



Supplement of

Examination of brown carbon absorption from wildfires in the western US during the WE-CAN study

Amy P. Sullivan et al.

Correspondence to: Amy P. Sullivan (sullivan@atmos.colostate.edu)

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Figure Captions

Figure S1. (a-i) PAS total Abs 405 BrC/WSOC and PILS water-soluble Abs 405/WSOC as a function of time since emission for all data shown in Figure 10a on an individual flight basis.

Figure S2. (a-i) PAS total Abs 405 BrC/ Δ CO and PILS water-soluble Abs 405/ Δ CO as a function of time since emission for all data shown in Figure 10b on an individual flight basis.

Figure S3. (a-i) PAS total Abs 405 BrC/levoglucosan and PILS water-soluble Abs 405/levoglucosan as a function of time since emission for all data shown in Figure 10c on an individual flight basis.

Figure S4. (a) PILS water-soluble Abs 365/WSOC, (b) PILS water-soluble Abs 365/ Δ CO, and (c) PILS water-soluble Abs 365/levoglucosan as a function of time since emission for all WE-CAN flights with the data segregated by flight.

Figure S5. PILS WSOC/ Δ CO as a function of time since emission for all WE-CAN flights with the data segregated by flight.

Figure S6. (a-i) PAS total Abs 405 BrC/WSOC and PILS water-soluble Abs 405/WSOC as a function of modified combustion efficiency (MCE) for all data shown in Figure 11a on an individual flight basis.

Figure S7. (a-i) PAS total Abs 405 BrC/ Δ CO and PILS water-soluble Abs 405/ Δ CO as a function of modified combustion efficiency (MCE) for all data shown in Figure 11b on an individual flight basis.

Figure S8. (a-i) PAS total Abs 405 BrC/levoglucosan and PILS water-soluble Abs 405/levoglucosan as a function of modified combustion efficiency (MCE) for all data shown in Figure 11c on an individual flight basis.

