Gasoline Permeation - Breathing Bag Test, Closed-Circuit Escape Respirator

(TEB-CCER-STP-0600)

Task Number: 20307 **Date:** 10/5/2015

Manufacturer: CSE Corporation

Reference: Subpart O, Section 84.302(c), of Subpart O−Closed Circuit Escape Respirators updated requirements to 42 CFR, Part 84, Volume 60, Number 110, June 8, 1995 as published in Federal Register / Vol. 77, No. 46 / Thursday, March 8, 2012 / Rules and Regulations pp. 14168-14197.

Test Requirement: The test duration will be the longest duration obtained for any unit that underwent capacity testing. Refer to the Standard Test Procedure for Capacity Determination of Closed-Circuit Escape Respirators (CCER).

The air within the bag(s) shall not contain more that 100 parts per million (0.01 percent by volume) of gasoline during the test.

Test Data:

Time (min)	Penetration (% by volume)	Pass/Fail
0	0	Pass
5	0	Pass
15	0	Pass
30	0	Pass
45	0	Pass
60	0	Pass

Final Results: **PASS**

Comments:

Testing was done using one bag.

Was all equipment verified to be in calibration throughout all testing? Yes

3/28/2016

Signature: X Jeremy J. Brannen

Signed by: PIV

STP-0602, SR2000, CAP 3, TN-20307

Time Sec	Exp O2 Frac	Exp CO2 Frac	Ins O2 Frac	Ins CO2 Frac	Exp Vol Liters	Ins Vol Liters	Exp Prs Pk mmH20	Ins Prs Pk mmH20	Exp Prs Av mmH20	Ins Prs Av mmH20	Exp Time Sec	Ins Time Sec	Exp CO2 Pk Frac
1.017	NaN	NaN	NaN	NaN	1.4955	1.5131	8.1309	-9.2936	4.4852	-5.1077	3.2883	1.365	0.0061
2.0175	0.4064	0.0226	0.5213	0.0058	1.6403	1.6993	21.5217	-105.195	15.5691	-76.3275	1.8	1.5167	0.0302
3.018	0.5159	0.0352	0.5538	0.0094	1.6485	1.6934	24.6012	-41.0718	18.4619	-29.6445	1.8	1.5167	0.0474
4.0187	0.5016	0.0464	0.5398	0.0129	1.6559	1.6868	26.7734	-41.7796	19.3622	-30.3606	1.8	1.5167	0.0618
5.0193	0.4959	0.0491	0.5371	0.0138	1.6558	1.6847	26.1673	-42.3491	19.2775	-30.8782	1.8	1.5167	0.0663
6.02	0.5082	0.0488	0.5524	0.0131	1.6534	1.6856	26.9443	-43.1098	19.778	-30.908	1.8	1.5167	0.0645
7.0206	0.5301	0.0482	0.5733	0.0127	1.6534	1.6878	28.0874	-44.261	20.5301	-31.4176	1.8	1.5167	0.0631
8.0214	0.5526	0.0473	0.5941	0.0129	1.651	1.692	27.168	-45.4936	20.5273	-32.2677	1.8	1.5167	0.063
9.0221	0.5763	0.0472	0.6174	0.0131	1.651	1.6916	28.1159	-45.1194	21.5044	-32.1651	1.8	1.5167	0.0627
10.0229	0.6056	0.0473	0.6476	0.0133	1.6511	1.6898	30.7722	-45.4692	23.0644	-31.8685	1.8	1.5167	0.0623
11.0236	0.643	0.0478	0.6851	0.0136	1.6511	1.6886	32.2733	-45.2902	25.3572	-30.7072	1.8	1.5167	0.063
12.0246	0.6858	0.045	0.7254	0.0118	1.6489	1.692	35.2551	-45.8272	27.4573	-30.3201	1.8	1.5167	0.0581
13.0088	0.7267	0.0445	0.7646	0.0116	1.65	1.6917	34.9663	-46.3357	27.455	-30.7363	1.8	1.5167	0.0585
14.0095	0.763	0.0451	0.8005	0.0117	1.6546	1.6865	35.3405	-46.7832	27.7418	-31.0941	1.8	1.5167	0.0602
15.0103	0.7956	0.045	0.8324	0.0117	1.6547	1.6883	36.0565	-47.1859	28.0301	-31.6061	1.8	1.5167	0.0604
16.0113	0.8222	0.0453	0.8587	0.0116	1.654	1.688	36.7114	-47.9263	28.4318	-32.0717	1.8	1.5167	0.0604
17.0118	0.8448	0.0443	0.8802	0.0115	1.6546	1.6859	37.0084	-48.3574	28.7486	-32.5685	1.8	1.5167	0.0603
18.0131	0.8631	0.0442	0.8981	0.0111	1.6562	1.683	37.3582	-49.4192	29.1383	-33.1453	1.8	1.5167	0.0588
19.0139	0.8777	0.0443	0.9126	0.011	1.6562	1.6858	37.826	-50.5541	29.5133	-33.9248	1.8	1.5167	0.0589
20.0151	0.8898	0.0438	0.9237	0.011	1.6552	1.6892	38.4525	-51.1806	29.9008	-34.6278	1.8	1.5167	0.0586
21.016	0.899	0.0438	0.9327	0.0109	1.6562	1.6862	39.0952	-52.3237	30.2658	-35.4746	1.8	1.5167	0.0591
22.0169	0.9077	0.0433	0.9412	0.0105	1.6562	1.683	38.839	-53.719	30.7457	-36.1676	1.8	1.5167	0.0576
23.0181	0.9127	0.0438	0.9464	0.0107	1.6562	1.6838	39.9332	-54.6587	31.2673	-37.0387	1.8	1.5167	0.0581
24.0188	0.9168	0.0438	0.9502	0.0108	1.6562	1.6862	40.2465	-55.8018	31.6904	-37.9951	1.8	1.5167	0.0584
25.0194	0.921	0.0435	0.9538	0.0109	1.6557	1.6883	40.2343	-56.591	32.0773	-38.8607	1.8	1.5167	0.059
26.0203	0.9252	0.0432	0.9574	0.0107	1.6562	1.6857	40.8363	-57.9781	32.5005	-39.3766	1.8	1.5167	0.0578
27.0211	0.9267	0.0443	0.9598	0.0109	1.6562	1.6838	41.4587	-58.5151	32.8139	-39.7918	1.8	1.5167	0.0586
28.0222	0.9288	0.0447	0.962	0.0112	1.6562	1.6842	42.1706	-58.3402	33.1835	-40.3209	1.8	1.5167	0.0591
29.0229	0.9321	0.0437	0.9639	0.0113	1.6562	1.6851	41.8614	-59.9186	33.4221	-40.9346	1.8	1.5167	0.0596
30.0251	0.9343	0.0437	0.9661	0.0112	1.6562	1.6854	43.0086	-60.2318	33.7104	-41.4622	1.8	1.5167	0.0587
31.0099	0.935	0.0444	0.9672	0.0114	1.6562	1.6834	42.9272	-60.7566	34.0729	-41.7027	1.8	1.5167	0.0587
32.0106	0.9364	0.0443	0.9684	0.0116	1.6562	1.6863	43.1632	-61.1552	34.2757	-42.2204	1.8	1.5167	0.059
33.0113	0.9362	0.0448	0.9684	0.0119	1.6562	1.6868	43.9117	-61.3342	34.4528	-42.6228	1.8	1.5167	0.06
34.012	0.9386	0.0441	0.97	0.0119	1.6562	1.6828	44.6398	-62.5912	34.7156	-42.8048	1.8	1.5167	0.0598
35.0126	0.9379	0.045	0.97	0.0122	1.6562	1.6843	44.4242	-62.2617	34.8806	-43.0774	1.8	1.5167	0.061
36.0141	0.9382	0.0443	0.9696	0.012	1.6562	1.6873	44.1842	-62.8922	34.9991	-43.5646	1.8	1.5167	0.0587
37.0154	0.938	0.0445	0.9694	0.0123	1.6562	1.6857	44.8514	-63.7546	35.1991	-43.8399	1.8	1.5167	0.0599
38.0165	0.938	0.0451	0.9698	0.0126	1.6562	1.6833	45.1361	-64.1045	35.3921	-43.9424	1.8	1.5167	0.0609
39.0175	0.939	0.044	0.9698	0.0123	1.6562	1.6858	45.2948	-64.0801	35.5727	-44.2499	1.8	1.5167	0.059
40.0194	0.9385	0.0447	0.9698	0.0126	1.6562	1.687	45.5673	-64.2062	35.7751	-44.4845	1.8	1.5167	0.0598
41.0205	0.9387	0.0444	0.9699	0.0125	1.6562	1.6837	45.6284	-64.8367	35.9068	-44.5298	1.8	1.5167	0.0588
42.022	0.9385	0.0451	0.9699	0.0128	1.6562	1.6826	46.0026	-65.0401	36.0234	-44.6719	1.8	1.5167	0.0604
43.0228	0.9386	0.0452	0.97	0.013	1.6562	1.6851	46.1206	-65.215	36.1812	-44.9655	1.8	1.5167	0.061
44.0239	0.9384	0.0455	0.9699	0.0132	1.6562	1.6862	46.5396	-65.6096	36.4049	-45.2128	1.8	1.5167	0.0608
45.0249	0.9388	0.0449	0.9698	0.0131	1.6562	1.685	46.4175	-65.6178	36.4702	-45.5448	1.8	1.5167	0.0609
46.026	0.9389	0.045	0.9699	0.0131	1.6562	1.6846	46.6128	-66.2971	36.6343	-45.7363	1.8	1.5167	0.0594
47.011	0.9383	0.0453	0.9694	0.0133	1.6562	1.6863	47.1986	-66.3459	36.7661	-46.097	1.8	1.5167	0.0604
48.0123	0.938	0.0451	0.9685	0.0137	1.6562	1.6864	47.1742	-67.1148	36.958	-46.3656	1.8	1.5167	0.0614
49.013	0.9371	0.0458	0.9683	0.0139	1.6562	1.6854	47.5769	-67.07	37.1463	-46.5972	1.8	1.5167	0.062
50.0148	0.937	0.0452	0.9676	0.0137	1.6562	1.6848	47.6664	-67.371	37.3712	-46.8432	1.8	1.5167	0.0602
51.0155	0.9362	0.0458	0.9671	0.014	1.6562	1.6849	48.1179	-67.7331	37.5979	-47.2319	1.8	1.5167	0.0613
52.0163	0.9362	0.0456	0.9665	0.0142	1.6562	1.6866	48.3742	-68.9087	37.8234	-47.7276	1.8	1.5167	0.0617
53.0171	0.9366	0.0451	0.9666	0.0139	1.6562	1.6845	49.2732	-69.2911	38.0566	-48.0372	1.8	1.5167	0.0604
54.0179	0.9349	0.0458	0.9653	0.0144	1.6562	1.6846	48.8217	-69.6694	38.3357	-48.5	1.8	1.5167	0.0614
55.0187	0.9343	0.0466	0.9651	0.0148	1.6562	1.6853	49.0942	-70.3732	38.5954	-48.8855	1.8	1.5167	0.0632
56.0198	0.9333	0.0464	0.9637	0.0148	1.6562	1.6843	49.5621	-70.9427	38.7938	-49.1949	1.8	1.5167	0.0624
57.0213	0.9334	0.0461	0.9634	0.015	1.6562	1.6854	49.8102	-70.8695	39.0291	-49.4605	1.8	1.5167	0.0621
58.0225	0.933	0.0462	0.9621	0.0149	1.6562	1.6879	50.1031	-71.7685	39.1873	-49.9193	1.8	1.5167	0.0614
59.0232	0.9338	0.0476	0.9649	0.0155	1.6562	1.6881	50.5628	-72.46	39.3462	-50.2905	1.8	1.5167	0.0639
60.0241	0.935	0.0468	0.9655	0.0152	1.6562	1.6839	50.7906	-72.4967	39.4709	-50.3676	1.8	1.5167	0.0626
61.0248	0.9336	0.0465	0.9636	0.0151	1.6562	1.6832	50.754	-72.818	39.6145	-50.4925	1.8	1.5167	0.0613
62.0263	0.9325	0.047	0.9628	0.0158	1.6562	1.6853	51.1892	-73.6072	39.6536	-50.8548	1.8	1.5167	0.0632
63.0271	0.9333	0.0474	0.9639	0.0157	1.6562	1.6847	51.4862	-73.8716	39.7516	-51.0087	1.8	1.5167	0.063
64.0113	0.9326	0.0472	0.9623	0.0159	1.6562	1.6862	51.4577	-73.7008	39.7926	-51.3119	1.8	1.5167	0.0633
65.0122	0.9331	0.047	0.9633	0.0156	1.6562	1.6869	51.7099	-74.9618	39.8867	-51.7402	1.8	1.5167	0.0616
66.0133	0.9309	0.0485	0.9618	0.0165	1.6562	1.6836	51.832	-75.8812	39.8406	-52.5236	1.8	1.5167	0.0647
67.0144	0.9315	0.0475	0.9617	0.016	1.6562	1.6826	52.4462	-76.6704	39.5227	-53.7934	1.8	1.5167	0.0636
68.0156	0.93	0.0468	0.9599	0.0159	1.6562	1.6841	52.5561	-76.8453	39.2606	-55.101	1.8	1.5167	0.063
69.0166	0.9317	0.0478	0.9623	0.0156	1.6562	1.6866	52.0842	-78.3179	38.9338	-56.6815	1.8	1.5167	0.0626
70.0178	0.9313	0.0477	0.9615	0.0161	1.6562	1.687	52.0069	-81.1085	39.0059	-58.5718	1.8	1.5167	0.0643
71.0188	0.9302	0.047	0.9598	0.0157	1.6562	1.6838	54.0124	-84.2205	40.1209	-60.8648	1.8	1.5167	0.0626
72.02	0.9307	0.0479	0.9606	0.0161	1.6562	1.686	54.8544	-86.767	40.6534	-62.8629	1.8	1.5167	0.0646
73.0208	0.9281	0.048	0.9579	0.0163	1.6562	1.6849	55.7941	-88.6993	41.2045	-64.7433	1.8	1.5167	0.0644
74.0218	0.9295	0.0467	0.9577	0.016	1.6562	1.6849	59.7929	-95.4806	43.8279	-69.6344	1.8	1.5167	0.0628
75.0228	0.9285	0.0487	0.955	0.0171	1.6562	1.6869	80.5516	-119.148	57.2811	-86.9016	1.8	1.5167	0.0643
76.0239	0.9287	0.0484	0.9497	0.0186	1.6562	1.6858	114.519	-147.953	78.8078	-106.961	1.8	1.5167	0.0653
77.0249	0.9283	0.0497	0.9463	0.0197	1.6562	1.684	137.3442	-173.976	93.0462	-124.622	1.8	1.5167	0.0673
				0.013392									0.060643421

VE Stpd	RR	Spare	InsWB End	InsDB End	ExpDB EndT	ExpWB EndT	ExpDB EndT	Time (min)	ExpH2OVa	InsH2OVap	Avg Exh O2	MouthO2T
L/M	/min		Degree C	Degree C	Degree C	Degree C	Degree C	Min	Ml/min	Ml/min	Frac	Frac
27.0605	16.6411	0	19.8843	23.9467	25.377701	23.3545	25.377701	1.017	695.5872	753.3589	0.6618	0.1902
29.6737	18.0905	0	20.9379	26.5242	30.3829	29.8484	30.3829	2.0175	947.4121	938.0066	0.7404	0.4681
29.8221	18.0905	0	20.8195	27.8796	31.471399	31.467199	31.471399	3.018	1000.659	979.9971	0.7488	0.5352
29.9554	18.0905	0	21.9632	29.0125	31.4226	30.3939	31.4226	4.0187	964.8242	943.1091	0.7523	0.5204
29.9552	18.0905	0	21.7223	29.8974	31.4237	30.8248	31.4237	5.0193	967.3546	941.0216	0.7557	0.5159
29.911	18.0905	0	22.1395	30.7163	31.540199	31.1457	31.540199	6.02	993.5368	946.2327	0.7595	0.5295
29.9116	18.0905	0	22.3778	31.5252	31.5252	30.868	31.5252	7.0206	976.1907	923.772	0.7626	0.5508
29.8677	18.0905	0	22.9902	32.409	31.667801	30.8974	31.667801	8.0214	975.9869	916.5248	0.7666	0.5723
29.8683	18.0905	0	22.8718	33.1474	31.7876	30.9569	31.7876	9.0221	962.1453	917.9587	0.7698	0.5958
29.8689	18.0905	0	22.9907	33.8998	31.9923	31.0179	31.9923	10.0229	956.839	917.2441	0.7735	0.6255
29.8696	18.0905	0	22.9791	34.5139	32.102798	31.0716	32.102798	11.0236	951.0535	906.572	0.7763	0.6629
29.8286	18.0905	0	23.0307	35.1847	32.265301	31.0889	32.265301	12.0246	940.225	878.0085	0.7793	0.7045
29.8499	18.0905	0	23.0807	35.7572	32.508301	31.2362	32.508301	13.0088	940.3973	880.5554	0.7826	0.7444
29.9333	18.0905	0	23.2869	36.2299	32.665901	31.455601	32.665901	14.0095	955.036	891.8494	0.7849	0.7805
29.9336	18.0905	0	23.7141	36.7337	32.888901	31.6019	32.888901	15.0103	968.2458	903.2866	0.7878	0.8127
29.9211	18.0905	0	23.9272	37.1548	33.017601	31.677601	33.017601	16.0113	972.9665	915.1315	0.79	0.8392
29.9326	18.0905	0	23.9203	37.6525	33.2495	31.794399	33.2495	17.0118	974.261	920.5126	0.7928	0.8613
29.9609	18.0905	0	23.9519	38.1695	33.408199	31.890699	33.408199	18.0131	979.0977	925.9662	0.7953	0.8795
29.961	18.0905	0	24.4112	38.6411	33.526901	31.905399	33.526901	19.0139	988.8217	932.6483	0.7977	0.8941
29.9433	18.0905	0	25.4997	39.2303	33.812099	31.9081	33.812099	20.0151	1012.507	960.3682	0.8009	0.9057
29.9611	18.0905	0	25.6286	39.8001	33.918098	31.9233	33.918098	21.016	1010.889	979.6118	0.8034	0.9148
29.9612	18.0905	0	25.7012	40.3582	34.010201	31.972799	34.010201	22.0169	1010.791	992.762	0.8058	0.9234
29.9612	18.0905	0	26.071	40.948	34.224899	32.039101	34.224899	23.0181	1022.504	1005.935	0.809	0.9286
29.9612	18.0905	0	26.8459	41.5849	34.384102	32.050098	34.384102	24.0188	1040.651	1024.76	0.8119	0.9325
29.9529	18.0905	0	27.2689	42.2129	34.516701	32.064301	34.516701	25.0194	1052.21	1039.711	0.8145	0.9364
29.9613	18.0905	0	27.6514	42.8621	34.813499	32.3032	34.813499	26.0203	1070.043	1062.203	0.8182	0.9403
29.9613	18.0905	0	27.8697	43.3259	34.9949	32.567799	34.9949	27.0211	1089.323	1081.684	0.8208	0.9424
29.9613	18.0905	0	28.0644	43.9395	35.197399	32.811901	35.197399	28.0222	1105.45	1093.971	0.8235	0.9445
29.9613	18.0905	0	28.178	44.3839	35.363899	32.9487	35.363899	29.0229	1115.349	1104.036	0.8262	0.947
29.9613	18.0905	0	28.2759	44.8643	35.545898	33.038101	35.545898	30.0251	1118.712	1110.61	0.8288	0.9492
29.9613	18.0905	0	28.3006	45.2433	35.717899	33.115501	35.717899	31.0099	1121.097	1114.53	0.8307	0.9502
29.9613	18.0905	0	28.4411	45.6427	35.859901	33.126999	35.859901	32.0106	1123.014	1114.864	0.833	0.9515
29.9614	18.0905	0	28.5884	45.8708	35.9697	33.0928	35.9697	33.0113	1122.582	1114.51	0.8345	0.9513
29.9614	18.0905	0	28.6226	46.1143	36.065201	33.0434	36.065201	34.012	1117.997	1110.629	0.8357	0.9533
29.9614	18.0905	0	28.5773	46.258	36.202801	33.029701	36.202801	35.0126	1111.837	1108.416	0.837	0.953
29.9614	18.0905	0	28.4942	46.4966	36.219398	32.950298	36.219398	36.0141	1102.817	1100.086	0.8379	0.9531
29.9614	18.0905	0	28.4379	46.5937	36.308701	32.894501	36.308701	37.0154	1095.396	1090.499	0.8388	0.9528
29.9614	18.0905	0	28.4211	46.6225	36.3498	32.836601	36.3498	38.0165	1091.577	1085.444	0.8392	0.9529
29.9614	18.0905	0	28.3348	46.7817	36.394699	32.804001	36.394699	39.0175	1088.964	1076.463	0.8399	0.9535
29.9614	18.0905	0	28.288	46.997	36.576698	32.8829	36.576698	40.0194	1091.531	1076.488	0.8413	0.9532
29.9614	18.0905	0	28.2248	47.0636	36.686001	33.071301	36.686001	41.0205	1103.43	1084.741	0.8422	0.9535
29.9614	18.0905	0	28.2722	47.1379	36.766998	33.307499	36.766998	42.022	1120.989	1097.125	0.843	0.9533
29.9614	18.0905	0	28.2422	47.3022	36.862999	33.488998	36.862999	43.0228	1129.68	1103.798	0.8439	0.9534
29.9614	18.0905	0	28.5063	47.3715	36.957802	33.562099	36.957802	44.0239	1142.561	1115.962	0.8448	0.9532
29.9614	18.0905	0	28.6878	47.4398	37.037701	33.5826	37.037701	45.0249	1152.238	1123.671	0.8453	0.9534
29.9614	18.0905	0	28.8062	47.4741	37.084301	33.575802	37.084301	46.026	1155.213	1131.067	0.8458	0.9536
29.9614	18.0905	0	28.9177	47.5895	37.152	33.595299	37.152	47.011	1159.467	1136.656	0.8464	0.953
29.9614	18.0905	0	29.0171	47.6644	37.229698	33.541599	37.229698	48.0123	1160.915	1140.645	0.8469	0.9524
29.9614	18.0905	0	29.1297	47.6439	37.2463	33.523201	37.2463	49.013	1162.874	1146.949	0.8471	0.9518
29.9614	18.0905	0	29.2097	47.6811	37.338402	33.530499	37.338402	50.0148	1165.211	1153.03	0.8477	0.9515
29.9614	18.0905	0	29.2839	47.7255	37.3251	33.481602	37.3251	51.0155	1164.712	1162.363	0.8478	0.9508
29.9614	18.0905	0	29.6516	47.7299	37.3284	33.440601	37.3284	52.0163	1177.276	1175.265	0.8477	0.9505
29.9614	18.0905	0	30.3724	47.726	37.302399	33.035	37.302399	53.0171	1188.011	1195.286	0.8476	0.9508
29.9614	18.0905	0	31.1121	47.7205	37.257401	32.705101	37.257401	54.0179	1200.955	1208.706	0.8473	0.9492
29.9614	18.0905	0	30.9727	47.7011	37.287399	32.852901	37.287399	55.0187	1211.232	1213.238	0.8476	0.9488
29.9614	18.0905	0	31.0705	47.7171	37.337898	33.130199	37.337898	56.0198	1231.72	1243.462	0.8476	0.9477
29.9614	18.0905	0	31.4456	47.7138	37.396099	33.424801	37.396099	57.0213	1263.324	1280.332	0.848	0.9476
29.9614	18.0905	0	31.7855	47.7909	37.431099	33.650002	37.431099	58.0225	1292.405	1315.488	0.8482	0.9468
29.9615	18.0905	0	32.2111	47.8203	37.447201	33.822498	37.447201	59.0232	1320.508	1352.023	0.8483	0.9486
29.9615	18.0905	0	32.6151	47.8037	37.520401	34.016102	37.520401	60.0241	1349.472	1390.087	0.8488	0.9494
29.9615	18.0905	0	33.0492	47.8375	37.5448	34.109798	37.5448	61.0248	1373.437	1424.682	0.849	0.9479
29.9615	18.0905	0	33.5342	47.8658	37.542099	34.2397	37.542099	62.0263	1403.666	1464.301	0.8491	0.9469
29.9615	18.0905	0	34.0167	47.9185	37.500999	34.303902	37.500999	63.0271	1433.417	1502.038	0.849	0.9479
29.9615	18.0905	0	34.4933	47.9197	37.549801	34.4254	37.549801	64.0113	1462.412	1539.463	0.8491	0.9466
29.9615	18.0905	0	35.0199	47.9552	37.602001	34.595901	37.602001	65.0122	1497.884	1583.067	0.8499	0.9475
29.9615	18.0905	0	35.5576	47.9973	37.6441	34.673199	37.6441	66.0133	1526.852	1624.203	0.8501	0.9456
29.9615	18.0905	0	36.0022	48.0805	37.697399	34.767399	37.697399	67.0144	1557.358	1658.52	0.8508	0.9458
29.9615	18.0905	0	36.4904	48.1921	37.7551	34.882599	37.7551	68.0156	1585.7	1694.051	0.8515	0.9442
29.9615	18.0905	0	36.1531	48.4678	37.851101	34.731602	37.851101	69.0166	1563.288	1680.159	0.8527	0.9464
29.9615	18.0905	0	36.4341	48.6392	37.962601	34.987801	37.962601	70.0178	1597.026	1715.523	0.8539	0.9456
29.9615	18.0905	0	36.8697	48.6309	38.117401	35.241402	38.117401	71.0188	1635.408	1758.826	0.8546	0.9443
29.9615	18.0905	0	37.3579	48.7657	38.319302	35.532902	38.319302	72.02	1674.272	1807.492	0.8561	0.9449
29.9615	18.0905	0	37.7751	48.9549	38.541801	35.7691	38.541801	73.0208	1706.011	1847.215	0.8577	0.9423
29.9615	18.0905	0	38.126	49.0071	38.728199	35.961102	38.728199	74.0218	1736.859	1880.217	0.8586	0.9428
29.9615	18.0905	0	38.6416	49.062	38.904099	36.127899	38.904099	75.0228	1770.292	1923.251	0.8598	0.9411
29.9615	18.0905	0	39.2266	49.0831	39.097198	36.333099	39.097198	76.0239	1811.956	1967.175	0.8607	0.9385
29.9616	18.0905	0	40.0205	49.0176	39.321899	36.522999	39.321899	77.0249	1860.997	2030.027	0.8619	0.9366
					35.69696176	33.05381721						

MouthO2\	Mth CO2V	InsWBAvg	InsDBAvgT	VH2o	ExpCO2Mi	InO2TimA\	InCO2Tim/	ExpTpDBAv	ExpTpWBAv	ExpO2Min	N2TransIm	O2TransImb
Frac	Frac	Degree C	Degree C	Ml/min	Frac	Frac	Frac	Degree C	Degree C	Frac	Liters	Liters
NaN	NaN	22.0057	24.3751	-57.7717	0	0.1903	0.003	25.0718	21.5354	0.1843	0.0022	0.0002
0.4639	0.0142	26.1474	27.8951	9.4054	0	0.5245	0.0069	29.1502	26.659401	0.3723	0.1912	0.2813
0.5349	0.0223	27.0505	28.9363	20.6617	0	0.5531	0.0112	30.216	27.603201	0.4972	0.0219	0.4689
0.5207	0.0296	26.6884	29.5489	21.715	0	0.5381	0.0151	30.5058	27.1868	0.4831	0	0.4629
0.5165	0.0314	26.8032	30.1069	26.333	0	0.535	0.0162	30.771	27.284401	0.4759	0.0005	0.4579
0.5303	0.031	27.0262	30.6857	47.3043	0	0.5498	0.0155	31.126699	27.696699	0.4893	0.0066	0.4643
0.5517	0.0305	26.862	31.1479	52.4187	0	0.5706	0.015	31.418699	27.5606	0.5131	0.0056	0.4759
0.5734	0.0301	26.9225	31.6863	59.462	0	0.5913	0.0151	31.8428	27.674	0.5344	0.0053	0.4876
0.5968	0.0302	27.0452	32.1153	44.1866	0	0.6145	0.0153	32.193901	27.594	0.5584	0.0054	0.4992
0.6266	0.0303	27.1544	32.602	39.5948	0	0.6446	0.0155	32.6096	27.628901	0.5879	0.0062	0.5129
0.6641	0.0307	27.1154	32.9761	44.4816	0	0.6819	0.0158	32.926201	27.634899	0.6254	0.0064	0.5298
0.7056	0.0284	26.8756	33.3632	62.2164	0	0.7224	0.0139	33.247398	27.5979	0.67	0.0069	0.5475
0.7457	0.0281	27.0014	33.7806	59.8419	0	0.7616	0.0138	33.636101	27.683399	0.71	0.0048	0.5645
0.7818	0.0284	27.1816	34.0811	63.1866	0	0.7975	0.014	33.8988	27.884001	0.7452	0.0066	0.5787
0.814	0.0284	27.4055	34.4441	64.9592	0	0.8295	0.014	34.215698	28.1084	0.7772	0.0046	0.5909
0.8404	0.0284	27.6175	34.7283	57.835	0	0.8559	0.0139	34.479	28.2267	0.8035	0.0053	0.6007
0.8625	0.0279	27.7592	35.0818	53.7485	0	0.8774	0.0139	34.8088	28.311701	0.8246	0.0074	0.6087
0.8806	0.0277	27.8887	35.4101	53.1314	0	0.8955	0.0134	35.0849	28.417801	0.8443	0.0029	0.6149
0.8951	0.0277	28.0359	35.7167	56.1733	0	0.9101	0.0133	35.351601	28.5853	0.8586	0.0079	0.62
0.9067	0.0274	28.4488	36.1281	52.1385	0	0.9213	0.0133	35.729099	28.934999	0.8699	0.0039	0.6239
0.9158	0.0274	28.7287	36.4558	31.2771	0	0.9303	0.0133	36.0089	28.972	0.8788	0.003	0.6267
0.9244	0.0269	28.9414	36.7704	18.0295	0	0.9388	0.0128	36.280701	29.030001	0.8879	0.0058	0.6298
0.9295	0.0273	29.1728	37.1828	16.5691	0	0.9441	0.013	36.652302	29.235701	0.8934	0.0074	0.6314
0.9335	0.0273	29.4547	37.5653	15.8913	0	0.9479	0.013	36.981499	29.4984	0.8965	0.0087	0.6327
0.9374	0.0272	29.6875	37.9115	12.4998	0	0.9515	0.0132	37.2878	29.686899	0.8997	0.0065	0.6341
0.9413	0.0269	30.0122	38.3725	7.8404	0	0.9551	0.013	37.710201	29.955999	0.9041	0.0004	0.6352
0.9433	0.0276	30.2768	38.6966	7.6389	0	0.9576	0.0132	38.0196	30.216101	0.9069	0.0013	0.636
0.9454	0.0279	30.4747	39.0651	11.479	0	0.9597	0.0135	38.334202	30.4422	0.9082	0.002	0.6368
0.948	0.0275	30.6434	39.407	11.3127	0	0.9617	0.0136	38.641701	30.6026	0.9095	0.0028	0.6375
0.9502	0.0275	30.7725	39.7297	8.102	0	0.9639	0.0135	38.945099	30.696501	0.913	0.0035	0.6382
0.9511	0.0279	30.8622	39.9882	6.5676	0	0.9651	0.0137	39.159401	30.762501	0.9143	0.0041	0.6387
0.9524	0.0279	30.9212	40.2706	8.1505	0	0.9662	0.0138	39.437099	30.8363	0.9148	0.0045	0.6391
0.9523	0.0284	30.9569	40.4697	8.0719	0	0.9662	0.0141	39.607899	30.8659	0.9144	0.0046	0.6392
0.9543	0.028	30.9486	40.6195	7.3673	0	0.9678	0.0142	39.741402	30.8473	0.9157	0.0053	0.6399
0.9539	0.0286	30.9592	40.7829	3.4211	0	0.9679	0.0145	39.924702	30.8232	0.9151	0.0053	0.6399
0.9539	0.0282	30.902	40.9048	2.7314	0	0.9676	0.0141	40.0126	30.752001	0.9173	0.0053	0.6399
0.9537	0.0284	30.8251	40.9899	4.8979	0	0.9673	0.0145	40.139099	30.7041	0.9156	0.0052	0.6396
0.9539	0.0289	30.7897	41.0614	6.1332	0	0.9677	0.0149	40.178699	30.674299	0.9152	0.0053	0.6395
0.9544	0.0282	30.7199	41.1545	12.5017	0	0.9677	0.0144	40.239899	30.6607	0.9169	0.0054	0.6399
0.9541	0.0286	30.7547	41.3282	15.0427	0	0.9678	0.0147	40.424599	30.722799	0.9161	0.0054	0.6397
0.9543	0.0284	30.8565	41.4329	18.6882	0	0.9679	0.0146	40.524502	30.859501	0.9173	0.0054	0.6398
0.9542	0.029	30.9954	41.5252	23.8634	0	0.9678	0.015	40.624699	31.0502	0.9157	0.0056	0.64
0.9543	0.0291	31.0843	41.6481	25.8813	0	0.9679	0.0151	40.739899	31.156799	0.9159	0.0057	0.64
0.9541	0.0294	31.2198	41.7413	26.5993	0	0.9679	0.0153	40.845699	31.301001	0.916	0.0056	0.6398
0.9543	0.029	31.3053	41.8013	28.5671	0	0.9677	0.0152	40.916	31.407101	0.9157	0.0056	0.6399
0.9544	0.029	31.3867	41.8567	24.1456	0	0.968	0.015	40.980202	31.447701	0.9178	0.0058	0.6402
0.9539	0.0293	31.4555	41.9381	22.8114	0	0.9675	0.0154	41.031898	31.497999	0.9159	0.0056	0.6398
0.9533	0.0294	31.5054	42.001	20.2699	0	0.9666	0.0157	41.1022	31.5252	0.9142	0.0056	0.6398
0.9527	0.0299	31.5689	42.0209	15.9245	0	0.9663	0.0159	41.134102	31.549801	0.9133	0.0053	0.6393
0.9523	0.0294	31.6356	42.07	12.1808	0	0.9657	0.0157	41.222198	31.588699	0.9142	0.0053	0.6395
0.9516	0.0299	31.7265	42.0871	2.3496	0	0.9651	0.016	41.230301	31.5856	0.9126	0.0052	0.6393
0.9514	0.0299	31.8484	42.0946	2.0111	0	0.9646	0.0162	41.222801	31.7024	0.9123	0.0052	0.6394
0.9516	0.0295	32.0261	42.0572	-7.2746	0	0.9647	0.0159	41.2057	31.798901	0.9135	0.0051	0.6392
0.9501	0.0301	32.1487	42.0457	-7.7509	0	0.9634	0.0164	41.155998	31.9109	0.9115	0.0046	0.6384
0.9497	0.0307	32.1956	42.0741	-2.0067	0	0.9632	0.0168	41.193901	32.013401	0.91	0.0048	0.6387
0.9485	0.0306	32.471	42.076	-11.7417	0	0.9619	0.0168	41.2034	32.203602	0.9097	0.0045	0.6384
0.9484	0.0306	32.8075	42.1061	-17.0082	0	0.9616	0.0169	41.268799	32.5033	0.9095	0.0045	0.6382
0.9475	0.0306	33.1235	42.1337	-23.0827	0	0.9603	0.0167	41.2952	32.769299	0.9091	0.0043	0.6382
0.9494	0.0315	33.4447	42.149	-31.5145	0	0.9631	0.0174	41.2953	33.018799	0.9095	0.0049	0.6386
0.9503	0.031	33.7781	42.185	-40.6152	0	0.9636	0.0172	41.368599	33.2859	0.911	0.005	0.6388
0.9486	0.0308	34.0768	42.217	-51.2452	0	0.9619	0.017	41.392899	33.498199	0.9105	0.0047	0.6384
0.9477	0.0314	34.4119	42.2392	-60.6354	0	0.9611	0.0176	41.406799	33.7603	0.9086	0.0045	0.6381
0.9486	0.0315	34.7194	42.2171	-68.6204	0	0.9621	0.0175	41.389099	34.009998	0.9096	0.0047	0.6382
0.9474	0.0316	35.0237	42.2154	-77.0515	0	0.9605	0.0177	41.422901	34.2593	0.9076	0.0044	0.6379
0.9482	0.0313	35.3912	42.3225	-85.183	0	0.9616	0.0173	41.517601	34.569599	0.9103	0.0045	0.6382
0.9463	0.0325	35.721	42.3491	-97.3511	0	0.96	0.0184	41.535	34.8102	0.9062	0.0044	0.6378
0.9466	0.0318	35.9996	42.4147	-101.162	0	0.9599	0.0179	41.619301	35.071701	0.9074	0.0041	0.6375
0.945	0.0313	36.2868	42.495	-108.351	0	0.9582	0.0177	41.704399	35.313099	0.9059	0.004	0.6375
0.947	0.0317	36.2077	42.6837	-116.871	0	0.9606	0.0174	41.822201	35.148499	0.9087	0.0043	0.6379
0.9464	0.0319	36.5022	42.8277	-118.497	0	0.9597	0.0179	41.9636	35.444901	0.9061	0.0039	0.6373
0.945	0.0314	36.842	42.9068	-123.419	0	0.9581	0.0176	42.075901	35.7659	0.9055	0.004	0.6376
0.9457	0.032	37.229	43.0651	-133.22	0	0.9589	0.018	42.276798	36.100399	0.9051	0.0038	0.6373
0.943	0.0322	37.5484	43.2467	-141.204	0	0.9563	0.0181	42.4743	36.375401	0.9027	0.0033	0.6367
0.9436	0.0314	37.8008	43.3278	-143.359	0	0.9561	0.0178	42.611801	36.6315	0.9031	0.0033	0.6367
0.9418	0.0329	38.1197	43.3879	-152.959	0	0.9537	0.0188	42.856602	36.920601	0.8996	0.0032	0.6364
0.9392	0.0335	38.4334	43.3934	-155.219	0	0.9488	0.02	43.0686	37.2626	0.8936	0.0026	0.6353
0.9373	0.0347	38.8857	43.4703	-169.031	0	0.9457	0.0212	43.273998	37.653	0.8898	0.0027	0.635
								38.5909592	31.22407771			

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Time Sec	Exp O2 Frac	Exp CO2 Frac	Ins O2 Frac	Ins CO2 Frac	Exp Vol Liters	Ins Vol Liters	Exp Prs Pk mmH20	Ins Prs Pk mmH20	Exp Prs Av mmH20	Ins Prs Av mmH20	Exp Time Sec	Ins Time Sec	Exp CO2 Pk Frac
1.017	NaN	NaN	NaN	NaN	1.4745	1.4937	10.7473	-10.156	5.1363	-6.0016	3.4537	1.3481	0.0074
2.0178	0.5023	0.0209	0.5928	0.0063	1.6421	1.6929	34.5082	-166.339	-24.198799	-104.257	1.8	1.5167	0.0289
3.0184	0.588	0.0391	0.63	0.0118	1.6535	1.6789	25.7987	-37.1609	19.1633	-25.4184	1.8	1.5167	0.0516
4.0189	0.5759	0.0474	0.613	0.0149	1.6535	1.6828	25.1397	-37.2178	18.6152	-26.6206	1.8	1.5167	0.0634
5.0195	0.5646	0.0513	0.6045	0.0163	1.6535	1.6853	25.8801	-37.5473	18.7771	-27.1529	1.8	1.5167	0.0676
6.0201	0.5689	0.0524	0.6128	0.0163	1.6535	1.6868	26.1119	-38.6904	19.329201	-27.267	1.8	1.5167	0.0699
7.0207	0.5842	0.0512	0.6286	0.0156	1.6486	1.6882	27.1248	-38.6416	20.3722	-27.3276	1.8	1.5167	0.0685
8.0221	0.6081	0.0489	0.6495	0.0149	1.6536	1.6808	27.6822	-39.1583	20.975	-27.4968	1.8	1.5167	0.0653
9.0227	0.6289	0.0498	0.6709	0.0152	1.6487	1.6869	27.4096	-40.3583	20.849701	-28.4093	1.8	1.5167	0.0663
10.0233	0.6554	0.0494	0.6971	0.0153	1.6487	1.6889	28.1988	-40.8912	21.4258	-28.9214	1.8	1.5167	0.066
11.024	0.6874	0.0494	0.7286	0.0155	1.6487	1.6891	28.7846	-41.237	22.3202	-28.5516	1.8	1.5167	0.0647
12.0246	0.7253	0.0489	0.7652	0.0156	1.6494	1.6893	31.8315	-40.761	24.4998	-27.3685	1.8	1.5167	0.0647
13.0252	0.7611	0.0489	0.8012	0.0146	1.6503	1.6867	35.7285	-41.1393	27.136499	-26.3435	1.8	1.5167	0.0641
14.0257	0.7927	0.0479	0.8312	0.0141	1.651	1.6839	36.4282	-41.2939	27.180799	-26.9092	1.8	1.5167	0.063
15.0266	0.8198	0.0471	0.8574	0.0139	1.6517	1.6859	36.6764	-41.8594	27.403999	-27.3904	1.8	1.5167	0.0637
16.0107	0.8415	0.0472	0.8789	0.0137	1.6537	1.6824	36.7496	-42.7787	27.634001	-27.7731	1.8	1.5167	0.0627
17.0115	0.8596	0.0469	0.8967	0.0137	1.6524	1.6825	37.3761	-42.7462	27.9009	-28.1659	1.8	1.5167	0.0629
18.0121	0.8755	0.0466	0.9118	0.0136	1.6537	1.6835	37.1198	-43.9584	28.142401	-28.7153	1.8	1.5167	0.0631
19.0129	0.8877	0.046	0.9235	0.0135	1.6537	1.6825	37.7259	-44.4506	28.3855	-29.0592	1.8	1.5167	0.0633
20.0137	0.8982	0.0459	0.9339	0.0132	1.6529	1.6847	37.6283	-44.4466	28.6425	-29.5874	1.8	1.5167	0.0623
21.0149	0.9053	0.0472	0.9419	0.0131	1.6538	1.6835	38.0391	-45.2887	28.958099	-30.0799	1.8	1.5167	0.0624
22.0159	0.9122	0.0464	0.948	0.013	1.6538	1.683	38.4866	-46.086	29.2288	-30.6939	1.8	1.5167	0.0619
23.0167	0.9179	0.0458	0.9532	0.0126	1.6538	1.6846	39.0724	-47.3511	29.5828	-31.3845	1.8	1.5167	0.0613
24.0174	0.9225	0.0461	0.958	0.0126	1.6538	1.6821	39.1253	-48.0711	29.969999	-31.8664	1.8	1.5167	0.0623
25.0183	0.9274	0.0449	0.9619	0.0122	1.6538	1.6812	39.4955	-49.1003	30.276199	-32.4615	1.8	1.5167	0.0609
26.0191	0.93	0.0455	0.9649	0.0123	1.6535	1.6807	39.8087	-49.3566	30.6392	-32.9739	1.8	1.5167	0.0621
27.02	0.933	0.0453	0.9677	0.012	1.6538	1.6834	40.2521	-50.6461	30.999201	-33.6615	1.8	1.5167	0.0605
28.0207	0.9359	0.0449	0.97	0.012	1.6538	1.6842	40.5084	-51.2563	31.345501	-34.331	1.8	1.5167	0.0606
29.0217	0.9377	0.0446	0.9715	0.012	1.6538	1.6839	40.4921	-52.1106	31.6523	-34.8795	1.8	1.5167	0.0605
30.0225	0.9381	0.0457	0.9726	0.0124	1.6538	1.6839	41.086	-53.1113	31.991199	-35.3759	1.8	1.5167	0.0621
31.0262	0.9387	0.046	0.9733	0.0124	1.6538	1.6839	41.2569	-53.7215	32.255001	-35.8001	1.8	1.5167	0.0616
32.0111	0.9405	0.0453	0.9745	0.0123	1.6538	1.6834	41.3952	-53.7418	32.519501	-36.1933	1.8	1.5167	0.0605
33.0121	0.9412	0.0454	0.9752	0.0123	1.6538	1.6813	42.0989	-54.7059	32.821701	-36.5069	1.8	1.5167	0.0603
34.0138	0.9417	0.0453	0.9754	0.0125	1.6538	1.6825	42.1274	-55.2795	33.004398	-36.9769	1.8	1.5167	0.0611
35.0189	0.942	0.0451	0.9755	0.0125	1.6538	1.6831	42.762	-55.9426	33.283001	-37.3267	1.8	1.5167	0.0611
36.0231	0.9422	0.0455	0.976	0.0126	1.6538	1.6806	43.2827	-55.9589	33.5485	-37.559	1.8	1.5167	0.0608
37.0259	0.942	0.0454	0.9757	0.0127	1.6538	1.6823	43.0793	-56.0443	33.734402	-38.0378	1.8	1.5167	0.0613
38.0272	0.9418	0.0458	0.9754	0.013	1.6538	1.6836	43.3804	-56.8009	33.912601	-38.3461	1.8	1.5167	0.0619
39.012	0.9415	0.0461	0.9754	0.013	1.6538	1.6839	43.5919	-56.9515	34.2006	-38.6348	1.8	1.5167	0.0616
40.0152	0.9422	0.0459	0.976	0.013	1.6538	1.6838	44.0027	-57.704	34.3134	-38.7843	1.8	1.5167	0.0619
41.0182	0.9422	0.0461	0.9759	0.0132	1.6538	1.6823	44.3038	-58.0701	34.501499	-38.9412	1.8	1.5167	0.0622
42.0211	0.9421	0.0459	0.9756	0.0134	1.6538	1.6829	44.5072	-57.9196	34.655399	-39.2514	1.8	1.5167	0.0623
43.0246	0.9408	0.0472	0.9751	0.0138	1.6538	1.6825	44.4909	-58.4688	34.837601	-39.5169	1.8	1.5167	0.0639
44.0254	0.9415	0.0461	0.9748	0.0135	1.6538	1.684	44.8774	-59.1685	35.040501	-39.8568	1.8	1.5167	0.0619
45.0263	0.9409	0.0461	0.9739	0.0137	1.6538	1.6821	45.276	-59.7014	35.231201	-40.0881	1.8	1.5167	0.0623
46.0273	0.9411	0.0459	0.974	0.0136	1.6538	1.6815	45.6706	-59.6444	35.435299	-40.3719	1.8	1.5167	0.0618
47.0125	0.9405	0.0462	0.9735	0.0138	1.6538	1.6828	45.4103	-59.5265	35.6213	-40.7343	1.8	1.5167	0.0616
48.014	0.9406	0.0461	0.9734	0.0139	1.6538	1.6827	45.874	-60.7428	35.780998	-40.9964	1.8	1.5167	0.0621
49.0158	0.94	0.0463	0.9727	0.0142	1.6538	1.6816	45.8781	-61.1943	36.006802	-41.2334	1.8	1.5167	0.0632
50.0167	0.9395	0.0462	0.9721	0.0143	1.6538	1.6838	46.5737	-60.8933	36.231201	-41.5851	1.8	1.5167	0.0626
51.0177	0.9395	0.0467	0.9725	0.014	1.6538	1.6846	46.4232	-61.7272	36.368401	-42.0336	1.8	1.5167	0.0612
52.0188	0.9382	0.0467	0.9708	0.0146	1.6538	1.684	47.0903	-62.5327	36.686798	-42.2748	1.8	1.5167	0.0629
53.0202	0.9377	0.0463	0.9702	0.0144	1.6538	1.6821	47.2123	-63.7327	36.9398	-42.587	1.8	1.5167	0.0613
54.0215	0.9368	0.0468	0.9694	0.0147	1.6538	1.6854	47.4686	-62.8825	37.144798	-43.011	1.8	1.5167	0.0627
55.0225	0.9359	0.0474	0.969	0.0148	1.6538	1.6841	47.8022	-63.8954	37.401901	-43.3904	1.8	1.5167	0.0626
56.0233	0.9363	0.0464	0.9684	0.0147	1.6538	1.6813	47.8673	-64.2249	37.694599	-43.6906	1.8	1.5167	0.0613
57.0247	0.9338	0.046	0.9665	0.0148	1.6538	1.681	49.0429	-64.3226	37.980801	-44.1002	1.8	1.5167	0.0612
58.0256	0.9393	0.0467	0.971	0.0148	1.6538	1.6841	49.2667	-65.1687	38.257099	-44.7458	1.8	1.5167	0.0616
59.0267	0.9388	0.0477	0.9714	0.0153	1.6538	1.6828	49.5555	-66.4705	38.623001	-45.1377	1.8	1.5167	0.0642
60.0278	0.9369	0.0471	0.9689	0.0154	1.6538	1.6807	49.7711	-66.6657	38.921799	-45.5621	1.8	1.5167	0.0636
61.013	0.9378	0.0477	0.9706	0.0153	1.6538	1.6815	50.7799	-67.1701	39.2173	-46.0495	1.8	1.5167	0.0635
62.0139	0.939	0.0471	0.9711	0.0151	1.6538	1.6828	50.6172	-67.7315	39.490398	-46.5187	1.8	1.5167	0.0625
63.016	0.9369	0.0473	0.9688	0.0157	1.6538	1.6841	51.443	-68.6671	39.838699	-47.0749	1.8	1.5167	0.0644
64.0189	0.9366	0.0479	0.9685	0.0158	1.6538	1.6844	51.6383	-69.5377	40.0867	-47.52	1.8	1.5167	0.0637
65.0222	0.9379	0.0479	0.9701	0.0157	1.6538	1.6804	52.1061	-70.0747	40.289299	-47.763	1.8	1.5167	0.0637
66.0249	0.9361	0.0487	0.9685	0.0163	1.6538	1.6802	51.9149	-70.5343	40.4268	-47.8428	1.8	1.5167	0.0644
67.0262	0.9337	0.0486	0.9661	0.0164	1.6538	1.6831	52.0857	-70.9045	40.350101	-48.342	1.8	1.5167	0.0649
68.0271	0.9363	0.0481	0.9687	0.016	1.6538	1.6855	51.9474	-71.3113	39.7658	-49.9285	1.8	1.5167	0.0645
69.0278	0.9341	0.0477	0.9656	0.0162	1.6538	1.6833	51.4023	-73.3127	39.066399	-51.6499	1.8	1.5167	0.0649
70.0284	0.9335	0.0485	0.9666	0.0161	1.6538	1.6804	50.7962	-73.6544	38.515701	-52.7975	1.8	1.5167	0.0657
71.0126	0.9346	0.0478	0.9669	0.0157	1.6538	1.6817	50.9142	-74.5291	38.295898	-53.7688	1.8	1.5167	0.0646
72.0134	0.9331	0.0471	0.9646	0.0157	1.6538	1.683	50.6132	-75.5705	38.006001	-54.6869	1.8	1.5167	0.0642
73.0142	0.9317	0.0474	0.9637	0.0156	1.6538	1.6835	51.5528	-76.6607	38.033901	-56.0787	1.8	1.5167	0.0639
74.015	0.93	0.0473	0.9615	0.0157	1.6538	1.6842	52.7407	-80.6066	39.101101	-58.8699	1.8	1.5167	0.0638
75.016	0.9309	0.0474	0.9625	0.0159	1.6538	1.6828	55.7388	-85.3457	40.850399	-62.2207	1.8	1.5167	0.0643
76.0168	0.9327	0.0481	0.9623	0.0164	1.6538	1.6804	66.8808	-102.216	48.829201	-73.7262	1.8	1.5167	0.0654
77.0177	0.9303	0.0509	0.9549	0.0189	1.6538	1.682	106.3195	-149.9	73.509903	-108.19	1.8	1.5167	0.0685

0.01426

Ins CO2Mi	VO2	Stpd	VCO2	Stpc	VE	Stpd	RR	Spare	InsWB End	InsDB End	ExpDB End	ExpWB En	ExpDB End	Time (min)	ExpH2OVa	InsH2OVap
Frac	L/M		L/M		L/M		/min		Degree C	Degree C	Degree C	Degree C	Degree C	Min	Ml/min	Ml/min
0.0046		0.5		0.5	26.6801		16.4801	0	20.0587	23.1211	23.1822	20.3481	23.1822	1.017	663.9386	658.0365
0		1.35		1.15	29.7062		18.0905	0	19.5579	25.5428	29.2427	26.4398	29.2427	2.0178	840.2544	823.5997
0		1.35		1.15	29.9135		18.0905	0	21.9974	26.8438	31.5191	31.3741	31.5191	3.0184	1069.656	1039.154
0.0002		1.35		1.15	29.9135		18.0905	0	21.2162	28.1259	31.4026	31.1447	31.4026	4.0189	1008.877	971.9426
0.0002		1.35		1.15	29.9133		18.0905	0	20.9642	29.0569	31.4281	31.1089	31.4281	5.0195	981.4817	935.6932
0.0002		1.35		1.15	29.9133		18.0905	0	21.314	29.8364	31.4969	31.101	31.4969	6.0201	982.3645	929.882
0.0002		1.35		1.15	29.8249		18.0905	0	21.4056	30.5055	31.5463	31.0626	31.5463	7.0207	973.6814	914.7682
0.0003		1.35		1.15	29.914		18.0905	0	21.4629	31.1868	31.6561	31.0574	31.6561	8.0221	968.3598	906.7977
0.0004		1.35		1.15	29.8256		18.0905	0	21.5865	31.766	31.7726	31.1037	31.7726	9.0227	964.0201	900.5807
0.0005		1.35		1.15	29.8261		18.0905	0	21.7291	32.4118	32.0145	31.3478	32.0145	10.0233	973.601	902.4583
0.0006		1.35		1.15	29.8266		18.0905	0	21.8585	32.9694	32.1915	31.5519	32.1915	11.024	982.7068	906.8484
0.0006		1.35		1.15	29.8382		18.0905	0	21.8201	33.5169	32.429	31.726	32.429	12.0246	983.059	902.376
0.0005		1.35		1.15	29.8554		18.0905	0	21.5587	33.9414	32.5255	31.7702	32.5255	13.0252	973.2822	879.5974
0.0005		1.35		1.15	29.8683		18.0905	0	21.4918	34.5139	32.814	31.9296	32.814	14.0257	966.8625	868.8782
0.0004		1.35		1.15	29.8807		18.0905	0	21.4929	34.9589	32.9039	31.8891	32.9039	15.0266	961.6343	862.7081
0.0003		1.35		1.15	29.9169		18.0905	0	21.5734	35.3006	32.9771	31.8849	32.9771	16.0107	959.3336	862.8886
0.0003		1.35		1.15	29.8922		18.0905	0	21.717	35.7118	33.1652	31.9596	33.1652	17.0115	958.9053	864.02
0.0004		1.35		1.15	29.9171		18.0905	0	23.9982	36.0518	33.1863	32.0175	33.1863	18.0121	1023.512	952.93
0.0003		1.35		1.15	29.9172		18.0905	0	33.2486	36.3803	33.3622	33.4395	33.3622	19.0129	1490.389	1436.541
0.0003		1.35		1.15	29.9024		18.0905	0	34.2566	36.7193	33.4226	33.8341	33.4226	20.0137	1574.195	1510.102
0.0002		1.35		1.15	29.9173		18.0905	0	27.1963	36.9911	33.5014	31.7807	33.5014	21.0149	1173.398	1091.73
0.0002		1.35		1.15	29.9173		18.0905	0	23.652	37.3379	33.5996	31.121	33.5996	22.0159	949.8945	901.355
0.0002		1.35		1.15	29.9173		18.0905	0	24.9709	37.7035	33.6573	30.1856	33.6573	23.0167	947.5275	906.6993
0.0001		1.35		1.15	29.9174		18.0905	0	25.3487	38.1518	33.8892	30.486	33.8892	24.0174	962.3396	929.0138
0.0001		1.35		1.15	29.9174		18.0905	0	25.5633	38.6023	34.0484	30.8201	34.0484	25.0183	985.2244	953.7377
0.0001		1.35		1.15	29.9119		18.0905	0	25.8784	39.0101	34.1966	31.1452	34.1966	26.0191	1010.387	982.1116
0.0001		1.35		1.15	29.9174		18.0905	0	26.3077	39.5837	34.4723	31.4956	34.4723	27.02	1036.757	1011.086
0.0001		1.35		1.15	29.9174		18.0905	0	26.5976	40.1108	34.6249	31.786	34.6249	28.0207	1057.962	1033.402
0.0001		1.35		1.15	29.9174		18.0905	0	26.8417	40.5729	34.6782	31.948	34.6782	29.0217	1071.961	1051.844
0.0001		1.35		1.15	29.9174		18.0905	0	27.1358	41.0695	34.9539	32.1432	34.9539	30.0225	1086.525	1070.46
0.0001		1.35		1.15	29.9174		18.0905	0	27.331	41.439	35.0249	32.2363	35.0249	31.0262	1095.103	1082.835
0.0001		1.35		1.15	29.9174		18.0905	0	27.5057	41.8296	35.0532	32.3226	35.0532	32.0111	1101.555	1092.552
0.0001		1.35		1.15	29.9174		18.0905	0	27.6567	42.2157	35.2635	32.4541	35.2635	33.0121	1107.389	1101.691
0.0001		1.35		1.15	29.9174		18.0905	0	27.775	42.5808	35.3644	32.5252	35.3644	34.0138	1111.453	1107.825
0.0001		1.35		1.15	29.9174		18.0905	0	27.8576	42.8321	35.3761	32.5562	35.3761	35.0189	1111.84	1111.938
0.0001		1.35		1.15	29.9174		18.0905	0	27.9444	42.9969	35.5287	32.6351	35.5287	36.0231	1113.987	1117.566
0.0001		1.35		1.15	29.9174		18.0905	0	28.0123	43.2776	35.5958	32.7219	35.5958	37.0259	1119.803	1122.378
0.0001		1.35		1.15	29.9174		18.0905	0	28.0749	43.4363	35.6013	32.9019	35.6013	38.0272	1133.795	1129.734
0.0001		1.35		1.15	29.9174		18.0905	0	28.2049	43.5889	35.7595	33.1097	35.7595	39.012	1153.051	1143.167
0.0001		1.35		1.15	29.9174		18.0905	0	28.369	43.7797	35.8948	33.3638	35.8948	40.0152	1172.361	1160.562
0.0001		1.35		1.15	29.9175		18.0905	0	28.5463	43.9001	35.9647	33.4837	35.9647	41.0182	1186.344	1174.834
0.0001		1.35		1.15	29.9175		18.0905	0	28.7362	44.0338	36.0574	33.5684	36.0574	42.0211	1198.577	1187.601
0.0001		1.35		1.15	29.9175		18.0905	0	28.9335	44.2113	36.1811	33.6452	36.1811	43.0246	1208.994	1202.849
0.0001		1.35		1.15	29.9175		18.0905	0	29.0908	44.3168	36.2249	33.6694	36.2249	44.0254	1214.827	1211.305
0.0001		1.35		1.15	29.9175		18.0905	0	29.2918	44.3894	36.2671	33.6847	36.2671	45.0263	1221.639	1222.279
0.0001		1.35		1.15	29.9175		18.0905	0	29.4664	44.5015	36.3564	33.6873	36.3564	46.0273	1229.077	1232.346
0.0001		1.35		1.15	29.9175		18.0905	0	29.7048	44.5453	36.3048	33.6447	36.3048	47.0125	1234.29	1242.631
0.0001		1.35		1.15	29.9175		18.0905	0	29.8763	44.6141	36.3742	33.6394	36.3742	48.014	1239.919	1253.664
0.0001		1.35		1.15	29.9175		18.0905	0	30.0825	44.6169	36.382	33.6294	36.382	49.0158	1249.047	1266.909
0.0001		1.35		1.15	29.9175		18.0905	0	30.3776	44.8122	36.5112	33.6589	36.5112	50.0167	1259.07	1282.302
0.0001		1.35		1.15	29.9175		18.0905	0	30.5728	44.8688	36.5384	33.6505	36.5384	51.0177	1263.754	1293.785
0.0002		1.35		1.15	29.9175		18.0905	0	30.7675	44.8288	36.5151	33.5868	36.5151	52.0188	1271.033	1303.785
0.0002		1.35		1.15	29.9175		18.0905	0	30.9511	44.9609	36.5184	33.6163	36.5184	53.0202	1280.443	1316.636
0.0002		1.35		1.15	29.9175		18.0905	0	31.2531	45.1024	36.6716	33.7831	36.6716	54.0215	1302.186	1342.019
0.0002		1.35		1.15	29.9175		18.0905	0	31.6987	45.1506	36.7437	34.004	36.7437	55.0225	1330.711	1377.444
0.0002		1.35		1.15	29.9175		18.0905	0	32.6488	45.2166	36.7942	33.761	36.7942	56.0233	1369.539	1394.013
0.0002		1.35		1.15	29.9175		18.0905	0	32.6435	45.3032	36.9262	33.9435	36.9262	57.0247	1379.481	1408.777
0.0001		1.35		1.15	29.9175		18.0905	0	32.9245	45.458	36.9601	34.0146	36.9601	58.0256	1396.429	1425.861
0.0001		1.35		1.15	29.9175		18.0905	0	33.2201	45.4719	36.9628	34.0303	36.9628	59.0267	1417.841	1450.866
0.0001		1.35		1.15	29.9175		18.0905	0	33.5042	45.4591	36.9451	34.1198	36.9451	60.0278	1438.8	1475.751
0.0001		1.35		1.15	29.9175		18.0905	0	33.8462	45.5434	37.0483	34.3213	37.0483	61.013	1465.834	1510.506
0.0001		1.35		1.15	29.9175		18.0905	0	34.1918	45.5767	37.0499	34.3623	37.0499	62.0139	1486.517	1536.703
0.0001		1.35		1.15	29.9175		18.0905	0	34.5243	45.5063	36.9329	34.3734	36.9329	63.016	1505.253	1562.773
0.0001		1.35		1.15	29.9175		18.0905	0	34.7532	45.4047	36.8924	34.4381	36.8924	64.0189	1525.819	1591.405
0.0001		1.35		1.15	29.9175		18.0905	0	35.0741	45.1556	36.8092	34.4307	36.8092	65.0222	1541.983	1614.143
0.0001		1.35		1.15	29.9175		18.0905	0	35.2677	45.068	36.7004	34.4028	36.7004	66.0249	1551.849	1631.249
0.0001		1.35		1.15	29.9175		18.0905	0	35.5118	44.9731	36.6943	34.478	36.6943	67.0262	1568.948	1652.105
0.0001		1.35		1.15	29.9175		18.0905	0	35.7023	45.0735	36.7126	34.599	36.7126	68.0271	1584.531	1666.836
0.0001		1.35		1.15	29.9175		18.0905	0	35.7707	45.2438	36.7825	34.7532	36.7825	69.0278	1596.842	1676.817
0.0001		1.35		1.15	29.9175		18.0905	0	35.9627	45.2682	36.8391	34.9152	36.8391	70.0284	1614.588	1702.172
0.0001		1.35		1.15	29.9175		18.0905	0	36.3436	45.2222	36.965	34.7311	36.965	71.0126	1603.717	1726.863
0.0001		1.35		1.15	29.9175		18.0905	0	36.7324	45.504	37.1326	34.9215	37.1326	72.0134	1630.54	1755.701
0.0001		1.35		1.15	29.9175		18.0905	0	37.077	45.6949	37.3251	35.1341	37.3251	73.0142	1656.142	1785.705
0.0002		1.35		1.15	29.9175		18.0905	0	37.3905	45.9745	37.5731	35.2425	37.5731	74.015	1673.101	1818.736
0.0002		1.35		1.15	29.9175		18.0905	0	37.8819	46.1043	37.7806	35.4771	37.7806	75.016	1715.206	1862.949
0.0002		1.35		1.15	29.9175		18.0905	0	38.1581	46.2569	37.9931	35.7044	37.9931	76.0168	1742.559	1897.386
0.0002		1.35		1.15	29.9176		18.0905	0	38.4101	46.233	38.2666	35.8617	38.2666	77.0177	1775.693	1928.646

