1

Figure 1: Correlations between all values of PSC volume density calculated under the assumptions for VD_{max} and VD_{min} retrievals (see text) for each month.

200509
a = 0.0009
b = 0.409

200510
a = 0.0032
b = 0.351

200511
a = 0.0023
b = 0.344

200512
a = 0.0039
b = 0.340

200601
a = 0.0042
b = 0.311

200602
a = 0.0019
b = 0.380

200603
a = 0.0039
b = 0.353

200605
a = -0.0002
b = 0.411

200606
a = 0.0022
b = 0.392

200607
a = 0.0079
b = 0.366

200608
a = 0.0048
b = 0.365

200609
a = 0.0008
b = 0.393

200610
a = 0.0018
b = 0.374

200611
a = 0.0032
b = 0.348

200612
a = 0.0042
b = 0.330

200701
a = 0.0016
b = 0.365

200702
a = 0.0024
b = 0.378

200703
a = 0.0047
b = 0.359

200705
a = 0.0030
b = 0.407

200706
a = 0.0129
b = 0.365

200707
a = 0.0079
b = 0.363

200708
a = 0.0061
b = 0.365

200709
a = 0.0016
b = 0.388

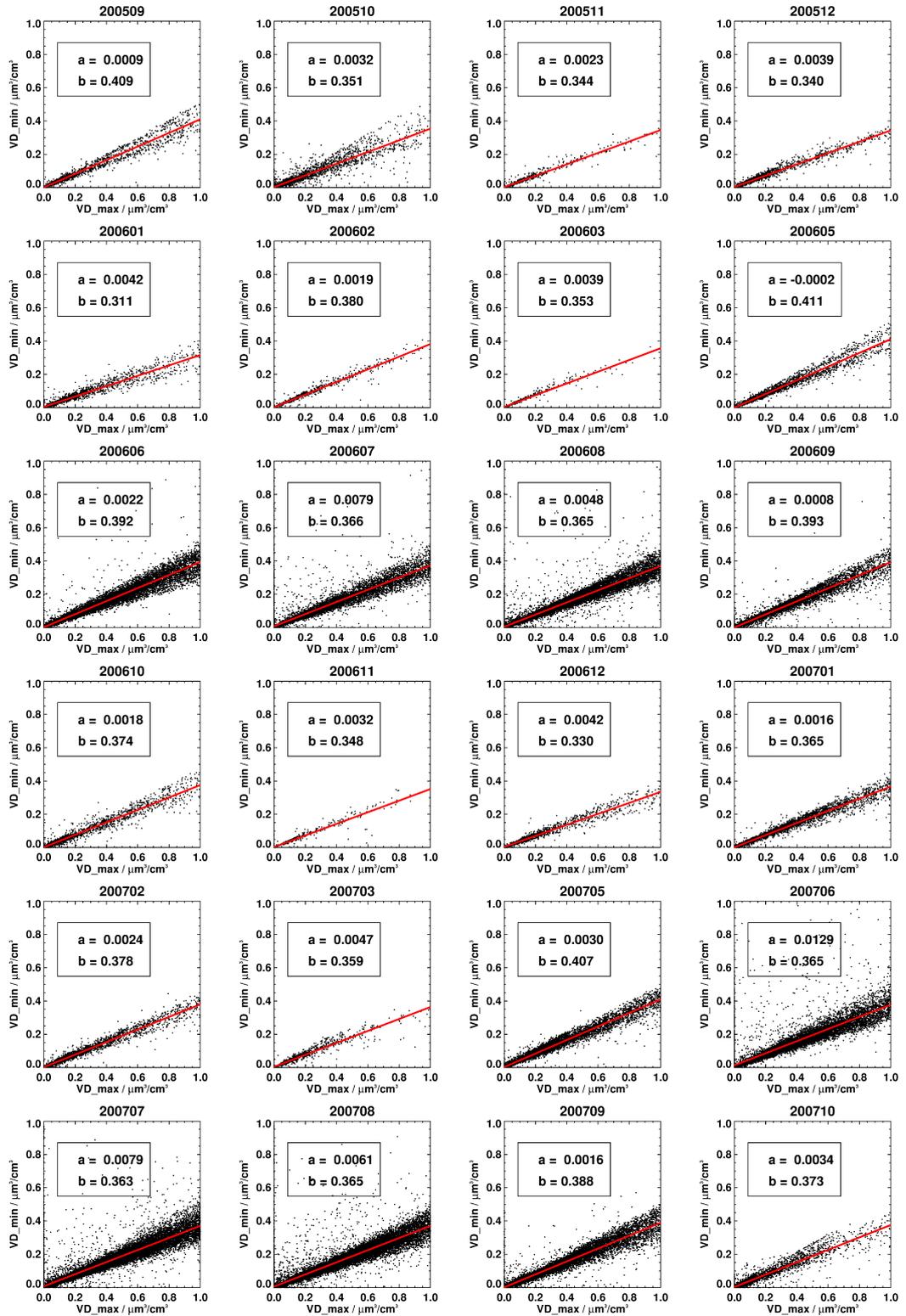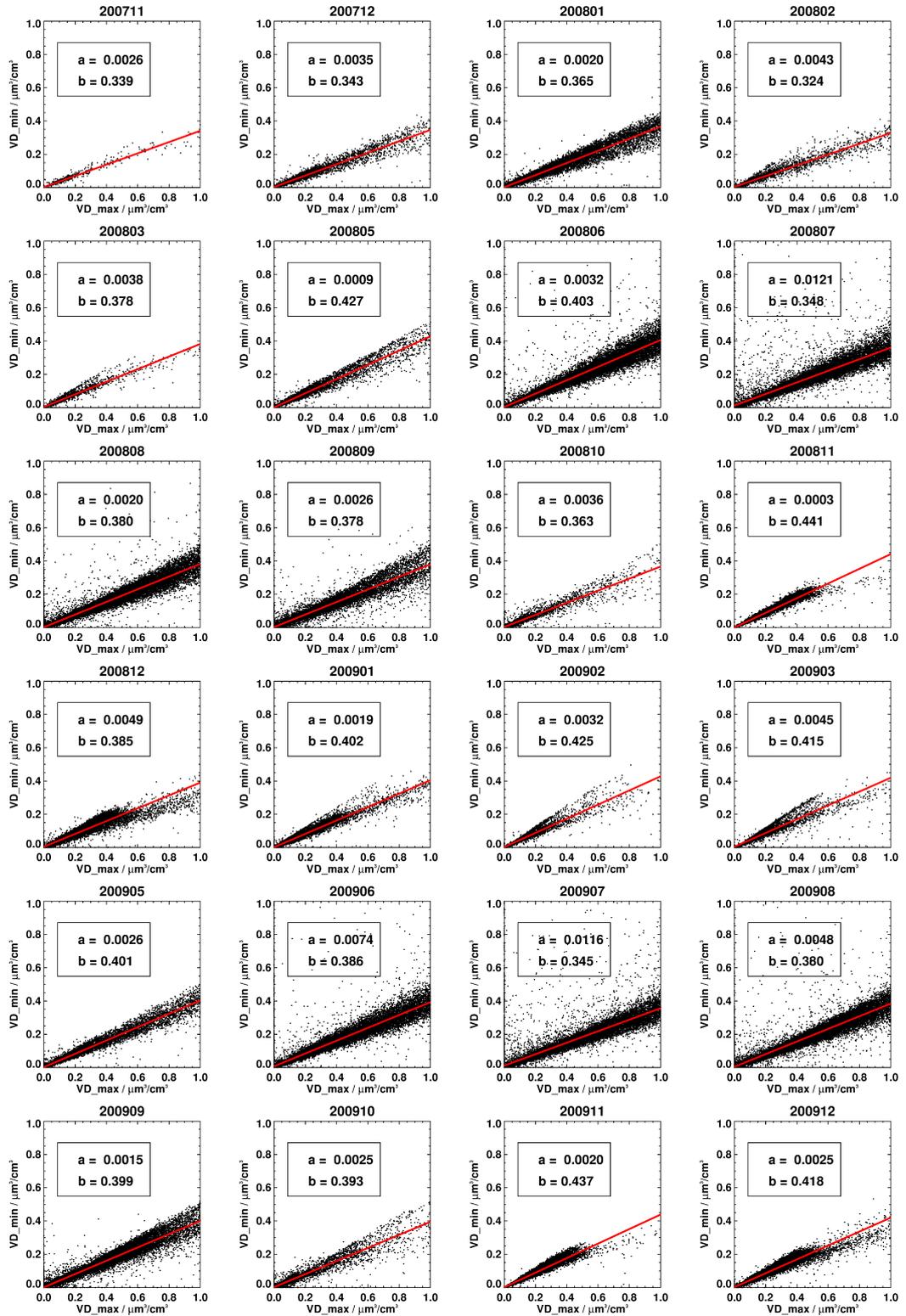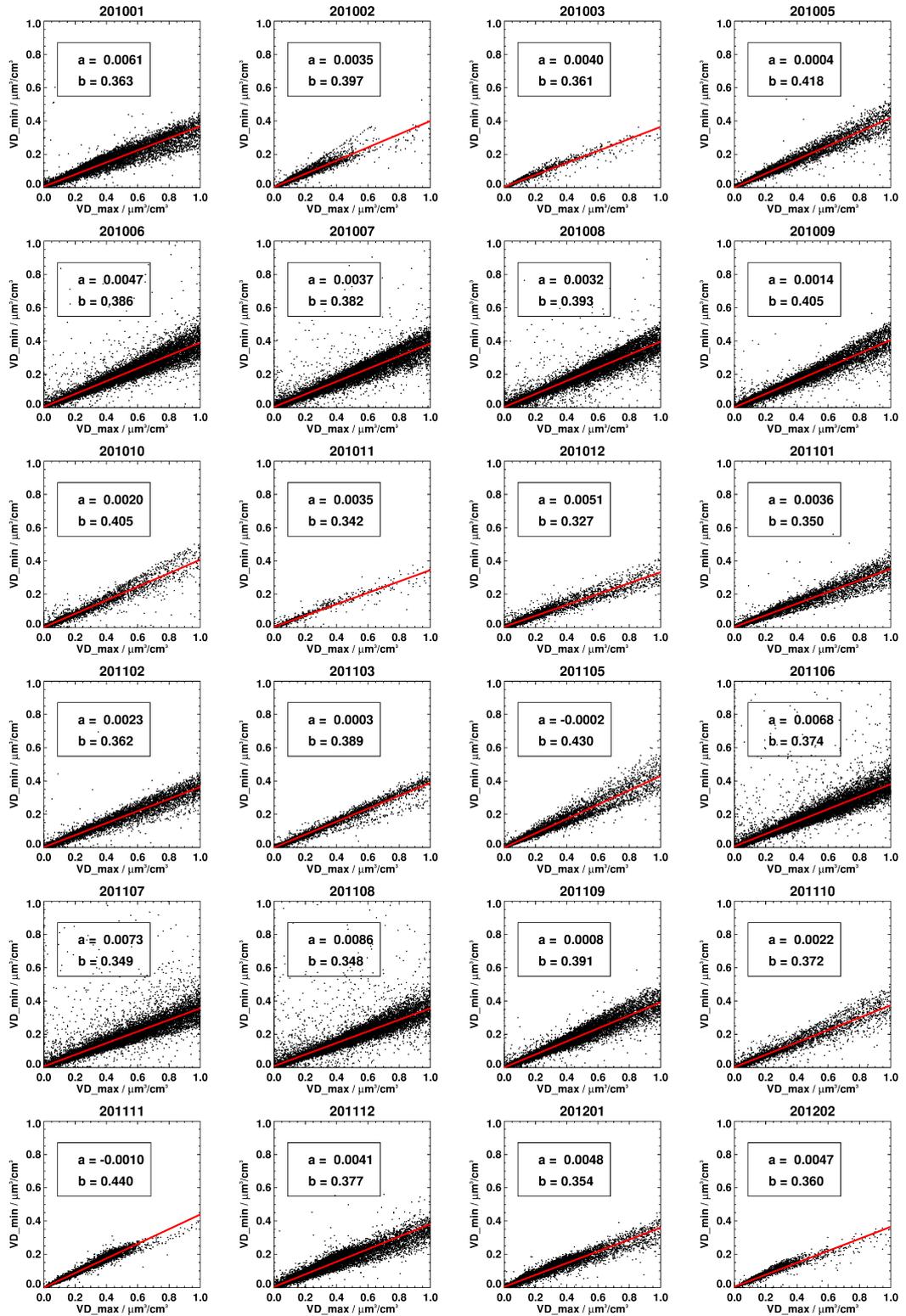**200710**
a = 0.0034
b = 0.373

Figure 2: Fig. 1 continued.

Figure 3: Fig. 1 continued.

Figure 4: Fig. 1 continued.

201203

a = 0.0031
b = 0.362

Figure 5: Fig. 1 continued.