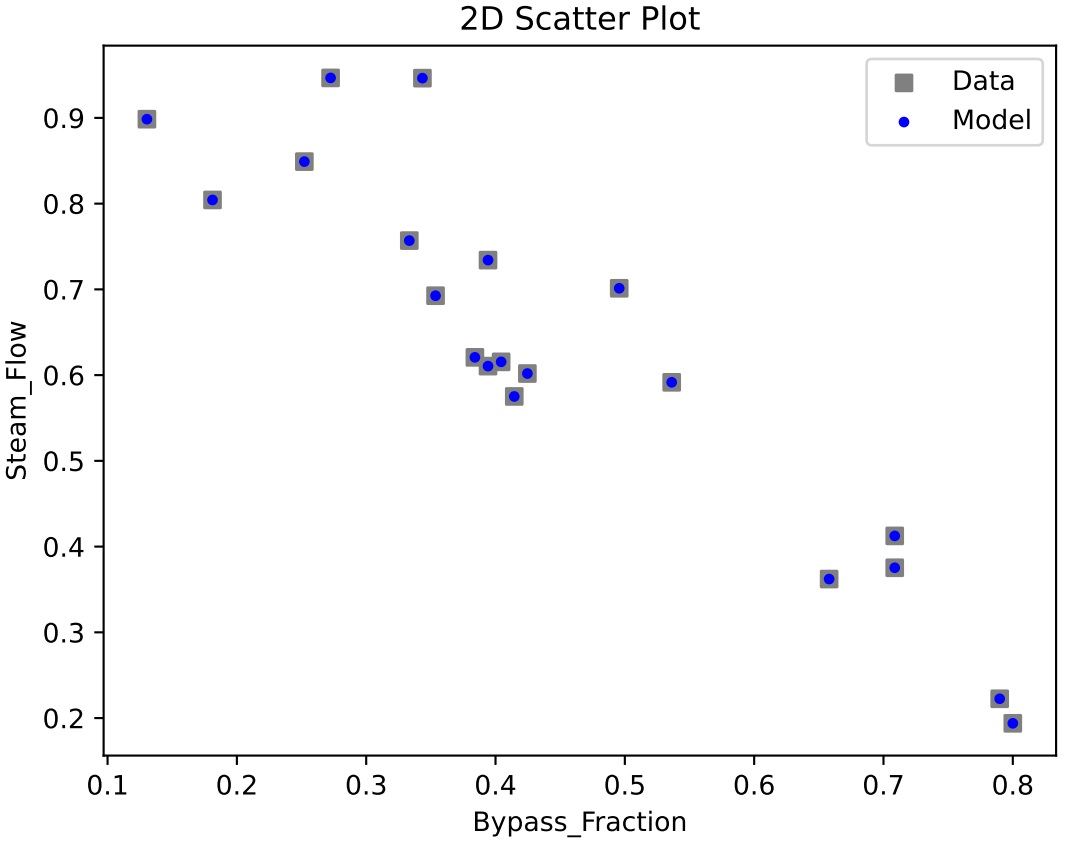
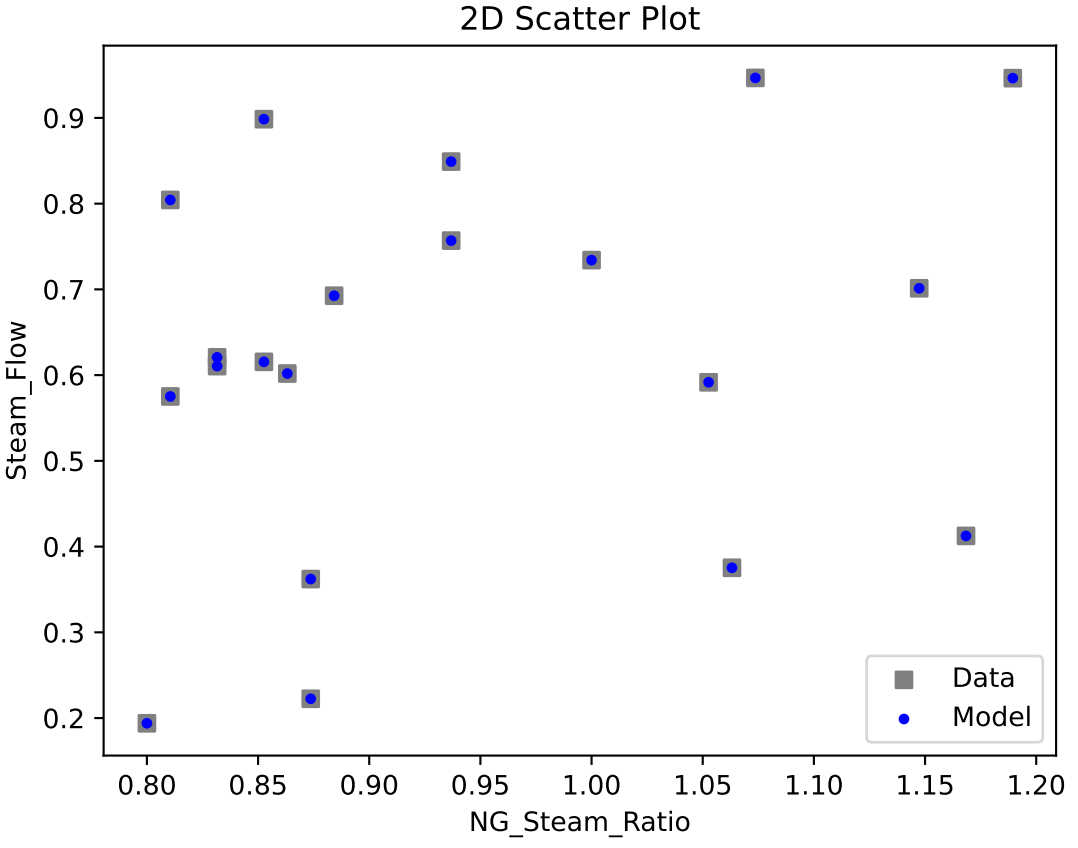
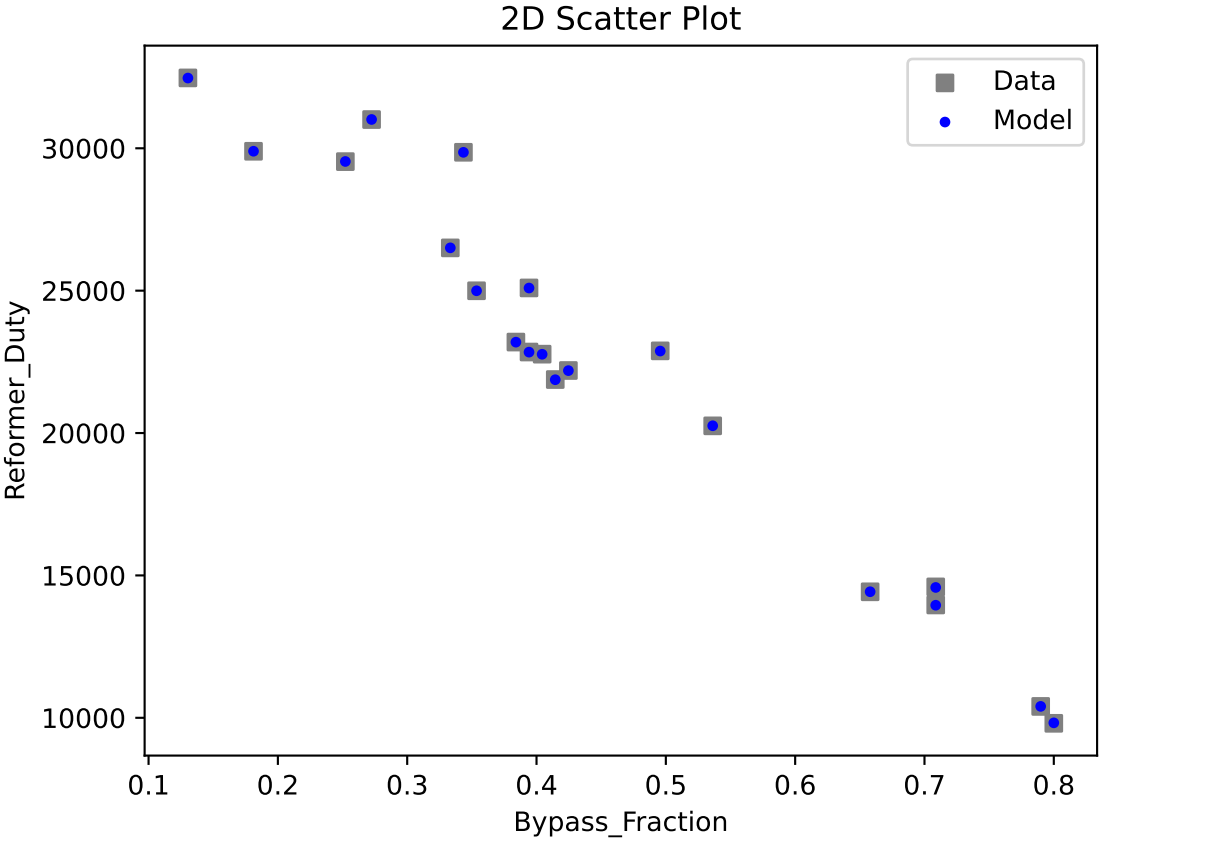