Figure S1

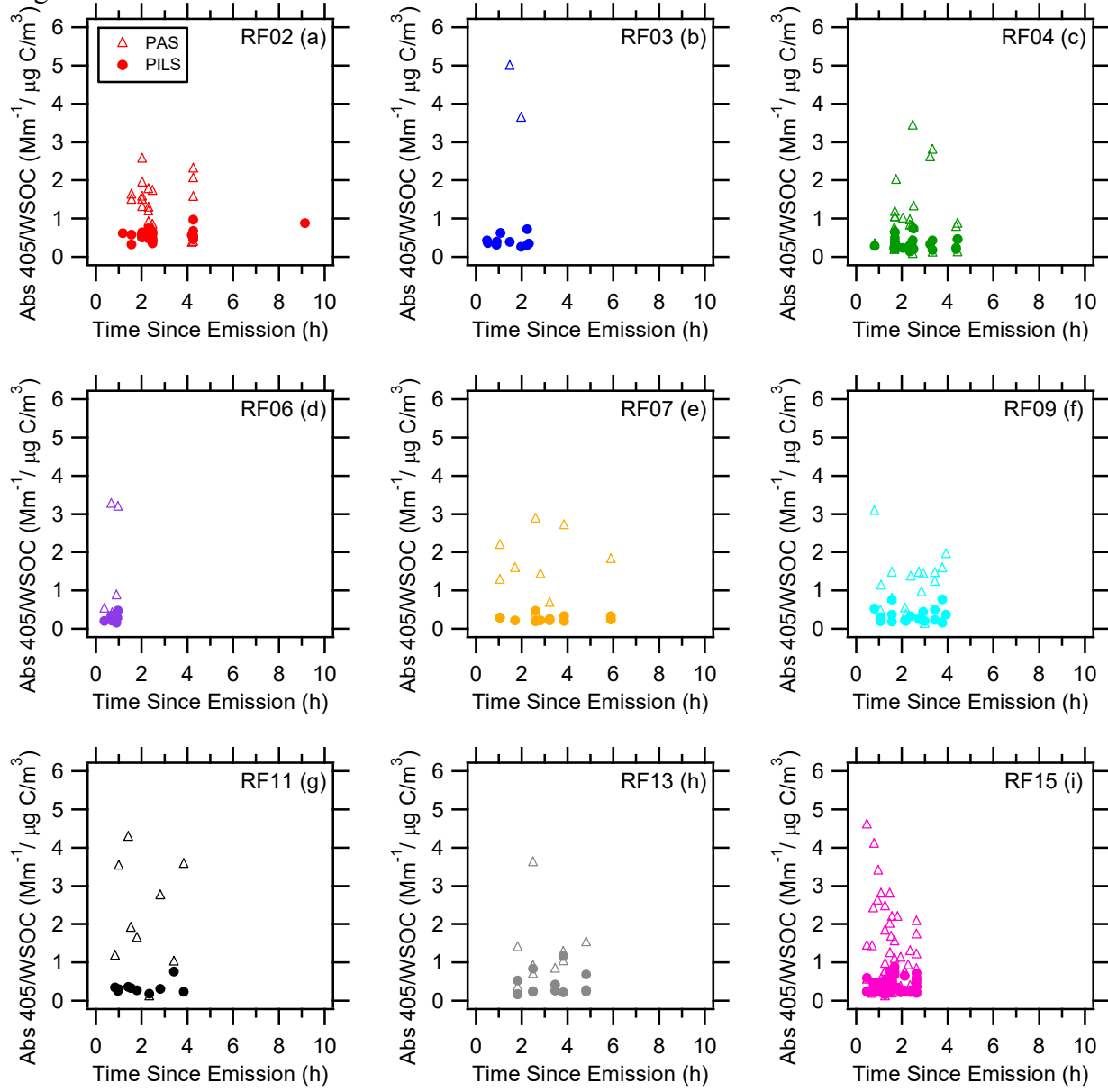


Figure S2