Avg Exh O2	MouthO2T	Mth CO2T/	MouthO2V	Mth CO2V/	InsWBAvgT	InsDBAvgT	VH2o	ExpCO2Mi	InO2TimAv	InCO2TimA	ExpTpDBA	ExpTpWBA	ExpO2Min	N2TransIm	O2TransImb
Frac	Frac	Frac	Frac	Frac	Degree C	Degree C	Ml/min	Frac	Frac	Frac	Degree C	Degree C	Frac	Liters	Liters
0.6458	0.202	0.0054	NaN	NaN	20.1312	23.0542	5.9021	0	0.2036	0.0057	23.7802	20.6676	0.1933	0.0047	0
0.7329	0.5491	0.0139	0.5475	0.0136	23.4505	27.1125	16.6547	0	0.5927	0.0072	27.9949	24.1688	0.4457	0.0398	0.0989
0.7476	0.6094	0.026	0.609	0.0255	27.6814	28.8428	30.5022	0	0.629	0.0135	30.0019	28.2964	0.5695	0.0071	0.1828
0.75	0.5941	0.0317	0.5944	0.0311	26.9753	29.2604	36.9339	0	0.6113	0.0168	30.1919	27.64	0.5585	0.0025	0.1763
0.7531	0.5842	0.0343	0.5846	0.0338	26.6499	29.7549	45.7885	0	0.6026	0.0183	30.4737	27.383	0.5472	0.0001	0.1706
0.7561	0.5902	0.035	0.5909	0.0343	26.6892	30.2053	52.4825	0	0.6104	0.0185	30.7682	27.4632	0.5499	0.0031	0.1728
0.759	0.6056	0.0342	0.6064	0.0334	26.6331	30.6025	58.9132	0	0.626	0.0179	31.0598	27.4632	0.5655	0.0068	0.1797
0.7619	0.6279	0.0326	0.6288	0.0319	26.5977	30.9973	61.5621	0	0.6469	0.0171	31.3858	27.4426	0.5905	0.0068	0.1897
0.7646	0.649	0.0332	0.6499	0.0325	26.6423	31.3538	63.4394	0	0.6682	0.0174	31.6729	27.4927	0.6113	0.0053	0.1999
0.7679	0.6753	0.033	0.6762	0.0323	26.7685	31.7688	71.1428	0	0.6944	0.0174	32.0492	27.694	0.6376	0.0054	0.2116
0.7707	0.7071	0.033	0.708	0.0325	26.9116	32.13	75.8584	0	0.7259	0.0175	32.3702	27.8745	0.6708	0.0059	0.2245
0.7737	0.7443	0.0329	0.7452	0.0323	26.9451	32.5088	80.683	0	0.7625	0.0176	32.7303	27.9571	0.7084	0.0054	0.24
0.7757	0.7801	0.0324	0.7812	0.0318	26.7202	32.7659	93.685	0	0.7984	0.0168	32.9437	27.8867	0.7442	0.0058	0.2539
0.7791	0.8109	0.0317	0.812	0.031	26.6873	33.1866	97.9843	0	0.8285	0.0163	33.3406	27.8991	0.776	0.0052	0.2656
0.781	0.8375	0.0313	0.8386	0.0305	26.6687	33.4385	98.9262	0	0.8547	0.0161	33.548	27.8819	0.8009	0.0064	0.2755
0.7826	0.8592	0.0312	0.8602	0.0305	26.7109	33.651	96.4449	0	0.8763	0.0159	33.7337	27.8848	0.8237	0.0046	0.2832
0.7851	0.8771	0.031	0.8781	0.0303	26.8106	33.9604	94.8852	0	0.8941	0.0159	34.0175	27.9545	0.8408	0.0056	0.2894
0.7864	0.8927	0.0308	0.8937	0.0301	27.8628	34.1512	70.5817	0	0.9093	0.0157	34.1686	28.684	0.8566	0.0046	0.295
0.7884	0.9046	0.0306	0.9056	0.0298	32.8184	34.3972	53.8489	0	0.9209	0.0157	34.3794	33.2887	0.8673	0.0084	0.2988
0.7901	0.9151	0.0303	0.916	0.0296	33.5186	34.625	64.0931	0	0.9315	0.0154	34.5787	34.0594	0.8788	0.0028	0.3021
0.7913	0.9227	0.0309	0.9236	0.0302	29.3713	34.7848	81.6677	0	0.9395	0.0153	34.7105	30.2035	0.8866	0.0028	0.3049
0.7931	0.9292	0.0304	0.9301	0.0297	27.5064	35.0102	48.5395	0	0.9457	0.0151	34.9211	28.0495	0.8935	0.0048	0.3069
0.7945	0.9347	0.0299	0.9356	0.0292	27.6161	35.209	40.8282	0	0.9509	0.0148	35.066	28.0542	0.8991	0.0064	0.3087
0.7972	0.9393	0.0301	0.9403	0.0293	27.9534	35.5445	33.3257	0	0.9556	0.0149	35.3931	28.2979	0.9032	0.008	0.3102
0.7994	0.9437	0.0294	0.9447	0.0286	28.2969	35.8175	31.4866	0	0.9595	0.0145	35.6502	28.611	0.9078	0.0093	0.3117
0.8015	0.9464	0.0297	0.9474	0.0289	28.6747	36.0845	28.2757	0	0.9625	0.0146	35.9041	28.9445	0.9095	0.0066	0.3127
0.8048	0.9495	0.0294	0.9504	0.0286	29.0823	36.5129	25.6709	0	0.9654	0.0142	36.2957	29.3104	0.9137	0.0044	0.3137
0.8071	0.952	0.0292	0.9529	0.0284	29.3826	36.8017	24.5597	0	0.9678	0.0142	36.5467	29.5875	0.9161	0.0053	0.3145
0.809	0.9537	0.0291	0.9546	0.0283	29.6292	37.0501	20.117	0	0.9693	0.0142	36.7622	29.7785	0.9175	0.0059	0.3151
0.8119	0.9544	0.0298	0.9553	0.029	29.9008	37.4263	16.0652	0	0.9703	0.0147	37.1104	30.0007	0.9172	0.0062	0.3152
0.8136	0.955	0.03	0.956	0.0292	30.0739	37.6503	12.2682	0	0.971	0.0147	37.3072	30.1287	0.9177	0.0065	0.3156
0.8152	0.9566	0.0295	0.9575	0.0288	30.2139	37.852	9.0035	0	0.9723	0.0145	37.4853	30.2305	0.9207	0.0069	0.3161
0.8176	0.9573	0.0295	0.9582	0.0288	30.3669	38.1521	5.6983	0	0.973	0.0144	37.7645	30.346	0.9217	0.007	0.3161
0.8192	0.9576	0.0296	0.9586	0.0289	30.4726	38.3711	3.6277	0	0.9732	0.0147	37.9507	30.4243	0.9205	0.0073	0.3163
0.8202	0.9578	0.0296	0.9587	0.0288	30.5403	38.5041	-0.0972	0	0.9732	0.0147	38.0669	30.4516	0.9207	0.0073	0.3163
0.8217	0.9582	0.0298	0.9591	0.0291	30.6288	38.6675	-3.5791	0	0.9738	0.0148	38.2581	30.5114	0.9215	0.0076	0.3166
0.823	0.9579	0.0298	0.9589	0.029	30.712	38.8464	-2.5744	0	0.9734	0.0149	38.3997	30.5976	0.9203	0.0075	0.3165
0.8235	0.9577	0.0301	0.9586	0.0294	30.8003	38.9262	4.061	0	0.9732	0.0151	38.4607	30.7481	0.92	0.0075	0.3166
0.8248	0.9576	0.0303	0.9584	0.0296	30.9608	39.0747	9.8846	0	0.9732	0.0151	38.6092	30.9659	0.9207	0.0074	0.3162
0.8261	0.9582	0.0301	0.9591	0.0294	31.1611	39.236	11.799	0	0.9738	0.0151	38.7768	31.1859	0.9208	0.0075	0.3164
0.8267	0.9582	0.0304	0.9591	0.0297	31.3146	39.3201	11.5102	0	0.9737	0.0154	38.8414	31.3327	0.9207	0.0076	0.3164
0.8277	0.9579	0.0304	0.9589	0.0297	31.4589	39.4371	10.9755	0	0.9734	0.0156	38.9605	31.4722	0.92	0.0075	0.3163
0.8288	0.957	0.0313	0.9579	0.0305	31.6307	39.5813	6.1456	0	0.9728	0.0161	39.0801	31.5936	0.9179	0.0074	0.316
0.8295	0.9574	0.0304	0.9582	0.0298	31.7266	39.6674	3.5212	0	0.9727	0.0155	39.1738	31.6664	0.9209	0.0074	0.3161
0.8301	0.9565	0.0306	0.9574	0.0299	31.8419	39.7343	-0.6407	0	0.9718	0.0158	39.2582	31.7464	0.9192	0.0073	0.3161
0.8308	0.9567	0.0304	0.9576	0.0297	31.9497	39.8095	-3.2697	0	0.9719	0.0157	39.3347	31.8304	0.9197	0.0073	0.3159
0.8308	0.9562	0.0306	0.957	0.03	32.0501	39.837	-8.3411	0	0.9715	0.0158	39.3167	31.8757	0.9189	0.0072	0.316
0.8314	0.9561	0.0307	0.957	0.03	32.164	39.903	-13.7449	0	0.9713	0.016	39.4064	31.9448	0.9189	0.0071	0.3158
0.8314	0.9555	0.031	0.9563	0.0302	32.2839	39.8955	-17.8625	0	0.9706	0.0163	39.4017	32.0285	0.9176	0.007	0.3155
0.8327	0.955	0.0309	0.9558	0.0302	32.4521	40.0488	-23.2323	0	0.9701	0.0162	39.5646	32.1512	0.9183	0.007	0.3155
0.8331	0.9553	0.0309	0.956	0.0303	32.5657	40.1024	-30.0307	0	0.9706	0.0159	39.6103	32.2026	0.9191	0.0069	0.3155
0.8331	0.9537	0.0312	0.9545	0.0306	32.655	40.0984	-32.7516	0	0.9689	0.0165	39.6062	32.2686	0.9168	0.0068	0.3154
0.8331	0.9533	0.0309	0.954	0.0303	32.7719	40.1082	-36.1923	0	0.9683	0.0163	39.6108	32.3553	0.9172	0.0065	0.315
0.8345	0.9523	0.0313	0.9531	0.0308	33.0272	40.2763	-39.8324	0	0.9674	0.0166	39.7614	32.5797	0.915	0.0065	0.315
0.835	0.9517	0.0317	0.9524	0.0311	33.3481	40.3375	-46.733	0	0.967	0.0168	39.8396	32.8493	0.9151	0.0064	0.3148
0.8354	0.9517	0.0311	0.9524	0.0305	33.502	40.3944	-24.474	0	0.9665	0.0166	39.8829	33.1997	0.916	0.0063	0.3148
0.8363	0.9495	0.031	0.9502	0.0304	33.648	40.5011	-29.2961	0	0.9647	0.0167	39.9923	33.3061	0.9138	0.006	0.3145
0.8371	0.9545	0.0312	0.9551	0.0307	33.812	40.6049	-29.431	0	0.9692	0.0166	40.0779	33.4683	0.918	0.0066	0.3151
0.8373	0.9544	0.0321	0.9551	0.0315	34.0275	40.6246	-33.0255	0	0.9695	0.0172	40.0935	33.6556	0.9174	0.0076	0.3159
0.8371	0.9521	0.0319	0.9529	0.0312	34.2368	40.6248	-36.9512	0	0.967	0.0173	40.072	33.8313	0.915	0.0069	0.3151
0.8378	0.9535	0.0321	0.9542	0.0315	34.5397	40.7088	-44.6718	0	0.9686	0.0172	40.1524	34.0739	0.9162	0.007	0.3153
0.8381	0.9543	0.0316	0.955	0.0311	34.7595	40.7339	-50.1851	0	0.9693	0.017	40.1841	34.2531	0.9175	0.0073	0.3156
0.8374	0.9521	0.0321	0.9529	0.0315	34.9598	40.6588	-57.52	0	0.967	0.0176	40.0887	34.3935	0.9136	0.007	0.315
0.8369	0.9518	0.0324	0.9525	0.0319	35.1808	40.5944	-65.5859	0	0.9667	0.0176	40.0348	34.555	0.9142	0.0067	0.3149
0.8358	0.9532	0.0324	0.954	0.0318	35.3401	40.4506	-72.1603	0	0.9682	0.0176	39.9038	34.6667	0.9157	0.0073	0.3156
0.8346	0.9516	0.033	0.9523	0.0325	35.4571	40.3286	-79.4005	0	0.9666	0.0181	39.7683	34.7254	0.9134	0.007	0.3151
0.8345	0.9492	0.033	0.9499	0.0325	35.6171	40.2944	-83.1571	0	0.9643	0.0182	39.7445	34.8614	0.9107	0.0061	0.3141
0.8349	0.9517	0.0326	0.9525	0.0321	35.7436	40.3597	-82.3054	0	0.9668	0.0178	39.7842	34.9946	0.9133	0.0067	0.3149
0.8356	0.949	0.0325	0.9499	0.0319	35.8363	40.4516	-79.975	0	0.9637	0.0181	39.8617	35.1067	0.9102	0.0063	0.3143
0.8362	0.9493	0.0329	0.9501	0.0323	36.0465	40.5316	-87.5841	0	0.9646	0.0181	39.9186	35.2586	0.9098	0.006	0.3141
0.8365	0.95	0.0323	0.9508	0.0318	36.2455	40.5835	-123.146	0	0.965	0.0176	39.9715	35.1798	0.9118	0.0061	0.3142
0.8383	0.948	0.032	0.9488	0.0314	36.5012	40.8095	-125.161	0	0.9627	0.0176	40.1738	35.4269	0.9088	0.0056	0.3138
0.84	0.9469	0.0321	0.9477	0.0315	36.7621	41.0291	-129.563	0	0.9618	0.0174	40.367	35.6603	0.9081	0.005	0.3131
0.842	0.945	0.0321	0.9457	0.0315	37.0468	41.2736	-145.635	0	0.9597	0.0176	40.6218	35.8336	0.9063	0.0047	0.3128
0.8437	0.9459	0.0323	0.9467	0.0317	37.4042	41.4726	-147.743	0	0.9606	0.0178	40.8216	36.1922	0.9064	0.0045	0.3125
0.8453	0.9467	0.0329	0.9475	0.0323	37.6821	41.6465	-154.828	0	0.9606	0.0183	41.0476	36.4371	0.9057	0.0053	0.3132
0.8472	0.9419	0.0353	0.9426	0.0349	37.9253	41.7593	-152.953	0	0.9538	0.0206	41.381	36.7395	0.8966	0.0048	0.3121

STP-0602, SR2000, CAP 3, TN-20307

Time	Exp O2	Exp CO2	Ins O2	Ins CO2	Exp Vol	Ins Vol	Exp Prs Pk	Ins Prs Pk	Exp Prs Av	Ins Prs Av	Exp Time	Ins Time	Exp CO2 Pk
Sec	Frac	Frac	Frac	Frac	Liters	Liters	mmH20	mmH20	mmH20	mmH20	Sec	Sec	Frac
1.0169	NaN	NaN	NaN	NaN	1.4932	1.5091	11.3948	-11.0079	3.524	-6.2315	3.4537	1.3481	0.0079
2.0175	0.5481	0.0192	0.6253	0.0055	1.6614	1.7161	23.3627	-103.749	16.4467	-73.098	1.8	1.5167	0.0262
3.0181	0.5561	0.031	0.5895	0.0084	1.6523	1.7265	28.1629	-45.0195	19.9918	-31.8421	1.8	1.5167	0.0411
4.0187	0.553	0.0459	0.5851	0.0133	1.6745	1.7014	28.0286	-45.1537	20.3349	-32.0975	1.8	1.5167	0.0617
5.0193	0.5373	0.0537	0.577	0.0159	1.6745	1.7036	27.2354	-46.2683	19.7161	-33.0301	1.8	1.5167	0.0729
6.0034	0.5384	0.0536	0.5823	0.0156	1.6745	1.7033	27.0401	-46.5693	19.9055	-33.4066	1.8	1.5167	0.0722
7.0042	0.5545	0.0524	0.6004	0.0147	1.6697	1.7083	28.4354	-47.029	21.1378	-33.1305	1.8	1.5167	0.0708
8.0049	0.5798	0.0513	0.6242	0.0142	1.6697	1.7079	29.4239	-47.269	22.2876	-32.9991	1.8	1.5167	0.0686
9.0056	0.6073	0.0497	0.6499	0.0135	1.6697	1.7083	31.3562	-47.7979	23.3525	-33.4465	1.8	1.5167	0.0648
10.007	0.6336	0.0494	0.6753	0.0139	1.6722	1.7059	32.4505	-48.2779	24.4661	-33.4975	1.8	1.5167	0.0665
11.007	0.6643	0.0486	0.7054	0.0139	1.6673	1.7094	33.7482	-48.8637	24.9251	-33.8539	1.8	1.5167	0.0644
12.008	0.7037	0.0479	0.7437	0.0138	1.6704	1.707	33.9475	-48.945	25.8767	-33.7523	1.8	1.5167	0.0632
13.008	0.7432	0.0484	0.7824	0.0141	1.6712	1.7063	37.511	-49.6366	28.6718	-32.1578	1.8	1.5167	0.0638
14.009	0.7795	0.048	0.8182	0.0131	1.672	1.7052	38.8982	-48.8759	30.6062	-31.6255	1.8	1.5167	0.0632
15.009	0.8105	0.0474	0.8487	0.0123	1.6748	1.7021	38.9389	-49.4372	30.6697	-32.1056	1.8	1.5167	0.062
16.01	0.8365	0.0462	0.8734	0.0119	1.6728	1.7059	39.606	-50.2346	31.0047	-32.5656	1.8	1.5167	0.0606
17.011	0.8566	0.0467	0.8937	0.0121	1.6734	1.7044	39.907	-50.4583	31.4315	-32.9204	1.8	1.5167	0.0627
18.011	0.8747	0.0461	0.9111	0.0115	1.6748	1.7028	40.7125	-50.6902	31.7249	-33.2062	1.8	1.5167	0.0596
19.012	0.8874	0.0471	0.9243	0.0119	1.6748	1.7025	41.0135	-51.5689	31.9773	-33.6148	1.8	1.5167	0.0629
20.012	0.8995	0.0464	0.9355	0.0116	1.674	1.7045	41.1884	-52.1994	32.212	-34.059	1.8	1.5167	0.0614
21.013	0.9101	0.0451	0.945	0.0111	1.6748	1.7047	41.4691	-51.817	32.478	-34.4757	1.8	1.5167	0.0594
22.014	0.9174	0.0458	0.9528	0.0112	1.6748	1.7035	42.0346	-52.8299	32.7541	-34.9816	1.8	1.5167	0.0607
23.015	0.9227	0.0455	0.9577	0.0112	1.6748	1.7017	42.478	-53.436	33.1284	-35.4962	1.8	1.5167	0.0611
24.017	0.9283	0.0451	0.9627	0.0112	1.6748	1.7029	43.0353	-54.4449	33.5096	-36.3537	1.8	1.5167	0.0625
25.017	0.9324	0.0452	0.9671	0.0107	1.6745	1.7042	43.316	-55.8565	33.9329	-37.0411	1.8	1.5167	0.0601
26.019	0.9366	0.0447	0.9708	0.0103	1.6748	1.7012	43.8407	-56.7189	34.2298	-37.7801	1.8	1.5167	0.0591
27.02	0.9387	0.0449	0.973	0.0104	1.6748	1.7001	43.9465	-57.744	34.6671	-38.4166	1.8	1.5167	0.0605
28.021	0.9416	0.0442	0.9752	0.0101	1.6748	1.7014	44.4957	-58.6227	34.7618	-39.2417	1.8	1.5167	0.0588
29.005	0.9431	0.0446	0.9764	0.0104	1.6748	1.7028	44.7357	-59.6153	34.9803	-39.9628	1.8	1.5167	0.0595
30.006	0.9444	0.0441	0.9774	0.0104	1.6748	1.7041	45.0448	-60.201	35.3222	-40.5247	1.8	1.5167	0.0592
31.007	0.9448	0.0447	0.9782	0.0108	1.6748	1.7033	45.411	-60.5753	35.5074	-40.9408	1.8	1.5167	0.0606
32.008	0.9457	0.0452	0.9794	0.0108	1.6748	1.7021	45.4964	-61.0879	35.7503	-41.1496	1.8	1.5167	0.0605
33.009	0.9458	0.0454	0.9794	0.011	1.6748	1.7022	46.0822	-60.8885	35.9256	-41.3518	1.8	1.5167	0.0609
34.01	0.9475	0.0447	0.9804	0.011	1.6748	1.7035	46.2327	-61.7591	36.1112	-41.6873	1.8	1.5167	0.06
35.011	0.9474	0.0454	0.981	0.011	1.6748	1.7028	46.5012	-61.8119	36.3118	-41.9207	1.8	1.5167	0.0601
36.013	0.947	0.0457	0.9806	0.0115	1.6748	1.7023	46.6476	-62.2472	36.4549	-42.2248	1.8	1.5167	0.0625
37.014	0.9481	0.0453	0.9816	0.0109	1.6748	1.7043	46.8266	-63.0323	36.6144	-42.6457	1.8	1.5167	0.0585
38.015	0.9482	0.0451	0.9811	0.0111	1.6748	1.7051	47.2782	-63.4269	36.7656	-43.0149	1.8	1.5167	0.0598
39.015	0.9468	0.0458	0.9799	0.0117	1.6748	1.7045	47.1032	-63.6588	37.0213	-43.2908	1.8	1.5167	0.0622
40.017	0.9484	0.0446	0.9807	0.0111	1.6748	1.7034	47.7622	-63.8174	37.1666	-43.4674	1.8	1.5167	0.0589
41.018	0.9471	0.0459	0.9803	0.0118	1.6748	1.7026	47.6361	-64.4846	37.3098	-43.9083	1.8	1.5167	0.0614
42.019	0.9481	0.0451	0.9805	0.0116	1.6748	1.7038	48.3887	-65.4731	37.448	-44.5683	1.8	1.5167	0.0604
43.02	0.9461	0.0462	0.9793	0.012	1.6748	1.7021	48.1161	-65.9979	37.5502	-44.8422	1.8	1.5167	0.0617
44.021	0.9458	0.0465	0.9791	0.0121	1.6748	1.7016	48.7833	-65.7904	37.7445	-45.1042	1.8	1.5167	0.0617
45.006	0.9471	0.0451	0.9792	0.0117	1.6748	1.7025	49.1819	-66.3762	37.931	-45.3951	1.8	1.5167	0.0597
46.007	0.9452	0.0466	0.9785	0.0121	1.6748	1.7036	48.9338	-66.6691	38.0782	-45.6507	1.8	1.5167	0.0615
47.008	0.9459	0.0455	0.9783	0.0121	1.6748	1.7027	49.2999	-66.6365	38.1957	-45.7444	1.8	1.5167	0.0611
48.008	0.9452	0.0459	0.9778	0.0121	1.6748	1.7032	49.243	-67.0962	38.3212	-45.9059	1.8	1.5167	0.0606
49.009	0.9452	0.0456	0.9773	0.0123	1.6748	1.7029	49.5277	-67.2955	38.408	-46.0871	1.8	1.5167	0.0613
50.01	0.9446	0.0457	0.9769	0.0123	1.6748	1.7023	49.3731	-67.4176	38.5126	-46.2214	1.8	1.5167	0.0614
51.011	0.9433	0.0466	0.9761	0.0126	1.6748	1.7019	49.8206	-67.7186	38.5344	-46.5202	1.8	1.5167	0.0615
52.012	0.9436	0.0461	0.9759	0.0125	1.6748	1.7025	50.1786	-68.4183	38.6289	-46.8109	1.8	1.5167	0.0616
53.013	0.9436	0.0455	0.9755	0.0124	1.6748	1.7038	49.7515	-68.4997	38.7705	-47.0469	1.8	1.5167	0.0608
54.014	0.9419	0.0466	0.9744	0.013	1.6748	1.701	49.7677	-68.9309	38.8362	-47.157	1.8	1.5167	0.0626
55.015	0.942	0.0461	0.9739	0.0127	1.6748	1.7021	50.3739	-69.2197	38.9927	-47.2973	1.8	1.5167	0.0608
56.016	0.9413	0.0462	0.9733	0.0131	1.6748	1.7048	51.0451	-69.5004	39.1406	-47.7403	1.8	1.5167	0.0623
57.017	0.9395	0.0464	0.9709	0.0132	1.6748	1.7044	50.1054	-69.895	39.138	-48.1538	1.8	1.5167	0.0615
58.018	0.938	0.0457	0.9711	0.013	1.6748	1.7023	51.1508	-70.4848	39.4576	-48.3378	1.8	1.5167	0.0614
59.02	0.9425	0.0463	0.974	0.0133	1.6748	1.7028	51.2566	-71.7133	39.552	-48.6661	1.8	1.5167	0.062
60.021	0.9432	0.0472	0.9758	0.0132	1.6748	1.7036	51.7732	-71.7215	39.7971	-49.0186	1.8	1.5167	0.0617
61.022	0.9427	0.0465	0.9744	0.0134	1.6748	1.7023	51.8831	-72.0184	39.9876	-49.3004	1.8	1.5167	0.0625
62.006	0.9401	0.0474	0.9721	0.0139	1.6748	1.7025	52.5868	-73.0558	40.1976	-49.6138	1.8	1.5167	0.0631
63.007	0.9386	0.0474	0.971	0.014	1.6748	1.7037	52.839	-72.9337	40.2857	-49.8571	1.8	1.5167	0.0633
64.009	0.9403	0.0475	0.9722	0.014	1.6748	1.7028	52.7943	-73.9222	40.41	-50.044	1.8	1.5167	0.0631
65.009	0.9386	0.0472	0.9707	0.0143	1.6748	1.7023	52.9163	-74.8091	40.6829	-50.2615	1.8	1.5167	0.0637
66.011	0.9388	0.0479	0.9706	0.0144	1.6748	1.7038	53.0424	-74.3656	40.7631	-50.5335	1.8	1.5167	0.0639
67.012	0.94	0.048	0.972	0.0147	1.6748	1.7034	53.6038	-75.3786	40.6916	-51.2185	1.8	1.5167	0.0653
68.013	0.9386	0.0482	0.9709	0.0144	1.6748	1.7014	53.4207	-76.4362	40.1803	-52.382	1.8	1.5167	0.0646
69.014	0.9367	0.0475	0.9681	0.0146	1.6748	1.7013	52.9122	-77.3963	39.4479	-53.7739	1.8	1.5167	0.0642
70.015	0.9363	0.0478	0.9688	0.0142	1.6748	1.7015	52.7292	-77.978	38.7542	-54.8545	1.8	1.5167	0.0633
71.015	0.9381	0.0479	0.9708	0.0141	1.6748	1.7037	51.8302	-78.4377	38.1889	-56.1662	1.8	1.5167	0.0638
72.016	0.9386	0.0471	0.9705	0.0137	1.6748	1.7021	51.1996	-80.9557	37.7663	-57.5517	1.8	1.5167	0.0625
73.017	0.9373	0.0471	0.9694	0.0137	1.6748	1.7021	51.4478	-82.9978	37.8722	-59.1747	1.8	1.5167	0.0624
74.019	0.9347	0.0479	0.967	0.0143	1.6748	1.703	52.6438	-85.5972	38.6549	-61.3991	1.8	1.5167	0.0645
75.021	0.9368	0.0479	0.9687	0.0139	1.6748	1.7036	56.0161	-90.434	41.0541	-64.6237	1.8	1.5167	0.0632
76.022	0.9376	0.0468	0.9679	0.014	1.6748	1.7039	61.2841	-98.4886	44.3316	-70.6363	1.8	1.5167	0.0625
77.023	0.9362	0.0481	0.9658	0.0147	1.6748	1.7023	71.7387	-111.327	50.9195	-80.3571	1.8	1.5167	0.0642
				0.01257									0.061587

Ins CO2Mi	VO2 Stpd	VCO2 Stpc	VE Stpd	RR	Spare	InsWB EndT	InsDB EndT	ExpDB EndT	ExpWB EndT	ExpDB End	Time (min)	ExpH2OVa	InsH2OVap
Frac	L/M	L/M	L/M	/min		Degree C	Degree C	Degree C	Degree C	Degree C	Min	Ml/min	Ml/min
0.0051	0.5	0.5	27.0184	16.4801	0	21.2598	24.4599	24.5098	21.309299	24.5098	1.0169	708.9799	712.3578
0.0006	1.35	1.15	30.0557	18.0905	0	23.5163	26.507	29.868	28.2143	29.868	2.0175	986.9675	982.1402
0	1.35	1.15	29.8905	18.0905	0	22.831301	26.671801	31.6922	31.605	31.6922	3.0181	1140.06	1096.839
0	1.35	1.15	30.2934	18.0905	0	21.803301	27.8269	31.5746	31.4914	31.5746	4.0187	1113.661	1057.192
0.0001	1.35	1.15	30.2932	18.0905	0	21.2609	28.83	31.517401	31.367201	31.5174	5.0193	1084.336	1009.684
0.0001	1.35	1.15	30.2932	18.0905	0	21.806999	29.695999	31.747101	31.588699	31.7471	6.0034	1098.198	1010.454
0.0002	1.35	1.15	30.2049	18.0905	0	21.797501	30.371799	31.8176	31.553499	31.8176	7.0042	1074.214	979.763
0.0002	1.35	1.15	30.2054	18.0905	0	21.630199	31.0009	31.8437	31.453501	31.8437	8.0049	1047.151	949.3241
0.0002	1.35	1.15	30.2059	18.0905	0	21.717501	31.724899	32.103298	31.6224	32.1033	9.0056	1040.346	939.5355
0.0003	1.35	1.15	30.2507	18.0905	0	21.9401	32.337399	32.2337	31.659201	32.2337	10.0065	1036.688	934.8108
0.0004	1.35	1.15	30.1626	18.0905	0	22.1411	32.9533	32.351299	31.680799	32.3513	11.0072	1029.592	928.0612
0.0004	1.35	1.15	30.2177	18.0905	0	22.2915	33.5602	32.576	31.755501	32.576	12.0078	1031.415	926.2264
0.0005	1.35	1.15	30.2329	18.0905	0	22.195801	34.033501	32.650902	31.751801	32.6509	13.0083	1018.932	913.5753
0.0004	1.35	1.15	30.2477	18.0905	0	21.885401	34.436298	32.7225	31.668699	32.7225	14.0089	994.0187	880.0178
0.0004	1.35	1.15	30.2972	18.0905	0	21.6213	34.860699	32.8423	31.6187	32.8423	15.0094	977.2537	860.8415
0.0003	1.35	1.15	30.2611	18.0905	0	21.5355	35.267899	32.943802	31.575001	32.9438	16.01	961.8431	847.5459
0.0003	1.35	1.15	30.2733	18.0905	0	21.618601	35.601299	33.028702	31.603399	33.0287	17.0105	960.0828	848.7695
0.0003	1.35	1.15	30.2977	18.0905	0	21.807501	36.0341	33.322201	31.804399	33.3222	18.0112	969.5918	859.0911
0.0003	1.35	1.15	30.2977	18.0905	0	22.0037	36.376999	33.496399	32.002201	33.4964	19.0117	981.4262	870.5959
0.0002	1.35	1.15	30.2832	18.0905	0	22.1595	36.745899	33.663399	32.162201	33.6634	20.0124	989.2891	878.5108
0.0002	1.35	1.15	30.2979	18.0905	0	22.3326	37.036098	33.780998	32.228401	33.781	21.0132	995.8439	884.6123
0.0002	1.35	1.15	30.2979	18.0905	0	22.5546	37.388901	33.898701	32.263699	33.8987	22.0143	999.3542	894.4291
0.0002	1.35	1.15	30.2979	18.0905	0	22.775999	37.747898	34.071201	32.355801	34.0712	23.0153	1003.309	905.1622
0.0001	1.35	1.15	30.2979	18.0905	0	23.053801	38.124001	34.150002	32.375801	34.15	24.0165	1009.718	916.1331
0.0001	1.35	1.15	30.2924	18.0905	0	23.4258	38.600601	34.255402	32.392601	34.2554	25.0174	1016.362	931.6935
0	1.35	1.15	30.298	18.0905	0	23.811899	39.108799	34.433498	32.466801	34.4335	26.0186	1025.921	949.9978
0	1.35	1.15	30.298	18.0905	0	24.2775	39.668598	34.605499	32.4757	34.6055	27.0196	1036.72	970.9578
0	1.35	1.15	30.298	18.0905	0	24.7416	40.2817	34.7314	32.511501	34.7314	28.0207	1046.207	987.6878
-0.0001	1.35	1.15	30.298	18.0905	0	25.2661	40.789902	34.887901	32.510399	34.8879	29.005	1056.584	1008.174
0	1.35	1.15	30.298	18.0905	0	25.7453	41.355202	35.024899	32.548302	35.0249	30.0061	1070.902	1028.742
0	1.35	1.15	30.298	18.0905	0	26.246201	41.869499	35.193001	32.641399	35.193	31.0071	1085.923	1052.408
0	1.35	1.15	30.298	18.0905	0	27.6756	42.377201	35.437099	33.024399	35.4371	32.0079	1148.374	1130.271
0	1.35	1.15	30.298	18.0905	0	37.5378	42.892601	35.690701	35.124599	35.6907	33.0088	1742.287	1739.047
0	1.35	1.15	30.298	18.0905	0	39.084599	43.263699	35.839401	35.795898	35.8394	34.0098	1901.191	1871.206
-0.0001	1.35	1.15	30.298	18.0905	0	39.407101	43.646599	36.021301	35.915901	36.0213	35.0108	1926.229	1897.938
0	1.35	1.15	30.298	18.0905	0	39.680599	43.933899	36.147301	36.031101	36.1473	36.0128	1944.386	1919.859
0	1.35	1.15	30.298	18.0905	0	39.939499	44.253502	36.275398	36.119999	36.2754	37.0137	1961.959	1940.439
0	1.35	1.15	30.298	18.0905	0	40.204102	44.5326	36.389198	36.2342	36.3892	38.0145	1980.799	1962.029
0	1.35	1.15	30.298	18.0905	0	40.4529	44.838799	36.5051	36.339901	36.5051	39.0153	1999.287	1982.776
0	1.35	1.15	30.298	18.0905	0	40.673901	45.088501	36.630501	36.404598	36.6305	40.0169	2015.016	2001.185
0	1.35	1.15	30.2981	18.0905	0	35.458698	45.1623	36.682098	34.446499	36.6821	41.018	1613.554	1608.686
0	1.35	1.15	30.298	18.0905	0	29.189699	45.2388	36.647202	32.9776	36.6472	42.019	1184.356	1173.221
0	1.35	1.15	30.2981	18.0905	0	29.4065	45.271599	36.703701	33.073399	36.7037	43.0202	1193.642	1193.155
0	1.35	1.15	30.2981	18.0905	0	29.6506	45.531799	36.748699	33.105999	36.7487	44.0212	1202.622	1207.959
0	1.35	1.15	30.298	18.0905	0	29.857901	45.728699	36.813599	33.135399	36.8136	45.0056	1210.239	1219.379
0	1.35	1.15	30.2981	18.0905	0	30.1735	45.865799	36.8946	33.2407	36.8946	46.0067	1224.846	1240.808
0	1.35	1.15	30.298	18.0905	0	30.3661	45.935699	37.008301	33.4216	37.0083	47.0076	1244.391	1261.506
0	1.35	1.15	30.2981	18.0905	0	30.6423	46.0611	37.122101	33.685699	37.1221	48.0084	1271.28	1291.788
0	1.35	1.15	30.2981	18.0905	0	30.9779	46.1432	37.254101	33.8741	37.2541	49.0092	1297.652	1321.01
0.0001	1.35	1.15	30.2981	18.0905	0	31.3451	46.283001	37.331799	34.063999	37.3318	50.0102	1324.943	1352.434
0	1.35	1.15	30.2981	18.0905	0	31.693399	46.337299	37.423302	34.132401	37.4233	51.0112	1341.743	1372.204
0	1.35	1.15	30.2981	18.0905	0	31.9328	46.367298	37.4683	34.132401	37.4683	52.0121	1357.612	1387.605
0.0001	1.35	1.15	30.2981	18.0905	0	32.2174	46.467701	37.517601	34.1366	37.5176	53.0129	1370.872	1406.013
0.0001	1.35	1.15	30.2981	18.0905	0	32.4268	46.395	37.464401	34.128201	37.4644	54.0144	1380.328	1423.353
0.0001	1.35	1.15	30.2981	18.0905	0	32.614601	46.222	37.367298	34.076599	37.3673	55.0152	1389.445	1437.099
0.0001	1.35	1.15	30.2981	18.0905	0	32.844002	46.062698	37.299599	34.0998	37.2996	56.0164	1404.81	1457.554
0	1.35	1.15	30.2981	18.0905	0	33.1297	46.023899	37.224701	34.1124	37.2247	57.0174	1419.513	1481.662
0.0001	1.35	1.15	30.2981	18.0905	0	33.366901	45.937901	37.121498	34.070301	37.1215	58.0183	1431.491	1499.964
0	1.35	1.15	30.2981	18.0905	0	33.6721	45.942299	37.048302	34.0261	37.0483	59.0198	1444.838	1519.448
0	1.35	1.15	30.2981	18.0905	0	33.945099	45.942299	37.044399	34.053001	37.0444	60.0208	1459.755	1544.017
0	1.35	1.15	30.2981	18.0905	0	34.215	45.8974	36.9795	34.0103	36.9795	61.0216	1472.467	1561.359
0	1.35	1.15	30.2981	18.0905	0	34.5033	45.863602	36.937302	33.9888	36.9373	62.006	1483.89	1584.77
0.0001	1.35	1.15	30.2981	18.0905	0	34.8358	45.876301	36.968399	34.115002	36.9684	63.0069	1508.477	1616.551
0	1.35	1.15	30.2981	18.0905	0	35.176701	45.8713	37.089298	34.346001	37.0893	64.0086	1542.294	1654.947
0.0001	1.35	1.15	30.2981	18.0905	0	35.540798	46.069401	37.279099	34.595901	37.2791	65.0095	1573.328	1689.752
0.0001	1.35	1.15	30.2981	18.0905	0	35.979	46.317402	37.466	34.8353	37.466	66.0106	1606.301	1731.492
0.0001	1.35	1.15	30.2981	18.0905	0	36.2421	46.4123	37.659698	35.008301	37.6597	67.0118	1628.563	1759.803
0	1.35	1.15	30.2981	18.0905	0	36.469299	46.584202	37.757301	35.123001	37.7573	68.0127	1643.59	1781.118
0.0001	1.35	1.15	30.2981	18.0905	0	36.6003	46.676899	37.874901	35.217201	37.8749	69.0136	1656.124	1792.723
0.0001	1.35	1.15	30.2981	18.0905	0	36.653999	46.903198	37.987598	35.270302	37.9876	70.0146	1659.229	1797.228
0.0001	1.35	1.15	30.2981	18.0905	0	36.837601	47.044201	38.081902	35.3535	38.0819	71.0154	1670.925	1812.432
0	1.35	1.15	30.2981	18.0905	0	37.1632	47.174	38.1712	35.4608	38.1712	72.0163	1691.071	1840.968
0	1.35	1.15	30.2981	18.0905	0	37.582001	47.369301	38.278301	35.5387	38.2783	73.0172	1708.557	1874.836
0	1.35	1.15	30.2981	18.0905	0	38.0923	47.623402	38.406399	35.6618	38.4064	74.019	1732.199	1917.024
0.0001	1.35	1.15	30.2981	18.0905	0	38.513199	47.773201	38.582298	35.779099	38.5823	75.0205	1757.73	1954.339
0.0001	1.35	1.15	30.2981	18.0905	0	38.9067	48.0462	38.7659	35.914799	38.7659	76.022	1782.557	1985.308
0.0001	1.35	1.15	30.2981	18.0905	0	39.278702	48.304699	38.9729	36.046902	38.9729	77.0227	1804.172	2015.717

35.5711474 33.5289133

Avg Exh O2	MouthO2T	Mth CO2T/	MouthO2V	Mth CO2V/	InsWBAvgT	InsDBAvgT	VH2o	ExpCO2Mi	InO2TimAv	InCO2TimA	ExpTpDBAv	ExpTpWBAv	ExpO2Min	N2TransIm	O2TransImb
Frac	Frac	Frac	Frac	Frac	Degree C	Degree C	Ml/min	Frac	Frac	Frac	Degree C	Degree C	Frac	Liters	Liters
0.6567	0.2063	0.0061	NaN	NaN	21.2072	24.3498	-3.3779	0	0.2075	0.0063	25.120001	21.622	0.1988	0.0053	0
0.7414	0.5905	0.0127	0.5867	0.0123	26.5179	28.2296	4.8274	0	0.6282	0.0064	29.023199	26.679899	0.5031	0.4256	0.4835
0.7502	0.5732	0.0201	0.5728	0.0197	28.4066	29.1547	43.22	0	0.5889	0.0098	30.3368	29.139	0.5413	0.2308	0.7508
0.7518	0.5686	0.0303	0.569	0.0296	27.8573	29.4362	56.4694	0	0.5834	0.0155	30.471701	28.7188	0.5375	0.0003	0.7508
0.7541	0.5566	0.0356	0.5571	0.0348	27.3918	29.8003	74.652	0	0.575	0.0183	30.6689	28.441299	0.518	0	0.744
0.7578	0.5597	0.0354	0.5604	0.0346	27.5205	30.308	87.7441	0	0.58	0.018	31.063601	28.6805	0.5189	0.0017	0.7442
0.7602	0.5767	0.0344	0.5775	0.0336	27.2779	30.6678	94.4512	0	0.5978	0.0172	31.2826	28.5	0.5349	0.0054	0.7524
0.7624	0.6011	0.0336	0.602	0.0328	26.9922	30.9936	97.8265	0	0.6214	0.0166	31.5144	28.250999	0.5617	0.0058	0.7644
0.7659	0.6278	0.0322	0.6286	0.0316	26.9816	31.4368	100.8104	0	0.6472	0.0158	31.901899	28.2619	0.591	0.0066	0.7766
0.7686	0.6535	0.0324	0.6545	0.0316	26.9966	31.8017	101.8772	0	0.6726	0.0162	32.201698	28.2712	0.6157	0.0063	0.7882
0.7713	0.6839	0.0319	0.6848	0.0312	27.0341	32.1551	101.5312	0	0.7027	0.0161	32.489899	28.290501	0.6473	0.0042	0.8017
0.7745	0.7228	0.0315	0.7237	0.0308	27.0896	32.5595	105.1882	0	0.741	0.0159	32.846199	28.3696	0.6874	0.0051	0.8176
0.7766	0.7618	0.0319	0.7628	0.0312	26.9996	32.8382	105.3565	0	0.7796	0.0162	33.086601	28.2789	0.7261	0.0048	0.8337
0.7783	0.7978	0.0312	0.7989	0.0305	26.6408	33.0659	114.0009	0	0.8154	0.0154	33.274502	28.0359	0.7624	0.0061	0.8475
0.7805	0.8286	0.0305	0.8296	0.0299	26.4551	33.3395	116.4122	0	0.8459	0.0146	33.517799	27.883301	0.7941	0.0066	0.8593
0.7823	0.8539	0.0298	0.8549	0.0291	26.3611	33.5735	114.2973	0	0.8707	0.0142	33.717602	27.7666	0.8192	0.0035	0.8685
0.7839	0.8741	0.0302	0.8752	0.0294	26.4248	33.7811	111.3133	0	0.891	0.0145	33.902199	27.7848	0.8375	0.0078	0.8756
0.7866	0.892	0.0295	0.8929	0.0288	26.628	34.1139	110.5007	0	0.9086	0.0138	34.227699	27.959499	0.8579	0.0028	0.8816
0.7889	0.9049	0.0303	0.9059	0.0295	26.8403	34.4023	110.8303	0	0.9218	0.0143	34.501598	28.1556	0.8684	0.0076	0.8865
0.7907	0.9166	0.0298	0.9175	0.029	26.9961	34.6266	110.7783	0	0.9331	0.014	34.7048	28.294701	0.8807	0.0037	0.89
0.7924	0.9267	0.0289	0.9276	0.0281	27.1172	34.8442	111.2314	0	0.9427	0.0134	34.9118	28.4086	0.8918	0.0034	0.8935
0.7941	0.9342	0.0293	0.9351	0.0285	27.2849	35.0565	104.925	0	0.9504	0.0136	35.100899	28.4895	0.8983	0.0057	0.8959
0.7961	0.9392	0.0292	0.9402	0.0283	27.4717	35.3114	98.1468	0	0.9553	0.0136	35.345798	28.5874	0.9033	0.0075	0.8978
0.7979	0.9444	0.0291	0.9455	0.0282	27.657	35.5568	93.5844	0	0.9602	0.0137	35.546799	28.7017	0.9063	0.0091	0.8993
0.8	0.9488	0.0287	0.9497	0.0279	27.8994	35.8239	84.6681	0	0.9648	0.0131	35.7864	28.828199	0.9131	0.0064	0.9006
0.8025	0.9527	0.0283	0.9537	0.0275	28.1793	36.1529	75.9234	0	0.9685	0.0128	36.0868	28.9942	0.9173	0.0046	0.902
0.8052	0.9549	0.0286	0.9559	0.0277	28.4891	36.4964	65.762	0	0.9707	0.013	36.396599	29.1758	0.9184	0.0054	0.9028
0.8079	0.9574	0.028	0.9584	0.0272	28.7511	36.8549	58.5188	0	0.9729	0.0126	36.7048	29.341499	0.9215	0.006	0.9035
0.8105	0.9588	0.0284	0.9597	0.0275	29.0424	37.1816	48.4099	0	0.9742	0.0129	36.997799	29.511801	0.9226	0.0066	0.9041
0.813	0.96	0.0281	0.9609	0.0272	29.331	37.5143	42.1608	0	0.9752	0.0128	37.283501	29.7195	0.9239	0.007	0.9044
0.8156	0.9605	0.0286	0.9615	0.0277	29.6464	37.8432	33.515	0	0.9759	0.0132	37.603699	29.9391	0.9236	0.0072	0.9045
0.8185	0.9616	0.0288	0.9625	0.028	30.4872	38.2014	18.1021	0	0.9771	0.0132	37.9333	30.618299	0.9249	0.0076	0.9049
0.8213	0.9617	0.029	0.9626	0.0282	35.8181	38.5519	3.2393	0	0.9772	0.0135	38.278702	35.790401	0.925	0.0076	0.9048
0.8234	0.9631	0.0287	0.964	0.0279	36.8779	38.8118	29.9843	0	0.9783	0.0133	38.5093	37.054798	0.927	0.0081	0.9055
0.8255	0.9633	0.029	0.9642	0.0282	37.1145	39.075	28.2903	0	0.9788	0.0134	38.772499	37.277302	0.9272	0.0083	0.9055
0.8272	0.9628	0.0296	0.9638	0.0286	37.3077	39.297	24.5271	0	0.9784	0.014	38.972198	37.438801	0.9251	0.0083	0.9054
0.8289	0.9641	0.0287	0.9648	0.0281	37.4891	39.5139	21.5196	0	0.9795	0.0131	39.155701	37.5928	0.9291	0.0083	0.9056
0.8305	0.9638	0.0289	0.9646	0.0281	37.6747	39.7181	18.7704	0	0.979	0.0134	39.354099	37.757099	0.9277	0.0083	0.9053
0.8321	0.9624	0.0296	0.9634	0.0287	37.8543	39.9316	16.5103	0	0.9778	0.0141	39.538502	37.915798	0.925	0.0083	0.9054
0.8337	0.9638	0.0285	0.9646	0.0279	38.0109	40.1088	13.8305	0	0.9787	0.0134	39.724098	38.054199	0.9286	0.0084	0.9055
0.8341	0.9628	0.0296	0.9637	0.0289	34.8124	40.1895	4.8685	0	0.9782	0.0141	39.7654	34.764999	0.926	0.0084	0.9054
0.8345	0.9635	0.0291	0.9643	0.0284	31.3349	40.3283	11.1347	0	0.9784	0.0139	39.7136	31.3216	0.9269	0.0085	0.9056
0.8349	0.9618	0.0299	0.9627	0.0291	31.5281	40.3592	0.4875	0	0.9772	0.0143	39.7892	31.4237	0.9249	0.0082	0.9053
0.8359	0.9616	0.0301	0.9625	0.0293	31.6916	40.4949	-5.3368	0	0.977	0.0145	39.91	31.530899	0.9247	0.0082	0.9052
0.8368	0.9623	0.0291	0.9631	0.0284	31.819	40.6109	-9.1395	0	0.9771	0.014	40.0229	31.6234	0.9263	0.0082	0.9054
0.8378	0.9611	0.03	0.9619	0.0293	32.0363	40.7229	-15.9624	0	0.9765	0.0143	40.136902	31.780199	0.9248	0.008	0.905
0.8387	0.9613	0.0296	0.9621	0.0288	32.2402	40.8105	-17.115	0	0.9762	0.0144	40.271599	31.985001	0.9243	0.0079	0.9049
0.8396	0.9607	0.0297	0.9615	0.029	32.5302	40.911	-20.5081	0	0.9757	0.0143	40.391399	32.2514	0.9242	0.0079	0.905
0.8405	0.9604	0.0297	0.9612	0.029	32.8076	41.015	-23.3579	0	0.9752	0.0146	40.503502	32.508499	0.9233	0.0079	0.9048
0.8413	0.9599	0.0298	0.9608	0.029	33.098	41.1039	-27.4914	0	0.9748	0.0146	40.592899	32.766602	0.9225	0.0078	0.9048
0.8419	0.9589	0.0303	0.9597	0.0296	33.287	41.206	-30.461	0	0.974	0.0148	40.6623	32.926601	0.9217	0.0075	0.9044
0.8425	0.9589	0.03	0.9597	0.0293	33.4281	41.2581	-29.9934	0	0.9739	0.0148	40.740101	33.078701	0.9215	0.0075	0.9044
0.8429	0.9587	0.0297	0.9595	0.029	33.5916	41.2958	-35.1411	0	0.9735	0.0146	40.8018	33.204601	0.9216	0.0075	0.9044
0.8425	0.9573	0.0305	0.9581	0.0298	33.7278	41.2343	-43.0244	0	0.9723	0.0152	40.750702	33.2771	0.9197	0.0071	0.9038
0.8414	0.9571	0.0301	0.9579	0.0294	33.8214	41.1052	-47.654	0	0.9719	0.0149	40.630402	33.334499	0.9204	0.0071	0.9039
0.8405	0.9564	0.0304	0.9573	0.0297	33.9765	41.01	-52.7437	0	0.9713	0.0153	40.5158	33.446201	0.9186	0.0069	0.9035
0.84	0.9545	0.0305	0.9552	0.0298	34.1662	40.9464	-62.1496	0	0.969	0.0153	40.461399	33.562099	0.9173	0.0065	0.9031
0.8393	0.9538	0.0301	0.9546	0.0294	34.3017	40.853	-68.4731	0	0.9692	0.0152	40.348801	33.644402	0.917	0.0063	0.9029
0.8388	0.9574	0.0305	0.9583	0.0298	34.4531	40.802	-74.6092	0	0.9721	0.0154	40.297699	33.748501	0.9198	0.0069	0.9035
0.8388	0.9588	0.0308	0.9595	0.0302	34.6553	40.8145	-84.2626	0	0.9739	0.0153	40.2938	33.873299	0.9217	0.0077	0.9043
0.8384	0.9577	0.0307	0.9586	0.0299	34.7873	40.7645	-88.8921	0	0.9724	0.0156	40.252201	33.972599	0.9199	0.0073	0.9038
0.8381	0.9553	0.0313	0.9561	0.0306	34.9712	40.7384	-100.879	0	0.9701	0.016	40.212101	34.0611	0.9176	0.0069	0.9035
0.8385	0.954	0.0314	0.9548	0.0307	35.231	40.7814	-108.074	0	0.969	0.0161	40.255001	34.271801	0.9159	0.0063	0.9027
0.8391	0.9555	0.0314	0.9563	0.0307	35.5453	40.8579	-112.653	0	0.9703	0.0161	40.3181	34.559399	0.9177	0.0068	0.9032
0.8405	0.9539	0.0315	0.9547	0.0308	35.8416	41.0227	-116.424	0	0.9688	0.0164	40.490398	34.838902	0.9156	0.0065	0.9029
0.8421	0.954	0.0318	0.9547	0.0312	36.1947	41.2353	-125.19	0	0.9687	0.0165	40.688702	35.134899	0.9162	0.0064	0.9027
0.8437	0.9552	0.032	0.956	0.0313	36.437	41.4146	-131.24	0	0.9701	0.0168	40.8741	35.3409	0.9157	0.0068	0.903
0.8447	0.9539	0.032	0.9548	0.0313	36.616	41.5384	-137.528	0	0.969	0.0166	40.9869	35.477001	0.9154	0.0065	0.9028
0.8458	0.9515	0.0318	0.9524	0.0311	36.7226	41.6698	-136.599	0	0.9661	0.0167	41.149101	35.6007	0.9125	0.0058	0.902
0.8468	0.9518	0.0316	0.9525	0.031	36.7756	41.7988	-137.999	0	0.9669	0.0163	41.261501	35.6427	0.914	0.0058	0.9022
0.8478	0.9537	0.0316	0.9545	0.031	36.9073	41.9249	-141.507	0	0.9689	0.0162	41.380501	35.752201	0.9153	0.0063	0.9026
0.8486	0.9538	0.0311	0.9545	0.0304	37.1332	42.0287	-149.897	0	0.9685	0.0159	41.483002	35.923801	0.9156	0.0063	0.9027
0.8498	0.9526	0.031	0.9534	0.0304	37.4052	42.1969	-166.279	0	0.9675	0.0158	41.608002	36.0774	0.9144	0.0058	0.9022
0.8517	0.95	0.0318	0.9508	0.0311	37.7422	42.4186	-184.825	0	0.965	0.0164	41.821602	36.290401	0.9103	0.0053	0.9016
0.8532	0.952	0.0315	0.9527	0.0309	38.037	42.6174	-196.608	0	0.9669	0.016	41.996201	36.509998	0.9134	0.0057	0.902
0.855	0.952	0.031	0.9527	0.0304	38.2855	42.8256	-202.751	0	0.9662	0.016	42.238201	36.732498	0.9127	0.0059	0.9023
0.8569	0.9503	0.032	0.951	0.0314	38.5244	43.0095	-211.545	0	0.9642	0.0167	42.498798	36.932201	0.9101	0.0054	0.9015
											37.748047	32.159613			

STP-0602. SR2000, CAP 3, TN-20307

Time Sec	Exp O2 Frac	Exp CO2 Frac	Ins O2 Frac	Ins CO2 Frac	Exp Vol Liters	Ins Vol Liters	Exp Prs Pk mmH20	Ins Prs Pk mmH20	Exp Prs Av mmH20	Ins Prs Av mmH20	Exp Time Sec	Ins Time Sec	Exp CO2 Pk Frac
1.017	NaN	NaN	NaN	NaN	1.5123	1.5269	7.0794	-8.0894	3.9179	-4.8403	3.2883	1.365	0.009
2.0176	0.5482	0.019	0.6673	0.0056	1.6632	1.7149	24.7758	-108.966	18.3709	-72.2942	1.8	1.5167	0.0311
3.0181	0.6059	0.0384	0.6409	0.0125	1.6746	1.7026	29.4742	-46.877	21.8726	-32.9472	1.8	1.5167	0.0612
4.0186	0.5916	0.0469	0.6292	0.0157	1.6746	1.7037	29.8648	-47.9306	22.1241	-33.8425	1.8	1.5167	0.0736
5.0192	0.5906	0.0493	0.6306	0.0165	1.6746	1.7036	30.7516	-49.0086	22.493	-34.4803	1.8	1.5167	0.0777
6.0197	0.6042	0.0498	0.646	0.0166	1.6746	1.7025	30.9672	-49.0046	23.6346	-34.3365	1.8	1.5167	0.0776
7.0204	0.6301	0.0477	0.669	0.0158	1.6697	1.7085	32.574	-50.1721	24.4571	-35.4698	1.8	1.5167	0.0755
8.0209	0.6558	0.0485	0.6942	0.0163	1.6698	1.7079	33.3795	-51.7098	25.1265	-36.0739	1.8	1.5167	0.078
9.0218	0.684	0.0486	0.7212	0.0166	1.6698	1.7079	33.1191	-52.5966	25.3736	-36.3494	1.8	1.5167	0.0777
10.023	0.7171	0.0485	0.7539	0.0164	1.6704	1.7055	35.2466	-52.3688	26.8269	-36.1642	1.8	1.5167	0.0757
11.024	0.7511	0.0493	0.7874	0.0175	1.6713	1.7056	37.1789	-52.6006	29.3917	-35.2406	1.8	1.5167	0.078
12.024	0.7845	0.0481	0.8204	0.0159	1.6721	1.7083	39.4814	-53.7926	31.3335	-34.7044	1.8	1.5167	0.0761
13.009	0.8136	0.0468	0.849	0.0151	1.6738	1.7042	39.4366	-53.4061	31.492	-35.0932	1.8	1.5167	0.0759
14.009	0.8372	0.0467	0.8724	0.015	1.6738	1.7021	40.1282	-54.5126	31.8027	-35.5462	1.8	1.5167	0.075
15.011	0.8578	0.0459	0.8922	0.0149	1.6734	1.7026	40.1282	-55.0333	31.9974	-35.9788	1.8	1.5167	0.0751
16.012	0.874	0.0468	0.9089	0.0149	1.6748	1.7017	41.137	-56.0381	32.3645	-36.5301	1.8	1.5167	0.0753
17.013	0.8871	0.0468	0.9222	0.0148	1.6748	1.7008	41.5845	-56.0096	32.747	-36.9557	1.8	1.5167	0.0753
18.014	0.898	0.0462	0.9322	0.0149	1.674	1.7036	42.3778	-57.4822	33.185	-37.6572	1.8	1.5167	0.0761
19.015	0.9071	0.0459	0.9412	0.0145	1.6748	1.7046	42.4388	-57.5513	33.6011	-38.3829	1.8	1.5167	0.0755
20.016	0.914	0.0455	0.9477	0.0144	1.6748	1.7029	43.35	-58.5195	34.0234	-38.9584	1.8	1.5167	0.0748
21.017	0.9197	0.0452	0.953	0.0141	1.6748	1.7018	44.2937	-59.3372	34.5279	-39.7192	1.8	1.5167	0.0741
22.018	0.9244	0.0449	0.9574	0.014	1.6748	1.7052	44.2653	-60.7447	34.9226	-40.7075	1.8	1.5167	0.0742
23.019	0.9281	0.0447	0.9605	0.0138	1.6748	1.7018	45.4857	-62.0342	35.5541	-41.4162	1.8	1.5167	0.0729
24.02	0.9304	0.0454	0.9636	0.0139	1.6745	1.701	45.8965	-63.039	36.3337	-42.3856	1.8	1.5167	0.074
25.021	0.9327	0.0451	0.9653	0.0139	1.6748	1.7032	46.5637	-64.5889	36.6733	-43.4558	1.8	1.5167	0.0738
26.022	0.934	0.0454	0.9664	0.0143	1.6748	1.704	47.2715	-65.5489	37.1492	-44.1336	1.8	1.5167	0.0741
27.023	0.9352	0.0458	0.968	0.0143	1.6748	1.7025	47.6539	-66.3706	37.5409	-44.7258	1.8	1.5167	0.0748
28.024	0.9361	0.046	0.9689	0.0145	1.6748	1.7018	48.7197	-67.0541	37.9863	-45.258	1.8	1.5167	0.0751
29.025	0.9378	0.0452	0.9699	0.0146	1.6748	1.7027	49.0532	-67.8351	38.4381	-45.7719	1.8	1.5167	0.0759
30.01	0.9384	0.0457	0.9707	0.0145	1.6748	1.7039	49.1671	-68.4616	38.6953	-46.3502	1.8	1.5167	0.0751
31.011	0.938	0.0461	0.9705	0.0146	1.6748	1.7024	49.3461	-68.8968	38.9886	-46.7794	1.8	1.5167	0.0748
32.012	0.9384	0.0459	0.9705	0.0148	1.6748	1.7023	49.9034	-69.2589	39.2729	-47.1533	1.8	1.5167	0.0738
33.012	0.9385	0.0458	0.9705	0.0147	1.6748	1.7043	50.2736	-69.5396	39.5128	-47.5214	1.8	1.5167	0.0733
34.013	0.9389	0.0456	0.9705	0.015	1.6748	1.7016	50.2899	-70.4955	39.7287	-47.6816	1.8	1.5167	0.075
35.013	0.9375	0.0467	0.9701	0.0152	1.6748	1.7028	51.4004	-70.7884	39.9208	-48.0741	1.8	1.5167	0.0752
36.014	0.9386	0.0459	0.9702	0.0155	1.6748	1.7057	51.4045	-71.1912	40.0186	-48.4901	1.8	1.5167	0.0768
37.014	0.9384	0.046	0.9701	0.0151	1.6748	1.7039	51.1686	-71.48	40.1591	-48.563	1.8	1.5167	0.0731
38.015	0.9385	0.0462	0.9704	0.015	1.6748	1.7004	51.4574	-71.6224	40.3087	-48.631	1.8	1.5167	0.073
39.015	0.9371	0.0467	0.9693	0.0155	1.6748	1.7008	51.5103	-72.3261	40.4605	-48.8438	1.8	1.5167	0.0759
40.016	0.9375	0.0463	0.9691	0.0159	1.6748	1.7047	51.6893	-72.3261	40.6035	-49.0013	1.8	1.5167	0.0764
41.017	0.9372	0.0461	0.9685	0.0158	1.6748	1.7027	51.9415	-72.1309	40.6083	-48.9886	1.8	1.5167	0.0758
42.017	0.9364	0.047	0.9684	0.0158	1.6748	1.7013	52.0147	-72.6027	40.7769	-49.1618	1.8	1.5167	0.0739
43.018	0.936	0.0469	0.9677	0.0161	1.6748	1.7026	52.4052	-72.7777	40.9306	-49.31	1.8	1.5167	0.0762
44.019	0.9361	0.0466	0.9678	0.0161	1.6748	1.7033	52.2425	-73.1723	41.0141	-49.6409	1.8	1.5167	0.0766
45.019	0.9348	0.0468	0.9665	0.0162	1.6748	1.7032	53.0032	-73.9492	41.1871	-49.9073	1.8	1.5167	0.0757
46.02	0.9347	0.0469	0.9665	0.0163	1.6748	1.7028	52.9056	-73.8841	41.3316	-50.1075	1.8	1.5167	0.076
47.021	0.9345	0.0463	0.9656	0.0162	1.6748	1.7034	53.2473	-74.0753	41.514	-50.4356	1.8	1.5167	0.0745
48.021	0.9335	0.0466	0.9648	0.0163	1.6748	1.7011	53.0927	-74.4414	41.7016	-50.6453	1.8	1.5167	0.0744
49.022	0.9327	0.0467	0.9636	0.0167	1.6748	1.7008	54.1422	-74.9296	41.9412	-50.8669	1.8	1.5167	0.0747
50.023	0.931	0.0467	0.9616	0.0169	1.6748	1.703	54.2358	-75.2347	42.0878	-51.2887	1.8	1.5167	0.0764
51.023	0.9318	0.0463	0.9616	0.0168	1.6748	1.7025	53.9348	-76.032	42.2642	-51.6191	1.8	1.5167	0.0743
52.024	0.9349	0.0473	0.9658	0.0166	1.6748	1.7028	55.2569	-76.5649	42.5069	-51.9073	1.8	1.5167	0.0746
53.025	0.9361	0.0479	0.9681	0.0167	1.6748	1.7033	55.2406	-77.3175	42.763	-52.2303	1.8	1.5167	0.0752
54.025	0.9364	0.048	0.9682	0.0171	1.6748	1.7034	55.086	-77.35	42.9134	-52.4482	1.8	1.5167	0.0776
55.026	0.9361	0.0482	0.968	0.0175	1.6748	1.7037	55.2853	-77.7446	43.0511	-52.6014	1.8	1.5167	0.0777
56.027	0.9364	0.0478	0.9677	0.0171	1.6748	1.7015	55.4969	-78.1433	43.199	-52.8585	1.8	1.5167	0.0759
57.011	0.935	0.048	0.967	0.0174	1.6748	1.7015	55.566	-78.5297	43.494	-53.2209	1.8	1.5167	0.0772
58.011	0.9354	0.0489	0.9675	0.0177	1.6748	1.7048	56.0013	-79.3189	43.6252	-53.7174	1.8	1.5167	0.077
59.012	0.9346	0.0482	0.9658	0.018	1.6748	1.7031	56.8271	-79.9006	43.8154	-53.9296	1.8	1.5167	0.0772
60.013	0.935	0.0489	0.9665	0.0179	1.6748	1.7011	56.8678	-80.3603	44.0322	-54.14	1.8	1.5167	0.0778
61.014	0.9358	0.0488	0.9675	0.0176	1.6748	1.7018	56.941	-80.3969	44.1208	-54.4376	1.8	1.5167	0.0768
62.015	0.9352	0.0481	0.9663	0.0178	1.6748	1.7035	57.124	-80.8119	44.2279	-54.6854	1.8	1.5167	0.076
63.016	0.9339	0.0486	0.9652	0.018	1.6748	1.7027	57.36	-81.3529	44.281	-54.8985	1.8	1.5167	0.0778
64.019	0.9324	0.0488	0.9636	0.0181	1.6748	1.7027	57.124	-81.9102	44.3723	-55.0874	1.8	1.5167	0.0759
65.02	0.9335	0.0483	0.9641	0.0183	1.6748	1.7028	57.5308	-83.1428	44.6407	-55.3593	1.8	1.5167	0.0771
66.021	0.932	0.0487	0.9625	0.0188	1.6748	1.7027	57.9336	-83.0208	44.6924	-55.6671	1.8	1.5167	0.0784
67.022	0.9292	0.0491	0.9598	0.0189	1.6748	1.7034	58.1776	-83.635	44.345	-56.4943	1.8	1.5167	0.0784
68.023	0.9293	0.0484	0.9605	0.0184	1.6748	1.703	57.7342	-84.4649	43.3428	-58.2837	1.8	1.5167	0.0768
69.024	0.9295	0.0484	0.9605	0.0183	1.6748	1.7018	57.3641	-85.5144	42.6495	-59.2891	1.8	1.5167	0.0771
70.025	0.9287	0.0489	0.9613	0.0182	1.6748	1.7029	57.2542	-86.1043	42.1337	-60.0994	1.8	1.5167	0.0775
71.027	0.9298	0.0494	0.9618	0.0182	1.6748	1.7028	55.8426	-87.5891	41.7839	-60.9608	1.8	1.5167	0.078
72.011	0.9288	0.049	0.9602	0.0182	1.6748	1.7032	56.1477	-88.4637	41.6121	-62.2561	1.8	1.5167	0.0774
73.012	0.9258	0.0482	0.9572	0.0181	1.6748	1.7011	56.103	-89.9851	41.5338	-63.4711	1.8	1.5167	0.0771
74.013	0.9269	0.0491	0.9584	0.0183	1.6748	1.7005	57.3681	-92.137	42.3329	-64.9221	1.8	1.5167	0.0789
75.014	0.9254	0.0491	0.9567	0.018	1.6748	1.7032	59.5567	-95.4931	43.7045	-67.54	1.8	1.5167	0.0769
76.015	0.9249	0.0492	0.9556	0.0184	1.6748	1.7044	62.9249	-100.501	45.7028	-71.1105	1.8	1.5167	0.0779
77.016	0.9241	0.049	0.9544	0.0182	1.6748	1.7053	67.3224	-105.224	48.4556	-75.465	1.8	1.5167	0.0776
78.017	0.9224	0.0483	0.9501	0.0184	1.6748	1.7032	74.8969	-116.777	53.3984	-83.8857	1.8	1.5167	0.076
79.018	0.9215	0.0501	0.9447	0.0197	1.6748	1.7002	107.176	-155.227	69.8791	-112.38	1.8	1.5167	0.076

