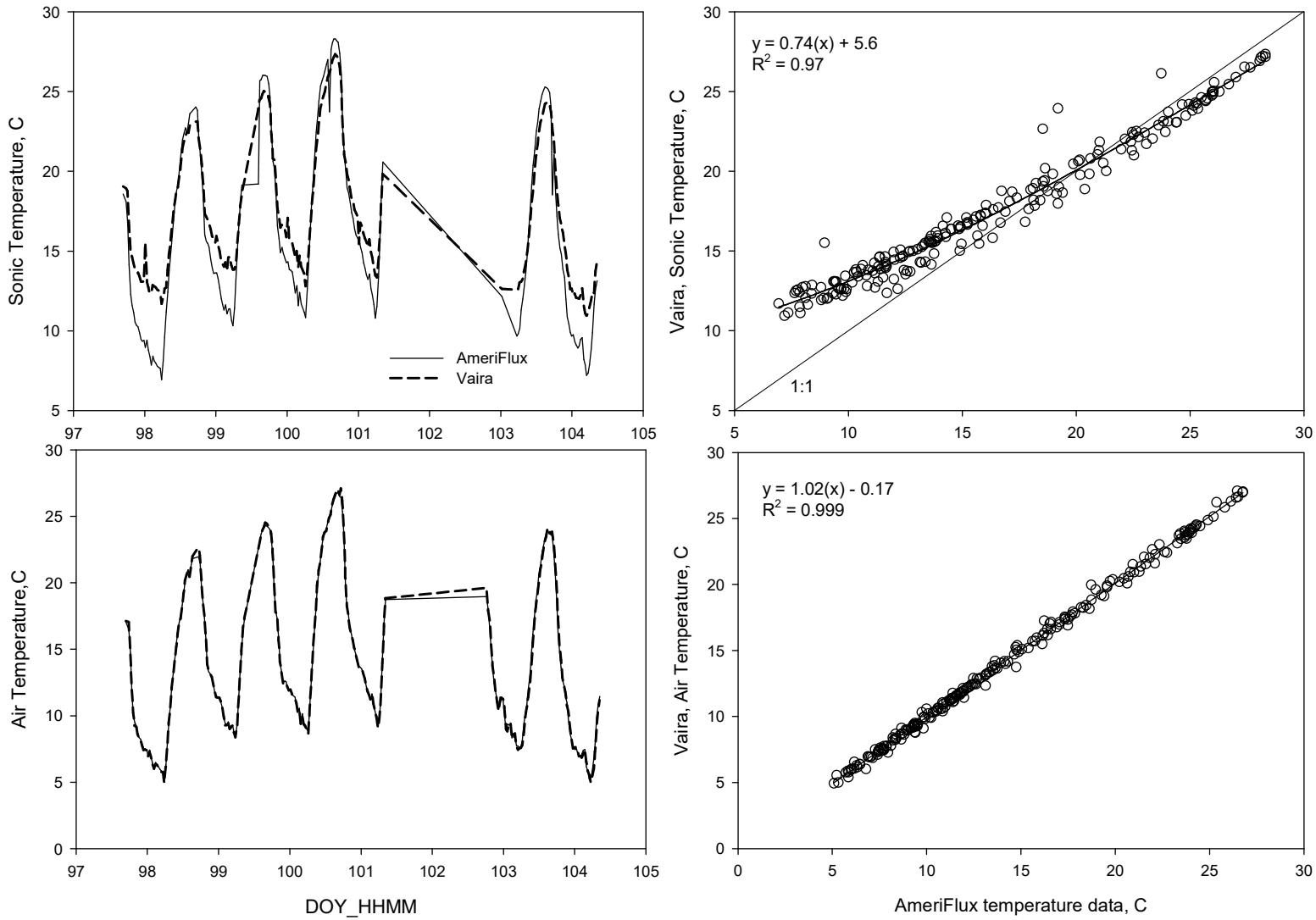
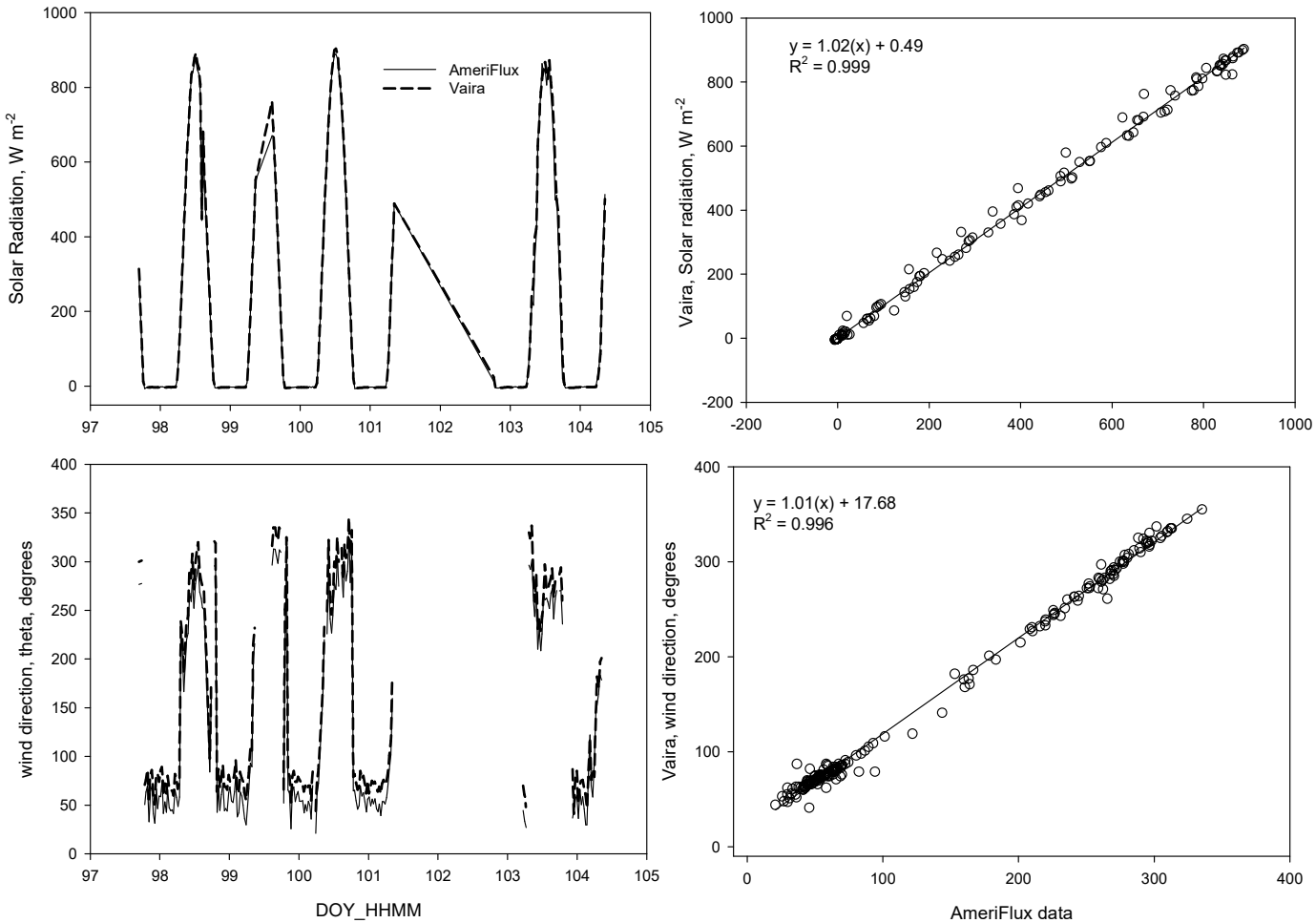