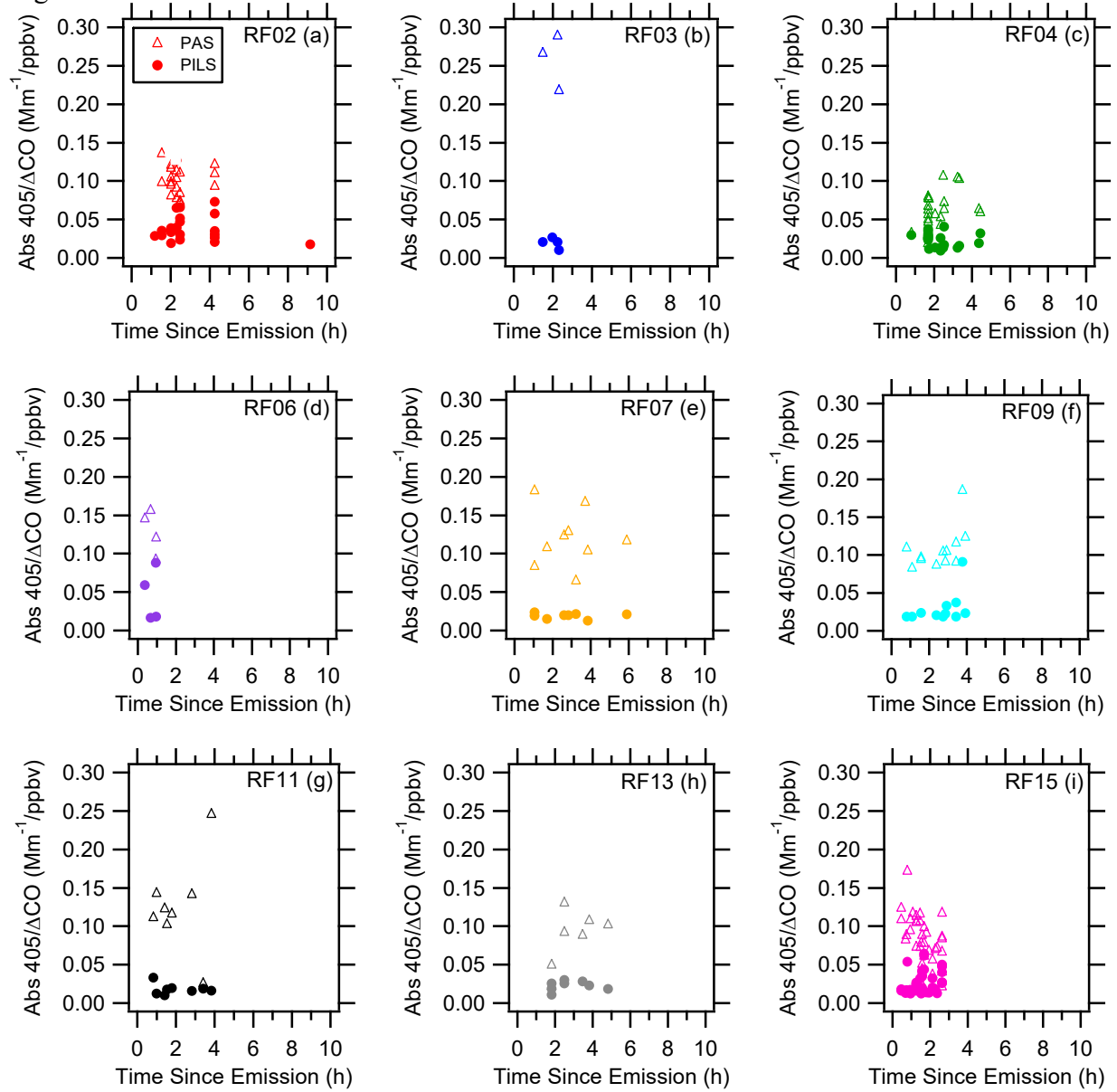


Figure S3