0.01629 0.0751641

Ins CO2Min	VO2	Stpd VCO2	Stpc VE	Stpd	RR	Spare	InsWB End	InsDB End	ExpDB EndT	ExpWB EndT	ExpDB End	Time (min)	ExpH2OVa	InsH2OVap
Frac	L/M	L/M	L/M		/min		Degree C	Degree C	Degree C	Degree C	Degree C	Min	Ml/min	Ml/min
0.0002	0.5	0.5	27.3636		16.6411	0	19.1305	23.3295	25.522499	24.3654	25.5225	1.017	726.0601	779.5649
-0.0002	1.35	1.15	30.0879		18.0905	0	20.8579	26.3395	30.349001	29.497999	30.349	2.0176	925.1454	931.9615
-0.0002	1.35	1.15	30.2945		18.0905	0	22.8702	27.4529	31.3183	30.788	31.3183	3.0181	1051.649	1040.928
-0.0001	1.35	1.15	30.2945		18.0905	0	21.7312	28.4266	31.2656	30.651699	31.2656	4.0186	980.3759	978.6491
-0.0001	1.35	1.15	30.2944		18.0905	0	22.1237	29.2283	31.373699	30.6744	31.3737	5.0192	981.1253	972.9142
0	1.35	1.15	30.2947		18.0905	0	22.7508	29.9379	31.4736	30.6875	31.4736	6.0197	997.5822	978.8143
0	1.35	1.15	30.2064		18.0905	0	22.8581	30.6497	31.563499	30.6196	31.5635	7.0204	984.1573	961.4319
0.0001	1.35	1.15	30.2069		18.0905	0	22.967	31.4148	31.7582	30.641199	31.7582	8.0209	977.8747	954.7715
0.0002	1.35	1.15	30.2073		18.0905	0	23.1333	32.0417	31.8015	30.751699	31.8015	9.0218	973.4169	958.5934
0.0004	1.35	1.15	30.2186		18.0905	0	23.3421	32.6431	31.9247	30.764299	31.9247	10.0226	972.2585	961.277
0.0004	1.35	1.15	30.2349		18.0905	0	23.5021	33.2268	32.077202	30.7533	32.0772	11.0235	968.1152	961.6936
0.0004	1.35	1.15	30.2483		18.0905	0	23.3863	33.7605	32.197102	30.740101	32.1971	12.0243	953.0853	940.9285
0.0002	1.35	1.15	30.2792		18.0905	0	23.5105	34.2554	32.451199	30.8922	32.4512	13.0086	954.9662	944.2383
0.0002	1.35	1.15	30.2794		18.0905	0	23.7093	34.6593	32.609798	31.039499	32.6098	14.0094	965.1614	955.9153
0.0002	1.35	1.15	30.273		18.0905	0	23.9056	35.1619	32.866699	31.262501	32.8667	15.0106	974.566	962.8675
0.0001	1.35	1.15	30.2978		18.0905	0	24.1213	35.6041	33.047001	31.3799	33.047	16.012	983.8917	974.3761
0.0001	1.35	1.15	30.2979		18.0905	0	24.3538	35.9492	33.062	31.3372	33.062	17.013	985.2895	980.5354
0.0001	1.35	1.15	30.2837		18.0905	0	24.639	36.4213	33.3377	31.4519	33.3377	18.0141	989.4424	990.1741
0.0001	1.35	1.15	30.298		18.0905	0	24.8536	36.8757	33.425999	31.443501	33.426	19.0151	991.7542	996.7338
0	1.35	1.15	30.298		18.0905	0	25.0919	37.2935	33.528	31.545	33.528	20.0161	1000.897	1008.741
0	1.35	1.15	30.298		18.0905	0	25.215	37.7323	33.715599	31.7302	33.7156	21.0171	1010.341	1016.195
-0.0001	1.35	1.15	30.298		18.0905	0	25.5097	38.2156	33.748299	31.7465	33.7483	22.0182	1017.677	1027.02
-0.0001	1.35	1.15	30.298		18.0905	0	25.7517	38.7232	33.974098	31.8549	33.9741	23.0192	1028.882	1039.129
-0.0001	1.35	1.15	30.293		18.0905	0	26.2178	39.2525	34.064499	31.906	34.0645	24.0203	1043.024	1061.275
-0.0001	1.35	1.15	30.2981		18.0905	0	26.7307	39.7851	34.217701	32.030102	34.2177	25.0213	1064.396	1090.089
-0.0001	1.35	1.15	30.2981		18.0905	0	27.1874	40.3521	34.501701	32.326801	34.5017	26.0224	1091.553	1118.255
-0.0001	1.35	1.15	30.2981		18.0905	0	27.5535	40.9058	34.705299	32.637798	34.7053	27.0234	1119.873	1146.125
-0.0001	1.35	1.15	30.2981		18.0905	0	27.8929	41.4762	34.9855	32.8866	34.9855	28.0244	1142.743	1169.277
-0.0001	1.35	1.15	30.2981		18.0905	0	28.1528	41.8651	35.103699	32.987099	35.1037	29.0255	1156.713	1180.545
-0.0001	1.35	1.15	30.2981		18.0905	0	28.3853	42.4193	35.3251	33.097599	35.3251	30.0098	1165.788	1190.874
-0.0001	1.35	1.15	30.2981		18.0905	0	28.4858	42.7877	35.503201	33.152302	35.5032	31.0109	1168.929	1193.274
-0.0001	1.35	1.15	30.2981		18.0905	0	28.5142	43.1667	35.564701	33.132801	35.5647	32.0115	1168.214	1188.079
-0.0001	1.35	1.15	30.2981		18.0905	0	28.3585	43.5067	35.685101	33.155998	35.6851	33.0121	1160.946	1172.825
-0.0001	1.35	1.15	30.2981		18.0905	0	28.2438	43.8086	35.897099	33.187	35.8971	34.0126	1155.272	1160.147
-0.0001	1.35	1.15	30.2981		18.0905	0	28.2391	44.0982	35.939201	33.110699	35.9392	35.0132	1148.767	1153.45
-0.0001	1.35	1.15	30.2981		18.0905	0	28.2853	44.334	35.953602	33.023399	35.9536	36.0137	1143.344	1146.769
0	1.35	1.15	30.2981		18.0905	0	28.3348	44.5709	36.064602	32.943901	36.0646	37.0143	1138.527	1144.292
0	1.35	1.15	30.2981		18.0905	0	28.3716	44.6469	36.102901	32.937599	36.1029	38.0148	1135.501	1143.938
0	1.35	1.15	30.2981		18.0905	0	28.5047	44.8327	36.240501	33.119701	36.2405	39.0154	1149.497	1155.006
0	1.35	1.15	30.2981		18.0905	0	28.6099	44.9492	36.353699	33.362202	36.3537	40.016	1169.222	1171.046
-0.0001	1.35	1.15	30.2981		18.0905	0	28.7688	45.1651	36.551701	33.610001	36.5517	41.0166	1189.284	1188.905
0	1.35	1.15	30.2981		18.0905	0	28.9098	45.2211	36.652699	33.726799	36.6527	42.0171	1203.643	1203.964
0	1.35	1.15	30.2981		18.0905	0	29.0587	45.3198	36.685398	33.755699	36.6854	43.0179	1210.534	1212.249
0	1.35	1.15	30.2981		18.0905	0	29.2113	45.3892	36.797501	33.7747	36.7975	44.0186	1215.424	1220.022
0	1.35	1.15	30.2981		18.0905	0	29.3433	45.5279	36.804199	33.7505	36.8042	45.0193	1218.427	1226.021
0	1.35	1.15	30.2982		18.0905	0	29.4912	45.5129	36.8241	33.706299	36.8241	46.02	1220.874	1233.304
0	1.35	1.15	30.2981		18.0905	0	29.6153	45.6405	36.840801	33.673599	36.8408	47.0207	1223.509	1238.339
0.0001	1.35	1.15	30.2981		18.0905	0	29.7963	45.691	36.925701	33.660999	36.9257	48.0213	1225.038	1247.486
0	1.35	1.15	30.2981		18.0905	0	29.9473	45.7737	36.923401	33.630501	36.9234	49.022	1229.144	1254.963
0	1.35	1.15	30.2981		18.0905	0	30.1088	45.777	36.895699	33.558899	36.8957	50.0226	1233.738	1263.445
0	1.35	1.15	30.2981		18.0905	0	30.3087	45.8802	36.952801	33.546902	36.9528	51.0234	1237.833	1272.45
-0.0001	1.35	1.15	30.2981		18.0905	0	30.5281	45.9423	36.965099	33.525799	36.9651	52.024	1247.782	1286.977
-0.0001	1.35	1.15	30.2982		18.0905	0	30.809	46.0078	37.0327	33.6926	37.0327	53.0247	1269.155	1312.254
-0.0001	1.35	1.15	30.2982		18.0905	0	31.1236	46.0544	37.117599	33.991901	37.1176	54.0253	1305.426	1347.088
-0.0001	1.35	1.15	30.2982		18.0905	0	31.5135	46.1482	37.310101	34.2771	37.3101	55.0261	1342.108	1384.921
-0.0001	1.35	1.15	30.2982		18.0905	0	31.8397	46.1748	37.2785	34.3423	37.2785	56.0267	1367.801	1412.856
0	1.35	1.15	30.2982		18.0905	0	32.2248	46.1537	37.329601	34.4538	37.3296	57.0107	1394.57	1443.756
0	1.35	1.15	30.2982		18.0905	0	32.6178	46.3174	37.397202	34.5285	37.3972	58.0113	1416.439	1474.614
0	1.35	1.15	30.2982		18.0905	0	32.9382	46.2941	37.3839	34.495899	37.3839	59.0122	1433.94	1496.961
-0.0001	1.35	1.15	30.2982		18.0905	0	33.3296	46.2974	37.419399	34.550598	37.4194	60.0129	1455.963	1527.296
-0.0001	1.35	1.15	30.2982		18.0905	0	33.7026	46.3973	37.4949	34.6301	37.4949	61.0138	1478.814	1557.294
0	1.35	1.15	30.2982		18.0905	0	34.044	46.4367	37.472099	34.598999	37.4721	62.0148	1494.602	1581.162
0	1.35	1.15	30.2982		18.0905	0	34.4496	46.5204	37.4244	34.569099	37.4244	63.0163	1511.234	1607.805
-0.0001	1.35	1.15	30.2982		18.0905	0	34.8942	46.5426	37.458302	34.563301	37.4583	64.0189	1532.948	1640.445
-0.0001	1.35	1.15	30.2982		18.0905	0	35.2319	46.5593	37.449402	34.5854	37.4494	65.02	1552.152	1664.133
-0.0001	1.35	1.15	30.2982		18.0905	0	35.5544	46.6258	37.471001	34.596401	37.471	66.0208	1568.137	1690.838
0	1.35	1.15	30.2982		18.0905	0	35.8448	46.5942	37.476002	34.6348	37.476	67.0221	1582.202	1714.694
0	1.35	1.15	30.2982		18.0905	0	36.1516	46.648	37.526001	34.743698	37.526	68.0229	1604.42	1742.598
0	1.35	1.15	30.2982		18.0905	0	36.3867	46.6475	37.595901	34.895802	37.5959	69.0242	1625.233	1769.926
0	1.35	1.15	30.2982		18.0905	0	36.704	46.6996	37.744598	35.132	37.7446	70.0253	1654.188	1804.315
-0.0001	1.35	1.15	30.2982		18.0905	0	37.0891	46.9182	37.913799	35.3493	37.9138	71.0266	1685.272	1843.177
0	1.35	1.15	30.2982		18.0905	0	37.4626	47.0431	38.114101	35.5839	38.1141	72.0109	1717.257	1882.464
0	1.35	1.15	30.2982		18.0905	0	37.7714	47.1818	38.268299	35.7523	38.2683	73.0125	1740.857	1911.515
0	1.35	1.15	30.2982		18.0905	0	38.1928	47.331	38.412498	35.889599	38.4125	74.0133	1766.344	1950.26
-0.0001	1.35	1.15	30.2982		18.0905	0	38.5495	47.5574	38.6106	36.059502	38.6106	75.0143	1791.729	1985.424
-0.0001	1.35	1.15	30.2982		18.0905	0	38.962	47.7438	38.771999	36.1852	38.772	76.0153	1817.848	2020.633
0	1.35	1.15	30.2982		18.0905	0	39.3934	48.0217	39.004002	36.3909	39.004	77.0163	1845.375	2058.25
0	1.35	1.15	30.2982		18.0905	0	39.9111	48.3041	39.199799	36.5061	39.1998	78.017	1877.526	2099.723
0	1.35	1.15	30.2982		18.0905	0	40.1794	48.3591	39.4361	36.905499	39.4361	79.0178	1944.6	2118.912

35.615498 33.218923

Avg Exh O2	MouthO2T	Mth CO2T/	MouthO2V	Mth CO2V	InsWBAvg	InsDBAvgT	VH2o	ExpCO2Mi	InO2TimA	InCO2Tim/	ExpTpDBAv	ExpTpWBAv	ExpO2Min	N2TransIm	O2TransImb
Frac	Frac	Frac	Frac	Frac	Degree C	Degree C	Ml/min	Frac	Frac	Frac	Degree C	Degree C	Frac	Liters	Liters
0.6611	0.1942	0.0045	NaN	NaN	22.2323	24.1701	-53.5048	0	0.1975	0.0031	25.0487	21.931499	0.185	0.0021	0
0.7395	0.6079	0.013	0.6078	0.0123	25.6741	27.9222	-6.816	0	0.6654	0.0068	28.877399	25.865101	0.4665	0.0439	0.0879
0.7474	0.6227	0.0267	0.6234	0.0255	27.5501	28.9236	10.7214	0	0.6392	0.0147	29.9044	27.899799	0.5798	0.0002	0.1046
0.75	0.6093	0.0327	0.6104	0.0313	26.9128	29.3519	1.7268	0	0.6269	0.0183	30.117901	27.119101	0.5648	0	0.0975
0.7534	0.6094	0.0343	0.6106	0.0329	26.9602	29.8314	8.2112	0	0.628	0.0192	30.467699	27.2118	0.5629	0.0007	0.0963
0.7564	0.6237	0.0346	0.6251	0.0332	27.1302	30.24	18.7677	0	0.643	0.0193	30.8036	27.4862	0.5767	0.0067	0.1023
0.7591	0.648	0.0332	0.6495	0.0317	27.0466	30.6161	22.7255	0	0.666	0.0185	31.092899	27.431101	0.6033	0.0055	0.1127
0.7629	0.6732	0.034	0.675	0.0324	27.086	31.1116	23.1033	0	0.691	0.0191	31.511299	27.4559	0.6285	0.0055	0.1244
0.7654	0.7009	0.0341	0.7026	0.0326	27.215	31.4578	14.8235	0	0.718	0.0193	31.7686	27.464199	0.6571	0.0055	0.1356
0.7682	0.7338	0.0339	0.7355	0.0325	27.3282	31.8162	10.9816	0	0.7507	0.0191	32.075699	27.518801	0.692	0.0062	0.1494
0.7709	0.7675	0.0348	0.7693	0.0334	27.414	32.1824	6.4217	0	0.7842	0.0201	32.385502	27.537201	0.7244	0.0063	0.1626
0.7732	0.8007	0.0334	0.8025	0.032	27.2335	32.4755	12.1568	0	0.8172	0.0186	32.638699	27.416	0.7578	0.0058	0.1753
0.7763	0.8295	0.0325	0.8313	0.031	27.3533	32.8603	10.7281	0	0.8458	0.018	33.0168	27.5161	0.7853	0.0076	0.1861
0.7784	0.853	0.0324	0.8548	0.0309	27.5498	33.1133	9.2462	0	0.8692	0.0178	33.2631	27.691999	0.8093	0.003	0.1946
0.781	0.8732	0.032	0.875	0.0304	27.7127	33.4551	11.6986	0	0.8891	0.0178	33.564201	27.8722	0.8281	0.0072	0.2017
0.7837	0.8897	0.0325	0.8914	0.0309	27.9111	33.7812	9.5156	0	0.9058	0.0178	33.879002	28.041401	0.8448	0.0031	0.2075
0.7852	0.9029	0.0324	0.9046	0.0308	28.0276	33.9848	4.7542	0	0.9192	0.0177	34.0411	28.094101	0.8573	0.0075	0.212
0.7881	0.9133	0.0322	0.9151	0.0305	28.2231	34.3453	-0.7319	0	0.9292	0.0178	34.384602	28.2239	0.8671	0.0048	0.2153
0.7901	0.9224	0.0319	0.9242	0.0302	28.3516	34.6139	-4.9797	0	0.9383	0.0174	34.611801	28.295799	0.8759	0.0028	0.2182
0.7919	0.9291	0.0316	0.9308	0.03	28.539	34.8604	-7.844	0	0.9448	0.0173	34.815201	28.4426	0.8832	0.0051	0.2208
0.7944	0.9346	0.0313	0.9363	0.0297	28.6903	35.1763	-5.8543	0	0.9502	0.017	35.1092	28.6117	0.8885	0.0067	0.2225
0.7963	0.9392	0.0311	0.9409	0.0294	28.8638	35.4336	-9.3434	0	0.9547	0.0168	35.307499	28.735201	0.8933	0.0081	0.2239
0.7992	0.9426	0.0308	0.9443	0.0292	29.0716	35.7946	-10.2474	0	0.9577	0.0167	35.639999	28.928699	0.8972	0.0091	0.225
0.8014	0.9453	0.0313	0.947	0.0296	29.3723	36.1004	-18.2506	0	0.9608	0.0169	35.9095	29.139601	0.8995	0.008	0.226
0.804	0.9473	0.0311	0.949	0.0295	29.7384	36.4311	-25.6938	0	0.9626	0.0168	36.202999	29.424801	0.9013	0.0045	0.2265
0.8073	0.9486	0.0315	0.9502	0.0299	30.1099	36.8464	-26.7011	0	0.9638	0.0171	36.600201	29.788601	0.9025	0.0051	0.2271
0.81	0.9499	0.0317	0.9516	0.0301	30.4552	37.181	-26.2525	0	0.9652	0.0173	36.912701	30.1397	0.9032	0.0055	0.2274
0.8133	0.9508	0.0319	0.9525	0.0303	30.7625	37.5851	-26.5338	0	0.9661	0.0175	37.320202	30.4499	0.9043	0.0058	0.2277
0.8154	0.9521	0.0316	0.9539	0.0299	30.9235	37.8493	-23.832	0	0.9672	0.0176	37.558701	30.6348	0.9044	0.0062	0.228
0.8181	0.9529	0.0317	0.9546	0.0301	31.0915	38.2023	-25.0863	0	0.9681	0.0174	37.884701	30.787701	0.906	0.0066	0.2285
0.8205	0.9527	0.0319	0.9543	0.0304	31.1737	38.5082	-24.3448	0	0.9678	0.0175	38.168301	30.874001	0.9063	0.0064	0.2283
0.8221	0.9528	0.0319	0.9544	0.0303	31.1664	38.726	-19.8641	0	0.9679	0.0175	38.3391	30.9007	0.907	0.0066	0.2286
0.8239	0.953	0.0317	0.9545	0.0302	31.0652	38.9543	-11.879	0	0.968	0.0174	38.544201	30.8708	0.9074	0.0066	0.2284
0.826	0.9531	0.0319	0.9547	0.0303	30.9925	39.2041	-4.8753	0	0.9679	0.0179	38.811298	30.8685	0.9061	0.0066	0.2284
0.8272	0.9522	0.0325	0.9538	0.031	30.9617	39.3754	-4.682	0	0.9675	0.018	38.938202	30.830601	0.9055	0.0065	0.2283
0.8281	0.9527	0.0323	0.9544	0.0307	30.9234	39.5083	-3.4246	0	0.9676	0.0182	39.0336	30.7969	0.9043	0.0067	0.2283
0.8296	0.9527	0.032	0.9542	0.0305	30.9323	39.675	-5.7652	0	0.9676	0.0177	39.221001	30.787201	0.9076	0.0065	0.2281
0.8303	0.9529	0.032	0.9545	0.0306	30.9425	39.7444	-8.4377	0	0.9678	0.0177	39.305801	30.774599	0.9077	0.0066	0.2284
0.8313	0.9516	0.0327	0.9532	0.0311	31.076	39.8844	-5.5092	0	0.9667	0.0184	39.423599	30.933001	0.9042	0.0064	0.2281
0.8323	0.9516	0.0327	0.9533	0.0311	31.2533	40.0118	-1.8237	0	0.9665	0.0186	39.5401	31.1446	0.9037	0.0065	0.228
0.834	0.9512	0.0325	0.9529	0.0309	31.4578	40.1998	0.3791	0	0.9659	0.0185	39.7575	31.3766	0.9035	0.0063	0.2279
0.8347	0.9509	0.0328	0.9524	0.0314	31.6132	40.2773	-0.3215	0	0.9659	0.0184	39.857101	31.530399	0.9052	0.0063	0.2276
0.8351	0.9502	0.033	0.9518	0.0315	31.7036	40.3481	-1.7149	0	0.9651	0.0189	39.897099	31.602301	0.9024	0.006	0.2274
0.8361	0.9503	0.0329	0.9519	0.0314	31.796	40.4568	-4.5983	0	0.9652	0.0189	40.024399	31.6719	0.9021	0.0061	0.2273
0.8364	0.9491	0.033	0.9507	0.0315	31.8604	40.5058	-7.5944	0	0.964	0.0189	40.044899	31.7036	0.9013	0.0057	0.2269
0.8367	0.949	0.0331	0.9506	0.0316	31.9326	40.5344	-12.43	0	0.9639	0.019	40.109699	31.738501	0.901	0.0057	0.2269
0.8372	0.9485	0.0326	0.9501	0.0312	31.9891	40.5901	-14.8298	0	0.9631	0.0188	40.159599	31.7722	0.9014	0.0055	0.2268
0.8377	0.9476	0.0328	0.9491	0.0315	32.0837	40.6507	-22.4485	0	0.9623	0.0189	40.222	31.7981	0.9011	0.0053	0.2265
0.8379	0.9466	0.0331	0.9482	0.0317	32.1571	40.6804	-25.819	0	0.9611	0.0193	40.254002	31.8419	0.8995	0.0052	0.2263
0.8381	0.9447	0.0332	0.9463	0.0318	32.24	40.7135	-29.7068	0	0.9591	0.0195	40.258801	31.885099	0.8969	0.0044	0.2254
0.8387	0.9452	0.0329	0.9467	0.0315	32.3344	40.7859	-34.6167	0	0.9592	0.0193	40.3479	31.939301	0.8982	0.0041	0.2251
0.839	0.9489	0.0333	0.9504	0.032	32.4719	40.8261	-39.1947	0	0.9634	0.0191	40.355099	32.031502	0.9022	0.0058	0.227
0.8397	0.9506	0.0336	0.9521	0.0323	32.7118	40.9117	-43.0997	0	0.9657	0.0192	40.4501	32.242901	0.9034	0.0062	0.2272
0.8401	0.9506	0.034	0.9523	0.0325	33.0249	40.9548	-41.6617	0	0.9656	0.0197	40.501999	32.577202	0.9016	0.0063	0.2273
0.8413	0.9504	0.0343	0.9521	0.0329	33.374	41.0799	-42.8135	0	0.9655	0.02	40.644798	32.926601	0.9019	0.0064	0.2271
0.8413	0.9506	0.0338	0.9521	0.0325	33.6141	41.0905	-45.0553	0	0.9653	0.0197	40.644402	33.1502	0.903	0.0064	0.2274
0.8415	0.9494	0.0342	0.951	0.0327	33.8794	41.1187	-49.1863	0	0.9645	0.02	40.6605	33.383598	0.901	0.0062	0.2271
0.8422	0.95	0.0346	0.9515	0.0333	34.1547	41.2254	-58.1754	0	0.9651	0.0201	40.756302	33.586899	0.9018	0.0063	0.2269
0.8423	0.9486	0.0344	0.9502	0.0331	34.3396	41.2279	-63.0207	0	0.9634	0.0204	40.756302	33.735001	0.9004	0.0061	0.2267
0.8425	0.9492	0.0348	0.9507	0.0334	34.5914	41.2513	-71.3333	0	0.964	0.0205	40.786201	33.925098	0.9007	0.0062	0.227
0.8433	0.9502	0.0345	0.9517	0.0332	34.8507	41.353	-78.4801	0	0.9651	0.0201	40.874599	34.130501	0.9023	0.0064	0.2272
0.8435	0.9493	0.0342	0.9508	0.0329	35.0452	41.3734	-86.5599	0	0.9639	0.0201	40.889099	34.263599	0.9016	0.0062	0.2269
0.8434	0.948	0.0347	0.9496	0.0333	35.26	41.3936	-96.5711	0	0.9628	0.0205	40.874401	34.3978	0.8992	0.006	0.2266
0.8436	0.9466	0.0347	0.948	0.0335	35.5208	41.4184	-107.496	0	0.9613	0.0205	40.8867	34.577202	0.8993	0.0058	0.2263
0.8439	0.9473	0.0346	0.9488	0.0333	35.7116	41.4582	-111.981	0	0.9618	0.0207	40.914799	34.737598	0.8989	0.0058	0.2262
0.8441	0.9457	0.0351	0.9473	0.0337	35.9225	41.4866	-122.701	0	0.9601	0.0212	40.944901	34.871399	0.8968	0.0055	0.2258
0.8442	0.943	0.0354	0.9445	0.034	36.1072	41.4978	-132.492	0	0.9575	0.0213	40.959099	34.986401	0.8941	0.0047	0.2249
0.8447	0.9434	0.0347	0.9449	0.0334	36.3308	41.5716	-138.178	0	0.9582	0.0207	40.996498	35.169498	0.8951	0.0046	0.2249
0.8451	0.9435	0.0347	0.945	0.0334	36.5406	41.5959	-144.693	0	0.9582	0.0207	41.055302	35.343498	0.8953	0.0047	0.2252
0.8459	0.9435	0.0349	0.945	0.0335	36.8139	41.704	-150.127	0	0.9589	0.0206	41.139999	35.584	0.8946	0.0047	0.2252
0.8474	0.9443	0.0351	0.9458	0.0338	37.1303	41.9012	-157.905	0	0.9594	0.0207	41.334499	35.855801	0.8955	0.0048	0.2254
0.8488	0.943	0.0349	0.9445	0.0336	37.4408	42.0618	-165.207	0	0.9579	0.0207	41.501301	36.1273	0.8946	0.0046	0.2251
0.8499	0.94	0.0345	0.9415	0.0332	37.672	42.2075	-170.658	0	0.9548	0.0206	41.6381	36.3279	0.8917	0.0035	0.224
0.8513	0.941	0.0352	0.9427	0.0337	37.972	42.3668	-183.916	0	0.9559	0.0209	41.783199	36.542198	0.8916	0.0039	0.2244
0.8531	0.9396	0.0348	0.9411	0.0336	38.2552	42.6073	-193.695	0	0.9544	0.0205	42.014801	36.767101	0.891	0.0037	0.2242
0.8547	0.9387	0.0351	0.9402	0.0338	38.5307	42.8114	-202.785	0	0.9533	0.0208	42.194698	36.987701	0.8894	0.0034	0.2238
0.8569	0.9378	0.0349	0.9393	0.0336	38.825	43.052	-212.874	0	0.9522	0.0206	42.472	37.231201	0.8879	0.003	0.2236
0.8587	0.9348	0.0345	0.9362	0.0333	39.1389	43.2661	-222.197	0	0.948	0.0206	42.705502	37.499401	0.8859	0.0025	0.2228
0.8604	0.9317	0.0359	0.9331	0.0349	39.2864	43.3965	-174.311	0	0.9431	0.0218	43.0009	38.021301	0.8807	0.0016	0.2218

37.969994 31.485195

STP-0602, SR2000, CAP 3, TN-20307

Time Sec	Exp O2 Frac	Exp CO2 Frac	Ins O2 Frac	Ins CO2 Frac	Exp Vol Liters	Ins Vol Liters	Exp Prs Pk mmH20	Ins Prs Pk mmH20	Exp Prs Av mmH20	Ins Prs Av mmH20	Exp Time Sec	Ins Time Sec	Exp CO2 Pl Frac
1.017	NaN	NaN	NaN	NaN	1.5123	1.527	6.8614	-8.9395	3.3178	-5.3275	3.2883	1.365	0.0075
2.018	0.4675	0.0223	0.6069	0.005	1.6624	1.7171	23.1559	-104.733	16.9185	-73.7693	1.8	1.5167	0.0306
3.019	0.5717	0.0372	0.6086	0.0089	1.6746	1.7035	26.9717	-41.9109	19.954	-29.6435	1.8	1.5167	0.0488
4.0196	0.5586	0.046	0.5972	0.0114	1.6746	1.702	27.9642	-43.355	20.2273	-30.268	1.8	1.5167	0.0611
5.0204	0.557	0.0475	0.5983	0.0117	1.6745	1.7033	27.2442	-44.1564	20.5061	-30.8033	1.8	1.5167	0.062
6.021	0.5695	0.0476	0.6123	0.0117	1.6746	1.7041	28.3059	-44.0018	21.3902	-30.7652	1.8	1.5167	0.0634
7.0218	0.5913	0.0471	0.6326	0.0113	1.6697	1.7077	29.0585	-44.6364	22.0368	-30.7453	1.8	1.5167	0.0605
8.0231	0.6142	0.047	0.6541	0.0118	1.6697	1.7091	30.2301	-44.9578	23.2746	-30.751	1.8	1.5167	0.0622
9.024	0.6374	0.0476	0.678	0.0119	1.6697	1.7096	32.024	-45.389	24.5429	-30.7035	1.8	1.5167	0.0613
10.025	0.67	0.0479	0.71	0.0121	1.6698	1.7084	33.3217	-46.2107	25.5925	-30.6897	1.8	1.5167	0.0616
11.009	0.7079	0.047	0.7463	0.0118	1.67	1.7067	35.0099	-45.9422	27.8617	-29.6579	1.8	1.5167	0.0608
12.01	0.746	0.046	0.7835	0.0109	1.6708	1.7078	34.9855	-46.5076	27.8151	-30.418	1.8	1.5167	0.0594
13.011	0.7796	0.046	0.817	0.0108	1.6717	1.7082	35.9333	-47.5979	28.1109	-30.862	1.8	1.5167	0.0606
14.012	0.8094	0.0458	0.8465	0.0107	1.6725	1.7063	36.6208	-47.9843	28.4904	-31.2546	1.8	1.5167	0.0599
15.013	0.8356	0.0446	0.8713	0.0101	1.6748	1.7026	36.9707	-48.9525	28.7913	-31.6949	1.8	1.5167	0.057
16.014	0.8563	0.0448	0.892	0.0102	1.6731	1.7022	37.1659	-48.9566	29.1785	-32.1879	1.8	1.5167	0.0589
17.015	0.8735	0.0454	0.9092	0.0105	1.6748	1.7019	37.6907	-49.9329	29.5469	-32.7631	1.8	1.5167	0.0599
18.016	0.8884	0.044	0.9228	0.0101	1.6738	1.7051	37.9917	-50.4007	29.9588	-33.3452	1.8	1.5167	0.0582
19.017	0.8983	0.0448	0.9333	0.0099	1.6748	1.7027	38.7768	-51.7472	30.2431	-33.8986	1.8	1.5167	0.0582
20.018	0.907	0.0445	0.9416	0.0099	1.6748	1.7037	39.4114	-51.9912	30.6096	-34.471	1.8	1.5167	0.059
21.019	0.9134	0.0447	0.9481	0.0098	1.6748	1.7043	39.1917	-52.7601	31.068	-35.0863	1.8	1.5167	0.0588
22.02	0.9206	0.0441	0.9546	0.0097	1.6743	1.7016	40.0745	-53.8503	31.4961	-35.6528	1.8	1.5167	0.0579
23.02	0.9255	0.0437	0.9589	0.0094	1.6748	1.7024	40.4894	-54.55	31.8405	-36.4477	1.8	1.5167	0.0572
24.022	0.9285	0.0442	0.9621	0.0096	1.6748	1.7045	41.0752	-55.9982	32.2139	-37.2885	1.8	1.5167	0.0584
25.022	0.9316	0.0444	0.9651	0.0098	1.6748	1.7038	41.4291	-57.0477	32.6165	-38.1068	1.8	1.5167	0.0594
26.023	0.9338	0.045	0.9677	0.0097	1.6748	1.702	42.1369	-57.7718	33.0238	-38.8147	1.8	1.5167	0.0585
27.024	0.9362	0.0444	0.9694	0.0096	1.6748	1.7031	42.5153	-58.7318	33.4218	-39.3943	1.8	1.5167	0.0581
28.025	0.9384	0.0435	0.9705	0.0097	1.6748	1.7033	42.7024	-59.3054	33.6726	-39.8796	1.8	1.5167	0.0573
29.026	0.9388	0.0447	0.9717	0.01	1.6748	1.7024	43.5078	-60.1109	33.9346	-40.4316	1.8	1.5167	0.0599
30.026	0.9403	0.0444	0.973	0.01	1.6748	1.7031	43.6217	-60.6072	34.2487	-40.8176	1.8	1.5167	0.0582
31.011	0.9417	0.0441	0.9741	0.0099	1.6748	1.7028	43.8292	-61.4655	34.5112	-41.1283	1.8	1.5167	0.0572
32.012	0.9402	0.0458	0.9738	0.0104	1.6748	1.7021	44.3499	-61.6079	34.7181	-41.4994	1.8	1.5167	0.0603
33.013	0.9413	0.0453	0.9742	0.0105	1.6748	1.7036	44.6916	-62.1692	34.9939	-41.7917	1.8	1.5167	0.0598
34.013	0.9419	0.0452	0.9745	0.0104	1.6748	1.7034	44.8828	-62.2099	35.0673	-41.9608	1.8	1.5167	0.0582
35.014	0.9422	0.045	0.9745	0.0107	1.6748	1.7018	45.1513	-62.157	35.2389	-42.0334	1.8	1.5167	0.0596
36.015	0.9428	0.0453	0.9755	0.0106	1.6748	1.7018	45.1716	-62.7591	35.3566	-42.1166	1.8	1.5167	0.0587
37.016	0.9415	0.0461	0.9746	0.0109	1.6748	1.704	45.3954	-62.8527	35.4909	-42.3595	1.8	1.5167	0.0594
38.017	0.9426	0.0457	0.9757	0.0107	1.6748	1.7029	45.6842	-63.5157	35.62	-42.4642	1.8	1.5167	0.0591
39.018	0.9423	0.0456	0.975	0.0111	1.6748	1.7021	45.8591	-63.2513	35.7231	-42.6982	1.8	1.5167	0.0598
40.018	0.9418	0.0462	0.9747	0.0112	1.6748	1.7012	46.3066	-63.7842	35.8751	-42.8558	1.8	1.5167	0.0605
41.019	0.9416	0.046	0.9745	0.0114	1.6748	1.7027	46.1113	-63.7639	35.8998	-43.2567	1.8	1.5167	0.0602
42.02	0.9421	0.0456	0.9745	0.0114	1.6748	1.7034	46.274	-64.5856	36.1203	-43.4167	1.8	1.5167	0.0597
43.021	0.941	0.0466	0.9739	0.0115	1.6748	1.7022	46.3839	-64.1503	36.3031	-43.601	1.8	1.5167	0.0601
44.022	0.9416	0.0453	0.9734	0.0115	1.6748	1.7023	46.8598	-64.7076	36.4006	-43.9073	1.8	1.5167	0.06
45.022	0.9423	0.0449	0.9737	0.0113	1.6748	1.7033	46.8802	-65.5456	36.6335	-44.3021	1.8	1.5167	0.0581
46.023	0.9412	0.0454	0.9729	0.0116	1.6748	1.7012	47.3195	-65.7979	36.841	-44.4225	1.8	1.5167	0.0594
47.024	0.9401	0.0451	0.9718	0.0115	1.6748	1.7035	47.3927	-65.8874	36.9715	-44.7837	1.8	1.5167	0.059
48.025	0.9387	0.0457	0.9705	0.0121	1.6748	1.7034	47.9338	-66.1477	37.1372	-44.9815	1.8	1.5167	0.0605
49.026	0.9391	0.0463	0.9713	0.012	1.6748	1.7008	47.7955	-66.3552	37.2738	-45.0652	1.8	1.5167	0.061
50.012	0.9379	0.0468	0.9705	0.0121	1.6748	1.7028	47.7995	-66.5138	37.4293	-45.1932	1.8	1.5167	0.0602
51.015	0.9377	0.0463	0.9697	0.0122	1.6748	1.7048	48.2389	-66.9572	37.5076	-45.377	1.8	1.5167	0.0609
52.016	0.9374	0.0457	0.969	0.0119	1.6748	1.7026	48.5724	-66.8799	37.5772	-45.5845	1.8	1.5167	0.0589
53.017	0.9364	0.0458	0.9695	0.0122	1.6748	1.7003	48.7677	-67.5023	37.7653	-45.6649	1.8	1.5167	0.0602
54.018	0.9417	0.0463	0.9738	0.0121	1.6748	1.7009	48.6009	-67.9457	37.9559	-46.03	1.8	1.5167	0.0597
55.019	0.9416	0.0462	0.9733	0.0125	1.6748	1.7039	49.3291	-68.1573	38.2158	-46.4191	1.8	1.5167	0.0616
56.02	0.9396	0.0473	0.972	0.0128	1.6748	1.7031	49.4552	-68.8488	38.3696	-46.7083	1.8	1.5167	0.0621
57.021	0.9374	0.0472	0.9696	0.0128	1.6748	1.7025	49.5121	-69.3654	38.6198	-47.1349	1.8	1.5167	0.0611
58.022	0.9392	0.0472	0.9714	0.0128	1.6748	1.7031	49.8335	-69.8089	38.7347	-47.5299	1.8	1.5167	0.0613
59.023	0.9394	0.0473	0.9715	0.013	1.6748	1.7027	50.1142	-70.4679	39.038	-47.7415	1.8	1.5167	0.0617
60.024	0.9392	0.0476	0.9715	0.0132	1.6748	1.7032	50.3583	-71.1025	39.1462	-48.0657	1.8	1.5167	0.0621
61.025	0.9377	0.0477	0.97	0.013	1.6748	1.7032	50.8423	-71.6313	39.2913	-48.2975	1.8	1.5167	0.061
62.026	0.937	0.0477	0.9684	0.0134	1.6748	1.7022	51.3183	-72.0869	39.401	-48.5577	1.8	1.5167	0.0614
63.027	0.9366	0.0481	0.9693	0.0133	1.6748	1.7014	50.8586	-72.3228	39.4854	-48.7236	1.8	1.5167	0.0619
64.028	0.9372	0.0483	0.9698	0.0135	1.6748	1.7028	51.0457	-72.6646	39.5924	-49.0018	1.8	1.5167	0.0631
65.012	0.9366	0.0479	0.9684	0.0137	1.6748	1.7031	51.062	-73.0469	39.5133	-49.2194	1.8	1.5167	0.0621
66.013	0.9357	0.0475	0.9675	0.0138	1.6748	1.7041	51.2735	-73.8361	39.5066	-49.6194	1.8	1.5167	0.0617
67.014	0.936	0.0479	0.9678	0.0139	1.6748	1.7021	50.4437	-74.0843	38.7653	-50.7849	1.8	1.5167	0.063
68.015	0.9351	0.0473	0.9671	0.0133	1.6748	1.7006	50.5332	-74.7555	38.1517	-51.708	1.8	1.5167	0.0609
69.016	0.935	0.0474	0.9674	0.0134	1.6748	1.7025	50.8383	-75.2721	38.1388	-52.5693	1.8	1.5167	0.062
70.017	0.934	0.0472	0.9655	0.0134	1.6748	1.705	49.8335	-75.7847	37.6354	-53.5415	1.8	1.5167	0.0619
71.018	0.9349	0.0474	0.9669	0.013	1.6748	1.704	49.8986	-76.7488	37.1065	-54.4284	1.8	1.5167	0.0614
72.019	0.9331	0.0474	0.9648	0.0132	1.6748	1.7022	49.6423	-78.2824	36.851	-55.4313	1.8	1.5167	0.0618
73.02	0.9345	0.0467	0.967	0.0127	1.6748	1.7039	49.8213	-80.0641	36.7714	-56.5477	1.8	1.5167	0.0605
74.021	0.9338	0.0474	0.9663	0.013	1.6748	1.7036	50.2647	-81.4188	37.115	-58.0637	1.8	1.5167	0.0627
75.022	0.9344	0.0471	0.966	0.0128	1.6748	1.7021	53.3604	-86.1295	39.1466	-61.5176	1.8	1.5167	0.0612
76.023	0.9344	0.0483	0.9639	0.0141	1.6748	1.703	70.0064	-107.97	50.3041	-77.5844	1.8	1.5167	0.0643
77.024	0.934	0.0492	0.9579	0.0155	1.6748	1.7046	113.1835	-151.062	77.9989	-107.637	1.8	1.5167	0.0653
78.025	0.9315	0.0505	0.95	0.0177	1.6748	1.7037	156.4095	-188.174	103.9409	-131.636	1.8	1.5167	0.0671
79.026	0.9353	0.05	0.9548	0.0164	1.6748	1.7028	148.3021	-182.695	97.601	-128.93	1.8	1.5167	0.0663

0.011659
1.165897

Ins CO2Mi	VO2	Stpd VCO2	Stp(	VE	Stpd	RR	Spare	InsWB End	InsDB End	ExpDB End	ExpWB En(	ExpDB End	Time (min)	ExpH2OVa	InsH2OVa	Avg Exh O	MouthO2T	Mth CO2T	MouthO2\	Mth CO2V
Frac	L/M	L/M		L/M		/min		Degree C	Degree C	Degree C	Degree C	Degree C	Min	Ml/min	Ml/min	Frac	Frac	Frac	Frac	Frac
0.001	0.5	0.5		27.3641	16.6411		0	22.1268	23.1148	25.3962	24.7783	25.3962	1.017	900.257	880.0513	0.6608	0.1981	0.0042	NaN	NaN
-0.0001	1.35	1.15		30.0735	18.0905		0	21.7586	25.7297	30.4123	30.3797	30.4123	2.018	1044.058	995.723	0.7393	0.5403	0.0141	0.5372	0.0137
-0.0001	1.35	1.15		30.2936	18.0905		0	23.0181	27.464	31.2367	30.4566	31.2367	3.019	1063.603	1017.825	0.7475	0.5902	0.0236	0.5902	0.023
-0.0001	1.35	1.15		30.2935	18.0905		0	21.5429	28.6169	31.1202	30.4892	31.1202	4.0196	993.4551	954.9429	0.7501	0.5774	0.0295	0.5779	0.0287
-0.0001	1.35	1.15		30.2934	18.0905		0	22.0106	29.4175	31.1529	30.2729	31.1529	5.0204	983.7501	935.5784	0.753	0.5771	0.0303	0.5777	0.0296
-0.0001	1.35	1.15		30.2937	18.0905		0	22.6151	30.1937	31.3416	30.2156	31.3416	6.021	994.2571	933.8221	0.7567	0.5901	0.0305	0.5909	0.0297
0	1.35	1.15		30.2055	18.0905		0	22.4462	30.8716	31.4431	30.4871	31.4431	7.0218	986.7907	926.6772	0.7595	0.6111	0.0299	0.612	0.0292
0.0001	1.35	1.15		30.2059	18.0905		0	22.6503	31.6711	31.741	30.626	31.741	8.0231	988.3641	926.4632	0.7634	0.6331	0.0301	0.6341	0.0294
0.0003	1.35	1.15		30.2064	18.0905		0	22.856	32.3347	31.9224	30.7385	31.9224	9.024	994.5156	930.2893	0.7667	0.6567	0.0304	0.6577	0.0298
0.0004	1.35	1.15		30.2069	18.0905		0	22.8713	32.9588	32.0722	30.7906	32.0722	10.025	989.3246	925.7266	0.7696	0.689	0.0306	0.69	0.03
0.0003	1.35	1.15		30.2112	18.0905		0	22.714	33.6778	32.348	30.9674	32.348	11.0092	980.7225	908.3876	0.7733	0.7259	0.0301	0.7271	0.0294
0.0002	1.35	1.15		30.2262	18.0905		0	22.413	34.2138	32.4595	30.8874	32.4595	12.0099	956.2327	879.4636	0.7756	0.7636	0.0291	0.7647	0.0284
0.0001	1.35	1.15		30.2416	18.0905		0	22.3325	34.712	32.5499	30.8275	32.5499	13.0108	944.89	868.1682	0.7778	0.7971	0.0291	0.7983	0.0284
0.0001	1.35	1.15		30.2559	18.0905		0	22.4446	35.1464	32.6748	30.8869	32.6748	14.0115	943.6793	869.604	0.78	0.8269	0.029	0.828	0.0283
0.0001	1.35	1.15		30.2973	18.0905		0	22.5966	35.5531	32.758	30.8648	32.758	15.0126	945.4384	872.6643	0.7819	0.8525	0.028	0.8534	0.0274
0	1.35	1.15		30.2681	18.0905		0	22.8208	36.0302	32.9444	30.98	32.9444	16.0144	947.2064	878.4722	0.7846	0.8732	0.0283	0.8742	0.0275
0	1.35	1.15		30.2976	18.0905		0	22.8928	36.4003	33.0487	31.0442	33.0487	17.0152	944.8328	882.7341	0.7865	0.8903	0.0288	0.8914	0.0279
0	1.35	1.15		30.2796	18.0905		0	23.1485	36.863	33.2207	31.0916	33.2207	18.016	950.864	891.1033	0.7888	0.9046	0.0278	0.9056	0.027
0	1.35	1.15		30.2977	18.0905		0	23.3795	37.3007	33.3655	31.2162	33.3655	19.017	960.6826	902.3213	0.7911	0.9149	0.0281	0.9158	0.0274
-0.0001	1.35	1.15		30.2978	18.0905		0	23.5657	37.6652	33.4487	31.514	33.4487	20.0178	982.5979	919.2083	0.7928	0.9234	0.028	0.9243	0.0272
-0.0001	1.35	1.15		30.2978	18.0905		0	23.9992	38.21	33.7383	32.0233	33.7383	21.0187	1023.769	950.2002	0.796	0.9299	0.028	0.9308	0.0273
-0.0001	1.35	1.15		30.2894	18.0905		0	24.4654	38.8292	34.0213	32.3915	34.0213	22.0195	1055.526	981.0144	0.7993	0.9367	0.0277	0.9376	0.0269
-0.0001	1.35	1.15		30.2979	18.0905		0	24.9041	39.3657	34.1572	32.531	34.1572	23.0204	1075.379	1004.167	0.8018	0.9413	0.0274	0.9422	0.0266
-0.0001	1.35	1.15		30.2979	18.0905		0	25.3823	39.9416	34.312	32.6478	34.312	24.0215	1089.96	1026.887	0.8045	0.9445	0.0277	0.9453	0.0269
-0.0001	1.35	1.15		30.2979	18.0905		0	25.8795	40.5724	34.6232	32.8308	34.6232	25.0224	1111.023	1051.988	0.808	0.9474	0.0279	0.9484	0.0271
-0.0001	1.35	1.15		30.2979	18.0905		0	26.2962	41.0828	34.7669	32.8503	34.7669	26.0232	1119.704	1069.354	0.8105	0.9499	0.0281	0.9507	0.0273
-0.0001	1.35	1.15		30.2979	18.0905		0	26.6476	41.5733	34.839	32.8608	34.839	27.0241	1127.048	1080.962	0.8126	0.952	0.0277	0.9528	0.027
-0.0002	1.35	1.15		30.2979	18.0905		0	26.9333	42.1081	35.0194	32.8724	35.0194	28.0248	1131.972	1091.36	0.8153	0.9537	0.0273	0.9545	0.0266
-0.0002	1.35	1.15		30.298	18.0905		0	27.2516	42.5603	35.1614	32.9129	35.1614	29.0256	1138.056	1103.876	0.8175	0.9544	0.0281	0.9553	0.0274
-0.0002	1.35	1.15		30.298	18.0905		0	27.5172	42.9935	35.2668	32.9076	35.2668	30.0263	1142.304	1111.092	0.8195	0.9559	0.0279	0.9567	0.0272
-0.0001	1.35	1.15		30.298	18.0905		0	27.7472	43.388	35.3988	32.8766	35.3988	31.0105	1142.805	1116.334	0.8217	0.9571	0.0277	0.9579	0.027
-0.0001	1.35	1.15		30.298	18.0905		0	27.9034	43.7375	35.5181	32.8556	35.5181	32.0119	1143.016	1120.945	0.8233	0.9562	0.0288	0.957	0.0281
-0.0001	1.35	1.15		30.298	18.0905		0	28.0817	44.0005	35.6086	32.8634	35.6086	33.0127	1143.791	1123.062	0.8249	0.957	0.0286	0.9578	0.0279
-0.0001	1.35	1.15		30.298	18.0905		0	28.1864	44.2968	35.8077	32.9508	35.8077	34.0134	1151.2	1130.501	0.8267	0.9575	0.0284	0.9582	0.0278
-0.0001	1.35	1.15		30.298	18.0905		0	28.328	44.3789	35.9376	33.1549	35.9376	35.0143	1169.773	1145.221	0.8276	0.9575	0.0286	0.9584	0.0279
-0.0001	1.35	1.15		30.298	18.0905		0	28.4989	44.5409	36.0629	33.3817	36.0629	36.015	1186.337	1161.318	0.8288	0.9584	0.0286	0.9591	0.028
-0.0001	1.35	1.15		30.298	18.0905		0	28.7294	44.7551	36.2144	33.5232	36.2144	37.0159	1199.631	1177.099	0.8302	0.9574	0.0291	0.9581	0.0285
-0.0001	1.35	1.15		30.298	18.0905		0	28.9088	44.9942	36.3537	33.6568	36.3537	38.0167	1213.649	1190.424	0.8318	0.9585	0.0289	0.9592	0.0282
-0.0001	1.35	1.15		30.298	18.0905		0	29.0108	45.1856	36.4946	33.67	36.4946	39.0176	1217.606	1197.459	0.8328	0.9579	0.029	0.9587	0.0283
-0.0001	1.35	1.15		30.298	18.0905		0	29.2087	45.3626	36.5173	33.651	36.5173	40.0183	1221.439	1205.87	0.8337	0.9575	0.0293	0.9583	0.0287
-0.0001	1.35	1.15		30.298	18.0905		0	29.2928	45.3798	36.5373	33.5947	36.5373	41.0193	1221.946	1207.637	0.8341	0.9573	0.0294	0.958	0.0287
-0.0001	1.35	1.15		30.298	18.0905		0	29.4249	45.4968	36.6416	33.6089	36.6416	42.02	1224.731	1214.577	0.8352	0.9575	0.0291	0.9583	0.0285
-0.0001	1.35	1.15		30.298	18.0905		0	29.5969	45.6538	36.6871	33.5958	36.6871	43.0209	1224.942	1221.12	0.8357	0.9568	0.0296	0.9575	0.029
-0.0001	1.35	1.15		30.298	18.0905		0	30.2509	45.8314	36.6821	33.277	36.6821	44.0216	1230.636	1229.417	0.8364	0.9567	0.0291	0.9575	0.0284
-0.0001	1.35	1.15		30.298	18.0905		0	30.0209	45.9118	36.737	32.9655	36.737	45.0225	1205.765	1198.763	0.8373	0.9573	0.0286	0.958	0.0281
-0.0001	1.35	1.15		30.298	18.0905		0	30.1483	46.0084	36.8424	32.9229	36.8424	46.0232	1205.296	1202.579	0.8383	0.9563	0.0291	0.957	0.0285
-0.0001	1.35	1.15		30.298	18.0905		0	30.3119	46.1271	36.8968	32.9161	36.8968	47.0244	1209.323	1211.705	0.8389	0.9553	0.0289	0.956	0.0283
-0.0001	1.35	1.15		30.298	18.0905		0	30.4929	46.1726	36.8757	32.9729	36.8757	48.0253	1219.006	1227.191	0.8392	0.9538	0.0296	0.9546	0.0289
-0.0001	1.35	1.15		30.298	18.0905		0	30.6943	46.2475	36.9074	33.117	36.9074	49.0262	1235.854	1250.848	0.839	0.9544	0.0298	0.9552	0.0291
-0.0001	1.35	1.15		30.298	18.0905		0	31.0553	46.2319	37.0383	33.4753	37.0383	50.0117	1271.041	1288.465	0.8397	0.9535	0.03	0.9542	0.0294
0	1.35	1.15		30.298	18.0905		0	31.3025	46.3335	37.1565	33.7205	37.1565	51.0151	1298.764	1317.705	0.8405	0.953	0.0298	0.9537	0.0292
-0.0001	1.35	1.15		30.298	18.0905		0	31.5435	46.3296	37.2264	33.8415	37.2264	52.016	1318.443	1340.057	0.8408	0.9526	0.0293	0.9532	0.0288
-0.0001	1.35	1.15		30.298	18.0905		0	31.7881	46.3973	37.278	33.9083	37.278	53.0172	1333.315	1359.999	0.8412	0.9522	0.0297	0.953	0.029
-0.0001	1.35	1.15		30.298	18.0905		0	32.0022	46.3401	37.2175	33.9141	37.2175	54.018	1346.876	1376.695	0.8409	0.957	0.0298	0.9578	0.0292
-0.0001	1.35	1.15		30.298	18.0905		0	32.2963	46.4539	37.2769	33.9877	37.2769	55.019	1364.475	1400.238	0.8417	0.9567	0.03	0.9574	0.0294
-0.0001	1.35	1.15		30.2981	18.0905		0	32.6525	46.4605	37.3024	34.0209	37.3024	56.0198	1382.73	1426.338	0.8417	0.9551	0.0307	0.9558	0.03
-0.0001	1.35	1.15		30.2981	18.0905		0	32.9455	46.4139	37.2419	34.0335	37.2419	57.0208	1397.27	1447.389	0.8415	0.9528	0.0305	0.9535	0.03
-0.0001	1.35	1.15		30.298	18.0905		0	33.278	46.5243	37.3057	34.0587	37.3057	58.0217	1417.742	1473.335	0.842	0.9546	0.0306	0.9553	0.03
-0.0001	1.35	1.15		30.2981	18.0905		0	33.5905	46.531	37.3196	34.1029	37.3196	59.0228	1434.165	1497.934	0.8423	0.9547	0.0308	0.9554	0.0302
-0.0001	1.35	1.15		30.2981	18.0905		0	33.9304	46.5504	37.3384	34.144	37.3384	60.0241	1452.717	1524.098	0.8426	0.9546	0.031	0.9553	0.0304
-0.0001	1.35	1.15		30.298	18.0905		0	34.3192	46.6464	37.3817	34.205	37.3817	61.0252	1474.427	1556.213	0.8431	0.9533	0.0307	0.9539	0.0303
-0.0001	1.35	1.15		30.2981	18.0905		0	34.6432	46.617	37.3895	34.2376	37.3895	62.0261	1494.092	1581.71	0.8431	0.952	0.031	0.9527	0.0305
-0.0001	1.35	1.15		30.2981	18.0905		0	35.0126	46.6852	37.4039	34.2676	37.4039	63.0271	1514.739	1612.473	0.8435	0.9523	0.0312	0.9529	0.0307
-0.0001	1.35	1.15		30.2981	18.0905		0	35.3656	46.7562	37.4455	34.3628	37.4455	64.0279	1539.333	1644.011	0.8439	0.9528	0.0314	0.9535	0.0309
-0.0001	1.35	1.15		30.2981	18.0905		0	35.7265	46.7712	37.5088	34.5591	37.5088	65.0121	1570.535	1677.646	0.8443	0.9518	0.0313	0.9525	0.0308
-0.0001	1.35	1.15		30.2981	18.0905		0	36.0358	46.9027	37.6647	34.8042	37.6647	66.0128	1604.705	1713.816	0.8453	0.9509	0.0311	0.9516	0.0307
-0.0001	1.35	1.15		30.2981	18.0905		0	36.393	46.9099	37.7762	35.0304	37.7762	67.0138	1637.881	1753.193	0.8463	0.9512	0.0314	0.9519	0.0309
-0.0001	1.35	1.15		30.2981	18.0905		0	36.674	46.9953	37.9537	35.2246	37.9537	68.0146	1666.141	1783.406	0.8473	0.9504	0.0308	0.9511	0.0303
-0.0001	1.35	1.15		30.2981	18.0905		0	36.9476	47.2417	38.0675	35.3908	38.0675	69.0156	1684.427	1807.787	0.8485	0.9505	0.031	0.9512	0.0304
-0.0001	1.35	1.15		30.298	18.0905		0	37.1932	47.3049	38.2084	35.5345	38.2084	70.0165	1705.759	1834.172	0.8496	0.9491	0.0308	0.9497	0.0303
-0.0001	1.35	1.15		30.298	18.0905		0	37.5073	47.4719	38.336	35.6581	38.336	71.0177	1725.308	1862.83	0.8509	0.9503	0.0307	0.9509	0.0302
-0.0001	1.35	1.15		30.298	18.0905		0	37.7525	47.6428	38.4508	35.7696	38.4508	72.0187	1740.743	1882.818	0.8518	0.9482	0.0309	0.9489	0.0303
-0.0001	1.35	1.15		30.298	18.0905		0	38.0108	47.7282	38.5285	35.8448	38.5285	73.0197	1755.108	1902.108	0.8526	0.9501	0.0303	0.9508	0.0297
-0.0001	1.35	1.15		30.298	18.0905		0	38.3764	47.938	38.6689	35.9969	38.6689	74.0208	1777.38	1935.887	0.8539	0.9493	0.0308	0.95	0.0302
-0.0001	1.35	1.15		30.298	18.0905		0	38.6242	48.0312	38.7915	36.1263	38.7915	75.022	1799.605	1965.233	0.8551	0.9495	0.0305	0.9502	0.03
-0.0001	1.35	1.15		30.2981	18.0905		0	38.9288	48.1421	38.9152	36.1573	38.9152	76.0229	1816.045	1990.761	0.8562	0.9484	0.0318	0.9491	0.0312
-0.0001	1.35	1.15		30.2981	18.0905		0	39.2292	48.2941	39.1216	36.2326	39.1216	77.024	1837.257	2011.531	0.8578	0.9453	0.0327	0.946	0.0323
0	1.35	1.15		30.2982	18.0905		0	40.0052	48.4018	39.2941	36.393	39.2941	78.0249	1880.357	2069.25	0.8594	0.94	0.0345	0.9407	0.0341
-0.0001	1.35	1.15		30.2981	18.0905		0	40.7949	48.7657	39.5271	36.6345	39.5271	79.026	1936.463	2138.252	0.862	0.9444	0.0335	0.945	0.0332

InsWBAvg	InsDBAvgT	VH2o	ExpCO2Mi	InO2TimAv	InCO2TimA	ExpTpDBA	ExpTpWBA	ExpO2Min	N2TransIm	O2TransImb
Degree C	Degree C	Ml/min	Frac	Frac	Frac	Degree C	Degree C	Frac	Liters	Liters
23.5092	24.0357	20.2057	0	0.2016	0.0031	25.1312	24.3241	0.1881	0.003	0
26.6874	27.8411	48.3347	0	0.607	0.0062	28.9068	27.6156	0.4251	0.0336	0.09
27.2871	28.9588	45.7788	0	0.6074	0.0108	29.888	28.0317	0.556	0.0021	0.1327
26.6369	29.4092	38.512	0	0.5953	0.0138	30.1016	27.271	0.5412	0	0.127
26.5044	29.8363	48.1717	0	0.5961	0.014	30.3896	27.2249	0.5408	0.0008	0.1255
26.6007	30.3085	60.4351	0	0.6097	0.0142	30.8055	27.4481	0.5515	0.0067	0.1312
26.6387	30.6802	60.1135	0	0.6299	0.0136	31.1361	27.4727	0.5763	0.0051	0.1408
26.7584	31.176	61.9009	0	0.6513	0.0142	31.5689	27.5922	0.5977	0.0052	0.1516
26.9105	31.6047	64.2263	0	0.6752	0.0142	31.9463	27.7515	0.6219	0.0063	0.1616
26.9484	31.9869	63.5982	0	0.7071	0.0144	32.2717	27.767	0.655	0.0054	0.1757
26.851	32.4561	72.3349	0	0.7433	0.0141	32.686	27.7624	0.6929	0.0056	0.1908
26.5658	32.7593	76.769	0	0.7806	0.0131	32.9408	27.5326	0.7316	0.0057	0.2062
26.4903	33.0396	76.7218	0	0.8141	0.0132	33.1767	27.45	0.7634	0.0053	0.2189
26.5758	33.3291	74.0754	0	0.8437	0.0131	33.4321	27.4911	0.7932	0.0067	0.2304
26.6609	33.5773	72.7741	0	0.8687	0.0124	33.6401	27.5456	0.8205	0.0061	0.2395
26.8257	33.9131	68.7342	0	0.8894	0.0126	33.9485	27.6492	0.8397	0.0038	0.247
26.9257	34.1517	62.0986	0	0.9066	0.0129	34.1741	27.664	0.8556	0.007	0.2527
27.1083	34.4626	59.7607	0	0.9204	0.0124	34.4417	27.8021	0.87	0.0049	0.2575
27.304	34.7479	58.3613	0	0.931	0.0123	34.6944	27.9659	0.8816	0.0028	0.2608
27.5534	34.9671	63.3895	0	0.9393	0.0124	34.8986	28.2583	0.8885	0.0058	0.2639
28	35.361	73.5693	0	0.9458	0.0122	35.2759	28.7937	0.8956	0.0078	0.266
28.4428	35.7822	74.5111	0	0.9523	0.0121	35.6684	29.2212	0.9023	0.0067	0.2683
28.7642	36.105	71.2125	0	0.9566	0.0119	35.9432	29.4845	0.9072	0.0012	0.2698
29.0836	36.4531	63.0733	0	0.9599	0.012	36.2599	29.7015	0.91	0.0022	0.2706
29.4467	36.9162	59.0347	0	0.9628	0.0123	36.6706	30.0012	0.9119	0.0031	0.2716
29.6932	37.234	50.3501	0	0.9654	0.0121	36.9663	30.1492	0.9155	0.004	0.2725
29.8697	37.5115	46.086	0	0.9673	0.012	37.1928	30.2686	0.9186	0.0045	0.273
30.0442	37.8474	40.6128	0	0.9684	0.012	37.5227	30.3842	0.9202	0.0053	0.2737
30.2312	38.1482	34.1804	0	0.9696	0.0124	37.7747	30.4949	0.9204	0.0056	0.2739
30.3569	38.4138	31.2117	0	0.9709	0.0123	37.9866	30.579	0.9217	0.0059	0.2742
30.4602	38.6694	26.4706	0	0.972	0.0122	38.2444	30.6352	0.9239	0.0063	0.2747
30.5508	38.8946	22.0713	0	0.9716	0.0128	38.4416	30.6765	0.9215	0.0062	0.2744
30.6129	39.1021	20.7286	0	0.9721	0.0129	38.6118	30.7178	0.9223	0.0064	0.2747
30.7268	39.3097	20.6988	0	0.9725	0.0127	38.8388	30.8345	0.9243	0.0067	0.275
30.8923	39.4262	24.5525	0	0.9724	0.0131	38.9434	31.0338	0.9225	0.0067	0.2749
31.0758	39.5733	25.0194	0	0.9734	0.013	39.0941	31.2211	0.9243	0.0069	0.2751
31.2592	39.7451	22.5314	0	0.9726	0.0132	39.2599	31.3786	0.9233	0.0066	0.2747
31.4231	39.9436	23.2246	0	0.9737	0.013	39.4713	31.5505	0.9245	0.007	0.2752
31.5147	40.078	20.1474	0	0.973	0.0134	39.5751	31.6071	0.9231	0.0069	0.275
31.6138	40.1862	15.5695	0	0.9727	0.0135	39.6879	31.6641	0.9233	0.0069	0.275
31.6388	40.2315	14.3086	0	0.9724	0.0137	39.7257	31.676	0.922	0.0069	0.2749
31.7277	40.3612	10.1536	0	0.9725	0.0136	39.868	31.7286	0.9228	0.0069	0.2749
31.8028	40.4389	3.8223	0	0.9719	0.0137	39.9221	31.7408	0.923	0.0067	0.2747
31.8965	40.54	1.2193	0	0.9713	0.0138	39.9834	31.8041	0.9216	0.0068	0.2748
31.645	40.6996	7.002	0	0.9718	0.0134	40.0444	31.5859	0.9235	0.0068	0.2749
31.7036	40.8218	2.7168	0	0.9709	0.0138	40.1488	31.6013	0.9222	0.0067	0.2747
31.8054	40.9142	-2.382	0	0.9699	0.0137	40.2325	31.6547	0.9209	0.0063	0.2743
31.952	40.9376	-8.1844	0	0.9685	0.0143	40.2732	31.752	0.9184	0.006	0.2738
32.1617	40.907	-14.995	0	0.9693	0.0142	40.2562	31.9039	0.9195	0.0061	0.2738
32.5117	40.9729	-17.425	0	0.9685	0.0142	40.3466	32.2408	0.919	0.0058	0.2736
32.7875	41.0645	-18.941	0	0.9678	0.0143	40.4564	32.51	0.9175	0.0058	0.2735
32.9874	41.0869	-21.614	0	0.9672	0.014	40.495	32.6917	0.9187	0.0056	0.2734
33.1691	41.1347	-26.684	0	0.9675	0.0145	40.5519	32.8331	0.9166	0.0049	0.2727
33.3071	41.1004	-29.818	0	0.9719	0.0143	40.5235	32.9468	0.9221	0.0069	0.2747
33.5244	41.1915	-35.763	0	0.9714	0.0146	40.611	33.1155	0.9207	0.007	0.2747
33.7487	41.2098	-43.608	0	0.97	0.015	40.6045	33.2722	0.9185	0.0066	0.2743
33.9214	41.186	-50.12	0	0.9677	0.0149	40.5859	33.3938	0.9172	0.0062	0.2738
34.1478	41.2471	-55.593	0	0.9695	0.015	40.6483	33.5793	0.9185	0.0064	0.274
34.3558	41.2768	-63.769	0	0.9695	0.0151	40.6719	33.7225	0.9183	0.0064	0.274
34.5745	41.3065	-71.381	0	0.9696	0.0153	40.7182	33.8865	0.9185	0.0067	0.2743
34.845	41.3709	-81.786	0	0.9683	0.015	40.7715	34.0767	0.9182	0.0061	0.2737
35.0525	41.391	-87.618	0	0.9665	0.0154	40.7633	34.2383	0.9164	0.0059	0.2735
35.3026	41.4288	-97.734	0	0.9674	0.0154	40.8013	34.4144	0.9173	0.0056	0.273
35.5613	41.4983	-104.68	0	0.9678	0.0156	40.8585	34.6245	0.9164	0.0061	0.2736
35.8297	41.5442	-107.11	0	0.9665	0.0157	40.9015	34.8835	0.9152	0.0059	0.2733
36.1276	41.6732	-109.11	0	0.9656	0.0158	41.0105	35.1739	0.9142	0.0056	0.2728
36.4424	41.7778	-115.31	0	0.9659	0.0159	41.1476	35.4577	0.9145	0.0056	0.2729
36.6873	41.8966	-117.26	0	0.9652	0.0154	41.2703	35.6978	0.9146	0.0054	0.2727
36.8932	42.0596	-123.36	0	0.9654	0.0155	41.4032	35.8602	0.9132	0.0054	0.2729
37.1087	42.1996	-128.41	0	0.9637	0.0154	41.5313	36.0441	0.9132	0.005	0.2725
37.3395	42.3425	-137.52	0	0.9651	0.015	41.6975	36.2191	0.9145	0.0051	0.2728
37.5055	42.4845	-142.08	0	0.9629	0.0153	41.7775	36.3485	0.9118	0.0048	0.2724
37.657	42.5695	-147	0	0.9651	0.0148	41.8708	36.4712	0.9138	0.0047	0.2724
37.9261	42.7579	-158.51	0	0.9644	0.0151	42.0351	36.6632	0.9126	0.0049	0.2726
38.1545	42.8984	-165.63	0	0.9642	0.0149	42.1689	36.8489	0.913	0.0048	0.2725
38.3464	42.9848	-174.72	0	0.9623	0.0161	42.366	37.0001	0.9087	0.0049	0.2722
38.5037	43.0703	-174.27	0	0.9569	0.0173	42.6632	37.2001	0.9022	0.0045	0.2715
38.9226	43.2102	-188.89	0	0.9493	0.0194	42.9321	37.5529	0.8917	0.0037	0.2699
39.4432	43.5833	-201.79	0	0.9542	0.018	43.167	37.9888	0.8993	0.0042	0.2706

