

Supporting information for manuscript "DETERMINATION OF KINETIC CONSTANTS
FOR TITANIUM-BASED ETHYLENE TRIMERIZATION CATALYSIS"

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Number of pages: 12

Number of figures: 21

Number of tables: 1

Table 1. Product yields of ethylene trimerization runs.

exp #	C ₆ (g)	C ₁₀ (g)	PE (g)	total yield (g)	% C ₆ to C ₁₀
1	22.9	0.7	0.3	23.9	1.9
2	33.6	1.1	1.1	35.8	1.9
3	20.3	0.7	1.2	22.2	2.1
4	16.9	0.7	0.8	18.4	2.4
5	14.7	0.5	1.2	16.5	2.2
6	24.1	1.9	1.6	27.6	4.6
7	19.7	0.8	1.3	21.8	2.4
8	11.7	0.4	1.5	13.5	1.9
9	20.7	1.6	3.9	26.3	4.5
10	7.8	0.1	2.1	10.1	1.1
11	4.1	0.1	3.2	7.4	1.6
12	32.1	1.9	0.3	34.2	3.4
13	30.0	1.6	0.4	31.9	3.1
14	26.1	1.7	0.8	28.6	3.7
15	18.6	1.2	0.5	20.3	3.8
16	25.0	1.6	0.6	27.2	3.7
17	31.1	2.1	0.7	33.9	3.9
18	20.2	1.0	2.2	23.4	2.9
19	21.7	1.6	1.4	24.7	4.2
20	16.2	0.7	2.3	19.2	2.6

Parity plots for catalyst 1

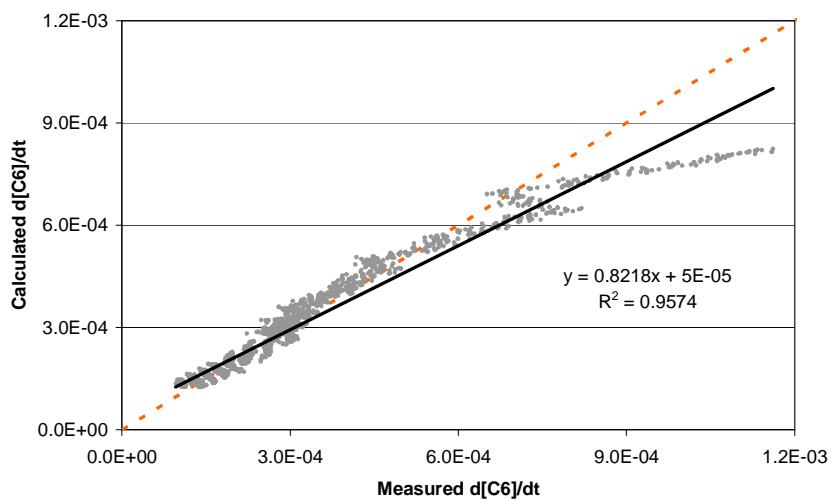


Figure 1. Parity plot for experiment 1.

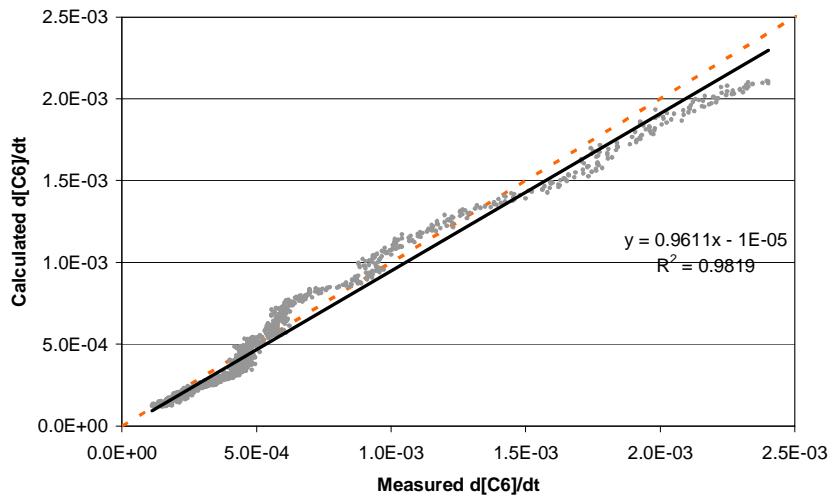


Figure 2. Parity plot for experiment 2.