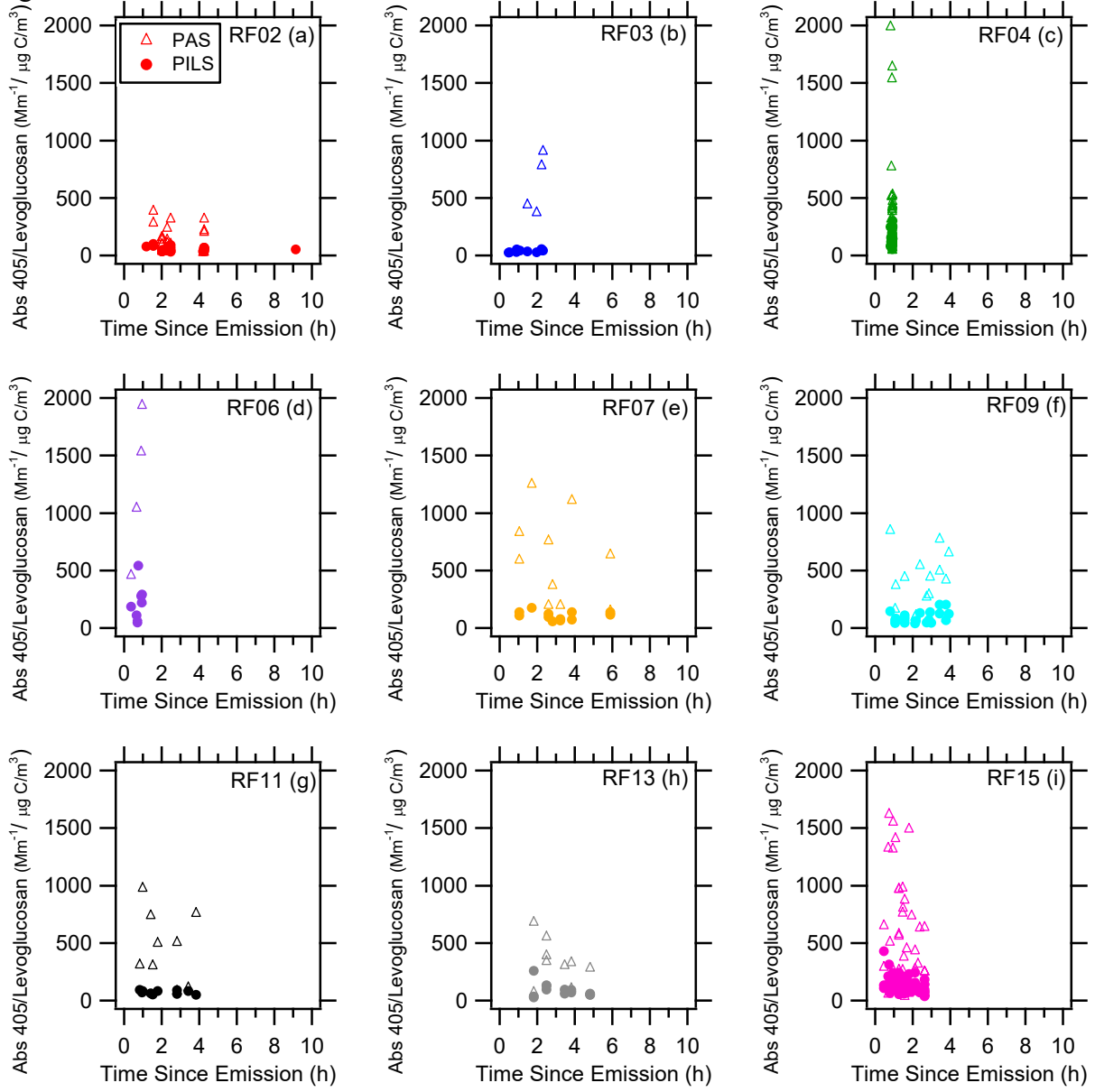


Figure S4

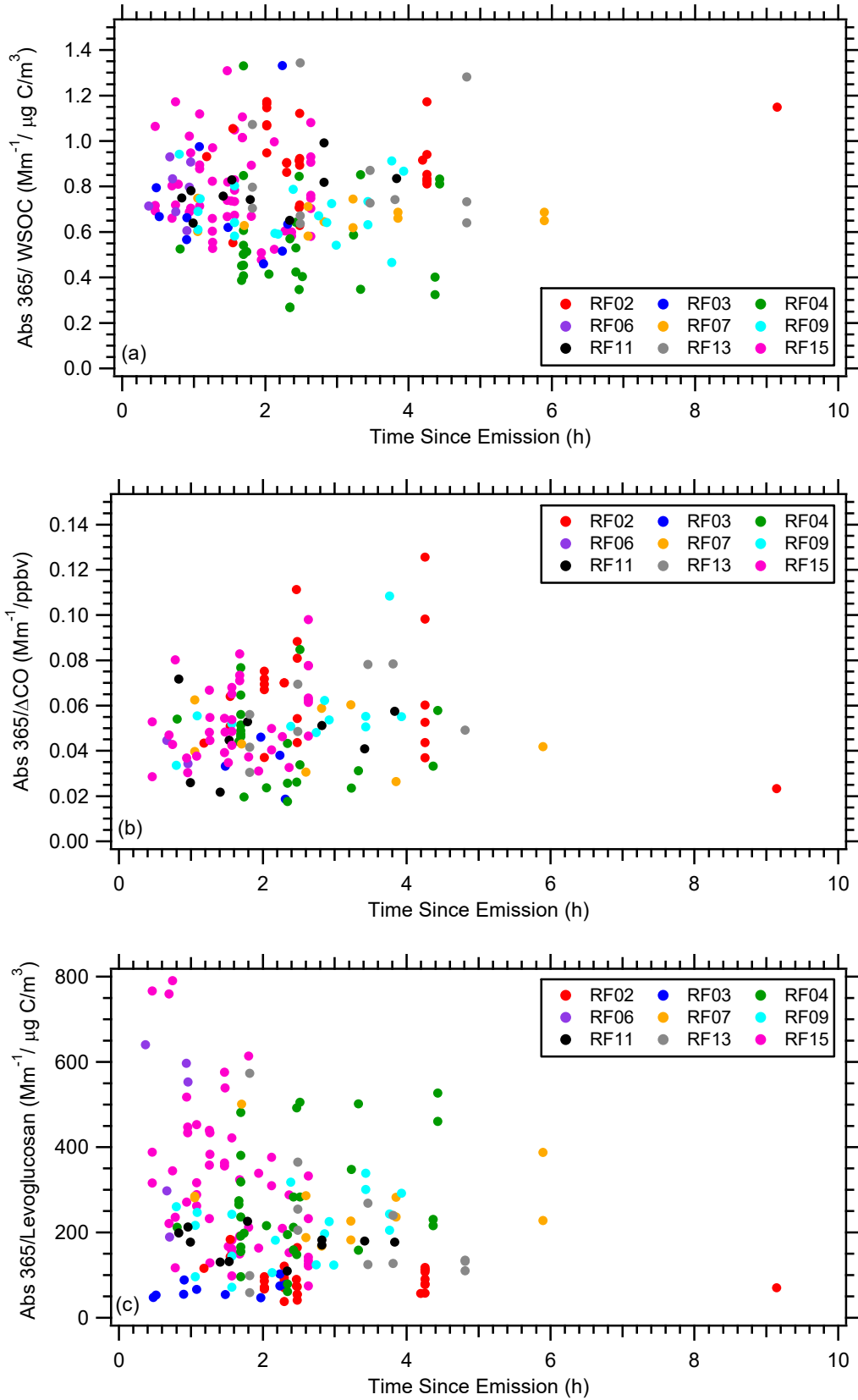


