

# Meeting **BLUME** / **Airly** / **Urban Impact** 2020-06-11

**SenUVK:** Michael Hofmann, Katja Grunow, Andreas Kerschbaumer

**Airly:** Jakub Madej, Marcus Lukic-Walther

**Urban Impact:** Jonas Schorr

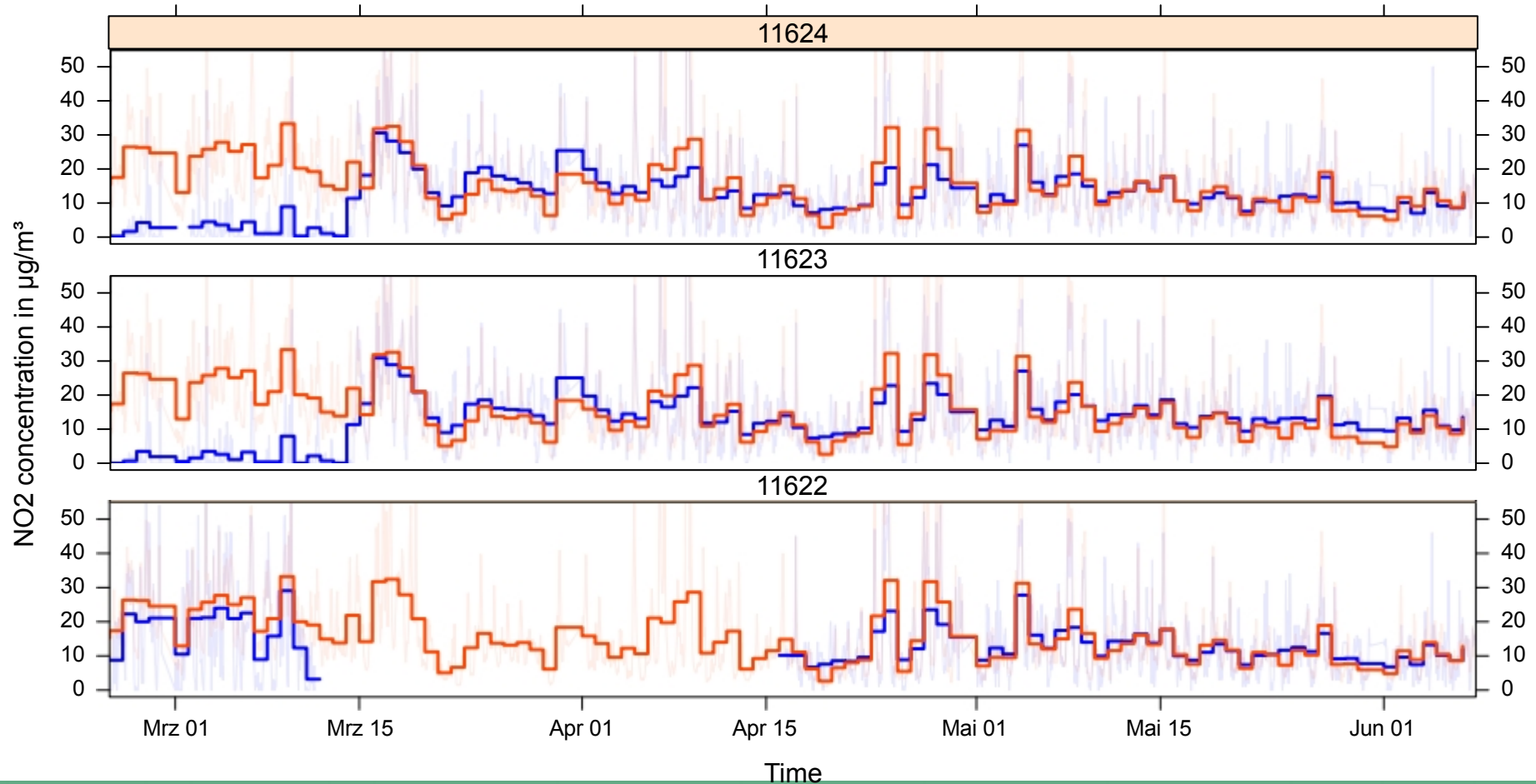
Senatsverwaltung für Umwelt, Verkehr und Klimaschutz Berlin