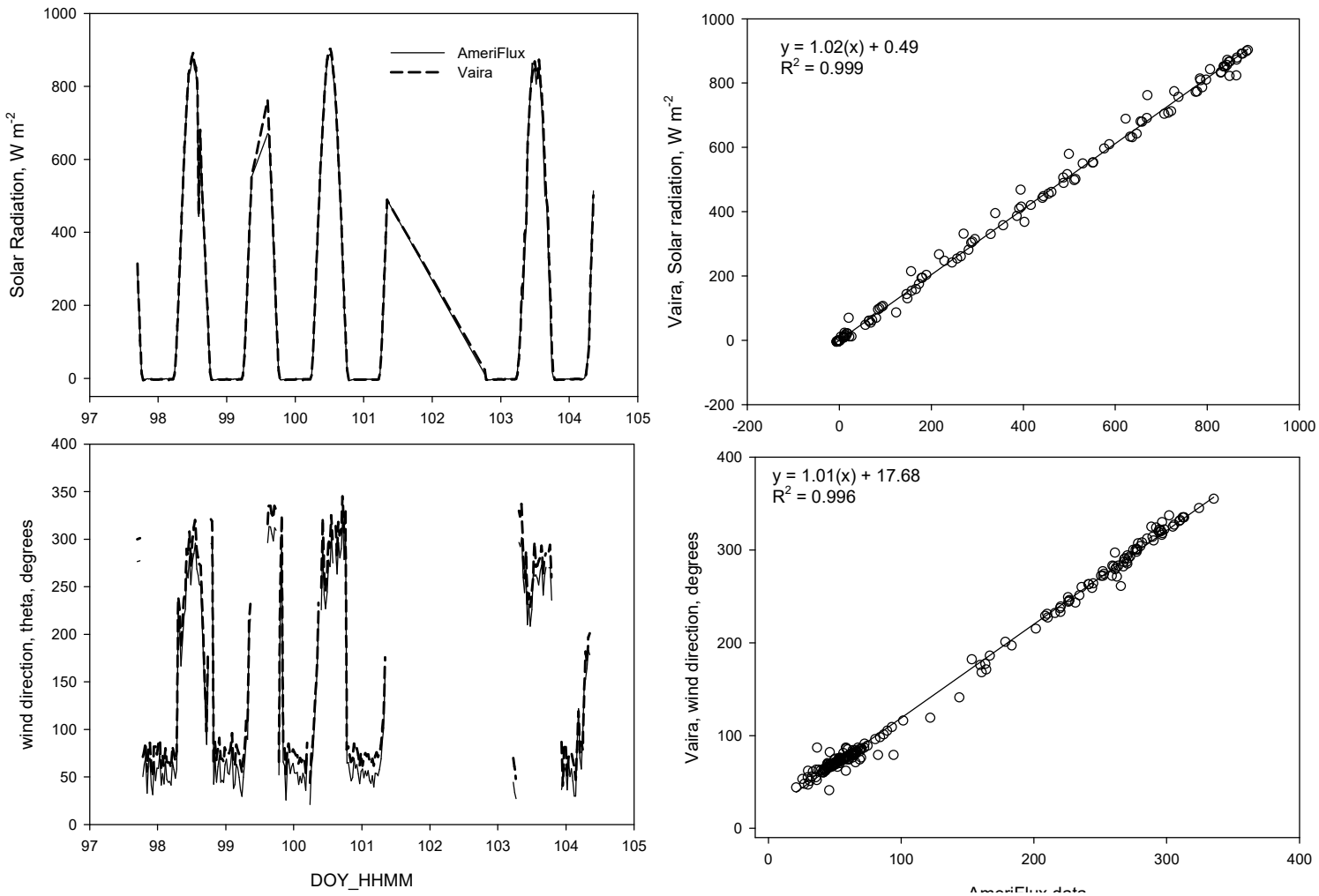
