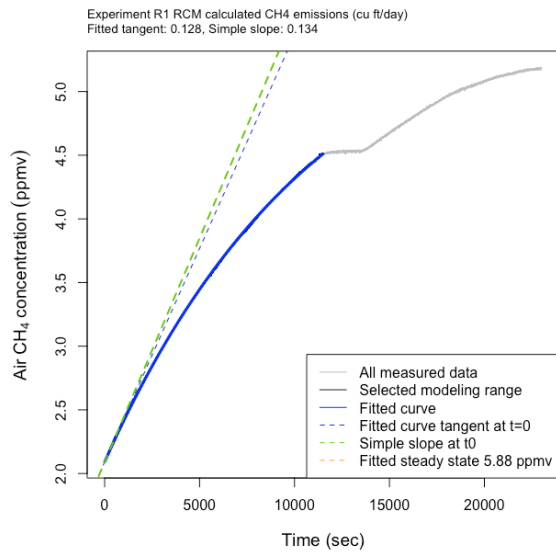
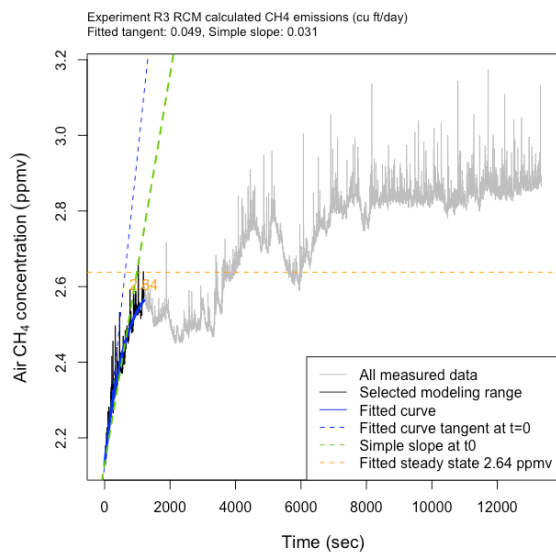
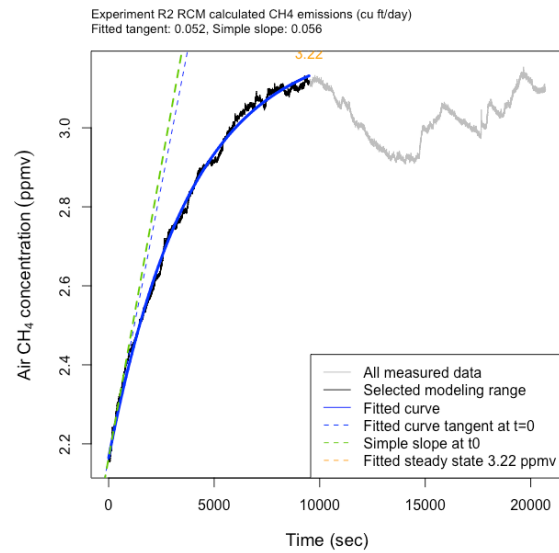


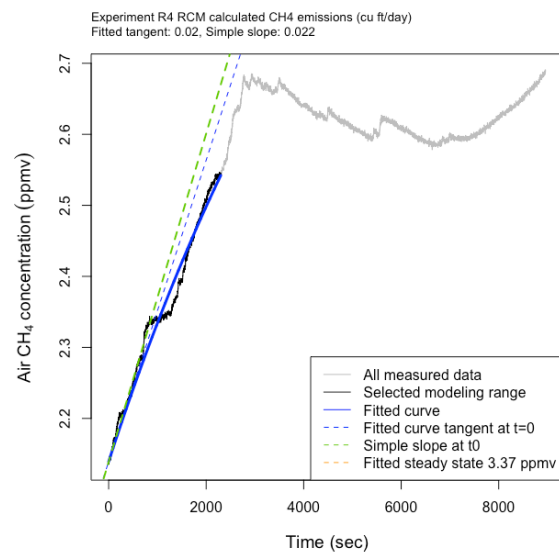
S10 Appendix: Individual RCM experiment data and modeling plots