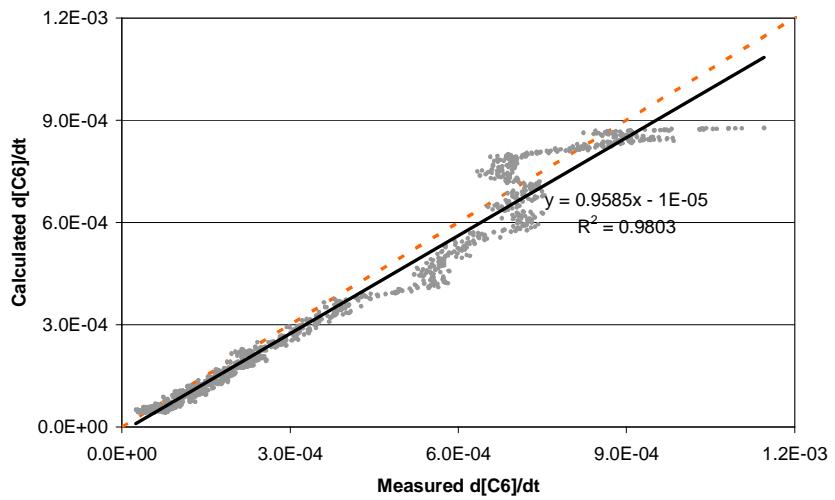


Figure 3. Parity plot for experiment 3.

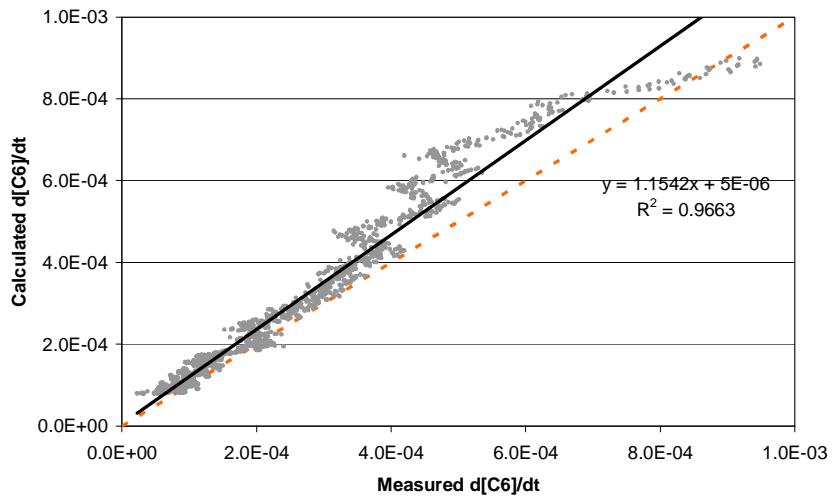


Figure 4. Parity plot for experiment 4.