Figure S5

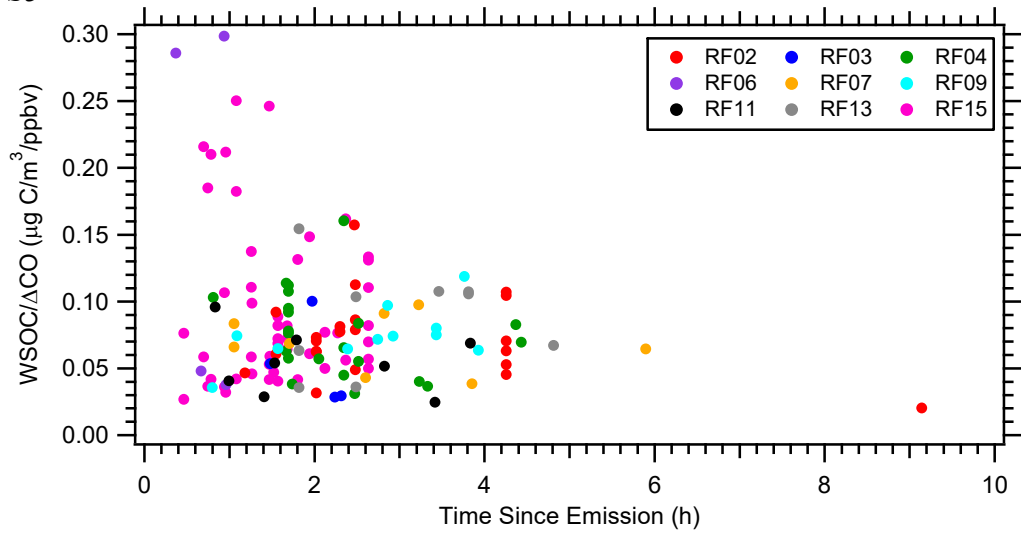


