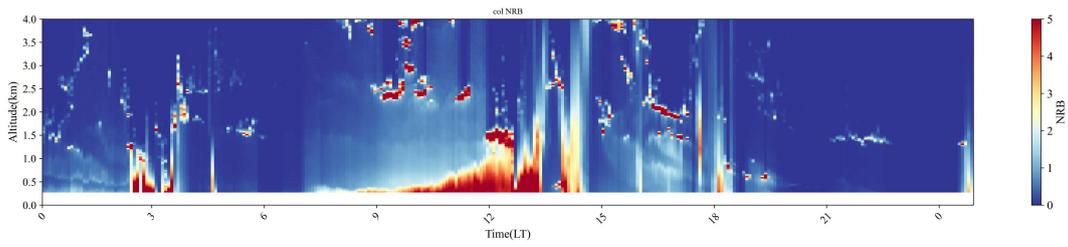
温湿传感器返厂标定中，目前正处于平行试验

## 5. 气溶胶加湿迁移差分分析仪

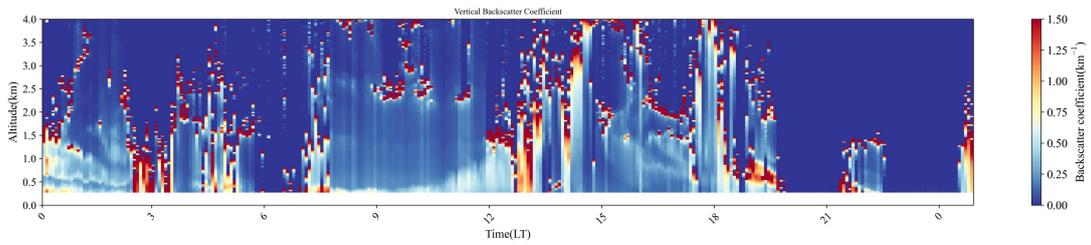
方舱发生渗水，目前已关闭主机电源

## 6. 微脉冲激光雷达 (MPL)

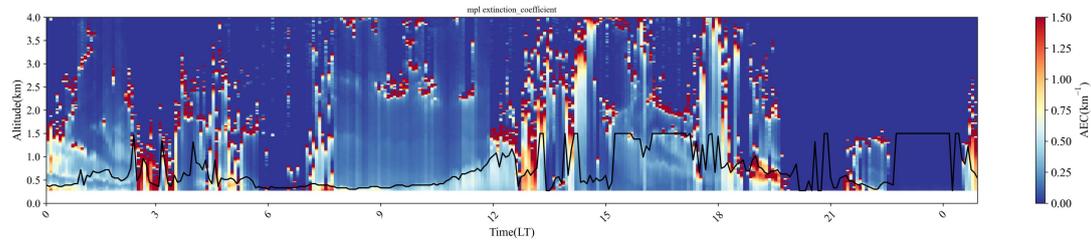
### (1) NRB



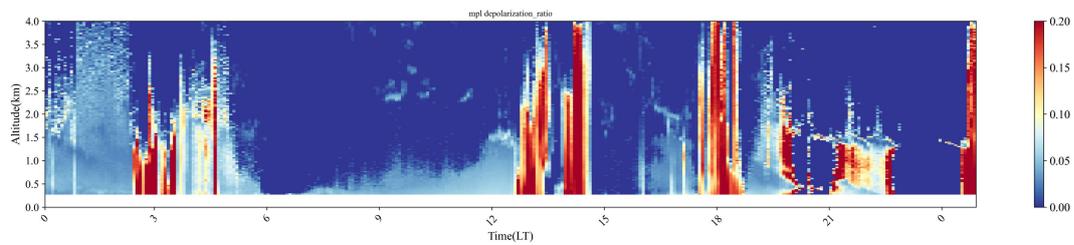