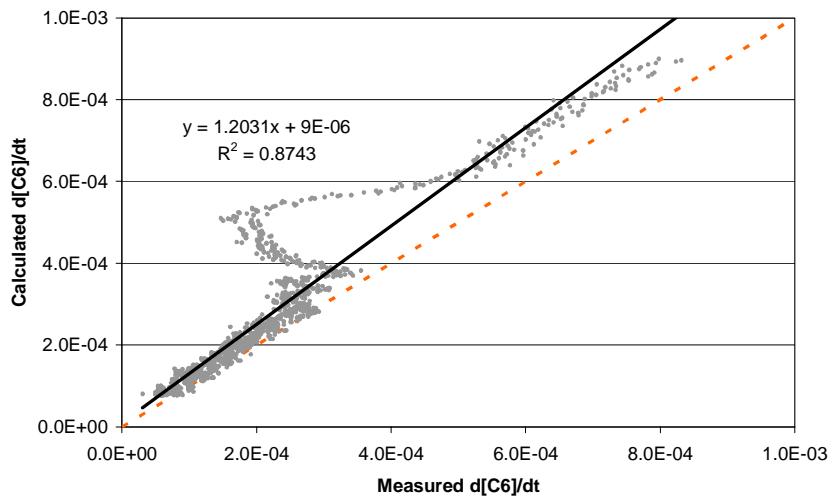


Figure 5. Parity plot for experiment 5.

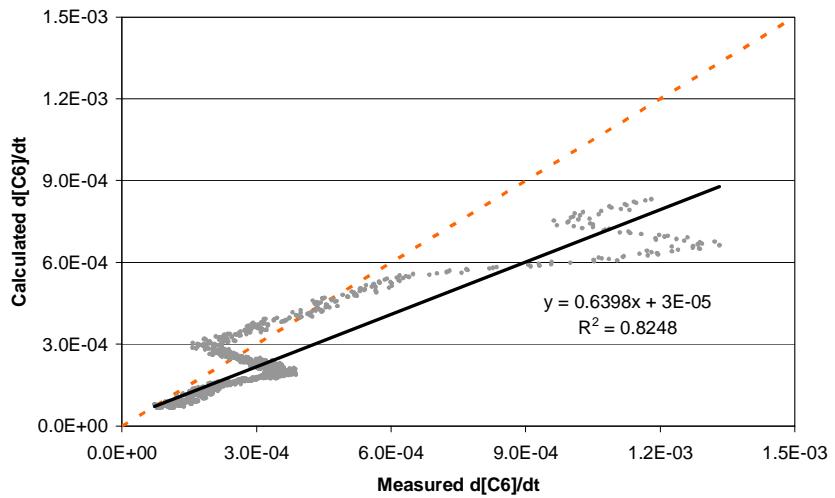


Figure 6. Parity plot for experiment 6.

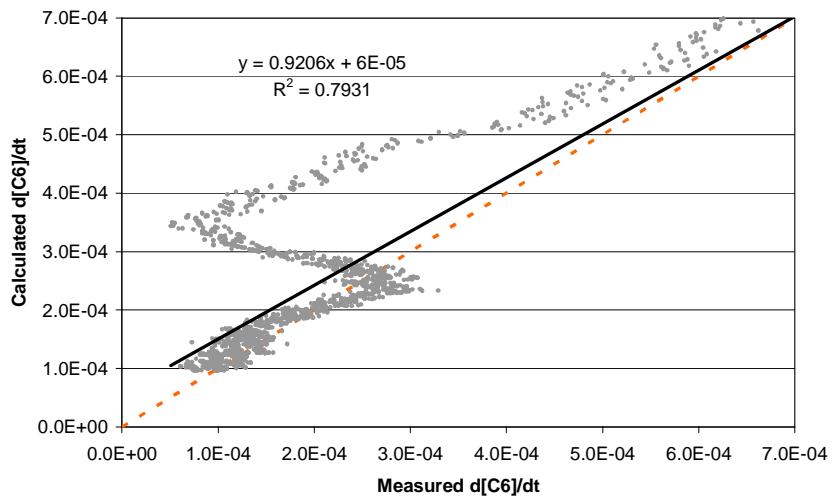


Figure 7. Parity plot for experiment 7.