Figure S6

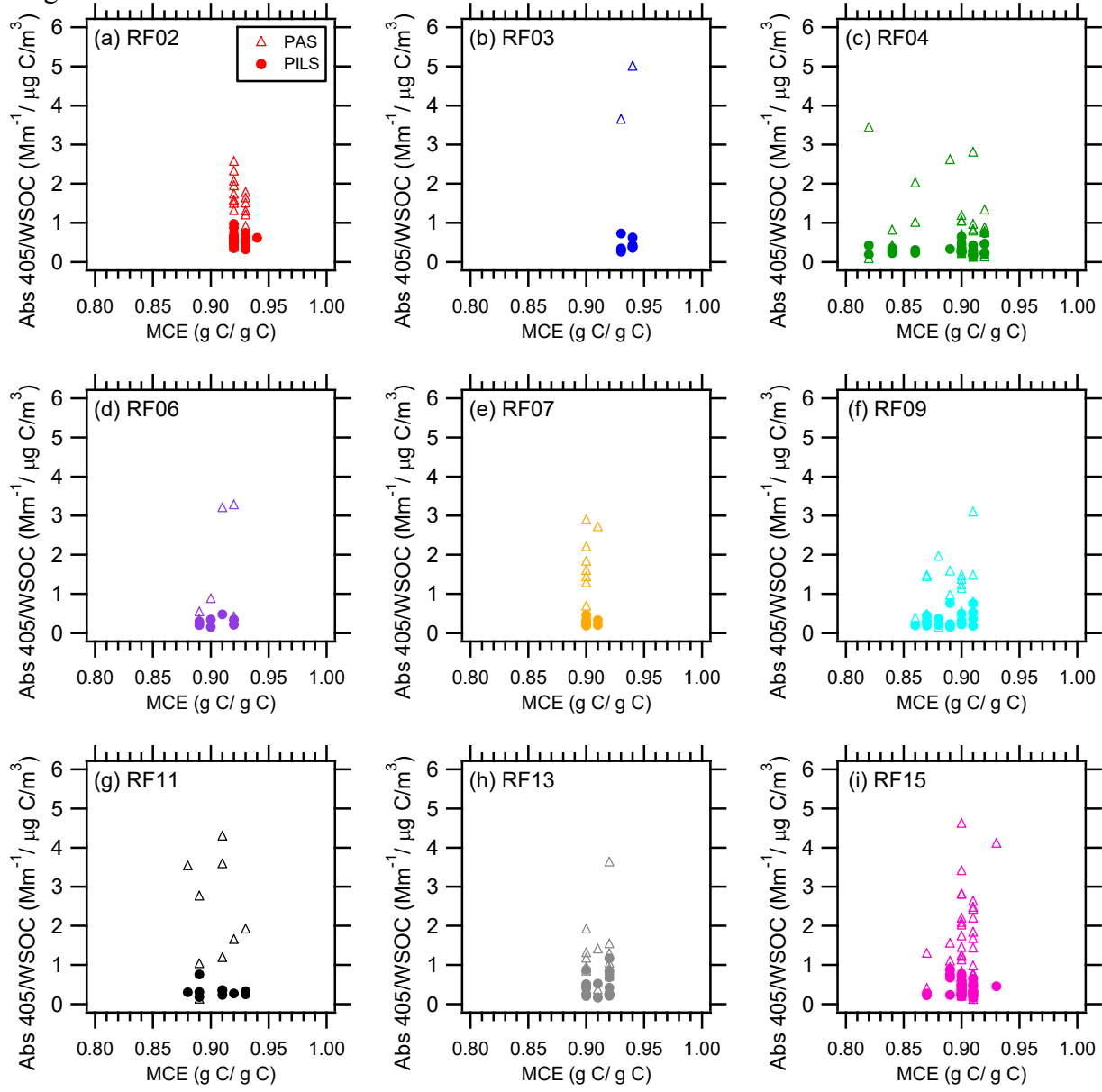


