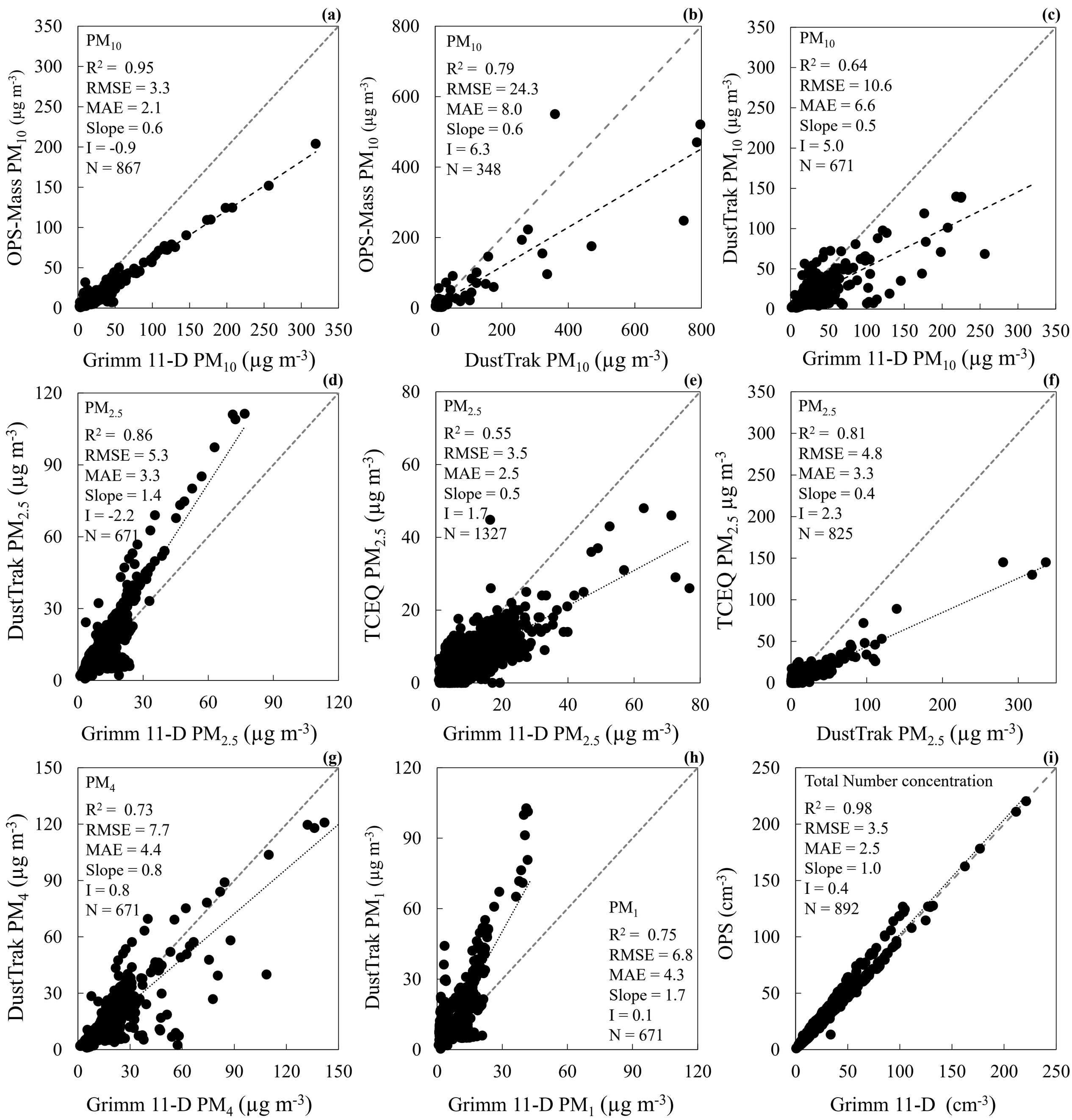
(a)
PM10
R2 = 0.95
RMSE = 3.3
MAE = 2.1
Slope = 0.6
I = -0.9
N = 867
OPS-Mass PM10 (μg m-3)
Grimm 11-D PM10 (μg m-3)
(b)
PM10
R2 = 0.79
RMSE = 24.3
MAE = 8.0
Slope = 0.6
I = 6.3
N = 348
OPS-Mass PM10 (μg m-3)
DustTrak PM10 (μg m-3)
(c)
PM10
R2 = 0.64
RMSE = 10.6
MAE = 6.6
Slope = 0.5
I = 5.0
N = 671
DustTrak PM10 (μg m-3)
Grimm 11-D PM10 (μg m-3)
(d)
PM2.5
R2 = 0.86
RMSE = 5.3
MAE = 3.3
Slope = 1.4
I = -2.2
N = 671
DustTrak PM2.5 (μg m-3)
Grimm 11-D PM2.5 (μg m-3)
(e)
PM2.5
R2 = 0.55
RMSE = 3.5
MAE = 2.5
Slope = 0.5
I = 1.7
N = 1327
TCEQ PM2.5 (μg m-3)
Grimm 11-D PM2.5 (μg m-3)
(f)
PM2.5
R2 = 0.81
RMSE = 4.8
MAE = 3.3
Slope = 0.4
I = 2.3
N = 825
TCEQ PM2.5 μg m-3
DustTrak PM2.5 (μg m-3)
(g)
PM4
R2 = 0.73
RMSE = 7.7
MAE = 4.4
Slope = 0.8
I = 0.8
N = 671
DustTrak PM4 (μg m-3)
Grimm 11-D PM4 (μg m-3)
(h)
PM1
R2 = 0.75
RMSE = 6.8
MAE = 4.3
Slope = 1.7
I = 0.1
N = 671
DustTrak PM1 (μg m-3)
Grimm 11-D PM1 (μg m-3)
(i)
Total Number concentration
R2 = 0.98
RMSE = 3.5
MAE = 2.5
Slope = 1.0
I = 0.4
N = 892
OPS (cm-3)
Grimm 11-D (cm-3)