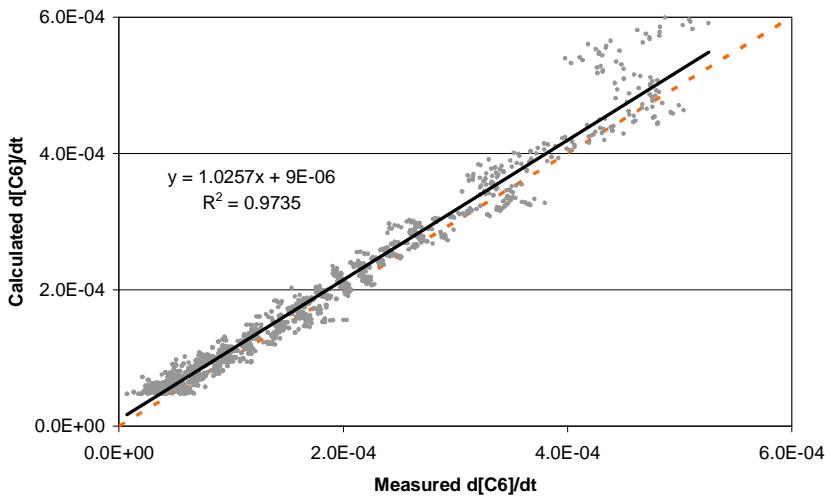


Figure 8. Parity plot for experiment 8.

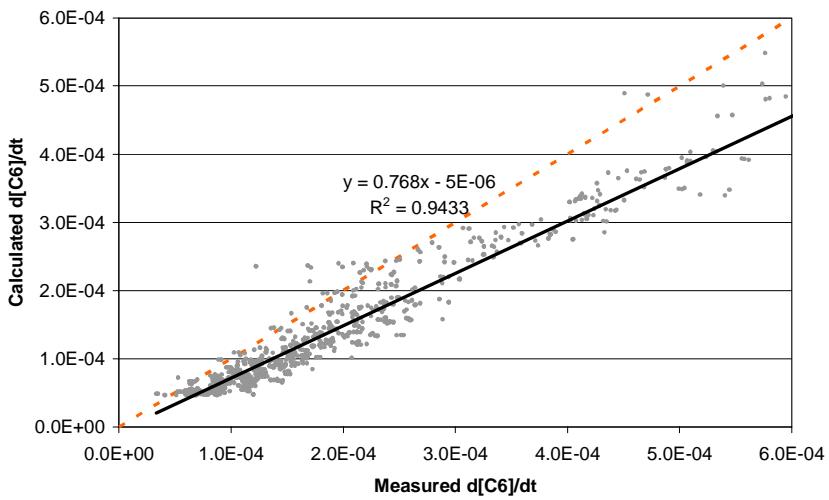


Figure 9. Parity plot for experiment 9.

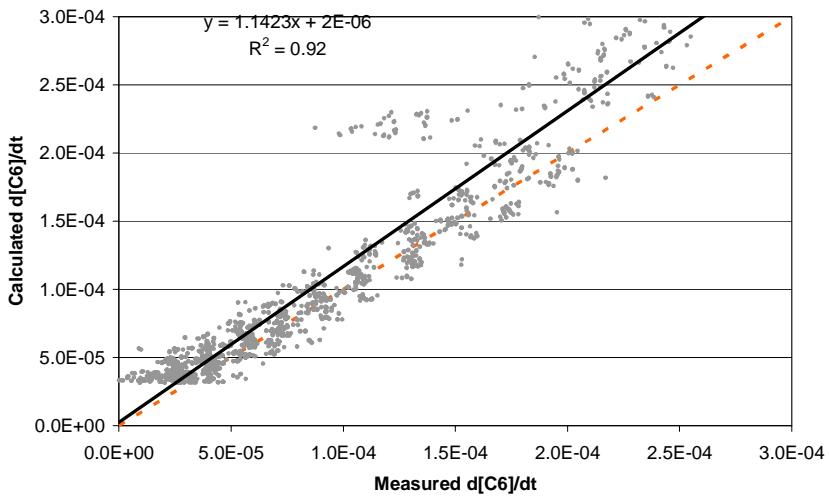


Figure 10. Parity plot for experiment 10.