## 2. First experiences with Airly gas sensors

- Deployment of
  - 1 sensor (SO<sub>2</sub>/CO) at MC 174 (Frankfurter Allee)
  - 3 sensors (NO/NO<sub>2</sub>) at MC 171 (Brückenstraße)
  - 1 solar panel powered NO/NO<sub>2</sub> sensor at the ambient air sampling intake of the BLUME calibration laboratory
- Comparison measurements with measuring equipment of BLUME as a reference
- Failure of sensor 11622 in the period from 2020-03-12 to 2020-04-16 (power restart was necessary)
- Sensor calibration by Airly on 2020-03-14

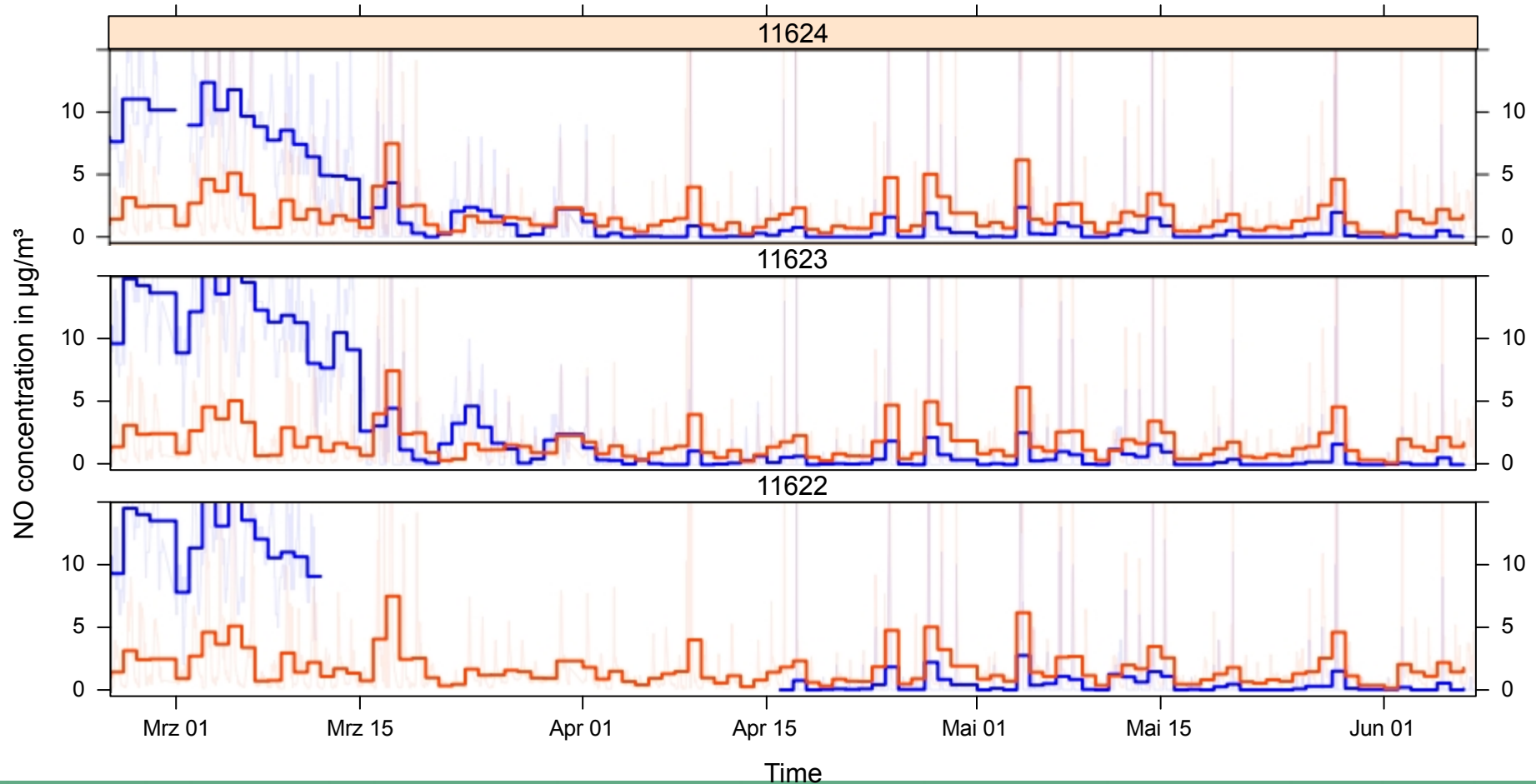
## 2. First experiences with Airly gas sensors

