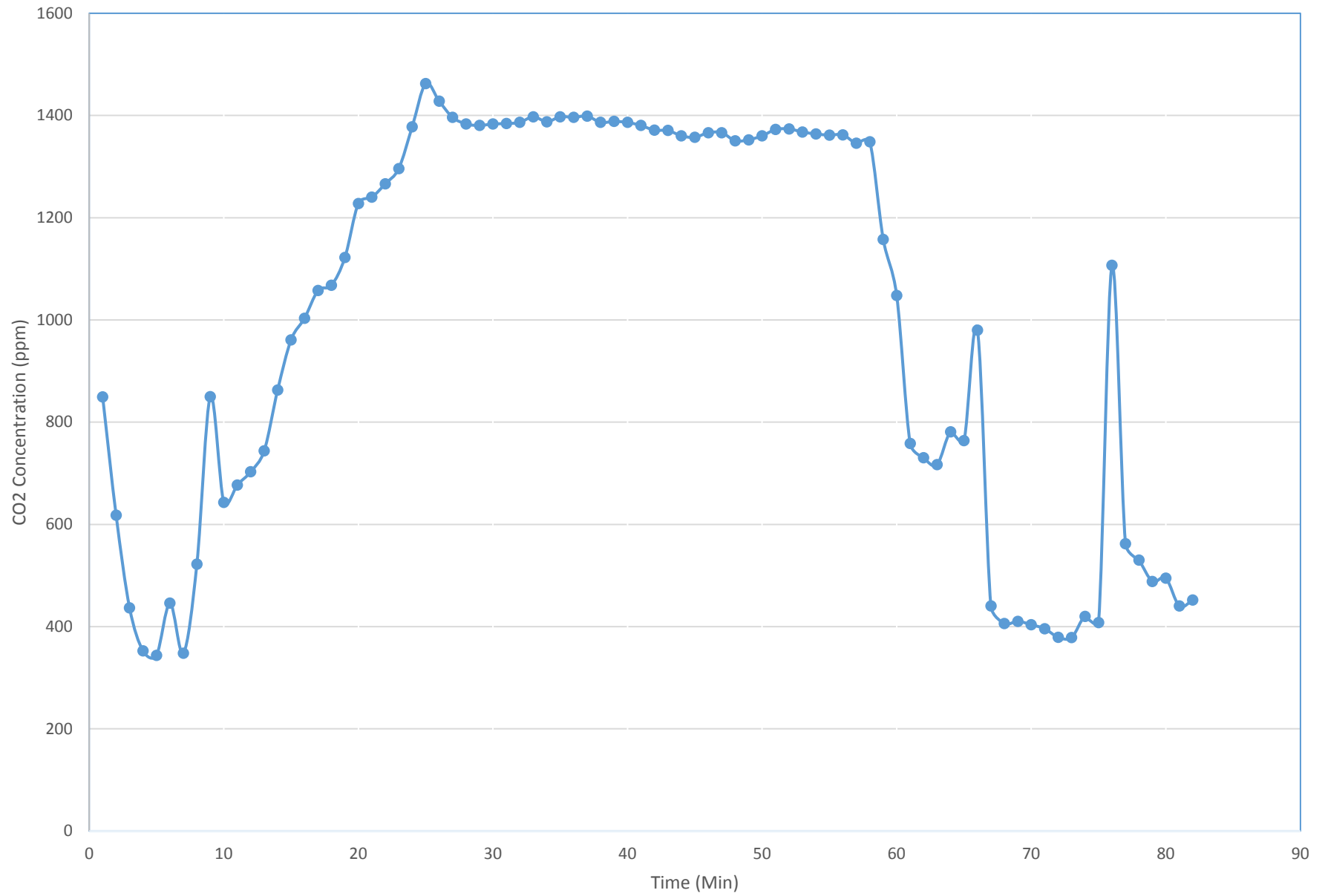


Actual CO2 Concentration



Bryce Scriven
ENGR 115
2:00pm-4:50pm
10/20/2016

Input Parameters
Coutdoor measured (ppm)
Coutdoor Assumed (ppm)
Correction factor (ppm)
Volume of Room (ft^3)
Room Capacity (people)

