

Test ID:	ADEC
Date:	2/27/20

ISS-1										
Test Duration (h:mm:ss)	T <sub>i</sub>	V <sub>m</sub>	v <sub>i</sub>	T <sub>m</sub>	T <sub>g</sub>	V <sub>m</sub>	v <sub>i</sub>	T <sub>i</sub>	T <sub>m</sub>	PR
0:00:00										
0:10:00	10	0.028	19.06799	289.4	296.5111	0.028	19.43263	300.5742	289.4	96.79716
0:20:00	20	0.029	18.88465	289.5	294.6222	0.057	19.05971	302.4939	289.6778	98.12408
0:30:00	30	0.029	18.79675	289.7	295.2333	0.087	18.88207	301.5204	290.0944	99.10282
0:40:00	40	0.029	18.80441	290.0	294.9556	0.116	19.01077	300.9427	290.65	97.31476
0:50:00	50	0.029	18.81251	290.2	297.2889	0.145	19.14721	300.6522	291.2056	97.6779
1:00:00	60	0.031	18.81959	290.5	293.2889	0.176	19.13939	300.4068	291.6222	100.1523
1:10:00	70	0.031	18.82601	290.7	292.8167	0.207	19.12622	299.9937	291.9	99.92023
1:20:00	80	0.031	18.86269	290.8	293.2611	0.238	19.24789	299.2879	292.0389	98.92445
1:30:00	90	0.031	18.892	290.9	293.9833	0.269	19.37787	298.8826	292.0389	99.65691
1:40:00	100	0.030	18.94343	291.1	296.2889	0.299	19.5128	298.6672	292.3167	97.58061
1:50:00	110	0.030	18.98622	291.2	296.5944	0.330	19.65152	298.6015	292.5944	97.02756
2:00:00	120	0.031	19.02237	291.3	295.5667	0.361	19.66083	298.8843	292.5944	98.69901
2:10:00	130	0.030	19.05333	291.4	294.1778	0.391	19.67044	299.1767	292.5944	95.95535
2:20:00	140	0.031	19.08013	291.5	293.2889	0.422	19.67007	299.1655	292.5944	96.57812
2:30:00	150	0.031	19.1047	291.6	293.65	0.453	19.66343	298.9635	292.8722	97.15226
2:40:00	160	0.030	19.12637	291.7	293.65	0.483	19.65749	298.7829	293.15	94.64467
2:50:00	170	0.030	19.12997	291.8	293.4278	0.513	19.51233	298.6529	293.15	95.81583
3:00:00	180	0.031	19.13319	291.8	293.2056	0.544	19.36599	298.5162	293.15	98.69226
3:10:00	190	0.030	19.13609	291.9	293.3167	0.574	19.36149	298.3775	293.15	95.28839
3:20:00	200	0.030	19.13958	292.0	292.9833	0.604	19.35748	298.2539	291.4278	97.42013
3:30:00	210	0.032	19.14275	292.1	293.0667	0.636	19.35306	298.1177	293.7056	101.3026
3:40:00	220	0.032	19.1579	292.1	292.6222	0.668	19.49038	297.9813	293.7056	101.6484
3:50:00	230	0.034	19.17178	292.2	292.6778	0.702	19.62673	297.8486	293.7056	105.4089
4:00:00	240	0.035	19.18455	292.3	292.5111	0.737	19.6219	297.7019	293.7056	109.1872
4:10:00	250	0.035	19.19563	292.3	292.7889	0.771	19.61767	297.5736	293.4278	107.9974
4:20:00	260	0.031	19.19614	292.3	292.4	0.802	19.47328	297.4586	293.4278	97.00364
4:30:00	270	0.032	19.19661	292.4	292.3722	0.834	19.3277	297.3372	293.7056	99.39028
4:40:00	280	0.032	19.20676	292.4	292.3722	0.866	19.4656	297.2242	293.7056	98.7127
4:50:00	290	0.031	19.20685	292.5	292.3167	0.896	19.46236	297.1252	293.7056	96.54858
5:00:00	300	0.031	19.20693	292.5	292.3444	0.928	19.31759	297.0261	293.7056	98.62622
5:10:00	310	0.031	19.2158	292.6	292.3167	0.958	19.4564	296.9433	293.7056	95.815
5:20:00	320	0.030	19.22414	292.6	292.4833	0.988	19.59381	296.8502	293.7056	94.02809
5:30:00	330	0.030	19.23198	292.6	292.4278	1.019	19.59217	296.8006	293.7056	94.57897
5:40:00	340	0.030	19.23937	292.7	292.4	1.049	19.58974	296.727	293.7056	94.27316
5:50:00	350	0.030	19.24634	292.7	293.0944	1.078	19.58812	296.6779	293.7056	92.89655
6:00:00	360	0.029	19.26053	292.7	292.0944	1.108	19.72492	296.5989	293.7056	91.71082
6:10:00	370	0.033	19.26658	292.7	293.8167	1.140	19.72254	296.5275	293.7056	101.9268
6:20:00	380	0.032	19.28671	292.8	292.3722	1.173	19.86106	296.531	293.7056	99.82975
6:30:00	390	0.030	19.30581	292.8	292.3444	1.203	20.13358	296.4885	293.7056	93
6:40:00	400	0.029	19.31031	292.8	292.4556	1.232	19.85685	296.4052	293.7056	89.27203
6:50:00	410	0.029	19.32126	292.8	292.1222	1.261	19.71703	296.3617	293.7056	90.88638
7:00:00	420	0.027	19.3382	292.9	293.1778	1.288	19.99031	296.2878	293.7056	84.59716

