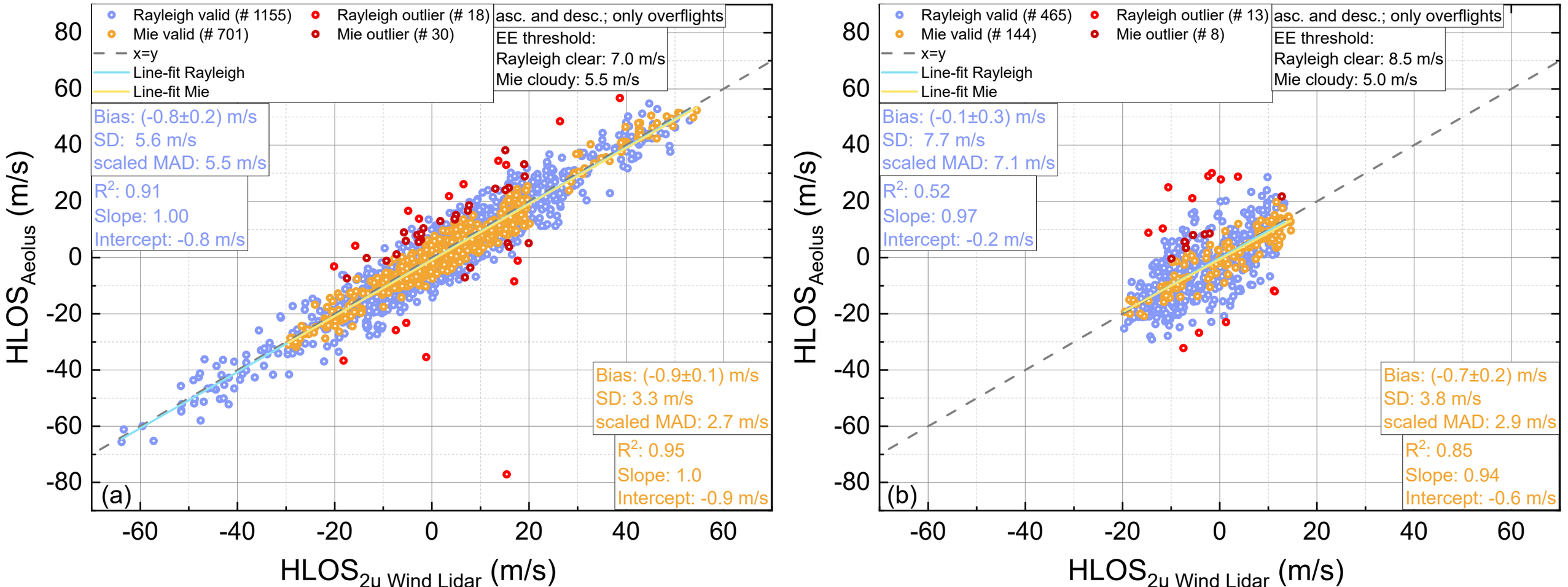
Rayleigh valid (# 1155)
Mie valid (# 701)
x=y
Line-fit Rayleigh
Line-fit Mie
Rayleigh outlier (# 18)
Mie outlier (# 30)
asc. and desc.; only overflights
EE threshold:
Rayleigh clear: 7.0 m/s
Mie cloudy: 5.5 m/s
Bias: (-0.8±0.2) m/s
SD: 5.6 m/s
scaled MAD: 5.5 m/s
R2: 0.91
Slope: 1.00
Intercept: -0.8 m/s
Bias: (-0.9±0.1) m/s
SD: 3.3 m/s
scaled MAD: 2.7 m/s
R2: 0.95
Slope: 1.0
Intercept: -0.9 m/s
(a)
HLOSAeolus (m/s)
HLOS2µ Wind Lidar (m/s)
Rayleigh valid (# 465)
Mie valid (# 144)
x=y
Line-fit Rayleigh
Line-fit Mie
Rayleigh outlier (# 13)
Mie outlier (# 8)
asc. and desc.; only overflights
EE threshold:
Rayleigh clear: 8.5 m/s
Mie cloudy: 5.0 m/s
Bias: (-0.1±0.3) m/s
SD: 7.7 m/s
scaled MAD: 7.1 m/s
R2: 0.52
Slope: 0.97
Intercept: -0.2 m/s
Bias: (-0.7±0.2) m/s
SD: 3.8 m/s
scaled MAD: 2.9 m/s
R2: 0.85
Slope: 0.94
Intercept: -0.6 m/s
(b)
HLOSAeolus (m/s)
HLOS2µ Wind Lidar (m/s)