- Data comparison (NO<sub>2</sub> - Airly and BLUME)



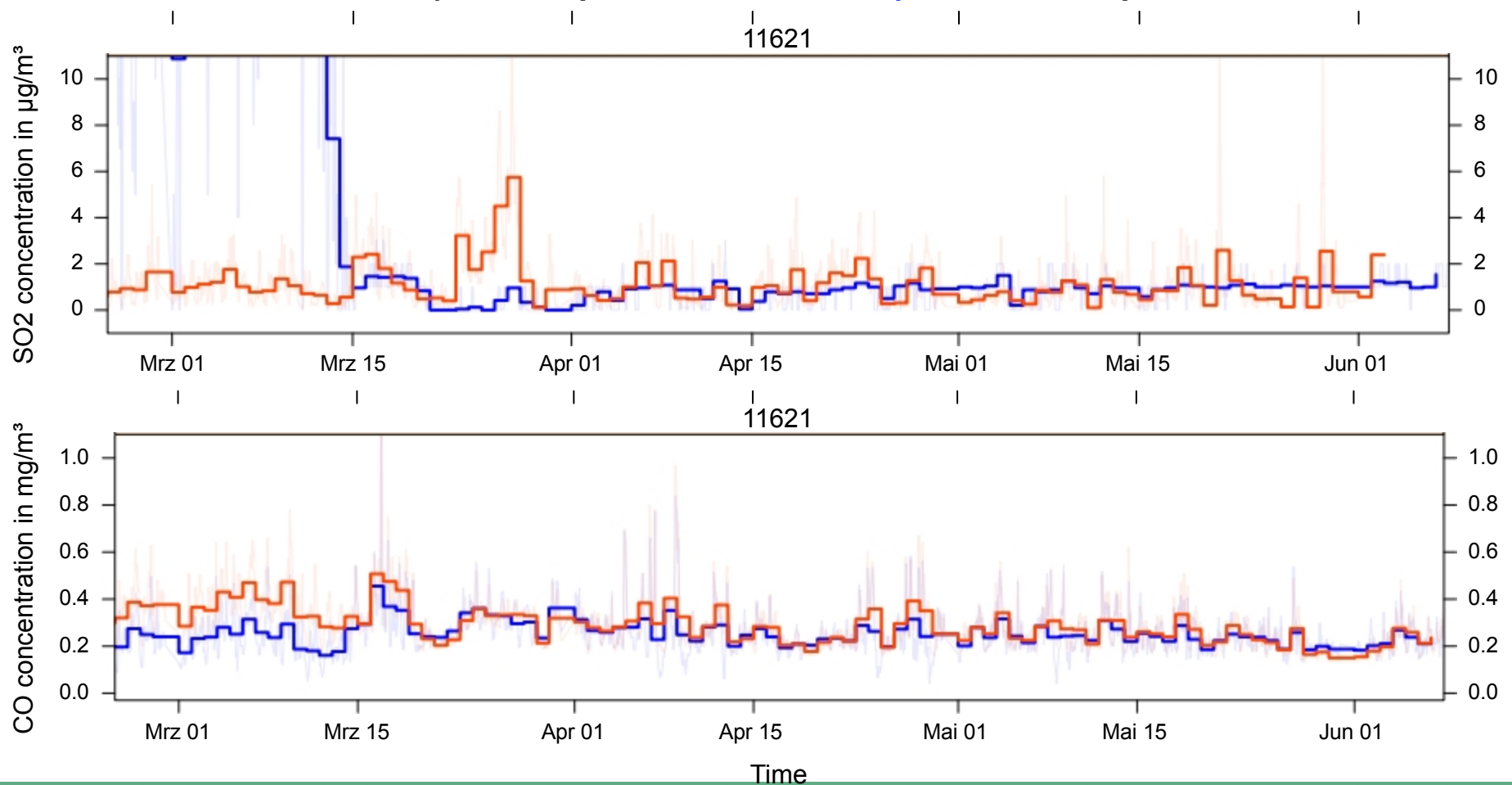
## 2. First experiences with Airly gas sensors