STP-0602, SR2000, CAP 3 As Received, TN-20307

Time	Exp O2	Exp CO2	Ins O2	Ins CO2	Exp Vol	Ins Vol	Exp Prs Pk	Ins Prs Pk	Exp Prs Av	Ins Prs Av	Exp Time	Ins Time	Exp CO2 Pk
Sec	Frac	Frac	Frac	Frac	Liters	Liters	mmH20	mmH20	mmH20	mmH20	Sec	Sec	Frac
1.0169	NaN	NaN	NaN	NaN	1.5245	1.5304	7.7598	-9.3002	4.3521	-5.5704	3.2883	1.365	0.0091
2.0174	0.6311	0.0155	0.7404	0.0037	1.6714	1.7241	23.2961	-106.988	16.975	-77.1004	1.8	1.5167	0.0209
3.0179	0.7477	0.0071	0.7542	0.0016	1.6835	1.7085	25.1958	-46.6807	18.3109	-33.6443	1.8	1.5167	0.0091
4.0182	0.7409	0.0147	0.7511	0.0041	1.6835	1.7083	24.9558	-47.5024	16.636	-35.0409	1.8	1.5167	0.0218
5.0188	0.7101	0.0402	0.7394	0.0113	1.6835	1.7113	25.0657	-47.7384	16.8064	-35.4496	1.8	1.5167	0.0561
6.0193	0.7065	0.0458	0.741	0.0127	1.6835	1.7131	24.8623	-48.5682	17.0861	-36.0294	1.8	1.5167	0.062
7.0199	0.7179	0.0481	0.7555	0.0137	1.6835	1.7102	26.0826	-48.9832	18.4007	-35.5559	1.8	1.5167	0.0679
8.0205	0.7394	0.0472	0.7765	0.0135	1.6798	1.712	27.783	-49.0238	20.078	-35.3068	1.8	1.5167	0.0678
9.0211	0.766	0.0488	0.8034	0.0141	1.6805	1.7167	29.1661	-49.2679	21.2321	-35.6594	1.8	1.5167	0.0702
10.0217	0.7944	0.0478	0.8306	0.0134	1.6835	1.7128	29.9268	-50.2442	22.2938	-35.6498	1.8	1.5167	0.0642
11.0225	0.8214	0.0479	0.8576	0.0137	1.6813	1.7112	30.8747	-50.2483	23.4984	-35.2796	1.8	1.5167	0.0643
12.0231	0.8493	0.0491	0.8862	0.0146	1.6819	1.7101	32.6849	-49.5893	25.0646	-34.5959	1.8	1.5167	0.0681
13.0239	0.8763	0.0499	0.9135	0.0148	1.6825	1.711	34.1534	-48.9425	26.5752	-33.7323	1.8	1.5167	0.0684
14.0077	0.9014	0.0487	0.9376	0.0136	1.6836	1.7117	38.3434	-49.2272	30.287	-31.6022	1.8	1.5167	0.0691
15.0084	0.9199	0.0472	0.9556	0.0125	1.6831	1.7133	38.9902	-49.455	30.4264	-32.3415	1.8	1.5167	0.0669
16.0089	0.9344	0.0466	0.9696	0.0123	1.6836	1.7103	38.9821	-49.7276	30.6589	-32.7046	1.8	1.5167	0.0656
17.0098	0.945	0.047	0.9808	0.0121	1.6836	1.7086	39.1896	-50.5819	30.9702	-33.1844	1.8	1.5167	0.0643
18.0105	0.9534	0.0464	0.9884	0.0121	1.6836	1.7115	39.9096	-51.6233	31.2954	-33.8051	1.8	1.5167	0.0656
19.0114	0.9607	0.0458	0.9954	0.0118	1.684	1.7123	40.3652	-52.209	31.5702	-34.4091	1.8	1.5167	0.0644
20.0124	0.9658	0.0457	1.0004	0.0116	1.6843	1.7075	40.3977	-52.6484	31.9918	-34.8606	1.8	1.5167	0.0638
21.0135	0.9692	0.0451	1.0034	0.0113	1.6845	1.7079	41.0689	-54.1698	32.2703	-35.6444	1.8	1.5167	0.0633
22.015	0.9717	0.0457	1.0066	0.0113	1.6846	1.7081	41.5652	-54.9061	32.7163	-36.2259	1.8	1.5167	0.0633
23.0167	0.9735	0.0456	1.008	0.0112	1.6847	1.7083	42.3625	-55.3454	33.1041	-37.0692	1.8	1.5167	0.0635
24.0175	0.9755	0.0454	1.0101	0.011	1.6848	1.7098	42.7368	-56.3868	33.5741	-37.9309	1.8	1.5167	0.0634
25.0186	0.9759	0.0455	1.0105	0.0109	1.6849	1.7098	43.53	-57.7008	34.0733	-38.7321	1.8	1.5167	0.0627
26.0194	0.9762	0.0454	1.0102	0.0112	1.6849	1.7087	44.0467	-58.6771	34.7441	-39.6118	1.8	1.5167	0.0638
27.0206	0.9768	0.0457	1.0113	0.0109	1.6849	1.7063	45.1125	-59.9992	35.3243	-40.446	1.8	1.5167	0.0634
28.0214	0.9761	0.0456	1.0099	0.0114	1.6849	1.7106	45.4786	-61.3904	35.8428	-41.4997	1.8	1.5167	0.0655
29.0224	0.976	0.046	1.0104	0.011	1.6849	1.7119	45.9342	-62.4237	36.3068	-42.3249	1.8	1.5167	0.0618
30.0064	0.9758	0.046	1.0101	0.0111	1.6849	1.7081	46.9186	-62.6921	36.7795	-42.8507	1.8	1.5167	0.0627
31.0097	0.9751	0.0458	1.0086	0.0114	1.6848	1.7072	47.4393	-63.7457	37.2146	-43.5418	1.8	1.5167	0.0647
32.0105	0.9746	0.0455	1.0082	0.0115	1.6848	1.7101	47.9763	-65.0963	37.6303	-44.229	1.8	1.5167	0.0647
33.0115	0.9743	0.046	1.0076	0.0117	1.6848	1.7119	48.2855	-65.9831	37.9203	-44.8598	1.8	1.5167	0.0647
34.0124	0.974	0.0456	1.0069	0.0118	1.6848	1.7102	48.4441	-66.1621	38.2355	-45.2456	1.8	1.5167	0.0644
35.0132	0.9738	0.0457	1.0066	0.0117	1.6847	1.7085	49.1316	-67.1425	38.4509	-45.6381	1.8	1.5167	0.0639
36.0138	0.9739	0.0452	1.0064	0.0117	1.6847	1.7075	49.6808	-67.3133	38.8506	-45.9964	1.8	1.5167	0.0647
37.0147	0.9725	0.0455	1.0052	0.0119	1.6847	1.709	50.0957	-67.8666	39.0836	-46.4106	1.8	1.5167	0.064
38.0155	0.9718	0.0462	1.0048	0.0122	1.6847	1.71	50.1405	-68.2408	39.28	-46.7243	1.8	1.5167	0.0641
39.0165	0.9707	0.0468	1.004	0.0123	1.6846	1.709	50.832	-69.1398	39.4438	-46.8694	1.8	1.5167	0.0644
40.0173	0.9702	0.0467	1.0035	0.0124	1.6846	1.7075	50.6205	-68.6761	39.6604	-46.8875	1.8	1.5167	0.0648
41.0183	0.9699	0.0467	1.0028	0.0127	1.6846	1.7088	50.8971	-69.152	39.7854	-47.1583	1.8	1.5167	0.0662
42.0193	0.9702	0.0462	1.0032	0.0122	1.6846	1.7113	51.5154	-69.8273	39.9441	-47.5908	1.8	1.5167	0.0635
43.0203	0.9695	0.047	1.0027	0.0125	1.6845	1.7103	51.0476	-69.6931	40.0715	-47.823	1.8	1.5167	0.0648
44.0211	0.9688	0.0471	1.002	0.0128	1.6845	1.7084	52.1297	-70.2016	40.3338	-47.9682	1.8	1.5167	0.0653
45.0053	0.9687	0.0465	1.0009	0.013	1.6845	1.708	52.028	-71.2633	40.5827	-48.334	1.8	1.5167	0.0656
46.006	0.9679	0.0465	1.0002	0.0131	1.6845	1.7122	52.2883	-71.3731	40.7664	-48.8374	1.8	1.5167	0.0665
47.0067	0.9662	0.0467	0.9999	0.0129	1.6844	1.7091	52.4836	-71.5847	40.9528	-49.0509	1.8	1.5167	0.0648
48.0074	0.9688	0.0466	1.0014	0.0126	1.6845	1.7071	52.6707	-72.1786	41.148	-49.4027	1.8	1.5167	0.0631
49.0083	0.969	0.0468	1.0011	0.013	1.6845	1.7061	53.2321	-72.7196	41.3899	-49.6295	1.8	1.5167	0.0645
50.0092	0.9677	0.0468	0.9998	0.0132	1.6845	1.7105	53.3297	-73.1793	41.7292	-50.2075	1.8	1.5167	0.0658
51.0102	0.9667	0.0464	0.9983	0.0132	1.6844	1.7117	53.6348	-73.5739	41.8093	-50.5373	1.8	1.5167	0.0649
52.0114	0.965	0.0459	0.9959	0.0133	1.6843	1.7091	53.9074	-74.1109	42.0653	-50.6568	1.8	1.5167	0.0642
53.0126	0.9651	0.0471	0.9968	0.0136	1.6843	1.7075	54.1718	-74.1638	42.1263	-50.9459	1.8	1.5167	0.0662
54.0136	0.9639	0.0475	0.9959	0.0135	1.6843	1.7095	54.0864	-74.6275	42.3197	-51.2158	1.8	1.5167	0.0655
55.0143	0.9631	0.0471	0.9943	0.0138	1.6842	1.7105	54.5176	-74.8675	42.5129	-51.4542	1.8	1.5167	0.0661
56.0149	0.9617	0.048	0.9938	0.0139	1.6842	1.7103	54.9366	-75.1035	42.7054	-51.7417	1.8	1.5167	0.0667
57.0156	0.961	0.0472	0.9932	0.0136	1.6841	1.7131	54.9772	-76.0554	42.908	-52.2694	1.8	1.5167	0.0653
58.0162	0.9625	0.0471	0.9944	0.0132	1.6842	1.7099	55.1766	-76.0147	43.1014	-52.6402	1.8	1.5167	0.0632
59.0169	0.9599	0.048	0.9918	0.0138	1.6841	1.7081	55.6729	-76.8852	43.443	-53.0015	1.8	1.5167	0.066
60.0174	0.9598	0.0486	0.9918	0.0142	1.6841	1.7086	55.9454	-77.7842	43.643	-53.5433	1.8	1.5167	0.0676
61.0181	0.9582	0.0484	0.9898	0.0143	1.684	1.7106	56.5556	-78.549	43.9117	-54.1228	1.8	1.5167	0.0679
62.0187	0.9563	0.0481	0.9877	0.0143	1.6839	1.7108	56.7305	-79.8101	44.2833	-54.6433	1.8	1.5167	0.0667
63.0193	0.9553	0.048	0.9865	0.0143	1.6838	1.7102	57.2187	-80.0704	44.5314	-54.9506	1.8	1.5167	0.0671
64.0199	0.9533	0.0487	0.9848	0.0145	1.6837	1.7103	57.9143	-81.0427	44.8302	-55.3614	1.8	1.5167	0.0666
65.0206	0.953	0.048	0.9835	0.0142	1.6837	1.7111	58.0282	-81.4454	44.9672	-55.8743	1.8	1.5167	0.0663
66.0045	0.95	0.048	0.9802	0.0143	1.6836	1.7105	58.8865	-82.8814	45.4338	-56.2997	1.8	1.5167	0.0659
67.0053	0.9467	0.0487	0.9775	0.0145	1.6836	1.7107	59.212	-83.5526	45.6131	-56.7339	1.8	1.5167	0.0659
68.0059	0.9438	0.048	0.9734	0.0148	1.6836	1.7102	59.4967	-84.5696	45.9463	-57.1358	1.8	1.5167	0.0667
69.0067	0.9399	0.0486	0.9699	0.0149	1.6836	1.7098	59.7449	-85.0984	45.9748	-57.6873	1.8	1.5167	0.0672
70.0073	0.9384	0.0481	0.9676	0.0148	1.6836	1.7091	59.7123	-85.6232	45.7977	-58.5118	1.8	1.5167	0.066
71.008	0.9349	0.0485	0.9644	0.0148	1.6836	1.7123	59.456	-85.8632	45.1642	-59.5277	1.8	1.5167	0.0673
72.0088	0.9319	0.0483	0.9619	0.0143	1.6836	1.7099	59.574	-86.7663	44.6512	-60.6142	1.8	1.5167	0.0651
73.0095	0.9273	0.0482	0.9574	0.0148	1.6836	1.707	59.2608	-86.8802	44.4613	-61.2508	1.8	1.5167	0.0672
74.0101	0.9242	0.0485	0.9538	0.0149	1.6836	1.7096	58.3292	-88.007	43.9612	-62.1656	1.8	1.5167	0.068
75.0113	0.9205	0.0482	0.9503	0.0145	1.6836	1.7126	58.4675	-90.464	43.717	-64.0589	1.8	1.5167	0.0665
76.0126	0.9173	0.0479	0.9461	0.0145	1.6836	1.7109	61.2134	-93.5272	44.7681	-66.9277	1.8	1.5167	0.0666
77.0134	0.913	0.0484	0.9412	0.0146	1.6836	1.708	65.7329	-101.077	48.0712	-72.3018	1.8	1.5167	0.066
78.014	0.9084	0.0493	0.9333	0.0158	1.6836	1.7095	86.817	-127.369	61.9672	-91.5381	1.8	1.5167	0.0675
				0.01265			48.08604	-68.8216					

Ins CO2Mi	VO2	Stpd VCO2	Stpc VE	Stpd RR	Spare	InsWB End	InsDB End	ExpDB End	ExpWB En	ExpDB End	Time (min)	ExpH2OVa	InsH2OVap
Frac	L/M	L/M	L/M	/min		Degree C	Degree C	Degree C	Degree C	Degree C	Min	Ml/min	Ml/min
0.001	0.5	0.5	27.5845	16.6411	0	22.9573	23.685	25.5994	25.328	25.5994	1.0169	940.7485	931.9417
-0.0001	1.35	1.15	30.2372	18.0905	0	25.4518	26.6729	30.551	30.1214	30.551	2.0174	1140.45	1091.544
-0.0002	1.35	1.15	30.4547	18.0905	0	20.9463	27.7148	31.4908	30.1256	31.4908	3.0179	970.9333	961.4474
-0.0001	1.35	1.15	30.4548	18.0905	0	20.3686	28.7323	31.6062	30.8716	31.6062	4.0182	973.4619	944.3925
-0.0001	1.35	1.15	30.4548	18.0905	0	20.6227	29.3237	31.5762	30.3477	31.5762	5.0188	955.0294	909.1986
0	1.35	1.15	30.4549	18.0905	0	21.8491	29.8935	31.7066	30.7291	31.7066	6.0193	978.5793	923.9781
0.0001	1.35	1.15	30.455	18.0905	0	22.4756	30.3723	31.6933	30.738	31.6933	7.0199	997.7771	935.4479
0.0001	1.35	1.15	30.3881	18.0905	0	22.5856	30.9732	31.8381	30.7238	31.8381	8.0205	994.679	925.0336
0.0002	1.35	1.15	30.4019	18.0905	0	22.6971	31.5319	31.8997	30.687	31.8997	9.0211	990.7906	918.7012
0.0003	1.35	1.15	30.4558	18.0905	0	22.8266	32.0828	32.0279	30.7185	32.0279	10.0217	991.1003	920.8917
0.0005	1.35	1.15	30.4148	18.0905	0	22.9407	32.6487	32.2315	30.8837	32.2315	11.0225	996.2185	925.7628
0.0006	1.35	1.15	30.427	18.0905	0	22.9844	33.1452	32.4029	31.0958	32.4029	12.0231	1007.077	930.6371
0.0005	1.35	1.15	30.438	18.0905	0	22.9597	33.6817	32.677	31.323	32.677	13.0239	1010.696	927.0013
0.0004	1.35	1.15	30.4566	18.0905	0	22.6056	34.1589	32.7957	31.3893	32.7957	14.0077	998.0667	899.0898
0.0003	1.35	1.15	30.4487	18.0905	0	22.655	34.7359	33.0698	31.4888	33.0698	15.0084	994.4117	888.8518
0.0002	1.35	1.15	30.4567	18.0905	0	22.8744	35.082	33.1008	31.4888	33.1008	16.0089	998.0164	895.1105
0.0002	1.35	1.15	30.4567	18.0905	0	23.0665	35.4654	33.2346	31.5477	33.2346	17.0098	999.6202	900.671
0.0001	1.35	1.15	30.4574	18.0905	0	23.2011	35.8416	33.401	31.5461	33.401	18.0105	999.8273	903.1501
0.0002	1.35	1.15	30.4636	18.0905	0	23.4884	36.2028	33.4637	31.5209	33.4637	19.0114	1000.595	909.0824
0.0001	1.35	1.15	30.4692	18.0905	0	23.6715	36.5889	33.5841	31.5329	33.5841	20.0124	1004.104	916.111
0.0001	1.35	1.15	30.4726	18.0905	0	23.9471	36.9184	33.6135	31.473	33.6135	21.0135	1004.846	920.3191
0.0001	1.35	1.15	30.4755	18.0905	0	24.307	37.3767	33.8165	31.5219	33.8165	22.015	1011.841	932.68
0	1.35	1.15	30.4774	18.0905	0	24.5758	37.7146	33.8604	31.5161	33.8604	23.0167	1017.031	946.2346
0	1.35	1.15	30.4792	18.0905	0	24.8557	38.1878	34.0351	31.625	34.0351	24.0175	1027.118	965.4064
0	1.35	1.15	30.4802	18.0905	0	25.1735	38.7321	34.2232	31.9133	34.2232	25.0186	1051.461	994.2684
0	1.35	1.15	30.4801	18.0905	0	25.5712	39.1776	34.413	32.2179	34.413	26.0194	1082.505	1025.526
0	1.35	1.15	30.4806	18.0905	0	26.0263	39.7524	34.717	32.512	34.717	27.0206	1108.947	1054.099
0	1.35	1.15	30.4802	18.0905	0	26.3651	40.2833	34.7991	32.6167	34.7991	28.0214	1123.146	1072.692
0	1.35	1.15	30.48	18.0905	0	26.7239	40.8908	35.0321	32.7793	35.0321	29.0224	1136.65	1090.992
0	1.35	1.15	30.4801	18.0905	0	27.0611	41.4784	35.2307	32.8466	35.2307	30.0064	1147.377	1104.374
0	1.35	1.15	30.4791	18.0905	0	27.2837	41.8296	35.2807	32.8366	35.2807	31.0097	1149.475	1113.624
0	1.35	1.15	30.4789	18.0905	0	27.4862	42.3822	35.4599	32.8587	35.4599	32.0105	1151.541	1119.453
0	1.35	1.15	30.4784	18.0905	0	27.7072	42.74	35.5292	32.8035	35.5292	33.0115	1149.462	1123.024
0	1.35	1.15	30.4783	18.0905	0	27.8655	43.069	35.7256	32.8035	35.7256	34.0124	1153.016	1123.66
-0.0001	1.35	1.15	30.4777	18.0905	0	27.9471	43.3137	35.7689	32.7235	35.7689	35.0132	1148.336	1122.382
0	1.35	1.15	30.478	18.0905	0	27.9308	43.5145	35.8138	32.6751	35.8138	36.0138	1140.241	1118.042
0	1.35	1.15	30.4766	18.0905	0	28.1217	43.7753	35.9703	32.6562	35.9703	37.0147	1141.813	1120.263
0.0001	1.35	1.15	30.4766	18.0905	0	28.2475	43.8946	36.003	32.7104	36.003	38.0155	1146.33	1127.26
0	1.35	1.15	30.4757	18.0905	0	28.338	44.0244	36.1034	32.9261	36.1034	39.0165	1162.041	1142.012
0	1.35	1.15	30.4748	18.0905	0	28.56	44.1237	36.2932	33.2365	36.2932	40.0173	1186.353	1165.379
0.0001	1.35	1.15	30.4747	18.0905	0	28.6499	44.2613	36.3742	33.4137	36.3742	41.0183	1201.492	1181.23
0	1.35	1.15	30.4748	18.0905	0	28.8362	44.3844	36.4835	33.5063	36.4835	42.0193	1213.304	1193.968
0	1.35	1.15	30.4744	18.0905	0	29.0624	44.6319	36.722	33.6005	36.722	43.0203	1220.947	1206.091
0.0001	1.35	1.15	30.474	18.0905	0	29.1976	44.8638	36.8136	33.6615	36.8136	44.0211	1226.578	1217.015
0	1.35	1.15	30.4741	18.0905	0	29.2755	44.9254	36.7892	33.5768	36.7892	45.0053	1226.064	1219.582
0.0001	1.35	1.15	30.4728	18.0905	0	29.3349	45.1168	36.7892	33.5116	36.7892	46.006	1224.053	1222.638
0	1.35	1.15	30.4721	18.0905	0	29.4733	45.1678	36.8591	33.5084	36.8591	47.0067	1224.863	1231.166
0	1.35	1.15	30.4737	18.0905	0	29.5932	45.2139	36.8902	33.4658	36.8902	48.0074	1227.42	1237.132
0	1.35	1.15	30.4739	18.0905	0	29.8105	45.3898	37.0333	33.4558	37.0333	49.0083	1233.121	1245.044
0	1.35	1.15	30.4732	18.0905	0	29.8952	45.4524	37.0499	33.4685	37.0499	50.0092	1238.091	1253.939
0	1.35	1.15	30.4717	18.0905	0	30.0951	45.524	37.0283	33.3922	37.0283	51.0102	1243.481	1263.867
0	1.35	1.15	30.4701	18.0905	0	30.3482	45.5129	37.0111	33.5132	37.0111	52.0114	1262.395	1285.437
0	1.35	1.15	30.4703	18.0905	0	30.576	45.549	37.1415	33.762	37.1415	53.0126	1292.242	1313.75
0	1.35	1.15	30.4698	18.0905	0	30.9316	45.4996	37.1437	34.0635	37.1437	54.0136	1330.489	1351.904
0	1.35	1.15	30.4686	18.0905	0	31.293	45.6139	37.3523	34.377	37.3523	55.0143	1366.069	1390.71
0	1.35	1.15	30.4678	18.0905	0	31.6087	45.7043	37.4339	34.567	37.4339	56.0149	1395.808	1421.755
0	1.35	1.15	30.4661	18.0905	0	31.9123	45.7875	37.4305	34.588	37.4305	57.0156	1418.788	1445.59
0	1.35	1.15	30.4675	18.0905	0	32.6962	45.777	37.3873	34.5564	37.3873	58.0162	1440.027	1477.993
0	1.35	1.15	30.4658	18.0905	0	33.2301	45.8197	37.4039	34.5243	37.4039	59.0169	1467.137	1515.872
0	1.35	1.15	30.466	18.0905	0	33.7126	45.8586	37.4117	34.5454	37.4117	60.0174	1482.612	1553.288
0.0001	1.35	1.15	30.4643	18.0905	0	34.205	45.9518	37.4372	34.5712	37.4372	61.0181	1510.298	1580.703
0	1.35	1.15	30.4626	18.0905	0	34.5333	45.9751	37.4328	34.5622	37.4328	62.0187	1529.24	1605.187
0	1.35	1.15	30.4606	18.0905	0	34.7295	46.0289	37.4205	34.557	37.4205	63.0193	1534.813	1631.162
0.0001	1.35	1.15	30.4591	18.0905	0	34.8395	46.1337	37.4694	34.5664	37.4694	64.0199	1551.377	1654.047
0	1.35	1.15	30.4584	18.0905	0	35.0952	46.2147	37.4971	34.6033	37.4971	65.0206	1570.15	1679.127
0	1.35	1.15	30.4569	18.0905	0	35.3892	46.3024	37.5509	34.668	37.5509	66.0045	1587.651	1708.347
0.0001	1.35	1.15	30.4568	18.0905	0	35.8227	46.3767	37.5776	34.7248	37.5776	67.0053	1609.993	1742.459
0	1.35	1.15	30.4568	18.0905	0	36.039	46.4261	37.5803	34.7716	37.5803	68.0059	1626.474	1765.469
-0.0001	1.35	1.15	30.4568	18.0905	0	36.2752	46.4933	37.6441	34.9126	37.6441	69.0067	1650.192	1794.377
0.0001	1.35	1.15	30.4568	18.0905	0	36.4798	46.5826	37.7684	35.1604	37.7684	70.0073	1679.076	1821.435
0	1.35	1.15	30.4568	18.0905	0	36.6361	46.7185	37.9853	35.424	37.9853	71.008	1705.38	1843.243
0	1.35	1.15	30.4567	18.0905	0	36.7971	46.8983	38.1346	35.6171	38.1346	72.0088	1724.758	1861.021
0.0001	1.35	1.15	30.4567	18.0905	0	36.9554	46.9066	38.2749	35.7712	38.2749	73.0095	1745.01	1883.102
0	1.35	1.15	30.4567	18.0905	0	37.1396	47.0714	38.4037	35.8727	38.4037	74.0101	1759.961	1901.004
0	1.35	1.15	30.4567	18.0905	0	37.3263	47.1979	38.4891	35.9795	38.4891	75.0113	1770.734	1918.367
0.0001	1.35	1.15	30.4567	18.0905	0	37.6262	47.2988	38.5773	36.0295	38.5773	76.0126	1789.021	1946.108
0.0001	1.35	1.15	30.4567	18.0905	0	37.9971	47.3926	38.6827	36.1384	38.6827	77.0134	1811.439	1978.949
0.0001	1.35	1.15	30.4567	18.0905	0	38.4296	47.2783	38.8137	36.2457	38.8137	78.014	1837.427	2017.015

Avg Exh O2	MouthO2T	Mth CO2T/	MouthO2V	Mth CO2V/	InsWBAvgTp	InsDBAvgT	VH2o	ExpCO2Mi	InO2TimAv	InCO2Tim/	ExpTpDBA	ExpTpWBA	ExpO2Min	N2TransIm	O2TransImb
Frac	Frac	Frac	Frac	Frac	Degree C	Degree C	Ml/min	Frac	Frac	Frac	Degree C	Degree C	Frac	Liters	Liters
0.6622	0.2075	0.0047	NaN	NaN	24.086399	24.4333	8.807	0	0.2174	0.0036	25.0585	24.6436	0.19	0.007	0.0006
0.7415	0.6865	0.0099	0.6858	0.0096	27.7857	28.2217	48.9061	0	0.7392	0.0045	29.1023	28.4879	0.555	0.0409	0.0986
0.7488	0.751	0.0044	0.751	0.0043	26.4251	29.1024	9.4859	0	0.7542	0.002	30.0507	26.7741	0.7401	0.0046	0.1367
0.7528	0.7457	0.0097	0.746	0.0094	26.3661	29.708	29.0694	0	0.7505	0.0049	30.436	26.8986	0.7291	0.0052	0.1371
0.7548	0.7241	0.0265	0.7247	0.0257	25.9991	30.0077	45.8309	0	0.7377	0.0133	30.628	26.722	0.6904	0.0002	0.1279
0.7576	0.7231	0.03	0.7238	0.0292	26.2843	30.3905	54.6013	0	0.7391	0.0149	30.9276	27.0776	0.6869	0.0006	0.1264
0.7593	0.7358	0.0318	0.7367	0.0309	26.485201	30.6262	62.3293	0	0.7531	0.0162	31.0983	27.3432	0.6942	0.0051	0.1305
0.7622	0.7568	0.0314	0.7579	0.0304	26.4813	31.0231	69.6453	0	0.7738	0.016	31.4254	27.4096	0.7155	0.0057	0.1386
0.7644	0.7835	0.0325	0.7847	0.0315	26.4736	31.3253	72.0893	0	0.8007	0.0167	31.664	27.4153	0.7414	0.0068	0.1485
0.767	0.8116	0.0313	0.8125	0.0306	26.564501	31.6637	70.2085	0	0.8282	0.0157	31.9416	27.4635	0.7748	0.0064	0.1589
0.7699	0.8385	0.0315	0.8395	0.0308	26.7286	32.0276	70.4557	0	0.8551	0.016	32.2745	27.6153	0.8012	0.0041	0.1685
0.7724	0.8666	0.0328	0.8678	0.0319	26.8612	32.3482	76.4396	0	0.8835	0.0171	32.5632	27.8006	0.8263	0.0055	0.1784
0.7754	0.8938	0.0332	0.8949	0.0323	26.905701	32.7265	83.6945	0	0.9108	0.0172	32.9289	27.9211	0.8536	0.0061	0.1875
0.7776	0.9181	0.0322	0.9195	0.0312	26.629601	33	98.9768	0	0.9348	0.0162	33.174	27.8281	0.876	0.0043	0.1955
0.7808	0.9365	0.0309	0.9378	0.0299	26.6105	33.4111	105.56	0	0.9529	0.0151	33.5614	27.8787	0.8947	0.0076	0.2017
0.7823	0.9507	0.0305	0.952	0.0295	26.7335	33.6138	102.906	0	0.9669	0.0149	33.7193	27.9522	0.9098	0.004	0.2065
0.7843	0.9617	0.0305	0.9629	0.0295	26.8634	33.8717	98.9492	0	0.9781	0.0147	33.9512	28.0228	0.9213	0.0073	0.2097
0.7867	0.9697	0.0303	0.9709	0.0293	26.966101	34.1731	96.6771	0	0.9857	0.0147	34.2214	28.0861	0.9275	0.0096	0.2125
0.7881	0.9769	0.0298	0.9781	0.0288	27.0793	34.3604	91.5123	0	0.9929	0.0144	34.3707	28.1261	0.9354	0.0099	0.2148
0.79	0.9819	0.0297	0.9831	0.0287	27.216499	34.5965	87.9934	0	0.9978	0.0142	34.5997	28.2143	0.9409	0.0099	0.2164
0.7913	0.9851	0.0292	0.9863	0.0282	27.310801	34.7917	84.5267	0	1.0009	0.0139	34.7454	28.2539	0.9441	0.0099	0.2173
0.7939	0.988	0.0295	0.9892	0.0285	27.530399	35.123	79.1615	0	1.0041	0.0139	35.0556	28.3984	0.9471	0.0099	0.2182
0.7954	0.9896	0.0294	0.9907	0.0284	27.727699	35.3107	70.7962	0	1.0055	0.0139	35.2163	28.4897	0.9484	0.0099	0.2186
0.7977	0.9916	0.0293	0.9928	0.0282	28.0119	35.6152	61.7113	0	1.0076	0.0136	35.4833	28.6563	0.9497	0.0099	0.2194
0.8005	0.9921	0.0292	0.9932	0.0282	28.4062	35.959	57.1931	0	1.0081	0.0135	35.8182	28.9868	0.9512	0.0099	0.2196
0.8028	0.992	0.0294	0.9932	0.0283	28.805099	36.2459	56.9796	0	1.0078	0.0139	36.0922	29.3682	0.9497	0.0099	0.2195
0.806	0.9929	0.0293	0.994	0.0283	29.191999	36.6492	54.8482	0	1.0088	0.0136	36.4808	29.7188	0.9509	0.0099	0.2197
0.8084	0.9918	0.0296	0.993	0.0285	29.450399	36.9628	50.4538	0	1.0075	0.0141	36.7516	29.9173	0.9482	0.0099	0.2196
0.8117	0.9922	0.0293	0.9932	0.0285	29.721001	37.3685	45.6579	0	1.0081	0.0135	37.1536	30.1332	0.9515	0.0099	0.2195
0.8143	0.9919	0.0295	0.993	0.0285	29.925699	37.71	43.0034	0	1.0078	0.0137	37.4456	30.2975	0.9504	0.0099	0.2195
0.816	0.9907	0.0297	0.9919	0.0286	30.0627	37.9287	35.8507	0	1.0062	0.0141	37.6529	30.3599	0.9472	0.0099	0.2191
0.8186	0.9902	0.0295	0.9914	0.0285	30.187599	38.2612	32.088	0	1.0058	0.0141	37.9449	30.4383	0.9466	0.0099	0.2189
0.8202	0.9898	0.0299	0.9909	0.0289	30.2644	38.4668	26.4379	0	1.0053	0.0143	38.1445	30.458	0.9464	0.0099	0.2187
0.8225	0.9893	0.0297	0.9905	0.0287	30.328501	38.7554	29.3558	0	1.0046	0.0144	38.4153	30.5462	0.9457	0.0099	0.2186
0.8235	0.9891	0.0297	0.9902	0.0287	30.3391	38.8695	25.9544	0	1.0044	0.0143	38.5379	30.5254	0.9464	0.0099	0.2186
0.8244	0.9889	0.0296	0.9901	0.0285	30.321899	38.9954	22.1987	0	1.0041	0.0144	38.6263	30.4644	0.9452	0.0099	0.2185
0.8262	0.9877	0.0297	0.9888	0.0287	30.3902	39.2256	21.5499	0	1.0029	0.0145	38.8392	30.5224	0.9446	0.0099	0.2181
0.827	0.9872	0.0302	0.9883	0.0292	30.4762	39.3162	19.0705	0	1.0025	0.0147	38.9288	30.5838	0.9443	0.0099	0.2181
0.8278	0.9862	0.0305	0.9873	0.0296	30.639	39.4177	20.0294	0	1.0018	0.0148	39.0284	30.7545	0.9435	0.0099	0.2179
0.829	0.9857	0.0305	0.9868	0.0295	30.8895	39.5547	20.9742	0	1.0012	0.015	39.1934	31.018	0.9422	0.0099	0.2176
0.8296	0.9852	0.0308	0.9864	0.0297	31.0562	39.6406	20.2628	0	1.0005	0.0153	39.2677	31.1747	0.9403	0.0099	0.2174
0.8307	0.9856	0.0301	0.9867	0.0292	31.2005	39.7696	19.3356	0	1.001	0.0146	39.392	31.3086	0.9428	0.0099	0.2178
0.8329	0.985	0.0307	0.9861	0.0298	31.362499	40.0262	14.8564	0	1.0005	0.015	39.6622	31.431	0.9414	0.0099	0.2173
0.8338	0.9843	0.0309	0.9854	0.03	31.4872	40.1499	9.5628	0	0.9997	0.0153	39.7719	31.5039	0.9402	0.0099	0.2174
0.834	0.9836	0.0307	0.9848	0.0297	31.514799	40.1713	6.4818	0	0.9987	0.0155	39.7922	31.503	0.9395	0.0099	0.2173
0.8346	0.9829	0.0309	0.9841	0.0298	31.560801	40.2634	1.4154	0	0.998	0.0156	39.8479	31.4954	0.9374	0.0099	0.2167
0.8352	0.982	0.0307	0.9831	0.0298	31.6516	40.3294	-6.3029	0	0.9977	0.0153	39.9283	31.5183	0.9386	0.0099	0.2168
0.8356	0.9841	0.0304	0.9851	0.0296	31.7136	40.3729	-9.7111	0	0.9993	0.015	39.9861	31.5521	0.9425	0.0099	0.2172
0.8368	0.9839	0.0308	0.985	0.0299	31.813101	40.5207	-11.923	0	0.9988	0.0155	40.1333	31.632	0.9406	0.0099	0.2172
0.8373	0.9826	0.031	0.9837	0.03	31.9079	40.5963	-15.848	0	0.9976	0.0157	40.1738	31.6853	0.9382	0.0099	0.2167
0.8374	0.9814	0.0307	0.9825	0.0298	32.000801	40.6121	-20.386	0	0.9962	0.0155	40.1969	31.7393	0.9375	0.0099	0.2164
0.8374	0.9794	0.0305	0.9804	0.0296	32.192001	40.5991	-23.042	0	0.9938	0.0157	40.1983	31.9116	0.9359	0.0099	0.2159
0.838	0.9798	0.0313	0.981	0.0303	32.455502	40.6703	-21.507	0	0.9946	0.016	40.2766	32.1936	0.9352	0.0099	0.2159
0.8379	0.9789	0.0314	0.9799	0.0305	32.7864	40.657	-21.415	0	0.9938	0.0159	40.2661	32.53	0.9351	0.0099	0.2157
0.8393	0.9776	0.0314	0.9787	0.0305	33.150902	40.8297	-24.642	0	0.9923	0.0162	40.435	32.8702	0.9333	0.0099	0.2153
0.84	0.9767	0.0319	0.9777	0.031	33.429401	40.917	-25.947	0	0.9917	0.0163	40.5148	33.1398	0.9321	0.0099	0.2152
0.8402	0.9761	0.0312	0.9771	0.0304	33.633099	40.9357	-26.803	0	0.9912	0.0159	40.5292	33.3382	0.9324	0.0099	0.2146
0.84	0.9775	0.0309	0.9784	0.0302	33.896702	40.9088	-37.966	0	0.9924	0.0154	40.5076	33.5127	0.9362	0.0099	0.2152
0.8401	0.9748	0.0318	0.9758	0.0309	34.210701	40.9292	-48.735	0	0.9897	0.0162	40.5281	33.7432	0.9314	0.0099	0.2145
0.8405	0.9748	0.0323	0.9758	0.0314	34.521702	40.9794	-70.676	0	0.9897	0.0166	40.5687	33.8781	0.9297	0.0099	0.2145
0.8408	0.9729	0.0322	0.974	0.0313	34.749699	41.0309	-70.405	0	0.9877	0.0167	40.5961	34.1108	0.9273	0.0099	0.214
0.8412	0.9709	0.032	0.972	0.0312	34.952301	41.0802	-75.947	0	0.9857	0.0166	40.6297	34.2713	0.9269	0.0099	0.2134
0.8414	0.9698	0.032	0.9709	0.0311	35.161999	41.1109	-96.349	0	0.9844	0.0166	40.6637	34.323	0.9252	0.0099	0.2128
0.8418	0.9681	0.0324	0.9691	0.0316	35.351898	41.181	-102.67	0	0.9829	0.0168	40.7001	34.4633	0.9243	0.0099	0.2122
0.8422	0.9673	0.0319	0.9682	0.0311	35.553101	41.2262	-108.98	0	0.9816	0.0165	40.7506	34.6226	0.9232	0.0099	0.2121
0.8428	0.9641	0.032	0.9651	0.0312	35.7911	41.3145	-120.7	0	0.9783	0.0166	40.8129	34.7728	0.9206	0.0095	0.2113
0.8435	0.9613	0.0324	0.9621	0.0316	36.061699	41.3924	-132.47	0	0.9757	0.0168	40.889	34.9619	0.9182	0.0085	0.2102
0.8438	0.9577	0.0322	0.9586	0.0314	36.2425	41.445	-138.99	0	0.9716	0.017	40.9291	35.098	0.9137	0.0075	0.2093
0.8443	0.954	0.0325	0.9549	0.0317	36.467899	41.5113	-144.19	0	0.9681	0.0172	40.9787	35.291	0.9107	0.0063	0.2079
0.8451	0.9521	0.0322	0.953	0.0314	36.6814	41.6024	-142.36	0	0.9659	0.017	41.0712	35.529	0.9092	0.0059	0.2076
0.8465	0.9488	0.0324	0.9497	0.0316	36.865601	41.7659	-137.86	0	0.9627	0.0171	41.2505	35.7587	0.9052	0.0046	0.2062
0.8478	0.946	0.032	0.9469	0.0313	37.019199	41.9288	-136.26	0	0.9601	0.0166	41.4151	35.9315	0.9038	0.0038	0.2056
0.8486	0.9414	0.0324	0.9423	0.0315	37.191799	42.0168	-138.09	0	0.9555	0.0171	41.5155	36.0999	0.8981	0.0024	0.2041
0.8497	0.938	0.0326	0.939	0.0317	37.341702	42.1615	-141.04	0	0.9519	0.0172	41.6372	36.2307	0.8941	0.0015	0.2032
0.8506	0.9345	0.0321	0.9354	0.0313	37.4818	42.2717	-147.63	0	0.9486	0.0167	41.7561	36.3292	0.8917	0.0003	0.2021
0.8517	0.9308	0.0321	0.9317	0.0312	37.696701	42.3955	-157.09	0	0.9444	0.0168	41.8883	36.4851	0.8879	0	0.2012
0.8521	0.9262	0.0323	0.9271	0.0315	37.935001	42.4446	-167.51	0	0.9395	0.0169	41.9434	36.659	0.8834	0	0.1998
0.8528	0.92	0.0333	0.9209	0.0325	38.201599	42.4521	-179.59	0	0.932	0.0179	42.1039	36.8733	0.8745	0	0.198

31.1913248

STP-0603, SR2000, CAP 3 Preconditioned, TN-20307

Time Sec	Exp O2 Frac	Exp CO2 Frac	Ins O2 Frac	Ins CO2 Frac	Exp Vol Liters	Ins Vol Liters	Exp Prs Pk mmH20	Ins Prs Pk mmH20	Exp Prs Av mmH20	Ins Prs Av mmH20	Exp Time Sec	Ins Time Sec	Exp CO2 Pl Frac	Ins CO2Mi Frac
1.0169	NaN	NaN	NaN	NaN	1.411	1.4438	7.544	-4.5956	2.2137	-2.0879	4.5262	2.1428	0.0045	0.0016
2.068	0.5097	0.0205	0.5822	0.0054	2.3972	2.426	77.6816	-170.385	51.0864	-105.305	1.4909	1.3545	0.029	0
3.019	0.5183	0.049	0.5589	0.0144	2.5724	2.5915	82.0423	-142.139	57.3607	-97.869	1.2667	1.1	0.07	0.0003
4.0531	0.5071	0.0562	0.5557	0.0164	2.5764	2.5893	85.8165	-146.484	59.1448	-100.457	1.2667	1.1	0.0777	0.0006
5.0038	0.553	0.0543	0.6031	0.0153	2.5724	2.5887	87.7018	-149.782	62.6528	-100.77	1.2667	1.1	0.0724	0.001
6.038	0.5993	0.0551	0.6481	0.0162	2.5717	2.5887	91.7898	-154.138	66.6692	-101.446	1.2667	1.1	0.0737	0.0026
7.0059	0.6575	0.0567	0.7093	0.017	2.2451	2.2752	60.2609	-96.1618	46.8832	-64.8631	1.5667	1.325	0.0826	0.0025
8.0903	0.7396	0.0446	0.7802	0.0128	2.2038	2.2559	58.211	-93.3008	45.9556	-62.6034	1.6	1.35	0.0631	0.0015
9.0914	0.8046	0.0424	0.8409	0.0117	2.2052	2.2586	59.4188	-94.701	46.9001	-63.9072	1.6	1.35	0.06	0.001
10.0754	0.8476	0.0429	0.8829	0.0115	2.2092	2.2479	60.7332	-95.5248	47.8831	-64.5371	1.6	1.35	0.0578	0.0007
11.0594	0.878	0.0433	0.9129	0.0114	2.2099	2.2447	62.0072	-96.4291	48.7174	-65.3563	1.6	1.35	0.0579	0.0006
12.0437	0.8993	0.0429	0.9332	0.0114	2.211	2.2431	63.4388	-98.051	49.5085	-66.2333	1.6	1.35	0.0587	0.0005
13.0451	0.9142	0.0431	0.9483	0.0111	2.2104	2.2455	64.3321	-99.6912	50.2726	-67.3433	1.6	1.35	0.0583	0.0004
14.0297	0.9257	0.0424	0.9587	0.011	2.2111	2.2465	65.5183	-101.397	51.107	-68.497	1.6	1.35	0.0578	0.0002
15.0141	0.9322	0.0428	0.9654	0.011	2.2111	2.2465	66.2944	-103.243	51.7836	-69.7016	1.6	1.35	0.0585	0.0002
16.0152	0.9379	0.0421	0.9702	0.0108	2.2111	2.2453	67.2463	-104.74	52.576	-70.8625	1.6	1.35	0.0578	0.0002
17.0998	0.9416	0.0424	0.9741	0.0106	2.2109	2.2461	68.1893	-107.243	53.4317	-72.1638	1.6	1.35	0.0577	0.0001
18.0855	0.9435	0.0424	0.9757	0.0107	2.2111	2.247	69.6627	-109.419	54.2434	-73.8745	1.6	1.35	0.0577	0.0001
19.0701	0.946	0.0415	0.9775	0.0105	2.2111	2.2436	71.0942	-111.286	55.1033	-75.2275	1.6	1.35	0.0576	0.0001
20.0546	0.9478	0.0416	0.9792	0.0104	2.2111	2.2453	72.2475	-114.043	55.99	-77.0466	1.6	1.35	0.0581	0
21.0558	0.9483	0.0418	0.9796	0.0104	2.2111	2.2474	73.7229	-116.335	56.8799	-78.949	1.6	1.35	0.0571	0
22.1567	0.9391	0.0515	0.9776	0.0134	1.7358	1.7563	44.6785	-44.7216	31.2996	-27.9779	2.3714	2.3357	0.0817	0
23.1579	0.9591	0.0317	0.9817	0.0082	1.6569	1.6744	38.7919	-32.5761	27.2598	-19.3416	2.5	2.5	0.0512	-0.0001
24.1423	0.9625	0.0283	0.9822	0.0075	1.6569	1.6746	37.5837	-33.0826	27.0341	-19.3619	2.5	2.5	0.0451	-0.0001
25.1432	0.964	0.0266	0.9822	0.0071	1.6569	1.6738	37.2725	-33.2107	26.7861	-19.4437	2.5	2.5	0.042	-0.0001
26.1441	0.9653	0.0257	0.9828	0.0071	1.6569	1.675	36.6928	-33.3938	26.6912	-19.4391	2.5	2.5	0.041	-0.0001
27.1449	0.9659	0.0247	0.9824	0.0066	1.6569	1.6759	36.1376	-32.8141	26.7019	-19.4608	2.5	2.5	0.0377	-0.0001
28.1459	0.9656	0.0241	0.9814	0.0065	1.6569	1.6753	36.4305	-32.985	26.7733	-19.4655	2.5	2.5	0.0368	-0.0001
29.1466	0.9659	0.0245	0.9822	0.0065	1.6569	1.6747	36.1376	-31.9232	26.7193	-19.5696	2.5	2.5	0.0366	-0.0001
30.1473	0.9662	0.0238	0.9819	0.0064	1.6569	1.6741	35.3321	-32.1917	26.7322	-19.5537	2.5	2.5	0.0361	-0.0001
31.1482	0.9655	0.0238	0.9811	0.0063	1.6569	1.6753	35.8264	-31.8073	26.8391	-19.5879	2.5	2.5	0.0352	-0.0001
32.0326	0.9619	0.0251	0.9794	0.0072	2.4856	2.4883	116.0201	-183.909	80.2128	-123.454	1.39	1.24	0.034	-0.0001
33.0669	0.9407	0.0442	0.9748	0.0131	2.578	2.5865	128.1929	-206.439	86.5366	-138.775	1.2667	1.1	0.0589	0.0001
34.018	0.937	0.0476	0.9739	0.0134	2.5781	2.588	132.0718	-211.878	88.5559	-141.01	1.2667	1.1	0.0615	0.0001
35.0524	0.9354	0.0491	0.9731	0.0135	2.5781	2.581	134.9379	-216.8	90.0615	-142.8	1.2667	1.1	0.0619	0.0002
36.0042	0.9343	0.0492	0.9717	0.0142	2.5781	2.5834	138.1341	-220.665	91.4909	-146.031	1.2667	1.1	0.0638	0.0002
37.0765	0.9343	0.049	0.9702	0.0137	2.2446	2.27	88.5819	-140.327	64.7825	-95.2926	1.5697	1.3273	0.067	0.0001
38.0656	0.945	0.0438	0.976	0.0118	2.2111	2.2492	83.9595	-135.043	63.0768	-91.9824	1.6	1.35	0.0592	0
39.0544	0.9449	0.0436	0.9753	0.0116	2.2111	2.2511	85.6656	-136.753	63.7874	-93.3028	1.6	1.35	0.0574	0
40.0404	0.9427	0.0435	0.9728	0.0115	2.2111	2.2491	86.5845	-138.704	64.5927	-94.7211	1.6	1.35	0.0553	0
41.025	0.9425	0.0437	0.9722	0.0117	2.2111	2.2443	88.5762	-142.157	65.7492	-96.2	1.6	1.35	0.0557	0
42.0094	0.9435	0.0442	0.9733	0.0122	2.2111	2.2434	90.729	-144.182	67.015	-98.3627	1.6	1.35	0.0579	0
43.0111	0.9421	0.0442	0.9712	0.0125	2.2111	2.2433	96.0523	-151.16	70.5627	-103.633	1.6	1.35	0.058	0
44.0981	0.9402	0.0453	0.9684	0.0133	2.2111	2.2463	107.3502	-169.19	77.8361	-115.834	1.6	1.35	0.0585	0
45.0845	0.9409	0.0456	0.9669	0.0138	2.2111	2.2463	127.8603	-188.397	91.6215	-129.597	1.6	1.35	0.0588	0
				0.01125			74.63553	-112.986						

VO2	Stpd VCO2	Stp	VE	Stpd	RR	Spare	InsWB EndT	InsDB End	ExpDB End	ExpWB En	ExpDB End	Time (min)	ExpH2OVa	InsH2OVap	Avg Exh O2
L/M	L/M		L/M		/min		Degree C	Degree C	Degree C	Degree C	Degree C	Min	Ml/min	Ml/min	Frac
0.5	0.4		16.9455		10.7995	0	18.7997	23.3197	23.396	20.0341	23.396	1.0169	420.9393	409.0718	0.6334
3	3.2		56.7631		22.9245	0	22.377701	28.322	31.6316	31.2233	31.6316	2.068	1876.436	1943.753	0.752
3	3.2		65.2154		25.3522	0	21.002199	30.4311	32.2495	31.6797	32.2495	3.019	2077.629	2095.74	0.7626
3	3.2		65.3173		25.3522	0	22.6446	31.9058	32.5207	31.7855	32.5207	4.0531	2186.998	2150.793	0.7691
3	3.2		65.2169		25.3522	0	24.518999	33.3147	32.7763	32.0329	32.7763	5.0038	2336.946	2243.388	0.7751
3	3.2		65.1989		25.3522	0	26.632099	34.9563	33.1898	32.2648	33.1898	6.038	2498.266	2378.366	0.7825
2	1.8		46.955		20.8404	0	25.4886	35.4275	33.1386	31.7689	33.1386	7.0059	1730.279	1559.369	0.7838
2	1.8		44.8231		20.3391	0	23.717199	36.0012	33.1373	31.5397	33.1373	8.0903	1481.043	1336.762	0.7855
2	1.8		44.8524		20.3391	0	22.820499	36.7023	33.3404	31.4412	33.3404	9.0914	1414.452	1276.095	0.789
2	1.8		44.9325		20.3391	0	22.6656	37.2176	33.4128	31.4398	33.4128	10.0754	1399.675	1269.244	0.7912
2	1.8		44.9463		20.3391	0	22.7584	37.7594	33.624	31.7159	33.624	11.0594	1419.971	1281.387	0.7938
2	1.8		44.9706		20.3391	0	22.717699	38.3456	33.9136	32.0336	33.9136	12.0437	1437.911	1280.25	0.7972
2	1.8		44.9568		20.3391	0	22.716801	38.8119	34.0404	32.2017	34.0404	13.0451	1449.979	1279.334	0.7994
2	1.8		44.9708		20.3391	0	22.854099	39.3792	34.2127	32.2978	34.2127	14.0297	1456.967	1287.155	0.802
2	1.8		44.9708		20.3391	0	23.0889	39.9219	34.4419	32.3513	34.4419	15.0141	1461.243	1299.414	0.805
2	1.8		44.9709		20.3391	0	23.354099	40.3808	34.5093	32.3371	34.5093	16.0152	1461.69	1310.694	0.8069
2	1.8		44.9672		20.3391	0	23.697901	40.9218	34.6285	32.311	34.6285	17.0998	1465.451	1325.725	0.8094
2	1.8		44.9709		20.3391	0	24.0993	41.5098	34.8318	32.3357	34.8318	18.0855	1475.136	1347.946	0.8123
2	1.8		44.9709		20.3391	0	24.5231	42.0481	34.8808	32.2533	34.8808	19.0701	1481.268	1368.111	0.8142
2	1.8		44.9709		20.3391	0	24.9928	42.7476	35.059	32.2661	35.059	20.0546	1493.733	1394.485	0.8175
2	1.8		44.9709		20.3391	0	25.579901	43.576	35.2403	32.2429	35.2403	21.0558	1508.559	1425.178	0.821
0.5	0.4		23.4639		13.1913	0	24.711599	40.915	34.5593	32.3442	34.5593	22.1567	797.9857	721.981	0.8102
0.5	0.4		19.8831		12	0	23.519199	39.7027	34.2951	32.4862	34.2951	23.1579	661.7919	565.9771	0.804
0.5	0.4		19.8831		12	0	23.3724	39.5205	34.1752	32.5801	34.1752	24.1423	667.0655	568.7659	0.8025
0.5	0.4		19.8831		12	0	23.400801	39.4181	34.2343	32.7261	34.2343	25.1432	674.7509	575.1407	0.8023
0.5	0.4		19.8831		12	0	23.508101	39.3158	34.1353	32.6701	34.1353	26.1441	678.744	579.9602	0.8014
0.5	0.4		19.8831		12	0	23.682501	39.3515	34.1511	32.7332	34.1511	27.1449	683.9091	586.3176	0.8015
0.5	0.4		19.8831		12	0	23.795401	39.3557	34.117	32.7001	34.117	28.1459	686.9607	591.1252	0.8014
0.5	0.4		19.8831		12	0	23.9753	39.4298	34.0645	32.648	34.0645	29.1466	689.1216	596.7944	0.8013
0.5	0.4		19.8831		12	0	24.122101	39.4955	34.0878	32.6354	34.0878	30.1473	690.7989	601.7452	0.8017
0.5	0.4		19.8831		12	0	24.3209	39.6428	34.077	32.6078	34.077	31.1482	692.7827	607.2906	0.8019
3	3.2		60.8029		24.017	0	26.3631	45.9907	35.8704	32.5677	35.8704	32.0326	2025.955	2024.72	0.8309
3	3.2		65.3569		25.3522	0	30.0889	49.076	37.156	33.0333	37.156	33.0669	2466.824	2577.94	0.8493
3	3.2		65.3605		25.3522	0	31.8498	50.7536	37.9659	33.3066	37.9659	34.018	2636.86	2765.871	0.8592
3	3.2		65.3604		25.3522	0	33.043499	52.1411	38.6639	33.6725	38.6639	35.0524	2759.488	2946.229	0.8673
3	3.2		65.3605		25.3522	0	34.1166	53.4233	39.3661	34.1786	39.3661	36.0042	2909.29	3129.21	0.8752
2	1.8		46.8281		20.7948	0	34.376701	52.2037	39.0016	34.6639	39.0016	37.0765	2189.69	2326.911	0.8693
2	1.8		44.971		20.3391	0	34.227699	52.2727	39.0456	34.8627	39.0456	38.0656	2115.17	2231.974	0.8689
2	1.8		44.971		20.3391	0	34.673302	52.6642	39.2623	35.1416	39.2623	39.0544	2178.598	2302.414	0.8713
2	1.8		44.9709		20.3391	0	35.229198	52.9663	39.4795	35.2836	39.4795	40.0404	2222.611	2364.709	0.8735
2	1.8		44.9709		20.3391	0	35.7509	53.2294	39.6408	35.3722	39.6408	41.025	2266.353	2423.236	0.8751
2	1.8		44.971		20.3391	0	36.302101	53.545	39.8391	35.4825	39.8391	42.0094	2311.906	2484.635	0.8773
2	1.8		44.971		20.3391	0	36.793999	53.8471	40.0418	35.5952	40.0418	43.0111	2357.333	2542.029	0.8791
2	1.8		44.971		20.3391	0	37.3713	53.9682	40.2599	35.6797	40.2599	44.0981	2404.313	2609.387	0.881
2	1.8		44.971		20.3391	0	37.8769	54.0298	40.4218	35.777	40.4218	45.0845	2453.597	2665.817	0.8822

MouthO2T	Mth CO2T	MouthO2\	Mth CO2V	InsWBAvgTp	InsDBAvgTp	VH2o	ExpCO2Mi	InO2TimA\	InCO2Tim/	ExpTpDBA	ExpTpWBA	ExpO2Min	N2TransIm	O2TransImb
Frac	Frac	Frac	Frac	Degree C	Degree C	Ml/min	Frac	Frac	Frac	Degree C	Degree C	Frac	Liters	Liters
0.2004	0.0026	NaN	NaN	19.599199	23.293501	11.8675	0	0.2064	0.0026	24.0987	20.4087	0.1871	0.006	0
0.5464	0.0135	0.546	0.013	27.5947	29.736099	-67.3176	0	0.5775	0.0071	30.3572	27.3456	0.4777	0.2421	0.0764
0.5368	0.033	0.5386	0.0317	27.305	31.0891	-18.1113	0	0.5549	0.0184	31.4686	27.2957	0.4948	0.0135	0.0753
0.5295	0.0376	0.5314	0.0363	27.771	31.8878	36.2046	0	0.5511	0.0208	32.2642	28.0481	0.4834	0.0038	0.0636
0.5761	0.036	0.5781	0.0348	28.439199	32.614201	93.5568	0	0.5983	0.0195	32.9799	28.9924	0.5303	0.0074	0.0998
0.6217	0.0368	0.6237	0.0356	29.316999	33.5214	119.8993	0	0.6434	0.0204	33.8904	29.9697	0.5747	0.0051	0.1368
0.6812	0.0385	0.6834	0.0369	28.211201	33.737999	170.9101	0	0.7047	0.0209	33.9508	29.4848	0.6291	0.0063	0.3499
0.7582	0.0298	0.7599	0.0287	27.1623	33.965	144.2816	0	0.7766	0.0158	34.1179	28.3206	0.7157	0.0078	0.4165
0.8211	0.0282	0.8227	0.0271	26.766001	34.388599	138.3567	0	0.8377	0.0147	34.542	27.9051	0.7806	0.0061	0.4486
0.8639	0.0281	0.8653	0.0272	26.758101	34.659302	130.4309	0	0.8799	0.0144	34.795	27.8306	0.8252	0.0046	0.4695
0.8942	0.0282	0.8955	0.0274	26.9359	34.988499	138.5842	0	0.91	0.0142	35.0955	28.0522	0.8559	0.0071	0.4836
0.9149	0.0281	0.9163	0.0271	27.0231	35.403999	157.661	0	0.9303	0.0142	35.5132	28.2773	0.8757	0.0044	0.493
0.9299	0.028	0.9312	0.0271	27.0882	35.687698	170.6456	0	0.9455	0.0139	35.7746	28.4299	0.8904	0.0051	0.4997
0.9409	0.0277	0.9422	0.0267	27.2292	36.022999	169.8117	0	0.9559	0.0138	36.08	28.5468	0.9011	0.0042	0.5044
0.9475	0.0279	0.9488	0.0269	27.417101	36.399101	161.8298	0	0.9627	0.0138	36.4414	28.6587	0.9076	0.0069	0.5072
0.9527	0.0274	0.954	0.0265	27.565001	36.647099	150.9956	0	0.9675	0.0136	36.6722	28.7132	0.9127	0.0092	0.5097
0.9565	0.0274	0.9578	0.0265	27.7565	36.959999	139.7255	0	0.9714	0.0135	36.9452	28.8017	0.9158	0.0079	0.5111
0.9583	0.0275	0.9596	0.0265	28.012501	37.330601	127.1902	0	0.9731	0.0135	37.3014	28.9493	0.9178	0.0065	0.5121
0.9604	0.027	0.9618	0.026	28.221399	37.575699	113.1565	0	0.9748	0.0134	37.5311	29.0435	0.9196	0.0071	0.5129
0.9621	0.0271	0.9635	0.026	28.5124	37.992401	99.2483	0	0.9766	0.0133	37.9182	29.2163	0.9208	0.008	0.5136
0.9626	0.0271	0.9639	0.0261	28.837799	38.443802	83.3811	0	0.977	0.0133	38.3362	29.4108	0.9216	0.0082	0.5139
0.9571	0.0339	0.9584	0.0325	28.177299	37.250599	76.0048	0	0.9738	0.0177	36.8064	29.2444	0.9078	0.0049	0.8585
0.9696	0.0208	0.9704	0.02	27.3008	36.5518	95.8149	0	0.9794	0.0109	35.9912	28.8195	0.9375	0.0057	0.8714
0.9717	0.0186	0.9723	0.0179	27.2988	36.3353	98.2996	0	0.9801	0.0098	35.8364	28.8722	0.943	0.0061	0.872
0.9725	0.0175	0.9731	0.0168	27.4039	36.296902	99.6102	0	0.9803	0.0093	35.8436	28.9995	0.9455	0.0062	0.8721
0.9735	0.017	0.974	0.0164	27.461599	36.1782	98.7838	0	0.9809	0.0091	35.7363	29.0413	0.9471	0.0063	0.8723
0.9737	0.0161	0.9741	0.0156	27.5762	36.1856	97.5915	0	0.9807	0.0085	35.7666	29.1317	0.9496	0.0064	0.8724
0.9731	0.0157	0.9735	0.0153	27.6562	36.164799	95.8354	0	0.9798	0.0083	35.7382	29.1749	0.9493	0.0062	0.8723
0.9736	0.0159	0.974	0.0155	27.7577	36.1735	92.3273	0	0.9806	0.0084	35.7202	29.2059	0.9503	0.0063	0.8723
0.9736	0.0155	0.974	0.0151	27.8517	36.2057	89.0537	0	0.9803	0.0083	35.7725	29.2441	0.9505	0.0063	0.8723
0.9729	0.0155	0.9733	0.0151	27.957899	36.248798	85.492	0	0.9796	0.0081	35.7914	29.28	0.9503	0.0062	0.8723
0.9694	0.0166	0.9706	0.0162	29.485001	39.423302	1.2353	0	0.9772	0.0091	39.8381	29.6864	0.9347	0.016	0.2268
0.956	0.0294	0.9578	0.0287	31.784599	41.445999	-111.115	0	0.9711	0.0164	42.2678	31.4611	0.9062	0.0104	0.162
0.9538	0.0312	0.9555	0.0305	32.7897	42.630001	-129.012	0	0.97	0.017	43.5219	32.4211	0.9031	0.0084	0.1606
0.9526	0.0319	0.9543	0.0313	33.684601	43.608799	-186.74	0	0.9692	0.017	44.5166	33.1023	0.9022	0.0079	0.1601
0.9513	0.0324	0.953	0.0317	34.554298	44.5798	-219.92	0	0.9677	0.0177	45.4866	33.8652	0.899	0.0074	0.1594
0.9508	0.0324	0.9523	0.0314	34.958099	44.319401	-137.222	0	0.9672	0.0169	44.264	34.2351	0.9029	0.0048	0.3489
0.9592	0.0287	0.9605	0.0278	34.9524	44.379902	-116.804	0	0.9735	0.0146	44.1144	34.2681	0.9161	0.0065	0.3544
0.959	0.0282	0.9601	0.0276	35.375702	44.664299	-123.816	0	0.9729	0.0142	44.4295	34.6706	0.9184	0.0066	0.3546
0.9568	0.0281	0.9578	0.0275	35.745399	44.923801	-142.098	0	0.9706	0.014	44.7114	34.9562	0.9181	0.006	0.354
0.9563	0.0283	0.9573	0.0277	36.0769	45.099701	-156.884	0	0.9699	0.0142	44.9235	35.2257	0.9171	0.0058	0.3537
0.9572	0.0289	0.9584	0.0282	36.4291	45.341801	-172.73	0	0.9709	0.0148	45.1883	35.5101	0.9158	0.0061	0.3538
0.9555	0.0291	0.9567	0.0284	36.753899	45.5681	-184.696	0	0.9689	0.0151	45.4314	35.7873	0.9131	0.0057	0.3533
0.9532	0.0298	0.9543	0.0293	37.115002	45.733799	-205.074	0	0.9662	0.0158	45.7184	36.0761	0.9096	0.005	0.3523
0.9528	0.0302	0.9539	0.0297	37.4091	45.841702	-212.22	0	0.9649	0.0162	45.9131	36.3593	0.9077	0.0052	0.3523
				29.9427159										