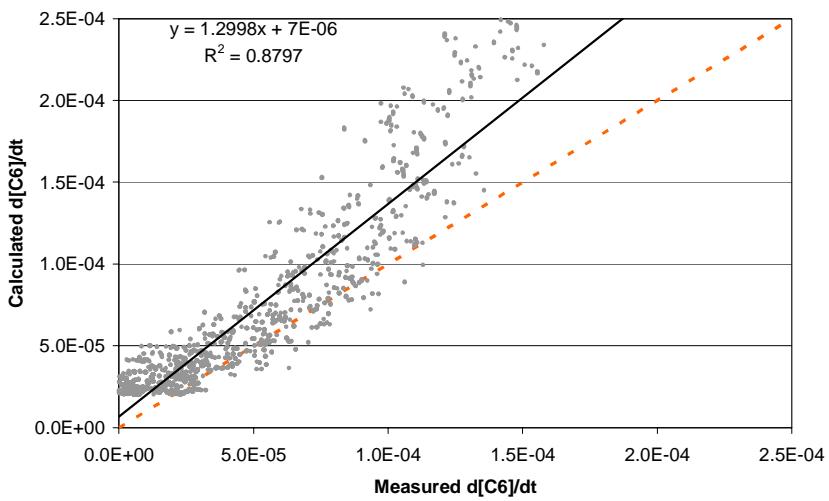


Figure 11. Parity plot for experiment 11.

Parity plots for catalyst 2

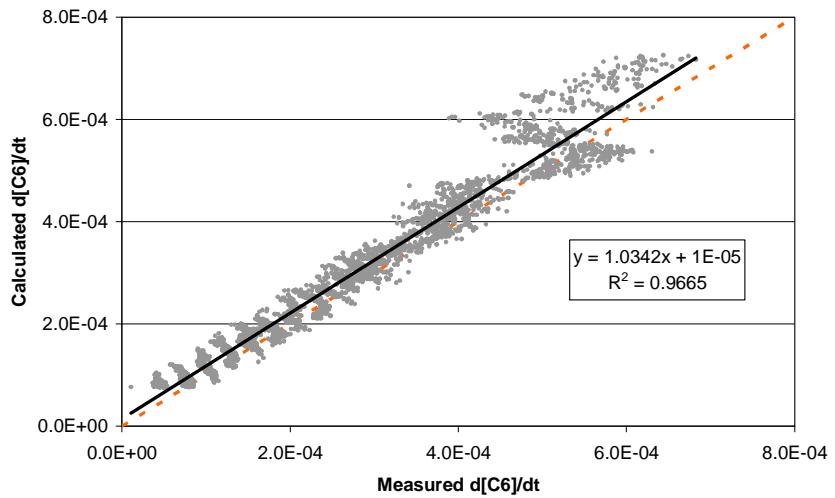


Figure 12. Parity plot for experiment 12.

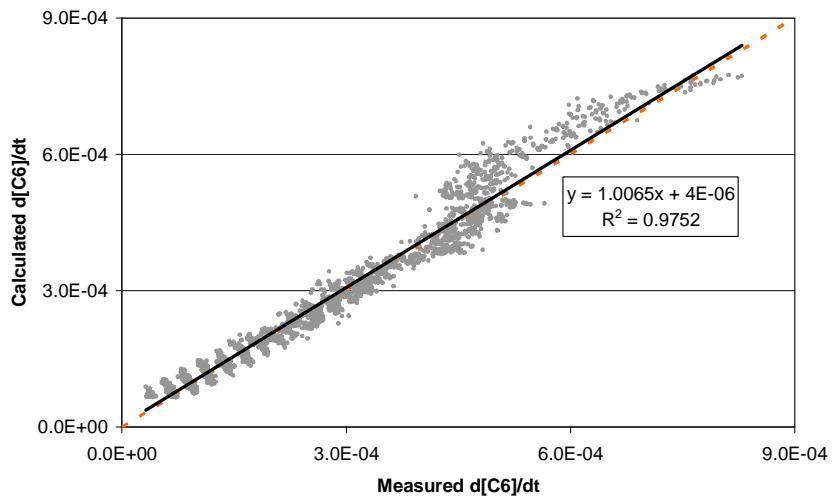


Figure 13. Parity plot for experiment 13.

