



APPENDIX 3: MULTIPLE REGRESSION ANALYSIS RESULTS



MAXIMUM TEMPERATURES

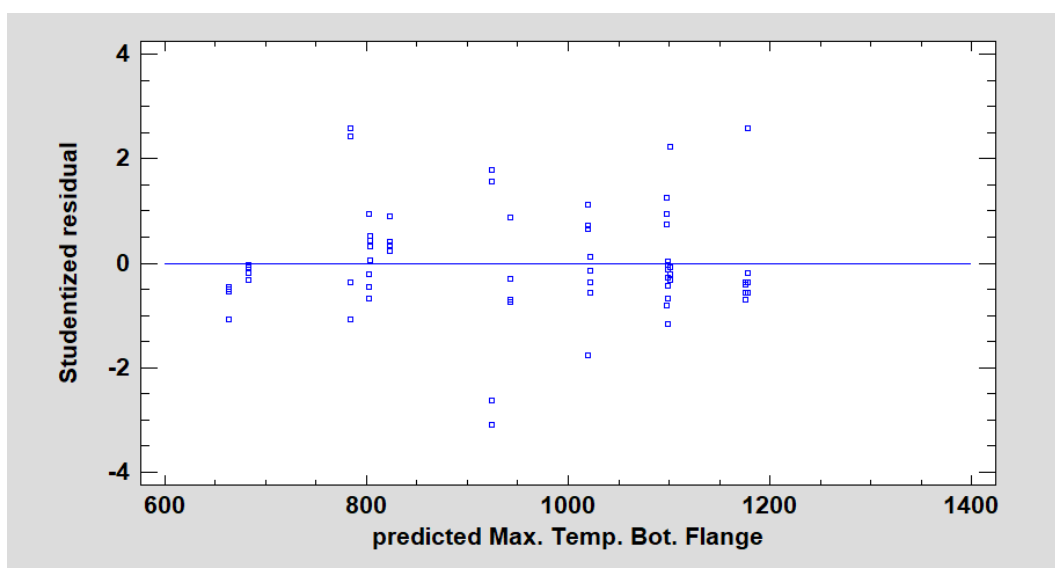
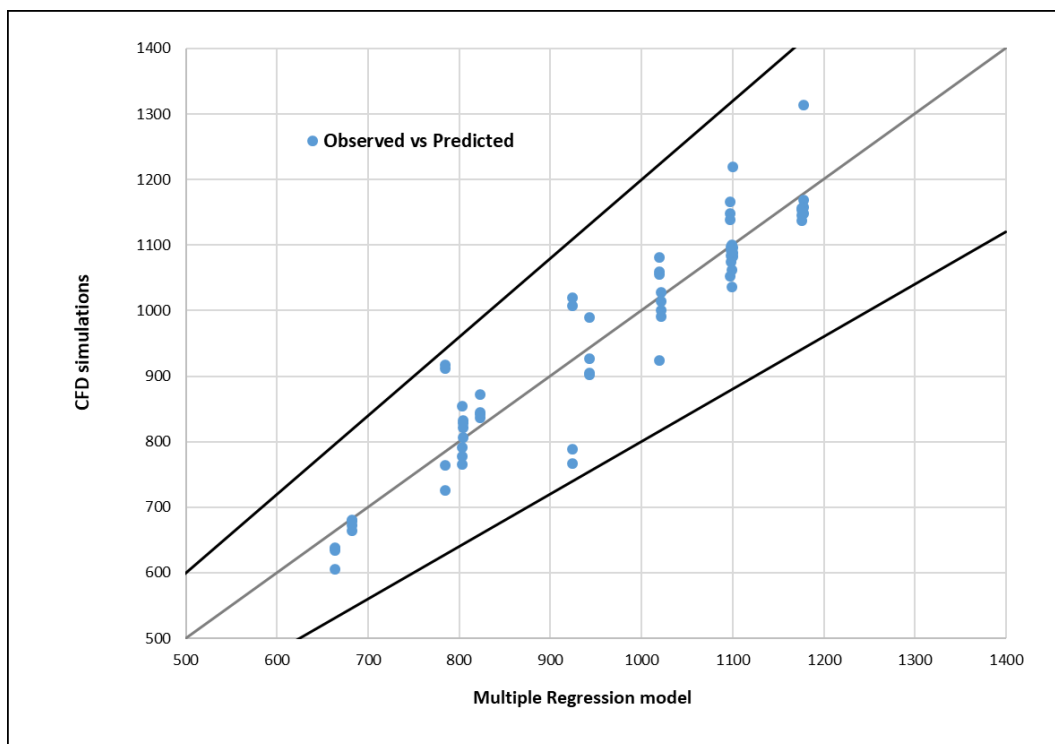
ALL MODELS

BOTTOM FLANGE

Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
1	1	0	23.4 m	24 m	5 m	2400 kW/m2	1158.0 °C	1178.3 °C
2	1	0	23.4 m	24 m	5 m	1800 kW/m2	1088.4 °C	1100.6 °C
3	0	0	23.4 m	24 m	5 m	2400 kW/m2	1137.6 °C	1176.2 °C
4	0	0	23.4 m	24 m	5 m	1800 kW/m2	1083.3 °C	1098.4 °C
5	1	0	23.4 m	24 m	9 m	2400 kW/m2	926.8 °C	942.9 °C
6	1	0	23.4 m	24 m	9 m	1800 kW/m2	778.3 °C	802.9 °C
7	0	0	23.4 m	24 m	9 m	2400 kW/m2	836.0 °C	822.7 °C
8	0	0	23.4 m	24 m	9 m	1800 kW/m2	664.8 °C	682.7 °C
9	1	0	23.4 m	16 m	5 m	2400 kW/m2	1147.7 °C	1178.3 °C
10	1	0	23.4 m	16 m	5 m	1800 kW/m2	1082.9 °C	1100.6 °C
11	0	0	23.4 m	16 m	5 m	2400 kW/m2	1145.3 °C	1176.2 °C
12	0	0	23.4 m	16 m	5 m	1800 kW/m2	1074.5 °C	1098.4 °C
13	1	0	23.4 m	16 m	9 m	2400 kW/m2	902.5 °C	942.9 °C
14	1	0	23.4 m	16 m	9 m	1800 kW/m2	765.6 °C	802.9 °C
15	0	0	23.4 m	16 m	9 m	2400 kW/m2	841.6 °C	822.7 °C
16	0	0	23.4 m	16 m	9 m	1800 kW/m2	680.5 °C	682.7 °C
17	1	0	13.0 m	24 m	5 m	2400 kW/m2	1168.4 °C	1178.3 °C
18	1	0	13.0 m	24 m	5 m	1800 kW/m2	1096.2 °C	1100.6 °C
19	0	0	13.0 m	24 m	5 m	2400 kW/m2	1153.2 °C	1176.2 °C
20	0	0	13.0 m	24 m	5 m	1800 kW/m2	1097.1 °C	1098.4 °C
21	1	0	13.0 m	24 m	9 m	2400 kW/m2	904.9 °C	942.9 °C
22	1	0	13.0 m	24 m	9 m	1800 kW/m2	791.6 °C	802.9 °C
23	0	0	13.0 m	24 m	9 m	2400 kW/m2	844.6 °C	822.7 °C
24	0	0	13.0 m	24 m	9 m	1800 kW/m2	672.3 °C	682.7 °C
25	1	0	13.0 m	16 m	5 m	2400 kW/m2	1313.9 °C	1178.3 °C
26	1	0	13.0 m	16 m	5 m	1800 kW/m2	1218.9 °C	1100.6 °C
27	0	0	13.0 m	16 m	5 m	2400 kW/m2	1156.6 °C	1176.2 °C
28	0	0	13.0 m	16 m	5 m	1800 kW/m2	1092.0 °C	1098.4 °C
29	1	0	13.0 m	16 m	9 m	2400 kW/m2	990.2 °C	942.9 °C
30	1	0	13.0 m	16 m	9 m	1800 kW/m2	854.7 °C	802.9 °C
31	0	0	13.0 m	16 m	9 m	2400 kW/m2	872.0 °C	822.7 °C
32	0	0	13.0 m	16 m	9 m	1800 kW/m2	678.6 °C	682.7 °C
33	1	1	23.4 m	24 m	5 m	2400 kW/m2	1035.9 °C	1099.2 °C



Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
34	1	1	23.4 m	24 m	5 m	1800 kW/m ²	1001.0 °C	1021.5 °C
35	0	1	23.4 m	24 m	5 m	2400 kW/m ²	1148.6 °C	1097.1 °C
36	0	1	23.4 m	24 m	5 m	1800 kW/m ²	1059.3 °C	1019.3 °C
37	1	1	23.4 m	24 m	9 m	2400 kW/m ²	1019.6 °C	924.2 °C
38	1	1	23.4 m	24 m	9 m	1800 kW/m ²	911.0 °C	784.2 °C
39	0	1	23.4 m	24 m	9 m	2400 kW/m ²	828.1 °C	804.0 °C
40	0	1	23.4 m	24 m	9 m	1800 kW/m ²	636.8 °C	664.0 °C
41	1	1	23.4 m	16 m	5 m	2400 kW/m ²	1061.5 °C	1099.2 °C
42	1	1	23.4 m	16 m	5 m	1800 kW/m ²	990.5 °C	1021.5 °C
43	0	1	23.4 m	16 m	5 m	2400 kW/m ²	1052.4 °C	1097.1 °C
44	0	1	23.4 m	16 m	5 m	1800 kW/m ²	924.6 °C	1019.3 °C
45	1	1	23.4 m	16 m	9 m	2400 kW/m ²	1007.8 °C	924.2 °C
46	1	1	23.4 m	16 m	9 m	1800 kW/m ²	917.8 °C	784.2 °C
47	0	1	23.4 m	16 m	9 m	2400 kW/m ²	806.4 °C	804.0 °C
48	0	1	23.4 m	16 m	9 m	1800 kW/m ²	605.5 °C	664.0 °C
49	1	1	13.0 m	24 m	5 m	2400 kW/m ²	1100.9 °C	1099.2 °C
50	1	1	13.0 m	24 m	5 m	1800 kW/m ²	1028.0 °C	1021.5 °C
51	0	1	13.0 m	24 m	5 m	2400 kW/m ²	1165.5 °C	1097.1 °C
52	0	1	13.0 m	24 m	5 m	1800 kW/m ²	1080.8 °C	1019.3 °C
53	1	1	13.0 m	24 m	9 m	2400 kW/m ²	788.7 °C	924.2 °C
54	1	1	13.0 m	24 m	9 m	1800 kW/m ²	725.7 °C	784.2 °C
55	0	1	13.0 m	24 m	9 m	2400 kW/m ²	821.0 °C	804.0 °C
56	0	1	13.0 m	24 m	9 m	1800 kW/m ²	638.5 °C	664.0 °C
57	1	1	13.0 m	16 m	5 m	2400 kW/m ²	1092.5 °C	1099.2 °C
58	1	1	13.0 m	16 m	5 m	1800 kW/m ²	1013.8 °C	1021.5 °C
59	0	1	13.0 m	16 m	5 m	2400 kW/m ²	1138.2 °C	1097.1 °C
60	0	1	13.0 m	16 m	5 m	1800 kW/m ²	1054.8 °C	1019.3 °C
61	1	1	13.0 m	16 m	9 m	2400 kW/m ²	767.0 °C	924.2 °C
62	1	1	13.0 m	16 m	9 m	1800 kW/m ²	764.5 °C	784.2 °C
63	0	1	13.0 m	16 m	9 m	2400 kW/m ²	832.7 °C	804.0 °C
64	0	1	13.0 m	16 m	9 m	1800 kW/m ²	633.9 °C	664.0 °C



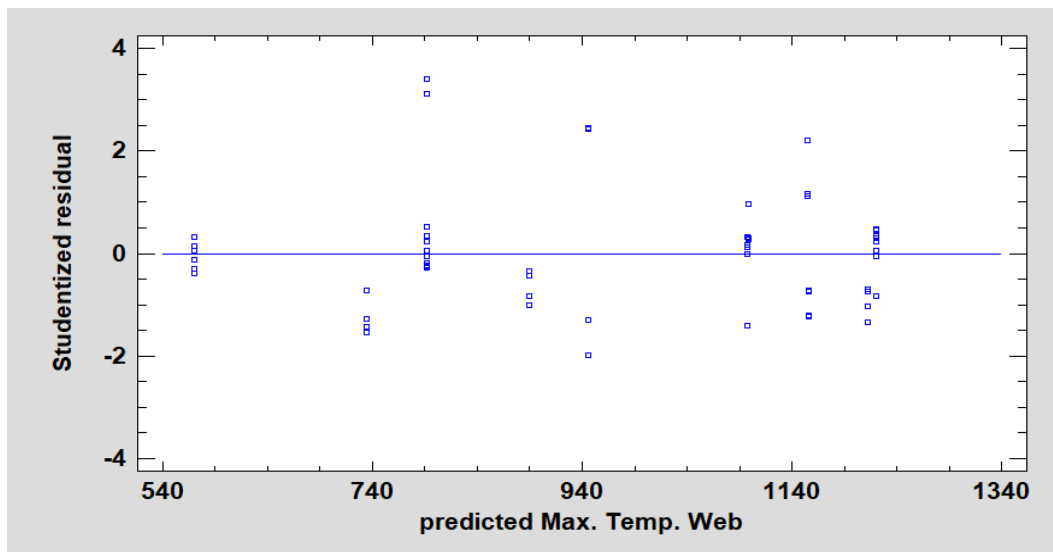
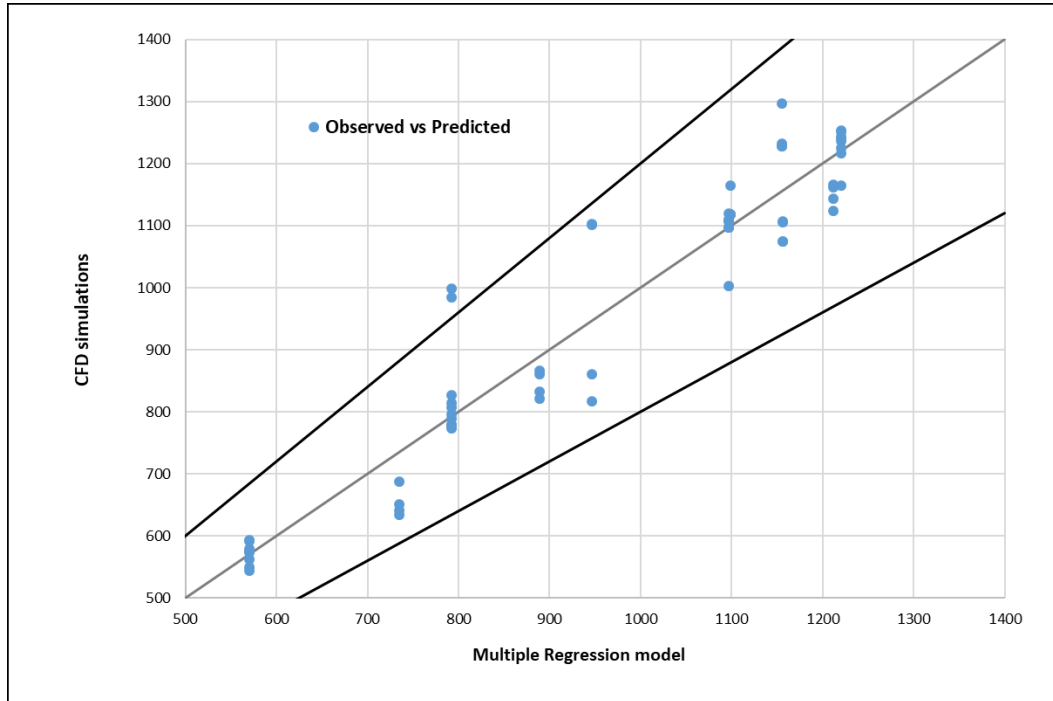
Model	Observed	Predicted	Residual	Studentized Res.
25	1313.9 °C	1178.4 °C	135.5 °C	2.59
26	1218.9 °C	1100.6 °C	118.3 °C	2.23
38	911.0 °C	784.2 °C	126.8 °C	2.43
46	917.8 °C	784.2 °C	133.6 °C	2.58
53	788.7 °C	924.2 °C	-135.5 °C	-2.62
61	767.0 °C	924.2 °C	-157.2 °C	-3.1

WEB

Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
1	1	0	23.4 m	24 m	5 m	2400 kW/m2	1228.0 °C	1154.8 °C
2	1	0	23.4 m	24 m	5 m	1800 kW/m2	1118.8 °C	1099.0 °C
3	0	0	23.4 m	24 m	5 m	2400 kW/m2	1216.9 °C	1220.5 °C
4	0	0	23.4 m	24 m	5 m	1800 kW/m2	1096.4 °C	1097.3 °C
5	1	0	23.4 m	24 m	9 m	2400 kW/m2	860.5 °C	889.2 °C
6	1	0	23.4 m	24 m	9 m	1800 kW/m2	650.6 °C	734.8 °C
7	0	0	23.4 m	24 m	9 m	2400 kW/m2	779.1 °C	792.0 °C
8	0	0	23.4 m	24 m	9 m	1800 kW/m2	574.0 °C	570.3 °C
9	1	0	23.4 m	16 m	5 m	2400 kW/m2	1228.2 °C	1154.8 °C
10	1	0	23.4 m	16 m	5 m	1800 kW/m2	1118.4 °C	1099.0 °C
11	0	0	23.4 m	16 m	5 m	2400 kW/m2	1224.8 °C	1220.5 °C
12	0	0	23.4 m	16 m	5 m	1800 kW/m2	1097.2 °C	1097.3 °C
13	1	0	23.4 m	16 m	9 m	2400 kW/m2	833.1 °C	889.2 °C
14	1	0	23.4 m	16 m	9 m	1800 kW/m2	634.2 °C	734.8 °C
15	0	0	23.4 m	16 m	9 m	2400 kW/m2	788.4 °C	792.0 °C
16	0	0	23.4 m	16 m	9 m	1800 kW/m2	592.4 °C	570.3 °C
17	1	0	13.0 m	24 m	5 m	2400 kW/m2	1232.1 °C	1154.8 °C
18	1	0	13.0 m	24 m	5 m	1800 kW/m2	1118.0 °C	1099.0 °C
19	0	0	13.0 m	24 m	5 m	2400 kW/m2	1240.3 °C	1220.5 °C
20	0	0	13.0 m	24 m	5 m	1800 kW/m2	1119.8 °C	1097.3 °C
21	1	0	13.0 m	24 m	9 m	2400 kW/m2	821.8 °C	889.2 °C
22	1	0	13.0 m	24 m	9 m	1800 kW/m2	641.1 °C	734.8 °C
23	0	0	13.0 m	24 m	9 m	2400 kW/m2	795.3 °C	792.0 °C
24	0	0	13.0 m	24 m	9 m	1800 kW/m2	579.5 °C	570.3 °C
25	1	0	13.0 m	16 m	5 m	2400 kW/m2	1296.3 °C	1154.8 °C
26	1	0	13.0 m	16 m	5 m	1800 kW/m2	1164.9 °C	1099.0 °C
27	0	0	13.0 m	16 m	5 m	2400 kW/m2	1236.8 °C	1220.5 °C
28	0	0	13.0 m	16 m	5 m	1800 kW/m2	1109.6 °C	1097.3 °C
29	1	0	13.0 m	16 m	9 m	2400 kW/m2	866.2 °C	889.2 °C
30	1	0	13.0 m	16 m	9 m	1800 kW/m2	687.1 °C	734.8 °C
31	0	0	13.0 m	16 m	9 m	2400 kW/m2	814.7 °C	792.0 °C
32	0	0	13.0 m	16 m	9 m	1800 kW/m2	592.8 °C	570.3 °C
33	1	1	23.4 m	24 m	5 m	2400 kW/m2	1123.1 °C	1212.0 °C
34	1	1	23.4 m	24 m	5 m	1800 kW/m2	1074.9 °C	1156.1 °C
35	0	1	23.4 m	24 m	5 m	2400 kW/m2	1243.3 °C	1220.5 °C
36	0	1	23.4 m	24 m	5 m	1800 kW/m2	1096.8 °C	1097.3 °C
37	1	1	23.4 m	24 m	9 m	2400 kW/m2	1103.3 °C	946.3 °C



Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
38	1	1	23.4 m	24 m	9 m	1800 kW/m ²	984.1 °C	791.9 °C
39	0	1	23.4 m	24 m	9 m	2400 kW/m ²	779.5 °C	792.0 °C
40	0	1	23.4 m	24 m	9 m	1800 kW/m ²	550.4 °C	570.3 °C
41	1	1	23.4 m	16 m	5 m	2400 kW/m ²	1143.9 °C	1212.0 °C
42	1	1	23.4 m	16 m	5 m	1800 kW/m ²	1073.9 °C	1156.1 °C
43	0	1	23.4 m	16 m	5 m	2400 kW/m ²	1164.3 °C	1220.5 °C
44	0	1	23.4 m	16 m	5 m	1800 kW/m ²	1002.2 °C	1097.3 °C
45	1	1	23.4 m	16 m	9 m	2400 kW/m ²	1101.9 °C	946.3 °C
46	1	1	23.4 m	16 m	9 m	1800 kW/m ²	998.3 °C	791.9 °C
47	0	1	23.4 m	16 m	9 m	2400 kW/m ²	775.2 °C	792.0 °C
48	0	1	23.4 m	16 m	9 m	1800 kW/m ²	544.7 °C	570.3 °C
49	1	1	13.0 m	24 m	5 m	2400 kW/m ²	1162.2 °C	1212.0 °C
50	1	1	13.0 m	24 m	5 m	1800 kW/m ²	1106.6 °C	1156.1 °C
51	0	1	13.0 m	24 m	5 m	2400 kW/m ²	1251.5 °C	1220.5 °C
52	0	1	13.0 m	24 m	5 m	1800 kW/m ²	1106.5 °C	1097.3 °C
53	1	1	13.0 m	24 m	9 m	2400 kW/m ²	860.8 °C	946.3 °C
54	1	1	13.0 m	24 m	9 m	1800 kW/m ²	777.0 °C	791.9 °C
55	0	1	13.0 m	24 m	9 m	2400 kW/m ²	773.3 °C	792.0 °C
56	0	1	13.0 m	24 m	9 m	1800 kW/m ²	562.2 °C	570.3 °C
57	1	1	13.0 m	16 m	5 m	2400 kW/m ²	1165.8 °C	1212.0 °C
58	1	1	13.0 m	16 m	5 m	1800 kW/m ²	1105.8 °C	1156.1 °C
59	0	1	13.0 m	16 m	5 m	2400 kW/m ²	1253.6 °C	1220.5 °C
60	0	1	13.0 m	16 m	5 m	1800 kW/m ²	1108.6 °C	1097.3 °C
61	1	1	13.0 m	16 m	9 m	2400 kW/m ²	817.1 °C	946.3 °C
62	1	1	13.0 m	16 m	9 m	1800 kW/m ²	826.4 °C	791.9 °C
63	0	1	13.0 m	16 m	9 m	2400 kW/m ²	807.3 °C	792.0 °C
64	0	1	13.0 m	16 m	9 m	1800 kW/m ²	574.8 °C	570.3 °C

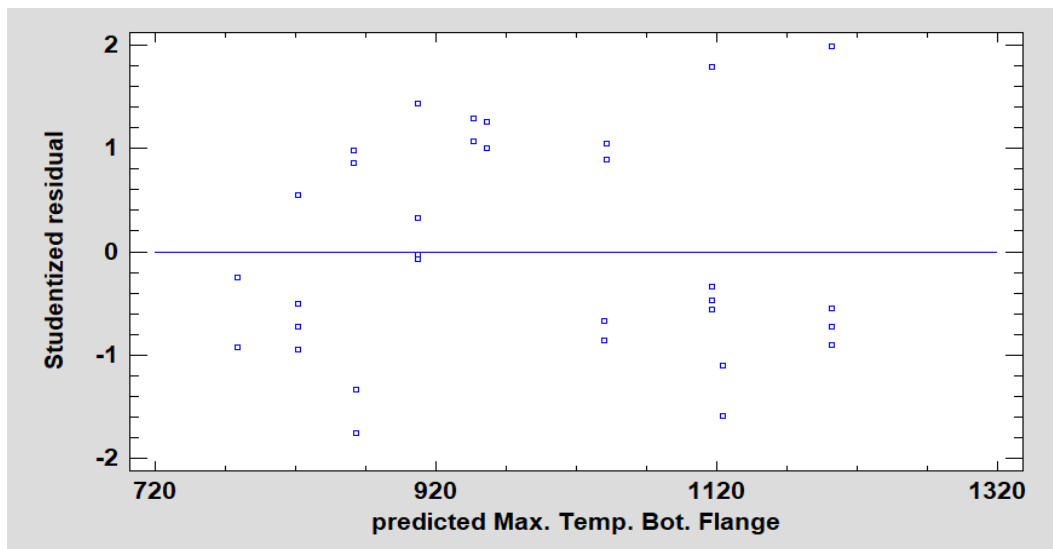
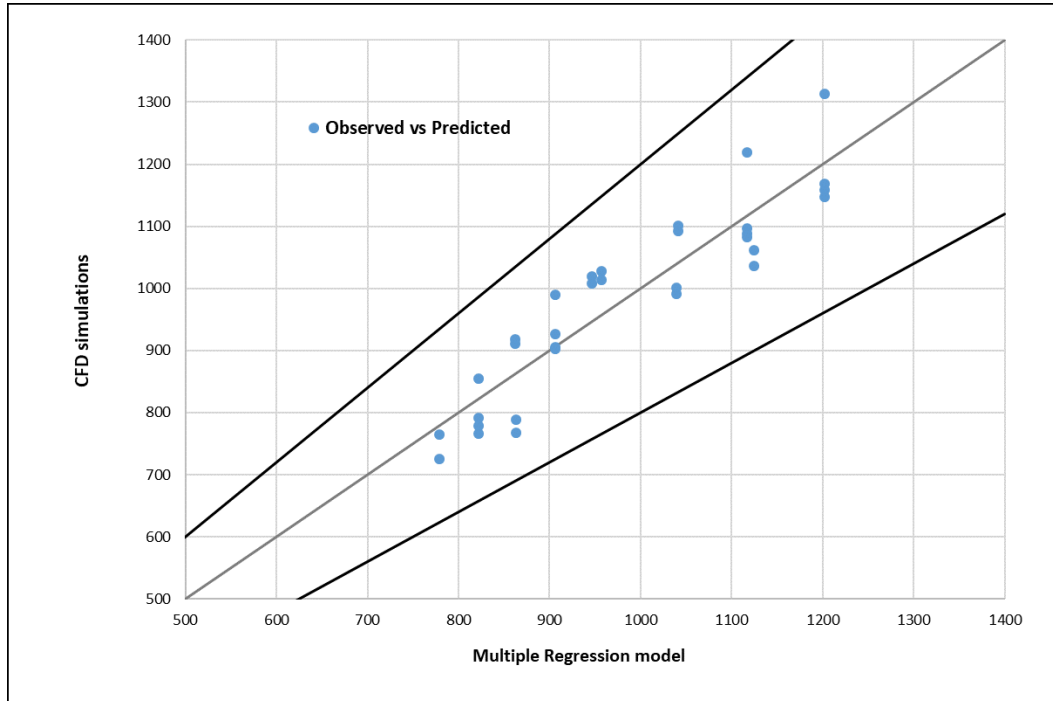


Model	Observed	Predicted	Residual	Studentized Res.
25	1296.3 °C	1154.8 °C	141.4 °C	2.21
37	1103.3 °C	946.3 °C	157.0 °C	2.45
38	984.1 °C	791.9 °C	192.2 °C	3.13
45	1101.9 °C	946.3 °C	155.6 °C	2.43
46	998.3 °C	791.9 °C	206.3 °C	3.4

FIRE ADJACENT TO ABUTMENT/PIERS

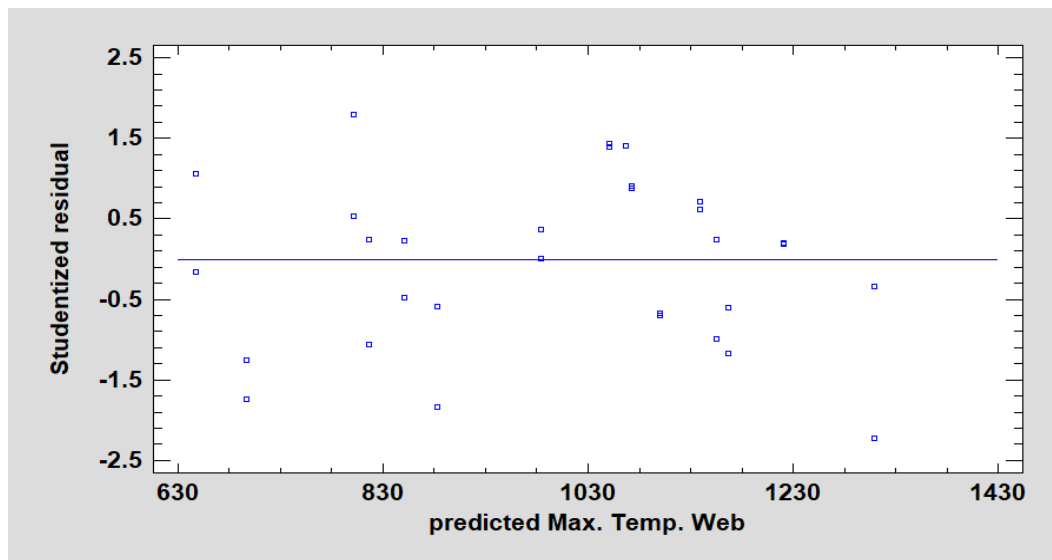
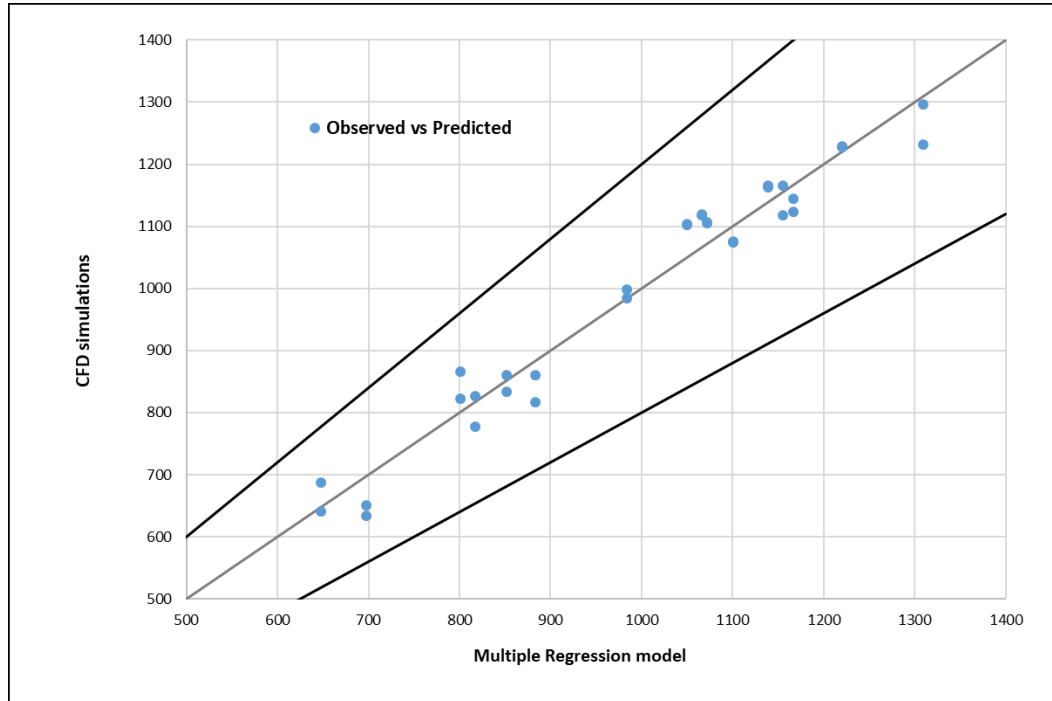
BOTTOM FLANGE

Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
1	1	0	23.4 m	24 m	5 m	2400 kW/m ²	1158.0 °C	1201.7 °C
2	1	0	23.4 m	24 m	5 m	1800 kW/m ²	1088.4 °C	1116.9 °C
5	1	0	23.4 m	24 m	9 m	2400 kW/m ²	926.8 °C	906.8 °C
6	1	0	23.4 m	24 m	9 m	1800 kW/m ²	778.3 °C	821.9 °C
9	1	0	23.4 m	16 m	5 m	2400 kW/m ²	1147.7 °C	1201.7 °C
10	1	0	23.4 m	16 m	5 m	1800 kW/m ²	1082.9 °C	1116.9 °C
13	1	0	23.4 m	16 m	9 m	2400 kW/m ²	902.5 °C	906.8 °C
14	1	0	23.4 m	16 m	9 m	1800 kW/m ²	765.6 °C	821.9 °C
17	1	0	13.0 m	24 m	5 m	2400 kW/m ²	1168.4 °C	1201.7 °C
18	1	0	13.0 m	24 m	5 m	1800 kW/m ²	1096.2 °C	1116.9 °C
21	1	0	13.0 m	24 m	9 m	2400 kW/m ²	904.9 °C	906.8 °C
22	1	0	13.0 m	24 m	9 m	1800 kW/m ²	791.6 °C	821.9 °C
25	1	0	13.0 m	16 m	5 m	2400 kW/m ²	1313.9 °C	1201.7 °C
26	1	0	13.0 m	16 m	5 m	1800 kW/m ²	1218.9 °C	1116.9 °C
29	1	0	13.0 m	16 m	9 m	2400 kW/m ²	990.2 °C	906.8 °C
30	1	0	13.0 m	16 m	9 m	1800 kW/m ²	854.7 °C	821.9 °C
33	1	1	23.4 m	24 m	5 m	2400 kW/m ²	1035.9 °C	1124.4 °C
34	1	1	23.4 m	24 m	5 m	1800 kW/m ²	1001.0 °C	1039.6 °C
37	1	1	23.4 m	24 m	9 m	2400 kW/m ²	1019.6 °C	946.7 °C
38	1	1	23.4 m	24 m	9 m	1800 kW/m ²	911.0 °C	861.8 °C
41	1	1	23.4 m	16 m	5 m	2400 kW/m ²	1061.5 °C	1124.4 °C
42	1	1	23.4 m	16 m	5 m	1800 kW/m ²	990.5 °C	1039.6 °C
45	1	1	23.4 m	16 m	9 m	2400 kW/m ²	1007.8 °C	946.7 °C
46	1	1	23.4 m	16 m	9 m	1800 kW/m ²	917.8 °C	861.8 °C
49	1	1	13.0 m	24 m	5 m	2400 kW/m ²	1100.9 °C	1041.4 °C
50	1	1	13.0 m	24 m	5 m	1800 kW/m ²	1028.0 °C	956.6 °C
53	1	1	13.0 m	24 m	9 m	2400 kW/m ²	788.7 °C	863.7 °C
54	1	1	13.0 m	24 m	9 m	1800 kW/m ²	725.7 °C	778.8 °C
57	1	1	13.0 m	16 m	5 m	2400 kW/m ²	1092.5 °C	1041.4 °C
58	1	1	13.0 m	16 m	5 m	1800 kW/m ²	1013.8 °C	956.6 °C
61	1	1	13.0 m	16 m	9 m	2400 kW/m ²	767.0 °C	863.7 °C
62	1	1	13.0 m	16 m	9 m	1800 kW/m ²	764.5 °C	778.8 °C



WEB

Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
1	1	0	23.4 m	24 m	5 m	2400 kW/m ²	1228.0 °C	1220.7 °C
2	1	0	23.4 m	24 m	5 m	1800 kW/m ²	1118.8 °C	1066.6 °C
5	1	0	23.4 m	24 m	9 m	2400 kW/m ²	860.5 °C	851.4 °C
6	1	0	23.4 m	24 m	9 m	1800 kW/m ²	650.6 °C	697.2 °C
9	1	0	23.4 m	16 m	5 m	2400 kW/m ²	1228.2 °C	1220.7 °C
10	1	0	23.4 m	16 m	5 m	1800 kW/m ²	1118.4 °C	1066.6 °C
13	1	0	23.4 m	16 m	9 m	2400 kW/m ²	833.1 °C	851.4 °C
14	1	0	23.4 m	16 m	9 m	1800 kW/m ²	634.2 °C	697.2 °C
17	1	0	13.0 m	24 m	5 m	2400 kW/m ²	1232.1 °C	1309.6 °C
18	1	0	13.0 m	24 m	5 m	1800 kW/m ²	1118.0 °C	1155.5 °C
21	1	0	13.0 m	24 m	9 m	2400 kW/m ²	821.8 °C	801.4 °C
22	1	0	13.0 m	24 m	9 m	1800 kW/m ²	641.1 °C	647.3 °C
25	1	0	13.0 m	16 m	5 m	2400 kW/m ²	1296.3 °C	1309.6 °C
26	1	0	13.0 m	16 m	5 m	1800 kW/m ²	1164.9 °C	1155.5 °C
29	1	0	13.0 m	16 m	9 m	2400 kW/m ²	866.2 °C	801.4 °C
30	1	0	13.0 m	16 m	9 m	1800 kW/m ²	687.1 °C	647.3 °C
33	1	1	23.4 m	24 m	5 m	2400 kW/m ²	1123.1 °C	1166.9 °C
34	1	1	23.4 m	24 m	5 m	1800 kW/m ²	1074.9 °C	1100.5 °C
37	1	1	23.4 m	24 m	9 m	2400 kW/m ²	1103.3 °C	1050.4 °C
38	1	1	23.4 m	24 m	9 m	1800 kW/m ²	984.1 °C	984.0 °C
41	1	1	23.4 m	16 m	5 m	2400 kW/m ²	1143.9 °C	1166.9 °C
42	1	1	23.4 m	16 m	5 m	1800 kW/m ²	1073.9 °C	1100.5 °C
45	1	1	23.4 m	16 m	9 m	2400 kW/m ²	1101.9 °C	1050.4 °C
46	1	1	23.4 m	16 m	9 m	1800 kW/m ²	998.3 °C	984.0 °C
49	1	1	13.0 m	24 m	5 m	2400 kW/m ²	1162.2 °C	1138.6 °C
50	1	1	13.0 m	24 m	5 m	1800 kW/m ²	1106.6 °C	1072.2 °C
53	1	1	13.0 m	24 m	9 m	2400 kW/m ²	860.8 °C	883.2 °C
54	1	1	13.0 m	24 m	9 m	1800 kW/m ²	777.0 °C	816.9 °C
57	1	1	13.0 m	16 m	5 m	2400 kW/m ²	1165.8 °C	1138.6 °C
58	1	1	13.0 m	16 m	5 m	1800 kW/m ²	1105.8 °C	1072.2 °C
61	1	1	13.0 m	16 m	9 m	2400 kW/m ²	817.1 °C	883.2 °C
62	1	1	13.0 m	16 m	9 m	1800 kW/m ²	826.4 °C	816.9 °C

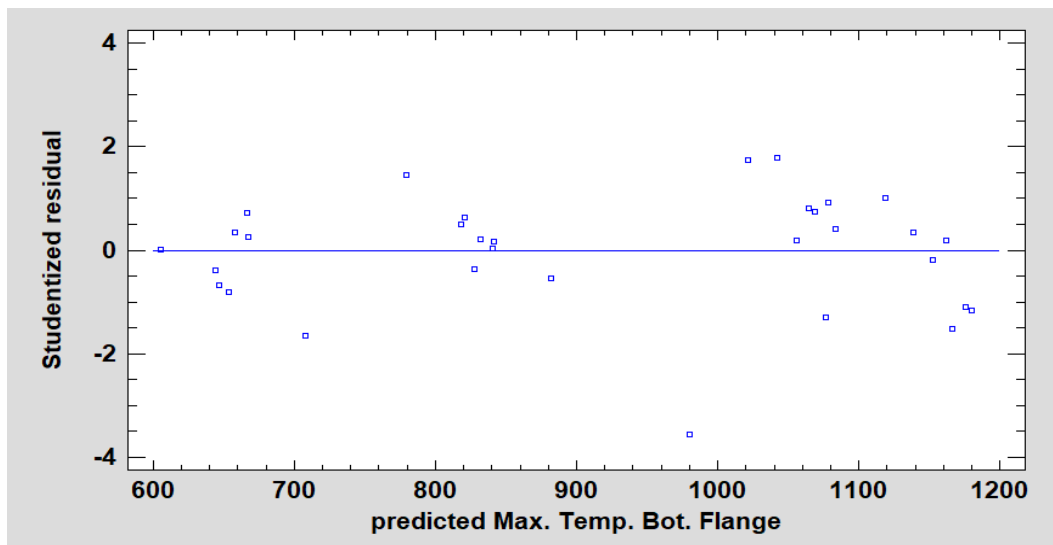
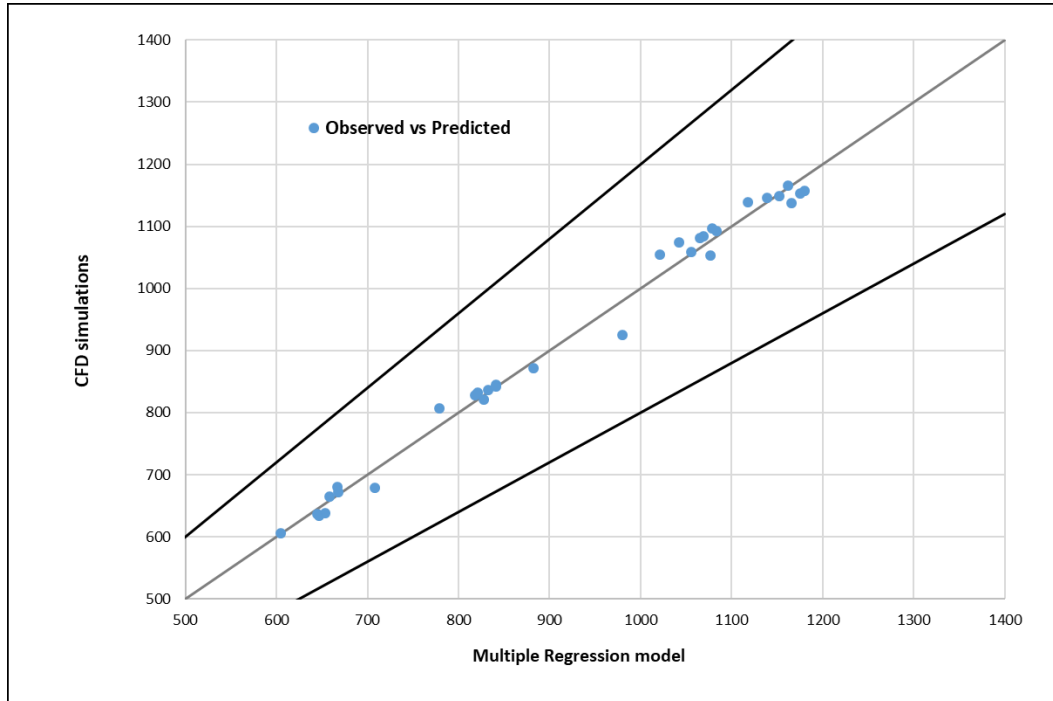


Model	Observed	Predicted	Residual	Studentized Res.
17	1232.1 °C	1309.6 °C	-77.5 °C	-2.22

FIRE LOCATED MID-SPAN

BOTTOM FLANGE

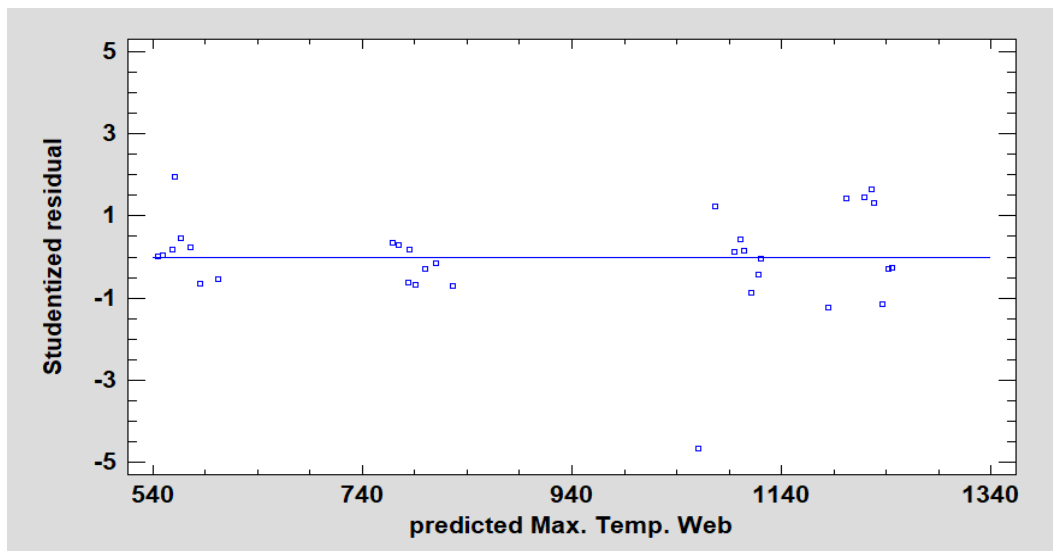
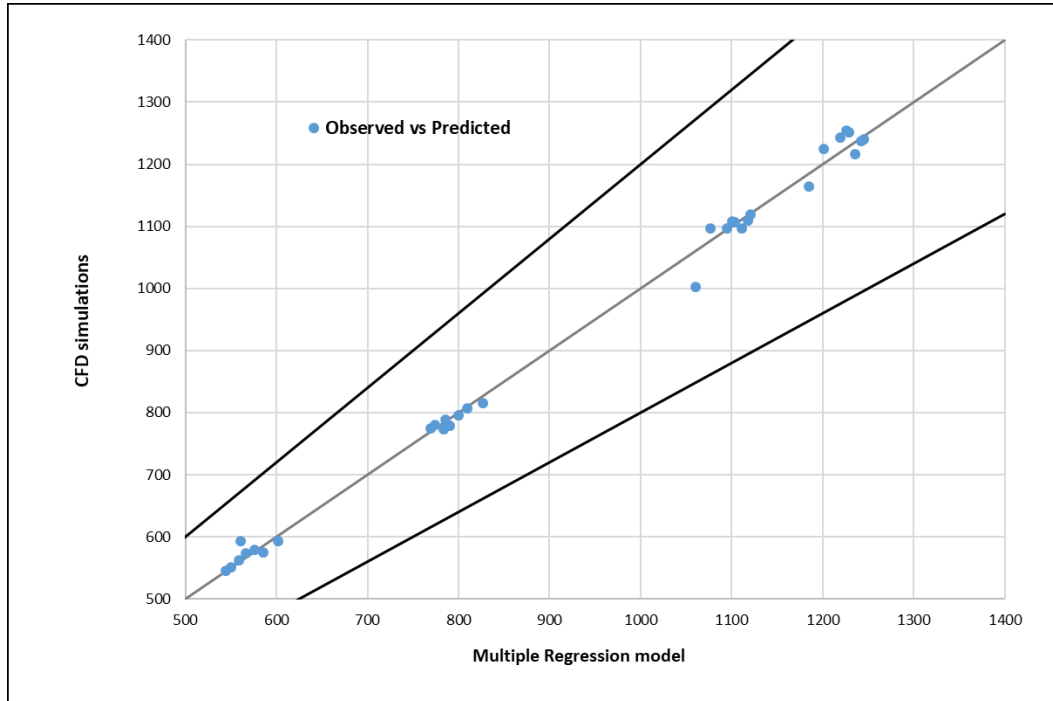
Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
3	0	0	23.4 m	24 m	5 m	2400 kW/m ²	1137.6 °C	1165.9 °C
4	0	0	23.4 m	24 m	5 m	1800 kW/m ²	1083.3 °C	1069.2 °C
7	0	0	23.4 m	24 m	9 m	2400 kW/m ²	836.0 °C	832.1 °C
8	0	0	23.4 m	24 m	9 m	1800 kW/m ²	664.8 °C	658.1 °C
11	0	0	23.4 m	16 m	5 m	2400 kW/m ²	1145.3 °C	1138.6 °C
12	0	0	23.4 m	16 m	5 m	1800 kW/m ²	1074.5 °C	1041.9 °C
15	0	0	23.4 m	16 m	9 m	2400 kW/m ²	841.6 °C	840.8 °C
16	0	0	23.4 m	16 m	9 m	1800 kW/m ²	680.5 °C	666.8 °C
19	0	0	13.0 m	24 m	5 m	2400 kW/m ²	1153.2 °C	1175.2 °C
20	0	0	13.0 m	24 m	5 m	1800 kW/m ²	1097.1 °C	1078.5 °C
23	0	0	13.0 m	24 m	9 m	2400 kW/m ²	844.6 °C	841.4 °C
24	0	0	13.0 m	24 m	9 m	1800 kW/m ²	672.3 °C	667.4 °C
27	0	0	13.0 m	16 m	5 m	2400 kW/m ²	1156.6 °C	1180.0 °C
28	0	0	13.0 m	16 m	5 m	1800 kW/m ²	1092.0 °C	1083.3 °C
31	0	0	13.0 m	16 m	9 m	2400 kW/m ²	872.0 °C	882.3 °C
32	0	0	13.0 m	16 m	9 m	1800 kW/m ²	678.6 °C	708.3 °C
35	0	1	23.4 m	24 m	5 m	2400 kW/m ²	1148.6 °C	1152.2 °C
36	0	1	23.4 m	24 m	5 m	1800 kW/m ²	1059.3 °C	1055.5 °C
39	0	1	23.4 m	24 m	9 m	2400 kW/m ²	828.1 °C	818.5 °C
40	0	1	23.4 m	24 m	9 m	1800 kW/m ²	636.8 °C	644.4 °C
43	0	1	23.4 m	16 m	5 m	2400 kW/m ²	1052.4 °C	1076.9 °C
44	0	1	23.4 m	16 m	5 m	1800 kW/m ²	924.6 °C	980.2 °C
47	0	1	23.4 m	16 m	9 m	2400 kW/m ²	806.4 °C	779.2 °C
48	0	1	23.4 m	16 m	9 m	1800 kW/m ²	605.5 °C	605.1 °C
51	0	1	13.0 m	24 m	5 m	2400 kW/m ²	1165.5 °C	1161.5 °C
52	0	1	13.0 m	24 m	5 m	1800 kW/m ²	1080.8 °C	1064.8 °C
55	0	1	13.0 m	24 m	9 m	2400 kW/m ²	821.0 °C	827.8 °C
56	0	1	13.0 m	24 m	9 m	1800 kW/m ²	638.5 °C	653.7 °C
59	0	1	13.0 m	16 m	5 m	2400 kW/m ²	1138.2 °C	1118.4 °C
60	0	1	13.0 m	16 m	5 m	1800 kW/m ²	1054.8 °C	1021.7 °C
63	0	1	13.0 m	16 m	9 m	2400 kW/m ²	832.7 °C	820.6 °C
64	0	1	13.0 m	16 m	9 m	1800 kW/m ²	633.9 °C	646.6 °C



Model	Observed	Predicted	Residual	Studentized Res.
44	924.6 °C	980.2 °C	-55.6 °C	-3.57

WEB

Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
3	0	0	23.4 m	24 m	5 m	2400 kW/m ²	1216.9 °C	1236.0 °C
4	0	0	23.4 m	24 m	5 m	1800 kW/m ²	1096.4 °C	1111.3 °C
7	0	0	23.4 m	24 m	9 m	2400 kW/m ²	779.1 °C	790.9 °C
8	0	0	23.4 m	24 m	9 m	1800 kW/m ²	574.0 °C	566.4 °C
11	0	0	23.4 m	16 m	5 m	2400 kW/m ²	1224.8 °C	1201.2 °C
12	0	0	23.4 m	16 m	5 m	1800 kW/m ²	1097.2 °C	1076.5 °C
15	0	0	23.4 m	16 m	9 m	2400 kW/m ²	788.4 °C	785.5 °C
16	0	0	23.4 m	16 m	9 m	1800 kW/m ²	592.4 °C	561.0 °C
19	0	0	13.0 m	24 m	5 m	2400 kW/m ²	1240.3 °C	1245.2 °C
20	0	0	13.0 m	24 m	5 m	1800 kW/m ²	1119.8 °C	1120.5 °C
23	0	0	13.0 m	24 m	9 m	2400 kW/m ²	795.3 °C	800.1 °C
24	0	0	13.0 m	24 m	9 m	1800 kW/m ²	579.5 °C	575.6 °C
27	0	0	13.0 m	16 m	5 m	2400 kW/m ²	1236.8 °C	1242.2 °C
28	0	0	13.0 m	16 m	5 m	1800 kW/m ²	1109.6 °C	1117.5 °C
31	0	0	13.0 m	16 m	9 m	2400 kW/m ²	814.7 °C	826.4 °C
32	0	0	13.0 m	16 m	9 m	1800 kW/m ²	592.8 °C	601.9 °C
35	0	1	23.4 m	24 m	5 m	2400 kW/m ²	1243.3 °C	1219.5 °C
36	0	1	23.4 m	24 m	5 m	1800 kW/m ²	1096.8 °C	1094.8 °C
39	0	1	23.4 m	24 m	9 m	2400 kW/m ²	779.5 °C	774.4 °C
40	0	1	23.4 m	24 m	9 m	1800 kW/m ²	550.4 °C	549.9 °C
43	0	1	23.4 m	16 m	5 m	2400 kW/m ²	1164.3 °C	1184.8 °C
44	0	1	23.4 m	16 m	5 m	1800 kW/m ²	1002.2 °C	1060.1 °C
47	0	1	23.4 m	16 m	9 m	2400 kW/m ²	775.2 °C	769.0 °C
48	0	1	23.4 m	16 m	9 m	1800 kW/m ²	544.7 °C	544.5 °C
51	0	1	13.0 m	24 m	5 m	2400 kW/m ²	1251.5 °C	1228.7 °C
52	0	1	13.0 m	24 m	5 m	1800 kW/m ²	1106.5 °C	1104.0 °C
55	0	1	13.0 m	24 m	9 m	2400 kW/m ²	773.3 °C	783.6 °C
56	0	1	13.0 m	24 m	9 m	1800 kW/m ²	562.2 °C	559.1 °C
59	0	1	13.0 m	16 m	5 m	2400 kW/m ²	1253.6 °C	1225.7 °C
60	0	1	13.0 m	16 m	5 m	1800 kW/m ²	1108.6 °C	1101.0 °C
63	0	1	13.0 m	16 m	9 m	2400 kW/m ²	807.3 °C	809.9 °C
64	0	1	13.0 m	16 m	9 m	1800 kW/m ²	574.8 °C	585.4 °C



Model	Observed	Predicted	Residual	Studentized Res.
44	1002.2 °C	1060.1 °C	-57.9 °C	-4.68



RELATIVE POSITION TEMPERATURES

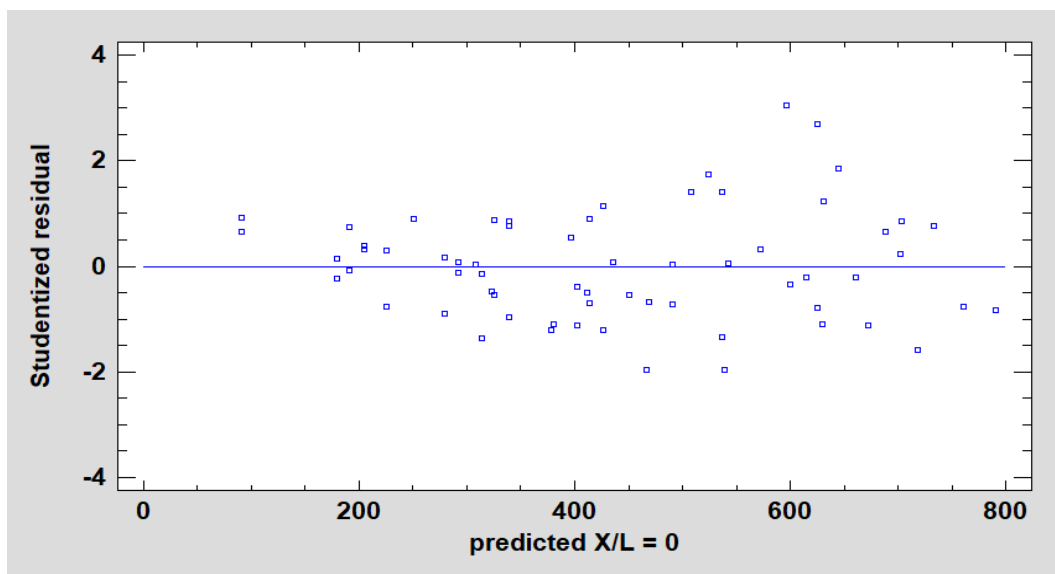
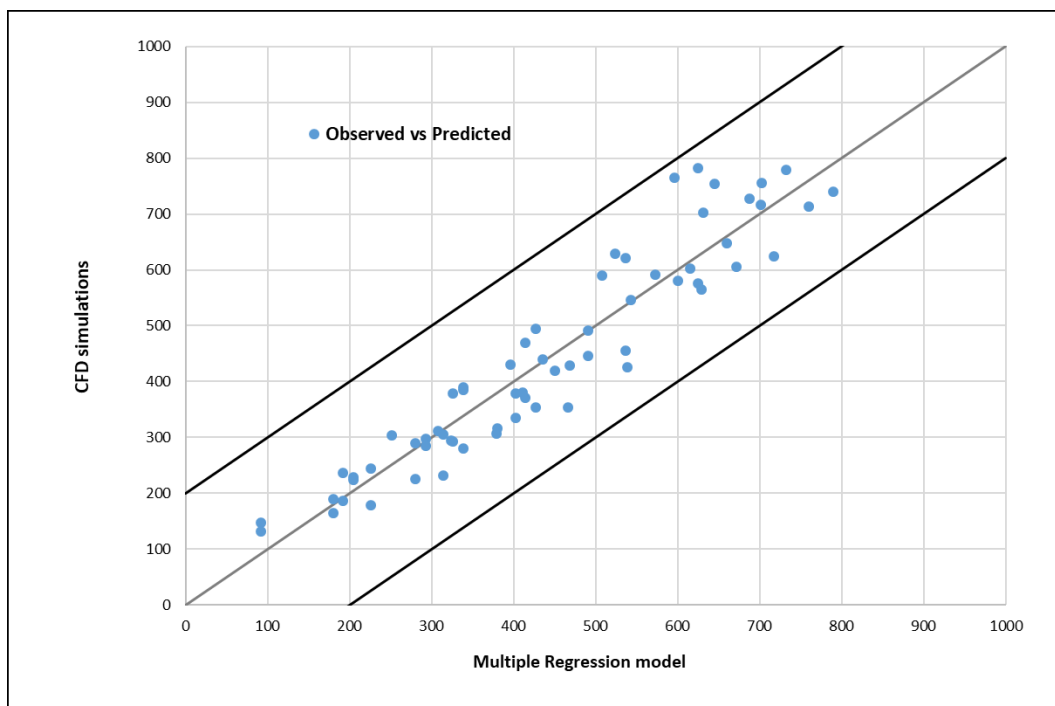
ALL MODELS

X/L = 0 - BOTTOM FLANGE

Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
1	1	0	23.4 m	24 m	5 m	2400 kW/m2	289.6 °C	279.7 °C
2	1	0	23.4 m	24 m	5 m	1800 kW/m2	236.3 °C	191.6 °C
3	0	0	23.4 m	24 m	5 m	2400 kW/m2	491.8 °C	490.4 °C
4	0	0	23.4 m	24 m	5 m	1800 kW/m2	378.3 °C	402.3 °C
5	1	0	23.4 m	24 m	9 m	2400 kW/m2	189.0 °C	179.7 °C
6	1	0	23.4 m	24 m	9 m	1800 kW/m2	147.4 °C	91.6 °C
7	0	0	23.4 m	24 m	9 m	2400 kW/m2	297.5 °C	292.4 °C
8	0	0	23.4 m	24 m	9 m	1800 kW/m2	228.5 °C	204.3 °C
9	1	0	23.4 m	16 m	5 m	2400 kW/m2	371.6 °C	414.0 °C
10	1	0	23.4 m	16 m	5 m	1800 kW/m2	292.9 °C	325.9 °C
11	0	0	23.4 m	16 m	5 m	2400 kW/m2	576.2 °C	624.6 °C
12	0	0	23.4 m	16 m	5 m	1800 kW/m2	454.9 °C	536.5 °C
13	1	0	23.4 m	16 m	9 m	2400 kW/m2	232.1 °C	314.0 °C
14	1	0	23.4 m	16 m	9 m	1800 kW/m2	179.4 °C	225.9 °C
15	0	0	23.4 m	16 m	9 m	2400 kW/m2	354.1 °C	426.7 °C
16	0	0	23.4 m	16 m	9 m	1800 kW/m2	280.6 °C	338.6 °C
17	1	0	13.0 m	24 m	5 m	2400 kW/m2	225.1 °C	279.7 °C
18	1	0	13.0 m	24 m	5 m	1800 kW/m2	186.9 °C	191.6 °C
19	0	0	13.0 m	24 m	5 m	2400 kW/m2	446.3 °C	490.4 °C
20	0	0	13.0 m	24 m	5 m	1800 kW/m2	334.9 °C	402.3 °C
21	1	0	13.0 m	24 m	9 m	2400 kW/m2	165.4 °C	179.7 °C
22	1	0	13.0 m	24 m	9 m	1800 kW/m2	131.2 °C	91.6 °C
23	0	0	13.0 m	24 m	9 m	2400 kW/m2	284.4 °C	292.4 °C
24	0	0	13.0 m	24 m	9 m	1800 kW/m2	224.5 °C	204.3 °C
25	1	0	13.0 m	16 m	5 m	2400 kW/m2	469.5 °C	414.0 °C
26	1	0	13.0 m	16 m	5 m	1800 kW/m2	379.4 °C	325.9 °C
27	0	0	13.0 m	16 m	5 m	2400 kW/m2	782.1 °C	624.6 °C
28	0	0	13.0 m	16 m	5 m	1800 kW/m2	621.9 °C	536.5 °C
29	1	0	13.0 m	16 m	9 m	2400 kW/m2	304.8 °C	314.0 °C
30	1	0	13.0 m	16 m	9 m	1800 kW/m2	243.9 °C	225.9 °C
31	0	0	13.0 m	16 m	9 m	2400 kW/m2	495.0 °C	426.7 °C
32	0	0	13.0 m	16 m	9 m	1800 kW/m2	384.3 °C	338.6 °C
33	1	1	23.4 m	24 m	5 m	2400 kW/m2	624.6 °C	717.7 °C



Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
34	1	1	23.4 m	24 m	5 m	1800 kW/m ²	564.9 °C	629.6 °C
35	0	1	23.4 m	24 m	5 m	2400 kW/m ²	726.8 °C	688.0 °C
36	0	1	23.4 m	24 m	5 m	1800 kW/m ²	579.9 °C	599.9 °C
37	1	1	23.4 m	24 m	9 m	2400 kW/m ²	628.4 °C	523.9 °C
38	1	1	23.4 m	24 m	9 m	1800 kW/m ²	440.4 °C	435.8 °C
39	0	1	23.4 m	24 m	9 m	2400 kW/m ²	429.9 °C	396.3 °C
40	0	1	23.4 m	24 m	9 m	1800 kW/m ²	310.9 °C	308.2 °C
41	1	1	23.4 m	16 m	5 m	2400 kW/m ²	740.6 °C	789.9 °C
42	1	1	23.4 m	16 m	5 m	1800 kW/m ²	716.3 °C	701.8 °C
43	0	1	23.4 m	16 m	5 m	2400 kW/m ²	713.8 °C	760.2 °C
44	0	1	23.4 m	16 m	5 m	1800 kW/m ²	605.9 °C	672.1 °C
45	1	1	23.4 m	16 m	9 m	2400 kW/m ²	764.3 °C	596.2 °C
46	1	1	23.4 m	16 m	9 m	1800 kW/m ²	590.0 °C	508.1 °C
47	0	1	23.4 m	16 m	9 m	2400 kW/m ²	428.5 °C	468.5 °C
48	0	1	23.4 m	16 m	9 m	1800 kW/m ²	315.6 °C	380.4 °C
49	1	1	13.0 m	24 m	5 m	2400 kW/m ²	647.8 °C	660.5 °C
50	1	1	13.0 m	24 m	5 m	1800 kW/m ²	591.6 °C	572.4 °C
51	0	1	13.0 m	24 m	5 m	2400 kW/m ²	703.0 °C	630.8 °C
52	0	1	13.0 m	24 m	5 m	1800 kW/m ²	545.8 °C	542.7 °C
53	1	1	13.0 m	24 m	9 m	2400 kW/m ²	353.1 °C	466.7 °C
54	1	1	13.0 m	24 m	9 m	1800 kW/m ²	307.5 °C	378.6 °C
55	0	1	13.0 m	24 m	9 m	2400 kW/m ²	389.3 °C	339.1 °C
56	0	1	13.0 m	24 m	9 m	1800 kW/m ²	303.8 °C	251.0 °C
57	1	1	13.0 m	16 m	5 m	2400 kW/m ²	779.7 °C	732.7 °C
58	1	1	13.0 m	16 m	5 m	1800 kW/m ²	754.4 °C	644.6 °C
59	0	1	13.0 m	16 m	5 m	2400 kW/m ²	756.1 °C	703.0 °C
60	0	1	13.0 m	16 m	5 m	1800 kW/m ²	601.8 °C	614.9 °C
61	1	1	13.0 m	16 m	9 m	2400 kW/m ²	425.4 °C	539.0 °C
62	1	1	13.0 m	16 m	9 m	1800 kW/m ²	419.0 °C	450.9 °C
63	0	1	13.0 m	16 m	9 m	2400 kW/m ²	381.0 °C	411.3 °C
64	0	1	13.0 m	16 m	9 m	1800 kW/m ²	294.4 °C	323.2 °C



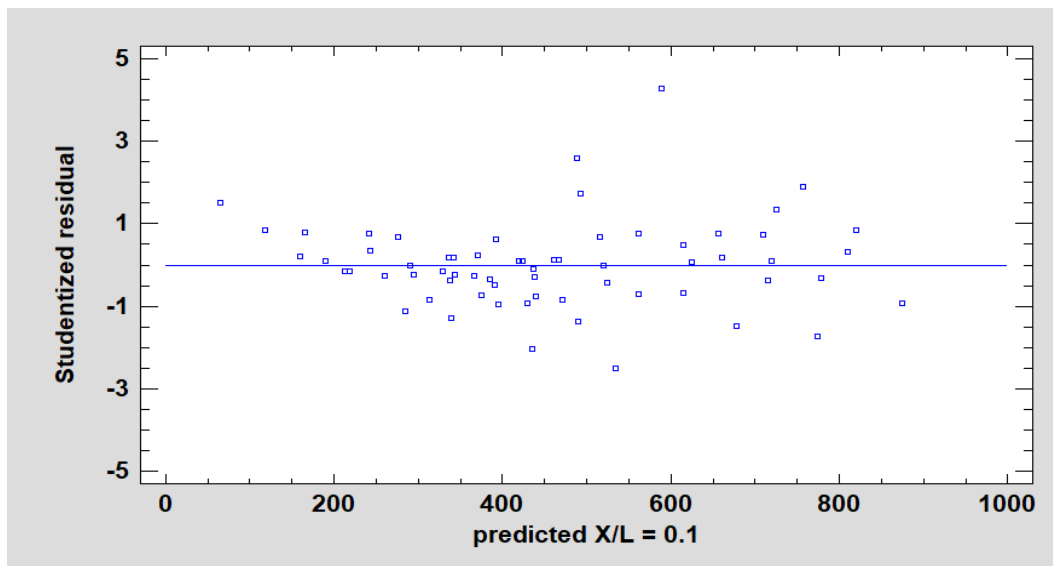
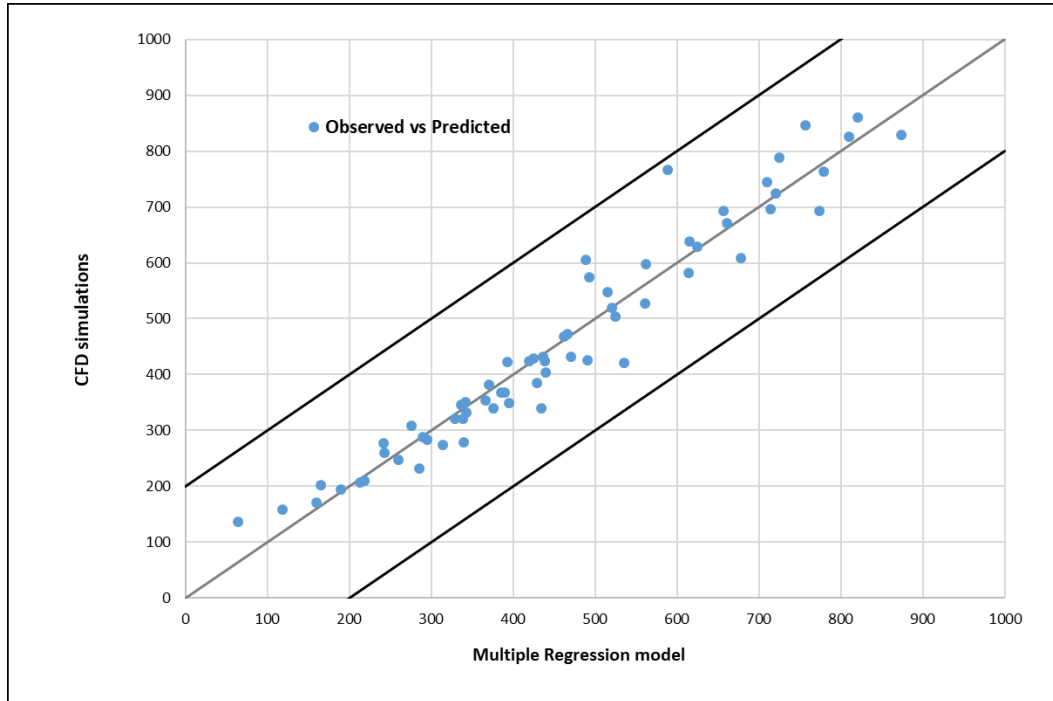
Model	Observed	Predicted	Residual	Studentized Res.
27	782.1 °C	624.6 °C	157.4 °C	2.71
45	764.3 °C	596.2 °C	168.1 °C	3.06

X/L = 0.1 - BOTTOM FLANGE

Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
1	1	0	23.4 m	24 m	5 m	2400 kW/m2	320.6 °C	338.5 °C
2	1	0	23.4 m	24 m	5 m	1800 kW/m2	260.0 °C	243.2 °C
3	0	0	23.4 m	24 m	5 m	2400 kW/m2	547.2 °C	515.3 °C
4	0	0	23.4 m	24 m	5 m	1800 kW/m2	424.1 °C	419.9 °C
5	1	0	23.4 m	24 m	9 m	2400 kW/m2	206.6 °C	213.5 °C
6	1	0	23.4 m	24 m	9 m	1800 kW/m2	158.9 °C	118.1 °C
7	0	0	23.4 m	24 m	9 m	2400 kW/m2	367.7 °C	390.2 °C
8	0	0	23.4 m	24 m	9 m	1800 kW/m2	284.2 °C	294.9 °C
9	1	0	23.4 m	16 m	5 m	2400 kW/m2	424.4 °C	438.7 °C
10	1	0	23.4 m	16 m	5 m	1800 kW/m2	331.8 °C	343.4 °C
11	0	0	23.4 m	16 m	5 m	2400 kW/m2	638.8 °C	615.5 °C
12	0	0	23.4 m	16 m	5 m	1800 kW/m2	518.9 °C	520.2 °C
13	1	0	23.4 m	16 m	9 m	2400 kW/m2	274.0 °C	313.7 °C
14	1	0	23.4 m	16 m	9 m	1800 kW/m2	210.8 °C	218.4 °C
15	0	0	23.4 m	16 m	9 m	2400 kW/m2	425.8 °C	490.5 °C
16	0	0	23.4 m	16 m	9 m	1800 kW/m2	349.2 °C	395.1 °C
17	1	0	13.0 m	24 m	5 m	2400 kW/m2	232.2 °C	285.0 °C
18	1	0	13.0 m	24 m	5 m	1800 kW/m2	193.6 °C	189.6 °C
19	0	0	13.0 m	24 m	5 m	2400 kW/m2	467.4 °C	461.7 °C
20	0	0	13.0 m	24 m	5 m	1800 kW/m2	353.9 °C	366.4 °C
21	1	0	13.0 m	24 m	9 m	2400 kW/m2	170.2 °C	160.0 °C
22	1	0	13.0 m	24 m	9 m	1800 kW/m2	136.0 °C	64.6 °C
23	0	0	13.0 m	24 m	9 m	2400 kW/m2	345.6 °C	336.7 °C
24	0	0	13.0 m	24 m	9 m	1800 kW/m2	277.6 °C	241.4 °C
25	1	0	13.0 m	16 m	5 m	2400 kW/m2	368.3 °C	385.2 °C
26	1	0	13.0 m	16 m	5 m	1800 kW/m2	288.6 °C	289.9 °C
27	0	0	13.0 m	16 m	5 m	2400 kW/m2	598.1 °C	562.0 °C
28	0	0	13.0 m	16 m	5 m	1800 kW/m2	473.1 °C	466.6 °C
29	1	0	13.0 m	16 m	9 m	2400 kW/m2	248.2 °C	260.2 °C
30	1	0	13.0 m	16 m	9 m	1800 kW/m2	202.6 °C	164.9 °C
31	0	0	13.0 m	16 m	9 m	2400 kW/m2	432.6 °C	437.0 °C
32	0	0	13.0 m	16 m	9 m	1800 kW/m2	350.9 °C	341.6 °C
33	1	1	23.4 m	24 m	5 m	2400 kW/m2	692.3 °C	773.8 °C
34	1	1	23.4 m	24 m	5 m	1800 kW/m2	608.7 °C	678.5 °C
35	0	1	23.4 m	24 m	5 m	2400 kW/m2	744.5 °C	709.9 °C
36	0	1	23.4 m	24 m	5 m	1800 kW/m2	581.8 °C	614.5 °C
37	1	1	23.4 m	24 m	9 m	2400 kW/m2	606.1 °C	488.3 °C



Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
38	1	1	23.4 m	24 m	9 m	1800 kW/m ²	422.7 °C	393.0 °C
39	0	1	23.4 m	24 m	9 m	2400 kW/m ²	428.7 °C	424.4 °C
40	0	1	23.4 m	24 m	9 m	1800 kW/m ²	321.5 °C	329.0 °C
41	1	1	23.4 m	16 m	5 m	2400 kW/m ²	829.8 °C	874.1 °C
42	1	1	23.4 m	16 m	5 m	1800 kW/m ²	763.4 °C	778.7 °C
43	0	1	23.4 m	16 m	5 m	2400 kW/m ²	825.5 °C	810.1 °C
44	0	1	23.4 m	16 m	5 m	1800 kW/m ²	696.2 °C	714.8 °C
45	1	1	23.4 m	16 m	9 m	2400 kW/m ²	766.0 °C	588.6 °C
46	1	1	23.4 m	16 m	9 m	1800 kW/m ²	574.1 °C	493.2 °C
47	0	1	23.4 m	16 m	9 m	2400 kW/m ²	504.1 °C	524.6 °C
48	0	1	23.4 m	16 m	9 m	1800 kW/m ²	385.2 °C	429.3 °C
49	1	1	13.0 m	24 m	5 m	2400 kW/m ²	724.5 °C	720.3 °C
50	1	1	13.0 m	24 m	5 m	1800 kW/m ²	628.7 °C	625.0 °C
51	0	1	13.0 m	24 m	5 m	2400 kW/m ²	693.0 °C	656.4 °C
52	0	1	13.0 m	24 m	5 m	1800 kW/m ²	527.1 °C	561.0 °C
53	1	1	13.0 m	24 m	9 m	2400 kW/m ²	340.1 °C	434.8 °C
54	1	1	13.0 m	24 m	9 m	1800 kW/m ²	278.0 °C	339.5 °C
55	0	1	13.0 m	24 m	9 m	2400 kW/m ²	381.8 °C	370.9 °C
56	0	1	13.0 m	24 m	9 m	1800 kW/m ²	308.2 °C	275.5 °C
57	1	1	13.0 m	16 m	5 m	2400 kW/m ²	860.8 °C	820.5 °C
58	1	1	13.0 m	16 m	5 m	1800 kW/m ²	788.4 °C	725.2 °C
59	0	1	13.0 m	16 m	5 m	2400 kW/m ²	845.4 °C	756.6 °C
60	0	1	13.0 m	16 m	5 m	1800 kW/m ²	670.4 °C	661.3 °C
61	1	1	13.0 m	16 m	9 m	2400 kW/m ²	421.4 °C	535.0 °C
62	1	1	13.0 m	16 m	9 m	1800 kW/m ²	403.1 °C	439.7 °C
63	0	1	13.0 m	16 m	9 m	2400 kW/m ²	431.4 °C	471.1 °C
64	0	1	13.0 m	16 m	9 m	1800 kW/m ²	340.1 °C	375.8 °C



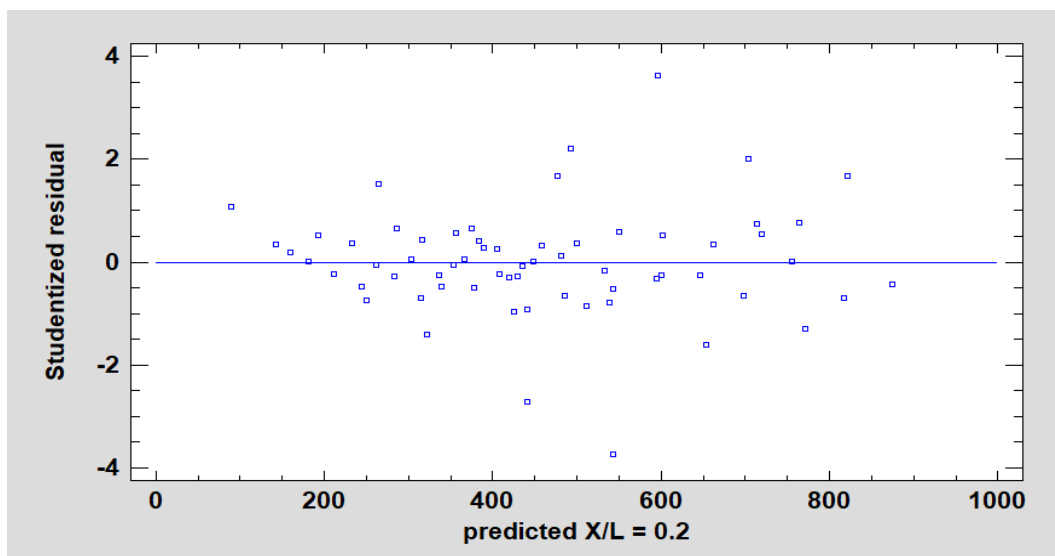
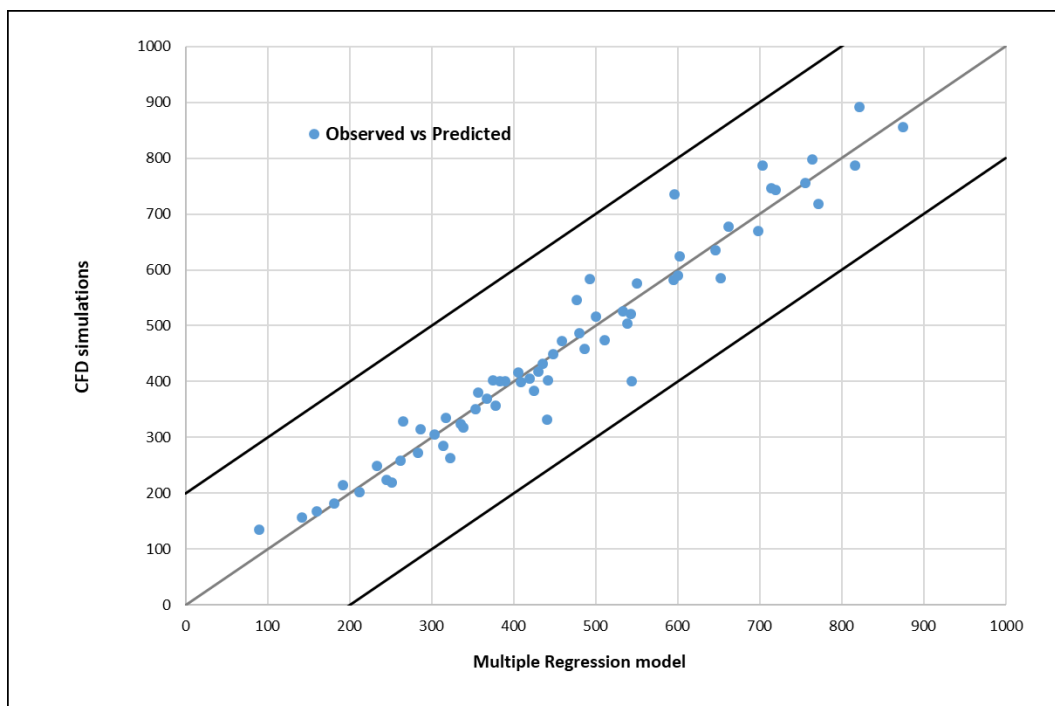
Model	Observed	Predicted	Residual	Studentized Res.
37	606.2 °C	488.3 °C	117.8 °C	2.61
45	766.0 °C	588.6 °C	177.5 °C	4.28
53	340.1 °C	434.8 °C	-94.7 °C	-2.05
61	421.4 °C	535.0 °C	-113.6 °C	-2.5

X/L = 0.2 - BOTTOM FLANGE

Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
1	1	0	23.4 m	24 m	5 m	2400 kW/m ²	305.2 °C	303.1 °C
2	1	0	23.4 m	24 m	5 m	1800 kW/m ²	249.1 °C	233.5 °C
3	0	0	23.4 m	24 m	5 m	2400 kW/m ²	515.7 °C	500.0 °C
4	0	0	23.4 m	24 m	5 m	1800 kW/m ²	418.3 °C	430.4 °C
5	1	0	23.4 m	24 m	9 m	2400 kW/m ²	201.8 °C	211.6 °C
6	1	0	23.4 m	24 m	9 m	1800 kW/m ²	156.4 °C	142.0 °C
7	0	0	23.4 m	24 m	9 m	2400 kW/m ²	398.6 °C	408.5 °C
8	0	0	23.4 m	24 m	9 m	1800 kW/m ²	318.3 °C	338.9 °C
9	1	0	23.4 m	16 m	5 m	2400 kW/m ²	416.7 °C	405.6 °C
10	1	0	23.4 m	16 m	5 m	1800 kW/m ²	324.6 °C	336.0 °C
11	0	0	23.4 m	16 m	5 m	2400 kW/m ²	624.3 °C	602.5 °C
12	0	0	23.4 m	16 m	5 m	1800 kW/m ²	525.4 °C	532.9 °C
13	1	0	23.4 m	16 m	9 m	2400 kW/m ²	284.7 °C	314.1 °C
14	1	0	23.4 m	16 m	9 m	1800 kW/m ²	223.8 °C	244.5 °C
15	0	0	23.4 m	16 m	9 m	2400 kW/m ²	474.3 °C	511.0 °C
16	0	0	23.4 m	16 m	9 m	1800 kW/m ²	402.6 °C	441.4 °C
17	1	0	13.0 m	24 m	5 m	2400 kW/m ²	219.2 °C	250.9 °C
18	1	0	13.0 m	24 m	5 m	1800 kW/m ²	181.8 °C	181.3 °C
19	0	0	13.0 m	24 m	5 m	2400 kW/m ²	448.5 °C	447.8 °C
20	0	0	13.0 m	24 m	5 m	1800 kW/m ²	357.1 °C	378.2 °C
21	1	0	13.0 m	24 m	9 m	2400 kW/m ²	167.8 °C	159.5 °C
22	1	0	13.0 m	24 m	9 m	1800 kW/m ²	135.8 °C	89.8 °C
23	0	0	13.0 m	24 m	9 m	2400 kW/m ²	380.6 °C	356.4 °C
24	0	0	13.0 m	24 m	9 m	1800 kW/m ²	314.8 °C	286.7 °C
25	1	0	13.0 m	16 m	5 m	2400 kW/m ²	350.7 °C	353.4 °C
26	1	0	13.0 m	16 m	5 m	1800 kW/m ²	272.2 °C	283.8 °C
27	0	0	13.0 m	16 m	5 m	2400 kW/m ²	575.3 °C	550.3 °C
28	0	0	13.0 m	16 m	5 m	1800 kW/m ²	486.0 °C	480.7 °C
29	1	0	13.0 m	16 m	9 m	2400 kW/m ²	259.1 °C	262.0 °C
30	1	0	13.0 m	16 m	9 m	1800 kW/m ²	214.4 °C	192.4 °C
31	0	0	13.0 m	16 m	9 m	2400 kW/m ²	472.9 °C	458.9 °C
32	0	0	13.0 m	16 m	9 m	1800 kW/m ²	401.0 °C	389.2 °C
33	1	1	23.4 m	24 m	5 m	2400 kW/m ²	717.5 °C	771.9 °C
34	1	1	23.4 m	24 m	5 m	1800 kW/m ²	585.9 °C	653.0 °C
35	0	1	23.4 m	24 m	5 m	2400 kW/m ²	746.4 °C	714.3 °C
36	0	1	23.4 m	24 m	5 m	1800 kW/m ²	581.5 °C	595.4 °C
37	1	1	23.4 m	24 m	9 m	2400 kW/m ²	583.7 °C	493.4 °C



Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
38	1	1	23.4 m	24 m	9 m	1800 kW/m ²	402.8 °C	374.5 °C
39	0	1	23.4 m	24 m	9 m	2400 kW/m ²	432.5 °C	435.8 °C
40	0	1	23.4 m	24 m	9 m	1800 kW/m ²	335.5 °C	316.9 °C
41	1	1	23.4 m	16 m	5 m	2400 kW/m ²	855.5 °C	874.4 °C
42	1	1	23.4 m	16 m	5 m	1800 kW/m ²	755.6 °C	755.5 °C
43	0	1	23.4 m	16 m	5 m	2400 kW/m ²	787.3 °C	816.8 °C
44	0	1	23.4 m	16 m	5 m	1800 kW/m ²	669.8 °C	697.9 °C
45	1	1	23.4 m	16 m	9 m	2400 kW/m ²	734.9 °C	595.9 °C
46	1	1	23.4 m	16 m	9 m	1800 kW/m ²	546.8 °C	477.0 °C
47	0	1	23.4 m	16 m	9 m	2400 kW/m ²	504.4 °C	538.3 °C
48	0	1	23.4 m	16 m	9 m	1800 kW/m ²	406.1 °C	419.4 °C
49	1	1	13.0 m	24 m	5 m	2400 kW/m ²	743.1 °C	719.7 °C
50	1	1	13.0 m	24 m	5 m	1800 kW/m ²	589.5 °C	600.8 °C
51	0	1	13.0 m	24 m	5 m	2400 kW/m ²	677.1 °C	662.1 °C
52	0	1	13.0 m	24 m	5 m	1800 kW/m ²	521.3 °C	543.2 °C
53	1	1	13.0 m	24 m	9 m	2400 kW/m ²	331.8 °C	441.2 °C
54	1	1	13.0 m	24 m	9 m	1800 kW/m ²	263.3 °C	322.3 °C
55	0	1	13.0 m	24 m	9 m	2400 kW/m ²	401.3 °C	383.6 °C
56	0	1	13.0 m	24 m	9 m	1800 kW/m ²	328.8 °C	264.7 °C
57	1	1	13.0 m	16 m	5 m	2400 kW/m ²	891.9 °C	822.2 °C
58	1	1	13.0 m	16 m	5 m	1800 kW/m ²	786.1 °C	703.3 °C
59	0	1	13.0 m	16 m	5 m	2400 kW/m ²	797.1 °C	764.6 °C
60	0	1	13.0 m	16 m	5 m	1800 kW/m ²	635.2 °C	645.7 °C
61	1	1	13.0 m	16 m	9 m	2400 kW/m ²	401.2 °C	543.7 °C
62	1	1	13.0 m	16 m	9 m	1800 kW/m ²	383.9 °C	424.8 °C
63	0	1	13.0 m	16 m	9 m	2400 kW/m ²	458.0 °C	486.1 °C
64	0	1	13.0 m	16 m	9 m	1800 kW/m ²	369.6 °C	367.2 °C



Model	Observed	Predicted	Residual	Studentized Res.
37	583.7 °C	493.3 °C	90.3 °C	2.2
45	734.9 °C	595.9 °C	139.0 °C	3.62
53	331.8 °C	441.2 °C	-109.4 °C	-2.72
58	786.1 °C	703.3 °C	82.7 °C	2
61	401.2 °C	543.7 °C	-142.5 °C	-3.73

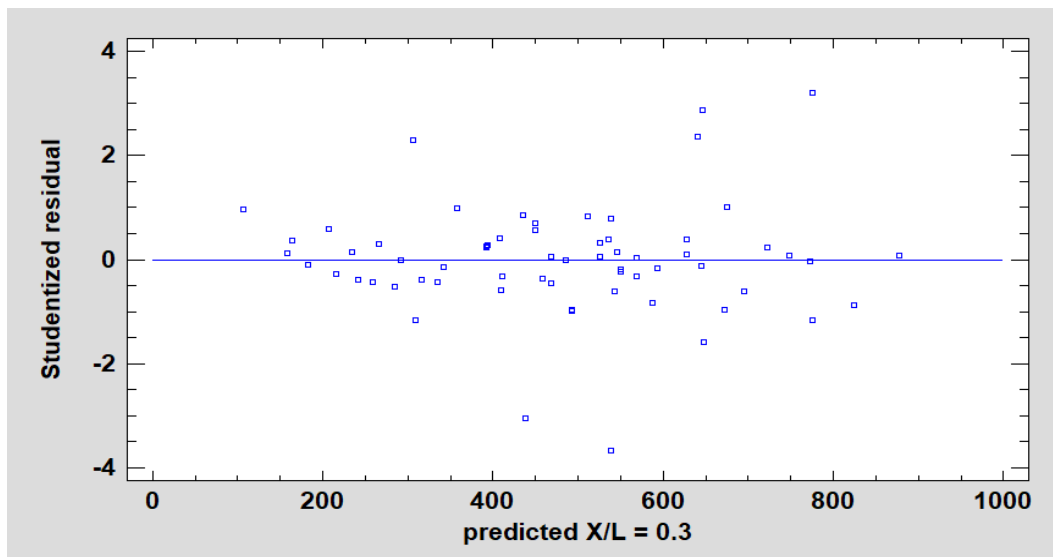
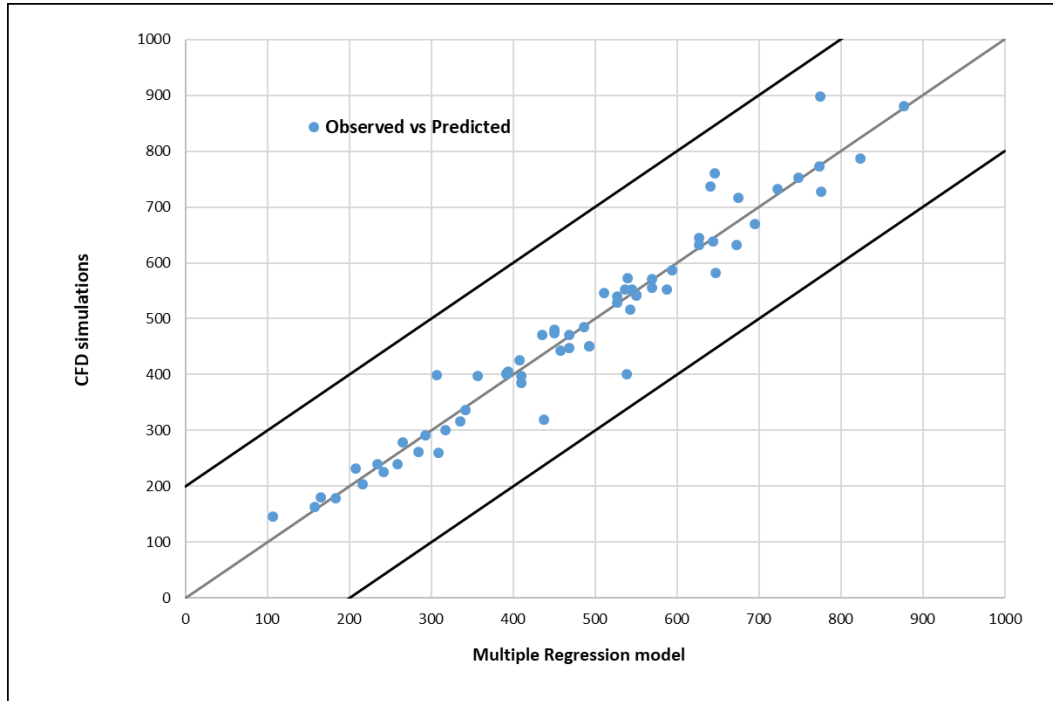


X/L = 0.3 - BOTTOM FLANGE

Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
1	1	0	23.4 m	24 m	5 m	2400 kW/m2	291.7 °C	292.6 °C
2	1	0	23.4 m	24 m	5 m	1800 kW/m2	240.0 °C	234.3 °C
3	0	0	23.4 m	24 m	5 m	2400 kW/m2	540.6 °C	526.5 °C
4	0	0	23.4 m	24 m	5 m	1800 kW/m2	470.6 °C	468.3 °C
5	1	0	23.4 m	24 m	9 m	2400 kW/m2	204.0 °C	215.9 °C
6	1	0	23.4 m	24 m	9 m	1800 kW/m2	163.0 °C	157.7 °C
7	0	0	23.4 m	24 m	9 m	2400 kW/m2	479.8 °C	449.9 °C
8	0	0	23.4 m	24 m	9 m	1800 kW/m2	401.4 °C	391.6 °C
9	1	0	23.4 m	16 m	5 m	2400 kW/m2	404.8 °C	393.6 °C
10	1	0	23.4 m	16 m	5 m	1800 kW/m2	316.7 °C	335.3 °C
11	0	0	23.4 m	16 m	5 m	2400 kW/m2	643.9 °C	627.5 °C
12	0	0	23.4 m	16 m	5 m	1800 kW/m2	570.5 °C	569.3 °C
13	1	0	23.4 m	16 m	9 m	2400 kW/m2	300.3 °C	316.9 °C
14	1	0	23.4 m	16 m	9 m	1800 kW/m2	240.2 °C	258.7 °C
15	0	0	23.4 m	16 m	9 m	2400 kW/m2	542.7 °C	550.9 °C
16	0	0	23.4 m	16 m	9 m	1800 kW/m2	450.9 °C	492.6 °C
17	1	0	13.0 m	24 m	5 m	2400 kW/m2	225.3 °C	241.3 °C
18	1	0	13.0 m	24 m	5 m	1800 kW/m2	179.1 °C	183.1 °C
19	0	0	13.0 m	24 m	5 m	2400 kW/m2	528.4 °C	526.5 °C
20	0	0	13.0 m	24 m	5 m	1800 kW/m2	448.1 °C	468.3 °C
21	1	0	13.0 m	24 m	9 m	2400 kW/m2	179.9 °C	164.7 °C
22	1	0	13.0 m	24 m	9 m	1800 kW/m2	146.5 °C	106.5 °C
23	0	0	13.0 m	24 m	9 m	2400 kW/m2	474.5 °C	449.9 °C
24	0	0	13.0 m	24 m	9 m	1800 kW/m2	402.7 °C	391.6 °C
25	1	0	13.0 m	16 m	5 m	2400 kW/m2	336.2 °C	342.4 °C
26	1	0	13.0 m	16 m	5 m	1800 kW/m2	262.3 °C	284.1 °C
27	0	0	13.0 m	16 m	5 m	2400 kW/m2	631.4 °C	627.5 °C
28	0	0	13.0 m	16 m	5 m	1800 kW/m2	555.2 °C	569.3 °C
29	1	0	13.0 m	16 m	9 m	2400 kW/m2	278.1 °C	265.7 °C
30	1	0	13.0 m	16 m	9 m	1800 kW/m2	232.3 °C	207.5 °C
31	0	0	13.0 m	16 m	9 m	2400 kW/m2	541.2 °C	550.9 °C
32	0	0	13.0 m	16 m	9 m	1800 kW/m2	451.4 °C	492.6 °C
33	1	1	23.4 m	24 m	5 m	2400 kW/m2	728.2 °C	776.2 °C
34	1	1	23.4 m	24 m	5 m	1800 kW/m2	581.8 °C	647.3 °C
35	0	1	23.4 m	24 m	5 m	2400 kW/m2	732.8 °C	723.0 °C
36	0	1	23.4 m	24 m	5 m	1800 kW/m2	586.9 °C	594.0 °C
37	1	1	23.4 m	24 m	9 m	2400 kW/m2	573.2 °C	539.4 °C



Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
38	1	1	23.4 m	24 m	9 m	1800 kW/m ²	397.3 °C	410.5 °C
39	0	1	23.4 m	24 m	9 m	2400 kW/m ²	485.7 °C	486.2 °C
40	0	1	23.4 m	24 m	9 m	1800 kW/m ²	398.0 °C	357.2 °C
41	1	1	23.4 m	16 m	5 m	2400 kW/m ²	880.7 °C	877.2 °C
42	1	1	23.4 m	16 m	5 m	1800 kW/m ²	751.8 °C	748.3 °C
43	0	1	23.4 m	16 m	5 m	2400 kW/m ²	787.0 °C	824.0 °C
44	0	1	23.4 m	16 m	5 m	1800 kW/m ²	669.6 °C	695.0 °C
45	1	1	23.4 m	16 m	9 m	2400 kW/m ²	736.2 °C	640.4 °C
46	1	1	23.4 m	16 m	9 m	1800 kW/m ²	546.2 °C	511.5 °C
47	0	1	23.4 m	16 m	9 m	2400 kW/m ²	552.1 °C	587.2 °C
48	0	1	23.4 m	16 m	9 m	1800 kW/m ²	443.1 °C	458.2 °C
49	1	1	13.0 m	24 m	5 m	2400 kW/m ²	715.9 °C	674.4 °C
50	1	1	13.0 m	24 m	5 m	1800 kW/m ²	551.8 °C	545.5 °C
51	0	1	13.0 m	24 m	5 m	2400 kW/m ²	632.2 °C	672.4 °C
52	0	1	13.0 m	24 m	5 m	1800 kW/m ²	516.8 °C	543.4 °C
53	1	1	13.0 m	24 m	9 m	2400 kW/m ²	318.9 °C	437.6 °C
54	1	1	13.0 m	24 m	9 m	1800 kW/m ²	260.7 °C	308.6 °C
55	0	1	13.0 m	24 m	9 m	2400 kW/m ²	471.2 °C	435.6 °C
56	0	1	13.0 m	24 m	9 m	1800 kW/m ²	399.8 °C	306.6 °C
57	1	1	13.0 m	16 m	5 m	2400 kW/m ²	898.0 °C	775.4 °C
58	1	1	13.0 m	16 m	5 m	1800 kW/m ²	760.9 °C	646.5 °C
59	0	1	13.0 m	16 m	5 m	2400 kW/m ²	772.1 °C	773.4 °C
60	0	1	13.0 m	16 m	5 m	1800 kW/m ²	638.9 °C	644.4 °C
61	1	1	13.0 m	16 m	9 m	2400 kW/m ²	400.3 °C	538.6 °C
62	1	1	13.0 m	16 m	9 m	1800 kW/m ²	385.3 °C	409.6 °C
63	0	1	13.0 m	16 m	9 m	2400 kW/m ²	553.0 °C	536.6 °C
64	0	1	13.0 m	16 m	9 m	1800 kW/m ²	425.3 °C	407.6 °C



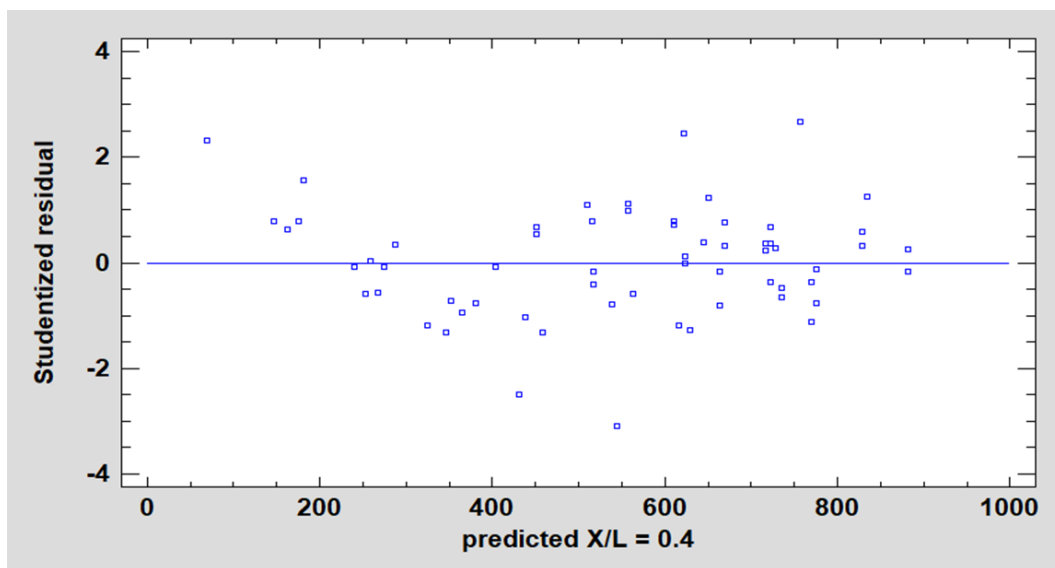
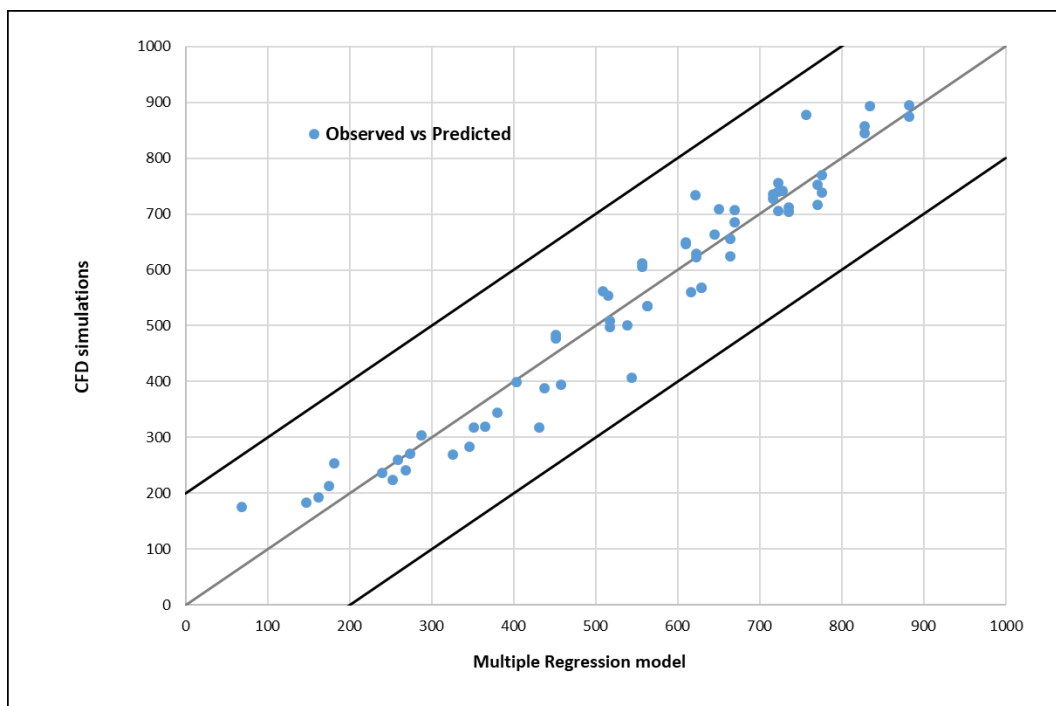
Model	Observed	Predicted	Residual	Studentized Res.
45	736.2 °C	640.4 °C	95.8 °C	2.35
53	318.9 °C	437.6 °C	-118.7 °C	-3.05
56	399.8 °C	306.6 °C	93.2 °C	2.3
57	898.1 °C	775.4 °C	122.6 °C	3.2
58	760.9 °C	646.5 °C	114.5 °C	2.88
61	400.3 °C	538.6 °C	-138.3 °C	-3.67

X/L = 0.4 - BOTTOM FLANGE

Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
1	1	0	23.4 m	24 m	5 m	2400 kW/m ²	283.6 °C	345.9 °C
2	1	0	23.4 m	24 m	5 m	1800 kW/m ²	236.3 °C	239.8 °C
3	0	0	23.4 m	24 m	5 m	2400 kW/m ²	727.9 °C	716.3 °C
4	0	0	23.4 m	24 m	5 m	1800 kW/m ²	648.6 °C	610.2 °C
5	1	0	23.4 m	24 m	9 m	2400 kW/m ²	224.5 °C	252.7 °C
6	1	0	23.4 m	24 m	9 m	1800 kW/m ²	184.2 °C	146.6 °C
7	0	0	23.4 m	24 m	9 m	2400 kW/m ²	629.4 °C	623.2 °C
8	0	0	23.4 m	24 m	9 m	1800 kW/m ²	497.0 °C	517.1 °C
9	1	0	23.4 m	16 m	5 m	2400 kW/m ²	395.1 °C	458.0 °C
10	1	0	23.4 m	16 m	5 m	1800 kW/m ²	317.1 °C	351.9 °C
11	0	0	23.4 m	16 m	5 m	2400 kW/m ²	844.6 °C	828.5 °C
12	0	0	23.4 m	16 m	5 m	1800 kW/m ²	740.5 °C	722.4 °C
13	1	0	23.4 m	16 m	9 m	2400 kW/m ²	320.2 °C	364.9 °C
14	1	0	23.4 m	16 m	9 m	1800 kW/m ²	260.8 °C	258.8 °C
15	0	0	23.4 m	16 m	9 m	2400 kW/m ²	703.8 °C	735.4 °C
16	0	0	23.4 m	16 m	9 m	1800 kW/m ²	568.0 °C	629.2 °C
17	1	0	13.0 m	24 m	5 m	2400 kW/m ²	240.6 °C	268.1 °C
18	1	0	13.0 m	24 m	5 m	1800 kW/m ²	192.6 °C	162.0 °C
19	0	0	13.0 m	24 m	5 m	2400 kW/m ²	734.6 °C	716.3 °C
20	0	0	13.0 m	24 m	5 m	1800 kW/m ²	645.7 °C	610.2 °C
21	1	0	13.0 m	24 m	9 m	2400 kW/m ²	212.4 °C	174.9 °C
22	1	0	13.0 m	24 m	9 m	1800 kW/m ²	175.3 °C	68.8 °C
23	0	0	13.0 m	24 m	9 m	2400 kW/m ²	622.9 °C	623.2 °C
24	0	0	13.0 m	24 m	9 m	1800 kW/m ²	508.8 °C	517.1 °C
25	1	0	13.0 m	16 m	5 m	2400 kW/m ²	344.0 °C	380.2 °C
26	1	0	13.0 m	16 m	5 m	1800 kW/m ²	270.4 °C	274.1 °C
27	0	0	13.0 m	16 m	5 m	2400 kW/m ²	857.4 °C	828.5 °C
28	0	0	13.0 m	16 m	5 m	1800 kW/m ²	755.8 °C	722.4 °C
29	1	0	13.0 m	16 m	9 m	2400 kW/m ²	303.6 °C	287.1 °C
30	1	0	13.0 m	16 m	9 m	1800 kW/m ²	254.2 °C	181.0 °C
31	0	0	13.0 m	16 m	9 m	2400 kW/m ²	712.1 °C	735.4 °C
32	0	0	13.0 m	16 m	9 m	1800 kW/m ²	567.3 °C	629.2 °C
33	1	1	23.4 m	24 m	5 m	2400 kW/m ²	705.3 °C	722.4 °C
34	1	1	23.4 m	24 m	5 m	1800 kW/m ²	559.8 °C	616.3 °C
35	0	1	23.4 m	24 m	5 m	2400 kW/m ²	751.9 °C	770.1 °C
36	0	1	23.4 m	24 m	5 m	1800 kW/m ²	655.9 °C	664.0 °C
37	1	1	23.4 m	24 m	9 m	2400 kW/m ²	561.7 °C	509.4 °C



Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
38	1	1	23.4 m	24 m	9 m	1800 kW/m2	399.1 °C	403.3 °C
39	0	1	23.4 m	24 m	9 m	2400 kW/m2	611.8 °C	557.2 °C
40	0	1	23.4 m	24 m	9 m	1800 kW/m2	477.8 °C	451.0 °C
41	1	1	23.4 m	16 m	5 m	2400 kW/m2	893.8 °C	834.6 °C
42	1	1	23.4 m	16 m	5 m	1800 kW/m2	741.8 °C	728.5 °C
43	0	1	23.4 m	16 m	5 m	2400 kW/m2	873.7 °C	882.3 °C
44	0	1	23.4 m	16 m	5 m	1800 kW/m2	739.1 °C	776.2 °C
45	1	1	23.4 m	16 m	9 m	2400 kW/m2	733.2 °C	621.6 °C
46	1	1	23.4 m	16 m	9 m	1800 kW/m2	553.6 °C	515.5 °C
47	0	1	23.4 m	16 m	9 m	2400 kW/m2	684.8 °C	669.3 °C
48	0	1	23.4 m	16 m	9 m	1800 kW/m2	534.5 °C	563.2 °C
49	1	1	13.0 m	24 m	5 m	2400 kW/m2	662.9 °C	644.6 °C
50	1	1	13.0 m	24 m	5 m	1800 kW/m2	500.6 °C	538.5 °C
51	0	1	13.0 m	24 m	5 m	2400 kW/m2	716.4 °C	770.1 °C
52	0	1	13.0 m	24 m	5 m	1800 kW/m2	624.9 °C	664.0 °C
53	1	1	13.0 m	24 m	9 m	2400 kW/m2	317.9 °C	431.6 °C
54	1	1	13.0 m	24 m	9 m	1800 kW/m2	268.9 °C	325.5 °C
55	0	1	13.0 m	24 m	9 m	2400 kW/m2	605.5 °C	557.2 °C
56	0	1	13.0 m	24 m	9 m	1800 kW/m2	483.8 °C	451.0 °C
57	1	1	13.0 m	16 m	5 m	2400 kW/m2	877.3 °C	756.8 °C
58	1	1	13.0 m	16 m	5 m	1800 kW/m2	709.3 °C	650.7 °C
59	0	1	13.0 m	16 m	5 m	2400 kW/m2	894.8 °C	882.3 °C
60	0	1	13.0 m	16 m	5 m	1800 kW/m2	770.2 °C	776.2 °C
61	1	1	13.0 m	16 m	9 m	2400 kW/m2	406.6 °C	543.8 °C
62	1	1	13.0 m	16 m	9 m	1800 kW/m2	388.8 °C	437.7 °C
63	0	1	13.0 m	16 m	9 m	2400 kW/m2	706.9 °C	669.3 °C
64	0	1	13.0 m	16 m	9 m	1800 kW/m2	534.9 °C	563.2 °C