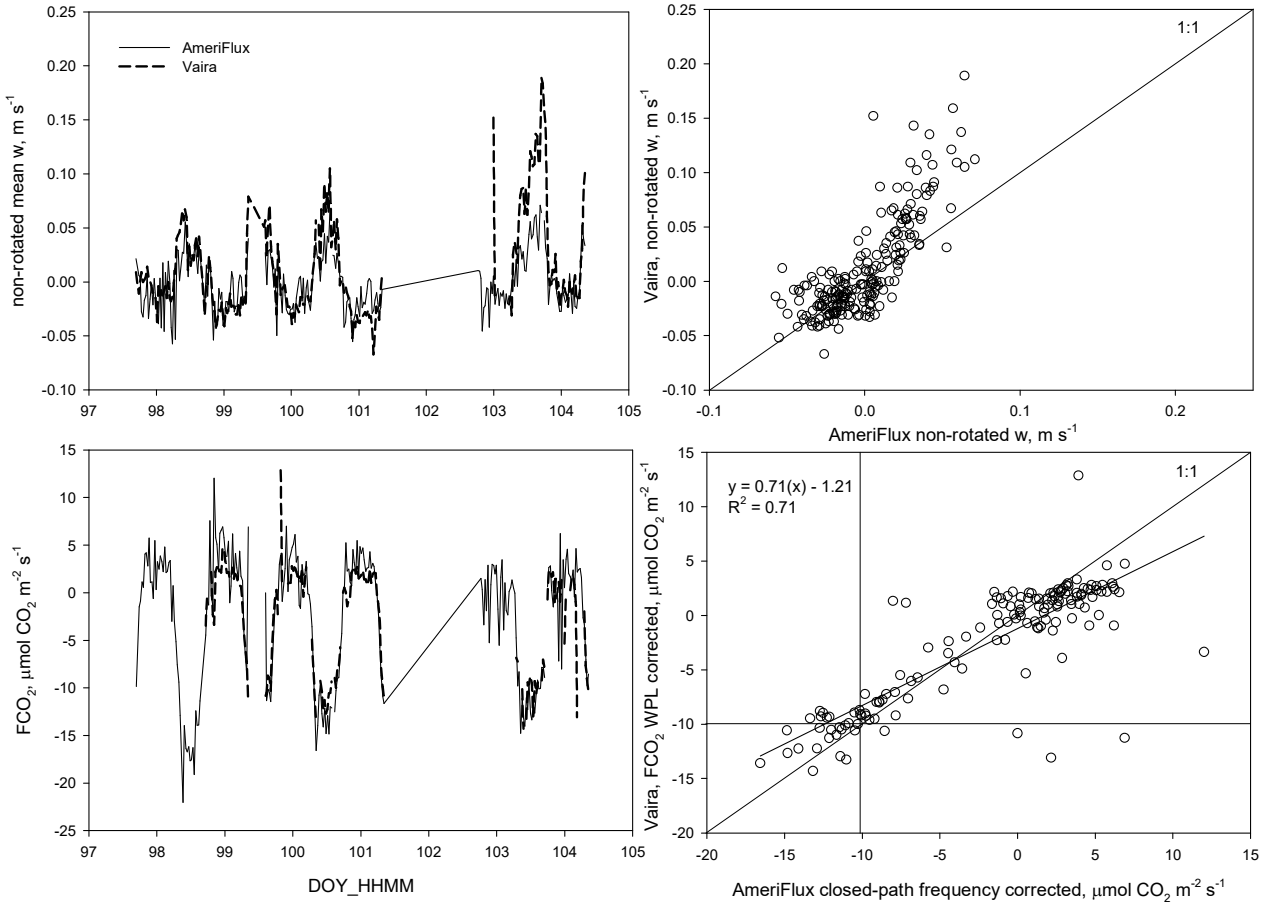
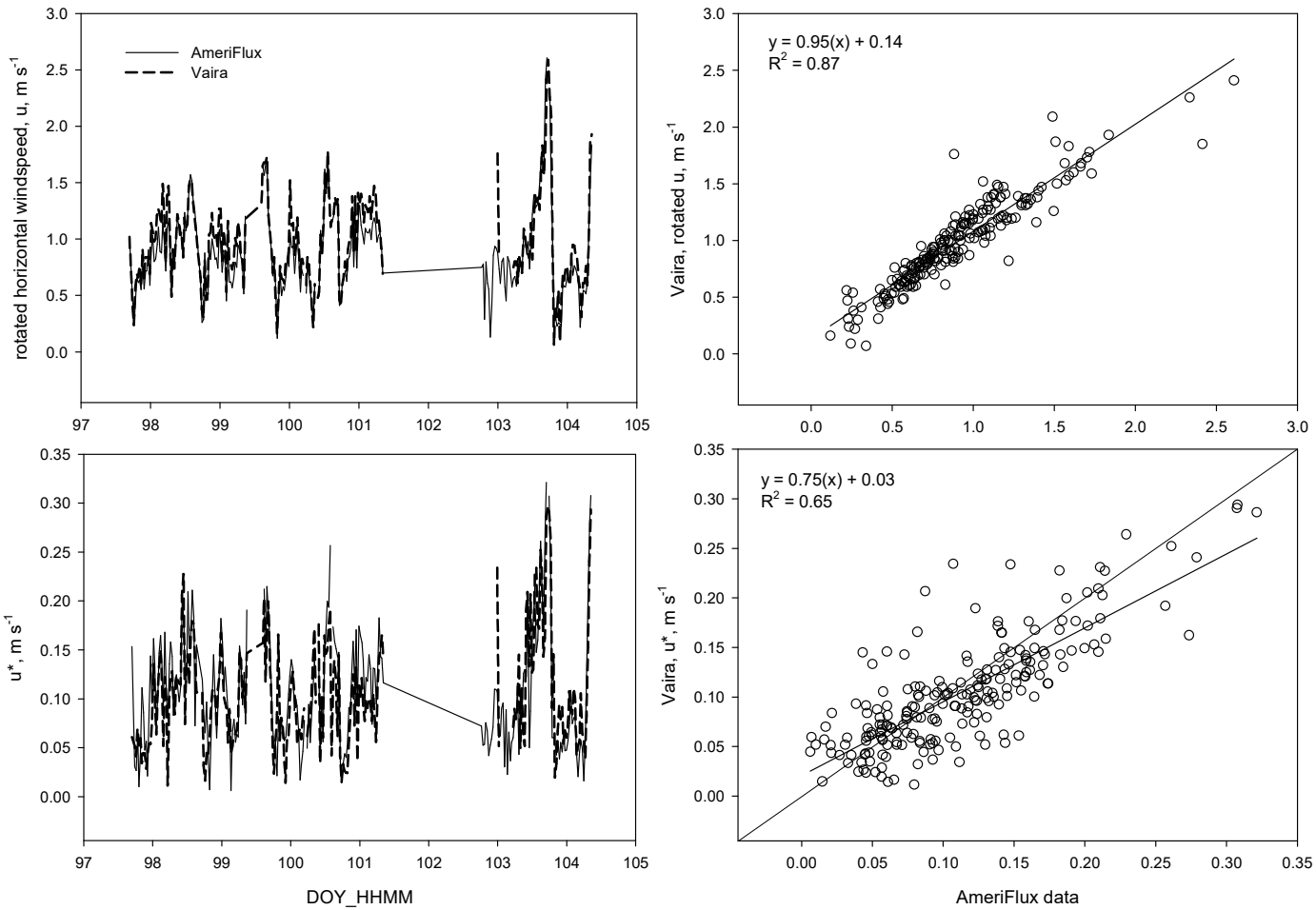
