



#### **NOX FLUXES**

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## Airborne fluxes over London





Vaughan et al., 2016



### Airborne fluxes over London



NO

NO2

NOx

Vaughan et al., 2016



#### Airborne fluxes over London



Standard NAEI

NAEI + RSD Road Transport Emissions

50% increase in  $NO_x$  emission

## Ground fluxes

• NO<sub>x</sub> measurements at the British Telecom Tower

• 177 m

- Beijing measurement tower •
- 300 m







## Ground fluxes in London



![](_page_6_Picture_0.jpeg)

## Ground fluxes in Beijing

**Future Work and Supporting Inventory Development** 

![](_page_6_Figure_3.jpeg)

![](_page_7_Picture_0.jpeg)

# EddyPro vs Eddy4R wavelet

![](_page_7_Figure_2.jpeg)

# AGU Fall Meeting 2017

- W. Drysdale Eddy Covariance Measurements Assessing NOx Emission in London
  - Thursday 11:20 11:35
  - A42E-05, Room 393-394

- F. Squires Measurement of NOx and CO Fluxes from a Tall Tower in Beijing
  - Thursday 13:40 18:00
  - Poster Hall D-F, 2533