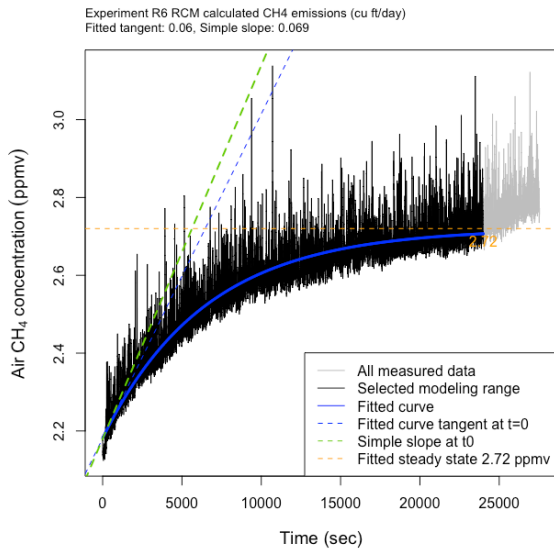
R1 note: fitted tangent using first 24000 sec was $0.132 \text{ ft}^3 \text{ day}^{-1}$.



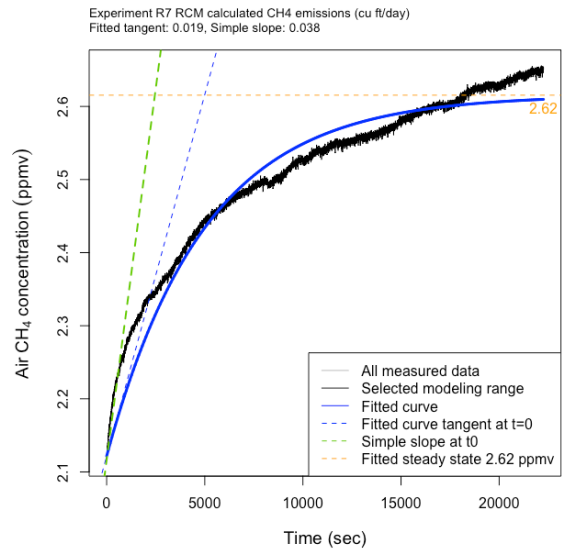
R3 note: fitting with 13000 sec results in a fitted tangent flux of $0.015 \text{ ft}^3 \text{ day}^{-1}$



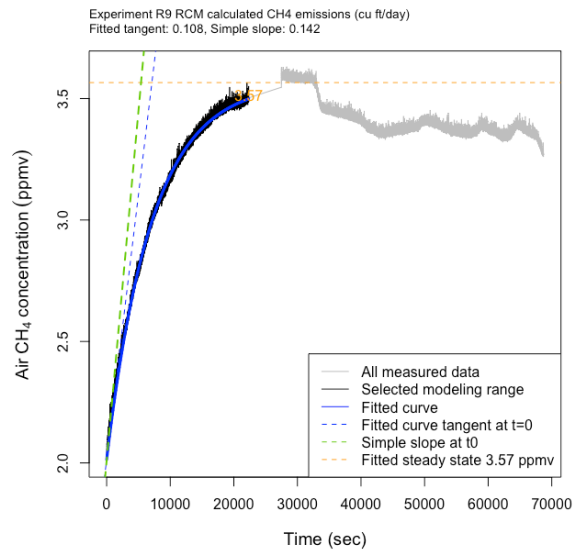
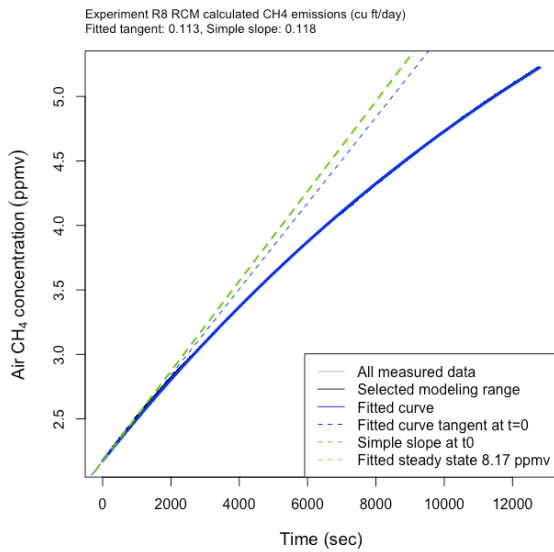
R4 note: fitting with 9000 sec results in a fitted tangent flux of $0.033 \text{ ft}^3 \text{ day}^{-1}$.