- Data comparison (NO - **Airly** and **BLUME**)

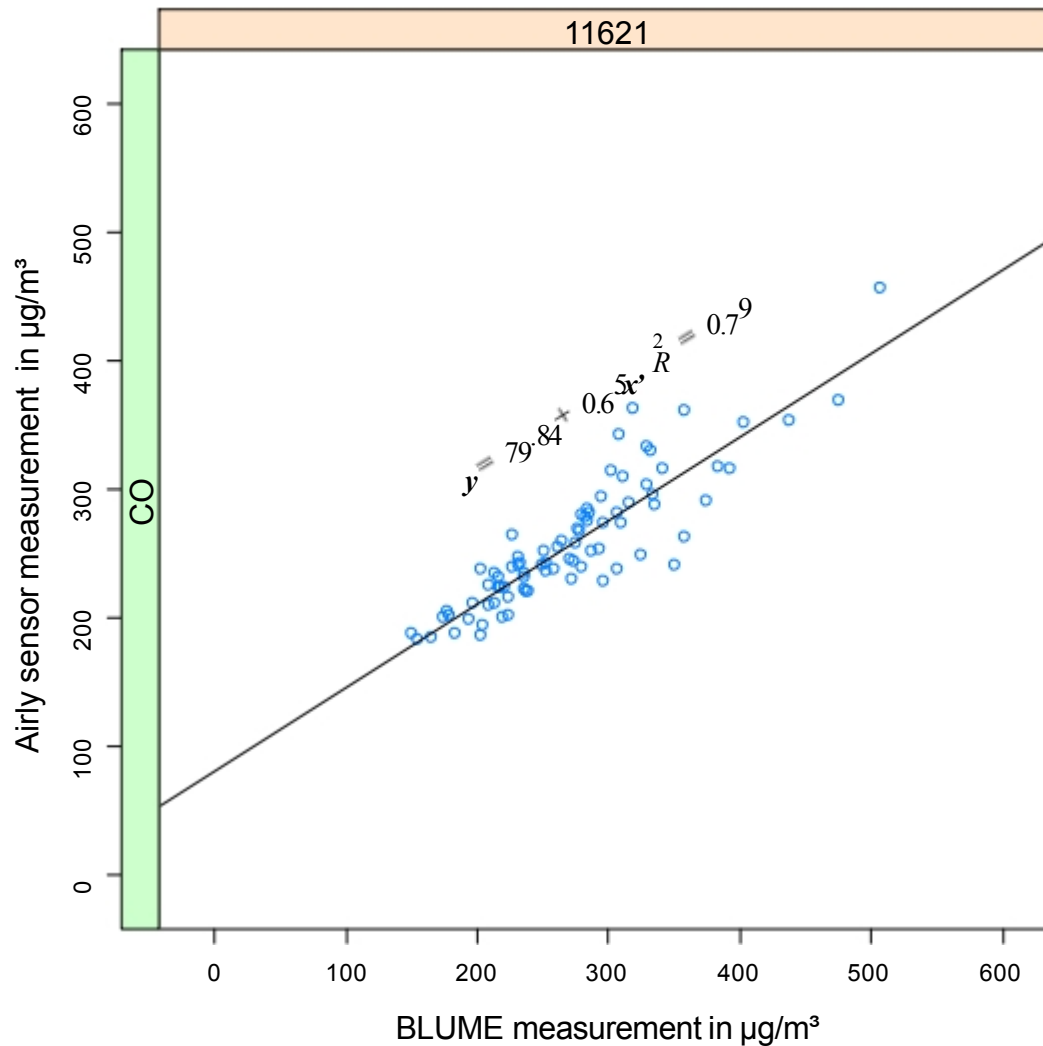