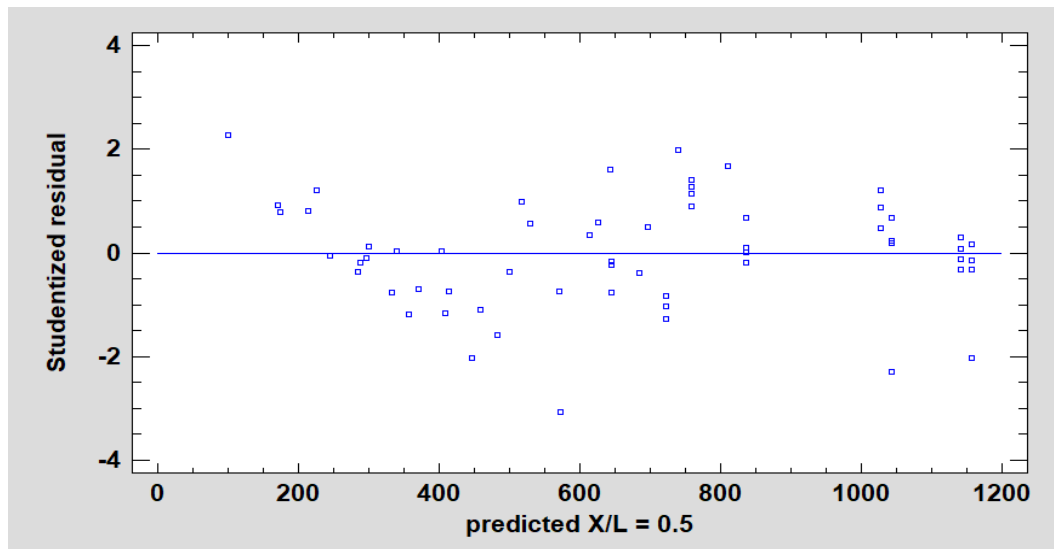
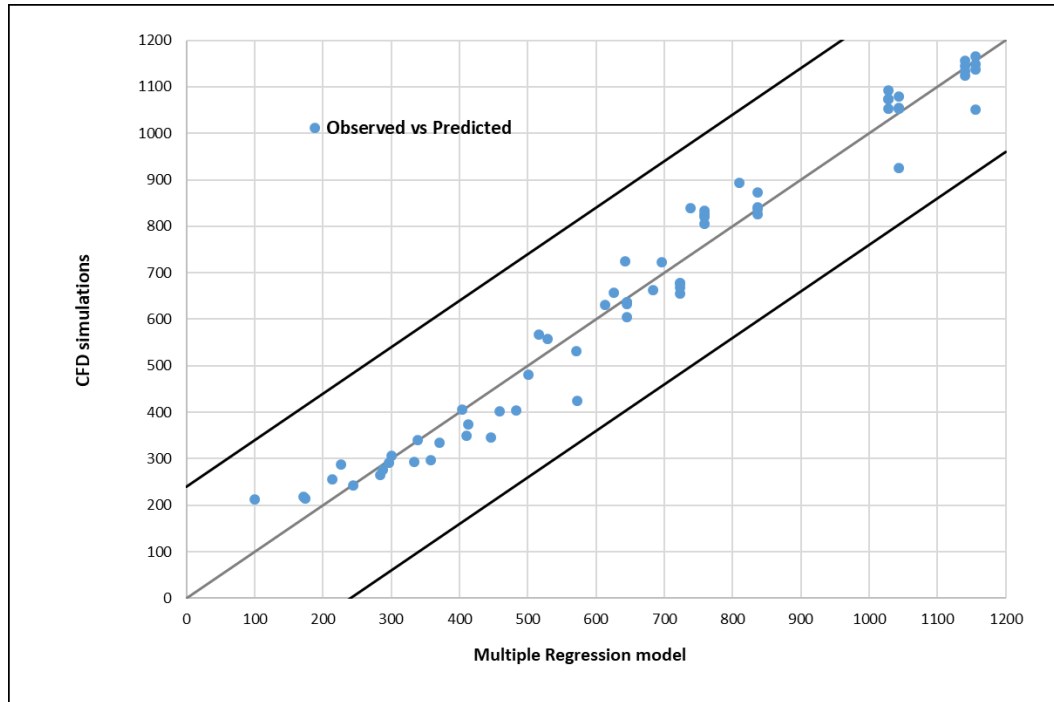
Model	Observed	Predicted	Residual	Studentized Res.
22	175.3 °C	68.8 °C	106.5 °C	2.32
45	733.2 °C	621.6 °C	111.6 °C	2.45
53	317.9 °C	431.6 °C	-113.8 °C	-2.5
57	877.3 °C	756.8 °C	120.6 °C	2.67
61	406.6 °C	543.8 °C	-137.2 °C	-3.1

X/L = 0.5 - BOTTOM FLANGE

Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
1	1	0	23.4 m	24 m	5 m	2400 kW/m2	297.1 °C	357.9 °C
2	1	0	23.4 m	24 m	5 m	1800 kW/m2	241.8 °C	244.9 °C
3	0	0	23.4 m	24 m	5 m	2400 kW/m2	1123.9 °C	1140.6 °C
4	0	0	23.4 m	24 m	5 m	1800 kW/m2	1053.4 °C	1027.6 °C
5	1	0	23.4 m	24 m	9 m	2400 kW/m2	264.7 °C	284.0 °C
6	1	0	23.4 m	24 m	9 m	1800 kW/m2	218.5 °C	170.9 °C
7	0	0	23.4 m	24 m	9 m	2400 kW/m2	826.4 °C	836.0 °C
8	0	0	23.4 m	24 m	9 m	1800 kW/m2	654.8 °C	723.0 °C
9	1	0	23.4 m	16 m	5 m	2400 kW/m2	403.3 °C	483.6 °C
10	1	0	23.4 m	16 m	5 m	1800 kW/m2	335.0 °C	370.5 °C
11	0	0	23.4 m	16 m	5 m	2400 kW/m2	1145.3 °C	1140.6 °C
12	0	0	23.4 m	16 m	5 m	1800 kW/m2	1074.5 °C	1027.6 °C
13	1	0	23.4 m	16 m	9 m	2400 kW/m2	350.4 °C	409.6 °C
14	1	0	23.4 m	16 m	9 m	1800 kW/m2	291.9 °C	296.6 °C
15	0	0	23.4 m	16 m	9 m	2400 kW/m2	841.4 °C	836.0 °C
16	0	0	23.4 m	16 m	9 m	1800 kW/m2	678.2 °C	723.0 °C
17	1	0	13.0 m	24 m	5 m	2400 kW/m2	277.3 °C	287.5 °C
18	1	0	13.0 m	24 m	5 m	1800 kW/m2	215.3 °C	174.4 °C
19	0	0	13.0 m	24 m	5 m	2400 kW/m2	1133.6 °C	1140.6 °C
20	0	0	13.0 m	24 m	5 m	1800 kW/m2	1074.4 °C	1027.6 °C
21	1	0	13.0 m	24 m	9 m	2400 kW/m2	255.1 °C	213.5 °C
22	1	0	13.0 m	24 m	9 m	1800 kW/m2	212.7 °C	100.5 °C
23	0	0	13.0 m	24 m	9 m	2400 kW/m2	836.8 °C	836.0 °C
24	0	0	13.0 m	24 m	9 m	1800 kW/m2	667.6 °C	723.0 °C
25	1	0	13.0 m	16 m	5 m	2400 kW/m2	374.4 °C	413.1 °C
26	1	0	13.0 m	16 m	5 m	1800 kW/m2	306.8 °C	300.1 °C
27	0	0	13.0 m	16 m	5 m	2400 kW/m2	1156.4 °C	1140.6 °C
28	0	0	13.0 m	16 m	5 m	1800 kW/m2	1092.0 °C	1027.6 °C
29	1	0	13.0 m	16 m	9 m	2400 kW/m2	340.7 °C	339.2 °C
30	1	0	13.0 m	16 m	9 m	1800 kW/m2	287.5 °C	226.1 °C
31	0	0	13.0 m	16 m	9 m	2400 kW/m2	872.0 °C	836.0 °C
32	0	0	13.0 m	16 m	9 m	1800 kW/m2	678.0 °C	723.0 °C
33	1	1	23.4 m	24 m	5 m	2400 kW/m2	663.3 °C	683.8 °C
34	1	1	23.4 m	24 m	5 m	1800 kW/m2	531.9 °C	570.7 °C
35	0	1	23.4 m	24 m	5 m	2400 kW/m2	1148.6 °C	1156.0 °C
36	0	1	23.4 m	24 m	5 m	1800 kW/m2	1055.5 °C	1042.9 °C
37	1	1	23.4 m	24 m	9 m	2400 kW/m2	567.8 °C	516.7 °C



Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
38	1	1	23.4 m	24 m	9 m	1800 kW/m ²	405.4 °C	403.7 °C
39	0	1	23.4 m	24 m	9 m	2400 kW/m ²	826.1 °C	758.3 °C
40	0	1	23.4 m	24 m	9 m	1800 kW/m ²	636.8 °C	645.3 °C
41	1	1	23.4 m	16 m	5 m	2400 kW/m ²	894.1 °C	809.4 °C
42	1	1	23.4 m	16 m	5 m	1800 kW/m ²	722.6 °C	696.4 °C
43	0	1	23.4 m	16 m	5 m	2400 kW/m ²	1050.6 °C	1156.0 °C
44	0	1	23.4 m	16 m	5 m	1800 kW/m ²	924.6 °C	1042.9 °C
45	1	1	23.4 m	16 m	9 m	2400 kW/m ²	724.2 °C	642.4 °C
46	1	1	23.4 m	16 m	9 m	1800 kW/m ²	558.5 °C	529.3 °C
47	0	1	23.4 m	16 m	9 m	2400 kW/m ²	806.2 °C	758.3 °C
48	0	1	23.4 m	16 m	9 m	1800 kW/m ²	604.5 °C	645.3 °C
49	1	1	13.0 m	24 m	5 m	2400 kW/m ²	631.0 °C	613.3 °C
50	1	1	13.0 m	24 m	5 m	1800 kW/m ²	481.3 °C	500.2 °C
51	0	1	13.0 m	24 m	5 m	2400 kW/m ²	1165.5 °C	1156.0 °C
52	0	1	13.0 m	24 m	5 m	1800 kW/m ²	1078.7 °C	1042.9 °C
53	1	1	13.0 m	24 m	9 m	2400 kW/m ²	345.1 °C	446.3 °C
54	1	1	13.0 m	24 m	9 m	1800 kW/m ²	293.2 °C	333.2 °C
55	0	1	13.0 m	24 m	9 m	2400 kW/m ²	819.6 °C	758.3 °C
56	0	1	13.0 m	24 m	9 m	1800 kW/m ²	636.4 °C	645.3 °C
57	1	1	13.0 m	16 m	5 m	2400 kW/m ²	838.6 °C	739.0 °C
58	1	1	13.0 m	16 m	5 m	1800 kW/m ²	656.8 °C	625.9 °C
59	0	1	13.0 m	16 m	5 m	2400 kW/m ²	1138.2 °C	1156.0 °C
60	0	1	13.0 m	16 m	5 m	1800 kW/m ²	1053.1 °C	1042.9 °C
61	1	1	13.0 m	16 m	9 m	2400 kW/m ²	424.9 °C	571.9 °C
62	1	1	13.0 m	16 m	9 m	1800 kW/m ²	402.6 °C	458.9 °C
63	0	1	13.0 m	16 m	9 m	2400 kW/m ²	832.7 °C	758.3 °C
64	0	1	13.0 m	16 m	9 m	1800 kW/m ²	633.0 °C	645.3 °C



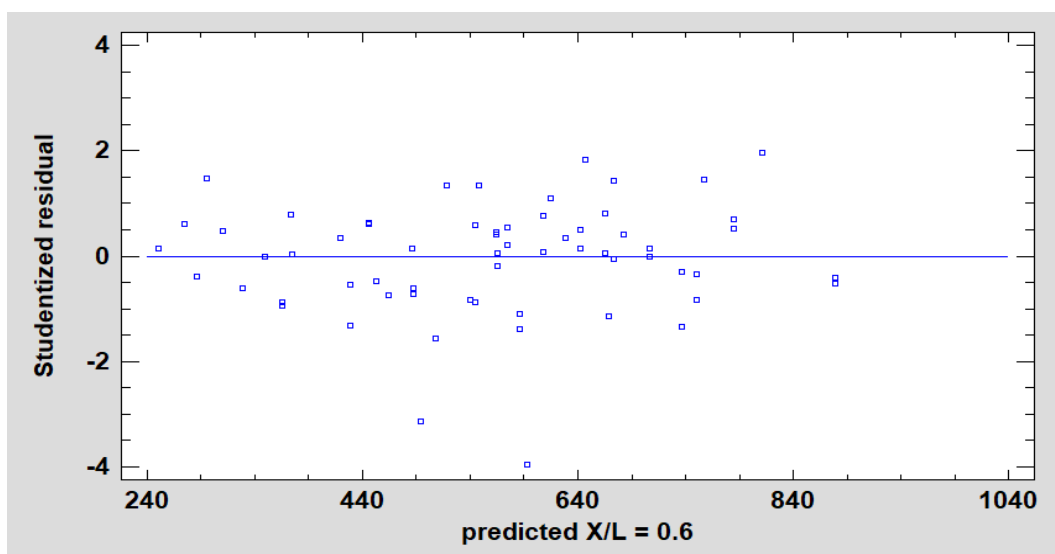
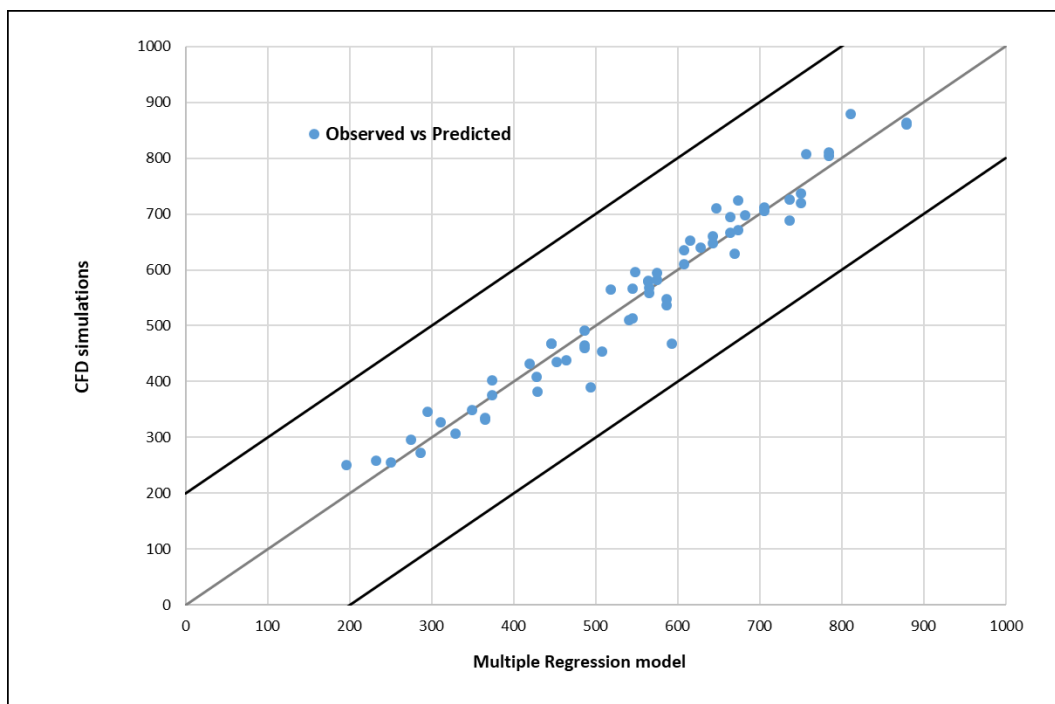
Model	Observed	Predicted	Residual	Studentized Res.
22	212.7 °C	100.5 °C	112.2 °C	2.27
43	1050.6 °C	1156.0 °C	-105.4 °C	-2.03
44	924.6 °C	1042.9 °C	-118.3 °C	-2.31
53	345.1 °C	446.3 °C	-101.2 °C	-2.03
61	424.9 °C	571.9 °C	-147.1 °C	-3.08

X/L = 0.6 - BOTTOM FLANGE

Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
1	1	0	23.4 m	24 m	5 m	2400 kW/m ²	334.6 °C	365.1 °C
2	1	0	23.4 m	24 m	5 m	1800 kW/m ²	272.3 °C	286.5 °C
3	0	0	23.4 m	24 m	5 m	2400 kW/m ²	647.7 °C	642.5 °C
4	0	0	23.4 m	24 m	5 m	1800 kW/m ²	580.4 °C	563.8 °C
5	1	0	23.4 m	24 m	9 m	2400 kW/m ²	307.7 °C	329.2 °C
6	1	0	23.4 m	24 m	9 m	1800 kW/m ²	255.6 °C	250.5 °C
7	0	0	23.4 m	24 m	9 m	2400 kW/m ²	558.4 °C	565.6 °C
8	0	0	23.4 m	24 m	9 m	1800 kW/m ²	460.8 °C	487.0 °C
9	1	0	23.4 m	16 m	5 m	2400 kW/m ²	453.3 °C	507.4 °C
10	1	0	23.4 m	16 m	5 m	1800 kW/m ²	382.1 °C	428.7 °C
11	0	0	23.4 m	16 m	5 m	2400 kW/m ²	803.9 °C	784.8 °C
12	0	0	23.4 m	16 m	5 m	1800 kW/m ²	706.1 °C	706.1 °C
13	1	0	23.4 m	16 m	9 m	2400 kW/m ²	409.0 °C	428.3 °C
14	1	0	23.4 m	16 m	9 m	1800 kW/m ²	349.0 °C	349.6 °C
15	0	0	23.4 m	16 m	9 m	2400 kW/m ²	666.5 °C	664.7 °C
16	0	0	23.4 m	16 m	9 m	1800 kW/m ²	536.7 °C	586.1 °C
17	1	0	13.0 m	24 m	5 m	2400 kW/m ²	327.6 °C	310.7 °C
18	1	0	13.0 m	24 m	5 m	1800 kW/m ²	258.6 °C	232.0 °C
19	0	0	13.0 m	24 m	5 m	2400 kW/m ²	660.8 °C	642.5 °C
20	0	0	13.0 m	24 m	5 m	1800 kW/m ²	579.0 °C	563.8 °C
21	1	0	13.0 m	24 m	9 m	2400 kW/m ²	296.3 °C	274.8 °C
22	1	0	13.0 m	24 m	9 m	1800 kW/m ²	250.0 °C	196.1 °C
23	0	0	13.0 m	24 m	9 m	2400 kW/m ²	567.9 °C	565.6 °C
24	0	0	13.0 m	24 m	9 m	1800 kW/m ²	464.7 °C	487.0 °C
25	1	0	13.0 m	16 m	5 m	2400 kW/m ²	435.8 °C	453.0 °C
26	1	0	13.0 m	16 m	5 m	1800 kW/m ²	375.3 °C	374.3 °C
27	0	0	13.0 m	16 m	5 m	2400 kW/m ²	809.8 °C	784.8 °C
28	0	0	13.0 m	16 m	5 m	1800 kW/m ²	711.7 °C	706.1 °C
29	1	0	13.0 m	16 m	9 m	2400 kW/m ²	402.3 °C	373.9 °C
30	1	0	13.0 m	16 m	9 m	1800 kW/m ²	346.1 °C	295.2 °C
31	0	0	13.0 m	16 m	9 m	2400 kW/m ²	694.1 °C	664.7 °C
32	0	0	13.0 m	16 m	9 m	1800 kW/m ²	547.1 °C	586.1 °C
33	1	1	23.4 m	24 m	5 m	2400 kW/m ²	629.5 °C	669.2 °C
34	1	1	23.4 m	24 m	5 m	1800 kW/m ²	510.8 °C	540.5 °C
35	0	1	23.4 m	24 m	5 m	2400 kW/m ²	725.4 °C	736.4 °C
36	0	1	23.4 m	24 m	5 m	1800 kW/m ²	635.7 °C	607.7 °C
37	1	1	23.4 m	24 m	9 m	2400 kW/m ²	595.7 °C	548.3 °C



Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
38	1	1	23.4 m	24 m	9 m	1800 kW/m ²	431.5 °C	419.5 °C
39	0	1	23.4 m	24 m	9 m	2400 kW/m ²	582.2 °C	574.5 °C
40	0	1	23.4 m	24 m	9 m	1800 kW/m ²	468.0 °C	445.8 °C
41	1	1	23.4 m	16 m	5 m	2400 kW/m ²	878.6 °C	811.5 °C
42	1	1	23.4 m	16 m	5 m	1800 kW/m ²	697.2 °C	682.7 °C
43	0	1	23.4 m	16 m	5 m	2400 kW/m ²	859.7 °C	878.7 °C
44	0	1	23.4 m	16 m	5 m	1800 kW/m ²	719.9 °C	750.0 °C
45	1	1	23.4 m	16 m	9 m	2400 kW/m ²	710.9 °C	647.4 °C
46	1	1	23.4 m	16 m	9 m	1800 kW/m ²	565.4 °C	518.6 °C
47	0	1	23.4 m	16 m	9 m	2400 kW/m ²	671.6 °C	673.6 °C
48	0	1	23.4 m	16 m	9 m	1800 kW/m ²	513.2 °C	544.9 °C
49	1	1	13.0 m	24 m	5 m	2400 kW/m ²	653.1 °C	614.8 °C
50	1	1	13.0 m	24 m	5 m	1800 kW/m ²	491.1 °C	486.1 °C
51	0	1	13.0 m	24 m	5 m	2400 kW/m ²	688.7 °C	736.4 °C
52	0	1	13.0 m	24 m	5 m	1800 kW/m ²	610.6 °C	607.7 °C
53	1	1	13.0 m	24 m	9 m	2400 kW/m ²	390.5 °C	493.9 °C
54	1	1	13.0 m	24 m	9 m	1800 kW/m ²	331.7 °C	365.1 °C
55	0	1	13.0 m	24 m	9 m	2400 kW/m ²	594.2 °C	574.5 °C
56	0	1	13.0 m	24 m	9 m	1800 kW/m ²	468.3 °C	445.8 °C
57	1	1	13.0 m	16 m	5 m	2400 kW/m ²	807.2 °C	757.0 °C
58	1	1	13.0 m	16 m	5 m	1800 kW/m ²	640.6 °C	628.3 °C
59	0	1	13.0 m	16 m	5 m	2400 kW/m ²	863.9 °C	878.7 °C
60	0	1	13.0 m	16 m	5 m	1800 kW/m ²	737.0 °C	750.0 °C
61	1	1	13.0 m	16 m	9 m	2400 kW/m ²	467.9 °C	592.9 °C
62	1	1	13.0 m	16 m	9 m	1800 kW/m ²	438.3 °C	464.2 °C
63	0	1	13.0 m	16 m	9 m	2400 kW/m ²	724.5 °C	673.6 °C
64	0	1	13.0 m	16 m	9 m	1800 kW/m ²	566.3 °C	544.9 °C



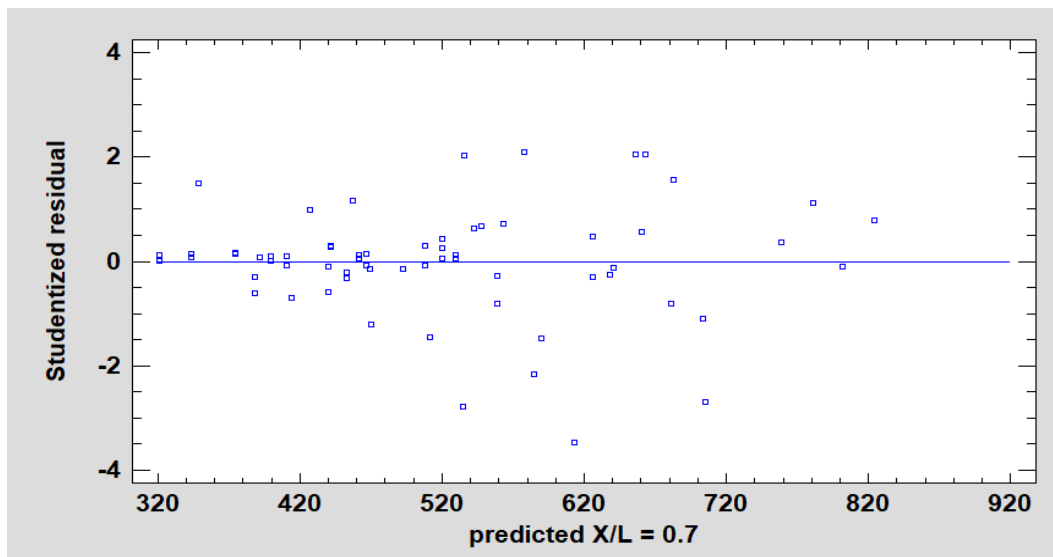
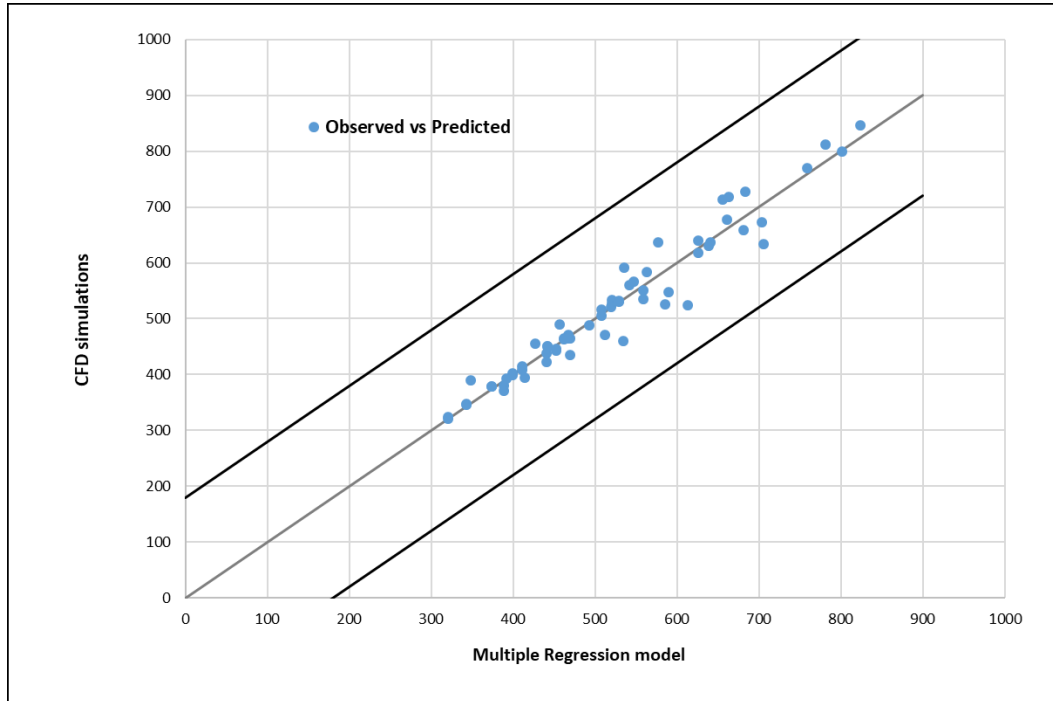
Model	Observed	Predicted	Residual	Studentized Res.
53	390.5 °C	493.9 °C	-103.3 °C	-3.14
61	468.0 °C	592.9 °C	-125.0 °C	-3.97

X/L = 0.7 - BOTTOM FLANGE

Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
1	1	0	23.4 m	24 m	5 m	2400 kW/m2	414.0 °C	411.0 °C
2	1	0	23.4 m	24 m	5 m	1800 kW/m2	347.6 °C	343.3 °C
3	0	0	23.4 m	24 m	5 m	2400 kW/m2	516.8 °C	508.0 °C
4	0	0	23.4 m	24 m	5 m	1800 kW/m2	437.6 °C	440.3 °C
5	1	0	23.4 m	24 m	9 m	2400 kW/m2	379.9 °C	388.4 °C
6	1	0	23.4 m	24 m	9 m	1800 kW/m2	324.2 °C	320.7 °C
7	0	0	23.4 m	24 m	9 m	2400 kW/m2	450.6 °C	442.0 °C
8	0	0	23.4 m	24 m	9 m	1800 kW/m2	379.2 °C	374.3 °C
9	1	0	23.4 m	16 m	5 m	2400 kW/m2	532.7 °C	529.4 °C
10	1	0	23.4 m	16 m	5 m	1800 kW/m2	463.6 °C	461.7 °C
11	0	0	23.4 m	16 m	5 m	2400 kW/m2	640.3 °C	626.4 °C
12	0	0	23.4 m	16 m	5 m	1800 kW/m2	550.8 °C	558.7 °C
13	1	0	23.4 m	16 m	9 m	2400 kW/m2	470.9 °C	466.9 °C
14	1	0	23.4 m	16 m	9 m	1800 kW/m2	401.9 °C	399.2 °C
15	0	0	23.4 m	16 m	9 m	2400 kW/m2	527.6 °C	520.5 °C
16	0	0	23.4 m	16 m	9 m	1800 kW/m2	443.2 °C	452.8 °C
17	1	0	13.0 m	24 m	5 m	2400 kW/m2	408.5 °C	411.0 °C
18	1	0	13.0 m	24 m	5 m	1800 kW/m2	345.9 °C	343.3 °C
19	0	0	13.0 m	24 m	5 m	2400 kW/m2	505.8 °C	508.0 °C
20	0	0	13.0 m	24 m	5 m	1800 kW/m2	423.3 °C	440.3 °C
21	1	0	13.0 m	24 m	9 m	2400 kW/m2	370.8 °C	388.4 °C
22	1	0	13.0 m	24 m	9 m	1800 kW/m2	320.8 °C	320.7 °C
23	0	0	13.0 m	24 m	9 m	2400 kW/m2	450.3 °C	442.0 °C
24	0	0	13.0 m	24 m	9 m	1800 kW/m2	378.3 °C	374.3 °C
25	1	0	13.0 m	16 m	5 m	2400 kW/m2	530.8 °C	529.4 °C
26	1	0	13.0 m	16 m	5 m	1800 kW/m2	465.3 °C	461.7 °C
27	0	0	13.0 m	16 m	5 m	2400 kW/m2	617.5 °C	626.4 °C
28	0	0	13.0 m	16 m	5 m	1800 kW/m2	534.8 °C	558.7 °C
29	1	0	13.0 m	16 m	9 m	2400 kW/m2	464.9 °C	466.9 °C
30	1	0	13.0 m	16 m	9 m	1800 kW/m2	399.5 °C	399.2 °C
31	0	0	13.0 m	16 m	9 m	2400 kW/m2	533.0 °C	520.5 °C
32	0	0	13.0 m	16 m	9 m	1800 kW/m2	446.7 °C	452.8 °C
33	1	1	23.4 m	24 m	5 m	2400 kW/m2	633.5 °C	705.5 °C
34	1	1	23.4 m	24 m	5 m	1800 kW/m2	525.7 °C	585.1 °C
35	0	1	23.4 m	24 m	5 m	2400 kW/m2	726.7 °C	683.2 °C
36	0	1	23.4 m	24 m	5 m	1800 kW/m2	583.4 °C	562.8 °C
37	1	1	23.4 m	24 m	9 m	2400 kW/m2	636.2 °C	577.5 °C



Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
38	1	1	23.4 m	24 m	9 m	1800 kW/m ²	490.0 °C	457.1 °C
39	0	1	23.4 m	24 m	9 m	2400 kW/m ²	470.5 °C	511.8 °C
40	0	1	23.4 m	24 m	9 m	1800 kW/m ²	393.4 °C	391.4 °C
41	1	1	23.4 m	16 m	5 m	2400 kW/m ²	846.2 °C	823.9 °C
42	1	1	23.4 m	16 m	5 m	1800 kW/m ²	672.4 °C	703.5 °C
43	0	1	23.4 m	16 m	5 m	2400 kW/m ²	799.0 °C	801.6 °C
44	0	1	23.4 m	16 m	5 m	1800 kW/m ²	657.9 °C	681.2 °C
45	1	1	23.4 m	16 m	9 m	2400 kW/m ²	713.6 °C	656.0 °C
46	1	1	23.4 m	16 m	9 m	1800 kW/m ²	591.2 °C	535.6 °C
47	0	1	23.4 m	16 m	9 m	2400 kW/m ²	548.3 °C	590.3 °C
48	0	1	23.4 m	16 m	9 m	1800 kW/m ²	435.9 °C	469.8 °C
49	1	1	13.0 m	24 m	5 m	2400 kW/m ²	718.6 °C	662.7 °C
50	1	1	13.0 m	24 m	5 m	1800 kW/m ²	560.7 °C	542.3 °C
51	0	1	13.0 m	24 m	5 m	2400 kW/m ²	637.3 °C	640.5 °C
52	0	1	13.0 m	24 m	5 m	1800 kW/m ²	521.9 °C	520.1 °C
53	1	1	13.0 m	24 m	9 m	2400 kW/m ²	460.7 °C	534.8 °C
54	1	1	13.0 m	24 m	9 m	1800 kW/m ²	394.7 °C	414.3 °C
55	0	1	13.0 m	24 m	9 m	2400 kW/m ²	465.2 °C	469.0 °C
56	0	1	13.0 m	24 m	9 m	1800 kW/m ²	390.6 °C	348.6 °C
57	1	1	13.0 m	16 m	5 m	2400 kW/m ²	812.5 °C	781.1 °C
58	1	1	13.0 m	16 m	5 m	1800 kW/m ²	677.5 °C	660.7 °C
59	0	1	13.0 m	16 m	5 m	2400 kW/m ²	769.1 °C	758.9 °C
60	0	1	13.0 m	16 m	5 m	1800 kW/m ²	631.3 °C	638.5 °C
61	1	1	13.0 m	16 m	9 m	2400 kW/m ²	524.0 °C	613.2 °C
62	1	1	13.0 m	16 m	9 m	1800 kW/m ²	488.5 °C	492.8 °C
63	0	1	13.0 m	16 m	9 m	2400 kW/m ²	566.8 °C	547.5 °C
64	0	1	13.0 m	16 m	9 m	1800 kW/m ²	455.0 °C	427.1 °C



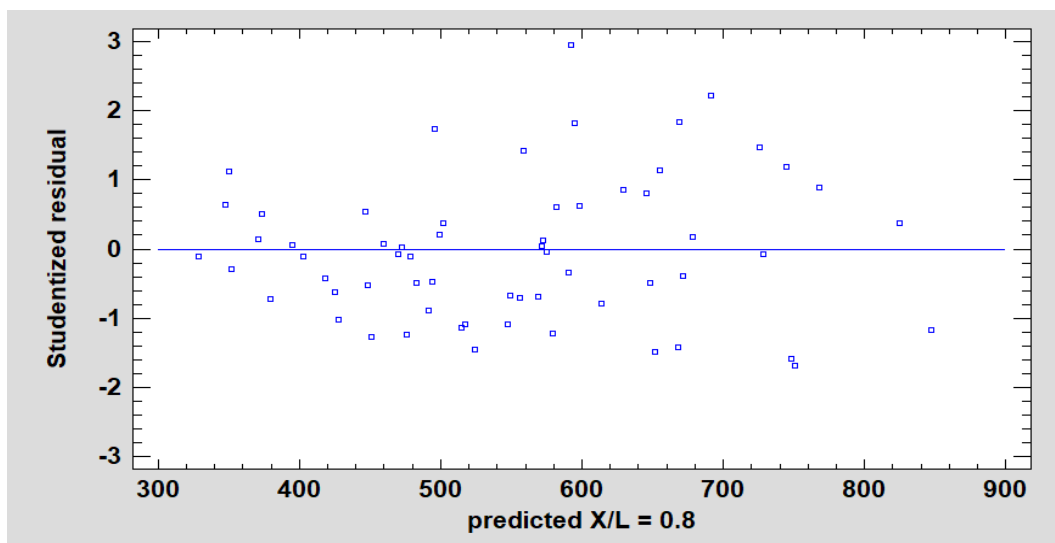
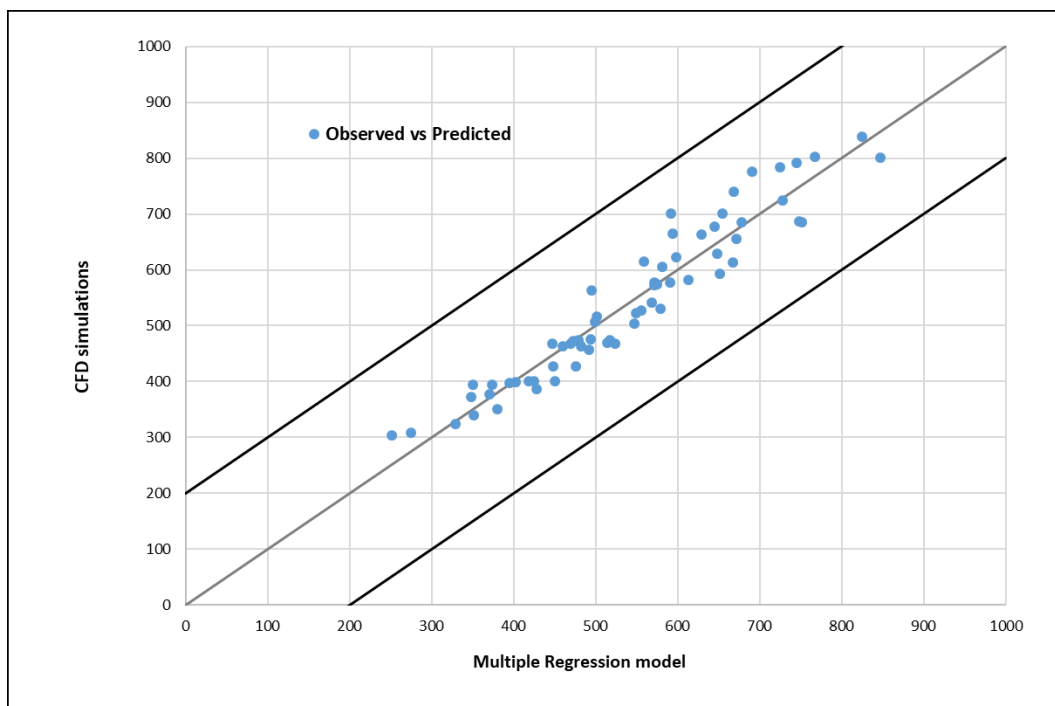
Model	Observed	Predicted	Residual	Studentized Res.
33	633.5 °C	705.5 °C	-72.0 °C	-2.69
34	525.7 °C	585.1 °C	-59.4 °C	-2.17
37	636.2 °C	577.5 °C	58.7 °C	2.1
45	713.6 °C	656.0 °C	57.6 °C	2.06
46	591.2 °C	535.6 °C	55.7 °C	2.04
49	718.6 °C	662.7 °C	55.8 °C	2.04
53	460.7 °C	534.8 °C	-74.0 °C	-2.78
61	524.0 °C	613.2 °C	-89.2 °C	-3.46

X/L = 0.8 - BOTTOM FLANGE

Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
1	1	0	23.4 m	24 m	5 m	2400 kW/m ²	530.8 °C	579.1 °C
2	1	0	23.4 m	24 m	5 m	1800 kW/m ²	462.7 °C	482.6 °C
3	0	0	23.4 m	24 m	5 m	2400 kW/m ²	507.6 °C	499.3 °C
4	0	0	23.4 m	24 m	5 m	1800 kW/m ²	398.6 °C	402.8 °C
5	1	0	23.4 m	24 m	9 m	2400 kW/m ²	469.7 °C	514.6 °C
6	1	0	23.4 m	24 m	9 m	1800 kW/m ²	401.2 °C	418.1 °C
7	0	0	23.4 m	24 m	9 m	2400 kW/m ²	376.8 °C	371.0 °C
8	0	0	23.4 m	24 m	9 m	1800 kW/m ²	308.9 °C	274.5 °C
9	1	0	23.4 m	16 m	5 m	2400 kW/m ²	685.3 °C	678.1 °C
10	1	0	23.4 m	16 m	5 m	1800 kW/m ²	606.0 °C	581.6 °C
11	0	0	23.4 m	16 m	5 m	2400 kW/m ²	623.5 °C	598.3 °C
12	0	0	23.4 m	16 m	5 m	1800 kW/m ²	516.8 °C	501.9 °C
13	1	0	23.4 m	16 m	9 m	2400 kW/m ²	582.2 °C	613.6 °C
14	1	0	23.4 m	16 m	9 m	1800 kW/m ²	474.4 °C	517.1 °C
15	0	0	23.4 m	16 m	9 m	2400 kW/m ²	467.3 °C	470.0 °C
16	0	0	23.4 m	16 m	9 m	1800 kW/m ²	393.8 °C	373.6 °C
17	1	0	13.0 m	24 m	5 m	2400 kW/m ²	528.1 °C	556.0 °C
18	1	0	13.0 m	24 m	5 m	1800 kW/m ²	462.5 °C	459.5 °C
19	0	0	13.0 m	24 m	5 m	2400 kW/m ²	427.4 °C	476.2 °C
20	0	0	13.0 m	24 m	5 m	1800 kW/m ²	351.1 °C	379.8 °C
21	1	0	13.0 m	24 m	9 m	2400 kW/m ²	456.5 °C	491.5 °C
22	1	0	13.0 m	24 m	9 m	1800 kW/m ²	397.1 °C	395.0 °C
23	0	0	13.0 m	24 m	9 m	2400 kW/m ²	373.3 °C	347.9 °C
24	0	0	13.0 m	24 m	9 m	1800 kW/m ²	303.8 °C	251.5 °C
25	1	0	13.0 m	16 m	5 m	2400 kW/m ²	700.1 °C	655.1 °C
26	1	0	13.0 m	16 m	5 m	1800 kW/m ²	614.3 °C	558.6 °C
27	0	0	13.0 m	16 m	5 m	2400 kW/m ²	573.5 °C	575.3 °C
28	0	0	13.0 m	16 m	5 m	1800 kW/m ²	474.5 °C	478.8 °C
29	1	0	13.0 m	16 m	9 m	2400 kW/m ²	577.2 °C	590.6 °C
30	1	0	13.0 m	16 m	9 m	1800 kW/m ²	475.1 °C	494.1 °C
31	0	0	13.0 m	16 m	9 m	2400 kW/m ²	468.3 °C	447.0 °C
32	0	0	13.0 m	16 m	9 m	1800 kW/m ²	394.9 °C	350.5 °C
33	1	1	23.4 m	24 m	5 m	2400 kW/m ²	686.0 °C	748.4 °C
34	1	1	23.4 m	24 m	5 m	1800 kW/m ²	593.5 °C	651.9 °C
35	0	1	23.4 m	24 m	5 m	2400 kW/m ²	740.2 °C	668.6 °C
36	0	1	23.4 m	24 m	5 m	1800 kW/m ²	577.4 °C	572.1 °C
37	1	1	23.4 m	24 m	9 m	2400 kW/m ²	700.9 °C	591.9 °C



Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
38	1	1	23.4 m	24 m	9 m	1800 kW/m2	562.7 °C	495.4 °C
39	0	1	23.4 m	24 m	9 m	2400 kW/m2	427.8 °C	448.3 °C
40	0	1	23.4 m	24 m	9 m	1800 kW/m2	340.4 °C	351.8 °C
41	1	1	23.4 m	16 m	5 m	2400 kW/m2	801.2 °C	847.5 °C
42	1	1	23.4 m	16 m	5 m	1800 kW/m2	684.9 °C	751.0 °C
43	0	1	23.4 m	16 m	5 m	2400 kW/m2	803.0 °C	767.7 °C
44	0	1	23.4 m	16 m	5 m	1800 kW/m2	655.7 °C	671.2 °C
45	1	1	23.4 m	16 m	9 m	2400 kW/m2	775.6 °C	690.9 °C
46	1	1	23.4 m	16 m	9 m	1800 kW/m2	665.0 °C	594.4 °C
47	0	1	23.4 m	16 m	9 m	2400 kW/m2	504.6 °C	547.4 °C
48	0	1	23.4 m	16 m	9 m	1800 kW/m2	400.9 °C	450.9 °C
49	1	1	13.0 m	24 m	5 m	2400 kW/m2	783.4 °C	725.4 °C
50	1	1	13.0 m	24 m	5 m	1800 kW/m2	663.3 °C	628.9 °C
51	0	1	13.0 m	24 m	5 m	2400 kW/m2	677.9 °C	645.6 °C
52	0	1	13.0 m	24 m	5 m	1800 kW/m2	522.4 °C	549.1 °C
53	1	1	13.0 m	24 m	9 m	2400 kW/m2	541.3 °C	568.8 °C
54	1	1	13.0 m	24 m	9 m	1800 kW/m2	473.1 °C	472.3 °C
55	0	1	13.0 m	24 m	9 m	2400 kW/m2	400.5 °C	425.3 °C
56	0	1	13.0 m	24 m	9 m	1800 kW/m2	324.5 °C	328.8 °C
57	1	1	13.0 m	16 m	5 m	2400 kW/m2	839.1 °C	824.4 °C
58	1	1	13.0 m	16 m	5 m	1800 kW/m2	724.7 °C	727.9 °C
59	0	1	13.0 m	16 m	5 m	2400 kW/m2	791.5 °C	744.7 °C
60	0	1	13.0 m	16 m	5 m	1800 kW/m2	628.3 °C	648.2 °C
61	1	1	13.0 m	16 m	9 m	2400 kW/m2	612.6 °C	667.9 °C
62	1	1	13.0 m	16 m	9 m	1800 kW/m2	572.9 °C	571.4 °C
63	0	1	13.0 m	16 m	9 m	2400 kW/m2	467.4 °C	524.3 °C
64	0	1	13.0 m	16 m	9 m	1800 kW/m2	387.3 °C	427.8 °C



Model	Observed	Predicted	Residual	Studentized Res.
37	700.9 °C	591.9 °C	109.1 °C	2.96
45	775.6 °C	690.9 °C	84.6 °C	2.22

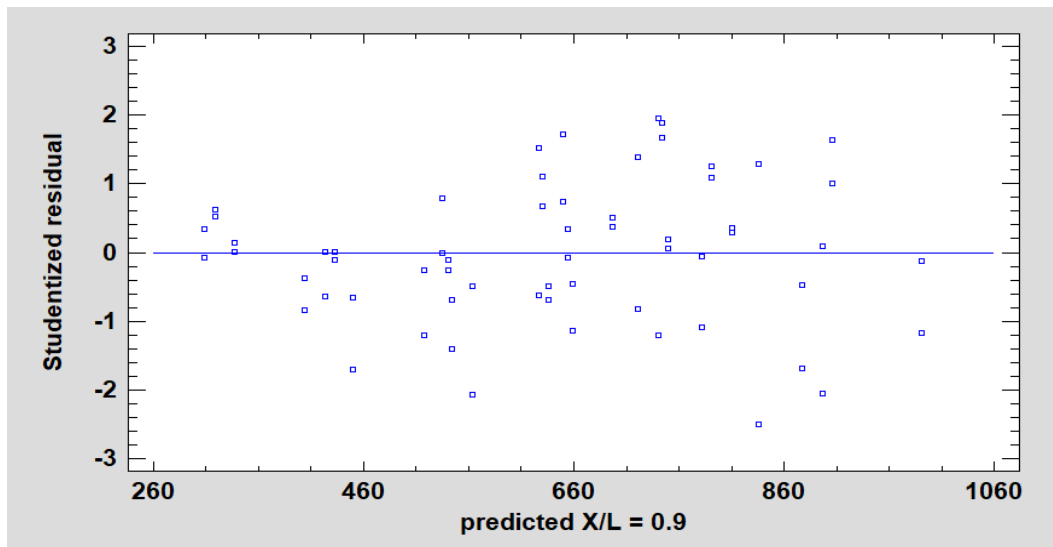
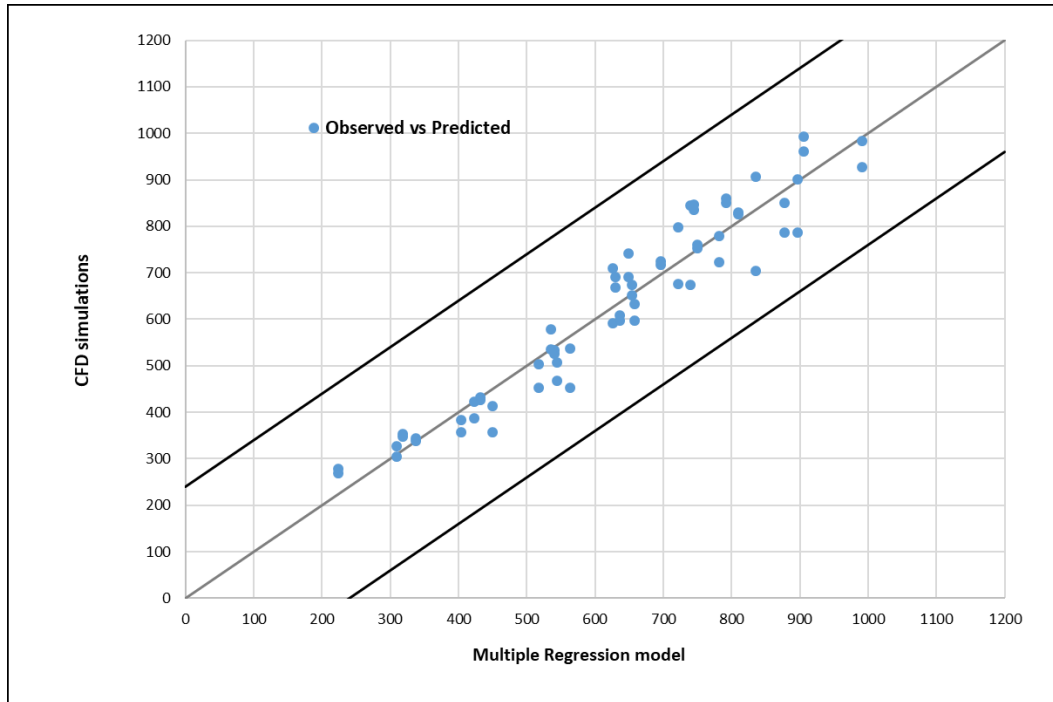


X/L = 0.9 - BOTTOM FLANGE

Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
1	1	0	23.4 m	24 m	5 m	2400 kW/m2	830.4 °C	810.3 °C
2	1	0	23.4 m	24 m	5 m	1800 kW/m2	717.3 °C	696.3 °C
3	0	0	23.4 m	24 m	5 m	2400 kW/m2	536.7 °C	563.4 °C
4	0	0	23.4 m	24 m	5 m	1800 kW/m2	413.0 °C	449.4 °C
5	1	0	23.4 m	24 m	9 m	2400 kW/m2	673.6 °C	654.4 °C
6	1	0	23.4 m	24 m	9 m	1800 kW/m2	534.2 °C	540.5 °C
7	0	0	23.4 m	24 m	9 m	2400 kW/m2	344.6 °C	337.2 °C
8	0	0	23.4 m	24 m	9 m	1800 kW/m2	278.9 °C	223.2 °C
9	1	0	23.4 m	16 m	5 m	2400 kW/m2	960.3 °C	905.4 °C
10	1	0	23.4 m	16 m	5 m	1800 kW/m2	851.0 °C	791.5 °C
11	0	0	23.4 m	16 m	5 m	2400 kW/m2	633.1 °C	658.5 °C
12	0	0	23.4 m	16 m	5 m	1800 kW/m2	506.5 °C	544.5 °C
13	1	0	23.4 m	16 m	9 m	2400 kW/m2	752.4 °C	749.6 °C
14	1	0	23.4 m	16 m	9 m	1800 kW/m2	597.9 °C	635.6 °C
15	0	0	23.4 m	16 m	9 m	2400 kW/m2	426.6 °C	432.3 °C
16	0	0	23.4 m	16 m	9 m	1800 kW/m2	347.5 °C	318.4 °C
17	1	0	13.0 m	24 m	5 m	2400 kW/m2	826.7 °C	810.3 °C
18	1	0	13.0 m	24 m	5 m	1800 kW/m2	724.3 °C	696.3 °C
19	0	0	13.0 m	24 m	5 m	2400 kW/m2	452.9 °C	563.4 °C
20	0	0	13.0 m	24 m	5 m	1800 kW/m2	357.4 °C	449.4 °C
21	1	0	13.0 m	24 m	9 m	2400 kW/m2	650.6 °C	654.4 °C
22	1	0	13.0 m	24 m	9 m	1800 kW/m2	526.2 °C	540.5 °C
23	0	0	13.0 m	24 m	9 m	2400 kW/m2	337.9 °C	337.2 °C
24	0	0	13.0 m	24 m	9 m	1800 kW/m2	268.6 °C	223.2 °C
25	1	0	13.0 m	16 m	5 m	2400 kW/m2	993.8 °C	905.4 °C
26	1	0	13.0 m	16 m	5 m	1800 kW/m2	860.4 °C	791.5 °C
27	0	0	13.0 m	16 m	5 m	2400 kW/m2	596.3 °C	658.5 °C
28	0	0	13.0 m	16 m	5 m	1800 kW/m2	467.6 °C	544.5 °C
29	1	0	13.0 m	16 m	9 m	2400 kW/m2	760.2 °C	749.6 °C
30	1	0	13.0 m	16 m	9 m	1800 kW/m2	608.1 °C	635.6 °C
31	0	0	13.0 m	16 m	9 m	2400 kW/m2	432.8 °C	432.3 °C
32	0	0	13.0 m	16 m	9 m	1800 kW/m2	353.1 °C	318.4 °C
33	1	1	23.4 m	24 m	5 m	2400 kW/m2	786.0 °C	896.0 °C
34	1	1	23.4 m	24 m	5 m	1800 kW/m2	722.0 °C	782.1 °C
35	0	1	23.4 m	24 m	5 m	2400 kW/m2	742.4 °C	649.1 °C
36	0	1	23.4 m	24 m	5 m	1800 kW/m2	578.8 °C	535.1 °C
37	1	1	23.4 m	24 m	9 m	2400 kW/m2	845.3 °C	740.2 °C



Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
38	1	1	23.4 m	24 m	9 m	1800 kW/m ²	709.0 °C	626.2 °C
39	0	1	23.4 m	24 m	9 m	2400 kW/m ²	423.1 °C	422.9 °C
40	0	1	23.4 m	24 m	9 m	1800 kW/m ²	327.6 °C	309.0 °C
41	1	1	23.4 m	16 m	5 m	2400 kW/m ²	926.9 °C	991.2 °C
42	1	1	23.4 m	16 m	5 m	1800 kW/m ²	786.3 °C	877.2 °C
43	0	1	23.4 m	16 m	5 m	2400 kW/m ²	835.1 °C	744.3 °C
44	0	1	23.4 m	16 m	5 m	1800 kW/m ²	690.8 °C	630.3 °C
45	1	1	23.4 m	16 m	9 m	2400 kW/m ²	906.0 °C	835.4 °C
46	1	1	23.4 m	16 m	9 m	1800 kW/m ²	797.2 °C	721.4 °C
47	0	1	23.4 m	16 m	9 m	2400 kW/m ²	504.3 °C	518.1 °C
48	0	1	23.4 m	16 m	9 m	1800 kW/m ²	383.8 °C	404.1 °C
49	1	1	13.0 m	24 m	5 m	2400 kW/m ²	900.8 °C	896.0 °C
50	1	1	13.0 m	24 m	5 m	1800 kW/m ²	779.2 °C	782.1 °C
51	0	1	13.0 m	24 m	5 m	2400 kW/m ²	690.2 °C	649.1 °C
52	0	1	13.0 m	24 m	5 m	1800 kW/m ²	534.9 °C	535.1 °C
53	1	1	13.0 m	24 m	9 m	2400 kW/m ²	674.7 °C	740.2 °C
54	1	1	13.0 m	24 m	9 m	1800 kW/m ²	591.9 °C	626.2 °C
55	0	1	13.0 m	24 m	9 m	2400 kW/m ²	387.2 °C	422.9 °C
56	0	1	13.0 m	24 m	9 m	1800 kW/m ²	304.4 °C	309.0 °C
57	1	1	13.0 m	16 m	5 m	2400 kW/m ²	983.9 °C	991.2 °C
58	1	1	13.0 m	16 m	5 m	1800 kW/m ²	850.6 °C	877.2 °C
59	0	1	13.0 m	16 m	5 m	2400 kW/m ²	845.8 °C	744.3 °C
60	0	1	13.0 m	16 m	5 m	1800 kW/m ²	667.6 °C	630.3 °C
61	1	1	13.0 m	16 m	9 m	2400 kW/m ²	703.5 °C	835.4 °C
62	1	1	13.0 m	16 m	9 m	1800 kW/m ²	675.7 °C	721.4 °C
63	0	1	13.0 m	16 m	9 m	2400 kW/m ²	452.5 °C	518.1 °C
64	0	1	13.0 m	16 m	9 m	1800 kW/m ²	357.7 °C	404.1 °C



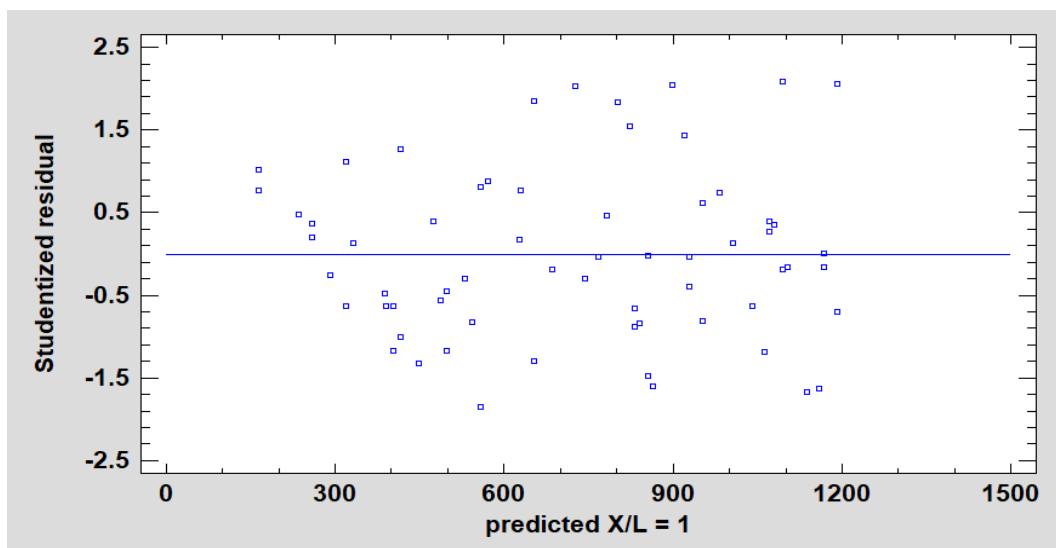
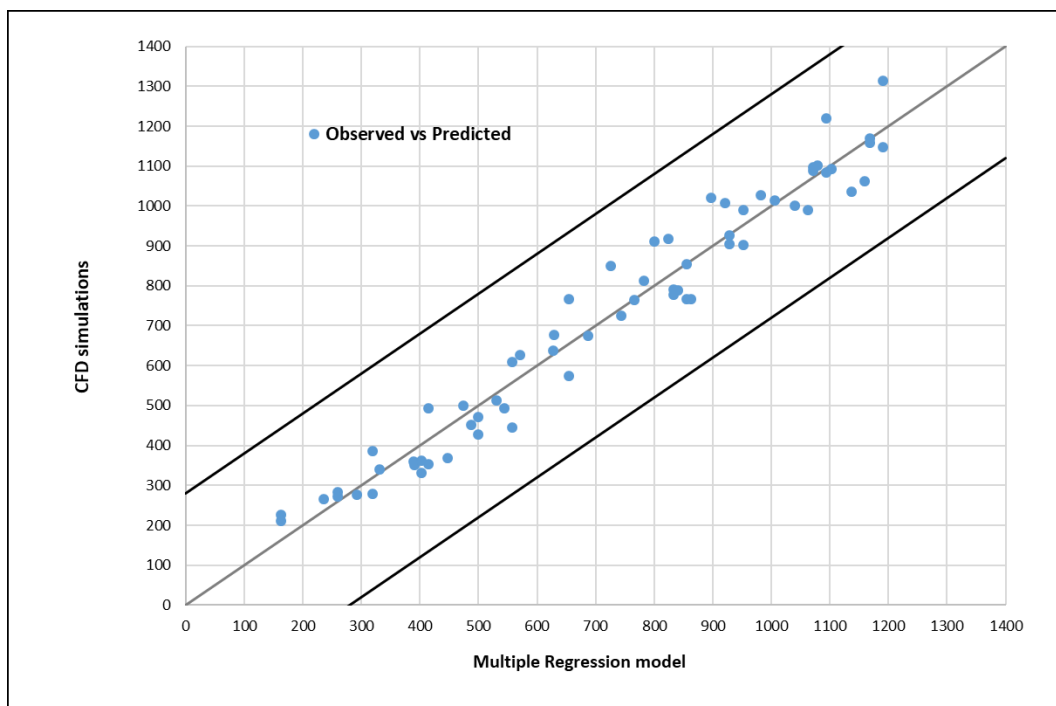
Model	Observed	Predicted	Residual	Studentized Res.
19	452.9 °C	563.4 °C	-110.4 °C	-2.07
33	786.0 °C	896.0 °C	-110.0 °C	-2.06
61	703.5 °C	835.4 °C	-131.9 °C	-2.51

X/L = 1 - BOTTOM FLANGE

Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
1	1	0	23.4 m	24 m	5 m	2400 kW/m ²	1158.0 °C	1168.1 °C
2	1	0	23.4 m	24 m	5 m	1800 kW/m ²	1088.4 °C	1071.4 °C
3	0	0	23.4 m	24 m	5 m	2400 kW/m ²	470.7 °C	499.1 °C
4	0	0	23.4 m	24 m	5 m	1800 kW/m ²	362.9 °C	402.4 °C
5	1	0	23.4 m	24 m	9 m	2400 kW/m ²	926.8 °C	929.2 °C
6	1	0	23.4 m	24 m	9 m	1800 kW/m ²	778.3 °C	832.5 °C
7	0	0	23.4 m	24 m	9 m	2400 kW/m ²	283.1 °C	260.1 °C
8	0	0	23.4 m	24 m	9 m	1800 kW/m ²	226.2 °C	163.5 °C
9	1	0	23.4 m	16 m	5 m	2400 kW/m ²	1147.7 °C	1191.1 °C
10	1	0	23.4 m	16 m	5 m	1800 kW/m ²	1082.9 °C	1094.5 °C
11	0	0	23.4 m	16 m	5 m	2400 kW/m ²	574.8 °C	654.1 °C
12	0	0	23.4 m	16 m	5 m	1800 kW/m ²	445.9 °C	557.5 °C
13	1	0	23.4 m	16 m	9 m	2400 kW/m ²	902.5 °C	952.2 °C
14	1	0	23.4 m	16 m	9 m	1800 kW/m ²	765.6 °C	855.6 °C
15	0	0	23.4 m	16 m	9 m	2400 kW/m ²	352.9 °C	415.2 °C
16	0	0	23.4 m	16 m	9 m	1800 kW/m ²	279.6 °C	318.6 °C
17	1	0	13.0 m	24 m	5 m	2400 kW/m ²	1168.4 °C	1168.1 °C
18	1	0	13.0 m	24 m	5 m	1800 kW/m ²	1096.2 °C	1071.4 °C
19	0	0	13.0 m	24 m	5 m	2400 kW/m ²	426.9 °C	499.1 °C
20	0	0	13.0 m	24 m	5 m	1800 kW/m ²	330.4 °C	402.4 °C
21	1	0	13.0 m	24 m	9 m	2400 kW/m ²	904.9 °C	929.2 °C
22	1	0	13.0 m	24 m	9 m	1800 kW/m ²	791.6 °C	832.5 °C
23	0	0	13.0 m	24 m	9 m	2400 kW/m ²	272.7 °C	260.1 °C
24	0	0	13.0 m	24 m	9 m	1800 kW/m ²	211.0 °C	163.5 °C
25	1	0	13.0 m	16 m	5 m	2400 kW/m ²	1313.9 °C	1191.1 °C
26	1	0	13.0 m	16 m	5 m	1800 kW/m ²	1218.9 °C	1094.5 °C
27	0	0	13.0 m	16 m	5 m	2400 kW/m ²	766.0 °C	654.1 °C
28	0	0	13.0 m	16 m	5 m	1800 kW/m ²	608.1 °C	557.5 °C
29	1	0	13.0 m	16 m	9 m	2400 kW/m ²	990.2 °C	952.2 °C
30	1	0	13.0 m	16 m	9 m	1800 kW/m ²	854.7 °C	855.6 °C
31	0	0	13.0 m	16 m	9 m	2400 kW/m ²	493.3 °C	415.2 °C
32	0	0	13.0 m	16 m	9 m	1800 kW/m ²	387.0 °C	318.6 °C
33	1	1	23.4 m	24 m	5 m	2400 kW/m ²	1035.9 °C	1136.6 °C
34	1	1	23.4 m	24 m	5 m	1800 kW/m ²	1001.0 °C	1039.9 °C
35	0	1	23.4 m	24 m	5 m	2400 kW/m ²	638.6 °C	628.0 °C
36	0	1	23.4 m	24 m	5 m	1800 kW/m ²	513.4 °C	531.4 °C
37	1	1	23.4 m	24 m	9 m	2400 kW/m ²	1019.6 °C	897.6 °C



Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
38	1	1	23.4 m	24 m	9 m	1800 kW/m ²	911.0 °C	801.0 °C
39	0	1	23.4 m	24 m	9 m	2400 kW/m ²	360.1 °C	389.1 °C
40	0	1	23.4 m	24 m	9 m	1800 kW/m ²	277.1 °C	292.5 °C
41	1	1	23.4 m	16 m	5 m	2400 kW/m ²	1061.5 °C	1159.6 °C
42	1	1	23.4 m	16 m	5 m	1800 kW/m ²	990.5 °C	1063.0 °C
43	0	1	23.4 m	16 m	5 m	2400 kW/m ²	811.6 °C	783.1 °C
44	0	1	23.4 m	16 m	5 m	1800 kW/m ²	674.7 °C	686.5 °C
45	1	1	23.4 m	16 m	9 m	2400 kW/m ²	1007.8 °C	920.7 °C
46	1	1	23.4 m	16 m	9 m	1800 kW/m ²	917.8 °C	824.0 °C
47	0	1	23.4 m	16 m	9 m	2400 kW/m ²	494.0 °C	544.2 °C
48	0	1	23.4 m	16 m	9 m	1800 kW/m ²	368.3 °C	447.6 °C
49	1	1	13.0 m	24 m	5 m	2400 kW/m ²	1100.9 °C	1079.2 °C
50	1	1	13.0 m	24 m	5 m	1800 kW/m ²	1028.0 °C	982.6 °C
51	0	1	13.0 m	24 m	5 m	2400 kW/m ²	625.8 °C	570.7 °C
52	0	1	13.0 m	24 m	5 m	1800 kW/m ²	499.1 °C	474.1 °C
53	1	1	13.0 m	24 m	9 m	2400 kW/m ²	788.7 °C	840.3 °C
54	1	1	13.0 m	24 m	9 m	1800 kW/m ²	725.7 °C	743.7 °C
55	0	1	13.0 m	24 m	9 m	2400 kW/m ²	339.9 °C	331.8 °C
56	0	1	13.0 m	24 m	9 m	1800 kW/m ²	264.8 °C	235.1 °C
57	1	1	13.0 m	16 m	5 m	2400 kW/m ²	1092.5 °C	1102.3 °C
58	1	1	13.0 m	16 m	5 m	1800 kW/m ²	1013.8 °C	1005.6 °C
59	0	1	13.0 m	16 m	5 m	2400 kW/m ²	849.4 °C	725.8 °C
60	0	1	13.0 m	16 m	5 m	1800 kW/m ²	676.9 °C	629.2 °C
61	1	1	13.0 m	16 m	9 m	2400 kW/m ²	767.0 °C	863.4 °C
62	1	1	13.0 m	16 m	9 m	1800 kW/m ²	764.5 °C	766.7 °C
63	0	1	13.0 m	16 m	9 m	2400 kW/m ²	451.3 °C	486.9 °C
64	0	1	13.0 m	16 m	9 m	1800 kW/m ²	350.4 °C	390.2 °C



Model	Observed	Predicted	Residual	Studentized Res.
25	1313.9 °C	1191.1 °C	122.7 °C	2.05
26	1218.9 °C	1094.5 °C	124.4 °C	2.09
37	1019.6 °C	897.6 °C	121.9 °C	2.05
59	849.4 °C	725.8 °C	123.6 °C	2.04

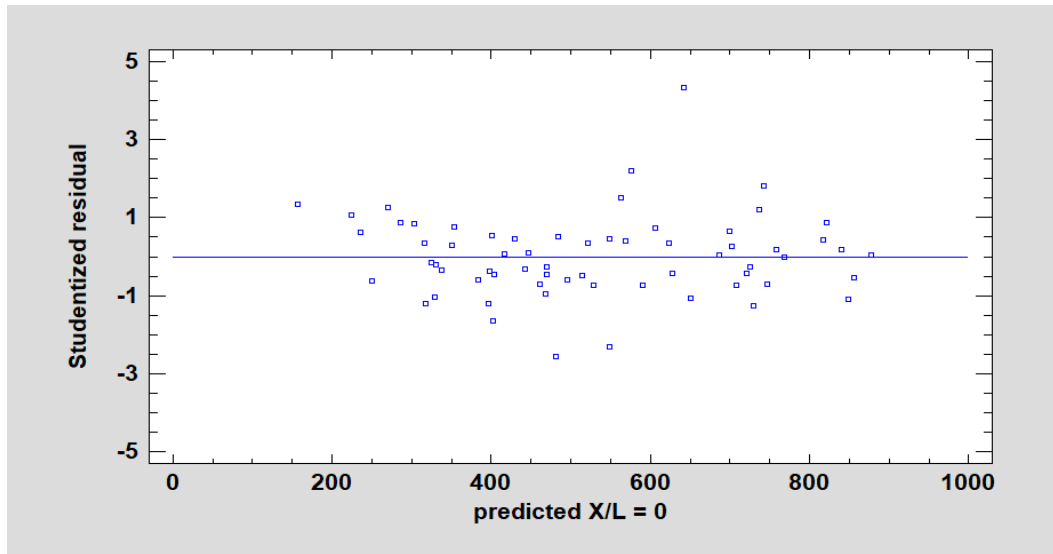
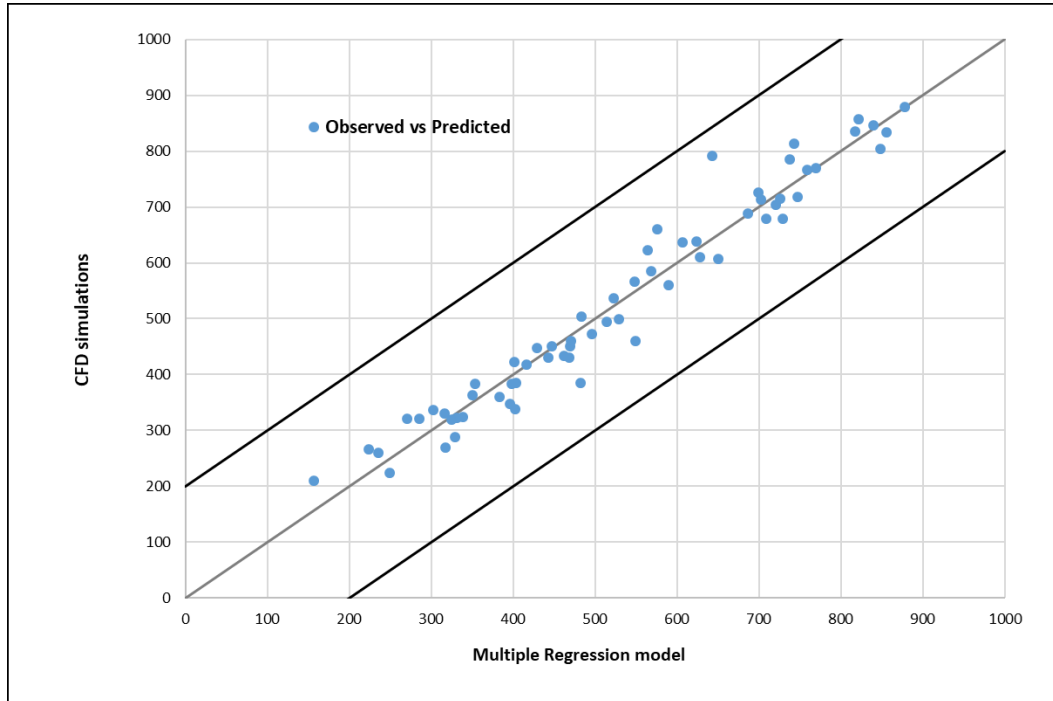


X/L = 0 - WEB

Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
1	1	0	23.4 m	24 m	5 m	2400 kW/m2	447.7 °C	429.6 °C
2	1	0	23.4 m	24 m	5 m	1800 kW/m2	362.6 °C	350.5 °C
3	0	0	23.4 m	24 m	5 m	2400 kW/m2	725.2 °C	698.8 °C
4	0	0	23.4 m	24 m	5 m	1800 kW/m2	584.6 °C	568.2 °C
5	1	0	23.4 m	24 m	9 m	2400 kW/m2	287.8 °C	328.8 °C
6	1	0	23.4 m	24 m	9 m	1800 kW/m2	224.4 °C	249.8 °C
7	0	0	23.4 m	24 m	9 m	2400 kW/m2	433.5 °C	461.7 °C
8	0	0	23.4 m	24 m	9 m	1800 kW/m2	322.9 °C	331.1 °C
9	1	0	23.4 m	16 m	5 m	2400 kW/m2	566.8 °C	548.4 °C
10	1	0	23.4 m	16 m	5 m	1800 kW/m2	450.9 °C	469.4 °C
11	0	0	23.4 m	16 m	5 m	2400 kW/m2	835.2 °C	817.7 °C
12	0	0	23.4 m	16 m	5 m	1800 kW/m2	688.6 °C	687.1 °C
13	1	0	23.4 m	16 m	9 m	2400 kW/m2	347.8 °C	396.2 °C
14	1	0	23.4 m	16 m	9 m	1800 kW/m2	269.6 °C	317.1 °C
15	0	0	23.4 m	16 m	9 m	2400 kW/m2	499.0 °C	529.1 °C
16	0	0	23.4 m	16 m	9 m	1800 kW/m2	383.3 °C	398.5 °C
17	1	0	13.0 m	24 m	5 m	2400 kW/m2	384.9 °C	403.4 °C
18	1	0	13.0 m	24 m	5 m	1800 kW/m2	318.7 °C	324.3 °C
19	0	0	13.0 m	24 m	5 m	2400 kW/m2	703.4 °C	720.6 °C
20	0	0	13.0 m	24 m	5 m	1800 kW/m2	560.0 °C	590.0 °C
21	1	0	13.0 m	24 m	9 m	2400 kW/m2	260.2 °C	235.4 °C
22	1	0	13.0 m	24 m	9 m	1800 kW/m2	209.6 °C	156.4 °C
23	0	0	13.0 m	24 m	9 m	2400 kW/m2	418.7 °C	416.3 °C
24	0	0	13.0 m	24 m	9 m	1800 kW/m2	321.2 °C	285.7 °C
25	1	0	13.0 m	16 m	5 m	2400 kW/m2	536.8 °C	522.2 °C
26	1	0	13.0 m	16 m	5 m	1800 kW/m2	430.4 °C	443.2 °C
27	0	0	13.0 m	16 m	5 m	2400 kW/m2	846.3 °C	839.5 °C
28	0	0	13.0 m	16 m	5 m	1800 kW/m2	679.7 °C	708.9 °C
29	1	0	13.0 m	16 m	9 m	2400 kW/m2	336.6 °C	302.8 °C
30	1	0	13.0 m	16 m	9 m	1800 kW/m2	266.8 °C	223.7 °C
31	0	0	13.0 m	16 m	9 m	2400 kW/m2	504.7 °C	483.7 °C
32	0	0	13.0 m	16 m	9 m	1800 kW/m2	383.5 °C	353.0 °C
33	1	1	23.4 m	24 m	5 m	2400 kW/m2	678.8 °C	729.2 °C
34	1	1	23.4 m	24 m	5 m	1800 kW/m2	607.0 °C	650.2 °C
35	0	1	23.4 m	24 m	5 m	2400 kW/m2	785.6 °C	737.2 °C
36	0	1	23.4 m	24 m	5 m	1800 kW/m2	636.4 °C	606.6 °C
37	1	1	23.4 m	24 m	9 m	2400 kW/m2	660.8 °C	575.4 °C



Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
38	1	1	23.4 m	24 m	9 m	1800 kW/m ²	472.6 °C	496.4 °C
39	0	1	23.4 m	24 m	9 m	2400 kW/m ²	450.5 °C	447.0 °C
40	0	1	23.4 m	24 m	9 m	1800 kW/m ²	329.9 °C	316.4 °C
41	1	1	23.4 m	16 m	5 m	2400 kW/m ²	804.0 °C	848.1 °C
42	1	1	23.4 m	16 m	5 m	1800 kW/m ²	769.0 °C	769.0 °C
43	0	1	23.4 m	16 m	5 m	2400 kW/m ²	833.9 °C	856.0 °C
44	0	1	23.4 m	16 m	5 m	1800 kW/m ²	715.1 °C	725.4 °C
45	1	1	23.4 m	16 m	9 m	2400 kW/m ²	791.8 °C	642.8 °C
46	1	1	23.4 m	16 m	9 m	1800 kW/m ²	623.2 °C	563.7 °C
47	0	1	23.4 m	16 m	9 m	2400 kW/m ²	494.9 °C	514.4 °C
48	0	1	23.4 m	16 m	9 m	1800 kW/m ²	360.1 °C	383.7 °C
49	1	1	13.0 m	24 m	5 m	2400 kW/m ²	713.3 °C	703.0 °C
50	1	1	13.0 m	24 m	5 m	1800 kW/m ²	637.8 °C	624.0 °C
51	0	1	13.0 m	24 m	5 m	2400 kW/m ²	766.0 °C	759.0 °C
52	0	1	13.0 m	24 m	5 m	1800 kW/m ²	610.7 °C	628.3 °C
53	1	1	13.0 m	24 m	9 m	2400 kW/m ²	384.5 °C	482.0 °C
54	1	1	13.0 m	24 m	9 m	1800 kW/m ²	337.8 °C	402.9 °C
55	0	1	13.0 m	24 m	9 m	2400 kW/m ²	422.9 °C	401.6 °C
56	0	1	13.0 m	24 m	9 m	1800 kW/m ²	320.6 °C	271.0 °C
57	1	1	13.0 m	16 m	5 m	2400 kW/m ²	856.7 °C	821.9 °C
58	1	1	13.0 m	16 m	5 m	1800 kW/m ²	813.9 °C	742.8 °C
59	0	1	13.0 m	16 m	5 m	2400 kW/m ²	879.0 °C	877.8 °C
60	0	1	13.0 m	16 m	5 m	1800 kW/m ²	718.5 °C	747.2 °C
61	1	1	13.0 m	16 m	9 m	2400 kW/m ²	460.4 °C	549.4 °C
62	1	1	13.0 m	16 m	9 m	1800 kW/m ²	459.6 °C	470.3 °C
63	0	1	13.0 m	16 m	9 m	2400 kW/m ²	430.5 °C	468.9 °C
64	0	1	13.0 m	16 m	9 m	1800 kW/m ²	324.0 °C	338.3 °C



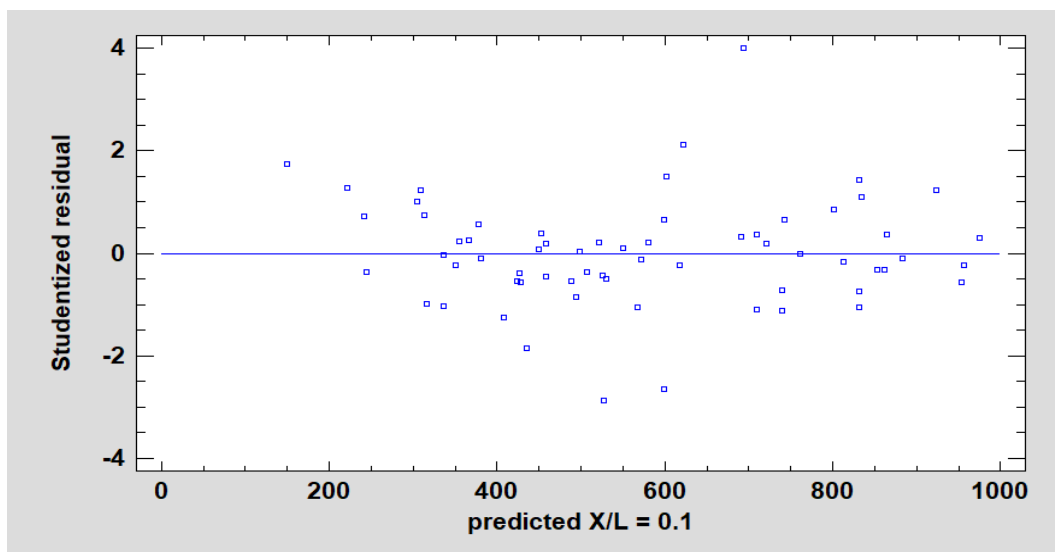
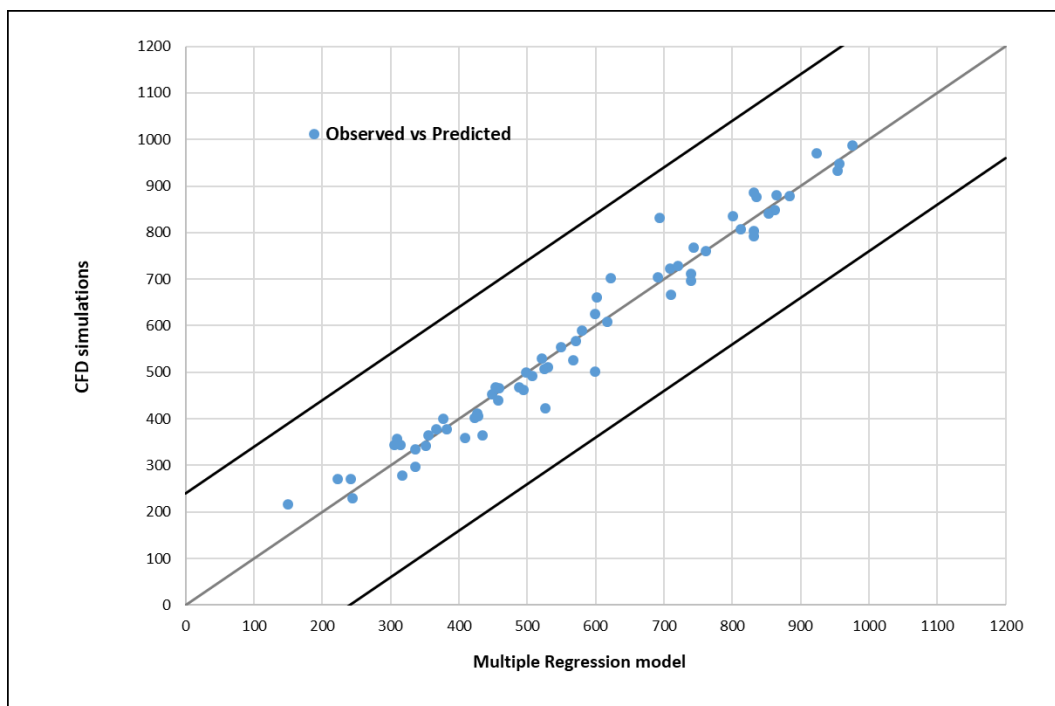
Model	Observed	Predicted	Residual	Studentized Res.
45	791.8 °C	662.1 °C	129.7 °C	2.85
53	384.5 °C	515.0 °C	-130.6 °C	-2.88
58	813.9 °C	701.9 °C	112.0 °C	2.39
61	460.4 °C	608.1 °C	-147.7 °C	-3.32

X/L = 0.1 - WEB

Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
1	1	0	23.4 m	24 m	5 m	2400 kW/m ²	466.4 °C	458.6 °C
2	1	0	23.4 m	24 m	5 m	1800 kW/m ²	376.8 °C	366.6 °C
3	0	0	23.4 m	24 m	5 m	2400 kW/m ²	768.7 °C	743.0 °C
4	0	0	23.4 m	24 m	5 m	1800 kW/m ²	625.2 °C	599.1 °C
5	1	0	23.4 m	24 m	9 m	2400 kW/m ²	296.3 °C	336.4 °C
6	1	0	23.4 m	24 m	9 m	1800 kW/m ²	230.4 °C	244.4 °C
7	0	0	23.4 m	24 m	9 m	2400 kW/m ²	461.7 °C	494.8 °C
8	0	0	23.4 m	24 m	9 m	1800 kW/m ²	341.7 °C	350.9 °C
9	1	0	23.4 m	16 m	5 m	2400 kW/m ²	588.9 °C	580.4 °C
10	1	0	23.4 m	16 m	5 m	1800 kW/m ²	467.2 °C	488.4 °C
11	0	0	23.4 m	16 m	5 m	2400 kW/m ²	879.5 °C	864.8 °C
12	0	0	23.4 m	16 m	5 m	1800 kW/m ²	728.2 °C	720.9 °C
13	1	0	23.4 m	16 m	9 m	2400 kW/m ²	359.9 °C	408.8 °C
14	1	0	23.4 m	16 m	9 m	1800 kW/m ²	278.4 °C	316.8 °C
15	0	0	23.4 m	16 m	9 m	2400 kW/m ²	525.9 °C	567.2 °C
16	0	0	23.4 m	16 m	9 m	1800 kW/m ²	402.0 °C	423.3 °C
17	1	0	13.0 m	24 m	5 m	2400 kW/m ²	405.5 °C	428.0 °C
18	1	0	13.0 m	24 m	5 m	1800 kW/m ²	334.7 °C	336.0 °C
19	0	0	13.0 m	24 m	5 m	2400 kW/m ²	761.2 °C	761.5 °C
20	0	0	13.0 m	24 m	5 m	1800 kW/m ²	608.5 °C	617.6 °C
21	1	0	13.0 m	24 m	9 m	2400 kW/m ²	269.9 °C	241.6 °C
22	1	0	13.0 m	24 m	9 m	1800 kW/m ²	216.1 °C	149.6 °C
23	0	0	13.0 m	24 m	9 m	2400 kW/m ²	452.1 °C	449.1 °C
24	0	0	13.0 m	24 m	9 m	1800 kW/m ²	344.6 °C	305.2 °C
25	1	0	13.0 m	16 m	5 m	2400 kW/m ²	553.8 °C	549.8 °C
26	1	0	13.0 m	16 m	5 m	1800 kW/m ²	440.0 °C	457.8 °C
27	0	0	13.0 m	16 m	5 m	2400 kW/m ²	879.4 °C	883.3 °C
28	0	0	13.0 m	16 m	5 m	1800 kW/m ²	711.2 °C	739.4 °C
29	1	0	13.0 m	16 m	9 m	2400 kW/m ²	343.2 °C	314.0 °C
30	1	0	13.0 m	16 m	9 m	1800 kW/m ²	271.6 °C	222.0 °C
31	0	0	13.0 m	16 m	9 m	2400 kW/m ²	529.8 °C	521.5 °C
32	0	0	13.0 m	16 m	9 m	1800 kW/m ²	399.7 °C	377.6 °C
33	1	1	23.4 m	24 m	5 m	2400 kW/m ²	791.3 °C	832.1 °C
34	1	1	23.4 m	24 m	5 m	1800 kW/m ²	696.3 °C	740.1 °C
35	0	1	23.4 m	24 m	5 m	2400 kW/m ²	877.5 °C	835.0 °C
36	0	1	23.4 m	24 m	5 m	1800 kW/m ²	704.2 °C	691.1 °C
37	1	1	23.4 m	24 m	9 m	2400 kW/m ²	701.8 °C	621.8 °C



Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
38	1	1	23.4 m	24 m	9 m	1800 kW/m ²	510.5 °C	529.8 °C
39	0	1	23.4 m	24 m	9 m	2400 kW/m ²	500.4 °C	498.7 °C
40	0	1	23.4 m	24 m	9 m	1800 kW/m ²	364.1 °C	354.8 °C
41	1	1	23.4 m	16 m	5 m	2400 kW/m ²	932.1 °C	953.9 °C
42	1	1	23.4 m	16 m	5 m	1800 kW/m ²	849.1 °C	861.9 °C
43	0	1	23.4 m	16 m	5 m	2400 kW/m ²	947.7 °C	956.9 °C
44	0	1	23.4 m	16 m	5 m	1800 kW/m ²	806.8 °C	813.0 °C
45	1	1	23.4 m	16 m	9 m	2400 kW/m ²	831.1 °C	694.2 °C
46	1	1	23.4 m	16 m	9 m	1800 kW/m ²	660.2 °C	602.3 °C
47	0	1	23.4 m	16 m	9 m	2400 kW/m ²	566.3 °C	571.2 °C
48	0	1	23.4 m	16 m	9 m	1800 kW/m ²	412.4 °C	427.2 °C
49	1	1	13.0 m	24 m	5 m	2400 kW/m ²	835.3 °C	801.5 °C
50	1	1	13.0 m	24 m	5 m	1800 kW/m ²	723.7 °C	709.5 °C
51	0	1	13.0 m	24 m	5 m	2400 kW/m ²	840.9 °C	853.5 °C
52	0	1	13.0 m	24 m	5 m	1800 kW/m ²	666.6 °C	709.6 °C
53	1	1	13.0 m	24 m	9 m	2400 kW/m ²	422.5 °C	527.0 °C
54	1	1	13.0 m	24 m	9 m	1800 kW/m ²	364.6 °C	435.0 °C
55	0	1	13.0 m	24 m	9 m	2400 kW/m ²	468.0 °C	453.0 °C
56	0	1	13.0 m	24 m	9 m	1800 kW/m ²	356.7 °C	309.1 °C
57	1	1	13.0 m	16 m	5 m	2400 kW/m ²	971.2 °C	923.3 °C
58	1	1	13.0 m	16 m	5 m	1800 kW/m ²	887.0 °C	831.3 °C
59	0	1	13.0 m	16 m	5 m	2400 kW/m ²	987.4 °C	975.4 °C
60	0	1	13.0 m	16 m	5 m	1800 kW/m ²	802.8 °C	831.5 °C
61	1	1	13.0 m	16 m	9 m	2400 kW/m ²	501.5 °C	599.4 °C
62	1	1	13.0 m	16 m	9 m	1800 kW/m ²	492.7 °C	507.4 °C
63	0	1	13.0 m	16 m	9 m	2400 kW/m ²	508.0 °C	525.4 °C
64	0	1	13.0 m	16 m	9 m	1800 kW/m ²	377.3 °C	381.5 °C



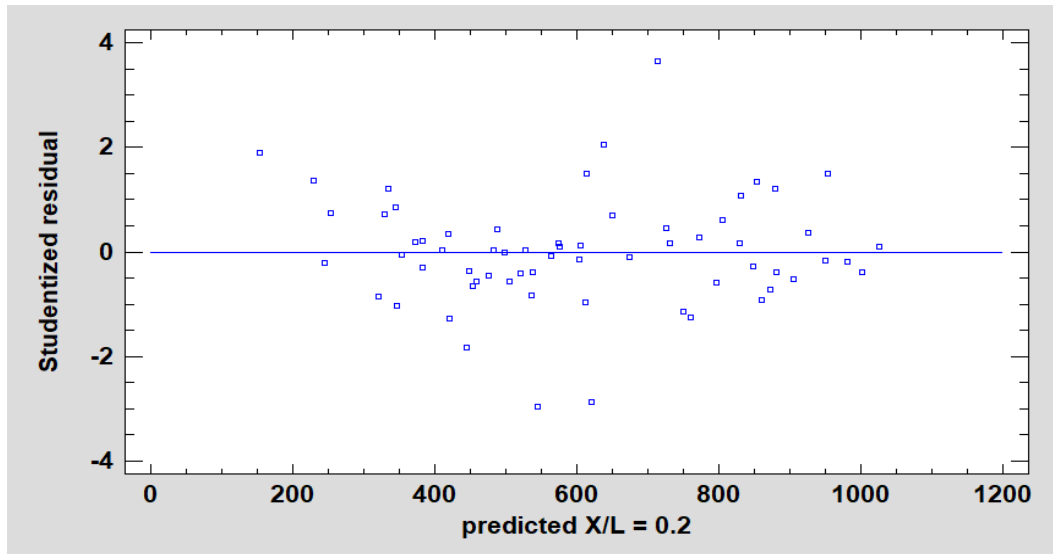
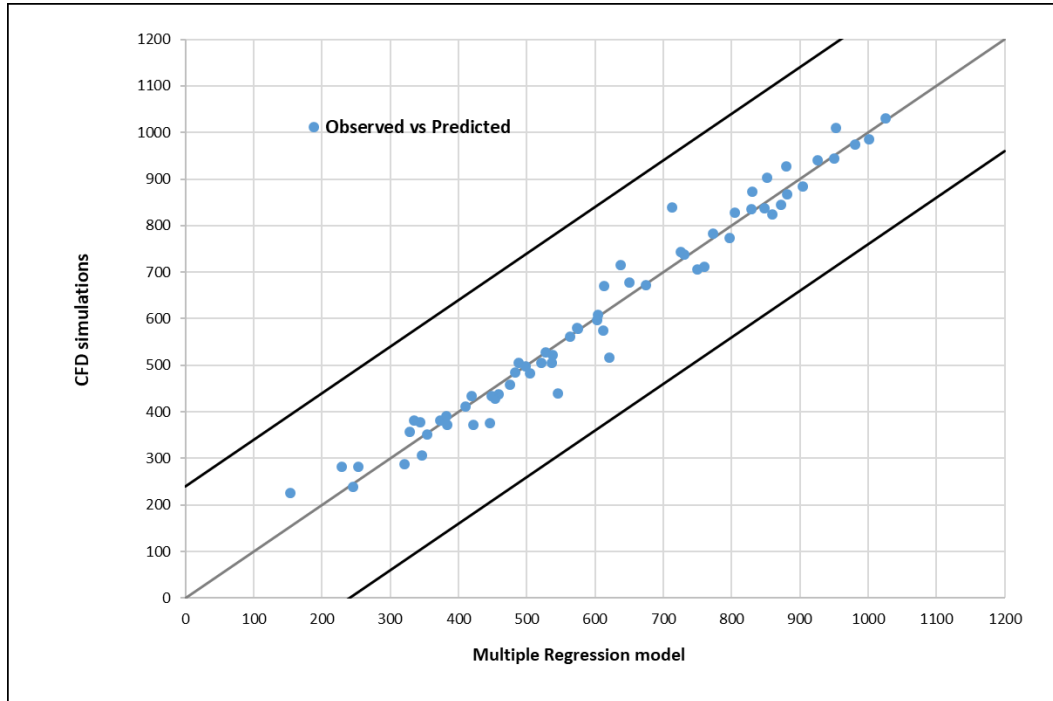
Model	Observed	Predicted	Residual	Studentized Res.
37	701.8 °C	621.8 °C	80.0 °C	2.12
45	831.1 °C	694.2 °C	136.9 °C	4
53	422.5 °C	527.0 °C	-104.5 °C	-2.86
61	501.5 °C	599.4 °C	-98.0 °C	-2.66

X/L = 0.2 - WEB

Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
1	1	0	23.4 m	24 m	5 m	2400 kW/m2	484.2 °C	482.8 °C
2	1	0	23.4 m	24 m	5 m	1800 kW/m2	390.7 °C	382.7 °C
3	0	0	23.4 m	24 m	5 m	2400 kW/m2	828.1 °C	804.4 °C
4	0	0	23.4 m	24 m	5 m	1800 kW/m2	677.5 °C	650.7 °C
5	1	0	23.4 m	24 m	9 m	2400 kW/m2	306.0 °C	346.0 °C
6	1	0	23.4 m	24 m	9 m	1800 kW/m2	238.1 °C	245.9 °C
7	0	0	23.4 m	24 m	9 m	2400 kW/m2	504.5 °C	537.1 °C
8	0	0	23.4 m	24 m	9 m	1800 kW/m2	372.0 °C	383.3 °C
9	1	0	23.4 m	16 m	5 m	2400 kW/m2	609.1 °C	604.5 °C
10	1	0	23.4 m	16 m	5 m	1800 kW/m2	482.3 °C	504.5 °C
11	0	0	23.4 m	16 m	5 m	2400 kW/m2	940.7 °C	926.2 °C
12	0	0	23.4 m	16 m	5 m	1800 kW/m2	783.4 °C	772.4 °C
13	1	0	23.4 m	16 m	9 m	2400 kW/m2	372.0 °C	421.3 °C
14	1	0	23.4 m	16 m	9 m	1800 kW/m2	288.0 °C	321.3 °C
15	0	0	23.4 m	16 m	9 m	2400 kW/m2	575.0 °C	612.4 °C
16	0	0	23.4 m	16 m	9 m	1800 kW/m2	436.8 °C	458.7 °C
17	1	0	13.0 m	24 m	5 m	2400 kW/m2	428.4 °C	453.8 °C
18	1	0	13.0 m	24 m	5 m	1800 kW/m2	351.7 °C	353.7 °C
19	0	0	13.0 m	24 m	5 m	2400 kW/m2	835.4 °C	828.7 °C
20	0	0	13.0 m	24 m	5 m	1800 kW/m2	671.4 °C	674.9 °C
21	1	0	13.0 m	24 m	9 m	2400 kW/m2	282.4 °C	253.7 °C
22	1	0	13.0 m	24 m	9 m	1800 kW/m2	225.1 °C	153.6 °C
23	0	0	13.0 m	24 m	9 m	2400 kW/m2	497.9 °C	498.0 °C
24	0	0	13.0 m	24 m	9 m	1800 kW/m2	377.3 °C	344.2 °C
25	1	0	13.0 m	16 m	5 m	2400 kW/m2	579.2 °C	575.6 °C
26	1	0	13.0 m	16 m	5 m	1800 kW/m2	457.5 °C	475.5 °C
27	0	0	13.0 m	16 m	5 m	2400 kW/m2	944.4 °C	950.5 °C
28	0	0	13.0 m	16 m	5 m	1800 kW/m2	773.5 °C	796.7 °C
29	1	0	13.0 m	16 m	9 m	2400 kW/m2	356.8 °C	329.0 °C
30	1	0	13.0 m	16 m	9 m	1800 kW/m2	281.2 °C	229.0 °C
31	0	0	13.0 m	16 m	9 m	2400 kW/m2	579.8 °C	573.4 °C
32	0	0	13.0 m	16 m	9 m	1800 kW/m2	433.3 °C	419.6 °C
33	1	1	23.4 m	24 m	5 m	2400 kW/m2	823.8 °C	859.7 °C
34	1	1	23.4 m	24 m	5 m	1800 kW/m2	711.4 °C	759.6 °C
35	0	1	23.4 m	24 m	5 m	2400 kW/m2	926.7 °C	879.8 °C
36	0	1	23.4 m	24 m	5 m	1800 kW/m2	743.6 °C	726.0 °C
37	1	1	23.4 m	24 m	9 m	2400 kW/m2	714.5 °C	637.7 °C



Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
38	1	1	23.4 m	24 m	9 m	1800 kW/m ²	522.8 °C	537.7 °C
39	0	1	23.4 m	24 m	9 m	2400 kW/m ²	528.2 °C	527.3 °C
40	0	1	23.4 m	24 m	9 m	1800 kW/m ²	380.9 °C	373.5 °C
41	1	1	23.4 m	16 m	5 m	2400 kW/m ²	974.4 °C	981.5 °C
42	1	1	23.4 m	16 m	5 m	1800 kW/m ²	866.4 °C	881.4 °C
43	0	1	23.4 m	16 m	5 m	2400 kW/m ²	986.2 °C	1001.6 °C
44	0	1	23.4 m	16 m	5 m	1800 kW/m ²	837.2 °C	847.8 °C
45	1	1	23.4 m	16 m	9 m	2400 kW/m ²	839.0 °C	713.1 °C
46	1	1	23.4 m	16 m	9 m	1800 kW/m ²	670.1 °C	613.0 °C
47	0	1	23.4 m	16 m	9 m	2400 kW/m ²	597.4 °C	602.6 °C
48	0	1	23.4 m	16 m	9 m	1800 kW/m ²	434.3 °C	448.8 °C
49	1	1	13.0 m	24 m	5 m	2400 kW/m ²	872.3 °C	830.7 °C
50	1	1	13.0 m	24 m	5 m	1800 kW/m ²	737.2 °C	730.6 °C
51	0	1	13.0 m	24 m	5 m	2400 kW/m ²	883.7 °C	904.1 °C
52	0	1	13.0 m	24 m	5 m	1800 kW/m ²	706.6 °C	750.3 °C
53	1	1	13.0 m	24 m	9 m	2400 kW/m ²	439.5 °C	545.4 °C
54	1	1	13.0 m	24 m	9 m	1800 kW/m ²	376.3 °C	445.4 °C
55	0	1	13.0 m	24 m	9 m	2400 kW/m ²	505.1 °C	488.2 °C
56	0	1	13.0 m	24 m	9 m	1800 kW/m ²	380.7 °C	334.4 °C
57	1	1	13.0 m	16 m	5 m	2400 kW/m ²	1009.3 °C	952.5 °C
58	1	1	13.0 m	16 m	5 m	1800 kW/m ²	903.7 °C	852.4 °C
59	0	1	13.0 m	16 m	5 m	2400 kW/m ²	1029.6 °C	1025.8 °C
60	0	1	13.0 m	16 m	5 m	1800 kW/m ²	843.9 °C	872.1 °C
61	1	1	13.0 m	16 m	9 m	2400 kW/m ²	517.3 °C	620.8 °C
62	1	1	13.0 m	16 m	9 m	1800 kW/m ²	504.5 °C	520.7 °C
63	0	1	13.0 m	16 m	9 m	2400 kW/m ²	560.8 °C	563.6 °C
64	0	1	13.0 m	16 m	9 m	1800 kW/m ²	410.7 °C	409.8 °C



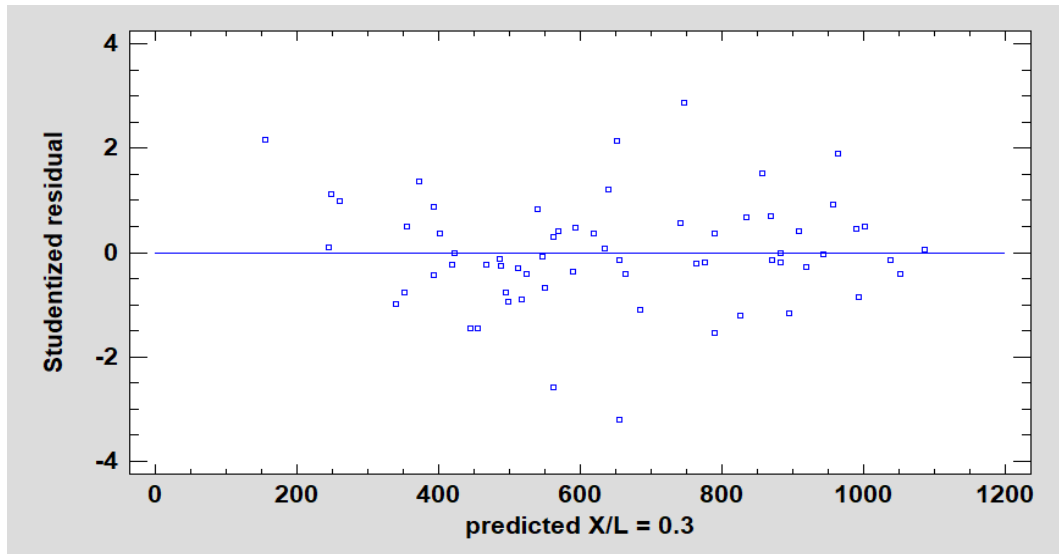
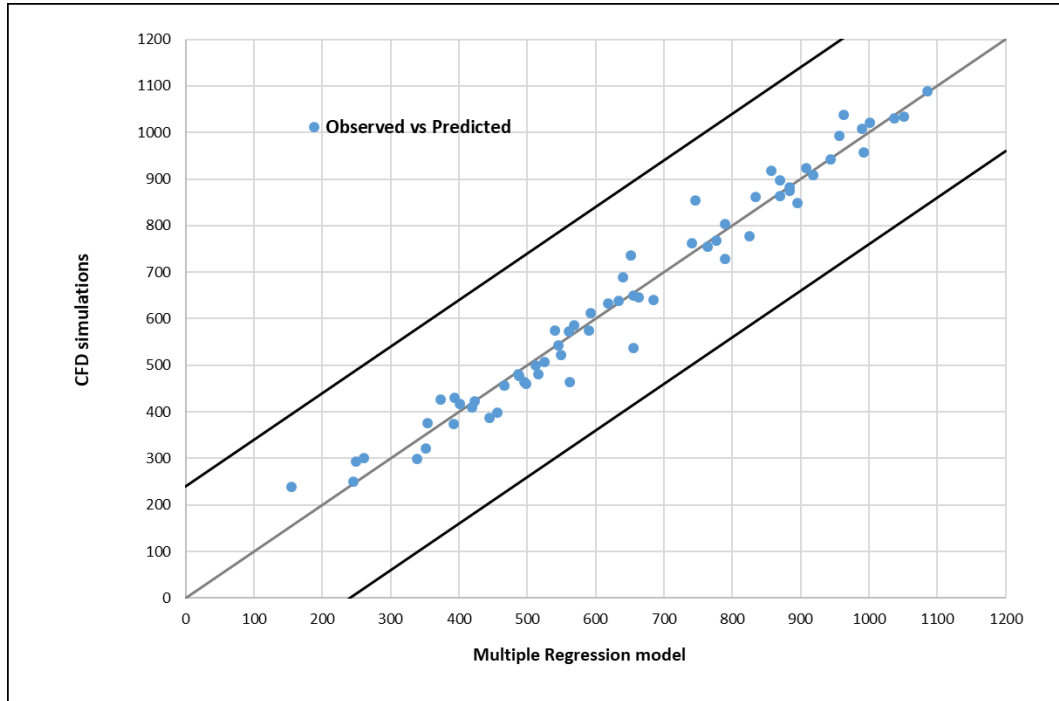
Model	Observed	Predicted	Residual	Studentized Res.
37	714.5 °C	637.7 °C	76.7 °C	2.05
45	839.0 °C	713.1 °C	125.9 °C	3.64
53	439.5 °C	545.4 °C	-106.0 °C	-2.95
61	517.3 °C	620.8 °C	-103.5 °C	-2.87

X/L = 0.3 - WEB

Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
1	1	0	23.4 m	24 m	5 m	2400 kW/m ²	508.0 °C	524.5 °C
2	1	0	23.4 m	24 m	5 m	1800 kW/m ²	408.9 °C	418.6 °C
3	0	0	23.4 m	24 m	5 m	2400 kW/m ²	924.1 °C	907.8 °C
4	0	0	23.4 m	24 m	5 m	1800 kW/m ²	763.2 °C	740.5 °C
5	1	0	23.4 m	24 m	9 m	2400 kW/m ²	320.6 °C	351.2 °C
6	1	0	23.4 m	24 m	9 m	1800 kW/m ²	249.4 °C	245.3 °C
7	0	0	23.4 m	24 m	9 m	2400 kW/m ²	575.0 °C	590.2 °C
8	0	0	23.4 m	24 m	9 m	1800 kW/m ²	422.1 °C	422.9 °C
9	1	0	23.4 m	16 m	5 m	2400 kW/m ²	633.4 °C	618.4 °C
10	1	0	23.4 m	16 m	5 m	1800 kW/m ²	500.5 °C	512.5 °C
11	0	0	23.4 m	16 m	5 m	2400 kW/m ²	1021.5 °C	1001.7 °C
12	0	0	23.4 m	16 m	5 m	1800 kW/m ²	861.4 °C	834.3 °C
13	1	0	23.4 m	16 m	9 m	2400 kW/m ²	387.6 °C	445.1 °C
14	1	0	23.4 m	16 m	9 m	1800 kW/m ²	299.4 °C	339.2 °C
15	0	0	23.4 m	16 m	9 m	2400 kW/m ²	640.0 °C	684.1 °C
16	0	0	23.4 m	16 m	9 m	1800 kW/m ²	480.6 °C	516.8 °C
17	1	0	13.0 m	24 m	5 m	2400 kW/m ²	460.2 °C	498.5 °C
18	1	0	13.0 m	24 m	5 m	1800 kW/m ²	374.9 °C	392.5 °C
19	0	0	13.0 m	24 m	5 m	2400 kW/m ²	941.9 °C	943.4 °C
20	0	0	13.0 m	24 m	5 m	1800 kW/m ²	768.4 °C	776.1 °C
21	1	0	13.0 m	24 m	9 m	2400 kW/m ²	300.2 °C	260.8 °C
22	1	0	13.0 m	24 m	9 m	1800 kW/m ²	239.0 °C	154.8 °C
23	0	0	13.0 m	24 m	9 m	2400 kW/m ²	573.4 °C	561.4 °C
24	0	0	13.0 m	24 m	9 m	1800 kW/m ²	429.5 °C	394.1 °C
25	1	0	13.0 m	16 m	5 m	2400 kW/m ²	611.8 °C	592.4 °C
26	1	0	13.0 m	16 m	5 m	1800 kW/m ²	481.3 °C	486.4 °C
27	0	0	13.0 m	16 m	5 m	2400 kW/m ²	1031.3 °C	1037.3 °C
28	0	0	13.0 m	16 m	5 m	1800 kW/m ²	864.1 °C	870.0 °C
29	1	0	13.0 m	16 m	9 m	2400 kW/m ²	375.2 °C	354.7 °C
30	1	0	13.0 m	16 m	9 m	1800 kW/m ²	293.4 °C	248.7 °C
31	0	0	13.0 m	16 m	9 m	2400 kW/m ²	649.5 °C	655.3 °C
32	0	0	13.0 m	16 m	9 m	1800 kW/m ²	477.5 °C	488.0 °C
33	1	1	23.4 m	24 m	5 m	2400 kW/m ²	849.1 °C	895.4 °C
34	1	1	23.4 m	24 m	5 m	1800 kW/m ²	728.6 °C	789.4 °C
35	0	1	23.4 m	24 m	5 m	2400 kW/m ²	993.4 °C	956.7 °C
36	0	1	23.4 m	24 m	5 m	1800 kW/m ²	804.1 °C	789.4 °C
37	1	1	23.4 m	24 m	9 m	2400 kW/m ²	735.3 °C	652.1 °C



Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
38	1	1	23.4 m	24 m	9 m	1800 kW/m ²	543.0 °C	546.2 °C
39	0	1	23.4 m	24 m	9 m	2400 kW/m ²	585.7 °C	569.2 °C
40	0	1	23.4 m	24 m	9 m	1800 kW/m ²	416.5 °C	401.8 °C
41	1	1	23.4 m	16 m	5 m	2400 kW/m ²	1007.6 °C	989.2 °C
42	1	1	23.4 m	16 m	5 m	1800 kW/m ²	882.5 °C	883.3 °C
43	0	1	23.4 m	16 m	5 m	2400 kW/m ²	1034.1 °C	1050.6 °C
44	0	1	23.4 m	16 m	5 m	1800 kW/m ²	875.3 °C	883.3 °C
45	1	1	23.4 m	16 m	9 m	2400 kW/m ²	854.0 °C	746.0 °C
46	1	1	23.4 m	16 m	9 m	1800 kW/m ²	688.6 °C	640.0 °C
47	0	1	23.4 m	16 m	9 m	2400 kW/m ²	646.4 °C	663.0 °C
48	0	1	23.4 m	16 m	9 m	1800 kW/m ²	464.6 °C	495.7 °C
49	1	1	13.0 m	24 m	5 m	2400 kW/m ²	897.4 °C	869.3 °C
50	1	1	13.0 m	24 m	5 m	1800 kW/m ²	755.3 °C	763.4 °C
51	0	1	13.0 m	24 m	5 m	2400 kW/m ²	957.6 °C	992.3 °C
52	0	1	13.0 m	24 m	5 m	1800 kW/m ²	776.6 °C	825.0 °C
53	1	1	13.0 m	24 m	9 m	2400 kW/m ²	463.2 °C	561.7 °C
54	1	1	13.0 m	24 m	9 m	1800 kW/m ²	398.2 °C	455.7 °C
55	0	1	13.0 m	24 m	9 m	2400 kW/m ²	573.7 °C	540.4 °C
56	0	1	13.0 m	24 m	9 m	1800 kW/m ²	427.3 °C	373.0 °C
57	1	1	13.0 m	16 m	5 m	2400 kW/m ²	1037.7 °C	963.2 °C
58	1	1	13.0 m	16 m	5 m	1800 kW/m ²	917.5 °C	857.3 °C
59	0	1	13.0 m	16 m	5 m	2400 kW/m ²	1088.5 °C	1086.2 °C
60	0	1	13.0 m	16 m	5 m	1800 kW/m ²	907.8 °C	918.9 °C
61	1	1	13.0 m	16 m	9 m	2400 kW/m ²	537.0 °C	655.5 °C
62	1	1	13.0 m	16 m	9 m	1800 kW/m ²	522.7 °C	549.6 °C
63	0	1	13.0 m	16 m	9 m	2400 kW/m ²	637.7 °C	634.2 °C
64	0	1	13.0 m	16 m	9 m	1800 kW/m ²	457.4 °C	466.9 °C



