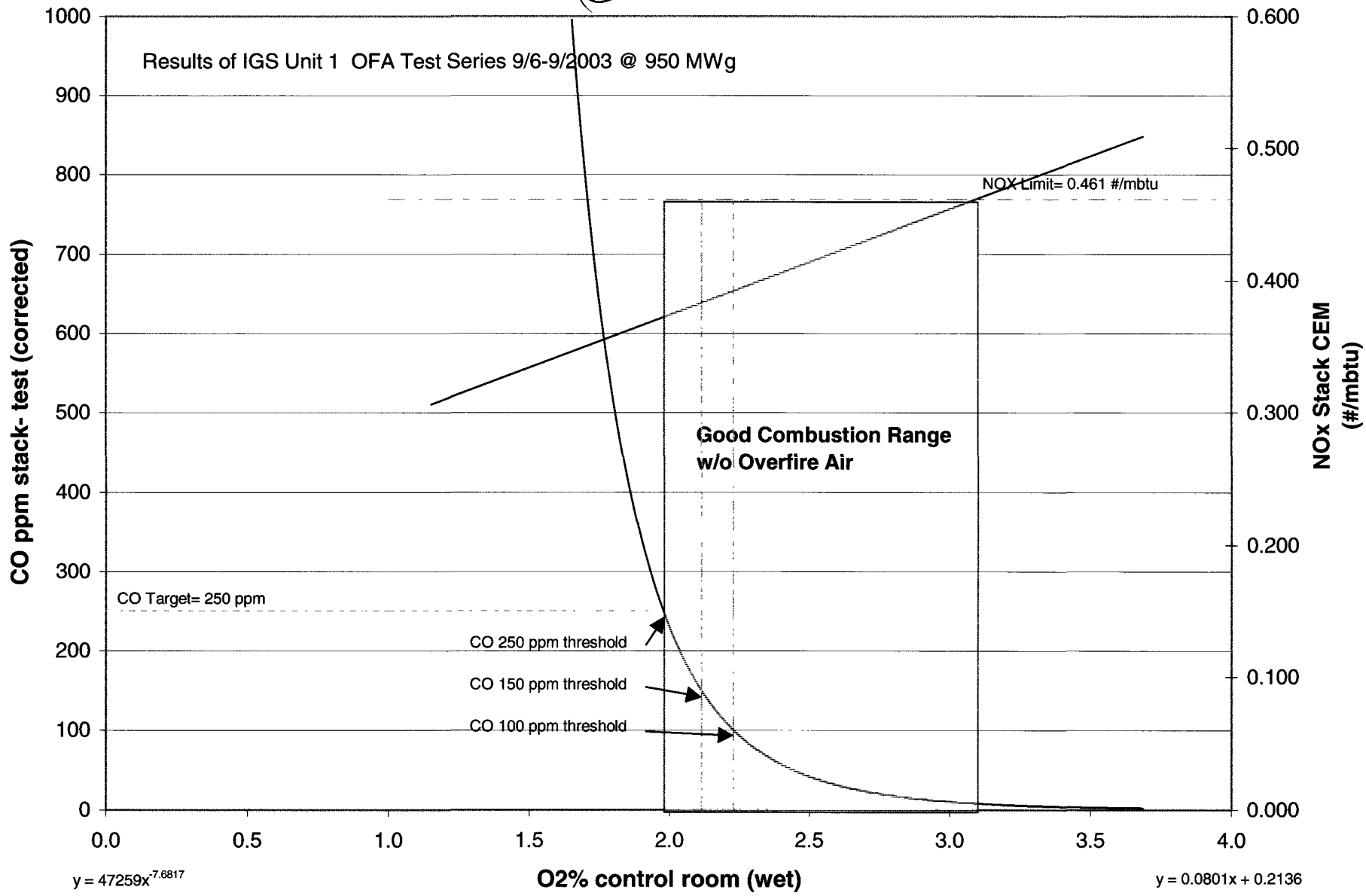
O2% (control room) vs CO ppm (stack test) & NOx #/mbtu (stack CEM)
NO Overfire Air (5% cooling) OFA 1/3, 2/3, & inlet dampers closed



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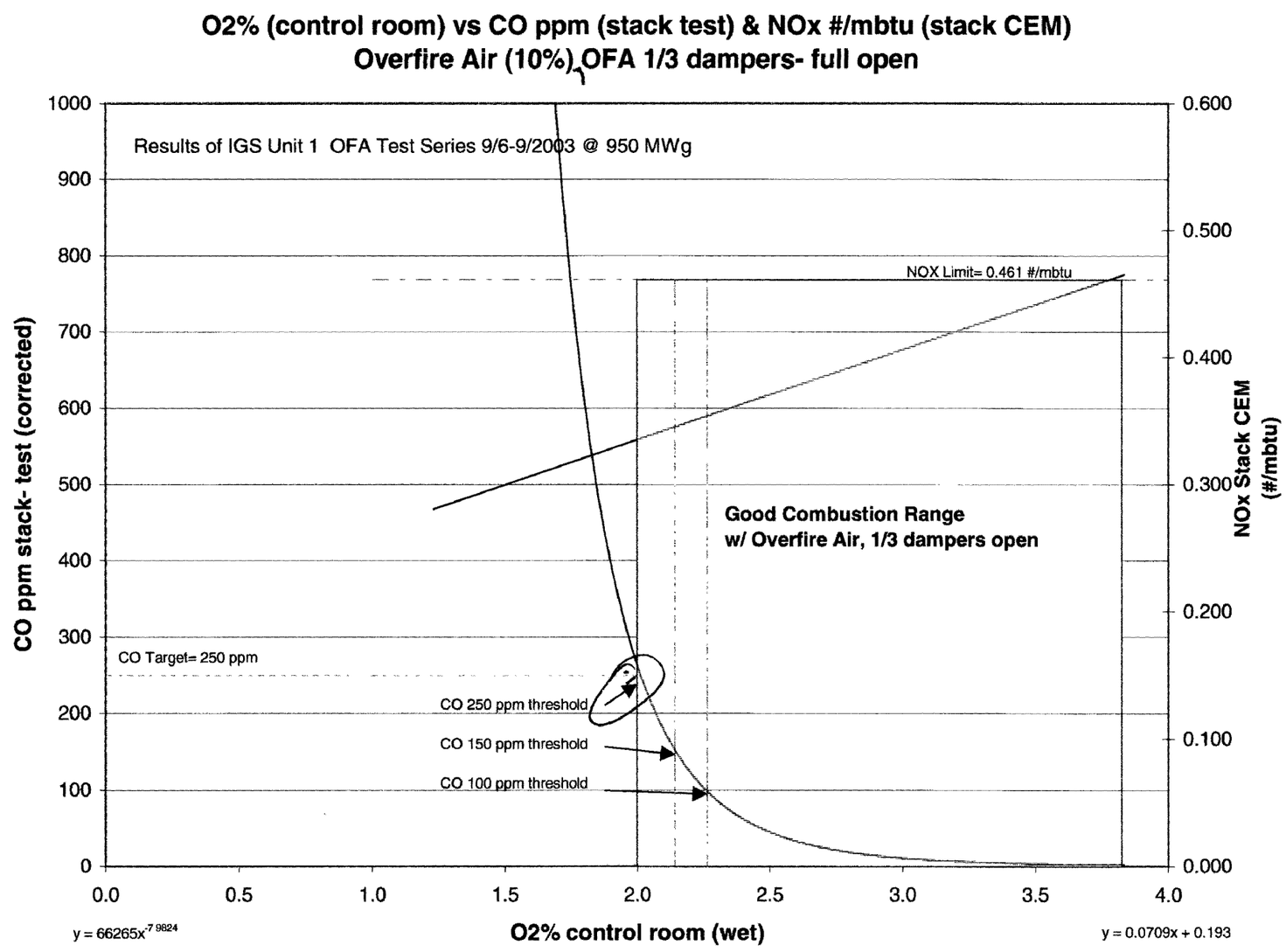
O2% (control room) vs CO ppm (stack test) & NOx #/mbtu (stack CEM)
Overfire Air (10%) OFA 1/3 dampers- full open
Results of IGS Unit 1 OFA Test Series 9/6-9/2003 @ 950 MWg