## (2) 后向散射系数



## (3) 消光系数与边界层高度



## (4) 退偏振比



作图：黄鑫

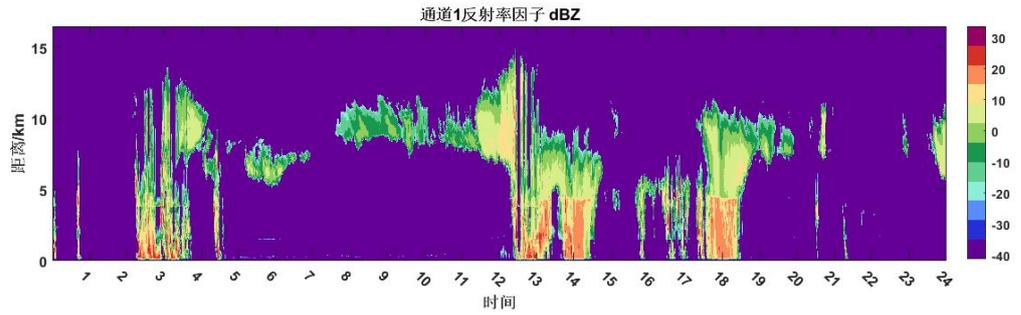
## 7. 3D 雷达

学校网络异常，无法连接电脑

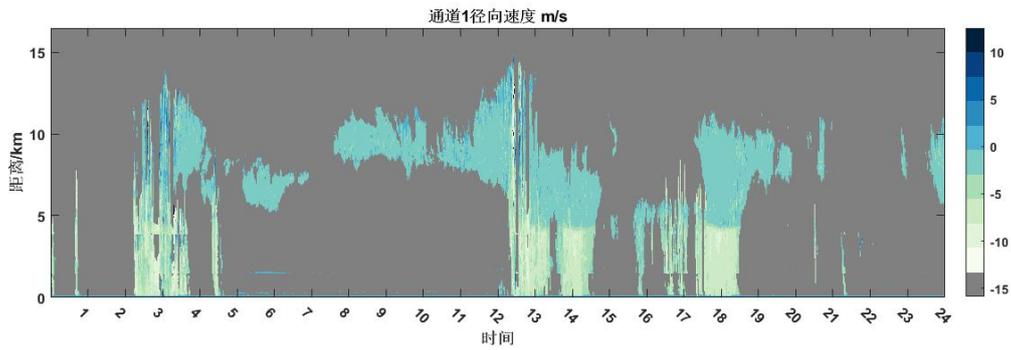
作图：黄鑫

## 8. 云雷达：

## (1) 反射率因子



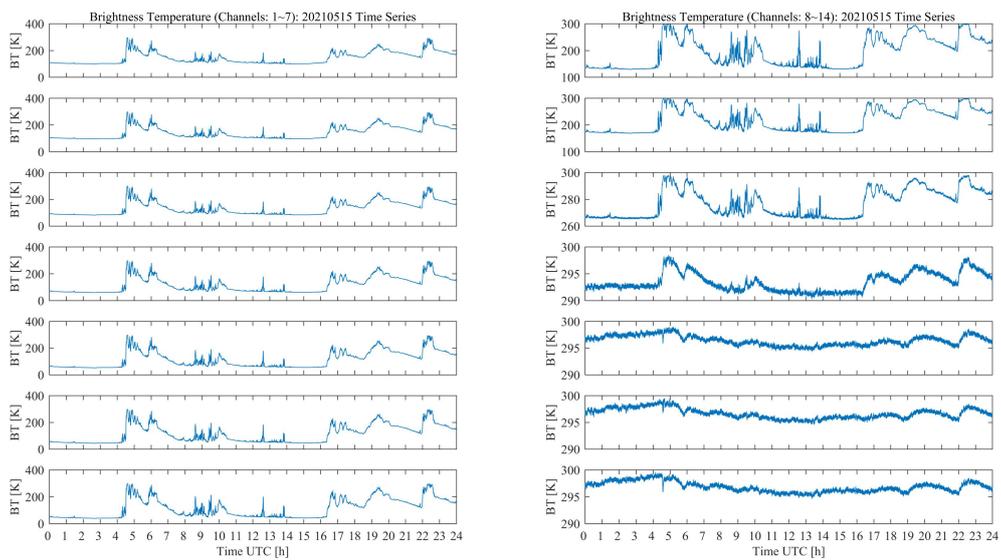
## (2) 径向速度



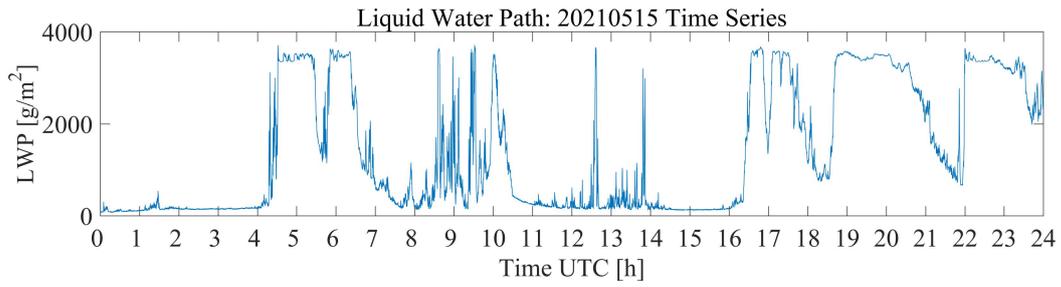