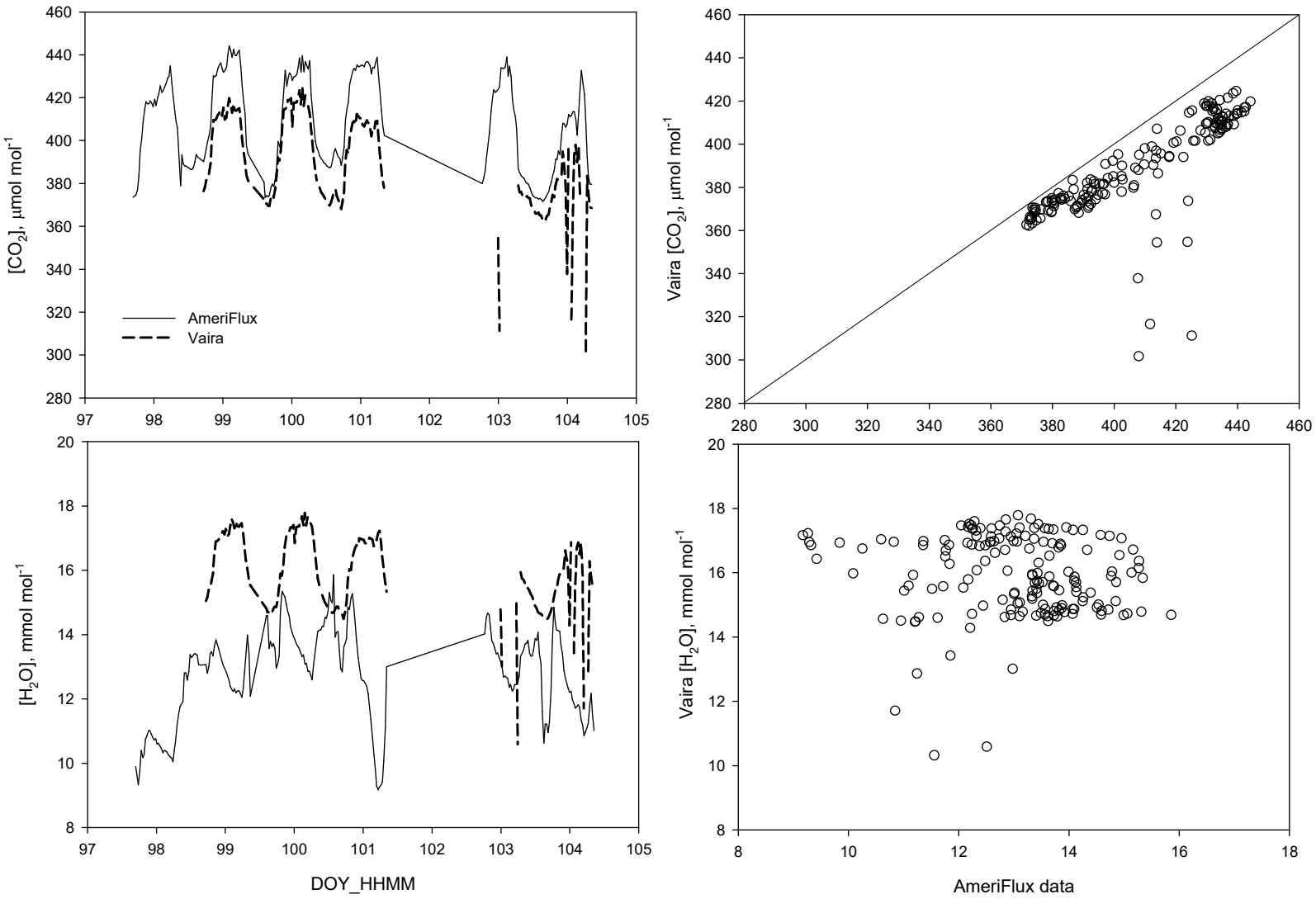