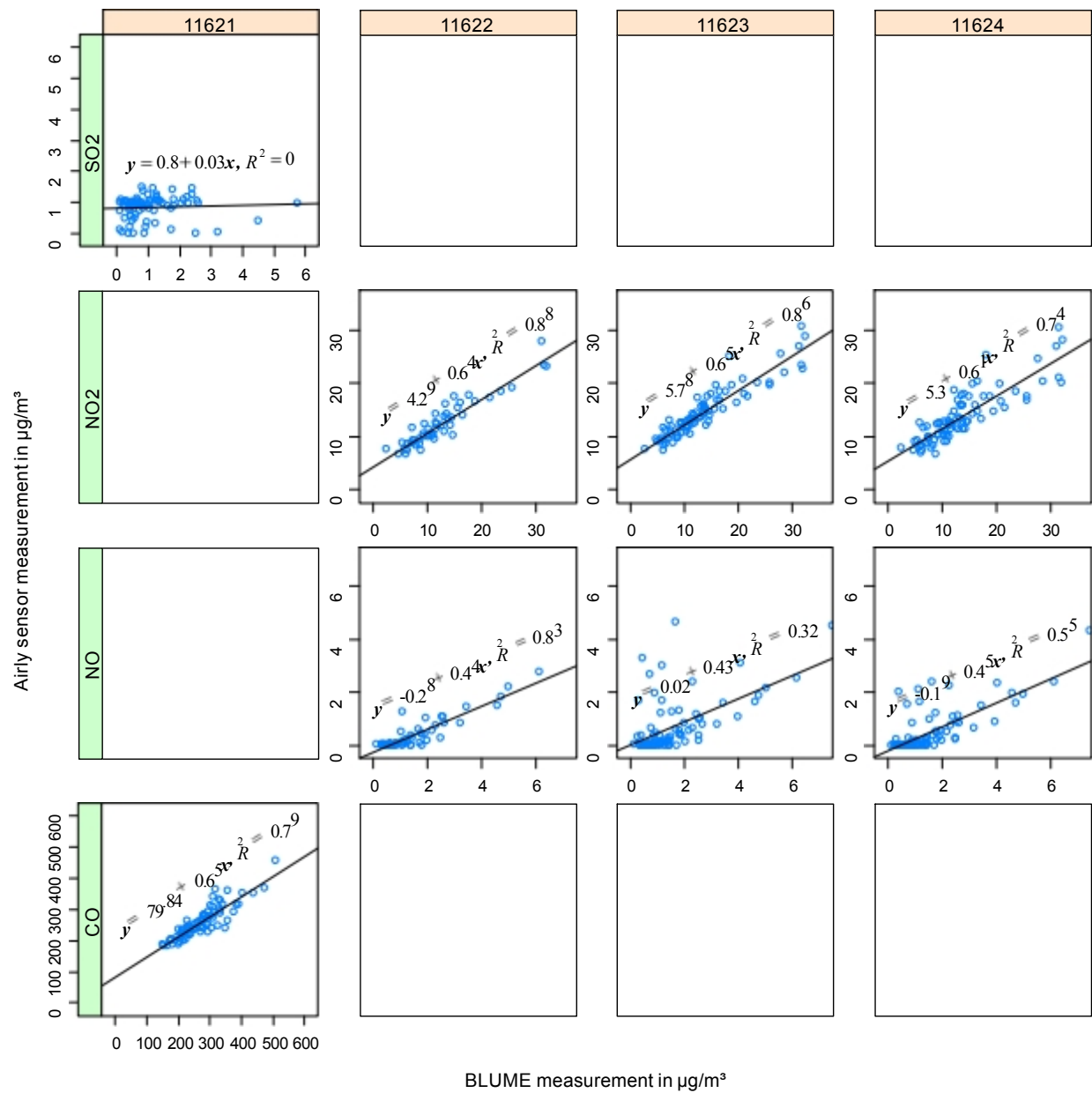
## 2. First experiences with Airly gas sensors