STP-0603, SR2000, CAP 3 As Received, TN-20307

Time Sec	Exp O2 Frac	Exp CO2 Frac	Ins O2 Frac	Ins CO2 Frac	Exp Vol Liters	Ins Vol Liters	Exp Prs Pk mmH20	Ins Prs Pk mmH20	Exp Prs Av mmH20	Ins Prs Av mmH20	Exp Time Sec	Ins Time Sec	Exp CO2 Pl Frac
1.0141	NaN	NaN	NaN	NaN	1.4127	1.4462	5.2091	-4.8695	1.7575	-1.9248	4.5262	2.1428	0.0028
2.062	0.4192	0.0194	0.4838	0.0049	2.399	2.427	87.7376	-158.928	57.9044	-111.57	1.4909	1.3545	0.0257
3.011	0.4663	0.0474	0.5037	0.0103	2.5675	2.5995	71.197	-128.345	51.1746	-88.0862	1.2667	1.1	0.0589
4.0445	0.4756	0.0535	0.5196	0.0121	2.5755	2.5913	75.5772	-131.236	53.7848	-90.0103	1.2667	1.1	0.0668
5.0777	0.5275	0.0523	0.5729	0.0112	2.5732	2.5856	79.1454	-133.79	57.0898	-90.8638	1.2667	1.1	0.064
6.0279	0.5783	0.0525	0.6233	0.0122	2.573	2.5897	81.6587	-137.632	58.654	-93.8109	1.2667	1.1	0.0654
7.095	0.6488	0.0537	0.6987	0.0124	2.2365	2.2736	54.3879	-87.069	41.9121	-60.0337	1.5697	1.3273	0.0679
8.0786	0.7321	0.0434	0.7717	0.01	2.2007	2.2548	52.1456	-84.3788	41.3556	-57.8639	1.6	1.35	0.0562
9.0625	0.7888	0.0419	0.8252	0.0095	2.2052	2.2536	53.5478	-86.0556	42.0498	-58.8869	1.6	1.35	0.0548
10.0632	0.8304	0.0419	0.8649	0.0093	2.2061	2.246	54.3935	-87.3772	42.9052	-59.549	1.6	1.35	0.0535
11.0471	0.861	0.042	0.8939	0.0094	2.2068	2.2432	55.4479	-89.3982	43.6108	-60.9836	1.6	1.35	0.0532
12.031	0.8834	0.0423	0.9156	0.0094	2.2073	2.2426	56.5426	-90.8956	44.3174	-62.1833	1.6	1.35	0.0539
13.0314	0.9002	0.0428	0.9323	0.0093	2.2086	2.2421	57.8753	-92.6456	45.136	-63.4413	1.6	1.35	0.0549
14.0153	0.9118	0.0424	0.9434	0.009	2.2078	2.2441	58.6954	-93.5646	45.9319	-64.2747	1.6	1.35	0.0534
15.0994	0.9202	0.0419	0.9509	0.0091	2.2086	2.2432	60.1192	-95.8658	46.6318	-65.3585	1.6	1.35	0.054
16.0834	0.9255	0.0423	0.9562	0.0093	2.2086	2.2407	61.4888	-97.3795	47.6096	-66.4298	1.6	1.35	0.0547
17.0841	0.9288	0.0418	0.959	0.0089	2.2086	2.2406	62.7116	-99.1588	48.474	-67.7967	1.6	1.35	0.0529
18.0681	0.9308	0.0418	0.9609	0.0088	2.2086	2.2433	63.4329	-100.66	49.1258	-69.3455	1.6	1.35	0.0524
19.0523	0.9313	0.0422	0.9614	0.0092	2.2086	2.2433	64.7619	-102.553	49.9307	-70.4508	1.6	1.35	0.0542
20.0531	0.9303	0.0429	0.9608	0.0093	2.2086	2.2433	66.2922	-104.189	50.6464	-71.4217	1.6	1.35	0.0546
21.0372	0.931	0.0429	0.9611	0.0094	2.2086	2.2433	66.6217	-104.995	51.2256	-72.3173	1.6	1.35	0.0546
22.1377	0.9236	0.0508	0.9614	0.0114	1.7372	1.7575	41.7317	-41.413	29.2253	-27.1431	2.3714	2.3357	0.0699
23.1382	0.9429	0.0302	0.965	0.0069	1.6589	1.6762	36.294	-30.7294	25.9288	-19.7016	2.5	2.5	0.0419
24.1387	0.9433	0.0273	0.9632	0.0063	1.6589	1.6762	35.3238	-30.7416	25.9735	-19.596	2.5	2.5	0.0377
25.1392	0.9411	0.0262	0.9604	0.0061	1.6589	1.6762	35.5313	-31.6813	25.9392	-19.6185	2.5	2.5	0.0356
26.1397	0.9385	0.0255	0.957	0.0062	1.6589	1.6762	34.4879	-31.2054	25.7829	-19.7318	2.5	2.5	0.0356
27.1403	0.9353	0.025	0.9537	0.006	1.6589	1.6762	34.9028	-31.3823	25.786	-19.7283	2.5	2.5	0.0344
28.1242	0.932	0.0252	0.9503	0.0061	1.6589	1.6762	34.0729	-31.419	25.6553	-19.7708	2.5	2.5	0.0347
29.1247	0.9302	0.0243	0.948	0.0058	1.6589	1.6762	33.9082	-30.9735	25.6851	-19.6959	2.5	2.5	0.0325
30.1253	0.9264	0.0246	0.9443	0.0061	1.6589	1.6762	34.3475	-31.6813	25.6916	-19.7589	2.5	2.5	0.034
31.1259	0.9239	0.0242	0.9415	0.0059	1.6589	1.6762	34.0729	-31.48	25.6118	-19.7121	2.5	2.5	0.0327
32.0105	0.9163	0.0257	0.9338	0.0062	2.4856	2.4892	103.0648	-162.757	72.2243	-110.287	1.39	1.24	0.0326
33.0452	0.8948	0.0448	0.9266	0.0113	2.5785	2.5889	112.0507	-180.872	77.329	-122.813	1.2667	1.1	0.0568
34.0797	0.9	0.0488	0.9345	0.0118	2.5785	2.5893	113.2476	-182.298	78.2751	-123.11	1.2667	1.1	0.0606
35.0307	0.9067	0.05	0.9419	0.0122	2.5785	2.5807	115.6158	-182.182	79.0356	-123.341	1.2667	1.1	0.0614
36.065	0.9117	0.0501	0.9467	0.0124	2.578	2.5832	117.8381	-183.199	79.9524	-125.111	1.2667	1.1	0.0626
37.0325	0.9131	0.0526	0.949	0.0131	2.247	2.2685	77.5576	-119.189	57.0947	-82.8692	1.5667	1.325	0.0663
38.0167	0.9224	0.0444	0.9516	0.0109	2.2086	2.2464	73.2704	-116.176	55.3866	-79.9952	1.6	1.35	0.0563
39.0175	0.9209	0.0442	0.9498	0.0109	2.2086	2.2483	74.1088	-117.589	55.7734	-81.0177	1.6	1.35	0.0552
40.0017	0.9189	0.0435	0.9467	0.0113	2.2086	2.2471	74.636	-118.984	56.1685	-81.8179	1.6	1.35	0.056
41.0857	0.9155	0.0443	0.9438	0.0113	2.2086	2.243	75.3962	-119.287	56.6514	-82.1673	1.6	1.35	0.056
42.07	0.9127	0.0441	0.9403	0.0116	2.2086	2.2408	75.7234	-120.643	57.2893	-82.8233	1.6	1.35	0.0561
43.0711	0.9083	0.0445	0.9359	0.0117	2.2086	2.2404	77.8798	-123	58.2202	-84.3026	1.6	1.35	0.057
44.0553	0.903	0.0455	0.9308	0.0122	2.2086	2.2433	81.4897	-128.283	60.6945	-88.0426	1.6	1.35	0.057
45.0396	0.8991	0.0454	0.9257	0.0125	2.2086	2.2436	88.0138	-136.667	64.4722	-94.0223	1.6	1.35	0.057
46.0404	0.8951	0.0451	0.9182	0.0132	2.2086	2.244	112.9865	-163.61	80.3769	-115.078	1.6	1.35	0.0575
				0.00961			66.9185	-101.857					

Ins CO2Mi	VO2	Stpd VCO2	Stp(VE	Stpd RR	Spare	InsWB End	InsDB End	ExpDB End	ExpWB En(	ExpDB End	Time (min)	ExpH2OVa	InsH2OVap
Frac	L/M	L/M	L/M	/min		Degree C	Degree C	Degree C	Degree C	Degree C	Min	Ml/min	Ml/min
0.0012	0.5	0.4	16.9665	10.7995	0	19.7805	23.329	24.3462	21.6805	24.3462	1.0141	446.5882	462.1367
0.0001	3	3.2	56.8001	22.9245	0	21.3399	28.1345	31.4128	30.7653	31.4128	2.062	1824.978	1888.006
0	3	3.2	65.0916	25.3522	0	19.9633	30.5189	31.8413	30.7671	31.8413	3.011	1947.929	1950.231
0.0003	3	3.2	65.2951	25.3522	0	21.9304	32.1443	32.238	30.9474	32.238	4.0445	2076.703	2008.35
0.0007	3	3.2	65.2375	25.3522	0	24.0796	33.9196	32.7193	31.3091	32.7193	5.0777	2234.382	2125.388
0.0017	3	3.2	65.2303	25.3522	0	25.8345	35.788	33.3039	31.8166	33.3039	6.0279	2388.64	2268.052
0.0014	2	1.8	46.6557	20.7948	0	24.839	36.2486	33.4637	32.0833	33.4637	7.095	1708.055	1529.358
0.0007	2	1.8	44.7609	20.3391	0	22.9379	37.0179	33.6874	32.1202	33.6874	8.0786	1519.727	1315.749
0.0004	2	1.8	44.8521	20.3391	0	22.4133	37.7943	33.95	32.1662	33.95	9.0625	1480.87	1281.86
0.0003	2	1.8	44.8691	20.3391	0	29.392	38.4804	34.2027	32.9711	34.2027	10.0632	1893.442	1821.546
0.0002	2	1.8	44.8833	20.3391	0	25.739	39.0866	34.3824	30.1406	34.3824	11.0471	1494.362	1387.74
0.0002	2	1.8	44.895	20.3391	0	25.7447	39.7097	34.6251	29.8447	34.6251	12.031	1401.438	1347.165
0.0001	2	1.8	44.9213	20.3391	0	26.2258	40.3803	34.8473	30.1666	34.8473	13.0314	1423.09	1367.104
0.0001	2	1.8	44.9055	20.3391	0	26.2854	41.0364	35.044	30.9734	35.044	14.0153	1455.003	1387.159
0	2	1.8	44.9214	20.3391	0	26.5026	41.7665	35.3012	30.9711	35.3012	15.0994	1464.869	1400.557
0	2	1.8	44.9215	20.3391	0	26.8693	42.5334	35.5409	31.1467	35.5409	16.0834	1489.649	1426.034
0	2	1.8	44.9215	20.3391	0	27.204	43.3039	35.7516	31.4379	35.7516	17.0841	1520.59	1452.058
-0.0001	2	1.8	44.9215	20.3391	0	27.6008	44.1347	35.9953	31.6699	35.9953	18.0681	1547.955	1482.331
-0.0001	2	1.8	44.9215	20.3391	0	28.089	44.9886	36.3178	32.0696	36.3178	19.0523	1594.621	1531.401
-0.0001	2	1.8	44.9215	20.3391	0	28.5748	45.8958	36.6908	32.4777	36.6908	20.0531	1643.37	1580.806
0	2	1.8	44.9215	20.3391	0	29.025	46.7821	37.0503	32.8101	37.0503	21.0372	1685.157	1622.056
-0.0001	0.5	0.4	23.4772	13.1913	0	27.7358	44.1877	36.4603	33.1741	36.4603	22.1377	887.7945	825.4979
-0.0002	0.5	0.4	19.9069	12	0	26.4469	43.0757	36.0011	33.0607	36.0011	23.1382	723.6006	646.3403
-0.0002	0.5	0.4	19.9069	12	0	26.2299	42.8493	35.8579	32.9282	35.8579	24.1387	713.0424	638.5036
-0.0002	0.5	0.4	19.9069	12	0	26.2015	42.6421	35.7498	32.8437	35.7498	25.1392	710.1793	637.757
-0.0002	0.5	0.4	19.9069	12	0	26.1746	42.5056	35.6366	32.7427	35.6366	26.1397	707.5237	637.2075
-0.0002	0.5	0.4	19.9069	12	0	26.1589	42.4399	35.466	32.6133	35.466	27.1403	704.9764	636.6857
-0.0001	0.5	0.4	19.9069	12	0	26.2133	42.2235	35.3545	32.5044	35.3545	28.1242	704.0859	638.1882
-0.0001	0.5	0.4	19.9069	12	0	26.2985	42.2343	35.3678	32.5186	35.3678	29.1247	705.6208	640.9296
-0.0002	0.5	0.4	19.9069	12	0	26.3009	42.0728	35.2687	32.4294	35.2687	30.1253	704.1796	642.5239
-0.0002	0.5	0.4	19.9069	12	0	26.3648	41.9339	35.1556	32.3395	35.1556	31.1259	702.546	644.4835
-0.0001	3	3.2	60.8002	24.017	0	28.007	47.1212	36.4292	32.2727	36.4292	32.0105	2140.172	2098.869
0	3	3.2	65.3707	25.3522	0	30.3789	49.568	37.7337	33.0686	37.7337	33.0452	2523.534	2601.693
0	3	3.2	65.3708	25.3522	0	31.7494	50.8547	38.659	33.816	38.659	34.0797	2727.717	2839.353
0.0001	3	3.2	65.371	25.3522	0	32.9432	51.7797	39.3707	34.3747	39.3707	35.0307	2887.044	3038.007
0.0001	3	3.2	65.3577	25.3522	0	33.8601	52.756	40.0048	34.8377	40.0048	36.065	3033.125	3187.676
0.0001	2	1.8	46.9953	20.8404	0	34.0847	51.4618	39.7047	35.0791	39.7047	37.0325	2245.467	2315.256
0	2	1.8	44.9216	20.3391	0	34.0904	51.3889	39.5959	34.7576	39.5959	38.0167	2159.319	2194.468
0.0001	2	1.8	44.9215	20.3391	0	33.5814	51.5662	39.6179	34.8286	39.6179	39.0175	2102.241	2193.54
0.0001	2	1.8	44.9215	20.3391	0	34.518	51.6505	39.6663	35.0473	39.6663	40.0017	2190.031	2294.677
0	2	1.8	44.9215	20.3391	0	35.1825	51.758	39.708	35.1662	39.708	41.0857	2241.024	2371.615
0.0001	2	1.8	44.9215	20.3391	0	35.7524	51.9751	39.8106	35.3016	39.8106	42.07	2297.75	2446.11
0.0001	2	1.8	44.9215	20.3391	0	36.1018	52.2138	39.9324	35.4484	39.9324	43.0711	2348.455	2508.327
0.0001	2	1.8	44.9215	20.3391	0	36.5057	52.5274	40.0982	35.5611	40.0982	44.0553	2387.565	2562.137
0.0001	2	1.8	44.9215	20.3391	0	36.9067	52.7011	40.1916	35.6368	40.1916	45.0396	2423.083	2608.39
0.0001	2	1.8	44.9215	20.3391	0	37.1965	52.7535	40.2799	35.6695	40.2799	46.0404	2454.089	2637.558

Avg Exh O2	MouthO2T	Mth CO2T	MouthO2\	Mth CO2V	InsWBAvgTp	InsDBAvgT	VH2o	ExpCO2Mi	InO2TimA\	InCO2Tim/	ExpTpDBA	ExpTpWBA	ExpO2Min	N2TransIm	O2TransImb
Frac	Frac	Frac	Frac	Frac	Degree C	Degree C	Ml/min	Frac	Frac	Frac	Degree C	Degree C	Frac	Liters	Liters
0.6367	0.1819	0.0019	NaN	NaN	20.714701	23.6671	-15.5484	0	0.1813	0.002	24.5338	20.9276	0.174	0.0054	0
0.7505	0.452	0.0125	0.4515	0.0121	27.2314	29.5358	-63.0283	0	0.4815	0.0063	30.1512	27.0867	0.3968	0.3282	0.0947
0.7609	0.4839	0.0297	0.485	0.0289	26.328899	30.9299	-2.303	0	0.5002	0.0139	31.2584	26.3984	0.4497	0.0911	0.1333
0.7686	0.4962	0.0337	0.4976	0.0328	26.8557	31.8692	68.3524	0	0.5154	0.0162	32.1956	27.3101	0.4573	0.0047	0.1392
0.7769	0.5486	0.0326	0.5502	0.0317	27.742599	32.8768	108.9939	0	0.5685	0.0151	33.1957	28.3821	0.5092	0.0081	0.1854
0.786	0.5991	0.0333	0.6008	0.0324	28.727501	33.9798	120.5882	0	0.6187	0.0163	34.3152	29.3918	0.5574	0.0071	0.2264
0.7882	0.6721	0.034	0.6738	0.0331	28.0916	34.298	178.6975	0	0.6944	0.0159	34.4917	29.4124	0.6284	0.0058	0.4529
0.7917	0.7504	0.0275	0.7519	0.0267	27.0669	34.764	203.9782	0	0.7681	0.0128	34.8901	28.6602	0.7117	0.0085	0.5194
0.7958	0.8056	0.0265	0.807	0.0257	26.8943	35.2657	199.0092	0	0.822	0.0123	35.3763	28.4597	0.7682	0.0054	0.548
0.7993	0.8464	0.0263	0.8476	0.0256	30.7052	35.7041	71.8964	0	0.8619	0.012	35.8021	31.2409	0.8104	0.0063	0.5685
0.8024	0.8763	0.0264	0.8775	0.0257	27.882799	36.0845	106.6226	0	0.8911	0.0121	36.1705	28.6247	0.8412	0.0054	0.5827
0.8055	0.8984	0.0266	0.8995	0.0259	27.6887	36.4757	54.2728	0	0.9129	0.0122	36.5363	28.1156	0.8622	0.0051	0.5927
0.8088	0.9151	0.0269	0.9163	0.0261	27.933001	36.8929	55.9863	0	0.9295	0.0122	36.9288	28.3617	0.878	0.0066	0.6003
0.8122	0.9266	0.0264	0.9276	0.0257	28.1835	37.309	67.8443	0	0.9409	0.0117	37.3252	28.6881	0.891	0.0036	0.6053
0.8159	0.9345	0.0263	0.9355	0.0255	28.3834	37.7699	64.3118	0	0.9483	0.0119	37.8022	28.8602	0.8979	0.0037	0.6086
0.8196	0.9397	0.0266	0.9408	0.0258	28.672501	38.2293	63.615	0	0.9536	0.0121	38.2291	29.1295	0.9023	0.0062	0.6111
0.8233	0.9429	0.0261	0.9439	0.0254	28.9648	38.7074	68.532	0	0.9566	0.0116	38.6611	29.4392	0.9067	0.0073	0.6124
0.8273	0.9449	0.0259	0.9459	0.0253	29.2854	39.1994	65.6247	0	0.9585	0.0115	39.1467	29.7302	0.9087	0.008	0.6132
0.8317	0.9453	0.0264	0.9464	0.0257	29.740601	39.7439	63.2199	0	0.9589	0.0119	39.6849	30.1574	0.9075	0.0086	0.6137
0.8364	0.9445	0.0268	0.9456	0.0261	30.197399	40.337	62.564	0	0.9584	0.0121	40.2528	30.595	0.907	0.0084	0.6133
0.8411	0.9451	0.0269	0.9461	0.0262	30.585501	40.9073	63.1012	0	0.9587	0.0121	40.8117	30.9765	0.9081	0.0085	0.6134
0.8309	0.9419	0.0317	0.9425	0.0311	30.0166	39.8727	62.2966	0	0.958	0.0151	39.2469	30.7618	0.8995	0.0053	0.9596
0.8236	0.9536	0.0189	0.9539	0.0186	29.0914	39.0795	77.2604	0	0.9629	0.0091	38.2786	30.1287	0.9263	0.0063	0.9729
0.8224	0.953	0.0171	0.9532	0.0168	28.928801	38.9106	74.5388	0	0.9614	0.0083	38.1463	29.9409	0.9279	0.0064	0.9732
0.8213	0.9506	0.0163	0.9507	0.0161	28.8885	38.7811	72.4223	0	0.9588	0.0079	38.0164	29.8702	0.9267	0.006	0.9727
0.8204	0.9476	0.0161	0.9478	0.0159	28.851999	38.6544	70.3162	0	0.9553	0.008	37.922	29.8099	0.9231	0.0054	0.9722
0.8191	0.9444	0.0157	0.9445	0.0155	28.813499	38.5173	68.2907	0	0.9521	0.0078	37.7749	29.74	0.9208	0.005	0.9717
0.8179	0.941	0.0159	0.9411	0.0156	28.805901	38.3707	65.8978	0	0.9486	0.0079	37.6225	29.6946	0.9167	0.0044	0.9712
0.8178	0.9391	0.0152	0.9391	0.015	28.8451	38.3456	64.6913	0	0.9465	0.0074	37.6099	29.7158	0.9168	0.0039	0.9707
0.8169	0.9352	0.0156	0.9353	0.0153	28.845501	38.2288	61.6557	0	0.9427	0.0078	37.5199	29.6747	0.9113	0.0034	0.9702
0.8158	0.9326	0.0152	0.9327	0.015	28.8491	38.0993	58.0625	0	0.94	0.0075	37.3726	29.6186	0.91	0.0029	0.9697
0.8377	0.9242	0.0162	0.925	0.0159	29.955799	40.4109	41.3032	0	0.9318	0.008	40.5631	30.2442	0.8931	0.0073	0.3217
0.8542	0.9093	0.0287	0.9107	0.0281	31.877399	42.1695	-78.1594	0	0.9231	0.0146	42.8083	31.6663	0.865	0.0006	0.2546
0.8634	0.9159	0.0308	0.9173	0.0303	33.0518	43.2473	-111.637	0	0.9309	0.0153	43.9473	32.7271	0.8714	0.0037	0.2574
0.8701	0.923	0.0316	0.9243	0.0311	33.970402	44.0531	-150.962	0	0.9382	0.0157	44.7659	33.5076	0.8774	0.0077	0.2614
0.8766	0.9278	0.0319	0.9292	0.0313	34.672699	44.8519	-154.551	0	0.943	0.016	45.5485	34.2072	0.8816	0.0061	0.2637
0.8711	0.9299	0.0335	0.931	0.0328	34.7239	44.5586	-69.7889	0	0.9461	0.0162	44.4717	34.3638	0.886	0.001	0.4435
0.8698	0.936	0.0283	0.937	0.0277	34.629299	44.4699	-35.1498	0	0.9493	0.0136	44.2549	34.4022	0.8973	0.0037	0.4692
0.8704	0.9345	0.0281	0.9353	0.0276	34.637299	44.5557	-91.2998	0	0.9476	0.0134	44.3427	34.1004	0.8972	0.0031	0.4687
0.871	0.9319	0.028	0.9328	0.0274	35.1912	44.6162	-104.646	0	0.9445	0.0139	44.4293	34.5988	0.8935	0.0021	0.4675
0.8718	0.9288	0.0284	0.9296	0.0278	35.6087	44.6978	-130.591	0	0.9416	0.0139	44.5369	34.8919	0.8911	0.001	0.4664
0.8729	0.9256	0.0285	0.9265	0.0278	36.015099	44.8313	-148.359	0	0.9382	0.0142	44.6735	35.2167	0.8874	0.0001	0.465
0.8742	0.9212	0.0287	0.9221	0.0281	36.357899	44.9983	-159.872	0	0.9337	0.0143	44.8182	35.5069	0.8828	0	0.4634
0.8759	0.9162	0.0293	0.9169	0.0288	36.658699	45.1954	-174.571	0	0.9288	0.0146	45.0397	35.7458	0.879	0	0.4612
0.8772	0.9116	0.0294	0.9124	0.0289	36.9086	45.3257	-185.308	0	0.9238	0.0149	45.2387	35.9603	0.8738	0	0.4593
0.8779	0.9058	0.0296	0.9067	0.0291	37.0509	45.3131	-183.47	0	0.9165	0.0155	45.4153	36.1465	0.865	0	0.4568
					30.6312844										

ST{-0603, SR2000, CAP 3 As Received, TN-20307

Time Sec	Exp O2 Frac	Exp CO2 Frac	Ins O2 Frac	Ins CO2 Frac	Exp Vol Liters	Ins Vol Liters	Exp Prs Pk mmH20	Ins Prs Pk mmH20	Exp Prs Av mmH20	Ins Prs Av mmH20	Exp Time Sec	Ins Time Sec	Exp CO2 Pl Frac	Ins CO2Mi Frac
1.0166	NaN	NaN	NaN	NaN	1.4136	1.4463	5.2244	-4.6464	1.5945	-1.8125	4.5262	2.1428	0.0061	0.0019
2.0671	0.4524	0.0215	0.5231	0.0044	2.4007	2.4299	65.2449	-164.949	48.2967	-115.498	1.4909	1.3545	0.0306	0
3.0175	0.4947	0.049	0.5393	0.0105	2.5696	2.6012	76.534	-134.837	54.856	-92.1312	1.2667	1.1	0.0694	0.0001
4.0515	0.4984	0.0562	0.5512	0.012	2.5777	2.5951	80.5073	-138.055	57.1646	-94.2762	1.2667	1.1	0.0759	0.0002
5.0022	0.5472	0.0533	0.5994	0.0108	2.575	2.5921	82.9532	-142.76	60.4591	-95.2092	1.2667	1.1	0.0714	0.0006
6.0364	0.596	0.0544	0.6484	0.0119	2.5755	2.5903	85.8638	-147.07	62.1587	-98.3222	1.2667	1.1	0.0747	0.0015
7.0038	0.661	0.0556	0.7166	0.0125	2.24	2.2789	57.5229	-92.4086	44.4071	-62.7659	1.5667	1.325	0.0788	0.0013
8.0879	0.7477	0.0447	0.7907	0.0097	2.2025	2.2537	55.1768	-88.6067	43.4823	-59.9685	1.6	1.35	0.0632	0.0008
9.0887	0.8101	0.0432	0.8493	0.0091	2.2066	2.2517	55.5166	-89.3808	44.0101	-60.703	1.6	1.35	0.0599	0.0005
10.073	0.8523	0.0425	0.8896	0.009	2.2074	2.2476	56.9591	-91.1052	44.8197	-61.7137	1.6	1.35	0.0584	0.0004
11.057	0.8803	0.0439	0.9181	0.0089	2.2081	2.2438	58.4967	-92.0278	45.6613	-62.5022	1.6	1.35	0.0587	0.0003
12.058	0.8987	0.0441	0.9364	0.0091	2.2087	2.2429	59.5292	-93.1957	46.4311	-63.4068	1.6	1.35	0.0593	0.0002
13.042	0.9132	0.0441	0.9506	0.0094	2.2095	2.2429	60.2065	-94.5357	47.1437	-64.2967	1.6	1.35	0.0625	0.0001
14.026	0.9231	0.0442	0.9606	0.0093	2.2095	2.245	61.2133	-96.154	47.8682	-65.3264	1.6	1.35	0.0627	0.0001
15.011	0.9305	0.0436	0.9671	0.0088	2.2091	2.2465	62.7254	-98.0138	48.6147	-66.5126	1.6	1.35	0.06	0
16.011	0.9356	0.0435	0.9717	0.0089	2.2095	2.2443	63.6736	-99.6723	49.3031	-67.7469	1.6	1.35	0.0603	0
17.096	0.9392	0.0439	0.9756	0.0087	2.2095	2.2435	64.9287	-101.421	50.0824	-69.1943	1.6	1.35	0.0597	0
18.08	0.942	0.0436	0.9778	0.0087	2.2095	2.2428	65.9252	-103.59	51.0528	-70.5714	1.6	1.35	0.0588	0
19.064	0.9435	0.0439	0.9795	0.009	2.2095	2.2429	67.2762	-105.955	51.7909	-71.91	1.6	1.35	0.0603	0
20.065	0.9443	0.0443	0.9805	0.0091	2.2095	2.244	68.4258	-107.244	52.4733	-73.1141	1.6	1.35	0.0612	0
21.049	0.9454	0.044	0.9809	0.0093	2.2095	2.2443	69.3447	-108.492	53.0571	-74.0995	1.6	1.35	0.0609	0
22.15	0.9367	0.0538	0.9779	0.0132	1.7382	1.759	41.8307	-42.7681	29.7497	-27.2136	2.3714	2.3357	0.0838	0
23.15	0.9583	0.0328	0.9819	0.0081	1.66	1.6779	37.1645	-32.2998	26.3027	-19.2293	2.5	2.5	0.0529	-0.0001
24.151	0.9615	0.0299	0.9824	0.008	1.66	1.6779	35.5841	-32.3425	26.0643	-19.2002	2.5	2.5	0.0491	-0.0001
25.151	0.9628	0.0286	0.9825	0.0075	1.66	1.6775	35.8525	-32.3059	26.0004	-19.1009	2.5	2.5	0.0458	-0.0001
26.152	0.9629	0.0276	0.9822	0.0074	1.66	1.6761	34.7664	-31.6896	25.8233	-19.0242	2.5	2.5	0.0439	-0.0002
27.153	0.9637	0.0272	0.9822	0.0072	1.66	1.6772	34.6138	-32.3913	25.819	-19.0359	2.5	2.5	0.0429	-0.0001
28.153	0.9641	0.0271	0.9825	0.0071	1.66	1.6779	34.4125	-32.2021	25.7455	-19.0066	2.5	2.5	0.0409	-0.0001
29.154	0.9647	0.0267	0.9829	0.0072	1.66	1.6779	34.2599	-31.9703	25.6984	-19.0104	2.5	2.5	0.0416	-0.0001
30.154	0.9649	0.0261	0.9827	0.007	1.66	1.6779	33.8999	-31.5553	25.7003	-18.9511	2.5	2.5	0.0402	-0.0001
31.155	0.965	0.0258	0.9821	0.007	1.66	1.6779	33.2958	-31.9947	25.6943	-18.9475	2.5	2.5	0.0397	-0.0001
32.023	0.9617	0.0263	0.9835	0.0064	2.4882	2.4917	105.3741	-164.292	73.9486	-111.462	1.39	1.24	0.0366	-0.0001
33.057	0.9388	0.0472	0.9798	0.0116	2.5805	2.5894	115.6149	-184.318	79.7525	-124.823	1.2667	1.1	0.0643	0.0001
34.008	0.9359	0.0509	0.9799	0.0123	2.5806	2.5912	117.8043	-187.203	81.2877	-126.344	1.2667	1.1	0.0681	0.0001
35.043	0.9349	0.0522	0.9799	0.0123	2.5806	2.5862	120.5433	-190.012	82.3556	-127.982	1.2667	1.1	0.0681	0.0001
36.077	0.9333	0.0529	0.9785	0.0131	2.5806	2.5847	122.9034	-192.806	83.6926	-130.147	1.2667	1.1	0.071	0.0001
37.045	0.9321	0.0554	0.9761	0.0138	2.2481	2.2707	80.4453	-123.316	59.1046	-85.0627	1.5667	1.325	0.0767	0.0001
38.046	0.9404	0.0468	0.9765	0.012	2.2095	2.248	75.4405	-118.381	56.7953	-81.3241	1.6	1.35	0.0676	0
39.03	0.9408	0.0463	0.9761	0.0114	2.2095	2.2525	75.7737	-118.644	57.1687	-82.0918	1.6	1.35	0.0624	0
40.015	0.9402	0.0457	0.9748	0.011	2.2095	2.2434	77.6226	-119.732	57.9676	-82.8302	1.6	1.35	0.0586	0
41.099	0.9384	0.0464	0.9732	0.0114	2.2095	2.242	79.9694	-122.416	59.7418	-85.4155	1.6	1.35	0.0607	0
42	0.9358	0.0471	0.9704	0.0123	2.2095	2.2409	84.8265	-128.029	62.5851	-89.2499	1.6	1.35	0.0629	0
43.084	0.9331	0.0474	0.9669	0.0127	2.2095	2.2403	91.7449	-138.398	67.7783	-97.2352	1.6	1.35	0.0627	0.0001
44.069	0.9302	0.048	0.9639	0.013	2.2095	2.2448	98.579	-147.417	71.7518	-104.5	1.6	1.35	0.0631	0.0001
			0.00995				67.97859	-102.167						
			0.99452											
							170.1454							

VO2	Stpd	VCO2	Stp(	VE	Stpd	RR	Spare	InsWB End	InsDB End	ExpDB End	ExpWB En	ExpDB End	Time (min)	ExpH2OVa	InsH2OVap	Avg Exh O2
L/M		L/M		L/M		/min		Degree C	Degree C	Degree C	Degree C	Degree C	Min	Ml/min	Ml/min	Frac
	0.5		0.4	16.9766		10.7995	0	19.4991	23.0465	24.6372	22.4665	24.6372	1.0166	452.701	471.6533	0.6363
	3		3.2	56.8406		22.9245	0	21.4776	27.9965	31.6552	31.5225	31.6552	2.0671	1845.313	1897.729	0.751
	3		3.2	65.1446		25.3522	0	19.8488	30.5381	32.2121	31.7358	32.2121	3.0175	1992.529	1961.481	0.7625
	3		3.2	65.3501		25.3522	0	21.8182	32.2104	32.5711	31.9089	32.5711	4.0515	2131.671	2024.735	0.77
	3		3.2	65.2808		25.3522	0	23.9074	33.787	32.8832	32.0905	32.8832	5.0022	2276.375	2133.187	0.777
	3		3.2	65.2937		25.3522	0	28.9493	35.4717	33.2993	32.6483	33.2993	6.0364	2705.124	2626.805	0.7848
	2		1.8	46.8532		20.8404	0	28.973	35.79	33.2675	32.624	33.2675	7.0038	2008.996	1892.049	0.7857
	2		1.8	44.7969		20.3391	0	24.2432	36.4279	33.4069	31.7838	33.4069	8.0879	1514.389	1313.024	0.7884
	2		1.8	44.88		20.3391	0	23.8683	37.2271	33.5486	31.6311	33.5486	9.0887	1461.802	1267.846	0.7919
	2		1.8	44.8968		20.3391	0	24.0065	37.7743	33.6764	31.6382	33.6764	10.0729	1459.915	1269.703	0.7944
	2		1.8	44.9098		20.3391	0	24.3238	38.364	33.949	31.8868	33.949	11.057	1481.466	1295.497	0.7977
	2		1.8	44.922		20.3391	0	24.5894	38.9498	34.2571	32.2268	34.2571	12.0577	1509.698	1324.578	0.801
	2		1.8	44.9395		20.3391	0	24.6533	39.5439	34.4688	32.4588	34.4688	13.0419	1520.26	1341.55	0.804
	2		1.8	44.9396		20.3391	0	24.73	40.1042	34.6671	32.5847	34.6671	14.0264	1522.257	1360.011	0.8068
	2		1.8	44.9318		20.3391	0	24.8744	40.7109	34.8144	32.6681	34.8144	15.0108	1525.889	1379.489	0.8096
	2		1.8	44.9396		20.3391	0	25.1221	41.3225	34.9781	32.6662	34.9781	16.0115	1530.972	1399.74	0.8125
	2		1.8	44.9396		20.3391	0	25.3594	42.0221	35.1727	32.6911	35.1727	17.0961	1539.788	1418.792	0.8158
	2		1.8	44.9396		20.3391	0	25.9521	42.8265	35.411	32.7291	35.411	18.0802	1562.849	1447.647	0.8195
	2		1.8	44.9397		20.3391	0	26.3636	43.542	35.6133	32.7083	35.6133	19.0642	1568.781	1465.68	0.8232
	2		1.8	44.9397		20.3391	0	27.4417	44.1991	35.7945	32.6662	35.7945	20.0649	1604.34	1497.232	0.8265
	2		1.8	44.9397		20.3391	0	27.6912	44.9336	35.9863	32.6188	35.9863	21.0489	1616.414	1509.329	0.8296
	0.5		0.4	23.491		13.1913	0	25.7959	42.321	35.3818	32.7886	35.3818	22.1496	826.002	751.9462	0.8192
	0.5		0.4	19.9199		12	0	24.0952	41.0917	35.0615	32.7916	35.0615	23.15	671.2964	573.0727	0.8128
	0.5		0.4	19.9199		12	0	23.8546	40.9069	35.1248	33.03	35.1248	24.1506	674.3168	571.5156	0.8123
	0.5		0.4	19.9199		12	0	23.7946	40.7555	35.109	33.2588	35.109	25.1511	685.5172	576.5663	0.8114
	0.5		0.4	19.9199		12	0	23.8104	40.5707	35.0499	33.3022	35.0499	26.1517	690.8216	580.249	0.8106
	0.5		0.4	19.9199		12	0	23.8025	40.5183	35.1264	33.408	35.1264	27.1526	696.4238	584.4323	0.8107
	0.5		0.4	19.9199		12	0	23.9003	40.4084	35.0349	33.3085	35.0349	28.1532	697.1672	587.7336	0.8099
	0.5		0.4	19.9199		12	0	23.9761	40.3577	35.0657	33.329	35.0657	29.1537	698.1107	590.7589	0.8098
	0.5		0.4	19.9199		12	0	24.0637	40.3261	35.0108	33.2454	35.0108	30.1542	697.2366	593.8172	0.8095
	0.5		0.4	19.9199		12	0	24.1008	40.2104	34.9941	33.2225	34.9941	31.1548	697.3297	596.4603	0.8091
	3		3.2	60.8659		24.017	0	26.356	45.4849	36.4027	32.9962	36.4027	32.0226	2058.134	2021.081	0.8322
	3		3.2	65.421		25.3522	0	29.7553	47.8181	37.4172	33.4725	37.4172	33.0571	2521.703	2606.405	0.8466
	3		3.2	65.4251		25.3522	0	31.4489	48.9893	38.0446	33.8002	38.0446	34.0082	2703.177	2824.078	0.8537
	3		3.2	65.4251		25.3522	0	32.7558	49.7628	38.4996	34.0553	38.4996	35.0428	2850.829	3005.154	0.8589
	3		3.2	65.4251		25.3522	0	33.9989	50.5559	38.967	34.3612	38.967	36.0773	3004.01	3189.53	0.8639
	2		1.8	47.0172		20.8404	0	34.0904	49.1404	38.6392	34.6993	38.6392	37.0451	2246.885	2362.07	0.8581
	2		1.8	44.9398		20.3391	0	33.1567	48.9642	38.5293	34.6605	38.5293	38.0461	2090.464	2155.397	0.8562
	2		1.8	44.9398		20.3391	0	34.1179	49.1285	38.6651	34.9858	38.6651	39.0305	2180.327	2275.355	0.8574
	2		1.8	44.9398		20.3391	0	34.7632	49.1719	38.7281	35.1889	38.7281	40.0148	2252.32	2361.664	0.8578
	2		1.8	44.9398		20.3391	0	35.5394	49.3022	38.826	35.3676	38.826	41.0991	2324.348	2454.063	0.8586
	2		1.8	44.9398		20.3391	0	36.2178	49.4143	38.923	35.4629	38.923	42.0001	2385.932	2540.233	0.8596
	2		1.8	44.9398		20.3391	0	36.9207	49.536	39.0411	35.6044	39.0411	43.0844	2450.696	2628.946	0.8604
	2		1.8	44.9398		20.3391	0	37.5464	49.7621	39.1894	35.7448	39.1894	44.0687	2506.754	2704.146	0.8622

MouthO2T	Mth CO2T	MouthO2\	Mth CO2V	InsWBAvg	InsDBAvgT	VH2o	ExpCO2Mi	InO2TimA\	InCO2TimA	ExpTpDBA	ExpTpWBA	ExpO2Min	N2TransIm	O2TransImb
Frac	Frac	Frac	Frac	Degree C	Degree C	Ml/min	Frac	Frac	Frac	Degree C	Degree C	Frac	Liters	Liters
0.1868	0.0036	NaN	NaN	21.0337	23.5376	-18.9523	0	0.1865	0.0034	24.5608	21.236	0.1785	0.0058	0
0.4867	0.0137	0.4878	0.013	27.5405	29.6171	-52.4158	0	0.5196	0.0063	30.2032	27.4034	0.4282	0.3388	0.1189
0.5151	0.0314	0.517	0.0298	26.5631	31.0972	31.0476	0	0.5354	0.015	31.4634	26.8313	0.4724	0.1007	0.1753
0.5228	0.0356	0.5248	0.0341	27.1114	32.0261	106.9363	0	0.5467	0.0168	32.377	27.7751	0.4768	0.0038	0.1776
0.5713	0.0336	0.5733	0.0321	27.9137	32.8792	143.1881	0	0.5951	0.0154	33.2133	28.7288	0.5251	0.0075	0.2167
0.6201	0.0348	0.6222	0.0332	30.4688	33.8302	78.3182	0	0.644	0.0167	34.1535	30.9034	0.5709	0.0061	0.2558
0.6866	0.0357	0.6888	0.034	30.2803	34.0048	116.9467	0	0.7122	0.0166	34.1661	31.1218	0.6347	0.0063	0.474
0.7675	0.0285	0.7692	0.0272	27.0735	34.3613	201.3649	0	0.7873	0.013	34.4511	28.6509	0.7247	0.0083	0.542
0.8282	0.0273	0.8297	0.0261	26.7992	34.8216	193.9562	0	0.8463	0.0122	34.8613	28.3313	0.7885	0.0052	0.5729
0.8695	0.0269	0.8709	0.0258	26.8889	35.139	190.2118	0	0.8867	0.0121	35.1407	28.3759	0.8306	0.0062	0.5929
0.8979	0.0274	0.8992	0.0264	27.1934	35.5425	185.9689	0	0.9153	0.012	35.5415	28.6222	0.8589	0.0051	0.6063
0.9162	0.0276	0.9175	0.0266	27.5208	35.9554	185.1192	0	0.9335	0.0122	35.9426	28.9142	0.8765	0.008	0.6147
0.9304	0.028	0.9319	0.0267	27.7375	36.3291	178.7092	0	0.9476	0.0127	36.2879	29.0614	0.8881	0.003	0.6208
0.9403	0.028	0.9418	0.0267	27.9632	36.6876	162.2462	0	0.9576	0.0126	36.6218	29.1479	0.8975	0.0072	0.6249
0.9473	0.0274	0.9488	0.0262	28.1954	37.0465	146.4	0	0.9643	0.012	36.9648	29.2495	0.9062	0.0074	0.628
0.9522	0.0274	0.9537	0.0262	28.426	37.402	131.2328	0	0.9689	0.0122	37.2996	29.3553	0.9106	0.0032	0.6301
0.956	0.0274	0.9574	0.0263	28.6614	37.8246	120.9956	0	0.9729	0.0119	37.6986	29.5021	0.9151	0.0047	0.6315
0.9586	0.0272	0.9599	0.0261	28.9764	38.3002	115.2028	0	0.9751	0.0118	38.1343	29.7545	0.9182	0.0058	0.6329
0.9601	0.0276	0.9615	0.0265	29.2038	38.7524	103.1007	0	0.9767	0.0122	38.5663	29.8853	0.9181	0.0066	0.6334
0.9609	0.0279	0.9624	0.0267	29.5172	39.1757	107.1077	0	0.9777	0.0123	38.9519	30.2067	0.9183	0.007	0.6338
0.9617	0.0278	0.9631	0.0266	29.6873	39.5819	107.0854	0	0.9781	0.0125	39.3301	30.3646	0.9193	0.0073	0.634
0.9561	0.0349	0.9573	0.0335	28.7995	38.4337	74.0558	0	0.974	0.0176	37.8339	29.7957	0.9071	0.005	0.9778
0.9694	0.0213	0.9701	0.0205	27.6827	37.7035	98.2237	0	0.9795	0.0109	36.9951	29.1726	0.9372	0.0061	0.9905
0.9712	0.0198	0.9719	0.0189	27.6364	37.6227	102.8012	0	0.9802	0.0105	36.9659	29.215	0.941	0.0065	0.991
0.972	0.0188	0.9727	0.0181	27.6943	37.4923	108.9508	0	0.9805	0.0099	36.874	29.3745	0.9435	0.0066	0.9912
0.9719	0.0182	0.9726	0.0175	27.7321	37.3792	110.5726	0	0.9802	0.0097	36.7874	29.4405	0.9448	0.0066	0.9912
0.9724	0.0178	0.9729	0.0172	27.8026	37.3684	111.9914	0	0.9803	0.0094	36.8146	29.535	0.9455	0.0066	0.9912
0.9729	0.0176	0.9733	0.0171	27.838	37.2739	109.4336	0	0.9807	0.0092	36.7278	29.5284	0.9481	0.0066	0.9913
0.9732	0.0176	0.9738	0.017	27.8854	37.2521	107.3518	0	0.981	0.0093	36.7275	29.5432	0.9475	0.0067	0.9914
0.9734	0.0171	0.9738	0.0166	27.9274	37.2051	103.4195	0	0.981	0.009	36.69	29.5215	0.9486	0.0068	0.9915
0.9731	0.017	0.9736	0.0164	27.9618	37.1565	100.8693	0	0.9804	0.009	36.6473	29.514	0.9487	0.0067	0.9914
0.9712	0.017	0.9726	0.0164	29.4968	39.6671	37.0527	0	0.9811	0.0086	39.9177	29.8489	0.9364	0.0146	0.3511
0.9572	0.0305	0.9593	0.0294	31.8598	41.2627	-84.7011	0	0.9757	0.0155	41.7982	31.5983	0.9064	0.0084	0.2816
0.9557	0.0328	0.9579	0.0316	32.9245	42.1225	-120.902	0	0.9755	0.0166	42.6563	32.5261	0.9033	0.0069	0.2808
0.9554	0.0333	0.9574	0.0322	33.7549	42.7449	-154.324	0	0.9755	0.0165	43.3072	33.2433	0.9031	0.0067	0.2805
0.9537	0.0342	0.9559	0.033	34.5658	43.3511	-185.52	0	0.9739	0.0175	43.9174	33.9521	0.8992	0.0061	0.2796
0.9523	0.0359	0.9541	0.0346	34.8718	43.0149	-115.185	0	0.9725	0.0175	42.8158	34.241	0.9011	0.0038	0.4571
0.9568	0.0307	0.9584	0.0294	34.2906	42.8946	-64.9332	0	0.9735	0.0153	42.5007	33.8619	0.91	0.0048	0.4819
0.957	0.0298	0.9584	0.0288	34.9711	43.0106	-95.0282	0	0.9733	0.0145	42.6656	34.3943	0.9142	0.0046	0.4819
0.9563	0.0291	0.9575	0.0284	35.4392	43.049	-109.344	0	0.9722	0.0139	42.7288	34.8002	0.9165	0.0042	0.4815
0.9545	0.0297	0.9558	0.0289	35.9383	43.1384	-129.715	0	0.9705	0.0144	42.8279	35.205	0.9128	0.0035	0.4806
0.9517	0.0306	0.9531	0.0297	36.3978	43.2413	-154.301	0	0.9676	0.0153	42.9763	35.5561	0.9088	0.0028	0.4798
0.9486	0.0309	0.95	0.0301	36.8601	43.3325	-178.25	0	0.9642	0.0156	43.0938	35.9139	0.9048	0.0019	0.4785
0.9457	0.0312	0.9471	0.0305	37.2621	43.518	-197.392	0	0.9613	0.0158	43.3234	36.2395	0.9009	0.0006	0.4771
				30.08986										

STP-0603, SR2000, CAP 3 Pre-Conditioned, TN-20307

Time	Exp O2	Exp CO2	Ins O2	Ins CO2	Exp Vol	Ins Vol	Exp Prs Pk	Ins Prs Pk	Exp Prs Av	Ins Prs Av	Exp Tim	Ins Tim	Exp CO2 Pl	Ins CO2Mi
Sec	Frac	Frac	Frac	Frac	Liters	Liters	mmH20	mmH20	mmH20	mmH20	Sec	Sec	Frac	Frac
1.0168	NaN	NaN	NaN	NaN	1.3701	1.4063	10.8261	-4.8275	2.4505	-2.0519	4.8639	2.0833	0.0024	0.0013
2.0673	0.4635	0.016	0.5098	0.0037	2.3138	2.3462	59.3275	-158.415	42.8055	-111.589	1.603	1.4818	0.0223	0.0004
3.0178	0.4659	0.0481	0.5061	0.0106	2.5649	2.6024	73.5416	-140.88	52.7157	-95.4623	1.2667	1.1	0.0627	0.0002
4.0518	0.4425	0.0594	0.49	0.0138	2.5781	2.5906	75.5205	-144.946	53.2936	-99.3688	1.2667	1.1	0.0743	0.001
5.0024	0.4734	0.0569	0.5263	0.0127	2.5728	2.5888	78.9937	-147.686	56.9824	-98.8267	1.2667	1.1	0.071	0.0011
6.0366	0.5185	0.0569	0.5691	0.0134	2.5734	2.5883	83.606	-148.686	60.6461	-100.109	1.2667	1.1	0.0715	0.0027
7.0042	0.5614	0.0615	0.6181	0.0156	2.2724	2.3074	59.0789	-97.3914	45.4151	-65.7395	1.5333	1.3	0.0819	0.003
8.0883	0.6365	0.0498	0.6856	0.0123	2.1977	2.2455	54.1054	-87.2717	42.6476	-58.2787	1.6	1.35	0.0668	0.0023
9.0892	0.7006	0.0471	0.7479	0.0108	2.1953	2.2507	55.2164	-88.5278	43.5392	-59.4192	1.6	1.35	0.0615	0.0015
10.0736	0.7547	0.0452	0.7979	0.0104	2.1957	2.2479	56.1207	-89.9227	44.3433	-60.3214	1.6	1.35	0.0595	0.0011
11.0579	0.7912	0.0462	0.8347	0.0101	2.2004	2.239	57.2812	-91.1309	45.0943	-61.1711	1.6	1.35	0.0592	0.0008
12.0422	0.8198	0.0446	0.8608	0.0097	2.201	2.2374	58.4125	-92.4965	45.7212	-62.2873	1.6	1.35	0.0582	0.0006
13.0442	0.8434	0.0445	0.8827	0.0096	2.2033	2.2361	59.2912	-94.0122	46.2835	-63.6307	1.6	1.35	0.0579	0.0005
14.0281	0.861	0.0447	0.8996	0.0093	2.2016	2.2393	60.071	-95.2094	47.0074	-64.822	1.6	1.35	0.0566	0.0004
15.0124	0.8763	0.0448	0.914	0.0095	2.2033	2.2377	61.2243	-97.0509	47.7427	-65.981	1.6	1.35	0.0579	0.0003
16.0969	0.8895	0.0443	0.9262	0.009	2.2022	2.239	62.2631	-99.1238	48.5071	-67.2395	1.6	1.35	0.056	0.0002
17.0979	0.8981	0.0445	0.9346	0.0091	2.2033	2.237	63.1135	-100.712	49.2408	-68.4766	1.6	1.35	0.0572	0.0001
18.0826	0.9043	0.0445	0.9405	0.0092	2.2034	2.2349	64.1569	-101.8	49.9534	-69.282	1.6	1.35	0.0587	0.0001
19.0669	0.9088	0.0447	0.945	0.0092	2.2026	2.2385	65.4639	-103.315	50.723	-70.523	1.6	1.35	0.0589	0.0001
20.0512	0.9118	0.0443	0.9473	0.0091	2.2034	2.2392	66.4414	-104.911	51.4532	-71.8386	1.6	1.35	0.0583	0
21.0521	0.9138	0.0444	0.9492	0.009	2.2034	2.2359	67.4336	-107.046	52.2404	-73.0733	1.6	1.35	0.0574	0
22.1527	0.9068	0.0536	0.9498	0.0122	1.814	1.8346	46.1283	-52.137	33.4555	-33.7028	2.2428	2.1714	0.0787	0
23.1533	0.928	0.0332	0.9549	0.0075	1.6571	1.6764	37.8393	-29.0926	26.2159	-17.6868	2.5	2.5	0.0491	-0.0002
24.1539	0.9268	0.0294	0.9508	0.007	1.6571	1.6751	36.4725	-29.8248	25.9624	-17.8188	2.5	2.5	0.0439	-0.0001
25.1378	0.9233	0.0281	0.9465	0.0067	1.657	1.6751	35.6365	-29.7089	25.9078	-17.8737	2.5	2.5	0.042	-0.0001
26.1384	0.9191	0.0269	0.9415	0.0063	1.657	1.6751	34.9958	-29.593	25.8328	-18.0652	2.5	2.5	0.0393	-0.0001
27.1391	0.9141	0.0265	0.9366	0.0063	1.657	1.6746	34.8128	-30.136	25.8347	-18.1312	2.5	2.5	0.0381	-0.0001
28.1397	0.9105	0.0258	0.932	0.006	1.657	1.6746	34.2392	-30.3313	25.8375	-18.1384	2.5	2.5	0.0364	-0.0001
29.1403	0.9063	0.0252	0.9273	0.006	1.657	1.6746	34.2819	-30.5937	25.8438	-18.1577	2.5	2.5	0.0362	-0.0001
30.1409	0.9021	0.0251	0.9233	0.0059	1.657	1.6746	34.1416	-29.9652	25.8792	-18.233	2.5	2.5	0.0354	-0.0001
31.1416	0.8973	0.025	0.9181	0.006	1.657	1.6746	33.9097	-30.49	25.8653	-18.3827	2.5	2.5	0.0357	-0.0001
32.0261	0.8881	0.0255	0.909	0.0056	2.3935	2.3985	96.9827	-174.565	67.4399	-115.14	1.5133	1.38	0.0334	-0.0001
33.0606	0.8552	0.0477	0.8942	0.0107	2.5787	2.5869	114.8919	-218.853	77.7798	-144.849	1.2667	1.1	0.0604	0
34.0118	0.8535	0.0517	0.8963	0.0111	2.5787	2.5893	118.6836	-229.285	79.0043	-149.637	1.2667	1.1	0.0636	0.0001
35.0472	0.8577	0.0527	0.9007	0.0115	2.5787	2.584	120.7892	-239.221	79.6378	-153.687	1.2667	1.1	0.0645	0.0001
36.0817	0.8619	0.0524	0.9035	0.0118	2.5787	2.5843	123.3041	-254.6	79.9794	-161.062	1.2667	1.1	0.0656	0.0001
37.0495	0.8643	0.0547	0.9078	0.0121	2.2786	2.3012	85.8858	-150.918	61.1629	-100.854	1.5333	1.3	0.071	0.0001
38.034	0.8773	0.0459	0.9128	0.0099	2.2033	2.2402	77.0478	-124.931	58.1284	-85.9897	1.6	1.35	0.0602	0.0001
39.0184	0.8775	0.0456	0.912	0.0099	2.2033	2.2424	77.8422	-126.9	58.5848	-87.3743	1.6	1.35	0.0583	0
40.0195	0.8774	0.0454	0.9111	0.0099	2.2033	2.2385	78.9076	-128.738	59.3437	-88.4559	1.6	1.35	0.057	0
41.0082	0.8749	0.0456	0.9085	0.0102	2.2033	2.2357	80.2476	-131.001	60.1632	-89.9176	1.6	1.35	0.0573	0
42.0944	0.872	0.046	0.9055	0.0104	2.2033	2.2354	82.8886	-135.802	61.6942	-92.5649	1.6	1.35	0.0574	0.0001
43.0788	0.868	0.0465	0.901	0.0109	2.2033	2.2368	86.8926	-141.41	64.2466	-97.1668	1.6	1.35	0.0592	0
44.0633	0.8631	0.0466	0.895	0.011	2.2033	2.2381	91.8132	-151.115	67.6769	-103.854	1.6	1.35	0.0576	0.0001
45.0642	0.8555	0.0467	0.8859	0.0119	2.2033	2.2381	103.181	-171.526	74.8418	-117.267	1.6	1.35	0.058	0.0001
				0.00961			67.78361	-111.165						

VO2	Stpd	VCO2	Stp	VE	Stpd	RR	Spare	InsWB End	InsDB End	ExpDB End	ExpWB En	ExpDB End	Time (min)	ExpH2OVa	InsH2OVap	Avg Exh O2
L/M		L/M		L/M		/min		Degree C	Degree C	Degree C	Degree C	Degree C	Min	Ml/min	Ml/min	Frac
	0.5		0.4	16.4579	10.5994		0	18.5159	22.4879	22.5037	18.5546	22.5037	1.0168	369.8698	369.9487	0.6152
	3		3.2	52.6479	21.7107		0	22.2589	27.2217	30.9707	30.2144	30.9707	2.0673	1700.649	1825.126	0.745
	3		3.2	65.0253	25.3522		0	20.9402	28.9361	31.7697	31.3057	31.7697	3.0178	2017.323	2145.364	0.7553
	3		3.2	65.3595	25.3522		0	21.5162	30.7116	32.0529	31.3054	32.0529	4.0518	2037.544	2079.28	0.7628
	3		3.2	65.2269	25.3522		0	23.9627	32.16	32.4397	31.5732	32.4397	5.0024	2231.169	2198.882	0.7696
	3		3.2	65.2407	25.3522		0	26.3327	33.7372	32.9536	32.0874	32.9536	6.0366	2449.269	2371.917	0.7772
	2		1.8	48.8014	21.3417		0	26.6193	34.3495	33.1606	31.9569	33.1606	7.0042	1853.805	1756.113	0.7803
	2		1.8	44.7	20.3391		0	25.0761	34.9335	33.3343	31.4695	33.3343	8.0883	1557.806	1442.816	0.7827
	2		1.8	44.6502	20.3391		0	23.8536	35.6013	33.5296	31.5596	33.5296	9.0892	1476.692	1360.999	0.786
	2		1.8	44.6579	20.3391		0	23.3995	36.2599	33.7218	31.2263	33.7218	10.0736	1418.725	1304.95	0.7891
	2		1.8	44.7539	20.3391		0	23.3138	36.7467	33.8886	31.5312	33.8886	11.0579	1418.762	1315.388	0.7916
	2		1.8	44.7663	20.3391		0	23.2759	37.2775	34.0614	31.3773	34.0614	12.0422	1398.138	1294.499	0.794
	2		1.8	44.8136	20.3391		0	23.3342	37.8118	34.1757	31.3144	34.1757	13.0442	1385.065	1288.368	0.7966
	2		1.8	44.7782	20.3391		0	23.4706	38.2896	34.3265	31.3816	34.3265	14.0281	1379.564	1291.797	0.7989
	2		1.8	44.8139	20.3391		0	23.6694	38.7455	34.4563	31.3934	34.4563	15.0124	1383.828	1301.986	0.8013
	2		1.8	44.7913	20.3391		0	23.8791	39.2422	34.6058	31.4226	34.6058	16.0969	1384.731	1311.478	0.8036
	2		1.8	44.8141	20.3391		0	24.1202	39.7517	34.7644	31.4782	34.7644	17.0979	1391.533	1328.205	0.8062
	2		1.8	44.8141	20.3391		0	24.4942	40.2685	34.9282	31.7358	34.9282	18.0826	1418.289	1360.405	0.8089
	2		1.8	44.7987	20.3391		0	24.9393	40.8766	35.2293	32.1856	35.2293	19.0669	1470.806	1409.09	0.8121
	2		1.8	44.8142	20.3391		0	25.355	41.5357	35.5284	32.8106	35.5284	20.0512	1543.074	1457.698	0.8157
	2		1.8	44.8142	20.3391		0	25.8058	42.2847	35.8495	33.1141	35.8495	21.0521	1587.933	1498.531	0.8197
	0.5		0.4	27.0262	14.3826		0	25.2669	40.7167	35.6058	33.3561	35.6058	22.1527	972.8184	888.5399	0.8141
	0.5		0.4	19.8847	12		0	23.8135	39.275	35.188	33.2107	35.188	23.1533	689.5847	589.511	0.8065
	0.5		0.4	19.8847	12		0	23.6083	39.0902	35.0399	33.1097	35.0399	24.1539	678.8958	585.4833	0.8051
	0.5		0.4	19.8847	12		0	23.6407	38.9729	34.9384	33.0718	34.9384	25.1378	677.9833	586.8796	0.8041
	0.5		0.4	19.8847	12		0	23.6841	38.8947	34.8252	32.9155	34.8252	26.1384	677.843	588.7655	0.8034
	0.5		0.4	19.8846	12		0	23.6833	38.8231	34.7436	32.8208	34.7436	27.1391	675.9626	589.0533	0.803
	0.5		0.4	19.8846	12		0	23.8033	38.9121	34.722	32.798	34.722	28.1397	675.6497	589.7411	0.803
	0.5		0.4	19.8846	12		0	26.0934	38.9895	34.6895	32.9163	34.6895	29.1403	716.2949	660.1312	0.8029
	0.5		0.4	19.8846	12		0	33.3504	38.9937	34.6055	33.7291	34.6055	30.1409	947.3552	938.5411	0.8027
	0.5		0.4	19.8846	12		0	30.1046	38.8547	34.583	32.2874	34.583	31.1416	821.168	824.7466	0.8021
	3		3.2	56.2579	22.6818		0	26.8494	41.5038	35.3561	31.3958	35.3561	32.0261	1881.902	1889.832	0.8152
	3		3.2	65.3759	25.3522		0	29.3558	45.9898	36.6133	33.0227	36.6133	33.0606	2471.915	2563.366	0.8355
	3		3.2	65.376	25.3522		0	31.0591	47.9694	37.6855	33.7804	37.6855	34.0118	2678.12	2800.837	0.848
	3		3.2	65.3761	25.3522		0	32.3631	49.1951	38.4327	34.2993	38.4327	35.0472	2841.608	2996.965	0.8561
	3		3.2	65.3762	25.3522		0	33.5275	50.2932	39.1594	34.775	39.1594	36.0817	3001.595	3180.72	0.8637
	2		1.8	48.9283	21.3417		0	34.1562	49.7556	39.0741	35.0573	39.0741	37.0495	2346.821	2468.924	0.8616
	2		1.8	44.8139	20.3391		0	33.7107	49.6438	38.9952	35.017	38.9952	38.034	2120.383	2201.336	0.8604
	2		1.8	44.8139	20.3391		0	34.0151	49.9084	39.1395	35.0644	39.1395	39.0184	2145.535	2239.786	0.862
	2		1.8	44.8139	20.3391		0	34.4706	50.1166	39.2459	35.1321	39.2459	40.0195	2181.915	2290.469	0.8633
	2		1.8	44.8139	20.3391		0	34.9896	50.4127	39.3637	35.1846	39.3637	41.0082	2217.313	2343.292	0.8647
	2		1.8	44.8139	20.3391		0	35.5415	50.6554	39.4901	35.2751	39.4901	42.0944	2258.451	2405.2	0.8662
	2		1.8	44.8139	20.3391		0	36.2505	50.9056	39.6293	35.3276	39.6293	43.0788	2306.714	2479.833	0.8677
	2		1.8	44.8139	20.3391		0	43.2799	51.0354	39.7796	37.4091	39.7796	44.0633	3097.421	3266.785	0.869
	2		1.8	44.8138	20.3391		0	45.1539	51.2276	39.8845	38.6155	39.8845	45.0642	3568.126	3614.486	0.8701

