

**2020 年 12 月 30 日**

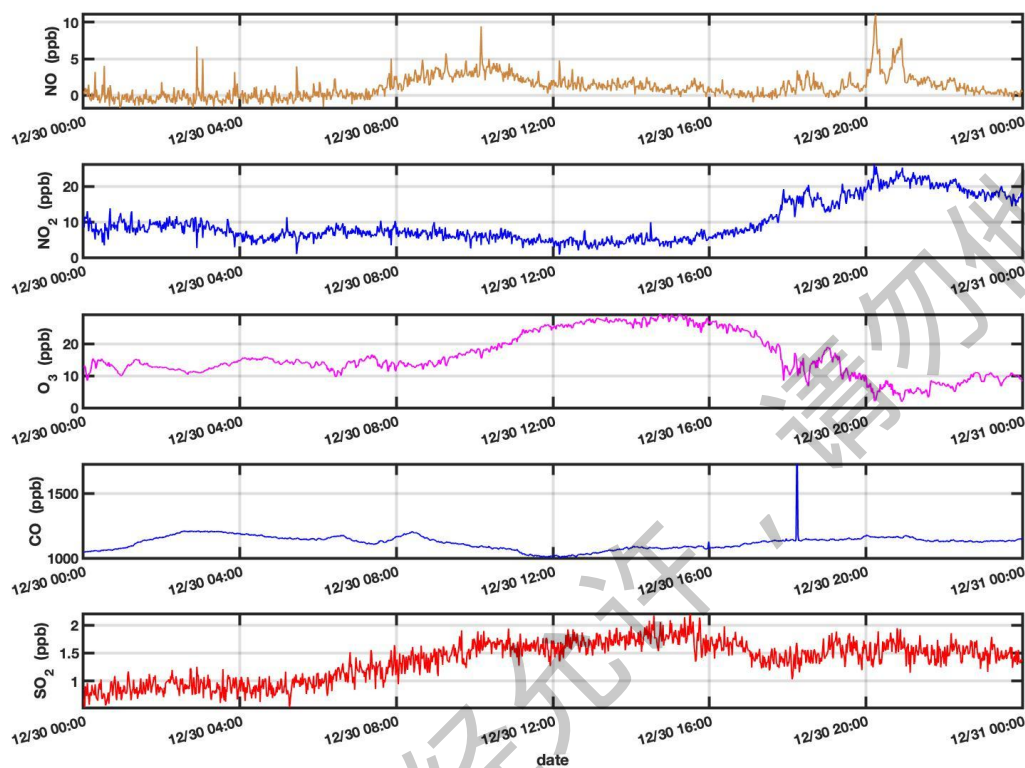
**NUIST 站点**

**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

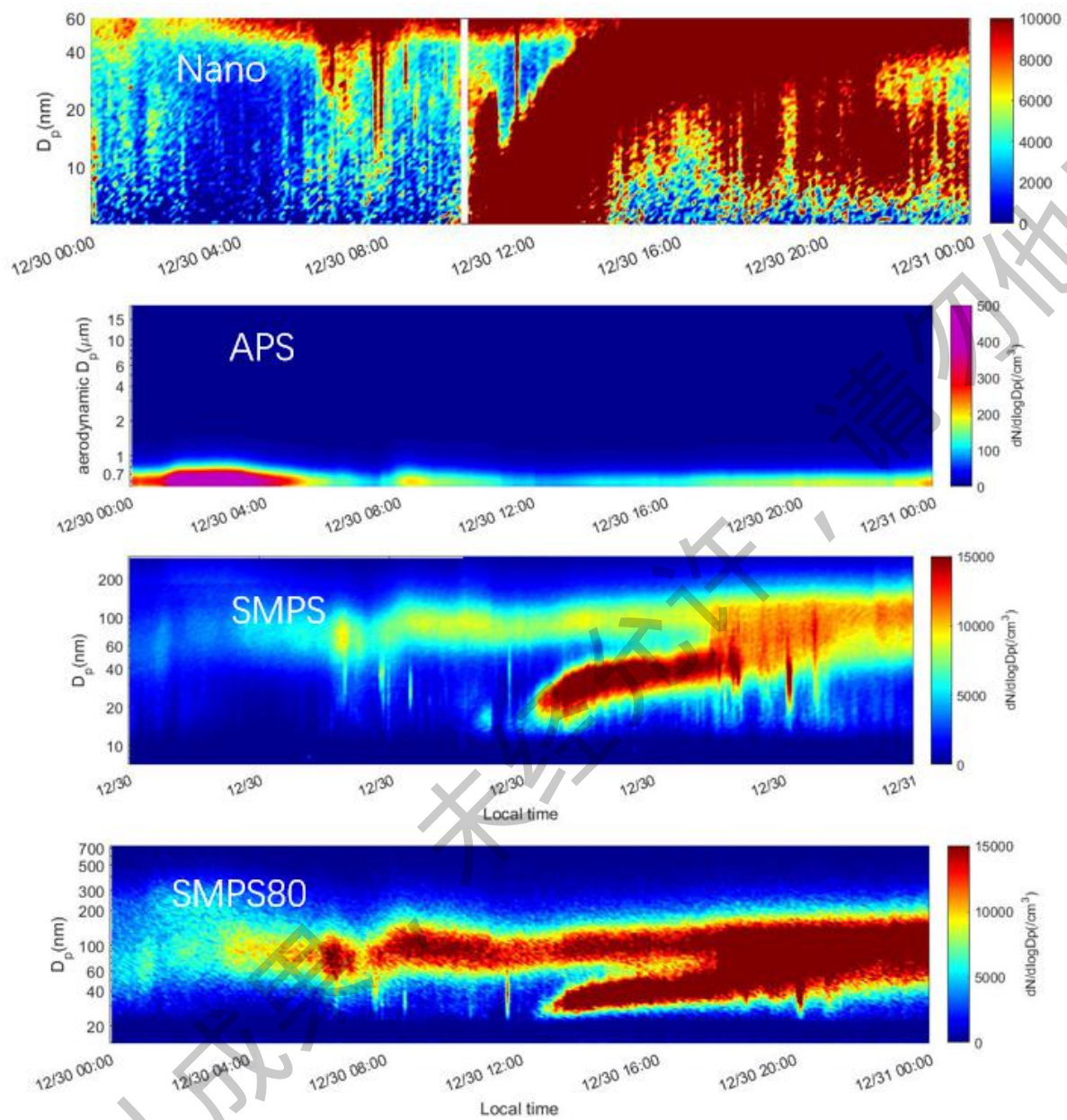
([yuyingwang@nuist.edu.cn](mailto:yuyingwang@nuist.edu.cn))