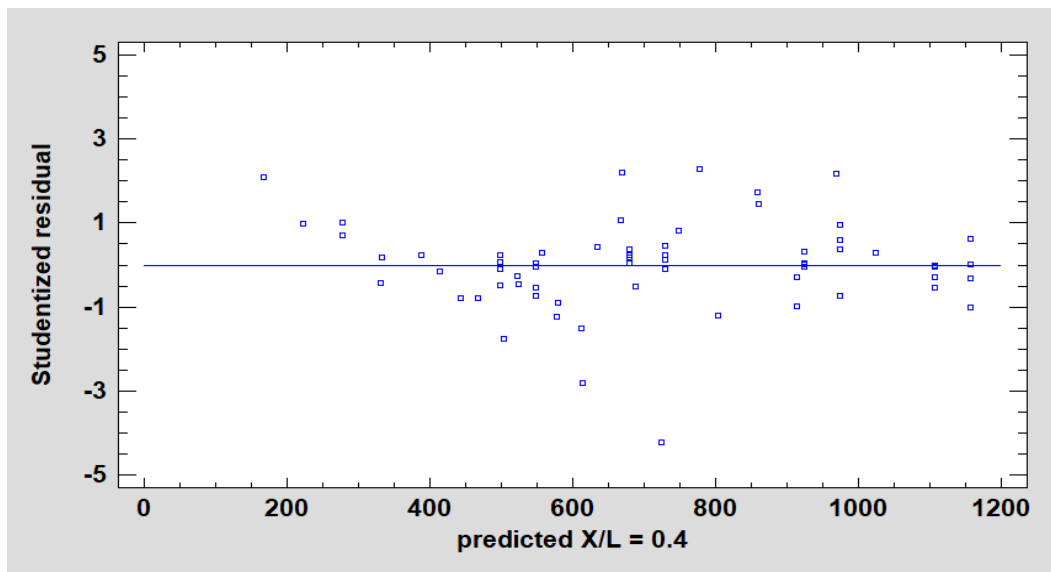
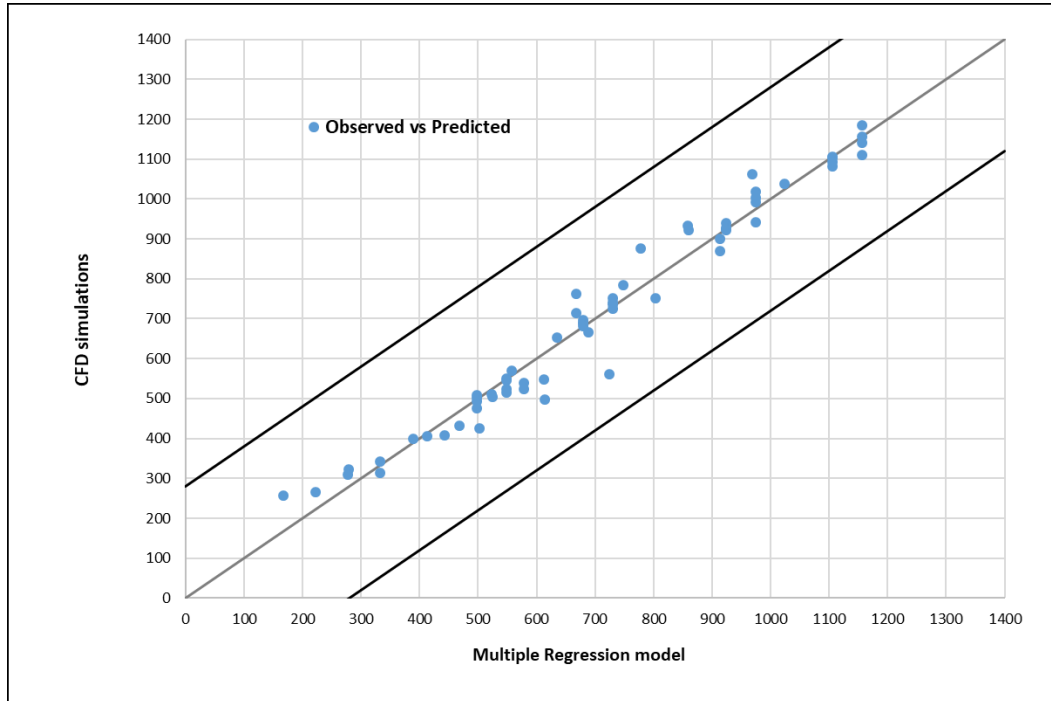
Model	Observed	Predicted	Residual	Studentized Res.
45	854.0 °C	748.9 °C	105.0 °C	2.27
53	463.2 °C	598.7 °C	-135.5 °C	-3.1
58	917.5 °C	822.1 °C	95.4 °C	2.04
61	537.0 °C	692.6 °C	-155.6 °C	-3.67

X/L = 0.4 - WEB

Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
1	1	0	23.4 m	24 m	5 m	2400 kW/m2	539.2 °C	578.6 °C
2	1	0	23.4 m	24 m	5 m	1800 kW/m2	432.4 °C	467.6 °C
3	0	0	23.4 m	24 m	5 m	2400 kW/m2	1081.7 °C	1106.1 °C
4	0	0	23.4 m	24 m	5 m	1800 kW/m2	925.6 °C	924.6 °C
5	1	0	23.4 m	24 m	9 m	2400 kW/m2	341.3 °C	333.0 °C
6	1	0	23.4 m	24 m	9 m	1800 kW/m2	265.2 °C	222.0 °C
7	0	0	23.4 m	24 m	9 m	2400 kW/m2	688.2 °C	679.6 °C
8	0	0	23.4 m	24 m	9 m	1800 kW/m2	500.9 °C	498.2 °C
9	1	0	23.4 m	16 m	5 m	2400 kW/m2	665.5 °C	688.7 °C
10	1	0	23.4 m	16 m	5 m	1800 kW/m2	524.1 °C	577.7 °C
11	0	0	23.4 m	16 m	5 m	2400 kW/m2	1141.6 °C	1156.1 °C
12	0	0	23.4 m	16 m	5 m	1800 kW/m2	992.3 °C	974.6 °C
13	1	0	23.4 m	16 m	9 m	2400 kW/m2	407.6 °C	443.1 °C
14	1	0	23.4 m	16 m	9 m	1800 kW/m2	313.5 °C	332.1 °C
15	0	0	23.4 m	16 m	9 m	2400 kW/m2	735.4 °C	729.6 °C
16	0	0	23.4 m	16 m	9 m	1800 kW/m2	550.4 °C	548.2 °C
17	1	0	13.0 m	24 m	5 m	2400 kW/m2	503.5 °C	524.2 °C
18	1	0	13.0 m	24 m	5 m	1800 kW/m2	405.9 °C	413.2 °C
19	0	0	13.0 m	24 m	5 m	2400 kW/m2	1104.9 °C	1106.1 °C
20	0	0	13.0 m	24 m	5 m	1800 kW/m2	939.6 °C	924.6 °C
21	1	0	13.0 m	24 m	9 m	2400 kW/m2	323.2 °C	278.6 °C
22	1	0	13.0 m	24 m	9 m	1800 kW/m2	257.3 °C	167.6 °C
23	0	0	13.0 m	24 m	9 m	2400 kW/m2	696.5 °C	679.6 °C
24	0	0	13.0 m	24 m	9 m	1800 kW/m2	509.0 °C	498.2 °C
25	1	0	13.0 m	16 m	5 m	2400 kW/m2	653.2 °C	634.3 °C
26	1	0	13.0 m	16 m	5 m	1800 kW/m2	511.3 °C	523.3 °C
27	0	0	13.0 m	16 m	5 m	2400 kW/m2	1157.2 °C	1156.1 °C
28	0	0	13.0 m	16 m	5 m	1800 kW/m2	1002.6 °C	974.6 °C
29	1	0	13.0 m	16 m	9 m	2400 kW/m2	398.6 °C	388.7 °C
30	1	0	13.0 m	16 m	9 m	1800 kW/m2	308.7 °C	277.7 °C
31	0	0	13.0 m	16 m	9 m	2400 kW/m2	751.2 °C	729.6 °C
32	0	0	13.0 m	16 m	9 m	1800 kW/m2	546.2 °C	548.2 °C
33	1	1	23.4 m	24 m	5 m	2400 kW/m2	870.1 °C	913.7 °C
34	1	1	23.4 m	24 m	5 m	1800 kW/m2	750.3 °C	802.8 °C
35	0	1	23.4 m	24 m	5 m	2400 kW/m2	1104.2 °C	1106.1 °C
36	0	1	23.4 m	24 m	5 m	1800 kW/m2	926.2 °C	924.6 °C
37	1	1	23.4 m	24 m	9 m	2400 kW/m2	761.8 °C	668.1 °C



Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
38	1	1	23.4 m	24 m	9 m	1800 kW/m ²	569.8 °C	557.2 °C
39	0	1	23.4 m	24 m	9 m	2400 kW/m ²	690.4 °C	679.6 °C
40	0	1	23.4 m	24 m	9 m	1800 kW/m ²	476.2 °C	498.2 °C
41	1	1	23.4 m	16 m	5 m	2400 kW/m ²	1037.0 °C	1023.8 °C
42	1	1	23.4 m	16 m	5 m	1800 kW/m ²	899.7 °C	912.8 °C
43	0	1	23.4 m	16 m	5 m	2400 kW/m ²	1109.5 °C	1156.1 °C
44	0	1	23.4 m	16 m	5 m	1800 kW/m ²	941.3 °C	974.6 °C
45	1	1	23.4 m	16 m	9 m	2400 kW/m ²	875.3 °C	778.2 °C
46	1	1	23.4 m	16 m	9 m	1800 kW/m ²	713.7 °C	667.2 °C
47	0	1	23.4 m	16 m	9 m	2400 kW/m ²	725.8 °C	729.6 °C
48	0	1	23.4 m	16 m	9 m	1800 kW/m ²	514.2 °C	548.2 °C
49	1	1	13.0 m	24 m	5 m	2400 kW/m ²	922.9 °C	859.3 °C
50	1	1	13.0 m	24 m	5 m	1800 kW/m ²	785.0 °C	748.4 °C
51	0	1	13.0 m	24 m	5 m	2400 kW/m ²	1093.2 °C	1106.1 °C
52	0	1	13.0 m	24 m	5 m	1800 kW/m ²	922.3 °C	924.6 °C
53	1	1	13.0 m	24 m	9 m	2400 kW/m ²	496.8 °C	613.7 °C
54	1	1	13.0 m	24 m	9 m	1800 kW/m ²	426.1 °C	502.8 °C
55	0	1	13.0 m	24 m	9 m	2400 kW/m ²	681.2 °C	679.6 °C
56	0	1	13.0 m	24 m	9 m	1800 kW/m ²	493.7 °C	498.2 °C
57	1	1	13.0 m	16 m	5 m	2400 kW/m ²	1062.3 °C	969.4 °C
58	1	1	13.0 m	16 m	5 m	1800 kW/m ²	933.7 °C	858.4 °C
59	0	1	13.0 m	16 m	5 m	2400 kW/m ²	1184.3 °C	1156.1 °C
60	0	1	13.0 m	16 m	5 m	1800 kW/m ²	1018.6 °C	974.6 °C
61	1	1	13.0 m	16 m	9 m	2400 kW/m ²	560.9 °C	723.8 °C
62	1	1	13.0 m	16 m	9 m	1800 kW/m ²	547.1 °C	612.8 °C
63	0	1	13.0 m	16 m	9 m	2400 kW/m ²	740.3 °C	729.6 °C
64	0	1	13.0 m	16 m	9 m	1800 kW/m ²	522.9 °C	548.2 °C



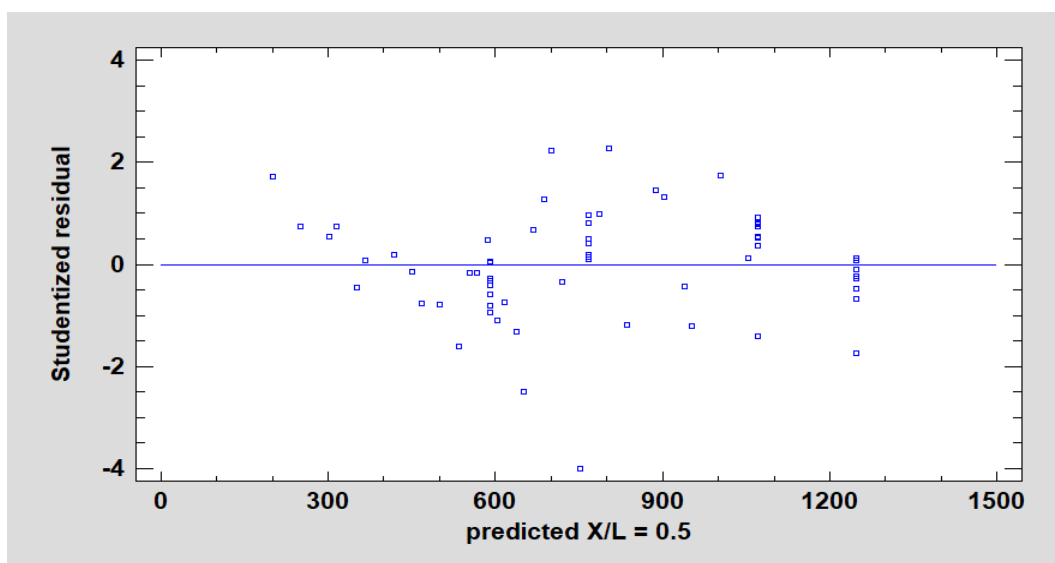
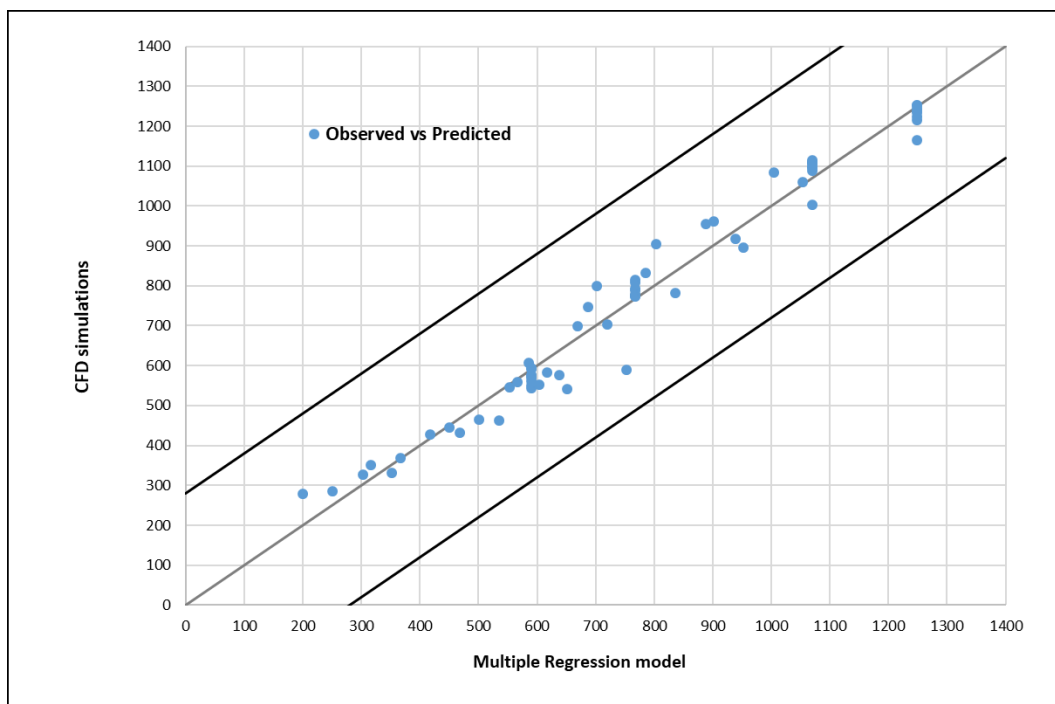
Model	Observed	Predicted	Residual	Studentized Res.
22	257.3 °C	167.6 °C	89.6 °C	2.09
37	761.8 °C	668.1 °C	93.7 °C	2.2
45	875.3 °C	778.2 °C	97.1 °C	2.29
53	496.8 °C	613.7 °C	-116.9 °C	-2.82
57	1062.3 °C	969.4 °C	92.9 °C	2.18
61	560.9 °C	723.8 °C	-162.9 °C	-4.23

X/L = 0.5 - WEB

Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
1	1	0	23.4 m	24 m	5 m	2400 kW/m ²	582.9 °C	617.0 °C
2	1	0	23.4 m	24 m	5 m	1800 kW/m ²	464.7 °C	501.2 °C
3	0	0	23.4 m	24 m	5 m	2400 kW/m ²	1214.6 °C	1247.9 °C
4	0	0	23.4 m	24 m	5 m	1800 kW/m ²	1088.0 °C	1070.3 °C
5	1	0	23.4 m	24 m	9 m	2400 kW/m ²	369.3 °C	366.2 °C
6	1	0	23.4 m	24 m	9 m	1800 kW/m ²	284.9 °C	250.4 °C
7	0	0	23.4 m	24 m	9 m	2400 kW/m ²	775.1 °C	767.9 °C
8	0	0	23.4 m	24 m	9 m	1800 kW/m ²	570.1 °C	590.2 °C
9	1	0	23.4 m	16 m	5 m	2400 kW/m ²	703.5 °C	719.2 °C
10	1	0	23.4 m	16 m	5 m	1800 kW/m ²	552.9 °C	603.4 °C
11	0	0	23.4 m	16 m	5 m	2400 kW/m ²	1224.8 °C	1247.9 °C
12	0	0	23.4 m	16 m	5 m	1800 kW/m ²	1096.9 °C	1070.3 °C
13	1	0	23.4 m	16 m	9 m	2400 kW/m ²	432.5 °C	468.3 °C
14	1	0	23.4 m	16 m	9 m	1800 kW/m ²	331.2 °C	352.6 °C
15	0	0	23.4 m	16 m	9 m	2400 kW/m ²	788.0 °C	767.9 °C
16	0	0	23.4 m	16 m	9 m	1800 kW/m ²	591.7 °C	590.2 °C
17	1	0	13.0 m	24 m	5 m	2400 kW/m ²	559.2 °C	566.7 °C
18	1	0	13.0 m	24 m	5 m	1800 kW/m ²	444.7 °C	451.0 °C
19	0	0	13.0 m	24 m	5 m	2400 kW/m ²	1234.4 °C	1247.9 °C
20	0	0	13.0 m	24 m	5 m	1800 kW/m ²	1115.1 °C	1070.3 °C
21	1	0	13.0 m	24 m	9 m	2400 kW/m ²	350.5 °C	315.9 °C
22	1	0	13.0 m	24 m	9 m	1800 kW/m ²	278.3 °C	200.2 °C
23	0	0	13.0 m	24 m	9 m	2400 kW/m ²	792.4 °C	767.9 °C
24	0	0	13.0 m	24 m	9 m	1800 kW/m ²	576.7 °C	590.2 °C
25	1	0	13.0 m	16 m	5 m	2400 kW/m ²	699.9 °C	668.9 °C
26	1	0	13.0 m	16 m	5 m	1800 kW/m ²	545.6 °C	553.1 °C
27	0	0	13.0 m	16 m	5 m	2400 kW/m ²	1236.8 °C	1247.9 °C
28	0	0	13.0 m	16 m	5 m	1800 kW/m ²	1109.6 °C	1070.3 °C
29	1	0	13.0 m	16 m	9 m	2400 kW/m ²	426.6 °C	418.1 °C
30	1	0	13.0 m	16 m	9 m	1800 kW/m ²	327.8 °C	302.3 °C
31	0	0	13.0 m	16 m	9 m	2400 kW/m ²	814.7 °C	767.9 °C
32	0	0	13.0 m	16 m	9 m	1800 kW/m ²	592.8 °C	590.2 °C
33	1	1	23.4 m	24 m	5 m	2400 kW/m ²	896.9 °C	952.1 °C
34	1	1	23.4 m	24 m	5 m	1800 kW/m ²	781.5 °C	836.3 °C
35	0	1	23.4 m	24 m	5 m	2400 kW/m ²	1243.3 °C	1247.9 °C
36	0	1	23.4 m	24 m	5 m	1800 kW/m ²	1096.1 °C	1070.3 °C
37	1	1	23.4 m	24 m	9 m	2400 kW/m ²	800.3 °C	701.3 °C



Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
38	1	1	23.4 m	24 m	9 m	1800 kW/m ²	607.9 °C	585.5 °C
39	0	1	23.4 m	24 m	9 m	2400 kW/m ²	777.5 °C	767.9 °C
40	0	1	23.4 m	24 m	9 m	1800 kW/m ²	550.4 °C	590.2 °C
41	1	1	23.4 m	16 m	5 m	2400 kW/m ²	1059.6 °C	1054.3 °C
42	1	1	23.4 m	16 m	5 m	1800 kW/m ²	918.6 °C	938.5 °C
43	0	1	23.4 m	16 m	5 m	2400 kW/m ²	1164.3 °C	1247.9 °C
44	0	1	23.4 m	16 m	5 m	1800 kW/m ²	1002.1 °C	1070.3 °C
45	1	1	23.4 m	16 m	9 m	2400 kW/m ²	904.5 °C	803.5 °C
46	1	1	23.4 m	16 m	9 m	1800 kW/m ²	746.2 °C	687.7 °C
47	0	1	23.4 m	16 m	9 m	2400 kW/m ²	775.1 °C	767.9 °C
48	0	1	23.4 m	16 m	9 m	1800 kW/m ²	544.2 °C	590.2 °C
49	1	1	13.0 m	24 m	5 m	2400 kW/m ²	962.3 °C	901.9 °C
50	1	1	13.0 m	24 m	5 m	1800 kW/m ²	831.7 °C	786.1 °C
51	0	1	13.0 m	24 m	5 m	2400 kW/m ²	1251.5 °C	1247.9 °C
52	0	1	13.0 m	24 m	5 m	1800 kW/m ²	1106.5 °C	1070.3 °C
53	1	1	13.0 m	24 m	9 m	2400 kW/m ²	540.9 °C	651.0 °C
54	1	1	13.0 m	24 m	9 m	1800 kW/m ²	461.9 °C	535.3 °C
55	0	1	13.0 m	24 m	9 m	2400 kW/m ²	773.0 °C	767.9 °C
56	0	1	13.0 m	24 m	9 m	1800 kW/m ²	561.2 °C	590.2 °C
57	1	1	13.0 m	16 m	5 m	2400 kW/m ²	1083.0 °C	1004.0 °C
58	1	1	13.0 m	16 m	5 m	1800 kW/m ²	954.9 °C	888.3 °C
59	0	1	13.0 m	16 m	5 m	2400 kW/m ²	1253.6 °C	1247.9 °C
60	0	1	13.0 m	16 m	5 m	1800 kW/m ²	1108.3 °C	1070.3 °C
61	1	1	13.0 m	16 m	9 m	2400 kW/m ²	589.7 °C	753.2 °C
62	1	1	13.0 m	16 m	9 m	1800 kW/m ²	576.6 °C	637.5 °C
63	0	1	13.0 m	16 m	9 m	2400 kW/m ²	807.3 °C	767.9 °C
64	0	1	13.0 m	16 m	9 m	1800 kW/m ²	574.2 °C	590.2 °C



Model	Observed	Predicted	Residual	Studentized Res.
37	800.3 °C	701.3 °C	99.0 °C	2.22
45	904.5 °C	803.5 °C	101.0 °C	2.27
53	540.9 °C	651.0 °C	-110.1 °C	-2.5
61	589.7 °C	753.2 °C	-163.6 °C	-4

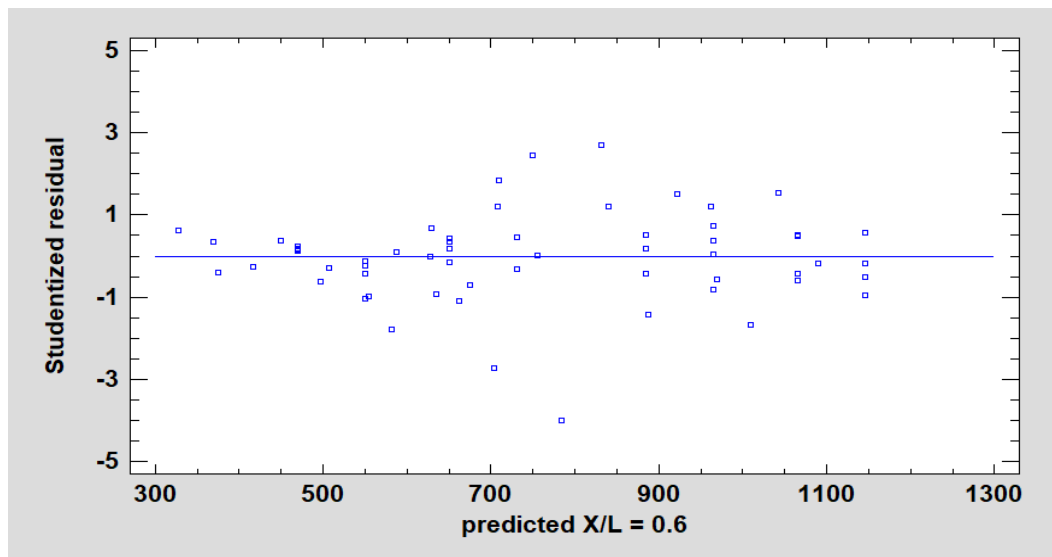
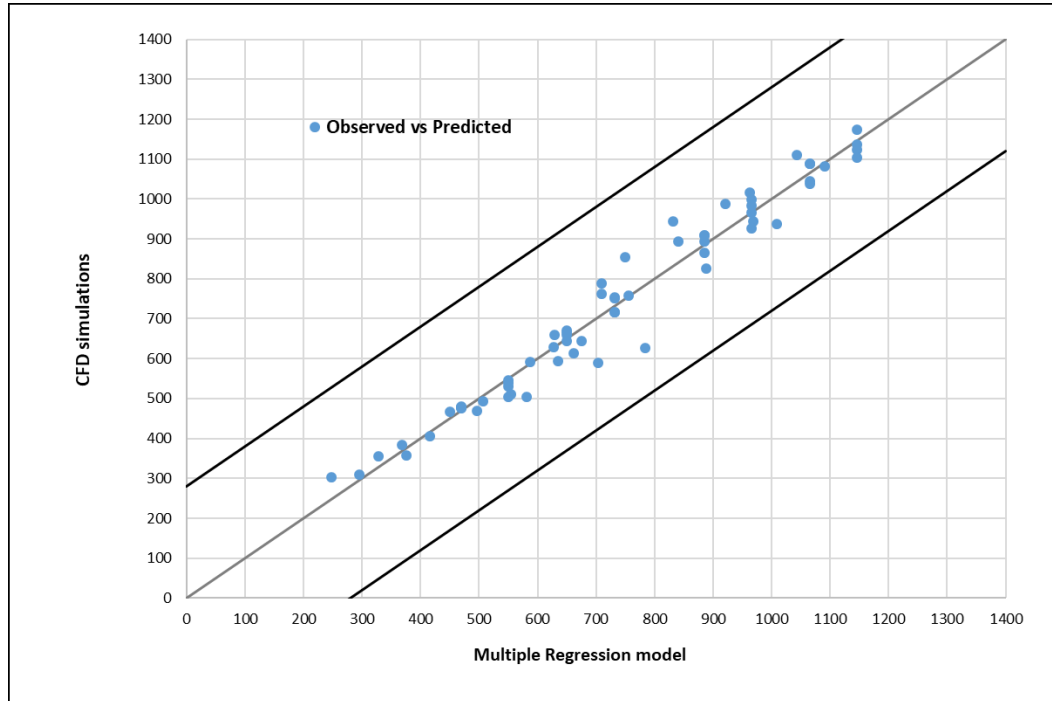


X/L = 0.6 - WEB

Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
1	1	0	23.4 m	24 m	5 m	2400 kW/m2	643.6 °C	675.3 °C
2	1	0	23.4 m	24 m	5 m	1800 kW/m2	510.3 °C	553.9 °C
3	0	0	23.4 m	24 m	5 m	2400 kW/m2	1037.2 °C	1065.2 °C
4	0	0	23.4 m	24 m	5 m	1800 kW/m2	864.9 °C	884.7 °C
5	1	0	23.4 m	24 m	9 m	2400 kW/m2	405.0 °C	416.3 °C
6	1	0	23.4 m	24 m	9 m	1800 kW/m2	308.3 °C	294.9 °C
7	0	0	23.4 m	24 m	9 m	2400 kW/m2	643.6 °C	650.4 °C
8	0	0	23.4 m	24 m	9 m	1800 kW/m2	477.0 °C	469.8 °C
9	1	0	23.4 m	16 m	5 m	2400 kW/m2	756.9 °C	756.0 °C
10	1	0	23.4 m	16 m	5 m	1800 kW/m2	594.2 °C	634.7 °C
11	0	0	23.4 m	16 m	5 m	2400 kW/m2	1122.5 °C	1145.9 °C
12	0	0	23.4 m	16 m	5 m	1800 kW/m2	966.7 °C	965.4 °C
13	1	0	23.4 m	16 m	9 m	2400 kW/m2	469.5 °C	497.0 °C
14	1	0	23.4 m	16 m	9 m	1800 kW/m2	358.3 °C	375.6 °C
15	0	0	23.4 m	16 m	9 m	2400 kW/m2	716.1 °C	731.1 °C
16	0	0	23.4 m	16 m	9 m	1800 kW/m2	530.6 °C	550.6 °C
17	1	0	13.0 m	24 m	5 m	2400 kW/m2	627.8 °C	628.0 °C
18	1	0	13.0 m	24 m	5 m	1800 kW/m2	493.3 °C	506.7 °C
19	0	0	13.0 m	24 m	5 m	2400 kW/m2	1044.9 °C	1065.2 °C
20	0	0	13.0 m	24 m	5 m	1800 kW/m2	892.7 °C	884.7 °C
21	1	0	13.0 m	24 m	9 m	2400 kW/m2	384.0 °C	369.0 °C
22	1	0	13.0 m	24 m	9 m	1800 kW/m2	301.8 °C	247.7 °C
23	0	0	13.0 m	24 m	9 m	2400 kW/m2	665.8 °C	650.4 °C
24	0	0	13.0 m	24 m	9 m	1800 kW/m2	480.5 °C	469.8 °C
25	1	0	13.0 m	16 m	5 m	2400 kW/m2	762.0 °C	708.8 °C
26	1	0	13.0 m	16 m	5 m	1800 kW/m2	592.3 °C	587.4 °C
27	0	0	13.0 m	16 m	5 m	2400 kW/m2	1137.1 °C	1145.9 °C
28	0	0	13.0 m	16 m	5 m	1800 kW/m2	982.3 °C	965.4 °C
29	1	0	13.0 m	16 m	9 m	2400 kW/m2	466.1 °C	449.7 °C
30	1	0	13.0 m	16 m	9 m	1800 kW/m2	356.1 °C	328.4 °C
31	0	0	13.0 m	16 m	9 m	2400 kW/m2	752.4 °C	731.1 °C
32	0	0	13.0 m	16 m	9 m	1800 kW/m2	539.9 °C	550.6 °C
33	1	1	23.4 m	24 m	5 m	2400 kW/m2	937.0 °C	1009.4 °C
34	1	1	23.4 m	24 m	5 m	1800 kW/m2	825.7 °C	888.1 °C
35	0	1	23.4 m	24 m	5 m	2400 kW/m2	1087.9 °C	1065.2 °C
36	0	1	23.4 m	24 m	5 m	1800 kW/m2	908.9 °C	884.7 °C
37	1	1	23.4 m	24 m	9 m	2400 kW/m2	853.7 °C	750.4 °C



Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
38	1	1	23.4 m	24 m	9 m	1800 kW/m ²	659.4 °C	629.1 °C
39	0	1	23.4 m	24 m	9 m	2400 kW/m ²	659.2 °C	650.4 °C
40	0	1	23.4 m	24 m	9 m	1800 kW/m ²	475.9 °C	469.8 °C
41	1	1	23.4 m	16 m	5 m	2400 kW/m ²	1081.7 °C	1090.2 °C
42	1	1	23.4 m	16 m	5 m	1800 kW/m ²	943.6 °C	968.8 °C
43	0	1	23.4 m	16 m	5 m	2400 kW/m ²	1102.7 °C	1145.9 °C
44	0	1	23.4 m	16 m	5 m	1800 kW/m ²	927.4 °C	965.4 °C
45	1	1	23.4 m	16 m	9 m	2400 kW/m ²	944.4 °C	831.1 °C
46	1	1	23.4 m	16 m	9 m	1800 kW/m ²	789.0 °C	709.8 °C
47	0	1	23.4 m	16 m	9 m	2400 kW/m ²	716.7 °C	731.1 °C
48	0	1	23.4 m	16 m	9 m	1800 kW/m ²	503.6 °C	550.6 °C
49	1	1	13.0 m	24 m	5 m	2400 kW/m ²	1015.3 °C	962.2 °C
50	1	1	13.0 m	24 m	5 m	1800 kW/m ²	893.9 °C	840.8 °C
51	0	1	13.0 m	24 m	5 m	2400 kW/m ²	1088.9 °C	1065.2 °C
52	0	1	13.0 m	24 m	5 m	1800 kW/m ²	908.7 °C	884.7 °C
53	1	1	13.0 m	24 m	9 m	2400 kW/m ²	589.3 °C	703.2 °C
54	1	1	13.0 m	24 m	9 m	1800 kW/m ²	504.2 °C	581.8 °C
55	0	1	13.0 m	24 m	9 m	2400 kW/m ²	670.0 °C	650.4 °C
56	0	1	13.0 m	24 m	9 m	1800 kW/m ²	478.3 °C	469.8 °C
57	1	1	13.0 m	16 m	5 m	2400 kW/m ²	1109.8 °C	1042.9 °C
58	1	1	13.0 m	16 m	5 m	1800 kW/m ²	987.5 °C	921.6 °C
59	0	1	13.0 m	16 m	5 m	2400 kW/m ²	1172.7 °C	1145.9 °C
60	0	1	13.0 m	16 m	5 m	1800 kW/m ²	999.2 °C	965.4 °C
61	1	1	13.0 m	16 m	9 m	2400 kW/m ²	627.2 °C	783.9 °C
62	1	1	13.0 m	16 m	9 m	1800 kW/m ²	614.1 °C	662.5 °C
63	0	1	13.0 m	16 m	9 m	2400 kW/m ²	752.6 °C	731.1 °C
64	0	1	13.0 m	16 m	9 m	1800 kW/m ²	545.3 °C	550.6 °C



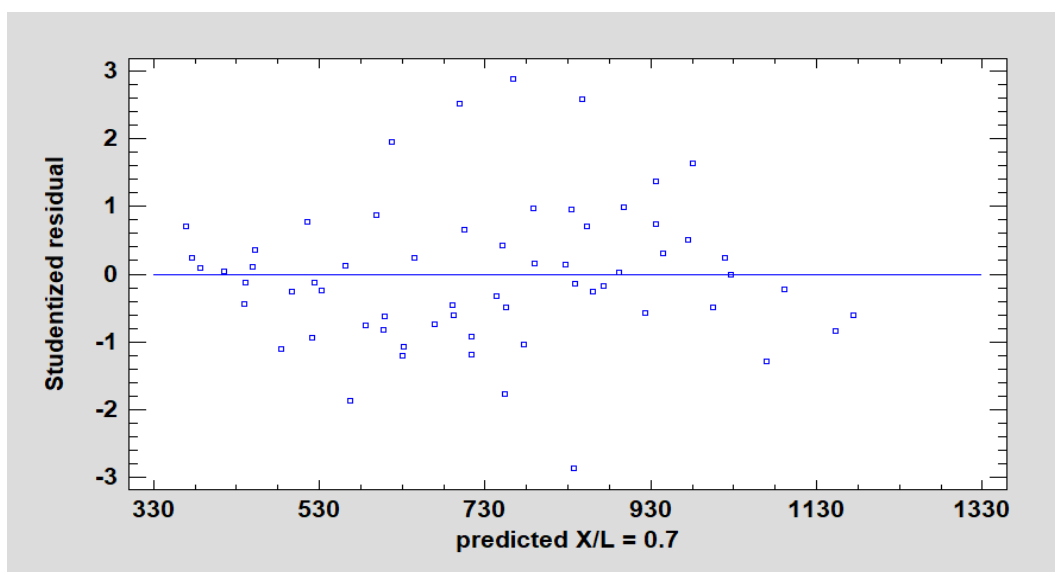
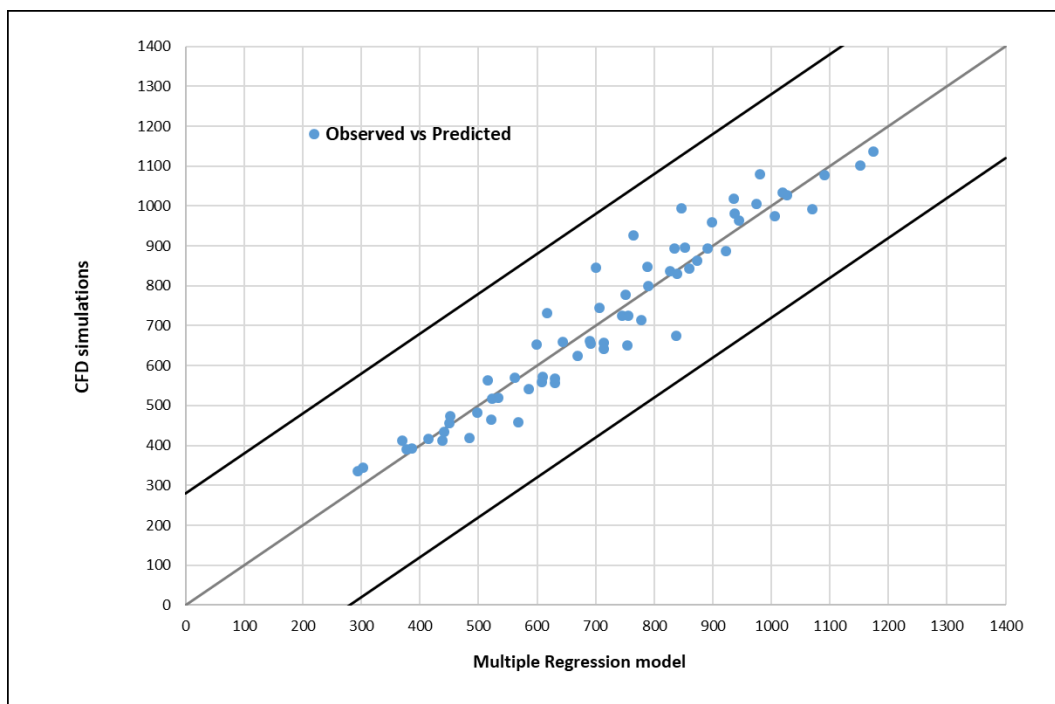
Model	Observed	Predicted	Residual	Studentized Res.
37	853.7 °C	750.4 °C	103.3 °C	2.45
45	944.4 °C	831.1 °C	113.3 °C	2.71
53	589.4 °C	703.2 °C	-113.8 °C	-2.73
61	627.2 °C	783.9 °C	-156.7 °C	-4.01

X/L = 0.7 - WEB

Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
1	1	0	23.4 m	24 m	5 m	2400 kW/m ²	726.0 °C	755.9 °C
2	1	0	23.4 m	24 m	5 m	1800 kW/m ²	571.2 °C	609.1 °C
3	0	0	23.4 m	24 m	5 m	2400 kW/m ²	893.3 °C	891.4 °C
4	0	0	23.4 m	24 m	5 m	1800 kW/m ²	725.1 °C	744.6 °C
5	1	0	23.4 m	24 m	9 m	2400 kW/m ²	456.9 °C	450.3 °C
6	1	0	23.4 m	24 m	9 m	1800 kW/m ²	344.8 °C	303.5 °C
7	0	0	23.4 m	24 m	9 m	2400 kW/m ²	540.5 °C	585.7 °C
8	0	0	23.4 m	24 m	9 m	1800 kW/m ²	412.8 °C	439.0 °C
9	1	0	23.4 m	16 m	5 m	2400 kW/m ²	830.7 °C	838.8 °C
10	1	0	23.4 m	16 m	5 m	1800 kW/m ²	655.7 °C	692.0 °C
11	0	0	23.4 m	16 m	5 m	2400 kW/m ²	1004.8 °C	974.3 °C
12	0	0	23.4 m	16 m	5 m	1800 kW/m ²	835.7 °C	827.5 °C
13	1	0	23.4 m	16 m	9 m	2400 kW/m ²	518.6 °C	533.2 °C
14	1	0	23.4 m	16 m	9 m	1800 kW/m ²	391.8 °C	386.4 °C
15	0	0	23.4 m	16 m	9 m	2400 kW/m ²	624.7 °C	668.7 °C
16	0	0	23.4 m	16 m	9 m	1800 kW/m ²	465.8 °C	521.9 °C
17	1	0	13.0 m	24 m	5 m	2400 kW/m ²	714.0 °C	777.4 °C
18	1	0	13.0 m	24 m	5 m	1800 kW/m ²	556.6 °C	630.6 °C
19	0	0	13.0 m	24 m	5 m	2400 kW/m ²	895.9 °C	852.6 °C
20	0	0	13.0 m	24 m	5 m	1800 kW/m ²	745.7 °C	705.8 °C
21	1	0	13.0 m	24 m	9 m	2400 kW/m ²	433.4 °C	440.8 °C
22	1	0	13.0 m	24 m	9 m	1800 kW/m ²	336.5 °C	294.0 °C
23	0	0	13.0 m	24 m	9 m	2400 kW/m ²	563.6 °C	516.0 °C
24	0	0	13.0 m	24 m	9 m	1800 kW/m ²	412.8 °C	369.2 °C
25	1	0	13.0 m	16 m	5 m	2400 kW/m ²	844.1 °C	860.3 °C
26	1	0	13.0 m	16 m	5 m	1800 kW/m ²	657.0 °C	713.5 °C
27	0	0	13.0 m	16 m	5 m	2400 kW/m ²	1018.5 °C	935.5 °C
28	0	0	13.0 m	16 m	5 m	1800 kW/m ²	848.0 °C	788.7 °C
29	1	0	13.0 m	16 m	9 m	2400 kW/m ²	516.5 °C	523.7 °C
30	1	0	13.0 m	16 m	9 m	1800 kW/m ²	391.2 °C	376.9 °C
31	0	0	13.0 m	16 m	9 m	2400 kW/m ²	652.4 °C	598.9 °C
32	0	0	13.0 m	16 m	9 m	1800 kW/m ²	474.1 °C	452.1 °C
33	1	1	23.4 m	24 m	5 m	2400 kW/m ²	991.7 °C	1069.5 °C
34	1	1	23.4 m	24 m	5 m	1800 kW/m ²	887.7 °C	922.8 °C
35	0	1	23.4 m	24 m	5 m	2400 kW/m ²	982.0 °C	936.8 °C
36	0	1	23.4 m	24 m	5 m	1800 kW/m ²	799.9 °C	790.1 °C
37	1	1	23.4 m	24 m	9 m	2400 kW/m ²	926.8 °C	763.9 °C



Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
38	1	1	23.4 m	24 m	9 m	1800 kW/m ²	731.9 °C	617.2 °C
39	0	1	23.4 m	24 m	9 m	2400 kW/m ²	567.2 °C	631.2 °C
40	0	1	23.4 m	24 m	9 m	1800 kW/m ²	418.0 °C	484.5 °C
41	1	1	23.4 m	16 m	5 m	2400 kW/m ²	1101.4 °C	1152.4 °C
42	1	1	23.4 m	16 m	5 m	1800 kW/m ²	975.4 °C	1005.7 °C
43	0	1	23.4 m	16 m	5 m	2400 kW/m ²	1034.7 °C	1019.8 °C
44	0	1	23.4 m	16 m	5 m	1800 kW/m ²	862.7 °C	873.0 °C
45	1	1	23.4 m	16 m	9 m	2400 kW/m ²	994.6 °C	846.8 °C
46	1	1	23.4 m	16 m	9 m	1800 kW/m ²	844.9 °C	700.1 °C
47	0	1	23.4 m	16 m	9 m	2400 kW/m ²	642.9 °C	714.1 °C
48	0	1	23.4 m	16 m	9 m	1800 kW/m ²	457.3 °C	567.4 °C
49	1	1	13.0 m	24 m	5 m	2400 kW/m ²	1076.8 °C	1091.0 °C
50	1	1	13.0 m	24 m	5 m	1800 kW/m ²	963.3 °C	944.2 °C
51	0	1	13.0 m	24 m	5 m	2400 kW/m ²	958.4 °C	898.1 °C
52	0	1	13.0 m	24 m	5 m	1800 kW/m ²	776.9 °C	751.3 °C
53	1	1	13.0 m	24 m	9 m	2400 kW/m ²	649.8 °C	754.4 °C
54	1	1	13.0 m	24 m	9 m	1800 kW/m ²	558.3 °C	607.6 °C
55	0	1	13.0 m	24 m	9 m	2400 kW/m ²	569.2 °C	561.5 °C
56	0	1	13.0 m	24 m	9 m	1800 kW/m ²	417.7 °C	414.7 °C
57	1	1	13.0 m	16 m	5 m	2400 kW/m ²	1137.3 °C	1173.9 °C
58	1	1	13.0 m	16 m	5 m	1800 kW/m ²	1026.6 °C	1027.1 °C
59	0	1	13.0 m	16 m	5 m	2400 kW/m ²	1079.2 °C	981.0 °C
60	0	1	13.0 m	16 m	5 m	1800 kW/m ²	892.7 °C	834.2 °C
61	1	1	13.0 m	16 m	9 m	2400 kW/m ²	675.3 °C	837.3 °C
62	1	1	13.0 m	16 m	9 m	1800 kW/m ²	662.5 °C	690.5 °C
63	0	1	13.0 m	16 m	9 m	2400 kW/m ²	658.6 °C	644.4 °C
64	0	1	13.0 m	16 m	9 m	1800 kW/m ²	482.5 °C	497.6 °C



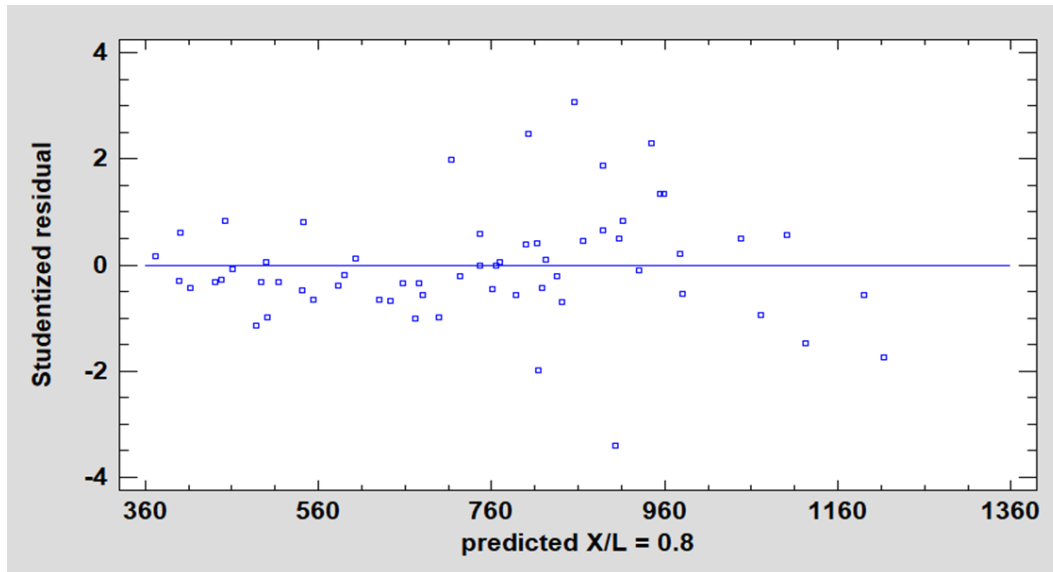
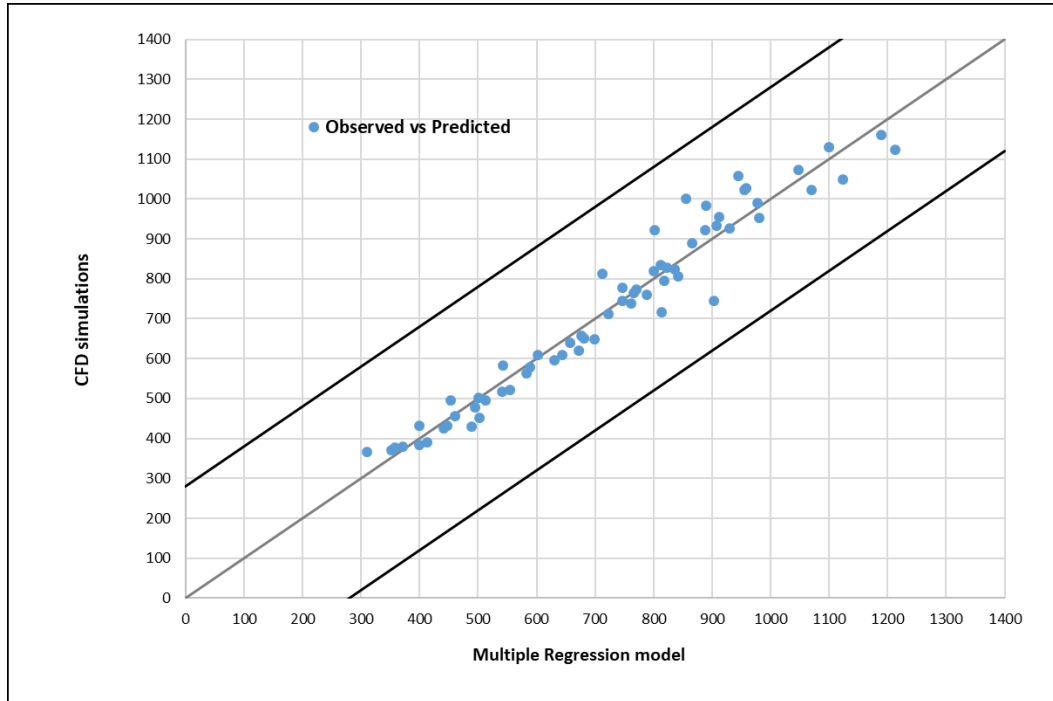
Model	Observed	Predicted	Residual	Studentized Res.
37	926.8 °C	763.9 °C	162.8 °C	2.89
45	994.6 °C	846.8 °C	147.8 °C	2.58
46	844.9 °C	700.1 °C	144.8 °C	2.53
61	675.3 °C	837.3 °C	-162.0 °C	-2.87

X/L = 0.8 - WEB

Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
1	1	0	23.4 m	24 m	5 m	2400 kW/m2	827.7 °C	822.9 °C
2	1	0	23.4 m	24 m	5 m	1800 kW/m2	651.4 °C	680.8 °C
3	0	0	23.4 m	24 m	5 m	2400 kW/m2	805.3 °C	841.3 °C
4	0	0	23.4 m	24 m	5 m	1800 kW/m2	648.7 °C	699.2 °C
5	1	0	23.4 m	24 m	9 m	2400 kW/m2	521.3 °C	554.7 °C
6	1	0	23.4 m	24 m	9 m	1800 kW/m2	390.2 °C	412.6 °C
7	0	0	23.4 m	24 m	9 m	2400 kW/m2	477.3 °C	494.3 °C
8	0	0	23.4 m	24 m	9 m	1800 kW/m2	369.7 °C	352.2 °C
9	1	0	23.4 m	16 m	5 m	2400 kW/m2	954.5 °C	912.1 °C
10	1	0	23.4 m	16 m	5 m	1800 kW/m2	772.7 °C	770.0 °C
11	0	0	23.4 m	16 m	5 m	2400 kW/m2	925.8 °C	930.5 °C
12	0	0	23.4 m	16 m	5 m	1800 kW/m2	759.4 °C	788.4 °C
13	1	0	23.4 m	16 m	9 m	2400 kW/m2	609.6 °C	643.9 °C
14	1	0	23.4 m	16 m	9 m	1800 kW/m2	452.1 °C	501.8 °C
15	0	0	23.4 m	16 m	9 m	2400 kW/m2	563.3 °C	583.5 °C
16	0	0	23.4 m	16 m	9 m	1800 kW/m2	425.1 °C	441.4 °C
17	1	0	13.0 m	24 m	5 m	2400 kW/m2	819.7 °C	800.0 °C
18	1	0	13.0 m	24 m	5 m	1800 kW/m2	639.5 °C	657.9 °C
19	0	0	13.0 m	24 m	5 m	2400 kW/m2	795.7 °C	818.4 °C
20	0	0	13.0 m	24 m	5 m	1800 kW/m2	658.3 °C	676.3 °C
21	1	0	13.0 m	24 m	9 m	2400 kW/m2	496.3 °C	513.4 °C
22	1	0	13.0 m	24 m	9 m	1800 kW/m2	379.4 °C	371.3 °C
23	0	0	13.0 m	24 m	9 m	2400 kW/m2	495.9 °C	453.0 °C
24	0	0	13.0 m	24 m	9 m	1800 kW/m2	366.7 °C	310.9 °C
25	1	0	13.0 m	16 m	5 m	2400 kW/m2	982.8 °C	889.2 °C
26	1	0	13.0 m	16 m	5 m	1800 kW/m2	777.4 °C	747.1 °C
27	0	0	13.0 m	16 m	5 m	2400 kW/m2	933.8 °C	907.6 °C
28	0	0	13.0 m	16 m	5 m	1800 kW/m2	765.2 °C	765.5 °C
29	1	0	13.0 m	16 m	9 m	2400 kW/m2	609.1 °C	602.6 °C
30	1	0	13.0 m	16 m	9 m	1800 kW/m2	456.7 °C	460.5 °C
31	0	0	13.0 m	16 m	9 m	2400 kW/m2	583.1 °C	542.2 °C
32	0	0	13.0 m	16 m	9 m	1800 kW/m2	431.4 °C	400.1 °C
33	1	1	23.4 m	24 m	5 m	2400 kW/m2	1048.0 °C	1123.4 °C
34	1	1	23.4 m	24 m	5 m	1800 kW/m2	953.3 °C	981.3 °C
35	0	1	23.4 m	24 m	5 m	2400 kW/m2	922.3 °C	888.6 °C
36	0	1	23.4 m	24 m	5 m	1800 kW/m2	745.5 °C	746.5 °C
37	1	1	23.4 m	24 m	9 m	2400 kW/m2	1000.6 °C	855.1 °C



Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
38	1	1	23.4 m	24 m	9 m	1800 kW/m ²	811.9 °C	713.0 °C
39	0	1	23.4 m	24 m	9 m	2400 kW/m ²	516.6 °C	541.6 °C
40	0	1	23.4 m	24 m	9 m	1800 kW/m ²	384.7 °C	399.5 °C
41	1	1	23.4 m	16 m	5 m	2400 kW/m ²	1124.3 °C	1212.6 °C
42	1	1	23.4 m	16 m	5 m	1800 kW/m ²	1022.5 °C	1070.5 °C
43	0	1	23.4 m	16 m	5 m	2400 kW/m ²	989.2 °C	977.8 °C
44	0	1	23.4 m	16 m	5 m	1800 kW/m ²	824.5 °C	835.7 °C
45	1	1	23.4 m	16 m	9 m	2400 kW/m ²	1057.2 °C	944.3 °C
46	1	1	23.4 m	16 m	9 m	1800 kW/m ²	922.9 °C	802.2 °C
47	0	1	23.4 m	16 m	9 m	2400 kW/m ²	596.8 °C	630.8 °C
48	0	1	23.4 m	16 m	9 m	1800 kW/m ²	430.5 °C	488.7 °C
49	1	1	13.0 m	24 m	5 m	2400 kW/m ²	1129.5 °C	1100.4 °C
50	1	1	13.0 m	24 m	5 m	1800 kW/m ²	1026.4 °C	958.4 °C
51	0	1	13.0 m	24 m	5 m	2400 kW/m ²	889.5 °C	865.7 °C
52	0	1	13.0 m	24 m	5 m	1800 kW/m ²	713.0 °C	723.6 °C
53	1	1	13.0 m	24 m	9 m	2400 kW/m ²	715.7 °C	813.9 °C
54	1	1	13.0 m	24 m	9 m	1800 kW/m ²	620.4 °C	671.8 °C
55	0	1	13.0 m	24 m	9 m	2400 kW/m ²	503.0 °C	500.3 °C
56	0	1	13.0 m	24 m	9 m	1800 kW/m ²	376.6 °C	358.2 °C
57	1	1	13.0 m	16 m	5 m	2400 kW/m ²	1160.1 °C	1189.6 °C
58	1	1	13.0 m	16 m	5 m	1800 kW/m ²	1073.9 °C	1047.6 °C
59	0	1	13.0 m	16 m	5 m	2400 kW/m ²	1023.3 °C	954.9 °C
60	0	1	13.0 m	16 m	5 m	1800 kW/m ²	833.5 °C	812.8 °C
61	1	1	13.0 m	16 m	9 m	2400 kW/m ²	744.1 °C	903.1 °C
62	1	1	13.0 m	16 m	9 m	1800 kW/m ²	737.4 °C	761.0 °C
63	0	1	13.0 m	16 m	9 m	2400 kW/m ²	579.5 °C	589.5 °C
64	0	1	13.0 m	16 m	9 m	1800 kW/m ²	432.9 °C	447.4 °C



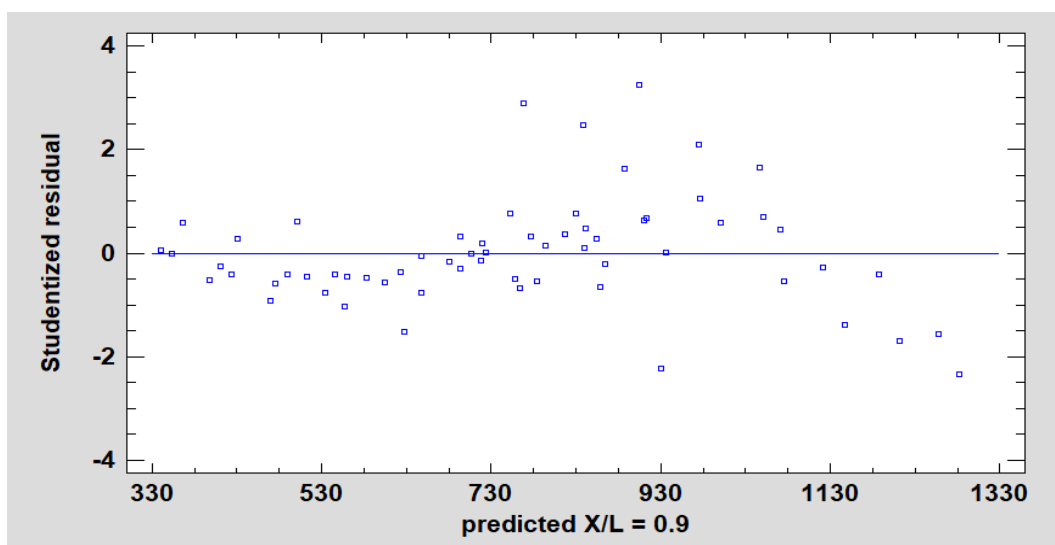
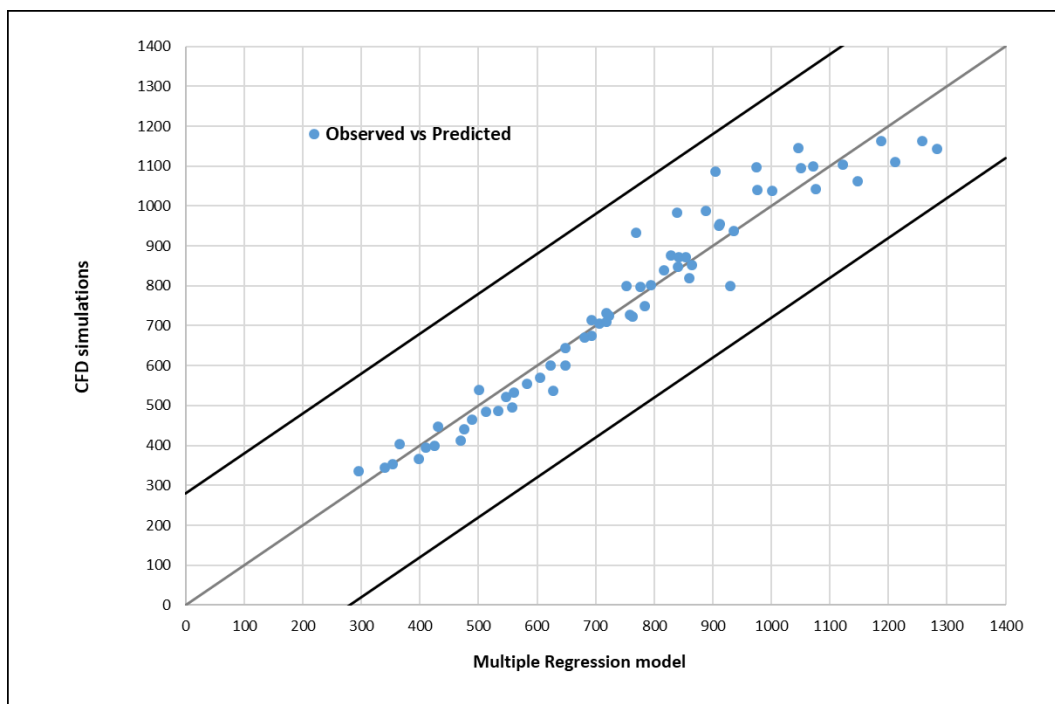
Model	Observed	Predicted	Residual	Studentized Res.
37	1000.6 °C	855.1 °C	145.5 °C	3.07
45	1057.2 °C	944.3 °C	112.9 °C	2.31
46	922.9 °C	802.2 °C	120.6 °C	2.48
61	744.1 °C	903.1 °C	-159.0 °C	-3.42

X/L = 0.9 - WEB

Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
1	1	0	23.4 m	24 m	5 m	2400 kW/m ²	1037.1 °C	1000.9 °C
2	1	0	23.4 m	24 m	5 m	1800 kW/m ²	852.3 °C	865.1 °C
3	0	0	23.4 m	24 m	5 m	2400 kW/m ²	749.8 °C	783.6 °C
4	0	0	23.4 m	24 m	5 m	1800 kW/m ²	601.3 °C	647.8 °C
5	1	0	23.4 m	24 m	9 m	2400 kW/m ²	674.7 °C	693.1 °C
6	1	0	23.4 m	24 m	9 m	1800 kW/m ²	494.7 °C	557.3 °C
7	0	0	23.4 m	24 m	9 m	2400 kW/m ²	439.7 °C	475.8 °C
8	0	0	23.4 m	24 m	9 m	1800 kW/m ²	343.9 °C	340.0 °C
9	1	0	23.4 m	16 m	5 m	2400 kW/m ²	1099.6 °C	1071.6 °C
10	1	0	23.4 m	16 m	5 m	1800 kW/m ²	936.5 °C	935.8 °C
11	0	0	23.4 m	16 m	5 m	2400 kW/m ²	871.8 °C	854.3 °C
12	0	0	23.4 m	16 m	5 m	1800 kW/m ²	710.0 °C	718.5 °C
13	1	0	23.4 m	16 m	9 m	2400 kW/m ²	722.5 °C	763.8 °C
14	1	0	23.4 m	16 m	9 m	1800 kW/m ²	537.2 °C	628.0 °C
15	0	0	23.4 m	16 m	9 m	2400 kW/m ²	521.0 °C	546.5 °C
16	0	0	23.4 m	16 m	9 m	1800 kW/m ²	394.8 °C	410.7 °C
17	1	0	13.0 m	24 m	5 m	2400 kW/m ²	1040.7 °C	975.9 °C
18	1	0	13.0 m	24 m	5 m	1800 kW/m ²	846.8 °C	840.2 °C
19	0	0	13.0 m	24 m	5 m	2400 kW/m ²	727.7 °C	758.6 °C
20	0	0	13.0 m	24 m	5 m	1800 kW/m ²	600.2 °C	622.9 °C
21	1	0	13.0 m	24 m	9 m	2400 kW/m ²	644.6 °C	648.2 °C
22	1	0	13.0 m	24 m	9 m	1800 kW/m ²	484.6 °C	512.4 °C
23	0	0	13.0 m	24 m	9 m	2400 kW/m ²	447.9 °C	430.9 °C
24	0	0	13.0 m	24 m	9 m	1800 kW/m ²	335.5 °C	295.1 °C
25	1	0	13.0 m	16 m	5 m	2400 kW/m ²	1146.3 °C	1046.7 °C
26	1	0	13.0 m	16 m	5 m	1800 kW/m ²	949.6 °C	910.9 °C
27	0	0	13.0 m	16 m	5 m	2400 kW/m ²	876.7 °C	829.4 °C
28	0	0	13.0 m	16 m	5 m	1800 kW/m ²	713.8 °C	693.6 °C
29	1	0	13.0 m	16 m	9 m	2400 kW/m ²	731.0 °C	718.9 °C
30	1	0	13.0 m	16 m	9 m	1800 kW/m ²	553.6 °C	583.1 °C
31	0	0	13.0 m	16 m	9 m	2400 kW/m ²	538.5 °C	501.6 °C
32	0	0	13.0 m	16 m	9 m	1800 kW/m ²	402.4 °C	365.8 °C
33	1	1	23.4 m	24 m	5 m	2400 kW/m ²	1109.3 °C	1211.9 °C
34	1	1	23.4 m	24 m	5 m	1800 kW/m ²	1042.2 °C	1076.2 °C
35	0	1	23.4 m	24 m	5 m	2400 kW/m ²	871.1 °C	842.0 °C
36	0	1	23.4 m	24 m	5 m	1800 kW/m ²	705.3 °C	706.2 °C
37	1	1	23.4 m	24 m	9 m	2400 kW/m ²	1086.4 °C	904.1 °C



Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
38	1	1	23.4 m	24 m	9 m	1800 kW/m2	933.6 °C	768.4 °C
39	0	1	23.4 m	24 m	9 m	2400 kW/m2	487.7 °C	534.2 °C
40	0	1	23.4 m	24 m	9 m	1800 kW/m2	366.9 °C	398.4 °C
41	1	1	23.4 m	16 m	5 m	2400 kW/m2	1143.9 °C	1282.7 °C
42	1	1	23.4 m	16 m	5 m	1800 kW/m2	1062.7 °C	1146.9 °C
43	0	1	23.4 m	16 m	5 m	2400 kW/m2	954.7 °C	912.7 °C
44	0	1	23.4 m	16 m	5 m	1800 kW/m2	797.4 °C	776.9 °C
45	1	1	23.4 m	16 m	9 m	2400 kW/m2	1098.2 °C	974.9 °C
46	1	1	23.4 m	16 m	9 m	1800 kW/m2	983.7 °C	839.1 °C
47	0	1	23.4 m	16 m	9 m	2400 kW/m2	570.5 °C	604.9 °C
48	0	1	23.4 m	16 m	9 m	1800 kW/m2	412.8 °C	469.1 °C
49	1	1	13.0 m	24 m	5 m	2400 kW/m2	1162.0 °C	1187.0 °C
50	1	1	13.0 m	24 m	5 m	1800 kW/m2	1094.6 °C	1051.2 °C
51	0	1	13.0 m	24 m	5 m	2400 kW/m2	839.1 °C	817.0 °C
52	0	1	13.0 m	24 m	5 m	1800 kW/m2	671.5 °C	681.3 °C
53	1	1	13.0 m	24 m	9 m	2400 kW/m2	818.7 °C	859.2 °C
54	1	1	13.0 m	24 m	9 m	1800 kW/m2	724.6 °C	723.5 °C
55	0	1	13.0 m	24 m	9 m	2400 kW/m2	463.8 °C	489.3 °C
56	0	1	13.0 m	24 m	9 m	1800 kW/m2	352.4 °C	353.5 °C
57	1	1	13.0 m	16 m	5 m	2400 kW/m2	1162.7 °C	1257.7 °C
58	1	1	13.0 m	16 m	5 m	1800 kW/m2	1104.7 °C	1122.0 °C
59	0	1	13.0 m	16 m	5 m	2400 kW/m2	986.9 °C	887.8 °C
60	0	1	13.0 m	16 m	5 m	1800 kW/m2	798.9 °C	752.0 °C
61	1	1	13.0 m	16 m	9 m	2400 kW/m2	799.0 °C	930.0 °C
62	1	1	13.0 m	16 m	9 m	1800 kW/m2	802.7 °C	794.2 °C
63	0	1	13.0 m	16 m	9 m	2400 kW/m2	531.5 °C	560.0 °C
64	0	1	13.0 m	16 m	9 m	1800 kW/m2	399.0 °C	424.2 °C



Model	Observed	Predicted	Residual	Studentized Res.
37	1086.4 °C	904.1 °C	182.3 °C	3.24
38	933.6 °C	768.4 °C	165.2 °C	2.89
41	1143.9 °C	1282.7 °C	-138.8 °C	-2.35
45	1098.2 °C	974.9 °C	123.3 °C	2.09
46	983.7 °C	839.1 °C	144.5 °C	2.48
61	799.0 °C	930.0 °C	-131.0 °C	-2.23

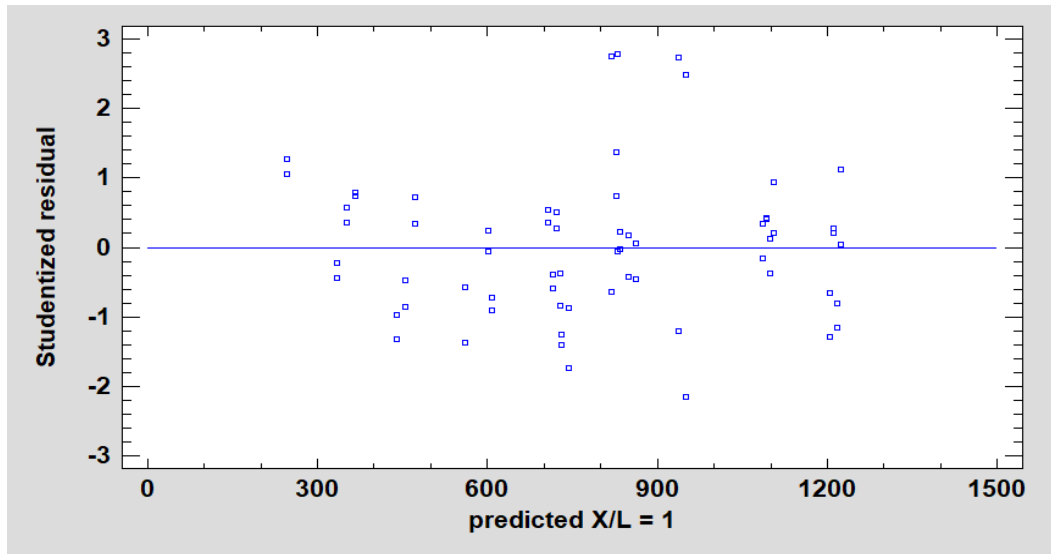
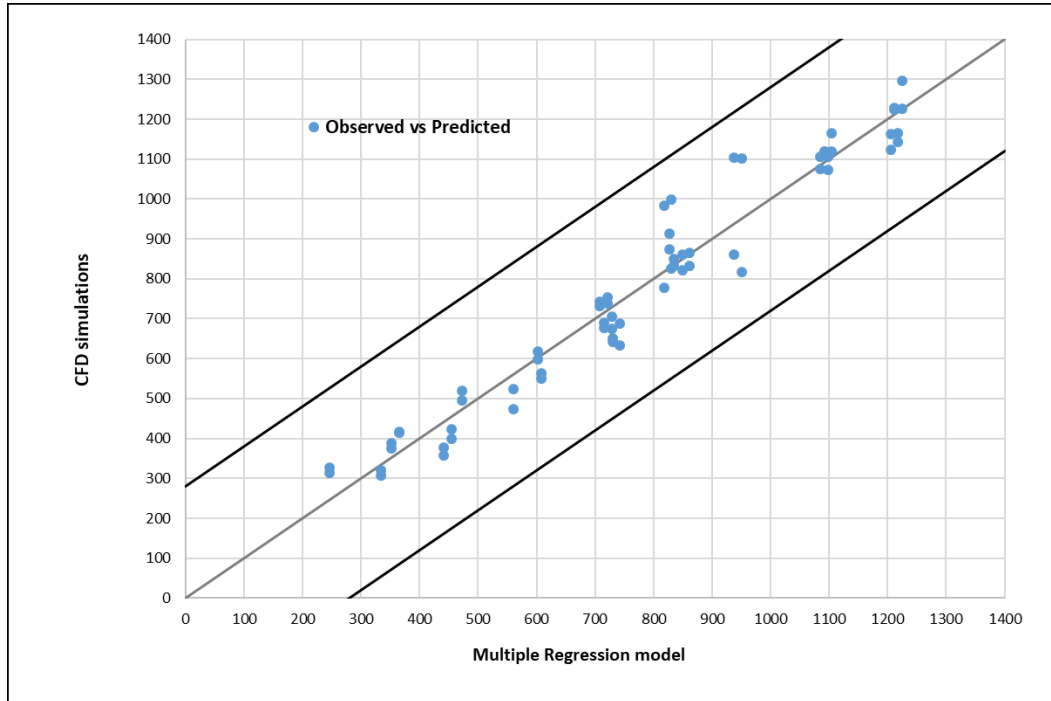


X/L = 1 - WEB

Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
1	1	0	23.4 m	24 m	5 m	2400 kW/m2	1224.9 °C	1211.6 °C
2	1	0	23.4 m	24 m	5 m	1800 kW/m2	1118.8 °C	1092.0 °C
3	0	0	23.4 m	24 m	5 m	2400 kW/m2	704.5 °C	728.3 °C
4	0	0	23.4 m	24 m	5 m	1800 kW/m2	562.1 °C	608.7 °C
5	1	0	23.4 m	24 m	9 m	2400 kW/m2	860.5 °C	849.5 °C
6	1	0	23.4 m	24 m	9 m	1800 kW/m2	650.5 °C	729.9 °C
7	0	0	23.4 m	24 m	9 m	2400 kW/m2	416.5 °C	366.1 °C
8	0	0	23.4 m	24 m	9 m	1800 kW/m2	327.5 °C	246.5 °C
9	1	0	23.4 m	16 m	5 m	2400 kW/m2	1226.4 °C	1224.3 °C
10	1	0	23.4 m	16 m	5 m	1800 kW/m2	1118.4 °C	1104.6 °C
11	0	0	23.4 m	16 m	5 m	2400 kW/m2	833.0 °C	834.5 °C
12	0	0	23.4 m	16 m	5 m	1800 kW/m2	676.9 °C	714.9 °C
13	1	0	23.4 m	16 m	9 m	2400 kW/m2	832.8 °C	862.1 °C
14	1	0	23.4 m	16 m	9 m	1800 kW/m2	633.1 °C	742.5 °C
15	0	0	23.4 m	16 m	9 m	2400 kW/m2	494.6 °C	472.3 °C
16	0	0	23.4 m	16 m	9 m	1800 kW/m2	375.6 °C	352.7 °C
17	1	0	13.0 m	24 m	5 m	2400 kW/m2	1229.0 °C	1211.6 °C
18	1	0	13.0 m	24 m	5 m	1800 kW/m2	1118.0 °C	1092.0 °C
19	0	0	13.0 m	24 m	5 m	2400 kW/m2	674.8 °C	728.3 °C
20	0	0	13.0 m	24 m	5 m	1800 kW/m2	551.0 °C	608.7 °C
21	1	0	13.0 m	24 m	9 m	2400 kW/m2	821.8 °C	849.5 °C
22	1	0	13.0 m	24 m	9 m	1800 kW/m2	641.1 °C	729.9 °C
23	0	0	13.0 m	24 m	9 m	2400 kW/m2	414.0 °C	366.1 °C
24	0	0	13.0 m	24 m	9 m	1800 kW/m2	314.1 °C	246.5 °C
25	1	0	13.0 m	16 m	5 m	2400 kW/m2	1296.3 °C	1224.3 °C
26	1	0	13.0 m	16 m	5 m	1800 kW/m2	1164.9 °C	1104.6 °C
27	0	0	13.0 m	16 m	5 m	2400 kW/m2	849.4 °C	834.5 °C
28	0	0	13.0 m	16 m	5 m	1800 kW/m2	689.2 °C	714.9 °C
29	1	0	13.0 m	16 m	9 m	2400 kW/m2	866.2 °C	862.1 °C
30	1	0	13.0 m	16 m	9 m	1800 kW/m2	687.1 °C	742.5 °C
31	0	0	13.0 m	16 m	9 m	2400 kW/m2	518.4 °C	472.3 °C
32	0	0	13.0 m	16 m	9 m	1800 kW/m2	389.2 °C	352.7 °C
33	1	1	23.4 m	24 m	5 m	2400 kW/m2	1123.1 °C	1204.8 °C
34	1	1	23.4 m	24 m	5 m	1800 kW/m2	1074.9 °C	1085.1 °C
35	0	1	23.4 m	24 m	5 m	2400 kW/m2	753.9 °C	721.4 °C
36	0	1	23.4 m	24 m	5 m	1800 kW/m2	617.3 °C	601.8 °C
37	1	1	23.4 m	24 m	9 m	2400 kW/m2	1103.3 °C	937.5 °C



Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
38	1	1	23.4 m	24 m	9 m	1800 kW/m ²	984.1 °C	817.9 °C
39	0	1	23.4 m	24 m	9 m	2400 kW/m ²	423.6 °C	454.1 °C
40	0	1	23.4 m	24 m	9 m	1800 kW/m ²	320.4 °C	334.5 °C
41	1	1	23.4 m	16 m	5 m	2400 kW/m ²	1143.9 °C	1217.4 °C
42	1	1	23.4 m	16 m	5 m	1800 kW/m ²	1073.9 °C	1097.7 °C
43	0	1	23.4 m	16 m	5 m	2400 kW/m ²	874.7 °C	827.6 °C
44	0	1	23.4 m	16 m	5 m	1800 kW/m ²	731.3 °C	708.0 °C
45	1	1	23.4 m	16 m	9 m	2400 kW/m ²	1101.9 °C	950.1 °C
46	1	1	23.4 m	16 m	9 m	1800 kW/m ²	998.3 °C	830.5 °C
47	0	1	23.4 m	16 m	9 m	2400 kW/m ²	523.8 °C	560.3 °C
48	0	1	23.4 m	16 m	9 m	1800 kW/m ²	378.2 °C	440.7 °C
49	1	1	13.0 m	24 m	5 m	2400 kW/m ²	1162.2 °C	1204.8 °C
50	1	1	13.0 m	24 m	5 m	1800 kW/m ²	1106.6 °C	1085.1 °C
51	0	1	13.0 m	24 m	5 m	2400 kW/m ²	739.2 °C	721.4 °C
52	0	1	13.0 m	24 m	5 m	1800 kW/m ²	598.0 °C	601.8 °C
53	1	1	13.0 m	24 m	9 m	2400 kW/m ²	860.8 °C	937.5 °C
54	1	1	13.0 m	24 m	9 m	1800 kW/m ²	777.0 °C	817.9 °C
55	0	1	13.0 m	24 m	9 m	2400 kW/m ²	399.4 °C	454.1 °C
56	0	1	13.0 m	24 m	9 m	1800 kW/m ²	306.2 °C	334.5 °C
57	1	1	13.0 m	16 m	5 m	2400 kW/m ²	1165.8 °C	1217.4 °C
58	1	1	13.0 m	16 m	5 m	1800 kW/m ²	1105.8 °C	1097.7 °C
59	0	1	13.0 m	16 m	5 m	2400 kW/m ²	914.0 °C	827.6 °C
60	0	1	13.0 m	16 m	5 m	1800 kW/m ²	742.7 °C	708.0 °C
61	1	1	13.0 m	16 m	9 m	2400 kW/m ²	817.1 °C	950.1 °C
62	1	1	13.0 m	16 m	9 m	1800 kW/m ²	826.4 °C	830.5 °C
63	0	1	13.0 m	16 m	9 m	2400 kW/m ²	473.9 °C	560.3 °C
64	0	1	13.0 m	16 m	9 m	1800 kW/m ²	356.8 °C	440.7 °C



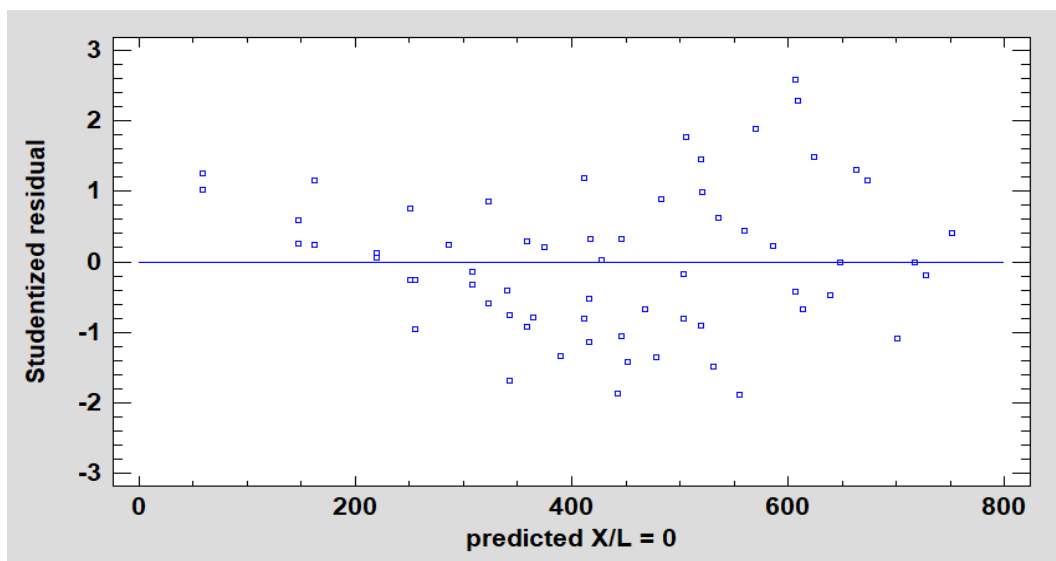
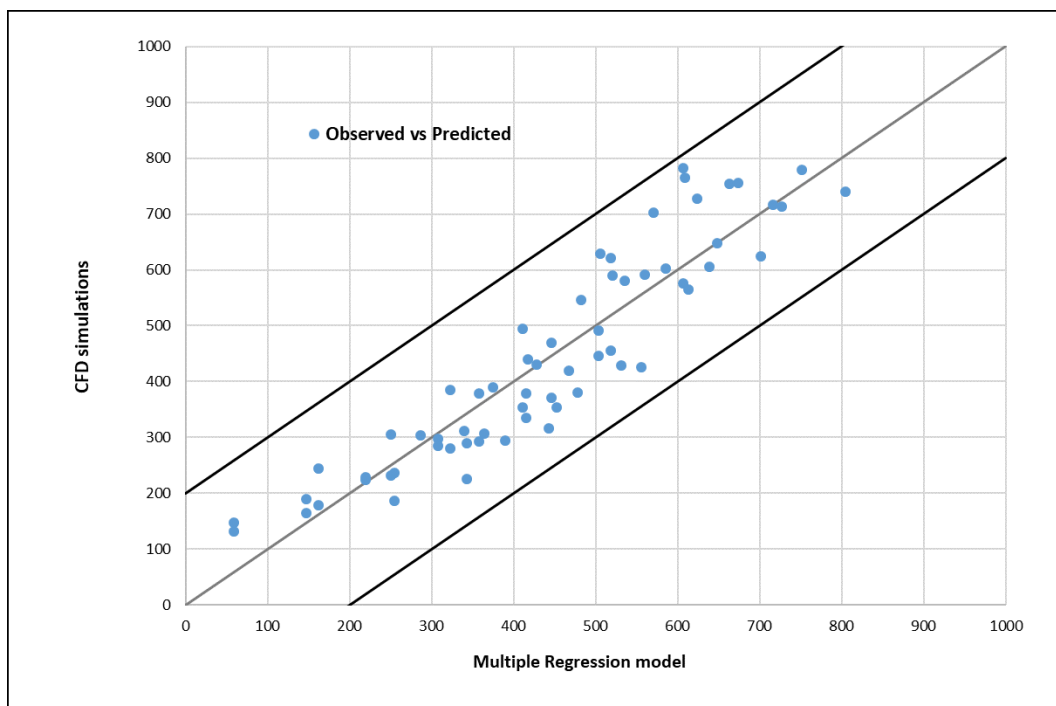
Model	Observed	Predicted	Residual	Studentized Res.
37	1103.3 °C	937.5 °C	165.8 °C	2.75
38	984.1 °C	817.9 °C	166.3 °C	2.75
45	1101.9 °C	950.1 °C	151.8 °C	2.49
46	998.3 °C	830.5 °C	167.8 °C	2.78
61	817.1 °C	950.1 °C	-133.0 °C	-2.15

ALL MODELS – REDUCED VARIABLES

X/L = 0 - BOTTOM FLANGE

Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
1	1	0	23.4 m	24 m	5 m	2400 kW/m ²	289.6 °C	343.1 °C
2	1	0	23.4 m	24 m	5 m	1800 kW/m ²	236.3 °C	255.0 °C
3	0	0	23.4 m	24 m	5 m	2400 kW/m ²	491.8 °C	503.7 °C
4	0	0	23.4 m	24 m	5 m	1800 kW/m ²	378.3 °C	415.6 °C
5	1	0	23.4 m	24 m	9 m	2400 kW/m ²	189.0 °C	147.3 °C
6	1	0	23.4 m	24 m	9 m	1800 kW/m ²	147.4 °C	59.2 °C
7	0	0	23.4 m	24 m	9 m	2400 kW/m ²	297.5 °C	307.9 °C
8	0	0	23.4 m	24 m	9 m	1800 kW/m ²	228.5 °C	219.8 °C
9	1	0	23.4 m	16 m	5 m	2400 kW/m ²	371.6 °C	446.4 °C
10	1	0	23.4 m	16 m	5 m	1800 kW/m ²	292.9 °C	358.3 °C
11	0	0	23.4 m	16 m	5 m	2400 kW/m ²	576.2 °C	607.0 °C
12	0	0	23.4 m	16 m	5 m	1800 kW/m ²	454.9 °C	518.9 °C
13	1	0	23.4 m	16 m	9 m	2400 kW/m ²	232.1 °C	250.5 °C
14	1	0	23.4 m	16 m	9 m	1800 kW/m ²	179.4 °C	162.4 °C
15	0	0	23.4 m	16 m	9 m	2400 kW/m ²	354.1 °C	411.1 °C
16	0	0	23.4 m	16 m	9 m	1800 kW/m ²	280.6 °C	323.0 °C
17	1	0	13.0 m	24 m	5 m	2400 kW/m ²	225.1 °C	343.1 °C
18	1	0	13.0 m	24 m	5 m	1800 kW/m ²	186.9 °C	255.0 °C
19	0	0	13.0 m	24 m	5 m	2400 kW/m ²	446.3 °C	503.7 °C
20	0	0	13.0 m	24 m	5 m	1800 kW/m ²	334.9 °C	415.6 °C
21	1	0	13.0 m	24 m	9 m	2400 kW/m ²	165.4 °C	147.3 °C
22	1	0	13.0 m	24 m	9 m	1800 kW/m ²	131.2 °C	59.2 °C
23	0	0	13.0 m	24 m	9 m	2400 kW/m ²	284.4 °C	307.9 °C
24	0	0	13.0 m	24 m	9 m	1800 kW/m ²	224.5 °C	219.8 °C
25	1	0	13.0 m	16 m	5 m	2400 kW/m ²	469.5 °C	446.4 °C
26	1	0	13.0 m	16 m	5 m	1800 kW/m ²	379.4 °C	358.3 °C
27	0	0	13.0 m	16 m	5 m	2400 kW/m ²	782.1 °C	607.0 °C
28	0	0	13.0 m	16 m	5 m	1800 kW/m ²	621.9 °C	518.9 °C
29	1	0	13.0 m	16 m	9 m	2400 kW/m ²	304.8 °C	250.5 °C
30	1	0	13.0 m	16 m	9 m	1800 kW/m ²	243.9 °C	162.4 °C
31	0	0	13.0 m	16 m	9 m	2400 kW/m ²	495.0 °C	411.1 °C
32	0	0	13.0 m	16 m	9 m	1800 kW/m ²	384.3 °C	323.0 °C
33	1	1	23.4 m	24 m	5 m	2400 kW/m ²	624.6 °C	701.3 °C
34	1	1	23.4 m	24 m	5 m	1800 kW/m ²	564.9 °C	613.2 °C
35	0	1	23.4 m	24 m	5 m	2400 kW/m ²	726.8 °C	623.7 °C

Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
36	0	1	23.4 m	24 m	5 m	1800 kW/m ²	579.9 °C	535.6 °C
37	1	1	23.4 m	24 m	9 m	2400 kW/m ²	628.4 °C	505.4 °C
38	1	1	23.4 m	24 m	9 m	1800 kW/m ²	440.4 °C	417.3 °C
39	0	1	23.4 m	24 m	9 m	2400 kW/m ²	429.9 °C	427.9 °C
40	0	1	23.4 m	24 m	9 m	1800 kW/m ²	310.9 °C	339.8 °C
41	1	1	23.4 m	16 m	5 m	2400 kW/m ²	740.6 °C	804.5 °C
42	1	1	23.4 m	16 m	5 m	1800 kW/m ²	716.3 °C	716.4 °C
43	0	1	23.4 m	16 m	5 m	2400 kW/m ²	713.8 °C	727.0 °C
44	0	1	23.4 m	16 m	5 m	1800 kW/m ²	605.9 °C	638.9 °C
45	1	1	23.4 m	16 m	9 m	2400 kW/m ²	764.3 °C	608.7 °C
46	1	1	23.4 m	16 m	9 m	1800 kW/m ²	590.0 °C	520.6 °C
47	0	1	23.4 m	16 m	9 m	2400 kW/m ²	428.5 °C	531.2 °C
48	0	1	23.4 m	16 m	9 m	1800 kW/m ²	315.6 °C	443.0 °C
49	1	1	13.0 m	24 m	5 m	2400 kW/m ²	647.8 °C	647.9 °C
50	1	1	13.0 m	24 m	5 m	1800 kW/m ²	591.6 °C	559.8 °C
51	0	1	13.0 m	24 m	5 m	2400 kW/m ²	703.0 °C	570.4 °C
52	0	1	13.0 m	24 m	5 m	1800 kW/m ²	545.8 °C	482.3 °C
53	1	1	13.0 m	24 m	9 m	2400 kW/m ²	353.1 °C	452.1 °C
54	1	1	13.0 m	24 m	9 m	1800 kW/m ²	307.5 °C	364.0 °C
55	0	1	13.0 m	24 m	9 m	2400 kW/m ²	389.3 °C	374.6 °C
56	0	1	13.0 m	24 m	9 m	1800 kW/m ²	303.8 °C	286.4 °C
57	1	1	13.0 m	16 m	5 m	2400 kW/m ²	779.7 °C	751.2 °C
58	1	1	13.0 m	16 m	5 m	1800 kW/m ²	754.4 °C	663.1 °C
59	0	1	13.0 m	16 m	5 m	2400 kW/m ²	756.1 °C	673.7 °C
60	0	1	13.0 m	16 m	5 m	1800 kW/m ²	601.8 °C	585.5 °C
61	1	1	13.0 m	16 m	9 m	2400 kW/m ²	425.4 °C	555.3 °C
62	1	1	13.0 m	16 m	9 m	1800 kW/m ²	419.0 °C	467.2 °C
63	0	1	13.0 m	16 m	9 m	2400 kW/m ²	381.0 °C	477.8 °C
64	0	1	13.0 m	16 m	9 m	1800 kW/m ²	294.4 °C	389.7 °C



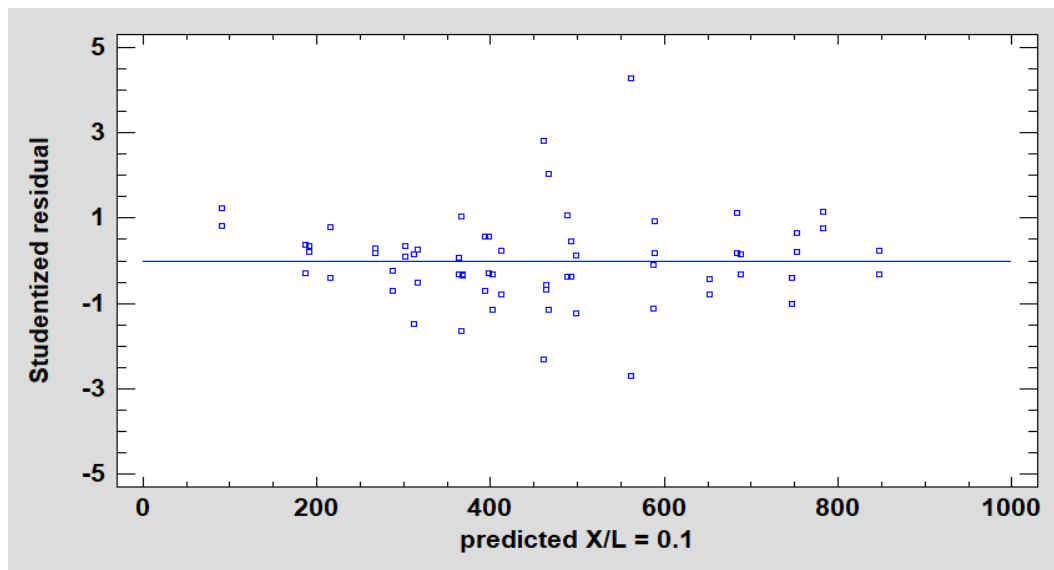
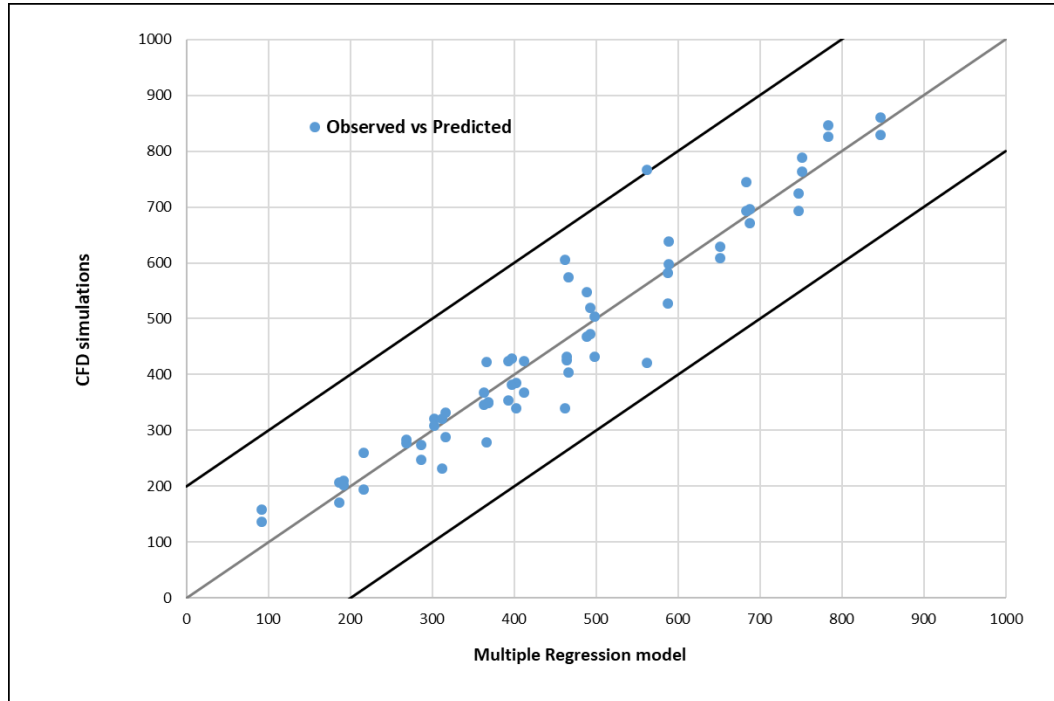
Model	Observed	Predicted	Residual	Studentized Res.
27	782.1 °C	607.0 °C	175.1 °C	2.58
45	764.3 °C	608.7 °C	155.6 °C	2.29

X/L = 0.1 - BOTTOM FLANGE

Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
1	1	0	23.4 m	24 m	5 m	2400 kW/m2	320.6 °C	311.7 °C
2	1	0	23.4 m	24 m	5 m	1800 kW/m2	260.0 °C	216.4 °C
3	0	0	23.4 m	24 m	5 m	2400 kW/m2	547.2 °C	488.5 °C
4	0	0	23.4 m	24 m	5 m	1800 kW/m2	424.1 °C	393.2 °C
5	1	0	23.4 m	24 m	9 m	2400 kW/m2	206.6 °C	186.7 °C
6	1	0	23.4 m	24 m	9 m	1800 kW/m2	158.9 °C	91.4 °C
7	0	0	23.4 m	24 m	9 m	2400 kW/m2	367.7 °C	363.5 °C
8	0	0	23.4 m	24 m	9 m	1800 kW/m2	284.2 °C	268.1 °C
9	1	0	23.4 m	16 m	5 m	2400 kW/m2	424.4 °C	412.0 °C
10	1	0	23.4 m	16 m	5 m	1800 kW/m2	331.8 °C	316.6 °C
11	0	0	23.4 m	16 m	5 m	2400 kW/m2	638.8 °C	588.7 °C
12	0	0	23.4 m	16 m	5 m	1800 kW/m2	518.9 °C	493.4 °C
13	1	0	23.4 m	16 m	9 m	2400 kW/m2	274.0 °C	287.0 °C
14	1	0	23.4 m	16 m	9 m	1800 kW/m2	210.8 °C	191.6 °C
15	0	0	23.4 m	16 m	9 m	2400 kW/m2	425.8 °C	463.7 °C
16	0	0	23.4 m	16 m	9 m	1800 kW/m2	349.2 °C	368.4 °C
17	1	0	13.0 m	24 m	5 m	2400 kW/m2	232.2 °C	311.7 °C
18	1	0	13.0 m	24 m	5 m	1800 kW/m2	193.6 °C	216.4 °C
19	0	0	13.0 m	24 m	5 m	2400 kW/m2	467.4 °C	488.5 °C
20	0	0	13.0 m	24 m	5 m	1800 kW/m2	353.9 °C	393.2 °C
21	1	0	13.0 m	24 m	9 m	2400 kW/m2	170.2 °C	186.7 °C
22	1	0	13.0 m	24 m	9 m	1800 kW/m2	136.0 °C	91.4 °C
23	0	0	13.0 m	24 m	9 m	2400 kW/m2	345.6 °C	363.5 °C
24	0	0	13.0 m	24 m	9 m	1800 kW/m2	277.6 °C	268.1 °C
25	1	0	13.0 m	16 m	5 m	2400 kW/m2	368.3 °C	412.0 °C
26	1	0	13.0 m	16 m	5 m	1800 kW/m2	288.6 °C	316.6 °C
27	0	0	13.0 m	16 m	5 m	2400 kW/m2	598.1 °C	588.7 °C
28	0	0	13.0 m	16 m	5 m	1800 kW/m2	473.1 °C	493.4 °C
29	1	0	13.0 m	16 m	9 m	2400 kW/m2	248.2 °C	287.0 °C
30	1	0	13.0 m	16 m	9 m	1800 kW/m2	202.6 °C	191.6 °C
31	0	0	13.0 m	16 m	9 m	2400 kW/m2	432.6 °C	463.7 °C
32	0	0	13.0 m	16 m	9 m	1800 kW/m2	350.9 °C	368.4 °C
33	1	1	23.4 m	24 m	5 m	2400 kW/m2	692.3 °C	747.1 °C
34	1	1	23.4 m	24 m	5 m	1800 kW/m2	608.7 °C	651.7 °C
35	0	1	23.4 m	24 m	5 m	2400 kW/m2	744.5 °C	683.1 °C
36	0	1	23.4 m	24 m	5 m	1800 kW/m2	581.8 °C	587.8 °C
37	1	1	23.4 m	24 m	9 m	2400 kW/m2	606.1 °C	461.6 °C



Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
38	1	1	23.4 m	24 m	9 m	1800 kW/m ²	422.7 °C	366.2 °C
39	0	1	23.4 m	24 m	9 m	2400 kW/m ²	428.7 °C	397.6 °C
40	0	1	23.4 m	24 m	9 m	1800 kW/m ²	321.5 °C	302.3 °C
41	1	1	23.4 m	16 m	5 m	2400 kW/m ²	829.8 °C	847.3 °C
42	1	1	23.4 m	16 m	5 m	1800 kW/m ²	763.4 °C	752.0 °C
43	0	1	23.4 m	16 m	5 m	2400 kW/m ²	825.5 °C	783.4 °C
44	0	1	23.4 m	16 m	5 m	1800 kW/m ²	696.2 °C	688.0 °C
45	1	1	23.4 m	16 m	9 m	2400 kW/m ²	766.0 °C	561.8 °C
46	1	1	23.4 m	16 m	9 m	1800 kW/m ²	574.1 °C	466.5 °C
47	0	1	23.4 m	16 m	9 m	2400 kW/m ²	504.1 °C	497.9 °C
48	0	1	23.4 m	16 m	9 m	1800 kW/m ²	385.2 °C	402.5 °C
49	1	1	13.0 m	24 m	5 m	2400 kW/m ²	724.5 °C	747.1 °C
50	1	1	13.0 m	24 m	5 m	1800 kW/m ²	628.7 °C	651.7 °C
51	0	1	13.0 m	24 m	5 m	2400 kW/m ²	693.0 °C	683.1 °C
52	0	1	13.0 m	24 m	5 m	1800 kW/m ²	527.1 °C	587.8 °C
53	1	1	13.0 m	24 m	9 m	2400 kW/m ²	340.1 °C	461.6 °C
54	1	1	13.0 m	24 m	9 m	1800 kW/m ²	278.0 °C	366.2 °C
55	0	1	13.0 m	24 m	9 m	2400 kW/m ²	381.8 °C	397.6 °C
56	0	1	13.0 m	24 m	9 m	1800 kW/m ²	308.2 °C	302.3 °C
57	1	1	13.0 m	16 m	5 m	2400 kW/m ²	860.8 °C	847.3 °C
58	1	1	13.0 m	16 m	5 m	1800 kW/m ²	788.4 °C	752.0 °C
59	0	1	13.0 m	16 m	5 m	2400 kW/m ²	845.4 °C	783.4 °C
60	0	1	13.0 m	16 m	5 m	1800 kW/m ²	670.4 °C	688.0 °C
61	1	1	13.0 m	16 m	9 m	2400 kW/m ²	421.4 °C	561.8 °C
62	1	1	13.0 m	16 m	9 m	1800 kW/m ²	403.1 °C	466.5 °C
63	0	1	13.0 m	16 m	9 m	2400 kW/m ²	431.4 °C	497.9 °C
64	0	1	13.0 m	16 m	9 m	1800 kW/m ²	340.1 °C	402.5 °C



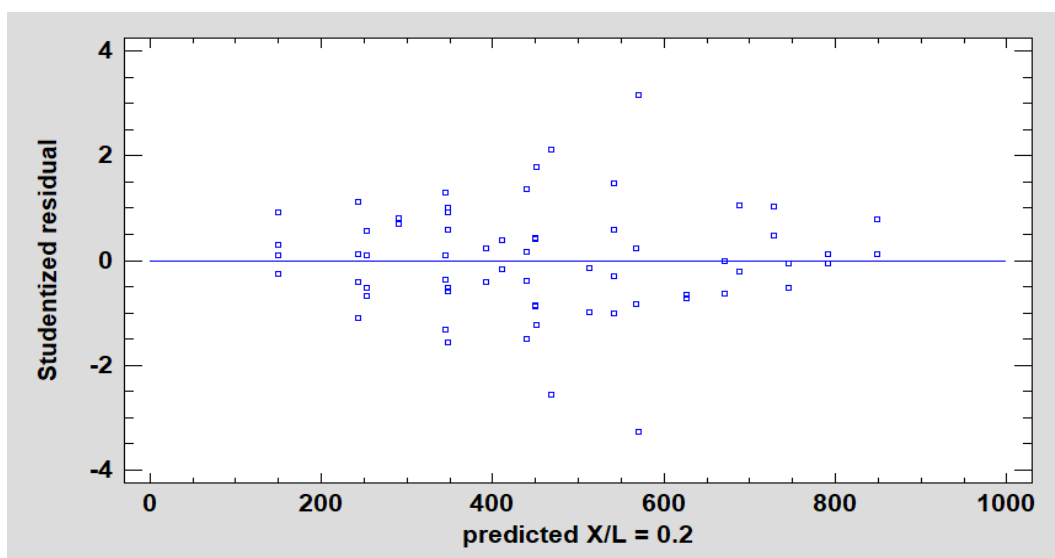
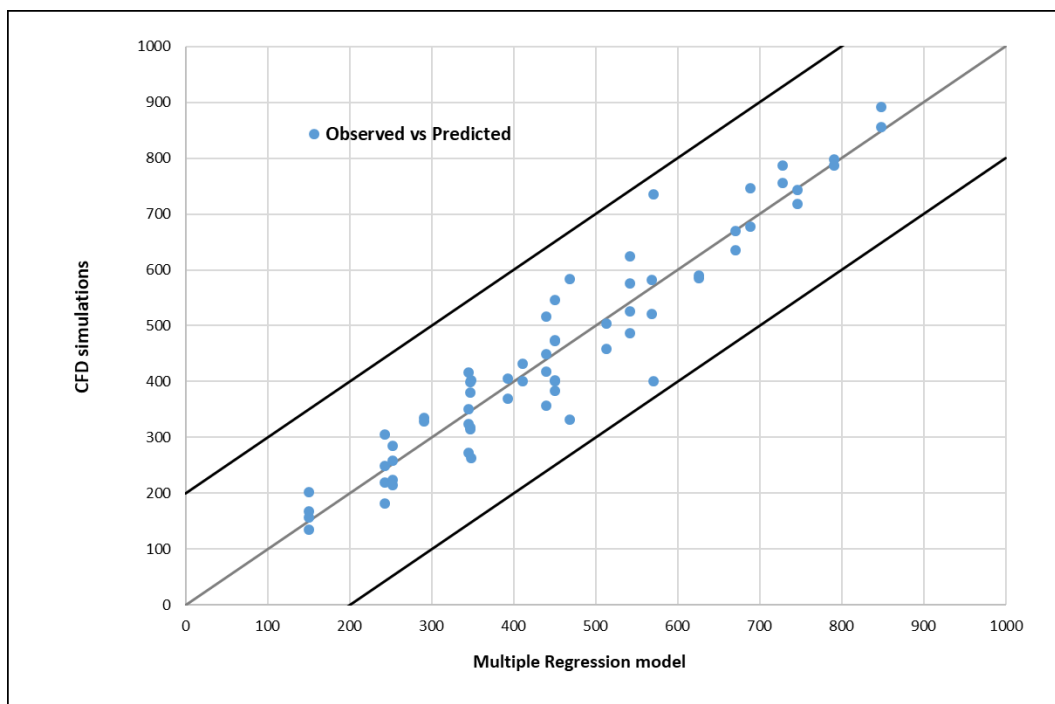
Model	Observed	Predicted	Residual	Studentized Res.
37	606.2 °C	461.6 °C	144.6 °C	2.81
45	766.0 °C	561.8 °C	204.2 °C	4.29
46	574.1 °C	466.5 °C	107.6 °C	2.03
53	340.1 °C	461.6 °C	-121.5 °C	-2.31
61	421.4 °C	561.8 °C	-140.4 °C	-2.72

X/L = 0.2 - BOTTOM FLANGE

Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
1	1	0	23.4 m	24 m	5 m	2400 kW/m ²	305.2 °C	242.5 °C
2	1	0	23.4 m	24 m	5 m	1800 kW/m ²	249.1 °C	242.5 °C
3	0	0	23.4 m	24 m	5 m	2400 kW/m ²	515.7 °C	439.6 °C
4	0	0	23.4 m	24 m	5 m	1800 kW/m ²	418.3 °C	439.6 °C
5	1	0	23.4 m	24 m	9 m	2400 kW/m ²	201.8 °C	150.4 °C
6	1	0	23.4 m	24 m	9 m	1800 kW/m ²	156.4 °C	150.4 °C
7	0	0	23.4 m	24 m	9 m	2400 kW/m ²	398.6 °C	347.5 °C
8	0	0	23.4 m	24 m	9 m	1800 kW/m ²	318.3 °C	347.5 °C
9	1	0	23.4 m	16 m	5 m	2400 kW/m ²	416.7 °C	345.0 °C
10	1	0	23.4 m	16 m	5 m	1800 kW/m ²	324.6 °C	345.0 °C
11	0	0	23.4 m	16 m	5 m	2400 kW/m ²	624.3 °C	542.1 °C
12	0	0	23.4 m	16 m	5 m	1800 kW/m ²	525.4 °C	542.1 °C
13	1	0	23.4 m	16 m	9 m	2400 kW/m ²	284.7 °C	252.9 °C
14	1	0	23.4 m	16 m	9 m	1800 kW/m ²	223.8 °C	252.9 °C
15	0	0	23.4 m	16 m	9 m	2400 kW/m ²	474.3 °C	450.0 °C
16	0	0	23.4 m	16 m	9 m	1800 kW/m ²	402.6 °C	450.0 °C
17	1	0	13.0 m	24 m	5 m	2400 kW/m ²	219.2 °C	242.5 °C
18	1	0	13.0 m	24 m	5 m	1800 kW/m ²	181.8 °C	242.5 °C
19	0	0	13.0 m	24 m	5 m	2400 kW/m ²	448.5 °C	439.6 °C
20	0	0	13.0 m	24 m	5 m	1800 kW/m ²	357.1 °C	439.6 °C
21	1	0	13.0 m	24 m	9 m	2400 kW/m ²	167.8 °C	150.4 °C
22	1	0	13.0 m	24 m	9 m	1800 kW/m ²	135.8 °C	150.4 °C
23	0	0	13.0 m	24 m	9 m	2400 kW/m ²	380.6 °C	347.5 °C
24	0	0	13.0 m	24 m	9 m	1800 kW/m ²	314.8 °C	347.5 °C
25	1	0	13.0 m	16 m	5 m	2400 kW/m ²	350.7 °C	345.0 °C
26	1	0	13.0 m	16 m	5 m	1800 kW/m ²	272.2 °C	345.0 °C
27	0	0	13.0 m	16 m	5 m	2400 kW/m ²	575.3 °C	542.1 °C
28	0	0	13.0 m	16 m	5 m	1800 kW/m ²	486.0 °C	542.1 °C
29	1	0	13.0 m	16 m	9 m	2400 kW/m ²	259.1 °C	252.9 °C
30	1	0	13.0 m	16 m	9 m	1800 kW/m ²	214.4 °C	252.9 °C
31	0	0	13.0 m	16 m	9 m	2400 kW/m ²	472.9 °C	450.0 °C
32	0	0	13.0 m	16 m	9 m	1800 kW/m ²	401.0 °C	450.0 °C
33	1	1	23.4 m	24 m	5 m	2400 kW/m ²	717.5 °C	746.1 °C
34	1	1	23.4 m	24 m	5 m	1800 kW/m ²	585.9 °C	625.9 °C
35	0	1	23.4 m	24 m	5 m	2400 kW/m ²	746.4 °C	688.3 °C
36	0	1	23.4 m	24 m	5 m	1800 kW/m ²	581.5 °C	568.1 °C
37	1	1	23.4 m	24 m	9 m	2400 kW/m ²	583.7 °C	468.3 °C



Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
38	1	1	23.4 m	24 m	9 m	1800 kW/m2	402.8 °C	348.1 °C
39	0	1	23.4 m	24 m	9 m	2400 kW/m2	432.5 °C	410.5 °C
40	0	1	23.4 m	24 m	9 m	1800 kW/m2	335.5 °C	290.3 °C
41	1	1	23.4 m	16 m	5 m	2400 kW/m2	855.5 °C	848.6 °C
42	1	1	23.4 m	16 m	5 m	1800 kW/m2	755.6 °C	728.4 °C
43	0	1	23.4 m	16 m	5 m	2400 kW/m2	787.3 °C	790.8 °C
44	0	1	23.4 m	16 m	5 m	1800 kW/m2	669.8 °C	670.6 °C
45	1	1	23.4 m	16 m	9 m	2400 kW/m2	734.9 °C	570.8 °C
46	1	1	23.4 m	16 m	9 m	1800 kW/m2	546.8 °C	450.6 °C
47	0	1	23.4 m	16 m	9 m	2400 kW/m2	504.4 °C	513.0 °C
48	0	1	23.4 m	16 m	9 m	1800 kW/m2	406.1 °C	392.8 °C
49	1	1	13.0 m	24 m	5 m	2400 kW/m2	743.1 °C	746.1 °C
50	1	1	13.0 m	24 m	5 m	1800 kW/m2	589.5 °C	625.9 °C
51	0	1	13.0 m	24 m	5 m	2400 kW/m2	677.1 °C	688.3 °C
52	0	1	13.0 m	24 m	5 m	1800 kW/m2	521.3 °C	568.1 °C
53	1	1	13.0 m	24 m	9 m	2400 kW/m2	331.8 °C	468.3 °C
54	1	1	13.0 m	24 m	9 m	1800 kW/m2	263.3 °C	348.1 °C
55	0	1	13.0 m	24 m	9 m	2400 kW/m2	401.3 °C	410.5 °C
56	0	1	13.0 m	24 m	9 m	1800 kW/m2	328.8 °C	290.3 °C
57	1	1	13.0 m	16 m	5 m	2400 kW/m2	891.9 °C	848.6 °C
58	1	1	13.0 m	16 m	5 m	1800 kW/m2	786.1 °C	728.4 °C
59	0	1	13.0 m	16 m	5 m	2400 kW/m2	797.1 °C	790.8 °C
60	0	1	13.0 m	16 m	5 m	1800 kW/m2	635.2 °C	670.6 °C
61	1	1	13.0 m	16 m	9 m	2400 kW/m2	401.2 °C	570.8 °C
62	1	1	13.0 m	16 m	9 m	1800 kW/m2	383.9 °C	450.6 °C
63	0	1	13.0 m	16 m	9 m	2400 kW/m2	458.0 °C	513.0 °C
64	0	1	13.0 m	16 m	9 m	1800 kW/m2	369.6 °C	392.8 °C



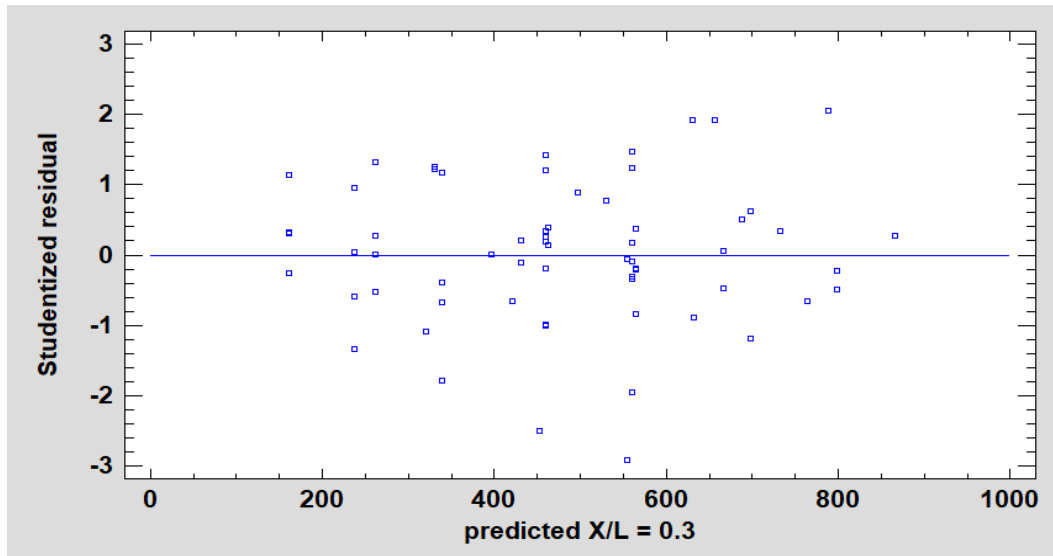
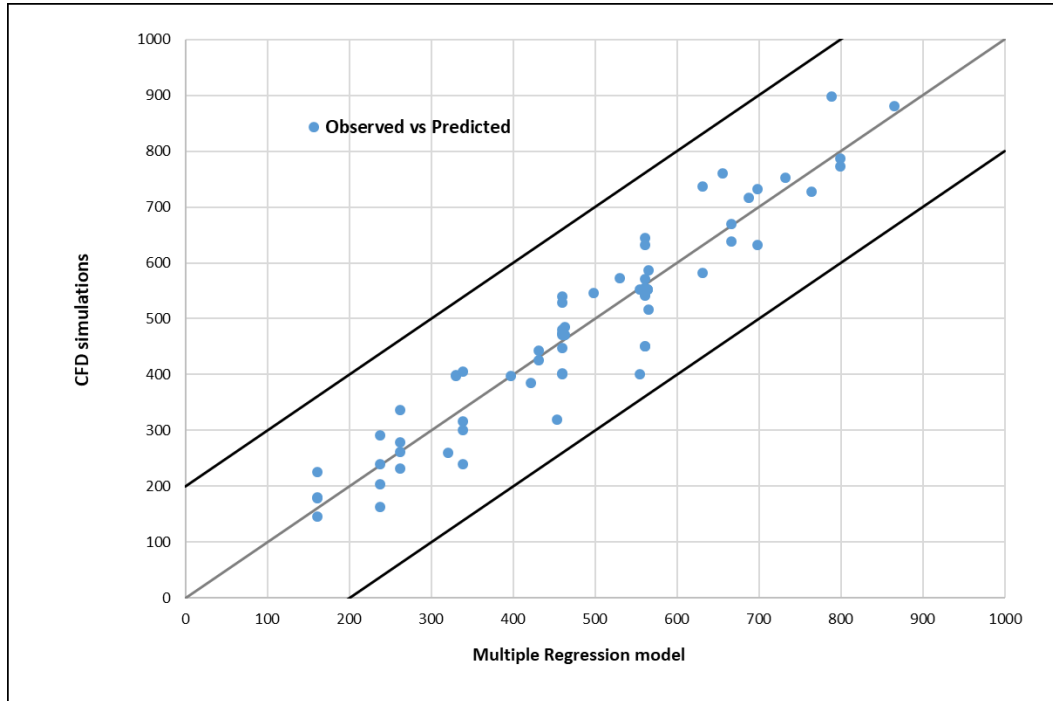
Model	Observed	Predicted	Residual	Studentized Res.
37	583.7 °C	468.3 °C	115.4 °C	2.12
45	734.9 °C	570.8 °C	164.1 °C	3.15
53	331.8 °C	468.3 °C	-136.5 °C	-2.55
61	401.2 °C	570.8 °C	-169.6 °C	-3.28

X/L = 0.3 - BOTTOM FLANGE

Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
1	1	0	23.4 m	24 m	5 m	2400 kW/m2	291.7 °C	237.8 °C
2	1	0	23.4 m	24 m	5 m	1800 kW/m2	240.0 °C	237.8 °C
3	0	0	23.4 m	24 m	5 m	2400 kW/m2	540.6 °C	459.6 °C
4	0	0	23.4 m	24 m	5 m	1800 kW/m2	470.6 °C	459.6 °C
5	1	0	23.4 m	24 m	9 m	2400 kW/m2	204.0 °C	237.8 °C
6	1	0	23.4 m	24 m	9 m	1800 kW/m2	163.0 °C	237.8 °C
7	0	0	23.4 m	24 m	9 m	2400 kW/m2	479.8 °C	459.6 °C
8	0	0	23.4 m	24 m	9 m	1800 kW/m2	401.4 °C	459.6 °C
9	1	0	23.4 m	16 m	5 m	2400 kW/m2	404.8 °C	338.8 °C
10	1	0	23.4 m	16 m	5 m	1800 kW/m2	316.7 °C	338.8 °C
11	0	0	23.4 m	16 m	5 m	2400 kW/m2	643.9 °C	560.7 °C
12	0	0	23.4 m	16 m	5 m	1800 kW/m2	570.5 °C	560.7 °C
13	1	0	23.4 m	16 m	9 m	2400 kW/m2	300.3 °C	338.8 °C
14	1	0	23.4 m	16 m	9 m	1800 kW/m2	240.2 °C	338.8 °C
15	0	0	23.4 m	16 m	9 m	2400 kW/m2	542.7 °C	560.7 °C
16	0	0	23.4 m	16 m	9 m	1800 kW/m2	450.9 °C	560.7 °C
17	1	0	13.0 m	24 m	5 m	2400 kW/m2	225.3 °C	161.3 °C
18	1	0	13.0 m	24 m	5 m	1800 kW/m2	179.1 °C	161.3 °C
19	0	0	13.0 m	24 m	5 m	2400 kW/m2	528.4 °C	459.6 °C
20	0	0	13.0 m	24 m	5 m	1800 kW/m2	448.1 °C	459.6 °C
21	1	0	13.0 m	24 m	9 m	2400 kW/m2	179.9 °C	161.3 °C
22	1	0	13.0 m	24 m	9 m	1800 kW/m2	146.5 °C	161.3 °C
23	0	0	13.0 m	24 m	9 m	2400 kW/m2	474.5 °C	459.6 °C
24	0	0	13.0 m	24 m	9 m	1800 kW/m2	402.7 °C	459.6 °C
25	1	0	13.0 m	16 m	5 m	2400 kW/m2	336.2 °C	262.3 °C
26	1	0	13.0 m	16 m	5 m	1800 kW/m2	262.3 °C	262.3 °C
27	0	0	13.0 m	16 m	5 m	2400 kW/m2	631.4 °C	560.7 °C
28	0	0	13.0 m	16 m	5 m	1800 kW/m2	555.2 °C	560.7 °C
29	1	0	13.0 m	16 m	9 m	2400 kW/m2	278.1 °C	262.3 °C
30	1	0	13.0 m	16 m	9 m	1800 kW/m2	232.3 °C	262.3 °C
31	0	0	13.0 m	16 m	9 m	2400 kW/m2	541.2 °C	560.7 °C
32	0	0	13.0 m	16 m	9 m	1800 kW/m2	451.4 °C	560.7 °C
33	1	1	23.4 m	24 m	5 m	2400 kW/m2	728.2 °C	764.6 °C
34	1	1	23.4 m	24 m	5 m	1800 kW/m2	581.8 °C	631.6 °C
35	0	1	23.4 m	24 m	5 m	2400 kW/m2	732.8 °C	698.1 °C
36	0	1	23.4 m	24 m	5 m	1800 kW/m2	586.9 °C	565.1 °C
37	1	1	23.4 m	24 m	9 m	2400 kW/m2	573.2 °C	529.8 °C



Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
38	1	1	23.4 m	24 m	9 m	1800 kW/m ²	397.3 °C	396.8 °C
39	0	1	23.4 m	24 m	9 m	2400 kW/m ²	485.7 °C	463.3 °C
40	0	1	23.4 m	24 m	9 m	1800 kW/m ²	398.0 °C	330.3 °C
41	1	1	23.4 m	16 m	5 m	2400 kW/m ²	880.7 °C	865.6 °C
42	1	1	23.4 m	16 m	5 m	1800 kW/m ²	751.8 °C	732.6 °C
43	0	1	23.4 m	16 m	5 m	2400 kW/m ²	787.0 °C	799.1 °C
44	0	1	23.4 m	16 m	5 m	1800 kW/m ²	669.6 °C	666.1 °C
45	1	1	23.4 m	16 m	9 m	2400 kW/m ²	736.2 °C	630.8 °C
46	1	1	23.4 m	16 m	9 m	1800 kW/m ²	546.2 °C	497.8 °C
47	0	1	23.4 m	16 m	9 m	2400 kW/m ²	552.1 °C	564.3 °C
48	0	1	23.4 m	16 m	9 m	1800 kW/m ²	443.1 °C	431.3 °C
49	1	1	13.0 m	24 m	5 m	2400 kW/m ²	715.9 °C	688.1 °C
50	1	1	13.0 m	24 m	5 m	1800 kW/m ²	551.8 °C	555.1 °C
51	0	1	13.0 m	24 m	5 m	2400 kW/m ²	632.2 °C	698.1 °C
52	0	1	13.0 m	24 m	5 m	1800 kW/m ²	516.8 °C	565.1 °C
53	1	1	13.0 m	24 m	9 m	2400 kW/m ²	318.9 °C	453.3 °C
54	1	1	13.0 m	24 m	9 m	1800 kW/m ²	260.7 °C	320.3 °C
55	0	1	13.0 m	24 m	9 m	2400 kW/m ²	471.2 °C	463.3 °C
56	0	1	13.0 m	24 m	9 m	1800 kW/m ²	399.8 °C	330.3 °C
57	1	1	13.0 m	16 m	5 m	2400 kW/m ²	898.0 °C	789.1 °C
58	1	1	13.0 m	16 m	5 m	1800 kW/m ²	760.9 °C	656.1 °C
59	0	1	13.0 m	16 m	5 m	2400 kW/m ²	772.1 °C	799.1 °C
60	0	1	13.0 m	16 m	5 m	1800 kW/m ²	638.9 °C	666.1 °C
61	1	1	13.0 m	16 m	9 m	2400 kW/m ²	400.3 °C	554.3 °C
62	1	1	13.0 m	16 m	9 m	1800 kW/m ²	385.3 °C	421.3 °C
63	0	1	13.0 m	16 m	9 m	2400 kW/m ²	553.0 °C	564.3 °C
64	0	1	13.0 m	16 m	9 m	1800 kW/m ²	425.3 °C	431.3 °C



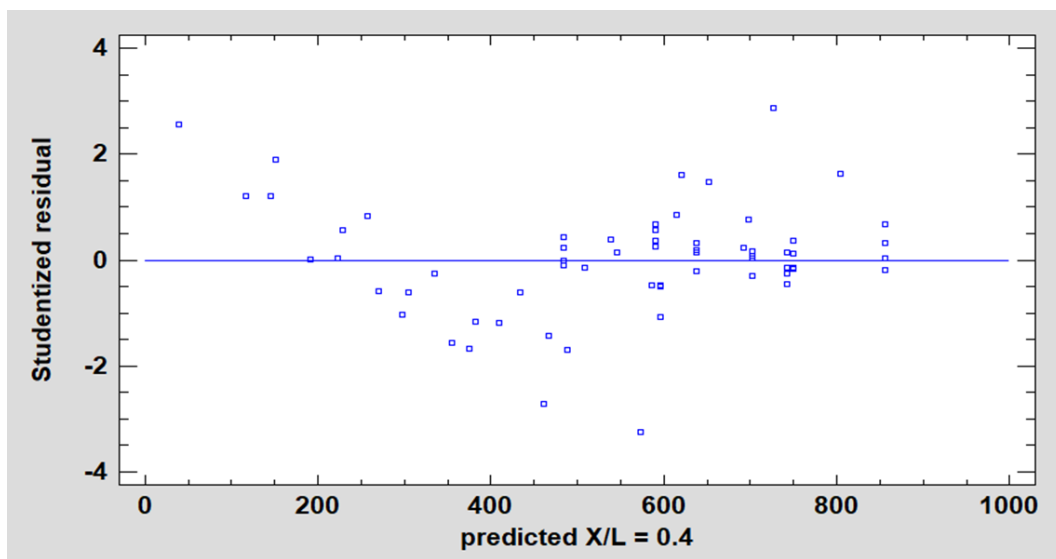
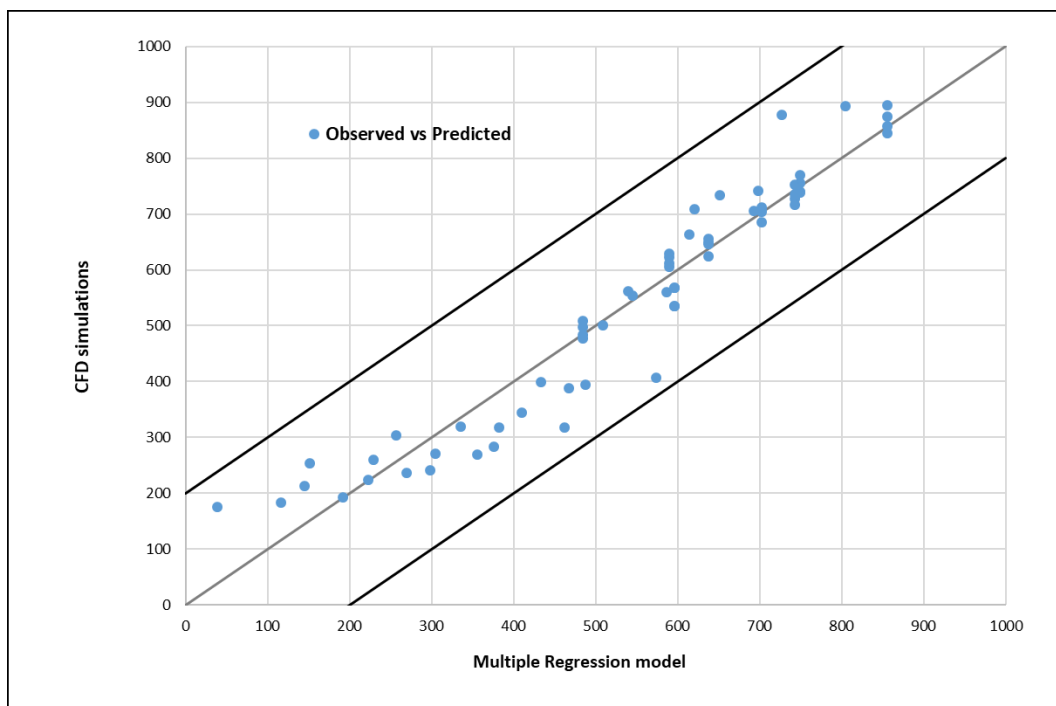
Model	Observed	Predicted	Residual	Studentized Res.
53	318.9 °C	453.3 °C	-134.4 °C	-2.51
57	898.1 °C	789.1 °C	109.0 °C	2.05
61	400.3 °C	554.3 °C	-154.0 °C	-2.92

X/L = 0.4 - BOTTOM FLANGE

Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
1	1	0	23.4 m	24 m	5 m	2400 kW/m ²	283.6 °C	375.8 °C
2	1	0	23.4 m	24 m	5 m	1800 kW/m ²	236.3 °C	269.7 °C
3	0	0	23.4 m	24 m	5 m	2400 kW/m ²	727.9 °C	743.2 °C
4	0	0	23.4 m	24 m	5 m	1800 kW/m ²	648.6 °C	637.1 °C
5	1	0	23.4 m	24 m	9 m	2400 kW/m ²	224.5 °C	222.8 °C
6	1	0	23.4 m	24 m	9 m	1800 kW/m ²	184.2 °C	116.7 °C
7	0	0	23.4 m	24 m	9 m	2400 kW/m ²	629.4 °C	590.2 °C
8	0	0	23.4 m	24 m	9 m	1800 kW/m ²	497.0 °C	484.1 °C
9	1	0	23.4 m	16 m	5 m	2400 kW/m ²	395.1 °C	488.0 °C
10	1	0	23.4 m	16 m	5 m	1800 kW/m ²	317.1 °C	381.9 °C
11	0	0	23.4 m	16 m	5 m	2400 kW/m ²	844.6 °C	855.4 °C
12	0	0	23.4 m	16 m	5 m	1800 kW/m ²	740.5 °C	749.3 °C
13	1	0	23.4 m	16 m	9 m	2400 kW/m ²	320.2 °C	335.0 °C
14	1	0	23.4 m	16 m	9 m	1800 kW/m ²	260.8 °C	228.8 °C
15	0	0	23.4 m	16 m	9 m	2400 kW/m ²	703.8 °C	702.3 °C
16	0	0	23.4 m	16 m	9 m	1800 kW/m ²	568.0 °C	596.2 °C
17	1	0	13.0 m	24 m	5 m	2400 kW/m ²	240.6 °C	298.0 °C
18	1	0	13.0 m	24 m	5 m	1800 kW/m ²	192.6 °C	191.9 °C
19	0	0	13.0 m	24 m	5 m	2400 kW/m ²	734.6 °C	743.2 °C
20	0	0	13.0 m	24 m	5 m	1800 kW/m ²	645.7 °C	637.1 °C
21	1	0	13.0 m	24 m	9 m	2400 kW/m ²	212.4 °C	145.0 °C
22	1	0	13.0 m	24 m	9 m	1800 kW/m ²	175.3 °C	38.9 °C
23	0	0	13.0 m	24 m	9 m	2400 kW/m ²	622.9 °C	590.2 °C
24	0	0	13.0 m	24 m	9 m	1800 kW/m ²	508.8 °C	484.1 °C
25	1	0	13.0 m	16 m	5 m	2400 kW/m ²	344.0 °C	410.2 °C
26	1	0	13.0 m	16 m	5 m	1800 kW/m ²	270.4 °C	304.1 °C
27	0	0	13.0 m	16 m	5 m	2400 kW/m ²	857.4 °C	855.4 °C
28	0	0	13.0 m	16 m	5 m	1800 kW/m ²	755.8 °C	749.3 °C
29	1	0	13.0 m	16 m	9 m	2400 kW/m ²	303.6 °C	257.2 °C
30	1	0	13.0 m	16 m	9 m	1800 kW/m ²	254.2 °C	151.0 °C
31	0	0	13.0 m	16 m	9 m	2400 kW/m ²	712.1 °C	702.3 °C
32	0	0	13.0 m	16 m	9 m	1800 kW/m ²	567.3 °C	596.2 °C
33	1	1	23.4 m	24 m	5 m	2400 kW/m ²	705.3 °C	692.4 °C
34	1	1	23.4 m	24 m	5 m	1800 kW/m ²	559.8 °C	586.3 °C
35	0	1	23.4 m	24 m	5 m	2400 kW/m ²	751.9 °C	743.2 °C
36	0	1	23.4 m	24 m	5 m	1800 kW/m ²	655.9 °C	637.1 °C
37	1	1	23.4 m	24 m	9 m	2400 kW/m ²	561.7 °C	539.4 °C



Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
38	1	1	23.4 m	24 m	9 m	1800 kW/m ²	399.1 °C	433.3 °C
39	0	1	23.4 m	24 m	9 m	2400 kW/m ²	611.8 °C	590.2 °C
40	0	1	23.4 m	24 m	9 m	1800 kW/m ²	477.8 °C	484.1 °C
41	1	1	23.4 m	16 m	5 m	2400 kW/m ²	893.8 °C	804.6 °C
42	1	1	23.4 m	16 m	5 m	1800 kW/m ²	741.8 °C	698.5 °C
43	0	1	23.4 m	16 m	5 m	2400 kW/m ²	873.7 °C	855.4 °C
44	0	1	23.4 m	16 m	5 m	1800 kW/m ²	739.1 °C	749.3 °C
45	1	1	23.4 m	16 m	9 m	2400 kW/m ²	733.2 °C	651.5 °C
46	1	1	23.4 m	16 m	9 m	1800 kW/m ²	553.6 °C	545.4 °C
47	0	1	23.4 m	16 m	9 m	2400 kW/m ²	684.8 °C	702.3 °C
48	0	1	23.4 m	16 m	9 m	1800 kW/m ²	534.5 °C	596.2 °C
49	1	1	13.0 m	24 m	5 m	2400 kW/m ²	662.9 °C	614.6 °C
50	1	1	13.0 m	24 m	5 m	1800 kW/m ²	500.6 °C	508.5 °C
51	0	1	13.0 m	24 m	5 m	2400 kW/m ²	716.4 °C	743.2 °C
52	0	1	13.0 m	24 m	5 m	1800 kW/m ²	624.9 °C	637.1 °C
53	1	1	13.0 m	24 m	9 m	2400 kW/m ²	317.9 °C	461.6 °C
54	1	1	13.0 m	24 m	9 m	1800 kW/m ²	268.9 °C	355.5 °C
55	0	1	13.0 m	24 m	9 m	2400 kW/m ²	605.5 °C	590.2 °C
56	0	1	13.0 m	24 m	9 m	1800 kW/m ²	483.8 °C	484.1 °C
57	1	1	13.0 m	16 m	5 m	2400 kW/m ²	877.3 °C	726.8 °C
58	1	1	13.0 m	16 m	5 m	1800 kW/m ²	709.3 °C	620.7 °C
59	0	1	13.0 m	16 m	5 m	2400 kW/m ²	894.8 °C	855.4 °C
60	0	1	13.0 m	16 m	5 m	1800 kW/m ²	770.2 °C	749.3 °C
61	1	1	13.0 m	16 m	9 m	2400 kW/m ²	406.6 °C	573.7 °C
62	1	1	13.0 m	16 m	9 m	1800 kW/m ²	388.8 °C	467.6 °C
63	0	1	13.0 m	16 m	9 m	2400 kW/m ²	706.9 °C	702.3 °C
64	0	1	13.0 m	16 m	9 m	1800 kW/m ²	534.9 °C	596.2 °C



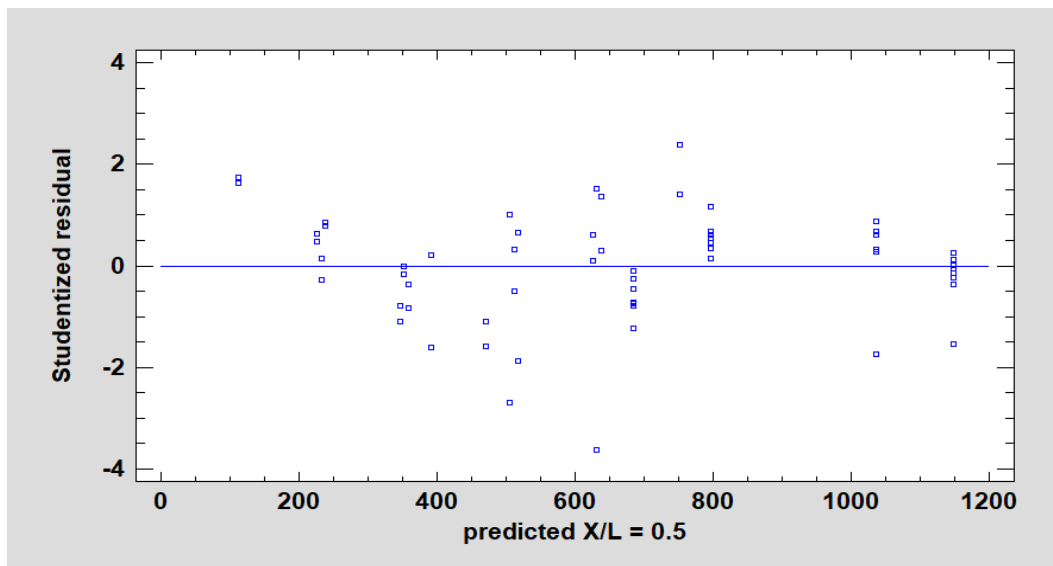
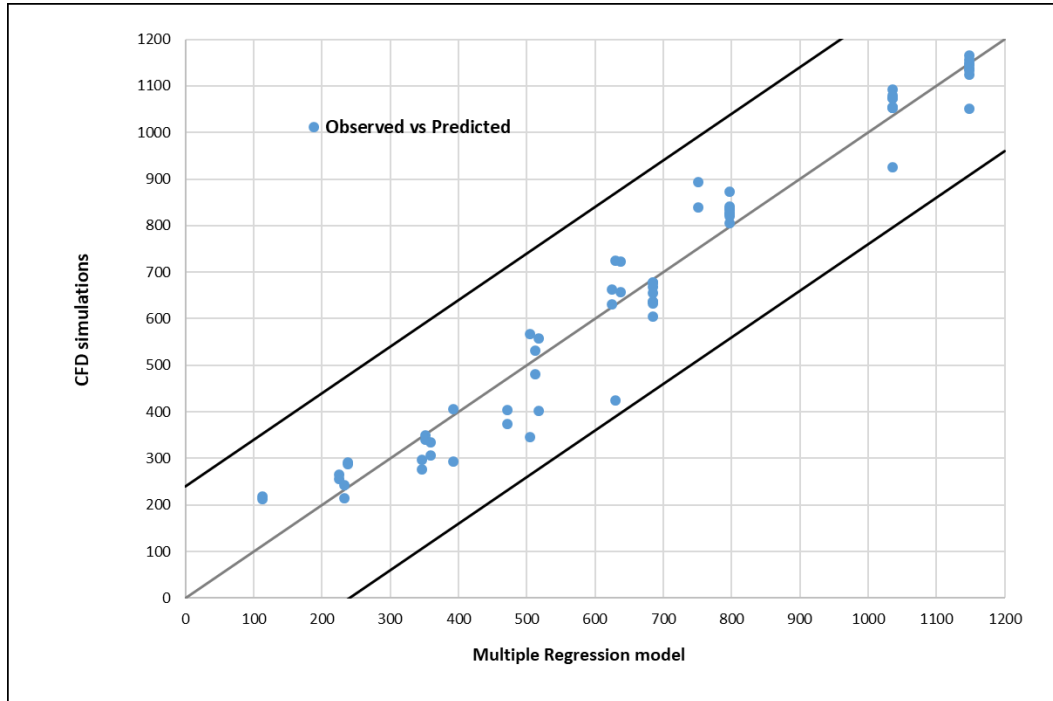
Model	Observed	Predicted	Residual	Studentized Res.
22	175.3 °C	38.9 °C	136.4 °C	2.57
53	317.9 °C	461.6 °C	-143.7 °C	-2.72
57	877.3 °C	726.8 °C	150.5 °C	2.87
61	406.6 °C	573.8 °C	-167.2 °C	-3.24



X/L = 0.5 - BOTTOM FLANGE

Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
1	1	0	23.4 m	24 m	5 m	2400 kW/m2	297.1 °C	346.0 °C
2	1	0	23.4 m	24 m	5 m	1800 kW/m2	241.8 °C	232.9 °C
3	0	0	23.4 m	24 m	5 m	2400 kW/m2	1123.9 °C	1148.3 °C
4	0	0	23.4 m	24 m	5 m	1800 kW/m2	1053.4 °C	1035.2 °C
5	1	0	23.4 m	24 m	9 m	2400 kW/m2	264.7 °C	225.5 °C
6	1	0	23.4 m	24 m	9 m	1800 kW/m2	218.5 °C	112.4 °C
7	0	0	23.4 m	24 m	9 m	2400 kW/m2	826.4 °C	797.2 °C
8	0	0	23.4 m	24 m	9 m	1800 kW/m2	654.8 °C	684.1 °C
9	1	0	23.4 m	16 m	5 m	2400 kW/m2	403.3 °C	471.6 °C
10	1	0	23.4 m	16 m	5 m	1800 kW/m2	335.0 °C	358.6 °C
11	0	0	23.4 m	16 m	5 m	2400 kW/m2	1145.3 °C	1148.3 °C
12	0	0	23.4 m	16 m	5 m	1800 kW/m2	1074.5 °C	1035.2 °C
13	1	0	23.4 m	16 m	9 m	2400 kW/m2	350.4 °C	351.1 °C
14	1	0	23.4 m	16 m	9 m	1800 kW/m2	291.9 °C	238.1 °C
15	0	0	23.4 m	16 m	9 m	2400 kW/m2	841.4 °C	797.2 °C
16	0	0	23.4 m	16 m	9 m	1800 kW/m2	678.2 °C	684.1 °C
17	1	0	13.0 m	24 m	5 m	2400 kW/m2	277.3 °C	346.0 °C
18	1	0	13.0 m	24 m	5 m	1800 kW/m2	215.3 °C	232.9 °C
19	0	0	13.0 m	24 m	5 m	2400 kW/m2	1133.6 °C	1148.3 °C
20	0	0	13.0 m	24 m	5 m	1800 kW/m2	1074.4 °C	1035.2 °C
21	1	0	13.0 m	24 m	9 m	2400 kW/m2	255.1 °C	225.5 °C
22	1	0	13.0 m	24 m	9 m	1800 kW/m2	212.7 °C	112.4 °C
23	0	0	13.0 m	24 m	9 m	2400 kW/m2	836.8 °C	797.2 °C
24	0	0	13.0 m	24 m	9 m	1800 kW/m2	667.6 °C	684.1 °C
25	1	0	13.0 m	16 m	5 m	2400 kW/m2	374.4 °C	471.6 °C
26	1	0	13.0 m	16 m	5 m	1800 kW/m2	306.8 °C	358.6 °C
27	0	0	13.0 m	16 m	5 m	2400 kW/m2	1156.4 °C	1148.3 °C
28	0	0	13.0 m	16 m	5 m	1800 kW/m2	1092.0 °C	1035.2 °C
29	1	0	13.0 m	16 m	9 m	2400 kW/m2	340.7 °C	351.1 °C
30	1	0	13.0 m	16 m	9 m	1800 kW/m2	287.5 °C	238.1 °C
31	0	0	13.0 m	16 m	9 m	2400 kW/m2	872.0 °C	797.2 °C
32	0	0	13.0 m	16 m	9 m	1800 kW/m2	678.0 °C	684.1 °C
33	1	1	23.4 m	24 m	5 m	2400 kW/m2	663.3 °C	625.3 °C
34	1	1	23.4 m	24 m	5 m	1800 kW/m2	531.9 °C	512.2 °C
35	0	1	23.4 m	24 m	5 m	2400 kW/m2	1148.6 °C	1148.3 °C
36	0	1	23.4 m	24 m	5 m	1800 kW/m2	1055.5 °C	1035.2 °C
37	1	1	23.4 m	24 m	9 m	2400 kW/m2	567.8 °C	504.8 °C

Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
38	1	1	23.4 m	24 m	9 m	1800 kW/m ²	405.4 °C	391.7 °C
39	0	1	23.4 m	24 m	9 m	2400 kW/m ²	826.1 °C	797.2 °C
40	0	1	23.4 m	24 m	9 m	1800 kW/m ²	636.8 °C	684.1 °C
41	1	1	23.4 m	16 m	5 m	2400 kW/m ²	894.1 °C	750.9 °C
42	1	1	23.4 m	16 m	5 m	1800 kW/m ²	722.6 °C	637.9 °C
43	0	1	23.4 m	16 m	5 m	2400 kW/m ²	1050.6 °C	1148.3 °C
44	0	1	23.4 m	16 m	5 m	1800 kW/m ²	924.6 °C	1035.2 °C
45	1	1	23.4 m	16 m	9 m	2400 kW/m ²	724.2 °C	630.4 °C
46	1	1	23.4 m	16 m	9 m	1800 kW/m ²	558.5 °C	517.4 °C
47	0	1	23.4 m	16 m	9 m	2400 kW/m ²	806.2 °C	797.2 °C
48	0	1	23.4 m	16 m	9 m	1800 kW/m ²	604.5 °C	684.1 °C
49	1	1	13.0 m	24 m	5 m	2400 kW/m ²	631.0 °C	625.3 °C
50	1	1	13.0 m	24 m	5 m	1800 kW/m ²	481.3 °C	512.2 °C
51	0	1	13.0 m	24 m	5 m	2400 kW/m ²	1165.5 °C	1148.3 °C
52	0	1	13.0 m	24 m	5 m	1800 kW/m ²	1078.7 °C	1035.2 °C
53	1	1	13.0 m	24 m	9 m	2400 kW/m ²	345.1 °C	504.8 °C
54	1	1	13.0 m	24 m	9 m	1800 kW/m ²	293.2 °C	391.7 °C
55	0	1	13.0 m	24 m	9 m	2400 kW/m ²	819.6 °C	797.2 °C
56	0	1	13.0 m	24 m	9 m	1800 kW/m ²	636.4 °C	684.1 °C
57	1	1	13.0 m	16 m	5 m	2400 kW/m ²	838.6 °C	750.9 °C
58	1	1	13.0 m	16 m	5 m	1800 kW/m ²	656.8 °C	637.9 °C
59	0	1	13.0 m	16 m	5 m	2400 kW/m ²	1138.2 °C	1148.3 °C
60	0	1	13.0 m	16 m	5 m	1800 kW/m ²	1053.1 °C	1035.2 °C
61	1	1	13.0 m	16 m	9 m	2400 kW/m ²	424.9 °C	630.4 °C
62	1	1	13.0 m	16 m	9 m	1800 kW/m ²	402.6 °C	517.4 °C
63	0	1	13.0 m	16 m	9 m	2400 kW/m ²	832.7 °C	797.2 °C
64	0	1	13.0 m	16 m	9 m	1800 kW/m ²	633.0 °C	684.1 °C



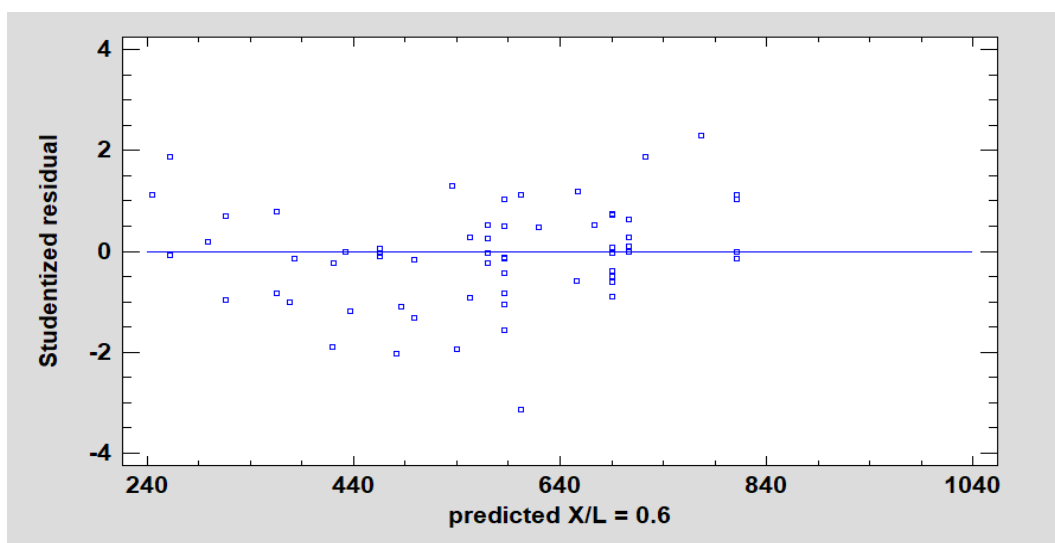
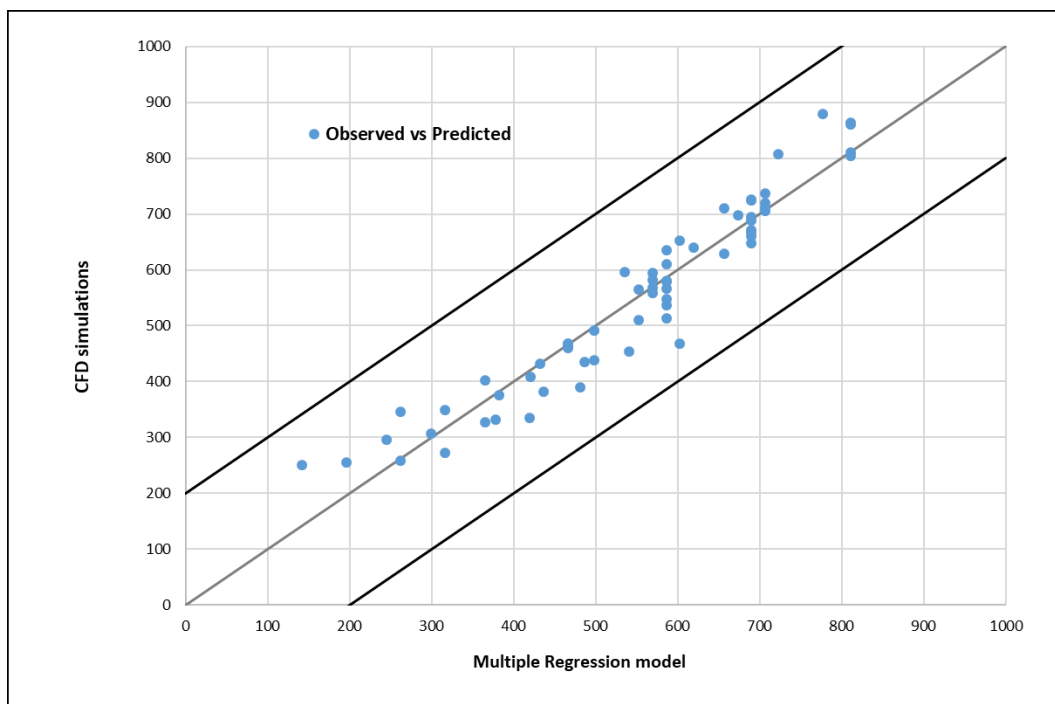
Model	Observed	Predicted	Residual	Studentized Res.
41	894.1 °C	750.9 °C	143.2 °C	2.39
53	345.1 °C	504.8 °C	-159.7 °C	-2.7
61	424.9 °C	630.5 °C	-205.6 °C	-3.64

X/L = 0.6 - BOTTOM FLANGE

Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
1	1	0	23.4 m	24 m	5 m	2400 kW/m ²	334.6 °C	419.9 °C
2	1	0	23.4 m	24 m	5 m	1800 kW/m ²	272.3 °C	316.2 °C
3	0	0	23.4 m	24 m	5 m	2400 kW/m ²	647.7 °C	690.0 °C
4	0	0	23.4 m	24 m	5 m	1800 kW/m ²	580.4 °C	586.3 °C
5	1	0	23.4 m	24 m	9 m	2400 kW/m ²	307.7 °C	299.4 °C
6	1	0	23.4 m	24 m	9 m	1800 kW/m ²	255.6 °C	195.7 °C
7	0	0	23.4 m	24 m	9 m	2400 kW/m ²	558.4 °C	569.5 °C
8	0	0	23.4 m	24 m	9 m	1800 kW/m ²	460.8 °C	465.8 °C
9	1	0	23.4 m	16 m	5 m	2400 kW/m ²	453.3 °C	540.6 °C
10	1	0	23.4 m	16 m	5 m	1800 kW/m ²	382.1 °C	436.9 °C
11	0	0	23.4 m	16 m	5 m	2400 kW/m ²	803.9 °C	810.7 °C
12	0	0	23.4 m	16 m	5 m	1800 kW/m ²	706.1 °C	707.0 °C
13	1	0	23.4 m	16 m	9 m	2400 kW/m ²	409.0 °C	420.1 °C
14	1	0	23.4 m	16 m	9 m	1800 kW/m ²	349.0 °C	316.4 °C
15	0	0	23.4 m	16 m	9 m	2400 kW/m ²	666.5 °C	690.2 °C
16	0	0	23.4 m	16 m	9 m	1800 kW/m ²	536.7 °C	586.5 °C
17	1	0	13.0 m	24 m	5 m	2400 kW/m ²	327.6 °C	365.5 °C
18	1	0	13.0 m	24 m	5 m	1800 kW/m ²	258.6 °C	261.8 °C
19	0	0	13.0 m	24 m	5 m	2400 kW/m ²	660.8 °C	690.0 °C
20	0	0	13.0 m	24 m	5 m	1800 kW/m ²	579.0 °C	586.3 °C
21	1	0	13.0 m	24 m	9 m	2400 kW/m ²	296.3 °C	245.0 °C
22	1	0	13.0 m	24 m	9 m	1800 kW/m ²	250.0 °C	141.3 °C
23	0	0	13.0 m	24 m	9 m	2400 kW/m ²	567.9 °C	569.5 °C
24	0	0	13.0 m	24 m	9 m	1800 kW/m ²	464.7 °C	465.8 °C
25	1	0	13.0 m	16 m	5 m	2400 kW/m ²	435.8 °C	486.2 °C
26	1	0	13.0 m	16 m	5 m	1800 kW/m ²	375.3 °C	382.5 °C
27	0	0	13.0 m	16 m	5 m	2400 kW/m ²	809.8 °C	810.7 °C
28	0	0	13.0 m	16 m	5 m	1800 kW/m ²	711.7 °C	707.0 °C
29	1	0	13.0 m	16 m	9 m	2400 kW/m ²	402.3 °C	365.7 °C
30	1	0	13.0 m	16 m	9 m	1800 kW/m ²	346.1 °C	262.0 °C
31	0	0	13.0 m	16 m	9 m	2400 kW/m ²	694.1 °C	690.2 °C
32	0	0	13.0 m	16 m	9 m	1800 kW/m ²	547.1 °C	586.5 °C
33	1	1	23.4 m	24 m	5 m	2400 kW/m ²	629.5 °C	656.5 °C
34	1	1	23.4 m	24 m	5 m	1800 kW/m ²	510.8 °C	552.8 °C
35	0	1	23.4 m	24 m	5 m	2400 kW/m ²	725.4 °C	690.0 °C
36	0	1	23.4 m	24 m	5 m	1800 kW/m ²	635.7 °C	586.3 °C
37	1	1	23.4 m	24 m	9 m	2400 kW/m ²	595.7 °C	536.0 °C



Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
38	1	1	23.4 m	24 m	9 m	1800 kW/m ²	431.5 °C	432.3 °C
39	0	1	23.4 m	24 m	9 m	2400 kW/m ²	582.2 °C	569.5 °C
40	0	1	23.4 m	24 m	9 m	1800 kW/m ²	468.0 °C	465.8 °C
41	1	1	23.4 m	16 m	5 m	2400 kW/m ²	878.6 °C	777.2 °C
42	1	1	23.4 m	16 m	5 m	1800 kW/m ²	697.2 °C	673.5 °C
43	0	1	23.4 m	16 m	5 m	2400 kW/m ²	859.7 °C	810.7 °C
44	0	1	23.4 m	16 m	5 m	1800 kW/m ²	719.9 °C	707.0 °C
45	1	1	23.4 m	16 m	9 m	2400 kW/m ²	710.9 °C	656.7 °C
46	1	1	23.4 m	16 m	9 m	1800 kW/m ²	565.4 °C	553.0 °C
47	0	1	23.4 m	16 m	9 m	2400 kW/m ²	671.6 °C	690.2 °C
48	0	1	23.4 m	16 m	9 m	1800 kW/m ²	513.2 °C	586.5 °C
49	1	1	13.0 m	24 m	5 m	2400 kW/m ²	653.1 °C	602.1 °C
50	1	1	13.0 m	24 m	5 m	1800 kW/m ²	491.1 °C	498.4 °C
51	0	1	13.0 m	24 m	5 m	2400 kW/m ²	688.7 °C	690.0 °C
52	0	1	13.0 m	24 m	5 m	1800 kW/m ²	610.6 °C	586.3 °C
53	1	1	13.0 m	24 m	9 m	2400 kW/m ²	390.5 °C	481.6 °C
54	1	1	13.0 m	24 m	9 m	1800 kW/m ²	331.7 °C	377.9 °C
55	0	1	13.0 m	24 m	9 m	2400 kW/m ²	594.2 °C	569.5 °C
56	0	1	13.0 m	24 m	9 m	1800 kW/m ²	468.3 °C	465.8 °C
57	1	1	13.0 m	16 m	5 m	2400 kW/m ²	807.2 °C	722.7 °C
58	1	1	13.0 m	16 m	5 m	1800 kW/m ²	640.6 °C	619.0 °C
59	0	1	13.0 m	16 m	5 m	2400 kW/m ²	863.9 °C	810.7 °C
60	0	1	13.0 m	16 m	5 m	1800 kW/m ²	737.0 °C	707.0 °C
61	1	1	13.0 m	16 m	9 m	2400 kW/m ²	467.9 °C	602.2 °C
62	1	1	13.0 m	16 m	9 m	1800 kW/m ²	438.3 °C	498.5 °C
63	0	1	13.0 m	16 m	9 m	2400 kW/m ²	724.5 °C	690.2 °C
64	0	1	13.0 m	16 m	9 m	1800 kW/m ²	566.3 °C	586.5 °C



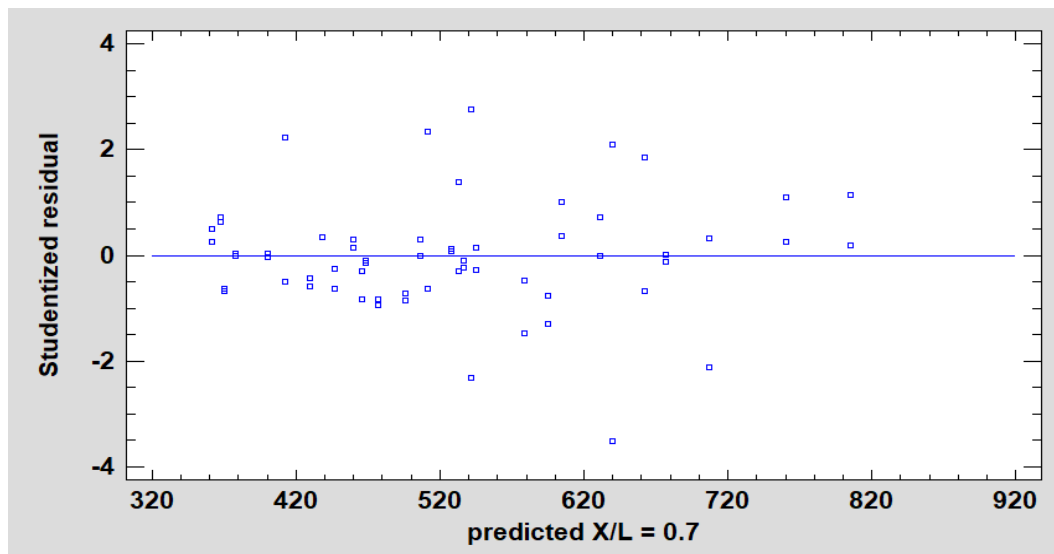
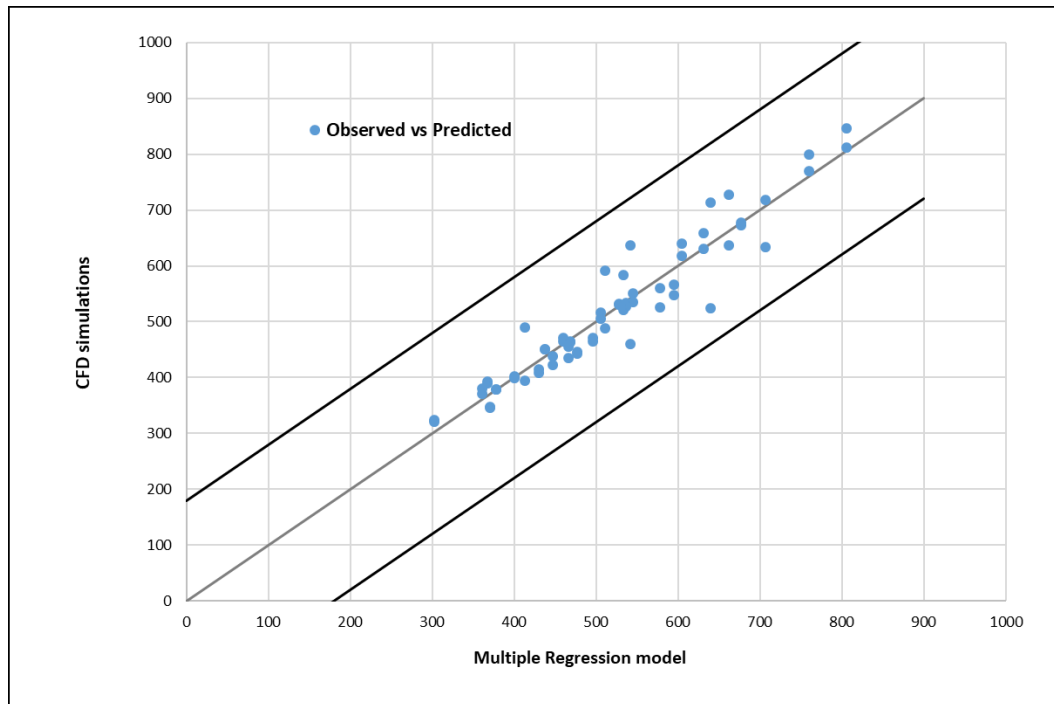
Model	Observed	Predicted	Residual	Studentized Res.
22	250.0 °C	141.3 °C	108.6 °C	2.47
41	878.6 °C	777.2 °C	101.5 °C	2.29
53	390.5 °C	481.6 °C	-91.0 °C	-2.03
61	468.0 °C	602.2 °C	-134.3 °C	-3.14

X/L = 0.7 - BOTTOM FLANGE

Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
1	1	0	23.4 m	24 m	5 m	2400 kW/m2	414.0 °C	429.8 °C
2	1	0	23.4 m	24 m	5 m	1800 kW/m2	347.6 °C	370.3 °C
3	0	0	23.4 m	24 m	5 m	2400 kW/m2	516.8 °C	506.2 °C
4	0	0	23.4 m	24 m	5 m	1800 kW/m2	437.6 °C	446.8 °C
5	1	0	23.4 m	24 m	9 m	2400 kW/m2	379.9 °C	361.4 °C
6	1	0	23.4 m	24 m	9 m	1800 kW/m2	324.2 °C	302.0 °C
7	0	0	23.4 m	24 m	9 m	2400 kW/m2	450.6 °C	437.8 °C
8	0	0	23.4 m	24 m	9 m	1800 kW/m2	379.2 °C	378.4 °C
9	1	0	23.4 m	16 m	5 m	2400 kW/m2	532.7 °C	528.2 °C
10	1	0	23.4 m	16 m	5 m	1800 kW/m2	463.6 °C	468.8 °C
11	0	0	23.4 m	16 m	5 m	2400 kW/m2	640.3 °C	604.7 °C
12	0	0	23.4 m	16 m	5 m	1800 kW/m2	550.8 °C	545.2 °C
13	1	0	23.4 m	16 m	9 m	2400 kW/m2	470.9 °C	459.8 °C
14	1	0	23.4 m	16 m	9 m	1800 kW/m2	401.9 °C	400.4 °C
15	0	0	23.4 m	16 m	9 m	2400 kW/m2	527.6 °C	536.3 °C
16	0	0	23.4 m	16 m	9 m	1800 kW/m2	443.2 °C	476.9 °C
17	1	0	13.0 m	24 m	5 m	2400 kW/m2	408.5 °C	429.8 °C
18	1	0	13.0 m	24 m	5 m	1800 kW/m2	345.9 °C	370.3 °C
19	0	0	13.0 m	24 m	5 m	2400 kW/m2	505.8 °C	506.2 °C
20	0	0	13.0 m	24 m	5 m	1800 kW/m2	423.3 °C	446.8 °C
21	1	0	13.0 m	24 m	9 m	2400 kW/m2	370.8 °C	361.4 °C
22	1	0	13.0 m	24 m	9 m	1800 kW/m2	320.8 °C	302.0 °C
23	0	0	13.0 m	24 m	9 m	2400 kW/m2	450.3 °C	437.8 °C
24	0	0	13.0 m	24 m	9 m	1800 kW/m2	378.3 °C	378.4 °C
25	1	0	13.0 m	16 m	5 m	2400 kW/m2	530.8 °C	528.2 °C
26	1	0	13.0 m	16 m	5 m	1800 kW/m2	465.3 °C	468.8 °C
27	0	0	13.0 m	16 m	5 m	2400 kW/m2	617.5 °C	604.7 °C
28	0	0	13.0 m	16 m	5 m	1800 kW/m2	534.8 °C	545.2 °C
29	1	0	13.0 m	16 m	9 m	2400 kW/m2	464.9 °C	459.8 °C
30	1	0	13.0 m	16 m	9 m	1800 kW/m2	399.5 °C	400.4 °C
31	0	0	13.0 m	16 m	9 m	2400 kW/m2	533.0 °C	536.3 °C
32	0	0	13.0 m	16 m	9 m	1800 kW/m2	446.7 °C	476.9 °C
33	1	1	23.4 m	24 m	5 m	2400 kW/m2	633.5 °C	707.0 °C
34	1	1	23.4 m	24 m	5 m	1800 kW/m2	525.7 °C	578.3 °C
35	0	1	23.4 m	24 m	5 m	2400 kW/m2	726.7 °C	661.9 °C
36	0	1	23.4 m	24 m	5 m	1800 kW/m2	583.4 °C	533.2 °C
37	1	1	23.4 m	24 m	9 m	2400 kW/m2	636.2 °C	541.5 °C



Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
38	1	1	23.4 m	24 m	9 m	1800 kW/m ²	490.0 °C	412.8 °C
39	0	1	23.4 m	24 m	9 m	2400 kW/m ²	470.5 °C	496.3 °C
40	0	1	23.4 m	24 m	9 m	1800 kW/m ²	393.4 °C	367.6 °C
41	1	1	23.4 m	16 m	5 m	2400 kW/m ²	846.2 °C	805.5 °C
42	1	1	23.4 m	16 m	5 m	1800 kW/m ²	672.4 °C	676.8 °C
43	0	1	23.4 m	16 m	5 m	2400 kW/m ²	799.0 °C	760.3 °C
44	0	1	23.4 m	16 m	5 m	1800 kW/m ²	657.9 °C	631.6 °C
45	1	1	23.4 m	16 m	9 m	2400 kW/m ²	713.6 °C	639.9 °C
46	1	1	23.4 m	16 m	9 m	1800 kW/m ²	591.2 °C	511.2 °C
47	0	1	23.4 m	16 m	9 m	2400 kW/m ²	548.3 °C	594.8 °C
48	0	1	23.4 m	16 m	9 m	1800 kW/m ²	435.9 °C	466.1 °C
49	1	1	13.0 m	24 m	5 m	2400 kW/m ²	718.6 °C	707.0 °C
50	1	1	13.0 m	24 m	5 m	1800 kW/m ²	560.7 °C	578.3 °C
51	0	1	13.0 m	24 m	5 m	2400 kW/m ²	637.3 °C	661.9 °C
52	0	1	13.0 m	24 m	5 m	1800 kW/m ²	521.9 °C	533.2 °C
53	1	1	13.0 m	24 m	9 m	2400 kW/m ²	460.7 °C	541.5 °C
54	1	1	13.0 m	24 m	9 m	1800 kW/m ²	394.7 °C	412.8 °C
55	0	1	13.0 m	24 m	9 m	2400 kW/m ²	465.2 °C	496.3 °C
56	0	1	13.0 m	24 m	9 m	1800 kW/m ²	390.6 °C	367.6 °C
57	1	1	13.0 m	16 m	5 m	2400 kW/m ²	812.5 °C	805.5 °C
58	1	1	13.0 m	16 m	5 m	1800 kW/m ²	677.5 °C	676.8 °C
59	0	1	13.0 m	16 m	5 m	2400 kW/m ²	769.1 °C	760.3 °C
60	0	1	13.0 m	16 m	5 m	1800 kW/m ²	631.3 °C	631.6 °C
61	1	1	13.0 m	16 m	9 m	2400 kW/m ²	524.0 °C	639.9 °C
62	1	1	13.0 m	16 m	9 m	1800 kW/m ²	488.5 °C	511.2 °C
63	0	1	13.0 m	16 m	9 m	2400 kW/m ²	566.8 °C	594.8 °C
64	0	1	13.0 m	16 m	9 m	1800 kW/m ²	455.0 °C	466.1 °C



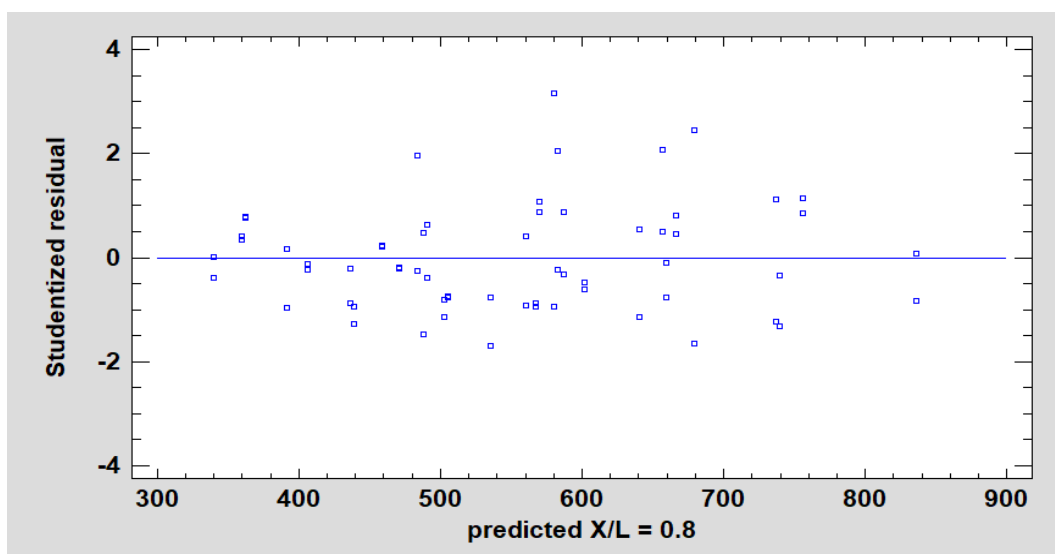
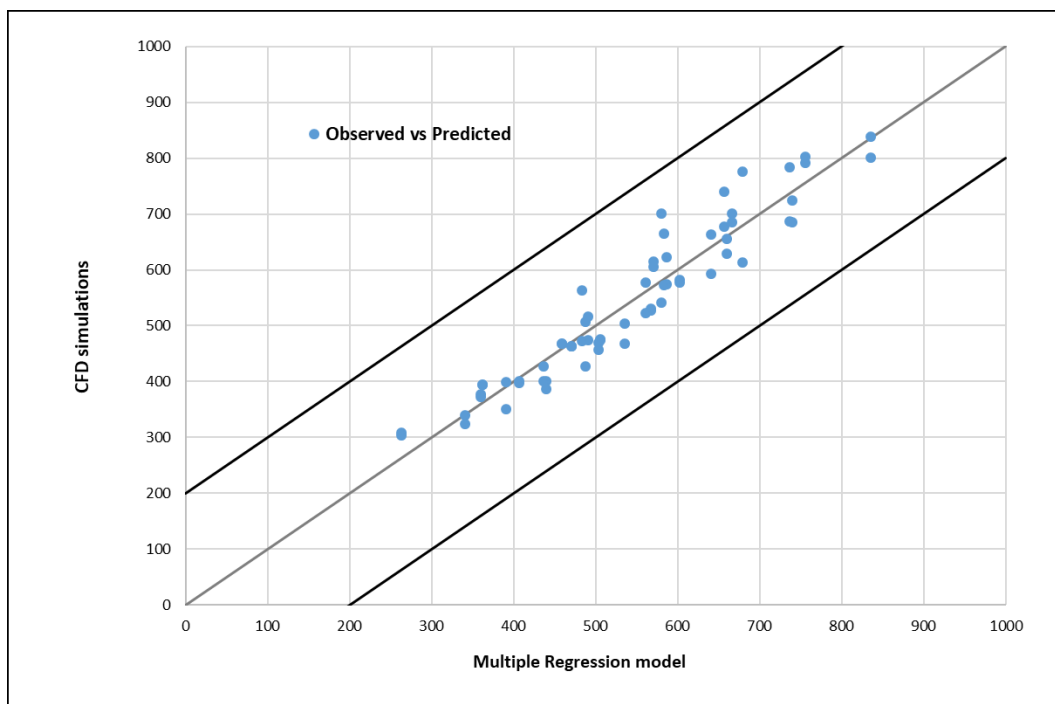
Model	Observed	Predicted	Residual	Studentized Res.
33	633.5 °C	707.0 °C	-73.5 °C	-2.13
37	636.2 °C	541.5 °C	94.7 °C	2.77
38	490.0 °C	412.8 °C	77.2 °C	2.24
45	713.6 °C	639.9 °C	73.7 °C	2.1
46	591.2 °C	511.2 °C	80.0 °C	2.33
53	460.7 °C	541.5 °C	-80.8 °C	-2.32
61	524.0 °C	639.9 °C	-116.0 °C	-3.52

X/L = 0.8 - BOTTOM FLANGE

Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
1	1	0	23.4 m	24 m	5 m	2400 kW/m ²	530.8 °C	567.5 °C
2	1	0	23.4 m	24 m	5 m	1800 kW/m ²	462.7 °C	471.0 °C
3	0	0	23.4 m	24 m	5 m	2400 kW/m ²	507.6 °C	487.8 °C
4	0	0	23.4 m	24 m	5 m	1800 kW/m ²	398.6 °C	391.3 °C
5	1	0	23.4 m	24 m	9 m	2400 kW/m ²	469.7 °C	503.0 °C
6	1	0	23.4 m	24 m	9 m	1800 kW/m ²	401.2 °C	406.6 °C
7	0	0	23.4 m	24 m	9 m	2400 kW/m ²	376.8 °C	359.5 °C
8	0	0	23.4 m	24 m	9 m	1800 kW/m ²	308.9 °C	263.0 °C
9	1	0	23.4 m	16 m	5 m	2400 kW/m ²	685.3 °C	666.6 °C
10	1	0	23.4 m	16 m	5 m	1800 kW/m ²	606.0 °C	570.1 °C
11	0	0	23.4 m	16 m	5 m	2400 kW/m ²	623.5 °C	586.8 °C
12	0	0	23.4 m	16 m	5 m	1800 kW/m ²	516.8 °C	490.3 °C
13	1	0	23.4 m	16 m	9 m	2400 kW/m ²	582.2 °C	602.1 °C
14	1	0	23.4 m	16 m	9 m	1800 kW/m ²	474.4 °C	505.6 °C
15	0	0	23.4 m	16 m	9 m	2400 kW/m ²	467.3 °C	458.5 °C
16	0	0	23.4 m	16 m	9 m	1800 kW/m ²	393.8 °C	362.0 °C
17	1	0	13.0 m	24 m	5 m	2400 kW/m ²	528.1 °C	567.5 °C
18	1	0	13.0 m	24 m	5 m	1800 kW/m ²	462.5 °C	471.0 °C
19	0	0	13.0 m	24 m	5 m	2400 kW/m ²	427.4 °C	487.8 °C
20	0	0	13.0 m	24 m	5 m	1800 kW/m ²	351.1 °C	391.3 °C
21	1	0	13.0 m	24 m	9 m	2400 kW/m ²	456.5 °C	503.0 °C
22	1	0	13.0 m	24 m	9 m	1800 kW/m ²	397.1 °C	406.6 °C
23	0	0	13.0 m	24 m	9 m	2400 kW/m ²	373.3 °C	359.5 °C
24	0	0	13.0 m	24 m	9 m	1800 kW/m ²	303.8 °C	263.0 °C
25	1	0	13.0 m	16 m	5 m	2400 kW/m ²	700.1 °C	666.6 °C
26	1	0	13.0 m	16 m	5 m	1800 kW/m ²	614.3 °C	570.1 °C
27	0	0	13.0 m	16 m	5 m	2400 kW/m ²	573.5 °C	586.8 °C
28	0	0	13.0 m	16 m	5 m	1800 kW/m ²	474.5 °C	490.3 °C
29	1	0	13.0 m	16 m	9 m	2400 kW/m ²	577.2 °C	602.1 °C
30	1	0	13.0 m	16 m	9 m	1800 kW/m ²	475.1 °C	505.6 °C
31	0	0	13.0 m	16 m	9 m	2400 kW/m ²	468.3 °C	458.5 °C
32	0	0	13.0 m	16 m	9 m	1800 kW/m ²	394.9 °C	362.0 °C
33	1	1	23.4 m	24 m	5 m	2400 kW/m ²	686.0 °C	736.9 °C
34	1	1	23.4 m	24 m	5 m	1800 kW/m ²	593.5 °C	640.4 °C
35	0	1	23.4 m	24 m	5 m	2400 kW/m ²	740.2 °C	657.1 °C
36	0	1	23.4 m	24 m	5 m	1800 kW/m ²	577.4 °C	560.6 °C
37	1	1	23.4 m	24 m	9 m	2400 kW/m ²	700.9 °C	580.4 °C



Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
38	1	1	23.4 m	24 m	9 m	1800 kW/m ²	562.7 °C	483.9 °C
39	0	1	23.4 m	24 m	9 m	2400 kW/m ²	427.8 °C	436.8 °C
40	0	1	23.4 m	24 m	9 m	1800 kW/m ²	340.4 °C	340.3 °C
41	1	1	23.4 m	16 m	5 m	2400 kW/m ²	801.2 °C	835.9 °C
42	1	1	23.4 m	16 m	5 m	1800 kW/m ²	684.9 °C	739.5 °C
43	0	1	23.4 m	16 m	5 m	2400 kW/m ²	803.0 °C	756.2 °C
44	0	1	23.4 m	16 m	5 m	1800 kW/m ²	655.7 °C	659.7 °C
45	1	1	23.4 m	16 m	9 m	2400 kW/m ²	775.6 °C	679.4 °C
46	1	1	23.4 m	16 m	9 m	1800 kW/m ²	665.0 °C	582.9 °C
47	0	1	23.4 m	16 m	9 m	2400 kW/m ²	504.6 °C	535.8 °C
48	0	1	23.4 m	16 m	9 m	1800 kW/m ²	400.9 °C	439.3 °C
49	1	1	13.0 m	24 m	5 m	2400 kW/m ²	783.4 °C	736.9 °C
50	1	1	13.0 m	24 m	5 m	1800 kW/m ²	663.3 °C	640.4 °C
51	0	1	13.0 m	24 m	5 m	2400 kW/m ²	677.9 °C	657.1 °C
52	0	1	13.0 m	24 m	5 m	1800 kW/m ²	522.4 °C	560.6 °C
53	1	1	13.0 m	24 m	9 m	2400 kW/m ²	541.3 °C	580.4 °C
54	1	1	13.0 m	24 m	9 m	1800 kW/m ²	473.1 °C	483.9 °C
55	0	1	13.0 m	24 m	9 m	2400 kW/m ²	400.5 °C	436.8 °C
56	0	1	13.0 m	24 m	9 m	1800 kW/m ²	324.5 °C	340.3 °C
57	1	1	13.0 m	16 m	5 m	2400 kW/m ²	839.1 °C	835.9 °C
58	1	1	13.0 m	16 m	5 m	1800 kW/m ²	724.7 °C	739.5 °C
59	0	1	13.0 m	16 m	5 m	2400 kW/m ²	791.5 °C	756.2 °C
60	0	1	13.0 m	16 m	5 m	1800 kW/m ²	628.3 °C	659.7 °C
61	1	1	13.0 m	16 m	9 m	2400 kW/m ²	612.6 °C	679.4 °C
62	1	1	13.0 m	16 m	9 m	1800 kW/m ²	572.9 °C	582.9 °C
63	0	1	13.0 m	16 m	9 m	2400 kW/m ²	467.4 °C	535.8 °C
64	0	1	13.0 m	16 m	9 m	1800 kW/m ²	387.3 °C	439.3 °C



Model	Observed	Predicted	Residual	Studentized Res.
35	740.2 °C	657.1 °C	83.1 °C	2.06
37	700.9 °C	580.4 °C	120.6 °C	3.17
45	775.6 °C	679.4 °C	96.2 °C	2.45
46	665.0 °C	582.9 °C	82.0 °C	2.06

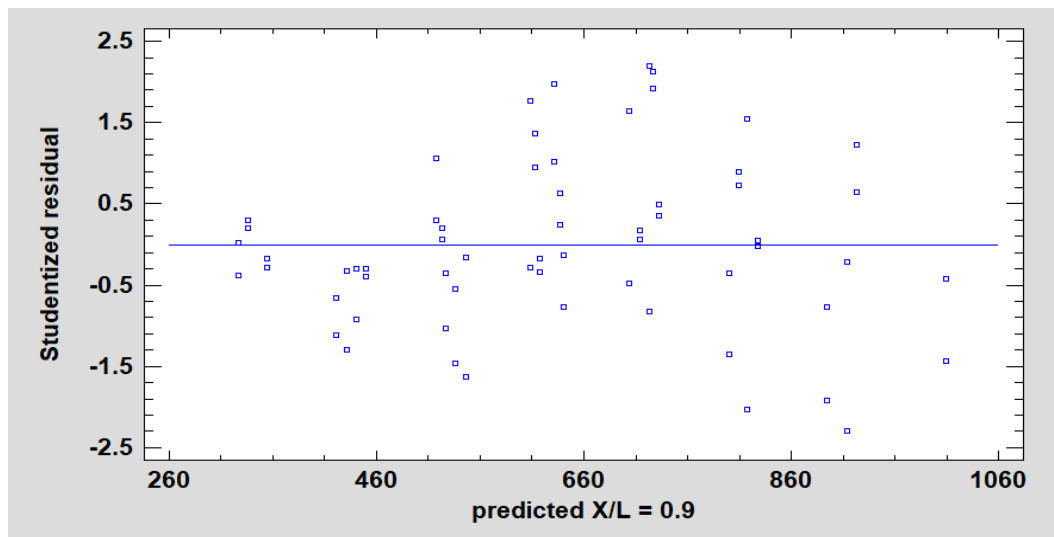
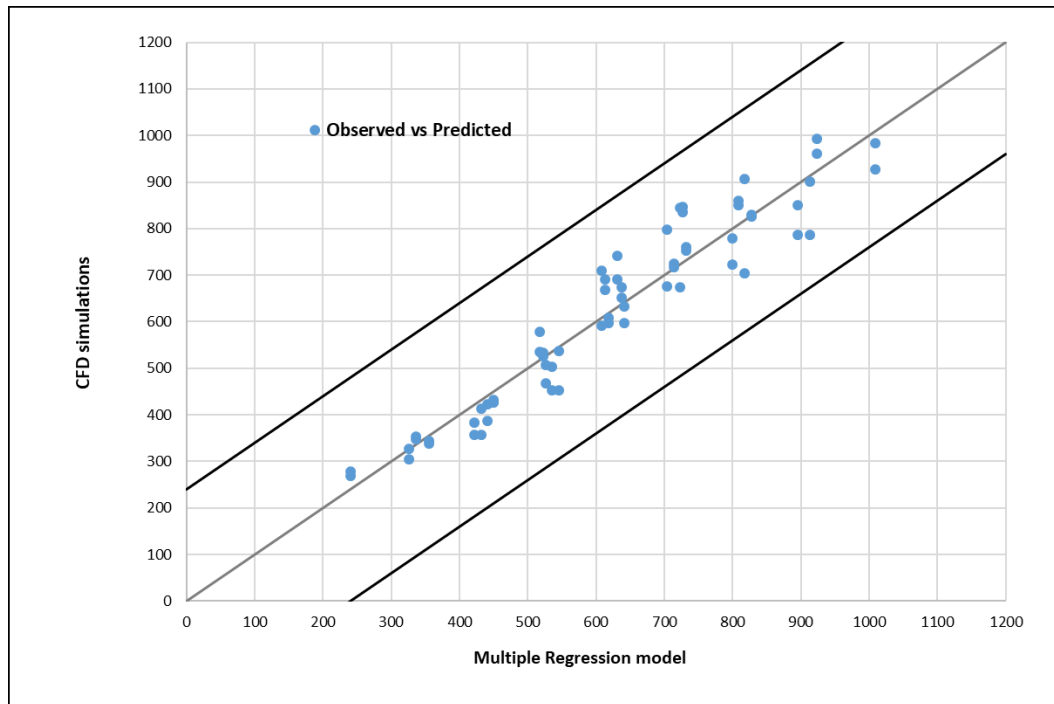


X/L = 0.9 - BOTTOM FLANGE

Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
1	1	0	23.4 m	24 m	5 m	2400 kW/m2	830.4 °C	827.9 °C
2	1	0	23.4 m	24 m	5 m	1800 kW/m2	717.3 °C	713.9 °C
3	0	0	23.4 m	24 m	5 m	2400 kW/m2	536.7 °C	545.8 °C
4	0	0	23.4 m	24 m	5 m	1800 kW/m2	413.0 °C	431.8 °C
5	1	0	23.4 m	24 m	9 m	2400 kW/m2	673.6 °C	636.9 °C
6	1	0	23.4 m	24 m	9 m	1800 kW/m2	534.2 °C	522.9 °C
7	0	0	23.4 m	24 m	9 m	2400 kW/m2	344.6 °C	354.8 °C
8	0	0	23.4 m	24 m	9 m	1800 kW/m2	278.9 °C	240.8 °C
9	1	0	23.4 m	16 m	5 m	2400 kW/m2	960.3 °C	923.0 °C
10	1	0	23.4 m	16 m	5 m	1800 kW/m2	851.0 °C	809.0 °C
11	0	0	23.4 m	16 m	5 m	2400 kW/m2	633.1 °C	640.9 °C
12	0	0	23.4 m	16 m	5 m	1800 kW/m2	506.5 °C	527.0 °C
13	1	0	23.4 m	16 m	9 m	2400 kW/m2	752.4 °C	732.0 °C
14	1	0	23.4 m	16 m	9 m	1800 kW/m2	597.9 °C	618.1 °C
15	0	0	23.4 m	16 m	9 m	2400 kW/m2	426.6 °C	449.9 °C
16	0	0	23.4 m	16 m	9 m	1800 kW/m2	347.5 °C	336.0 °C
17	1	0	13.0 m	24 m	5 m	2400 kW/m2	826.7 °C	827.9 °C
18	1	0	13.0 m	24 m	5 m	1800 kW/m2	724.3 °C	713.9 °C
19	0	0	13.0 m	24 m	5 m	2400 kW/m2	452.9 °C	545.8 °C
20	0	0	13.0 m	24 m	5 m	1800 kW/m2	357.4 °C	431.8 °C
21	1	0	13.0 m	24 m	9 m	2400 kW/m2	650.6 °C	636.9 °C
22	1	0	13.0 m	24 m	9 m	1800 kW/m2	526.2 °C	522.9 °C
23	0	0	13.0 m	24 m	9 m	2400 kW/m2	337.9 °C	354.8 °C
24	0	0	13.0 m	24 m	9 m	1800 kW/m2	268.6 °C	240.8 °C
25	1	0	13.0 m	16 m	5 m	2400 kW/m2	993.8 °C	923.0 °C
26	1	0	13.0 m	16 m	5 m	1800 kW/m2	860.4 °C	809.0 °C
27	0	0	13.0 m	16 m	5 m	2400 kW/m2	596.3 °C	640.9 °C
28	0	0	13.0 m	16 m	5 m	1800 kW/m2	467.6 °C	527.0 °C
29	1	0	13.0 m	16 m	9 m	2400 kW/m2	760.2 °C	732.0 °C
30	1	0	13.0 m	16 m	9 m	1800 kW/m2	608.1 °C	618.1 °C
31	0	0	13.0 m	16 m	9 m	2400 kW/m2	432.8 °C	449.9 °C
32	0	0	13.0 m	16 m	9 m	1800 kW/m2	353.1 °C	336.0 °C
33	1	1	23.4 m	24 m	5 m	2400 kW/m2	786.0 °C	913.6 °C
34	1	1	23.4 m	24 m	5 m	1800 kW/m2	722.0 °C	799.7 °C
35	0	1	23.4 m	24 m	5 m	2400 kW/m2	742.4 °C	631.5 °C
36	0	1	23.4 m	24 m	5 m	1800 kW/m2	578.8 °C	517.6 °C
37	1	1	23.4 m	24 m	9 m	2400 kW/m2	845.3 °C	722.6 °C



Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
38	1	1	23.4 m	24 m	9 m	1800 kW/m ²	709.0 °C	608.7 °C
39	0	1	23.4 m	24 m	9 m	2400 kW/m ²	423.1 °C	440.5 °C
40	0	1	23.4 m	24 m	9 m	1800 kW/m ²	327.6 °C	326.6 °C
41	1	1	23.4 m	16 m	5 m	2400 kW/m ²	926.9 °C	1008.8 °C
42	1	1	23.4 m	16 m	5 m	1800 kW/m ²	786.3 °C	894.8 °C
43	0	1	23.4 m	16 m	5 m	2400 kW/m ²	835.1 °C	726.7 °C
44	0	1	23.4 m	16 m	5 m	1800 kW/m ²	690.8 °C	612.7 °C
45	1	1	23.4 m	16 m	9 m	2400 kW/m ²	906.0 °C	817.8 °C
46	1	1	23.4 m	16 m	9 m	1800 kW/m ²	797.2 °C	703.8 °C
47	0	1	23.4 m	16 m	9 m	2400 kW/m ²	504.3 °C	535.7 °C
48	0	1	23.4 m	16 m	9 m	1800 kW/m ²	383.8 °C	421.7 °C
49	1	1	13.0 m	24 m	5 m	2400 kW/m ²	900.8 °C	913.6 °C
50	1	1	13.0 m	24 m	5 m	1800 kW/m ²	779.2 °C	799.7 °C
51	0	1	13.0 m	24 m	5 m	2400 kW/m ²	690.2 °C	631.5 °C
52	0	1	13.0 m	24 m	5 m	1800 kW/m ²	534.9 °C	517.6 °C
53	1	1	13.0 m	24 m	9 m	2400 kW/m ²	674.7 °C	722.6 °C
54	1	1	13.0 m	24 m	9 m	1800 kW/m ²	591.9 °C	608.7 °C
55	0	1	13.0 m	24 m	9 m	2400 kW/m ²	387.2 °C	440.5 °C
56	0	1	13.0 m	24 m	9 m	1800 kW/m ²	304.4 °C	326.6 °C
57	1	1	13.0 m	16 m	5 m	2400 kW/m ²	983.9 °C	1008.8 °C
58	1	1	13.0 m	16 m	5 m	1800 kW/m ²	850.6 °C	894.8 °C
59	0	1	13.0 m	16 m	5 m	2400 kW/m ²	845.8 °C	726.7 °C
60	0	1	13.0 m	16 m	5 m	1800 kW/m ²	667.6 °C	612.7 °C
61	1	1	13.0 m	16 m	9 m	2400 kW/m ²	703.5 °C	817.8 °C
62	1	1	13.0 m	16 m	9 m	1800 kW/m ²	675.7 °C	703.8 °C
63	0	1	13.0 m	16 m	9 m	2400 kW/m ²	452.5 °C	535.7 °C
64	0	1	13.0 m	16 m	9 m	1800 kW/m ²	357.7 °C	421.7 °C



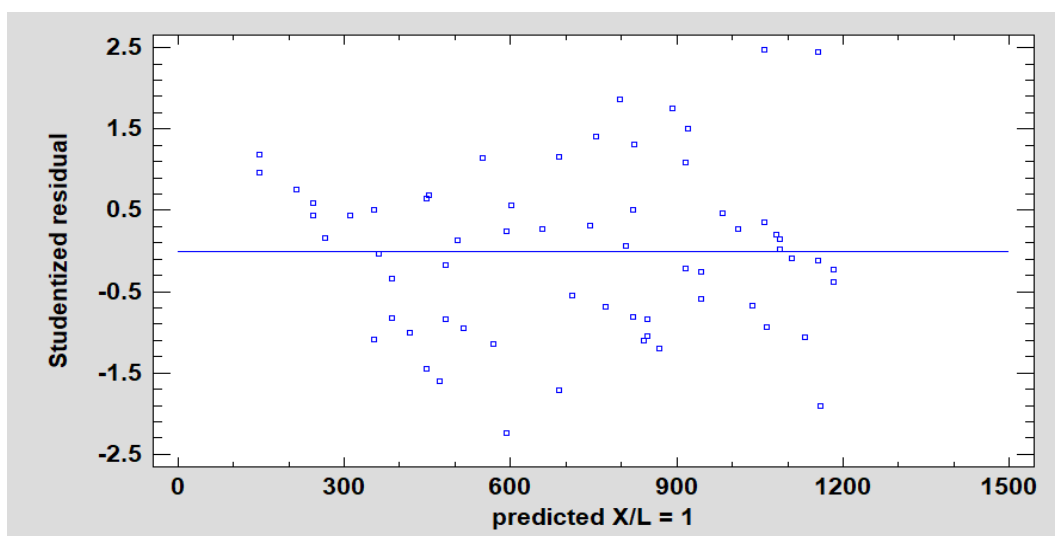
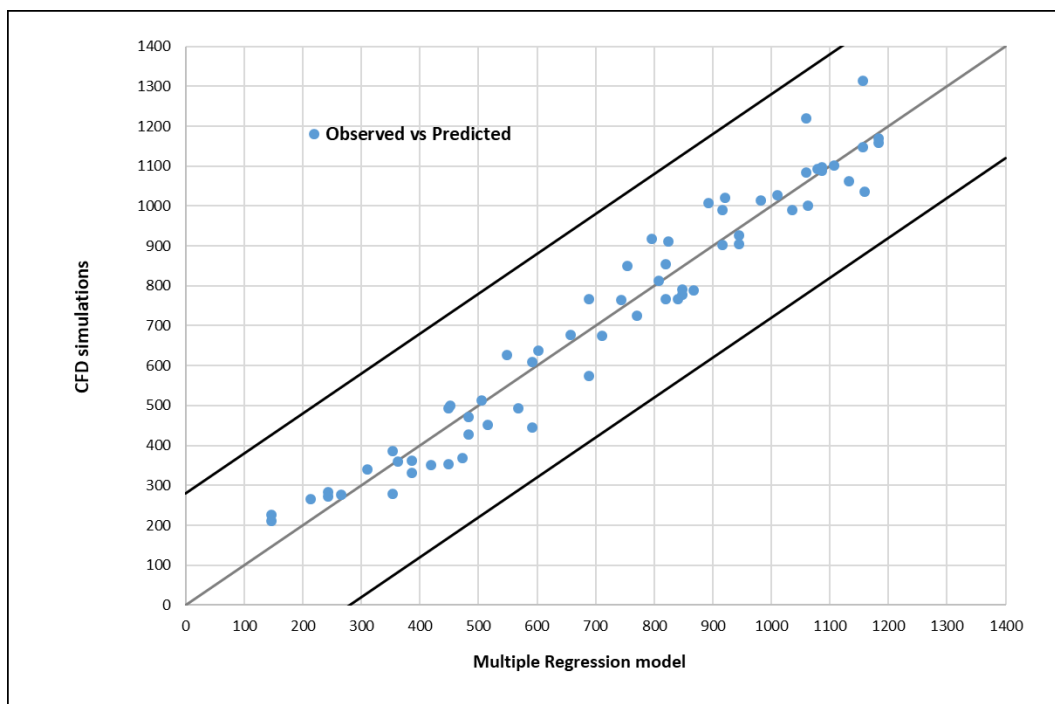
Model	Observed	Predicted	Residual	Studentized Res.
33	786.0 °C	913.6 °C	-127.6 °C	-2.29
37	845.4 °C	722.6 °C	122.7 °C	2.2
59	845.8 °C	726.7 °C	119.2 °C	2.13
61	703.5 °C	817.8 °C	-114.3 °C	-2.04

X/L = 1 - BOTTOM FLANGE

Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
1	1	0	23.4 m	24 m	5 m	2400 kW/m ²	1158.0 °C	1183.3 °C
2	1	0	23.4 m	24 m	5 m	1800 kW/m ²	1088.4 °C	1086.7 °C
3	0	0	23.4 m	24 m	5 m	2400 kW/m ²	470.7 °C	482.6 °C
4	0	0	23.4 m	24 m	5 m	1800 kW/m ²	362.9 °C	385.9 °C
5	1	0	23.4 m	24 m	9 m	2400 kW/m ²	926.8 °C	944.4 °C
6	1	0	23.4 m	24 m	9 m	1800 kW/m ²	778.3 °C	847.7 °C
7	0	0	23.4 m	24 m	9 m	2400 kW/m ²	283.1 °C	243.7 °C
8	0	0	23.4 m	24 m	9 m	1800 kW/m ²	226.2 °C	147.0 °C
9	1	0	23.4 m	16 m	5 m	2400 kW/m ²	1147.7 °C	1155.6 °C
10	1	0	23.4 m	16 m	5 m	1800 kW/m ²	1082.9 °C	1058.9 °C
11	0	0	23.4 m	16 m	5 m	2400 kW/m ²	574.8 °C	688.4 °C
12	0	0	23.4 m	16 m	5 m	1800 kW/m ²	445.9 °C	591.8 °C
13	1	0	23.4 m	16 m	9 m	2400 kW/m ²	902.5 °C	916.7 °C
14	1	0	23.4 m	16 m	9 m	1800 kW/m ²	765.6 °C	820.0 °C
15	0	0	23.4 m	16 m	9 m	2400 kW/m ²	352.9 °C	449.5 °C
16	0	0	23.4 m	16 m	9 m	1800 kW/m ²	279.6 °C	352.9 °C
17	1	0	13.0 m	24 m	5 m	2400 kW/m ²	1168.4 °C	1183.3 °C
18	1	0	13.0 m	24 m	5 m	1800 kW/m ²	1096.2 °C	1086.7 °C
19	0	0	13.0 m	24 m	5 m	2400 kW/m ²	426.9 °C	482.6 °C
20	0	0	13.0 m	24 m	5 m	1800 kW/m ²	330.4 °C	385.9 °C
21	1	0	13.0 m	24 m	9 m	2400 kW/m ²	904.9 °C	944.4 °C
22	1	0	13.0 m	24 m	9 m	1800 kW/m ²	791.6 °C	847.7 °C
23	0	0	13.0 m	24 m	9 m	2400 kW/m ²	272.7 °C	243.7 °C
24	0	0	13.0 m	24 m	9 m	1800 kW/m ²	211.0 °C	147.0 °C
25	1	0	13.0 m	16 m	5 m	2400 kW/m ²	1313.9 °C	1155.6 °C
26	1	0	13.0 m	16 m	5 m	1800 kW/m ²	1218.9 °C	1058.9 °C
27	0	0	13.0 m	16 m	5 m	2400 kW/m ²	766.0 °C	688.4 °C
28	0	0	13.0 m	16 m	5 m	1800 kW/m ²	608.1 °C	591.8 °C
29	1	0	13.0 m	16 m	9 m	2400 kW/m ²	990.2 °C	916.7 °C
30	1	0	13.0 m	16 m	9 m	1800 kW/m ²	854.7 °C	820.0 °C
31	0	0	13.0 m	16 m	9 m	2400 kW/m ²	493.3 °C	449.5 °C
32	0	0	13.0 m	16 m	9 m	1800 kW/m ²	387.0 °C	352.9 °C
33	1	1	23.4 m	24 m	5 m	2400 kW/m ²	1035.9 °C	1159.8 °C
34	1	1	23.4 m	24 m	5 m	1800 kW/m ²	1001.0 °C	1063.1 °C
35	0	1	23.4 m	24 m	5 m	2400 kW/m ²	638.6 °C	601.7 °C
36	0	1	23.4 m	24 m	5 m	1800 kW/m ²	513.4 °C	505.1 °C
37	1	1	23.4 m	24 m	9 m	2400 kW/m ²	1019.6 °C	920.8 °C



Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
38	1	1	23.4 m	24 m	9 m	1800 kW/m ²	911.0 °C	824.2 °C
39	0	1	23.4 m	24 m	9 m	2400 kW/m ²	360.1 °C	362.8 °C
40	0	1	23.4 m	24 m	9 m	1800 kW/m ²	277.1 °C	266.1 °C
41	1	1	23.4 m	16 m	5 m	2400 kW/m ²	1061.5 °C	1132.0 °C
42	1	1	23.4 m	16 m	5 m	1800 kW/m ²	990.5 °C	1035.4 °C
43	0	1	23.4 m	16 m	5 m	2400 kW/m ²	811.6 °C	807.6 °C
44	0	1	23.4 m	16 m	5 m	1800 kW/m ²	674.7 °C	710.9 °C
45	1	1	23.4 m	16 m	9 m	2400 kW/m ²	1007.8 °C	893.1 °C
46	1	1	23.4 m	16 m	9 m	1800 kW/m ²	917.8 °C	796.5 °C
47	0	1	23.4 m	16 m	9 m	2400 kW/m ²	494.0 °C	568.6 °C
48	0	1	23.4 m	16 m	9 m	1800 kW/m ²	368.3 °C	472.0 °C
49	1	1	13.0 m	24 m	5 m	2400 kW/m ²	1100.9 °C	1106.8 °C
50	1	1	13.0 m	24 m	5 m	1800 kW/m ²	1028.0 °C	1010.2 °C
51	0	1	13.0 m	24 m	5 m	2400 kW/m ²	625.8 °C	548.8 °C
52	0	1	13.0 m	24 m	5 m	1800 kW/m ²	499.1 °C	452.1 °C
53	1	1	13.0 m	24 m	9 m	2400 kW/m ²	788.7 °C	867.9 °C
54	1	1	13.0 m	24 m	9 m	1800 kW/m ²	725.7 °C	771.2 °C
55	0	1	13.0 m	24 m	9 m	2400 kW/m ²	339.9 °C	309.8 °C
56	0	1	13.0 m	24 m	9 m	1800 kW/m ²	264.8 °C	213.2 °C
57	1	1	13.0 m	16 m	5 m	2400 kW/m ²	1092.5 °C	1079.1 °C
58	1	1	13.0 m	16 m	5 m	1800 kW/m ²	1013.8 °C	982.4 °C
59	0	1	13.0 m	16 m	5 m	2400 kW/m ²	849.4 °C	754.6 °C
60	0	1	13.0 m	16 m	5 m	1800 kW/m ²	676.9 °C	658.0 °C
61	1	1	13.0 m	16 m	9 m	2400 kW/m ²	767.0 °C	840.2 °C
62	1	1	13.0 m	16 m	9 m	1800 kW/m ²	764.5 °C	743.5 °C
63	0	1	13.0 m	16 m	9 m	2400 kW/m ²	451.3 °C	515.7 °C
64	0	1	13.0 m	16 m	9 m	1800 kW/m ²	350.4 °C	419.0 °C



Model	Observed	Predicted	Residual	Studentized Res.
12	445.9 °C	591.8 °C	-145.8 °C	-2.23
25	1313.9 °C	1155.6 °C	158.3 °C	2.45
26	1218.9 °C	1059.0 °C	160.0 °C	2.48

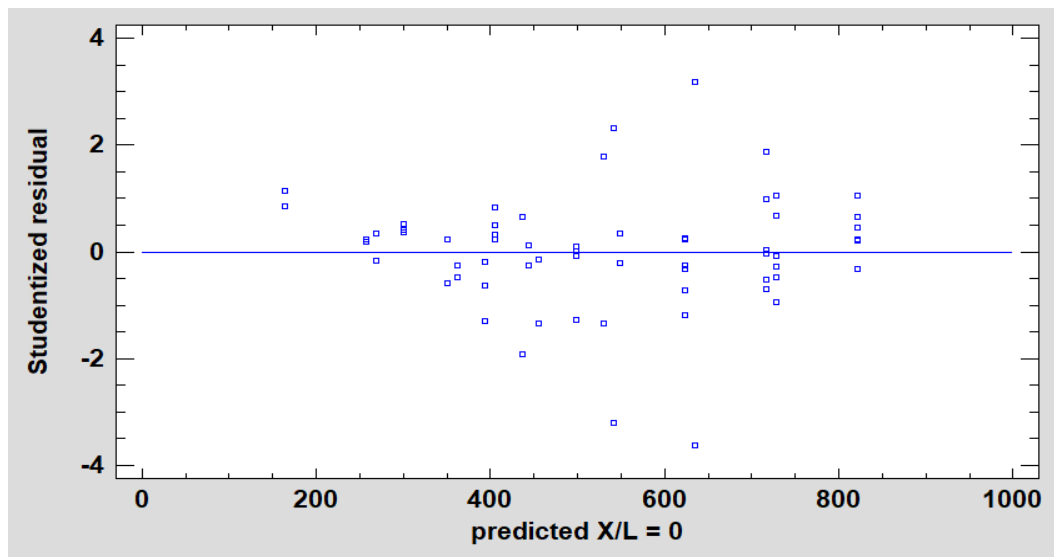
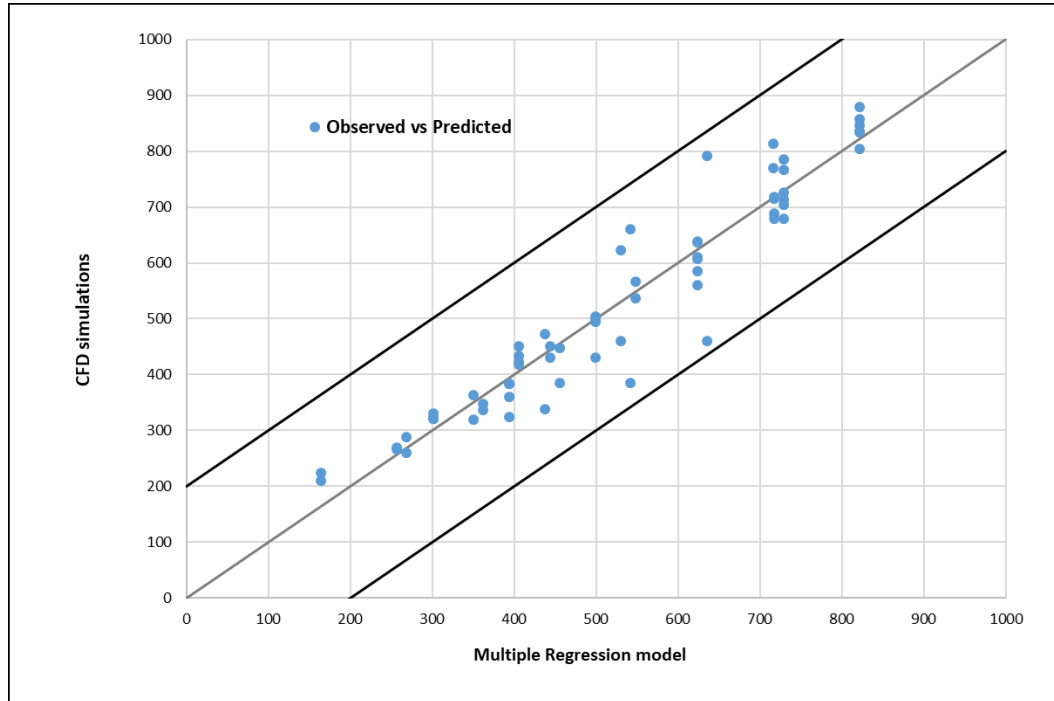


X/L = 0 - WEB

Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
1	1	0	23.4 m	24 m	5 m	2400 kW/m2	447.7 °C	455.5 °C
2	1	0	23.4 m	24 m	5 m	1800 kW/m2	362.6 °C	350.7 °C
3	0	0	23.4 m	24 m	5 m	2400 kW/m2	725.2 °C	728.9 °C
4	0	0	23.4 m	24 m	5 m	1800 kW/m2	584.6 °C	624.0 °C
5	1	0	23.4 m	24 m	9 m	2400 kW/m2	287.8 °C	268.9 °C
6	1	0	23.4 m	24 m	9 m	1800 kW/m2	224.4 °C	164.0 °C
7	0	0	23.4 m	24 m	9 m	2400 kW/m2	433.5 °C	405.9 °C
8	0	0	23.4 m	24 m	9 m	1800 kW/m2	322.9 °C	301.0 °C
9	1	0	23.4 m	16 m	5 m	2400 kW/m2	566.8 °C	548.6 °C
10	1	0	23.4 m	16 m	5 m	1800 kW/m2	450.9 °C	443.8 °C
11	0	0	23.4 m	16 m	5 m	2400 kW/m2	835.2 °C	822.0 °C
12	0	0	23.4 m	16 m	5 m	1800 kW/m2	688.6 °C	717.1 °C
13	1	0	23.4 m	16 m	9 m	2400 kW/m2	347.8 °C	362.0 °C
14	1	0	23.4 m	16 m	9 m	1800 kW/m2	269.6 °C	257.2 °C
15	0	0	23.4 m	16 m	9 m	2400 kW/m2	499.0 °C	499.0 °C
16	0	0	23.4 m	16 m	9 m	1800 kW/m2	383.3 °C	394.1 °C
17	1	0	13.0 m	24 m	5 m	2400 kW/m2	384.9 °C	455.5 °C
18	1	0	13.0 m	24 m	5 m	1800 kW/m2	318.7 °C	350.7 °C
19	0	0	13.0 m	24 m	5 m	2400 kW/m2	703.4 °C	728.9 °C
20	0	0	13.0 m	24 m	5 m	1800 kW/m2	560.0 °C	624.0 °C
21	1	0	13.0 m	24 m	9 m	2400 kW/m2	260.2 °C	268.9 °C
22	1	0	13.0 m	24 m	9 m	1800 kW/m2	209.6 °C	164.0 °C
23	0	0	13.0 m	24 m	9 m	2400 kW/m2	418.7 °C	405.9 °C
24	0	0	13.0 m	24 m	9 m	1800 kW/m2	321.2 °C	301.0 °C
25	1	0	13.0 m	16 m	5 m	2400 kW/m2	536.8 °C	548.6 °C
26	1	0	13.0 m	16 m	5 m	1800 kW/m2	430.4 °C	443.8 °C
27	0	0	13.0 m	16 m	5 m	2400 kW/m2	846.3 °C	822.0 °C
28	0	0	13.0 m	16 m	5 m	1800 kW/m2	679.7 °C	717.1 °C
29	1	0	13.0 m	16 m	9 m	2400 kW/m2	336.6 °C	362.0 °C
30	1	0	13.0 m	16 m	9 m	1800 kW/m2	266.8 °C	257.2 °C
31	0	0	13.0 m	16 m	9 m	2400 kW/m2	504.7 °C	499.0 °C
32	0	0	13.0 m	16 m	9 m	1800 kW/m2	383.5 °C	394.1 °C
33	1	1	23.4 m	24 m	5 m	2400 kW/m2	678.8 °C	728.6 °C
34	1	1	23.4 m	24 m	5 m	1800 kW/m2	607.0 °C	623.8 °C
35	0	1	23.4 m	24 m	5 m	2400 kW/m2	785.6 °C	728.9 °C
36	0	1	23.4 m	24 m	5 m	1800 kW/m2	636.4 °C	624.0 °C
37	1	1	23.4 m	24 m	9 m	2400 kW/m2	660.8 °C	542.0 °C



Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
38	1	1	23.4 m	24 m	9 m	1800 kW/m ²	472.6 °C	437.2 °C
39	0	1	23.4 m	24 m	9 m	2400 kW/m ²	450.5 °C	405.9 °C
40	0	1	23.4 m	24 m	9 m	1800 kW/m ²	329.9 °C	301.0 °C
41	1	1	23.4 m	16 m	5 m	2400 kW/m ²	804.0 °C	821.7 °C
42	1	1	23.4 m	16 m	5 m	1800 kW/m ²	769.0 °C	716.9 °C
43	0	1	23.4 m	16 m	5 m	2400 kW/m ²	833.9 °C	822.0 °C
44	0	1	23.4 m	16 m	5 m	1800 kW/m ²	715.1 °C	717.1 °C
45	1	1	23.4 m	16 m	9 m	2400 kW/m ²	791.8 °C	635.1 °C
46	1	1	23.4 m	16 m	9 m	1800 kW/m ²	623.2 °C	530.3 °C
47	0	1	23.4 m	16 m	9 m	2400 kW/m ²	494.9 °C	499.0 °C
48	0	1	23.4 m	16 m	9 m	1800 kW/m ²	360.1 °C	394.1 °C
49	1	1	13.0 m	24 m	5 m	2400 kW/m ²	713.3 °C	728.6 °C
50	1	1	13.0 m	24 m	5 m	1800 kW/m ²	637.8 °C	623.8 °C
51	0	1	13.0 m	24 m	5 m	2400 kW/m ²	766.0 °C	728.9 °C
52	0	1	13.0 m	24 m	5 m	1800 kW/m ²	610.7 °C	624.0 °C
53	1	1	13.0 m	24 m	9 m	2400 kW/m ²	384.5 °C	542.0 °C
54	1	1	13.0 m	24 m	9 m	1800 kW/m ²	337.8 °C	437.2 °C
55	0	1	13.0 m	24 m	9 m	2400 kW/m ²	422.9 °C	405.9 °C
56	0	1	13.0 m	24 m	9 m	1800 kW/m ²	320.6 °C	301.0 °C
57	1	1	13.0 m	16 m	5 m	2400 kW/m ²	856.7 °C	821.7 °C
58	1	1	13.0 m	16 m	5 m	1800 kW/m ²	813.9 °C	716.9 °C
59	0	1	13.0 m	16 m	5 m	2400 kW/m ²	879.0 °C	822.0 °C
60	0	1	13.0 m	16 m	5 m	1800 kW/m ²	718.5 °C	717.1 °C
61	1	1	13.0 m	16 m	9 m	2400 kW/m ²	460.4 °C	635.1 °C
62	1	1	13.0 m	16 m	9 m	1800 kW/m ²	459.6 °C	530.3 °C
63	0	1	13.0 m	16 m	9 m	2400 kW/m ²	430.5 °C	499.0 °C
64	0	1	13.0 m	16 m	9 m	1800 kW/m ²	324.0 °C	394.1 °C



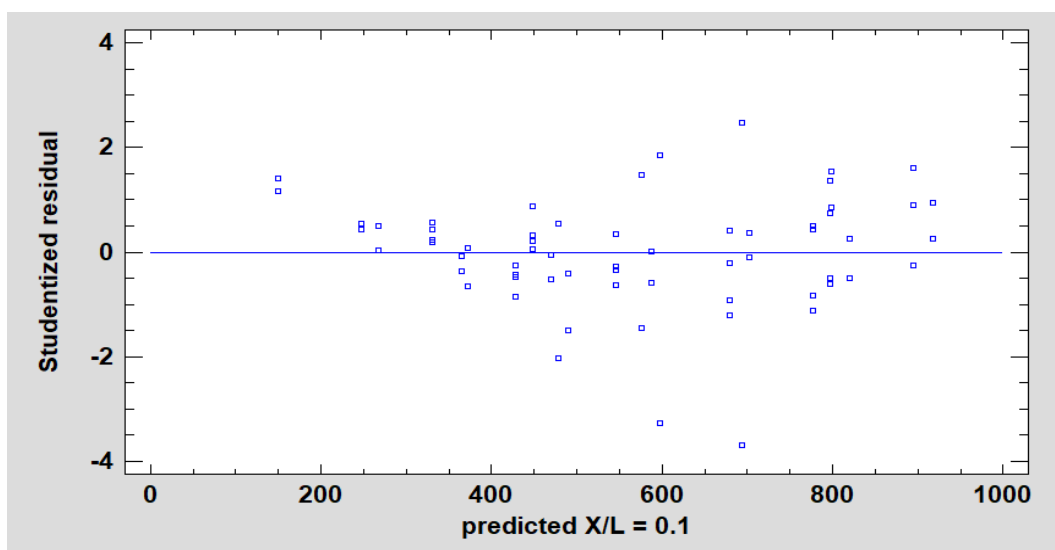
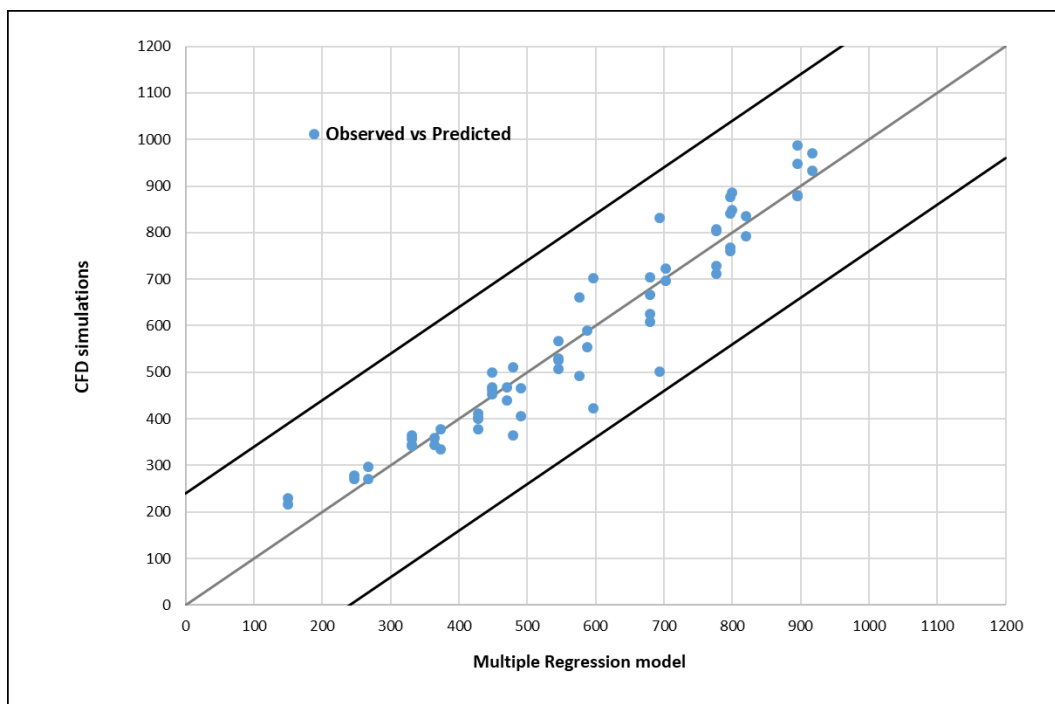
Model	Observed	Predicted	Residual	Studentized Res.
37	660.8 °C	542.0 °C	118.8 °C	2.32
45	791.8 °C	635.1 °C	156.7 °C	3.18
53	384.5 °C	542.0 °C	-157.6 °C	-3.2
61	460.4 °C	635.1 °C	-174.7 °C	-3.62