MouthO2T	Mth CO2T	MouthO2\	Mth CO2V	InsWBAvgTp	InsDBAvgT	VH2o	ExpCO2Mi	InO2TimA\	InCO2TimA	ExpTpDBA	ExpTpWBA	ExpO2Min	N2TransIm	O2TransImb
Frac	Frac	Frac	Frac	Degree C	Degree C	Ml/min	Frac	Frac	Frac	Degree C	Degree C	Frac	Liters	Liters
0.1792	0.0017	NaN	NaN	18.349199	22.38	-0.0789	0	0.1768	0.0016	23.265	18.9715	0.1745	0.0091	0
0.487	0.0103	0.4866	0.0099	27.184	28.9774	-124.478	0	0.5063	0.0051	29.4968	26.5539	0.4189	0.4341	0.1078
0.4846	0.0304	0.486	0.0293	27.4953	30.2552	-128.04	0	0.5025	0.0144	30.5726	26.8565	0.4471	0.1537	0.1387
0.4646	0.0377	0.4662	0.0366	27.2882	31.1593	-41.7358	0	0.4858	0.0183	31.4825	27.1324	0.424	0.0003	0.1157
0.498	0.0359	0.4998	0.0348	28.1481	31.9863	32.2867	0	0.5215	0.017	32.3046	28.3875	0.4539	0.0082	0.1421
0.5419	0.0363	0.5438	0.0352	29.230101	32.9119	77.352	0	0.5645	0.0177	33.2238	29.6727	0.4977	0.0058	0.1833
0.5876	0.04	0.5897	0.0386	29.1332	33.308	97.6926	0	0.6132	0.0198	33.5784	29.8426	0.5365	0.0065	0.392
0.6592	0.0322	0.661	0.031	28.030399	33.6196	114.9894	0	0.6815	0.0156	33.8369	28.9429	0.6131	0.0062	0.462
0.7226	0.0299	0.7242	0.0289	27.500299	34.0359	115.6928	0	0.7441	0.0139	34.2287	28.4411	0.6788	0.0059	0.4989
0.7748	0.0288	0.7763	0.0278	27.1427	34.4314	113.7744	0	0.7943	0.0134	34.5909	28.0803	0.7327	0.0056	0.5269
0.8115	0.029	0.8129	0.0282	27.2792	34.7398	103.3736	0	0.8313	0.0131	34.8847	28.1248	0.7697	0.0063	0.5463
0.8389	0.0281	0.8403	0.0272	27.1863	35.0633	103.6383	0	0.8575	0.0127	35.1694	28.0292	0.7973	0.0054	0.5599
0.8617	0.0279	0.8631	0.027	27.205099	35.3892	96.6972	0	0.8796	0.0125	35.4609	27.9848	0.8209	0.0052	0.5703
0.8791	0.0278	0.8803	0.027	27.312201	35.6831	87.7672	0	0.8966	0.0122	35.7405	28.0156	0.8402	0.0046	0.5785
0.8939	0.028	0.8952	0.0272	27.457399	35.9826	81.8422	0	0.9111	0.0124	36.0201	28.1044	0.854	0.0077	0.5852
0.9067	0.0274	0.9078	0.0267	27.6103	36.2866	73.2527	0	0.9234	0.0119	36.2939	28.1796	0.8679	0.0031	0.5908
0.9151	0.0277	0.9163	0.0268	27.810801	36.6033	63.328	0	0.9317	0.012	36.6044	28.2968	0.8754	0.0061	0.5949
0.9211	0.0278	0.9224	0.0269	28.1353	36.9334	57.8836	0	0.9376	0.0123	36.9108	28.5665	0.8798	0.0086	0.5972
0.9256	0.0279	0.9269	0.0269	28.5954	37.3297	61.716	0	0.9421	0.0122	37.3121	29.0443	0.884	0.0042	0.5996
0.9283	0.0276	0.9296	0.0267	29.0508	37.7909	85.3762	0	0.9445	0.0121	37.7492	29.6501	0.8871	0.0008	0.6003
0.9303	0.0276	0.9315	0.0267	29.4482	38.2752	89.4011	0	0.9464	0.012	38.2363	30.0634	0.8896	0.0017	0.6013
0.9272	0.034	0.9283	0.0329	29.011499	37.637	84.2786	0	0.9459	0.0162	37.4303	30.0888	0.8779	0.0001	0.9464
0.9409	0.0209	0.9414	0.0203	27.856001	36.7851	100.0735	0	0.9525	0.01	36.4379	29.45	0.9078	0.0024	0.9601
0.9384	0.0187	0.9388	0.0182	27.7435	36.6051	93.4124	0	0.9486	0.0093	36.2916	29.2472	0.9071	0.0024	0.9604
0.9345	0.0179	0.9349	0.0174	27.7395	36.4839	91.1037	0	0.9444	0.0089	36.161	29.2042	0.9038	0.0016	0.9596
0.93	0.017	0.9303	0.0166	27.751699	36.395	89.0775	0	0.9395	0.0083	36.073	29.1829	0.9011	0.0008	0.9588
0.9251	0.0168	0.9254	0.0164	27.7444	36.3423	86.9094	0	0.9346	0.0082	36.0211	29.1412	0.897	0	0.9579
0.921	0.0162	0.9212	0.0159	27.761	36.3615	85.9086	0	0.9301	0.0079	36.0199	29.1358	0.8942	0	0.9572
0.9166	0.016	0.9168	0.0156	28.909901	36.3478	56.1637	0	0.9255	0.0079	36.0078	29.7696	0.8898	0	0.9565
0.9125	0.0158	0.9127	0.0155	33.053101	36.326	8.814	0	0.9215	0.0077	35.9637	33.1058	0.8866	0	0.9558
0.9075	0.0158	0.9077	0.0155	31.336201	36.2673	-3.5787	0	0.9163	0.0078	35.895	31.1925	0.8814	0	0.9549
0.8976	0.0159	0.8986	0.0155	29.318701	37.6098	-7.9303	0	0.9068	0.0076	37.8244	29.3138	0.8639	0.0023	0.3074
0.8729	0.03	0.8747	0.0292	31.524099	39.9888	-91.451	0	0.8901	0.0144	40.4296	31.207	0.8235	0	0.235
0.8731	0.0322	0.8749	0.0314	32.797199	41.4069	-122.717	0	0.8919	0.0151	42.0391	32.4044	0.8223	0.0011	0.2342
0.8773	0.0328	0.8792	0.0321	33.757099	42.3748	-155.357	0	0.8962	0.0155	43.0625	33.2598	0.8256	0.0035	0.2364
0.8807	0.033	0.8827	0.0321	34.620399	43.2773	-179.125	0	0.899	0.0159	44.0032	34.0564	0.8269	0.0055	0.238
0.8845	0.0344	0.8861	0.0334	35.084099	43.3921	-122.104	0	0.9042	0.0158	43.3543	34.479	0.8347	0.0037	0.4098
0.8937	0.0288	0.895	0.0279	34.752399	43.3677	-80.9529	0	0.91	0.013	43.0888	34.2558	0.8504	0.007	0.4353
0.8936	0.0285	0.8948	0.0278	34.991402	43.5412	-94.2516	0	0.9093	0.0128	43.3179	34.4352	0.8524	0.007	0.4354
0.8932	0.0283	0.8942	0.0277	35.2882	43.6798	-108.554	0	0.9086	0.0127	43.4769	34.6635	0.8539	0.0071	0.4355
0.8906	0.0286	0.8917	0.0279	35.599701	43.8609	-125.979	0	0.9059	0.0131	43.6504	34.8868	0.8501	0.006	0.4343
0.8877	0.0288	0.8888	0.0282	35.954102	44.0377	-146.749	0	0.903	0.0132	43.8391	35.1414	0.8476	0.0049	0.4331
0.8834	0.0294	0.8845	0.0287	36.368198	44.2134	-173.12	0	0.8985	0.0137	44.0393	35.4333	0.842	0.0033	0.4313
0.8781	0.0293	0.8791	0.0288	40.119801	44.3435	-169.364	0	0.8927	0.0137	44.2085	39.3081	0.8381	0.0011	0.4289
0.8697	0.0298	0.8707	0.0293	41.688801	44.4385	-46.3601	0	0.8837	0.0144	44.3909	41.4854	0.8278	0.0007	0.4247
				30.4321432										

STP-0603, SR2000, CAP 3, TN-20307

Time	Exp O2	Exp CO2	Ins O2	Ins CO2	Exp Vol	Ins Vol	Exp Prs Pk	Ins Prs Pk	Exp Prs Av	Ins Prs Av	Exp Time	Ins Time	Exp CO2 Pl	Ins CO2Mi
Sec	Frac	Frac	Frac	Frac	Liters	Liters	mmH20	mmH20	mmH20	mmH20	Sec	Sec	Frac	Frac
1.0169	NaN	NaN	NaN	NaN	1.4109	1.444	5.0078	-4.7686	1.6161	-1.9672	4.5262	2.1428	0.0104	0.0045
2.0676	0.449	0.0247	0.5234	0.005	2.398	2.4263	68.5677	-167.457	48.1808	-116.905	1.4909	1.3545	0.034	0.0001
3.0183	0.5054	0.0504	0.548	0.0108	2.5671	2.5975	76.8613	-137.749	55.3387	-94.4796	1.2667	1.1	0.0688	0
4.0561	0.5192	0.0562	0.5691	0.0118	2.5752	2.5919	80.6966	-142.758	58.5225	-96.1237	1.2667	1.1	0.0768	0.0002
5.007	0.5692	0.0538	0.618	0.011	2.5724	2.5909	83.5765	-146.963	61.2057	-98.6466	1.2667	1.1	0.0709	0.0006
6.0411	0.6195	0.0545	0.6687	0.012	2.5729	2.5873	86.9234	-151.432	63.1477	-101.225	1.2667	1.1	0.072	0.0014
7.0085	0.6907	0.0556	0.7429	0.0125	2.2414	2.2787	59.7613	-95.5484	46.0841	-65.1186	1.5667	1.325	0.0774	0.0011
8.0925	0.7754	0.0436	0.8137	0.0094	2.2046	2.2568	57.105	-92.1768	45.1308	-63.1378	1.6	1.35	0.0607	0.0005
9.0765	0.8303	0.0426	0.8657	0.0087	2.2087	2.2561	58.3408	-94.051	45.9774	-64.5909	1.6	1.35	0.0558	0.0003
10.0774	0.8648	0.0438	0.9001	0.0089	2.2095	2.2462	59.5416	-94.5013	46.8273	-65.0102	1.6	1.35	0.0561	0.0002
11.0617	0.89	0.0438	0.9246	0.0089	2.211	2.2418	61.0391	-95.0578	47.6556	-65.733	1.6	1.35	0.057	0.0002
12.0458	0.9065	0.0442	0.9408	0.0092	2.2101	2.2454	61.8738	-96.8554	48.3841	-67.0284	1.6	1.35	0.0593	0.0001
13.0467	0.9188	0.0443	0.9531	0.0092	2.211	2.2474	62.7964	-98.0416	49.0641	-68.2052	1.6	1.35	0.0597	0
14.0308	0.9279	0.0439	0.9617	0.0087	2.2106	2.2478	63.8325	-100.187	49.7816	-69.2512	1.6	1.35	0.0587	0
15.0149	0.9337	0.0438	0.9671	0.0087	2.2111	2.2454	65.1395	-101.564	50.5479	-70.2729	1.6	1.35	0.0576	0
16.0992	0.9384	0.0437	0.9713	0.0089	2.2111	2.2444	65.9517	-103.114	51.2735	-71.5637	1.6	1.35	0.0596	0
17.1	0.9422	0.0436	0.9752	0.0087	2.2111	2.2459	66.9006	-105.697	52.0435	-73.1953	1.6	1.35	0.0589	0
18.0842	0.9446	0.0431	0.9767	0.0087	2.2111	2.247	68.4199	-107.411	52.8306	-74.7285	1.6	1.35	0.0578	0
19.0683	0.9455	0.0443	0.9784	0.0089	2.2111	2.2454	69.7306	-109.153	53.5848	-75.9141	1.6	1.35	0.0588	0
20.0691	0.9465	0.044	0.9788	0.009	2.2111	2.2446	70.558	-110.9	54.2677	-76.9905	1.6	1.35	0.0576	0
21.0532	0.9464	0.044	0.9784	0.0094	2.2111	2.2424	71.0596	-112.126	54.5536	-77.9724	1.6	1.35	0.0586	0
22.1538	0.9381	0.0545	0.9771	0.0131	1.7358	1.7552	43.5963	-45.1709	31.0068	-29.3216	2.3714	2.3357	0.0835	0
23.1543	0.9579	0.0341	0.9812	0.0083	1.6569	1.6739	38.7305	-33.4125	27.3745	-21.0966	2.5	2.5	0.052	-0.0001
24.155	0.9624	0.0299	0.9821	0.0075	1.6569	1.6737	37.8518	-33.1806	27.2505	-20.9985	2.5	2.5	0.0461	-0.0001
25.1557	0.964	0.0282	0.9824	0.0073	1.6569	1.673	37.2538	-33.4674	27.0846	-20.9513	2.5	2.5	0.0438	-0.0001
26.1562	0.9645	0.0276	0.9821	0.0071	1.6569	1.675	36.5216	-33.0342	26.9722	-21.0083	2.5	2.5	0.0418	-0.0001
27.1568	0.9653	0.0266	0.9822	0.0069	1.6569	1.6764	36.1738	-33.0647	26.992	-20.9383	2.5	2.5	0.04	-0.0001
28.1572	0.966	0.0259	0.9826	0.0067	1.6569	1.6742	35.9358	-32.9305	26.9898	-20.8682	2.5	2.5	0.0381	-0.0001
29.1577	0.9655	0.0262	0.9822	0.0068	1.6569	1.6728	36.2531	-33.2844	26.8132	-20.9506	2.5	2.5	0.0383	-0.0002
30.1584	0.9662	0.0258	0.9824	0.0068	1.6569	1.6726	36.0273	-32.9793	26.9263	-20.8039	2.5	2.5	0.039	-0.0001
31.1425	0.9659	0.026	0.9823	0.007	1.6569	1.6713	35.9297	-33.3454	26.7902	-20.8232	2.5	2.5	0.0393	-0.0001
32.0271	0.9632	0.0263	0.9818	0.0066	2.4857	2.489	107.5246	-172.495	75.4847	-116.728	1.39	1.24	0.0361	-0.0001
33.0618	0.9411	0.0467	0.9769	0.0114	2.578	2.589	117.9361	-191.014	81.266	-130.389	1.2667	1.1	0.0618	0
34.0134	0.9372	0.0509	0.9762	0.0121	2.5781	2.5873	120.5449	-193.274	82.3029	-131.728	1.2667	1.1	0.0662	0.0001
35.0489	0.9357	0.0524	0.9755	0.0128	2.5781	2.5814	122.5182	-194.555	83.1532	-132.689	1.2667	1.1	0.0692	0
36.0001	0.9347	0.0531	0.975	0.0128	2.5781	2.5839	125.3074	-197.008	84.4196	-135.154	1.2667	1.1	0.0689	0.0001
37.0513	0.9338	0.0552	0.9734	0.0137	2.2791	2.2995	87.0199	-135.854	63.3538	-93.9554	1.5394	1.3045	0.0756	0.0001
38.0356	0.9415	0.0463	0.9733	0.0117	2.2111	2.2477	78.9823	-124.424	59.5727	-86.0539	1.6	1.35	0.0649	0
39.0366	0.9408	0.0468	0.9729	0.0115	2.2111	2.2513	79.7915	-125.533	60.2689	-87.6435	1.6	1.35	0.0618	0
40.0209	0.9399	0.0466	0.9717	0.0112	2.2111	2.2472	81.439	-127.968	61.2297	-88.8508	1.6	1.35	0.0588	0
41.0051	0.939	0.0463	0.9698	0.0117	2.2111	2.2434	83.9725	-131.384	62.8855	-90.9764	1.6	1.35	0.0596	0
42.0061	0.9372	0.0468	0.9673	0.0122	2.2111	2.2434	90.1415	-141.21	66.9046	-97.3139	1.6	1.35	0.0609	0.0001
43.0904	0.9343	0.0472	0.9636	0.0127	2.2111	2.2464	97.564	-152	71.2787	-105.426	1.6	1.35	0.0614	0
44.0747	0.9318	0.0474	0.9608	0.0127	2.2111	2.2473	103.318	-162.694	74.1674	-114.299	1.6	1.35	0.0613	0
45.0596	0.9294	0.0478	0.9522	0.0139	2.2111	2.2458	135.6825	-214.708	93.9288	-146.904	1.6	1.35	0.0616	0.0001
				0.00995			72.00289	-109.379						

VO2	Stpd	VCO2	Stp	VE	Stpd	RR	Spare	InsWB EndT	InsDB End	ExpDB End	ExpWB En	ExpDB End	Time (min)	ExpH2OVa	InsH2OVa	Avg Exh O2
L/M		L/M		L/M		/min		Degree C	Degree C	Degree C	Degree C	Degree C	Min	Ml/min	Ml/min	Frac
	0.5		0.4	16.9451	10.7995		0	21.798201	23.1442	24.2656	23.126	24.2656	1.0169	543.1827	531.5601	0.6357
	3		3.2	56.7802	22.9245		0	22.3936	26.7047	31.6797	31.4876	31.6797	2.0676	2028.918	1999.208	0.7488
	3		3.2	65.0805	25.3522		0	21.039301	29.1325	31.6466	30.6203	31.6466	3.0183	2085.76	2032.862	0.7545
	3		3.2	65.2865	25.3522		0	22.674101	31.6081	32.0617	30.9226	32.0617	4.0561	2144.311	2067.646	0.7656
	3		3.2	65.2173	25.3522		0	24.252701	33.4903	32.5358	31.192	32.5358	5.007	2215.368	2135.722	0.7742
	3		3.2	65.23	25.3522		0	25.518999	35.2033	32.9701	31.4668	32.9701	6.0411	2291.195	2213.223	0.7821
	2		1.8	46.8723	20.8404		0	24.073799	35.5633	32.882	31.2481	32.882	7.0085	1577.677	1447.141	0.7833
	2		1.8	44.8386	20.3391		0	22.1698	36.2658	33.0452	30.9181	33.0452	8.0925	1349.977	1228.055	0.7863
	2		1.8	44.9238	20.3391		0	21.9881	36.9829	33.215	31.0871	33.215	9.0765	1336.744	1221.247	0.7897
	2		1.8	44.9382	20.3391		0	22.1178	37.6136	33.5161	31.3901	33.5161	10.0774	1354.989	1237.95	0.7931
	2		1.8	44.9704	20.3391		0	22.1287	38.3381	33.8626	31.9498	33.8626	11.0617	1402.579	1248.588	0.7972
	2		1.8	44.9511	20.3391		0	23.7092	38.9917	34.1078	30.8674	34.1078	12.0458	1389.201	1280.189	0.8006
	2		1.8	44.9707	20.3391		0	23.280701	39.6199	34.3635	31.5549	34.3635	13.0467	1384.539	1289.445	0.804
	2		1.8	44.9609	20.3391		0	23.634399	40.3044	34.7285	31.6609	34.7285	14.0308	1394.695	1305.671	0.8082
	2		1.8	44.9707	20.3391		0	24.0392	40.9725	34.9487	31.7888	34.9487	15.0149	1410.743	1336.187	0.8115
	2		1.8	44.9708	20.3391		0	24.5811	41.6621	35.1283	31.8836	35.1283	16.0992	1430.579	1371.489	0.8147
	2		1.8	44.9708	20.3391		0	25.106001	42.464	35.3252	32.0104	35.3252	17.1	1451.788	1408.714	0.8182
	2		1.8	44.9708	20.3391		0	25.636299	43.2909	35.5783	32.2689	35.5783	18.0842	1487.152	1446.982	0.8222
	2		1.8	44.9708	20.3391		0	26.0984	44.1337	35.8135	32.4072	35.8135	19.0683	1514.194	1472.219	0.8262
	2		1.8	44.9708	20.3391		0	26.886299	44.9851	36.0537	32.0904	36.0537	20.0691	1546.776	1477.828	0.8301
	2		1.8	44.9708	20.3391		0	26.937901	45.6387	36.2874	31.9398	36.2874	21.0532	1512.352	1459.502	0.8336
	0.5		0.4	23.464	13.1913		0	26.217899	42.7939	35.7406	32.0128	35.7406	22.1538	798.0443	745.0659	0.8227
	0.5		0.4	19.8831	12		0	24.889099	41.6892	35.5151	32.2527	35.5151	23.1543	658.0726	591.4258	0.8171
	0.5		0.4	19.8831	12		0	24.6271	41.4454	35.5051	32.4563	35.5051	24.155	659.5256	590.8909	0.8161
	0.5		0.4	19.8831	12		0	24.545799	41.2931	35.4102	32.6007	35.4102	25.1557	661.992	593.941	0.815
	0.5		0.4	19.8831	12		0	24.563999	41.2257	35.3736	32.7088	35.3736	26.1562	664.5917	597.4154	0.8146
	0.5		0.4	19.8831	12		0	24.612101	41.1133	35.3744	32.6709	35.3744	27.1568	666.2875	600.149	0.8143
	0.5		0.4	19.8831	12		0	24.6113	41.1208	35.3228	32.6756	35.3228	28.1572	666.981	602.5745	0.8138
	0.5		0.4	19.8831	12		0	24.689501	40.9327	35.2496	32.6512	35.2496	29.1577	666.7444	605.4767	0.8129
	0.5		0.4	19.8831	12		0	24.763599	40.8528	35.233	32.5888	35.233	30.1584	667.0618	608.2944	0.8126
	0.5		0.4	19.8831	12		0	24.8552	40.8021	35.2013	32.5446	35.2013	31.1425	667.6627	611.3659	0.8124
	3		3.2	60.805	24.017		0	26.435499	46.0771	36.574	32.3186	36.574	32.0271	1971.772	1981.841	0.8354
	3		3.2	65.3568	25.3522		0	29.465401	48.4019	37.5866	32.8727	37.5866	33.0618	2411.233	2499.742	0.8493
	3		3.2	65.3604	25.3522		0	30.99	49.4154	38.1944	33.2924	38.1944	34.0134	2589.592	2703.932	0.856
	3		3.2	65.3604	25.3522		0	32.250198	50.2579	38.763	33.6663	38.763	35.0489	2747.666	2883.351	0.8618
	3		3.2	65.3604	25.3522		0	33.334599	51.0349	39.3216	34.1217	39.3216	36.0001	2899.832	3051.916	0.8674
	2.0909		1.9273	48.7044	21.2505		0	33.658798	49.7857	39.1174	34.5808	39.1174	37.0513	2272.027	2366.045	0.8623
	2		1.8	44.9709	20.3391		0	33.321499	49.3132	38.9832	34.7348	38.9832	38.0356	2102.164	2169.022	0.8597
	2		1.8	44.9709	20.3391		0	33.838501	49.462	39.0926	34.9143	39.0926	39.0366	2153.373	2234.451	0.8606
	2		1.8	44.9709	20.3391		0	34.527	49.6318	39.2059	35.0899	39.2059	40.0209	2218.818	2317.703	0.8618
	2		1.8	44.9709	20.3391		0	35.206402	49.7506	39.3327	35.2495	39.3327	41.0051	2289.754	2399.852	0.8627
	2		1.8	44.9709	20.3391		0	35.9986	49.9364	39.4176	35.4072	39.4176	42.0061	2368.699	2494.014	0.8638
	2		1.8	44.9709	20.3391		0	36.737301	50.0848	39.5686	35.5889	39.5686	43.0904	2442.609	2585.992	0.8652
	2		1.8	44.9709	20.3391		0	37.2514	50.2769	39.6962	35.7159	39.6962	44.0747	2494.865	2646.28	0.8666
	2		1.8	44.9709	20.3391		0	37.449799	50.1166	39.8665	35.8078	39.8665	45.0596	2522.48	2679.111	0.867
								37.449799								

MouthO2T	Mth CO2T	MouthO2\	Mth CO2V	InsWBAvgTp	InsDBAvgT	VH2o	ExpCO2Mi	InO2TimA\	InCO2Tim	ExpTpDBAv	ExpTpWBA	ExpO2Min	N2TransIm	O2TransImb
Frac	Frac	Frac	Frac	Degree C	Degree C	Ml/min	Frac	Frac	Frac	Degree C	Degree C	Frac	Liters	Liters
0.1854	0.0068	NaN	NaN	22.3053	23.4596	11.6226	0	0.1839	0.0065	24.541901	23.1543	0.1797	0.0042	0
0.4858	0.0156	0.4862	0.0148	27.9867	29.1684	29.7105	0	0.52	0.0071	30.0637	28.415	0.4247	0.3237	0.1134
0.525	0.032	0.5267	0.0306	26.745501	30.1404	52.8979	0	0.544	0.0151	30.4617	27.1227	0.483	0.091	0.1749
0.5421	0.0356	0.5441	0.034	27.2463	31.5499	76.6653	0	0.5643	0.0167	31.735701	27.7064	0.4942	0.006	0.1845
0.5915	0.0338	0.5936	0.0324	27.873501	32.5973	79.6462	0	0.6133	0.0156	32.796001	28.3362	0.5458	0.0071	0.2253
0.6419	0.0347	0.6441	0.0333	28.4884	33.5323	77.9721	0	0.6639	0.0166	33.773399	28.9356	0.5943	0.0075	0.2632
0.7145	0.0356	0.7168	0.034	27.4167	33.711	130.5368	0	0.7381	0.0165	33.835201	28.4334	0.6633	0.0056	0.4757
0.7927	0.0277	0.7945	0.0265	26.2946	34.1048	121.9214	0	0.8101	0.0126	34.1707	27.315	0.7517	0.0075	0.5395
0.8466	0.0266	0.848	0.0257	26.323299	34.5185	115.4976	0	0.8626	0.0117	34.5793	27.2879	0.8094	0.0057	0.5666
0.8811	0.0272	0.8825	0.0264	26.5665	34.9366	117.0396	0	0.8971	0.0118	34.996498	27.5279	0.8444	0.006	0.5831
0.906	0.0273	0.9073	0.0263	26.7726	35.4358	153.9909	0	0.9217	0.0119	35.498699	28.0063	0.8681	0.0076	0.5946
0.9223	0.0277	0.9237	0.0267	27.1343	35.8634	109.0127	0	0.9379	0.0123	35.880001	27.9951	0.8824	0.0034	0.6017
0.9345	0.0278	0.9359	0.0268	27.310301	36.283	95.0936	0	0.9502	0.0123	36.282799	28.0496	0.894	0.0074	0.607
0.9435	0.0273	0.9448	0.0263	27.5648	36.8035	89.0245	0	0.9589	0.0119	36.794601	28.2459	0.9035	0.0033	0.6109
0.9491	0.0272	0.9504	0.0263	27.895	37.2122	74.5561	0	0.9644	0.0118	37.201	28.4553	0.9096	0.0024	0.6134
0.9534	0.0274	0.9548	0.0263	28.253201	37.6051	59.0896	0	0.9685	0.0121	37.576599	28.6856	0.912	0.0043	0.6152
0.9573	0.0272	0.9587	0.0261	28.635401	38.0728	43.0742	0	0.9724	0.0118	37.999199	28.9332	0.9164	0.0057	0.6167
0.9593	0.0269	0.9606	0.0259	29.0212	38.5613	40.1698	0	0.974	0.0118	38.4734	29.2887	0.9186	0.0068	0.6179
0.9606	0.0276	0.962	0.0266	29.3088	39.0583	41.9755	0	0.9756	0.0121	38.9631	29.5832	0.9199	0.0074	0.6183
0.9614	0.0274	0.9626	0.0265	29.457001	39.5717	68.9486	0	0.9761	0.012	39.4119	29.9011	0.9212	0.0076	0.6186
0.9611	0.0276	0.9624	0.0267	29.426701	40.0282	52.8499	0	0.9757	0.0124	39.816799	29.7503	0.9201	0.0075	0.6184
0.9565	0.0351	0.9576	0.0338	28.8859	38.806	52.9784	0	0.9733	0.0174	38.260201	29.5502	0.9071	0.0057	0.9621
0.9689	0.0219	0.9696	0.0212	28.1315	38.1858	66.6468	0	0.9788	0.011	37.515598	29.0914	0.9371	0.0068	0.9746
0.9716	0.0193	0.9722	0.0187	28.0898	38.0439	68.6346	0	0.98	0.0099	37.425598	29.0954	0.9426	0.0073	0.9754
0.9726	0.0184	0.9732	0.0178	28.1064	37.889	68.051	0	0.9804	0.0096	37.302799	29.1088	0.945	0.0074	0.9754
0.9728	0.0179	0.9733	0.0174	28.154301	37.8385	67.1763	0	0.9802	0.0092	37.2612	29.1418	0.9464	0.0074	0.9756
0.9733	0.0172	0.9738	0.0167	28.191299	37.7963	66.1385	0	0.9805	0.0089	37.2234	29.1611	0.9478	0.0074	0.9756
0.9739	0.0167	0.9743	0.0163	28.2199	37.7406	64.4064	0	0.9809	0.0086	37.165001	29.1597	0.9499	0.0077	0.9759
0.9735	0.0169	0.9739	0.0165	28.243999	37.63	61.2677	0	0.9805	0.0087	37.070099	29.1353	0.9496	0.0075	0.9756
0.9738	0.0168	0.9743	0.0163	28.280001	37.578	58.7675	0	0.9806	0.0088	37.034401	29.1328	0.9487	0.0075	0.9757
0.9736	0.017	0.9741	0.0165	28.323299	37.5392	56.2968	0	0.9805	0.009	37.010799	29.1374	0.9485	0.0077	0.9758
0.9712	0.017	0.9725	0.0164	29.417299	40.0128	-10.0682	0	0.9795	0.0087	40.311298	29.5013	0.9359	0.0156	0.3303
0.9572	0.03	0.959	0.029	31.465599	41.5475	-88.5081	0	0.9729	0.0152	42.151299	31.195	0.9075	0.0102	0.2654
0.9549	0.0325	0.9567	0.0315	32.4813	42.3349	-114.341	0	0.972	0.0162	42.988899	32.1243	0.9036	0.0079	0.2638
0.9536	0.0337	0.9556	0.0326	33.333302	43.0185	-135.686	0	0.9711	0.017	43.712799	32.9108	0.9003	0.0078	0.2634
0.953	0.0339	0.9549	0.0329	34.112	43.7026	-152.084	0	0.9707	0.0169	44.389301	33.6382	0.8998	0.0075	0.263
0.9519	0.0357	0.9536	0.0344	34.539799	43.4128	-94.0177	0	0.9699	0.0175	43.412701	34.0694	0.9004	0.0055	0.4245
0.9559	0.0302	0.9574	0.029	34.415298	43.2134	-66.8585	0	0.9705	0.0149	42.9981	34.0061	0.9099	0.0061	0.4649
0.9556	0.0301	0.9569	0.0292	34.790699	43.3148	-81.0783	0	0.9703	0.0145	43.110802	34.3112	0.9128	0.0059	0.4648
0.9547	0.0296	0.9558	0.0289	35.259602	43.4392	-98.884	0	0.9692	0.014	43.2813	34.7001	0.9146	0.0056	0.4647
0.9532	0.0298	0.9544	0.029	35.712898	43.5594	-110.098	0	0.9673	0.0145	43.3936	35.1026	0.9119	0.0051	0.4642
0.9511	0.0303	0.9523	0.0295	36.220402	43.682	-125.315	0	0.9649	0.015	43.529999	35.5447	0.9079	0.0044	0.4633
0.9478	0.0307	0.949	0.03	36.709599	43.8227	-143.383	0	0.9613	0.0155	43.727501	35.9624	0.9036	0.0034	0.4619
0.9451	0.0307	0.9463	0.03	37.033501	43.9684	-151.416	0	0.9585	0.0154	43.9305	36.2636	0.9003	0.0024	0.4609
0.9396	0.0314	0.9408	0.0308	37.189499	43.9233	-156.631	0	0.9503	0.0165	44.060299	36.4247	0.8915	0.0008	0.4589
				30.070728										

STP-0604, SR2000, CAP 3 Cold Test, TN-20307

Time	Exp O2	Exp CO2	Ins O2	Ins CO2	Exp Vol	Ins Vol	Exp Prs Pk	Ins Prs Pk	Exp Prs Av	Ins Prs Av	Exp Time	Ins Time	Exp CO2 Pl
1.017	NaN	NaN	NaN	NaN	1.5138	1.5287	9.6614	-14.8616	4.3276	-4.9972	3.2883	1.365	0.0042
2.0175	0.5506	0.0163	0.6308	0.0046	1.6634	1.7189	29.7354	-109.22	21.0762	-82.7964	1.8	1.5167	0.021
3.018	0.544	0.0336	0.5756	0.01	1.6714	1.7106	33.7874	-43.3673	24.0112	-31.0055	1.8	1.5167	0.0431
4.0185	0.5281	0.0465	0.5595	0.0143	1.6763	1.7056	33.7348	-44.8651	23.5833	-32.1765	1.8	1.5167	0.059
5.0195	0.5138	0.05	0.5458	0.0159	1.6763	1.7056	33.6984	-45.2942	23.6294	-33.1911	1.8	1.5167	0.0643
6.0203	0.4999	0.0516	0.5328	0.0165	1.6762	1.7058	33.7186	-46.8364	23.9231	-34.0457	1.8	1.5167	0.0656
7.0045	0.4919	0.0511	0.5265	0.016	1.6762	1.7054	36.1757	-45.7961	25.6777	-33.3748	1.8	1.5167	0.0647
8.0056	0.5023	0.0499	0.5417	0.0152	1.6762	1.7048	36.872	-46.9134	26.1321	-33.9233	1.8	1.5167	0.0632
9.0065	0.5314	0.0468	0.5706	0.014	1.6689	1.7136	37.629	-47.6663	26.834	-34.2097	1.8	1.5167	0.0597
10.007	0.5637	0.0465	0.6024	0.0139	1.669	1.7141	38.2969	-47.9092	27.4791	-34.4664	1.8	1.5167	0.0592
11.008	0.5954	0.0461	0.6327	0.014	1.6739	1.7087	38.9162	-48.3504	27.8573	-34.7568	1.8	1.5167	0.0592
12.009	0.625	0.0461	0.6619	0.0141	1.6739	1.7077	39.5598	-48.4637	28.5886	-34.6866	1.8	1.5167	0.0589
13.01	0.6556	0.0453	0.6917	0.0142	1.6715	1.7103	38.8272	-49.5081	28.7906	-35.1568	1.8	1.5167	0.0583
14.01	0.6868	0.0453	0.7225	0.0143	1.6715	1.7098	39.0984	-50.338	28.6944	-35.8144	1.8	1.5167	0.0579
15.011	0.7075	0.0532	0.749	0.0171	1.6721	1.7095	40.503	-49.8401	29.645	-35.3822	1.8	1.5167	0.0684
16.013	0.7305	0.0431	0.7666	0.0139	1.6765	1.7058	39.9808	-50.423	30.294	-35.2663	1.8	1.5167	0.0555
17.015	0.7414	0.0495	0.7813	0.0161	1.6729	1.7086	42.5473	-50.1679	32.5008	-33.9447	1.8	1.5167	0.064
18.018	0.7623	0.042	0.7968	0.0129	1.6765	1.705	47.923	-49.2652	36.8288	-31.9484	1.8	1.5167	0.0544
19.019	0.7738	0.0473	0.8113	0.0137	1.6736	1.7086	47.6761	-50.2084	37.0474	-32.7101	1.8	1.5167	0.0611
20.02	0.7873	0.0406	0.821	0.0117	1.6765	1.7053	47.1903	-51.2366	36.7066	-33.4069	1.8	1.5167	0.0522
21.021	0.8018	0.0416	0.8339	0.012	1.6754	1.7065	46.9029	-51.4876	36.8934	-33.6596	1.8	1.5167	0.0539
22.022	0.8053	0.0472	0.8422	0.0135	1.6754	1.7068	48.5019	-51.7791	37.2257	-33.9406	1.8	1.5167	0.0615
23.006	0.8186	0.0407	0.8509	0.0115	1.6765	1.7049	47.6275	-52.4186	37.1179	-34.4731	1.8	1.5167	0.0531
24.006	0.8297	0.0421	0.8612	0.0118	1.6765	1.7056	47.9068	-52.8234	37.4395	-34.8818	1.8	1.5167	0.0547
25.011	0.8348	0.0479	0.8704	0.0133	1.6748	1.7073	48.5828	-53.1554	37.8678	-35.1115	1.8	1.5167	0.0626
26.015	0.843	0.0404	0.8747	0.0112	1.6765	1.7052	48.2266	-54.1633	37.881	-35.8367	1.8	1.5167	0.0525
27.019	0.8517	0.0412	0.8821	0.0114	1.6765	1.7063	48.4857	-54.6896	38.1434	-36.3209	1.8	1.5167	0.0531
28.021	0.8603	0.0421	0.8903	0.0116	1.6765	1.7054	49.5341	-55.151	38.4454	-36.6673	1.8	1.5167	0.0549
29.005	0.8676	0.0435	0.898	0.0119	1.6753	1.7054	49.6636	-55.6246	38.9036	-37.066	1.8	1.5167	0.0568
30.006	0.865	0.0455	0.8985	0.0126	1.6765	1.7061	50.8254	-56.5516	39.416	-37.5968	1.8	1.5167	0.0602
31.007	0.8721	0.0402	0.9012	0.0111	1.6765	1.7056	49.7527	-57.3248	39.4423	-38.1631	1.8	1.5167	0.053
32.007	0.8768	0.0423	0.9061	0.0116	1.6765	1.7059	50.4085	-58.0211	39.6425	-38.6926	1.8	1.5167	0.0551
33.008	0.883	0.0423	0.9118	0.0116	1.6765	1.7068	51.3314	-58.6768	39.9486	-39.0867	1.8	1.5167	0.0557
34.008	0.8877	0.0426	0.9162	0.0117	1.6765	1.7059	51.1978	-58.8428	40.1768	-39.4248	1.8	1.5167	0.0563
35.009	0.894	0.0421	0.9218	0.0116	1.6765	1.7048	51.299	-58.8914	40.3646	-39.6276	1.8	1.5167	0.0552
36.009	0.8972	0.044	0.9261	0.0122	1.6757	1.7059	52.3272	-59.2071	40.787	-39.7869	1.8	1.5167	0.058
37.01	0.8926	0.0438	0.9237	0.0119	1.6765	1.7053	51.6876	-59.6362	40.8144	-40.3361	1.8	1.5167	0.0569
38.01	0.8952	0.0406	0.9228	0.0114	1.6765	1.7058	52.728	-60.3082	40.9238	-40.4083	1.8	1.5167	0.0533
39.011	0.8981	0.0421	0.9255	0.012	1.6765	1.7043	52.2867	-60.4498	41.1677	-40.5032	1.8	1.5167	0.0553
40.012	0.9019	0.0426	0.929	0.0124	1.6765	1.7056	52.3353	-60.8385	41.2748	-40.8687	1.8	1.5167	0.0564
41.012	0.9053	0.0427	0.9323	0.0124	1.6765	1.7069	53.0397	-60.8911	41.4014	-41.2098	1.8	1.5167	0.0562
42.013	0.9086	0.0428	0.9351	0.0128	1.6765	1.7055	53.0235	-61.389	41.5957	-41.0872	1.8	1.5167	0.0561
43.013	0.9118	0.0425	0.938	0.0128	1.6765	1.7048	53.0639	-61.5388	41.8658	-41.4328	1.8	1.5167	0.0563
44.014	0.9133	0.0431	0.9397	0.0129	1.6765	1.7051	53.0761	-61.814	41.8485	-41.6174	1.8	1.5167	0.0566
45.015	0.9154	0.043	0.9417	0.0131	1.6766	1.7067	54.2662	-62.3767	42.0283	-41.8207	1.8	1.5167	0.0569
46.016	0.9172	0.0431	0.9435	0.013	1.6766	1.7062	53.7278	-62.2512	42.1204	-42.0176	1.8	1.5167	0.0563
47.016	0.9185	0.0432	0.9446	0.0132	1.6766	1.7048	53.9869	-62.7248	42.1121	-42.2206	1.8	1.5167	0.0572
48.017	0.92	0.0429	0.9461	0.013	1.6766	1.7059	53.5497	-62.6074	42.2335	-42.4815	1.8	1.5167	0.0564
49.017	0.9201	0.044	0.9469	0.0135	1.6766	1.7049	53.9019	-62.9191	42.4099	-42.4661	1.8	1.5167	0.0579
50.018	0.9217	0.0431	0.9476	0.0134	1.6766	1.706	54.1529	-63.0082	42.4766	-42.6131	1.8	1.5167	0.0566
51.019	0.922	0.0434	0.948	0.0136	1.6766	1.705	54.2986	-63.1539	42.4651	-42.8513	1.8	1.5167	0.0573
52.019	0.9227	0.0433	0.9487	0.0135	1.6766	1.7057	54.246	-63.4575	42.5874	-42.9566	1.8	1.5167	0.0569
53.02	0.9223	0.0439	0.9483	0.0142	1.6766	1.7052	54.0921	-64.1214	42.7404	-42.8667	1.8	1.5167	0.0584
54.021	0.923	0.0436	0.949	0.0138	1.6766	1.7053	54.6629	-64.0728	42.9399	-43.1313	1.8	1.5167	0.0578
55.021	0.9238	0.0436	0.9496	0.0139	1.6766	1.7049	54.5131	-63.8421	42.8804	-43.256	1.8	1.5167	0.0575
56.022	0.9231	0.0438	0.9486	0.0143	1.6766	1.7057	54.8774	-64.2995	43.074	-43.2557	1.8	1.5167	0.0576
57.006	0.9226	0.044	0.9483	0.0144	1.6766	1.7048	54.9665	-64.3643	43.2109	-43.4947	1.8	1.5167	0.0581
58.006	0.9219	0.0443	0.9475	0.0148	1.6766	1.7058	54.8653	-64.7164	43.2688	-43.4305	1.8	1.5167	0.059
59.007	0.9216	0.0444	0.9472	0.0147	1.6766	1.7055	55.1163	-64.8176	43.3081	-43.5433	1.8	1.5167	0.0584
60.007	0.9201	0.0449	0.9461	0.0149	1.6766	1.7043	55.6182	-65.2022	43.4692	-43.8977	1.8	1.5167	0.059
61.008	0.9199	0.0445	0.9455	0.0148	1.6766	1.7048	55.849	-65.5179	43.6938	-44.1004	1.8	1.5167	0.0581
62.009	0.9191	0.0443	0.9445	0.0148	1.6766	1.7056	55.8571	-65.7406	43.9254	-44.252	1.8	1.5167	0.0583
63.009	0.9181	0.044	0.943	0.0149	1.6766	1.707	56.1161	-66.1778	44.0189	-44.6427	1.8	1.5167	0.058
64.01	0.9164	0.0448	0.942	0.0151	1.6766	1.7055	56.1688	-66.9914	44.1704	-44.8215	1.8	1.5167	0.059
65.011	0.915	0.0446	0.9402	0.0152	1.6766	1.7044	56.5493	-67.0562	44.3357	-45.1002	1.8	1.5167	0.0582
66.011	0.9126	0.0452	0.938	0.0155	1.6766	1.7046	57.0391	-67.4205	44.6351	-45.3261	1.8	1.5167	0.059
67.013	0.9111	0.0451	0.9362	0.0157	1.6766	1.7053	57.452	-68.2503	44.8302	-45.5624	1.8	1.5167	0.0592
68.013	0.9091	0.0448	0.9339	0.0157	1.6766	1.7054	57.8649	-68.9506	45.1969	-46.1466	1.8	1.5167	0.0589
69.016	0.9077	0.0449	0.9321	0.016	1.6766	1.7053	58.6056	-69.8493	45.4638	-46.566	1.8	1.5167	0.059
70.017	0.9059	0.0454	0.9305	0.0162	1.6766	1.7053	58.6907	-70.501	45.8727	-47.0287	1.8	1.5167	0.06
71.018	0.9038	0.0457	0.9285	0.0164	1.6766	1.7048	59.1764	-71.6223	46.1832	-47.4058	1.8	1.5167	0.0601
72.018	0.9027	0.0454	0.9273	0.0163	1.6766	1.7038	60.2006	-72.0271	46.5271	-47.9018	1.8	1.5167	0.06
73.02	0.9015	0.0454	0.9259	0.0163	1.6766	1.7043	60.1277	-73.0675	46.3457	-49.4016	1.8	1.5167	0.0597
74.02	0.8999	0.0454	0.9245	0.016	1.6766	1.7052	60.3584	-74.5085	45.524	-51.7058	1.8	1.5167	0.0597
75.021	0.8978	0.0454	0.9222	0.0162	1.6766	1.7058	60.6499	-76.2208	45.1356	-54.0052	1.8	1.5167	0.0605
76.021	0.8962	0.0455	0.9208	0.0161	1.6766	1.7058	61.253	-78.4432	45.3967	-55.9864	1.8	1.5167	0.06
77.005	0.8946	0.0453	0.9191	0.0159	1.6765	1.7049	61.9048	-80.3538	45.6121	-57.6477	1.8	1.5167	0.0596
78.006	0.8915	0.0455	0.9161	0.0159	1.6765	1.7054	62.3622	-81.7464	45.8148	-59.0715	1.8	1.5167	0.0599
79.007	0.8905	0.0456	0.9151	0.0159	1.6765	1.7053	63.0949	-83.9809	46.0786	-60.7189	1.8	1.5167	0.0597
80.007	0.8901	0.0459	0.9149	0.0159	1.6765	1.7059	63.3216	-85.9967	46.3624	-62.2854	1.8	1.5167	0.0602
81.008	0.8878	0.0455	0.912	0.0159	1.6765	1.7048	63.5563	-87.0816	46.5335	-63.3149	1.8	1.5167	0.0598
82.009	0.8857	0.0453	0.9095	0.0158	1.6765	1.7055	65.2484	-88.4175	47.612	-64.1993	1.8	1.5167	0.0598
83.01	0.8836	0.0459	0.9078	0.0158	1.6765	1.7033	66.4871	-90.0447	48.2418	-65.618	1.8	1.5167	0.0601
84.011	0.8802	0.0458	0.9038	0.0159	1.6765	1.7036	66.3737	-92.1497	48.2244	-66.9774	1.8	1.5167	0.0603
85.012	0.8761	0.0464	0.9001	0.0158	1.6765	1.7071	66.5559	-94.1616	47.9602	-69.1548	1.8	1.5167	0.0604
86.013	0.8728	0.0458	0.8955	0.0157	1.6765	1.7061	67.1024	-98.3877	44.5889	-75.4553	1.8	1.5167	0.0599
				0.01391			51.74697	-63.2229					

Ins CO2Mi	VO2	Stpd VCO2	Stpc	VE	Stpd	RR	Spare	InsWB End	InsDB End	ExpDB End	ExpWB En	ExpDB End	Time (min)	ExpH2OVa	InsH2OVap	Avg Exh O2
0.0022	0.5	0.5		27.3905	16.6411	0	14.078	11.2842	19.37	17.6526	19.37	1.017	603.9926	655.0734	0.5808
0	1.35	1.15		30.0911	18.0905	0	17.6607	13.5796	27.112	26.7363	27.112	2.0175	902.2436	924.2751	0.6771
0.0003	1.35	1.15		30.2362	18.0905	0	21.9603	19.0199	31.9513	31.0874	31.9513	3.018	1055.31	1043.054	0.7225
0.0004	1.35	1.15		30.3246	18.0905	0	22.8942	20.3205	31.7459	31.0454	31.7459	4.0185	1087.55	1074.278	0.7273
0.0005	1.35	1.15		30.3243	18.0905	0	23.2686	20.9387	31.6214	31.003	31.6214	5.0195	1099.738	1086.731	0.7292
0.0005	1.35	1.15		30.324	18.0905	0	23.4604	21.3286	31.531	30.9461	31.531	6.0203	1105.442	1092.005	0.7303
0.0005	1.35	1.15		30.3236	18.0905	0	23.8238	22.1473	32.0582	31.3727	32.0582	7.0045	1129.94	1111.547	0.7345
0.0005	1.35	1.15		30.3238	18.0905	0	24.6774	24.5118	33.4599	32.4946	33.4599	8.0056	1193.653	1155.519	0.7482
0.0004	1.35	1.15		30.1917	18.0905	0	24.8803	25.9146	33.5168	32.6656	33.5168	9.0065	1195.855	1149.156	0.7522
0.0005	1.35	1.15		30.1925	18.0905	0	24.9132	26.6838	33.2796	32.5758	33.2796	10.0073	1183.992	1137.131	0.7528
0.0006	1.35	1.15		30.2818	18.0905	0	24.8214	27.186	33.062	32.383	33.062	11.0082	1172.456	1123.667	0.7525
0.0007	1.35	1.15		30.2824	18.0905	0	24.6827	27.5546	32.8072	32.1928	32.8072	12.0089	1155.776	1107.328	0.752
0.0008	1.35	1.15		30.2387	18.0905	0	24.5042	27.8733	32.6268	31.9761	32.6268	13.0098	1136.853	1086.858	0.7518
0.0009	1.35	1.15		30.2391	18.0905	0	24.3178	28.0898	32.3986	31.7365	32.3986	14.0104	1117.523	1066.945	0.7513
0.0011	1.35	1.15		30.2501	18.0905	0	24.3773	28.3276	32.2247	31.5931	32.2247	15.0114	1114.812	1062.292	0.7512
0.0009	1.35	1.15		30.3283	18.0905	0	24.0888	28.502	32.1082	31.4401	32.1082	16.0125	1096.849	1043.275	0.751
0.001	1.35	1.15		30.2642	18.0905	0	24.0814	28.6739	32.0236	31.4067	32.0236	17.0155	1090.792	1038.453	0.7511
0.0008	1.35	1.15		30.3286	18.0905	0	23.7802	28.8547	31.9491	31.2717	31.9491	18.0176	1074.085	1018.684	0.7511
0.0008	1.35	1.15		30.2765	18.0905	0	23.8184	29.0367	31.8433	31.1937	31.8433	19.0191	1067.17	1011.856	0.751
0.0007	1.35	1.15		30.3288	18.0905	0	23.7048	29.2383	31.7619	31.0752	31.7619	20.0198	1058.06	1002.758	0.751
0.0007	1.35	1.15		30.3082	18.0905	0	23.768	29.4702	31.6949	31.0258	31.6949	21.0208	1054.334	1001.48	0.7517
0.0007	1.35	1.15		30.3083	18.0905	0	23.9603	29.6745	31.6869	31.0423	31.6869	22.0215	1061.652	1008.708	0.7523
0.0007	1.35	1.15		30.329	18.0905	0	23.9396	29.9266	31.697	30.996	31.697	23.0058	1054.326	1004.956	0.753
0.0006	1.35	1.15		30.3291	18.0905	0	24.1281	30.2501	31.6927	31.0407	31.6927	24.0064	1060.111	1011.394	0.7541
0.0007	1.35	1.15		30.2977	18.0905	0	24.4155	30.5533	31.7097	31.0938	31.7097	25.0106	1070.648	1022.63	0.7551
0.0006	1.35	1.15		30.3292	18.0905	0	24.4793	30.9389	31.6933	31.114	31.6933	26.0147	1072.61	1022.867	0.7564
0.0005	1.35	1.15		30.3292	18.0905	0	24.6636	31.1124	31.698	31.1373	31.698	27.0194	1077.89	1030.74	0.7572
0.0005	1.35	1.15		30.3293	18.0905	0	24.9308	31.4826	31.7512	31.1878	31.7512	28.0208	1088.366	1041.285	0.7584
0.0005	1.35	1.15		30.3069	18.0905	0	25.2086	31.7746	31.7933	31.2595	31.7933	29.0051	1097.927	1054.102	0.7599
0.0005	1.35	1.15		30.3294	18.0905	0	25.5247	32.0507	31.8039	31.3445	31.8039	30.0059	1114.755	1070.305	0.7613
0.0004	1.35	1.15		30.3294	18.0905	0	25.6256	32.3773	31.8959	31.3828	31.8959	31.0065	1116.091	1072.087	0.7626
0.0004	1.35	1.15		30.3294	18.0905	0	25.88	32.7534	31.9497	31.4529	31.9497	32.007	1126.343	1083.665	0.7643
0.0004	1.35	1.15		30.3295	18.0905	0	26.143	33.1178	32.0156	31.5506	32.0156	33.0076	1139.788	1095.675	0.7658
0.0004	1.35	1.15		30.3295	18.0905	0	26.4235	33.6498	32.0725	31.6213	32.0725	34.0082	1149.502	1106.606	0.7677
0.0004	1.35	1.15		30.3295	18.0905	0	26.6439	33.6748	32.1571	31.7121	32.1571	35.0088	1160.261	1120.218	0.7687
0.0004	1.35	1.15		30.3151	18.0905	0	26.8282	33.9855	32.2321	31.7796	32.2321	36.0092	1167.468	1128.165	0.7701
0.0004	1.35	1.15		30.3296	18.0905	0	27.0742	34.2264	32.3007	31.8662	32.3007	37.0098	1182.296	1141.958	0.7713
0.0003	1.35	1.15		30.3295	18.0905	0	27.0768	34.3493	32.3401	31.9044	32.3401	38.0104	1178.577	1142.053	0.7721
0.0004	1.35	1.15		30.3295	18.0905	0	27.2527	34.4956	32.4008	31.9575	32.4008	39.011	1186.599	1150.936	0.7729
0.0004	1.35	1.15		30.3296	18.0905	0	27.3961	34.5286	32.4811	32.0053	32.4811	40.0116	1193.924	1158.006	0.7736
0.0004	1.35	1.15		30.3296	18.0905	0	27.496	34.7887	32.5199	32.0383	32.5199	41.012	1198.111	1162	0.7748
0.0004	1.35	1.15		30.3296	18.0905	0	27.6245	34.9967	32.5635	32.1025	32.5635	42.0126	1202.006	1168.806	0.7756
0.0004	1.35	1.15		30.3296	18.0905	0	27.6936	35.0472	32.6119	32.1397	32.6119	43.0133	1206.938	1172.522	0.776
0.0004	1.35	1.15		30.3297	18.0905	0	27.7791	35.1488	32.6385	32.1615	32.6385	44.0139	1210.04	1176.799	0.7765
0.0004	1.35	1.15		30.3297	18.0905	0	27.8471	35.1973	32.6657	32.1944	32.6657	45.0145	1214.251	1181.307	0.7769
0.0004	1.35	1.15		30.3297	18.0905	0	27.9204	35.2526	32.6891	32.2215	32.6891	46.0157	1218.025	1184.959	0.7769
0.0004	1.35	1.15		30.3297	18.0905	0	27.9772	35.2249	32.7061	32.2306	32.7061	47.0163	1220.61	1188.601	0.7769
0.0004	1.35	1.15		30.3297	18.0905	0	28.0654	35.4499	32.7274	32.2412	32.7274	48.0168	1223.972	1191.694	0.7779
0.0004	1.35	1.15		30.3297	18.0905	0	28.1653	35.4521	32.7455	32.2747	32.7455	49.0174	1228.518	1197.638	0.7782
0.0004	1.35	1.15		30.3297	18.0905	0	28.2365	35.5776	32.8125	32.3304	32.8125	50.0179	1235.259	1203.693	0.7787
0.0004	1.35	1.15		30.3297	18.0905	0	28.629	36.0346	34.1791	33.1772	34.1791	51.0185	1274.25	1242.571	0.7876
0.0004	1.35	1.15		30.3297	18.0905	0	29.2213	36.7825	35.4914	34.0414	35.4914	52.0191	1328.887	1297.204	0.7971
0.0004	1.35	1.15		30.3298	18.0905	0	29.4194	36.8399	35.2999	34.1163	35.2999	53.0198	1340.48	1313.525	0.7966
0.0004	1.35	1.15		30.3297	18.0905	0	29.4508	36.775	34.9467	34.0297	34.9467	54.0205	1342.57	1315.59	0.7944
0.0004	1.35	1.15		30.3297	18.0905	0	29.4641	36.6171	34.5546	33.8613	34.5546	55.0212	1338.205	1314.492	0.7916
0.0005	1.35	1.15		30.3298	18.0905	0	29.4965	36.5367	34.2062	33.6499	34.2062	56.0217	1333.76	1311.91	0.7892
0.0005	1.35	1.15		30.3298	18.0905	0	29.5145	36.3564	33.8908	33.3801	33.8908	57.0057	1327.725	1305.107	0.7871
0.0004	1.35	1.15		30.3298	18.0905	0	29.6787	36.3968	33.9344	33.3376	33.9344	58.0062	1333.01	1311.093	0.7876
0.0004	1.35	1.15		30.3298	18.0905	0	30.323	37.2974	35.7952	34.29	35.7952	59.0068	1388.772	1367.299	0.8007
0.0004	1.35	1.15		30.3298	18.0905	0	30.6603	37.4161	35.8196	34.5041	35.8196	60.0074	1416.086	1397.18	0.8016
0.0005	1.35	1.15		30.3298	18.0905	0	30.7931	37.3666	35.3701	34.4351	35.3701	61.0081	1424.086	1406.078	0.799
0.0005	1.35	1.15		30.3298	18.0905	0	30.9265	37.5645	34.9068	34.2762	34.9068	62.0088	1426.125	1409.485	0.7969
0.0005	1.35	1.15		30.3298	18.0905	0	31.0678	37.5187	34.5227	34.0621	34.5227	63.0094	1429.412	1412.048	0.7945
0.0005	1.35	1.15		30.3298	18.0905	0	31.2043	37.3575	34.128	33.7572	34.128	64.01	1430.875	1411.176	0.7922
0.0005	1.35	1.15		30.3297	18.0905	0	31.2855	37.1974	33.8338	33.464	33.8338	65.0108	1428.182	1406.252	0.7904
0.0005	1.35	1.15		30.3298	18.0905	0	31.694	37.6326	34.6648	33.9293	34.6648	66.0114	1461.377	1440.622	0.7962
0.0005	1.35	1.15		30.3297	18.0905	0	32.3735	38.4379	36.058	34.8281	36.058	67.0127	1526.737	1508.432	0.8066
0.0005	1.35	1.15		30.3297	18.0905	0	32.6693	38.3347	35.7883	34.8451	35.7883	68.0133	1547.139	1532.992	0.8047
0.0005	1.35	1.15		30.3297	18.0905	0	32.8452	38.115	35.3169	34.7368	35.3169	69.0163	1551.704	1543.955	0.8017
0.0005	1.35	1.15		30.3297	18.0905	0	33.0194	37.9102	34.9318	34.5206	34.9318	70.017	1554.319	1549.854	0.7991
0.0005	1.35	1.15		30.3297	18.0905	0	33.2154	37.8448	34.6632	34.2608	34.6632	71.0177	1552.868	1551.323	0.7975
0.0004	1.35	1.15		30.3297	18.0905	0	33.3854	37.8672	34.4387	34.0483	34.4387	72.0183	1548.492	1551.884	0.7968
0.0004	1.35	1.15		30.3297	18.0905	0	33.5745	38.14	34.3397	33.9208	34.3397	73.0195	1545.235	1555.307	0.7973
0.0004	1.35	1.15		30.3297	18.0905	0	33.8045	38.2262	34.3036	33.8752	34.3036	74.0203	1550.208	1566.428	0.7976
0.0004	1.35	1.15		30.3297	18.0905	0	34.0653	38.4443	34.3328	33.9038	34.3328	75.0209	1560.028	1581.665	0.7985
0.0004	1.35	1.15		30.3297	18.0905	0	34.3607	38.5821	34.4126	33.9655	34.4126	76.0214	1574.098	1600.654	0.7998
0.0004	1.35	1.15		30.3297	18.0905	0	34.6241	38.5108	34.5557	34.102	34.5557	77.0053	1593.016	1623.695	0.8008
0.0004	1.35	1.15		30.3297	18.0905	0	34.9163	38.6284	34.7621	34.2746	34.7621	78.0059	1615.869	1649.887	0.8026
0.0004	1.35	1.15		30.3296	18.0905	0	35.1261	38.5364	34.9643	34.4759	34.9643	79.0065	1638.646	1672.37	0.8035
0.0004	1.35	1.15		30.3296	18.0905	0	35.3105	38.6406	35.1643	34.6523	35.1643	80.0071	1657.485	1691.548	0.8052
0.0004	1.35	1.15		30.3296	18.0905	0	35.4778	38.772	35.3744	34.8473	35.3744	81.0077	1677.965	1712.21	0.8068
0.0004	1.35	1.15		30.3296	18.0905	0	35.7237	38.8481	35.5601	35.0512	35.5601	82.0089	1700.542	1736.819	0.8082
0.0004	1.35	1.15		30.3296	18.0905	0	35.8996	38.8603	35.7425	35.1925	35.7425	83.0099	1718.902	1754.485	0.8093
0.0004	1.35	1.15		30.3296	18.0905	0	36.1115	39.1646	35.8973	35.3381	35.8973	84.0109	1736.28	1772.381	0.8112
0.0004	1.35	1.15		30.3296	18.0905	0	36.3899	39.3242	36.0415	35.4996	36.0415	85.0121	1758.185	1799.376	0.8128
0.0004	1.35	1.15		30.3295	18.0905	0	36.6023	39.247	36.1723	35.6281	36.1723	86.0132	1776.845	1820.053	0.8134