NOX Limit= 0.461 #/mbtu
Good Combustion Range
w/ Overfire Air, 1/3 dampers open
CO Target= 250 ppm
CO 250 ppm threshold
CO 150 ppm threshold
CO 100 ppm threshold
CO ppm stack- test (corrected)
NOx Stack CEM (#/mbtu)
O2% control room (wet)
y = 66265x^-7.9824
y = 0.0709x + 0.193
1000
900
800
700
600
500
400
300
200
100
0
0.600
0.500
0.400
0.300
0.200
0.100
0.000
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0

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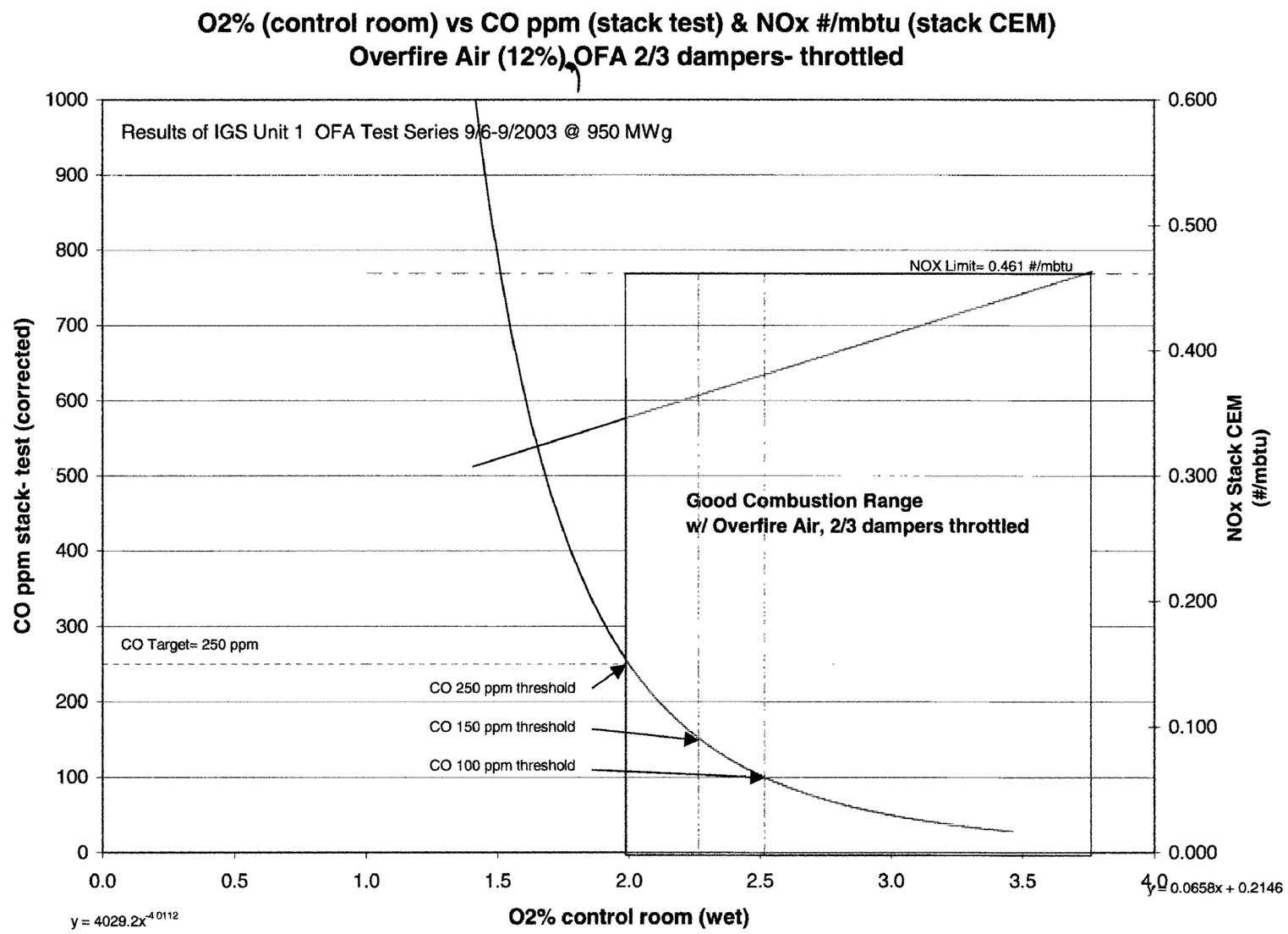
O2% (control room) vs CO ppm (stack test) & NOx #/mbtu (stack CEM)
Overfire Air (12%) OFA 2/3 dampers- throttled
Results of IGS Unit 1 OFA Test Series 9/6-9/2003 @ 950 MWg
NOX Limit= 0.461 #/mbtu
Good Combustion Range
w/ Overfire Air, 2/3 dampers throttled
CO Target= 250 ppm
CO 250 ppm threshold
CO 150 ppm threshold
CO 100 ppm threshold
CO ppm stack- test (corrected)
NOx Stack CEM (#/mbtu)
O2% control room (wet)