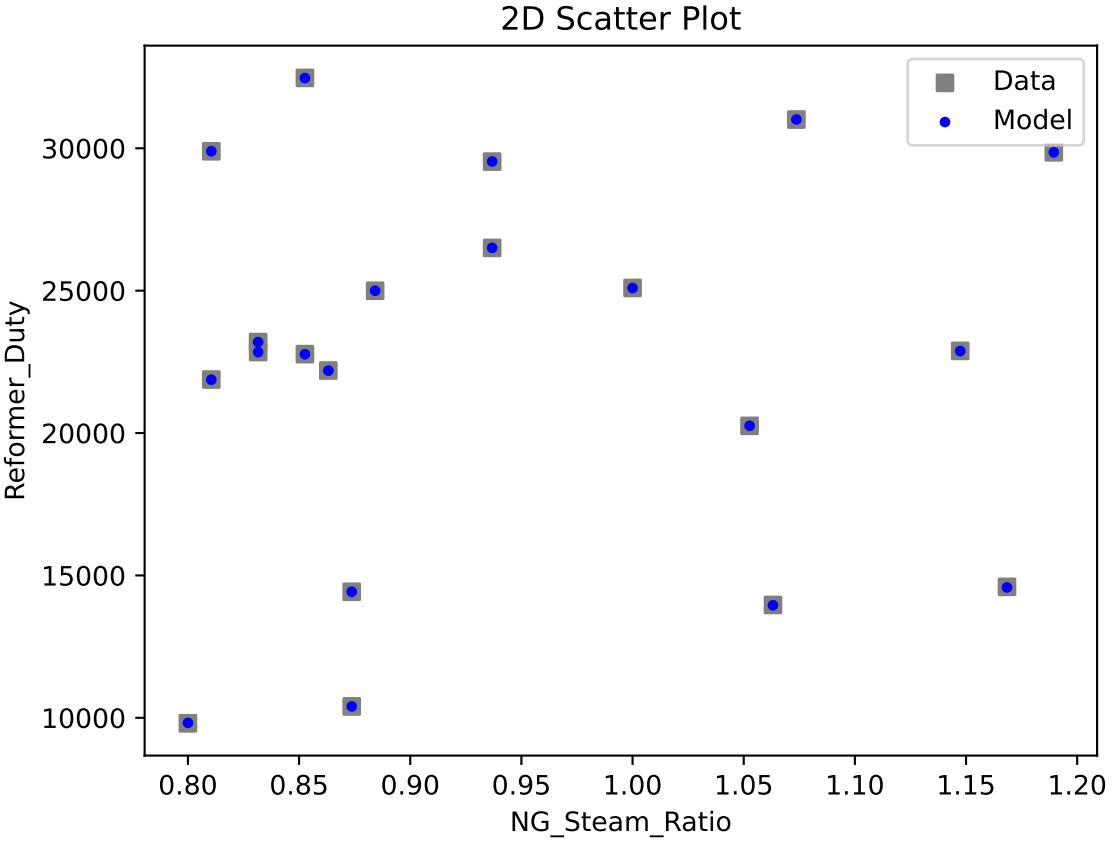
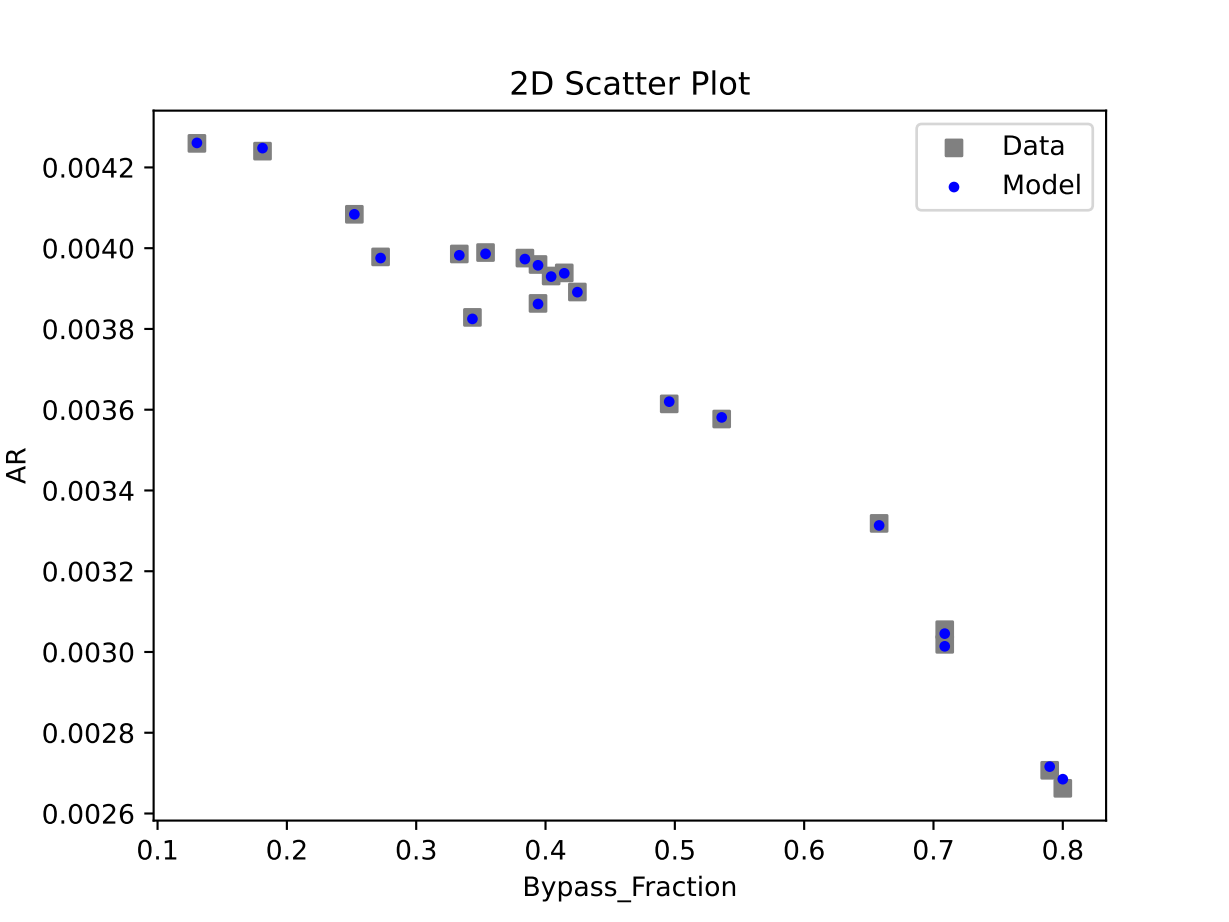
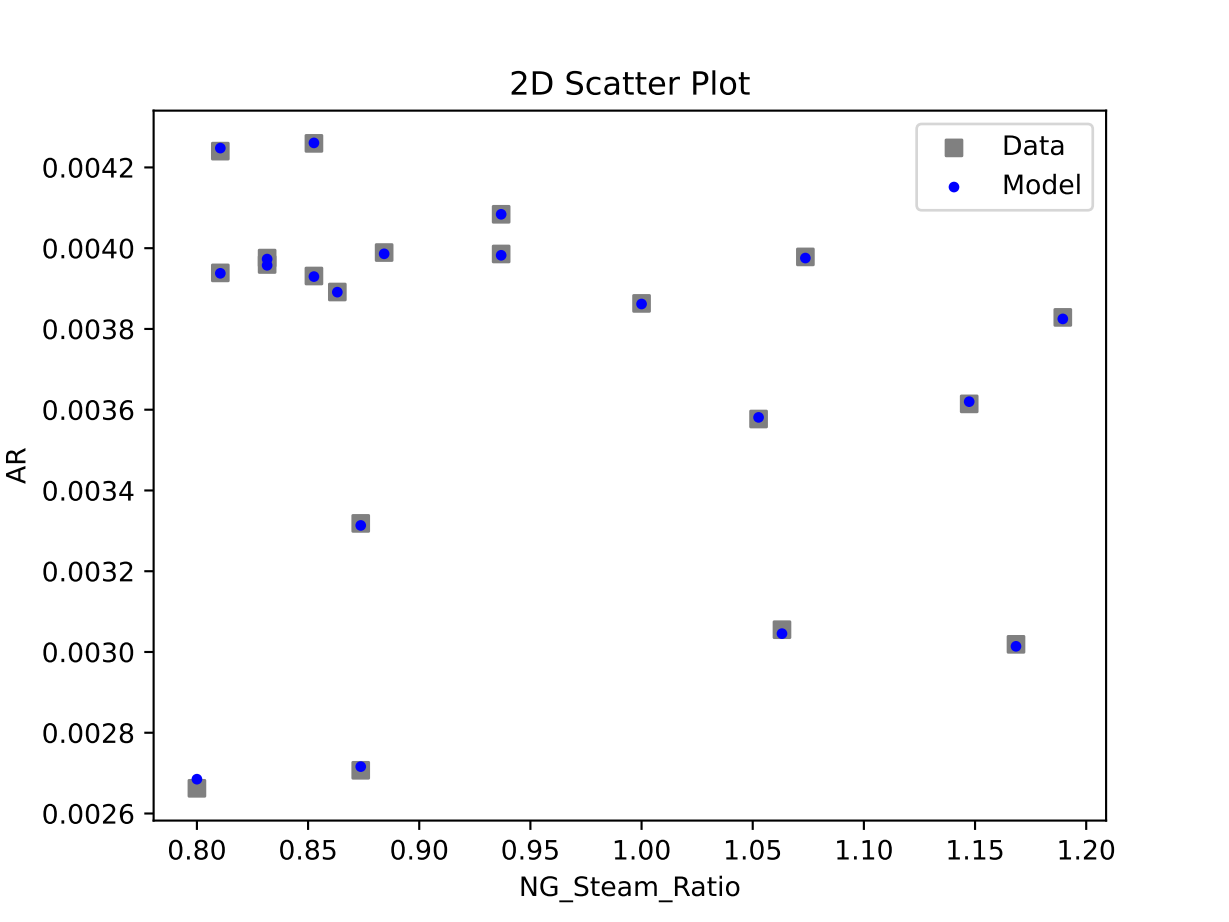