## 1. 污染气体测量结果



作图：杨子谦

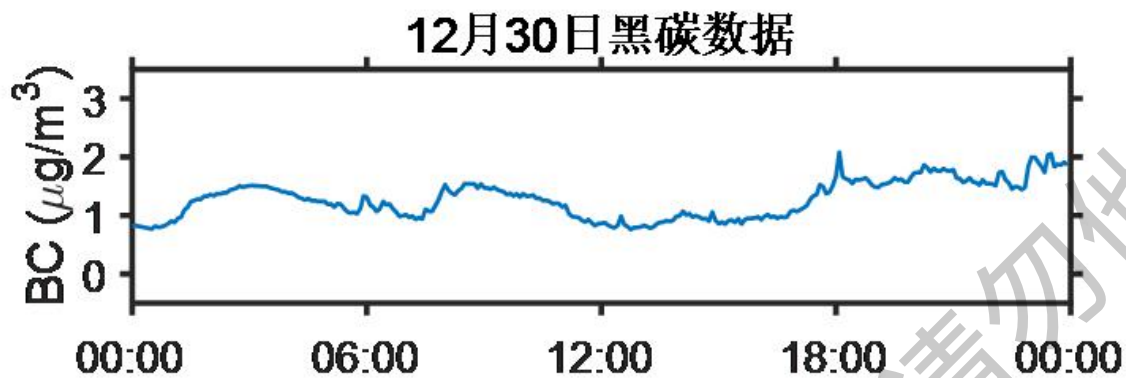
## 2. 气溶胶数浓度粒子谱分布测量结果



作图: 王玉祥

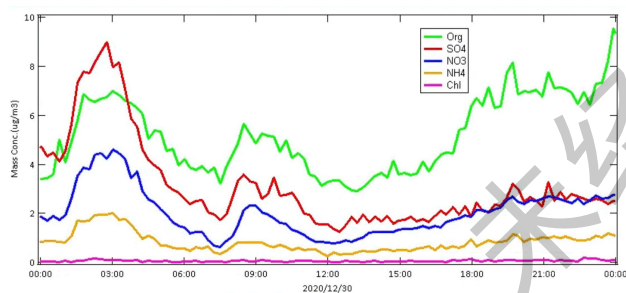
### 3. 气溶胶化学组分测量结果

#### 4. AE-33:



作图：张睿

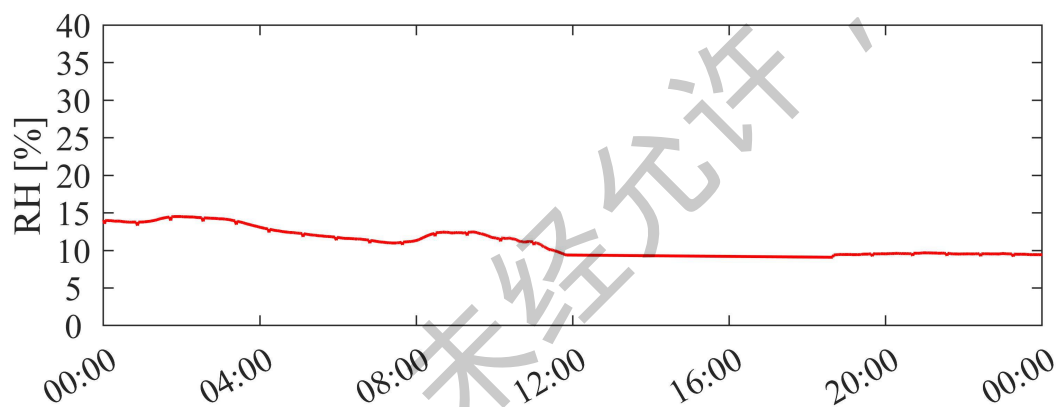
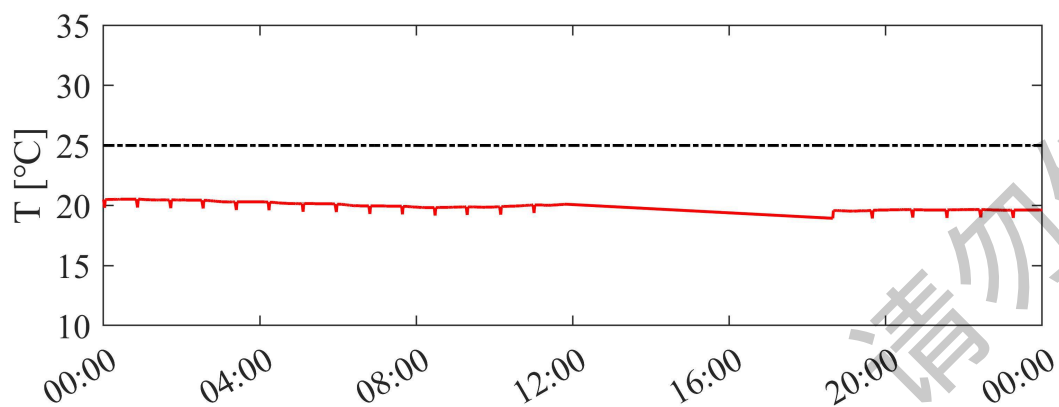
#### ACSM:



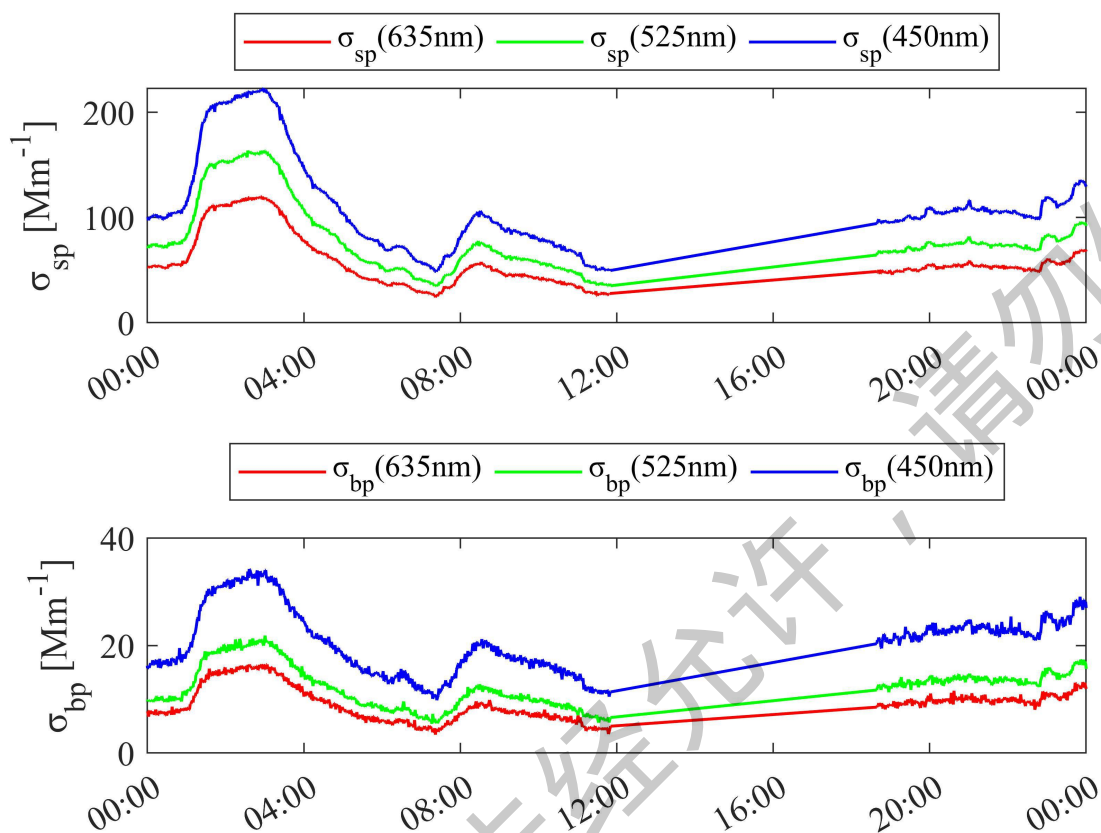
作图：曾思琪

## 5. 双浊度仪 (中午软件发生故障)

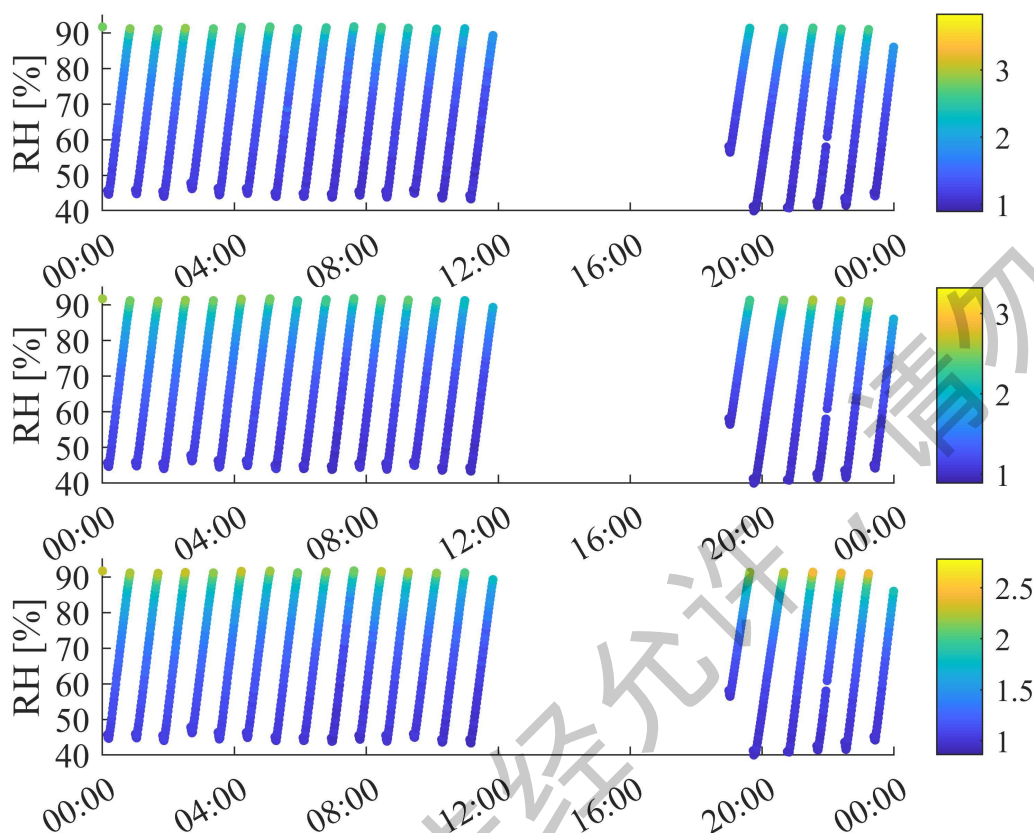
### 6. 4.1 样气温湿控制



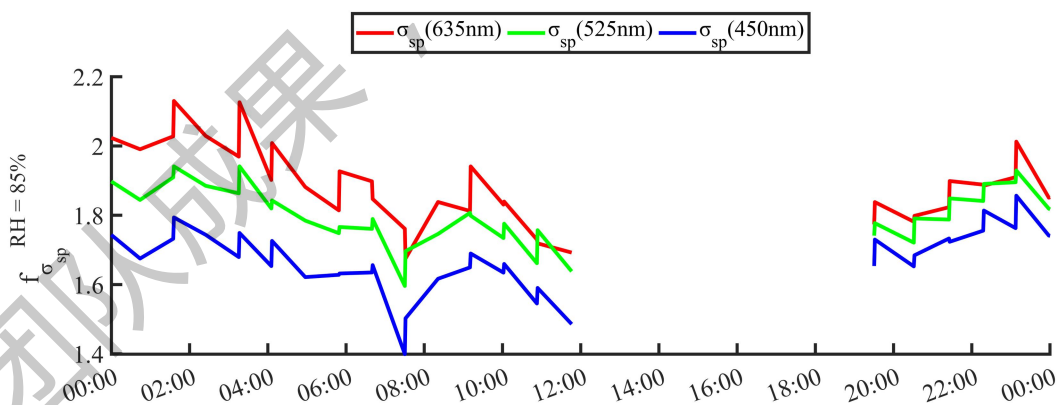
## 7. 4.2 散射系数及后向散射系数



### 8. 4.3 气溶胶散射系数吸湿性增强因子



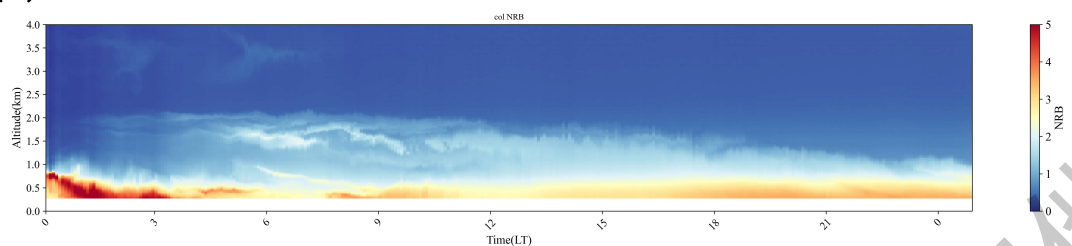
### 4.4 气溶胶散射系数吸湿性增强因子 (RH=85%)