MouthO2T	Mth CO2T/	MouthO2V	Mth CO2V/	InsWBAvgTp	InsDBAvgT	VH2o	ExpCO2Mi	InO2TimAv	InCO2Tim/	ExpTpDBA	ExpTpWBAv	ExpO2Min	N2TransIm	O2TransImb
0.1964	0.003	NaN	NaN	15.6667	13.8729	-51.0808	0	0.1995	0.0028	17.5218	16.473801	0.1896	0.0025	0
0.5967	0.0106	0.5907	0.0105	21.8948	18.6585	-22.0313	0	0.6355	0.0053	24.0315	23.0912	0.4839	0.1921	0.2068
0.5607	0.0221	0.5598	0.0218	26.443899	24.2057	12.256	0	0.5759	0.0114	29.1172	27.767099	0.524	0.0062	0.258
0.5439	0.0308	0.5438	0.0304	27.0158	25.1208	13.2726	0	0.5586	0.0161	29.3302	28.148199	0.5116	0	0.2499
0.5299	0.0333	0.5298	0.0329	27.265499	25.5428	13.0076	0	0.5448	0.0178	29.3655	28.292601	0.4963	0	0.2422
0.5165	0.0344	0.5163	0.034	27.3762	25.7473	13.4362	0	0.5318	0.0183	29.4145	28.366899	0.4828	0	0.2344
0.5093	0.0339	0.5092	0.0335	27.735701	26.3294	18.3928	0	0.5255	0.0179	29.8378	28.7255	0.4751	0	0.2296
0.5219	0.033	0.522	0.0326	28.6371	28.1423	38.1335	0	0.5402	0.0172	31.2107	29.691999	0.484	0.0052	0.2346
0.5508	0.0308	0.551	0.0304	28.751699	28.7334	46.6991	0	0.5689	0.0159	31.5821	29.8451	0.513	0.0061	0.2494
0.5827	0.0306	0.5831	0.0302	28.645	28.8488	46.8615	0	0.6006	0.0158	31.5915	29.724701	0.5461	0.005	0.2661
0.6136	0.0305	0.614	0.0301	28.460899	28.8519	48.7896	0	0.6309	0.0159	31.5423	29.5592	0.5772	0.0076	0.2816
0.643	0.0305	0.6435	0.0301	28.2705	28.811	48.4484	0	0.66	0.016	31.459	29.367901	0.6071	0.0054	0.2955
0.6731	0.0302	0.6737	0.0298	28.0604	28.8203	49.9947	0	0.6898	0.0161	31.3935	29.172001	0.6376	0.0054	0.3088
0.7041	0.0302	0.7046	0.0298	27.8318	28.8136	50.5782	0	0.7205	0.0161	31.3038	28.946301	0.6692	0.0056	0.322
0.7275	0.0357	0.7282	0.0352	27.7799	28.8414	52.5201	0	0.7467	0.0192	31.256	28.902201	0.6863	0.0042	0.3323
0.7481	0.0289	0.7486	0.0285	27.5277	28.8376	53.5749	0	0.7648	0.0156	31.2045	28.665701	0.7108	0.0066	0.3408
0.7607	0.0332	0.7613	0.0328	27.508301	28.8859	52.3384	0	0.7792	0.018	31.1787	28.619301	0.7198	0.0021	0.3462
0.7789	0.0279	0.7796	0.0274	27.2528	28.8973	55.4014	0	0.7949	0.0146	31.1623	28.406799	0.7421	0.0062	0.3529
0.7918	0.0311	0.7925	0.0305	27.2013	28.9342	55.314	0	0.8091	0.0158	31.1079	28.338499	0.7531	0.0036	0.3583
0.8036	0.0266	0.8042	0.0262	27.085199	28.9886	55.302	0	0.8192	0.0135	31.0755	28.2094	0.7681	0.0032	0.3622
0.8171	0.0273	0.8178	0.0268	27.1075	29.111	52.8541	0	0.832	0.0139	31.0953	28.1803	0.7827	0.008	0.367
0.823	0.031	0.8237	0.0304	27.2202	29.2227	52.9435	0	0.84	0.0157	31.1309	28.2698	0.7834	0.0006	0.3698
0.8341	0.0266	0.8347	0.0261	27.192101	29.3254	49.3698	0	0.849	0.0134	31.1923	28.193899	0.7986	0.004	0.3735
0.8447	0.0275	0.8455	0.027	27.312799	29.5126	48.7173	0	0.8593	0.0137	31.2526	28.271999	0.8105	0.0077	0.3772
0.8518	0.0312	0.8526	0.0306	27.4939	29.6705	48.018	0	0.8683	0.0155	31.3455	28.421499	0.8134	0.0035	0.38
0.8582	0.0263	0.8588	0.0258	27.532801	29.8755	49.7425	0	0.8729	0.0131	31.4571	28.4559	0.8226	0.0019	0.3818
0.8663	0.0268	0.8669	0.0263	27.649099	29.9831	47.15	0	0.8804	0.0132	31.5357	28.5313	0.8325	0.0045	0.3844
0.8746	0.0274	0.8753	0.0269	27.8176	30.1881	47.0811	0	0.8885	0.0136	31.6252	28.6653	0.8412	0.0074	0.3873
0.8821	0.0283	0.8828	0.0277	28.0114	30.3592	43.825	0	0.8962	0.014	31.7818	28.811899	0.8484	0.0076	0.3898
0.8811	0.0297	0.8817	0.0291	28.2332	30.5744	44.45	0	0.8965	0.0148	31.8939	29.0079	0.843	0.0004	0.3899
0.8861	0.0262	0.8866	0.0257	28.2987	30.7781	44.0038	0	0.8995	0.013	32.0154	29.0483	0.8522	0.0015	0.3914
0.8908	0.0275	0.8914	0.0269	28.4834	31.0331	42.6775	0	0.9043	0.0136	32.1495	29.1856	0.8571	0.0032	0.393
0.8967	0.0275	0.8974	0.0269	28.662701	31.2508	44.1129	0	0.91	0.0136	32.2847	29.3556	0.863	0.005	0.3947
0.9013	0.0277	0.902	0.0271	28.845699	31.5474	42.8955	0	0.9144	0.0137	32.4528	29.492201	0.8681	0.0066	0.3964
0.9072	0.0274	0.9079	0.0269	29.0077	31.6219	40.0427	0	0.92	0.0136	32.5929	29.632799	0.8749	0.0085	0.3983
0.911	0.0287	0.9117	0.0281	29.1367	31.8036	39.3032	0	0.9243	0.0142	32.7514	29.7453	0.8772	0.0066	0.3997
0.9076	0.0284	0.9081	0.0278	29.311501	31.9686	40.3371	0	0.9219	0.0139	32.8601	29.9132	0.8719	0.0003	0.3985
0.9084	0.0265	0.909	0.026	29.33	32.0509	36.5238	0	0.9212	0.0133	32.9643	29.896799	0.875	0.0003	0.3986
0.9112	0.0276	0.9118	0.027	29.447399	32.1681	35.6629	0	0.9239	0.0139	33.0529	29.996201	0.8781	0.0013	0.3995
0.9148	0.028	0.9154	0.0275	29.539801	32.2585	35.9184	0	0.9274	0.0143	33.1118	30.0821	0.8814	0.0025	0.4005
0.9182	0.0281	0.9188	0.0275	29.614	32.4167	36.1115	0	0.9306	0.0143	33.2246	30.146999	0.8854	0.0036	0.4016
0.9213	0.0283	0.9219	0.0278	29.7073	32.5286	33.1999	0	0.9335	0.0146	33.2993	30.201	0.8889	0.0047	0.4026
0.9243	0.0282	0.9249	0.0276	29.7542	32.5711	34.4157	0	0.9363	0.0146	33.3507	30.260599	0.8917	0.0056	0.4035
0.9259	0.0285	0.9265	0.028	29.810699	32.6333	33.2414	0	0.9381	0.0148	33.4042	30.3022	0.8935	0.0063	0.4042
0.928	0.0286	0.9286	0.028	29.8708	32.7022	32.9433	0	0.9401	0.0149	33.4542	30.354099	0.8955	0.0069	0.4047
0.9299	0.0285	0.9304	0.028	29.9088	32.7063	33.0656	0	0.9419	0.0148	33.4487	30.3904	0.8979	0.0075	0.4053
0.931	0.0287	0.9316	0.0282	29.9422	32.6891	32.009	0	0.943	0.0151	33.4595	30.4181	0.8981	0.008	0.4057
0.9326	0.0284	0.9331	0.0279	30.0028	32.8328	32.2779	0	0.9445	0.0148	33.534	30.466101	0.9005	0.0084	0.4062
0.933	0.0293	0.9335	0.0288	30.069599	32.8664	30.88	0	0.9453	0.0154	33.5866	30.521299	0.9002	0.0086	0.4063
0.9342	0.0287	0.9346	0.0282	30.1409	32.9178	31.5667	0	0.946	0.0151	33.6371	30.5975	0.902	0.0089	0.4067
0.9345	0.029	0.935	0.0285	30.704201	33.832	31.6792	0	0.9464	0.0154	34.7933	31.195101	0.9018	0.0091	0.4068
0.9352	0.0289	0.9357	0.0284	31.4254	34.8473	31.6831	0	0.9472	0.0152	36.0032	31.935801	0.9028	0.0093	0.4071
0.9348	0.0296	0.9353	0.0291	31.574699	34.8282	26.955	0	0.9467	0.0159	35.8855	32.0201	0.9015	0.0095	0.4069
0.9355	0.0292	0.936	0.0287	31.558201	34.638	26.9795	0	0.9475	0.0156	35.5766	31.982201	0.9021	0.0097	0.4073
0.9362	0.0292	0.9367	0.0287	31.490601	34.3338	23.713	0	0.9481	0.0157	35.2215	31.8766	0.9029	0.0098	0.4075
0.9354	0.0295	0.9359	0.0291	31.422701	34.1028	21.8498	0	0.9473	0.016	34.9121	31.778099	0.9025	0.0098	0.4072
0.935	0.0296	0.9355	0.0292	31.315001	33.8734	22.6183	0	0.9469	0.0161	34.6516	31.6737	0.9015	0.0096	0.407
0.9342	0.03	0.9347	0.0296	31.386101	33.9527	21.9165	0	0.9462	0.0165	34.7019	31.731501	0.9002	0.0094	0.4066
0.9339	0.0299	0.9344	0.0295	32.161999	35.3334	21.4737	0	0.9459	0.0164	36.3598	32.540901	0.9001	0.0093	0.4066
0.9326	0.0303	0.9331	0.0299	32.453098	35.4514	18.9065	0	0.9448	0.0167	36.4484	32.799099	0.8982	0.0091	0.4064
0.9322	0.03	0.9327	0.0296	32.491402	35.2224	18.0079	0	0.9443	0.0165	36.0603	32.800598	0.8983	0.0089	0.4062
0.9313	0.03	0.9318	0.0296	32.494801	35.0724	16.6399	0	0.9433	0.0165	35.74	32.7617	0.8972	0.0087	0.4059
0.9301	0.0298	0.9306	0.0295	32.480099	34.8634	17.3638	0	0.9419	0.0165	35.3988	32.73	0.8961	0.0084	0.4057
0.9287	0.0304	0.9292	0.03	32.427502	34.6141	19.6995	0	0.9408	0.0168	35.1007	32.689899	0.8943	0.0079	0.4051
0.9271	0.0303	0.9276	0.0299	32.354099	34.4524	21.9309	0	0.939	0.0168	34.8518	32.6217	0.8933	0.0075	0.4047
0.9248	0.0307	0.9253	0.0304	32.773602	35.1033	20.7548	0	0.9368	0.0172	35.5566	33.035099	0.8906	0.0069	0.4039
0.9232	0.0307	0.9237	0.0304	33.554199	36.2012	18.3049	0	0.9351	0.0172	36.8652	33.822102	0.8892	0.0064	0.4035
0.921	0.0306	0.9215	0.0303	33.730701	36.0146	14.1472	0	0.9328	0.0173	36.6108	33.950199	0.8869	0.0058	0.4027
0.9194	0.0308	0.9199	0.0305	33.770302	35.7035	7.7496	0	0.931	0.0175	36.2267	33.923698	0.8851	0.0053	0.4021
0.9177	0.0311	0.9182	0.0308	33.775501	35.4406	4.4646	0	0.9294	0.0177	35.881	33.887402	0.8831	0.0048	0.4016
0.9156	0.0314	0.9161	0.031	33.768002	35.3227	1.545	0	0.9274	0.018	35.655	33.837101	0.8808	0.0044	0.4011
0.9145	0.0312	0.915	0.0309	33.7691	35.3018	-3.3918	0	0.9262	0.0179	35.5103	33.775902	0.8799	0.0038	0.4005
0.9133	0.0311	0.9137	0.0308	33.820702	35.4366	-10.0711	0	0.9249	0.0178	35.4842	33.743999	0.8788	0.0036	0.4003
0.9119	0.031	0.9122	0.0307	33.921902	35.4835	-16.2203	0	0.9235	0.0175	35.4959	33.787899	0.878	0.003	0.3998
0.9095	0.0312	0.91	0.0308	34.076599	35.6489	-21.6365	0	0.9211	0.0178	35.5672	33.882401	0.8748	0.0023	0.3991
0.9081	0.0311	0.9085	0.0308	34.264099	35.8311	-26.5562	0	0.9198	0.0176	35.6756	34.0182	0.8738	0.0019	0.3985
0.9065	0.0309	0.9068	0.0306	34.473801	35.9557	-30.6791	0	0.9181	0.0175	35.7753	34.191799	0.8721	0.0014	0.3983
0.9034	0.031	0.9038	0.0307	34.720798	36.165	-34.0187	0	0.9151	0.0174	35.9767	34.4132	0.8688	0.0004	0.3972
0.9024	0.031	0.9028	0.0307	34.9165	36.2554	-33.7237	0	0.9141	0.0174	36.1112	34.620998	0.868	0	0.3967
0.9021	0.0312	0.9025	0.0309	35.101002	36.4509	-34.0627	0	0.9139	0.0174	36.3114	34.805901	0.8672	0.0005	0.3966
0.8994	0.0311	0.8999	0.0307	35.293499	36.6313	-34.2448	0	0.911	0.0175	36.5027	35.000999	0.8645	0.0001	0.3958
0.8972	0.0309	0.8976	0.0305	35.512901	36.7962	-36.2767	0	0.9086	0.0173	36.6646	35.206501	0.8624	0.0001	0.3949
0.8953	0.0312	0.8957	0.0309	35.667599	36.9045	-35.5829	0	0.9068	0.0175	36.8132	35.375	0.8604	0.0001	0.3947
0.8915	0.0312	0.892	0.0309	35.848499	37.1772	-36.1016	0	0.9028	0.0176	37.0049	35.541401	0.8562	0	0.3933
0.8877	0.0314	0.8881	0.0311	36.088799	37.3915	-41.1911	0	0.8992	0.0174	37.1188	35.729698	0.8527	0	0.392
0.8838	0.0311	0.8841	0.0307	36.260799	37.4861	-43.2078	0	0.8947	0.0172	37.2193	35.8895	0.8492	0.0002	0.391
				30.447633							30.9674446			

STP-0604, SR2000, CAP 3 Cold Testing, TN-20307

Time	Exp O2	Exp CO2	Ins O2	Ins CO2	Exp Vol	Ins Vol	Exp Prs Pk	Ins Prs Pk	Exp Prs Av	Ins Prs Av	Exp Time	Ins Time	Exp CO2 Pl	Ins CO2Mi
1.0168	NaN	NaN	NaN	NaN	1.4931	1.5092	12.1956	-9.6342	5.7171	-5.1453	3.4537	1.3481	0.0009	0.0004
2.0174	0.5511	0.0102	0.6224	0.0021	1.6628	1.7161	29.1729	-106.658	20.2019	-78.7853	1.8	1.5167	0.0128	-0.0001
3.0178	0.524	0.0292	0.5656	0.0067	1.6671	1.7104	33.399	-45.0754	24.4789	-31.3164	1.8	1.5167	0.0372	-0.0001
4.0184	0.5101	0.0467	0.5476	0.0112	1.6745	1.7011	35.5565	-44.5208	25.9316	-31.2448	1.8	1.5167	0.0583	0
5.0188	0.4954	0.0512	0.5345	0.0127	1.6745	1.7037	37.115	-44.2496	26.6381	-31.9429	1.8	1.5167	0.0638	0
6.0195	0.4823	0.0521	0.5218	0.0132	1.6744	1.7043	37.1636	-45.7352	26.4606	-33.4122	1.8	1.5167	0.0651	0
7.02	0.4708	0.0524	0.5113	0.0135	1.6744	1.7017	37.3619	-47.0873	26.8517	-34.0969	1.8	1.5167	0.0659	0.0001
8.0207	0.4698	0.0528	0.5164	0.0133	1.6744	1.7011	38.4266	-47.6661	25.5572	-35.948	1.8	1.5167	0.067	0.0001
9.0213	0.4896	0.0494	0.538	0.012	1.6695	1.7087	38.1756	-48.0588	26.6622	-35.5602	1.8	1.5167	0.0624	0.0001
10.0221	0.5148	0.0483	0.5625	0.0115	1.6696	1.7091	38.5521	-48.4231	27.7192	-35.1071	1.8	1.5167	0.0606	0.0001
11.0228	0.5426	0.0476	0.5898	0.0113	1.6696	1.7074	39.2321	-48.8846	28.5784	-34.8651	1.8	1.5167	0.0598	0.0001
12.0237	0.5711	0.048	0.6177	0.0115	1.6697	1.7093	40.1915	-49.6537	29.0979	-35.1351	1.8	1.5167	0.0597	0.0003
13.0246	0.6016	0.0475	0.6475	0.0116	1.6697	1.7098	40.5113	-50.6009	29.6164	-35.1042	1.8	1.5167	0.0594	0.0003
14.009	0.6332	0.0477	0.6791	0.0119	1.6697	1.7071	40.5882	-50.188	30.2978	-34.5507	1.8	1.5167	0.0599	0.0004
15.0106	0.6657	0.0473	0.7106	0.012	1.6698	1.7063	42.2965	-49.2853	31.209	-34.3304	1.8	1.5167	0.0594	0.0005
16.0121	0.6944	0.0503	0.741	0.013	1.6701	1.7059	42.4017	-51.1312	31.4105	-35.3008	1.8	1.5167	0.0636	0.0005
17.0127	0.7102	0.0509	0.7601	0.0129	1.6747	1.7045	40.9525	-51.6534	30.7666	-36.0568	1.8	1.5167	0.0638	0.0006
18.0139	0.729	0.0498	0.7762	0.0127	1.6709	1.7091	43.2315	-50.3095	33.0442	-34.3373	1.8	1.5167	0.0632	0.0005
19.0148	0.7459	0.0439	0.7901	0.0103	1.6747	1.7018	48.1782	-49.5727	37.0452	-32.2487	1.8	1.5167	0.0548	0.0004
20.0158	0.7644	0.0431	0.8053	0.0097	1.6717	1.7052	47.8786	-50.2609	36.5329	-33.1017	1.8	1.5167	0.0542	0.0003
21.017	0.768	0.0499	0.8154	0.0109	1.6747	1.7042	48.8542	-50.3176	37.0027	-33.267	1.8	1.5167	0.0623	0.0003
22.0185	0.7856	0.0423	0.8262	0.0093	1.6747	1.7021	48.0284	-51.5198	36.7864	-33.8547	1.8	1.5167	0.0534	0.0002
23.0194	0.7978	0.045	0.8388	0.0096	1.6723	1.7036	48.7368	-52.0339	37.0954	-34.2136	1.8	1.5167	0.0565	0.0002
24.0209	0.801	0.0481	0.8462	0.01	1.6748	1.7029	48.9635	-52.1635	37.6116	-34.7307	1.8	1.5167	0.0602	0.0002
25.0218	0.8156	0.0418	0.8546	0.0086	1.6748	1.7032	48.7287	-53.1107	37.6486	-35.2351	1.8	1.5167	0.0524	0.0001
26.0232	0.8268	0.0432	0.8653	0.0089	1.6748	1.7032	49.5504	-53.8191	37.8361	-35.7329	1.8	1.5167	0.0543	0.0001
27.0241	0.8305	0.0494	0.8736	0.01	1.6729	1.7055	50.5503	-53.4507	38.7688	-35.8814	1.8	1.5167	0.0622	0.0001
28.0092	0.839	0.0417	0.878	0.0082	1.6748	1.703	50.3843	-54.742	38.9562	-36.5288	1.8	1.5167	0.0518	0.0001
29.0108	0.8461	0.0427	0.884	0.0085	1.6748	1.7017	51.283	-55.3371	39.3903	-36.8973	1.8	1.5167	0.0539	0
30.0131	0.854	0.0437	0.8913	0.0088	1.6748	1.7018	51.5866	-55.835	39.7252	-37.4635	1.8	1.5167	0.0551	0
31.014	0.8611	0.0444	0.8981	0.0089	1.6748	1.7025	52.1128	-56.6486	40.2374	-37.6988	1.8	1.5167	0.0553	0
32.0153	0.8595	0.0502	0.9017	0.0102	1.6735	1.7057	53.1329	-57.4542	40.7472	-38.3804	1.8	1.5167	0.0638	0
33.0161	0.8652	0.0415	0.9022	0.0082	1.6748	1.7045	52.4043	-58.1302	40.6726	-38.9267	1.8	1.5167	0.0518	0
34.017	0.8697	0.0425	0.9056	0.0085	1.6748	1.7029	52.9184	-58.9722	41.1184	-39.179	1.8	1.5167	0.0531	0
35.0179	0.8755	0.0432	0.9108	0.0087	1.6748	1.7037	53.7037	-59.5268	41.5216	-39.5028	1.8	1.5167	0.0545	0
36.0193	0.88	0.0441	0.9155	0.0089	1.6748	1.703	53.7766	-60.3404	41.66	-40.1293	1.8	1.5167	0.0553	0
37.0202	0.8856	0.0441	0.9205	0.0089	1.6748	1.7032	54.4404	-61.1419	41.9527	-40.5014	1.8	1.5167	0.0551	0
38.0216	0.8898	0.0446	0.9248	0.0092	1.6748	1.7048	54.323	-61.316	42.1346	-41.0657	1.8	1.5167	0.0567	0
39.0079	0.8905	0.0483	0.9281	0.01	1.6739	1.7054	55.1043	-61.405	42.7508	-40.9764	1.8	1.5167	0.0612	0
40.0105	0.889	0.0445	0.9261	0.0092	1.6748	1.7021	55.08	-62.1903	42.6165	-41.4082	1.8	1.5167	0.0563	0
41.0113	0.8908	0.0427	0.9253	0.009	1.6748	1.7008	55.4443	-62.6882	42.8247	-41.5071	1.8	1.5167	0.0539	-0.0001
42.0123	0.8936	0.0442	0.928	0.0094	1.6748	1.7042	55.4727	-62.8502	42.9944	-41.7464	1.8	1.5167	0.0561	-0.0001
43.0131	0.8971	0.0449	0.9314	0.0097	1.6748	1.7038	55.3836	-63.259	43.0191	-42.1069	1.8	1.5167	0.0572	0
44.0141	0.9007	0.0452	0.9348	0.01	1.6748	1.7014	55.6265	-63.7083	43.0987	-42.2429	1.8	1.5167	0.0574	0
45.015	0.9036	0.0454	0.9376	0.0101	1.6748	1.7009	55.8532	-64.0807	43.2688	-42.5193	1.8	1.5167	0.058	0
46.016	0.9066	0.0452	0.9403	0.01	1.6748	1.7046	56.0029	-64.2427	43.3996	-42.9668	1.8	1.5167	0.0574	-0.0001
47.0173	0.9095	0.0457	0.9434	0.0101	1.6748	1.7024	56.5211	-64.5422	43.615	-43.017	1.8	1.5167	0.0577	0
48.0202	0.9111	0.0455	0.9448	0.0103	1.6748	1.7004	56.2134	-64.9146	43.7359	-43.0941	1.8	1.5167	0.0579	0
49.0212	0.914	0.0447	0.9469	0.0103	1.6748	1.7037	57.1647	-64.8499	43.9441	-43.3553	1.8	1.5167	0.0573	0
50.0223	0.9148	0.0451	0.9478	0.0105	1.6748	1.7054	56.6587	-64.9835	44.0055	-43.543	1.8	1.5167	0.0575	0
51.0233	0.9164	0.0451	0.9493	0.0105	1.6748	1.7033	56.6547	-65.2587	44.1689	-43.5086	1.8	1.5167	0.0573	0
52.0094	0.9172	0.0461	0.9508	0.0108	1.6748	1.7008	57.0878	-65.538	44.3181	-43.6387	1.8	1.5167	0.0587	-0.0001
53.0107	0.9192	0.0454	0.9522	0.0106	1.6748	1.7022	57.2862	-65.9226	44.3799	-44.0762	1.8	1.5167	0.0577	-0.0001
54.012	0.9189	0.0463	0.9525	0.011	1.6746	1.7048	57.3226	-66.1655	44.3864	-44.3426	1.8	1.5167	0.0593	0
55.0131	0.9114	0.0511	0.9494	0.0123	1.6746	1.7042	58.1443	-66.3436	44.795	-44.2301	1.8	1.5167	0.0656	0
56.0144	0.91	0.0431	0.9436	0.0102	1.6748	1.7023	57.5493	-66.5703	44.6514	-44.5646	1.8	1.5167	0.0545	-0.0001
57.0153	0.9077	0.044	0.9405	0.0108	1.6748	1.7017	57.7598	-67.0196	44.6698	-44.7131	1.8	1.5167	0.0566	0
58.0169	0.9079	0.0454	0.941	0.0111	1.6748	1.7041	57.444	-67.4892	44.7841	-44.9086	1.8	1.5167	0.0577	0
59.0182	0.9095	0.045	0.9418	0.0111	1.6748	1.7032	57.6991	-67.5539	44.7921	-45.2122	1.8	1.5167	0.0577	0
60.0191	0.9095	0.0461	0.9425	0.0114	1.6748	1.7039	57.8772	-67.8616	45.0282	-45.3692	1.8	1.5167	0.0588	0
61.02	0.9101	0.0457	0.9425	0.0115	1.6748	1.7038	57.9298	-68.7238	44.9719	-46.0031	1.8	1.5167	0.0586	0
62.021	0.9117	0.0466	0.9449	0.0115	1.6748	1.7005	58.9216	-68.6752	45.4275	-45.8995	1.8	1.5167	0.0596	0
63.0218	0.9133	0.0463	0.946	0.0115	1.6748	1.701	58.2496	-69.497	45.2962	-46.5446	1.8	1.5167	0.0595	0
64.0064	0.9131	0.0467	0.9461	0.0116	1.6748	1.7029	59.0025	-70.0556	45.8152	-46.7666	1.8	1.5167	0.0596	0
65.0085	0.9135	0.0461	0.9459	0.0116	1.6748	1.7041	59.1361	-70.938	45.8732	-47.4998	1.8	1.5167	0.0592	0
66.0094	0.9123	0.0472	0.9452	0.012	1.6748	1.7017	59.6785	-71.0514	46.2987	-47.73	1.8	1.5167	0.0604	0
67.0103	0.9126	0.0464	0.9449	0.0119	1.6748	1.7027	60.0671	-71.8124	46.454	-48.2553	1.8	1.5167	0.0589	0
68.0139	0.912	0.0469	0.9447	0.012	1.6748	1.7026	60.6824	-72.537	46.7185	-48.9707	1.8	1.5167	0.0599	0
69.0151	0.9122	0.0464	0.9443	0.0121	1.6748	1.7033	60.6136	-73.3183	46.9483	-49.6419	1.8	1.5167	0.0598	0
70.0162	0.9129	0.0468	0.9458	0.0118	1.6748	1.7011	60.9455	-73.9295	47.3778	-49.9601	1.8	1.5167	0.0593	0
71.017	0.9143	0.0469	0.9467	0.0121	1.6748	1.7025	61.662	-75.0144	47.6146	-50.7112	1.8	1.5167	0.06	-0.0001
72.0183	0.9133	0.0471	0.9456	0.0122	1.6748	1.7043	61.7228	-76.1924	47.6254	-52.2664	1.8	1.5167	0.0601	0
73.0191	0.9122	0.0469	0.9445	0.0121	1.6748	1.7048	61.6944	-78.099	47.2806	-54.0741	1.8	1.5167	0.0597	0
74.0203	0.9132	0.0464	0.9455	0.0118	1.6748	1.7022	61.4273	-79.8032	46.9218	-56.1507	1.8	1.5167	0.0592	-0.0001
75.0058	0.9121	0.0468	0.9445	0.012	1.6748	1.7014	61.8968	-82.1227	47.2751	-58.214	1.8	1.5167	0.0598	0
76.0069	0.91	0.0467	0.9423	0.0121	1.6748	1.7044	62.836	-85.3125	47.5767	-60.9018	1.8	1.5167	0.0592	0
77.0077	0.9113	0.0467	0.9436	0.012	1.6748	1.702	64.2932	-87.9356	48.0594	-63.1849	1.8	1.5167	0.0593	0
78.0092	0.9116	0.0469	0.9434	0.0123	1.6748	1.7023	65.9772	-90.7125	48.7973	-65.3634	1.8	1.5167	0.06	0
79.01	0.9101	0.0467	0.9418	0.0122	1.6748	1.7042	66.6734	-91.6719	49.2909	-66.5784	1.8	1.5167	0.0596	0
80.0109	0.91	0.047	0.9421	0.0122	1.6748	1.7044	68.2481	-94.5622	50.2665	-68.6688	1.8	1.5167	0.0595	-0.0001
81.0117	0.9095	0.0466	0.9405	0.0123	1.6748	1.7025	69.9766	-96.7764	51.763	-70.5369	1.8	1.5167	0.0591	0
82.0127	0.9085	0.0461	0.9388	0.0123	1.6748	1.703	72.7009	-100.46	53.2015	-73.3189	1.8	1.5167	0.0587	0
83.0135	0.9084	0.0474	0.939	0.0127	1.6748	1.7029	76.3603	-105.876	55.7167	-77.7445	1.8	1.5167	0.0599	0
84.0147	0.9075	0.0474	0.9375	0.0128	1.6748	1.7036	80.3435	-112.952	58.4094	-82.9872	1.8	1.5167	0.0606	0
85.0155	0.9062	0.0476	0.9355	0.0132	1.6748	1.7017	84.6303	-119.554	60.5251	-88.3162	1.8	1.5167	0.0606	0
86.0164	0.9043	0.0476	0.9326	0.0134	1.6748	1.7021	88.7026	-127.327	63.2056	-93.8335	1.8	1.5167	0.0612	0
87.0172	0.9031	0.0474	0.9302	0.0136	1.6748	1.7023	93.3578	-133.86	64.9439	-100.101	1.8	1.5167	0.061	0
88.0181	0.9019	0.0484	0.9268	0.0144	1.6748	1.702	98.0778	-144.272	62.8708	-111.477	1.8	1.5167	0.0628	0
				0.01091			55.34508	-67.9006						
							123.2457							

VO2	Stpd VCO2	Stpc VE	Stpd	RR	Spare	InsWB End	InsDB End	ExpDB End	ExpWB End	ExpDB End	Time (min)	ExpH2OVa	InsH2OVap	Avg Exh O2	MouthO2T	Mth CO2T/	MouthO2V	Mth CO2V,	InsWBAvgT	InsDBAvgT	VH2o
0.5	0.5	27.0169	16.4801	0	16.5972	16.1501	17.888	17.275	17.888	1.0168	604.6271	642.0929	0.5913	0.1921	0.0006	NaN	NaN	16.6793	15.6215	-37.4658
1.35	1.15	30.0812	18.0905	0	17.4791	13.3609	23.8453	23.7855	23.8453	2.0174	841.4087	880.184	0.6612	0.5913	0.0062	0.5867	0.0061	20.5459	17.5299	-38.7752
1.35	1.15	30.1593	18.0905	0	22.1457	18.9369	31.1858	30.0032	31.1858	3.0178	1008.468	1017.854	0.7199	0.5459	0.0183	0.5448	0.0179	26.1552	24.1452	-9.3861
1.35	1.15	30.2922	18.0905	0	23.7616	21.4978	32.7896	31.4396	32.7896	4.0184	1111.614	1107.885	0.7363	0.5289	0.0294	0.5288	0.0289	27.733	26.3691	3.7292
1.35	1.15	30.2919	18.0905	0	24.492	22.7	33.1423	31.9039	33.1423	5.0188	1149.768	1146.368	0.7422	0.5151	0.0325	0.515	0.032	28.3652	27.2256	3.3992
1.35	1.15	30.2915	18.0905	0	24.7587	22.9628	33.062	31.8656	33.062	6.0195	1157.004	1156.041	0.7425	0.5022	0.0332	0.5021	0.0327	28.5053	27.3734	0.9638
1.35	1.15	30.2911	18.0905	0	24.8835	22.983	32.7598	31.7562	32.7598	7.02	1159.847	1159.874	0.7416	0.4911	0.0335	0.491	0.033	28.534	27.3109	-0.0267
1.35	1.15	30.291	18.0905	0	24.9919	23.1777	32.5002	31.5352	32.5002	8.0207	1156.544	1153.682	0.7407	0.4932	0.0337	0.4931	0.0331	28.4521	27.249	2.8626
1.35	1.15	30.2029	18.0905	0	24.9807	23.4825	32.2433	31.293	32.2433	9.0213	1145.417	1137.551	0.7401	0.5138	0.0313	0.5138	0.0307	28.2966	27.1901	7.8663
1.35	1.15	30.2036	18.0905	0	24.8617	23.9043	31.9555	31.0826	31.9555	10.0221	1132.887	1119.035	0.7396	0.5385	0.0304	0.5386	0.0299	28.0776	27.1453	13.8523
1.35	1.15	30.2043	18.0905	0	24.764	24.5533	31.8544	30.9174	31.8544	11.0228	1119.871	1098.803	0.74	0.566	0.03	0.5662	0.0295	27.8603	27.206	21.0671
1.35	1.15	30.205	18.0905	0	25.2012	26.6179	33.1779	31.8263	33.1779	12.0237	1153.484	1115.2	0.7527	0.5941	0.0302	0.5944	0.0297	28.3959	28.7683	38.2841
1.35	1.15	30.2057	18.0905	0	25.4572	27.7445	33.8078	32.298	33.8078	13.0246	1166.566	1126.026	0.7593	0.6242	0.03	0.6246	0.0295	28.6933	29.5727	40.5393
1.35	1.15	30.2063	18.0905	0	25.4657	27.9658	33.5641	32.0839	33.5641	14.009	1155.27	1118.314	0.7581	0.6557	0.0303	0.6561	0.0298	28.5778	29.4327	36.9566
1.35	1.15	30.2069	18.0905	0	25.2522	27.9594	33.2067	31.8407	33.2067	15.0106	1136.745	1102.124	0.7556	0.6877	0.0302	0.6881	0.0296	28.328	29.1168	34.6206
1.35	1.15	30.2125	18.0905	0	25.053	27.8818	32.8641	31.6537	32.8641	16.0121	1121.959	1090.6	0.7532	0.7172	0.0322	0.7177	0.0316	28.1286	28.8143	31.3591
1.35	1.15	30.2963	18.0905	0	24.8782	27.8823	32.5508	31.3843	32.5508	17.0127	1110.212	1078.56	0.7514	0.7347	0.0324	0.7351	0.0319	27.9093	28.603	31.6518
1.35	1.15	30.2277	18.0905	0	24.6487	27.8765	32.2449	31.1214	32.2449	18.0139	1088.382	1057.878	0.7496	0.7521	0.0318	0.7526	0.0313	27.6585	28.4236	30.5042
1.35	1.15	30.2966	18.0905	0	24.3225	27.9025	32.0741	30.8909	32.0741	19.0148	1067.836	1035.161	0.7485	0.7675	0.0276	0.768	0.0271	27.3327	28.2894	32.6758
1.35	1.15	30.2414	18.0905	0	24.2949	28.226	32.3252	31.0226	32.3252	20.0158	1063.864	1029.245	0.7506	0.7842	0.027	0.7848	0.0264	27.3521	28.5754	34.6192
1.35	1.15	30.2969	18.0905	0	24.9759	29.5074	33.7514	32.0287	33.7514	21.017	1116.007	1068.531	0.7634	0.791	0.031	0.7917	0.0304	28.1427	30.1291	47.4761
1.35	1.15	30.2969	18.0905	0	25.0083	29.733	33.7259	32.1525	33.7259	22.0185	1117.918	1075.715	0.7639	0.8052	0.0264	0.8059	0.0258	28.2328	30.1708	42.2027
1.35	1.15	30.253	18.0905	0	25.0524	29.6622	33.4147	32.0824	33.4147	23.0194	1117.471	1081.472	0.7615	0.8175	0.0279	0.8183	0.0273	28.2485	29.8756	35.9986
1.35	1.15	30.2971	18.0905	0	25.3685	29.7064	33.2125	31.9612	33.2125	24.0209	1125.946	1094.691	0.7602	0.8228	0.0297	0.8236	0.029	28.3484	29.7427	31.255
1.35	1.15	30.2971	18.0905	0	25.3201	29.6622	32.9817	31.7668	32.9817	25.0218	1116.019	1087.956	0.7583	0.8344	0.0258	0.8351	0.0252	28.2229	29.5171	28.0634
1.35	1.15	30.2972	18.0905	0	25.4312	29.7724	32.6923	31.6043	32.6923	26.0232	1115.091	1089.56	0.7574	0.8453	0.0266	0.846	0.026	28.2236	29.4401	25.5313
1.35	1.15	30.2639	18.0905	0	25.6394	29.9197	32.5295	31.4853	32.5295	27.0241	1119.639	1095.227	0.7571	0.8512	0.0304	0.8521	0.0297	28.3036	29.4568	24.4114
1.35	1.15	30.2973	18.0905	0	25.6739	30.1266	32.3534	31.3684	32.3534	28.0092	1118.247	1091.3	0.7571	0.8578	0.0255	0.8585	0.0249	28.2567	29.5014	26.9468
1.35	1.15	30.2974	18.0905	0	25.7988	30.2846	32.2491	31.2792	32.2491	29.0108	1118.623	1093.982	0.7572	0.8643	0.0263	0.8651	0.0256	28.2985	29.5546	24.6418
1.35	1.15	30.2974	18.0905	0	26.2354	30.9107	32.8077	31.6632	32.8077	30.0131	1147.304	1118.565	0.7624	0.8719	0.0269	0.8727	0.0263	28.7141	30.2243	28.7393
1.35	1.15	30.2975	18.0905	0	27.0991	32.2385	34.1775	32.7171	34.1775	31.014	1209.795	1173.988	0.7746	0.8788	0.0272	0.8796	0.0266	29.6165	31.6912	35.8066
1.35	1.15	30.2737	18.0905	0	27.5353	32.5891	34.2068	32.8781	34.2068	32.0153	1234.706	1202.953	0.7758	0.8797	0.0309	0.8806	0.0302	29.9593	31.8681	31.7531
1.35	1.15	30.2975	18.0905	0	27.574	32.8742	33.9684	32.8526	33.9684	33.0161	1232.155	1205.369	0.7752	0.883	0.0255	0.8837	0.0249	29.9683	31.8359	26.7854
1.35	1.15	30.2975	18.0905	0	27.6829	32.9689	33.7727	32.7634	33.7727	34.017	1234.945	1211.499	0.7741	0.8869	0.0261	0.8876	0.0255	30.0122	31.7468	23.446
1.35	1.15	30.2976	18.0905	0	27.8535	33.1253	33.5652	32.7023	33.5652	35.0179	1240.636	1219.277	0.7735	0.8923	0.0266	0.8932	0.026	30.0811	31.6986	21.3587
1.35	1.15	30.2976	18.0905	0	28.0574	33.254	33.3726	32.596	33.3726	36.0193	1246.547	1225.921	0.7731	0.8969	0.0271	0.8977	0.0265	30.148	31.6987	20.6251
1.35	1.15	30.2976	18.0905	0	28.2088	33.4806	33.2796	32.4983	33.2796	37.0202	1249.555	1229.316	0.7733	0.9022	0.0271	0.9031	0.0265	30.1984	31.7796	20.2387
1.35	1.15	30.2977	18.0905	0	28.3677	33.6998	33.12	32.4425	33.12	38.0216	1255.698	1233.133	0.7736	0.9064	0.0275	0.9073	0.0269	30.2559	31.8757	22.5655
1.35	1.15	30.2818	18.0905	0	28.5738	33.6993	33.0535	32.4074	33.0535	39.0079	1263.054	1243.04	0.7737	0.9084	0.0299	0.9093	0.0291	30.3643	31.8922	20.0139
1.35	1.15	30.2977	18.0905	0	28.7416	33.8961	33.0375	32.3793	33.0375	40.0105	1272.065	1248.672	0.7742	0.9068	0.0275	0.9076	0.0268	30.4315	31.9817	23.3928
1.35	1.15	30.2977	18.0905	0	28.6938	33.9551	33.0247	32.3506	33.0247	41.0113	1266.29	1243.824	0.7741	0.9072	0.0265	0.9081	0.0259	30.3807	31.9667	22.4652
1.35	1.15	30.2977	18.0905	0	28.8776	34.1206	32.9859	32.3681	32.9859	42.0123	1275.451	1253.631	0.7746	0.9099	0.0275	0.9108	0.0268	30.4934	32.0454	21.8193
1.35	1.15	30.2977	18.0905	0	29.0391	34.2493	33.0215	32.4043	33.0215	43.0131	1283.965	1262.005	0.7753	0.9133	0.028	0.9142	0.0273	30.5951	32.1426	21.9599
1.35	1.15	30.2978	18.0905	0	29.3159	34.6499	33.5594	32.7559	33.5594	44.0141	1306.686	1283.844	0.7792	0.9169	0.0282	0.9178	0.0276	30.8945	32.5932	22.8417
1.35	1.15	30.2978	18.0905	0	30.0526	35.7649	35.1659	33.8252	35.1659	45.015	1372.17	1345.639	0.7918	0.9197	0.0285	0.9206	0.0278	31.7504	34.0107	26.5304
1.35	1.15	30.2978	18.0905	0	30.3188	35.984	35.2755	34.035	35.2755	46.016	1389.926	1367.828	0.793	0.9226	0.0282	0.9234	0.0276	31.985	34.1713	22.098
1.35	1.15	30.2978	18.0905	0	30.4192	36.0202	34.9589	33.983	34.9589	47.0173	1393.658	1375.358	0.7914	0.9256	0.0285	0.9265	0.0279	32.0263	34.021	18.2997
1.35	1.15	30.2978	18.0905	0	30.4393	35.9393	34.7047	33.8752	34.7047	48.0202	1391.846	1376.236	0.7896	0.9271	0.0286	0.9279	0.0279	31.9978	33.8224	15.6097
1.35	1.15	30.2978	18.0905	0	30.4744	35.7792	34.5073	33.7652	34.5073	49.0212	1391.041	1376.251	0.7883	0.9296	0.0281	0.9305	0.0275	31.9699	33.67	14.7899
1.35	1.15	30.2979	18.0905	0	30.4972	35.8271	34.2408	33.5623	34.2408	50.0223	1384.677	1369.958	0.7872	0.9305	0.0284	0.9313	0.0278	31.9022	33.6167	14.7192
1.35	1.15	30.2979	18.0905	0	30.5504	35.9026	34.1301	33.387	34.1301	51.0233	1381.026	1367.412	0.7868	0.932	0.0284	0.9328	0.0278	31.8769	33.6064	13.6142
1.35	1.15	30.2979	18.0905	0	30.6741	35.9463	33.9647	33.3158	33.9647	52.0094	1384.841	1370.6	0.7866	0.9332	0.0291	0.934	0.0285	31.9103	33.6281	14.2409
1.35	1.15	30.2979	18.0905	0	30.782	35.9803	33.861	33.251	33.861	53.0107	1390.34	1375.344	0.7861	0.9349	0.0286	0.9357	0.028	31.9471	33.5915	14.9965
1.35	1.15	30.2937	18.0905	0	30.9302	36.0548	33.7785	33.2255	33.7785	54.012	1396.849	1381.744	0.7863	0.9349	0.0293	0.9357	0.0286	32.0199	33.6586	15.1048
1.35	1.15	30.2937	18.0905	0	31.2229	36.0463	33.8019	33.2271	33.8019	55.0131	1414.61	1400.961	0.7862	0.9295	0.0324	0.9304	0.0317	32.1948	33.6586	13.6494
1.35	1.15	30.2978	18.0905	0	31.1389	36.2293	33.7737	33.2085	33.7737	56.0144	1409.233	1393.022	0.7867	0.9261	0.0272	0.9268	0.0266	32.13	33.7072	16.2109
1.35	1.15	30.2978	18.0905	0	31.2638	36.1032	33.8025	33.2032	33.8025	57.0153	1415.804	1401.807	0.7865	0.9233	0.028	0.9241	0.0274	32.2049	33.6801	13.9965
1.35	1.15	30.2978	18.0905	0	31.4747	36.0436	33.77	33.2515	33.77	58.0169	1427.8	1416.717	0.7866	0.9237	0.0288	0.9244	0.0282	32.345	33.7097	11.0837
1.35	1.15	30.2979	18.0905	0	31.6749	36.0878	33.8301	33.3046	33.8301	59.0182	1440.974	1430.964	0.7871	0.9248	0.0286	0.9256	0.028	32.4886	33.7959	10.0098
1.35	1.15	30.2979	18.0905	0	31.9113	36.1409	33.8737	33.4072	33.8737	60.0191	1454.41	1448.45	0.7879	0.9252	0.0293	0.926	0.0288	32.663	33.8999	5.9601
1.35	1.15	30.2979	18.0905	0	32.1434	36.2314	33.961	33.473	33.961	61.02	1468.452	1464.578	0.7889	0.9255	0.0292	0.9263	0.0286	32.8333	34.0555	3.8746
1.35	1.15	30.2979	18.0905	0	32.4011	36.4176	34.0285	33.5639	34.0285	62.021	1482.341	1481.645	0.7902	0.9275	0.0297	0.9283	0.029	33.0159	34.2427	0.6956
1.35	1.15	30.2979	18.0905	0	32.6438	36.5607	34.1488	33.668	34.1488	63.0218	1497.622	1499.708	0.7913	0.9288	0.0296	0.9296	0.0289	33.1986	34.3891	-2.0856
1.35	1.15	30.2979	18.0905	0	32.8701	36.4532	34.2451	33.7732	34.2451	64.0064	1512.688	1519.693	0.7919	0.9288	0.0297	0.9296	0.0291	33.3817	34.4506	-7.0045
1.35	1.15	30.2979	18.0905	0	33.0725	36.4878	34.3935	33.8847	34.3935	65.0085	1526.96	1536.505	0.7931	0.9289	0.0295	0.9297	0.0289	33.5524	34.6068	-9.5445
1.35	1.15	30.2979	18.0905	0	33.3679	36.6266	34.5116	33.9729	34.5116	66.0094	1543.079	1556.805	0.7943	0.928	0.0302	0.9288	0.0296	33.7582	34.8044	-13.7257
1.35	1.15	30.2979	18.0905	0	33.6436	36.7117	34.6313	34.1105	34.6313	67.0103	1561.757	1579.774	0.7956	0.928	0.0296	0.9287	0.0291	33.9801	34.9749	-18.0166
1.35	1.15	30.2979	18.0905	0	33.8895	36.7229	34.785	34.2183	34.785	68.0139	1578.265	1599.617	0.7968	0.9275	0.03	0.9283	0.0295	34.1727	35.1379	-21.3523
1.35	1.15	30.2979	18.0905	0	34.2114	37.1187	34.9398	34.3787	34.9398	69.0151	1598.96	1622.928	0.7991	0.9274	0.0298	0.9283	0.0292	34.4175	35.4548	-23.9688
1.35	1.15	30.2979	18.0905	0	34.5482	37.3857	35.1159	34.5248	35.1159	70.0162	1620.27	1649.108	0.801	0.9285	0.0299	0.9293	0.0293	34.6777	35.7391	-28.838
1.35	1.15	30.2979	18.0905	0	34.8149	37.7225	35.2707	34.6651	35.2707	71.017	1639.012	1668.846	0.8031	0.9297	0.0301	0.9305	0.0295	34.8849	36.0325	-29.8345
1.35	1.15	30.2979	18.0905	0	35.098	37.9347	35.4031	34.809	35.4031	72.0183	1656.68	1692.046	0.8047	0.9286	0.0302	0.9294	0.0297	35.1066	36.2569	-35.3658
1.35	1.15	30.2979	18.0905	0	35.4204	38.3225	35.5675	34.9801	35.5675	73.0191	1679.518	1717.885	0.8071	0.9276	0.03	0.9284	0.0295	35.3684	36.6143	-38.367
1.35	1.15	30.2979	18.0905	0	35.6504	38.4736	35.7021	35.1118	35.7021	74.0203	1697.573	1738.479	0.8085	0.9285	0.0297	0.9293	0.0291	35.5582	36.7922	-40.905
1.35	1.15	30.2979	18.0905	0	35.9421	38.6412	35.8431	35.2504	35.8431	75.0058	1717.791	1761.857	0.8101	0.9275	0.03	0.9283	0.0294	35.7768	37.0256	-44.0664
1.35	1.15	30.2979	18.0905	0	36.187	38.7188	35.9638	35.3801	35.9638	76.0069	1736.332	1785.071	0.8112	0.9254	0.0299	0.9262	0.0294	35.979	37.1738	-48.7385
1.35	1.15	30.2979	18.0905	0	35.3652	38.9566	36.1048	35.2929	36.1048	77.0077	1684.465	1725.888	0.8126	0.9267	0.0299	0.9275	0.0293	35.5236	37.3638	-41.4226
1.35	1.15	30.2979	18.0905	0	34.8451	38.9433	36.2106	34.9673	36.2106	78.0092	1616.898	1661.063	0.8135	0.9267	0.0302	0.9275	0.0296	35.0415	37.4575	-44.1656
1.35	1.15	30.2979	18.0905	0	36.1923	38.5981	36.2622	35.7997	36.2622	79.01	1786.833	1780.805	0.8127	0.9252	0.03	0.9259	0.0295	35.9783	37.382	6.028
1.35	1.15	30.2979	18.0905	0	36.3846	38.4619	36.3372	35.9692	36.3372	80.0109	1810.034	1804.828	0.8129	0.9253	0.0301	0.926	0.0296	36.1625	37.3823	5.2066
1.35	1.15	30.2979	18.0905	0	36.5099	38.4571	36.4181	36.0701	36.4181	81.0117	1822.818	1817.541	0.8132	0.9242	0.0299	0.925	0.0294	36.2673	37.4342	5.2769
1.35	1.15	30.2979	18.0905	0	36.6767	38.5342	36.5032	36.1933	36.5032	82.0127	1840.203	1833.34	0.8141	0.923	0.0297	0.9237	0.0292	36.4055	37.5554	6.8632
1.35	1.15	30.2979	18.0905	0	36.9285	38.638	36.5942	36.3569	36.5942	83.0135	1866.735	1857.571	0.815	0.923	0.0305	0.9237	0.03	36.6122	37.7158	9.1638
1.35	1.15	30.2979	18.0905	0	37.1782	38.8156	36.7351	36.5322	36.7351	84.0147	1891.895	1880.184	0.8165	0.9218	0.0306	0.9225	0.0301	36.8126	37.9255	11.7109
1.35	1.15	30.2979	18.0905	0	37.362	38.9832	36.8809	36.673	36.8809	85.0155	1910.989	1898.771	0.8177	0.9201	0.0309	0.9209	0.0304	36.9751	38.0914	12.2173
1.35	1.15	30.2979	18.0905	0	37.5166	39.1401	36.958	36.7824	36.958	86.0164	1926.142	1913.357	0.8188	0.9177	0.031	0.9184	0.0305	37.1016	38.2194	12.7858
1.35	1.15	30.2979	18.0905	0	37.5835	39.5125	37.1091	36.8642	37.1091	87.0172	1932.557	1918.882	0.8206	0.916	0.031	0.9167	0.0305	37.1768	38.4539	13.6754
1.35	1.15	30.2979	18.0905	0	37.7158	39.563	37.1916	36.9434	37.1916	88.0181	1943.974	1931.203	0.8215	0.9137	0.0319	0.9144	0.0314	37.2801	38.5427	12.7707

29.79085

ExpCO2Mi	InO2TimAv	InCO2TimA	ExpTpDBA	ExpTpWBA	ExpO2Min	N2TransIm	O2TransImb
0	0.191	0.0006	18.9502	17.4977	0.1882	0.0042	0
0	0.6267	0.0026	21.5315	21.1761	0.5126	0.2259	0.2995
0	0.5655	0.0081	28.5786	27.1339	0.5074	0.0129	0.3718
0	0.5461	0.0134	30.1932	28.6339	0.4971	0	0.3637
0	0.5331	0.015	30.7325	29.1639	0.4826	0	0.3554
0	0.5204	0.0155	30.6688	29.2272	0.4689	0	0.3482
0	0.5098	0.0158	30.5145	29.2247	0.4567	0	0.3411
0	0.5147	0.0158	30.3534	29.1555	0.4534	0.0019	0.3402
0	0.5362	0.0143	30.2618	29.0531	0.4734	0.0052	0.3513
0	0.5605	0.0137	30.2114	28.9072	0.4995	0.0062	0.3651
0	0.5876	0.0136	30.2691	28.7785	0.5274	0.0055	0.3802
0	0.6154	0.0137	31.6569	29.4316	0.5563	0.0054	0.3942
0	0.6452	0.0138	32.3919	29.7223	0.5869	0.0055	0.4088
0	0.6767	0.0141	32.2556	29.5767	0.6177	0.0064	0.4232
0	0.7082	0.0142	32.0004	29.329	0.6502	0.0062	0.4374
0	0.7384	0.0153	31.7211	29.1106	0.6782	0.0059	0.4507
0	0.7575	0.0152	31.52	28.9081	0.6929	0.0059	0.4581
0	0.7737	0.015	31.2866	28.6479	0.7113	0.0042	0.4659
0	0.7877	0.0124	31.1595	28.3662	0.7293	0.0041	0.4705
0	0.803	0.0119	31.3835	28.3927	0.7481	0.0075	0.4772
0	0.8128	0.0134	32.8023	29.2448	0.75	0.0014	0.4806
0	0.8239	0.0114	32.8685	29.2794	0.7683	0.0055	0.4854
0	0.8363	0.0119	32.6105	29.2369	0.7811	0.0065	0.4902
0	0.8436	0.0125	32.4291	29.2705	0.783	0.0013	0.4924
0	0.8524	0.0108	32.2393	29.1251	0.7989	0.0046	0.4964
0	0.863	0.0111	32.0834	29.0818	0.81	0.0083	0.5
0	0.8711	0.0126	32.0008	29.1254	0.8122	0.0026	0.5026
0	0.8758	0.0104	31.9686	29.0908	0.8221	0.0017	0.5045
0	0.8817	0.0108	31.9329	29.0871	0.8288	0.0039	0.5068
0	0.889	0.0111	32.481	29.5019	0.8368	0.0065	0.5093
0	0.8958	0.0113	33.8531	30.4192	0.8441	0.009	0.5117
0	0.8991	0.0128	33.9789	30.6987	0.8399	0.0011	0.5124
0	0.9	0.0104	33.8628	30.6417	0.8477	0.0012	0.5134
0	0.9033	0.0107	33.7092	30.6387	0.8522	0.0025	0.5147
0	0.9086	0.011	33.5971	30.6723	0.8576	0.0043	0.5164
0	0.9132	0.0112	33.526	30.7161	0.8624	0.006	0.5181
0	0.9183	0.0112	33.4981	30.7399	0.8684	0.0076	0.5197
0	0.9225	0.0115	33.4683	30.7938	0.8713	0.0092	0.5211
0	0.9257	0.0125	33.4601	30.8699	0.8718	0.0045	0.5221
0	0.9238	0.0115	33.504	30.959	0.8696	0.0003	0.5212
0	0.9231	0.0113	33.4996	30.9026	0.8724	0.0004	0.5216
0	0.9258	0.0117	33.5402	30.9988	0.8751	0.0013	0.5223
0	0.9291	0.0121	33.6071	31.0934	0.8781	0.0024	0.5233
0	0.9326	0.0123	34.0718	31.3963	0.882	0.0036	0.5245
0	0.9353	0.0125	35.5879	32.2836	0.8845	0.0046	0.5254
0	0.9381	0.0123	35.6976	32.4634	0.8878	0.0055	0.5263
0	0.9412	0.0125	35.4903	32.4595	0.8907	0.0065	0.5274
0	0.9425	0.0127	35.2641	32.4024	0.8919	0.007	0.5279
0	0.9448	0.0125	35.0925	32.3641	0.8949	0.0078	0.5286
0	0.9457	0.0127	34.9121	32.2739	0.8956	0.0083	0.529
0	0.9472	0.0128	34.8164	32.2235	0.8974	0.0086	0.5293
0	0.9486	0.0132	34.7641	32.2485	0.8978	0.0092	0.5299
0	0.9501	0.0129	34.688	32.2844	0.8998	0.0096	0.5302
0	0.9503	0.0132	34.6788	32.3432	0.899	0.0098	0.5304
0	0.947	0.0148	34.6557	32.4983	0.8897	0.0001	0.5291
0	0.9416	0.0123	34.7096	32.4583	0.8901	0	0.528
0	0.9385	0.013	34.6826	32.5122	0.8873	0.0001	0.5269
0	0.9389	0.0132	34.686	32.6198	0.8886	0.0002	0.5268
0	0.9398	0.0133	34.7263	32.7438	0.89	0.0006	0.5272
0	0.9404	0.0136	34.8017	32.8756	0.8899	0.0008	0.5273
0	0.9405	0.0137	34.8755	33.0116	0.8902	0.0009	0.5274
0	0.9428	0.0138	34.9826	33.1513	0.8922	0.0015	0.5281
0	0.9438	0.0138	35.0955	33.3031	0.8932	0.0021	0.5286
0	0.9441	0.0138	35.1739	33.4461	0.8932	0.0021	0.5286
0	0.9438	0.0138	35.2952	33.5887	0.8932	0.0021	0.5285
0	0.9432	0.0142	35.3983	33.743	0.8921	0.002	0.5283
0	0.9428	0.014	35.5331	33.923	0.8923	0.0019	0.5283
0	0.9426	0.0142	35.6338	34.0779	0.8914	0.0018	0.5282
0	0.9423	0.0142	35.8612	34.2873	0.891	0.0018	0.5281
0	0.9437	0.014	36.0149	34.4878	0.8927	0.002	0.5284
0	0.9446	0.0143	36.2186	34.6739	0.8932	0.0024	0.5287
0	0.9436	0.0143	36.3702	34.8414	0.8924	0.0023	0.5287
0	0.9426	0.0142	36.5733	35.0574	0.8912	0.002	0.5283
0	0.9435	0.014	36.7256	35.2254	0.8921	0.002	0.5284
0	0.9425	0.0142	36.8603	35.4065	0.8906	0.0018	0.5282
0	0.9404	0.0142	36.9724	35.5697	0.889	0.0014	0.5276
0	0.9417	0.0142	37.1135	35.1605	0.8901	0.0014	0.5277
0	0.9416	0.0145	37.204	34.6299	0.8896	0.0017	0.5279
0	0.94	0.0143	37.136	35.9868	0.8883	0.0011	0.5273
0	0.9403	0.0143	37.1446	36.1659	0.8885	0.0011	0.5273
0	0.9388	0.0144	37.1775	36.2683	0.8869	0.0009	0.5271
0	0.9372	0.0143	37.2586	36.4124	0.8861	0.0005	0.5266
0	0.9374	0.0147	37.3156	36.6208	0.8851	0.0005	0.5266
0	0.936	0.0149	37.4519	36.8291	0.8832	0.0003	0.5263
0	0.934	0.0152	37.5909	36.9913	0.8808	0.0001	0.526
0	0.9312	0.0154	37.6958	37.1185	0.8778	0.0001	0.5252
0	0.9289	0.0156	37.9069	37.1967	0.8758	0.0003	0.5244
0	0.9258	0.0164	38.0033	37.2944	0.873	0.0002	0.5239

Time	avgFEO2-%	avgFECO2-	avgFIO2-%	avgFICO2-'	Exp Vol-l	InsVol-l/b	PeakExpPr	PeakInsPr	Exp Av Prs	Ins Av Prs	Exp Time	Ins Time	Exp CO2 Pl
0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.1469	0.3818	0.0428	0.4886	0.0066	0	0	19.1031	-18.5333	7.3222	-11.6654	3.7111	1.3611	0.061
2.0036	0.4401	0.0555	0.5266	0.0068	0	0	19.0491	-27.2551	11.8065	-15.0812	2.7433	2.11	0.0641
3.0509	0.4541	0.0545	0.505	0.0113	0	0	29.9273	-44.2795	17.750299	-26.9437	2.3461	1.791	0.0679
4.0126	0.4531	0.0545	0.5003	0.0137	0	0	20.6615	-31.4493	13.9532	-20.9183	2.1727	1.4454	0.067
5.0076	0.4713	0.0495	0.5164	0.0117	0	0	21.2846	-30.1282	14.5143	-16.6921	1.8608	1.652	0.0609
6.0674	0.4687	0.0465	0.5114	0.0145	0	0	33.9741	-56.6352	21.7724	-32.3245	2.4872	1.9731	0.061
7.1085	0.4985	0.0438	0.5396	0.0084	0	0	25.8925	-28.939	15.5136	-18.7546	2.8367	1.4733	0.0581
8.0189	0.4953	0.0458	0.544	0.008	0	0	18.7826	-20.3892	14.3932	-13.9969	2.2042	1.2972	0.0542
9.0883	0.5219	0.0422	0.5606	0.0086	0	0	19.4454	-21.964	12.6572	-14.4932	2.7048	1.2357	0.052
10.003	0.5105	0.0552	0.5643	0.0083	0	0	32.8398	-41.5981	21.790501	-23.1598	2.159	2.0641	0.0644
11.051	0.4954	0.0548	0.5538	0.0137	0	0	59.6978	-109.883	37.914001	-72.2586	1.8108	1.6274	0.0692
12.044	0.4821	0.056	0.5476	0.0128	0	0	70.9229	-131.501	44.4212	-81.5189	1.6539	1.6627	0.0689
13.002	0.5522	0.049	0.6019	0.0095	0	0	48.4459	-59.6417	30.6248	-38.1036	1.8861	1.3093	0.0642
14.013	0.6036	0.056	0.658	0.0095	0	0	77.0257	-134.178	46.6441	-66.7823	1.56	1.4708	0.0678
			0.54415	0.010243	0	0	35.50374	-54.0267	22.2198215	-32.3352	2.295479	1.605221	0.062907

STP-0610 Wearability

Date	11/17/15
TN	20307
Manufacturer	CSE
Model	SR-2000
Serial #	201507-024
Subject ID	7069
Sex	M
Height	6'3"
Subject weight Initi	223
Subject weight fina	NA
Unit weight initial	9.0 lbs.
Unit weight final	8.5 lbs.
Starting O2	NA
End O2	NA

minFICO2	VO2	Stpd	VCO2	Stp(	VE	Stpd	Spare	1	Heart Rate	InsWB Enc	InsDB End	ExpDB Enc	ExpWB En	Pk FIO2-%	Test time	ExpH2OVa	InsH2OVap
0		0	0	0		0	0	0	0	0	0	0	0	0	0	0	0
0.0007		0	0	0		0	12.0368	0	22.9794	20.9629	24.5984	23.8358	0.5703	1.1469		0	0
0.0003		0	0	0		0	13.2021	0	21.8531	19.5507	24.6378	23.4284	0.5618	2.0036		0	0
0.0004		0	0	0		0	14.8202	0	24.308	23.4647	27.0326	25.0566	0.5258	3.0509		0	0
0.0008		0	0	0		0	17.0853	0	27.7677	28.1492	31.2288	28.4849	0.5202	4.0126		0	0
0.0006		0	0	0		0	17.62	0	24.4251	27.9591	30.6157	25.29	0.5314	5.0076		0	0
0.0014		0	0	0		0	14.3339	0	23.3368	26.3531	28.977	24.4278	0.5343	6.0674		0	0
0.0005		0	0	0		0	14.2899	0	22.1243	25.504	27.8389	23.0456	0.5497	7.1085		0	0
0.0009		0	0	0		0	17.3533	0	26.8096	27.9671	29.6197	27.3762	0.5529	8.0189		0	0
0.0009		0	0	0		0	16.3625	0	28.7687	29.7845	31.3745	29.5566	0.5697	9.0883		0	0
0.0007		0	0	0		0	14.9904	0	28.9944	31.6999	33.1315	30.3929	0.5746	10.0034		0	0
0.0011		0	0	0		0	17.951	0	29.5821	31.993	33.1017	30.3339	0.5787	11.0506		0	0
0.0009		0	0	0		0	18.348	0	29.2592	31.912	32.8314	30.1881	0.5744	12.0438		0	0
0.0007		0	0	0		0	19.1516	0	29.3955	32.7029	33.1973	30.3348	0.6135	13.0024		0	0
0.0005		0	0	0		0	20.1334	0	26.0288	30.7401	32.4791	28.7954	0.6687	14.0127		0	0
0.000743		0	0	0		0	16.26274	0	26.11662	27.76737	30.04746	27.18193	0.566143	7.544114		0	0

Avg Exh O2	MouthO2T	Mth CO2T	MouthO2V	Mth CO2V	InsWBAvgTp	InsDBAvgTp	Exp RH	Ins RH
0	0	0	0	0	0	0	0	0
0.5845	0.4352	0.0247	0.4352	0.0247	23.7227	22.787701	0	98.4937
0.5824	0.4834	0.0311	0.4834	0.0311	22.9757	21.953199	0	100
0.5911	0.4795	0.0329	0.4795	0.0329	25.025299	25.036501	0	97.168
0.605	0.4767	0.0341	0.4767	0.0341	28.287399	29.436899	0	91.0809
0.6035	0.4938	0.0306	0.4938	0.0306	25.0173	28.9907	0	71.7254
0.5979	0.49	0.0305	0.49	0.0305	23.9993	27.4128	0	75.3004
0.5952	0.519	0.0261	0.519	0.0261	22.8332	26.375601	0	74.9149
0.6022	0.5197	0.0269	0.5197	0.0269	27.249701	28.6231	0	89.3857
0.6076	0.5413	0.0254	0.5413	0.0254	29.3451	30.368799	0	92.0881
0.6125	0.5374	0.0317	0.5374	0.0317	29.825399	31.935301	0	84.439
0.6132	0.5246	0.0343	0.5246	0.0343	30.2202	32.260399	0	84.9715
0.6123	0.5149	0.0344	0.5149	0.0344	29.8941	32.015301	0	84.3534
0.6147	0.577	0.0292	0.577	0.0292	30.1612	32.7393	0	81.37
0.6098	0.6308	0.0327	0.6308	0.0327	27.324699	31.080601	0	73.2166
0.602279	0.51595	0.030329	0.51595	0.030329	26.8486641	28.6440144	0	85.60769

Time	avgFEO2-%	avgFECO2-	avgFIO2-%	avgFICO2-9	Exp Vol-l	InsVol-l/b	PeakExpPr	PeakInsPr	Exp Av Prs	Ins Av Prs	Exp Time	Ins Time	Exp CO2 Pl	minFICO2
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.2166	0.4682	0.049	0.5307	0.0099	0	0	23.14	-13.8947	9.1233	-7.7838	3.4583	1.625	0.0561	0.0011
2.0533	0.4853	0.0542	0.5647	0.0131	0	0	13.9176	-16.0408	8.4827	-8.8214	1.9817	2.0917	0.0657	0.0009
3.0241	0.5182	0.0605	0.585	0.0148	0	0	18.034	-20.7026	12.0722	-12.5823	1.7708	1.6406	0.0714	0.0007
4.0292	0.5471	0.0565	0.5984	0.0125	0	0	20.1986	-16.7202	12.3902	-11.2299	2.4333	1.5867	0.0682	0.0011
5.1562	0.5628	0.0547	0.6094	0.0135	0	0	17.7332	-14.591	10.0822	-9.9183	2.5045	1.5197	0.063	0.0013
6.0106	0.5954	0.0426	0.6297	0.0121	0	0	17.9546	-14.9464	7.5204	-9.3844	2.75	1.7417	0.0584	0.0009
7.0132	0.5937	0.0502	0.6338	0.0118	0	0	13.9052	-15.79	8.6661	-10.0278	2.4319	1.9653	0.0585	0.0009
8.0402	0.5977	0.0493	0.6391	0.012	0	0	13.4694	-11.7378	7.5383	-7.2881	2.2208	2.1319	0.0554	0.0012
9.0227	0.6154	0.044	0.6497	0.0126	0	0	15.6165	-13.0173	7.4487	-8.6345	2.3288	1.5954	0.0514	0.0013
10.009	0.5977	0.0507	0.6388	0.0146	0	0	23.9925	-27.2516	14.7867	-17.4732	1.7137	1.3294	0.0617	0.0008
11.015	0.5945	0.0539	0.6415	0.014	0	0	46.0142	-47.5196	27.6991	-30.3177	1.1864	1.1598	0.0669	0.0006
12.008	0.6157	0.0549	0.6629	0.0138	0	0	54.7905	-50.7287	35.5845	-33.5116	1.0722	1.071	0.0686	0.0009
13.007	0.6493	0.0578	0.6986	0.0134	0	0	42.5232	-41.1802	28.8569	-29.0172	1.3917	1.1114	0.0707	0.001
14.012	0.6822	0.0536	0.7287	0.013	0	0	68.8197	-78.7154	40.2957	-35.1405	1.1263	1.1308	0.0669	0.001
			0.629357	0.012936	0	0	27.86494	-27.3454	16.46764	-16.5093	2.026457	1.55003	0.063064	0.00098

STP-0610 Wearability

Date	11/17/15
TN	20307
Manufacturer	CSE
Model	SR-2000
Serial #	201507-012
Subject ID	9085
Sex	F
Height	5'2"
Subject weight Initi	150
Subject weight fina	150
Unit weight initial	9.0 lbs.
Unit weight final	8.5 lbs.
Starting O2	NA
End O2	NA

VO2	Stpd VCO2	Stpc VE	Stpd	Spare 1	Heart Rate	InsWB End	InsDB End	ExpDB End	ExpWB En	Pk FIO2-%	Test time	ExpH2OVa	InsH2OVap	Avg Exh O2
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	11.9036	0	26.509	23.9881	25.6812	27.6055	0.5884	1.2166	0	0	0.5899
	0	0	0	15.2072	0	26.9242	25.9581	29.6514	28.6643	0.6279	2.0533	0	0	0.5982
	0	0	0	17.9244	0	28.5106	27.6753	30.8876	29.5414	0.6354	3.0241	0	0	0.6035
	0	0	0	15.4127	0	27.7945	28.045	30.6611	29.215	0.623	4.0292	0	0	0.6042
	0	0	0	15.097	0	27.2663	27.6839	30.081	28.6194	0.6261	5.1562	0	0	0.6033
	0	0	0	13.7442	0	26.9134	27.569	29.6755	28.529	0.6431	6.0106	0	0	0.6011
	0	0	0	14.1786	0	27.7742	27.8971	30.4061	29.407	0.6463	7.0132	0	0	0.6031
	0	0	0	14.1724	0	27.9115	29.0739	30.837	29.8352	0.6512	8.0402	0	0	0.6055
	0	0	0	16.0012	0	28.2749	29.1933	30.8589	29.6587	0.6624	9.0227	0	0	0.606
	0	0	0	20.4856	0	27.6005	29.0531	30.5763	28.5172	0.6563	10.0094	0	0	0.6052
	0	0	0	26.5293	0	26.634	27.9649	29.0185	27.448	0.6594	11.0153	0	0	0.6007
	0	0	0	28.7557	0	26.9997	28.5193	29.1712	27.673	0.6774	12.0081	0	0	0.6017
	0	0	0	24.3615	0	28.2561	30.9997	31.397	29.4387	0.7126	13.0073	0	0	0.6092
	0	0	0	27.2112	0	26.2075	31.1209	31.4475	27.3135	0.742	14.0118	0	0	0.6096
	0	0	0	18.6418	0	27.39831	28.19583	30.02502	28.67614	0.653679	7.544143	0	0	0.602943

MouthO2T	Mth CO2T/	MouthO2V	Mth CO2V/	InsWBAvgT	InsDBAvgT	Exp RH	Ins RH
0	0	0	0	0	0	0	0
0.4995	0.0294	0.4995	0.0294	27.3439	24.9153	0	100
0.525	0.0337	0.525	0.0337	28.2916	27.3175	0	100
0.5516	0.0377	0.5516	0.0377	29.5188	29.0861	0	100
0.5727	0.0345	0.5727	0.0345	28.847	29.077	0	97.57
0.5861	0.0341	0.5861	0.0341	28.3527	28.8659	0	95.9298
0.6126	0.0274	0.6126	0.0274	28.1253	28.377	0	97.368
0.6137	0.031	0.6137	0.031	29.0434	28.8563	0	99.7181
0.6184	0.0306	0.6184	0.0306	29.2937	29.5915	0	97.5982
0.6326	0.0283	0.6326	0.0283	29.4047	29.8907	0	96.1675
0.6182	0.0326	0.6182	0.0326	28.5388	29.7028	0	91.0052
0.618	0.034	0.618	0.034	27.4772	28.3121	0	93.5081
0.6393	0.0343	0.6393	0.0343	27.7542	28.6894	0	92.7015
0.674	0.0356	0.674	0.0356	29.3225	31.0787	0	86.7788
0.7055	0.0333	0.7055	0.0333	27.2259	31.2005	0	71.8556
0.6048	0.032607	0.6048	0.032607	28.46712	28.92577	0	94.3001

Time	avgFEO2-%	avgFECO2-	avgFIO2-%	avgFICO2-%	Exp Vol-l	InsVol-l/b	PeakExpPr	PeakInsPr	Exp Av Prs	Ins Av Prs	Exp Time	Ins Time	Exp CO2 Pl	minFICO2
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.0913	0.3132	0.0511	0.3631	0.0138	0	0	13.6659	-21.7153	6.7545	-14.4291	4.7833	1.5583	0.0624	0.0011
2.0575	0.2929	0.0475	0.3441	0.0137	0	0	18.2146	-26.7061	10.4265	-16.621	2.42	1.4444	0.0591	0.0012
3.007	0.2613	0.0516	0.3173	0.01	0	0	24.3292	-34.8692	12.5388	-19.4018	2.4013	1.9808	0.0621	0.0006
4.044	0.2541	0.0569	0.3119	0.0093	0	0	24.6118	-23.9087	12.0041	-13.1048	4.6479	3.1292	0.065	0.0008
5.104	0.2735	0.0534	0.3253	0.0087	0	0	20.2629	-19.8931	6.995	-12.054	5.2958	2.6542	0.0621	0.0007
6.0374	0.2847	0.0523	0.3268	0.0086	0	0	17.4453	-19.451	6.4772	-8.4605	5.63	3.3733	0.0611	0.0012
7.061	0.2822	0.0516	0.3296	0.0079	0	0	17.9402	-20.6636	8.4057	-10.4214	3.8833	2.9407	0.06	0.0011
8.0202	0.2895	0.0446	0.3272	0.0079	0	0	15.7378	-24.2158	8.4889	-12.4385	3.1533	2.6017	0.0511	0.0005
9.0845	0.3039	0.0445	0.3446	0.0121	0	0	16.3114	-15.5907	6.4628	-8.7414	3.9367	1.9667	0.0517	0.0012
10.0401	0.2606	0.0546	0.3252	0.0116	0	0	23.6387	-37.6622	13.8396	-21.9204	2.1487	1.6731	0.0661	0.0008
11.009	0.2674	0.057	0.336	0.0126	0	0	39.2379	-47.378	17.339	-29.9158	2.2719	1.3615	0.0696	0.0009
12.0082	0.318	0.0543	0.3831	0.0117	0	0	35.8044	-48.9176	17.7028	-30.6582	2.326	1.4208	0.068	0.0008
13.0018	0.3704	0.0533	0.4351	0.0121	0	0	44.5203	-54.4108	21.9632	-32.7863	2.1529	1.3539	0.0676	0.0008
	0.290131	0.051746	0.343792	0.010769	0	0	23.97849	-30.414	11.49216	-17.7656	3.465469	2.1122	0.061992	0.0009

STP-0610 Wearability

Date	11/17/15
TN	20307
Manufacturer	CSE
Model	SR-2000
Serial #	201507-005
Subject ID	7705
Sex	M
Height	NA
Subject weight Initial	177
Subject weight final	177
Unit weight initial	9.0 lbs.
Unit weight final	8.5 lbs.
Starting O2	NA
End O2	NA

VO2	Stpd VCO2	Stp(VE	Stpd	Spare	1	Heart Rate	InsWB End	InsDB End	ExpDB End	ExpWB En	Pk FIO2-%	Test time	ExpH2OVa	InsH2OVa	Avg Exh O2
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	10.2016	0	27.4643	28.0998	30.6763	29.7408	0.3893	1.0913	0	0	0.6068
	0	0	0	16.2246	0	25.3221	26.0715	28.5677	27.3317	0.3725	2.0575	0	0	0.599
	0	0	0	14.1138	0	20.2947	21.8088	24.1526	23.1881	0.3391	3.007	0	0	0.5852
	0	0	0	9.7603	0	17.0386	19.278	21.3932	21.5932	0.3587	4.044	0	0	0.5773
	0	0	0	7.8308	0	19.235	22.9583	25.034	24.2327	0.3695	5.104	0	0	0.5882
	0	0	0	7.8664	0	22.757	27.06	30.1703	28.5895	0.3716	6.0374	0	0	0.6022
	0	0	0	8.9652	0	24.0816	28.0112	30.5841	29.421	0.3618	7.061	0	0	0.6051
	0	0	0	10.86	0	24.5075	28.341	30.53	29.3587	0.3597	8.0202	0	0	0.605
	0	0	0	10.7077	0	26.0173	28.4767	30.5103	29.5092	0.3828	9.0845	0	0	0.6057
	0	0	0	16.089	0	26.2928	29.5764	31.018	29.1561	0.352	10.0401	0	0	0.6074
	0	0	0	16.8166	0	27.4128	30.519	31.1104	29.8373	0.3637	11.009	0	0	0.609
	0	0	0	16.377	0	28.7882	31.3106	31.6738	31.1096	0.4124	12.0082	0	0	0.6108
	0	0	0	18.0717	0	30.1748	31.75	32.2811	32.7191	0.4624	13.0018	0	0	0.6118
	0	0	0	12.6065	0	24.56821	27.17395	29.05398	28.13746	0.376577	7.043538	0	0	0.601038

MouthO2T	Mth CO2T	MouthO2\	Mth CO2V	InsWBAvgTp	InsDBAvgT	Exp RH	Ins RH
0	0	0	0	0	0	0	0
0.3381	0.0325	0.3381	0.0325	29.102501	29.73	0	95.08
0.3185	0.0306	0.3185	0.0306	26.501801	27.2673	0	94.08
0.2893	0.0308	0.2893	0.0308	22.118401	22.7593	0	95.33
0.283	0.0331	0.283	0.0331	18.9214	19.8601	0	94.47
0.2994	0.0311	0.2994	0.0311	21.677401	23.6101	0	86.36
0.3057	0.0305	0.3057	0.0305	24.937599	27.8356	0	78.69
0.3059	0.0298	0.3059	0.0298	26.7113	28.7696	0	84.5
0.3083	0.0262	0.3083	0.0262	27.120501	29.0151	0	85.62
0.3242	0.0283	0.3242	0.0283	27.8104	29.3639	0	88.13
0.2929	0.0331	0.2929	0.0331	27.9552	30.049	0	84.29
0.3017	0.0348	0.3017	0.0348	28.9055	30.5932	0	87.24
0.3505	0.033	0.3505	0.033	30.224001	31.2239	0	92.37
0.4028	0.0327	0.4028	0.0327	31.460199	31.5018	0	98.27
0.316946	0.031269	0.316946	0.031269	26.4189388	27.81376	0	89.57

WEARABILITY	
PROCEDURE NO:	TEB-CCER-STP-0610

Date	12/10/15
TN	20307
Manufacturer	CSE
Model	SR-2000
Serial #	201507-005
Subject ID	7705
Sex	M
Subject weight Initial	177
Subject weight final	177
Unit weight initial	9.016
Unit weight final	8.516.
Starting O2	X
End O2	X

Technician: Palmiero

Date	12/10/15
TN #	20307
Manufacturer	CSE
Model	SR-2000
Phenol:	(−)
Leak Rate	X
Subject Height	5'9
Subject Weight Initial	177
Subject Weight Final	177
Starting O2	X
End O2	X
Capacity	3.0L
Serial #	201507-006
Test:	Man Test 4 (60 Min.)
Ambient Temp.	73.9

Sample and Readings	Baseline (0-2 min)	Reading 2 (23-25 min.)	Reading 3(42-44 min.)	Resting
HR	68	86	95	112
BR	6	8	6	5
CO2	.68 (.39)	.7 (.48)	.40 (.52)	.20 (.55)
O2	56.1	79	86	67
Peak Inhalation	-12	-20	-45	-72
Peak Exhalation	8.4	22	+45	+59
Temperature (F)	80.9	93.2	98.1	97.2

Comments	
Technician:	Palmiero

WEARABILITY	
PROCEDURE NO:	TEB-CCER-STP-0610

Date	11/19/2015
TN	20307
Manufacturer	CSE
Model	SR-2000
Serial #	201507-012
Subject ID	9065
Sex	Female
Subject weight Initial	150
Subject weight final	150
Unit weight initial	9lb.
Unit weight final	8.5lb.
Starting O2	X
End O2	X

Unit weight = 9lb.