2D Scatter Plot
Data
Model
Steam_Flow
Bypass_Fraction
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8


2D Scatter Plot
Steam_Flow
NG_Steam_Ratio
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
0.80
0.85
0.90
0.95
1.00
1.05
1.10
1.15
1.20
Data
Model


2D Scatter Plot
Data
Model
Reformer_Duty
Bypass_Fraction
30000
25000
20000
15000
10000
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8


2D Scatter Plot
Data
Model
Reformer_Duty
NG_Steam_Ratio
30000
25000
20000
15000
10000
0.80
0.85
0.90
0.95
1.00
1.05
1.10
1.15
1.20


2D Scatter Plot
Data
Model
AR
Bypass_Fraction
0.0042
0.0040
0.0038
0.0036
0.0034
0.0032
0.0030
0.0028
0.0026
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8


2D Scatter Plot
Data
Model
AR
NG_Steam_Ratio
0.0042
0.0040
0.0038
0.0036
0.0034
0.0032
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0.0028
0.0026
0.80
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0.90
0.95
1.00
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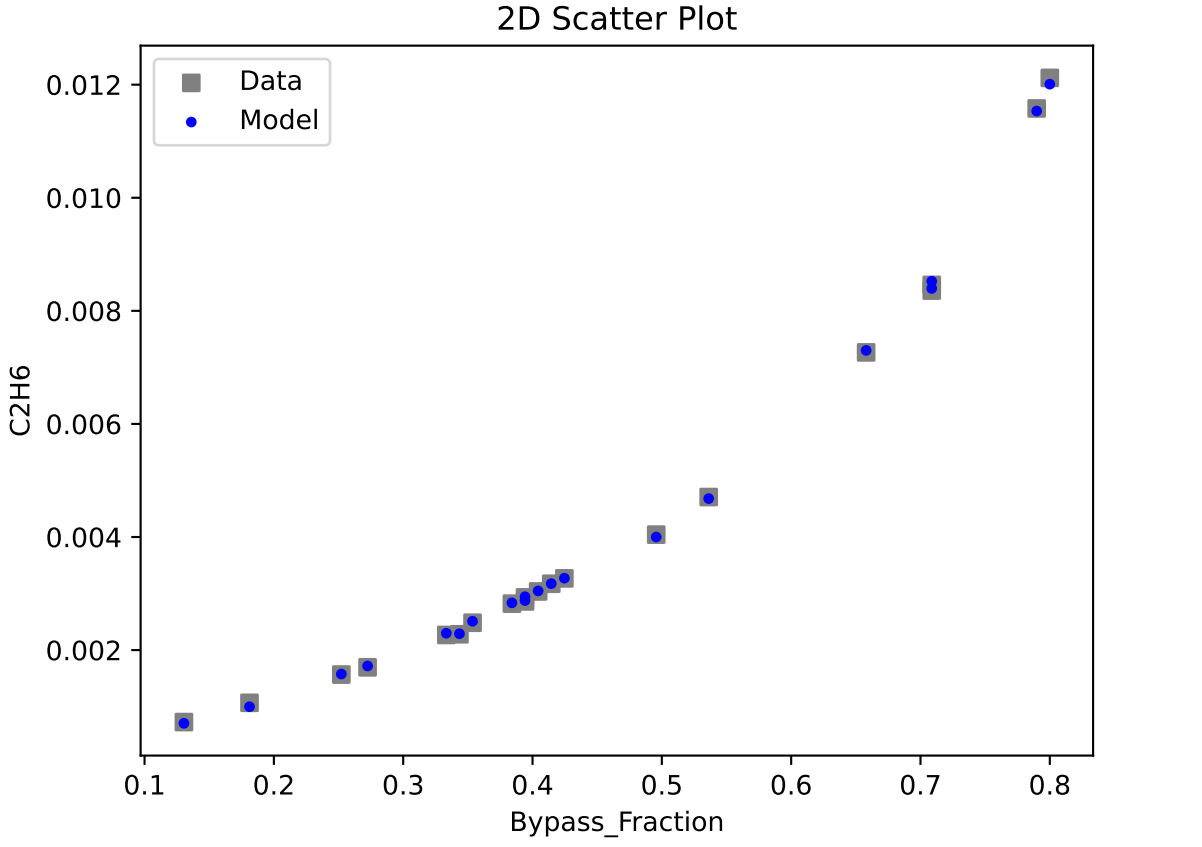
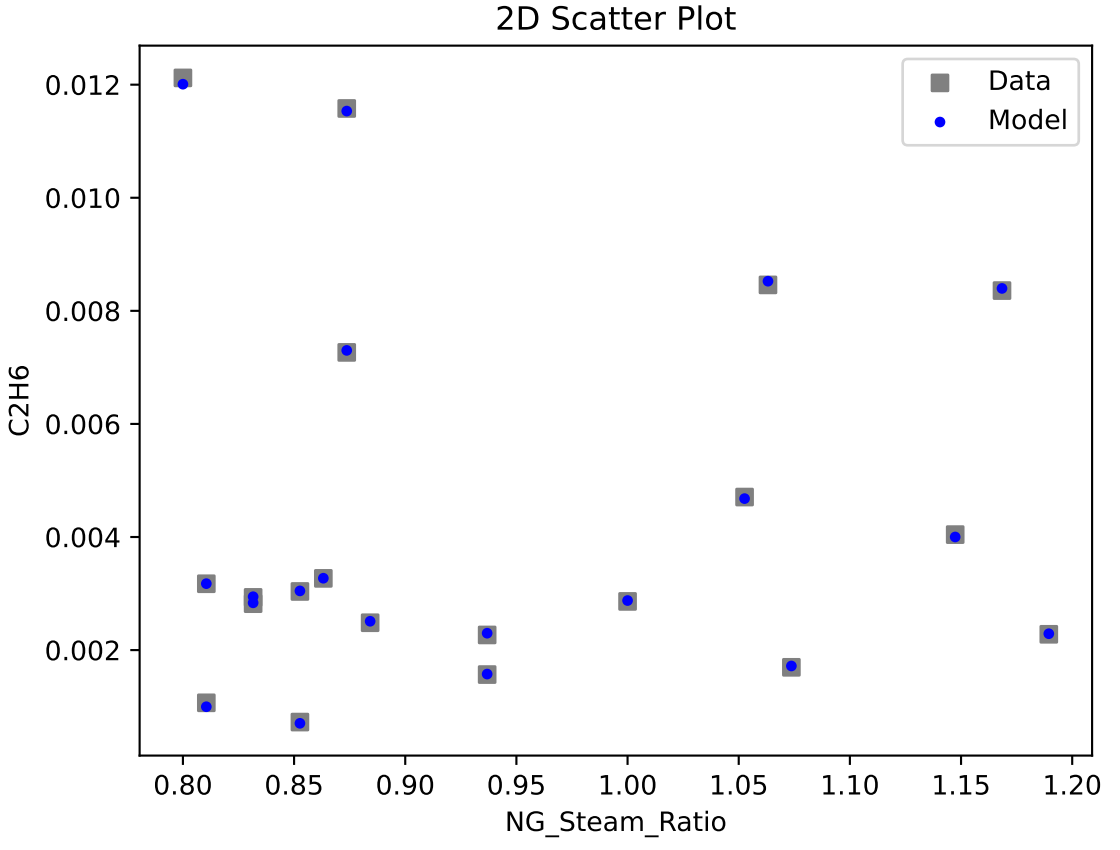
1.10
1.15
1.20


2D Scatter Plot
Data
Model
0.012
0.010
0.008
0.006
0.004
0.002
C2H6
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
Bypass_Fraction


2D Scatter Plot
Data
Model
C2H6
NG_Steam_Ratio
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0.010
0.008
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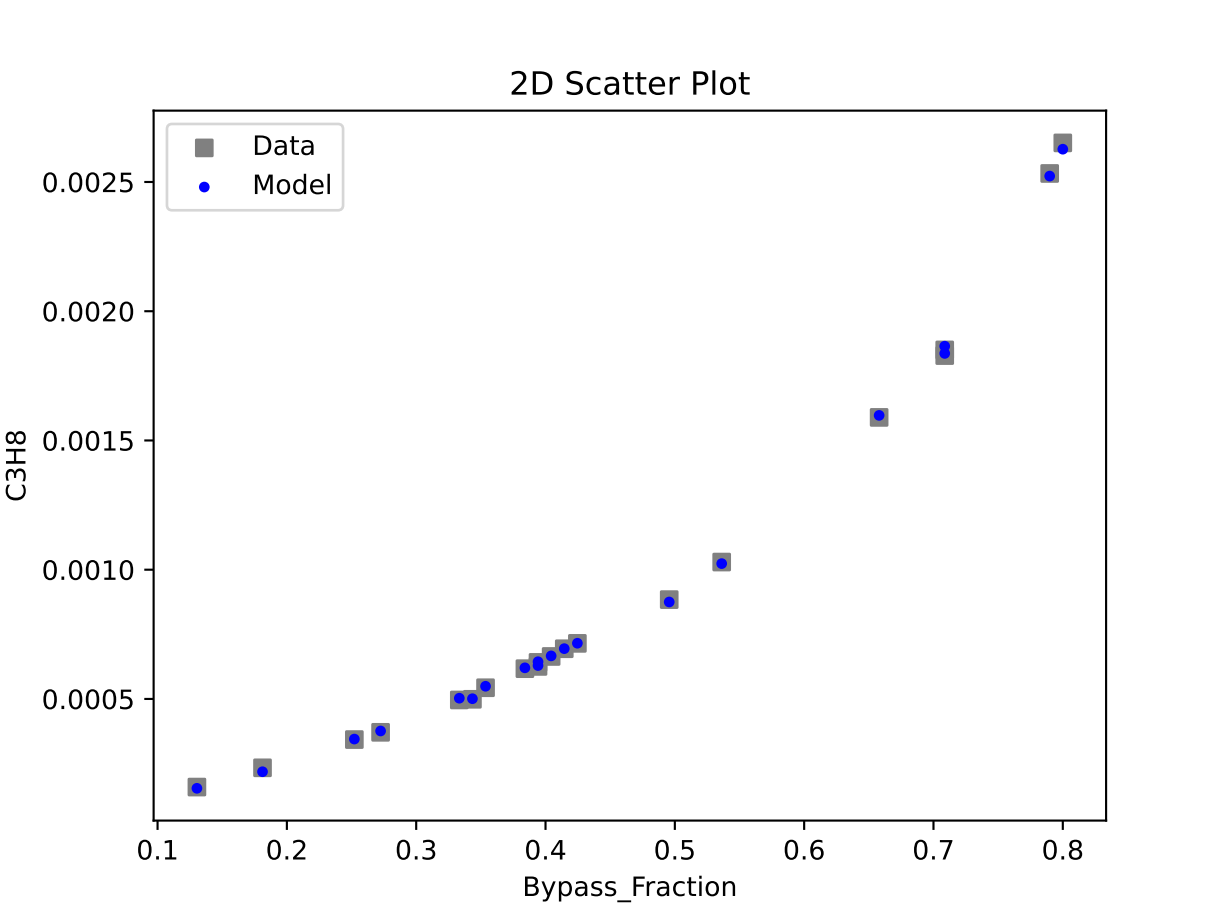
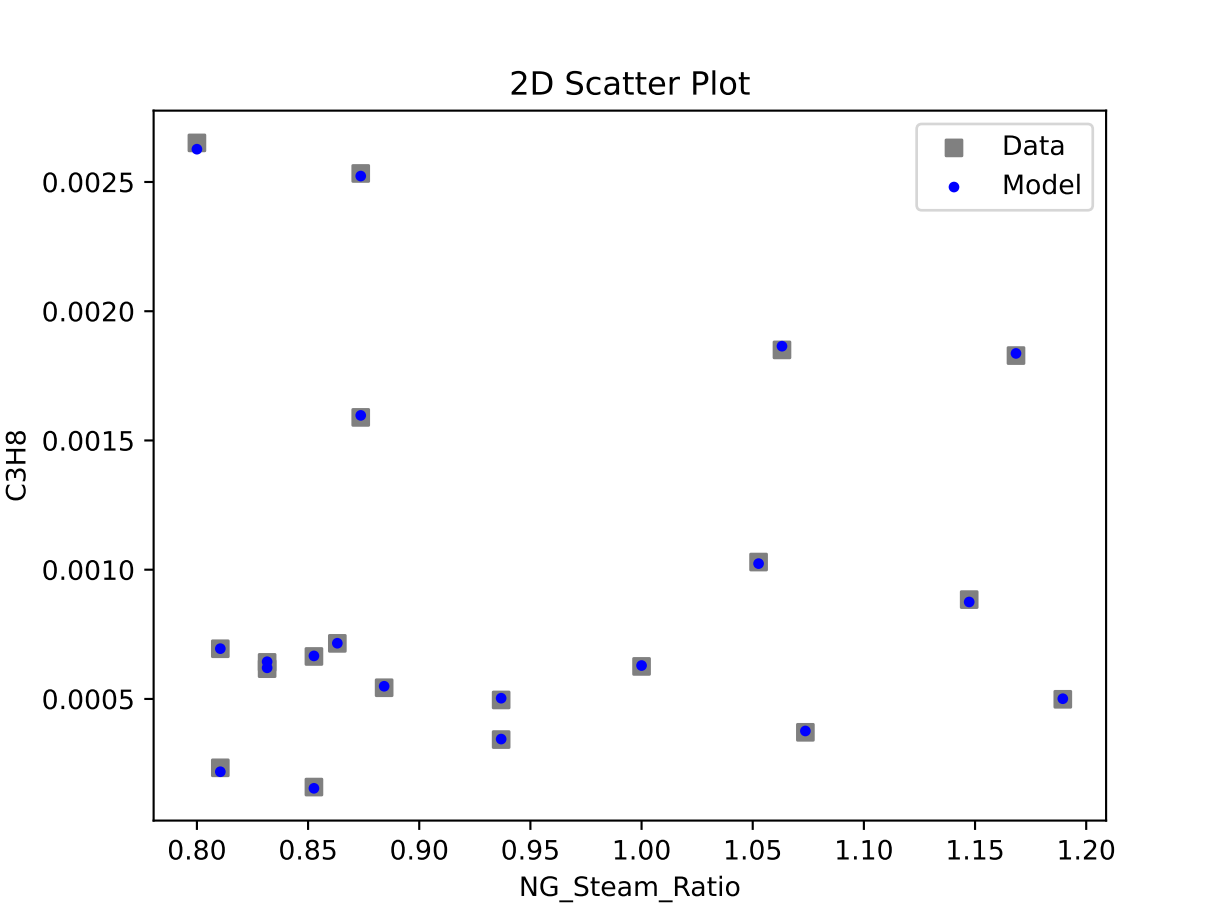
0.004
0.002
0.80
0.85
0.90
0.95
1.00
1.05
1.10
1.15
1.20