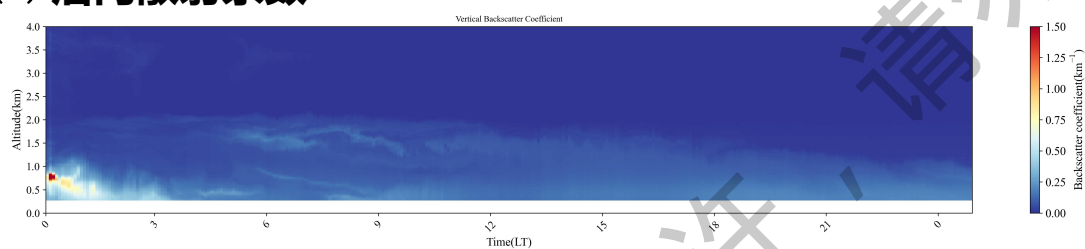
作图：胡嵘

## 9. 微脉冲激光雷达 (MPL)

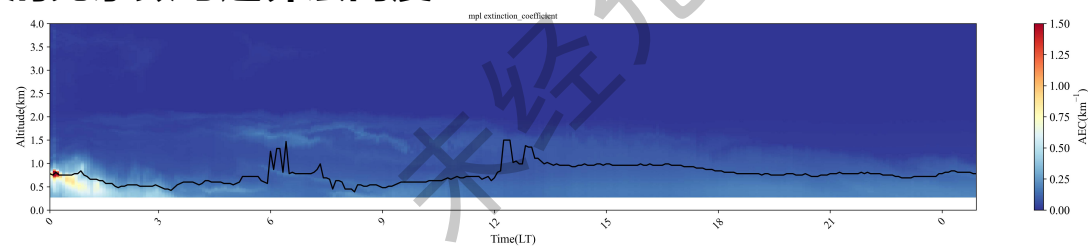
### (1) NRB



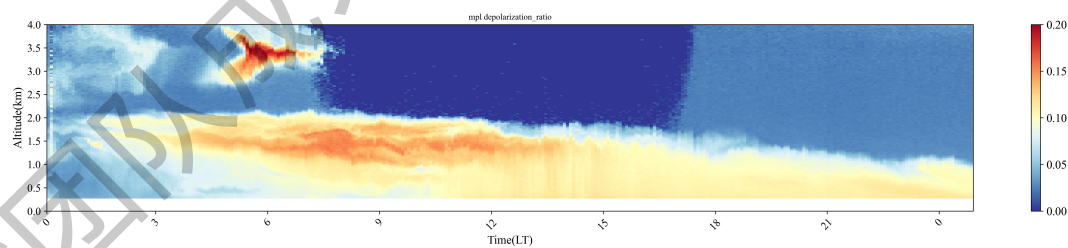
### (2) 后向散射系数



### (3) 消光系数与边界层高度