420

400

-20

1485

15

Analysis

Measurement	Date and Time	Hobo CO2 Concentration	Actual CO2 Concentration
1	10/20/2016 14:45	869.4	849.4
2	10/20/2016 14:46	638	618
3	10/20/2016 14:47	456.7	436.7
4	10/20/2016 14:48	372.4	352.4
5	10/20/2016 14:49	363.9	343.9
6	10/20/2016 14:50	465.8	445.8
7	10/20/2016 14:51	368.1	348.1
8	10/20/2016 14:52	542.1	522.1
9	10/20/2016 14:53	870	850
10	10/20/2016 14:54	663	643
11	10/20/2016 14:55	697.2	677.2
12	10/20/2016 14:56	722.8	702.8
13	10/20/2016 14:57	763.7	743.7
14	10/20/2016 14:58	882.8	862.8
15	10/20/2016 14:59	981.1	961.1
16	10/20/2016 15:00	1023.2	1003.2
17	10/20/2016 15:01	1077.5	1057.5
18	10/20/2016 15:02	1087.9	1067.9
19	10/20/2016 15:03	1142.2	1122.2
20	10/20/2016 15:04	1247.9	1227.9
21	10/20/2016 15:05	1260.1	1240.1
22	10/20/2016 15:06	1286.3	1266.3
23	10/20/2016 15:07	1316.2	1296.2
24	10/20/2016 15:08	1398	1378
25	10/20/2016 15:09	1482.3	1462.3
26	10/20/2016 15:10	1448.1	1428.1
27	10/20/2016 15:11	1416.4	1396.4
28	10/20/2016 15:12	1403.5	1383.5
29	10/20/2016 15:13	1400.5	1380.5
30	10/20/2016 15:14	1403.5	1383.5
31	10/20/2016 15:15	1404.2	1384.2
32	10/20/2016 15:16	1406.6	1386.6
33	10/20/2016 15:17	1417.6	1397.6
34	10/20/2016 15:18	1407.8	1387.8
35	10/20/2016 15:19	1417.6	1397.6
36	10/20/2016 15:20	1416.4	1396.4
37	10/20/2016 15:21	1418.8	1398.8
38	10/20/2016 15:22	1406.6	1386.6
39	10/20/2016 15:23	1408.4	1388.4
40	10/20/2016 15:24	1406.6	1386.6
41	10/20/2016 15:25	1400.5	1380.5

42	10/20/2016 15:26	1391.3	1371.3
43	10/20/2016 15:27	1390.7	1370.7
44	10/20/2016 15:28	1380.3	1360.3
45	10/20/2016 15:29	1377.3	1357.3
46	10/20/2016 15:30	1386.4	1366.4
47	10/20/2016 15:31	1386.4	1366.4
48	10/20/2016 15:32	1370.6	1350.6
49	10/20/2016 15:33	1372.4	1352.4
50	10/20/2016 15:34	1380.3	1360.3
51	10/20/2016 15:35	1392.6	1372.6
52	10/20/2016 15:36	1393.8	1373.8
53	10/20/2016 15:37	1387.7	1367.7
54	10/20/2016 15:38	1384	1364
55	10/20/2016 15:39	1381.6	1361.6
56	10/20/2016 15:40	1382.2	1362.2
57	10/20/2016 15:41	1365.7	1345.7
58	10/20/2016 15:42	1368.7	1348.7
59	10/20/2016 15:43	1177.7	1157.7
60	10/20/2016 15:44	1067.8	1047.8
61	10/20/2016 15:45	778.4	758.4
62	10/20/2016 15:46	750.3	730.3
63	10/20/2016 15:47	736.9	716.9
64	10/20/2016 15:48	801	781
65	10/20/2016 15:49	783.9	763.9
66	10/20/2016 15:50	1000	980
67	10/20/2016 15:51	460.3	440.3
68	10/20/2016 15:52	426.1	406.1
69	10/20/2016 15:53	430.4	410.4
70	10/20/2016 15:54	423.7	403.7
71	10/20/2016 15:55	415.8	395.8
72	10/20/2016 15:56	399.3	379.3
73	10/20/2016 15:57	398.7	378.7
74	10/20/2016 15:58	440.2	420.2
75	10/20/2016 15:59	428	408
76	10/20/2016 16:00	1127	1107
77	10/20/2016 16:01	582.4	562.4
78	10/20/2016 16:02	550.1	530.1
79	10/20/2016 16:03	508.5	488.5
80	10/20/2016 16:04	514.7	494.7
81	10/20/2016 16:05	460.3	440.3
82	10/20/2016 16:06	471.9	451.9