2D Scatter Plot
Data
Model
0.0025
0.0020
0.0015
0.0010
0.0005
C3H8
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
Bypass_Fraction


2D Scatter Plot
Data
Model
0.0025
0.0020
0.0015
0.0010
0.0005
C3H8
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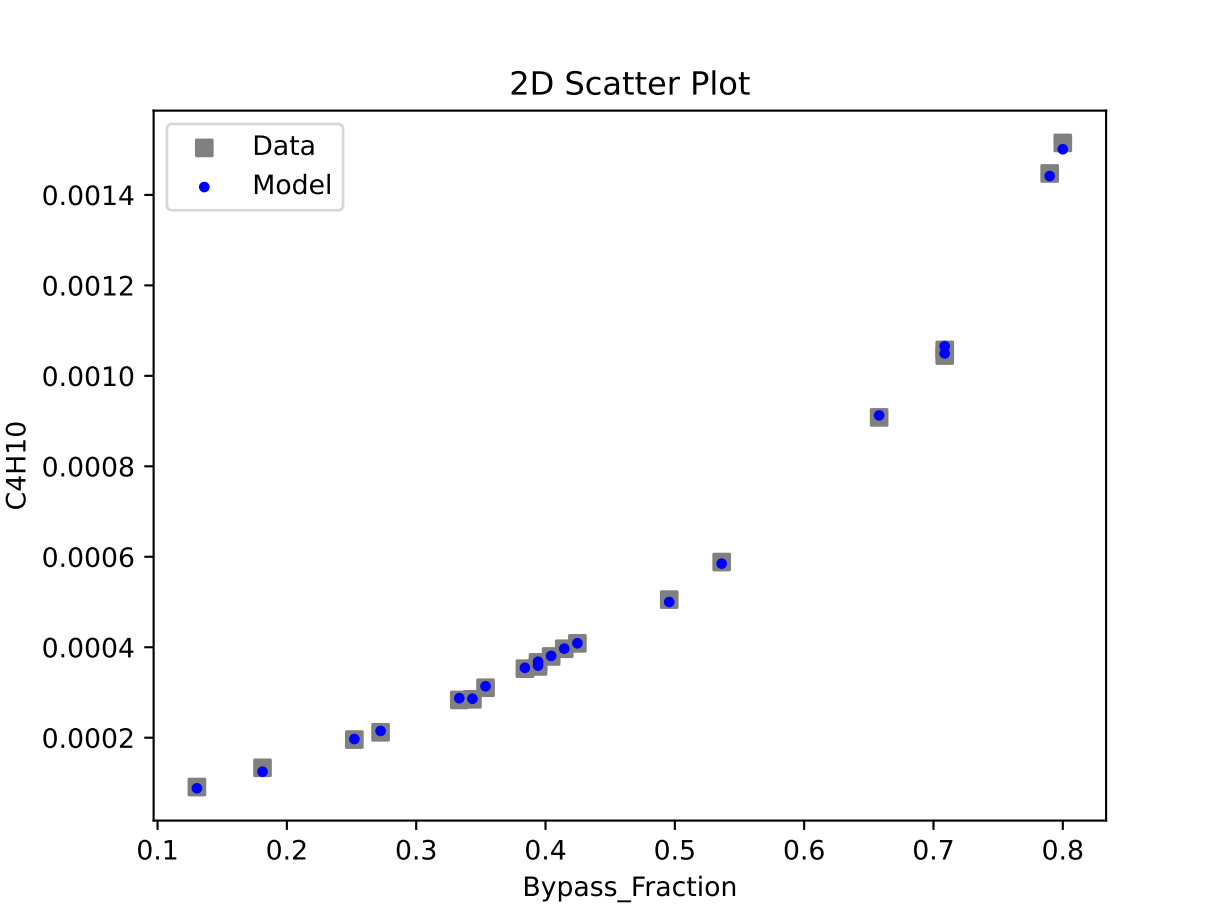
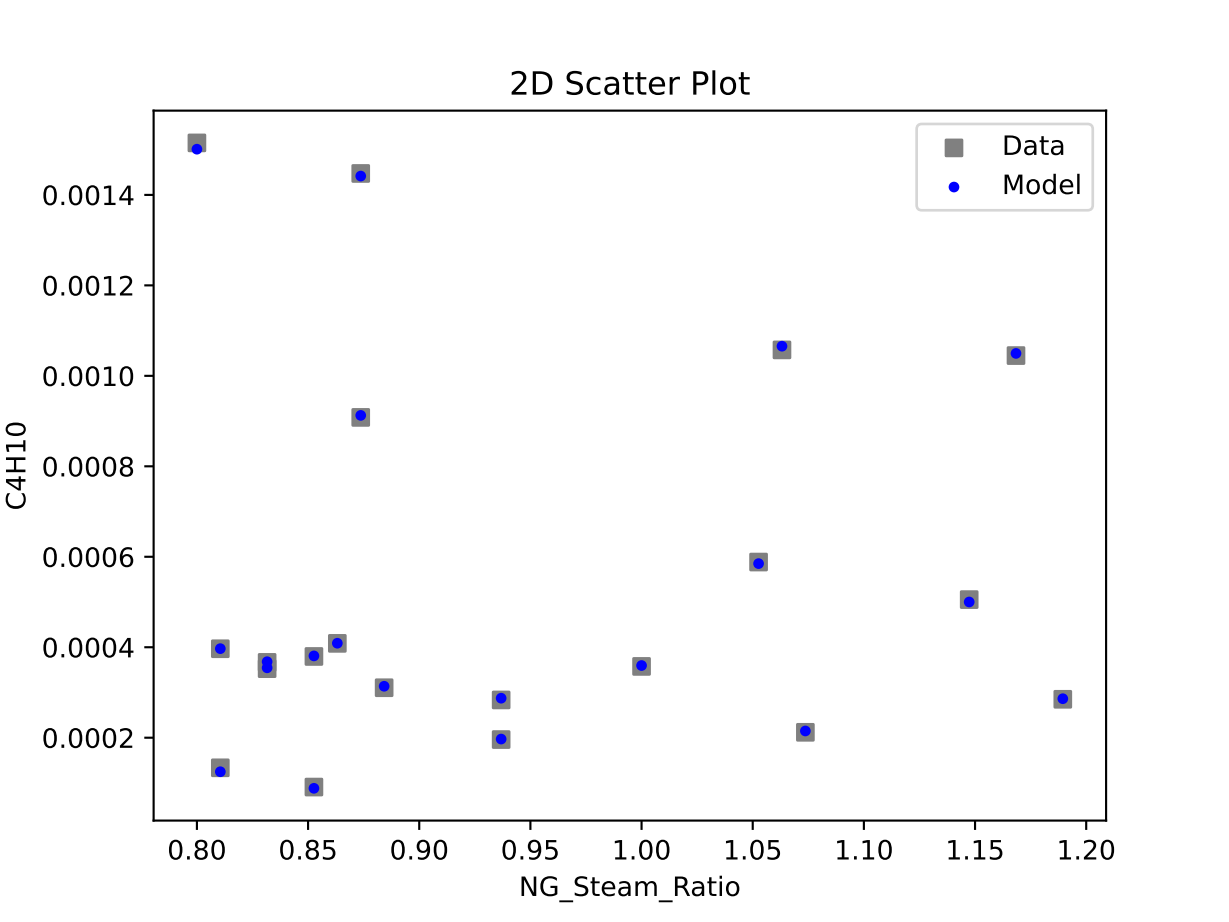
0.85
0.90
0.95
1.00
1.05
1.10
1.15
1.20
NG_Steam_Ratio


2D Scatter Plot
Data
Model
0.0014
0.0012
0.0010
0.0008
0.0006
0.0004
0.0002
C4H10
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
Bypass_Fraction


