

Table S3. Portable weather station parameter information

| Equipment | Parameter | Range | Accuracy |
|----------------------|-------------------|--|----------|
| Watchdog 2000 Series | Wind speed | 0.3 ~ 241 km/h | ±3 km/h |
| | Wind direction | 0° ~ 360° | ±4° |
| Weather Station | Air temperature | -40°C ~ 125°C | ±0.4°C |
| | Relative humidity | 0% ~ 100% | ±2% |
| | Solar radiation | 1 W/m ² ~ 1500 W/m ² | ±5% |