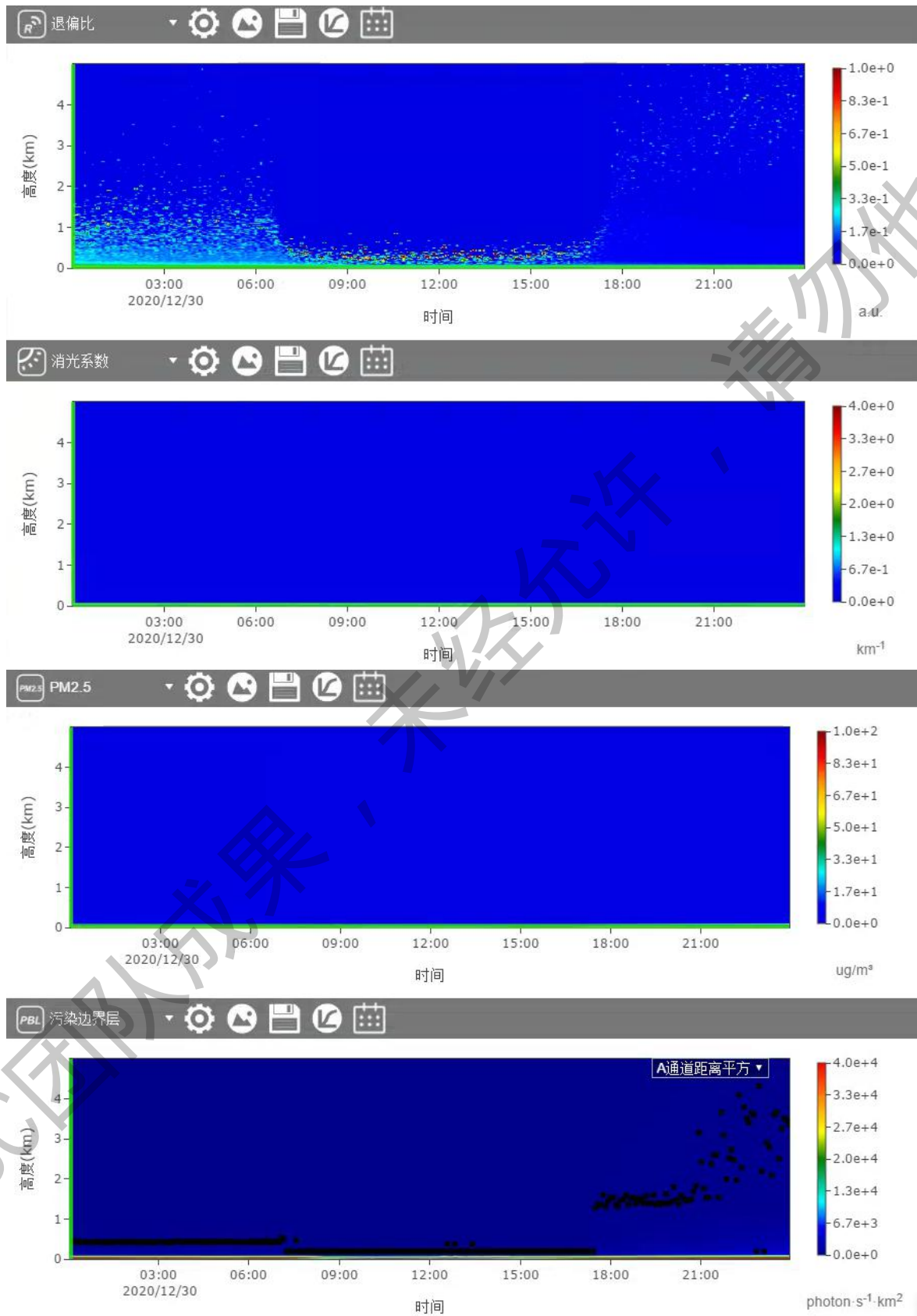
### (4) 退偏振比



作图: 黄鑫

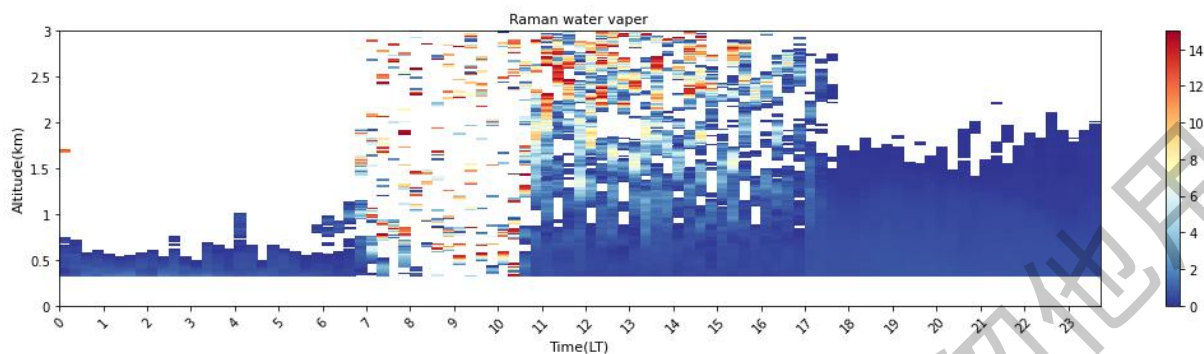


## 10. 3D 雷达



作图：张寒

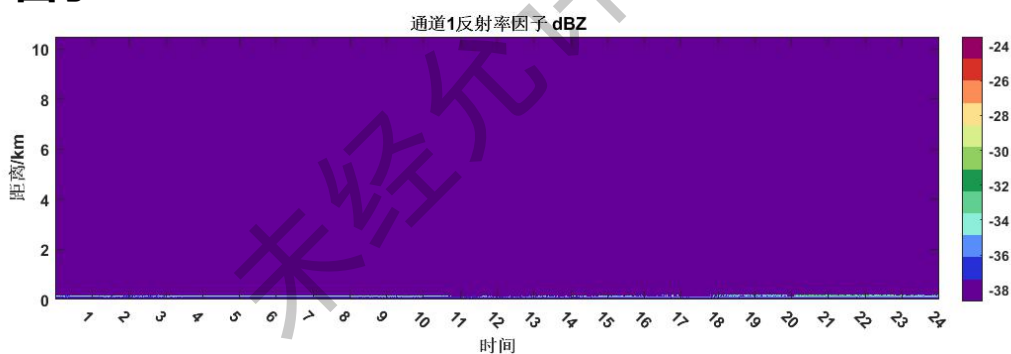
## 11. 拉曼激光雷达水汽图



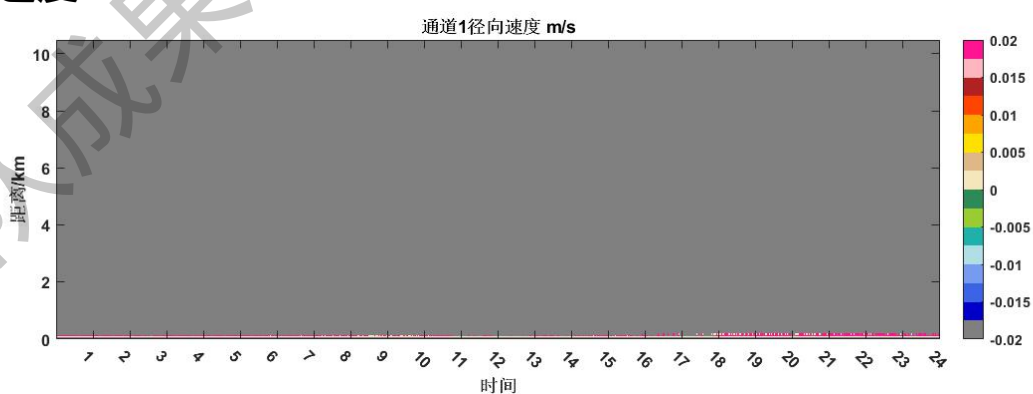