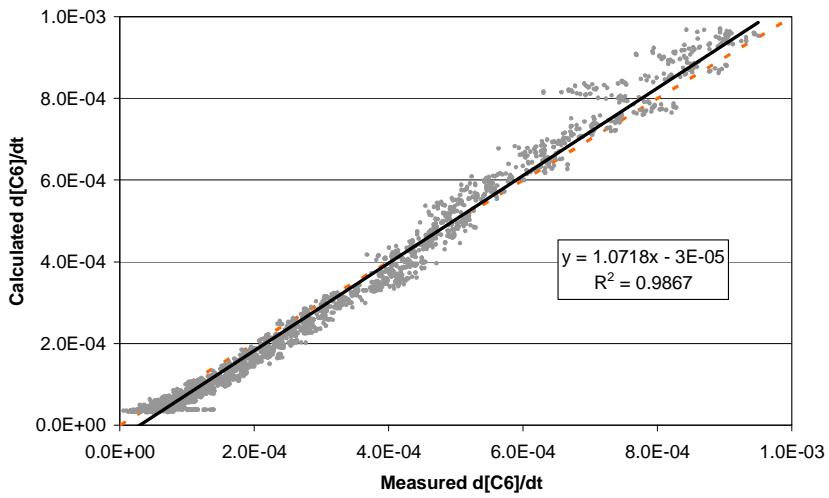


Figure 14. Parity plot for experiment 14.

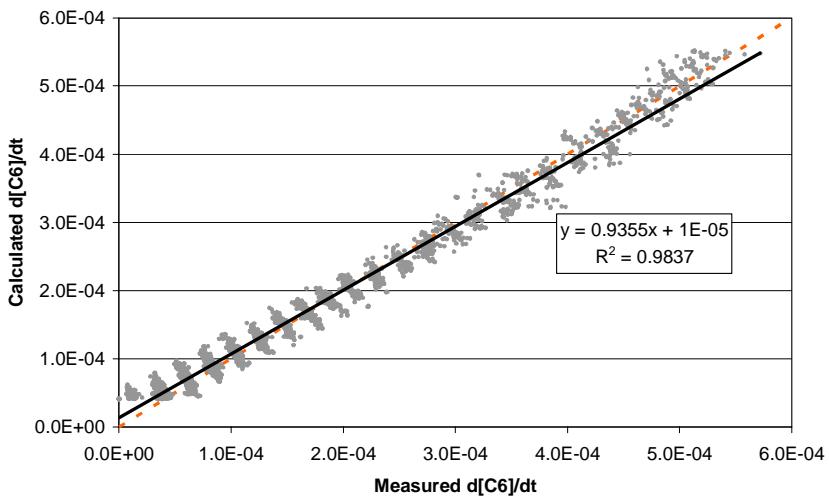


Figure 15. Parity plot for experiment 15.