- Data comparison (SO<sub>2</sub> and CO - Airly and BLUME)



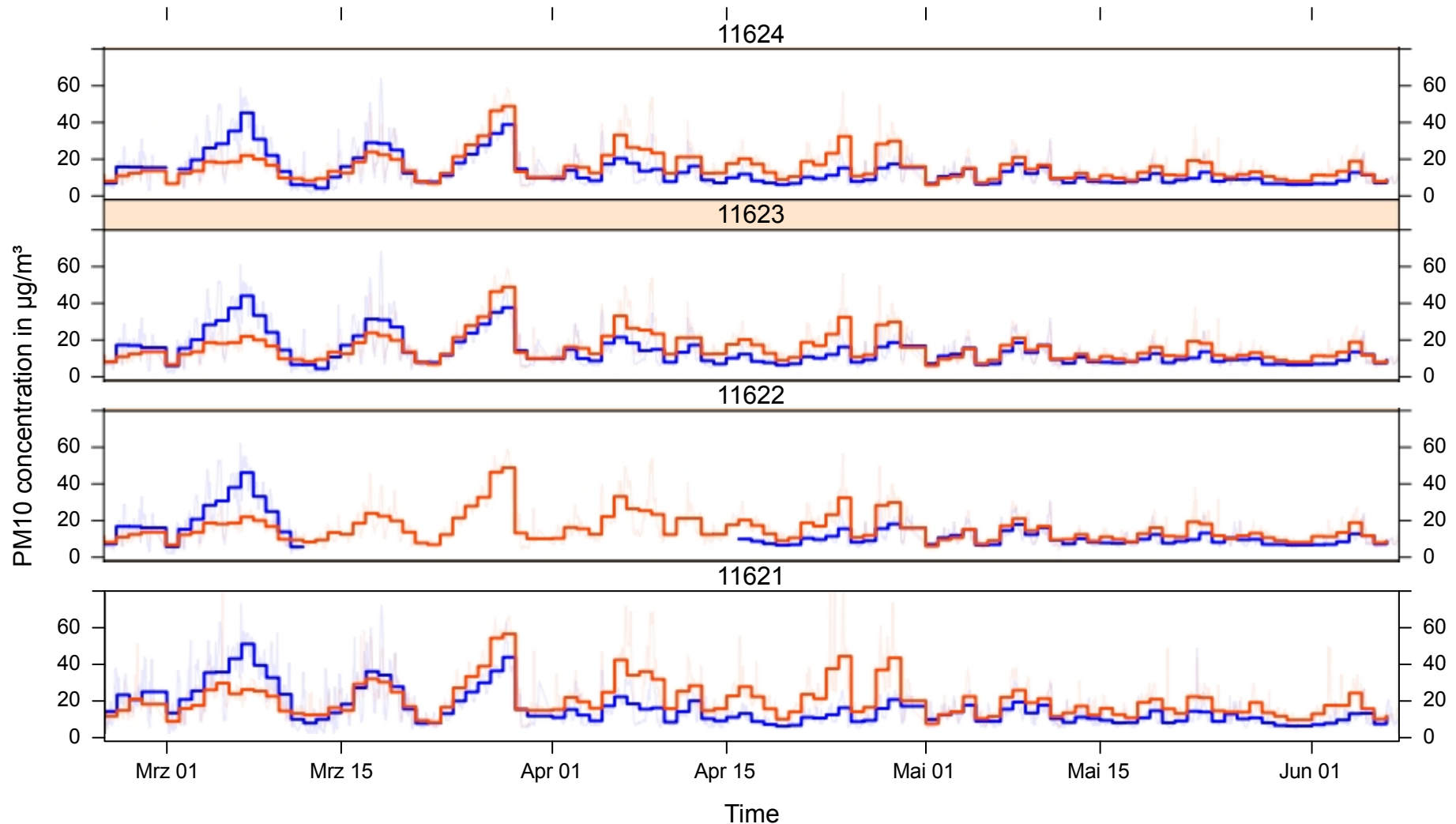
## 2. First experiences with Airly gas sensors