2D Scatter Plot
Data
Model
C4H10
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0.0012
0.0010
0.0008
0.0006
0.0004
0.0002
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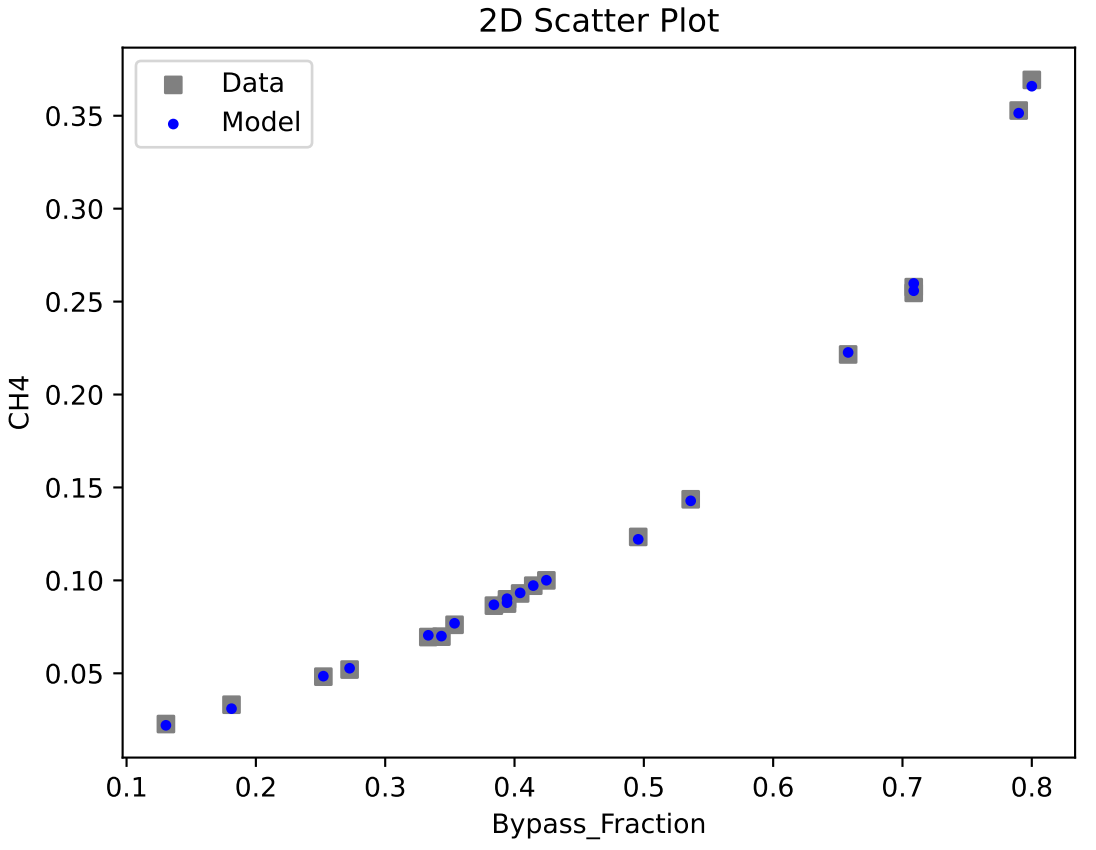
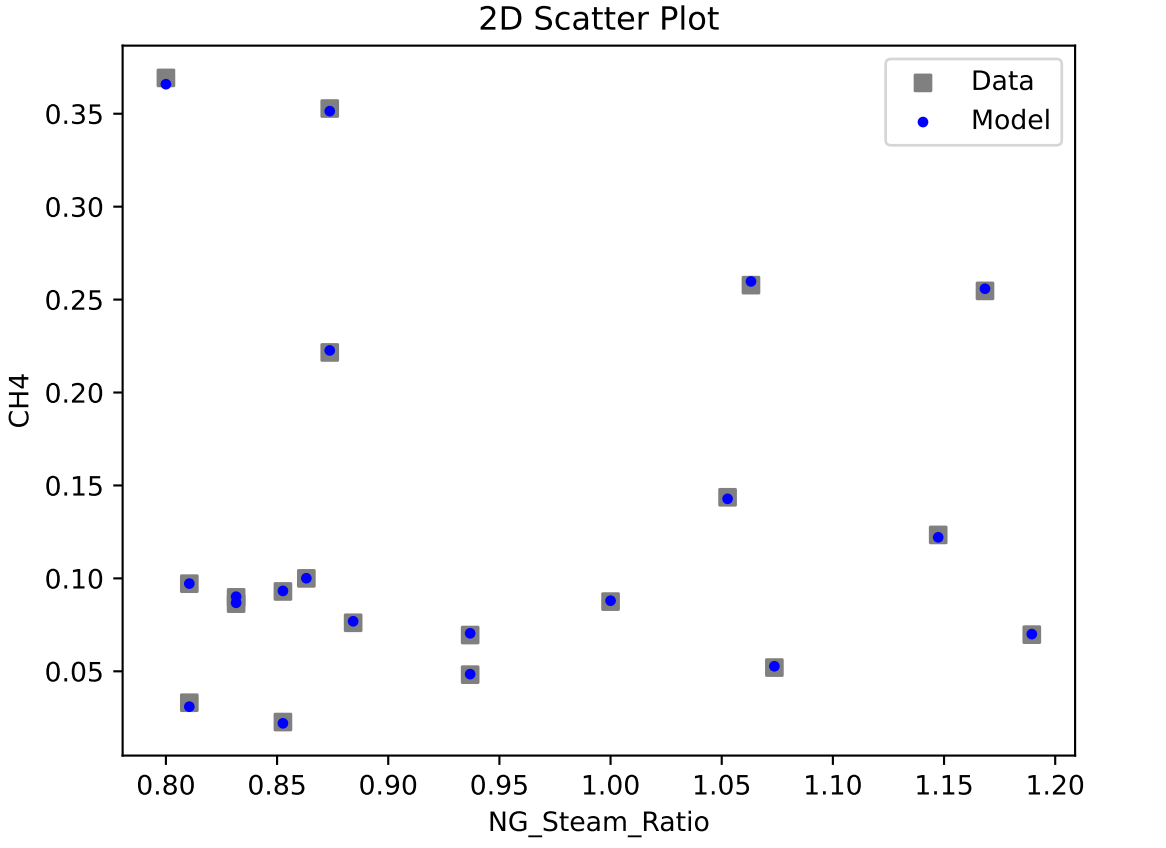
0.85
0.90
0.95
1.00
1.05
1.10
1.15
1.20
NG_Steam_Ratio


2D Scatter Plot
Data
Model
CH4
Bypass_Fraction
0.05
0.10
0.15
0.20
0.25
0.30
0.35
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8


2D Scatter Plot
Data
Model
CH4
NG_Steam_Ratio
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0.30
0.25
0.20
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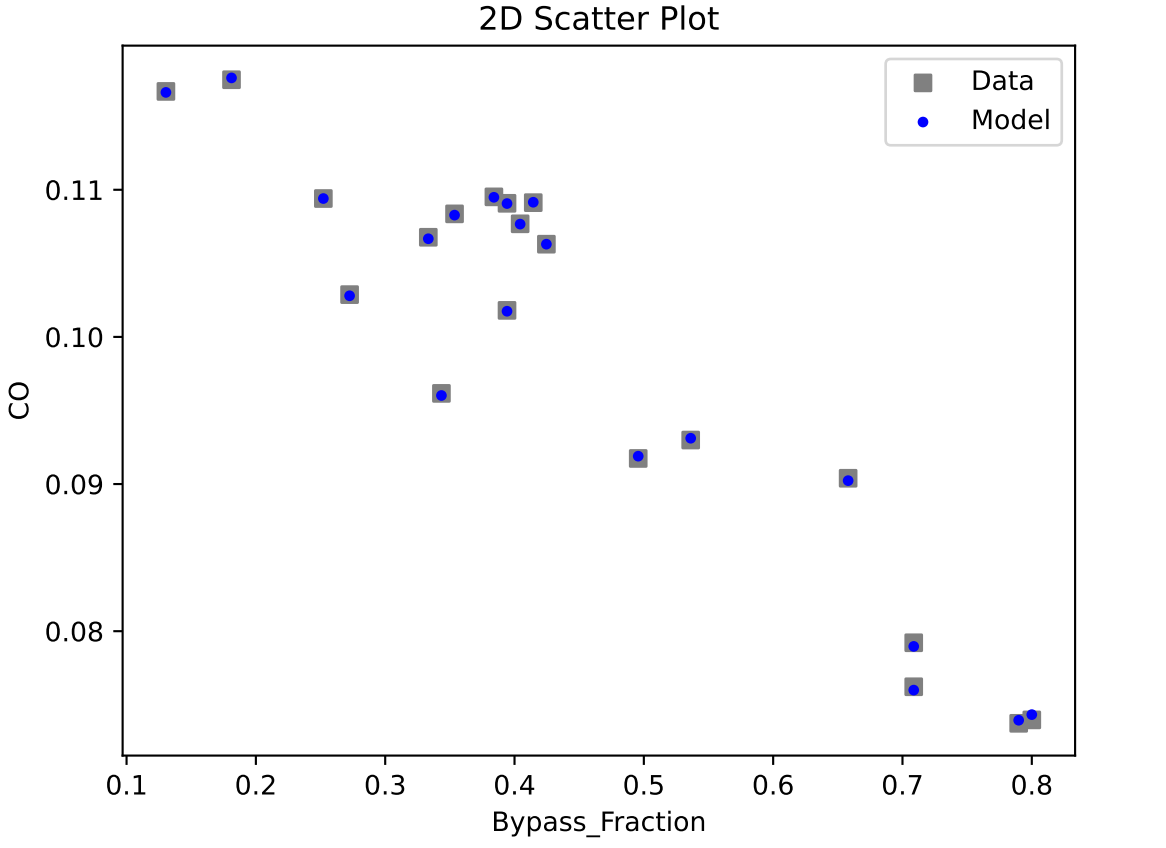
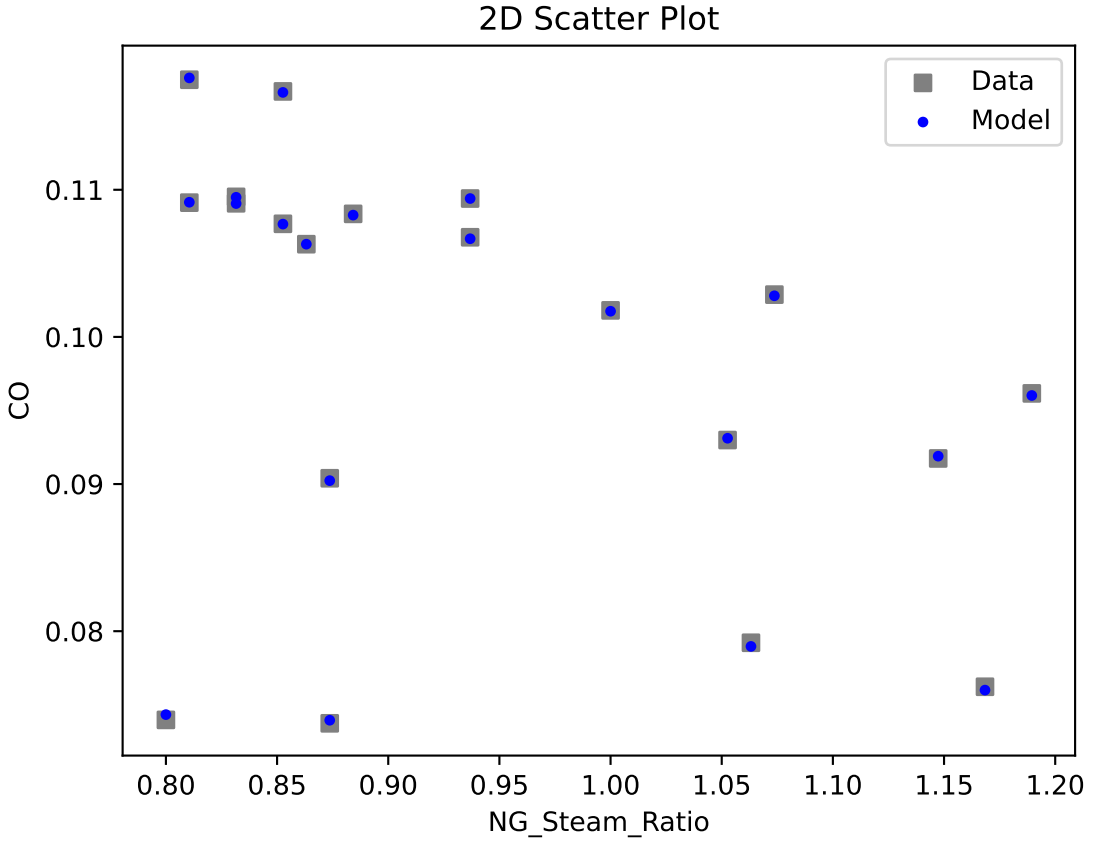
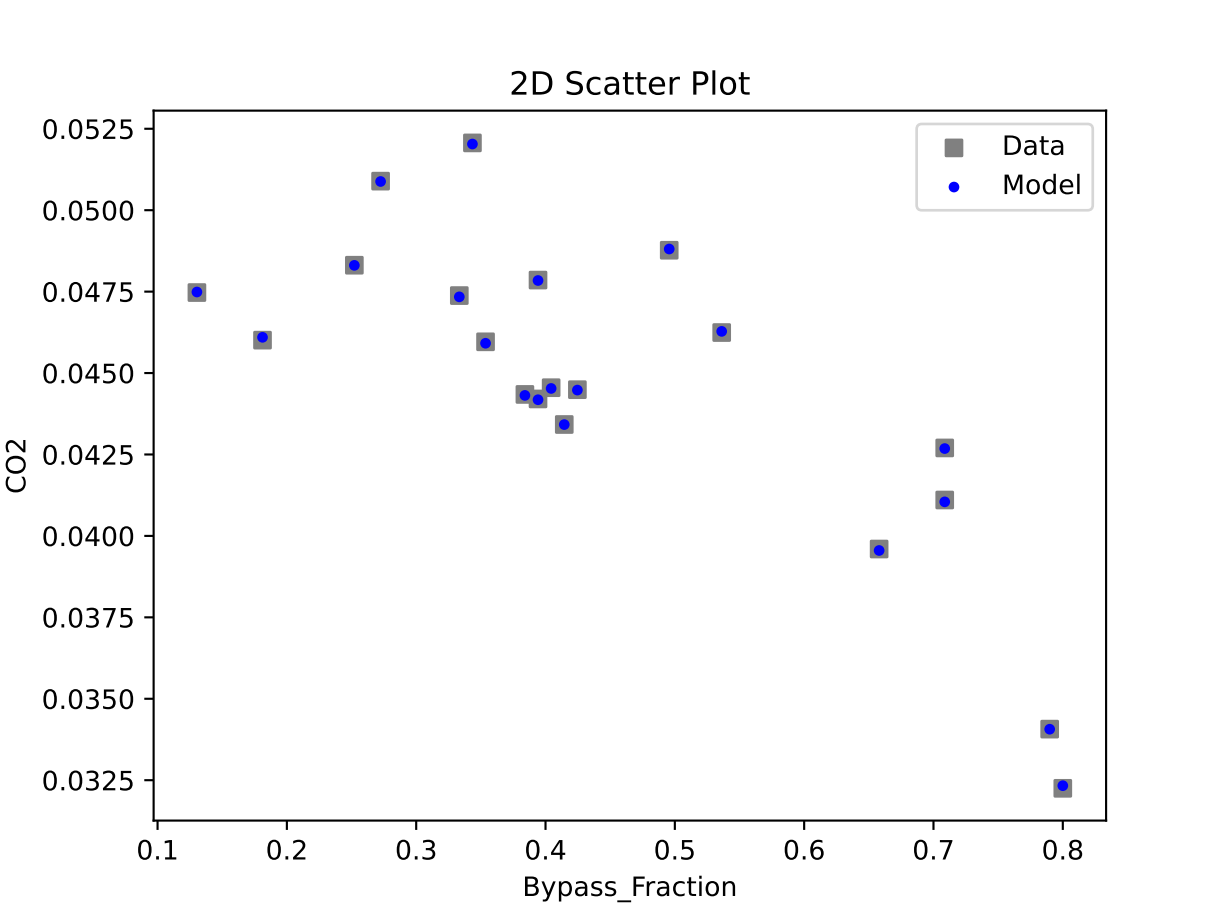
0.10
0.05
0.80
0.85
0.90
0.95
1.00
1.05
1.10
1.15
1.20