Sonic Temperature, C
AmeriFlux
Vaira
Vaira, Sonic Temperature, C
y = 0.74(x) + 5.6
R2 = 0.97
1:1
Air Temperature,C
DOY_HHMM
Vaira, Air Temperature, C
y = 1.02(x) - 0.17
R2 = 0.999
AmeriFlux temperature data, C

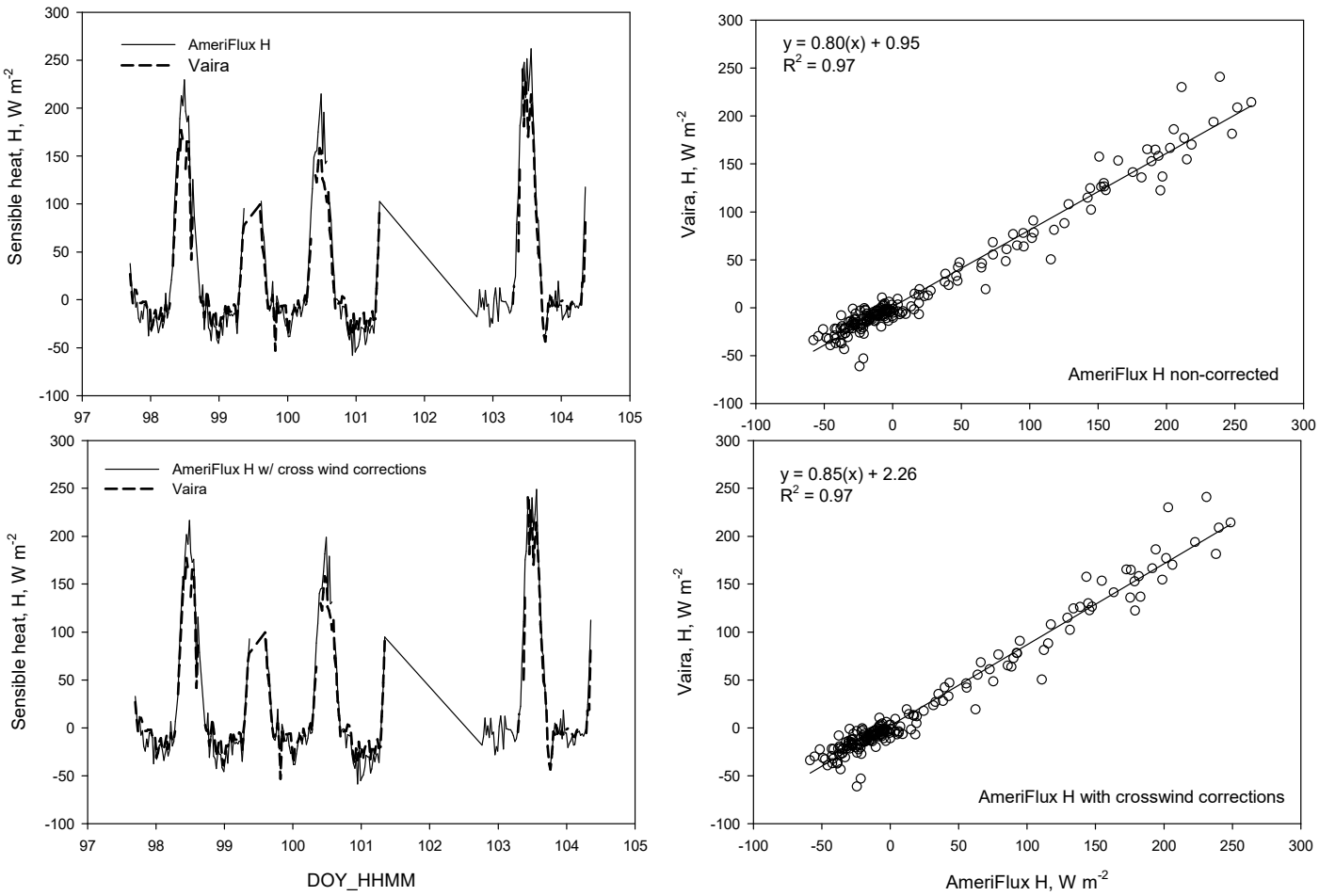

AmeriFlux
Vaira
Solar Radiation, W m-2
y = 1.02(x) + 0.49
R2 = 0.999
Vaira, Solar radiation, W m-2
wind direction, theta, degrees
DOY_HHMM
y = 1.01(x) + 17.68
R2 = 0.996
Vaira, wind direction, degrees
AmeriFlux data