Figure S7

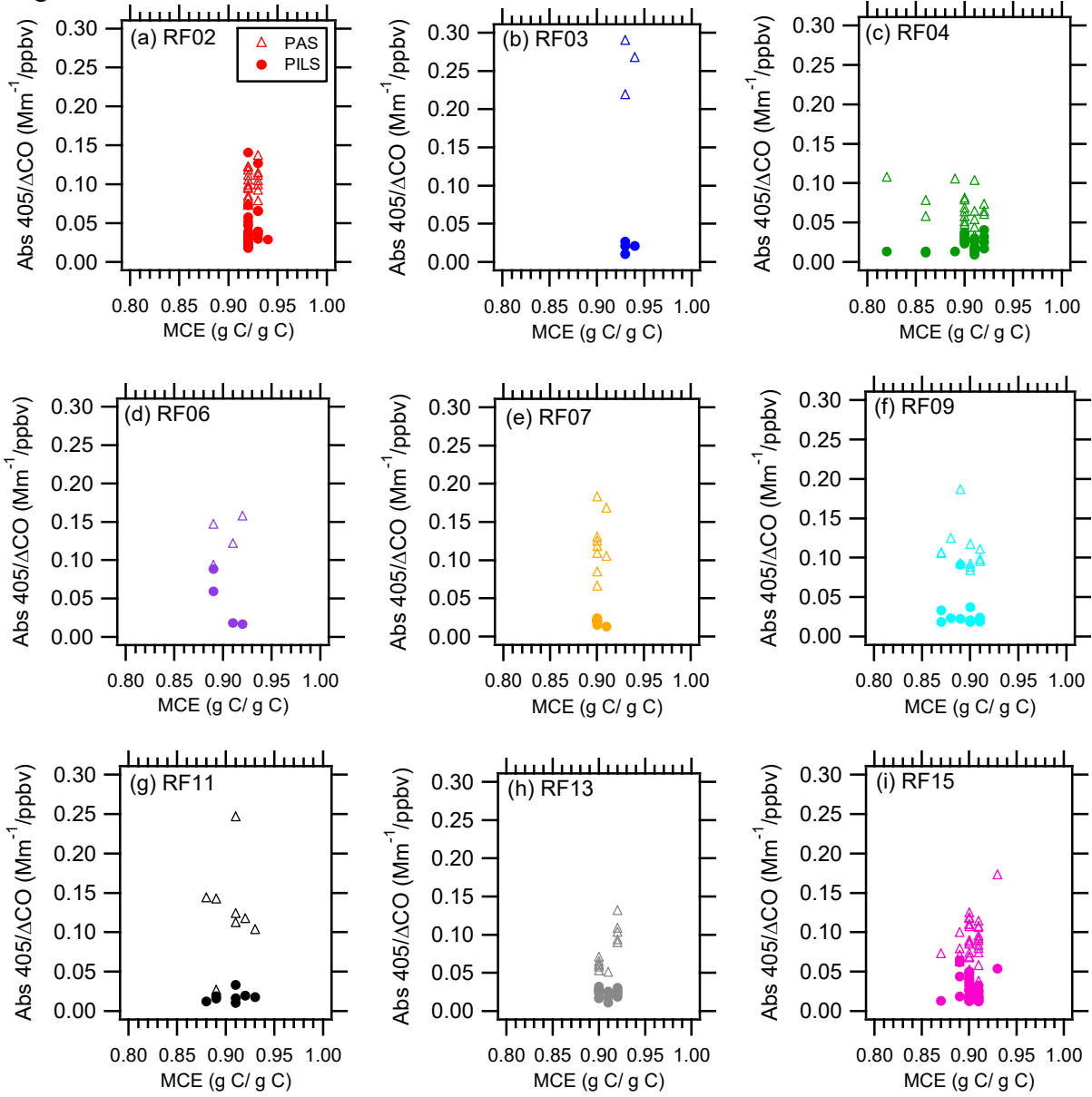


Figure S8