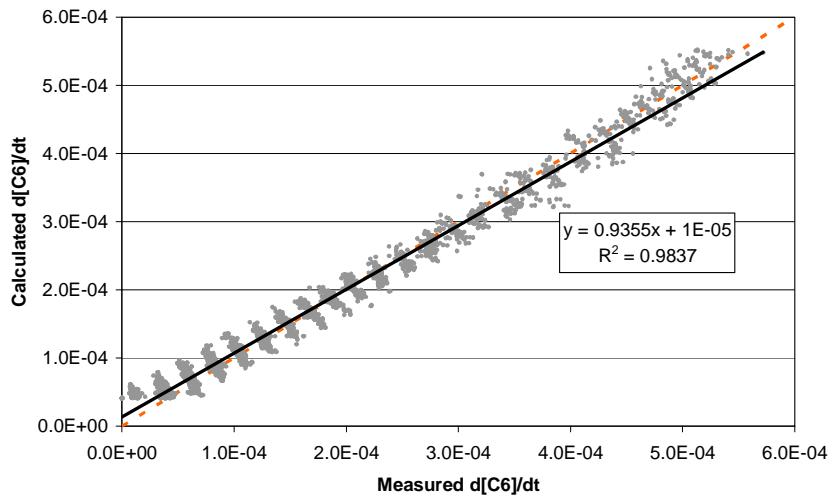


Figure 16. Parity plot for experiment 16.

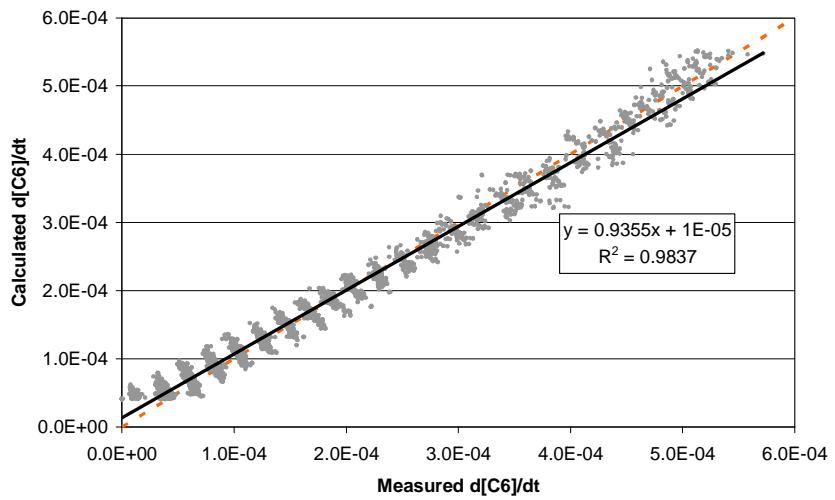


Figure 17. Parity plot for experiment 17.

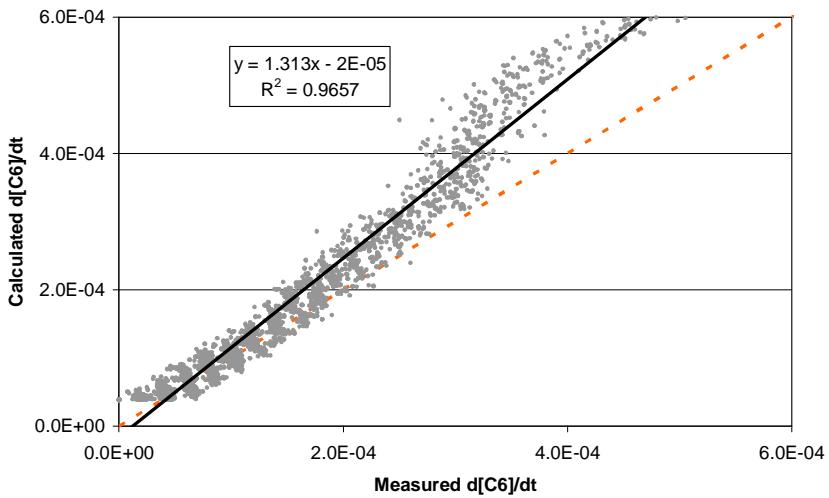


Figure 18. Parity plot for experiment 18.