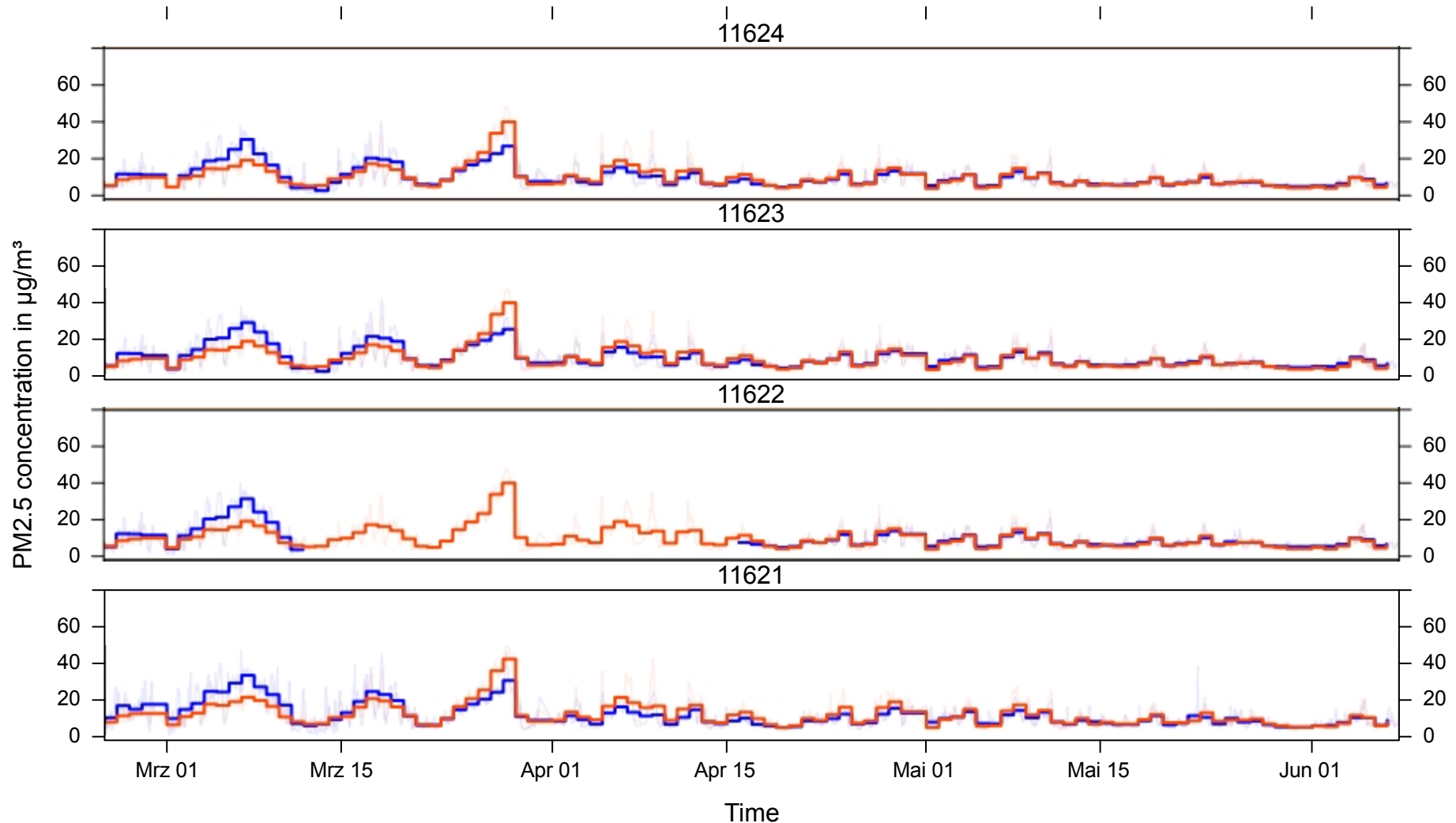
BLUME measurement in  $\mu\text{g}/\text{m}^3$