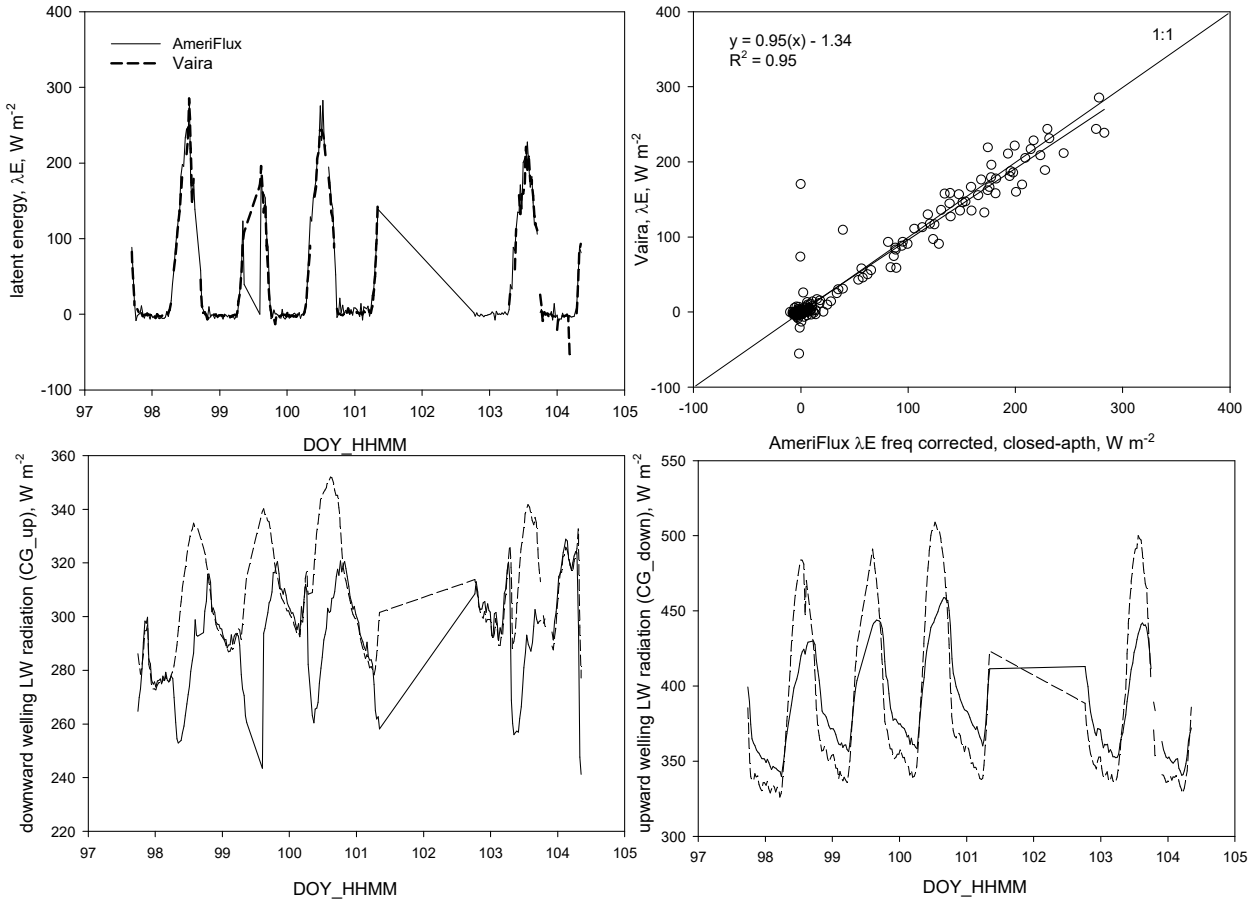

AmeriFlux
Vaira
Solar Radiation, W m-2
y = 1.02(x) + 0.49
R2 = 0.999
Vaira, Solar radiation, W m-2
wind direction, theta, degrees
DOY_HHMM
y = 1.01(x) + 17.68
R2 = 0.996
Vaira, wind direction, degrees