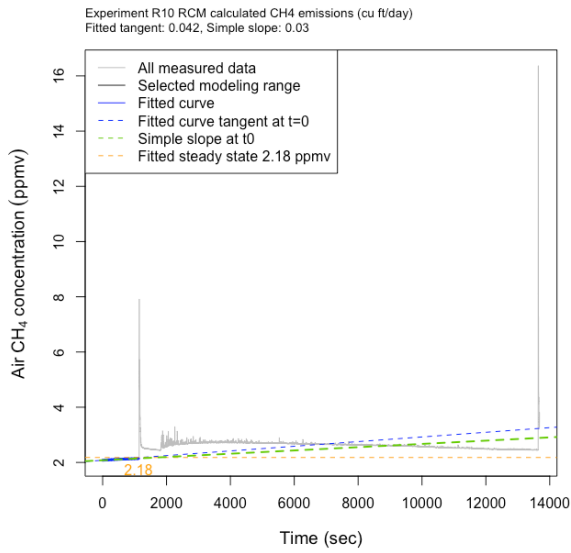
R6 note: this experiment was repeated - see SI 4.8 for more details.



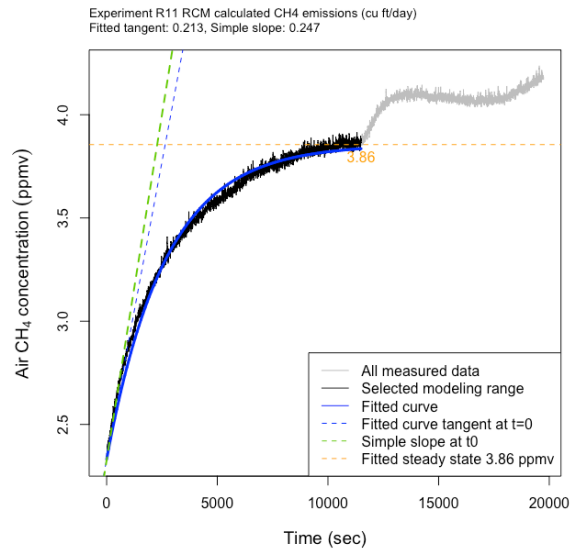
R7 note: this experiment was a repeat of R6 - see SI 4.8 for more details.



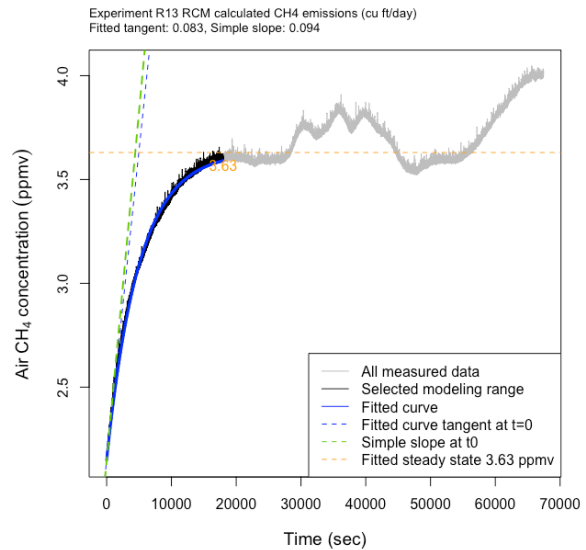
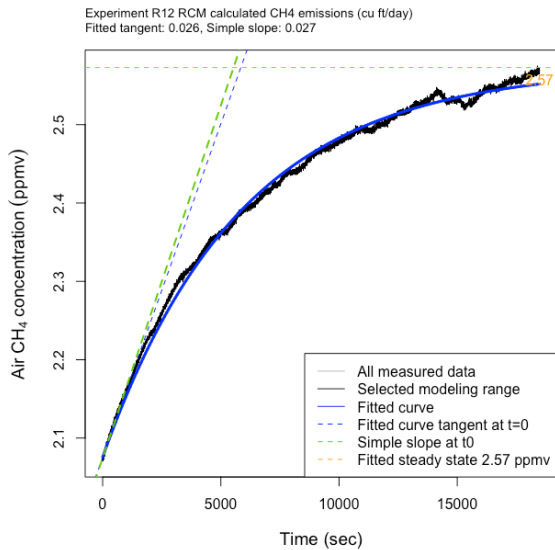
R9 note: a power outage resulted in no data between approximately 22000 to 26000 sec