作图: 吴懿璇

## 9. 微波辐射计

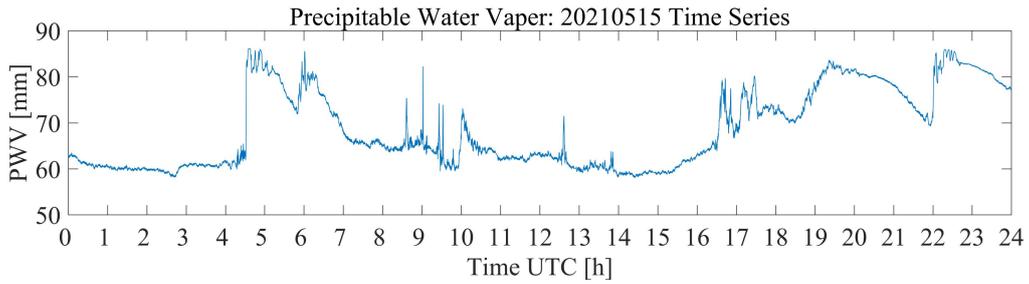
### (1) 亮温 (14 通道) 时序:



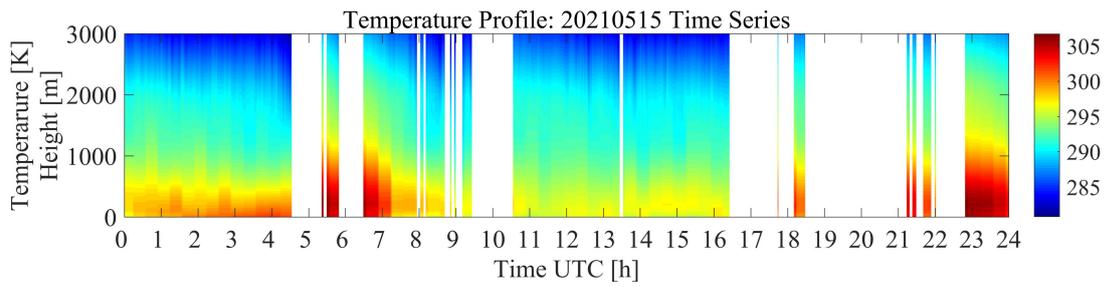
### (2) 液水路径时序:



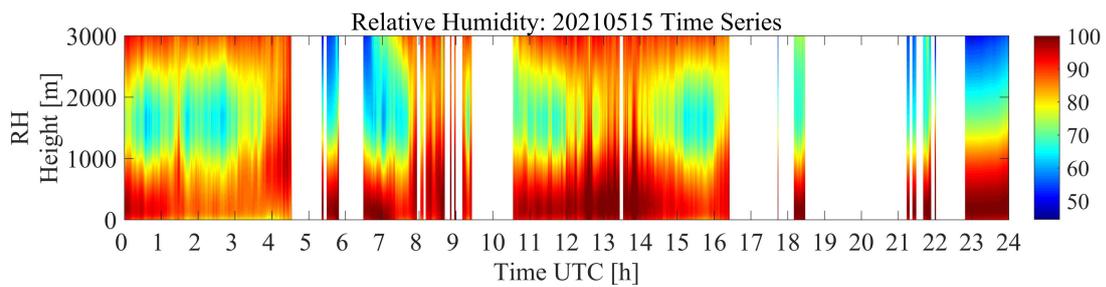
**(3) 可降水量时序:**



**(4) 边界层温度廓线时序:**



**(5) 边界层相对湿度廓线时序:**



作图：赏益