X/L = 0.1 - WEB

Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
1	1	0	23.4 m	24 m	5 m	2400 kW/m ²	466.4 °C	490.6 °C
2	1	0	23.4 m	24 m	5 m	1800 kW/m ²	376.8 °C	372.7 °C
3	0	0	23.4 m	24 m	5 m	2400 kW/m ²	768.7 °C	797.6 °C
4	0	0	23.4 m	24 m	5 m	1800 kW/m ²	625.2 °C	679.7 °C
5	1	0	23.4 m	24 m	9 m	2400 kW/m ²	296.3 °C	267.6 °C
6	1	0	23.4 m	24 m	9 m	1800 kW/m ²	230.4 °C	149.6 °C
7	0	0	23.4 m	24 m	9 m	2400 kW/m ²	461.7 °C	448.6 °C
8	0	0	23.4 m	24 m	9 m	1800 kW/m ²	341.7 °C	330.6 °C
9	1	0	23.4 m	16 m	5 m	2400 kW/m ²	588.9 °C	587.7 °C
10	1	0	23.4 m	16 m	5 m	1800 kW/m ²	467.2 °C	469.8 °C
11	0	0	23.4 m	16 m	5 m	2400 kW/m ²	879.5 °C	894.8 °C
12	0	0	23.4 m	16 m	5 m	1800 kW/m ²	728.2 °C	776.8 °C
13	1	0	23.4 m	16 m	9 m	2400 kW/m ²	359.9 °C	364.7 °C
14	1	0	23.4 m	16 m	9 m	1800 kW/m ²	278.4 °C	246.8 °C
15	0	0	23.4 m	16 m	9 m	2400 kW/m ²	525.9 °C	545.7 °C
16	0	0	23.4 m	16 m	9 m	1800 kW/m ²	402.0 °C	427.8 °C
17	1	0	13.0 m	24 m	5 m	2400 kW/m ²	405.5 °C	490.6 °C
18	1	0	13.0 m	24 m	5 m	1800 kW/m ²	334.7 °C	372.7 °C
19	0	0	13.0 m	24 m	5 m	2400 kW/m ²	761.2 °C	797.6 °C
20	0	0	13.0 m	24 m	5 m	1800 kW/m ²	608.5 °C	679.7 °C
21	1	0	13.0 m	24 m	9 m	2400 kW/m ²	269.9 °C	267.6 °C
22	1	0	13.0 m	24 m	9 m	1800 kW/m ²	216.1 °C	149.6 °C
23	0	0	13.0 m	24 m	9 m	2400 kW/m ²	452.1 °C	448.6 °C
24	0	0	13.0 m	24 m	9 m	1800 kW/m ²	344.6 °C	330.6 °C
25	1	0	13.0 m	16 m	5 m	2400 kW/m ²	553.8 °C	587.7 °C
26	1	0	13.0 m	16 m	5 m	1800 kW/m ²	440.0 °C	469.8 °C
27	0	0	13.0 m	16 m	5 m	2400 kW/m ²	879.4 °C	894.8 °C
28	0	0	13.0 m	16 m	5 m	1800 kW/m ²	711.2 °C	776.8 °C
29	1	0	13.0 m	16 m	9 m	2400 kW/m ²	343.2 °C	364.7 °C
30	1	0	13.0 m	16 m	9 m	1800 kW/m ²	271.6 °C	246.8 °C
31	0	0	13.0 m	16 m	9 m	2400 kW/m ²	529.8 °C	545.7 °C
32	0	0	13.0 m	16 m	9 m	1800 kW/m ²	399.7 °C	427.8 °C
33	1	1	23.4 m	24 m	5 m	2400 kW/m ²	791.3 °C	820.1 °C
34	1	1	23.4 m	24 m	5 m	1800 kW/m ²	696.3 °C	702.1 °C
35	0	1	23.4 m	24 m	5 m	2400 kW/m ²	877.5 °C	797.6 °C
36	0	1	23.4 m	24 m	5 m	1800 kW/m ²	704.2 °C	679.7 °C
37	1	1	23.4 m	24 m	9 m	2400 kW/m ²	701.8 °C	597.1 °C



Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
38	1	1	23.4 m	24 m	9 m	1800 kW/m2	510.5 °C	479.1 °C
39	0	1	23.4 m	24 m	9 m	2400 kW/m2	500.4 °C	448.6 °C
40	0	1	23.4 m	24 m	9 m	1800 kW/m2	364.1 °C	330.6 °C
41	1	1	23.4 m	16 m	5 m	2400 kW/m2	932.1 °C	917.2 °C
42	1	1	23.4 m	16 m	5 m	1800 kW/m2	849.1 °C	799.3 °C
43	0	1	23.4 m	16 m	5 m	2400 kW/m2	947.7 °C	894.8 °C
44	0	1	23.4 m	16 m	5 m	1800 kW/m2	806.8 °C	776.8 °C
45	1	1	23.4 m	16 m	9 m	2400 kW/m2	831.1 °C	694.2 °C
46	1	1	23.4 m	16 m	9 m	1800 kW/m2	660.2 °C	576.2 °C
47	0	1	23.4 m	16 m	9 m	2400 kW/m2	566.3 °C	545.7 °C
48	0	1	23.4 m	16 m	9 m	1800 kW/m2	412.4 °C	427.8 °C
49	1	1	13.0 m	24 m	5 m	2400 kW/m2	835.3 °C	820.1 °C
50	1	1	13.0 m	24 m	5 m	1800 kW/m2	723.7 °C	702.1 °C
51	0	1	13.0 m	24 m	5 m	2400 kW/m2	840.9 °C	797.6 °C
52	0	1	13.0 m	24 m	5 m	1800 kW/m2	666.6 °C	679.7 °C
53	1	1	13.0 m	24 m	9 m	2400 kW/m2	422.5 °C	597.1 °C
54	1	1	13.0 m	24 m	9 m	1800 kW/m2	364.6 °C	479.1 °C
55	0	1	13.0 m	24 m	9 m	2400 kW/m2	468.0 °C	448.6 °C
56	0	1	13.0 m	24 m	9 m	1800 kW/m2	356.7 °C	330.6 °C
57	1	1	13.0 m	16 m	5 m	2400 kW/m2	971.2 °C	917.2 °C
58	1	1	13.0 m	16 m	5 m	1800 kW/m2	887.0 °C	799.3 °C
59	0	1	13.0 m	16 m	5 m	2400 kW/m2	987.4 °C	894.8 °C
60	0	1	13.0 m	16 m	5 m	1800 kW/m2	802.8 °C	776.8 °C
61	1	1	13.0 m	16 m	9 m	2400 kW/m2	501.5 °C	694.2 °C
62	1	1	13.0 m	16 m	9 m	1800 kW/m2	492.7 °C	576.2 °C
63	0	1	13.0 m	16 m	9 m	2400 kW/m2	508.0 °C	545.7 °C
64	0	1	13.0 m	16 m	9 m	1800 kW/m2	377.3 °C	427.8 °C



Model	Observed	Predicted	Residual	Studentized Res.
45	831.1 °C	694.2 °C	136.9 °C	2.48
53	422.5 °C	597.1 °C	-174.5 °C	-3.27
54	364.6 °C	479.1 °C	-114.5 °C	-2.04
61	501.5 °C	694.2 °C	-192.7 °C	-3.69

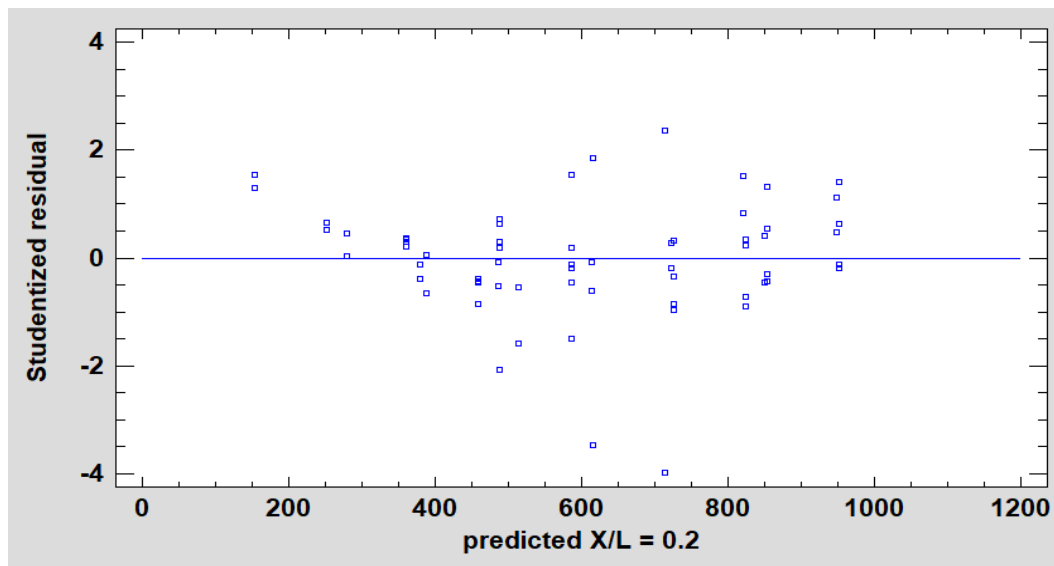
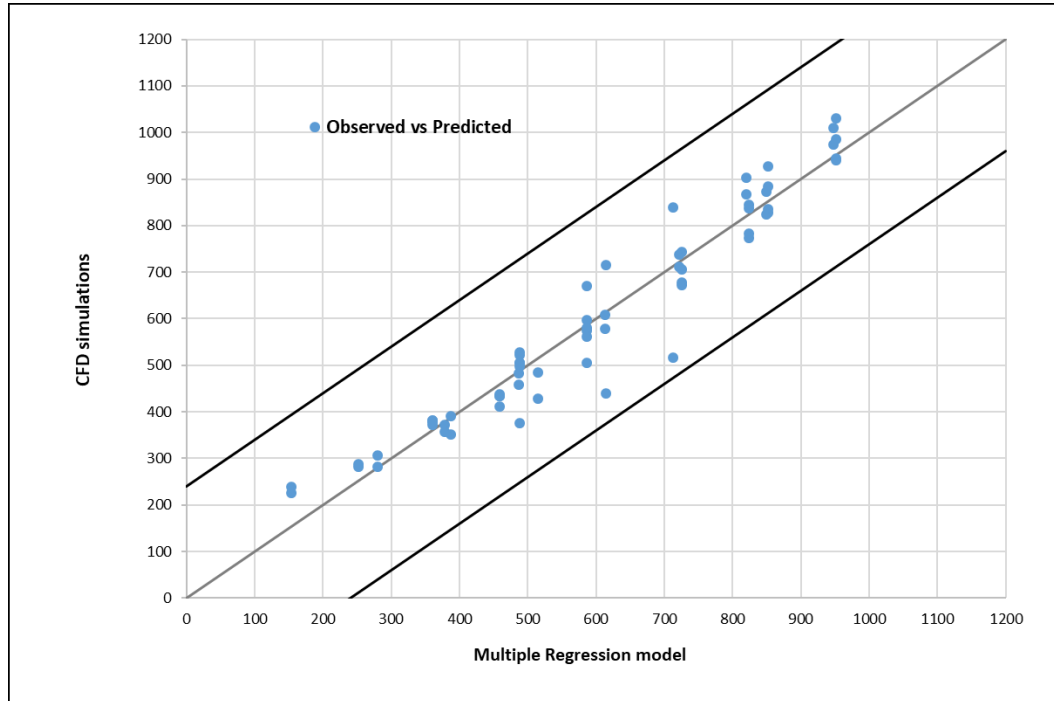


X/L = 0.2 - WEB

Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
1	1	0	23.4 m	24 m	5 m	2400 kW/m2	484.2 °C	514.6 °C
2	1	0	23.4 m	24 m	5 m	1800 kW/m2	390.7 °C	387.7 °C
3	0	0	23.4 m	24 m	5 m	2400 kW/m2	828.1 °C	852.4 °C
4	0	0	23.4 m	24 m	5 m	1800 kW/m2	677.5 °C	725.5 °C
5	1	0	23.4 m	24 m	9 m	2400 kW/m2	306.0 °C	280.4 °C
6	1	0	23.4 m	24 m	9 m	1800 kW/m2	238.1 °C	153.4 °C
7	0	0	23.4 m	24 m	9 m	2400 kW/m2	504.5 °C	487.6 °C
8	0	0	23.4 m	24 m	9 m	1800 kW/m2	372.0 °C	360.7 °C
9	1	0	23.4 m	16 m	5 m	2400 kW/m2	609.1 °C	613.2 °C
10	1	0	23.4 m	16 m	5 m	1800 kW/m2	482.3 °C	486.2 °C
11	0	0	23.4 m	16 m	5 m	2400 kW/m2	940.7 °C	951.0 °C
12	0	0	23.4 m	16 m	5 m	1800 kW/m2	783.4 °C	824.1 °C
13	1	0	23.4 m	16 m	9 m	2400 kW/m2	372.0 °C	378.9 °C
14	1	0	23.4 m	16 m	9 m	1800 kW/m2	288.0 °C	252.0 °C
15	0	0	23.4 m	16 m	9 m	2400 kW/m2	575.0 °C	586.2 °C
16	0	0	23.4 m	16 m	9 m	1800 kW/m2	436.8 °C	459.2 °C
17	1	0	13.0 m	24 m	5 m	2400 kW/m2	428.4 °C	514.6 °C
18	1	0	13.0 m	24 m	5 m	1800 kW/m2	351.7 °C	387.7 °C
19	0	0	13.0 m	24 m	5 m	2400 kW/m2	835.4 °C	852.4 °C
20	0	0	13.0 m	24 m	5 m	1800 kW/m2	671.4 °C	725.5 °C
21	1	0	13.0 m	24 m	9 m	2400 kW/m2	282.4 °C	280.4 °C
22	1	0	13.0 m	24 m	9 m	1800 kW/m2	225.1 °C	153.4 °C
23	0	0	13.0 m	24 m	9 m	2400 kW/m2	497.9 °C	487.6 °C
24	0	0	13.0 m	24 m	9 m	1800 kW/m2	377.3 °C	360.7 °C
25	1	0	13.0 m	16 m	5 m	2400 kW/m2	579.2 °C	613.2 °C
26	1	0	13.0 m	16 m	5 m	1800 kW/m2	457.5 °C	486.2 °C
27	0	0	13.0 m	16 m	5 m	2400 kW/m2	944.4 °C	951.0 °C
28	0	0	13.0 m	16 m	5 m	1800 kW/m2	773.5 °C	824.1 °C
29	1	0	13.0 m	16 m	9 m	2400 kW/m2	356.8 °C	378.9 °C
30	1	0	13.0 m	16 m	9 m	1800 kW/m2	281.2 °C	252.0 °C
31	0	0	13.0 m	16 m	9 m	2400 kW/m2	579.8 °C	586.2 °C
32	0	0	13.0 m	16 m	9 m	1800 kW/m2	433.3 °C	459.2 °C
33	1	1	23.4 m	24 m	5 m	2400 kW/m2	823.8 °C	848.9 °C
34	1	1	23.4 m	24 m	5 m	1800 kW/m2	711.4 °C	722.0 °C
35	0	1	23.4 m	24 m	5 m	2400 kW/m2	926.7 °C	852.4 °C
36	0	1	23.4 m	24 m	5 m	1800 kW/m2	743.6 °C	725.5 °C
37	1	1	23.4 m	24 m	9 m	2400 kW/m2	714.5 °C	614.7 °C



Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
38	1	1	23.4 m	24 m	9 m	1800 kW/m ²	522.8 °C	487.8 °C
39	0	1	23.4 m	24 m	9 m	2400 kW/m ²	528.2 °C	487.6 °C
40	0	1	23.4 m	24 m	9 m	1800 kW/m ²	380.9 °C	360.7 °C
41	1	1	23.4 m	16 m	5 m	2400 kW/m ²	974.4 °C	947.5 °C
42	1	1	23.4 m	16 m	5 m	1800 kW/m ²	866.4 °C	820.6 °C
43	0	1	23.4 m	16 m	5 m	2400 kW/m ²	986.2 °C	951.0 °C
44	0	1	23.4 m	16 m	5 m	1800 kW/m ²	837.2 °C	824.1 °C
45	1	1	23.4 m	16 m	9 m	2400 kW/m ²	839.0 °C	713.3 °C
46	1	1	23.4 m	16 m	9 m	1800 kW/m ²	670.1 °C	586.3 °C
47	0	1	23.4 m	16 m	9 m	2400 kW/m ²	597.4 °C	586.2 °C
48	0	1	23.4 m	16 m	9 m	1800 kW/m ²	434.3 °C	459.2 °C
49	1	1	13.0 m	24 m	5 m	2400 kW/m ²	872.3 °C	848.9 °C
50	1	1	13.0 m	24 m	5 m	1800 kW/m ²	737.2 °C	722.0 °C
51	0	1	13.0 m	24 m	5 m	2400 kW/m ²	883.7 °C	852.4 °C
52	0	1	13.0 m	24 m	5 m	1800 kW/m ²	706.6 °C	725.5 °C
53	1	1	13.0 m	24 m	9 m	2400 kW/m ²	439.5 °C	614.7 °C
54	1	1	13.0 m	24 m	9 m	1800 kW/m ²	376.3 °C	487.8 °C
55	0	1	13.0 m	24 m	9 m	2400 kW/m ²	505.1 °C	487.6 °C
56	0	1	13.0 m	24 m	9 m	1800 kW/m ²	380.7 °C	360.7 °C
57	1	1	13.0 m	16 m	5 m	2400 kW/m ²	1009.3 °C	947.5 °C
58	1	1	13.0 m	16 m	5 m	1800 kW/m ²	903.7 °C	820.6 °C
59	0	1	13.0 m	16 m	5 m	2400 kW/m ²	1029.6 °C	951.0 °C
60	0	1	13.0 m	16 m	5 m	1800 kW/m ²	843.9 °C	824.1 °C
61	1	1	13.0 m	16 m	9 m	2400 kW/m ²	517.3 °C	713.3 °C
62	1	1	13.0 m	16 m	9 m	1800 kW/m ²	504.5 °C	586.3 °C
63	0	1	13.0 m	16 m	9 m	2400 kW/m ²	560.8 °C	586.2 °C
64	0	1	13.0 m	16 m	9 m	1800 kW/m ²	410.7 °C	459.2 °C



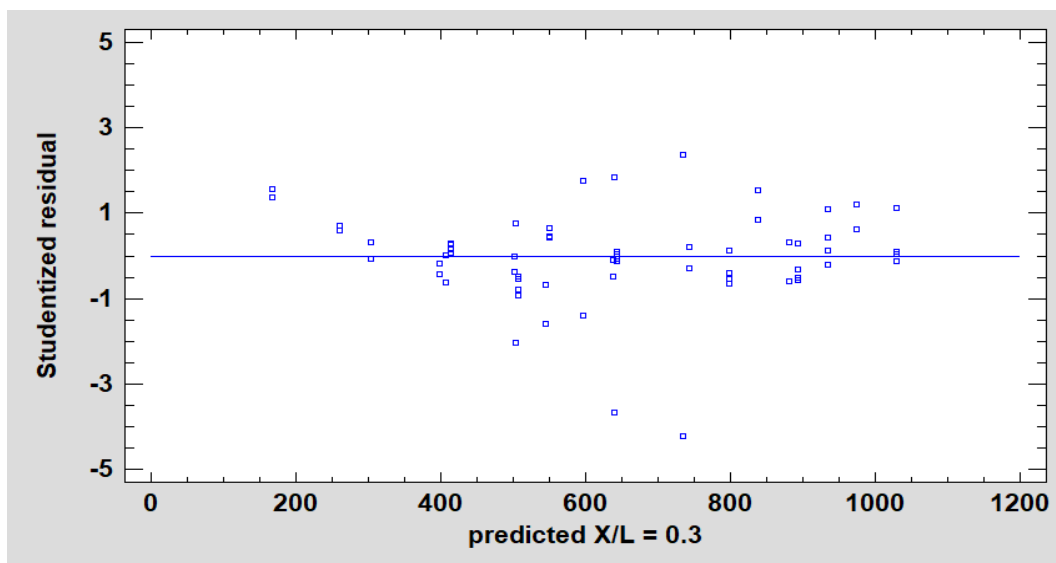
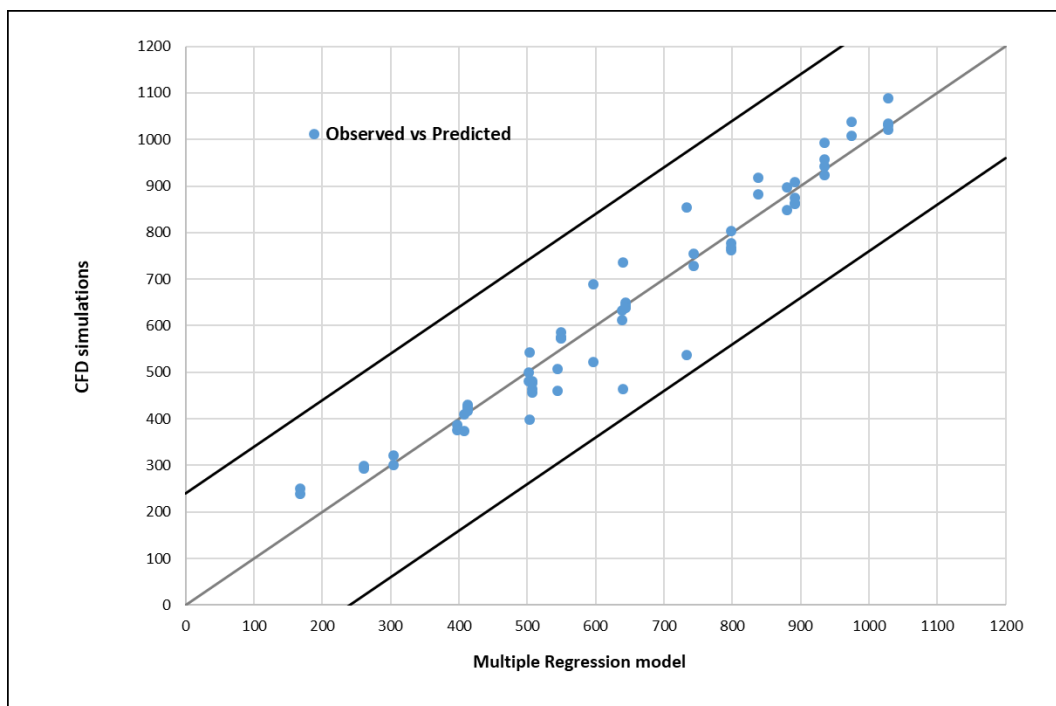
Model	Observed	Predicted	Residual	Studentized Res.
45	839.0 °C	713.3 °C	125.7 °C	2.36
53	439.5 °C	614.7 °C	-175.3 °C	-3.46
54	376.3 °C	487.8 °C	-111.5 °C	-2.08
61	517.3 °C	713.3 °C	-196.0 °C	-3.98

X/L = 0.3 - WEB

Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
1	1	0	23.4 m	24 m	5 m	2400 kW/m ²	508.0 °C	544.3 °C
2	1	0	23.4 m	24 m	5 m	1800 kW/m ²	408.9 °C	407.7 °C
3	0	0	23.4 m	24 m	5 m	2400 kW/m ²	924.1 °C	934.7 °C
4	0	0	23.4 m	24 m	5 m	1800 kW/m ²	763.2 °C	798.1 °C
5	1	0	23.4 m	24 m	9 m	2400 kW/m ²	320.6 °C	303.9 °C
6	1	0	23.4 m	24 m	9 m	1800 kW/m ²	249.4 °C	167.2 °C
7	0	0	23.4 m	24 m	9 m	2400 kW/m ²	575.0 °C	549.9 °C
8	0	0	23.4 m	24 m	9 m	1800 kW/m ²	422.1 °C	413.3 °C
9	1	0	23.4 m	16 m	5 m	2400 kW/m ²	633.4 °C	638.2 °C
10	1	0	23.4 m	16 m	5 m	1800 kW/m ²	500.5 °C	501.6 °C
11	0	0	23.4 m	16 m	5 m	2400 kW/m ²	1021.5 °C	1028.6 °C
12	0	0	23.4 m	16 m	5 m	1800 kW/m ²	861.4 °C	892.0 °C
13	1	0	23.4 m	16 m	9 m	2400 kW/m ²	387.6 °C	397.7 °C
14	1	0	23.4 m	16 m	9 m	1800 kW/m ²	299.4 °C	261.1 °C
15	0	0	23.4 m	16 m	9 m	2400 kW/m ²	640.0 °C	643.8 °C
16	0	0	23.4 m	16 m	9 m	1800 kW/m ²	480.6 °C	507.2 °C
17	1	0	13.0 m	24 m	5 m	2400 kW/m ²	460.2 °C	544.3 °C
18	1	0	13.0 m	24 m	5 m	1800 kW/m ²	374.9 °C	407.7 °C
19	0	0	13.0 m	24 m	5 m	2400 kW/m ²	941.9 °C	934.7 °C
20	0	0	13.0 m	24 m	5 m	1800 kW/m ²	768.4 °C	798.1 °C
21	1	0	13.0 m	24 m	9 m	2400 kW/m ²	300.2 °C	303.9 °C
22	1	0	13.0 m	24 m	9 m	1800 kW/m ²	239.0 °C	167.2 °C
23	0	0	13.0 m	24 m	9 m	2400 kW/m ²	573.4 °C	549.9 °C
24	0	0	13.0 m	24 m	9 m	1800 kW/m ²	429.5 °C	413.3 °C
25	1	0	13.0 m	16 m	5 m	2400 kW/m ²	611.8 °C	638.2 °C
26	1	0	13.0 m	16 m	5 m	1800 kW/m ²	481.3 °C	501.6 °C
27	0	0	13.0 m	16 m	5 m	2400 kW/m ²	1031.3 °C	1028.6 °C
28	0	0	13.0 m	16 m	5 m	1800 kW/m ²	864.1 °C	892.0 °C
29	1	0	13.0 m	16 m	9 m	2400 kW/m ²	375.2 °C	397.7 °C
30	1	0	13.0 m	16 m	9 m	1800 kW/m ²	293.4 °C	261.1 °C
31	0	0	13.0 m	16 m	9 m	2400 kW/m ²	649.5 °C	643.8 °C
32	0	0	13.0 m	16 m	9 m	1800 kW/m ²	477.5 °C	507.2 °C
33	1	1	23.4 m	24 m	5 m	2400 kW/m ²	849.1 °C	880.2 °C
34	1	1	23.4 m	24 m	5 m	1800 kW/m ²	728.6 °C	743.6 °C
35	0	1	23.4 m	24 m	5 m	2400 kW/m ²	993.4 °C	934.7 °C
36	0	1	23.4 m	24 m	5 m	1800 kW/m ²	804.1 °C	798.1 °C
37	1	1	23.4 m	24 m	9 m	2400 kW/m ²	735.3 °C	639.7 °C



Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
38	1	1	23.4 m	24 m	9 m	1800 kW/m2	543.0 °C	503.1 °C
39	0	1	23.4 m	24 m	9 m	2400 kW/m2	585.7 °C	549.9 °C
40	0	1	23.4 m	24 m	9 m	1800 kW/m2	416.5 °C	413.3 °C
41	1	1	23.4 m	16 m	5 m	2400 kW/m2	1007.6 °C	974.1 °C
42	1	1	23.4 m	16 m	5 m	1800 kW/m2	882.5 °C	837.5 °C
43	0	1	23.4 m	16 m	5 m	2400 kW/m2	1034.1 °C	1028.6 °C
44	0	1	23.4 m	16 m	5 m	1800 kW/m2	875.3 °C	892.0 °C
45	1	1	23.4 m	16 m	9 m	2400 kW/m2	854.0 °C	733.6 °C
46	1	1	23.4 m	16 m	9 m	1800 kW/m2	688.6 °C	597.0 °C
47	0	1	23.4 m	16 m	9 m	2400 kW/m2	646.4 °C	643.8 °C
48	0	1	23.4 m	16 m	9 m	1800 kW/m2	464.6 °C	507.2 °C
49	1	1	13.0 m	24 m	5 m	2400 kW/m2	897.4 °C	880.2 °C
50	1	1	13.0 m	24 m	5 m	1800 kW/m2	755.3 °C	743.6 °C
51	0	1	13.0 m	24 m	5 m	2400 kW/m2	957.6 °C	934.7 °C
52	0	1	13.0 m	24 m	5 m	1800 kW/m2	776.6 °C	798.1 °C
53	1	1	13.0 m	24 m	9 m	2400 kW/m2	463.2 °C	639.7 °C
54	1	1	13.0 m	24 m	9 m	1800 kW/m2	398.2 °C	503.1 °C
55	0	1	13.0 m	24 m	9 m	2400 kW/m2	573.7 °C	549.9 °C
56	0	1	13.0 m	24 m	9 m	1800 kW/m2	427.3 °C	413.3 °C
57	1	1	13.0 m	16 m	5 m	2400 kW/m2	1037.7 °C	974.1 °C
58	1	1	13.0 m	16 m	5 m	1800 kW/m2	917.5 °C	837.5 °C
59	0	1	13.0 m	16 m	5 m	2400 kW/m2	1088.5 °C	1028.6 °C
60	0	1	13.0 m	16 m	5 m	1800 kW/m2	907.8 °C	892.0 °C
61	1	1	13.0 m	16 m	9 m	2400 kW/m2	537.0 °C	733.6 °C
62	1	1	13.0 m	16 m	9 m	1800 kW/m2	522.7 °C	597.0 °C
63	0	1	13.0 m	16 m	9 m	2400 kW/m2	637.7 °C	643.8 °C
64	0	1	13.0 m	16 m	9 m	1800 kW/m2	457.4 °C	507.2 °C



Model	Observed	Predicted	Residual	Studentized Res.
45	854.0 °C	733.6 °C	120.4 °C	2.36
53	463.2 °C	639.7 °C	-176.5 °C	-3.68
54	398.2 °C	503.1 °C	-104.9 °C	-2.03
61	537.0 °C	733.6 °C	-196.6 °C	-4.22

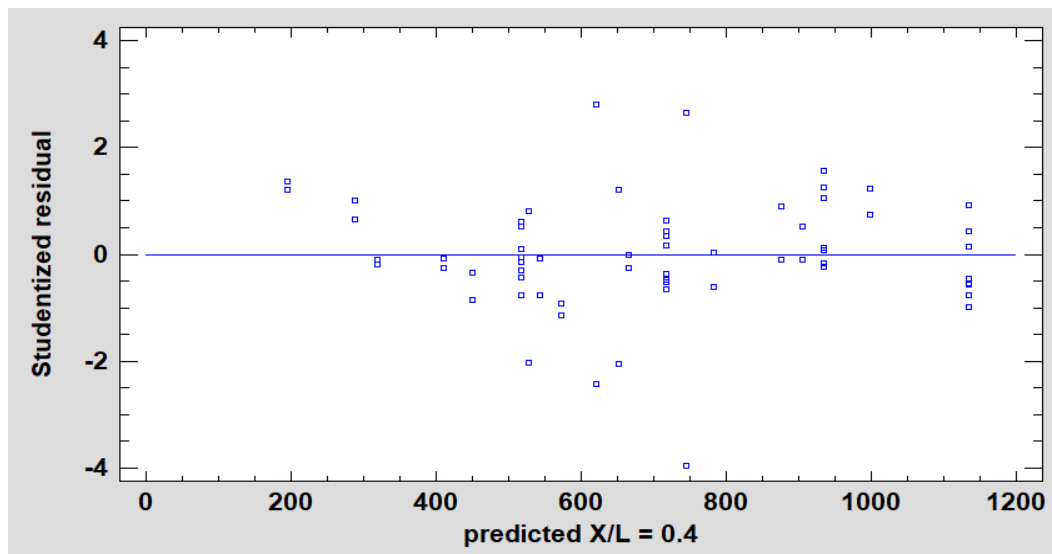
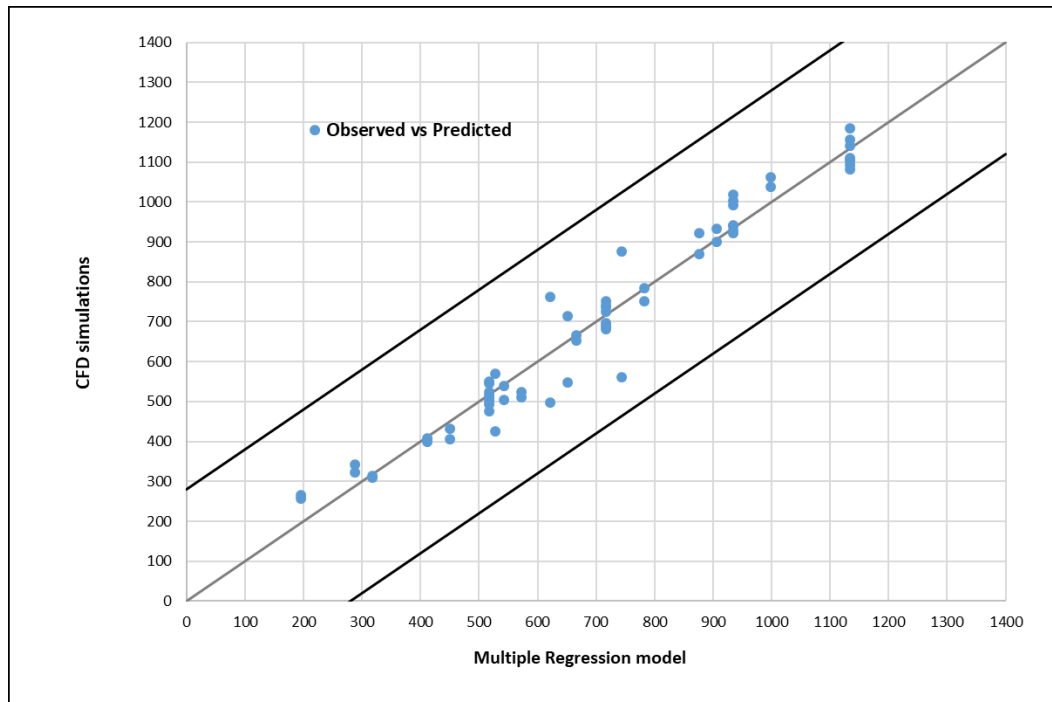


X/L = 0.4 - WEB

Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
1	1	0	23.4 m	24 m	5 m	2400 kW/m2	539.2 °C	543.0 °C
2	1	0	23.4 m	24 m	5 m	1800 kW/m2	432.4 °C	450.1 °C
3	0	0	23.4 m	24 m	5 m	2400 kW/m2	1081.7 °C	1134.3 °C
4	0	0	23.4 m	24 m	5 m	1800 kW/m2	925.6 °C	934.8 °C
5	1	0	23.4 m	24 m	9 m	2400 kW/m2	341.3 °C	288.5 °C
6	1	0	23.4 m	24 m	9 m	1800 kW/m2	265.2 °C	195.5 °C
7	0	0	23.4 m	24 m	9 m	2400 kW/m2	688.2 °C	716.9 °C
8	0	0	23.4 m	24 m	9 m	1800 kW/m2	500.9 °C	517.4 °C
9	1	0	23.4 m	16 m	5 m	2400 kW/m2	665.5 °C	666.0 °C
10	1	0	23.4 m	16 m	5 m	1800 kW/m2	524.1 °C	573.0 °C
11	0	0	23.4 m	16 m	5 m	2400 kW/m2	1141.6 °C	1134.3 °C
12	0	0	23.4 m	16 m	5 m	1800 kW/m2	992.3 °C	934.8 °C
13	1	0	23.4 m	16 m	9 m	2400 kW/m2	407.6 °C	411.4 °C
14	1	0	23.4 m	16 m	9 m	1800 kW/m2	313.5 °C	318.4 °C
15	0	0	23.4 m	16 m	9 m	2400 kW/m2	735.4 °C	716.9 °C
16	0	0	23.4 m	16 m	9 m	1800 kW/m2	550.4 °C	517.4 °C
17	1	0	13.0 m	24 m	5 m	2400 kW/m2	503.5 °C	543.0 °C
18	1	0	13.0 m	24 m	5 m	1800 kW/m2	405.9 °C	450.1 °C
19	0	0	13.0 m	24 m	5 m	2400 kW/m2	1104.9 °C	1134.3 °C
20	0	0	13.0 m	24 m	5 m	1800 kW/m2	939.6 °C	934.8 °C
21	1	0	13.0 m	24 m	9 m	2400 kW/m2	323.2 °C	288.5 °C
22	1	0	13.0 m	24 m	9 m	1800 kW/m2	257.3 °C	195.5 °C
23	0	0	13.0 m	24 m	9 m	2400 kW/m2	696.5 °C	716.9 °C
24	0	0	13.0 m	24 m	9 m	1800 kW/m2	509.0 °C	517.4 °C
25	1	0	13.0 m	16 m	5 m	2400 kW/m2	653.2 °C	666.0 °C
26	1	0	13.0 m	16 m	5 m	1800 kW/m2	511.3 °C	573.0 °C
27	0	0	13.0 m	16 m	5 m	2400 kW/m2	1157.2 °C	1134.3 °C
28	0	0	13.0 m	16 m	5 m	1800 kW/m2	1002.6 °C	934.8 °C
29	1	0	13.0 m	16 m	9 m	2400 kW/m2	398.6 °C	411.4 °C
30	1	0	13.0 m	16 m	9 m	1800 kW/m2	308.7 °C	318.4 °C
31	0	0	13.0 m	16 m	9 m	2400 kW/m2	751.2 °C	716.9 °C
32	0	0	13.0 m	16 m	9 m	1800 kW/m2	546.2 °C	517.4 °C
33	1	1	23.4 m	24 m	5 m	2400 kW/m2	870.1 °C	875.6 °C
34	1	1	23.4 m	24 m	5 m	1800 kW/m2	750.3 °C	782.6 °C
35	0	1	23.4 m	24 m	5 m	2400 kW/m2	1104.2 °C	1134.3 °C
36	0	1	23.4 m	24 m	5 m	1800 kW/m2	926.2 °C	934.8 °C
37	1	1	23.4 m	24 m	9 m	2400 kW/m2	761.8 °C	621.0 °C



Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
38	1	1	23.4 m	24 m	9 m	1800 kW/m ²	569.8 °C	528.0 °C
39	0	1	23.4 m	24 m	9 m	2400 kW/m ²	690.4 °C	716.9 °C
40	0	1	23.4 m	24 m	9 m	1800 kW/m ²	476.2 °C	517.4 °C
41	1	1	23.4 m	16 m	5 m	2400 kW/m ²	1037.0 °C	998.5 °C
42	1	1	23.4 m	16 m	5 m	1800 kW/m ²	899.7 °C	905.6 °C
43	0	1	23.4 m	16 m	5 m	2400 kW/m ²	1109.5 °C	1134.3 °C
44	0	1	23.4 m	16 m	5 m	1800 kW/m ²	941.3 °C	934.8 °C
45	1	1	23.4 m	16 m	9 m	2400 kW/m ²	875.3 °C	743.9 °C
46	1	1	23.4 m	16 m	9 m	1800 kW/m ²	713.7 °C	651.0 °C
47	0	1	23.4 m	16 m	9 m	2400 kW/m ²	725.8 °C	716.9 °C
48	0	1	23.4 m	16 m	9 m	1800 kW/m ²	514.2 °C	517.4 °C
49	1	1	13.0 m	24 m	5 m	2400 kW/m ²	922.9 °C	875.6 °C
50	1	1	13.0 m	24 m	5 m	1800 kW/m ²	785.0 °C	782.6 °C
51	0	1	13.0 m	24 m	5 m	2400 kW/m ²	1093.2 °C	1134.3 °C
52	0	1	13.0 m	24 m	5 m	1800 kW/m ²	922.3 °C	934.8 °C
53	1	1	13.0 m	24 m	9 m	2400 kW/m ²	496.8 °C	621.0 °C
54	1	1	13.0 m	24 m	9 m	1800 kW/m ²	426.1 °C	528.0 °C
55	0	1	13.0 m	24 m	9 m	2400 kW/m ²	681.2 °C	716.9 °C
56	0	1	13.0 m	24 m	9 m	1800 kW/m ²	493.7 °C	517.4 °C
57	1	1	13.0 m	16 m	5 m	2400 kW/m ²	1062.3 °C	998.5 °C
58	1	1	13.0 m	16 m	5 m	1800 kW/m ²	933.7 °C	905.6 °C
59	0	1	13.0 m	16 m	5 m	2400 kW/m ²	1184.3 °C	1134.3 °C
60	0	1	13.0 m	16 m	5 m	1800 kW/m ²	1018.6 °C	934.8 °C
61	1	1	13.0 m	16 m	9 m	2400 kW/m ²	560.9 °C	743.9 °C
62	1	1	13.0 m	16 m	9 m	1800 kW/m ²	547.1 °C	651.0 °C
63	0	1	13.0 m	16 m	9 m	2400 kW/m ²	740.3 °C	716.9 °C
64	0	1	13.0 m	16 m	9 m	1800 kW/m ²	522.9 °C	517.4 °C



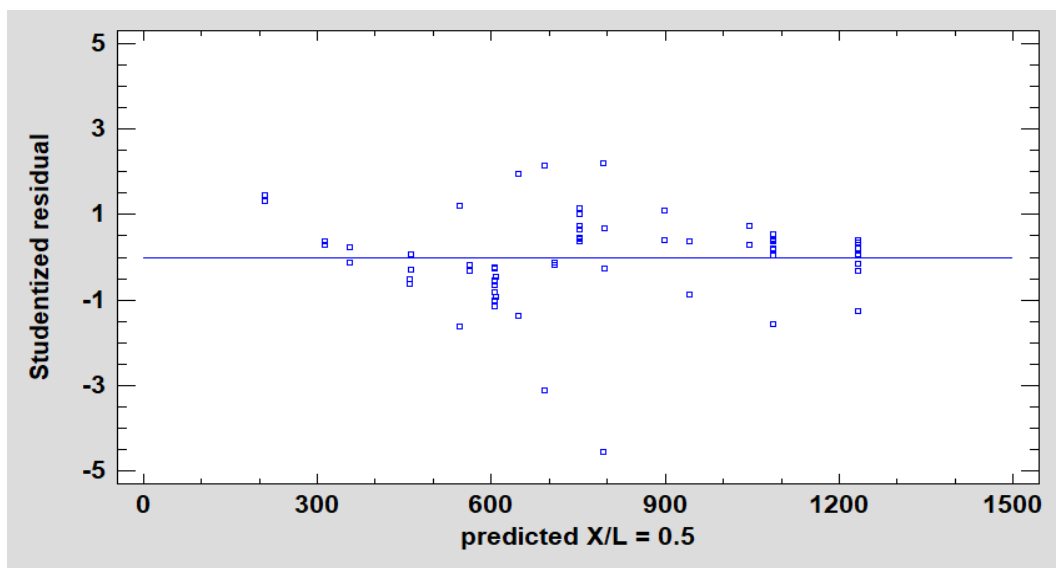
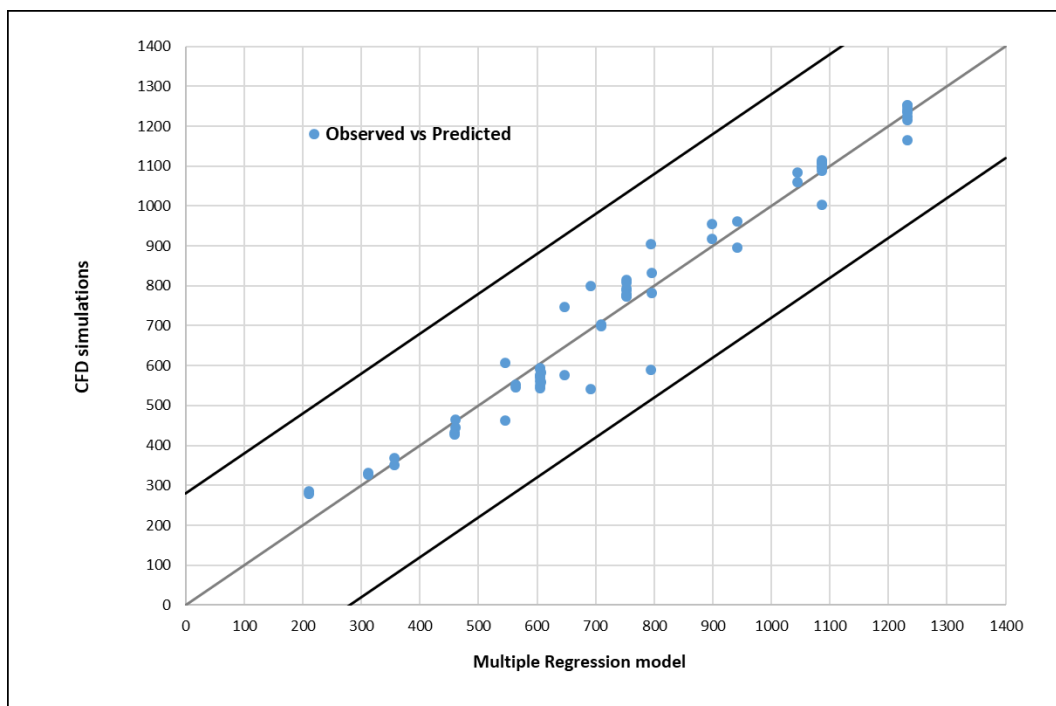
Model	Observed	Predicted	Residual	Studentized Res.
37	761.8 °C	621.0 °C	140.8 °C	2.8
45	875.3 °C	743.9 °C	131.4 °C	2.66
53	496.8 °C	621.0 °C	-124.2 °C	-2.43
54	426.1 °C	528.0 °C	-102.0 °C	-2.02
61	560.9 °C	743.9 °C	-183.1 °C	-3.95
62	547.1 °C	651.0 °C	-103.9 °C	-2.05

X/L = 0.5 - WEB

Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
1	1	0	23.4 m	24 m	5 m	2400 kW/m ²	582.9 °C	607.3 °C
2	1	0	23.4 m	24 m	5 m	1800 kW/m ²	464.7 °C	460.6 °C
3	0	0	23.4 m	24 m	5 m	2400 kW/m ²	1214.6 °C	1232.5 °C
4	0	0	23.4 m	24 m	5 m	1800 kW/m ²	1088.0 °C	1085.8 °C
5	1	0	23.4 m	24 m	9 m	2400 kW/m ²	369.3 °C	356.5 °C
6	1	0	23.4 m	24 m	9 m	1800 kW/m ²	284.9 °C	209.8 °C
7	0	0	23.4 m	24 m	9 m	2400 kW/m ²	775.1 °C	752.4 °C
8	0	0	23.4 m	24 m	9 m	1800 kW/m ²	570.1 °C	605.7 °C
9	1	0	23.4 m	16 m	5 m	2400 kW/m ²	703.5 °C	709.5 °C
10	1	0	23.4 m	16 m	5 m	1800 kW/m ²	552.9 °C	562.8 °C
11	0	0	23.4 m	16 m	5 m	2400 kW/m ²	1224.8 °C	1232.5 °C
12	0	0	23.4 m	16 m	5 m	1800 kW/m ²	1096.9 °C	1085.8 °C
13	1	0	23.4 m	16 m	9 m	2400 kW/m ²	432.5 °C	458.7 °C
14	1	0	23.4 m	16 m	9 m	1800 kW/m ²	331.2 °C	312.0 °C
15	0	0	23.4 m	16 m	9 m	2400 kW/m ²	788.0 °C	752.4 °C
16	0	0	23.4 m	16 m	9 m	1800 kW/m ²	591.7 °C	605.7 °C
17	1	0	13.0 m	24 m	5 m	2400 kW/m ²	559.2 °C	607.3 °C
18	1	0	13.0 m	24 m	5 m	1800 kW/m ²	444.7 °C	460.6 °C
19	0	0	13.0 m	24 m	5 m	2400 kW/m ²	1234.4 °C	1232.5 °C
20	0	0	13.0 m	24 m	5 m	1800 kW/m ²	1115.1 °C	1085.8 °C
21	1	0	13.0 m	24 m	9 m	2400 kW/m ²	350.5 °C	356.5 °C
22	1	0	13.0 m	24 m	9 m	1800 kW/m ²	278.3 °C	209.8 °C
23	0	0	13.0 m	24 m	9 m	2400 kW/m ²	792.4 °C	752.4 °C
24	0	0	13.0 m	24 m	9 m	1800 kW/m ²	576.7 °C	605.7 °C
25	1	0	13.0 m	16 m	5 m	2400 kW/m ²	699.9 °C	709.5 °C
26	1	0	13.0 m	16 m	5 m	1800 kW/m ²	545.6 °C	562.8 °C
27	0	0	13.0 m	16 m	5 m	2400 kW/m ²	1236.8 °C	1232.5 °C
28	0	0	13.0 m	16 m	5 m	1800 kW/m ²	1109.6 °C	1085.8 °C
29	1	0	13.0 m	16 m	9 m	2400 kW/m ²	426.6 °C	458.7 °C
30	1	0	13.0 m	16 m	9 m	1800 kW/m ²	327.8 °C	312.0 °C
31	0	0	13.0 m	16 m	9 m	2400 kW/m ²	814.7 °C	752.4 °C
32	0	0	13.0 m	16 m	9 m	1800 kW/m ²	592.8 °C	605.7 °C
33	1	1	23.4 m	24 m	5 m	2400 kW/m ²	896.9 °C	942.5 °C
34	1	1	23.4 m	24 m	5 m	1800 kW/m ²	781.5 °C	795.7 °C
35	0	1	23.4 m	24 m	5 m	2400 kW/m ²	1243.3 °C	1232.5 °C
36	0	1	23.4 m	24 m	5 m	1800 kW/m ²	1096.1 °C	1085.8 °C
37	1	1	23.4 m	24 m	9 m	2400 kW/m ²	800.3 °C	691.6 °C



Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
38	1	1	23.4 m	24 m	9 m	1800 kW/m2	607.9 °C	544.9 °C
39	0	1	23.4 m	24 m	9 m	2400 kW/m2	777.5 °C	752.4 °C
40	0	1	23.4 m	24 m	9 m	1800 kW/m2	550.4 °C	605.7 °C
41	1	1	23.4 m	16 m	5 m	2400 kW/m2	1059.6 °C	1044.6 °C
42	1	1	23.4 m	16 m	5 m	1800 kW/m2	918.6 °C	897.9 °C
43	0	1	23.4 m	16 m	5 m	2400 kW/m2	1164.3 °C	1232.5 °C
44	0	1	23.4 m	16 m	5 m	1800 kW/m2	1002.1 °C	1085.8 °C
45	1	1	23.4 m	16 m	9 m	2400 kW/m2	904.5 °C	793.8 °C
46	1	1	23.4 m	16 m	9 m	1800 kW/m2	746.2 °C	647.1 °C
47	0	1	23.4 m	16 m	9 m	2400 kW/m2	775.1 °C	752.4 °C
48	0	1	23.4 m	16 m	9 m	1800 kW/m2	544.2 °C	605.7 °C
49	1	1	13.0 m	24 m	5 m	2400 kW/m2	962.3 °C	942.5 °C
50	1	1	13.0 m	24 m	5 m	1800 kW/m2	831.7 °C	795.7 °C
51	0	1	13.0 m	24 m	5 m	2400 kW/m2	1251.5 °C	1232.5 °C
52	0	1	13.0 m	24 m	5 m	1800 kW/m2	1106.5 °C	1085.8 °C
53	1	1	13.0 m	24 m	9 m	2400 kW/m2	540.9 °C	691.6 °C
54	1	1	13.0 m	24 m	9 m	1800 kW/m2	461.9 °C	544.9 °C
55	0	1	13.0 m	24 m	9 m	2400 kW/m2	773.0 °C	752.4 °C
56	0	1	13.0 m	24 m	9 m	1800 kW/m2	561.2 °C	605.7 °C
57	1	1	13.0 m	16 m	5 m	2400 kW/m2	1083.0 °C	1044.6 °C
58	1	1	13.0 m	16 m	5 m	1800 kW/m2	954.9 °C	897.9 °C
59	0	1	13.0 m	16 m	5 m	2400 kW/m2	1253.6 °C	1232.5 °C
60	0	1	13.0 m	16 m	5 m	1800 kW/m2	1108.3 °C	1085.8 °C
61	1	1	13.0 m	16 m	9 m	2400 kW/m2	589.7 °C	793.8 °C
62	1	1	13.0 m	16 m	9 m	1800 kW/m2	576.6 °C	647.1 °C
63	0	1	13.0 m	16 m	9 m	2400 kW/m2	807.3 °C	752.4 °C
64	0	1	13.0 m	16 m	9 m	1800 kW/m2	574.2 °C	605.7 °C



Model	Observed	Predicted	Residual	Studentized Res.
37	800.3 °C	691.6 °C	108.7 °C	2.15
45	904.5 °C	793.8 °C	110.7 °C	2.2
53	540.9 °C	691.6 °C	-150.7 °C	-3.11
61	589.7 °C	793.8 °C	-204.2 °C	-4.55

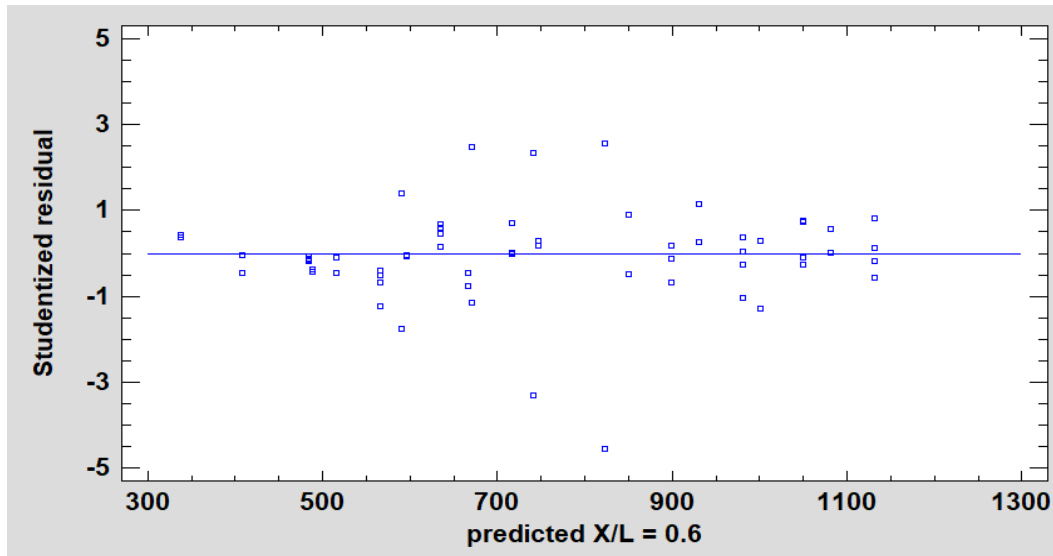
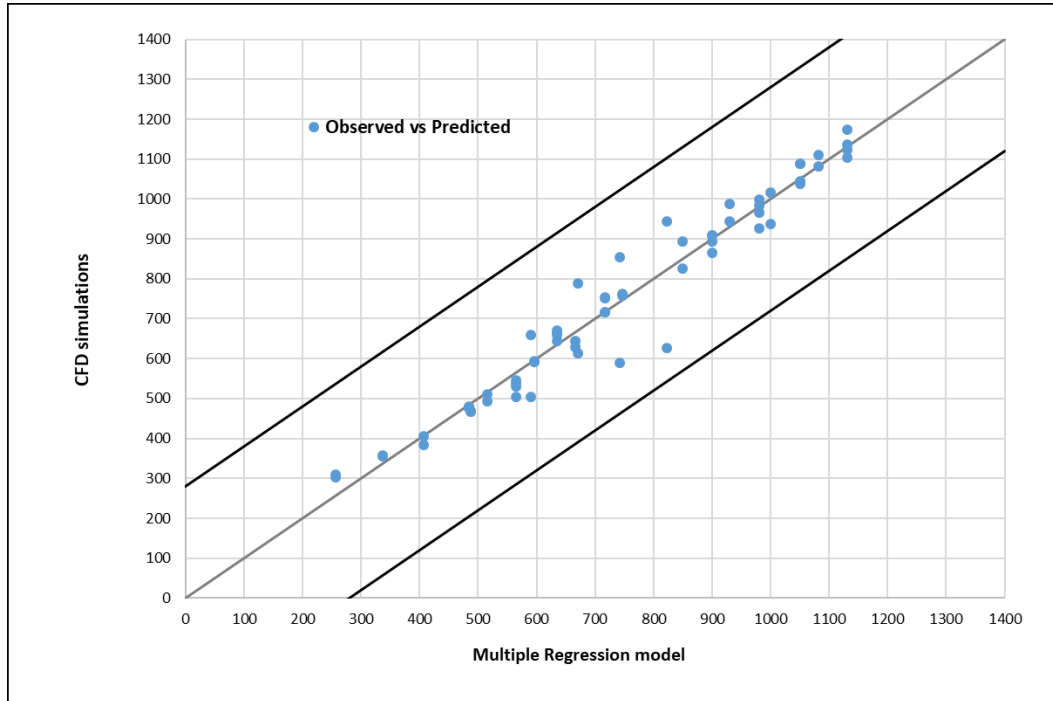


X/L = 0.6 - WEB

Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
1	1	0	23.4 m	24 m	5 m	2400 kW/m2	643.6 °C	666.5 °C
2	1	0	23.4 m	24 m	5 m	1800 kW/m2	510.3 °C	515.5 °C
3	0	0	23.4 m	24 m	5 m	2400 kW/m2	1037.2 °C	1050.4 °C
4	0	0	23.4 m	24 m	5 m	1800 kW/m2	864.9 °C	899.5 °C
5	1	0	23.4 m	24 m	9 m	2400 kW/m2	405.0 °C	407.4 °C
6	1	0	23.4 m	24 m	9 m	1800 kW/m2	308.3 °C	256.5 °C
7	0	0	23.4 m	24 m	9 m	2400 kW/m2	643.6 °C	635.6 °C
8	0	0	23.4 m	24 m	9 m	1800 kW/m2	477.0 °C	484.6 °C
9	1	0	23.4 m	16 m	5 m	2400 kW/m2	756.9 °C	747.2 °C
10	1	0	23.4 m	16 m	5 m	1800 kW/m2	594.2 °C	596.2 °C
11	0	0	23.4 m	16 m	5 m	2400 kW/m2	1122.5 °C	1131.1 °C
12	0	0	23.4 m	16 m	5 m	1800 kW/m2	966.7 °C	980.2 °C
13	1	0	23.4 m	16 m	9 m	2400 kW/m2	469.5 °C	488.2 °C
14	1	0	23.4 m	16 m	9 m	1800 kW/m2	358.3 °C	337.2 °C
15	0	0	23.4 m	16 m	9 m	2400 kW/m2	716.1 °C	716.3 °C
16	0	0	23.4 m	16 m	9 m	1800 kW/m2	530.6 °C	565.3 °C
17	1	0	13.0 m	24 m	5 m	2400 kW/m2	627.8 °C	666.5 °C
18	1	0	13.0 m	24 m	5 m	1800 kW/m2	493.3 °C	515.5 °C
19	0	0	13.0 m	24 m	5 m	2400 kW/m2	1044.9 °C	1050.4 °C
20	0	0	13.0 m	24 m	5 m	1800 kW/m2	892.7 °C	899.5 °C
21	1	0	13.0 m	24 m	9 m	2400 kW/m2	384.0 °C	407.4 °C
22	1	0	13.0 m	24 m	9 m	1800 kW/m2	301.8 °C	256.5 °C
23	0	0	13.0 m	24 m	9 m	2400 kW/m2	665.8 °C	635.6 °C
24	0	0	13.0 m	24 m	9 m	1800 kW/m2	480.5 °C	484.6 °C
25	1	0	13.0 m	16 m	5 m	2400 kW/m2	762.0 °C	747.2 °C
26	1	0	13.0 m	16 m	5 m	1800 kW/m2	592.3 °C	596.2 °C
27	0	0	13.0 m	16 m	5 m	2400 kW/m2	1137.1 °C	1131.1 °C
28	0	0	13.0 m	16 m	5 m	1800 kW/m2	982.3 °C	980.2 °C
29	1	0	13.0 m	16 m	9 m	2400 kW/m2	466.1 °C	488.2 °C
30	1	0	13.0 m	16 m	9 m	1800 kW/m2	356.1 °C	337.2 °C
31	0	0	13.0 m	16 m	9 m	2400 kW/m2	752.4 °C	716.3 °C
32	0	0	13.0 m	16 m	9 m	1800 kW/m2	539.9 °C	565.3 °C
33	1	1	23.4 m	24 m	5 m	2400 kW/m2	937.0 °C	1000.6 °C
34	1	1	23.4 m	24 m	5 m	1800 kW/m2	825.7 °C	849.7 °C
35	0	1	23.4 m	24 m	5 m	2400 kW/m2	1087.9 °C	1050.4 °C
36	0	1	23.4 m	24 m	5 m	1800 kW/m2	908.9 °C	899.5 °C
37	1	1	23.4 m	24 m	9 m	2400 kW/m2	853.7 °C	741.6 °C



Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
38	1	1	23.4 m	24 m	9 m	1800 kW/m ²	659.4 °C	590.6 °C
39	0	1	23.4 m	24 m	9 m	2400 kW/m ²	659.2 °C	635.6 °C
40	0	1	23.4 m	24 m	9 m	1800 kW/m ²	475.9 °C	484.6 °C
41	1	1	23.4 m	16 m	5 m	2400 kW/m ²	1081.7 °C	1081.3 °C
42	1	1	23.4 m	16 m	5 m	1800 kW/m ²	943.6 °C	930.4 °C
43	0	1	23.4 m	16 m	5 m	2400 kW/m ²	1102.7 °C	1131.1 °C
44	0	1	23.4 m	16 m	5 m	1800 kW/m ²	927.4 °C	980.2 °C
45	1	1	23.4 m	16 m	9 m	2400 kW/m ²	944.4 °C	822.3 °C
46	1	1	23.4 m	16 m	9 m	1800 kW/m ²	789.0 °C	671.4 °C
47	0	1	23.4 m	16 m	9 m	2400 kW/m ²	716.7 °C	716.3 °C
48	0	1	23.4 m	16 m	9 m	1800 kW/m ²	503.6 °C	565.3 °C
49	1	1	13.0 m	24 m	5 m	2400 kW/m ²	1015.3 °C	1000.6 °C
50	1	1	13.0 m	24 m	5 m	1800 kW/m ²	893.9 °C	849.7 °C
51	0	1	13.0 m	24 m	5 m	2400 kW/m ²	1088.9 °C	1050.4 °C
52	0	1	13.0 m	24 m	5 m	1800 kW/m ²	908.7 °C	899.5 °C
53	1	1	13.0 m	24 m	9 m	2400 kW/m ²	589.3 °C	741.6 °C
54	1	1	13.0 m	24 m	9 m	1800 kW/m ²	504.2 °C	590.6 °C
55	0	1	13.0 m	24 m	9 m	2400 kW/m ²	670.0 °C	635.6 °C
56	0	1	13.0 m	24 m	9 m	1800 kW/m ²	478.3 °C	484.6 °C
57	1	1	13.0 m	16 m	5 m	2400 kW/m ²	1109.8 °C	1081.3 °C
58	1	1	13.0 m	16 m	5 m	1800 kW/m ²	987.5 °C	930.4 °C
59	0	1	13.0 m	16 m	5 m	2400 kW/m ²	1172.7 °C	1131.1 °C
60	0	1	13.0 m	16 m	5 m	1800 kW/m ²	999.2 °C	980.2 °C
61	1	1	13.0 m	16 m	9 m	2400 kW/m ²	627.2 °C	822.3 °C
62	1	1	13.0 m	16 m	9 m	1800 kW/m ²	614.1 °C	671.4 °C
63	0	1	13.0 m	16 m	9 m	2400 kW/m ²	752.6 °C	716.3 °C
64	0	1	13.0 m	16 m	9 m	1800 kW/m ²	545.3 °C	565.3 °C



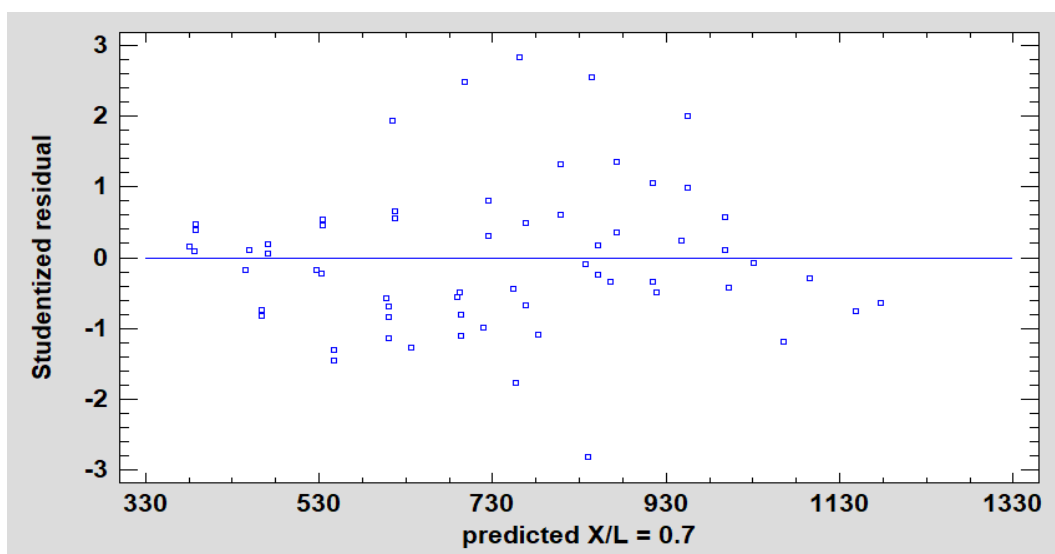
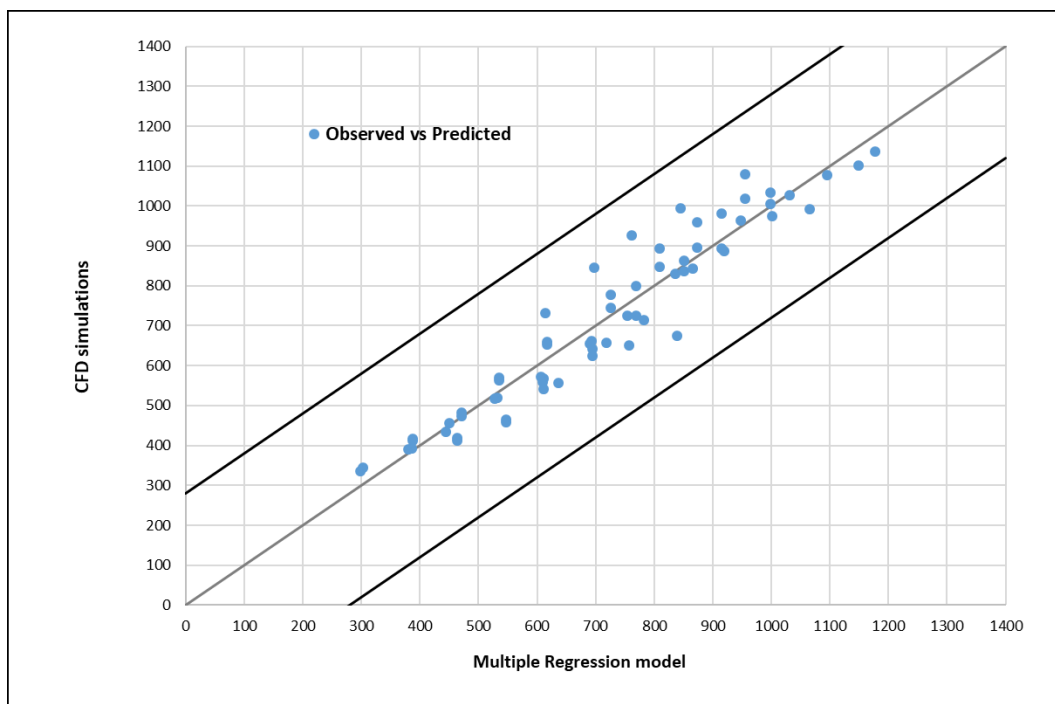
Model	Observed	Predicted	Residual	Studentized Res.
37	853.7 °C	741.6 °C	112.1 °C	2.34
45	944.4 °C	822.3 °C	122.1 °C	2.57
46	789.0 °C	671.4 °C	117.6 °C	2.47
53	589.4 °C	741.6 °C	-152.2 °C	-3.32
61	627.2 °C	822.3 °C	-195.1 °C	-4.55

X/L = 0.7 - WEB

Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
1	1	0	23.4 m	24 m	5 m	2400 kW/m ²	726.0 °C	753.8 °C
2	1	0	23.4 m	24 m	5 m	1800 kW/m ²	571.2 °C	607.1 °C
3	0	0	23.4 m	24 m	5 m	2400 kW/m ²	893.3 °C	915.1 °C
4	0	0	23.4 m	24 m	5 m	1800 kW/m ²	725.1 °C	768.3 °C
5	1	0	23.4 m	24 m	9 m	2400 kW/m ²	456.9 °C	449.8 °C
6	1	0	23.4 m	24 m	9 m	1800 kW/m ²	344.8 °C	303.0 °C
7	0	0	23.4 m	24 m	9 m	2400 kW/m ²	540.5 °C	611.0 °C
8	0	0	23.4 m	24 m	9 m	1800 kW/m ²	412.8 °C	464.2 °C
9	1	0	23.4 m	16 m	5 m	2400 kW/m ²	830.7 °C	836.7 °C
10	1	0	23.4 m	16 m	5 m	1800 kW/m ²	655.7 °C	690.0 °C
11	0	0	23.4 m	16 m	5 m	2400 kW/m ²	1004.8 °C	998.0 °C
12	0	0	23.4 m	16 m	5 m	1800 kW/m ²	835.7 °C	851.2 °C
13	1	0	23.4 m	16 m	9 m	2400 kW/m ²	518.6 °C	532.7 °C
14	1	0	23.4 m	16 m	9 m	1800 kW/m ²	391.8 °C	385.9 °C
15	0	0	23.4 m	16 m	9 m	2400 kW/m ²	624.7 °C	693.9 °C
16	0	0	23.4 m	16 m	9 m	1800 kW/m ²	465.8 °C	547.2 °C
17	1	0	13.0 m	24 m	5 m	2400 kW/m ²	714.0 °C	783.0 °C
18	1	0	13.0 m	24 m	5 m	1800 kW/m ²	556.6 °C	636.2 °C
19	0	0	13.0 m	24 m	5 m	2400 kW/m ²	895.9 °C	872.6 °C
20	0	0	13.0 m	24 m	5 m	1800 kW/m ²	745.7 °C	725.8 °C
21	1	0	13.0 m	24 m	9 m	2400 kW/m ²	433.4 °C	444.9 °C
22	1	0	13.0 m	24 m	9 m	1800 kW/m ²	336.5 °C	298.1 °C
23	0	0	13.0 m	24 m	9 m	2400 kW/m ²	563.6 °C	534.5 °C
24	0	0	13.0 m	24 m	9 m	1800 kW/m ²	412.8 °C	387.7 °C
25	1	0	13.0 m	16 m	5 m	2400 kW/m ²	844.1 °C	865.9 °C
26	1	0	13.0 m	16 m	5 m	1800 kW/m ²	657.0 °C	719.1 °C
27	0	0	13.0 m	16 m	5 m	2400 kW/m ²	1018.5 °C	955.5 °C
28	0	0	13.0 m	16 m	5 m	1800 kW/m ²	848.0 °C	808.7 °C
29	1	0	13.0 m	16 m	9 m	2400 kW/m ²	516.5 °C	527.8 °C
30	1	0	13.0 m	16 m	9 m	1800 kW/m ²	391.2 °C	381.0 °C
31	0	0	13.0 m	16 m	9 m	2400 kW/m ²	652.4 °C	617.4 °C
32	0	0	13.0 m	16 m	9 m	1800 kW/m ²	474.1 °C	470.6 °C
33	1	1	23.4 m	24 m	5 m	2400 kW/m ²	991.7 °C	1065.7 °C
34	1	1	23.4 m	24 m	5 m	1800 kW/m ²	887.7 °C	918.9 °C
35	0	1	23.4 m	24 m	5 m	2400 kW/m ²	982.0 °C	915.1 °C
36	0	1	23.4 m	24 m	5 m	1800 kW/m ²	799.9 °C	768.3 °C
37	1	1	23.4 m	24 m	9 m	2400 kW/m ²	926.8 °C	761.6 °C



Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
38	1	1	23.4 m	24 m	9 m	1800 kW/m ²	731.9 °C	614.8 °C
39	0	1	23.4 m	24 m	9 m	2400 kW/m ²	567.2 °C	611.0 °C
40	0	1	23.4 m	24 m	9 m	1800 kW/m ²	418.0 °C	464.2 °C
41	1	1	23.4 m	16 m	5 m	2400 kW/m ²	1101.4 °C	1148.6 °C
42	1	1	23.4 m	16 m	5 m	1800 kW/m ²	975.4 °C	1001.8 °C
43	0	1	23.4 m	16 m	5 m	2400 kW/m ²	1034.7 °C	998.0 °C
44	0	1	23.4 m	16 m	5 m	1800 kW/m ²	862.7 °C	851.2 °C
45	1	1	23.4 m	16 m	9 m	2400 kW/m ²	994.6 °C	844.5 °C
46	1	1	23.4 m	16 m	9 m	1800 kW/m ²	844.9 °C	697.7 °C
47	0	1	23.4 m	16 m	9 m	2400 kW/m ²	642.9 °C	693.9 °C
48	0	1	23.4 m	16 m	9 m	1800 kW/m ²	457.3 °C	547.2 °C
49	1	1	13.0 m	24 m	5 m	2400 kW/m ²	1076.8 °C	1094.8 °C
50	1	1	13.0 m	24 m	5 m	1800 kW/m ²	963.3 °C	948.1 °C
51	0	1	13.0 m	24 m	5 m	2400 kW/m ²	958.4 °C	872.6 °C
52	0	1	13.0 m	24 m	5 m	1800 kW/m ²	776.9 °C	725.8 °C
53	1	1	13.0 m	24 m	9 m	2400 kW/m ²	649.8 °C	756.7 °C
54	1	1	13.0 m	24 m	9 m	1800 kW/m ²	558.3 °C	609.9 °C
55	0	1	13.0 m	24 m	9 m	2400 kW/m ²	569.2 °C	534.5 °C
56	0	1	13.0 m	24 m	9 m	1800 kW/m ²	417.7 °C	387.7 °C
57	1	1	13.0 m	16 m	5 m	2400 kW/m ²	1137.3 °C	1177.7 °C
58	1	1	13.0 m	16 m	5 m	1800 kW/m ²	1026.6 °C	1031.0 °C
59	0	1	13.0 m	16 m	5 m	2400 kW/m ²	1079.2 °C	955.5 °C
60	0	1	13.0 m	16 m	5 m	1800 kW/m ²	892.7 °C	808.7 °C
61	1	1	13.0 m	16 m	9 m	2400 kW/m ²	675.3 °C	839.6 °C
62	1	1	13.0 m	16 m	9 m	1800 kW/m ²	662.5 °C	692.9 °C
63	0	1	13.0 m	16 m	9 m	2400 kW/m ²	658.6 °C	617.4 °C
64	0	1	13.0 m	16 m	9 m	1800 kW/m ²	482.5 °C	470.6 °C



Model	Observed	Predicted	Residual	Studentized Res.
37	926.8 °C	761.6 °C	165.2 °C	2.84
45	994.6 °C	844.5 °C	150.1 °C	2.55
46	844.9 °C	697.7 °C	147.1 °C	2.49
61	675.3 °C	839.6 °C	-164.4 °C	-2.83

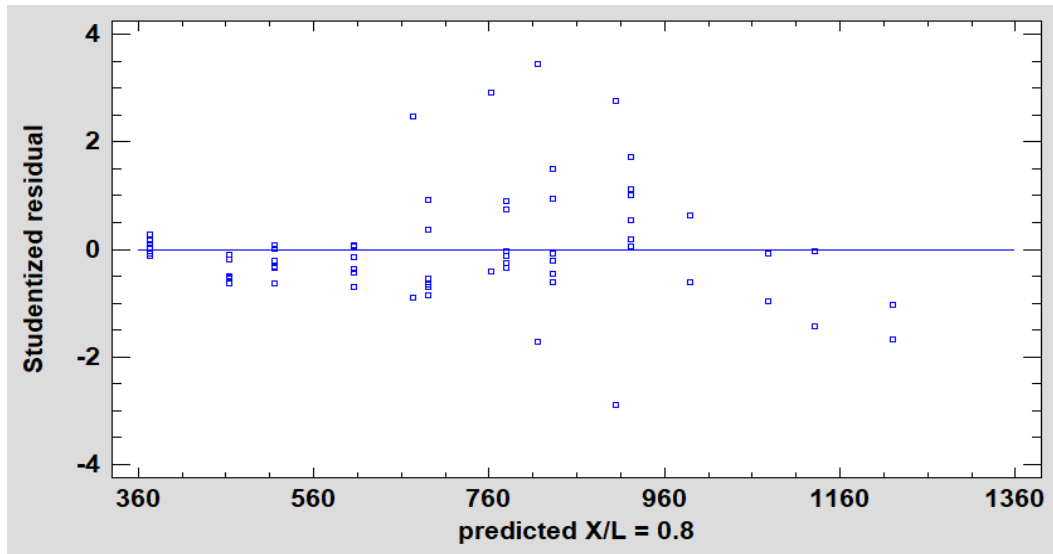
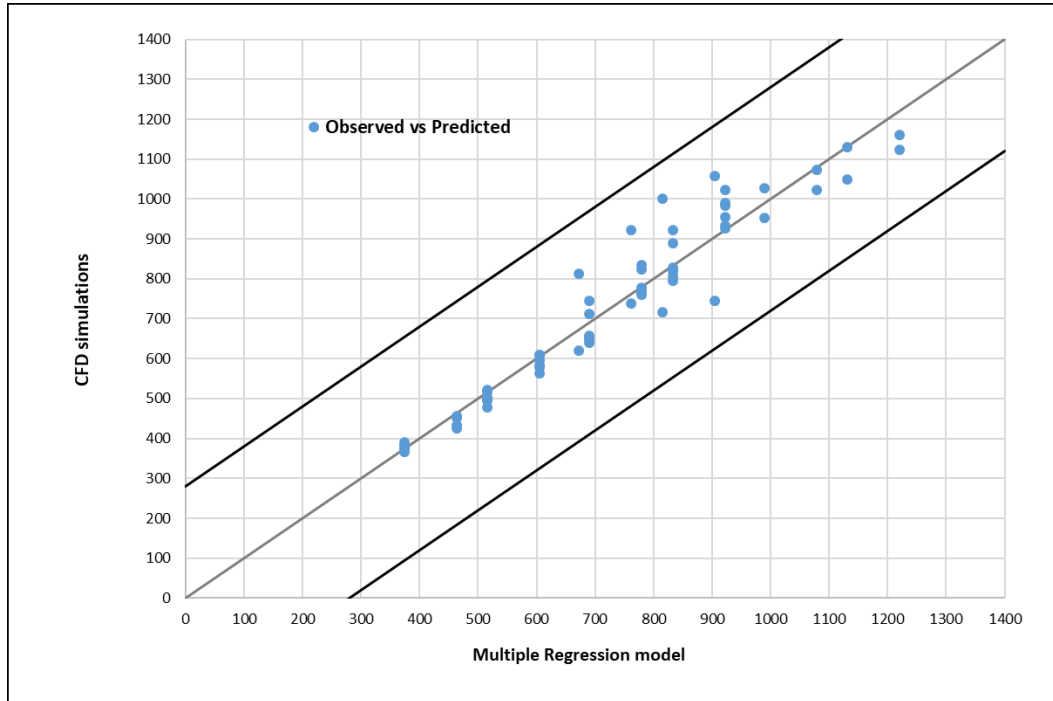


X/L = 0.8 - WEB

Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
1	1	0	23.4 m	24 m	5 m	2400 kW/m2	827.7 °C	832.9 °C
2	1	0	23.4 m	24 m	5 m	1800 kW/m2	651.4 °C	690.8 °C
3	0	0	23.4 m	24 m	5 m	2400 kW/m2	805.3 °C	832.9 °C
4	0	0	23.4 m	24 m	5 m	1800 kW/m2	648.7 °C	690.8 °C
5	1	0	23.4 m	24 m	9 m	2400 kW/m2	521.3 °C	516.1 °C
6	1	0	23.4 m	24 m	9 m	1800 kW/m2	390.2 °C	374.0 °C
7	0	0	23.4 m	24 m	9 m	2400 kW/m2	477.3 °C	516.1 °C
8	0	0	23.4 m	24 m	9 m	1800 kW/m2	369.7 °C	374.0 °C
9	1	0	23.4 m	16 m	5 m	2400 kW/m2	954.5 °C	922.1 °C
10	1	0	23.4 m	16 m	5 m	1800 kW/m2	772.7 °C	780.0 °C
11	0	0	23.4 m	16 m	5 m	2400 kW/m2	925.8 °C	922.1 °C
12	0	0	23.4 m	16 m	5 m	1800 kW/m2	759.4 °C	780.0 °C
13	1	0	23.4 m	16 m	9 m	2400 kW/m2	609.6 °C	605.3 °C
14	1	0	23.4 m	16 m	9 m	1800 kW/m2	452.1 °C	463.2 °C
15	0	0	23.4 m	16 m	9 m	2400 kW/m2	563.3 °C	605.3 °C
16	0	0	23.4 m	16 m	9 m	1800 kW/m2	425.1 °C	463.2 °C
17	1	0	13.0 m	24 m	5 m	2400 kW/m2	819.7 °C	832.9 °C
18	1	0	13.0 m	24 m	5 m	1800 kW/m2	639.5 °C	690.8 °C
19	0	0	13.0 m	24 m	5 m	2400 kW/m2	795.7 °C	832.9 °C
20	0	0	13.0 m	24 m	5 m	1800 kW/m2	658.3 °C	690.8 °C
21	1	0	13.0 m	24 m	9 m	2400 kW/m2	496.3 °C	516.1 °C
22	1	0	13.0 m	24 m	9 m	1800 kW/m2	379.4 °C	374.0 °C
23	0	0	13.0 m	24 m	9 m	2400 kW/m2	495.9 °C	516.1 °C
24	0	0	13.0 m	24 m	9 m	1800 kW/m2	366.7 °C	374.0 °C
25	1	0	13.0 m	16 m	5 m	2400 kW/m2	982.8 °C	922.1 °C
26	1	0	13.0 m	16 m	5 m	1800 kW/m2	777.4 °C	780.0 °C
27	0	0	13.0 m	16 m	5 m	2400 kW/m2	933.8 °C	922.1 °C
28	0	0	13.0 m	16 m	5 m	1800 kW/m2	765.2 °C	780.0 °C
29	1	0	13.0 m	16 m	9 m	2400 kW/m2	609.1 °C	605.3 °C
30	1	0	13.0 m	16 m	9 m	1800 kW/m2	456.7 °C	463.2 °C
31	0	0	13.0 m	16 m	9 m	2400 kW/m2	583.1 °C	605.3 °C
32	0	0	13.0 m	16 m	9 m	1800 kW/m2	431.4 °C	463.2 °C
33	1	1	23.4 m	24 m	5 m	2400 kW/m2	1048.0 °C	1131.6 °C
34	1	1	23.4 m	24 m	5 m	1800 kW/m2	953.3 °C	989.5 °C
35	0	1	23.4 m	24 m	5 m	2400 kW/m2	922.3 °C	832.9 °C
36	0	1	23.4 m	24 m	5 m	1800 kW/m2	745.5 °C	690.8 °C
37	1	1	23.4 m	24 m	9 m	2400 kW/m2	1000.6 °C	814.8 °C



Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
38	1	1	23.4 m	24 m	9 m	1800 kW/m ²	811.9 °C	672.7 °C
39	0	1	23.4 m	24 m	9 m	2400 kW/m ²	516.6 °C	516.1 °C
40	0	1	23.4 m	24 m	9 m	1800 kW/m ²	384.7 °C	374.0 °C
41	1	1	23.4 m	16 m	5 m	2400 kW/m ²	1124.3 °C	1220.8 °C
42	1	1	23.4 m	16 m	5 m	1800 kW/m ²	1022.5 °C	1078.7 °C
43	0	1	23.4 m	16 m	5 m	2400 kW/m ²	989.2 °C	922.1 °C
44	0	1	23.4 m	16 m	5 m	1800 kW/m ²	824.5 °C	780.0 °C
45	1	1	23.4 m	16 m	9 m	2400 kW/m ²	1057.2 °C	904.0 °C
46	1	1	23.4 m	16 m	9 m	1800 kW/m ²	922.9 °C	761.9 °C
47	0	1	23.4 m	16 m	9 m	2400 kW/m ²	596.8 °C	605.3 °C
48	0	1	23.4 m	16 m	9 m	1800 kW/m ²	430.5 °C	463.2 °C
49	1	1	13.0 m	24 m	5 m	2400 kW/m ²	1129.5 °C	1131.6 °C
50	1	1	13.0 m	24 m	5 m	1800 kW/m ²	1026.4 °C	989.5 °C
51	0	1	13.0 m	24 m	5 m	2400 kW/m ²	889.5 °C	832.9 °C
52	0	1	13.0 m	24 m	5 m	1800 kW/m ²	713.0 °C	690.8 °C
53	1	1	13.0 m	24 m	9 m	2400 kW/m ²	715.7 °C	814.8 °C
54	1	1	13.0 m	24 m	9 m	1800 kW/m ²	620.4 °C	672.7 °C
55	0	1	13.0 m	24 m	9 m	2400 kW/m ²	503.0 °C	516.1 °C
56	0	1	13.0 m	24 m	9 m	1800 kW/m ²	376.6 °C	374.0 °C
57	1	1	13.0 m	16 m	5 m	2400 kW/m ²	1160.1 °C	1220.8 °C
58	1	1	13.0 m	16 m	5 m	1800 kW/m ²	1073.9 °C	1078.7 °C
59	0	1	13.0 m	16 m	5 m	2400 kW/m ²	1023.3 °C	922.1 °C
60	0	1	13.0 m	16 m	5 m	1800 kW/m ²	833.5 °C	780.0 °C
61	1	1	13.0 m	16 m	9 m	2400 kW/m ²	744.1 °C	904.0 °C
62	1	1	13.0 m	16 m	9 m	1800 kW/m ²	737.4 °C	761.9 °C
63	0	1	13.0 m	16 m	9 m	2400 kW/m ²	579.5 °C	605.3 °C
64	0	1	13.0 m	16 m	9 m	1800 kW/m ²	432.9 °C	463.2 °C



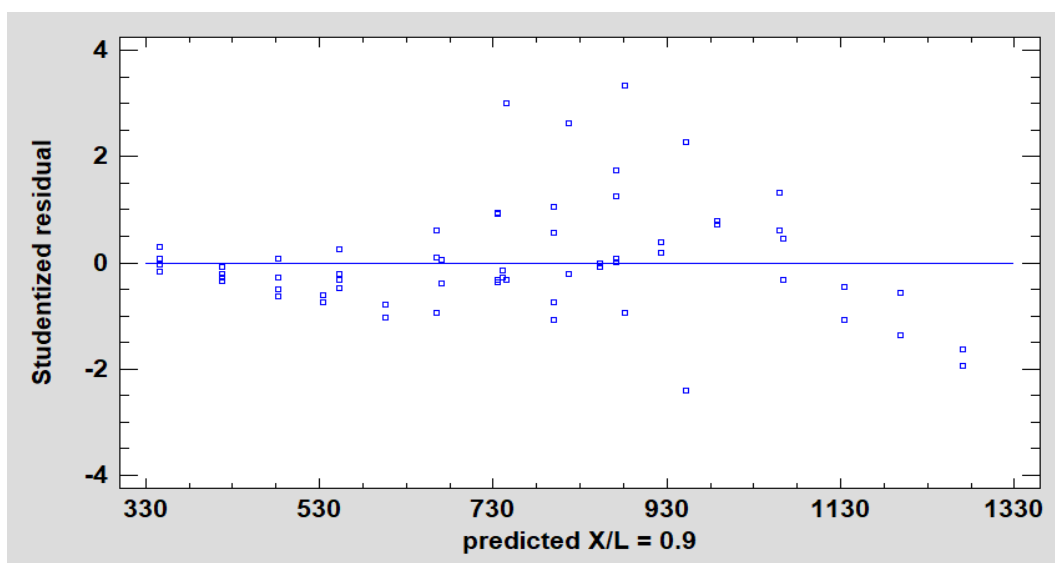
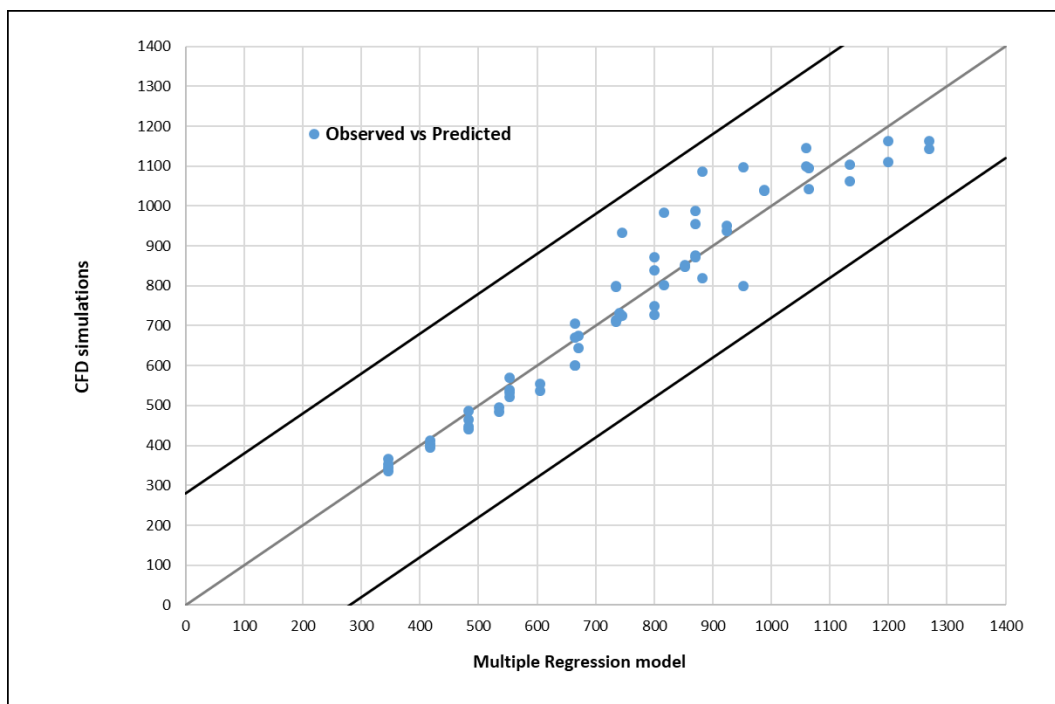
Model	Observed	Predicted	Residual	Studentized Res.
37	1000.6 °C	814.8 °C	185.8 °C	3.45
38	811.9 °C	672.7 °C	139.2 °C	2.47
45	1057.2 °C	904.0 °C	153.2 °C	2.76
46	922.9 °C	761.9 °C	161.0 °C	2.92
61	744.1 °C	904.0 °C	-159.9 °C	-2.89

X/L = 0.9 - WEB

Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
1	1	0	23.4 m	24 m	5 m	2400 kW/m ²	1037.1 °C	988.4 °C
2	1	0	23.4 m	24 m	5 m	1800 kW/m ²	852.3 °C	852.6 °C
3	0	0	23.4 m	24 m	5 m	2400 kW/m ²	749.8 °C	800.3 °C
4	0	0	23.4 m	24 m	5 m	1800 kW/m ²	601.3 °C	664.5 °C
5	1	0	23.4 m	24 m	9 m	2400 kW/m ²	674.7 °C	670.6 °C
6	1	0	23.4 m	24 m	9 m	1800 kW/m ²	494.7 °C	534.8 °C
7	0	0	23.4 m	24 m	9 m	2400 kW/m ²	439.7 °C	482.5 °C
8	0	0	23.4 m	24 m	9 m	1800 kW/m ²	343.9 °C	346.7 °C
9	1	0	23.4 m	16 m	5 m	2400 kW/m ²	1099.6 °C	1059.1 °C
10	1	0	23.4 m	16 m	5 m	1800 kW/m ²	936.5 °C	923.4 °C
11	0	0	23.4 m	16 m	5 m	2400 kW/m ²	871.8 °C	871.0 °C
12	0	0	23.4 m	16 m	5 m	1800 kW/m ²	710.0 °C	735.3 °C
13	1	0	23.4 m	16 m	9 m	2400 kW/m ²	722.5 °C	741.4 °C
14	1	0	23.4 m	16 m	9 m	1800 kW/m ²	537.2 °C	605.6 °C
15	0	0	23.4 m	16 m	9 m	2400 kW/m ²	521.0 °C	553.3 °C
16	0	0	23.4 m	16 m	9 m	1800 kW/m ²	394.8 °C	417.5 °C
17	1	0	13.0 m	24 m	5 m	2400 kW/m ²	1040.7 °C	988.4 °C
18	1	0	13.0 m	24 m	5 m	1800 kW/m ²	846.8 °C	852.6 °C
19	0	0	13.0 m	24 m	5 m	2400 kW/m ²	727.7 °C	800.3 °C
20	0	0	13.0 m	24 m	5 m	1800 kW/m ²	600.2 °C	664.5 °C
21	1	0	13.0 m	24 m	9 m	2400 kW/m ²	644.6 °C	670.6 °C
22	1	0	13.0 m	24 m	9 m	1800 kW/m ²	484.6 °C	534.8 °C
23	0	0	13.0 m	24 m	9 m	2400 kW/m ²	447.9 °C	482.5 °C
24	0	0	13.0 m	24 m	9 m	1800 kW/m ²	335.5 °C	346.7 °C
25	1	0	13.0 m	16 m	5 m	2400 kW/m ²	1146.3 °C	1059.1 °C
26	1	0	13.0 m	16 m	5 m	1800 kW/m ²	949.6 °C	923.4 °C
27	0	0	13.0 m	16 m	5 m	2400 kW/m ²	876.7 °C	871.0 °C
28	0	0	13.0 m	16 m	5 m	1800 kW/m ²	713.8 °C	735.3 °C
29	1	0	13.0 m	16 m	9 m	2400 kW/m ²	731.0 °C	741.4 °C
30	1	0	13.0 m	16 m	9 m	1800 kW/m ²	553.6 °C	605.6 °C
31	0	0	13.0 m	16 m	9 m	2400 kW/m ²	538.5 °C	553.3 °C
32	0	0	13.0 m	16 m	9 m	1800 kW/m ²	402.4 °C	417.5 °C
33	1	1	23.4 m	24 m	5 m	2400 kW/m ²	1109.3 °C	1199.5 °C
34	1	1	23.4 m	24 m	5 m	1800 kW/m ²	1042.2 °C	1063.7 °C
35	0	1	23.4 m	24 m	5 m	2400 kW/m ²	871.1 °C	800.3 °C
36	0	1	23.4 m	24 m	5 m	1800 kW/m ²	705.3 °C	664.5 °C
37	1	1	23.4 m	24 m	9 m	2400 kW/m ²	1086.4 °C	881.7 °C



Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
38	1	1	23.4 m	24 m	9 m	1800 kW/m2	933.6 °C	745.9 °C
39	0	1	23.4 m	24 m	9 m	2400 kW/m2	487.7 °C	482.5 °C
40	0	1	23.4 m	24 m	9 m	1800 kW/m2	366.9 °C	346.7 °C
41	1	1	23.4 m	16 m	5 m	2400 kW/m2	1143.9 °C	1270.2 °C
42	1	1	23.4 m	16 m	5 m	1800 kW/m2	1062.7 °C	1134.4 °C
43	0	1	23.4 m	16 m	5 m	2400 kW/m2	954.7 °C	871.0 °C
44	0	1	23.4 m	16 m	5 m	1800 kW/m2	797.4 °C	735.3 °C
45	1	1	23.4 m	16 m	9 m	2400 kW/m2	1098.2 °C	952.4 °C
46	1	1	23.4 m	16 m	9 m	1800 kW/m2	983.7 °C	816.7 °C
47	0	1	23.4 m	16 m	9 m	2400 kW/m2	570.5 °C	553.3 °C
48	0	1	23.4 m	16 m	9 m	1800 kW/m2	412.8 °C	417.5 °C
49	1	1	13.0 m	24 m	5 m	2400 kW/m2	1162.0 °C	1199.5 °C
50	1	1	13.0 m	24 m	5 m	1800 kW/m2	1094.6 °C	1063.7 °C
51	0	1	13.0 m	24 m	5 m	2400 kW/m2	839.1 °C	800.3 °C
52	0	1	13.0 m	24 m	5 m	1800 kW/m2	671.5 °C	664.5 °C
53	1	1	13.0 m	24 m	9 m	2400 kW/m2	818.7 °C	881.7 °C
54	1	1	13.0 m	24 m	9 m	1800 kW/m2	724.6 °C	745.9 °C
55	0	1	13.0 m	24 m	9 m	2400 kW/m2	463.8 °C	482.5 °C
56	0	1	13.0 m	24 m	9 m	1800 kW/m2	352.4 °C	346.7 °C
57	1	1	13.0 m	16 m	5 m	2400 kW/m2	1162.7 °C	1270.2 °C
58	1	1	13.0 m	16 m	5 m	1800 kW/m2	1104.7 °C	1134.4 °C
59	0	1	13.0 m	16 m	5 m	2400 kW/m2	986.9 °C	871.0 °C
60	0	1	13.0 m	16 m	5 m	1800 kW/m2	798.9 °C	735.3 °C
61	1	1	13.0 m	16 m	9 m	2400 kW/m2	799.0 °C	952.4 °C
62	1	1	13.0 m	16 m	9 m	1800 kW/m2	802.7 °C	816.7 °C
63	0	1	13.0 m	16 m	9 m	2400 kW/m2	531.5 °C	553.3 °C
64	0	1	13.0 m	16 m	9 m	1800 kW/m2	399.0 °C	417.5 °C



Model	Observed	Predicted	Residual	Studentized Res.
37	1086.4 °C	881.7 °C	204.7 °C	3.34
38	933.6 °C	745.9 °C	187.7 °C	3.01
45	1098.2 °C	952.4 °C	145.7 °C	2.27
46	983.7 °C	816.7 °C	167.0 °C	2.64
61	799.0 °C	952.4 °C	-153.4 °C	-2.4

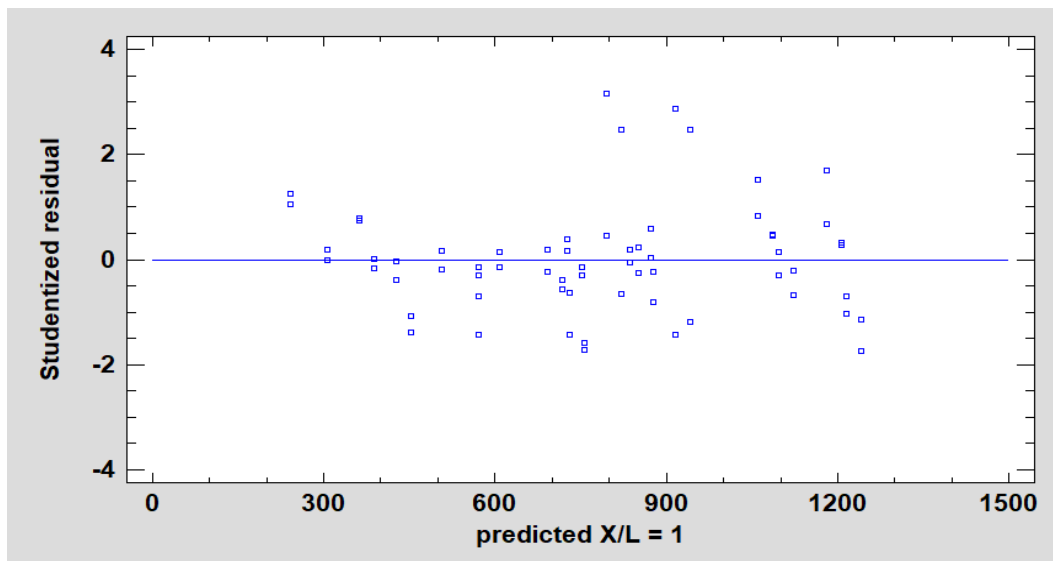
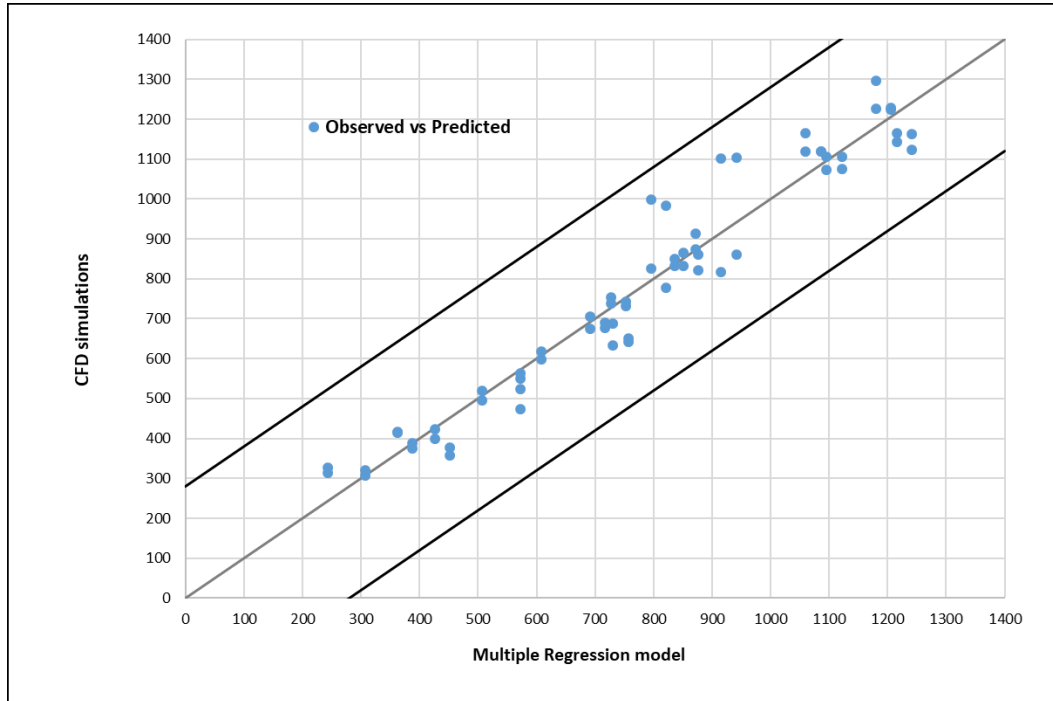


X/L = 1 - WEB

Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
1	1	0	23.4 m	24 m	5 m	2400 kW/m2	1224.9 °C	1205.9 °C
2	1	0	23.4 m	24 m	5 m	1800 kW/m2	1118.8 °C	1086.3 °C
3	0	0	23.4 m	24 m	5 m	2400 kW/m2	704.5 °C	691.4 °C
4	0	0	23.4 m	24 m	5 m	1800 kW/m2	562.1 °C	571.8 °C
5	1	0	23.4 m	24 m	9 m	2400 kW/m2	860.5 °C	876.9 °C
6	1	0	23.4 m	24 m	9 m	1800 kW/m2	650.5 °C	757.3 °C
7	0	0	23.4 m	24 m	9 m	2400 kW/m2	416.5 °C	362.4 °C
8	0	0	23.4 m	24 m	9 m	1800 kW/m2	327.5 °C	242.7 °C
9	1	0	23.4 m	16 m	5 m	2400 kW/m2	1226.4 °C	1179.6 °C
10	1	0	23.4 m	16 m	5 m	1800 kW/m2	1118.4 °C	1059.9 °C
11	0	0	23.4 m	16 m	5 m	2400 kW/m2	833.0 °C	836.5 °C
12	0	0	23.4 m	16 m	5 m	1800 kW/m2	676.9 °C	716.9 °C
13	1	0	23.4 m	16 m	9 m	2400 kW/m2	832.8 °C	850.6 °C
14	1	0	23.4 m	16 m	9 m	1800 kW/m2	633.1 °C	730.9 °C
15	0	0	23.4 m	16 m	9 m	2400 kW/m2	494.6 °C	507.5 °C
16	0	0	23.4 m	16 m	9 m	1800 kW/m2	375.6 °C	387.9 °C
17	1	0	13.0 m	24 m	5 m	2400 kW/m2	1229.0 °C	1205.9 °C
18	1	0	13.0 m	24 m	5 m	1800 kW/m2	1118.0 °C	1086.3 °C
19	0	0	13.0 m	24 m	5 m	2400 kW/m2	674.8 °C	691.4 °C
20	0	0	13.0 m	24 m	5 m	1800 kW/m2	551.0 °C	571.8 °C
21	1	0	13.0 m	24 m	9 m	2400 kW/m2	821.8 °C	876.9 °C
22	1	0	13.0 m	24 m	9 m	1800 kW/m2	641.1 °C	757.3 °C
23	0	0	13.0 m	24 m	9 m	2400 kW/m2	414.0 °C	362.4 °C
24	0	0	13.0 m	24 m	9 m	1800 kW/m2	314.1 °C	242.7 °C
25	1	0	13.0 m	16 m	5 m	2400 kW/m2	1296.3 °C	1179.6 °C
26	1	0	13.0 m	16 m	5 m	1800 kW/m2	1164.9 °C	1059.9 °C
27	0	0	13.0 m	16 m	5 m	2400 kW/m2	849.4 °C	836.5 °C
28	0	0	13.0 m	16 m	5 m	1800 kW/m2	689.2 °C	716.9 °C
29	1	0	13.0 m	16 m	9 m	2400 kW/m2	866.2 °C	850.6 °C
30	1	0	13.0 m	16 m	9 m	1800 kW/m2	687.1 °C	730.9 °C
31	0	0	13.0 m	16 m	9 m	2400 kW/m2	518.4 °C	507.5 °C
32	0	0	13.0 m	16 m	9 m	1800 kW/m2	389.2 °C	387.9 °C
33	1	1	23.4 m	24 m	5 m	2400 kW/m2	1123.1 °C	1241.7 °C
34	1	1	23.4 m	24 m	5 m	1800 kW/m2	1074.9 °C	1122.0 °C
35	0	1	23.4 m	24 m	5 m	2400 kW/m2	753.9 °C	727.1 °C
36	0	1	23.4 m	24 m	5 m	1800 kW/m2	617.3 °C	607.5 °C
37	1	1	23.4 m	24 m	9 m	2400 kW/m2	1103.3 °C	941.3 °C



Model	Position	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
38	1	1	23.4 m	24 m	9 m	1800 kW/m ²	984.1 °C	821.6 °C
39	0	1	23.4 m	24 m	9 m	2400 kW/m ²	423.6 °C	426.7 °C
40	0	1	23.4 m	24 m	9 m	1800 kW/m ²	320.4 °C	307.1 °C
41	1	1	23.4 m	16 m	5 m	2400 kW/m ²	1143.9 °C	1215.3 °C
42	1	1	23.4 m	16 m	5 m	1800 kW/m ²	1073.9 °C	1095.7 °C
43	0	1	23.4 m	16 m	5 m	2400 kW/m ²	874.7 °C	872.3 °C
44	0	1	23.4 m	16 m	5 m	1800 kW/m ²	731.3 °C	752.7 °C
45	1	1	23.4 m	16 m	9 m	2400 kW/m ²	1101.9 °C	914.9 °C
46	1	1	23.4 m	16 m	9 m	1800 kW/m ²	998.3 °C	795.3 °C
47	0	1	23.4 m	16 m	9 m	2400 kW/m ²	523.8 °C	571.9 °C
48	0	1	23.4 m	16 m	9 m	1800 kW/m ²	378.2 °C	452.3 °C
49	1	1	13.0 m	24 m	5 m	2400 kW/m ²	1162.2 °C	1241.7 °C
50	1	1	13.0 m	24 m	5 m	1800 kW/m ²	1106.6 °C	1122.0 °C
51	0	1	13.0 m	24 m	5 m	2400 kW/m ²	739.2 °C	727.1 °C
52	0	1	13.0 m	24 m	5 m	1800 kW/m ²	598.0 °C	607.5 °C
53	1	1	13.0 m	24 m	9 m	2400 kW/m ²	860.8 °C	941.3 °C
54	1	1	13.0 m	24 m	9 m	1800 kW/m ²	777.0 °C	821.6 °C
55	0	1	13.0 m	24 m	9 m	2400 kW/m ²	399.4 °C	426.7 °C
56	0	1	13.0 m	24 m	9 m	1800 kW/m ²	306.2 °C	307.1 °C
57	1	1	13.0 m	16 m	5 m	2400 kW/m ²	1165.8 °C	1215.3 °C
58	1	1	13.0 m	16 m	5 m	1800 kW/m ²	1105.8 °C	1095.7 °C
59	0	1	13.0 m	16 m	5 m	2400 kW/m ²	914.0 °C	872.3 °C
60	0	1	13.0 m	16 m	5 m	1800 kW/m ²	742.7 °C	752.7 °C
61	1	1	13.0 m	16 m	9 m	2400 kW/m ²	817.1 °C	914.9 °C
62	1	1	13.0 m	16 m	9 m	1800 kW/m ²	826.4 °C	795.3 °C
63	0	1	13.0 m	16 m	9 m	2400 kW/m ²	473.9 °C	571.9 °C
64	0	1	13.0 m	16 m	9 m	1800 kW/m ²	356.8 °C	452.3 °C

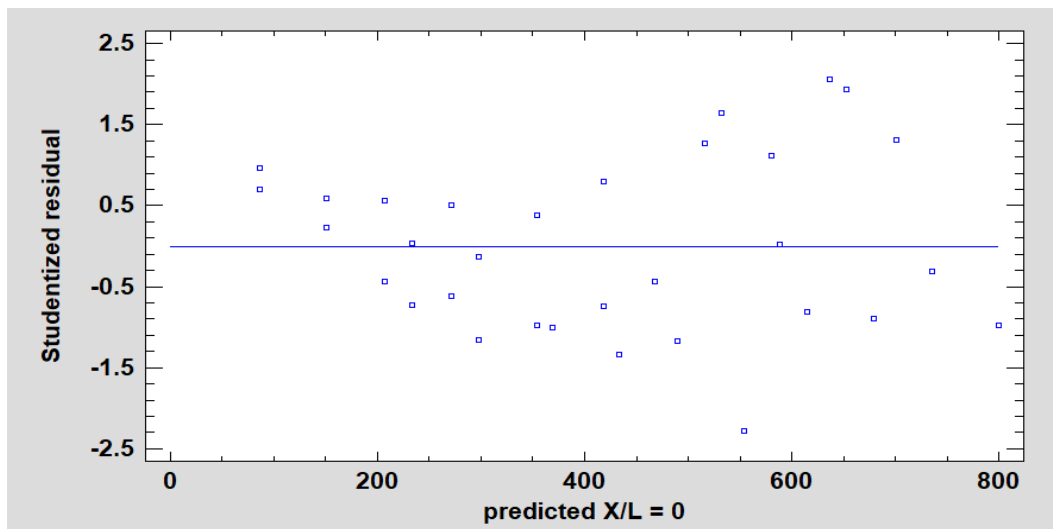
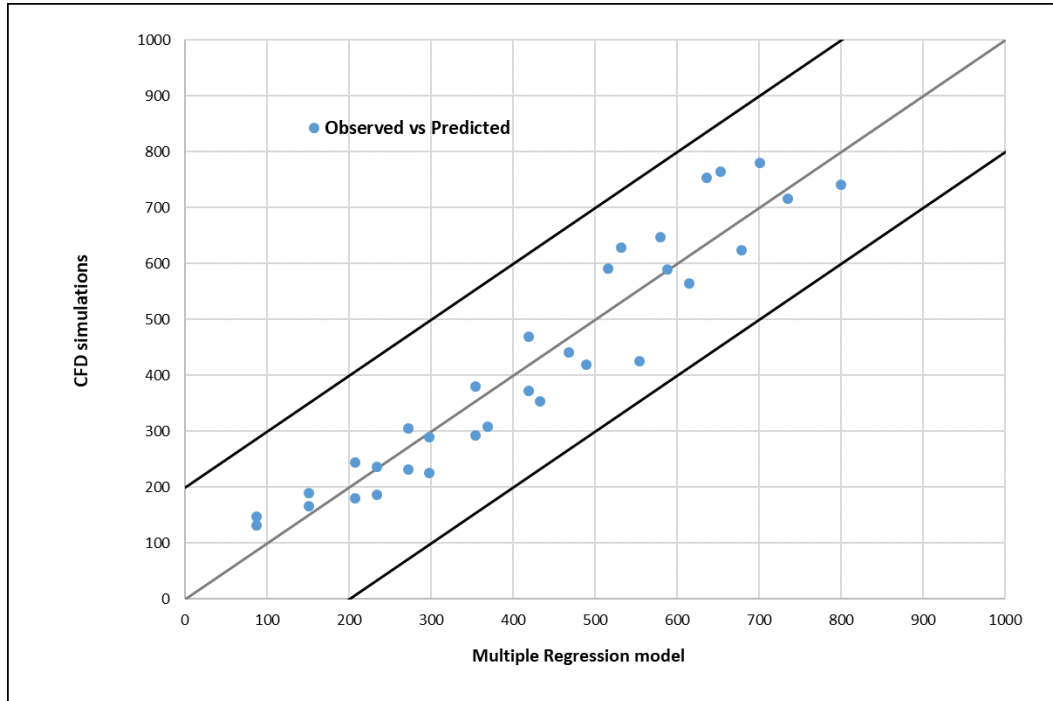