## 2. First experiences with Airly gas sensors (PMx)

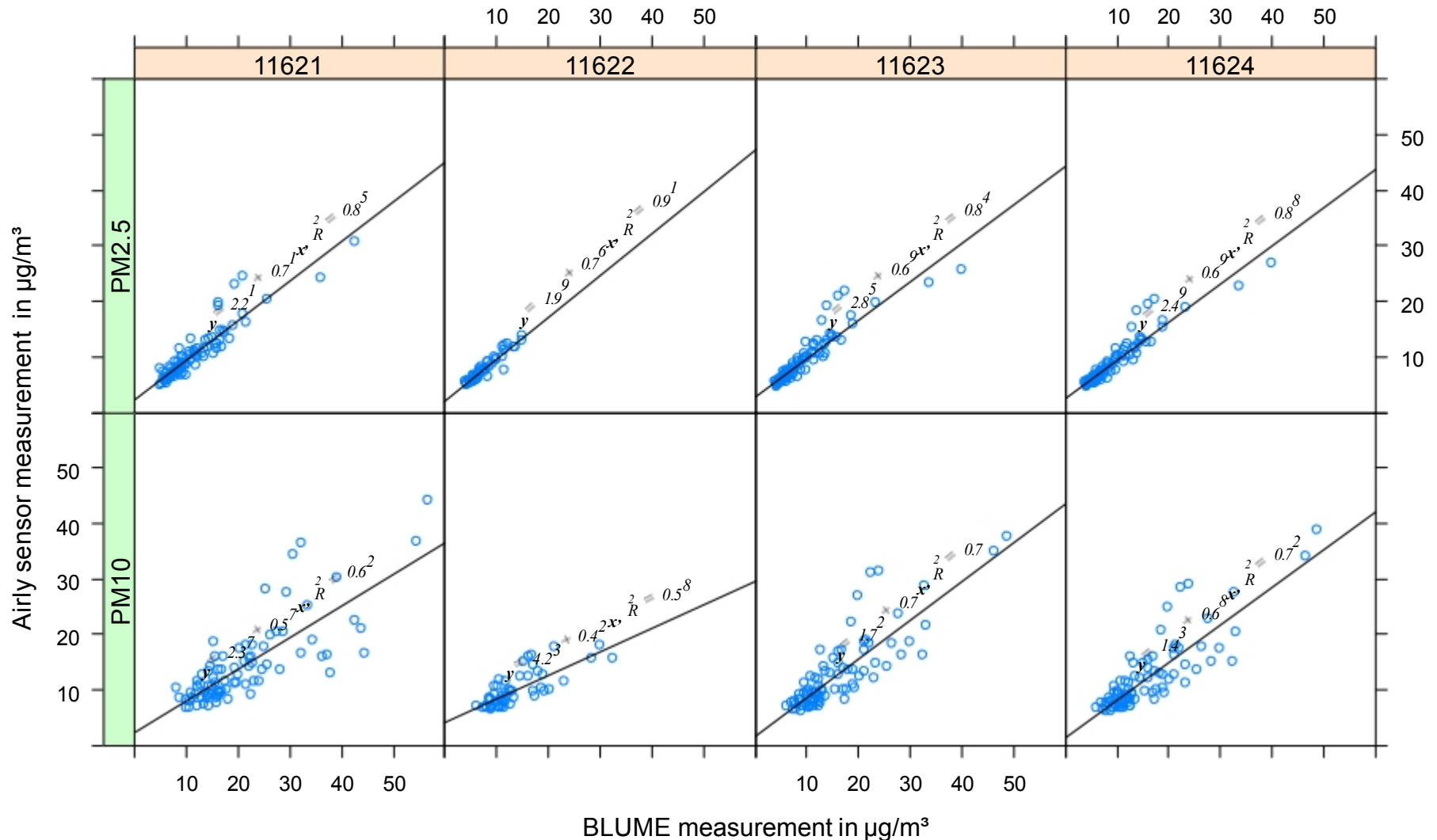




## 2. First experiences with Airly gas sensors (PMx)



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**Thank you for your attention!**

Further information under:  
<https://luftdaten.berlin.de/lqi>