2D Scatter Plot
Data
Model
CO
0.11
0.10
0.09
0.08
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
Bypass_Fraction


2D Scatter Plot
Data
Model
CO
NG_Steam_Ratio
0.11
0.10
0.09
0.08
0.80
0.85
0.90
0.95
1.00
1.05
1.10
1.15
1.20


2D Scatter Plot
Data
Model
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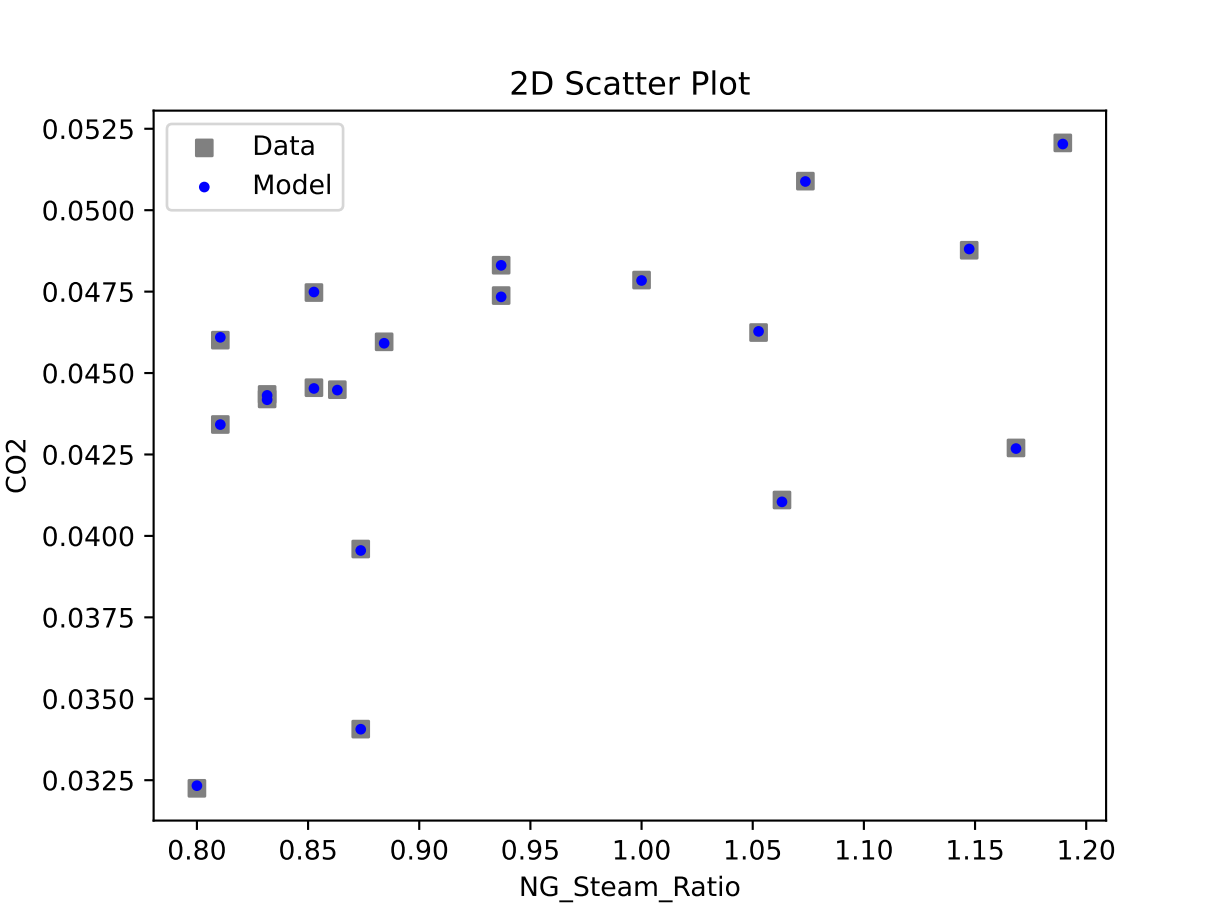
0.0500
0.0475
0.0450
0.0425
0.0400
0.0375
0.0350
0.0325
CO2
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
Bypass_Fraction


2D Scatter Plot
Data
Model
CO2
NG_Steam_Ratio
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0.0500
0.0475
0.0450
0.0425
0.0400
0.0375
0.0350
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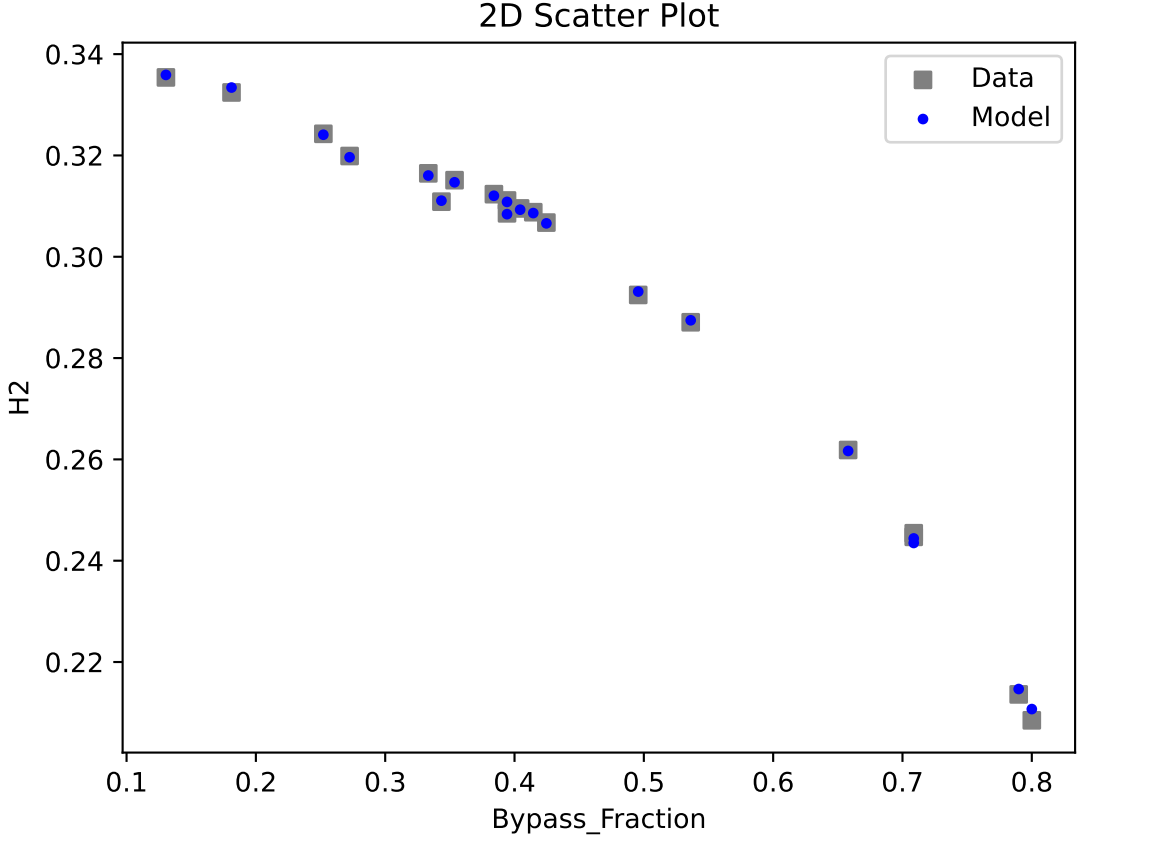
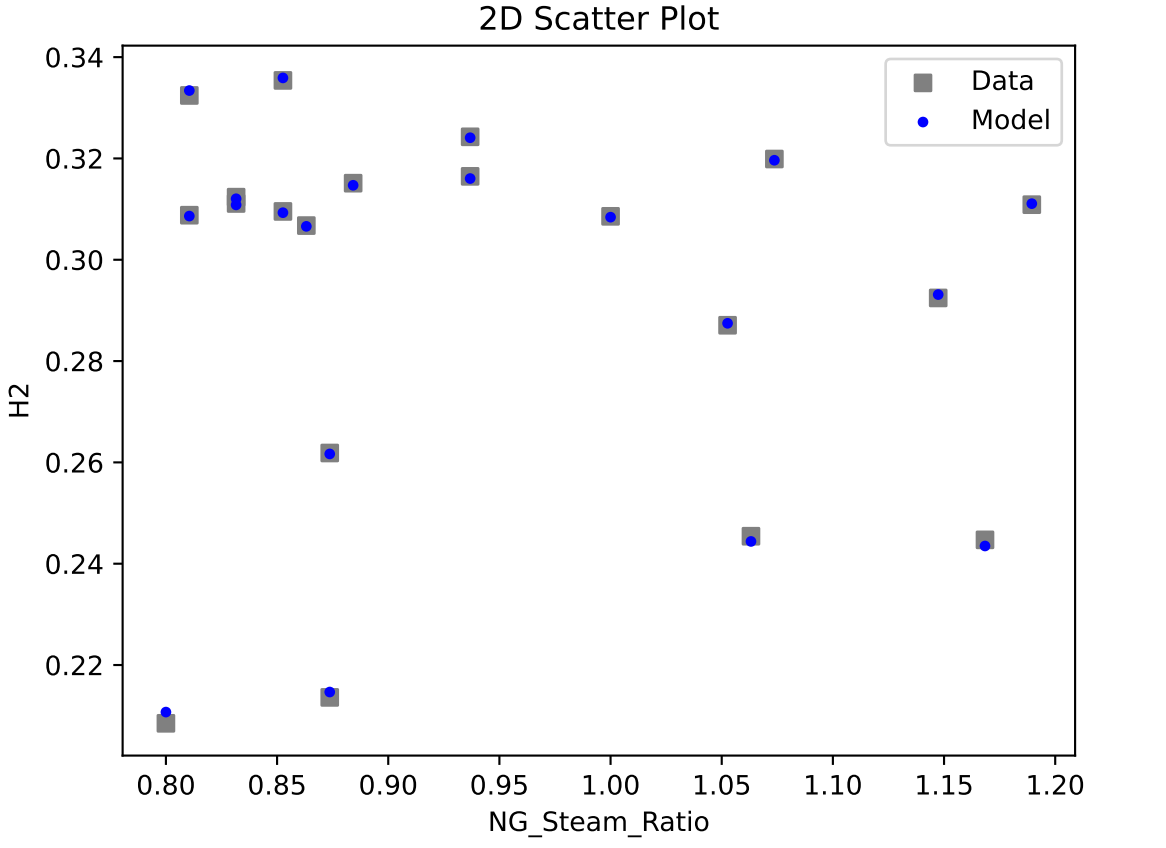
0.80
0.85
0.90
0.95
1.00
1.05
1.10
1.15
1.20