Model	Observed	Predicted	Residual	Studentized Res.
37	1103.3 °C	941.2 °C	162.1 °C	2.47
38	984.1 °C	821.6 °C	162.5 °C	2.48
45	1101.9 °C	914.9 °C	187.0 °C	2.88
46	998.3 °C	795.3 °C	203.0 °C	3.17

FIRE ADJACENT TO ABUTMENT/PIERS

X/L = 0 – BOTTOM FLANGE

Model	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
1	0	23.4 m	24 m	5 m	2400 kW/m ²	289.6 °C	297.9 °C
2	0	23.4 m	24 m	5 m	1800 kW/m ²	236.3 °C	233.6 °C
5	0	23.4 m	24 m	9 m	2400 kW/m ²	189.0 °C	151.1 °C
6	0	23.4 m	24 m	9 m	1800 kW/m ²	147.4 °C	86.7 °C
9	0	23.4 m	16 m	5 m	2400 kW/m ²	371.6 °C	418.8 °C
10	0	23.4 m	16 m	5 m	1800 kW/m ²	292.9 °C	354.5 °C
13	0	23.4 m	16 m	9 m	2400 kW/m ²	232.1 °C	271.9 °C
14	0	23.4 m	16 m	9 m	1800 kW/m ²	179.4 °C	207.6 °C
17	0	13.0 m	24 m	5 m	2400 kW/m ²	225.1 °C	297.9 °C
18	0	13.0 m	24 m	5 m	1800 kW/m ²	186.9 °C	233.6 °C
21	0	13.0 m	24 m	9 m	2400 kW/m ²	165.4 °C	151.1 °C
22	0	13.0 m	24 m	9 m	1800 kW/m ²	131.2 °C	86.7 °C
25	0	13.0 m	16 m	5 m	2400 kW/m ²	469.5 °C	418.8 °C
26	0	13.0 m	16 m	5 m	1800 kW/m ²	379.4 °C	354.5 °C
29	0	13.0 m	16 m	9 m	2400 kW/m ²	304.8 °C	271.9 °C
30	0	13.0 m	16 m	9 m	1800 kW/m ²	243.9 °C	207.6 °C
33	1	23.4 m	24 m	5 m	2400 kW/m ²	624.6 °C	678.9 °C
34	1	23.4 m	24 m	5 m	1800 kW/m ²	564.9 °C	614.5 °C
37	1	23.4 m	24 m	9 m	2400 kW/m ²	628.4 °C	532.0 °C
38	1	23.4 m	24 m	9 m	1800 kW/m ²	440.4 °C	467.6 °C
41	1	23.4 m	16 m	5 m	2400 kW/m ²	740.6 °C	799.7 °C
42	1	23.4 m	16 m	5 m	1800 kW/m ²	716.3 °C	735.4 °C
45	1	23.4 m	16 m	9 m	2400 kW/m ²	764.3 °C	652.9 °C
46	1	23.4 m	16 m	9 m	1800 kW/m ²	590.0 °C	588.5 °C
49	1	13.0 m	24 m	5 m	2400 kW/m ²	647.8 °C	580.0 °C
50	1	13.0 m	24 m	5 m	1800 kW/m ²	591.6 °C	515.6 °C
53	1	13.0 m	24 m	9 m	2400 kW/m ²	353.1 °C	433.1 °C
54	1	13.0 m	24 m	9 m	1800 kW/m ²	307.5 °C	368.8 °C
57	1	13.0 m	16 m	5 m	2400 kW/m ²	779.7 °C	700.9 °C
58	1	13.0 m	16 m	5 m	1800 kW/m ²	754.4 °C	636.5 °C
61	1	13.0 m	16 m	9 m	2400 kW/m ²	425.4 °C	554.0 °C
62	1	13.0 m	16 m	9 m	1800 kW/m ²	419.0 °C	489.7 °C

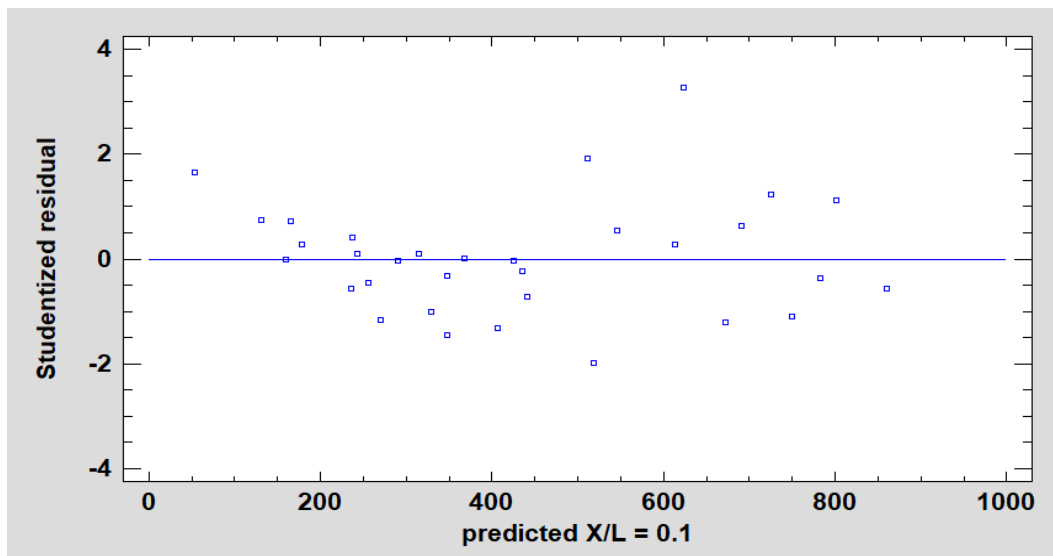
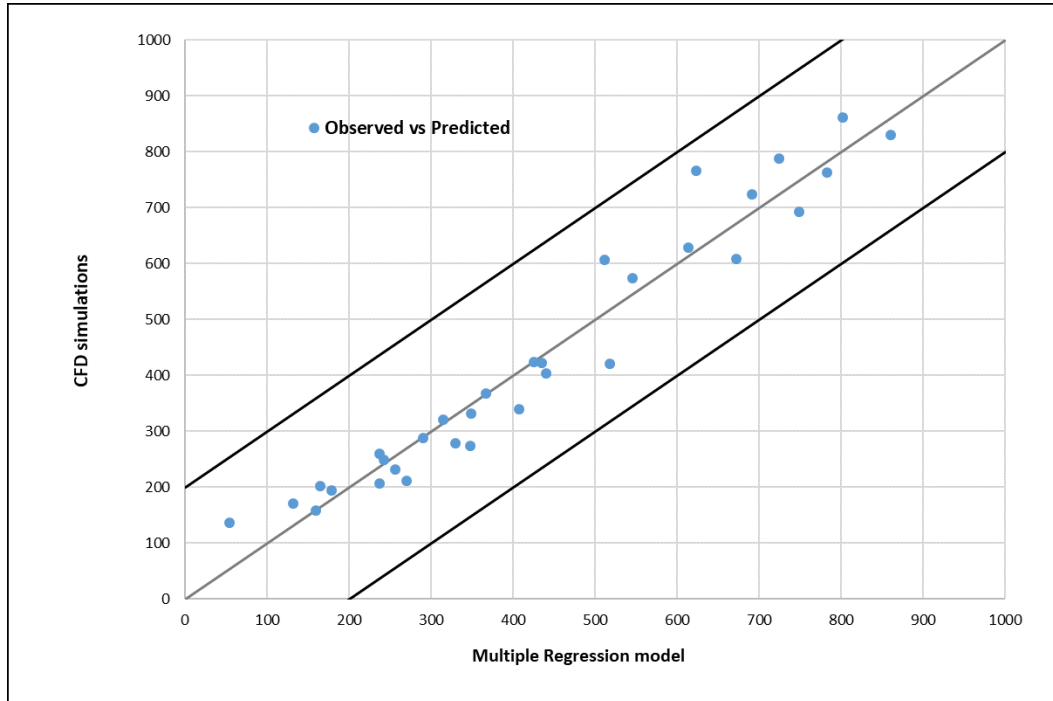


Model	Observed	Predicted	Residual	Studentized Res.
58	754.4 °C	636.5 °C	117.9 °C	2.06
61	425.4 °C	554.0 °C	-128.6 °C	-2.28



X/L = 0.1 – BOTTOM FLANGE

Model	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
1	0	23.4 m	24 m	5 m	2400 kW/m2	320.6 °C	314.8 °C
2	0	23.4 m	24 m	5 m	1800 kW/m2	260.0 °C	237.5 °C
5	0	23.4 m	24 m	9 m	2400 kW/m2	206.6 °C	236.6 °C
6	0	23.4 m	24 m	9 m	1800 kW/m2	158.9 °C	159.3 °C
9	0	23.4 m	16 m	5 m	2400 kW/m2	424.4 °C	425.8 °C
10	0	23.4 m	16 m	5 m	1800 kW/m2	331.8 °C	348.5 °C
13	0	23.4 m	16 m	9 m	2400 kW/m2	274.0 °C	347.6 °C
14	0	23.4 m	16 m	9 m	1800 kW/m2	210.8 °C	270.4 °C
17	0	13.0 m	24 m	5 m	2400 kW/m2	232.2 °C	256.4 °C
18	0	13.0 m	24 m	5 m	1800 kW/m2	193.6 °C	179.1 °C
21	0	13.0 m	24 m	9 m	2400 kW/m2	170.2 °C	131.5 °C
22	0	13.0 m	24 m	9 m	1800 kW/m2	136.0 °C	54.2 °C
25	0	13.0 m	16 m	5 m	2400 kW/m2	368.3 °C	367.4 °C
26	0	13.0 m	16 m	5 m	1800 kW/m2	288.6 °C	290.1 °C
29	0	13.0 m	16 m	9 m	2400 kW/m2	248.2 °C	242.5 °C
30	0	13.0 m	16 m	9 m	1800 kW/m2	202.6 °C	165.2 °C
33	1	23.4 m	24 m	5 m	2400 kW/m2	692.3 °C	749.4 °C
34	1	23.4 m	24 m	5 m	1800 kW/m2	608.7 °C	672.1 °C
37	1	23.4 m	24 m	9 m	2400 kW/m2	606.1 °C	512.1 °C
38	1	23.4 m	24 m	9 m	1800 kW/m2	422.7 °C	434.9 °C
41	1	23.4 m	16 m	5 m	2400 kW/m2	829.8 °C	860.4 °C
42	1	23.4 m	16 m	5 m	1800 kW/m2	763.4 °C	783.1 °C
45	1	23.4 m	16 m	9 m	2400 kW/m2	766.0 °C	623.2 °C
46	1	23.4 m	16 m	9 m	1800 kW/m2	574.1 °C	545.9 °C
49	1	13.0 m	24 m	5 m	2400 kW/m2	724.5 °C	691.0 °C
50	1	13.0 m	24 m	5 m	1800 kW/m2	628.7 °C	613.7 °C
53	1	13.0 m	24 m	9 m	2400 kW/m2	340.1 °C	407.0 °C
54	1	13.0 m	24 m	9 m	1800 kW/m2	278.0 °C	329.7 °C
57	1	13.0 m	16 m	5 m	2400 kW/m2	860.8 °C	802.0 °C
58	1	13.0 m	16 m	5 m	1800 kW/m2	788.4 °C	724.7 °C
61	1	13.0 m	16 m	9 m	2400 kW/m2	421.4 °C	518.0 °C
62	1	13.0 m	16 m	9 m	1800 kW/m2	403.1 °C	440.8 °C

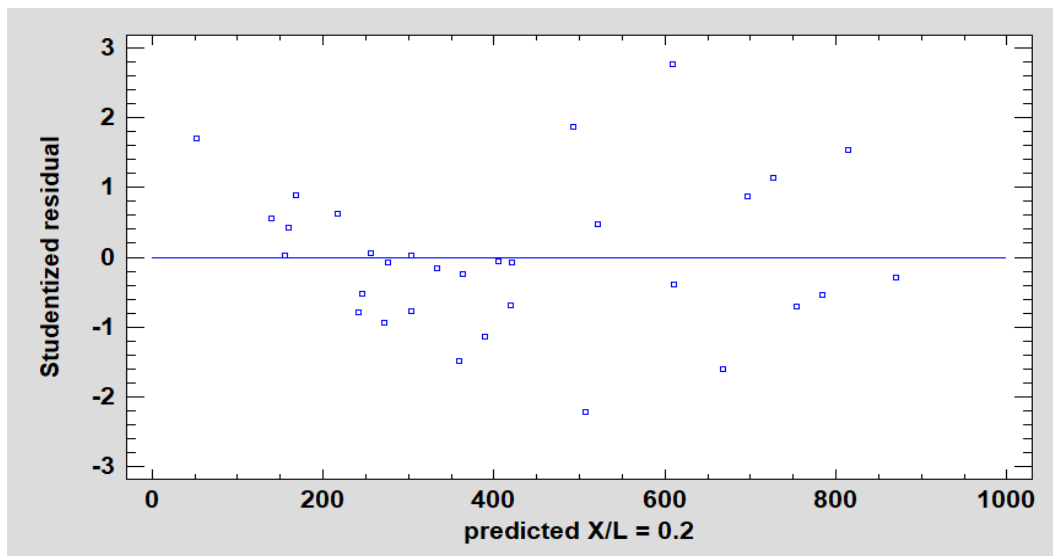
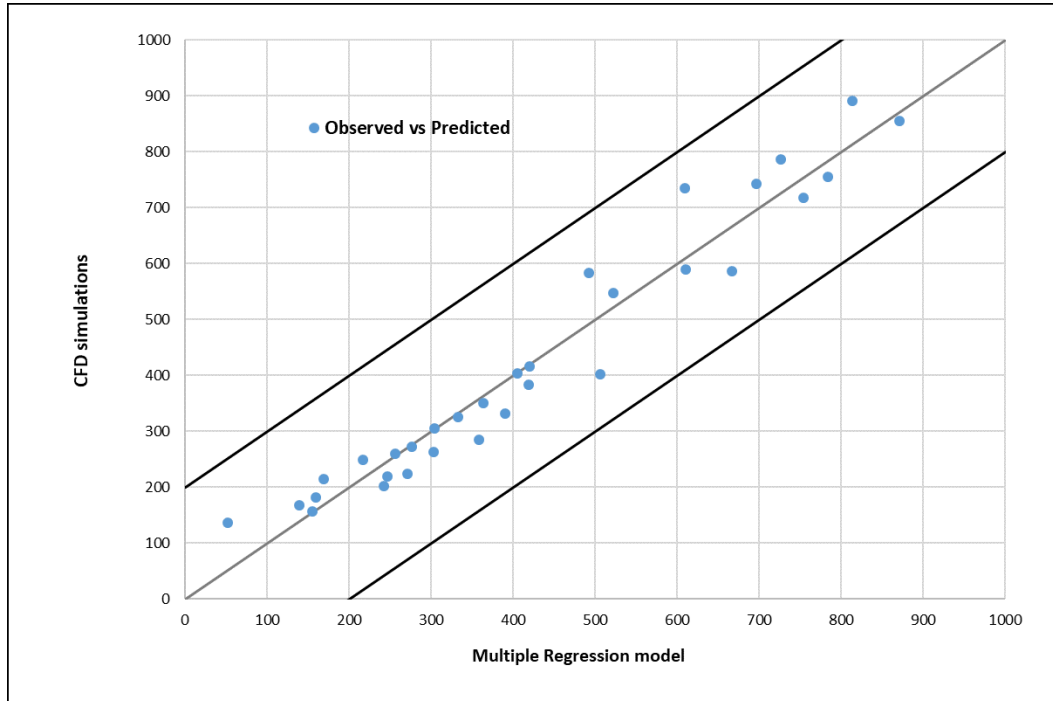


Model	Observed	Predicted	Residual	Studentized Res.
45	766.0 °C	623.2 °C	142.9 °C	3.27



X/L = 0.2 – BOTTOM FLANGE

Model	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
1	0	23.4 m	24 m	5 m	2400 kW/m2	305.2 °C	303.6 °C
2	0	23.4 m	24 m	5 m	1800 kW/m2	249.1 °C	216.6 °C
5	0	23.4 m	24 m	9 m	2400 kW/m2	201.8 °C	242.0 °C
6	0	23.4 m	24 m	9 m	1800 kW/m2	156.4 °C	154.9 °C
9	0	23.4 m	16 m	5 m	2400 kW/m2	416.7 °C	420.4 °C
10	0	23.4 m	16 m	5 m	1800 kW/m2	324.6 °C	333.3 °C
13	0	23.4 m	16 m	9 m	2400 kW/m2	284.7 °C	358.7 °C
14	0	23.4 m	16 m	9 m	1800 kW/m2	223.8 °C	271.7 °C
17	0	13.0 m	24 m	5 m	2400 kW/m2	219.2 °C	246.6 °C
18	0	13.0 m	24 m	5 m	1800 kW/m2	181.8 °C	159.5 °C
21	0	13.0 m	24 m	9 m	2400 kW/m2	167.8 °C	139.3 °C
22	0	13.0 m	24 m	9 m	1800 kW/m2	135.8 °C	52.2 °C
25	0	13.0 m	16 m	5 m	2400 kW/m2	350.7 °C	363.3 °C
26	0	13.0 m	16 m	5 m	1800 kW/m2	272.2 °C	276.2 °C
29	0	13.0 m	16 m	9 m	2400 kW/m2	259.1 °C	256.0 °C
30	0	13.0 m	16 m	9 m	1800 kW/m2	214.4 °C	169.0 °C
33	1	23.4 m	24 m	5 m	2400 kW/m2	717.5 °C	754.3 °C
34	1	23.4 m	24 m	5 m	1800 kW/m2	585.9 °C	667.3 °C
37	1	23.4 m	24 m	9 m	2400 kW/m2	583.7 °C	492.6 °C
38	1	23.4 m	24 m	9 m	1800 kW/m2	402.8 °C	405.5 °C
41	1	23.4 m	16 m	5 m	2400 kW/m2	855.5 °C	871.0 °C
42	1	23.4 m	16 m	5 m	1800 kW/m2	755.6 °C	784.0 °C
45	1	23.4 m	16 m	9 m	2400 kW/m2	734.9 °C	609.3 °C
46	1	23.4 m	16 m	9 m	1800 kW/m2	546.8 °C	522.2 °C
49	1	13.0 m	24 m	5 m	2400 kW/m2	743.1 °C	697.3 °C
50	1	13.0 m	24 m	5 m	1800 kW/m2	589.5 °C	610.2 °C
53	1	13.0 m	24 m	9 m	2400 kW/m2	331.8 °C	389.9 °C
54	1	13.0 m	24 m	9 m	1800 kW/m2	263.3 °C	302.8 °C
57	1	13.0 m	16 m	5 m	2400 kW/m2	891.9 °C	814.0 °C
58	1	13.0 m	16 m	5 m	1800 kW/m2	786.1 °C	726.9 °C
61	1	13.0 m	16 m	9 m	2400 kW/m2	401.2 °C	506.6 °C
62	1	13.0 m	16 m	9 m	1800 kW/m2	383.9 °C	419.5 °C

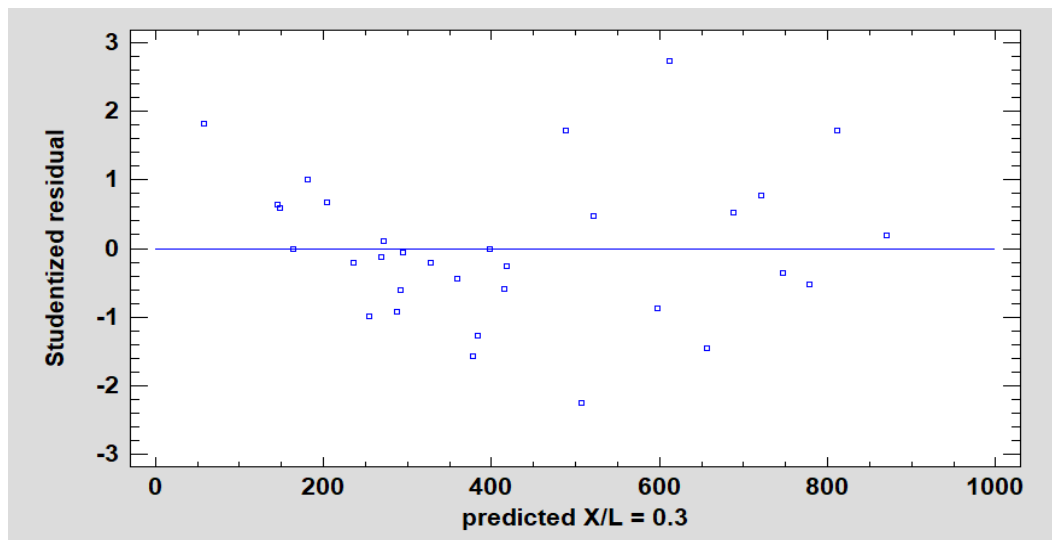
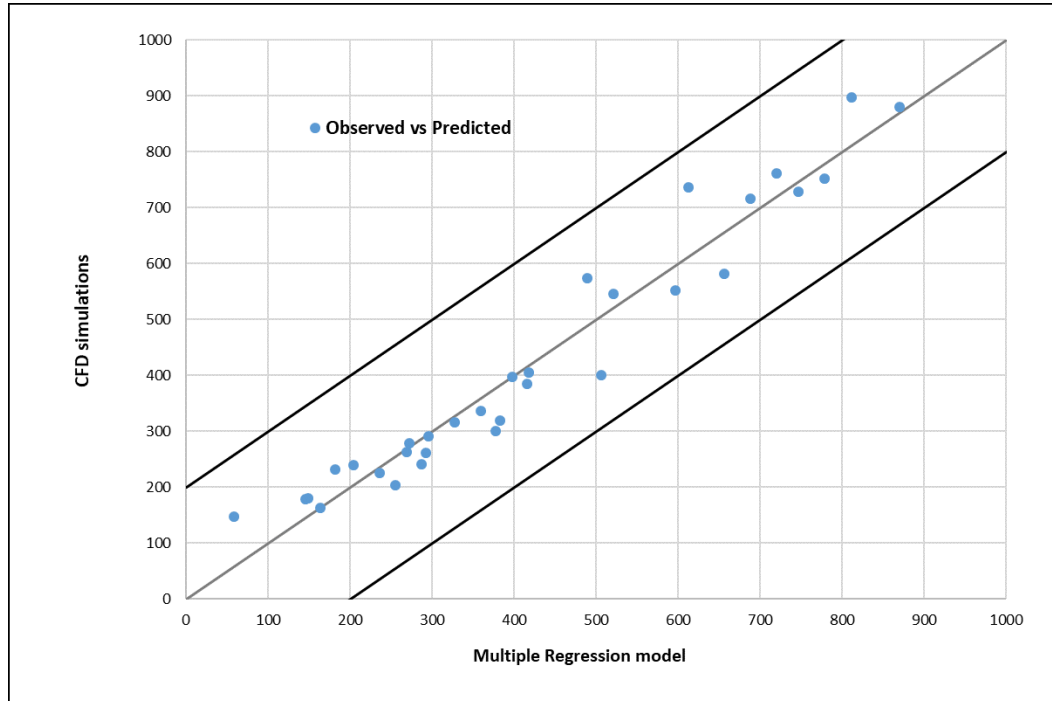


Model	Observed	Predicted	Residual	Studentized Res.
45	734.9 °C	609.3 °C	125.6 °C	2.77
61	401.2 °C	506.6 °C	-105.4 °C	-2.22



X/L = 0.3 – BOTTOM FLANGE

Model	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
1	0	23.4 m	24 m	5 m	2400 kW/m2	291.7 °C	295.2 °C
2	0	23.4 m	24 m	5 m	1800 kW/m2	240.0 °C	204.2 °C
5	0	23.4 m	24 m	9 m	2400 kW/m2	204.0 °C	254.7 °C
6	0	23.4 m	24 m	9 m	1800 kW/m2	163.0 °C	163.7 °C
9	0	23.4 m	16 m	5 m	2400 kW/m2	404.8 °C	418.5 °C
10	0	23.4 m	16 m	5 m	1800 kW/m2	316.7 °C	327.5 °C
13	0	23.4 m	16 m	9 m	2400 kW/m2	300.3 °C	378.0 °C
14	0	23.4 m	16 m	9 m	1800 kW/m2	240.2 °C	287.0 °C
17	0	13.0 m	24 m	5 m	2400 kW/m2	225.3 °C	236.5 °C
18	0	13.0 m	24 m	5 m	1800 kW/m2	179.1 °C	145.5 °C
21	0	13.0 m	24 m	9 m	2400 kW/m2	179.9 °C	149.0 °C
22	0	13.0 m	24 m	9 m	1800 kW/m2	146.5 °C	58.0 °C
25	0	13.0 m	16 m	5 m	2400 kW/m2	336.2 °C	359.8 °C
26	0	13.0 m	16 m	5 m	1800 kW/m2	262.3 °C	268.8 °C
29	0	13.0 m	16 m	9 m	2400 kW/m2	278.1 °C	272.4 °C
30	0	13.0 m	16 m	9 m	1800 kW/m2	232.3 °C	181.4 °C
33	1	23.4 m	24 m	5 m	2400 kW/m2	728.2 °C	746.8 °C
34	1	23.4 m	24 m	5 m	1800 kW/m2	581.8 °C	655.8 °C
37	1	23.4 m	24 m	9 m	2400 kW/m2	573.2 °C	488.9 °C
38	1	23.4 m	24 m	9 m	1800 kW/m2	397.3 °C	397.9 °C
41	1	23.4 m	16 m	5 m	2400 kW/m2	880.7 °C	870.1 °C
42	1	23.4 m	16 m	5 m	1800 kW/m2	751.8 °C	779.1 °C
45	1	23.4 m	16 m	9 m	2400 kW/m2	736.2 °C	612.2 °C
46	1	23.4 m	16 m	9 m	1800 kW/m2	546.2 °C	521.2 °C
49	1	13.0 m	24 m	5 m	2400 kW/m2	715.9 °C	688.1 °C
50	1	13.0 m	24 m	5 m	1800 kW/m2	551.8 °C	597.1 °C
53	1	13.0 m	24 m	9 m	2400 kW/m2	318.9 °C	383.3 °C
54	1	13.0 m	24 m	9 m	1800 kW/m2	260.7 °C	292.3 °C
57	1	13.0 m	16 m	5 m	2400 kW/m2	898.0 °C	811.4 °C
58	1	13.0 m	16 m	5 m	1800 kW/m2	760.9 °C	720.4 °C
61	1	13.0 m	16 m	9 m	2400 kW/m2	400.3 °C	506.6 °C
62	1	13.0 m	16 m	9 m	1800 kW/m2	385.3 °C	415.6 °C

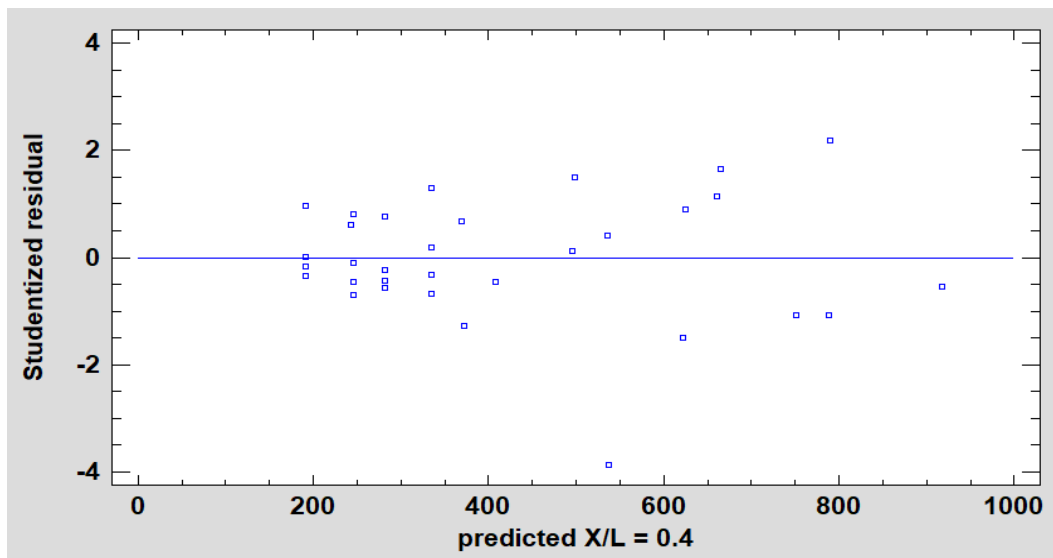
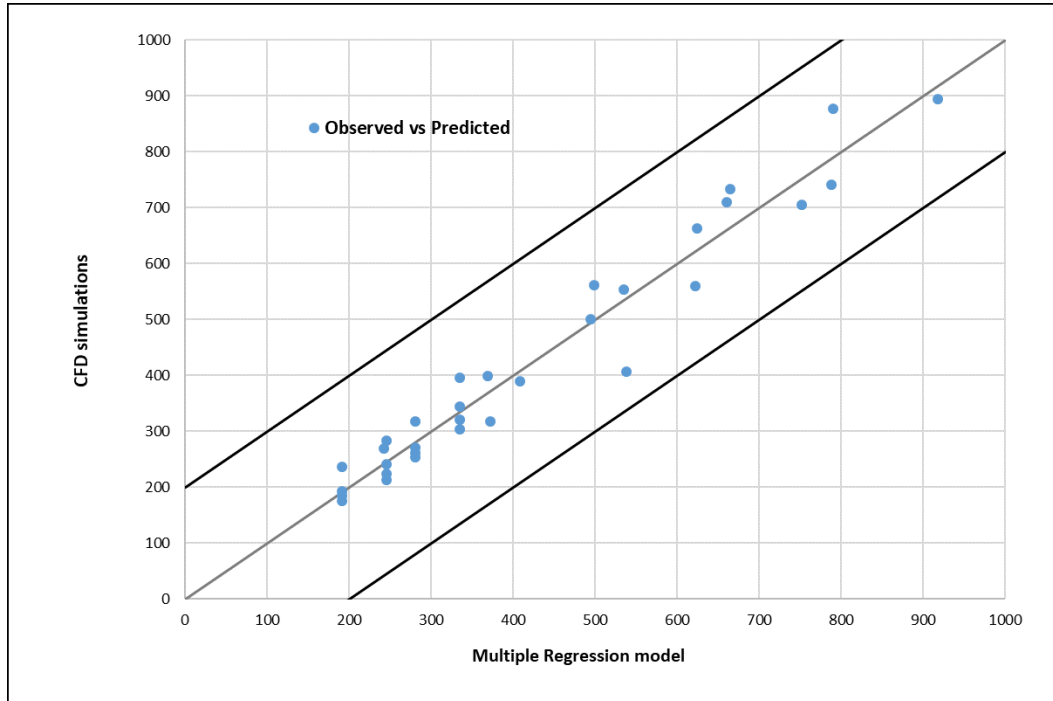


Model	Observed	Predicted	Residual	Studentized Res.
45	736.2 °C	612.2 °C	124.0 °C	2.73
61	400.3 °C	506.6 °C	-106.3 °C	-2.25



X/L = 0.4 – BOTTOM FLANGE

Model	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
1	0	23.4 m	24 m	5 m	2400 kW/m2	283.6 °C	245.8 °C
2	0	23.4 m	24 m	5 m	1800 kW/m2	236.3 °C	191.6 °C
5	0	23.4 m	24 m	9 m	2400 kW/m2	224.5 °C	245.8 °C
6	0	23.4 m	24 m	9 m	1800 kW/m2	184.2 °C	191.6 °C
9	0	23.4 m	16 m	5 m	2400 kW/m2	395.1 °C	335.3 °C
10	0	23.4 m	16 m	5 m	1800 kW/m2	317.1 °C	281.1 °C
13	0	23.4 m	16 m	9 m	2400 kW/m2	320.2 °C	335.3 °C
14	0	23.4 m	16 m	9 m	1800 kW/m2	260.8 °C	281.1 °C
17	0	13.0 m	24 m	5 m	2400 kW/m2	240.6 °C	245.8 °C
18	0	13.0 m	24 m	5 m	1800 kW/m2	192.6 °C	191.6 °C
21	0	13.0 m	24 m	9 m	2400 kW/m2	212.4 °C	245.8 °C
22	0	13.0 m	24 m	9 m	1800 kW/m2	175.3 °C	191.6 °C
25	0	13.0 m	16 m	5 m	2400 kW/m2	344.0 °C	335.3 °C
26	0	13.0 m	16 m	5 m	1800 kW/m2	270.4 °C	281.1 °C
29	0	13.0 m	16 m	9 m	2400 kW/m2	303.6 °C	335.3 °C
30	0	13.0 m	16 m	9 m	1800 kW/m2	254.2 °C	281.1 °C
33	1	23.4 m	24 m	5 m	2400 kW/m2	705.3 °C	751.6 °C
34	1	23.4 m	24 m	5 m	1800 kW/m2	559.8 °C	622.0 °C
37	1	23.4 m	24 m	9 m	2400 kW/m2	561.7 °C	499.0 °C
38	1	23.4 m	24 m	9 m	1800 kW/m2	399.1 °C	369.4 °C
41	1	23.4 m	16 m	5 m	2400 kW/m2	893.8 °C	917.6 °C
42	1	23.4 m	16 m	5 m	1800 kW/m2	741.8 °C	788.1 °C
45	1	23.4 m	16 m	9 m	2400 kW/m2	733.2 °C	665.0 °C
46	1	23.4 m	16 m	9 m	1800 kW/m2	553.6 °C	535.5 °C
49	1	13.0 m	24 m	5 m	2400 kW/m2	662.9 °C	624.6 °C
50	1	13.0 m	24 m	5 m	1800 kW/m2	500.6 °C	495.0 °C
53	1	13.0 m	24 m	9 m	2400 kW/m2	317.9 °C	372.0 °C
54	1	13.0 m	24 m	9 m	1800 kW/m2	268.9 °C	242.4 °C
57	1	13.0 m	16 m	5 m	2400 kW/m2	877.3 °C	790.6 °C
58	1	13.0 m	16 m	5 m	1800 kW/m2	709.3 °C	661.1 °C
61	1	13.0 m	16 m	9 m	2400 kW/m2	406.6 °C	538.0 °C
62	1	13.0 m	16 m	9 m	1800 kW/m2	388.8 °C	408.4 °C

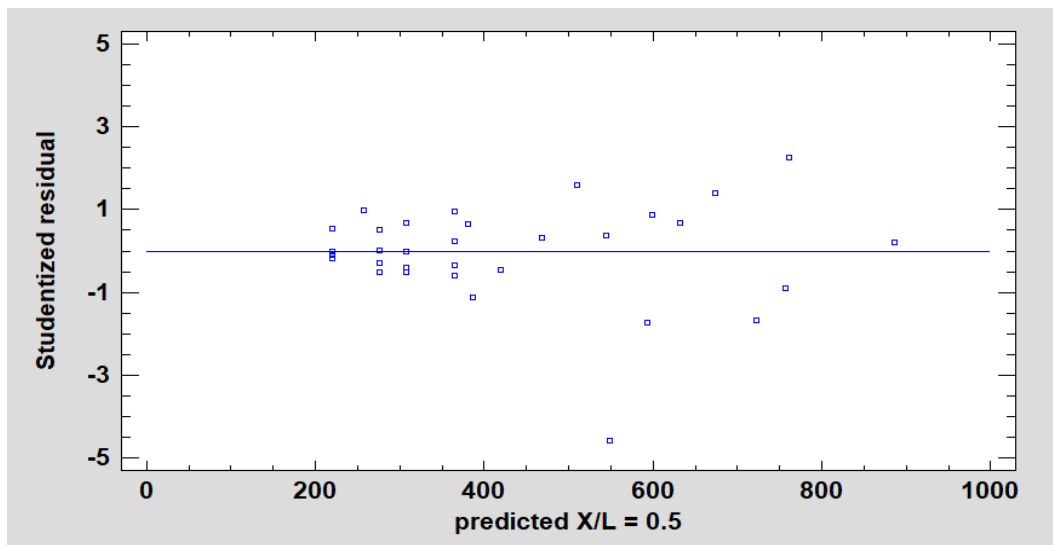
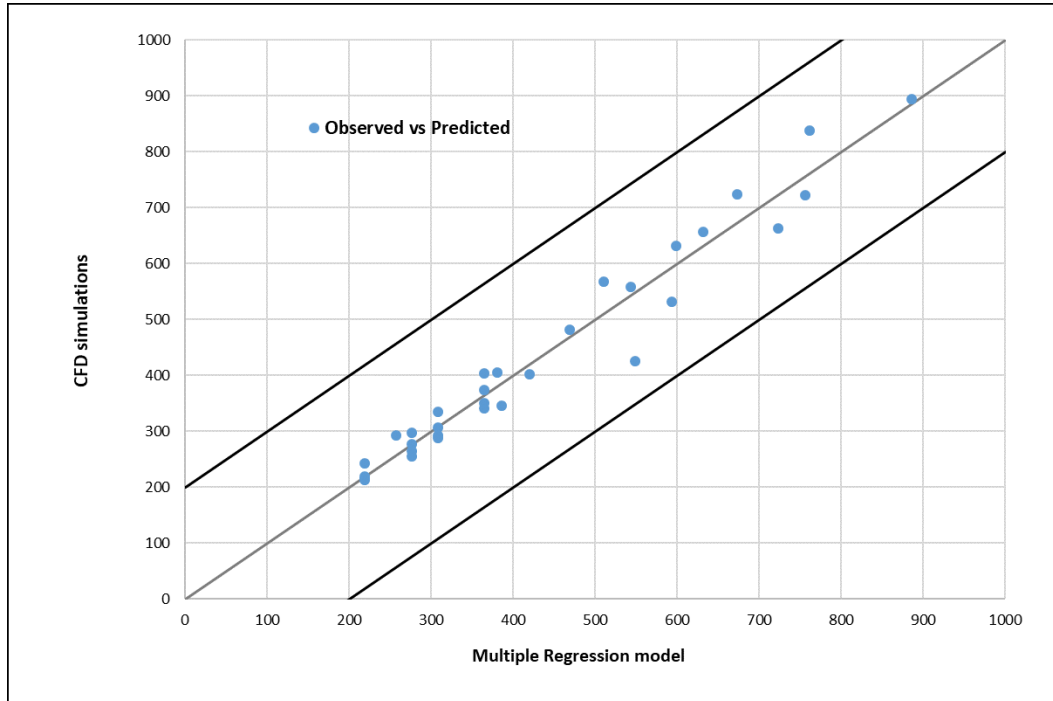


Model	Observed	Predicted	Residual	Studentized Res.
57	877.3 °C	790.6 °C	86.7 °C	2.18
61	406.6 °C	538.0 °C	-131.5 °C	-3.86



X/L = 0.5 – BOTTOM FLANGE

Model	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
1	0	23.4 m	24 m	5 m	2400 kW/m2	297.1 °C	276.1 °C
2	0	23.4 m	24 m	5 m	1800 kW/m2	241.8 °C	219.5 °C
5	0	23.4 m	24 m	9 m	2400 kW/m2	264.7 °C	276.1 °C
6	0	23.4 m	24 m	9 m	1800 kW/m2	218.5 °C	219.5 °C
9	0	23.4 m	16 m	5 m	2400 kW/m2	403.3 °C	364.6 °C
10	0	23.4 m	16 m	5 m	1800 kW/m2	335.0 °C	307.9 °C
13	0	23.4 m	16 m	9 m	2400 kW/m2	350.4 °C	364.6 °C
14	0	23.4 m	16 m	9 m	1800 kW/m2	291.9 °C	307.9 °C
17	0	13.0 m	24 m	5 m	2400 kW/m2	277.3 °C	276.1 °C
18	0	13.0 m	24 m	5 m	1800 kW/m2	215.3 °C	219.5 °C
21	0	13.0 m	24 m	9 m	2400 kW/m2	255.1 °C	276.1 °C
22	0	13.0 m	24 m	9 m	1800 kW/m2	212.7 °C	219.5 °C
25	0	13.0 m	16 m	5 m	2400 kW/m2	374.4 °C	364.6 °C
26	0	13.0 m	16 m	5 m	1800 kW/m2	306.8 °C	307.9 °C
29	0	13.0 m	16 m	9 m	2400 kW/m2	340.7 °C	364.6 °C
30	0	13.0 m	16 m	9 m	1800 kW/m2	287.5 °C	307.9 °C
33	1	23.4 m	24 m	5 m	2400 kW/m2	663.3 °C	722.9 °C
34	1	23.4 m	24 m	5 m	1800 kW/m2	531.9 °C	593.4 °C
37	1	23.4 m	24 m	9 m	2400 kW/m2	567.8 °C	510.7 °C
38	1	23.4 m	24 m	9 m	1800 kW/m2	405.4 °C	381.1 °C
41	1	23.4 m	16 m	5 m	2400 kW/m2	894.1 °C	885.8 °C
42	1	23.4 m	16 m	5 m	1800 kW/m2	722.6 °C	756.3 °C
45	1	23.4 m	16 m	9 m	2400 kW/m2	724.2 °C	673.6 °C
46	1	23.4 m	16 m	9 m	1800 kW/m2	558.5 °C	544.0 °C
49	1	13.0 m	24 m	5 m	2400 kW/m2	631.0 °C	598.6 °C
50	1	13.0 m	24 m	5 m	1800 kW/m2	481.3 °C	469.1 °C
53	1	13.0 m	24 m	9 m	2400 kW/m2	345.1 °C	386.4 °C
54	1	13.0 m	24 m	9 m	1800 kW/m2	293.2 °C	256.8 °C
57	1	13.0 m	16 m	5 m	2400 kW/m2	838.6 °C	761.5 °C
58	1	13.0 m	16 m	5 m	1800 kW/m2	656.8 °C	632.0 °C
61	1	13.0 m	16 m	9 m	2400 kW/m2	424.9 °C	549.3 °C
62	1	13.0 m	16 m	9 m	1800 kW/m2	402.6 °C	419.7 °C

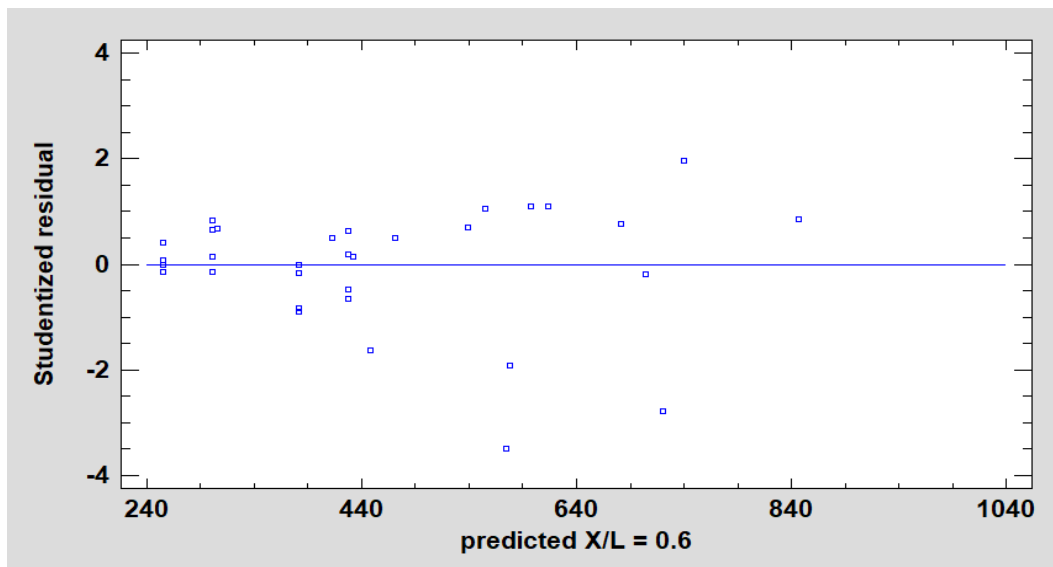
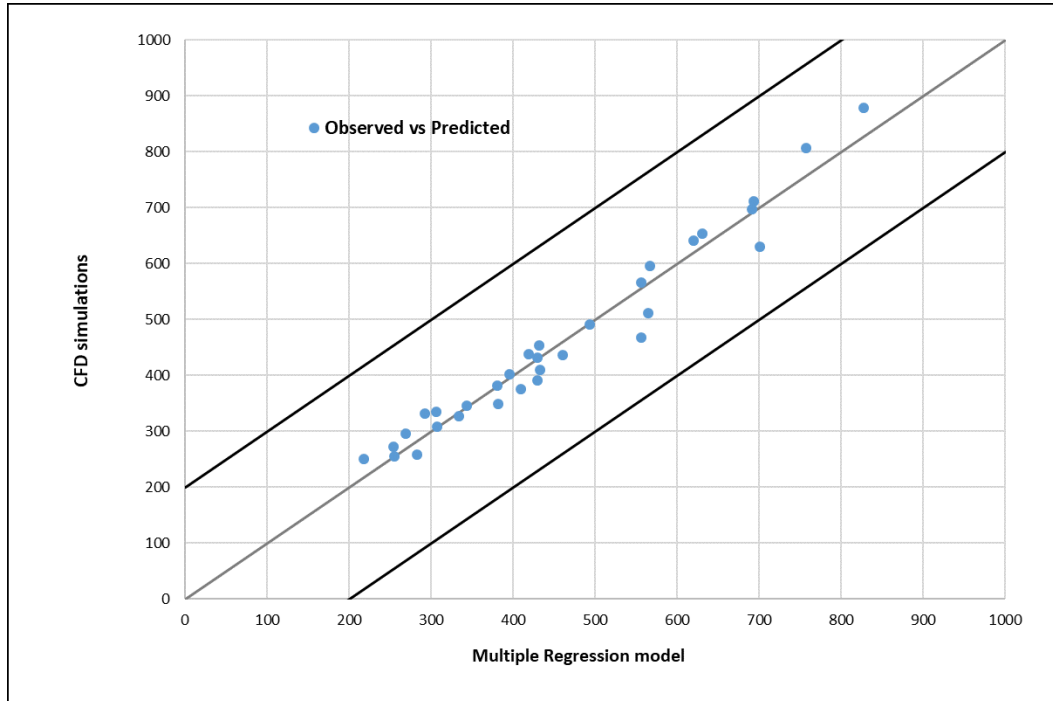


Model	Observed	Predicted	Residual	Studentized Res.
57	838.6 °C	761.5 °C	77.1 °C	2.27
61	424.9 °C	549.3 °C	-124.4 °C	-4.59



X/L = 0.6 – BOTTOM FLANGE

Model	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
1	0	23.4 m	24 m	5 m	2400 kW/m2	334.6 °C	305.9 °C
2	0	23.4 m	24 m	5 m	1800 kW/m2	272.3 °C	254.5 °C
5	0	23.4 m	24 m	9 m	2400 kW/m2	307.7 °C	307.0 °C
6	0	23.4 m	24 m	9 m	1800 kW/m2	255.6 °C	255.6 °C
9	0	23.4 m	16 m	5 m	2400 kW/m2	453.3 °C	432.3 °C
10	0	23.4 m	16 m	5 m	1800 kW/m2	382.1 °C	380.9 °C
13	0	23.4 m	16 m	9 m	2400 kW/m2	409.0 °C	433.4 °C
14	0	23.4 m	16 m	9 m	1800 kW/m2	349.0 °C	382.1 °C
17	0	13.0 m	24 m	5 m	2400 kW/m2	327.6 °C	334.4 °C
18	0	13.0 m	24 m	5 m	1800 kW/m2	258.6 °C	283.0 °C
21	0	13.0 m	24 m	9 m	2400 kW/m2	296.3 °C	268.9 °C
22	0	13.0 m	24 m	9 m	1800 kW/m2	250.0 °C	217.6 °C
25	0	13.0 m	16 m	5 m	2400 kW/m2	435.8 °C	460.8 °C
26	0	13.0 m	16 m	5 m	1800 kW/m2	375.3 °C	409.5 °C
29	0	13.0 m	16 m	9 m	2400 kW/m2	402.3 °C	395.3 °C
30	0	13.0 m	16 m	9 m	1800 kW/m2	346.1 °C	344.0 °C
33	1	23.4 m	24 m	5 m	2400 kW/m2	629.5 °C	701.4 °C
34	1	23.4 m	24 m	5 m	1800 kW/m2	510.8 °C	564.6 °C
37	1	23.4 m	24 m	9 m	2400 kW/m2	595.7 °C	566.8 °C
38	1	23.4 m	24 m	9 m	1800 kW/m2	431.5 °C	430.1 °C
41	1	23.4 m	16 m	5 m	2400 kW/m2	878.6 °C	827.8 °C
42	1	23.4 m	16 m	5 m	1800 kW/m2	697.2 °C	691.0 °C
45	1	23.4 m	16 m	9 m	2400 kW/m2	710.9 °C	693.2 °C
46	1	23.4 m	16 m	9 m	1800 kW/m2	565.4 °C	556.5 °C
49	1	13.0 m	24 m	5 m	2400 kW/m2	653.1 °C	630.6 °C
50	1	13.0 m	24 m	5 m	1800 kW/m2	491.1 °C	493.8 °C
53	1	13.0 m	24 m	9 m	2400 kW/m2	390.5 °C	429.5 °C
54	1	13.0 m	24 m	9 m	1800 kW/m2	331.7 °C	292.7 °C
57	1	13.0 m	16 m	5 m	2400 kW/m2	807.2 °C	757.0 °C
58	1	13.0 m	16 m	5 m	1800 kW/m2	640.6 °C	620.3 °C
61	1	13.0 m	16 m	9 m	2400 kW/m2	467.9 °C	555.9 °C
62	1	13.0 m	16 m	9 m	1800 kW/m2	438.3 °C	419.1 °C

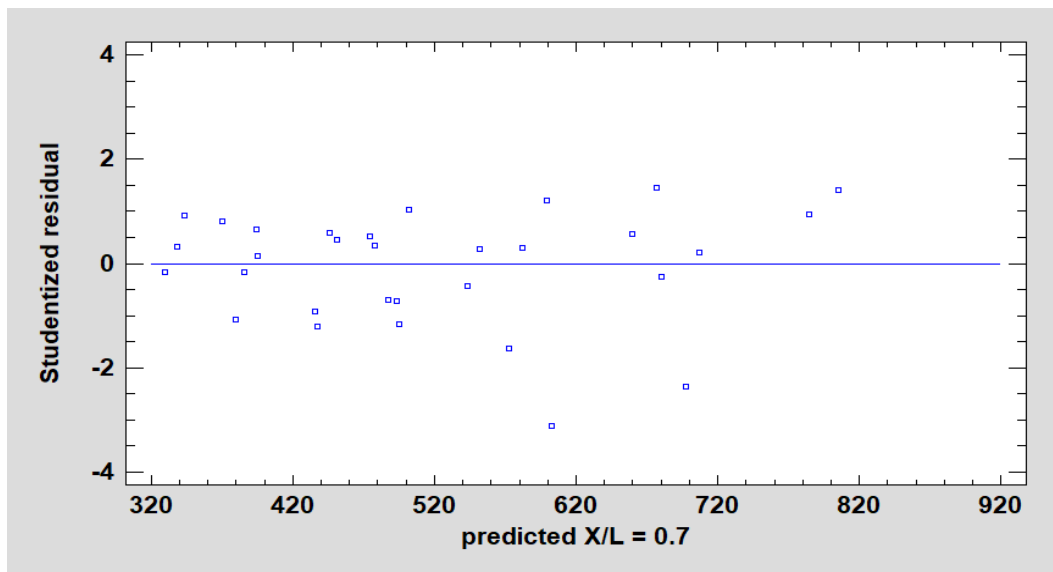
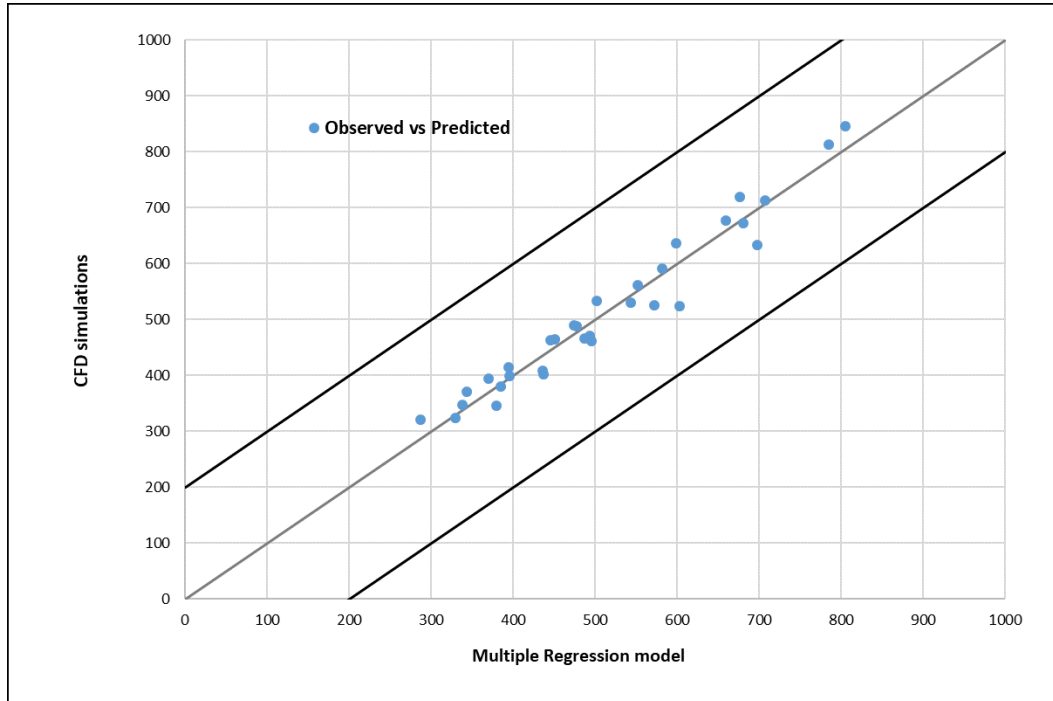


Model	Observed	Predicted	Residual	Studentized Res.
33	629.5 °C	720.3 °C	-90.9 °C	-2.78
61	468.0 °C	574.8 °C	-106.9 °C	-3.48



X/L = 0.7 – BOTTOM FLANGE

Model	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
1	0	23.4 m	24 m	5 m	2400 kW/m2	414.0 °C	394.1 °C
2	0	23.4 m	24 m	5 m	1800 kW/m2	347.6 °C	338.0 °C
5	0	23.4 m	24 m	9 m	2400 kW/m2	379.9 °C	385.5 °C
6	0	23.4 m	24 m	9 m	1800 kW/m2	324.2 °C	329.4 °C
9	0	23.4 m	16 m	5 m	2400 kW/m2	532.7 °C	501.9 °C
10	0	23.4 m	16 m	5 m	1800 kW/m2	463.6 °C	445.8 °C
13	0	23.4 m	16 m	9 m	2400 kW/m2	470.9 °C	493.2 °C
14	0	23.4 m	16 m	9 m	1800 kW/m2	401.9 °C	437.1 °C
17	0	13.0 m	24 m	5 m	2400 kW/m2	408.5 °C	435.8 °C
18	0	13.0 m	24 m	5 m	1800 kW/m2	345.9 °C	379.7 °C
21	0	13.0 m	24 m	9 m	2400 kW/m2	370.8 °C	343.6 °C
22	0	13.0 m	24 m	9 m	1800 kW/m2	320.8 °C	287.5 °C
25	0	13.0 m	16 m	5 m	2400 kW/m2	530.8 °C	543.5 °C
26	0	13.0 m	16 m	5 m	1800 kW/m2	465.3 °C	487.4 °C
29	0	13.0 m	16 m	9 m	2400 kW/m2	464.9 °C	451.4 °C
30	0	13.0 m	16 m	9 m	1800 kW/m2	399.5 °C	395.3 °C
33	1	23.4 m	24 m	5 m	2400 kW/m2	633.5 °C	697.6 °C
34	1	23.4 m	24 m	5 m	1800 kW/m2	525.7 °C	572.7 °C
37	1	23.4 m	24 m	9 m	2400 kW/m2	636.2 °C	599.3 °C
38	1	23.4 m	24 m	9 m	1800 kW/m2	490.0 °C	474.3 °C
41	1	23.4 m	16 m	5 m	2400 kW/m2	846.2 °C	805.4 °C
42	1	23.4 m	16 m	5 m	1800 kW/m2	672.4 °C	680.4 °C
45	1	23.4 m	16 m	9 m	2400 kW/m2	713.6 °C	707.0 °C
46	1	23.4 m	16 m	9 m	1800 kW/m2	591.2 °C	582.1 °C
49	1	13.0 m	24 m	5 m	2400 kW/m2	718.6 °C	677.0 °C
50	1	13.0 m	24 m	5 m	1800 kW/m2	560.7 °C	552.0 °C
53	1	13.0 m	24 m	9 m	2400 kW/m2	460.7 °C	495.1 °C
54	1	13.0 m	24 m	9 m	1800 kW/m2	394.7 °C	370.2 °C
57	1	13.0 m	16 m	5 m	2400 kW/m2	812.5 °C	784.7 °C
58	1	13.0 m	16 m	5 m	1800 kW/m2	677.5 °C	659.7 °C
61	1	13.0 m	16 m	9 m	2400 kW/m2	524.0 °C	602.9 °C
62	1	13.0 m	16 m	9 m	1800 kW/m2	488.5 °C	477.9 °C

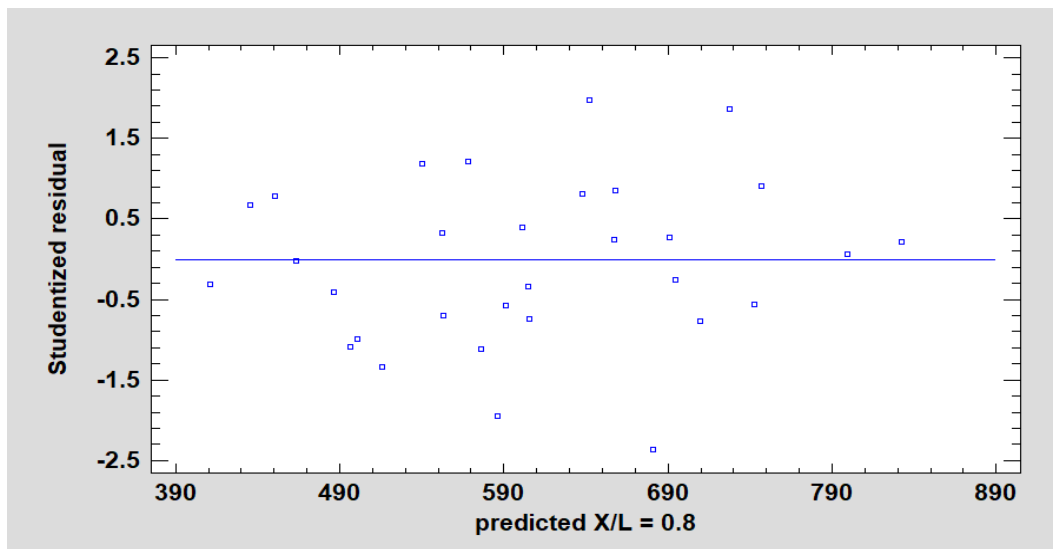
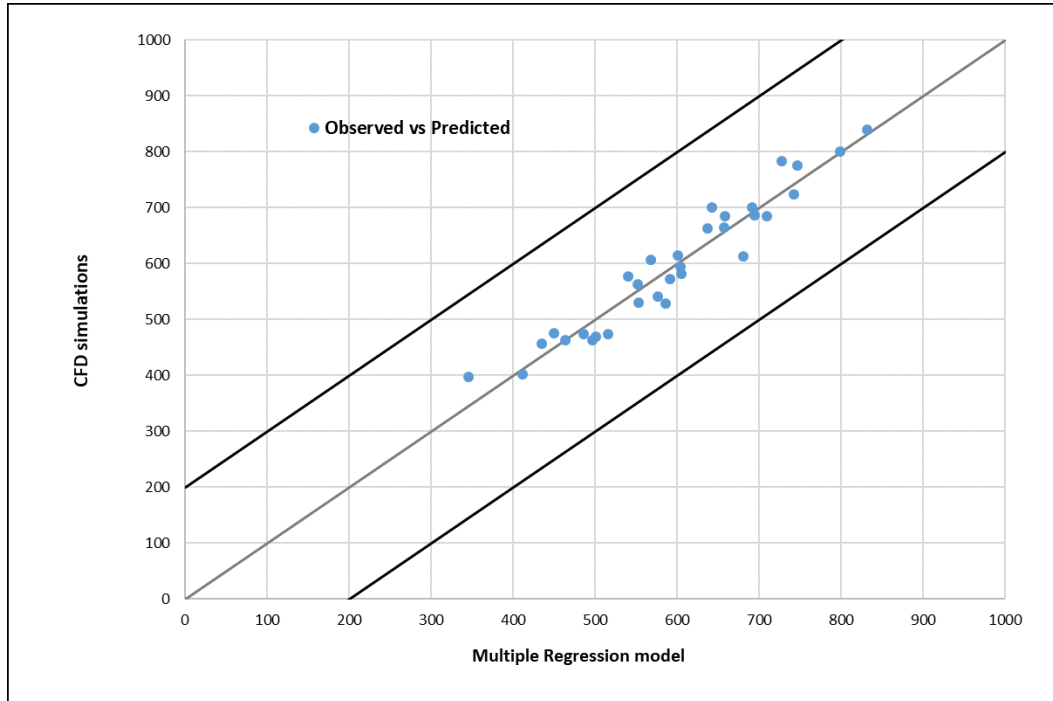


Model	Observed	Predicted	Residual	Studentized Res.
33	633.5 °C	697.6 °C	-64.1 °C	-2.36
61	524.0 °C	602.9 °C	-78.9 °C	-3.12



X/L = 0.8 – BOTTOM FLANGE

Model	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
1	0	23.4 m	24 m	5 m	2400 kW/m2	530.8 °C	553.3 °C
2	0	23.4 m	24 m	5 m	1800 kW/m2	462.7 °C	463.5 °C
5	0	23.4 m	24 m	9 m	2400 kW/m2	469.7 °C	500.9 °C
6	0	23.4 m	24 m	9 m	1800 kW/m2	401.2 °C	411.1 °C
9	0	23.4 m	16 m	5 m	2400 kW/m2	685.3 °C	658.1 °C
10	0	23.4 m	16 m	5 m	1800 kW/m2	606.0 °C	568.3 °C
13	0	23.4 m	16 m	9 m	2400 kW/m2	582.2 °C	605.7 °C
14	0	23.4 m	16 m	9 m	1800 kW/m2	474.4 °C	516.0 °C
17	0	13.0 m	24 m	5 m	2400 kW/m2	528.1 °C	586.4 °C
18	0	13.0 m	24 m	5 m	1800 kW/m2	462.5 °C	496.6 °C
21	0	13.0 m	24 m	9 m	2400 kW/m2	456.5 °C	435.2 °C
22	0	13.0 m	24 m	9 m	1800 kW/m2	397.1 °C	345.4 °C
25	0	13.0 m	16 m	5 m	2400 kW/m2	700.1 °C	691.2 °C
26	0	13.0 m	16 m	5 m	1800 kW/m2	614.3 °C	601.4 °C
29	0	13.0 m	16 m	9 m	2400 kW/m2	577.2 °C	540.0 °C
30	0	13.0 m	16 m	9 m	1800 kW/m2	475.1 °C	450.2 °C
33	1	23.4 m	24 m	5 m	2400 kW/m2	686.0 °C	694.3 °C
34	1	23.4 m	24 m	5 m	1800 kW/m2	593.5 °C	604.5 °C
37	1	23.4 m	24 m	9 m	2400 kW/m2	700.9 °C	642.0 °C
38	1	23.4 m	24 m	9 m	1800 kW/m2	562.7 °C	552.2 °C
41	1	23.4 m	16 m	5 m	2400 kW/m2	801.2 °C	799.1 °C
42	1	23.4 m	16 m	5 m	1800 kW/m2	684.9 °C	709.4 °C
45	1	23.4 m	16 m	9 m	2400 kW/m2	775.6 °C	746.8 °C
46	1	23.4 m	16 m	9 m	1800 kW/m2	665.0 °C	657.0 °C
49	1	13.0 m	24 m	5 m	2400 kW/m2	783.4 °C	727.4 °C
50	1	13.0 m	24 m	5 m	1800 kW/m2	663.3 °C	637.7 °C
53	1	13.0 m	24 m	9 m	2400 kW/m2	541.3 °C	576.2 °C
54	1	13.0 m	24 m	9 m	1800 kW/m2	473.1 °C	486.5 °C
57	1	13.0 m	16 m	5 m	2400 kW/m2	839.1 °C	832.3 °C
58	1	13.0 m	16 m	5 m	1800 kW/m2	724.7 °C	742.5 °C
61	1	13.0 m	16 m	9 m	2400 kW/m2	612.6 °C	681.1 °C
62	1	13.0 m	16 m	9 m	1800 kW/m2	572.9 °C	591.3 °C

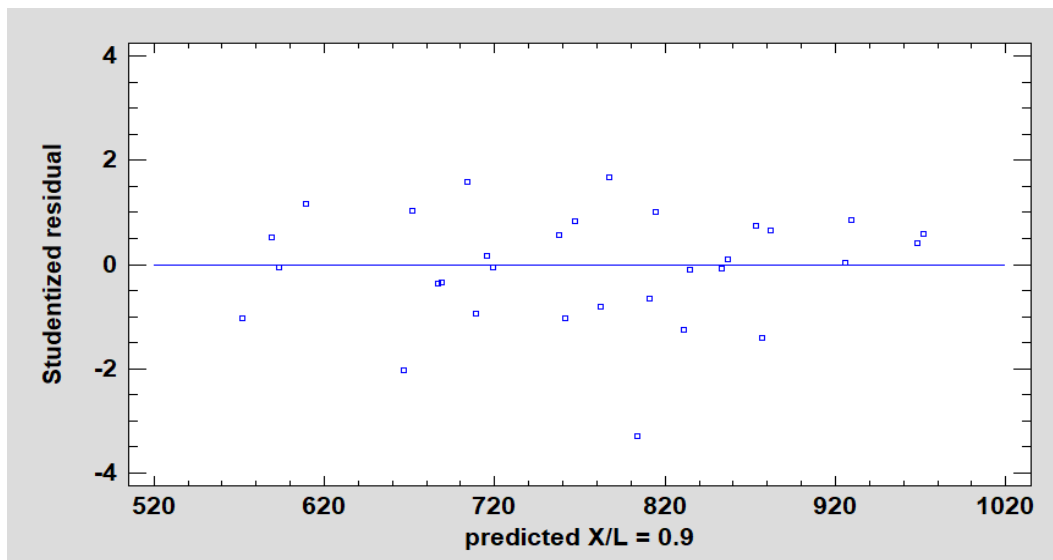
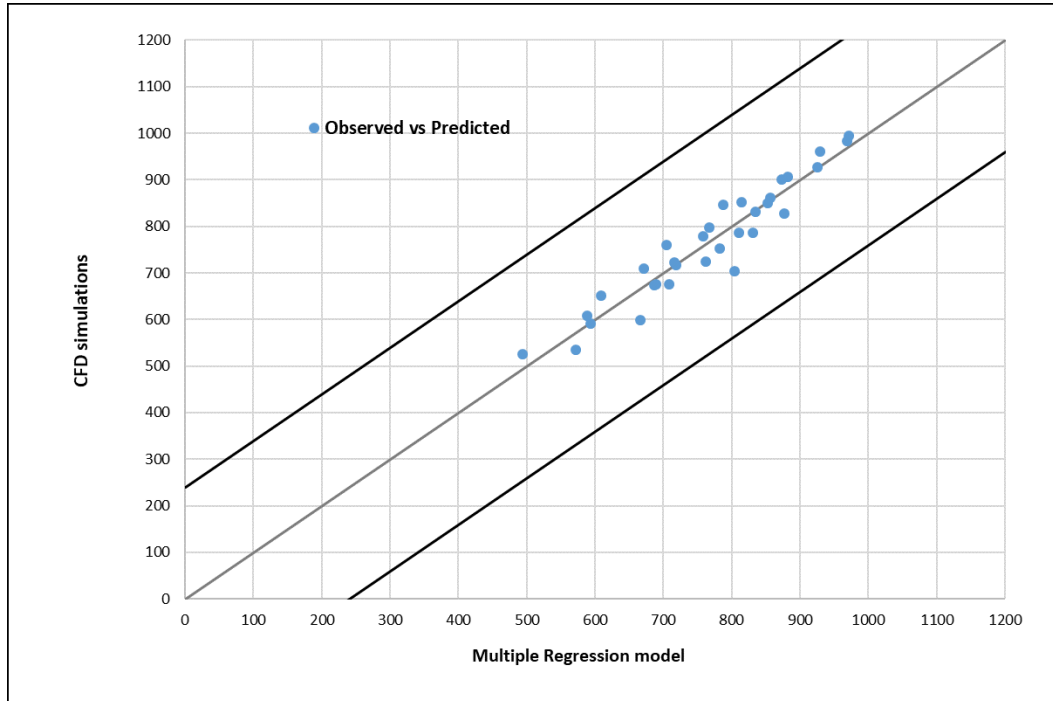


Model	Observed	Predicted	Residual	Studentized Res.
31	612.6 °C	681.1 °C	-68.5 °C	-2.36



X/L = 0.9 – BOTTOM FLANGE

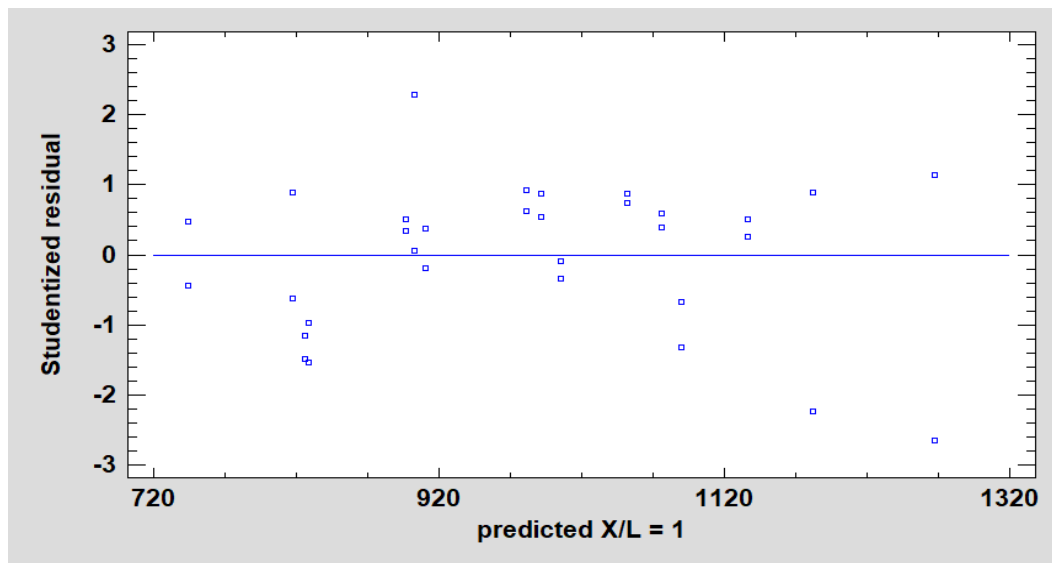
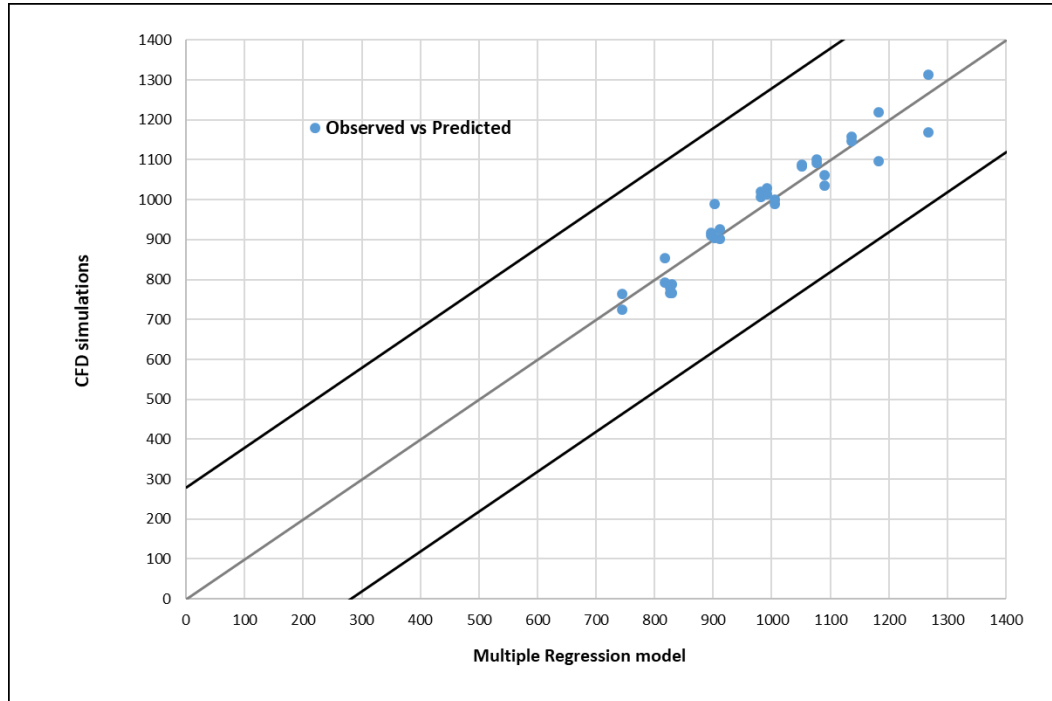
Model	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
1	0	23.4 m	24 m	5 m	2400 kW/m2	830.4 °C	834.4 °C
2	0	23.4 m	24 m	5 m	1800 kW/m2	717.3 °C	719.1 °C
5	0	23.4 m	24 m	9 m	2400 kW/m2	673.6 °C	687.0 °C
6	0	23.4 m	24 m	9 m	1800 kW/m2	534.2 °C	571.8 °C
9	0	23.4 m	16 m	5 m	2400 kW/m2	960.3 °C	929.5 °C
10	0	23.4 m	16 m	5 m	1800 kW/m2	851.0 °C	814.3 °C
13	0	23.4 m	16 m	9 m	2400 kW/m2	752.4 °C	782.2 °C
14	0	23.4 m	16 m	9 m	1800 kW/m2	597.9 °C	666.9 °C
17	0	13.0 m	24 m	5 m	2400 kW/m2	826.7 °C	876.8 °C
18	0	13.0 m	24 m	5 m	1800 kW/m2	724.3 °C	761.6 °C
21	0	13.0 m	24 m	9 m	2400 kW/m2	650.6 °C	608.9 °C
22	0	13.0 m	24 m	9 m	1800 kW/m2	526.2 °C	493.7 °C
25	0	13.0 m	16 m	5 m	2400 kW/m2	993.8 °C	971.9 °C
26	0	13.0 m	16 m	5 m	1800 kW/m2	860.4 °C	856.7 °C
29	0	13.0 m	16 m	9 m	2400 kW/m2	760.2 °C	704.1 °C
30	0	13.0 m	16 m	9 m	1800 kW/m2	608.1 °C	588.8 °C
33	1	23.4 m	24 m	5 m	2400 kW/m2	786.0 °C	830.8 °C
34	1	23.4 m	24 m	5 m	1800 kW/m2	722.0 °C	715.6 °C
37	1	23.4 m	24 m	9 m	2400 kW/m2	845.3 °C	787.0 °C
38	1	23.4 m	24 m	9 m	1800 kW/m2	709.0 °C	671.8 °C
41	1	23.4 m	16 m	5 m	2400 kW/m2	926.9 °C	925.9 °C
42	1	23.4 m	16 m	5 m	1800 kW/m2	786.3 °C	810.7 °C
45	1	23.4 m	16 m	9 m	2400 kW/m2	906.0 °C	882.2 °C
46	1	23.4 m	16 m	9 m	1800 kW/m2	797.2 °C	766.9 °C
49	1	13.0 m	24 m	5 m	2400 kW/m2	900.8 °C	873.2 °C
50	1	13.0 m	24 m	5 m	1800 kW/m2	779.2 °C	758.0 °C
53	1	13.0 m	24 m	9 m	2400 kW/m2	674.7 °C	708.9 °C
54	1	13.0 m	24 m	9 m	1800 kW/m2	591.9 °C	593.7 °C
57	1	13.0 m	16 m	5 m	2400 kW/m2	983.9 °C	968.4 °C
58	1	13.0 m	16 m	5 m	1800 kW/m2	850.6 °C	853.1 °C
61	1	13.0 m	16 m	9 m	2400 kW/m2	703.5 °C	804.1 °C
62	1	13.0 m	16 m	9 m	1800 kW/m2	675.7 °C	688.8 °C



Model	Observed	Predicted	Residual	Studentized Res.
14	597.9 °C	666.9 °C	-69.0 °C	-2.02
61	703.5 °C	804.1 °C	-100.6 °C	-3.29

X/L = 1 – BOTTOM FLANGE

Model	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
1	0	23.4 m	24 m	5 m	2400 kW/m ²	1158.0 °C	1136.6 °C
2	0	23.4 m	24 m	5 m	1800 kW/m ²	1088.4 °C	1051.7 °C
5	0	23.4 m	24 m	9 m	2400 kW/m ²	926.8 °C	910.9 °C
6	0	23.4 m	24 m	9 m	1800 kW/m ²	778.3 °C	826.0 °C
9	0	23.4 m	16 m	5 m	2400 kW/m ²	1147.7 °C	1136.6 °C
10	0	23.4 m	16 m	5 m	1800 kW/m ²	1082.9 °C	1051.7 °C
13	0	23.4 m	16 m	9 m	2400 kW/m ²	902.5 °C	910.9 °C
14	0	23.4 m	16 m	9 m	1800 kW/m ²	765.6 °C	826.0 °C
17	0	13.0 m	24 m	5 m	2400 kW/m ²	1168.4 °C	1266.9 °C
18	0	13.0 m	24 m	5 m	1800 kW/m ²	1096.2 °C	1182.1 °C
21	0	13.0 m	24 m	9 m	2400 kW/m ²	904.9 °C	902.6 °C
22	0	13.0 m	24 m	9 m	1800 kW/m ²	791.6 °C	817.8 °C
25	0	13.0 m	16 m	5 m	2400 kW/m ²	1313.9 °C	1266.9 °C
26	0	13.0 m	16 m	5 m	1800 kW/m ²	1218.9 °C	1182.1 °C
29	0	13.0 m	16 m	9 m	2400 kW/m ²	990.2 °C	902.6 °C
30	0	13.0 m	16 m	9 m	1800 kW/m ²	854.7 °C	817.8 °C
33	1	23.4 m	24 m	5 m	2400 kW/m ²	1035.9 °C	1089.8 °C
34	1	23.4 m	24 m	5 m	1800 kW/m ²	1001.0 °C	1004.9 °C
37	1	23.4 m	24 m	9 m	2400 kW/m ²	1019.6 °C	981.3 °C
38	1	23.4 m	24 m	9 m	1800 kW/m ²	911.0 °C	896.5 °C
41	1	23.4 m	16 m	5 m	2400 kW/m ²	1061.5 °C	1089.8 °C
42	1	23.4 m	16 m	5 m	1800 kW/m ²	990.5 °C	1004.9 °C
45	1	23.4 m	16 m	9 m	2400 kW/m ²	1007.8 °C	981.3 °C
46	1	23.4 m	16 m	9 m	1800 kW/m ²	917.8 °C	896.5 °C
49	1	13.0 m	24 m	5 m	2400 kW/m ²	1100.9 °C	1076.1 °C
50	1	13.0 m	24 m	5 m	1800 kW/m ²	1028.0 °C	991.2 °C
53	1	13.0 m	24 m	9 m	2400 kW/m ²	788.7 °C	829.0 °C
54	1	13.0 m	24 m	9 m	1800 kW/m ²	725.7 °C	744.2 °C
57	1	13.0 m	16 m	5 m	2400 kW/m ²	1092.5 °C	1076.1 °C
58	1	13.0 m	16 m	5 m	1800 kW/m ²	1013.8 °C	991.2 °C
61	1	13.0 m	16 m	9 m	2400 kW/m ²	767.0 °C	829.0 °C
62	1	13.0 m	16 m	9 m	1800 kW/m ²	764.5 °C	744.2 °C

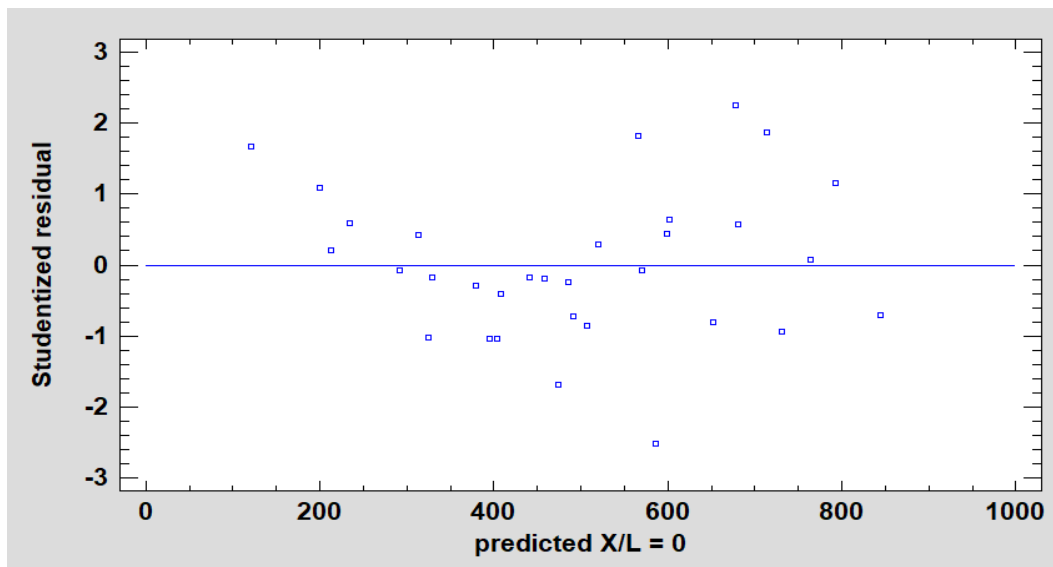
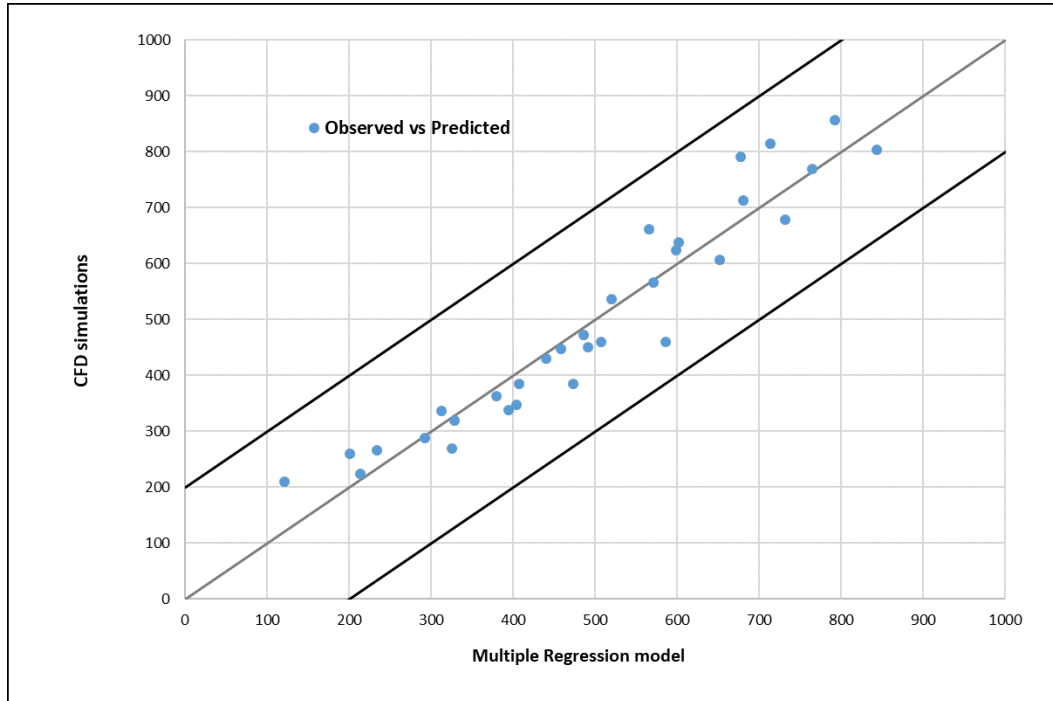


Model	Observed	Predicted	Residual	Studentized Res.
17	1168.4 °C	1266.9 °C	-98.5 °C	-2.65
18	1096.2 °C	1182.1 °C	-85.9 °C	-2.23
29	990.2 °C	902.6 °C	87.6 °C	2.29



X/L = 0 – WEB

Model	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
1	0	23.4 m	24 m	5 m	2400 kW/m ²	447.7 °C	458.5 °C
2	0	23.4 m	24 m	5 m	1800 kW/m ²	362.6 °C	379.5 °C
5	0	23.4 m	24 m	9 m	2400 kW/m ²	287.8 °C	292.3 °C
6	0	23.4 m	24 m	9 m	1800 kW/m ²	224.4 °C	213.2 °C
9	0	23.4 m	16 m	5 m	2400 kW/m ²	566.8 °C	570.8 °C
10	0	23.4 m	16 m	5 m	1800 kW/m ²	450.9 °C	491.7 °C
13	0	23.4 m	16 m	9 m	2400 kW/m ²	347.8 °C	404.5 °C
14	0	23.4 m	16 m	9 m	1800 kW/m ²	269.6 °C	325.4 °C
17	0	13.0 m	24 m	5 m	2400 kW/m ²	384.9 °C	407.6 °C
18	0	13.0 m	24 m	5 m	1800 kW/m ²	318.7 °C	328.6 °C
21	0	13.0 m	24 m	9 m	2400 kW/m ²	260.2 °C	200.6 °C
22	0	13.0 m	24 m	9 m	1800 kW/m ²	209.6 °C	121.6 °C
25	0	13.0 m	16 m	5 m	2400 kW/m ²	536.8 °C	519.8 °C
26	0	13.0 m	16 m	5 m	1800 kW/m ²	430.4 °C	440.8 °C
29	0	13.0 m	16 m	9 m	2400 kW/m ²	336.6 °C	312.9 °C
30	0	13.0 m	16 m	9 m	1800 kW/m ²	266.8 °C	233.8 °C
33	1	23.4 m	24 m	5 m	2400 kW/m ²	678.8 °C	731.6 °C
34	1	23.4 m	24 m	5 m	1800 kW/m ²	607.0 °C	652.6 °C
37	1	23.4 m	24 m	9 m	2400 kW/m ²	660.8 °C	565.4 °C
38	1	23.4 m	24 m	9 m	1800 kW/m ²	472.6 °C	486.3 °C
41	1	23.4 m	16 m	5 m	2400 kW/m ²	804.0 °C	843.9 °C
42	1	23.4 m	16 m	5 m	1800 kW/m ²	769.0 °C	764.8 °C
45	1	23.4 m	16 m	9 m	2400 kW/m ²	791.8 °C	677.6 °C
46	1	23.4 m	16 m	9 m	1800 kW/m ²	623.2 °C	598.5 °C
49	1	13.0 m	24 m	5 m	2400 kW/m ²	713.3 °C	680.7 °C
50	1	13.0 m	24 m	5 m	1800 kW/m ²	637.8 °C	601.7 °C
53	1	13.0 m	24 m	9 m	2400 kW/m ²	384.5 °C	473.7 °C
54	1	13.0 m	24 m	9 m	1800 kW/m ²	337.8 °C	394.7 °C
57	1	13.0 m	16 m	5 m	2400 kW/m ²	856.7 °C	793.0 °C
58	1	13.0 m	16 m	5 m	1800 kW/m ²	813.9 °C	713.9 °C
61	1	13.0 m	16 m	9 m	2400 kW/m ²	460.4 °C	586.0 °C
62	1	13.0 m	16 m	9 m	1800 kW/m ²	459.6 °C	506.9 °C

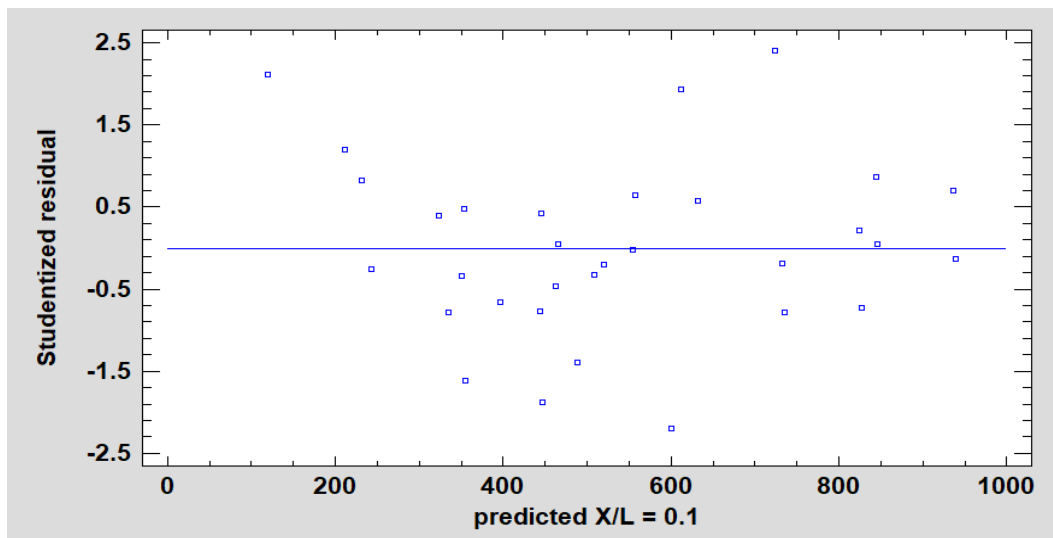
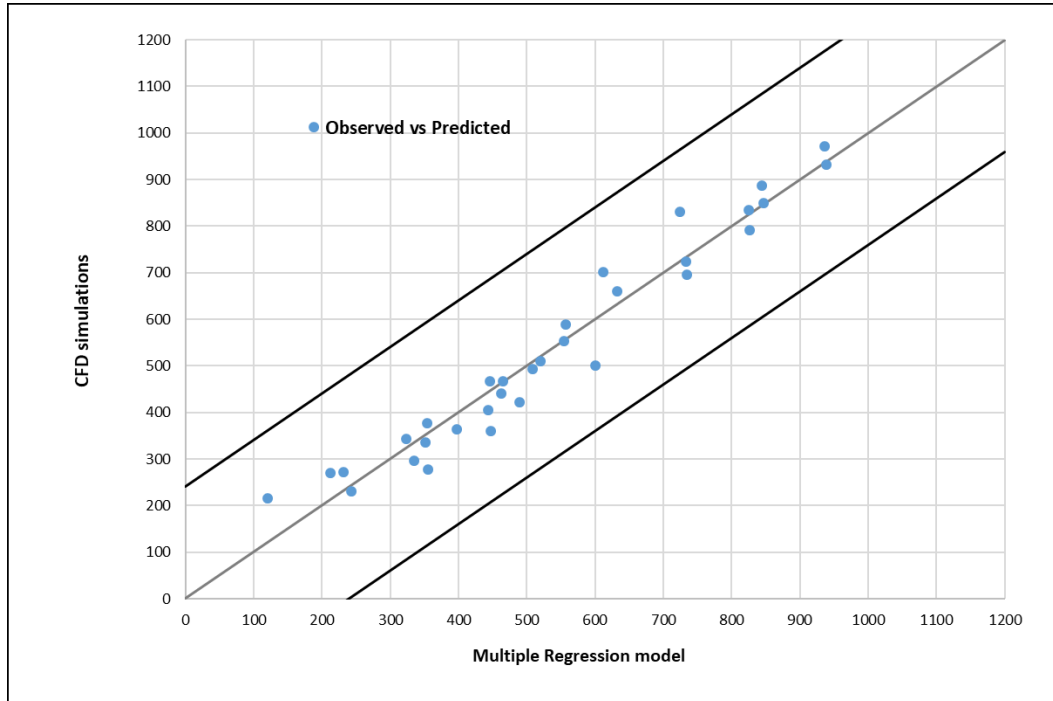


Model	Observed	Predicted	Residual	Studentized Res.
45	791.8 °C	677.6 °C	114.2 °C	2.25
61	460.4 °C	586.0 °C	-125.5 °C	-2.52



X/L = 0.1 – WEB

Model	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
1	0	23.4 m	24 m	5 m	2400 kW/m2	466.4 °C	445.4 °C
2	0	23.4 m	24 m	5 m	1800 kW/m2	376.8 °C	353.4 °C
5	0	23.4 m	24 m	9 m	2400 kW/m2	296.3 °C	335.1 °C
6	0	23.4 m	24 m	9 m	1800 kW/m2	230.4 °C	243.1 °C
9	0	23.4 m	16 m	5 m	2400 kW/m2	588.9 °C	557.0 °C
10	0	23.4 m	16 m	5 m	1800 kW/m2	467.2 °C	465.0 °C
13	0	23.4 m	16 m	9 m	2400 kW/m2	359.9 °C	446.7 °C
14	0	23.4 m	16 m	9 m	1800 kW/m2	278.4 °C	354.7 °C
17	0	13.0 m	24 m	5 m	2400 kW/m2	405.5 °C	443.3 °C
18	0	13.0 m	24 m	5 m	1800 kW/m2	334.7 °C	351.3 °C
21	0	13.0 m	24 m	9 m	2400 kW/m2	269.9 °C	211.8 °C
22	0	13.0 m	24 m	9 m	1800 kW/m2	216.1 °C	119.8 °C
25	0	13.0 m	16 m	5 m	2400 kW/m2	553.8 °C	554.9 °C
26	0	13.0 m	16 m	5 m	1800 kW/m2	440.0 °C	462.9 °C
29	0	13.0 m	16 m	9 m	2400 kW/m2	343.2 °C	323.4 °C
30	0	13.0 m	16 m	9 m	1800 kW/m2	271.6 °C	231.4 °C
33	1	23.4 m	24 m	5 m	2400 kW/m2	791.3 °C	827.0 °C
34	1	23.4 m	24 m	5 m	1800 kW/m2	696.3 °C	735.0 °C
37	1	23.4 m	24 m	9 m	2400 kW/m2	701.8 °C	612.5 °C
38	1	23.4 m	24 m	9 m	1800 kW/m2	510.5 °C	520.5 °C
41	1	23.4 m	16 m	5 m	2400 kW/m2	932.1 °C	938.6 °C
42	1	23.4 m	16 m	5 m	1800 kW/m2	849.1 °C	846.6 °C
45	1	23.4 m	16 m	9 m	2400 kW/m2	831.1 °C	724.1 °C
46	1	23.4 m	16 m	9 m	1800 kW/m2	660.2 °C	632.1 °C
49	1	13.0 m	24 m	5 m	2400 kW/m2	835.3 °C	824.9 °C
50	1	13.0 m	24 m	5 m	1800 kW/m2	723.7 °C	732.9 °C
53	1	13.0 m	24 m	9 m	2400 kW/m2	422.5 °C	489.1 °C
54	1	13.0 m	24 m	9 m	1800 kW/m2	364.6 °C	397.2 °C
57	1	13.0 m	16 m	5 m	2400 kW/m2	971.2 °C	936.5 °C
58	1	13.0 m	16 m	5 m	1800 kW/m2	887.0 °C	844.5 °C
61	1	13.0 m	16 m	9 m	2400 kW/m2	501.5 °C	600.7 °C
62	1	13.0 m	16 m	9 m	1800 kW/m2	492.7 °C	508.8 °C

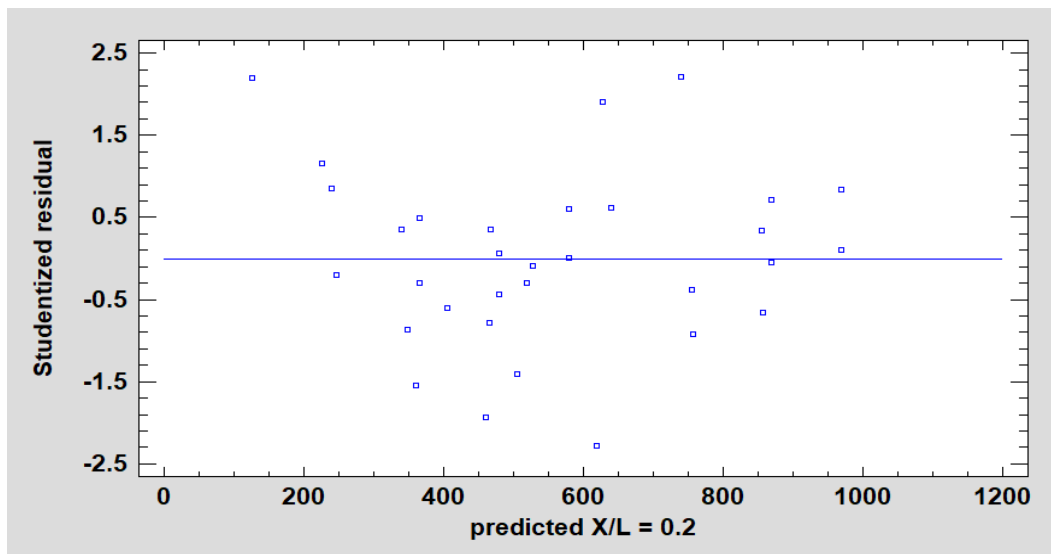
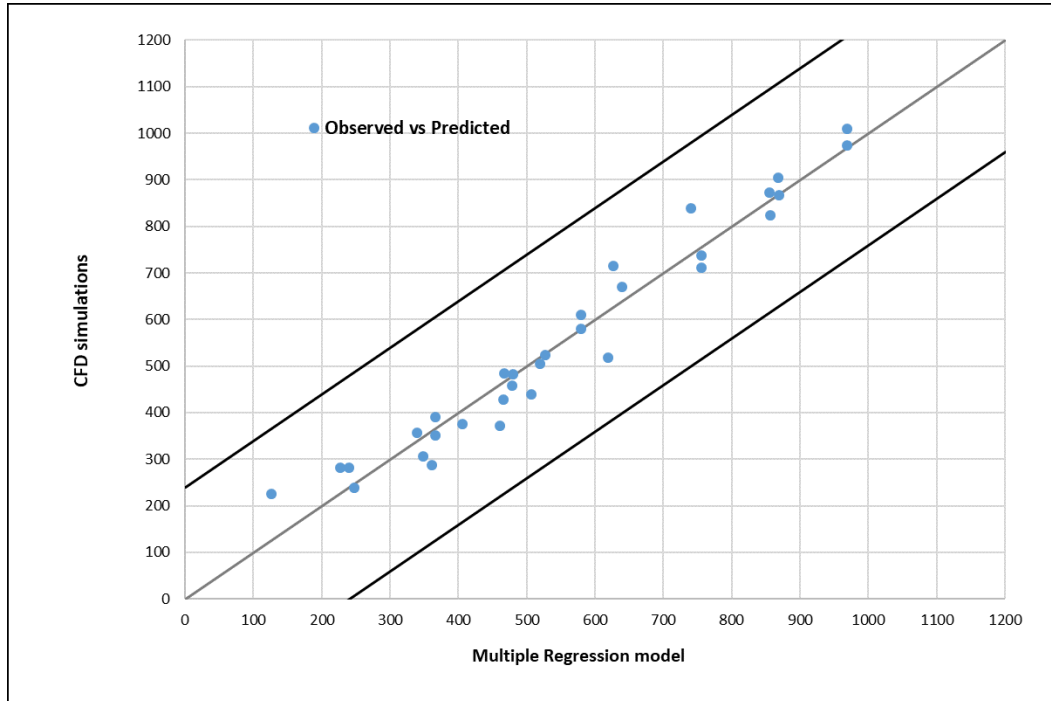


Model	Observed	Predicted	Residual	Studentized Res.
22	216.1 °C	119.8 °C	96.3 °C	2.12
45	831.1 °C	724.1 °C	107.0 °C	2.41
61	501.5 °C	600.7 °C	-99.3 °C	-2.19



X/L = 0.2 – WEB

Model	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
1	0	23.4 m	24 m	5 m	2400 kW/m2	484.2 °C	466.6 °C
2	0	23.4 m	24 m	5 m	1800 kW/m2	390.7 °C	366.6 °C
5	0	23.4 m	24 m	9 m	2400 kW/m2	306.0 °C	347.8 °C
6	0	23.4 m	24 m	9 m	1800 kW/m2	238.1 °C	247.7 °C
9	0	23.4 m	16 m	5 m	2400 kW/m2	609.1 °C	579.5 °C
10	0	23.4 m	16 m	5 m	1800 kW/m2	482.3 °C	479.5 °C
13	0	23.4 m	16 m	9 m	2400 kW/m2	372.0 °C	460.7 °C
14	0	23.4 m	16 m	9 m	1800 kW/m2	288.0 °C	360.6 °C
17	0	13.0 m	24 m	5 m	2400 kW/m2	428.4 °C	466.3 °C
18	0	13.0 m	24 m	5 m	1800 kW/m2	351.7 °C	366.2 °C
21	0	13.0 m	24 m	9 m	2400 kW/m2	282.4 °C	226.8 °C
22	0	13.0 m	24 m	9 m	1800 kW/m2	225.1 °C	126.8 °C
25	0	13.0 m	16 m	5 m	2400 kW/m2	579.2 °C	579.2 °C
26	0	13.0 m	16 m	5 m	1800 kW/m2	457.5 °C	479.1 °C
29	0	13.0 m	16 m	9 m	2400 kW/m2	356.8 °C	339.7 °C
30	0	13.0 m	16 m	9 m	1800 kW/m2	281.2 °C	239.7 °C
33	1	23.4 m	24 m	5 m	2400 kW/m2	823.8 °C	856.1 °C
34	1	23.4 m	24 m	5 m	1800 kW/m2	711.4 °C	756.0 °C
37	1	23.4 m	24 m	9 m	2400 kW/m2	714.5 °C	627.0 °C
38	1	23.4 m	24 m	9 m	1800 kW/m2	522.8 °C	527.0 °C
41	1	23.4 m	16 m	5 m	2400 kW/m2	974.4 °C	969.0 °C
42	1	23.4 m	16 m	5 m	1800 kW/m2	866.4 °C	868.9 °C
45	1	23.4 m	16 m	9 m	2400 kW/m2	839.0 °C	739.9 °C
46	1	23.4 m	16 m	9 m	1800 kW/m2	670.1 °C	639.9 °C
49	1	13.0 m	24 m	5 m	2400 kW/m2	872.3 °C	855.7 °C
50	1	13.0 m	24 m	5 m	1800 kW/m2	737.2 °C	755.6 °C
53	1	13.0 m	24 m	9 m	2400 kW/m2	439.5 °C	506.1 °C
54	1	13.0 m	24 m	9 m	1800 kW/m2	376.3 °C	406.0 °C
57	1	13.0 m	16 m	5 m	2400 kW/m2	1009.3 °C	968.6 °C
58	1	13.0 m	16 m	5 m	1800 kW/m2	903.7 °C	868.5 °C
61	1	13.0 m	16 m	9 m	2400 kW/m2	517.3 °C	619.0 °C
62	1	13.0 m	16 m	9 m	1800 kW/m2	504.5 °C	518.9 °C

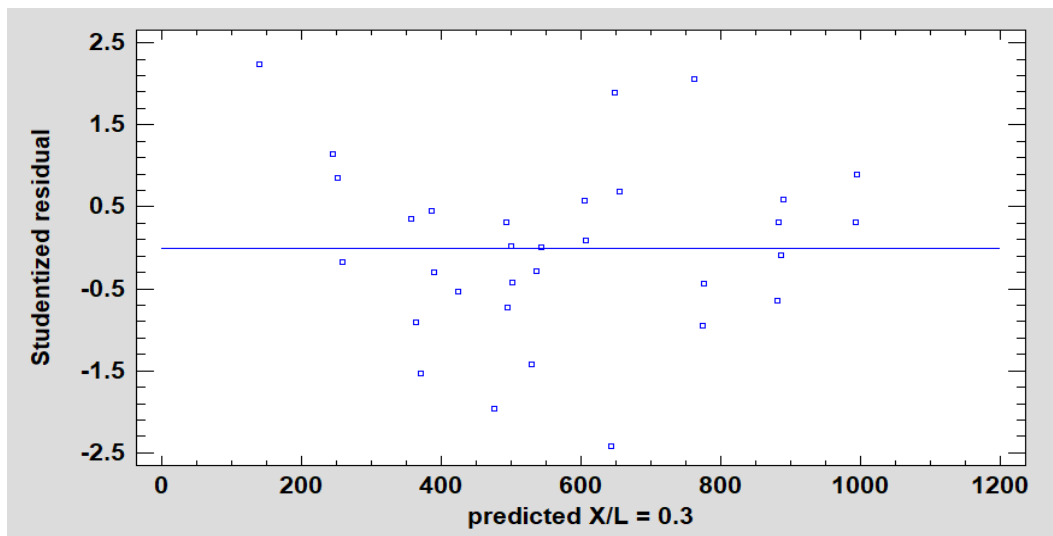
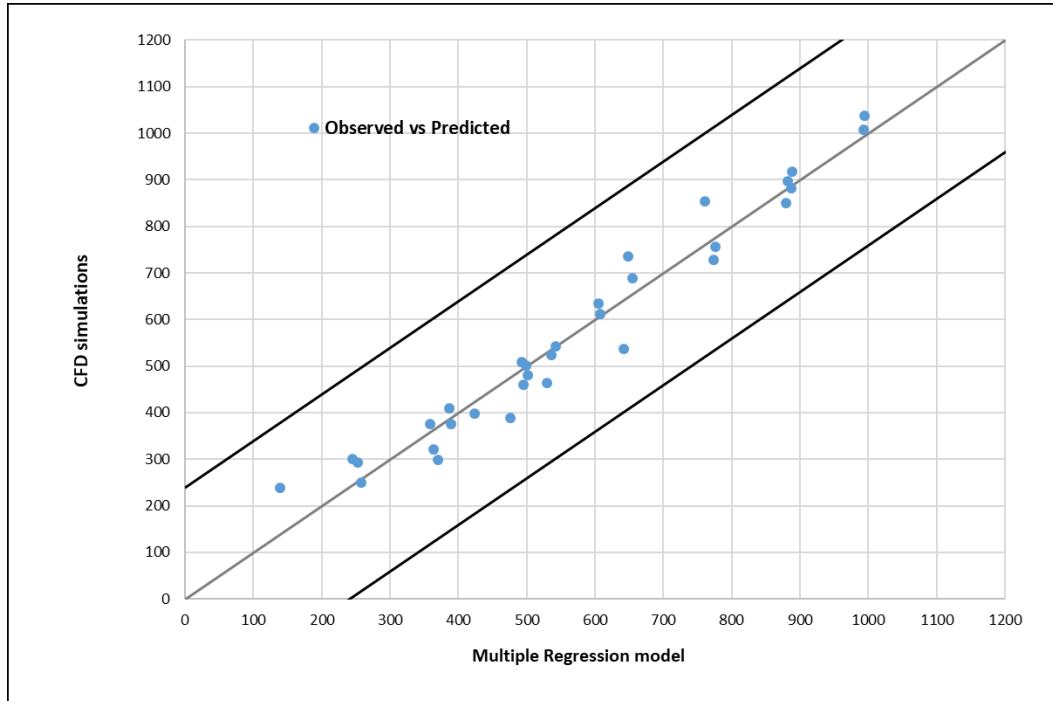


Model	Observed	Predicted	Residual	Studentized Res.
22	225.2 °C	126.8 °C	98.4 °C	2.2
45	839.0 °C	739.9 °C	99.0 °C	2.21
61	517.3 °C	619.0 °C	-101.7 °C	-2.29



X/L = 0.3 – WEB

Model	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
1	0	23.4 m	24 m	5 m	2400 kW/m2	508.0 °C	493.0 °C
2	0	23.4 m	24 m	5 m	1800 kW/m2	408.9 °C	387.1 °C
5	0	23.4 m	24 m	9 m	2400 kW/m2	320.6 °C	364.2 °C
6	0	23.4 m	24 m	9 m	1800 kW/m2	249.4 °C	258.2 °C
9	0	23.4 m	16 m	5 m	2400 kW/m2	633.4 °C	605.5 °C
10	0	23.4 m	16 m	5 m	1800 kW/m2	500.5 °C	499.5 °C
13	0	23.4 m	16 m	9 m	2400 kW/m2	387.6 °C	476.6 °C
14	0	23.4 m	16 m	9 m	1800 kW/m2	299.4 °C	370.7 °C
17	0	13.0 m	24 m	5 m	2400 kW/m2	460.2 °C	495.2 °C
18	0	13.0 m	24 m	5 m	1800 kW/m2	374.9 °C	389.2 °C
21	0	13.0 m	24 m	9 m	2400 kW/m2	300.2 °C	245.5 °C
22	0	13.0 m	24 m	9 m	1800 kW/m2	239.0 °C	139.6 °C
25	0	13.0 m	16 m	5 m	2400 kW/m2	611.8 °C	607.6 °C
26	0	13.0 m	16 m	5 m	1800 kW/m2	481.3 °C	501.7 °C
29	0	13.0 m	16 m	9 m	2400 kW/m2	375.2 °C	358.0 °C
30	0	13.0 m	16 m	9 m	1800 kW/m2	293.4 °C	252.0 °C
33	1	23.4 m	24 m	5 m	2400 kW/m2	849.1 °C	880.1 °C
34	1	23.4 m	24 m	5 m	1800 kW/m2	728.6 °C	774.2 °C
37	1	23.4 m	24 m	9 m	2400 kW/m2	735.3 °C	648.8 °C
38	1	23.4 m	24 m	9 m	1800 kW/m2	543.0 °C	542.9 °C
41	1	23.4 m	16 m	5 m	2400 kW/m2	1007.6 °C	992.6 °C
42	1	23.4 m	16 m	5 m	1800 kW/m2	882.5 °C	886.6 °C
45	1	23.4 m	16 m	9 m	2400 kW/m2	854.0 °C	761.3 °C
46	1	23.4 m	16 m	9 m	1800 kW/m2	688.6 °C	655.3 °C
49	1	13.0 m	24 m	5 m	2400 kW/m2	897.4 °C	882.3 °C
50	1	13.0 m	24 m	5 m	1800 kW/m2	755.3 °C	776.3 °C
53	1	13.0 m	24 m	9 m	2400 kW/m2	463.2 °C	530.2 °C
54	1	13.0 m	24 m	9 m	1800 kW/m2	398.2 °C	424.2 °C
57	1	13.0 m	16 m	5 m	2400 kW/m2	1037.7 °C	994.7 °C
58	1	13.0 m	16 m	5 m	1800 kW/m2	917.5 °C	888.8 °C
61	1	13.0 m	16 m	9 m	2400 kW/m2	537.0 °C	642.6 °C
62	1	13.0 m	16 m	9 m	1800 kW/m2	522.7 °C	536.7 °C