Technician: Palmiero

Donning	
Date	11/17/15
TN #	20307
Manufacturer	CSE
Model	SR-2000
Serial #	201507-010
Test Subject	
Sex	Male
Height	6'3'
Weight	223
Training	
Date	11/17/15
Training Type	Manufacturer Instructions
Test	Donning
Date	11/17/15
Donning Time	23.0 sec

Phenol = (-)

Comments	
Technician	Palmieso

WEARABILITY	
PROCEDURE NO:	TEB-CCER-STP-0610

Date	11/19/2015
TN	20307
Manufacturer	CSE
Model	SR-2000
Serial #	201507-012
Subject ID	9065
Sex	Female
Subject weight Initial	150
Subject weight final	150
Unit weight initial	9lb.
Unit weight final	8.5lb.
Starting O2	X
End O2	X

Unit weight = 9lb.

Technician: Palmiero

WEARABILITY

PROCEDURE NO: TEB-CCER-STP-0610

Date	11/17/15
TN	20307
Manufacturer	CSE
Model	SR-2000
Serial #	201507-024
Subject ID	—
Sex	Male
Subject weight Initial	223, 6'3"
Subject weight final	
Unit weight initial	9 lb.
Unit weight final	8.5 lb.
Starting O2	X
End O2	X

Phenol = 0

Technician:

DONNING

PROCEDURE NO: TEB-CCER-STP-0611

Date	11/17/15
TN #	20307
Manufacturer	CSE
Model	SR-2000
Serial #	201507-013
Test Subject	
Sex	Female
Height	5'2"
Weight	150
Training	
Date	11/17/15
Training Type	Manufacturer Instructions
Test	
Date	11/17/15
Donning Time	25 sec.

Comments	
Technician	Palmiero

Donning	
Date	11/17/15
TN #	20307
Manufacturer	CSE
Model	SR-2000
Serial #	201507-010
Test Subject	
Sex	Male
Height	6'3'
Weight	223
Training	
Date	11/17/15
Training Type	Manufacturer Instructions
Test	Donning
Date	11/17/15
Donning Time	23.0 sec

Phenol = (-)

Comments	
Technician	Palmieso

DONNING

PROCEDURE NO: TEB-CCER-STP-0611

Date	12/8/15
TN #	20307
Manufacturer	CSE
Model	SR-2000
Serial #	201507-007
Test Subject	
Sex	M
Height	5' 7"
Weight	168
Training	
Date	12/8/15
Training Type	Manufacturer
Test	
Date	12/8/15
Donning Time	20.0 sec.

Comments	
Technician	Palmiero

DONNING

PROCEDURE NO: TEB-CCER-STP-0611

Date	11/17/15
TN #	20307
Manufacturer	CSE
Model	SR-2000
Serial #	201507-013
Test Subject	
Sex	Female
Height	5'2"
Weight	150
Training	
Date	11/17/15
Training Type	Manufacturer Instructions
Test	
Date	11/17/15
Donning Time	25 sec.

Comments	
Technician	Palmiero

DONNING

PROCEDURE NO: TEB-CCER-STP-0611

Date	12/8/15
TN #	20307
Manufacturer	CSE
Model	SR-2000
Serial #	201507-007
Test Subject	
Sex	M
Height	5' 7"
Weight	168
Training	
Date	12/8/15
Training Type	Manufacturer
Test	
Date	12/8/15
Donning Time	20.0 sec.

Comments	
Technician	Palmiero

STP-0612, SR2000 CAP 3 Capacity, TN-20307

Time	avgFEO2-%	avgFECO2-	avgFIO2-%	avgFICO2-%	Exp Vol-l	InsVol-l/b	PeakExpPr	PeakInsPr	Exp Av Prs	Ins Av Prs	Exp Time	Ins Time
0	0	0	0	0	0	0	0	0	0	0	0	0
1.0259	0.3113	0.0564	0.452	0.0122	0	0	18.3822	-20.9509	10.0614	-10.2931	1.6718	1.5756
2.0536	0.4036	0.0611	0.4886	0.0126	0	0	19.9804	-28.5403	11.2444	-15.4459	1.9216	1.7059
3.0113	0.4162	0.0633	0.4794	0.0135	0	0	24.4208	-32.675	14.3253	-16.8938	1.5882	1.7921
4.0763	0.4048	0.0629	0.4605	0.0139	0	0	27.8337	-34.4773	16.822399	-18.6546	1.4783	1.7167
5.0423	0.4056	0.0627	0.4624	0.0141	0	0	31.9924	-36.5571	18.167999	-21.0016	1.5351	1.5158
6.0275	0.4054	0.0627	0.4623	0.0151	0	0	31.7142	-36.1078	18.9949	-21.1984	1.2947	1.3924
7.033	0.4067	0.0613	0.4627	0.0156	0	0	34.479	-37.529	21.4286	-22.8092	1.1891	1.2427
8.0149	0.4121	0.0625	0.4728	0.0143	0	0	35.673	-39.0881	21.802401	-22.4359	1.3189	1.3591
9.0068	0.4291	0.0617	0.4897	0.0149	0	0	36.8763	-37.2561	22.8594	-23.1868	1.2341	1.0268
10.0345	0.4591	0.0613	0.5253	0.0111	0	0	42.2197	-38.446	25.2125	-21.9044	1.4493	1.2319
11.017	0.4899	0.0616	0.556	0.0125	0	0	40.6184	-38.2047	25.5509	-23.1272	1.3125	1.1437
12.0066	0.5206	0.0609	0.5876	0.0121	0	0	39.3459	-36.8619	24.789801	-21.2397	1.3201	1.1542
13.0291	0.5466	0.06	0.6144	0.012	0	0	42.472	-38.5942	27.160999	-23.348	1.2224	1.1372
14.0154	0.5694	0.0596	0.6372	0.0118	0	0	42.7694	-38.2797	27.041901	-22.6011	1.2213	1.146
15.0042	0.5833	0.0586	0.6508	0.012	0	0	44.1947	-40.963	28.1383	-24.8921	1.1727	1.0453
16.0181	0.5984	0.0585	0.6676	0.0104	0	0	44.4439	-40.1259	27.5175	-23.6622	1.3638	1.2812
17.0325	0.609	0.0583	0.6784	0.01	0	0	44.0257	-38.6455	27.2344	-23.259	1.4029	1.2435
18.036	0.6144	0.0582	0.6829	0.0103	0	0	43.2119	-39.4347	26.431101	-21.7504	1.4	1.3371
19.0043	0.618	0.0582	0.6895	0.0086	0	0	44.2487	-40.5239	27.770901	-22.3057	1.651	1.7062
20.0548	0.6166	0.0569	0.6853	0.0103	0	0	43.2123	-40.622	26.9431	-23.6719	1.4913	1.3381
21.0053	0.614	0.0577	0.6825	0.0097	0	0	42.9753	-42.2173	27.4443	-23.3104	1.4754	1.5263
22.0277	0.6111	0.0585	0.6821	0.0086	0	0	46.0123	-45.9363	29.2019	-25.6544	1.5342	1.4649
23.0171	0.6075	0.0558	0.6761	0.0087	0	0	48.4366	-42.1427	29.0716	-24.4328	1.4544	1.4114
24.0004	0.5971	0.0586	0.6702	0.0093	0	0	44.9118	-43.202	28.335501	-25.8328	1.55	1.4
25.0217	0.5896	0.0585	0.6589	0.0106	0	0	43.9012	-43.3572	27.692699	-24.6296	1.4217	1.47
26.0136	0.5822	0.0569	0.651	0.0097	0	0	48.8364	-47.7887	30.6908	-28.5508	1.4476	1.3865
27.0491	0.5762	0.0585	0.6477	0.0088	0	0	47.9553	-49.4155	29.334801	-27.7885	1.6675	1.6026
28.0643	0.5695	0.0571	0.6382	0.0092	0	0	45.2344	-48.4582	28.5061	-25.46	1.5377	1.6684
29.0123	0.5597	0.0585	0.6274	0.0104	0	0	43.2477	-48.1945	27.7022	-26.9924	1.6305	1.5296
30.0292	0.5496	0.0577	0.6203	0.009	0	0	46.1186	-51.2245	29.038401	-27.0577	1.6618	1.7
31.0022	0.5414	0.0592	0.6134	0.0088	0	0	48.6768	-47.7671	29.500601	-26.1423	1.6537	1.5898
32.0988	0.5327	0.0577	0.5996	0.0114	0	0	44.4416	-48.2885	27.4806	-26.5282	1.5309	1.6024
33.0335	0.5249	0.0584	0.5943	0.0098	0	0	46.3032	-52.5009	27.4263	-28.9747	1.7706	1.5284
34.0482	0.5139	0.0585	0.5829	0.0104	0	0	48.4459	-52.1739	31.618099	-30.9096	1.4833	1.4159
35.0053	0.5071	0.0588	0.5765	0.0104	0	0	52.0775	-53.749	32.072399	-31.1882	1.5623	1.4605
36.0372	0.5006	0.0576	0.5662	0.0114	0	0	50.6393	-52.4648	32.401901	-30.196	1.3444	1.3413
37.0374	0.4915	0.058	0.5588	0.0116	0	0	51.115	-52.6334	33.0331	-32.3227	1.3362	1.2732
38.064	0.4877	0.0584	0.5568	0.0096	0	0	50.8414	-58.0648	32.443802	-33.1234	1.6746	1.5675
39.0323	0.4796	0.0575	0.5441	0.0117	0	0	49.9356	-54.3191	30.432899	-31.307	1.5368	1.521
40.0495	0.471	0.0586	0.541	0.0099	0	0	50.5927	-56.2994	33.0896	-33.5304	1.5912	1.621
41.0361	0.4624	0.059	0.5297	0.0114	0	0	50.5004	-58.7255	31.5368	-34.5733	1.5474	1.3482
42.0085	0.4544	0.0593	0.5227	0.0111	0	0	52.9599	-56.9343	32.290001	-34.1668	1.5042	1.4133
43.0093	0.4443	0.058	0.5102	0.0116	0	0	54.9072	-60.2614	33.1371	-36.8133	1.4746	1.3849
44.0334	0.4382	0.0594	0.5077	0.01	0	0	54.1057	-60.2084	32.957401	-33.0898	1.6114	1.6228
45.0053	0.4343	0.0587	0.5025	0.0091	0	0	56.103	-61.6258	35.089199	-33.0781	1.6902	1.7402
46.0122	0.4205	0.0597	0.4856	0.0129	0	0	51.4636	-60.8607	32.565102	-36.6832	1.4095	1.3302
47.0074	0.4048	0.0594	0.4724	0.0113	0	0	55.1518	-63.9718	34.6096	-35.6757	1.5333	1.6096
48.0015	0.3932	0.0558	0.4544	0.0126	0	0	56.6752	-65.7821	35.1637	-39.1528	1.5392	1.4433
49.0042	0.3883	0.0573	0.4518	0.0109	0	0	60.4479	-67.9697	36.8745	-37.5505	1.571	1.5956
50.0508	0.3756	0.0566	0.4376	0.0115	0	0	57.8343	-69.6847	33.835899	-38.356	1.6358	1.5042
51.0508	0.3644	0.0572	0.426	0.0109	0	0	58.174	-70.1697	33.801201	-38.4379	1.7222	1.6111
52.0088	0.3471	0.0563	0.405	0.0134	0	0	59.7493	-66.2816	35.807499	-38.9917	1.4525	1.4217
53.0176	0.3358	0.0564	0.395	0.0117	0	0	55.2757	-68.3344	34.1833	-37.967	1.6741	1.6889
54.0289	0.3225	0.056	0.3804	0.0126	0	0	61.9269	-74.0736	34.7715	-42.4237	1.899	1.6706
55.0214	0.3108	0.0556	0.3652	0.0141	0	0	58.1984	-65.7098	33.017899	-37.4867	1.7074	1.6009
56.0477	0.3008	0.0569	0.3576	0.012	0	0	62.2587	-75.8409	33.1623	-42.6327	2.4024	1.9964
57.0585	0.2902	0.0589	0.3502	0.0102	0	0	63.3326	-77.2369	31.3431	-44.6392	2.6282	2.0372
58.0193	0.2828	0.0572	0.3335	0.0154	0	0	60.4827	-76.7368	30.117201	-39.0236	2.5639	2.2403
59.0387	0.2706	0.0573	0.3248	0.0125	0	0	61.1668	-78.1114	32.2178	-44.9202	2.3309	2.0381
60.0322	0.26	0.0577	0.3126	0.0137	0	0	61.3884	-90.4076	31.614	-54.1042	2.609	1.9769
61.0574	0.2596	0.0559	0.3137	0.0091	0	0	71.759	-90.4455	38.4347	-57.58	2.8764	2.25
62.0288	0.2597	0.0539	0.3125	0.0097	0	0	74.9085	-86.0446	38.630501	-53.5574	2.8083	2.05
63.0531	0.2456	0.0574	0.3029	0.0121	0	0	67.6157	-82.7725	37.183498	-45.8056	2.1767	1.92
64.0462	0.2374	0.0559	0.2878	0.0153	0	0	67.8249	-86.219	36.770802	-49.9369	2.11	1.8633
65.0142	0.2212	0.0593	0.2779	0.0139	0	0	68.4256	-88.8893	35.115299	-54.3507	2.2511	1.6211
66.0494	0.2148	0.0593	0.2689	0.0128	0	0	81.8739	-107.298	40.830399	-63.3378	2.482	1.932
67.0671	0.2135	0.057	0.2616	0.0132	0	0	82.7991	-130.568	44.298901	-78.2024	2.9833	2.1055
68.0398	0.205	0.0556	0.2503	0.0151	0	0	94.492	-143.872	45.3074	-86.7578	2.4928	1.6762
69.0584	0.1962	0.0569	0.2469	0.0121	0	0	98.0938	-131.974	55.378201	-76.5368	2.1878	1.8867
70.0561	0.1879	0.0568	0.2377	0.0136	0	0	101.6708	-149.24	49.779099	-94.7042	2.22	1.4989
71.0716	0.1778	0.0547	0.2213	0.0143	0	0	93.4194	-200.742	48.215302	-126.595	2.5893	1.4357
72.0399	0.1681	0.054	0.2118	0.0147	0	0	90.4981	-225.086	50.1516	-143.925	2.7357	1.4143
73.0598	0.1591	0.0576	0.2076	0.0155	0	0	90.4092	-230.084	49.108002	-136.795	2.4552	1.3698
74.0453	0.1543	0.0569	0.1967	0.0174	0	0	98.465	-271.184	52.695499	-158.475	2.5755	1.3667
75.0464	0.1435	0.0566	0.1884	0.0156	0	0	112.1534	-245.693	60.929501	-155.124	2.3927	1.3615
	avgFEO2-%	avgFECO2-	avgFIO2-%	avgFICO2-%	Exp Vol-l	InsVol-l/b	PeakExpPr	PeakInsPr	Exp Av Prs	Ins Av Prs	Exp Time	Ins Time
	0.414289	0.058236	0.477391	0.011861	0	0	55.05765	-71.5083	31.959195	-41.9875	1.772625	1.549311

Exp CO2 Pl	minFICO2	VO2	Stpd VCO2	Stpc VE	Stpd	Spare 1	Heart Rate	InsWB End	InsDB EndT	ExpDB EndT	ExpWB En	Pk FIO2-%	Test time
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.0641	0.0006	0	0	0	19.2401	0	28.5463	28.4116	30.4944	29.0913	0.5567	1.0259
0.0703	0.0003	0	0	0	17.0321	0	26.9311	28.0394	31.6842	29.924	0.5537	2.0536
0.0729	0.0004	0	0	0	18.4571	0	28.2577	29.7194	32.309502	30.0782	0.5134	3.0113
0.0725	0.0004	0	0	0	19.6798	0	29.0731	30.7834	32.246201	29.8672	0.4896	4.0763
0.0725	0.0004	0	0	0	20.2772	0	29.3392	31.461201	32.1292	29.5195	0.4872	5.0423
0.0727	0.0006	0	0	0	23.3357	0	29.5826	32.0634	32.648602	29.9418	0.488	6.0275
0.0722	0.0008	0	0	0	25.4388	0	29.5674	32.334	32.9702	30.2174	0.4888	7.033
0.0727	0.0009	0	0	0	23.7179	0	30.4261	32.928398	33.479	31.5226	0.496	8.0149
0.0725	0.0013	0	0	0	26.7664	0	32.2643	33.343399	33.777699	32.8849	0.5123	9.0068
0.0722	0.001	0	0	0	23.1039	0	32.8928	33.790298	33.699501	33.519	0.5419	10.0345
0.0718	0.001	0	0	0	25.3765	0	33.4919	33.918598	33.824501	33.8357	0.575	11.017
0.0719	0.0009	0	0	0	24.7626	0	34.1564	34.460499	34.575401	34.9917	0.6073	12.0066
0.0708	0.0008	0	0	0	26.1835	0	34.3991	34.5439	34.7155	35.1397	0.6366	13.0291
0.0702	0.0008	0	0	0	26.7355	0	34.4842	34.604698	35.066101	35.6085	0.6599	14.0154
0.0698	0.0007	0	0	0	27.5836	0	35.3152	35.090801	35.178501	35.8992	0.6752	15.0042
0.0691	0.0005	0	0	0	23.7806	0	35.2759	35.3321	35.0228	35.7859	0.6891	16.0181
0.069	0.0004	0	0	0	23.2654	0	35.1247	35.259102	35.229401	35.9653	0.699	17.0325
0.0693	0.0004	0	0	0	22.6407	0	35.4261	35.594501	35.3708	36.1557	0.705	18.036
0.0689	0.0003	0	0	0	19.1198	0	35.6184	36.287601	35.710899	36.7951	0.7092	19.0043
0.0694	0.0003	0	0	0	23.1038	0	35.7852	36.0863	36.084999	36.95	0.7101	20.0548
0.0686	0.0002	0	0	0	21.0358	0	36.6817	36.961899	36.077702	36.8723	0.7061	21.0053
0.0686	0.0002	0	0	0	20.8905	0	37.6072	37.806	36.8624	37.9063	0.7043	22.0277
0.0671	0.0001	0	0	0	21.4161	0	37.308	37.503399	37.030899	37.8503	0.7001	23.0171
0.0697	0.0002	0	0	0	21.5317	0	38.1533	38.122101	37.118698	38.1079	0.6946	24.0004
0.0693	0.0002	0	0	0	22.0605	0	38.3285	38.221802	37.841202	38.7139	0.6867	25.0217
0.0677	0.0001	0	0	0	22.364	0	38.8624	38.780602	38.097401	38.978	0.6761	26.0136
0.0685	0.0001	0	0	0	19.3806	0	39.1288	39.262798	38.320599	39.3822	0.673	27.0491
0.0678	0.0001	0	0	0	19.5868	0	39.6342	39.6814	38.870499	40.0098	0.6628	28.0643
0.069	0.0002	0	0	0	20.2972	0	39.938	39.693199	38.7052	39.8623	0.6526	29.0123
0.0683	0.0002	0	0	0	18.5896	0	39.9639	40.1087	39.0811	40.2066	0.6437	30.0292
0.0699	0.0002	0	0	0	19.5172	0	39.8926	39.913399	39.039902	40.1932	0.6379	31.0022
0.0694	0.0002	0	0	0	20.84	0	40.2577	40.204899	39.3162	40.3992	0.6287	32.0988
0.0692	0.0001	0	0	0	18.7362	0	40.2547	40.178902	39.0047	40.4303	0.6194	33.0335
0.0692	0.0001	0	0	0	21.6212	0	40.8386	40.636101	39.616199	40.5481	0.6108	34.0482
0.0698	0.0002	0	0	0	21.0064	0	41.1436	40.8391	39.615101	40.701	0.604	35.0053
0.0688	0.0002	0	0	0	22.974	0	41.2748	41.099201	39.9212	40.7663	0.5955	36.0372
0.0689	0.0002	0	0	0	24.2342	0	41.4256	41.171398	40.1917	41.0594	0.5901	37.0374
0.0693	0.0001	0	0	0	19.5334	0	41.1354	41.2453	39.923901	40.8553	0.5834	38.064
0.0691	0.0002	0	0	0	21.2642	0	41.5615	41.509899	40.340401	41.2487	0.5738	39.0323
0.0691	0.0002	0	0	0	20.1753	0	41.9515	41.952702	40.367401	41.3239	0.5682	40.0495
0.0698	0.0001	0	0	0	21.5786	0	41.8436	41.633499	40.783199	41.7097	0.5588	41.0361
0.0704	0.0001	0	0	0	21.4593	0	42.041	41.789101	40.7995	41.7471	0.5529	42.0085
0.0691	0.0001	0	0	0	21.8169	0	42.7776	42.3423	40.9086	41.8353	0.5415	43.0093
0.0695	0.0001	0	0	0	19.2304	0	42.6912	42.374001	41.0084	41.9064	0.5337	44.0334
0.0684	0.0001	0	0	0	17.9698	0	43.1095	43.0308	41.5802	42.4485	0.5269	45.0053
0.0705	0.0002	0	0	0	23.2717	0	42.8128	42.371101	41.678001	42.4964	0.5195	46.0122
0.0698	0.0002	0	0	0	20.3486	0	43.2143	43.032398	41.362801	41.8955	0.5034	47.0074
0.0669	0.0005	0	0	0	21.1012	0	43.0836	42.601501	41.294998	42.2318	0.4837	48.0015
0.0676	0.0003	0	0	0	19.9446	0	43.551	43.1194	41.351002	42.3162	0.4779	49.0042
0.0673	0.0004	0	0	0	19.8144	0	43.5086	42.978901	41.466202	42.4394	0.4641	50.0508
0.0677	0.0003	0	0	0	18.5647	0	43.4705	43.1035	41.6721	42.4987	0.4511	51.0508
0.0675	0.0003	0	0	0	21.5914	0	43.4425	42.860699	42.132999	43.0181	0.4361	52.0088
0.0675	0.0003	0	0	0	18.819	0	43.5721	43.2085	41.898201	42.7308	0.4216	53.0176
0.067	0.0003	0	0	0	17.8149	0	43.9851	43.381401	41.066799	41.8997	0.4081	54.0289
0.0677	0.0004	0	0	0	19.1362	0	43.5894	42.967098	40.881802	41.922	0.3938	55.0214
0.0684	0.0002	0	0	0	14.2604	0	43.7091	43.382599	41.048302	42.0315	0.3812	56.0477
0.0698	0.0002	0	0	0	13.2865	0	44.2945	43.706902	40.650902	41.6743	0.3707	57.0585
0.0687	0.0002	0	0	0	12.8664	0	44.6791	43.922298	41.429699	42.5867	0.3612	58.0193
0.0688	0.0002	0	0	0	14.1276	0	44.4664	43.661098	41.337101	42.4004	0.3469	59.0387
0.0692	0.0001	0	0	0	13.5718	0	44.3494	43.809898	40.916401	41.5955	0.337	60.0322
0.0669	0.0001	0	0	0	11.9099	0	45.0651	44.5457	40.673901	41.5345	0.3314	61.0574
0.0646	0.0001	0	0	0	12.9614	0	44.452	43.897099	41.2099	42.3585	0.335	62.0288
0.0681	0.0002	0	0	0	15.125	0	44.1412	43.458599	41.3507	42.3289	0.328	63.0531
0.0674	0.0003	0	0	0	15.6549	0	44.0815	43.5425	41.530998	42.4058	0.3157	64.0462
0.0706	0.0003	0	0	0	15.827	0	44.3272	43.406898	41.3297	42.3133	0.3056	65.0142
0.0696	0.0001	0	0	0	13.7854	0	44.3604	43.8139	41.370701	42.2303	0.2917	66.0494
0.0682	0.0001	0	0	0	11.9105	0	43.9276	43.373199	40.602798	41.4599	0.2856	67.0671
0.0673	0.0001	0	0	0	14.5304	0	44.1234	43.452	40.854301	41.7043	0.2755	68.0398
0.0672	0.0002	0	0	0	15.2616	0	43.8843	43.350101	41.5214	42.6083	0.2695	69.0584
0.0685	0.0002	0	0	0	16.3666	0	44.168	43.314201	41.062	42.1619	0.2642	70.0561
0.066	0.0003	0	0	0	14.9792	0	43.6628	43.035801	39.4049	39.6549	0.2454	71.0716
0.0649	0.0011	0	0	0	14.544	0	42.9407	42.640099	40.356499	40.9609	0.235	72.0399
0.0684	0.0014	0	0	0	15.8659	0	42.2501	42.220699	39.653198	39.9922	0.2339	73.0598
0.068	0.0012	0	0	0	15.4032	0	42.8695	42.745399	40.517799	41.3946	0.2255	74.0453
0.0672	0.0013	0	0	0	16.1186	0	42.3912	42.398701	40.023201	40.671	0.2152	75.0464
Exp CO2 Pl	minFICO2	VO2	Stpd VCO2	Stpc VE	Stpd	Spare 1	Heart Rate	InsWB End	InsDB EndT	ExpDB EndT	ExpWB En	Pk FIO2-%	Test time
0.069021	0.000369	0	0	0	19.56632	0	39.54848	39.56556384	38.51052024	39.01695	0.504441	38.03226	

ExpH2OVa	InsH2OVap	Avg Exh O2	MouthO2T	Mth CO2T/	MouthO2V	Mth CO2V	InsWBAvg	InsDBAvgT	Exp RH	Ins RH
0	0	0	0	0	0	0	0	0	0	0
0	0	0.6041	0.3816	0.0343	0.3816	0.0343	29.1035	29.4075	0	96.6671
0	0	0.6072	0.4461	0.0369	0.4461	0.0369	29.6905	30.2204	0	95.8275
0	0	0.6108	0.4478	0.0384	0.4478	0.0384	28.9803	30.2777	0	90.1018
0	0	0.6098	0.4326	0.0384	0.4326	0.0384	29.7498	31.1301	0	89.5574
0	0	0.6121	0.434	0.0384	0.434	0.0384	29.9901	31.6139	0	87.8399
0	0	0.6124	0.4338	0.0389	0.4338	0.0389	30.1711	32.1454	0	85.4589
0	0	0.6139	0.4347	0.0385	0.4347	0.0385	30.5553	32.5729	0	85.223
0	0	0.6151	0.4424	0.0384	0.4424	0.0384	31.3867	32.9999	0	88.1921
0	0	0.6162	0.4594	0.0383	0.4594	0.0383	32.8937	33.2918	0	96.9843
0	0	0.618	0.4922	0.0362	0.4922	0.0362	33.9712	33.8084	0	98.9943
0	0	0.6189	0.523	0.0371	0.523	0.0371	34.7142	34.1649	0	99.2593
0	0	0.6193	0.5541	0.0365	0.5541	0.0365	34.8601	34.2454	0	99.7495
0	0	0.6202	0.5805	0.036	0.5805	0.036	35.2908	34.5435	0	99.5204
0	0	0.6208	0.6033	0.0357	0.6033	0.0357	35.4883	34.7224	0	99.8058
0	0	0.6212	0.6171	0.0353	0.6171	0.0353	35.7434	34.8318	0	99.7825
0	0	0.622	0.633	0.0345	0.633	0.0345	35.9688	35.0741	0	99.6902
0	0	0.6225	0.6437	0.0342	0.6437	0.0342	36.1985	35.2749	0	99.9351
0	0	0.6231	0.6487	0.0342	0.6487	0.0342	36.3341	35.4662	0	99.9186
0	0	0.6241	0.6537	0.0334	0.6537	0.0334	36.3977	35.7495	0	99.4477
0	0	0.6244	0.6509	0.0336	0.6509	0.0336	36.6039	35.8674	0	99.8495
0	0	0.626	0.6482	0.0337	0.6482	0.0337	37.1538	36.3742	0	99.6293
0	0	0.6277	0.6466	0.0336	0.6466	0.0336	37.7155	36.8924	0	99.6852
0	0	0.629	0.6418	0.0323	0.6418	0.0323	38.0683	37.2661	0	99.9682
0	0	0.6296	0.6337	0.034	0.6337	0.034	38.4033	37.5314	0	99.6269
0	0	0.6308	0.6243	0.0346	0.6243	0.0346	38.7403	37.8835	0	99.9417
0	0	0.6321	0.6166	0.0333	0.6166	0.0333	39.177	38.315	0	99.7985
0	0	0.6326	0.612	0.0337	0.612	0.0337	39.2783	38.4774	0	99.9897
0	0	0.6337	0.6038	0.0332	0.6038	0.0332	39.5454	38.7545	0	99.875
0	0	0.634	0.5935	0.0344	0.5935	0.0344	39.8547	38.8388	0	99.8657
0	0	0.6349	0.585	0.0333	0.585	0.0333	39.9599	39.1639	0	99.7969
0	0	0.6352	0.5774	0.034	0.5774	0.034	40.0608	39.212	0	99.9259
0	0	0.6362	0.5662	0.0346	0.5662	0.0346	40.3907	39.569	0	99.6896
0	0	0.6354	0.5596	0.0341	0.5596	0.0341	40.3879	39.3093	0	100
0	0	0.637	0.5484	0.0344	0.5484	0.0344	40.6807	39.8473	0	99.9627
0	0	0.6374	0.5418	0.0346	0.5418	0.0346	40.9041	39.9831	0	99.9142
0	0	0.6381	0.5334	0.0345	0.5334	0.0345	40.9916	40.2596	0	99.9514
0	0	0.6385	0.5252	0.0348	0.5252	0.0348	41.0443	40.3288	0	99.9501
0	0	0.6391	0.5223	0.034	0.5223	0.034	41.1721	40.4558	0	99.8324
0	0	0.6398	0.5119	0.0346	0.5119	0.0346	41.4019	40.7061	0	99.8382
0	0	0.6401	0.506	0.0342	0.506	0.0342	41.4453	40.7741	0	99.7762
0	0	0.6406	0.496	0.0352	0.496	0.0352	41.7809	41.0127	0	99.8703
0	0	0.641	0.4885	0.0352	0.4885	0.0352	41.87	41.0911	0	99.9353
0	0	0.642	0.4772	0.0348	0.4772	0.0348	42.2459	41.4263	0	100
0	0	0.6421	0.473	0.0347	0.473	0.0347	42.2641	41.479	0	99.9691
0	0	0.6435	0.4684	0.0339	0.4684	0.0339	42.5119	41.8926	0	100
0	0	0.6428	0.4531	0.0363	0.4531	0.0363	42.3883	41.741	0	100
0	0	0.6441	0.4386	0.0353	0.4386	0.0353	42.7074	42.1707	0	99.9172
0	0	0.6427	0.4238	0.0342	0.4238	0.0342	42.4532	41.6666	0	100
0	0	0.6434	0.4201	0.0341	0.4201	0.0341	42.6661	41.9078	0	100
0	0	0.6435	0.4066	0.0341	0.4066	0.0341	42.7373	41.9448	0	100
0	0	0.6444	0.3952	0.0341	0.3952	0.0341	42.9088	42.1741	0	100
0	0	0.6446	0.3761	0.0349	0.3761	0.0349	42.9794	42.259	0	100
0	0	0.6451	0.3654	0.0341	0.3654	0.0341	43.1291	42.4344	0	100
0	0	0.6438	0.3514	0.0343	0.3514	0.0343	42.9071	42.1269	0	100
0	0	0.6431	0.338	0.0348	0.338	0.0348	42.6883	41.9417	0	100
0	0	0.6437	0.3292	0.0345	0.3292	0.0345	42.8187	42.1375	0	100
0	0	0.6436	0.3202	0.0345	0.3202	0.0345	43.0168	42.2414	0	100
0	0	0.6437	0.3081	0.0363	0.3081	0.0363	42.9513	42.1576	0	100
0	0	0.6446	0.2977	0.0349	0.2977	0.0349	43.3045	42.5837	0	100
0	0	0.644	0.2863	0.0357	0.2863	0.0357	42.91	42.4096	0	99.9997
0	0	0.645	0.2867	0.0325	0.2867	0.0325	43.322	42.6887	0	100
0	0	0.6443	0.2861	0.0318	0.2861	0.0318	43.1881	42.424	0	100
0	0	0.644	0.2743	0.0348	0.2743	0.0348	42.9756	42.3956	0	100
0	0	0.6447	0.2626	0.0356	0.2626	0.0356	43.0148	42.6451	0	100
0	0	0.6437	0.2495	0.0366	0.2495	0.0366	42.8331	42.5246	0	99.9786
0	0	0.6442	0.2418	0.0361	0.2418	0.0361	42.8897	42.6563	0	99.9715
0	0	0.644	0.2375	0.0351	0.2375	0.0351	42.8635	42.3587	0	100
0	0	0.6433	0.2277	0.0354	0.2277	0.0354	42.6438	42.2899	0	100
0	0	0.6439	0.2216	0.0345	0.2216	0.0345	42.8846	42.3465	0	100
0	0	0.6423	0.2128	0.0352	0.2128	0.0352	42.3734	41.9916	0	100
0	0	0.642	0.1995	0.0345	0.1995	0.0345	42.0337	41.9081	0	99.9208
0	0	0.6417	0.19	0.0344	0.19	0.0344	41.7509	41.7691	0	99.6782
0	0	0.6409	0.1833	0.0365	0.1833	0.0365	41.4691	41.4999	0	99.5781
0	0	0.6403	0.1755	0.0372	0.1755	0.0372	41.199	41.3578	0	98.9832
0	0	0.64	0.1659	0.0361	0.1659	0.0361	41.0988	41.3662	0	98.222
ExpH2OVa	InsH2OVap	Avg Exh O2	MouthO2T	Mth CO2T/	MouthO2V	Mth CO2V	InsWBAvg	InsDBAvgT	Exp RH	Ins RH
0	0	0.633785	0.44584	0.035057	0.44584	0.035057	39.33663	38.91161	0	98.73129

CAPACITY
PROCEDURE NO. TEB-CCER-STP-0612

Date	11/30/15
Manufacturer	CSE
TN	20307
Model	SR-2000
Serial #	201507-023
Manufacturing Date	07/15
Phenol:	G
Leak Rate	—
Capacity	3.0
Subject Height	5'10"
Subject Weight Initial	162.5
Subject Weight Final	162.5
Starting O2	X
End O2	X

Speed	3.0
Grade	7.0

Test Duration	76:30
Technician(s)	Palmiero, Walbert

Comments

Date	12/1/15
TN #	20307
Manufacturer	CSE
Model	SR-2000
Phenol:	(-)
Leak Rate	X
Subject Height	5'10
Subject Weight Initial	162.5
Subject Weight Final	162.5
Starting O2	X
End O2	X
Capacity	3.0
Serial #	201507-026
Test:	Man Test 4 (60 Min.)
Ambient Temp.	20.7°C

Sample and Readings	Baseline (0-2 min)	Reading 2 (23-25 min.)	Reading 3(42-44 min.)	Resting
HR	77	92	146	127
BR	12	22	22	16
CO2	.2	.48	.36	.15
O2	57.0	90.0	91	95
Peak Inhalation	-14	-24	-54	-160
Peak Exhalation	12.0	17	36	81
Temperature (F)	34.8	34.5	41.4	37.3

Comments
Technician: Palmiero

CAPACITY
PROCEDURE NO. TEB-CCER-STP-0612

Date	11/16/15
Manufacturer	CSE
TN	20307
Serial #	201507-011
Phenol:	⊖
Leak Rate	20
Capacity	3
Subject Height	5,10
Subject Weight Initial	163
Subject Weight Final	163
Starting O2	X
End O2	X

Unit weight before: 7.5lb.

Speed	3.0
Grade	7.0

Test Duration	74:00
Technician(s)	Palmiero, Walbert

Comments

STP-0613, SR2000, CAP 3, TN-20307

Time	avgFEO2-%	avgFECO2-	avgFIO2-%	avgFICO2-9	Exp Vol-l	InsVol-l/b	PeakExpPr	PeakInsPr	Exp Av Prs	Ins Av Prs	Exp Time
0	0	0	0	0	0	0	0	0	0	0	0
1.0414	0.4354	0.0542	0.5984	0.003	0	0	28.9893	-22.7636	14.6995	-9.8915	5.5055
2.0659	0.4428	0.0698	0.5276	0.0073	0	0	31.005	-53.7006	16.8202	-24.0949	3.6133
3.0227	0.3924	0.0697	0.4636	0.0106	0	0	52.3537	-76.3687	28.8345	-37.2542	1.6667
4.0357	0.362	0.0743	0.4377	0.0089	0	0	61.9943	-98.3113	30.8115	-49.4224	2.2177
5.0369	0.3844	0.0724	0.4564	0.0069	0	0	63.0079	-102.789	30.1986	-51.8684	2.6619
6.0277	0.3983	0.0715	0.4726	0.0072	0	0	59.1163	-116.812	30.13	-55.5507	2.7923
7.0464	0.435	0.0714	0.5138	0.0075	0	0	53.102	-106.723	28.0556	-50.9442	2.9449
8.0335	0.4774	0.0711	0.5595	0.0071	0	0	54.1481	-98.2605	28.2746	-50.795	2.8654
9	0.5264	0.0706	0.6079	0.0068	0	0	63.7627	-103.95	30.7167	-49.8067	2.7243
10.0452	0.5604	0.0734	0.6448	0.0067	0	0	60.5569	-103.434	29.6035	-47.0918	2.9654
11.0459	0.5874	0.0704	0.6699	0.0068	0	0	61.1254	-97.5804	29.1316	-46.7421	2.7885
12.0294	0.6057	0.0689	0.687	0.0072	0	0	69.8122	-101.466	32.78	-50.391	2.4928
13.0105	0.6164	0.0696	0.6981	0.0072	0	0	64.7568	-99.4468	30.6734	-49.8749	2.7846
14.0086	0.6143	0.0663	0.6942	0.0085	0	0	64.9843	-105.575	32.2586	-54.3289	2.6309
15.012	0.6138	0.0667	0.6942	0.0087	0	0	62.48	-109.793	32.6178	-58.1661	2.6702
16.0106	0.6093	0.0642	0.6854	0.0093	0	0	66.5605	-112.603	33.7439	-62.3104	2.5133
17.0185	0.6049	0.0661	0.6823	0.009	0	0	62.4173	-106.19	31.7907	-56.2269	2.6762
18.0399	0.5997	0.0639	0.6756	0.0092	0	0	71.9799	-108.063	35.4188	-56.8862	2.4711
19.0669	0.5926	0.0649	0.6681	0.0082	0	0	80.8322	-105.452	36.1304	-52.8985	2.5559
20.0069	0.5852	0.0641	0.6603	0.0092	0	0	77.4361	-112.346	37.1461	-58.1407	2.3655
21.0208	0.5823	0.0612	0.6551	0.0094	0	0	71.7402	-102.964	37.2731	-59.989	2.2927
22.0573	0.5924	0.0565	0.6591	0.008	0	0	46.1513	-80.3262	24.8093	-46.7026	3.3583
23.1001	0.5964	0.0521	0.6594	0.0079	0	0	37.2652	-51.483	20.2188	-29.3407	3.2222
24.0051	0.5893	0.0536	0.657	0.007	0	0	35.0484	-44.825	18.4346	-27.7906	4.0092
25.0269	0.5797	0.0492	0.6411	0.0086	0	0	29.3534	-45.9093	17.588	-25.2803	3.1894
26.0447	0.5675	0.0538	0.6371	0.0064	0	0	27.0022	-37.8961	16.7734	-19.648	4.1629
27.0889	0.563	0.0543	0.6302	0.0063	0	0	25.5713	-36.6241	15.0012	-21.2672	5.1979
28.1639	0.5532	0.059	0.6285	0.0043	0	0	25.7049	-32.2008	13.3952	-16.0578	5.7111
29.0843	0.5468	0.0526	0.612	0.0081	0	0	25.7021	-36.9279	14.3309	-22.6502	4.7333
30.1693	0.5354	0.0572	0.6021	0.0064	0	0	24.327	-34.726	13.1045	-18.9951	5.5639
31.0199	0.5194	0.0572	0.5913	0.0067	0	0	48.4567	-56.8359	17.488	-29.3601	4.7786
32.0244	0.4785	0.0621	0.5513	0.0098	0	0	65.9431	-92.89	31.8367	-49.6872	2.7231
33.0416	0.4638	0.0676	0.5386	0.0097	0	0	94.87	-131.583	46.942	-65.9095	2.1833
34.0411	0.4799	0.065	0.55	0.0097	0	0	100.5602	-145.448	46.8506	-72.6253	2.1979
35.0051	0.488	0.0632	0.5578	0.01	0	0	93.1152	-143.292	43.5012	-73.4978	2.3378
36.0512	0.4893	0.062	0.5574	0.0105	0	0	85.6725	-141.241	43.0193	-75.4485	2.3989
37.0135	0.4881	0.0631	0.558	0.0102	0	0	90.1602	-130.385	39.683	-74.7445	2.6286
38.0441	0.4718	0.0633	0.5443	0.0097	0	0	82.1528	-128.53	39.3088	-69.7966	2.5278
39.0408	0.4545	0.0626	0.5246	0.0101	0	0	77.0821	-129.516	38.4133	-73.8943	2.5033
40.0456	0.4353	0.0636	0.5023	0.0103	0	0	75.2711	-136.339	36.8815	-74.3561	2.5167
41.0434	0.408	0.0616	0.4715	0.0108	0	0	85.6914	-130.995	40.6225	-75.0415	2.2906
42.0348	0.3804	0.061	0.4428	0.0096	0	0	83.7095	-140.807	40.4914	-79.3998	2.4867
43.0537	0.3617	0.0594	0.4218	0.0091	0	0	86.814	-120.713	37.8731	-69.0292	2.5255
44.0513	0.3291	0.0586	0.3868	0.0098	0	0	79.8401	-125.331	36.1425	-71.1752	2.4467
45.0447	0.2961	0.0576	0.3524	0.0096	0	0	82.6792	-115.181	35.9185	-70.7026	2.5089
46.0419	0.2603	0.0583	0.3151	0.0095	0	0	93.2291	-124.925	40.483	-74.2442	2.2281
47.0195	0.2134	0.0588	0.2658	0.0115	0	0	84.4028	-130.603	40.6187	-80.5499	2.2354
	0.492923	0.062936	0.566187	0.008389	0	0	63.14759	-97.2367	30.78381	-51.9121	2.997132

Ins	Time	Exp CO2 Pl	minFICO2	VO2	Stpd	VCO2	Stpc	VE	Stpd	Spare	1	Heart Rate	InsWB End	InsDB End	ExpDB End	ExpWB End
	0	0	0		0		0		0		0	0	0	0	0	0
	3.4722	0.0674	0.0006		0		0		0		6.838	0	24.804	25.6111	30.3644	29.7931
	2.5267	0.0878	0.0001		0		0		0		10.7793	0	24.6737	26.8728	31.2602	28.8302
	1.5213	0.0894	-0.0002		0		0		0		19.1649	0	26.039	29.9486	31.3763	27.9142
	1.5792	0.0969	-0.0002		0		0		0		16.1505	0	26.0701	31.2397	32.1046	29.6459
	1.6274	0.0956	0.0001		0		0		0		14.1174	0	25.9878	32.5365	32.4866	30.3949
	1.7782	0.0963	0.0005		0		0		0		13.2345	0	25.7242	33.223	32.7374	30.8045
	1.7551	0.094	0.0003		0		0		0		13.1223	0	25.7846	33.8049	32.2954	30.0014
	1.6897	0.0939	0.0003		0		0		0		13.3653	0	26.4398	34.6575	32.5478	30.2822
	1.7359	0.0921	0.0002		0		0		0		13.8339	0	28.7505	35.8679	33.1196	31.4537
	1.8577	0.0956	0.0002		0		0		0		12.8393	0	32.3735	36.4884	33.6984	35.1492
	1.8295	0.0923	0.0001		0		0		0		13.155	0	34.3642	36.8797	33.1692	35.6977
	1.7214	0.0878	0.0001		0		0		0		14.5069	0	35.5133	37.3836	34.7205	37.943
	1.7436	0.09	0.0001		0		0		0		13.4026	0	36.0439	38.083	34.6818	38.0154
	1.6464	0.0875	0		0		0		0		14.3454	0	36.9375	38.613	35.3154	38.7504
	1.6298	0.0874	0		0		0		0		14.6665	0	34.5302	38.5839	35.5357	37.2412
	1.4811	0.0854	-0.0001		0		0		0		15.4974	0	29.7259	39.4642	35.6581	32.4656
	1.6429	0.0866	0		0		0		0		14.3275	0	32.0303	40.7603	36.5881	34.2423
	1.6144	0.0845	-0.0001		0		0		0		15.0068	0	36.8807	41.6168	37.4715	38.5501
	1.8452	0.0843	-0.0001		0		0		0		13.988	0	40.5129	43.1015	37.8995	41.3176
	1.6631	0.083	-0.0001		0		0		0		15.0983	0	41.2269	43.1137	38.2214	41.9605
	1.5094	0.0795	-0.0001		0		0		0		16.1262	0	41.6138	43.0261	37.8837	41.5149
	1.8236	0.0722	-0.0001		0		0		0		12.0654	0	40.8931	43.2713	37.7338	41.858
	1.9917	0.0637	-0.0001		0		0		0		12.1271	0	39.4202	41.7282	37.2341	40.4418
	2.0241	0.0641	-0.0001		0		0		0		10.3316	0	40.1085	42.5405	37.2762	40.8194
	1.7742	0.0605	0		0		0		0		12.693	0	39.0215	41.0903	36.8418	39.3034
	2.6222	0.0634	-0.0001		0		0		0		9.7408	0	39.9123	42.974	36.976	40.094
	2.6333	0.0657	-0.0001		0		0		0		8.0563	0	39.038	42.4668	36.1803	39.3291
	3.6611	0.0688	-0.0001		0		0		0		6.7253	0	39.7015	44.4113	36.4466	39.9304
	2.1687	0.0642	-0.0001		0		0		0		9.4258	0	38.7764	41.6365	37.2544	40.4625
	3.0917	0.0674	-0.0001		0		0		0		7.0734	0	39.3831	42.8913	36.5894	40.1463
	2.5119	0.0709	-0.0001		0		0		0		8.3858	0	40.3008	43.8122	36.5185	40.3662
	1.9128	0.0804	-0.0001		0		0		0		13.3069	0	43.7056	45.6986	37.9219	42.5754
	1.6312	0.0876	0		0		0		0		15.908	0	45.686	46.8546	40.3029	44.784
	1.55	0.0857	-0.0001		0		0		0		16.0788	0	46.4538	47.5473	40.9956	45.2689
	1.5178	0.0843	-0.0001		0		0		0		15.7891	0	46.612	47.7443	41.2548	45.2775
	1.524	0.0814	-0.0002		0		0		0		15.731	0	46.4391	47.8389	40.6975	44.8911
	1.4952	0.0822	-0.0001		0		0		0		14.7532	0	46.9929	48.5596	40.5334	44.8696
	1.5944	0.0827	-0.0002		0		0		0		14.8172	0	47.4179	49.3249	40.7382	45.4537
	1.4844	0.0818	-0.0001		0		0		0		15.2101	0	47.6229	49.65	40.2673	44.9435
	1.5011	0.0818	0		0		0		0		15.101	0	47.6299	49.0367	41.6757	45.841
	1.4521	0.0796	0		0		0		0		16.1739	0	48.2257	49.8587	41.6785	45.8438
	1.4789	0.0776	-0.0001		0		0		0		15.2788	0	48.7306	50.6797	41.8277	46.0207
	1.55	0.0742	-0.0002		0		0		0		14.9818	0	48.7123	50.7175	42.2477	46.1201
	1.5433	0.0735	-0.0001		0		0		0		15.4648	0	48.6809	50.4363	42.412	46.1768
	1.4644	0.0718	-0.0001		0		0		0		15.3212	0	48.6111	50.4311	42.6228	46.0617
	1.5115	0.0729	-0.0002		0		0		0		16.2694	0	49.7049	51.5695	42.7691	46.2763
	1.4302	0.0761	-0.0001		0		0		0		16.5803	0	49.2094	50.8874	42.7262	45.9018
	1.847106	0.080677	-1.9E-05		0		0		0		13.55226	0	38.7876	42.01136	37.20974	39.38351

Pk FIO2-%	Test time	ExpH2OVa	InsH2OVap	Avg Exh O2	MouthO2T	Mth CO2T/	MouthO2V	Mth CO2V/	InsWBAvgTp	InsDBAvgTp	Exp RH	Ins RH
0	0	0	0	0	0	0	0	0	0	0	0	0
0.6301	1.0414	0	0	0.6033	0.5169	0.0286	0.5169	0.0286	28.0312	27.679701	0	99.6335
0.5537	2.0659	0	0	0.6048	0.4852	0.0385	0.4852	0.0385	26.942801	27.787701	0	93.6169
0.4873	3.0227	0	0	0.6106	0.428	0.0402	0.428	0.0402	27.495701	30.306601	0	79.3901
0.4551	4.0357	0	0	0.6115	0.3999	0.0416	0.3999	0.0416	27.969101	31.2638	0	76.2952
0.4742	5.0369	0	0	0.6141	0.4204	0.0396	0.4204	0.0396	28.0742	32.122898	0	71.6702
0.4936	6.0277	0	0	0.6154	0.4354	0.0394	0.4354	0.0394	28.0516	32.556198	0	69.0037
0.5463	7.0464	0	0	0.6169	0.4744	0.0394	0.4744	0.0394	28.2446	33.123501	0	67.009
0.5933	8.0335	0	0	0.6184	0.5185	0.0391	0.5185	0.0391	28.6625	33.629799	0	66.675
0.6438	9	0	0	0.6204	0.5672	0.0387	0.5672	0.0387	30.010201	34.283699	0	71.1437
0.6809	10.0452	0	0	0.622	0.6026	0.0401	0.6026	0.0401	33.406799	34.822399	0	90.0141
0.697	11.0459	0	0	0.6232	0.6287	0.0386	0.6287	0.0386	35.4077	35.237701	0	99.1034
0.7081	12.0294	0	0	0.6251	0.6463	0.038	0.6463	0.038	36.512501	35.825802	0	99.4636
0.7248	13.0105	0	0	0.6265	0.6573	0.0384	0.6573	0.0384	37.023998	36.3158	0	99.9306
0.7147	14.0086	0	0	0.6277	0.6543	0.0374	0.6543	0.0374	37.530602	36.625801	0	99.6645
0.7163	15.012	0	0	0.6286	0.654	0.0377	0.654	0.0377	35.807098	36.945	0	88.733
0.7072	16.0106	0	0	0.6303	0.6474	0.0368	0.6474	0.0368	31.340401	37.386101	0	62.5417
0.7062	17.0185	0	0	0.6331	0.6436	0.0375	0.6436	0.0375	33.332001	38.359501	0	68.8255
0.6996	18.0399	0	0	0.6354	0.6377	0.0366	0.6377	0.0366	37.481998	39.0728	0	89.7911
0.692	19.0669	0	0	0.6383	0.6304	0.0365	0.6304	0.0365	40.403999	40.1077	0	99.1809
0.6814	20.0069	0	0	0.6391	0.6228	0.0366	0.6228	0.0366	41.215401	40.301498	0	99.7459
0.678	21.0208	0	0	0.6392	0.6187	0.0353	0.6187	0.0353	41.642899	40.286598	0	100
0.6921	22.0573	0	0	0.6367	0.6257	0.0322	0.6257	0.0322	40.4716	39.7327	0	99.3838
0.6857	23.1001	0	0	0.6361	0.6279	0.03	0.6279	0.03	40.009998	39.5159	0	97.7321
0.6841	24.0051	0	0	0.6351	0.6232	0.0303	0.6232	0.0303	39.690399	39.218899	0	98.3319
0.6619	25.0269	0	0	0.6346	0.6104	0.0289	0.6104	0.0289	39.321899	38.8713	0	98.4341
0.6642	26.0447	0	0	0.6358	0.6023	0.0301	0.6023	0.0301	39.490501	39.753101	0	95.2278
0.6515	27.0889	0	0	0.6347	0.5966	0.0303	0.5966	0.0303	39.045101	39.336201	0	95.2322
0.6649	28.1639	0	0	0.6352	0.5908	0.0317	0.5908	0.0317	38.754101	40.354801	0	89.7939
0.6352	29.0843	0	0	0.634	0.5794	0.0304	0.5794	0.0304	39.1716	38.9254	0	97.5951
0.6304	30.1693	0	0	0.635	0.5687	0.0318	0.5687	0.0318	39.123199	39.723999	0	95.2679
0.611	31.0199	0	0	0.6356	0.5554	0.032	0.5554	0.032	39.8568	39.728401	0	98.6954
0.5707	32.0244	0	0	0.6425	0.5149	0.036	0.5149	0.036	42.961102	41.404598	0	100
0.5581	33.0416	0	0	0.6481	0.5012	0.0387	0.5012	0.0387	44.807301	43.151798	0	100
0.5714	34.0411	0	0	0.6504	0.515	0.0374	0.515	0.0374	45.409401	43.849701	0	100
0.5809	35.0051	0	0	0.6511	0.5229	0.0366	0.5229	0.0366	45.476501	44.061798	0	100
0.5838	36.0512	0	0	0.6502	0.5234	0.0362	0.5234	0.0362	45.421398	43.994099	0	99.8744
0.5821	37.0135	0	0	0.6507	0.523	0.0366	0.523	0.0366	45.494801	44.088501	0	100
0.5676	38.0441	0	0	0.6517	0.5081	0.0365	0.5081	0.0365	45.848	44.523399	0	99.9188
0.5453	39.0408	0	0	0.652	0.4895	0.0363	0.4895	0.0363	46.068298	44.531898	0	100
0.5217	40.0456	0	0	0.6528	0.4688	0.037	0.4688	0.037	46.3409	44.826199	0	100
0.491	41.0434	0	0	0.6541	0.4397	0.0362	0.4397	0.0362	46.742802	45.123798	0	100
0.4617	42.0348	0	0	0.6551	0.4116	0.0353	0.4116	0.0353	47.006599	45.673698	0	100
0.4406	43.0537	0	0	0.656	0.3917	0.0343	0.3917	0.0343	47.164398	46.0322	0	99.962
0.404	44.0513	0	0	0.6562	0.358	0.0342	0.358	0.0342	47.1287	45.959599	0	99.9194
0.3696	45.0447	0	0	0.6562	0.3242	0.0336	0.3242	0.0336	46.991001	45.838299	0	100
0.3301	46.0419	0	0	0.6586	0.2877	0.0339	0.2877	0.0339	47.820599	46.669899	0	99.9789
0.2841	47.0195	0	0	0.658	0.2396	0.0352	0.2396	0.0352	47.270199	46.1106	0	100
0.589943	24.04218	0	0	0.635753	0.529562	0.035666	0.529562	0.035666	38.8824361	39.2561997	0	92.6974

PERFORMANCE WORK RATE DETERMINATION

PROCEDURE NO. TEB-CCER-STP-0613

Date	12/9/15
Manufacturer	CSE
TN	20307
Serial #	201507-008
Phenol	⊖
Leak Rate	X
Subject Height	5'9
Subject Weight Initial	178
Subject Weight Final	178
Starting O2	X
End O2	X

Unit weight initial: 9.0 lbs
Unit weigh final: 8.5 lbs

Work Rate Test Sequence		Duration	VO2 (L/min.)	Speed	Grade
Peak		5 min.	3.00	3.4	15.0
High		15 min.	2.00	3.0	12.0
Low		10 min.	0.50	1.2	0.0

Test Duration	47:14
Technician(s)	Palmiero

Comments: Subject notioned to stop test due to increased breathing resistance.

STP-0615

Date	12/10/15
TN #	203017
Manufacturer	CSE
Model	SR-2000
Phenol:	(−)
Leak Rate	X
Subject Height	5'9
Subject Weight Initial	177
Subject Weight Final	177
Starting O2	X
End O2	X
Capacity	3.0L
Serial #	201507-006
Test:	Man Test 4 (60 Min.)
Ambient Temp.	73.9

Sample and Readings	Baseline (0-2 min)	Reading 2 (23-25 min.)	Reading 3(42-44 min.)	Resting
HR	68	86	95	112
BR	6	8	6	5
CO2	.68 (.39)	.7 (.48)	.40 (.52)	.20 (.55)
O2	56.1	79	86	67
Peak Inhalation	−12	−20	−45	−72
Peak Exhalation	8.4	22	+45	+59
Temperature (F)	80.9	93.2	98.1	97.2

Comments	
Technician:	Palmiero

STP-0615

Date	12/1/15
TN #	20307
Manufacturer	CSE
Model	SR-2000
Phenol:	(-)
Leak Rate	X
Subject Height	5'10
Subject Weight Initial	162.5
Subject Weight Final	162.5
Starting O2	X
End O2	X
Capacity	3.0
Serial #	201507-026
Test:	Man Test 4 (60 Min.)
Ambient Temp.	20.7°C

Sample and Readings	Baseline (0-2 min)	Reading 2 (23-25 min.)	Reading 3(42-44 min.)	Resting
HR	77	92	146	127
BR	12	22	22	16
CO2	.2	.48	.36	.15
O2	57.0	90.0	91	95
Peak Inhalation	-14	-24	-54	-160
Peak Exhalation	12.0	17	36	81
Temperature (F)	34.8	34.5	41.4	37.3

Comments
Technician: Palmiero