2D Scatter Plot
Data
Model
H2
Bypass_Fraction
0.34
0.32
0.30
0.28
0.26
0.24
0.22
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8


2D Scatter Plot
Data
Model
H2
NG_Steam_Ratio
0.34
0.32
0.30
0.28
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0.80
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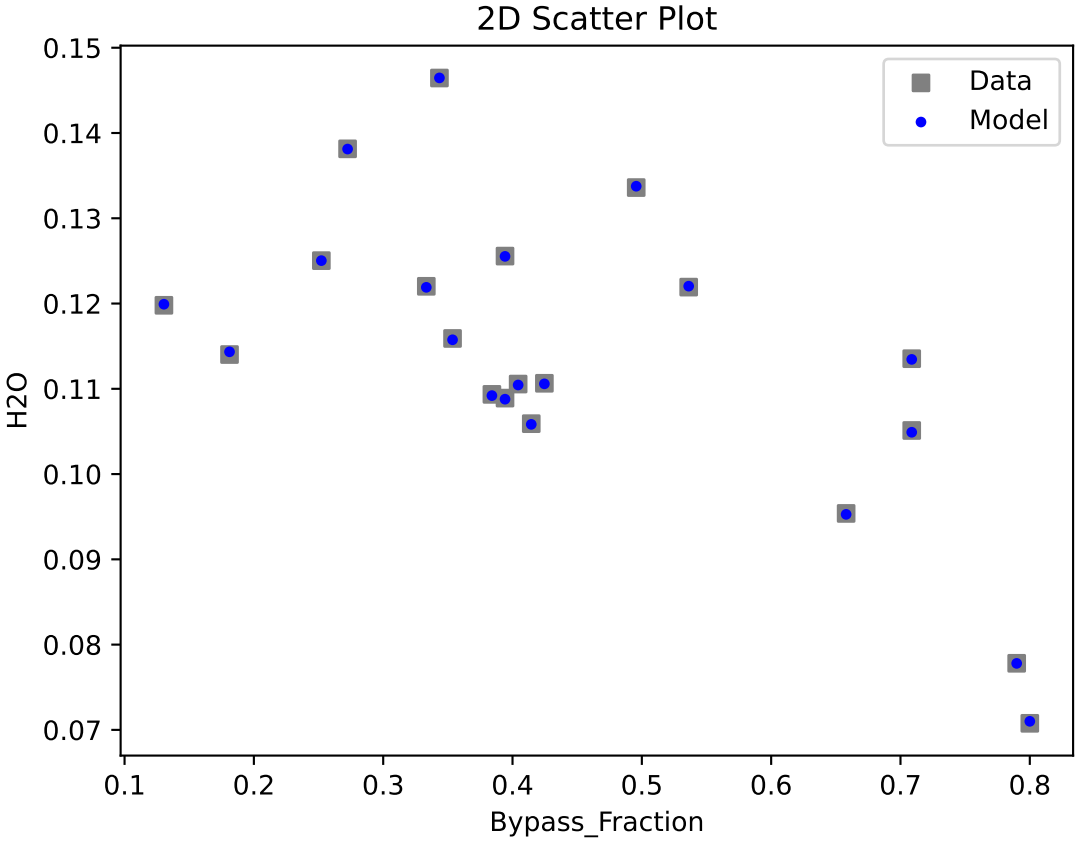
1.00
1.05
1.10
1.15
1.20


2D Scatter Plot
Data
Model
H2O
Bypass_Fraction
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0.13
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0.11
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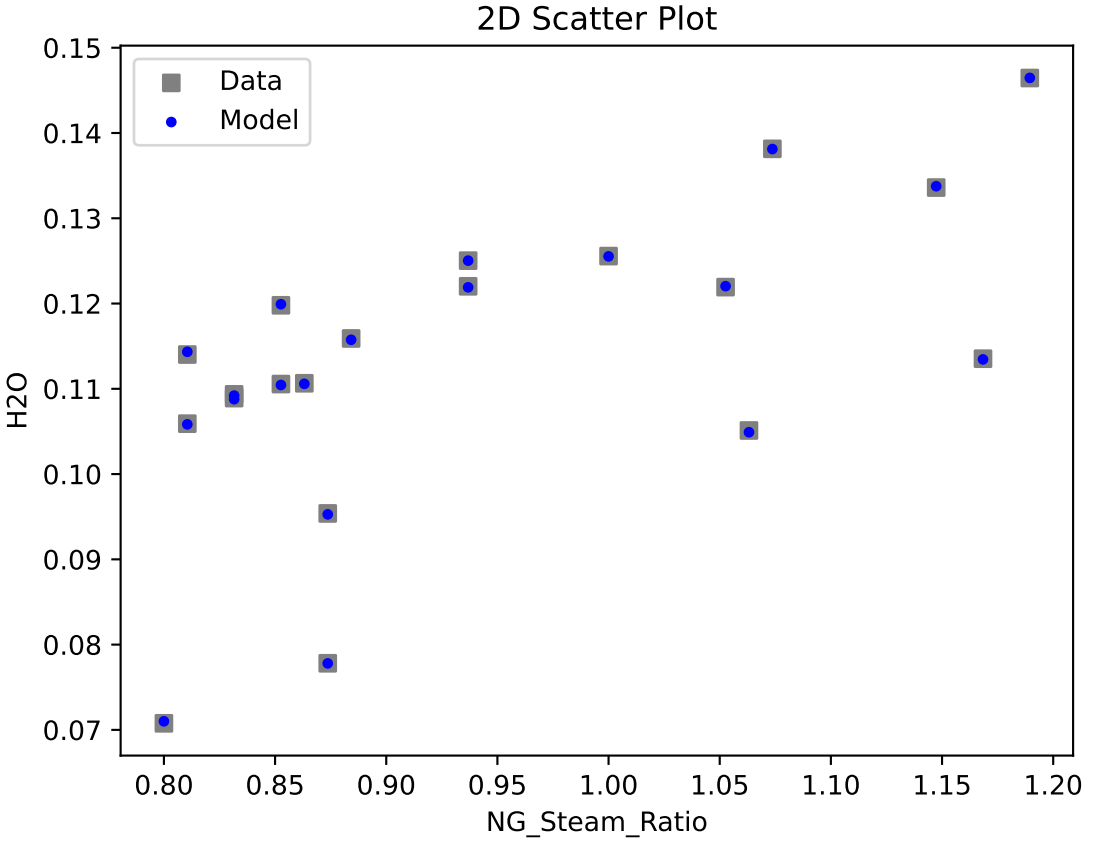
2D Scatter Plot
Data
Model
H2O
NG_Steam_Ratio
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0.14
0.13
0.12
0.11
0.10
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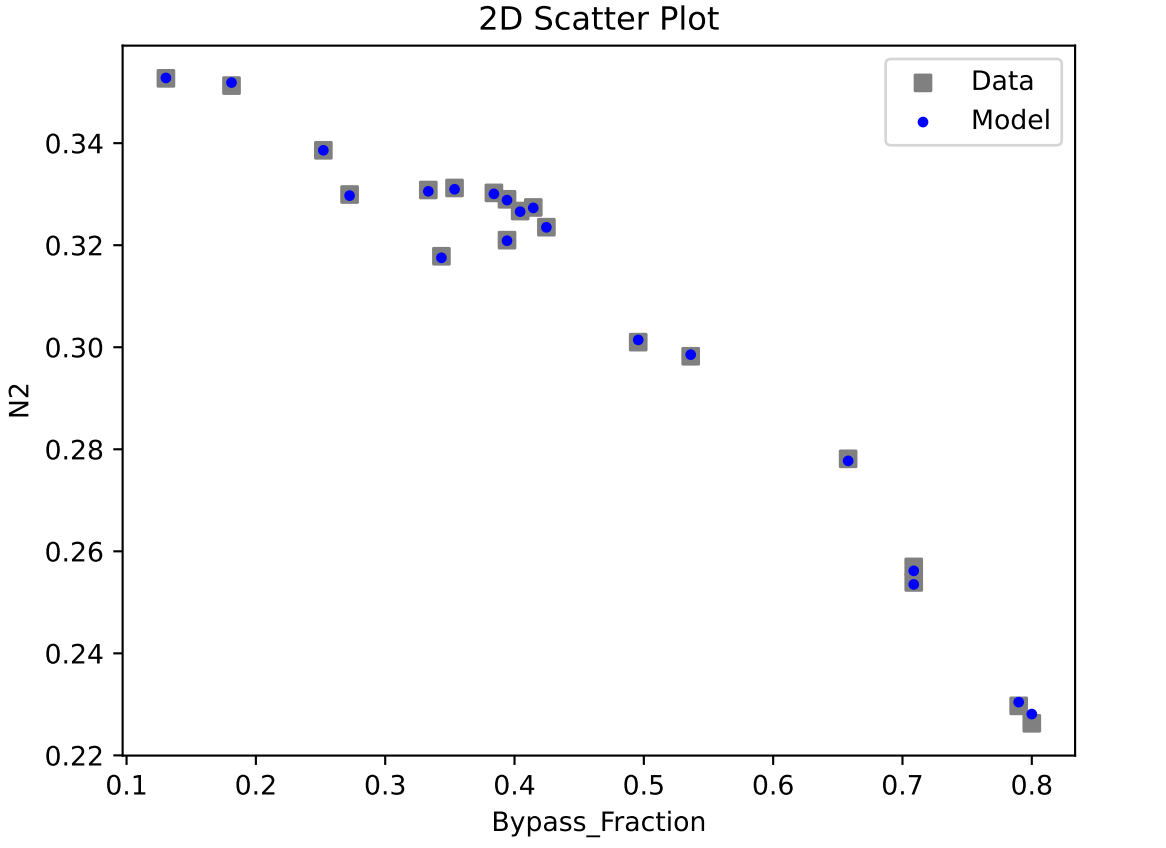
2D Scatter Plot
Data
Model
N2
Bypass_Fraction
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0.30
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0.2
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0.4
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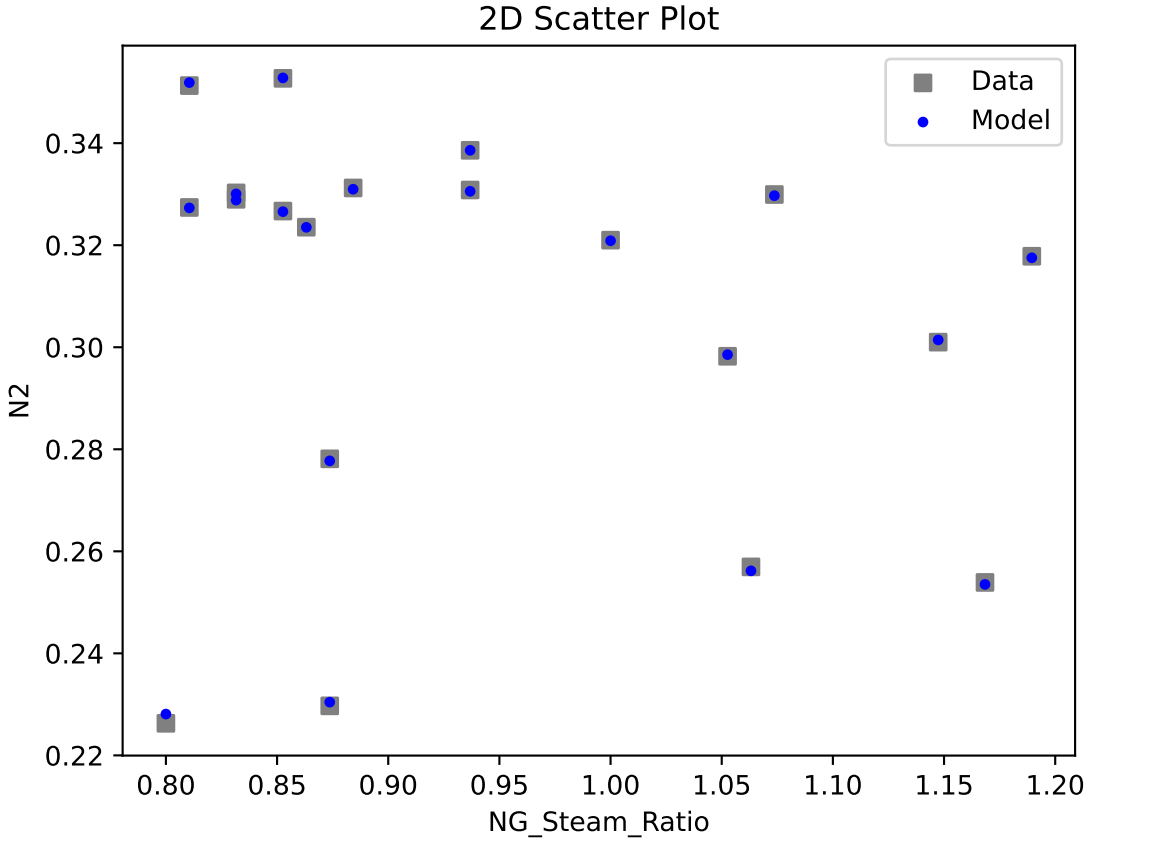
0.8