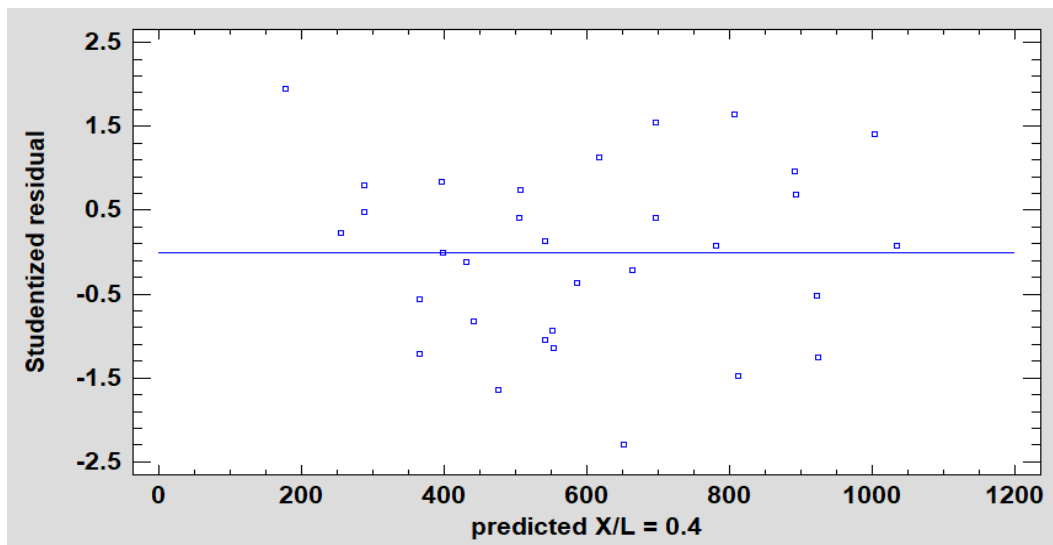
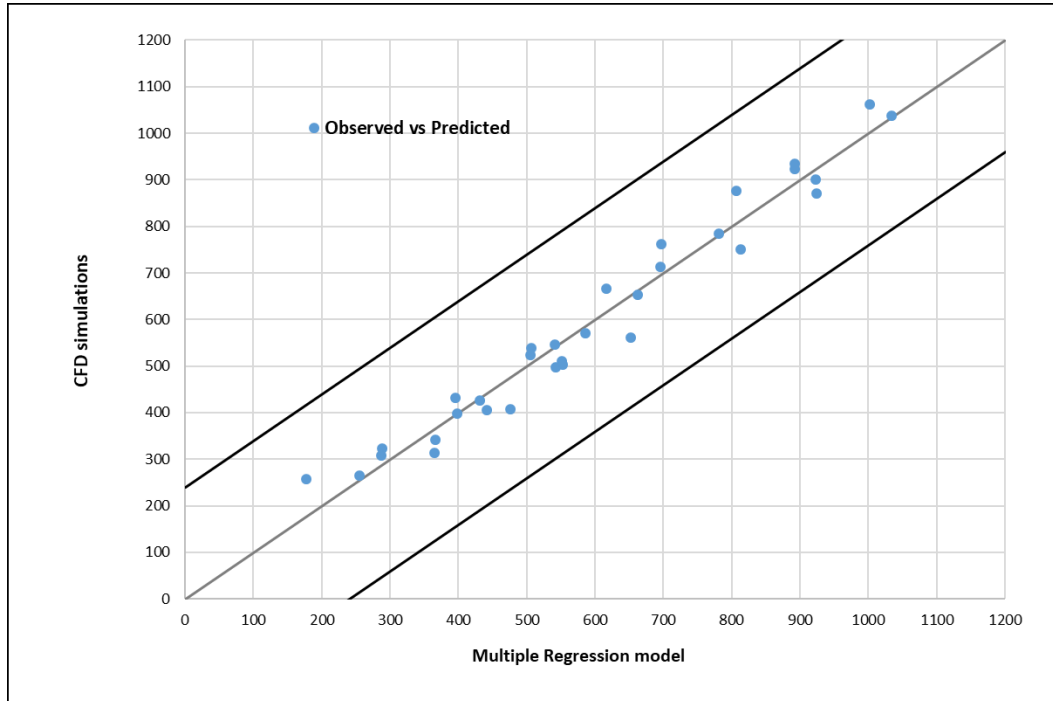


Model	Observed	Predicted	Residual	Studentized Res.
22	239.0 °C	139.6 °C	99.4 °C	2.24
45	854.0 °C	761.3 °C	92.7 °C	2.06
61	537.0 °C	642.6 °C	-105.6 °C	-2.42



X/L = 0.4 – WEB

Model	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
1	0	23.4 m	24 m	5 m	2400 kW/m2	539.2 °C	506.9 °C
2	0	23.4 m	24 m	5 m	1800 kW/m2	432.4 °C	395.9 °C
5	0	23.4 m	24 m	9 m	2400 kW/m2	341.3 °C	366.2 °C
6	0	23.4 m	24 m	9 m	1800 kW/m2	265.2 °C	255.3 °C
9	0	23.4 m	16 m	5 m	2400 kW/m2	665.5 °C	617.0 °C
10	0	23.4 m	16 m	5 m	1800 kW/m2	524.1 °C	506.0 °C
13	0	23.4 m	16 m	9 m	2400 kW/m2	407.6 °C	476.3 °C
14	0	23.4 m	16 m	9 m	1800 kW/m2	313.5 °C	365.3 °C
17	0	13.0 m	24 m	5 m	2400 kW/m2	503.5 °C	552.8 °C
18	0	13.0 m	24 m	5 m	1800 kW/m2	405.9 °C	441.8 °C
21	0	13.0 m	24 m	9 m	2400 kW/m2	323.2 °C	288.5 °C
22	0	13.0 m	24 m	9 m	1800 kW/m2	257.3 °C	177.5 °C
25	0	13.0 m	16 m	5 m	2400 kW/m2	653.2 °C	662.9 °C
26	0	13.0 m	16 m	5 m	1800 kW/m2	511.3 °C	551.9 °C
29	0	13.0 m	16 m	9 m	2400 kW/m2	398.6 °C	398.6 °C
30	0	13.0 m	16 m	9 m	1800 kW/m2	308.7 °C	287.6 °C
33	1	23.4 m	24 m	5 m	2400 kW/m2	870.1 °C	923.6 °C
34	1	23.4 m	24 m	5 m	1800 kW/m2	750.3 °C	812.7 °C
37	1	23.4 m	24 m	9 m	2400 kW/m2	761.8 °C	696.7 °C
38	1	23.4 m	24 m	9 m	1800 kW/m2	569.8 °C	585.8 °C
41	1	23.4 m	16 m	5 m	2400 kW/m2	1037.0 °C	1033.7 °C
42	1	23.4 m	16 m	5 m	1800 kW/m2	899.7 °C	922.7 °C
45	1	23.4 m	16 m	9 m	2400 kW/m2	875.3 °C	806.8 °C
46	1	23.4 m	16 m	9 m	1800 kW/m2	713.7 °C	695.9 °C
49	1	13.0 m	24 m	5 m	2400 kW/m2	922.9 °C	892.5 °C
50	1	13.0 m	24 m	5 m	1800 kW/m2	785.0 °C	781.6 °C
53	1	13.0 m	24 m	9 m	2400 kW/m2	496.8 °C	542.0 °C
54	1	13.0 m	24 m	9 m	1800 kW/m2	426.1 °C	431.1 °C
57	1	13.0 m	16 m	5 m	2400 kW/m2	1062.3 °C	1002.6 °C
58	1	13.0 m	16 m	5 m	1800 kW/m2	933.7 °C	891.7 °C
61	1	13.0 m	16 m	9 m	2400 kW/m2	560.9 °C	652.1 °C
62	1	13.0 m	16 m	9 m	1800 kW/m2	547.1 °C	541.1 °C

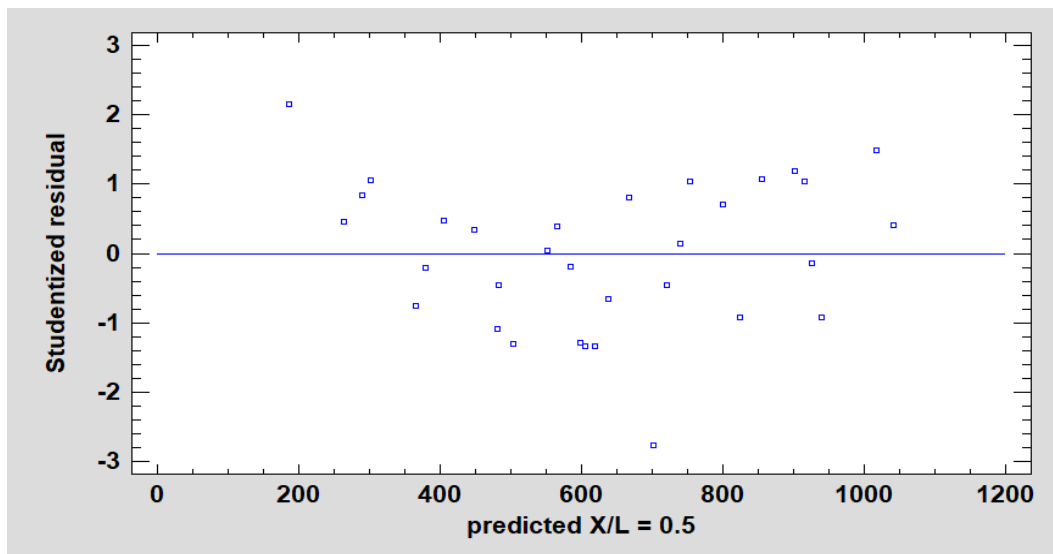
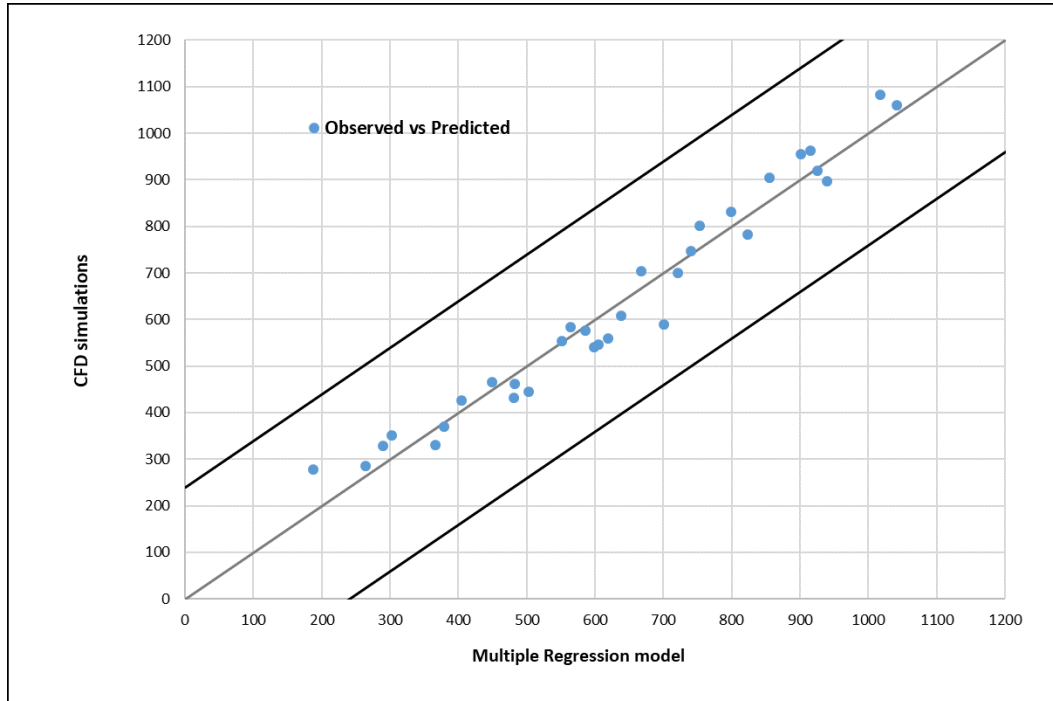


Model	Observed	Predicted	Residual	Studentized Res.
61	560.9 °C	652.1 °C	-91.2 °C	-2.29



X/L = 0.5 – WEB

Model	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
1	0	23.4 m	24 m	5 m	2400 kW/m2	582.9 °C	564.8 °C
2	0	23.4 m	24 m	5 m	1800 kW/m2	464.7 °C	449.0 °C
5	0	23.4 m	24 m	9 m	2400 kW/m2	369.3 °C	379.3 °C
6	0	23.4 m	24 m	9 m	1800 kW/m2	284.9 °C	263.5 °C
9	0	23.4 m	16 m	5 m	2400 kW/m2	703.5 °C	667.0 °C
10	0	23.4 m	16 m	5 m	1800 kW/m2	552.9 °C	551.2 °C
13	0	23.4 m	16 m	9 m	2400 kW/m2	432.5 °C	481.5 °C
14	0	23.4 m	16 m	9 m	1800 kW/m2	331.2 °C	365.7 °C
17	0	13.0 m	24 m	5 m	2400 kW/m2	559.2 °C	618.9 °C
18	0	13.0 m	24 m	5 m	1800 kW/m2	444.7 °C	503.2 °C
21	0	13.0 m	24 m	9 m	2400 kW/m2	350.5 °C	302.8 °C
22	0	13.0 m	24 m	9 m	1800 kW/m2	278.3 °C	187.0 °C
25	0	13.0 m	16 m	5 m	2400 kW/m2	699.9 °C	721.1 °C
26	0	13.0 m	16 m	5 m	1800 kW/m2	545.6 °C	605.3 °C
29	0	13.0 m	16 m	9 m	2400 kW/m2	426.6 °C	405.0 °C
30	0	13.0 m	16 m	9 m	1800 kW/m2	327.8 °C	289.2 °C
33	1	23.4 m	24 m	5 m	2400 kW/m2	896.9 °C	939.0 °C
34	1	23.4 m	24 m	5 m	1800 kW/m2	781.5 °C	823.2 °C
37	1	23.4 m	24 m	9 m	2400 kW/m2	800.3 °C	753.5 °C
38	1	23.4 m	24 m	9 m	1800 kW/m2	607.9 °C	637.7 °C
41	1	23.4 m	16 m	5 m	2400 kW/m2	1059.6 °C	1041.2 °C
42	1	23.4 m	16 m	5 m	1800 kW/m2	918.6 °C	925.4 °C
45	1	23.4 m	16 m	9 m	2400 kW/m2	904.5 °C	855.7 °C
46	1	23.4 m	16 m	9 m	1800 kW/m2	746.2 °C	739.9 °C
49	1	13.0 m	24 m	5 m	2400 kW/m2	962.3 °C	915.0 °C
50	1	13.0 m	24 m	5 m	1800 kW/m2	831.7 °C	799.2 °C
53	1	13.0 m	24 m	9 m	2400 kW/m2	540.9 °C	598.9 °C
54	1	13.0 m	24 m	9 m	1800 kW/m2	461.9 °C	483.1 °C
57	1	13.0 m	16 m	5 m	2400 kW/m2	1083.0 °C	1017.2 °C
58	1	13.0 m	16 m	5 m	1800 kW/m2	954.9 °C	901.4 °C
61	1	13.0 m	16 m	9 m	2400 kW/m2	589.7 °C	701.0 °C
62	1	13.0 m	16 m	9 m	1800 kW/m2	576.6 °C	585.3 °C

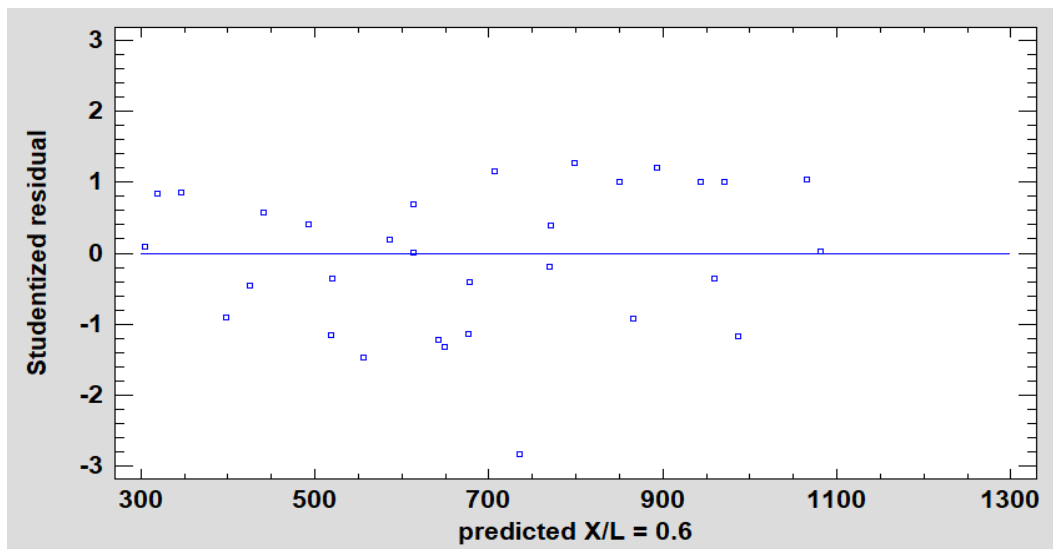
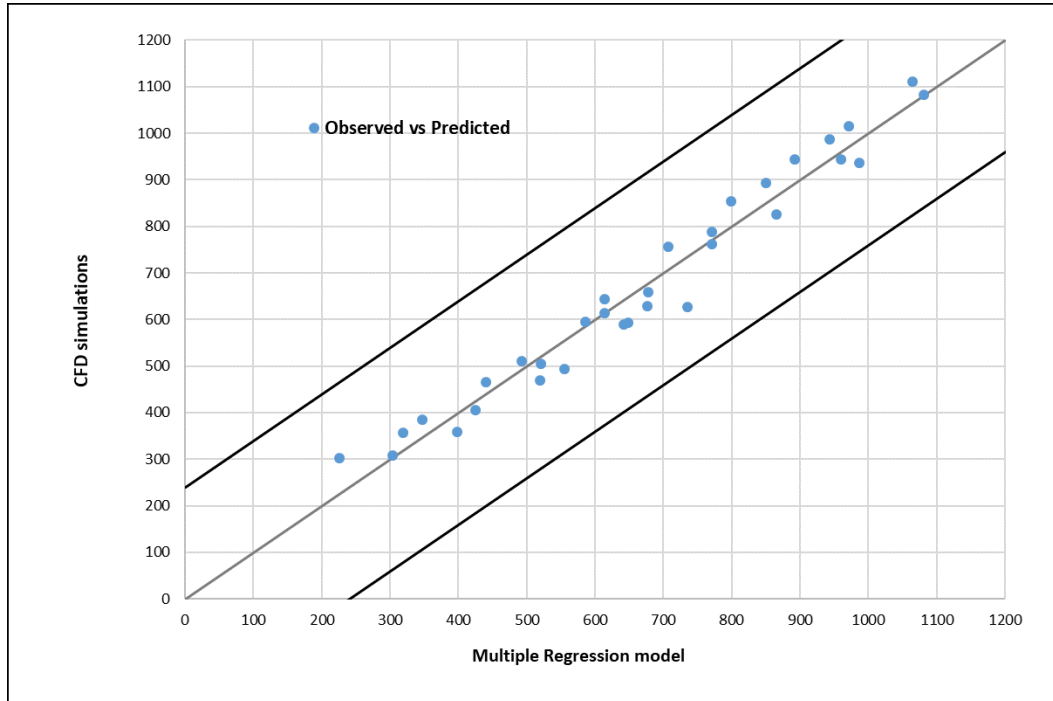


Model	Observed	Predicted	Residual	Studentized Res.
22	278.3 °C	187.0 °C	91.3 °C	2.16
61	589.7 °C	701.0 °C	-111.4 °C	-2.78



X/L = 0.6 – WEB

Model	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
1	0	23.4 m	24 m	5 m	2400 kW/m2	643.6 °C	613.7 °C
2	0	23.4 m	24 m	5 m	1800 kW/m2	510.3 °C	492.3 °C
5	0	23.4 m	24 m	9 m	2400 kW/m2	405.0 °C	425.5 °C
6	0	23.4 m	24 m	9 m	1800 kW/m2	308.3 °C	304.1 °C
9	0	23.4 m	16 m	5 m	2400 kW/m2	756.9 °C	707.4 °C
10	0	23.4 m	16 m	5 m	1800 kW/m2	594.2 °C	586.0 °C
13	0	23.4 m	16 m	9 m	2400 kW/m2	469.5 °C	519.2 °C
14	0	23.4 m	16 m	9 m	1800 kW/m2	358.3 °C	397.9 °C
17	0	13.0 m	24 m	5 m	2400 kW/m2	627.8 °C	676.7 °C
18	0	13.0 m	24 m	5 m	1800 kW/m2	493.3 °C	555.3 °C
21	0	13.0 m	24 m	9 m	2400 kW/m2	384.0 °C	346.8 °C
22	0	13.0 m	24 m	9 m	1800 kW/m2	301.8 °C	225.4 °C
25	0	13.0 m	16 m	5 m	2400 kW/m2	762.0 °C	770.4 °C
26	0	13.0 m	16 m	5 m	1800 kW/m2	592.3 °C	649.0 °C
29	0	13.0 m	16 m	9 m	2400 kW/m2	466.1 °C	440.5 °C
30	0	13.0 m	16 m	9 m	1800 kW/m2	356.1 °C	319.2 °C
33	1	23.4 m	24 m	5 m	2400 kW/m2	937.0 °C	987.2 °C
34	1	23.4 m	24 m	5 m	1800 kW/m2	825.7 °C	865.9 °C
37	1	23.4 m	24 m	9 m	2400 kW/m2	853.7 °C	799.0 °C
38	1	23.4 m	24 m	9 m	1800 kW/m2	659.4 °C	677.7 °C
41	1	23.4 m	16 m	5 m	2400 kW/m2	1081.7 °C	1080.9 °C
42	1	23.4 m	16 m	5 m	1800 kW/m2	943.6 °C	959.6 °C
45	1	23.4 m	16 m	9 m	2400 kW/m2	944.4 °C	892.8 °C
46	1	23.4 m	16 m	9 m	1800 kW/m2	789.0 °C	771.4 °C
49	1	13.0 m	24 m	5 m	2400 kW/m2	1015.3 °C	971.4 °C
50	1	13.0 m	24 m	5 m	1800 kW/m2	893.9 °C	850.1 °C
53	1	13.0 m	24 m	9 m	2400 kW/m2	589.3 °C	641.5 °C
54	1	13.0 m	24 m	9 m	1800 kW/m2	504.2 °C	520.2 °C
57	1	13.0 m	16 m	5 m	2400 kW/m2	1109.8 °C	1065.1 °C
58	1	13.0 m	16 m	5 m	1800 kW/m2	987.5 °C	943.8 °C
61	1	13.0 m	16 m	9 m	2400 kW/m2	627.2 °C	735.3 °C
62	1	13.0 m	16 m	9 m	1800 kW/m2	614.1 °C	613.9 °C

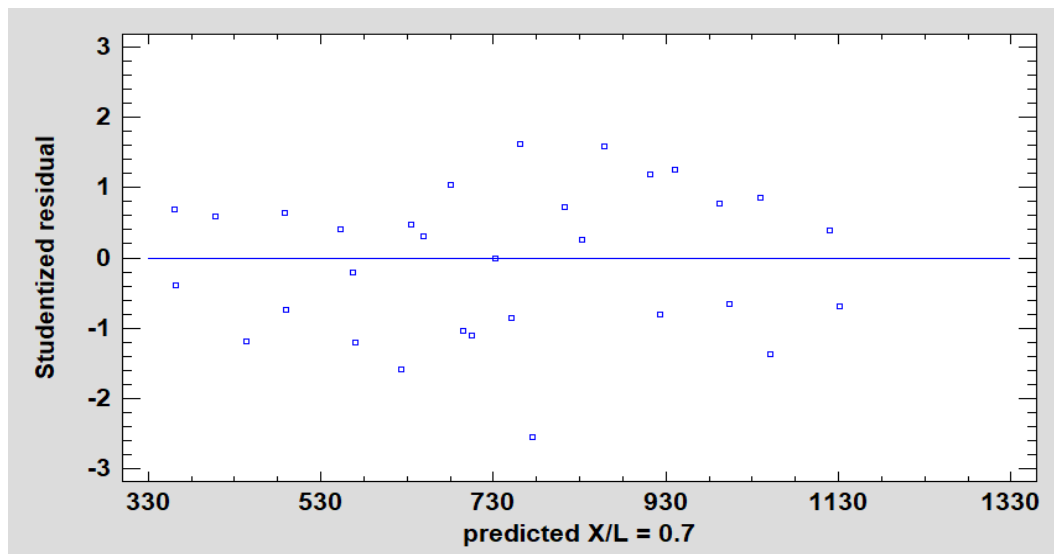
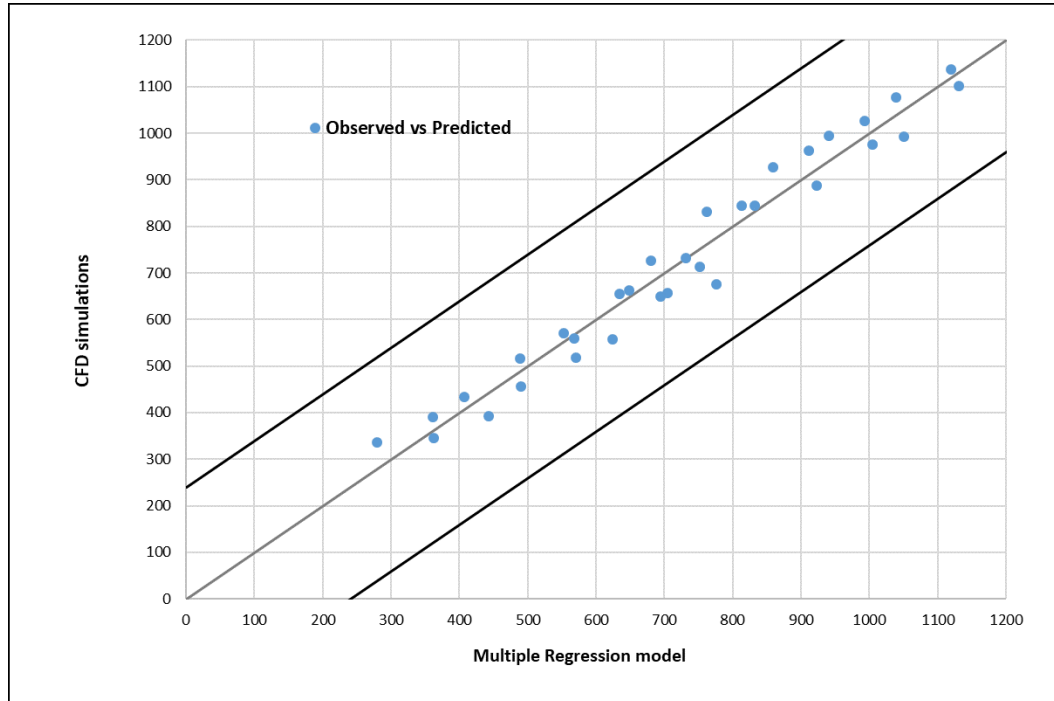


Model	Observed	Predicted	Residual	Studentized Res.
31	627.2 °C	735.3 °C	-108.1 °C	-2.84



X/L = 0.7 – WEB

Model	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
1	0	23.4 m	24 m	5 m	2400 kW/m2	726.0 °C	680.7 °C
2	0	23.4 m	24 m	5 m	1800 kW/m2	571.2 °C	553.3 °C
5	0	23.4 m	24 m	9 m	2400 kW/m2	456.9 °C	489.5 °C
6	0	23.4 m	24 m	9 m	1800 kW/m2	344.8 °C	362.1 °C
9	0	23.4 m	16 m	5 m	2400 kW/m2	830.7 °C	761.8 °C
10	0	23.4 m	16 m	5 m	1800 kW/m2	655.7 °C	634.4 °C
13	0	23.4 m	16 m	9 m	2400 kW/m2	518.6 °C	570.6 °C
14	0	23.4 m	16 m	9 m	1800 kW/m2	391.8 °C	443.2 °C
17	0	13.0 m	24 m	5 m	2400 kW/m2	714.0 °C	751.3 °C
18	0	13.0 m	24 m	5 m	1800 kW/m2	556.6 °C	623.9 °C
21	0	13.0 m	24 m	9 m	2400 kW/m2	433.4 °C	407.3 °C
22	0	13.0 m	24 m	9 m	1800 kW/m2	336.5 °C	279.9 °C
25	0	13.0 m	16 m	5 m	2400 kW/m2	844.1 °C	832.4 °C
26	0	13.0 m	16 m	5 m	1800 kW/m2	657.0 °C	705.0 °C
29	0	13.0 m	16 m	9 m	2400 kW/m2	516.5 °C	488.4 °C
30	0	13.0 m	16 m	9 m	1800 kW/m2	391.2 °C	361.0 °C
33	1	23.4 m	24 m	5 m	2400 kW/m2	991.7 °C	1050.6 °C
34	1	23.4 m	24 m	5 m	1800 kW/m2	887.7 °C	923.2 °C
37	1	23.4 m	24 m	9 m	2400 kW/m2	926.8 °C	859.4 °C
38	1	23.4 m	24 m	9 m	1800 kW/m2	731.9 °C	732.0 °C
41	1	23.4 m	16 m	5 m	2400 kW/m2	1101.4 °C	1131.7 °C
42	1	23.4 m	16 m	5 m	1800 kW/m2	975.4 °C	1004.3 °C
45	1	23.4 m	16 m	9 m	2400 kW/m2	994.6 °C	940.5 °C
46	1	23.4 m	16 m	9 m	1800 kW/m2	844.9 °C	813.1 °C
49	1	13.0 m	24 m	5 m	2400 kW/m2	1076.8 °C	1038.9 °C
50	1	13.0 m	24 m	5 m	1800 kW/m2	963.3 °C	911.5 °C
53	1	13.0 m	24 m	9 m	2400 kW/m2	649.8 °C	694.9 °C
54	1	13.0 m	24 m	9 m	1800 kW/m2	558.3 °C	567.5 °C
57	1	13.0 m	16 m	5 m	2400 kW/m2	1137.3 °C	1120.0 °C
58	1	13.0 m	16 m	5 m	1800 kW/m2	1026.6 °C	992.6 °C
61	1	13.0 m	16 m	9 m	2400 kW/m2	675.3 °C	776.0 °C
62	1	13.0 m	16 m	9 m	1800 kW/m2	662.5 °C	648.6 °C

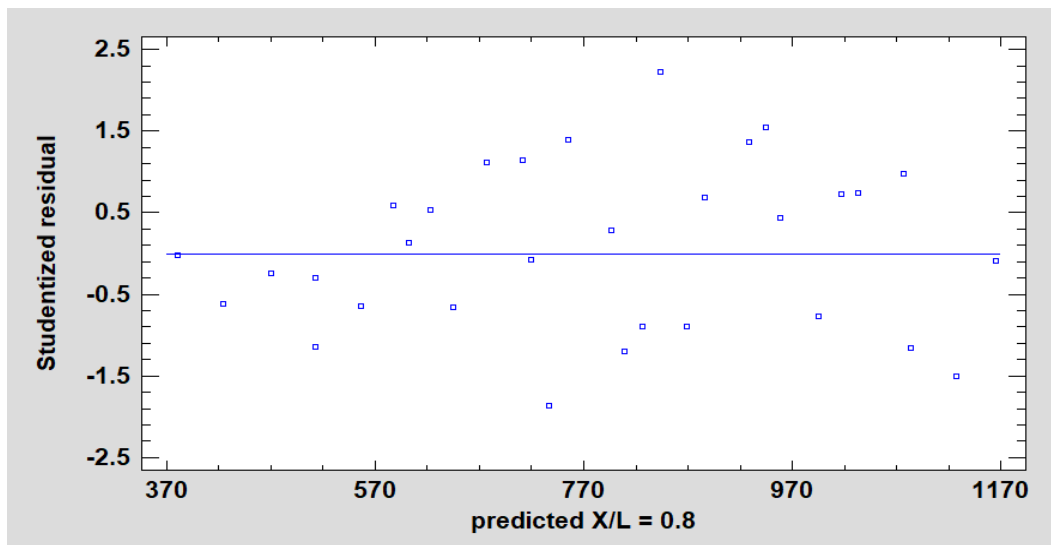
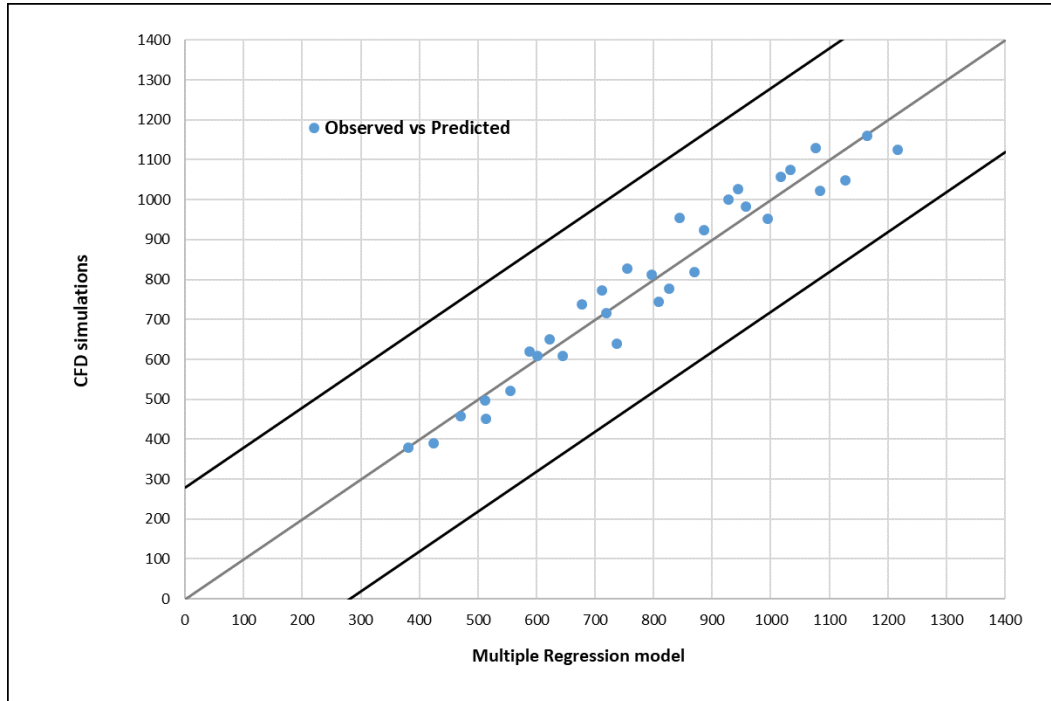


Model	Observed	Predicted	Residual	Studentized Res.
31	675.3 °C	776.0 °C	-100.7 °C	-2.55



X/L = 0.8 – WEB

Model	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
1	0	23.4 m	24 m	5 m	2400 kW/m2	827.7 °C	754.6 °C
2	0	23.4 m	24 m	5 m	1800 kW/m2	651.4 °C	622.5 °C
5	0	23.4 m	24 m	9 m	2400 kW/m2	521.3 °C	556.0 °C
6	0	23.4 m	24 m	9 m	1800 kW/m2	390.2 °C	424.0 °C
9	0	23.4 m	16 m	5 m	2400 kW/m2	954.5 °C	843.7 °C
10	0	23.4 m	16 m	5 m	1800 kW/m2	772.7 °C	711.7 °C
13	0	23.4 m	16 m	9 m	2400 kW/m2	609.6 °C	645.1 °C
14	0	23.4 m	16 m	9 m	1800 kW/m2	452.1 °C	513.1 °C
17	0	13.0 m	24 m	5 m	2400 kW/m2	819.7 °C	869.2 °C
18	0	13.0 m	24 m	5 m	1800 kW/m2	639.5 °C	737.2 °C
21	0	13.0 m	24 m	9 m	2400 kW/m2	496.3 °C	512.9 °C
22	0	13.0 m	24 m	9 m	1800 kW/m2	379.4 °C	380.9 °C
25	0	13.0 m	16 m	5 m	2400 kW/m2	982.8 °C	958.3 °C
26	0	13.0 m	16 m	5 m	1800 kW/m2	777.4 °C	826.3 °C
29	0	13.0 m	16 m	9 m	2400 kW/m2	609.1 °C	602.1 °C
30	0	13.0 m	16 m	9 m	1800 kW/m2	456.7 °C	470.0 °C
33	1	23.4 m	24 m	5 m	2400 kW/m2	1048.0 °C	1126.9 °C
34	1	23.4 m	24 m	5 m	1800 kW/m2	953.3 °C	994.9 °C
37	1	23.4 m	24 m	9 m	2400 kW/m2	1000.6 °C	928.3 °C
38	1	23.4 m	24 m	9 m	1800 kW/m2	811.9 °C	796.3 °C
41	1	23.4 m	16 m	5 m	2400 kW/m2	1124.3 °C	1216.0 °C
42	1	23.4 m	16 m	5 m	1800 kW/m2	1022.5 °C	1084.0 °C
45	1	23.4 m	16 m	9 m	2400 kW/m2	1057.2 °C	1017.5 °C
46	1	23.4 m	16 m	9 m	1800 kW/m2	922.9 °C	885.4 °C
49	1	13.0 m	24 m	5 m	2400 kW/m2	1129.5 °C	1076.1 °C
50	1	13.0 m	24 m	5 m	1800 kW/m2	1026.4 °C	944.0 °C
53	1	13.0 m	24 m	9 m	2400 kW/m2	715.7 °C	719.8 °C
54	1	13.0 m	24 m	9 m	1800 kW/m2	620.4 °C	587.8 °C
57	1	13.0 m	16 m	5 m	2400 kW/m2	1160.1 °C	1165.2 °C
58	1	13.0 m	16 m	5 m	1800 kW/m2	1073.9 °C	1033.1 °C
61	1	13.0 m	16 m	9 m	2400 kW/m2	744.1 °C	808.9 °C
62	1	13.0 m	16 m	9 m	1800 kW/m2	737.4 °C	676.9 °C

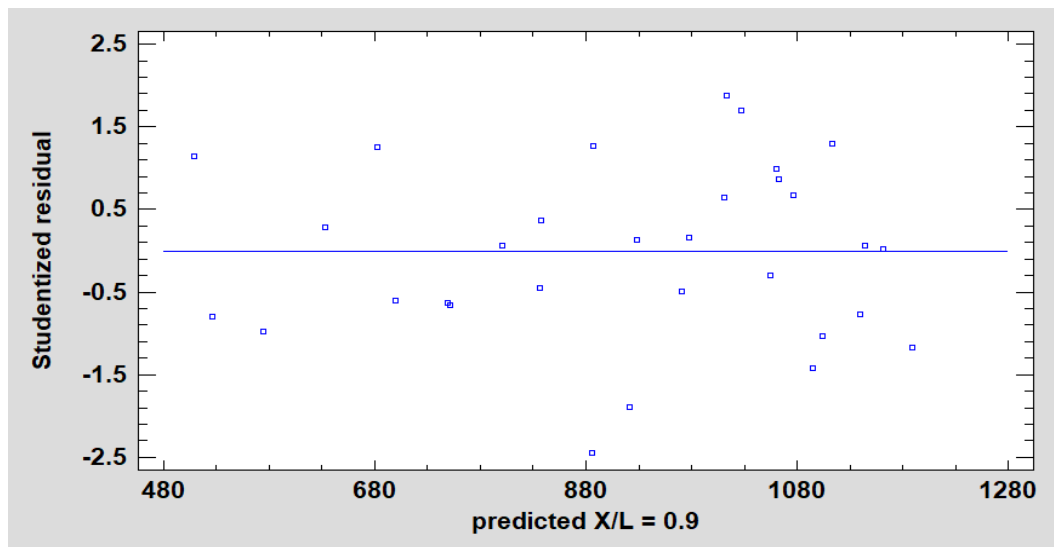
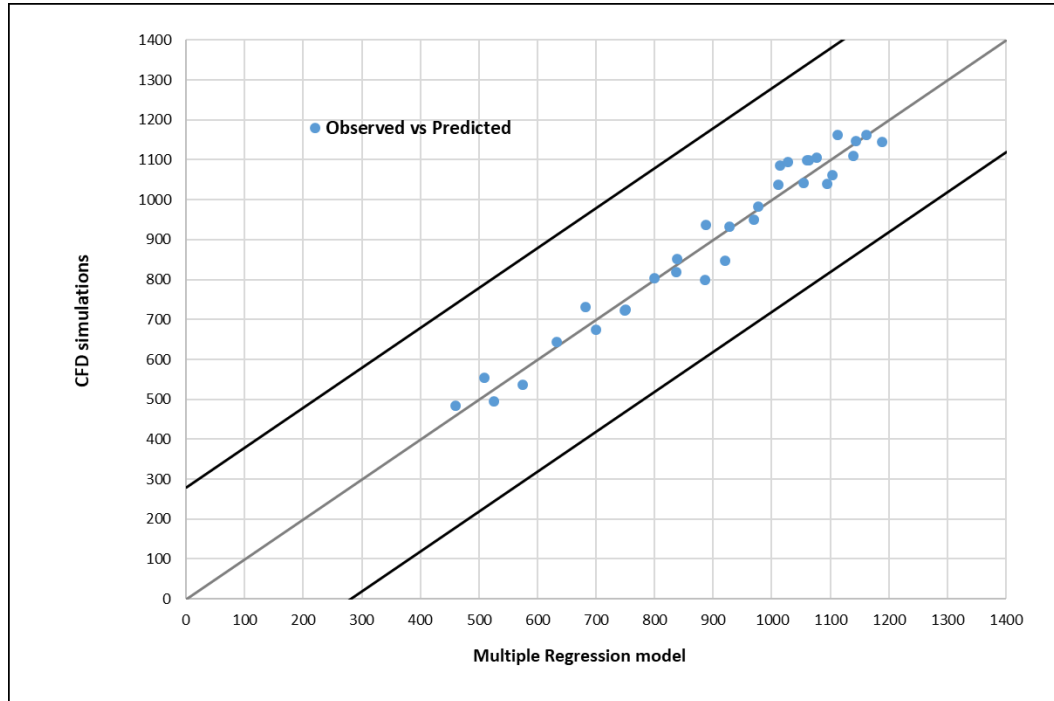


Model	Observed	Predicted	Residual	Studentized Res.
9	954.5 °C	843.7 °C	110.8 °C	2.23



X/L = 0.9 – WEB

Model	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
1	0	23.4 m	24 m	5 m	2400 kW/m2	1037.1 °C	1011.3 °C
2	0	23.4 m	24 m	5 m	1800 kW/m2	852.3 °C	837.7 °C
5	0	23.4 m	24 m	9 m	2400 kW/m2	674.7 °C	699.4 °C
6	0	23.4 m	24 m	9 m	1800 kW/m2	494.7 °C	525.9 °C
9	0	23.4 m	16 m	5 m	2400 kW/m2	1099.6 °C	1060.4 °C
10	0	23.4 m	16 m	5 m	1800 kW/m2	936.5 °C	886.9 °C
13	0	23.4 m	16 m	9 m	2400 kW/m2	722.5 °C	748.6 °C
14	0	23.4 m	16 m	9 m	1800 kW/m2	537.2 °C	575.1 °C
17	0	13.0 m	24 m	5 m	2400 kW/m2	1040.7 °C	1094.6 °C
18	0	13.0 m	24 m	5 m	1800 kW/m2	846.8 °C	921.0 °C
21	0	13.0 m	24 m	9 m	2400 kW/m2	644.6 °C	633.3 °C
22	0	13.0 m	24 m	9 m	1800 kW/m2	484.6 °C	459.7 °C
25	0	13.0 m	16 m	5 m	2400 kW/m2	1146.3 °C	1143.8 °C
26	0	13.0 m	16 m	5 m	1800 kW/m2	949.6 °C	970.2 °C
29	0	13.0 m	16 m	9 m	2400 kW/m2	731.0 °C	682.5 °C
30	0	13.0 m	16 m	9 m	1800 kW/m2	553.6 °C	508.9 °C
33	1	23.4 m	24 m	5 m	2400 kW/m2	1109.3 °C	1140.0 °C
34	1	23.4 m	24 m	5 m	1800 kW/m2	1042.2 °C	1054.5 °C
37	1	23.4 m	24 m	9 m	2400 kW/m2	1086.4 °C	1013.6 °C
38	1	23.4 m	24 m	9 m	1800 kW/m2	933.6 °C	928.1 °C
41	1	23.4 m	16 m	5 m	2400 kW/m2	1143.9 °C	1189.2 °C
42	1	23.4 m	16 m	5 m	1800 kW/m2	1062.7 °C	1103.7 °C
45	1	23.4 m	16 m	9 m	2400 kW/m2	1098.2 °C	1062.8 °C
46	1	23.4 m	16 m	9 m	1800 kW/m2	983.7 °C	977.3 °C
49	1	13.0 m	24 m	5 m	2400 kW/m2	1162.0 °C	1112.6 °C
50	1	13.0 m	24 m	5 m	1800 kW/m2	1094.6 °C	1027.1 °C
53	1	13.0 m	24 m	9 m	2400 kW/m2	818.7 °C	836.7 °C
54	1	13.0 m	24 m	9 m	1800 kW/m2	724.6 °C	751.2 °C
57	1	13.0 m	16 m	5 m	2400 kW/m2	1162.7 °C	1161.8 °C
58	1	13.0 m	16 m	5 m	1800 kW/m2	1104.7 °C	1076.3 °C
61	1	13.0 m	16 m	9 m	2400 kW/m2	799.0 °C	885.9 °C
62	1	13.0 m	16 m	9 m	1800 kW/m2	802.7 °C	800.4 °C

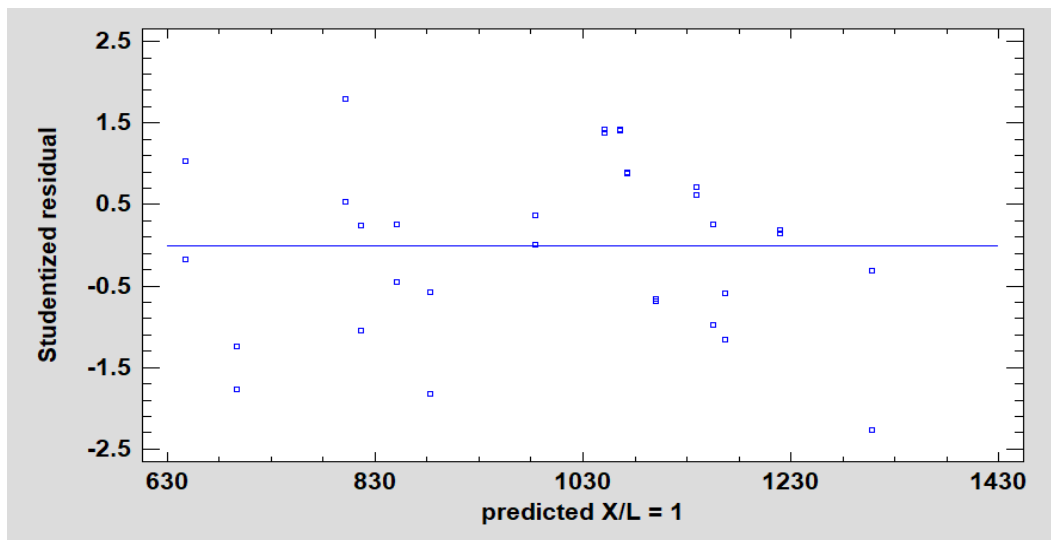
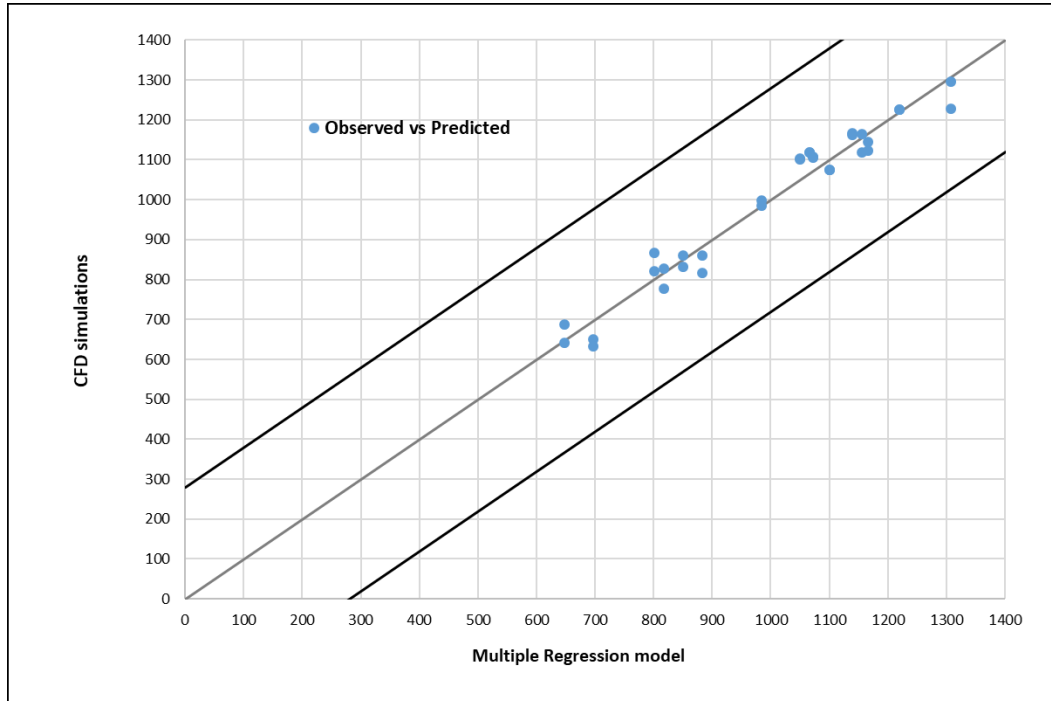


Model	Observed	Predicted	Residual	Studentized Res.
61	799.0 °C	885.9 °C	-86.9 °C	-2.44



X/L = 1 – WEB

Model	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
1	0	23.4 m	24 m	5 m	2400 kW/m2	1224.9 °C	1219.0 °C
2	0	23.4 m	24 m	5 m	1800 kW/m2	1118.8 °C	1065.8 °C
5	0	23.4 m	24 m	9 m	2400 kW/m2	860.5 °C	850.5 °C
6	0	23.4 m	24 m	9 m	1800 kW/m2	650.5 °C	697.3 °C
9	0	23.4 m	16 m	5 m	2400 kW/m2	1226.4 °C	1219.0 °C
10	0	23.4 m	16 m	5 m	1800 kW/m2	1118.4 °C	1065.8 °C
13	0	23.4 m	16 m	9 m	2400 kW/m2	832.8 °C	850.5 °C
14	0	23.4 m	16 m	9 m	1800 kW/m2	633.1 °C	697.3 °C
17	0	13.0 m	24 m	5 m	2400 kW/m2	1229.0 °C	1308.4 °C
18	0	13.0 m	24 m	5 m	1800 kW/m2	1118.0 °C	1155.1 °C
21	0	13.0 m	24 m	9 m	2400 kW/m2	821.8 °C	801.0 °C
22	0	13.0 m	24 m	9 m	1800 kW/m2	641.1 °C	647.7 °C
25	0	13.0 m	16 m	5 m	2400 kW/m2	1296.3 °C	1308.4 °C
26	0	13.0 m	16 m	5 m	1800 kW/m2	1164.9 °C	1155.1 °C
29	0	13.0 m	16 m	9 m	2400 kW/m2	866.2 °C	801.0 °C
30	0	13.0 m	16 m	9 m	1800 kW/m2	687.1 °C	647.7 °C
33	1	23.4 m	24 m	5 m	2400 kW/m2	1123.1 °C	1166.8 °C
34	1	23.4 m	24 m	5 m	1800 kW/m2	1074.9 °C	1100.5 °C
37	1	23.4 m	24 m	9 m	2400 kW/m2	1103.3 °C	1050.4 °C
38	1	23.4 m	24 m	9 m	1800 kW/m2	984.1 °C	984.0 °C
41	1	23.4 m	16 m	5 m	2400 kW/m2	1143.9 °C	1166.8 °C
42	1	23.4 m	16 m	5 m	1800 kW/m2	1073.9 °C	1100.5 °C
45	1	23.4 m	16 m	9 m	2400 kW/m2	1101.9 °C	1050.4 °C
46	1	23.4 m	16 m	9 m	1800 kW/m2	998.3 °C	984.0 °C
49	1	13.0 m	24 m	5 m	2400 kW/m2	1162.2 °C	1138.6 °C
50	1	13.0 m	24 m	5 m	1800 kW/m2	1106.6 °C	1072.2 °C
53	1	13.0 m	24 m	9 m	2400 kW/m2	860.8 °C	883.2 °C
54	1	13.0 m	24 m	9 m	1800 kW/m2	777.0 °C	816.9 °C
57	1	13.0 m	16 m	5 m	2400 kW/m2	1165.8 °C	1138.6 °C
58	1	13.0 m	16 m	5 m	1800 kW/m2	1105.8 °C	1072.2 °C
61	1	13.0 m	16 m	9 m	2400 kW/m2	817.1 °C	883.2 °C
62	1	13.0 m	16 m	9 m	1800 kW/m2	826.4 °C	816.9 °C



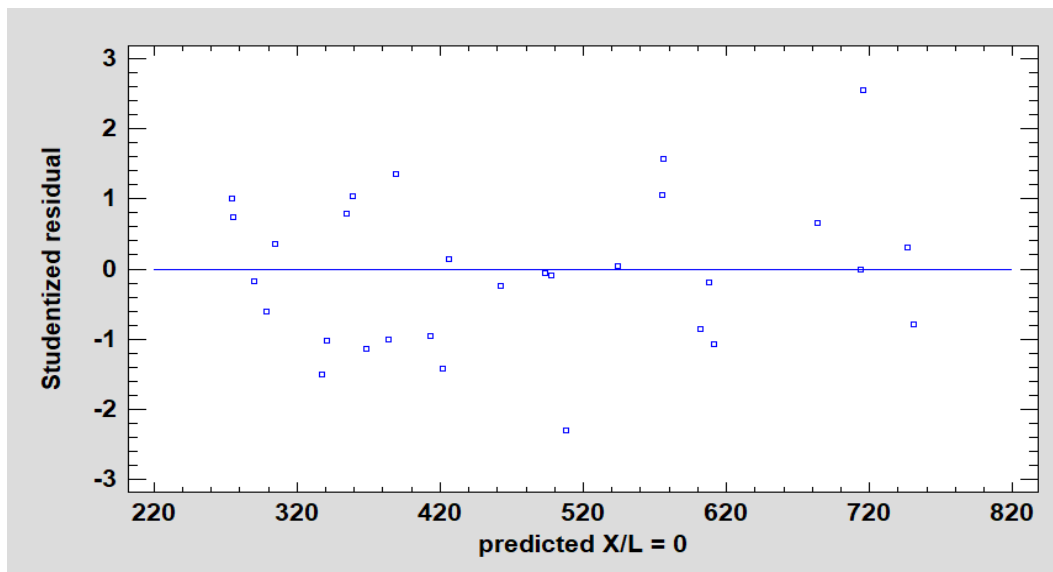
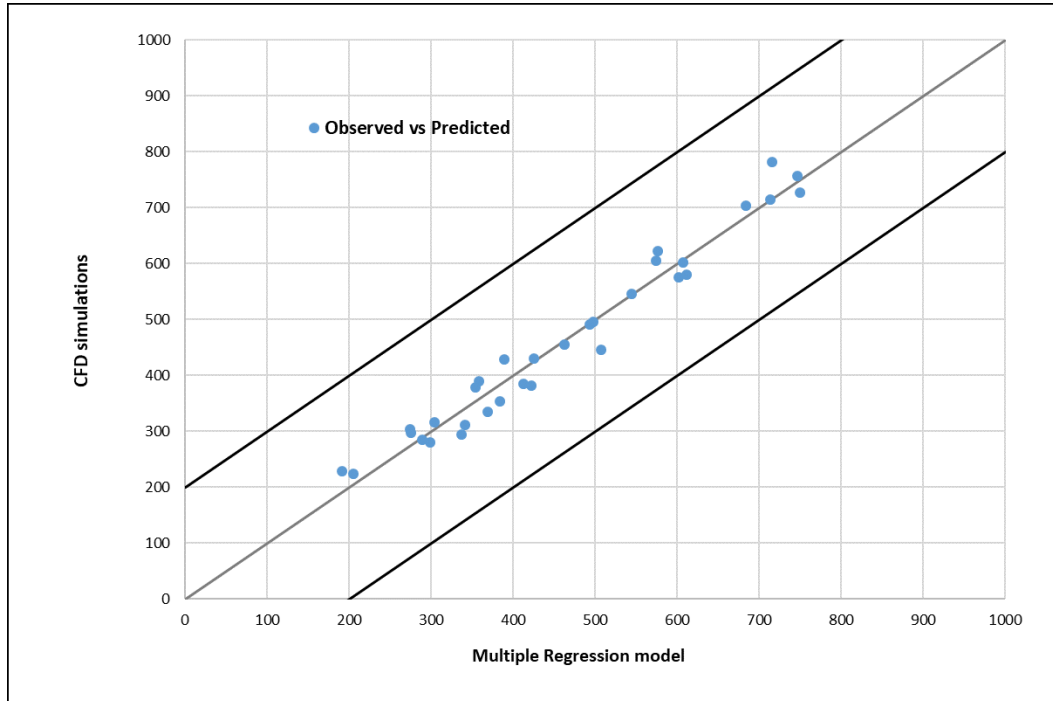
Model	Observed	Predicted	Residual	Studentized Res.
9	1229.0 °C	1308.4 °C	-79.4 °C	-2.27



FIRE LOCATED MID-SPAN

X/L = 0 – BOTTOM FLANGE

Model	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
3	0	23.4 m	24 m	5 m	2400 kW/m ²	491.8 °C	493.7 °C
4	0	23.4 m	24 m	5 m	1800 kW/m ²	378.3 °C	354.6 °C
7	0	23.4 m	24 m	9 m	2400 kW/m ²	297.5 °C	275.7 °C
8	0	23.4 m	24 m	9 m	1800 kW/m ²	228.5 °C	191.1 °C
11	0	23.4 m	16 m	5 m	2400 kW/m ²	576.2 °C	601.6 °C
12	0	23.4 m	16 m	5 m	1800 kW/m ²	454.9 °C	462.5 °C
15	0	23.4 m	16 m	9 m	2400 kW/m ²	354.1 °C	383.6 °C
16	0	23.4 m	16 m	9 m	1800 kW/m ²	280.6 °C	299.0 °C
19	0	13.0 m	24 m	5 m	2400 kW/m ²	446.3 °C	507.7 °C
20	0	13.0 m	24 m	5 m	1800 kW/m ²	334.9 °C	368.6 °C
23	0	13.0 m	24 m	9 m	2400 kW/m ²	284.4 °C	289.7 °C
24	0	13.0 m	24 m	9 m	1800 kW/m ²	224.5 °C	205.1 °C
27	0	13.0 m	16 m	5 m	2400 kW/m ²	782.1 °C	715.5 °C
28	0	13.0 m	16 m	5 m	1800 kW/m ²	621.9 °C	576.4 °C
31	0	13.0 m	16 m	9 m	2400 kW/m ²	495.0 °C	497.5 °C
32	0	13.0 m	16 m	9 m	1800 kW/m ²	384.3 °C	412.9 °C
35	1	23.4 m	24 m	5 m	2400 kW/m ²	726.8 °C	750.4 °C
36	1	23.4 m	24 m	5 m	1800 kW/m ²	579.9 °C	611.3 °C
39	1	23.4 m	24 m	9 m	2400 kW/m ²	429.9 °C	425.7 °C
40	1	23.4 m	24 m	9 m	1800 kW/m ²	310.9 °C	341.1 °C
43	1	23.4 m	16 m	5 m	2400 kW/m ²	713.8 °C	714.0 °C
44	1	23.4 m	16 m	5 m	1800 kW/m ²	605.9 °C	574.9 °C
47	1	23.4 m	16 m	9 m	2400 kW/m ²	428.5 °C	389.2 °C
48	1	23.4 m	16 m	9 m	1800 kW/m ²	315.6 °C	304.6 °C
51	1	13.0 m	24 m	5 m	2400 kW/m ²	703.0 °C	683.5 °C
52	1	13.0 m	24 m	5 m	1800 kW/m ²	545.8 °C	544.4 °C
55	1	13.0 m	24 m	9 m	2400 kW/m ²	389.3 °C	358.8 °C
56	1	13.0 m	24 m	9 m	1800 kW/m ²	303.8 °C	274.2 °C
59	1	13.0 m	16 m	5 m	2400 kW/m ²	756.1 °C	746.9 °C
60	1	13.0 m	16 m	5 m	1800 kW/m ²	601.8 °C	607.8 °C
63	1	13.0 m	16 m	9 m	2400 kW/m ²	381.0 °C	422.2 °C
64	1	13.0 m	16 m	9 m	1800 kW/m ²	294.4 °C	337.5 °C

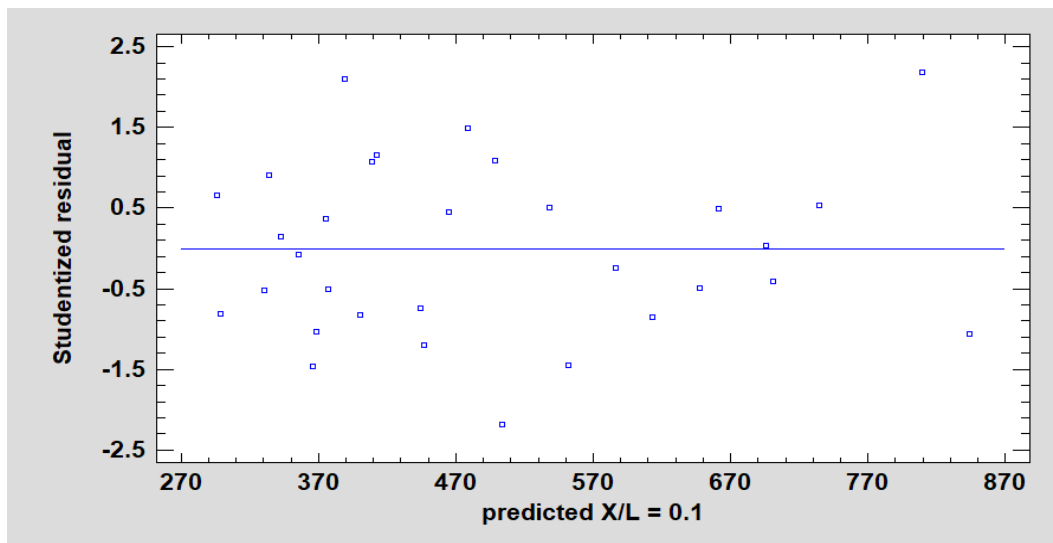
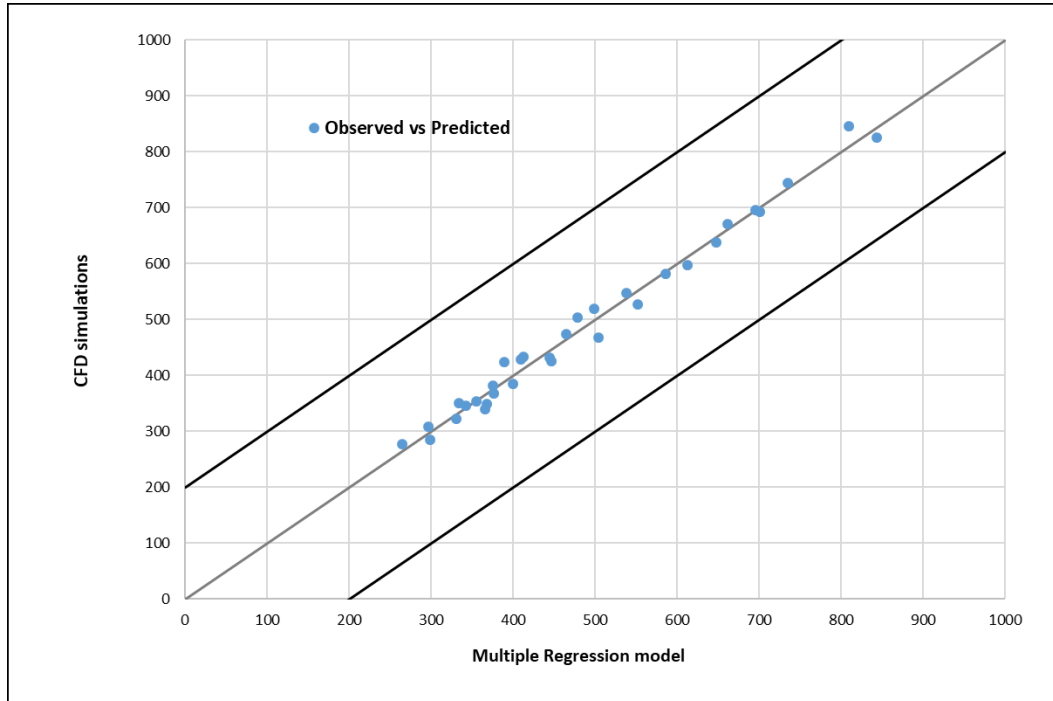


Model	Observed	Predicted	Residual	Studentized Res.
19	446.3 °C	507.7 °C	-61.4 °C	-2.3
27	782.1 °C	715.5 °C	66.6 °C	2.55



X/L = 0.1 – BOTTOM FLANGE

Model	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
3	0	23.4 m	24 m	5 m	2400 kW/m2	547.2 °C	538.0 °C
4	0	23.4 m	24 m	5 m	1800 kW/m2	424.1 °C	389.6 °C
7	0	23.4 m	24 m	9 m	2400 kW/m2	367.7 °C	377.0 °C
8	0	23.4 m	24 m	9 m	1800 kW/m2	284.2 °C	298.6 °C
11	0	23.4 m	16 m	5 m	2400 kW/m2	638.8 °C	647.4 °C
12	0	23.4 m	16 m	5 m	1800 kW/m2	518.9 °C	498.9 °C
15	0	23.4 m	16 m	9 m	2400 kW/m2	425.8 °C	446.6 °C
16	0	23.4 m	16 m	9 m	1800 kW/m2	349.2 °C	368.2 °C
19	0	13.0 m	24 m	5 m	2400 kW/m2	467.4 °C	503.9 °C
20	0	13.0 m	24 m	5 m	1800 kW/m2	353.9 °C	355.4 °C
23	0	13.0 m	24 m	9 m	2400 kW/m2	345.6 °C	342.8 °C
24	0	13.0 m	24 m	9 m	1800 kW/m2	277.6 °C	264.4 °C
27	0	13.0 m	16 m	5 m	2400 kW/m2	598.1 °C	613.2 °C
28	0	13.0 m	16 m	5 m	1800 kW/m2	473.1 °C	464.7 °C
31	0	13.0 m	16 m	9 m	2400 kW/m2	432.6 °C	412.4 °C
32	0	13.0 m	16 m	9 m	1800 kW/m2	350.9 °C	334.0 °C
35	1	23.4 m	24 m	5 m	2400 kW/m2	744.5 °C	734.7 °C
36	1	23.4 m	24 m	5 m	1800 kW/m2	581.8 °C	586.2 °C
39	1	23.4 m	24 m	9 m	2400 kW/m2	428.7 °C	409.1 °C
40	1	23.4 m	24 m	9 m	1800 kW/m2	321.5 °C	330.7 °C
43	1	23.4 m	16 m	5 m	2400 kW/m2	825.5 °C	844.0 °C
44	1	23.4 m	16 m	5 m	1800 kW/m2	696.2 °C	695.5 °C
47	1	23.4 m	16 m	9 m	2400 kW/m2	504.1 °C	478.7 °C
48	1	23.4 m	16 m	9 m	1800 kW/m2	385.2 °C	400.3 °C
51	1	13.0 m	24 m	5 m	2400 kW/m2	693.0 °C	700.5 °C
52	1	13.0 m	24 m	5 m	1800 kW/m2	527.1 °C	552.0 °C
55	1	13.0 m	24 m	9 m	2400 kW/m2	381.8 °C	374.9 °C
56	1	13.0 m	24 m	9 m	1800 kW/m2	308.2 °C	296.5 °C
59	1	13.0 m	16 m	5 m	2400 kW/m2	845.4 °C	809.8 °C
60	1	13.0 m	16 m	5 m	1800 kW/m2	670.4 °C	661.3 °C
63	1	13.0 m	16 m	9 m	2400 kW/m2	431.4 °C	444.5 °C
64	1	13.0 m	16 m	9 m	1800 kW/m2	340.1 °C	366.1 °C

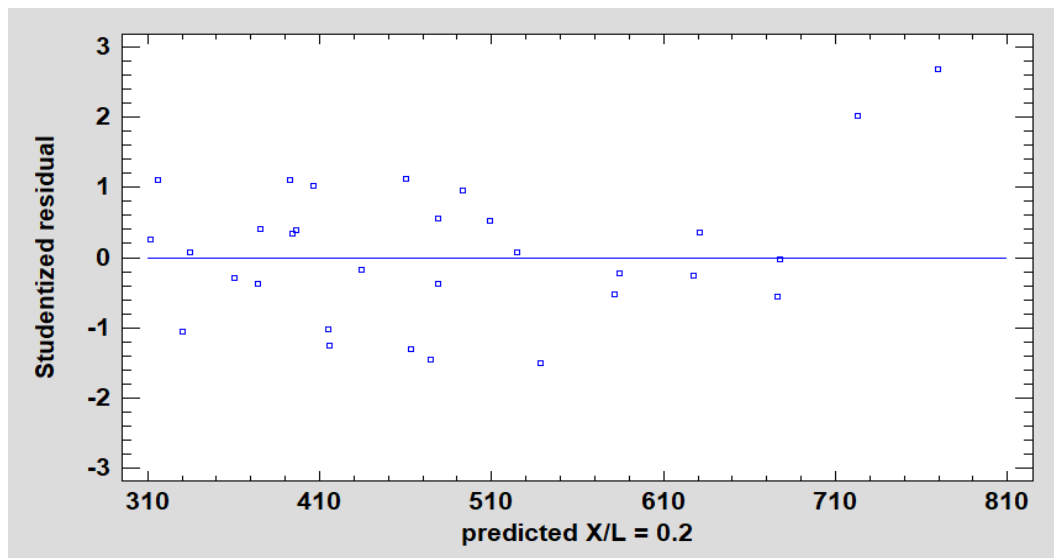
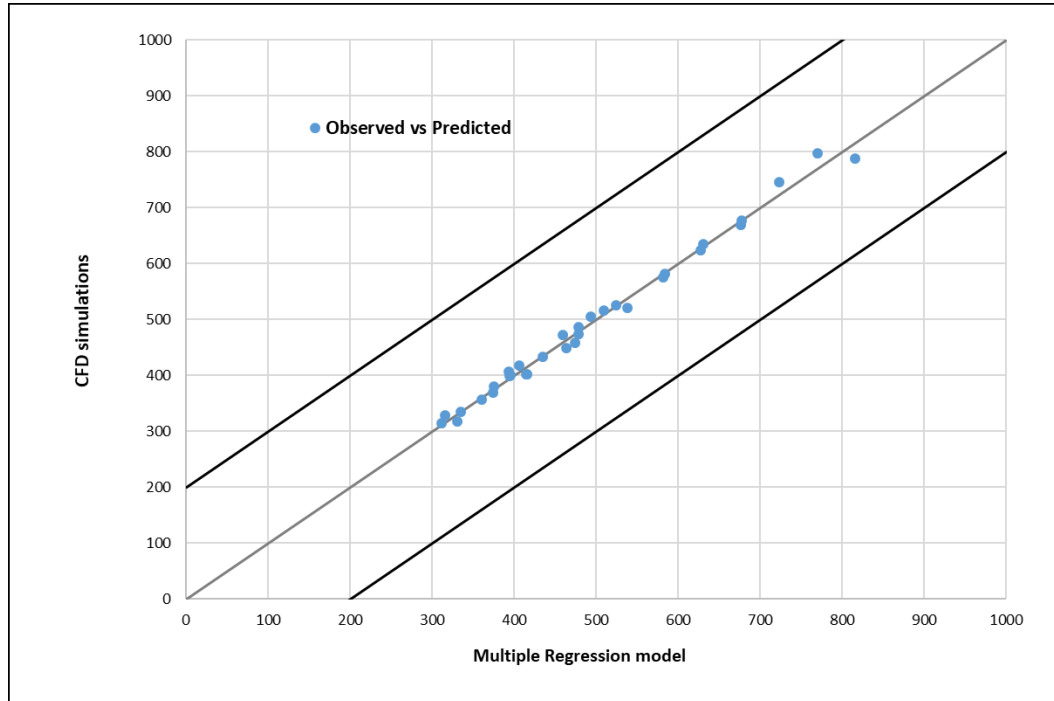


Model	Observed	Predicted	Residual	Studentized Res.
4	424.1 °C	389.6 °C	34.6 °C	2.11
19	467.4 °C	503.9 °C	-36.5 °C	-2.19
59	845.4 °C	809.8 °C	35.6 °C	2.19



X/L = 0.2 – BOTTOM FLANGE

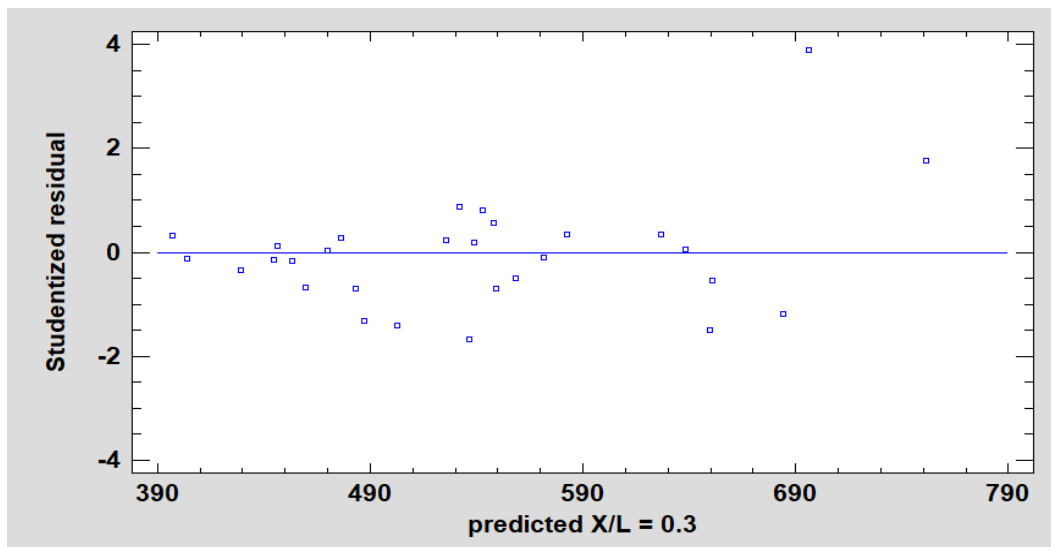
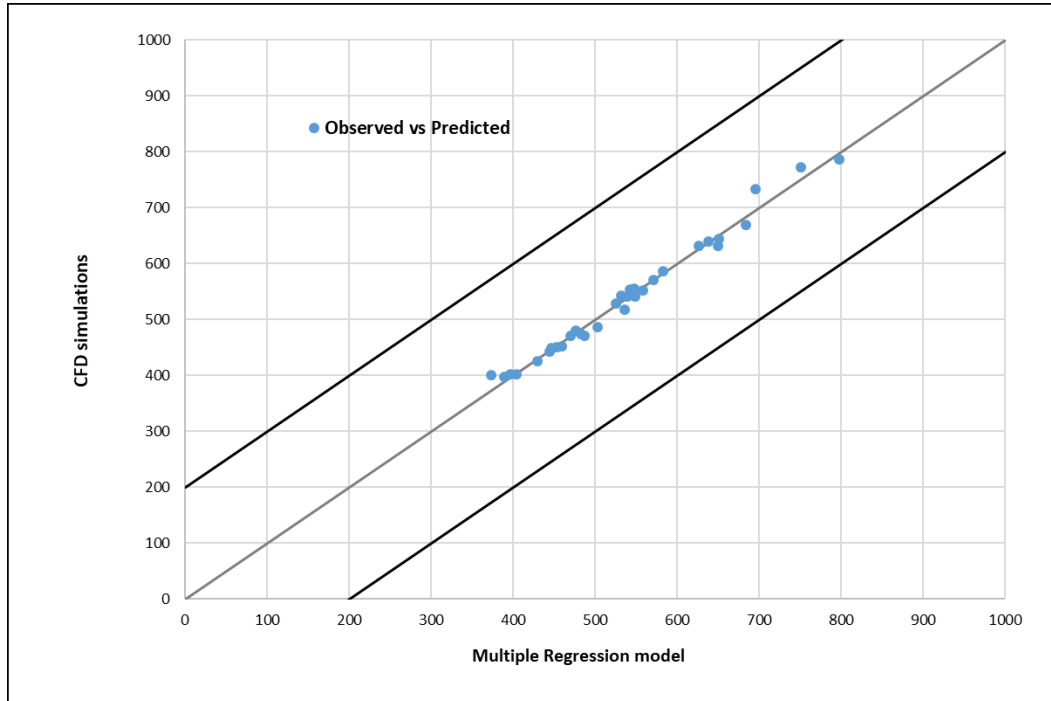
Model	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
3	0	23.4 m	24 m	5 m	2400 kW/m2	515.7 °C	509.2 °C
4	0	23.4 m	24 m	5 m	1800 kW/m2	418.3 °C	406.4 °C
7	0	23.4 m	24 m	9 m	2400 kW/m2	398.6 °C	394.4 °C
8	0	23.4 m	24 m	9 m	1800 kW/m2	318.3 °C	330.5 °C
11	0	23.4 m	16 m	5 m	2400 kW/m2	624.3 °C	627.3 °C
12	0	23.4 m	16 m	5 m	1800 kW/m2	525.4 °C	524.6 °C
15	0	23.4 m	16 m	9 m	2400 kW/m2	474.3 °C	478.7 °C
16	0	23.4 m	16 m	9 m	1800 kW/m2	402.6 °C	414.8 °C
19	0	13.0 m	24 m	5 m	2400 kW/m2	448.5 °C	463.5 °C
20	0	13.0 m	24 m	5 m	1800 kW/m2	357.1 °C	360.7 °C
23	0	13.0 m	24 m	9 m	2400 kW/m2	380.6 °C	375.6 °C
24	0	13.0 m	24 m	9 m	1800 kW/m2	314.8 °C	311.7 °C
27	0	13.0 m	16 m	5 m	2400 kW/m2	575.3 °C	581.6 °C
28	0	13.0 m	16 m	5 m	1800 kW/m2	486.0 °C	478.8 °C
31	0	13.0 m	16 m	9 m	2400 kW/m2	472.9 °C	459.9 °C
32	0	13.0 m	16 m	9 m	1800 kW/m2	401.0 °C	396.0 °C
35	1	23.4 m	24 m	5 m	2400 kW/m2	746.4 °C	723.2 °C
36	1	23.4 m	24 m	5 m	1800 kW/m2	581.5 °C	584.2 °C
39	1	23.4 m	24 m	9 m	2400 kW/m2	432.5 °C	434.7 °C
40	1	23.4 m	24 m	9 m	1800 kW/m2	335.5 °C	334.6 °C
43	1	23.4 m	16 m	5 m	2400 kW/m2	787.3 °C	815.5 °C
44	1	23.4 m	16 m	5 m	1800 kW/m2	669.8 °C	676.5 °C
47	1	23.4 m	16 m	9 m	2400 kW/m2	504.4 °C	493.2 °C
48	1	23.4 m	16 m	9 m	1800 kW/m2	406.1 °C	393.1 °C
51	1	13.0 m	24 m	5 m	2400 kW/m2	677.1 °C	677.4 °C
52	1	13.0 m	24 m	5 m	1800 kW/m2	521.3 °C	538.5 °C
55	1	13.0 m	24 m	9 m	2400 kW/m2	401.3 °C	415.9 °C
56	1	13.0 m	24 m	9 m	1800 kW/m2	328.8 °C	315.8 °C
59	1	13.0 m	16 m	5 m	2400 kW/m2	797.1 °C	769.7 °C
60	1	13.0 m	16 m	5 m	1800 kW/m2	635.2 °C	630.8 °C
63	1	13.0 m	16 m	9 m	2400 kW/m2	458.0 °C	474.4 °C
64	1	13.0 m	16 m	9 m	1800 kW/m2	369.6 °C	374.3 °C



Model	Observed	Predicted	Residual	Studentized Res.
35	746.4 °C	723.2 °C	23.2 °C	2.01
43	787.3 °C	815.5 °C	-28.1 °C	-2.77
59	797.1 °C	769.7 °C	27.4 °C	2.69

X/L = 0.3 – BOTTOM FLANGE

Model	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
3	0	23.4 m	24 m	5 m	2400 kW/m ²	540.6 °C	549.1 °C
4	0	23.4 m	24 m	5 m	1800 kW/m ²	470.6 °C	470.2 °C
7	0	23.4 m	24 m	9 m	2400 kW/m ²	479.8 °C	476.2 °C
8	0	23.4 m	24 m	9 m	1800 kW/m ²	401.4 °C	397.2 °C
11	0	23.4 m	16 m	5 m	2400 kW/m ²	643.9 °C	650.7 °C
12	0	23.4 m	16 m	5 m	1800 kW/m ²	570.5 °C	571.7 °C
15	0	23.4 m	16 m	9 m	2400 kW/m ²	542.7 °C	532.0 °C
16	0	23.4 m	16 m	9 m	1800 kW/m ²	450.9 °C	453.1 °C
19	0	13.0 m	24 m	5 m	2400 kW/m ²	528.4 °C	525.5 °C
20	0	13.0 m	24 m	5 m	1800 kW/m ²	448.1 °C	446.5 °C
23	0	13.0 m	24 m	9 m	2400 kW/m ²	474.5 °C	483.0 °C
24	0	13.0 m	24 m	9 m	1800 kW/m ²	402.7 °C	404.1 °C
27	0	13.0 m	16 m	5 m	2400 kW/m ²	631.4 °C	627.0 °C
28	0	13.0 m	16 m	5 m	1800 kW/m ²	555.2 °C	548.0 °C
31	0	13.0 m	16 m	9 m	2400 kW/m ²	541.2 °C	538.9 °C
32	0	13.0 m	16 m	9 m	1800 kW/m ²	451.4 °C	459.9 °C
35	1	23.4 m	24 m	5 m	2400 kW/m ²	732.8 °C	696.0 °C
36	1	23.4 m	24 m	5 m	1800 kW/m ²	586.9 °C	582.6 °C
39	1	23.4 m	24 m	9 m	2400 kW/m ²	485.7 °C	502.6 °C
40	1	23.4 m	24 m	9 m	1800 kW/m ²	398.0 °C	389.2 °C
43	1	23.4 m	16 m	5 m	2400 kW/m ²	787.0 °C	797.5 °C
44	1	23.4 m	16 m	5 m	1800 kW/m ²	669.6 °C	684.1 °C
47	1	23.4 m	16 m	9 m	2400 kW/m ²	552.1 °C	558.4 °C
48	1	23.4 m	16 m	9 m	1800 kW/m ²	443.1 °C	445.0 °C
51	1	13.0 m	24 m	5 m	2400 kW/m ²	632.2 °C	650.0 °C
52	1	13.0 m	24 m	5 m	1800 kW/m ²	516.8 °C	536.6 °C
55	1	13.0 m	24 m	9 m	2400 kW/m ²	471.2 °C	487.1 °C
56	1	13.0 m	24 m	9 m	1800 kW/m ²	399.8 °C	373.7 °C
59	1	13.0 m	16 m	5 m	2400 kW/m ²	772.1 °C	751.5 °C
60	1	13.0 m	16 m	5 m	1800 kW/m ²	638.9 °C	638.1 °C
63	1	13.0 m	16 m	9 m	2400 kW/m ²	553.0 °C	542.9 °C
64	1	13.0 m	16 m	9 m	1800 kW/m ²	425.3 °C	429.5 °C

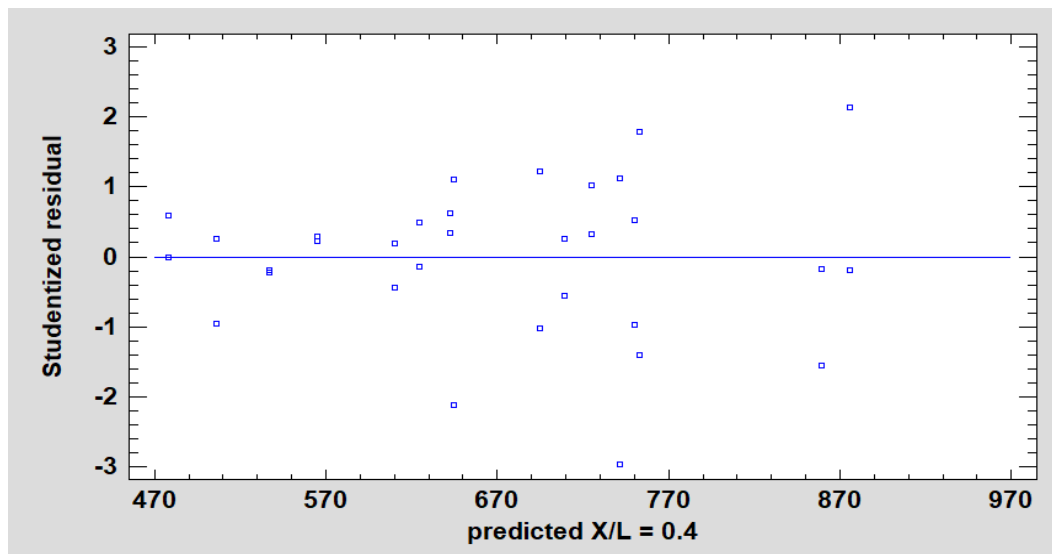
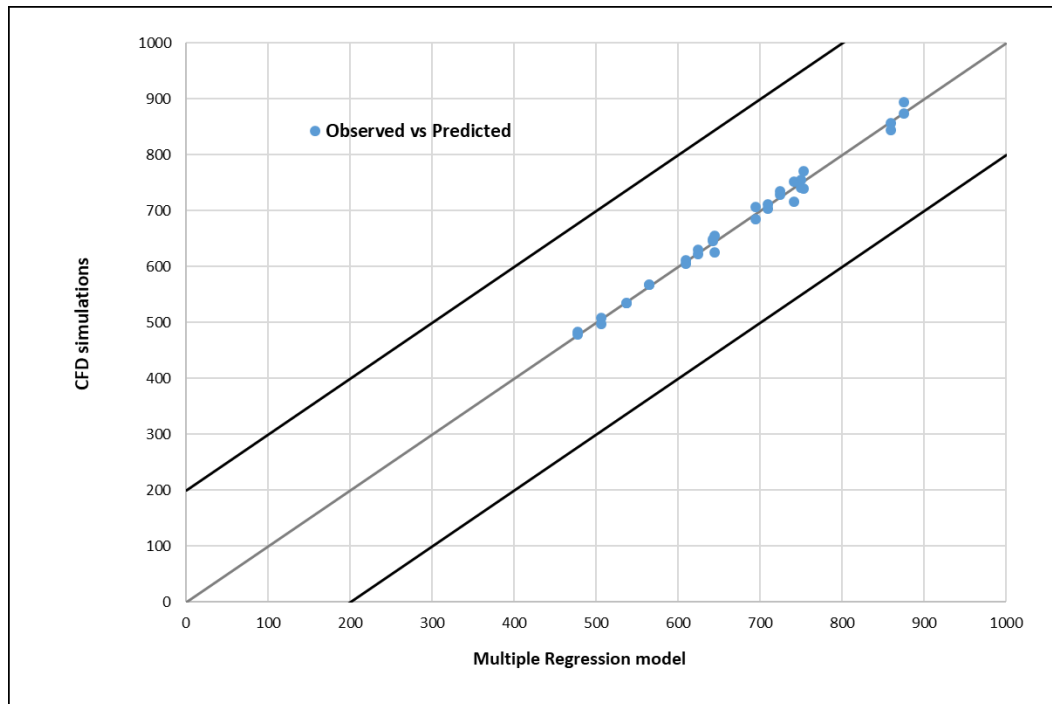


Model	Observed	Predicted	Residual	Studentized Res.
35	732.8 °C	696.0 °C	36.8 °C	3.88
56	399.8 °C	373.7 °C	26.2 °C	2.36



X/L = 0.4 – BOTTOM FLANGE

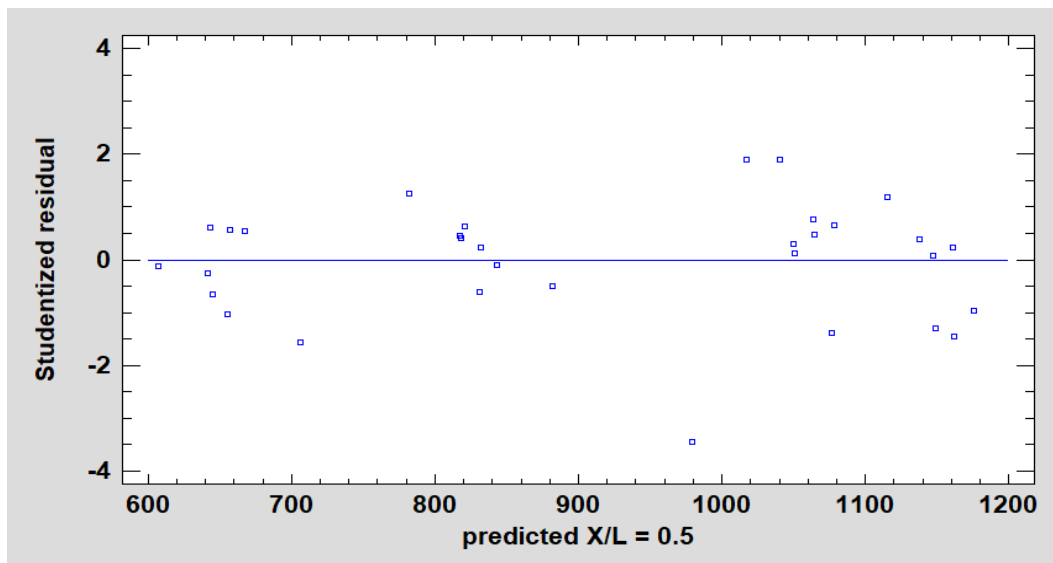
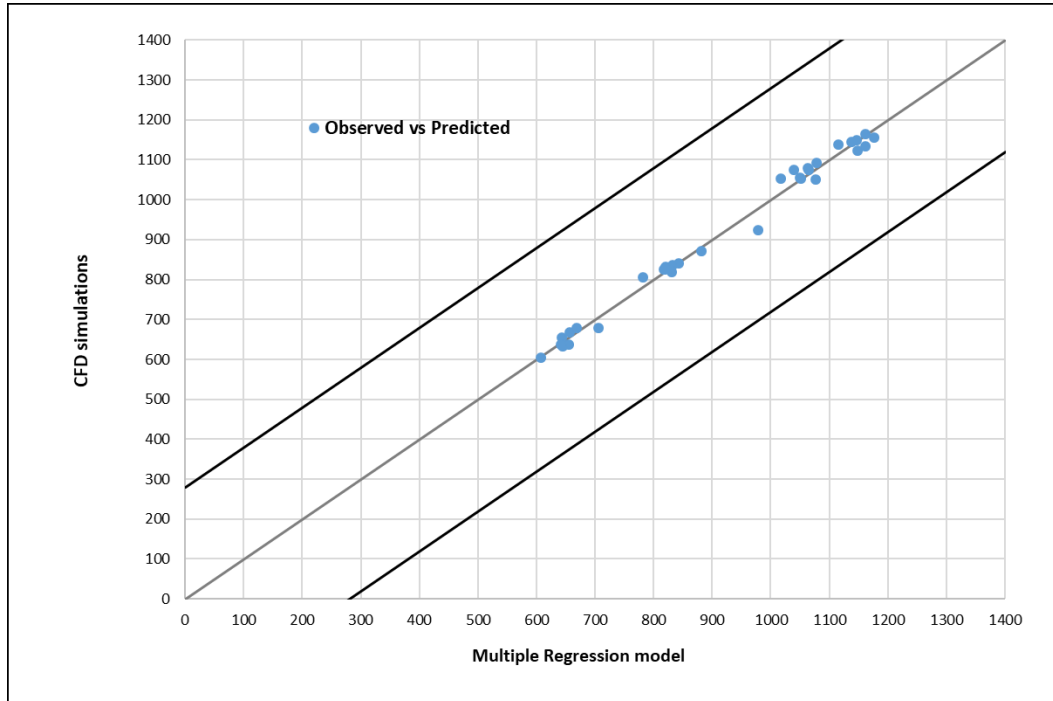
Model	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
3	0	23.4 m	24 m	5 m	2400 kW/m ²	727.9 °C	724.8 °C
4	0	23.4 m	24 m	5 m	1800 kW/m ²	648.6 °C	642.2 °C
7	0	23.4 m	24 m	9 m	2400 kW/m ²	629.4 °C	624.4 °C
8	0	23.4 m	24 m	9 m	1800 kW/m ²	497.0 °C	506.3 °C
11	0	23.4 m	16 m	5 m	2400 kW/m ²	844.6 °C	859.1 °C
12	0	23.4 m	16 m	5 m	1800 kW/m ²	740.5 °C	750.4 °C
15	0	23.4 m	16 m	9 m	2400 kW/m ²	703.8 °C	709.5 °C
16	0	23.4 m	16 m	9 m	1800 kW/m ²	568.0 °C	565.1 °C
19	0	13.0 m	24 m	5 m	2400 kW/m ²	734.6 °C	724.8 °C
20	0	13.0 m	24 m	5 m	1800 kW/m ²	645.7 °C	642.2 °C
23	0	13.0 m	24 m	9 m	2400 kW/m ²	622.9 °C	624.4 °C
24	0	13.0 m	24 m	9 m	1800 kW/m ²	508.8 °C	506.3 °C
27	0	13.0 m	16 m	5 m	2400 kW/m ²	857.4 °C	859.1 °C
28	0	13.0 m	16 m	5 m	1800 kW/m ²	755.8 °C	750.4 °C
31	0	13.0 m	16 m	9 m	2400 kW/m ²	712.1 °C	709.5 °C
32	0	13.0 m	16 m	9 m	1800 kW/m ²	567.3 °C	565.1 °C
35	1	23.4 m	24 m	5 m	2400 kW/m ²	751.9 °C	741.2 °C
36	1	23.4 m	24 m	5 m	1800 kW/m ²	655.9 °C	644.8 °C
39	1	23.4 m	24 m	9 m	2400 kW/m ²	611.8 °C	609.9 °C
40	1	23.4 m	24 m	9 m	1800 kW/m ²	477.8 °C	477.9 °C
43	1	23.4 m	16 m	5 m	2400 kW/m ²	873.7 °C	875.5 °C
44	1	23.4 m	16 m	5 m	1800 kW/m ²	739.1 °C	753.0 °C
47	1	23.4 m	16 m	9 m	2400 kW/m ²	684.8 °C	694.9 °C
48	1	23.4 m	16 m	9 m	1800 kW/m ²	534.5 °C	536.7 °C
51	1	13.0 m	24 m	5 m	2400 kW/m ²	716.4 °C	741.2 °C
52	1	13.0 m	24 m	5 m	1800 kW/m ²	624.9 °C	644.8 °C
55	1	13.0 m	24 m	9 m	2400 kW/m ²	605.5 °C	609.9 °C
56	1	13.0 m	24 m	9 m	1800 kW/m ²	483.8 °C	477.9 °C
59	1	13.0 m	16 m	5 m	2400 kW/m ²	894.8 °C	875.5 °C
60	1	13.0 m	16 m	5 m	1800 kW/m ²	770.2 °C	753.0 °C
63	1	13.0 m	16 m	9 m	2400 kW/m ²	706.9 °C	694.9 °C
64	1	13.0 m	16 m	9 m	1800 kW/m ²	534.9 °C	536.7 °C



Model	Observed	Predicted	Residual	Studentized Res.
51	716.4 °C	741.2 °C	-24.8 °C	-2.97
52	624.9 °C	644.8 °C	-19.9 °C	-2.12
59	894.8 °C	875.5 °C	19.2 °C	2.15

X/L = 0.5 – BOTTOM FLANGE

Model	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
3	0	23.4 m	24 m	5 m	2400 kW/m ²	1123.9 °C	1148.5 °C
4	0	23.4 m	24 m	5 m	1800 kW/m ²	1053.4 °C	1051.1 °C
7	0	23.4 m	24 m	9 m	2400 kW/m ²	826.4 °C	818.5 °C
8	0	23.4 m	24 m	9 m	1800 kW/m ²	654.8 °C	643.1 °C
11	0	23.4 m	16 m	5 m	2400 kW/m ²	1145.3 °C	1137.6 °C
12	0	23.4 m	16 m	5 m	1800 kW/m ²	1074.5 °C	1040.1 °C
15	0	23.4 m	16 m	9 m	2400 kW/m ²	841.4 °C	843.3 °C
16	0	23.4 m	16 m	9 m	1800 kW/m ²	678.2 °C	667.9 °C
19	0	13.0 m	24 m	5 m	2400 kW/m ²	1133.6 °C	1162.3 °C
20	0	13.0 m	24 m	5 m	1800 kW/m ²	1074.4 °C	1064.8 °C
23	0	13.0 m	24 m	9 m	2400 kW/m ²	836.8 °C	832.3 °C
24	0	13.0 m	24 m	9 m	1800 kW/m ²	667.6 °C	656.9 °C
27	0	13.0 m	16 m	5 m	2400 kW/m ²	1156.4 °C	1176.0 °C
28	0	13.0 m	16 m	5 m	1800 kW/m ²	1092.0 °C	1078.5 °C
31	0	13.0 m	16 m	9 m	2400 kW/m ²	872.0 °C	881.7 °C
32	0	13.0 m	16 m	9 m	1800 kW/m ²	678.0 °C	706.3 °C
35	1	23.4 m	24 m	5 m	2400 kW/m ²	1148.6 °C	1147.3 °C
36	1	23.4 m	24 m	5 m	1800 kW/m ²	1055.5 °C	1049.8 °C
39	1	23.4 m	24 m	9 m	2400 kW/m ²	826.1 °C	817.3 °C
40	1	23.4 m	24 m	9 m	1800 kW/m ²	636.8 °C	641.9 °C
43	1	23.4 m	16 m	5 m	2400 kW/m ²	1050.6 °C	1076.5 °C
44	1	23.4 m	16 m	5 m	1800 kW/m ²	924.6 °C	979.1 °C
47	1	23.4 m	16 m	9 m	2400 kW/m ²	806.2 °C	782.2 °C
48	1	23.4 m	16 m	9 m	1800 kW/m ²	604.5 °C	606.8 °C
51	1	13.0 m	24 m	5 m	2400 kW/m ²	1165.5 °C	1161.0 °C
52	1	13.0 m	24 m	5 m	1800 kW/m ²	1078.7 °C	1063.5 °C
55	1	13.0 m	24 m	9 m	2400 kW/m ²	819.6 °C	831.0 °C
56	1	13.0 m	24 m	9 m	1800 kW/m ²	636.4 °C	655.6 °C
59	1	13.0 m	16 m	5 m	2400 kW/m ²	1138.2 °C	1114.9 °C
60	1	13.0 m	16 m	5 m	1800 kW/m ²	1053.1 °C	1017.5 °C
63	1	13.0 m	16 m	9 m	2400 kW/m ²	832.7 °C	820.7 °C
64	1	13.0 m	16 m	9 m	1800 kW/m ²	633.0 °C	645.2 °C

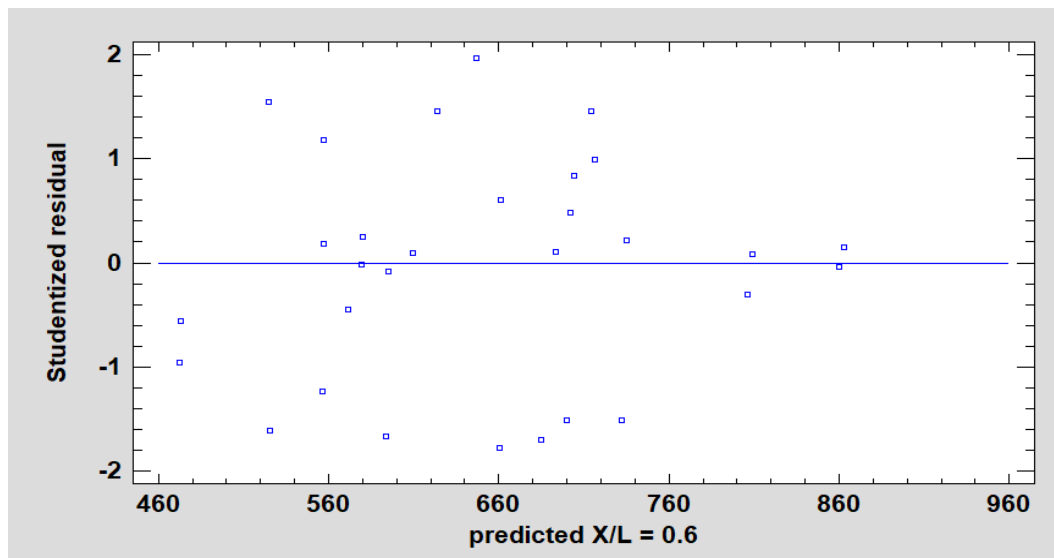
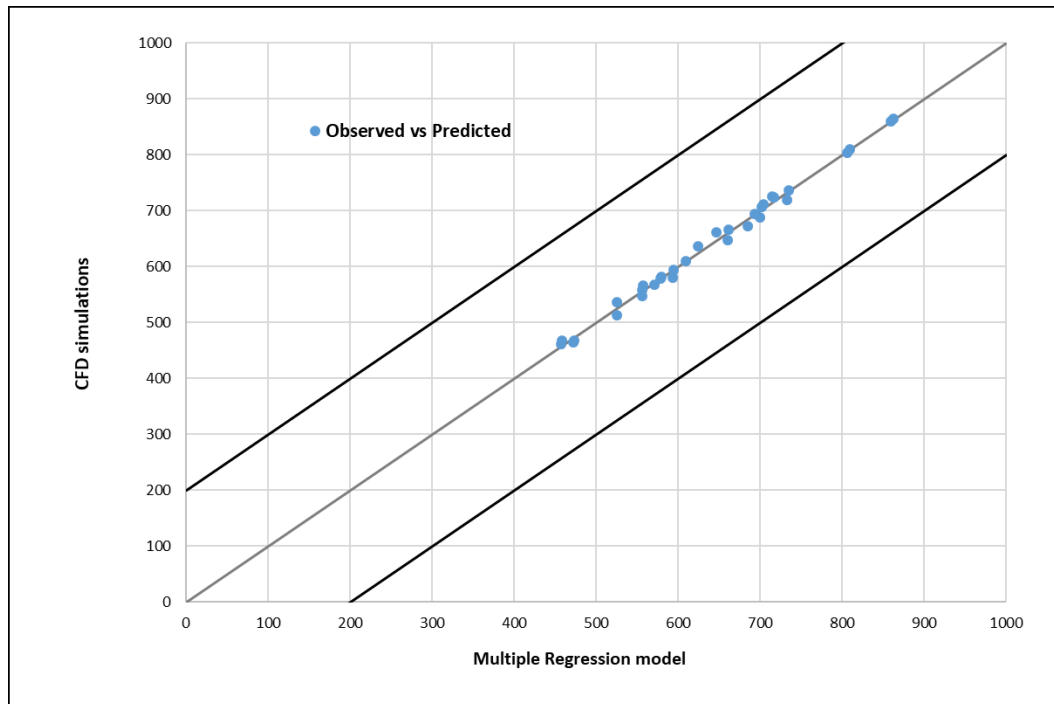


Model	Observed	Predicted	Residual	Studentized Res.
44	924.6 °C	979.1 °C	-54.4 °C	-3.44



X/L = 0.6 – BOTTOM FLANGE

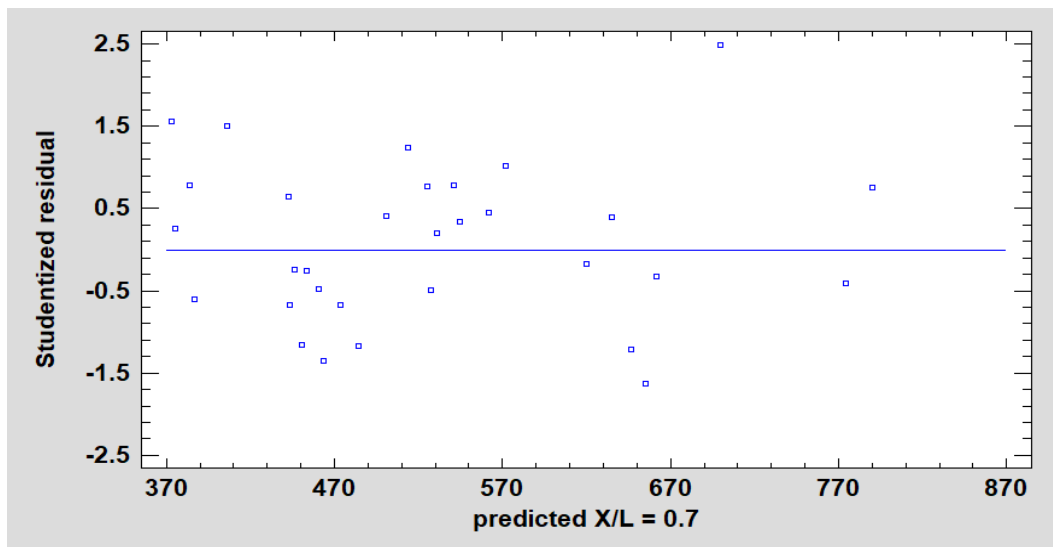
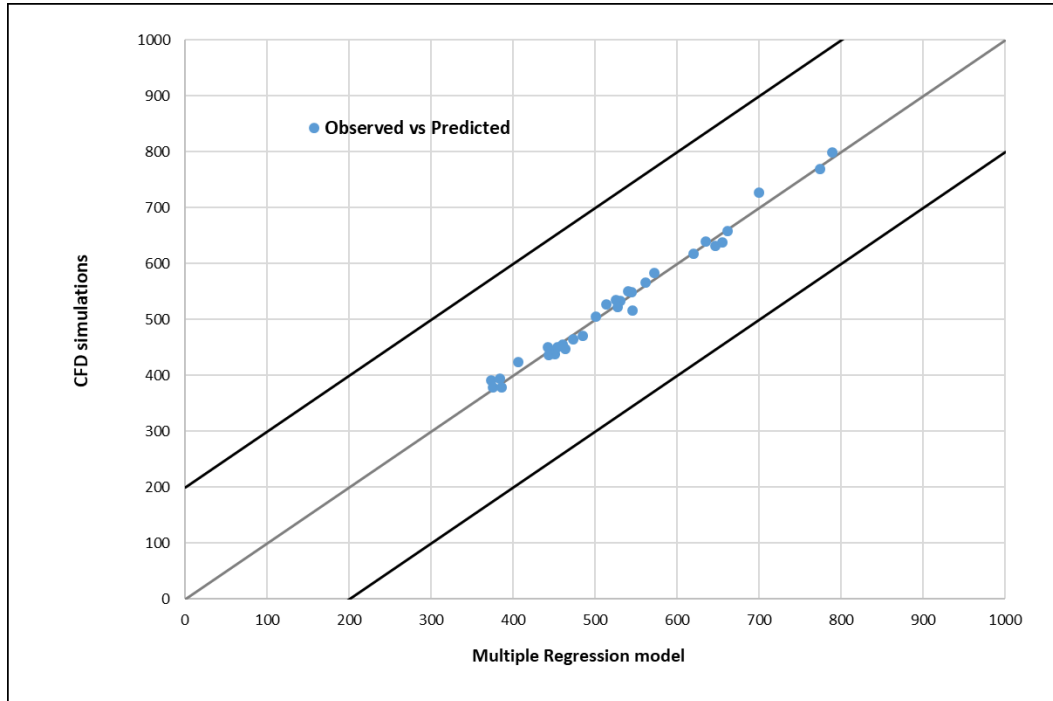
Model	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
3	0	23.4 m	24 m	5 m	2400 kW/m2	647.7 °C	660.8 °C
4	0	23.4 m	24 m	5 m	1800 kW/m2	580.4 °C	593.4 °C
7	0	23.4 m	24 m	9 m	2400 kW/m2	558.4 °C	556.8 °C
8	0	23.4 m	24 m	9 m	1800 kW/m2	460.8 °C	457.6 °C
11	0	23.4 m	16 m	5 m	2400 kW/m2	803.9 °C	806.5 °C
12	0	23.4 m	16 m	5 m	1800 kW/m2	706.1 °C	701.8 °C
15	0	23.4 m	16 m	9 m	2400 kW/m2	666.5 °C	661.5 °C
16	0	23.4 m	16 m	9 m	1800 kW/m2	536.7 °C	525.0 °C
19	0	13.0 m	24 m	5 m	2400 kW/m2	660.8 °C	646.5 °C
20	0	13.0 m	24 m	5 m	1800 kW/m2	579.0 °C	579.1 °C
23	0	13.0 m	24 m	9 m	2400 kW/m2	567.9 °C	571.7 °C
24	0	13.0 m	24 m	9 m	1800 kW/m2	464.7 °C	472.4 °C
27	0	13.0 m	16 m	5 m	2400 kW/m2	809.8 °C	809.1 °C
28	0	13.0 m	16 m	5 m	1800 kW/m2	711.7 °C	704.4 °C
31	0	13.0 m	16 m	9 m	2400 kW/m2	694.1 °C	693.2 °C
32	0	13.0 m	16 m	9 m	1800 kW/m2	547.1 °C	556.7 °C
35	1	23.4 m	24 m	5 m	2400 kW/m2	725.4 °C	714.4 °C
36	1	23.4 m	24 m	5 m	1800 kW/m2	635.7 °C	624.1 °C
39	1	23.4 m	24 m	9 m	2400 kW/m2	582.2 °C	580.1 °C
40	1	23.4 m	24 m	9 m	1800 kW/m2	468.0 °C	458.0 °C
43	1	23.4 m	16 m	5 m	2400 kW/m2	859.7 °C	860.0 °C
44	1	23.4 m	16 m	5 m	1800 kW/m2	719.9 °C	732.5 °C
47	1	23.4 m	16 m	9 m	2400 kW/m2	671.6 °C	684.7 °C
48	1	23.4 m	16 m	9 m	1800 kW/m2	513.2 °C	525.4 °C
51	1	13.0 m	24 m	5 m	2400 kW/m2	688.7 °C	700.1 °C
52	1	13.0 m	24 m	5 m	1800 kW/m2	610.6 °C	609.8 °C
55	1	13.0 m	24 m	9 m	2400 kW/m2	594.2 °C	594.9 °C
56	1	13.0 m	24 m	9 m	1800 kW/m2	468.3 °C	472.9 °C
59	1	13.0 m	16 m	5 m	2400 kW/m2	863.9 °C	862.6 °C
60	1	13.0 m	16 m	5 m	1800 kW/m2	737.0 °C	735.1 °C
63	1	13.0 m	16 m	9 m	2400 kW/m2	724.5 °C	716.5 °C
64	1	13.0 m	16 m	9 m	1800 kW/m2	566.3 °C	557.1 °C