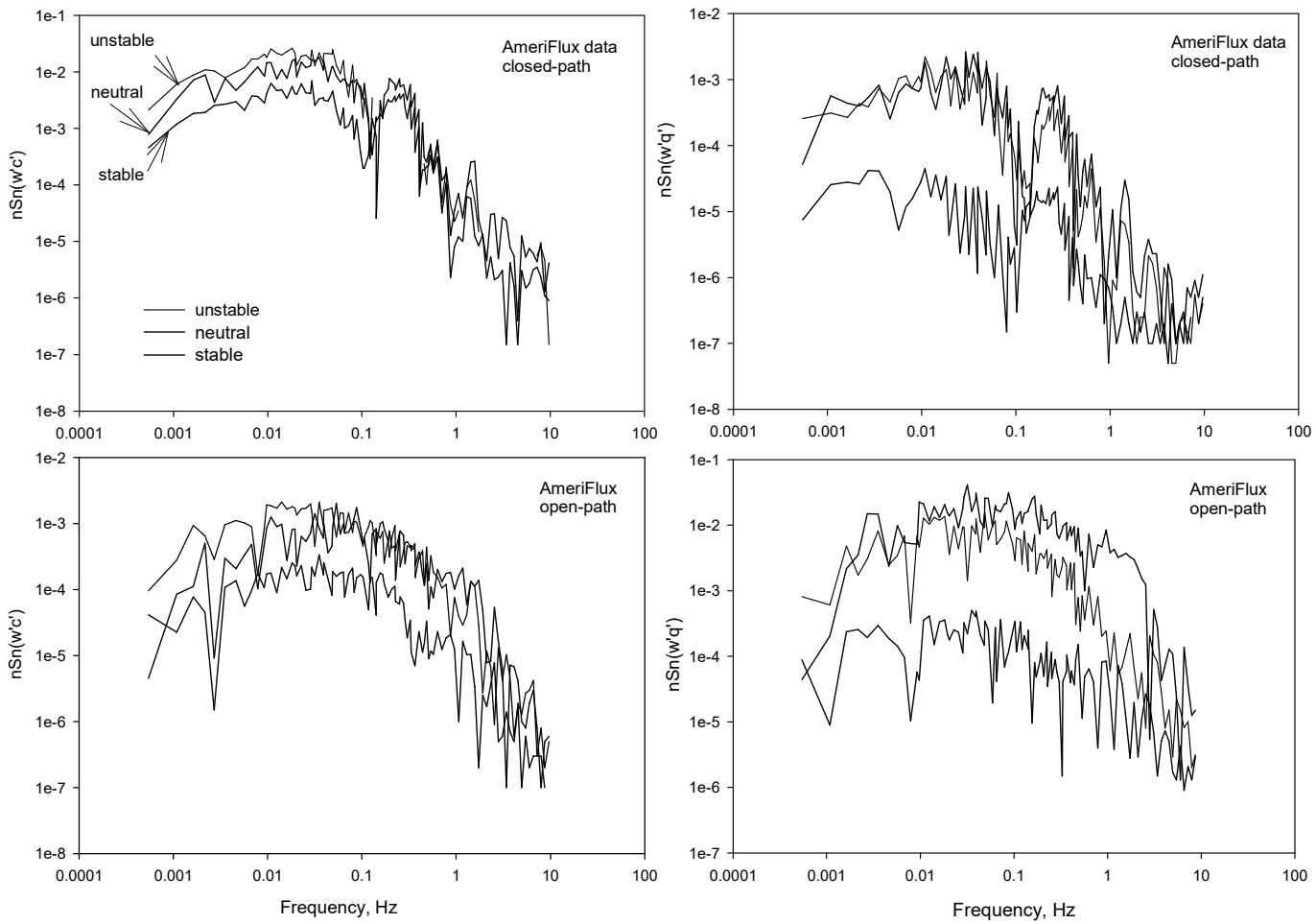

AmeriFlux
Vaira
non-rotated mean w, m s-1
Vaira, non-rotated w, m s-1
1:1
AmeriFlux non-rotated w, m s-1
FCO2, µmol CO2 m-2 s-1
DOY_HHMM
y = 0.71(x) - 1.21
R2 = 0.71
1:1
Vaira, FCO2 WPL corrected, µmol CO2 m-2 s-1
AmeriFlux closed-path frequency corrected, µmol CO2 m-2 s-1

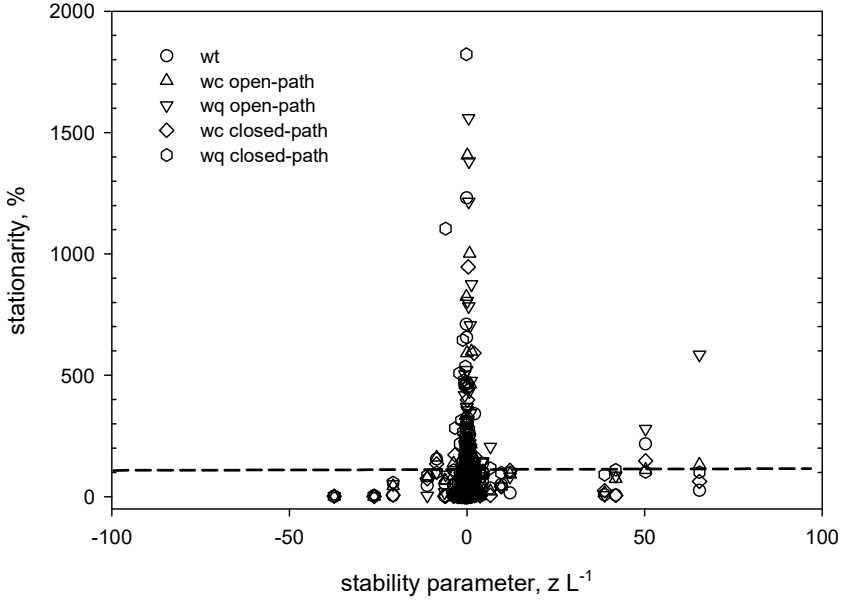

AmeriFlux
Vaira
rotated horizontal windspeed, u, m s-1
y = 0.95(x) + 0.14
R2 = 0.87
Vaira, rotated u, m s-1
u*, m s-1
y = 0.75(x) + 0.03
R2 = 0.65
Vaira, u*, m s-1
DOY_HHMM
AmeriFlux data