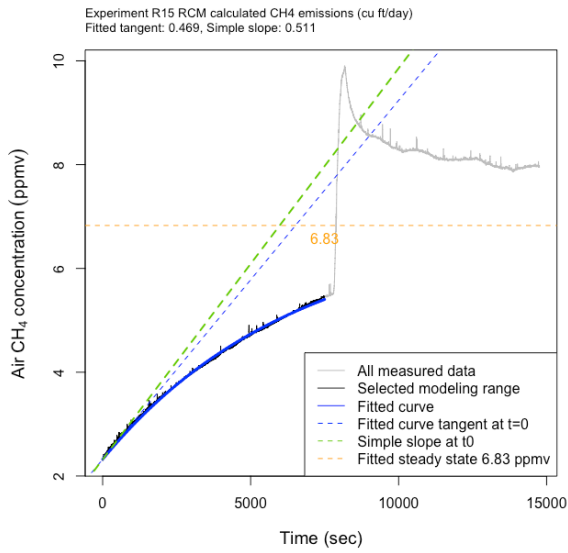


R10 notes: (i) spikes were caused by unburned methane emanating from domestic water NG boiler injectors upwind of the GasScouter sensor. See also section SI 4.6.
(ii) fitted tangent using first 4000 sec was $0.19 \text{ ft}^3 \text{ day}^{-1}$

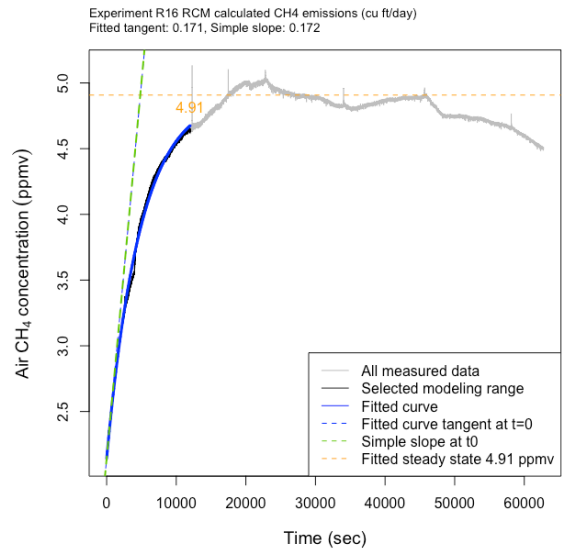


R11 note: fitting with 20000 sec results in a fitted tangent flux of $0.17 \text{ ft}^3 \text{ day}^{-1}$.

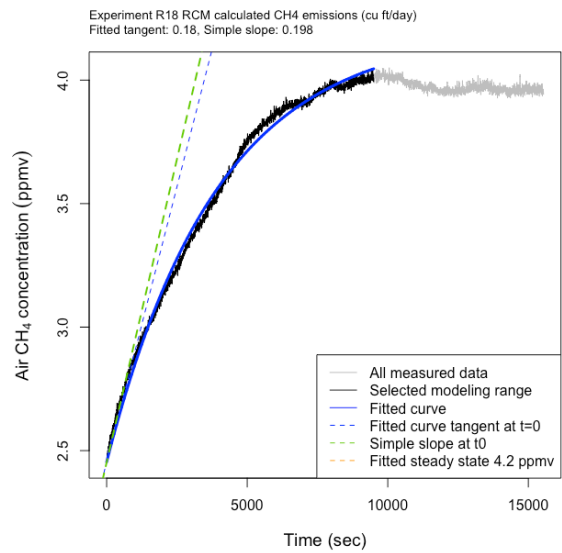
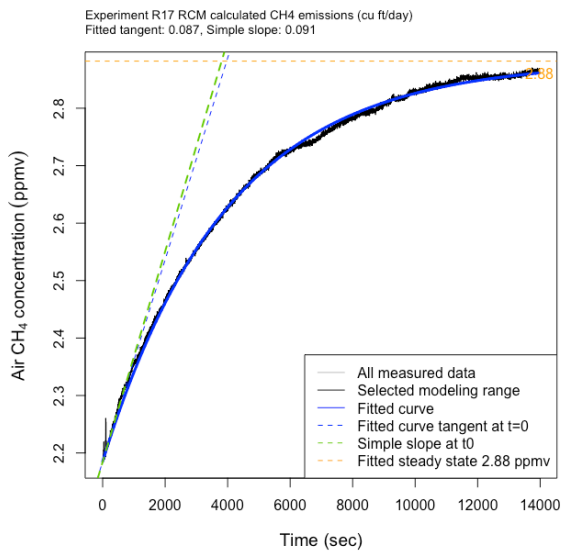