作图: 黄鑫

## 12. 云雷达:

### (1) 反射率因子



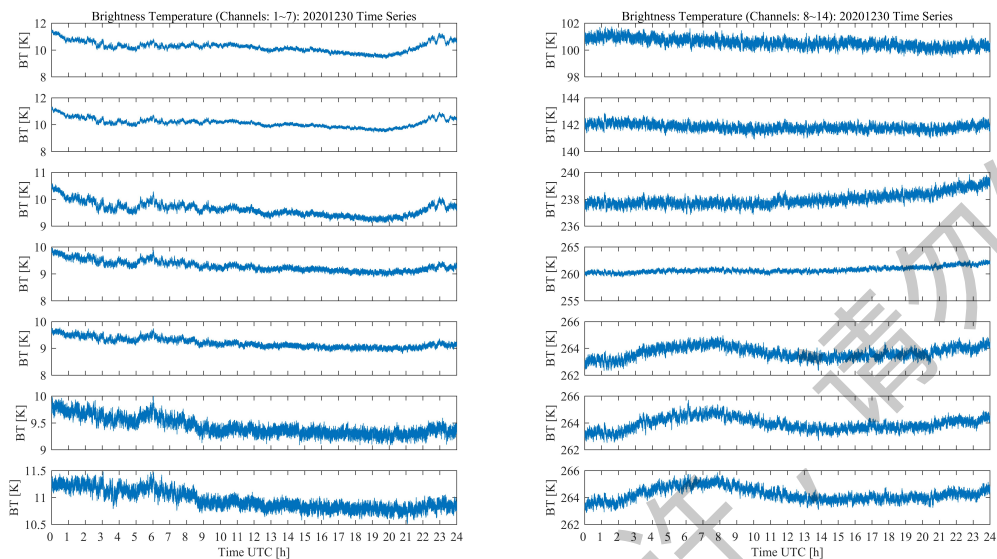
### (2) 径向速度



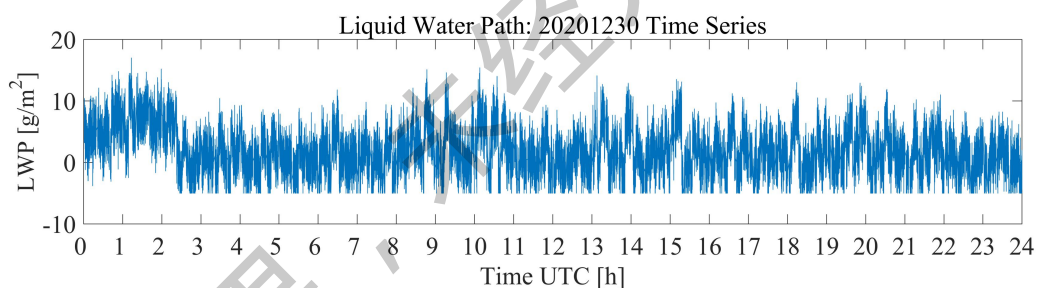
作图: 吴懿璇

### 13. MWR

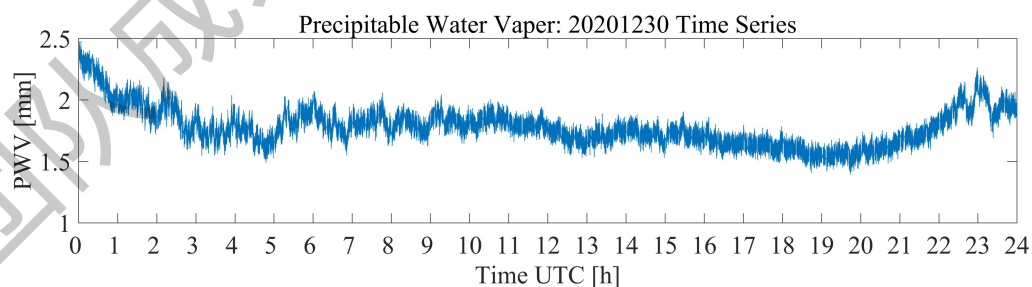