X/L = 0.7 – BOTTOM FLANGE

Model	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
3	0	23.4 m	24 m	5 m	2400 kW/m ²	516.8 °C	545.3 °C
4	0	23.4 m	24 m	5 m	1800 kW/m ²	437.6 °C	450.7 °C
7	0	23.4 m	24 m	9 m	2400 kW/m ²	450.6 °C	453.8 °C
8	0	23.4 m	24 m	9 m	1800 kW/m ²	379.2 °C	386.4 °C
11	0	23.4 m	16 m	5 m	2400 kW/m ²	640.3 °C	635.4 °C
12	0	23.4 m	16 m	5 m	1800 kW/m ²	550.8 °C	540.8 °C
15	0	23.4 m	16 m	9 m	2400 kW/m ²	527.6 °C	513.5 °C
16	0	23.4 m	16 m	9 m	1800 kW/m ²	443.2 °C	446.1 °C
19	0	13.0 m	24 m	5 m	2400 kW/m ²	505.8 °C	501.1 °C
20	0	13.0 m	24 m	5 m	1800 kW/m ²	423.3 °C	406.5 °C
23	0	13.0 m	24 m	9 m	2400 kW/m ²	450.3 °C	442.6 °C
24	0	13.0 m	24 m	9 m	1800 kW/m ²	378.3 °C	375.2 °C
27	0	13.0 m	16 m	5 m	2400 kW/m ²	617.5 °C	619.7 °C
28	0	13.0 m	16 m	5 m	1800 kW/m ²	534.8 °C	525.1 °C
31	0	13.0 m	16 m	9 m	2400 kW/m ²	533.0 °C	530.7 °C
32	0	13.0 m	16 m	9 m	1800 kW/m ²	446.7 °C	463.3 °C
35	1	23.4 m	24 m	5 m	2400 kW/m ²	726.7 °C	699.6 °C
36	1	23.4 m	24 m	5 m	1800 kW/m ²	583.4 °C	571.8 °C
39	1	23.4 m	24 m	9 m	2400 kW/m ²	470.5 °C	484.7 °C
40	1	23.4 m	24 m	9 m	1800 kW/m ²	393.4 °C	384.1 °C
43	1	23.4 m	16 m	5 m	2400 kW/m ²	799.0 °C	789.8 °C
44	1	23.4 m	16 m	5 m	1800 kW/m ²	657.9 °C	662.0 °C
47	1	23.4 m	16 m	9 m	2400 kW/m ²	548.3 °C	544.4 °C
48	1	23.4 m	16 m	9 m	1800 kW/m ²	435.9 °C	443.8 °C
51	1	13.0 m	24 m	5 m	2400 kW/m ²	637.3 °C	655.4 °C
52	1	13.0 m	24 m	5 m	1800 kW/m ²	521.9 °C	527.6 °C
55	1	13.0 m	24 m	9 m	2400 kW/m ²	465.2 °C	473.4 °C
56	1	13.0 m	24 m	9 m	1800 kW/m ²	390.6 °C	372.8 °C
59	1	13.0 m	16 m	5 m	2400 kW/m ²	769.1 °C	774.0 °C
60	1	13.0 m	16 m	5 m	1800 kW/m ²	631.3 °C	646.2 °C
63	1	13.0 m	16 m	9 m	2400 kW/m ²	566.8 °C	561.5 °C
64	1	13.0 m	16 m	9 m	1800 kW/m ²	455.0 °C	460.9 °C

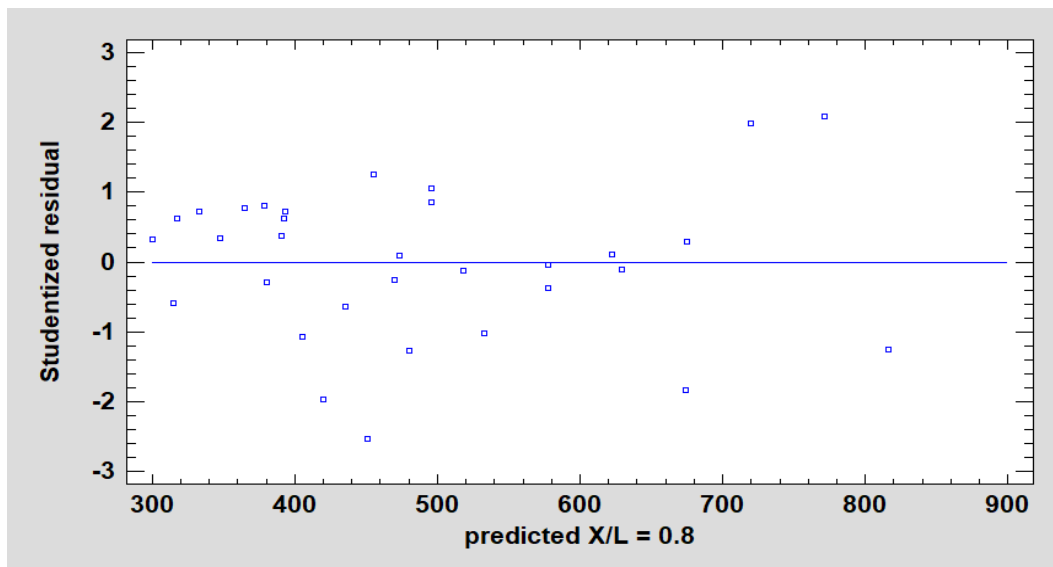
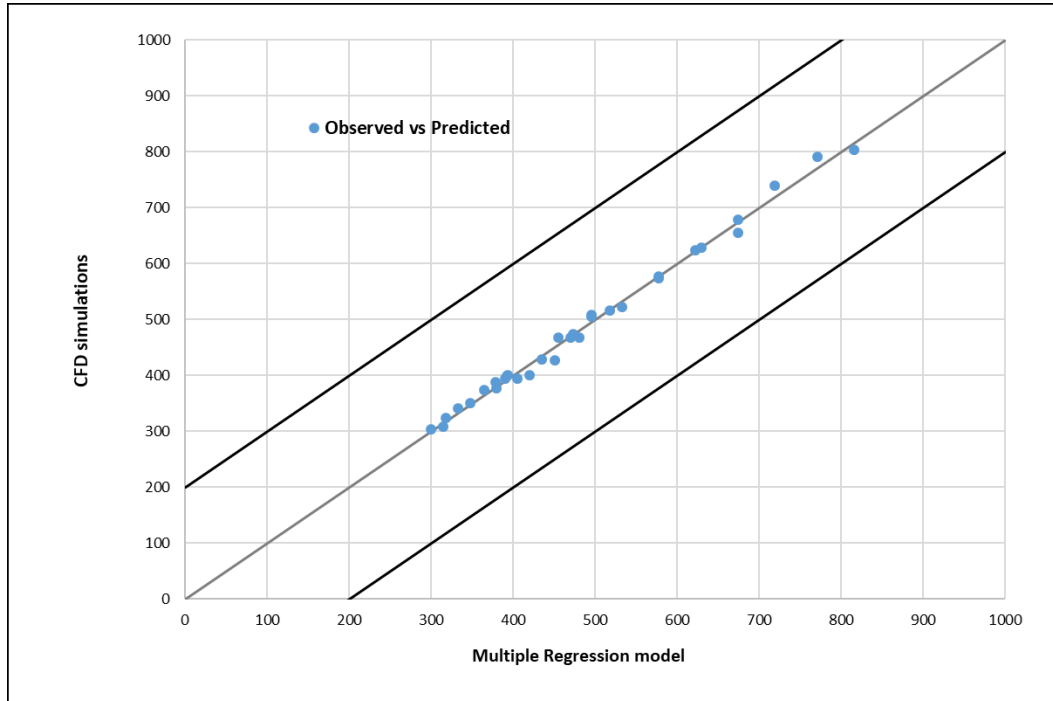


Model	Observed	Predicted	Residual	Studentized Res.
3	516.8 °C	545.3 °C	-28.4 °C	-2.7
35	726.7 °C	699.6 °C	27.1 °C	2.48



X/L = 0.8 – BOTTOM FLANGE

Model	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
3	0	23.4 m	24 m	5 m	2400 kW/m2	507.6 °C	496.1 °C
4	0	23.4 m	24 m	5 m	1800 kW/m2	398.6 °C	392.0 °C
7	0	23.4 m	24 m	9 m	2400 kW/m2	376.8 °C	380.0 °C
8	0	23.4 m	24 m	9 m	1800 kW/m2	308.9 °C	315.2 °C
11	0	23.4 m	16 m	5 m	2400 kW/m2	623.5 °C	622.2 °C
12	0	23.4 m	16 m	5 m	1800 kW/m2	516.8 °C	518.2 °C
15	0	23.4 m	16 m	9 m	2400 kW/m2	467.3 °C	470.1 °C
16	0	23.4 m	16 m	9 m	1800 kW/m2	393.8 °C	405.3 °C
19	0	13.0 m	24 m	5 m	2400 kW/m2	427.4 °C	451.4 °C
20	0	13.0 m	24 m	5 m	1800 kW/m2	351.1 °C	347.3 °C
23	0	13.0 m	24 m	9 m	2400 kW/m2	373.3 °C	365.1 °C
24	0	13.0 m	24 m	9 m	1800 kW/m2	303.8 °C	300.4 °C
27	0	13.0 m	16 m	5 m	2400 kW/m2	573.5 °C	577.5 °C
28	0	13.0 m	16 m	5 m	1800 kW/m2	474.5 °C	473.5 °C
31	0	13.0 m	16 m	9 m	2400 kW/m2	468.3 °C	455.2 °C
32	0	13.0 m	16 m	9 m	1800 kW/m2	394.9 °C	390.4 °C
35	1	23.4 m	24 m	5 m	2400 kW/m2	740.2 °C	719.5 °C
36	1	23.4 m	24 m	5 m	1800 kW/m2	577.4 °C	577.8 °C
39	1	23.4 m	24 m	9 m	2400 kW/m2	427.8 °C	435.1 °C
40	1	23.4 m	24 m	9 m	1800 kW/m2	340.4 °C	332.7 °C
43	1	23.4 m	16 m	5 m	2400 kW/m2	803.0 °C	816.0 °C
44	1	23.4 m	16 m	5 m	1800 kW/m2	655.7 °C	674.3 °C
47	1	23.4 m	16 m	9 m	2400 kW/m2	504.6 °C	495.5 °C
48	1	23.4 m	16 m	9 m	1800 kW/m2	400.9 °C	393.1 °C
51	1	13.0 m	24 m	5 m	2400 kW/m2	677.9 °C	674.8 °C
52	1	13.0 m	24 m	5 m	1800 kW/m2	522.4 °C	533.2 °C
55	1	13.0 m	24 m	9 m	2400 kW/m2	400.5 °C	420.2 °C
56	1	13.0 m	24 m	9 m	1800 kW/m2	324.5 °C	317.9 °C
59	1	13.0 m	16 m	5 m	2400 kW/m2	791.5 °C	771.3 °C
60	1	13.0 m	16 m	5 m	1800 kW/m2	628.3 °C	629.6 °C
63	1	13.0 m	16 m	9 m	2400 kW/m2	467.4 °C	480.6 °C
64	1	13.0 m	16 m	9 m	1800 kW/m2	387.3 °C	378.3 °C

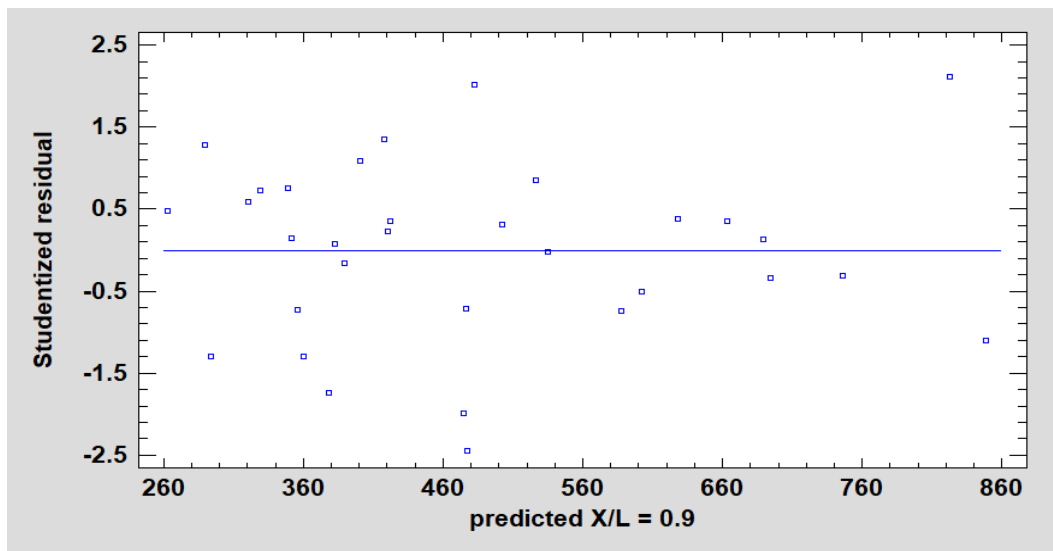
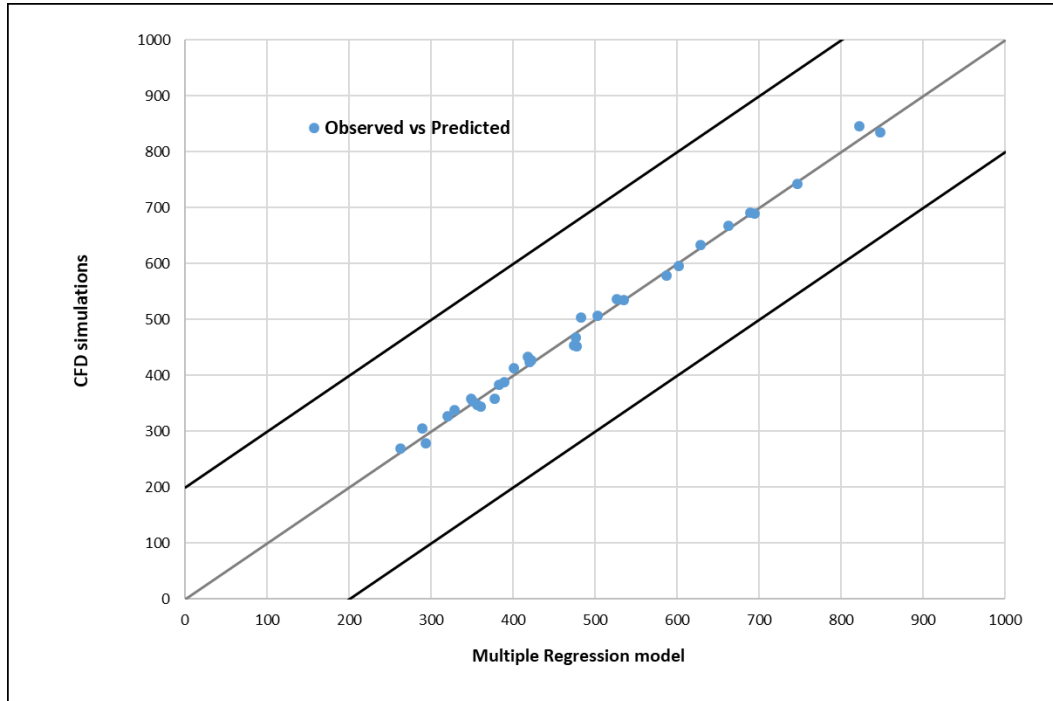


Model	Observed	Predicted	Residual	Studentized Res.
19	427.5 °C	451.4 °C	-24.0 °C	-2.54
59	791.5 °C	771.3 °C	20.3 °C	2.09



X/L = 0.9 – BOTTOM FLANGE

Model	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
3	0	23.4 m	24 m	5 m	2400 kW/m2	536.7 °C	526.4 °C
4	0	23.4 m	24 m	5 m	1800 kW/m2	413.0 °C	400.7 °C
7	0	23.4 m	24 m	9 m	2400 kW/m2	344.6 °C	360.1 °C
8	0	23.4 m	24 m	9 m	1800 kW/m2	278.9 °C	293.8 °C
11	0	23.4 m	16 m	5 m	2400 kW/m2	633.1 °C	628.3 °C
12	0	23.4 m	16 m	5 m	1800 kW/m2	506.5 °C	502.6 °C
15	0	23.4 m	16 m	9 m	2400 kW/m2	426.6 °C	422.4 °C
16	0	23.4 m	16 m	9 m	1800 kW/m2	347.5 °C	356.1 °C
19	0	13.0 m	24 m	5 m	2400 kW/m2	452.9 °C	474.4 °C
20	0	13.0 m	24 m	5 m	1800 kW/m2	357.4 °C	348.6 °C
23	0	13.0 m	24 m	9 m	2400 kW/m2	337.9 °C	329.1 °C
24	0	13.0 m	24 m	9 m	1800 kW/m2	268.6 °C	262.8 °C
27	0	13.0 m	16 m	5 m	2400 kW/m2	596.3 °C	602.4 °C
28	0	13.0 m	16 m	5 m	1800 kW/m2	467.6 °C	476.7 °C
31	0	13.0 m	16 m	9 m	2400 kW/m2	432.8 °C	417.5 °C
32	0	13.0 m	16 m	9 m	1800 kW/m2	353.1 °C	351.3 °C
35	1	23.4 m	24 m	5 m	2400 kW/m2	742.4 °C	746.3 °C
36	1	23.4 m	24 m	5 m	1800 kW/m2	578.8 °C	587.2 °C
39	1	23.4 m	24 m	9 m	2400 kW/m2	423.1 °C	420.2 °C
40	1	23.4 m	24 m	9 m	1800 kW/m2	327.6 °C	320.6 °C
43	1	23.4 m	16 m	5 m	2400 kW/m2	835.1 °C	848.2 °C
44	1	23.4 m	16 m	5 m	1800 kW/m2	690.8 °C	689.1 °C
47	1	23.4 m	16 m	9 m	2400 kW/m2	504.3 °C	482.5 °C
48	1	23.4 m	16 m	9 m	1800 kW/m2	383.8 °C	382.9 °C
51	1	13.0 m	24 m	5 m	2400 kW/m2	690.2 °C	694.2 °C
52	1	13.0 m	24 m	5 m	1800 kW/m2	534.9 °C	535.2 °C
55	1	13.0 m	24 m	9 m	2400 kW/m2	387.2 °C	389.2 °C
56	1	13.0 m	24 m	9 m	1800 kW/m2	304.4 °C	289.6 °C
59	1	13.0 m	16 m	5 m	2400 kW/m2	845.8 °C	822.3 °C
60	1	13.0 m	16 m	5 m	1800 kW/m2	667.6 °C	663.2 °C
63	1	13.0 m	16 m	9 m	2400 kW/m2	452.5 °C	477.6 °C
64	1	13.0 m	16 m	9 m	1800 kW/m2	357.7 °C	378.0 °C

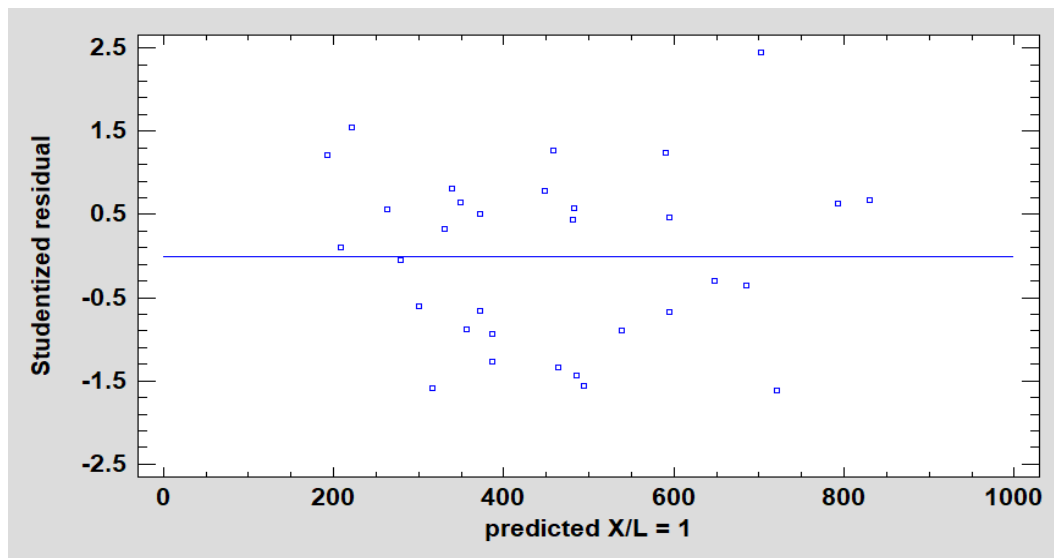
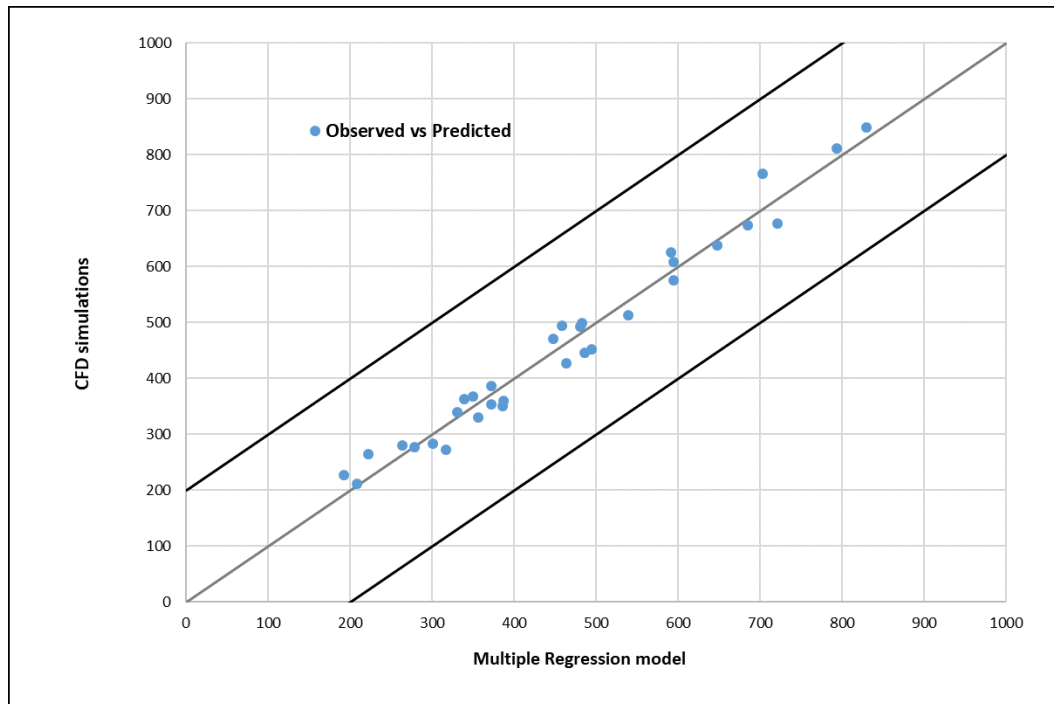


Model	Observed	Predicted	Residual	Studentized Res.
47	504.3 °C	482.5 °C	21.8 °C	2.02
59	845.8 °C	822.3 °C	23.6 °C	2.12
63	452.5 °C	477.6 °C	-25.1 °C	-2.45



X/L = 1 – BOTTOM FLANGE

Model	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
3	0	23.4 m	24 m	5 m	2400 kW/m2	470.7 °C	448.2 °C
4	0	23.4 m	24 m	5 m	1800 kW/m2	362.9 °C	339.8 °C
7	0	23.4 m	24 m	9 m	2400 kW/m2	283.1 °C	300.6 °C
8	0	23.4 m	24 m	9 m	1800 kW/m2	226.2 °C	192.1 °C
11	0	23.4 m	16 m	5 m	2400 kW/m2	574.8 °C	594.3 °C
12	0	23.4 m	16 m	5 m	1800 kW/m2	445.9 °C	485.8 °C
15	0	23.4 m	16 m	9 m	2400 kW/m2	352.9 °C	371.9 °C
16	0	23.4 m	16 m	9 m	1800 kW/m2	279.6 °C	263.5 °C
19	0	13.0 m	24 m	5 m	2400 kW/m2	426.9 °C	464.2 °C
20	0	13.0 m	24 m	5 m	1800 kW/m2	330.4 °C	355.8 °C
23	0	13.0 m	24 m	9 m	2400 kW/m2	272.7 °C	316.6 °C
24	0	13.0 m	24 m	9 m	1800 kW/m2	211.0 °C	208.1 °C
27	0	13.0 m	16 m	5 m	2400 kW/m2	766.0 °C	703.1 °C
28	0	13.0 m	16 m	5 m	1800 kW/m2	608.1 °C	594.6 °C
31	0	13.0 m	16 m	9 m	2400 kW/m2	493.3 °C	480.7 °C
32	0	13.0 m	16 m	9 m	1800 kW/m2	387.0 °C	372.3 °C
35	1	23.4 m	24 m	5 m	2400 kW/m2	638.6 °C	647.4 °C
36	1	23.4 m	24 m	5 m	1800 kW/m2	513.4 °C	539.0 °C
39	1	23.4 m	24 m	9 m	2400 kW/m2	360.1 °C	386.8 °C
40	1	23.4 m	24 m	9 m	1800 kW/m2	277.1 °C	278.4 °C
43	1	23.4 m	16 m	5 m	2400 kW/m2	811.6 °C	793.5 °C
44	1	23.4 m	16 m	5 m	1800 kW/m2	674.7 °C	685.0 °C
47	1	23.4 m	16 m	9 m	2400 kW/m2	494.0 °C	458.1 °C
48	1	23.4 m	16 m	9 m	1800 kW/m2	368.3 °C	349.7 °C
51	1	13.0 m	24 m	5 m	2400 kW/m2	625.8 °C	591.0 °C
52	1	13.0 m	24 m	5 m	1800 kW/m2	499.1 °C	482.5 °C
55	1	13.0 m	24 m	9 m	2400 kW/m2	339.9 °C	330.4 °C
56	1	13.0 m	24 m	9 m	1800 kW/m2	264.8 °C	221.9 °C
59	1	13.0 m	16 m	5 m	2400 kW/m2	849.4 °C	829.9 °C
60	1	13.0 m	16 m	5 m	1800 kW/m2	676.9 °C	721.4 °C
63	1	13.0 m	16 m	9 m	2400 kW/m2	451.3 °C	494.5 °C
64	1	13.0 m	16 m	9 m	1800 kW/m2	350.4 °C	386.1 °C

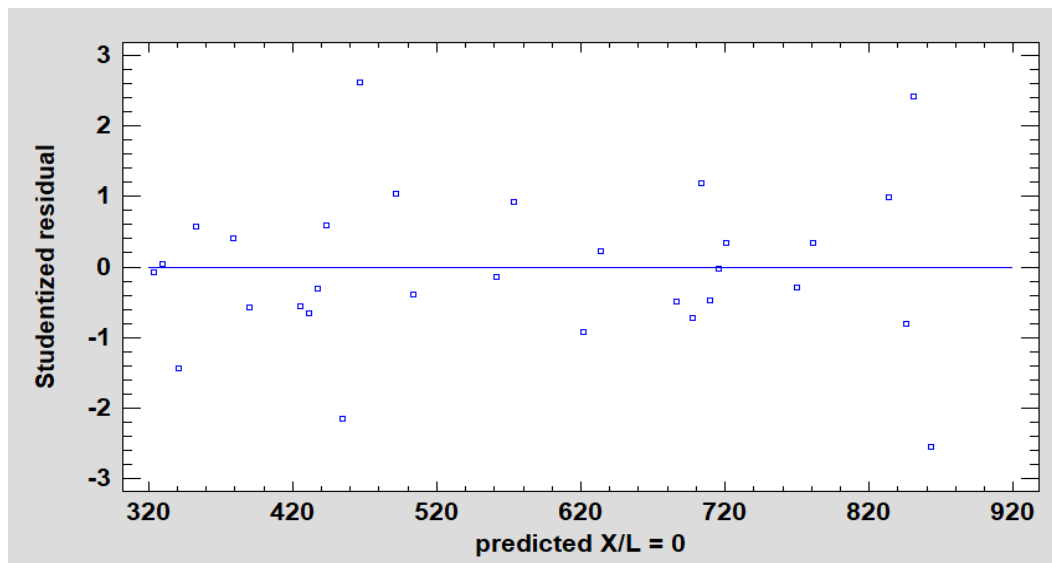
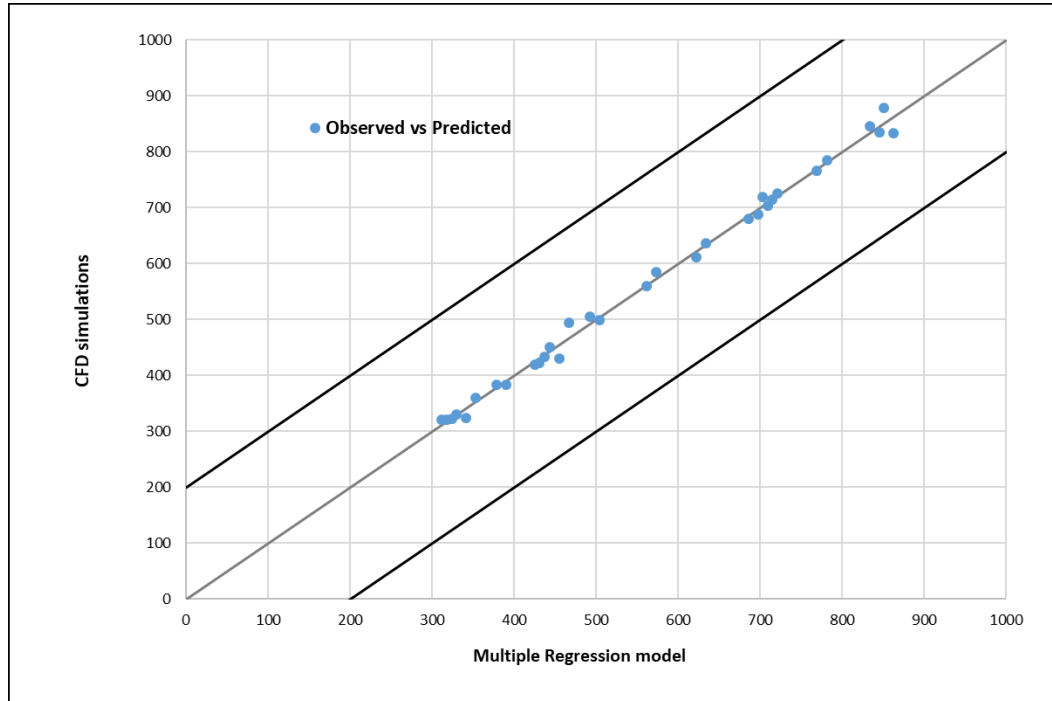


Model	Observed	Predicted	Residual	Studentized Res.
27	766.0 °C	703.1 °C	62.9 °C	2.44



X/L = 0 – WEB

Model	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
3	0	23.4 m	24 m	5 m	2400 kW/m2	725.2 °C	721.1 °C
4	0	23.4 m	24 m	5 m	1800 kW/m2	584.6 °C	573.4 °C
7	0	23.4 m	24 m	9 m	2400 kW/m2	433.5 °C	437.5 °C
8	0	23.4 m	24 m	9 m	1800 kW/m2	322.9 °C	323.8 °C
11	0	23.4 m	16 m	5 m	2400 kW/m2	835.2 °C	845.5 °C
12	0	23.4 m	16 m	5 m	1800 kW/m2	688.6 °C	697.9 °C
15	0	23.4 m	16 m	9 m	2400 kW/m2	499.0 °C	503.9 °C
16	0	23.4 m	16 m	9 m	1800 kW/m2	383.3 °C	390.2 °C
19	0	13.0 m	24 m	5 m	2400 kW/m2	703.4 °C	709.3 °C
20	0	13.0 m	24 m	5 m	1800 kW/m2	560.0 °C	561.6 °C
23	0	13.0 m	24 m	9 m	2400 kW/m2	418.7 °C	425.7 °C
24	0	13.0 m	24 m	9 m	1800 kW/m2	321.2 °C	312.0 °C
27	0	13.0 m	16 m	5 m	2400 kW/m2	846.3 °C	833.7 °C
28	0	13.0 m	16 m	5 m	1800 kW/m2	679.7 °C	686.1 °C
31	0	13.0 m	16 m	9 m	2400 kW/m2	504.7 °C	492.1 °C
32	0	13.0 m	16 m	9 m	1800 kW/m2	383.5 °C	378.4 °C
35	1	23.4 m	24 m	5 m	2400 kW/m2	785.6 °C	781.4 °C
36	1	23.4 m	24 m	5 m	1800 kW/m2	636.4 °C	633.7 °C
39	1	23.4 m	24 m	9 m	2400 kW/m2	450.5 °C	443.0 °C
40	1	23.4 m	24 m	9 m	1800 kW/m2	329.9 °C	329.4 °C
43	1	23.4 m	16 m	5 m	2400 kW/m2	833.9 °C	862.9 °C
44	1	23.4 m	16 m	5 m	1800 kW/m2	715.1 °C	715.3 °C
47	1	23.4 m	16 m	9 m	2400 kW/m2	494.9 °C	466.6 °C
48	1	23.4 m	16 m	9 m	1800 kW/m2	360.1 °C	352.9 °C
51	1	13.0 m	24 m	5 m	2400 kW/m2	766.0 °C	769.6 °C
52	1	13.0 m	24 m	5 m	1800 kW/m2	610.7 °C	621.9 °C
55	1	13.0 m	24 m	9 m	2400 kW/m2	422.9 °C	431.2 °C
56	1	13.0 m	24 m	9 m	1800 kW/m2	320.6 °C	317.6 °C
59	1	13.0 m	16 m	5 m	2400 kW/m2	879.0 °C	851.1 °C
60	1	13.0 m	16 m	5 m	1800 kW/m2	718.5 °C	703.5 °C
63	1	13.0 m	16 m	9 m	2400 kW/m2	430.5 °C	454.7 °C
64	1	13.0 m	16 m	9 m	1800 kW/m2	324.0 °C	341.1 °C

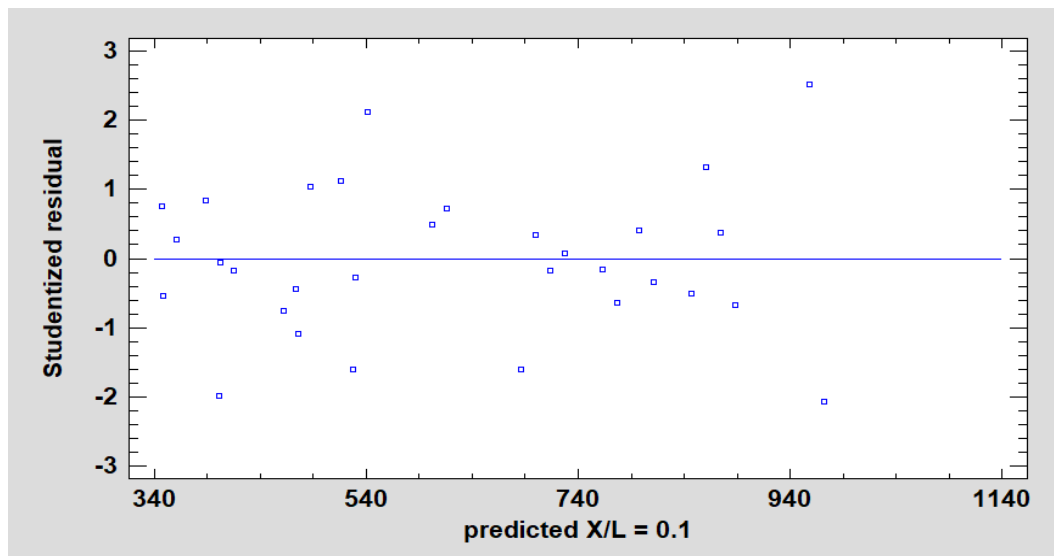
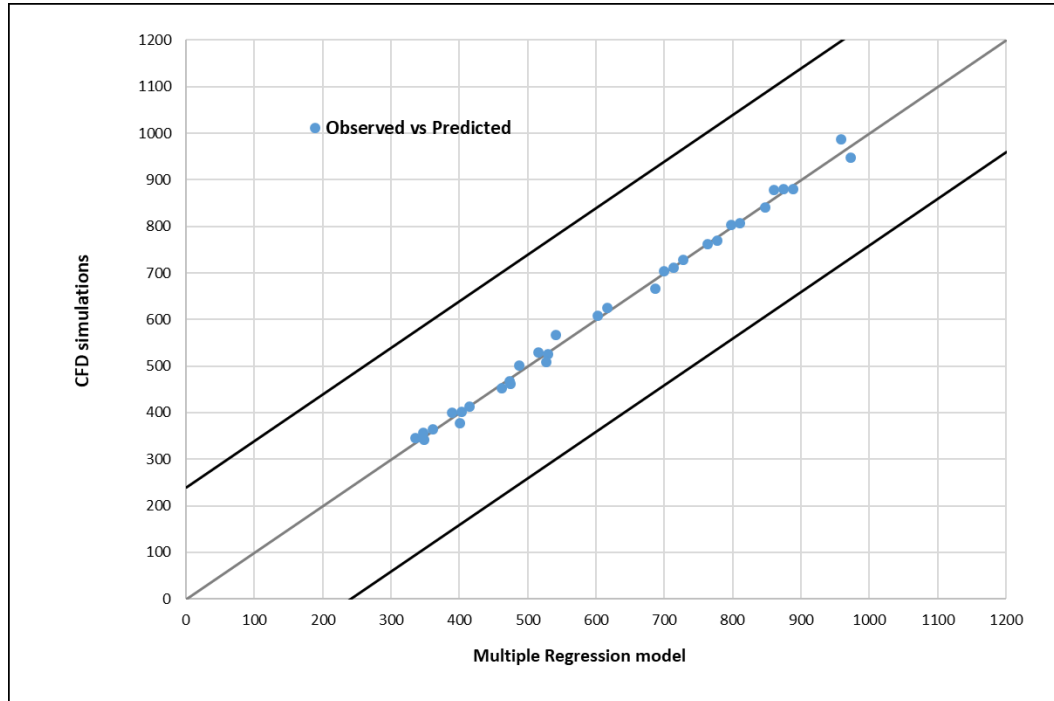


Model	Observed	Predicted	Residual	Studentized Res.
43	833.9 °C	863.0 °C	-29.1 °C	-2.55
47	494.9 °C	466.6 °C	28.3 °C	2.63
59	879.0 °C	851.1 °C	27.9 °C	2.42
63	430.5 °C	454.7 °C	-24.3 °C	-2.16



X/L = 0.1 – WEB

Model	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
3	0	23.4 m	24 m	5 m	2400 kW/m2	768.7 °C	777.0 °C
4	0	23.4 m	24 m	5 m	1800 kW/m2	625.2 °C	615.9 °C
7	0	23.4 m	24 m	9 m	2400 kW/m2	461.7 °C	475.3 °C
8	0	23.4 m	24 m	9 m	1800 kW/m2	341.7 °C	348.6 °C
11	0	23.4 m	16 m	5 m	2400 kW/m2	879.5 °C	888.3 °C
12	0	23.4 m	16 m	5 m	1800 kW/m2	728.2 °C	727.1 °C
15	0	23.4 m	16 m	9 m	2400 kW/m2	525.9 °C	529.4 °C
16	0	23.4 m	16 m	9 m	1800 kW/m2	402.0 °C	402.7 °C
19	0	13.0 m	24 m	5 m	2400 kW/m2	761.2 °C	763.4 °C
20	0	13.0 m	24 m	5 m	1800 kW/m2	608.5 °C	602.3 °C
23	0	13.0 m	24 m	9 m	2400 kW/m2	452.1 °C	461.7 °C
24	0	13.0 m	24 m	9 m	1800 kW/m2	344.6 °C	335.0 °C
27	0	13.0 m	16 m	5 m	2400 kW/m2	879.4 °C	874.6 °C
28	0	13.0 m	16 m	5 m	1800 kW/m2	711.2 °C	713.5 °C
31	0	13.0 m	16 m	9 m	2400 kW/m2	529.8 °C	515.7 °C
32	0	13.0 m	16 m	9 m	1800 kW/m2	399.7 °C	389.0 °C
35	1	23.4 m	24 m	5 m	2400 kW/m2	877.5 °C	861.0 °C
36	1	23.4 m	24 m	5 m	1800 kW/m2	704.2 °C	699.8 °C
39	1	23.4 m	24 m	9 m	2400 kW/m2	500.4 °C	487.3 °C
40	1	23.4 m	24 m	9 m	1800 kW/m2	364.1 °C	360.6 °C
43	1	23.4 m	16 m	5 m	2400 kW/m2	947.7 °C	972.2 °C
44	1	23.4 m	16 m	5 m	1800 kW/m2	806.8 °C	811.1 °C
47	1	23.4 m	16 m	9 m	2400 kW/m2	566.3 °C	541.3 °C
48	1	23.4 m	16 m	9 m	1800 kW/m2	412.4 °C	414.6 °C
51	1	13.0 m	24 m	5 m	2400 kW/m2	840.9 °C	847.3 °C
52	1	13.0 m	24 m	5 m	1800 kW/m2	666.6 °C	686.2 °C
55	1	13.0 m	24 m	9 m	2400 kW/m2	468.0 °C	473.7 °C
56	1	13.0 m	24 m	9 m	1800 kW/m2	356.7 °C	347.0 °C
59	1	13.0 m	16 m	5 m	2400 kW/m2	987.4 °C	958.6 °C
60	1	13.0 m	16 m	5 m	1800 kW/m2	802.8 °C	797.5 °C
63	1	13.0 m	16 m	9 m	2400 kW/m2	508.0 °C	527.7 °C
64	1	13.0 m	16 m	9 m	1800 kW/m2	377.3 °C	401.0 °C

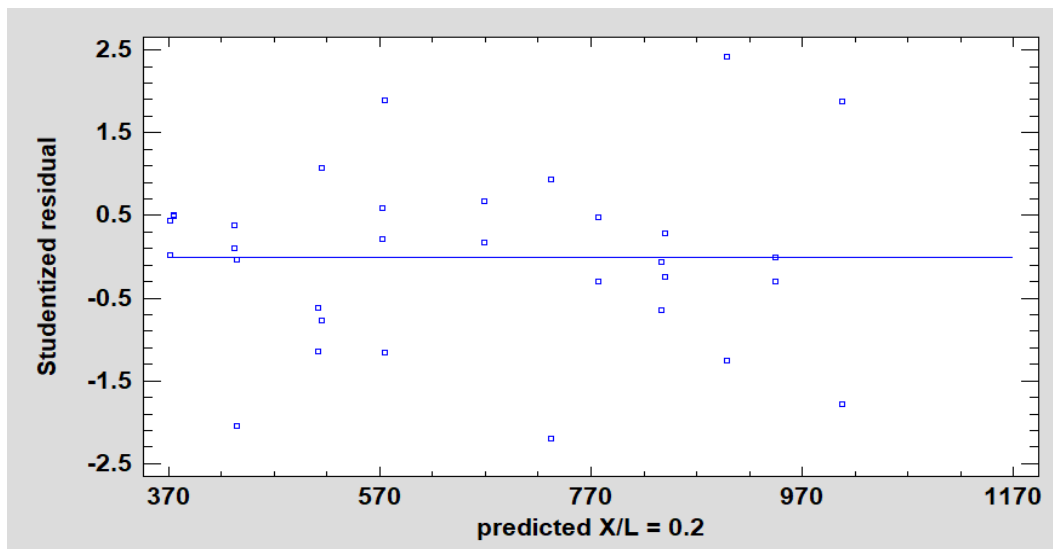
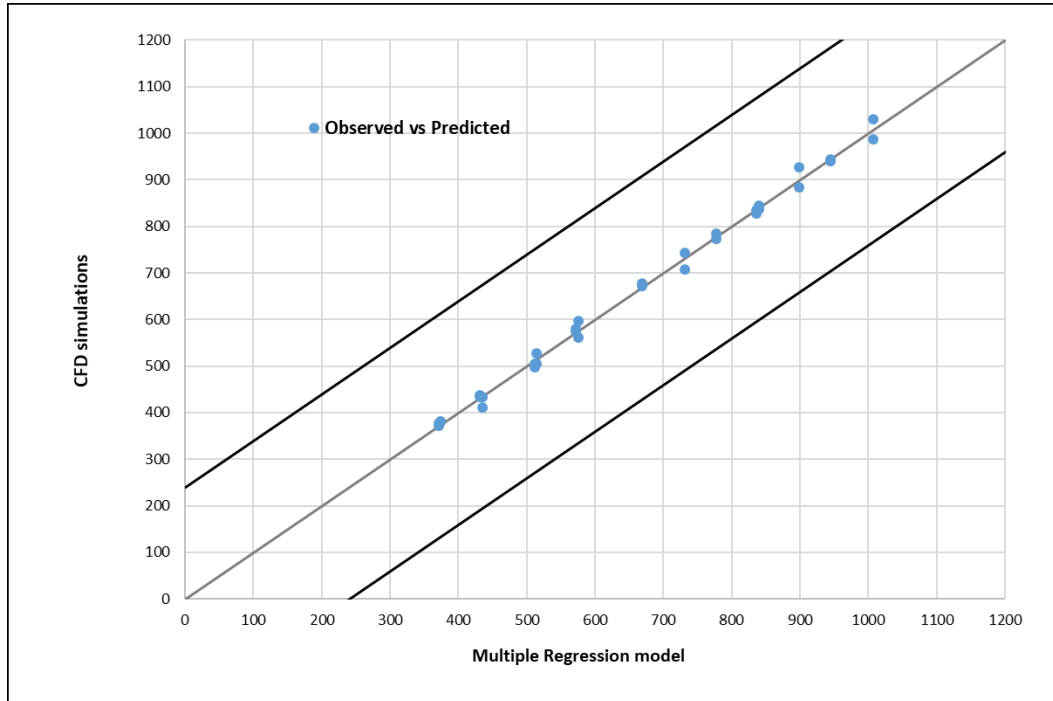


Model	Observed	Predicted	Residual	Studentized Res.
43	947.7 °C	972.2 °C	-24.5 °C	-2.07
47	566.3 °C	541.3 °C	25.0 °C	2.12
59	987.4 °C	958.6 °C	28.8 °C	2.52



X/L = 0.2 – WEB

Model	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
3	0	23.4 m	24 m	5 m	2400 kW/m2	828.1 °C	836.3 °C
4	0	23.4 m	24 m	5 m	1800 kW/m2	677.5 °C	669.1 °C
7	0	23.4 m	24 m	9 m	2400 kW/m2	504.5 °C	512.2 °C
8	0	23.4 m	24 m	9 m	1800 kW/m2	372.0 °C	371.8 °C
11	0	23.4 m	16 m	5 m	2400 kW/m2	940.7 °C	944.5 °C
12	0	23.4 m	16 m	5 m	1800 kW/m2	783.4 °C	777.3 °C
15	0	23.4 m	16 m	9 m	2400 kW/m2	575.0 °C	572.4 °C
16	0	23.4 m	16 m	9 m	1800 kW/m2	436.8 °C	432.0 °C
19	0	13.0 m	24 m	5 m	2400 kW/m2	835.4 °C	836.3 °C
20	0	13.0 m	24 m	5 m	1800 kW/m2	671.4 °C	669.1 °C
23	0	13.0 m	24 m	9 m	2400 kW/m2	497.9 °C	512.2 °C
24	0	13.0 m	24 m	9 m	1800 kW/m2	377.3 °C	371.8 °C
27	0	13.0 m	16 m	5 m	2400 kW/m2	944.4 °C	944.5 °C
28	0	13.0 m	16 m	5 m	1800 kW/m2	773.5 °C	777.3 °C
31	0	13.0 m	16 m	9 m	2400 kW/m2	579.8 °C	572.4 °C
32	0	13.0 m	16 m	9 m	1800 kW/m2	433.3 °C	432.0 °C
35	1	23.4 m	24 m	5 m	2400 kW/m2	926.7 °C	899.2 °C
36	1	23.4 m	24 m	5 m	1800 kW/m2	743.6 °C	732.0 °C
39	1	23.4 m	24 m	9 m	2400 kW/m2	528.2 °C	514.9 °C
40	1	23.4 m	24 m	9 m	1800 kW/m2	380.9 °C	374.5 °C
43	1	23.4 m	16 m	5 m	2400 kW/m2	986.2 °C	1007.4 °C
44	1	23.4 m	16 m	5 m	1800 kW/m2	837.2 °C	840.2 °C
47	1	23.4 m	16 m	9 m	2400 kW/m2	597.4 °C	575.0 °C
48	1	23.4 m	16 m	9 m	1800 kW/m2	434.3 °C	434.7 °C
51	1	13.0 m	24 m	5 m	2400 kW/m2	883.7 °C	899.2 °C
52	1	13.0 m	24 m	5 m	1800 kW/m2	706.6 °C	732.0 °C
55	1	13.0 m	24 m	9 m	2400 kW/m2	505.1 °C	514.9 °C
56	1	13.0 m	24 m	9 m	1800 kW/m2	380.7 °C	374.5 °C
59	1	13.0 m	16 m	5 m	2400 kW/m2	1029.6 °C	1007.4 °C
60	1	13.0 m	16 m	5 m	1800 kW/m2	843.9 °C	840.2 °C
63	1	13.0 m	16 m	9 m	2400 kW/m2	560.8 °C	575.0 °C
64	1	13.0 m	16 m	9 m	1800 kW/m2	410.7 °C	434.7 °C

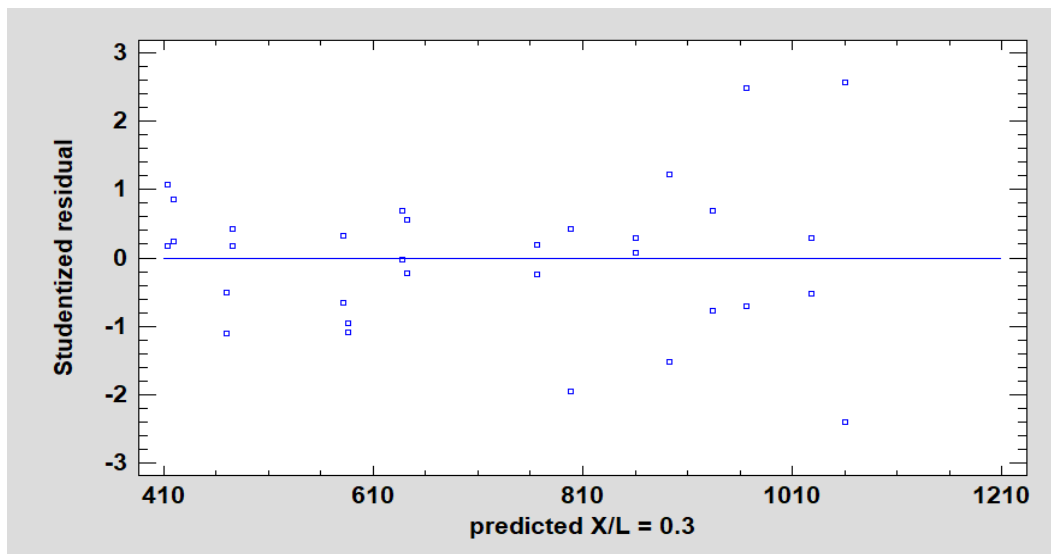
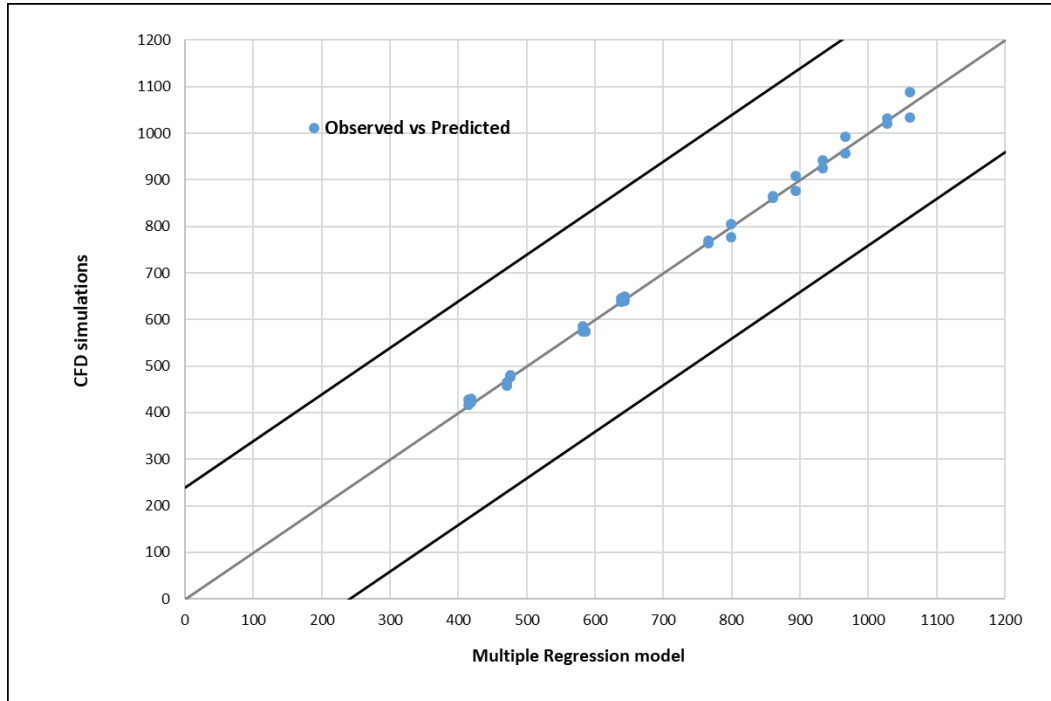


Model	Observed	Predicted	Residual	Studentized Res.
35	926.7 °C	899.2 °C	27.5 °C	2.42
52	706.6 °C	732.0 °C	-25.3 °C	-2.19
64	410.7 °C	434.7 °C	-24.0 °C	-2.05



X/L = 0.3 – WEB

Model	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
3	0	23.4 m	24 m	5 m	2400 kW/m2	924.1 °C	933.5 °C
4	0	23.4 m	24 m	5 m	1800 kW/m2	763.2 °C	766.2 °C
7	0	23.4 m	24 m	9 m	2400 kW/m2	575.0 °C	586.5 °C
8	0	23.4 m	24 m	9 m	1800 kW/m2	422.1 °C	419.1 °C
11	0	23.4 m	16 m	5 m	2400 kW/m2	1021.5 °C	1027.8 °C
12	0	23.4 m	16 m	5 m	1800 kW/m2	861.4 °C	860.5 °C
15	0	23.4 m	16 m	9 m	2400 kW/m2	640.0 °C	642.8 °C
16	0	23.4 m	16 m	9 m	1800 kW/m2	480.6 °C	475.5 °C
19	0	13.0 m	24 m	5 m	2400 kW/m2	941.9 °C	933.5 °C
20	0	13.0 m	24 m	5 m	1800 kW/m2	768.4 °C	766.2 °C
23	0	13.0 m	24 m	9 m	2400 kW/m2	573.4 °C	586.5 °C
24	0	13.0 m	24 m	9 m	1800 kW/m2	429.5 °C	419.1 °C
27	0	13.0 m	16 m	5 m	2400 kW/m2	1031.3 °C	1027.8 °C
28	0	13.0 m	16 m	5 m	1800 kW/m2	864.1 °C	860.5 °C
31	0	13.0 m	16 m	9 m	2400 kW/m2	649.5 °C	642.8 °C
32	0	13.0 m	16 m	9 m	1800 kW/m2	477.5 °C	475.5 °C
35	1	23.4 m	24 m	5 m	2400 kW/m2	993.4 °C	966.2 °C
36	1	23.4 m	24 m	5 m	1800 kW/m2	804.1 °C	798.9 °C
39	1	23.4 m	24 m	9 m	2400 kW/m2	585.7 °C	581.7 °C
40	1	23.4 m	24 m	9 m	1800 kW/m2	416.5 °C	414.3 °C
43	1	23.4 m	16 m	5 m	2400 kW/m2	1034.1 °C	1060.5 °C
44	1	23.4 m	16 m	5 m	1800 kW/m2	875.3 °C	893.2 °C
47	1	23.4 m	16 m	9 m	2400 kW/m2	646.4 °C	638.0 °C
48	1	23.4 m	16 m	9 m	1800 kW/m2	464.6 °C	470.7 °C
51	1	13.0 m	24 m	5 m	2400 kW/m2	957.6 °C	966.2 °C
52	1	13.0 m	24 m	5 m	1800 kW/m2	776.6 °C	798.9 °C
55	1	13.0 m	24 m	9 m	2400 kW/m2	573.7 °C	581.7 °C
56	1	13.0 m	24 m	9 m	1800 kW/m2	427.3 °C	414.3 °C
59	1	13.0 m	16 m	5 m	2400 kW/m2	1088.5 °C	1060.5 °C
60	1	13.0 m	16 m	5 m	1800 kW/m2	907.8 °C	893.2 °C
63	1	13.0 m	16 m	9 m	2400 kW/m2	637.7 °C	638.0 °C
64	1	13.0 m	16 m	9 m	1800 kW/m2	457.4 °C	470.7 °C

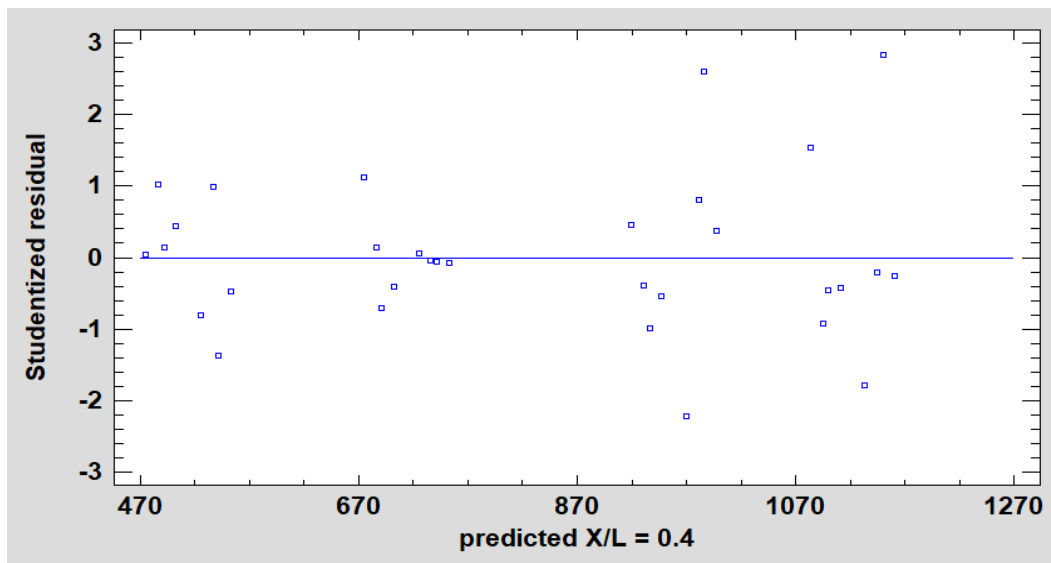
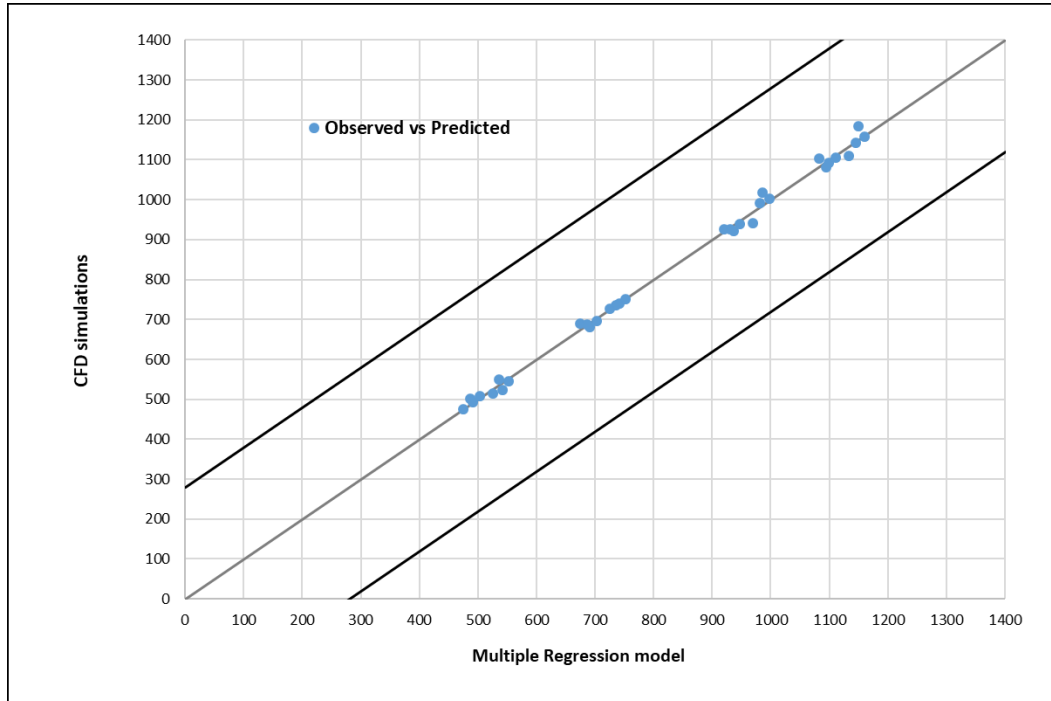


Model	Observed	Predicted	Residual	Studentized Res.
35	993.4 °C	966.2 °C	27.2 °C	2.49
39	1034.1 °C	1060.5 °C	-26.5 °C	-2.4
59	1088.5 °C	1060.5 °C	28.0 °C	2.57



X/L = 0.4 – WEB

Model	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
3	0	23.4 m	24 m	5 m	2400 kW/m2	1081.7 °C	1094.6 °C
4	0	23.4 m	24 m	5 m	1800 kW/m2	925.6 °C	931.0 °C
7	0	23.4 m	24 m	9 m	2400 kW/m2	688.2 °C	686.1 °C
8	0	23.4 m	24 m	9 m	1800 kW/m2	500.9 °C	486.7 °C
11	0	23.4 m	16 m	5 m	2400 kW/m2	1141.6 °C	1144.6 °C
12	0	23.4 m	16 m	5 m	1800 kW/m2	992.3 °C	981.0 °C
15	0	23.4 m	16 m	9 m	2400 kW/m2	735.4 °C	736.1 °C
16	0	23.4 m	16 m	9 m	1800 kW/m2	550.4 °C	536.7 °C
19	0	13.0 m	24 m	5 m	2400 kW/m2	1104.9 °C	1110.8 °C
20	0	13.0 m	24 m	5 m	1800 kW/m2	939.6 °C	947.3 °C
23	0	13.0 m	24 m	9 m	2400 kW/m2	696.5 °C	702.3 °C
24	0	13.0 m	24 m	9 m	1800 kW/m2	509.0 °C	502.9 °C
27	0	13.0 m	16 m	5 m	2400 kW/m2	1157.2 °C	1160.8 °C
28	0	13.0 m	16 m	5 m	1800 kW/m2	1002.6 °C	997.3 °C
31	0	13.0 m	16 m	9 m	2400 kW/m2	751.2 °C	752.3 °C
32	0	13.0 m	16 m	9 m	1800 kW/m2	546.2 °C	552.9 °C
35	1	23.4 m	24 m	5 m	2400 kW/m2	1104.2 °C	1083.4 °C
36	1	23.4 m	24 m	5 m	1800 kW/m2	926.2 °C	919.8 °C
39	1	23.4 m	24 m	9 m	2400 kW/m2	690.4 °C	674.9 °C
40	1	23.4 m	24 m	9 m	1800 kW/m2	476.2 °C	475.5 °C
43	1	23.4 m	16 m	5 m	2400 kW/m2	1109.5 °C	1133.4 °C
44	1	23.4 m	16 m	5 m	1800 kW/m2	941.3 °C	969.9 °C
47	1	23.4 m	16 m	9 m	2400 kW/m2	725.8 °C	724.9 °C
48	1	23.4 m	16 m	9 m	1800 kW/m2	514.2 °C	525.5 °C
51	1	13.0 m	24 m	5 m	2400 kW/m2	1093.2 °C	1099.6 °C
52	1	13.0 m	24 m	5 m	1800 kW/m2	922.3 °C	936.1 °C
55	1	13.0 m	24 m	9 m	2400 kW/m2	681.2 °C	691.1 °C
56	1	13.0 m	24 m	9 m	1800 kW/m2	493.7 °C	491.7 °C
59	1	13.0 m	16 m	5 m	2400 kW/m2	1184.3 °C	1149.6 °C
60	1	13.0 m	16 m	5 m	1800 kW/m2	1018.6 °C	986.1 °C
63	1	13.0 m	16 m	9 m	2400 kW/m2	740.3 °C	741.1 °C
64	1	13.0 m	16 m	9 m	1800 kW/m2	522.9 °C	541.7 °C

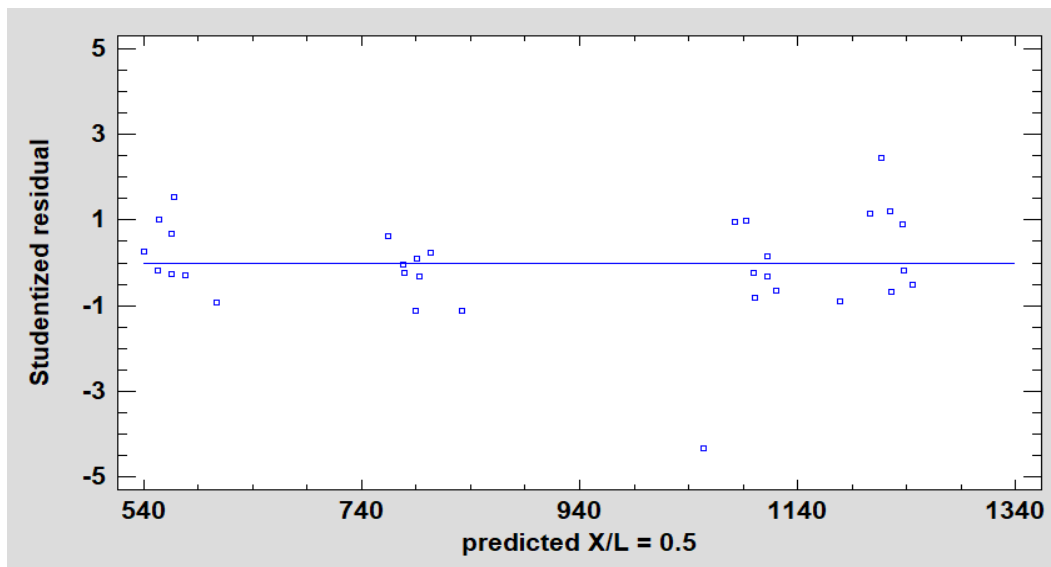
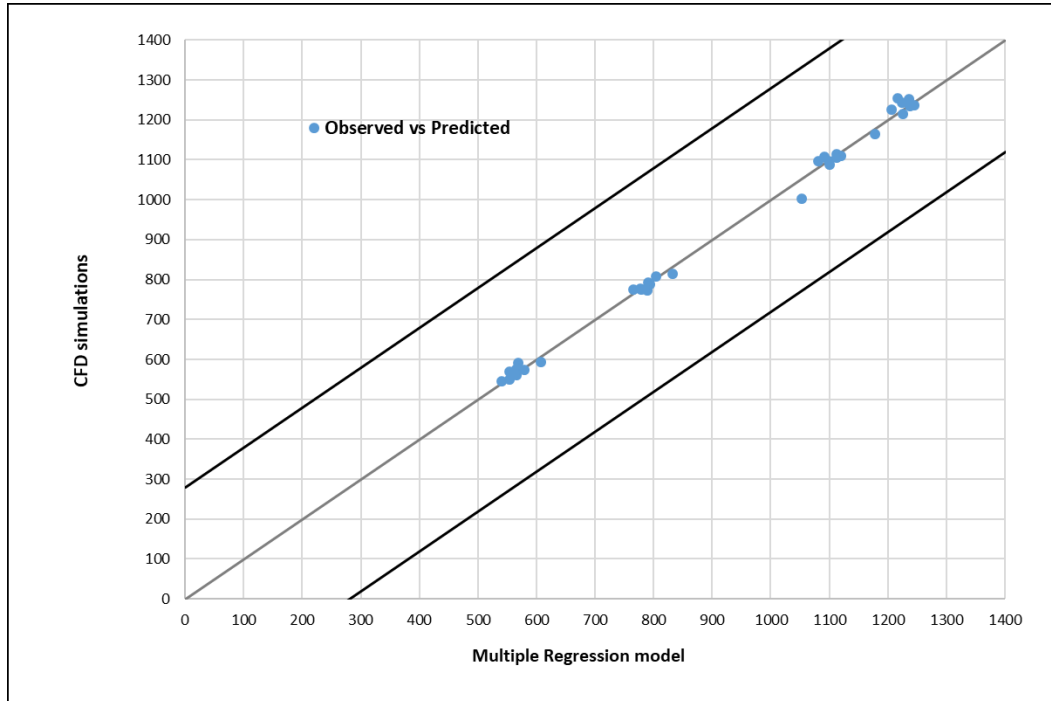


Model	Observed	Predicted	Residual	Studentized Res.
44	941.3 °C	969.9 °C	-28.6 °C	-2.22
59	1184.3 °C	1149.6 °C	34.7 °C	2.83
60	1018.6 °C	986.1 °C	32.5 °C	2.6



X/L = 0.5 – WEB

Model	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
3	0	23.4 m	24 m	5 m	2400 kW/m2	1214.6 °C	1225.6 °C
4	0	23.4 m	24 m	5 m	1800 kW/m2	1088.0 °C	1100.7 °C
7	0	23.4 m	24 m	9 m	2400 kW/m2	775.1 °C	778.9 °C
8	0	23.4 m	24 m	9 m	1800 kW/m2	570.1 °C	554.1 °C
11	0	23.4 m	16 m	5 m	2400 kW/m2	1224.8 °C	1206.7 °C
12	0	23.4 m	16 m	5 m	1800 kW/m2	1096.9 °C	1081.9 °C
15	0	23.4 m	16 m	9 m	2400 kW/m2	788.0 °C	793.2 °C
16	0	23.4 m	16 m	9 m	1800 kW/m2	591.7 °C	568.4 °C
19	0	13.0 m	24 m	5 m	2400 kW/m2	1234.4 °C	1237.6 °C
20	0	13.0 m	24 m	5 m	1800 kW/m2	1115.1 °C	1112.7 °C
23	0	13.0 m	24 m	9 m	2400 kW/m2	792.4 °C	790.9 °C
24	0	13.0 m	24 m	9 m	1800 kW/m2	576.7 °C	566.1 °C
27	0	13.0 m	16 m	5 m	2400 kW/m2	1236.8 °C	1245.5 °C
28	0	13.0 m	16 m	5 m	1800 kW/m2	1109.6 °C	1120.6 °C
31	0	13.0 m	16 m	9 m	2400 kW/m2	814.7 °C	831.9 °C
32	0	13.0 m	16 m	9 m	1800 kW/m2	592.8 °C	607.1 °C
35	1	23.4 m	24 m	5 m	2400 kW/m2	1243.3 °C	1224.7 °C
36	1	23.4 m	24 m	5 m	1800 kW/m2	1096.1 °C	1099.8 °C
39	1	23.4 m	24 m	9 m	2400 kW/m2	777.5 °C	778.0 °C
40	1	23.4 m	24 m	9 m	1800 kW/m2	550.4 °C	553.2 °C
43	1	23.4 m	16 m	5 m	2400 kW/m2	1164.3 °C	1178.4 °C
44	1	23.4 m	16 m	5 m	1800 kW/m2	1002.1 °C	1053.6 °C
47	1	23.4 m	16 m	9 m	2400 kW/m2	775.1 °C	764.9 °C
48	1	23.4 m	16 m	9 m	1800 kW/m2	544.2 °C	540.1 °C
51	1	13.0 m	24 m	5 m	2400 kW/m2	1251.5 °C	1236.7 °C
52	1	13.0 m	24 m	5 m	1800 kW/m2	1106.5 °C	1111.8 °C
55	1	13.0 m	24 m	9 m	2400 kW/m2	773.0 °C	790.0 °C
56	1	13.0 m	24 m	9 m	1800 kW/m2	561.2 °C	565.2 °C
59	1	13.0 m	16 m	5 m	2400 kW/m2	1253.6 °C	1217.2 °C
60	1	13.0 m	16 m	5 m	1800 kW/m2	1108.3 °C	1092.3 °C
63	1	13.0 m	16 m	9 m	2400 kW/m2	807.3 °C	803.6 °C
64	1	13.0 m	16 m	9 m	1800 kW/m2	574.2 °C	578.8 °C

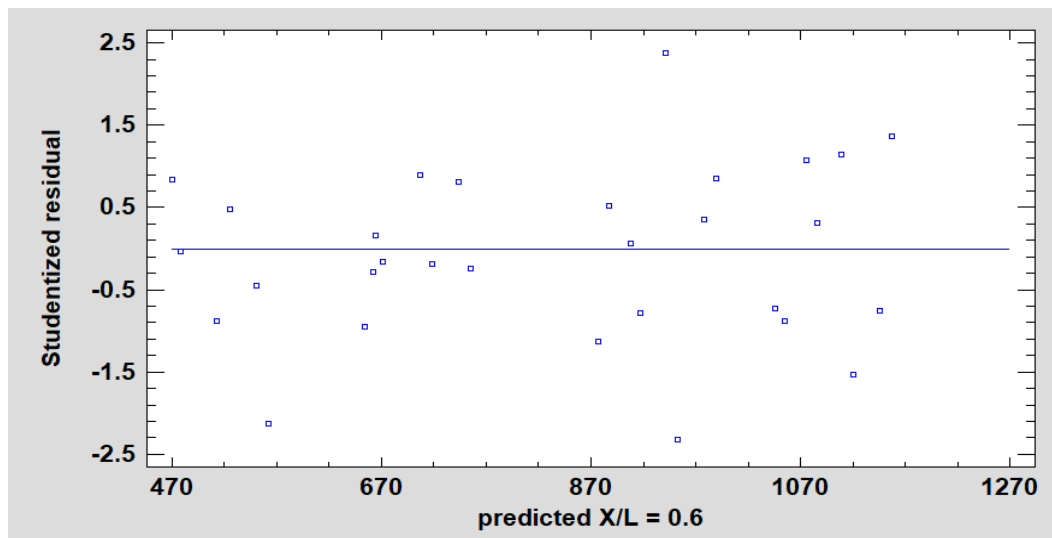
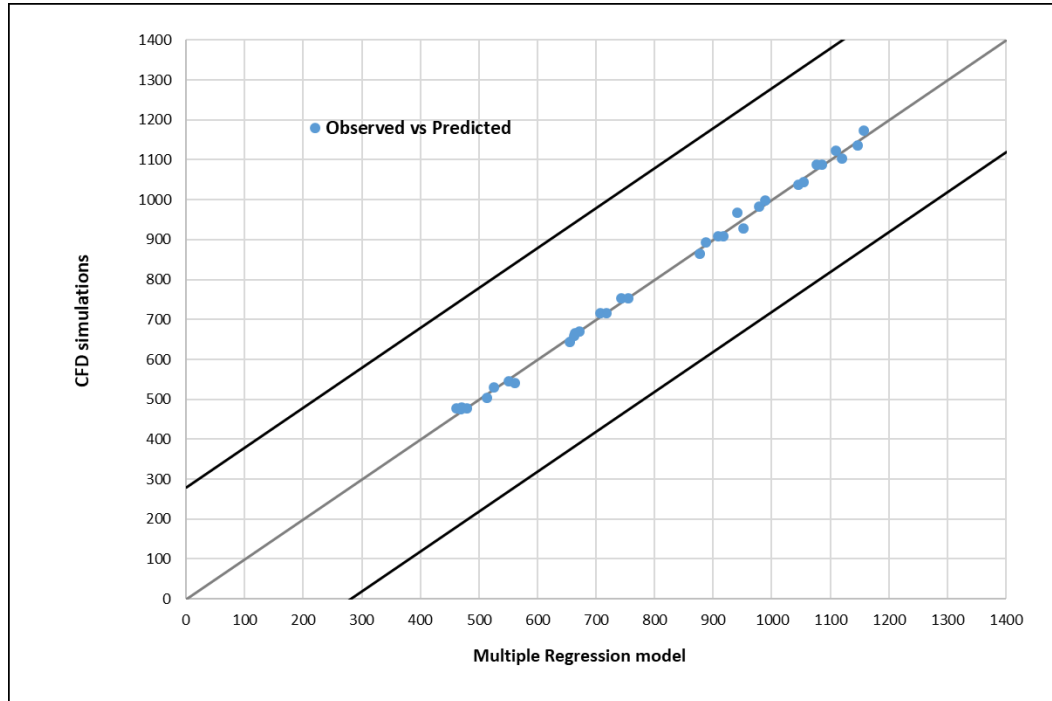


Model	Observed	Predicted	Residual	Studentized Res.
44	1002.1 °C	1053.6 °C	-51.5 °C	-4.34
59	1253.6 °C	1217.2 °C	36.4 °C	2.46



X/L = 0.6 – WEB

Model	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
3	0	23.4 m	24 m	5 m	2400 kW/m2	1037.2 °C	1045.4 °C
4	0	23.4 m	24 m	5 m	1800 kW/m2	864.9 °C	877.5 °C
7	0	23.4 m	24 m	9 m	2400 kW/m2	643.6 °C	654.5 °C
8	0	23.4 m	24 m	9 m	1800 kW/m2	477.0 °C	461.3 °C
11	0	23.4 m	16 m	5 m	2400 kW/m2	1122.5 °C	1109.1 °C
12	0	23.4 m	16 m	5 m	1800 kW/m2	966.7 °C	941.2 °C
15	0	23.4 m	16 m	9 m	2400 kW/m2	716.1 °C	718.3 °C
16	0	23.4 m	16 m	9 m	1800 kW/m2	530.6 °C	525.1 °C
19	0	13.0 m	24 m	5 m	2400 kW/m2	1044.9 °C	1054.8 °C
20	0	13.0 m	24 m	5 m	1800 kW/m2	892.7 °C	886.9 °C
23	0	13.0 m	24 m	9 m	2400 kW/m2	665.8 °C	663.9 °C
24	0	13.0 m	24 m	9 m	1800 kW/m2	480.5 °C	470.7 °C
27	0	13.0 m	16 m	5 m	2400 kW/m2	1137.1 °C	1146.1 °C
28	0	13.0 m	16 m	5 m	1800 kW/m2	982.3 °C	978.2 °C
31	0	13.0 m	16 m	9 m	2400 kW/m2	752.4 °C	755.2 °C
32	0	13.0 m	16 m	9 m	1800 kW/m2	539.9 °C	562.0 °C
35	1	23.4 m	24 m	5 m	2400 kW/m2	1087.9 °C	1076.0 °C
36	1	23.4 m	24 m	5 m	1800 kW/m2	908.9 °C	908.1 °C
39	1	23.4 m	24 m	9 m	2400 kW/m2	659.2 °C	662.5 °C
40	1	23.4 m	24 m	9 m	1800 kW/m2	475.9 °C	469.3 °C
43	1	23.4 m	16 m	5 m	2400 kW/m2	1102.7 °C	1120.2 °C
44	1	23.4 m	16 m	5 m	1800 kW/m2	927.4 °C	952.3 °C
47	1	23.4 m	16 m	9 m	2400 kW/m2	716.7 °C	706.6 °C
48	1	23.4 m	16 m	9 m	1800 kW/m2	503.6 °C	513.4 °C
51	1	13.0 m	24 m	5 m	2400 kW/m2	1088.9 °C	1085.4 °C
52	1	13.0 m	24 m	5 m	1800 kW/m2	908.7 °C	917.5 °C
55	1	13.0 m	24 m	9 m	2400 kW/m2	670.0 °C	671.9 °C
56	1	13.0 m	24 m	9 m	1800 kW/m2	478.3 °C	478.7 °C
59	1	13.0 m	16 m	5 m	2400 kW/m2	1172.7 °C	1157.1 °C
60	1	13.0 m	16 m	5 m	1800 kW/m2	999.2 °C	989.2 °C
63	1	13.0 m	16 m	9 m	2400 kW/m2	752.6 °C	743.5 °C
64	1	13.0 m	16 m	9 m	1800 kW/m2	545.3 °C	550.3 °C

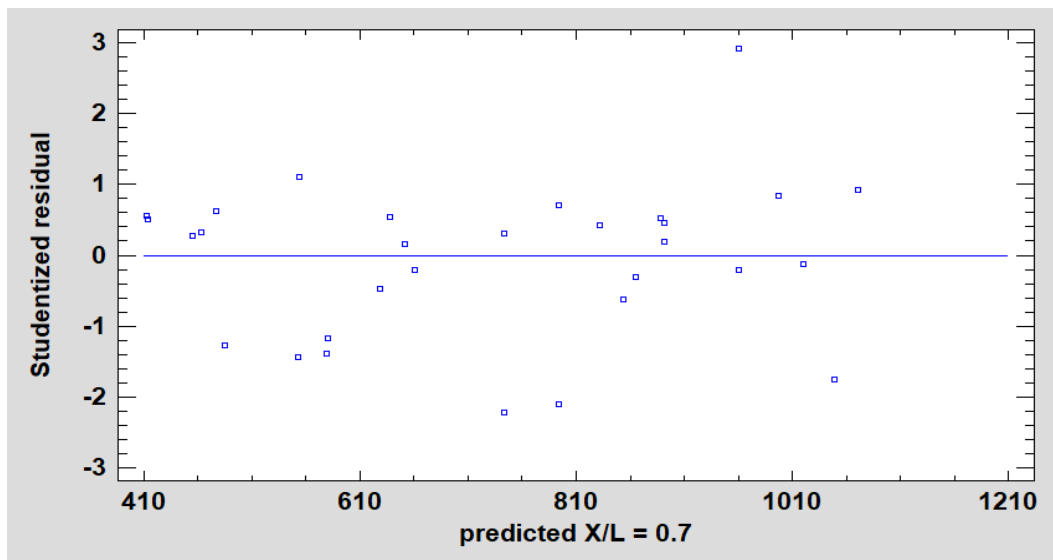
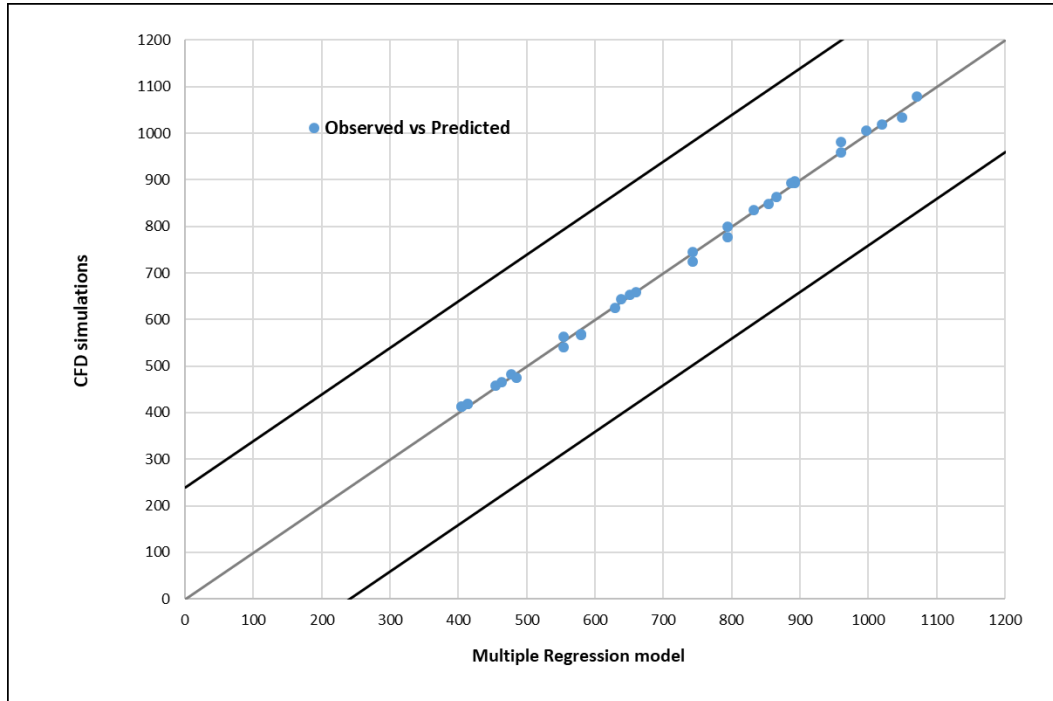


Model	Observed	Predicted	Residual	Studentized Res.
12	966.7 °C	941.2 °C	25.4 °C	2.38
32	539.9 °C	562.0 °C	-22.1 °C	-2.13
44	927.4 °C	952.2 °C	-24.8 °C	-2.32



X/L = 0.7 – WEB

Model	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
3	0	23.4 m	24 m	5 m	2400 kW/m2	893.3 °C	891.7 °C
4	0	23.4 m	24 m	5 m	1800 kW/m2	725.1 °C	742.8 °C
7	0	23.4 m	24 m	9 m	2400 kW/m2	540.5 °C	553.3 °C
8	0	23.4 m	24 m	9 m	1800 kW/m2	412.8 °C	404.5 °C
11	0	23.4 m	16 m	5 m	2400 kW/m2	1004.8 °C	997.5 °C
12	0	23.4 m	16 m	5 m	1800 kW/m2	835.7 °C	831.6 °C
15	0	23.4 m	16 m	9 m	2400 kW/m2	624.7 °C	628.8 °C
16	0	23.4 m	16 m	9 m	1800 kW/m2	465.8 °C	463.0 °C
19	0	13.0 m	24 m	5 m	2400 kW/m2	895.9 °C	891.9 °C
20	0	13.0 m	24 m	5 m	1800 kW/m2	745.7 °C	743.0 °C
23	0	13.0 m	24 m	9 m	2400 kW/m2	563.6 °C	553.5 °C
24	0	13.0 m	24 m	9 m	1800 kW/m2	412.8 °C	404.7 °C
27	0	13.0 m	16 m	5 m	2400 kW/m2	1018.5 °C	1019.6 °C
28	0	13.0 m	16 m	5 m	1800 kW/m2	848.0 °C	853.8 °C
31	0	13.0 m	16 m	9 m	2400 kW/m2	652.4 °C	651.0 °C
32	0	13.0 m	16 m	9 m	1800 kW/m2	474.1 °C	485.1 °C
35	1	23.4 m	24 m	5 m	2400 kW/m2	982.0 °C	960.1 °C
36	1	23.4 m	24 m	5 m	1800 kW/m2	799.9 °C	793.6 °C
39	1	23.4 m	24 m	9 m	2400 kW/m2	567.2 °C	579.6 °C
40	1	23.4 m	24 m	9 m	1800 kW/m2	418.0 °C	413.1 °C
43	1	23.4 m	16 m	5 m	2400 kW/m2	1034.7 °C	1049.1 °C
44	1	23.4 m	16 m	5 m	1800 kW/m2	862.7 °C	865.6 °C
47	1	23.4 m	16 m	9 m	2400 kW/m2	642.9 °C	638.2 °C
48	1	23.4 m	16 m	9 m	1800 kW/m2	457.3 °C	454.8 °C
51	1	13.0 m	24 m	5 m	2400 kW/m2	958.4 °C	960.3 °C
52	1	13.0 m	24 m	5 m	1800 kW/m2	776.9 °C	793.8 °C
55	1	13.0 m	24 m	9 m	2400 kW/m2	569.2 °C	579.8 °C
56	1	13.0 m	24 m	9 m	1800 kW/m2	417.7 °C	413.3 °C
59	1	13.0 m	16 m	5 m	2400 kW/m2	1079.2 °C	1071.2 °C
60	1	13.0 m	16 m	5 m	1800 kW/m2	892.7 °C	887.8 °C
63	1	13.0 m	16 m	9 m	2400 kW/m2	658.6 °C	660.4 °C
64	1	13.0 m	16 m	9 m	1800 kW/m2	482.5 °C	476.9 °C

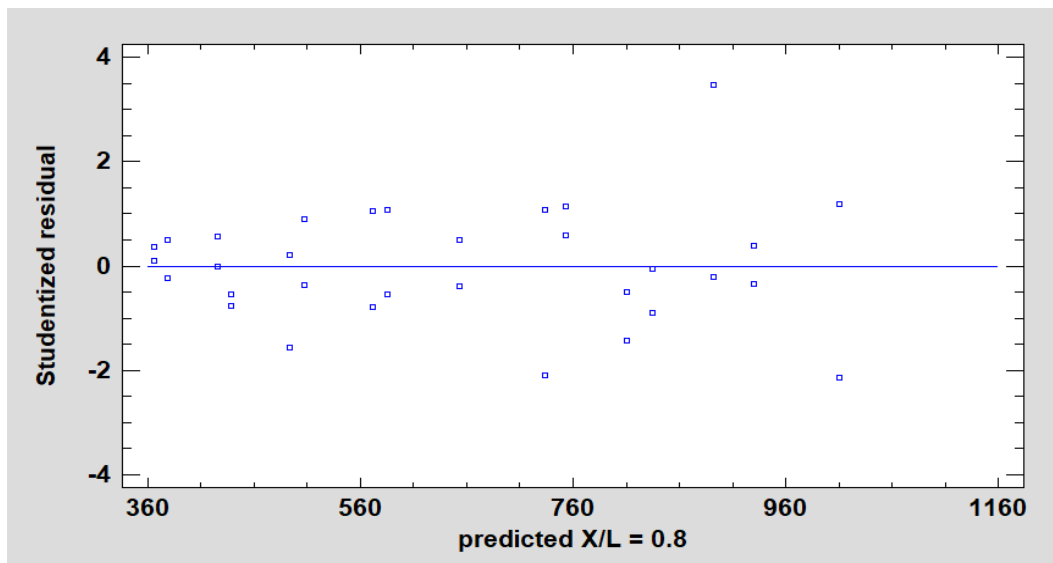
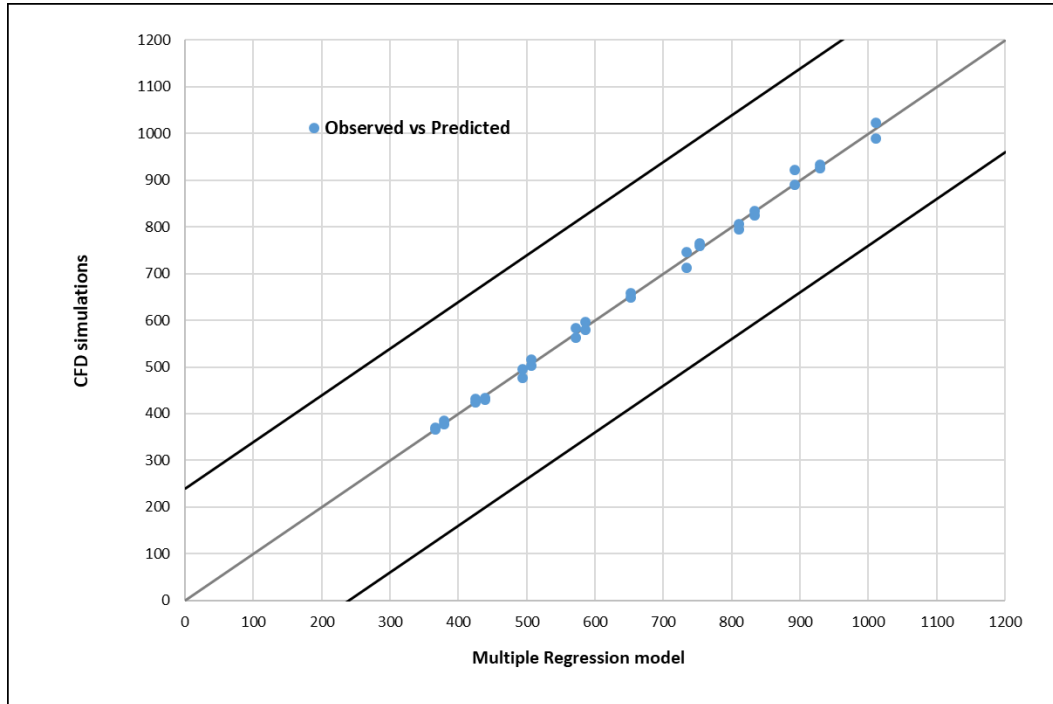


Model	Observed	Predicted	Residual	Studentized Res.
4	725.1 °C	742.8 °C	-17.7 °C	-2.23
35	982.0 °C	960.1 °C	21.8 °C	2.92
52	776.9 °C	793.8 °C	-16.9 °C	-2.1



X/L = 0.8 – WEB

Model	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
3	0	23.4 m	24 m	5 m	2400 kW/m2	805.3 °C	810.6 °C
4	0	23.4 m	24 m	5 m	1800 kW/m2	648.7 °C	652.8 °C
7	0	23.4 m	24 m	9 m	2400 kW/m2	477.3 °C	493.5 °C
8	0	23.4 m	24 m	9 m	1800 kW/m2	369.7 °C	365.6 °C
11	0	23.4 m	16 m	5 m	2400 kW/m2	925.8 °C	929.5 °C
12	0	23.4 m	16 m	5 m	1800 kW/m2	759.4 °C	753.0 °C
15	0	23.4 m	16 m	9 m	2400 kW/m2	563.3 °C	571.9 °C
16	0	23.4 m	16 m	9 m	1800 kW/m2	425.1 °C	425.3 °C
19	0	13.0 m	24 m	5 m	2400 kW/m2	795.7 °C	810.6 °C
20	0	13.0 m	24 m	5 m	1800 kW/m2	658.3 °C	652.8 °C
23	0	13.0 m	24 m	9 m	2400 kW/m2	495.9 °C	493.5 °C
24	0	13.0 m	24 m	9 m	1800 kW/m2	366.7 °C	365.6 °C
27	0	13.0 m	16 m	5 m	2400 kW/m2	933.8 °C	929.5 °C
28	0	13.0 m	16 m	5 m	1800 kW/m2	765.2 °C	753.0 °C
31	0	13.0 m	16 m	9 m	2400 kW/m2	583.1 °C	571.9 °C
32	0	13.0 m	16 m	9 m	1800 kW/m2	431.4 °C	425.3 °C
35	1	23.4 m	24 m	5 m	2400 kW/m2	922.3 °C	891.7 °C
36	1	23.4 m	24 m	5 m	1800 kW/m2	745.5 °C	734.0 °C
39	1	23.4 m	24 m	9 m	2400 kW/m2	516.6 °C	507.0 °C
40	1	23.4 m	24 m	9 m	1800 kW/m2	384.7 °C	379.1 °C
43	1	23.4 m	16 m	5 m	2400 kW/m2	989.2 °C	1010.6 °C
44	1	23.4 m	16 m	5 m	1800 kW/m2	824.5 °C	834.1 °C
47	1	23.4 m	16 m	9 m	2400 kW/m2	596.8 °C	585.4 °C
48	1	23.4 m	16 m	9 m	1800 kW/m2	430.5 °C	438.8 °C
51	1	13.0 m	24 m	5 m	2400 kW/m2	889.5 °C	891.7 °C
52	1	13.0 m	24 m	5 m	1800 kW/m2	713.0 °C	734.0 °C
55	1	13.0 m	24 m	9 m	2400 kW/m2	503.0 °C	507.0 °C
56	1	13.0 m	24 m	9 m	1800 kW/m2	376.6 °C	379.1 °C
59	1	13.0 m	16 m	5 m	2400 kW/m2	1023.3 °C	1010.6 °C
60	1	13.0 m	16 m	5 m	1800 kW/m2	833.5 °C	834.1 °C
63	1	13.0 m	16 m	9 m	2400 kW/m2	579.5 °C	585.4 °C
64	1	13.0 m	16 m	9 m	1800 kW/m2	432.9 °C	438.8 °C

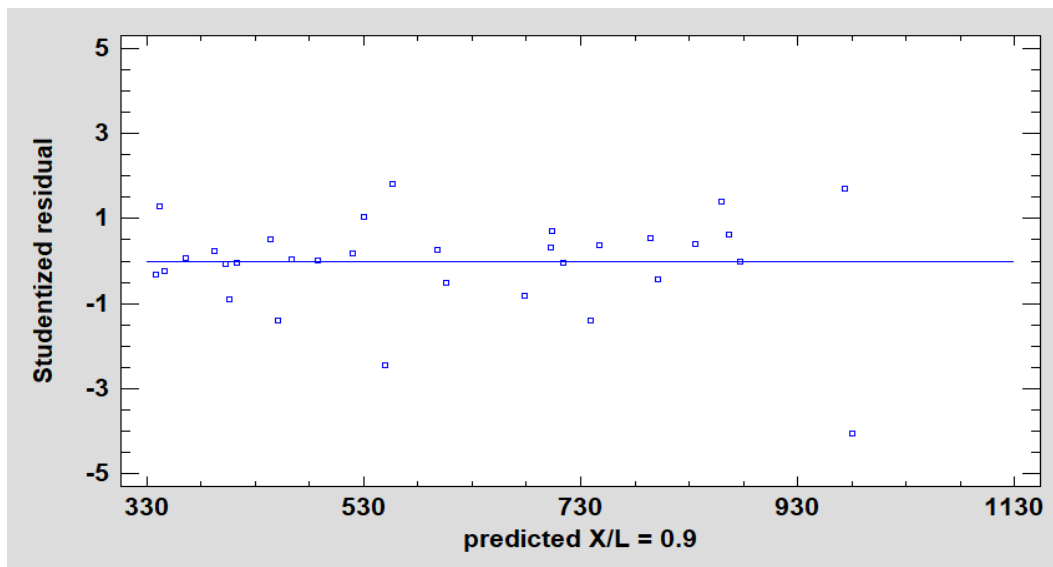
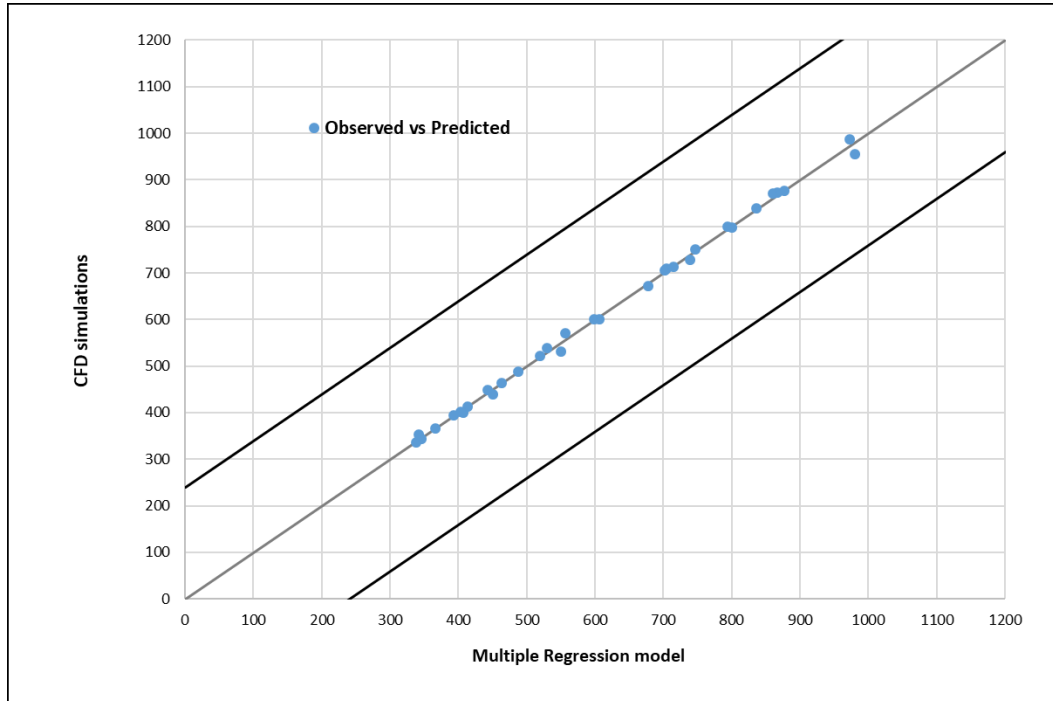


Model	Observed	Predicted	Residual	Studentized Res.
35	922.3 °C	891.7 °C	30.6 °C	3.48
43	989.2 °C	1010.6 °C	-21.4 °C	-2.15
52	713.0 °C	734.0 °C	-20.9 °C	-2.09



X/L = 0.9 – WEB

Model	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
3	0	23.4 m	24 m	5 m	2400 kW/m2	749.8 °C	746.7 °C
4	0	23.4 m	24 m	5 m	1800 kW/m2	601.3 °C	605.7 °C
7	0	23.4 m	24 m	9 m	2400 kW/m2	439.7 °C	451.1 °C
8	0	23.4 m	24 m	9 m	1800 kW/m2	343.9 °C	345.9 °C
11	0	23.4 m	16 m	5 m	2400 kW/m2	871.8 °C	866.6 °C
12	0	23.4 m	16 m	5 m	1800 kW/m2	710.0 °C	704.0 °C
15	0	23.4 m	16 m	9 m	2400 kW/m2	521.0 °C	519.6 °C
16	0	23.4 m	16 m	9 m	1800 kW/m2	394.8 °C	392.7 °C
19	0	13.0 m	24 m	5 m	2400 kW/m2	727.7 °C	739.1 °C
20	0	13.0 m	24 m	5 m	1800 kW/m2	600.2 °C	598.1 °C
23	0	13.0 m	24 m	9 m	2400 kW/m2	447.9 °C	443.5 °C
24	0	13.0 m	24 m	9 m	1800 kW/m2	335.5 °C	338.3 °C
27	0	13.0 m	16 m	5 m	2400 kW/m2	876.7 °C	876.8 °C
28	0	13.0 m	16 m	5 m	1800 kW/m2	713.8 °C	714.2 °C
31	0	13.0 m	16 m	9 m	2400 kW/m2	538.5 °C	529.8 °C
32	0	13.0 m	16 m	9 m	1800 kW/m2	402.4 °C	403.0 °C
35	1	23.4 m	24 m	5 m	2400 kW/m2	871.1 °C	859.9 °C
36	1	23.4 m	24 m	5 m	1800 kW/m2	705.3 °C	702.6 °C
39	1	23.4 m	24 m	9 m	2400 kW/m2	487.7 °C	487.7 °C
40	1	23.4 m	24 m	9 m	1800 kW/m2	366.9 °C	366.2 °C
43	1	23.4 m	16 m	5 m	2400 kW/m2	954.7 °C	979.8 °C
44	1	23.4 m	16 m	5 m	1800 kW/m2	797.4 °C	801.0 °C
47	1	23.4 m	16 m	9 m	2400 kW/m2	570.5 °C	556.1 °C
48	1	23.4 m	16 m	9 m	1800 kW/m2	412.8 °C	413.1 °C
51	1	13.0 m	24 m	5 m	2400 kW/m2	839.1 °C	835.6 °C
52	1	13.0 m	24 m	5 m	1800 kW/m2	671.5 °C	678.3 °C
55	1	13.0 m	24 m	9 m	2400 kW/m2	463.8 °C	463.4 °C
56	1	13.0 m	24 m	9 m	1800 kW/m2	352.4 °C	341.9 °C
59	1	13.0 m	16 m	5 m	2400 kW/m2	986.9 °C	973.3 °C
60	1	13.0 m	16 m	5 m	1800 kW/m2	798.9 °C	794.5 °C
63	1	13.0 m	16 m	9 m	2400 kW/m2	531.5 °C	549.6 °C
64	1	13.0 m	16 m	9 m	1800 kW/m2	399.0 °C	406.6 °C

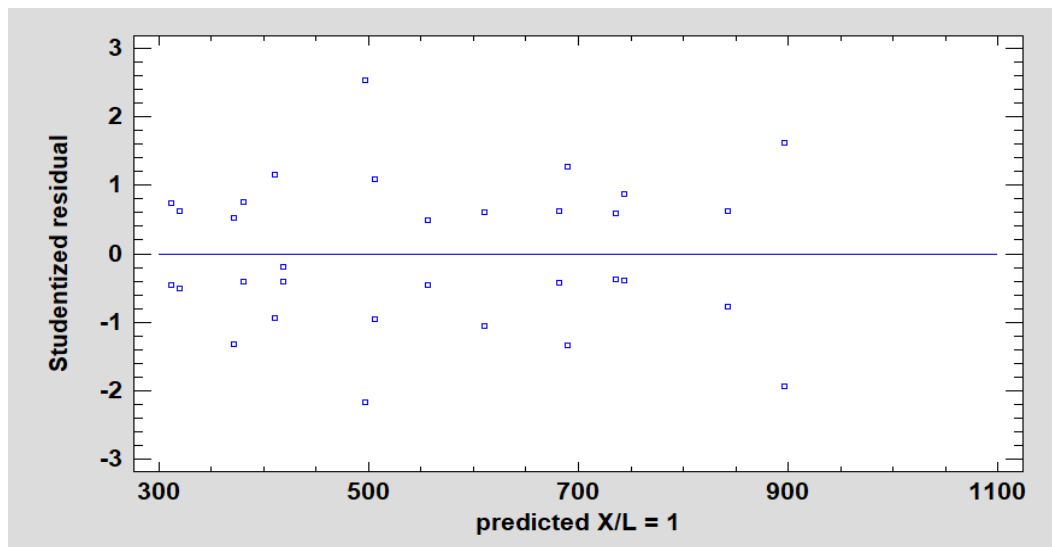
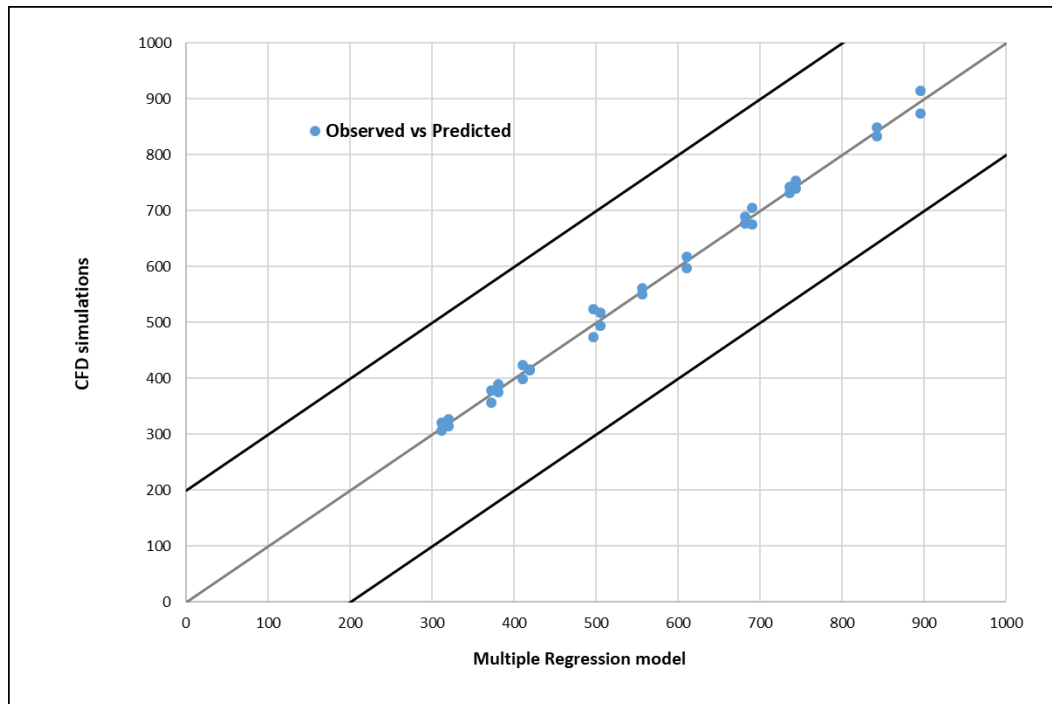


Model	Observed	Predicted	Residual	Studentized Res.
43	954.7 °C	979.8 °C	-25.1 °C	-4.08
63	531.5 °C	549.6 °C	-18.1 °C	-2.44



X/L = 1 – WEB

Model	Substr. Config.	Width	Span	Vert. Clear.	HRR	CFD Temp.	Pred Temp.
3	0	23.4 m	24 m	5 m	2400 kW/m2	704.5 °C	690.0 °C
4	0	23.4 m	24 m	5 m	1800 kW/m2	562.1 °C	556.4 °C
7	0	23.4 m	24 m	9 m	2400 kW/m2	416.5 °C	418.8 °C
8	0	23.4 m	24 m	9 m	1800 kW/m2	327.5 °C	320.1 °C
11	0	23.4 m	16 m	5 m	2400 kW/m2	833.0 °C	842.1 °C
12	0	23.4 m	16 m	5 m	1800 kW/m2	676.9 °C	681.9 °C
15	0	23.4 m	16 m	9 m	2400 kW/m2	494.6 °C	505.7 °C
16	0	23.4 m	16 m	9 m	1800 kW/m2	375.6 °C	380.4 °C
19	0	13.0 m	24 m	5 m	2400 kW/m2	674.8 °C	690.0 °C
20	0	13.0 m	24 m	5 m	1800 kW/m2	551.0 °C	556.4 °C
23	0	13.0 m	24 m	9 m	2400 kW/m2	414.0 °C	418.8 °C
24	0	13.0 m	24 m	9 m	1800 kW/m2	314.1 °C	320.1 °C
27	0	13.0 m	16 m	5 m	2400 kW/m2	849.4 °C	842.1 °C
28	0	13.0 m	16 m	5 m	1800 kW/m2	689.2 °C	681.9 °C
31	0	13.0 m	16 m	9 m	2400 kW/m2	518.4 °C	505.7 °C
32	0	13.0 m	16 m	9 m	1800 kW/m2	389.2 °C	380.4 °C
35	1	23.4 m	24 m	5 m	2400 kW/m2	753.9 °C	743.8 °C
36	1	23.4 m	24 m	5 m	1800 kW/m2	617.3 °C	610.2 °C
39	1	23.4 m	24 m	9 m	2400 kW/m2	423.6 °C	410.4 °C
40	1	23.4 m	24 m	9 m	1800 kW/m2	320.4 °C	311.6 °C
43	1	23.4 m	16 m	5 m	2400 kW/m2	874.7 °C	895.9 °C
44	1	23.4 m	16 m	5 m	1800 kW/m2	731.3 °C	735.7 °C
47	1	23.4 m	16 m	9 m	2400 kW/m2	523.8 °C	497.3 °C
48	1	23.4 m	16 m	9 m	1800 kW/m2	378.2 °C	371.9 °C
51	1	13.0 m	24 m	5 m	2400 kW/m2	739.2 °C	743.8 °C
52	1	13.0 m	24 m	5 m	1800 kW/m2	598.0 °C	610.2 °C
55	1	13.0 m	24 m	9 m	2400 kW/m2	399.4 °C	410.4 °C
56	1	13.0 m	24 m	9 m	1800 kW/m2	306.2 °C	311.6 °C
59	1	13.0 m	16 m	5 m	2400 kW/m2	914.0 °C	895.9 °C
60	1	13.0 m	16 m	5 m	1800 kW/m2	742.7 °C	735.7 °C
63	1	13.0 m	16 m	9 m	2400 kW/m2	473.9 °C	497.3 °C
64	1	13.0 m	16 m	9 m	1800 kW/m2	356.8 °C	371.9 °C



Model	Observed	Predicted	Residual	Studentized Res.
47	523.8 °C	497.3 °C	26.5 °C	2.54
63	473.9 °C	497.3 °C	-23.3 °C	-2.17