y = 4029.2x^-4.0112
y = 0.0658x + 0.2146
1000
900
800
700
600
500
400
300
200
100
0
0.600
0.500
0.400
0.300
0.200
0.100
0.000
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0

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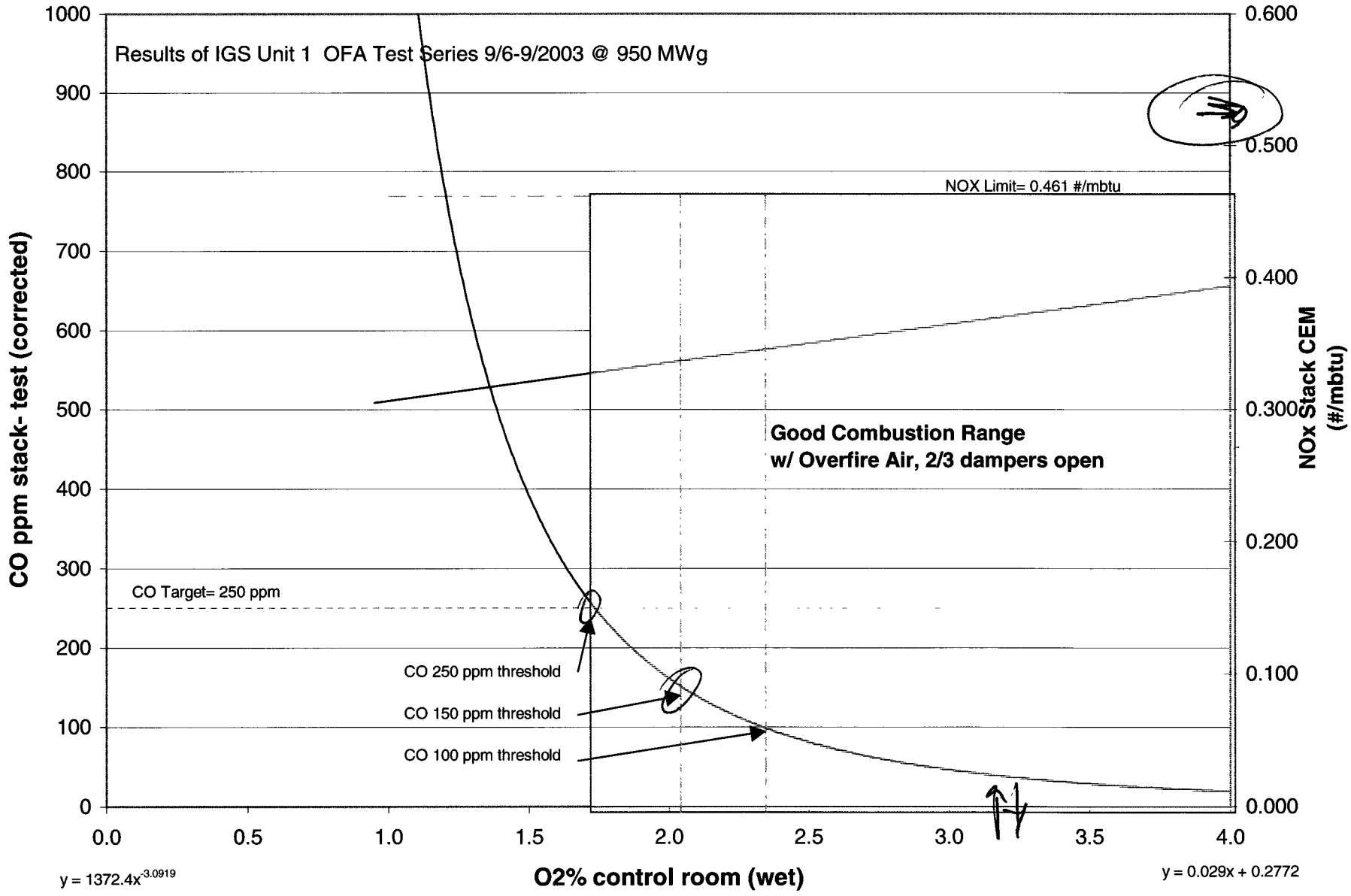
O2% (control room) vs CO ppm (stack test) & NOx #/mbtu (stack CEM)
Overfire Air (14%), OFA 2/3 dampers- full open



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