#### (1) 亮温 (14 通道) 时序:



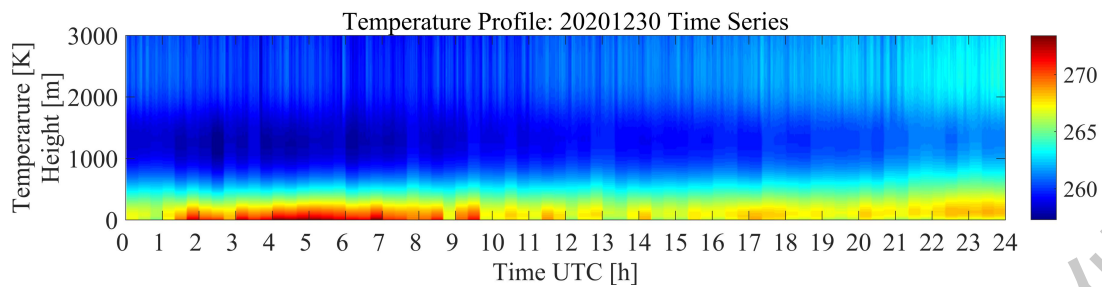
#### (2) 液水路径时序:



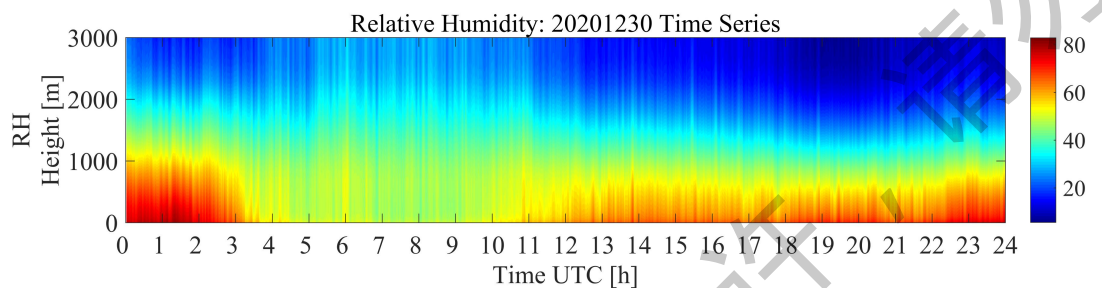
#### (3) 可降水量时序:



## 14. 边界层温度廓线时序:



## (4) 边界层相对湿度廓线时序:



作图: 赏益