2D Scatter Plot
Data
Model
N2
NG_Steam_Ratio
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1.00
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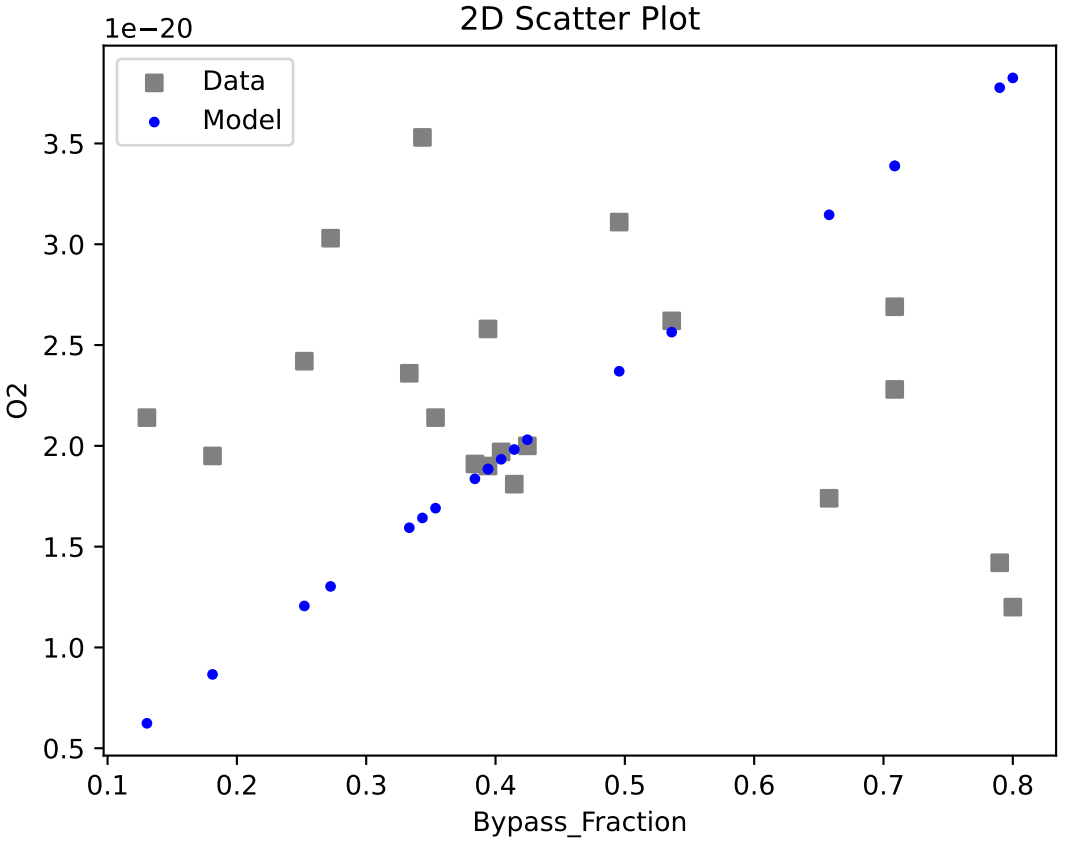
1.20


2D Scatter Plot
1e−20
Data
Model
O2
Bypass_Fraction
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1.0
1.5
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3.0
3.5
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0.2
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0.4
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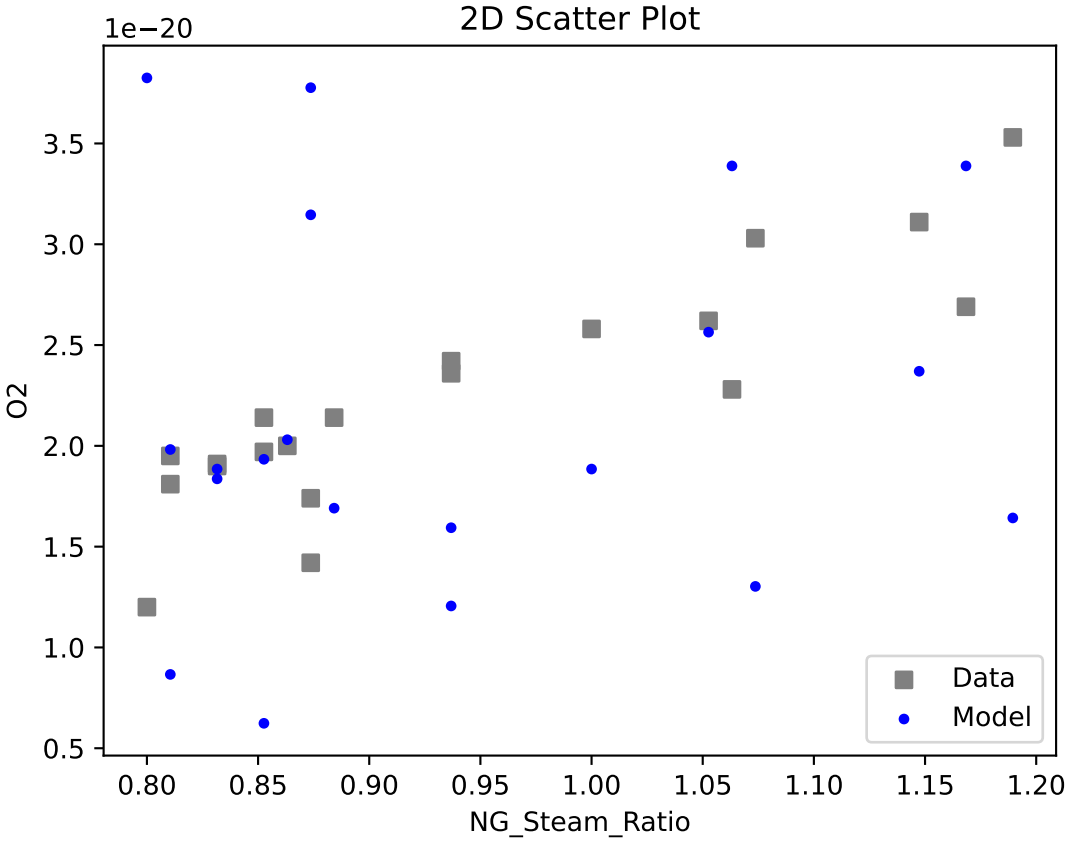
0.8


2D Scatter Plot
1e−20
O2
NG_Steam_Ratio
Data
Model
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1.0
1.5
2.0
2.5
3.0
3.5
0.80
0.85
0.90
0.95
1.00
1.05
1.10
1.15
1.20