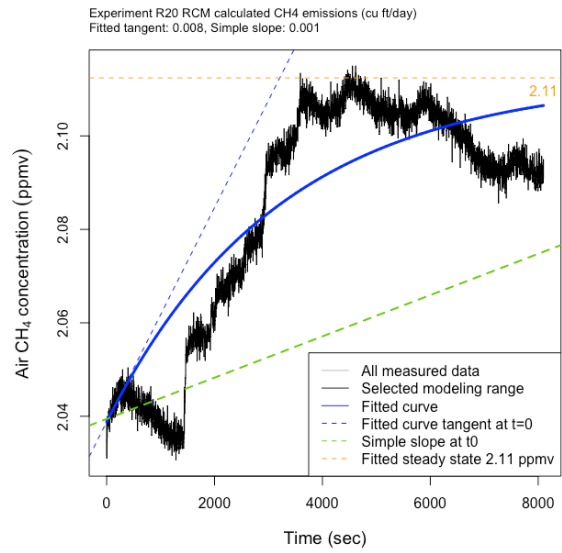
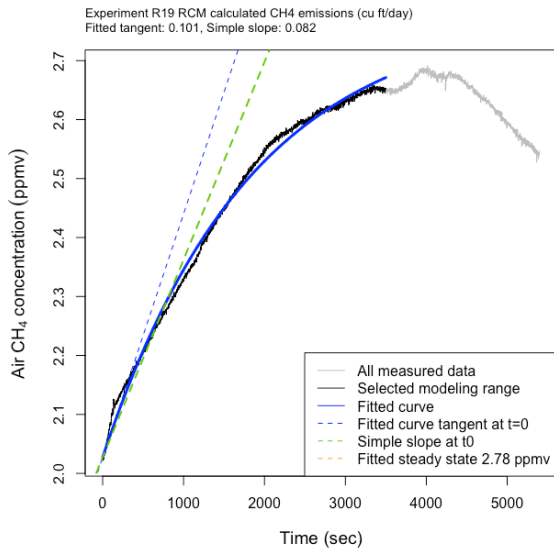


R15 notes: (i) spike example - see section SI 4.6 (ii) fitted tangent using first 15000 sec was 0.49 ft³ day⁻¹



R16 notes: (i) spike example - see section SI 4.6 (ii) fitted tangent using first 25000 sec was 0.16 ft³ day⁻¹





R20 note: using data between 1600 and 4250 sec results in a fitted tangent flux of $0.01 \text{ ft}^3 \text{ day}^{-1}$

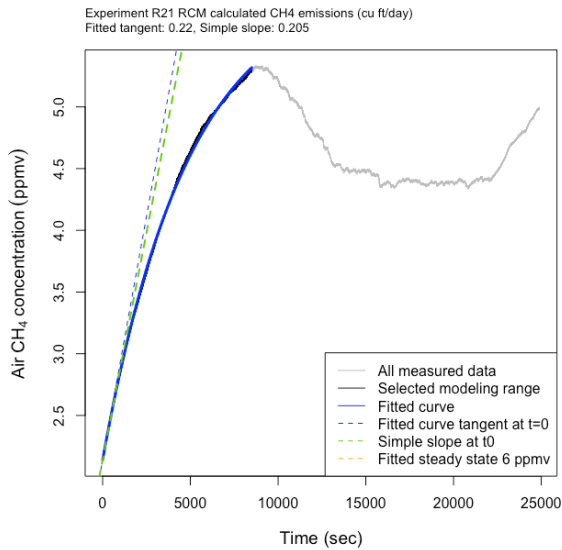


Figure 23. Room chamber method (RCM) data and modeling plots