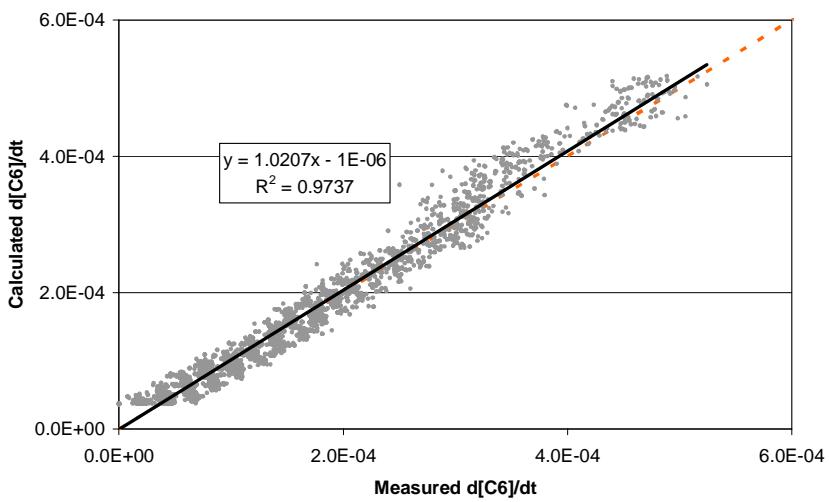


Figure 19. Parity plot for experiment 18 after applying a reduced amount of catalyst.

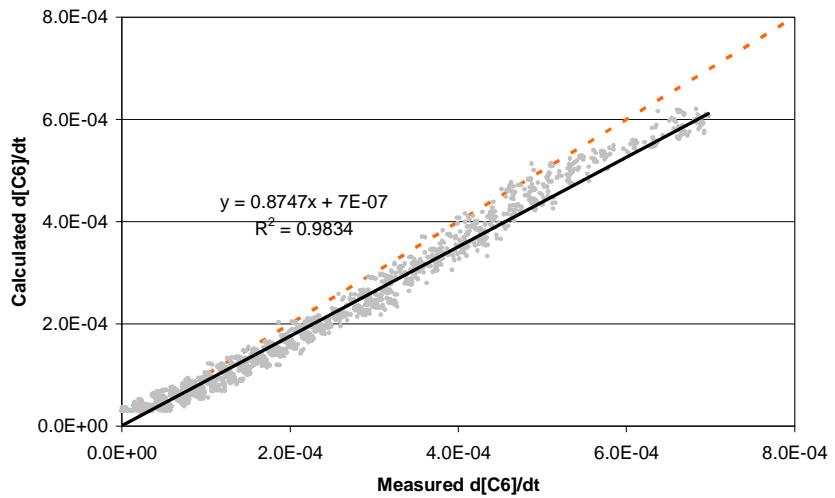


Figure 20. Parity plot for experiment 19.

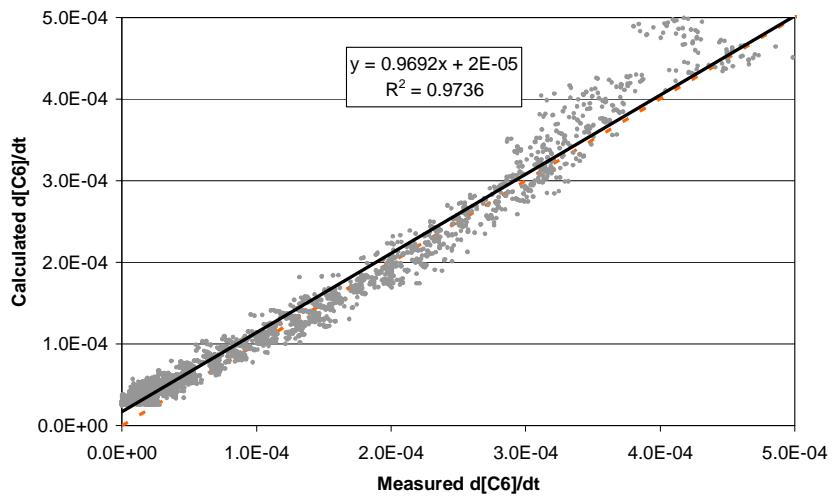


Figure 21. Parity plot for experiment 20.