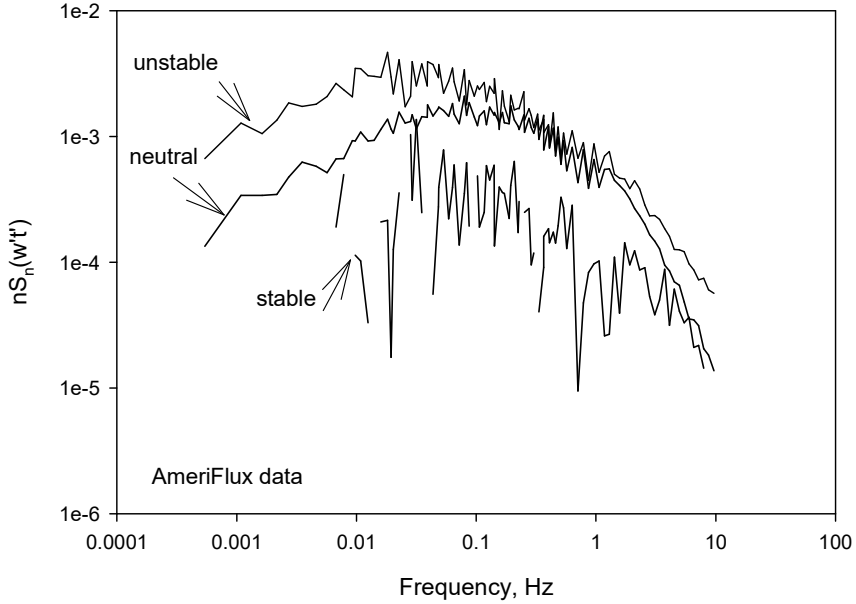

[CO2], µmol mol-1
AmeriFlux
Vaira
Vaira [CO2], µmol mol-1
[H2O], mmol mol-1
Vaira [H2O], mmol mol-1
DOY_HHMM
AmeriFlux data

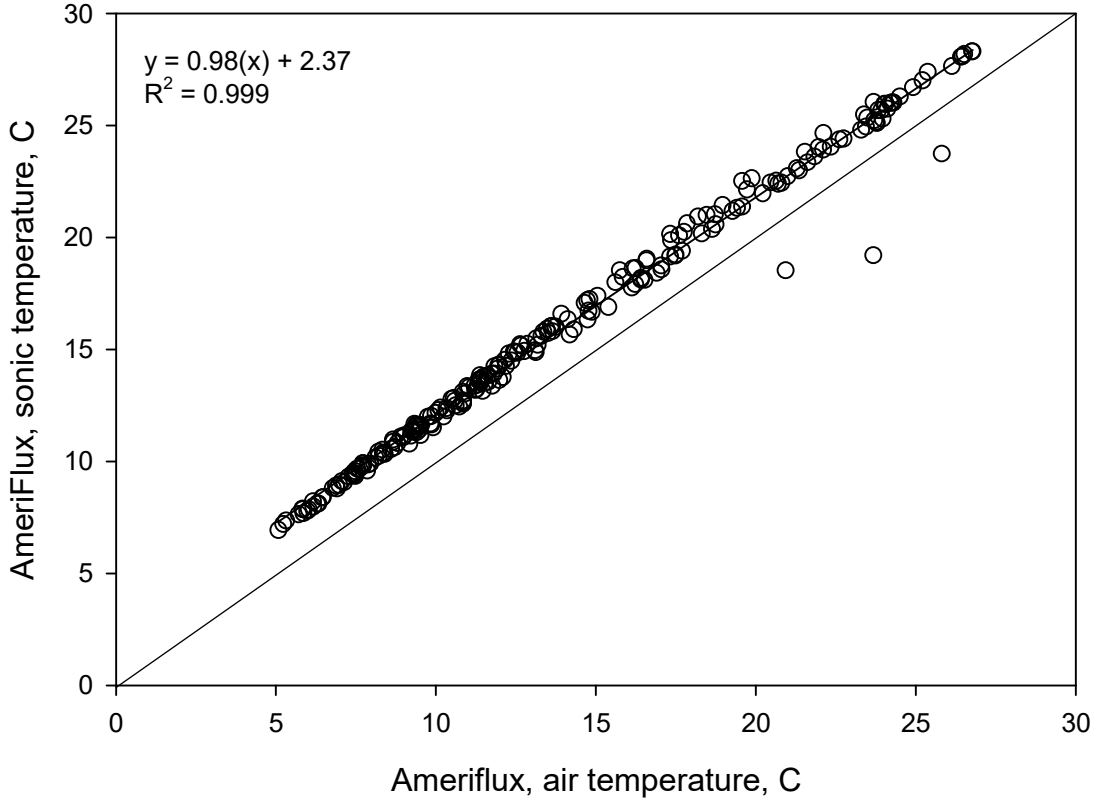

AmeriFlux H
Vaira
Sensible heat, H, W m-2
y = 0.80(x) + 0.95
R2 = 0.97
Vaira, H, W m-2
AmeriFlux H non-corrected
AmeriFlux H w/ cross wind corrections
Vaira
Sensible heat, H, W m-2
y = 0.85(x) + 2.26
R2 = 0.97
Vaira, H, W m-2
AmeriFlux H with crosswind corrections
DOY_HHMM
AmeriFlux H, W m-2


AmeriFlux
Vaira
latent energy, λE, W m-2
DOY_HHMM
y = 0.95(x) - 1.34
R2 = 0.95
1:1
Vaira, λE, W m-2
AmeriFlux λE freq corrected, closed-apth, W m-2
downward welling LW radiation (CG_up), W m-2
DOY_HHMM
upward welling LW radiation (CG_down), W m-2
DOY_HHMM


AmeriFlux data
closed-path
unstable
neutral
stable
nSn(w'c')
nSn(w'q')
AmeriFlux
open-path
Frequency, Hz
1e-1
1e-2
1e-3
1e-4
1e-5
1e-6
1e-7
1e-8
0.0001
0.001
0.01
0.1
1
10
100


wt
wc open-path
wq open-path
wc closed-path
wq closed-path
stationarity, %
stability parameter, z L-1
2000
1500
1000
500
0
-100
-50
0
50
100


unstable
neutral
stable
AmeriFlux data
nSn(w't')
Frequency, Hz
1e-2
1e-3
1e-4
1e-5
1e-6
0.0001
0.001
0.01
0.1
1
10
100


y = 0.98(x) + 2.37
R2 = 0.999
AmeriFlux, sonic temperature, C
Ameriflux, air temperature, C
0
5
10
15
20
25
30