ISS-2										
Test Duration (h:mm:ss)	T <sub>i</sub>	V <sub>m</sub>	v <sub>i</sub>	T <sub>m</sub>	T <sub>g</sub>	V <sub>m</sub>	v <sub>i</sub>	T <sub>i</sub>	T <sub>m</sub>	PR
0:00:00										
0:10:00	10	0.029195	19.06799	290.3722	295.8444	0.029195	19.43263	300.5742	290.3722	96.57952
0:20:00	20	0.029025	18.88465	290.65	296.5111	0.058219	19.05971	302.4939	290.65	96.83847
0:30:00	30	0.029874	18.79675	290.9278	294.6222	0.088094	18.88207	301.5204	290.9278	98.95912
0:40:00	40	0.030299	18.80441	291.2056	295.2333	0.118393	19.01077	300.9427	291.2056	99.33565
0:50:00	50	0.031715	18.81251	291.4833	294.9556	0.150108	19.14721	300.6522	291.4833	101.8272
1:00:00	60	0.031432	18.81959	291.7611	297.2889	0.181539	19.13939	300.4068	291.7611	101.0879
1:10:00	70	0.03214	18.82601	292.0389	293.2889	0.213679	19.12622	299.9937	292.0389	101.3187
1:20:00	80	0.031715	18.86269	292.0389	292.8167	0.245394	19.24789	299.2879	292.0389	99.13257
1:30:00	90	0.031856	18.892	292.3167	293.2611	0.27725	19.37787	298.8826	292.3167	98.92218
1:40:00	100	0.031856	18.94343	292.5944	293.9833	0.309107	19.5128	298.6672	292.5944	98.48343
1:50:00	110	0.032564	18.98622	292.5944	296.2889	0.341671	19.65152	298.6015	292.5944	100.5062
2:00:00	120	0.032848	19.02237	292.5944	296.5944	0.374519	19.66083	298.8843	292.5944	101.0494
2:10:00	130	0.032989	19.05333	292.8722	295.5667	0.407508	19.67044	299.1767	292.8722	100.7077
2:20:00	140	0.032989	19.08013	293.15	294.1778	0.440497	19.67007	299.1655	293.15	100.0069
2:30:00	150	0.032564	19.1047	293.15	293.2889	0.473061	19.66343	298.9635	293.15	98.41814
2:40:00	160	0.035538	19.12637	293.4278	293.65	0.508599	19.65749	298.7829	293.4278	106.9084
2:50:00	170	0.035396	19.12997	293.7056	293.65	0.543995	19.51233	298.6529	293.7056	106.6295
3:00:00	180	0.035254	19.13319	293.7056	293.4278	0.579249	19.36599	298.5162	293.7056	106.3904
3:10:00	190	0.034405	19.13609	293.7056	293.2056	0.613654	19.36149	298.3775	293.7056	103.4598
3:20:00	200	0.033839	19.13958	293.7056	293.3167	0.647493	19.35748	298.2539	293.7056	101.6347
3:30:00	210	0.03483	19.14275	293.7056	292.9833	0.682323	19.35306	298.1177	293.7056	104.2052
3:40:00	220	0.033839	19.1579	293.7056	293.0667	0.716161	19.49038	297.9813	293.7056	100.4915
3:50:00	230	0.034547	19.17178	293.7056	292.6222	0.750708	19.62673	297.8486	293.7056	101.5752
4:00:00	240	0.034348	19.18455	293.7056	292.6778	0.785056	19.6219	297.7019	293.7056	100.9334
4:10:00	250	0.032904	19.19563	293.7056	292.5111	0.81796	19.61767	297.5736	293.7056	96.7301
4:20:00	260	0.032989	19.19614	293.7056	292.7889	0.85095	19.47328	297.4586	293.7056	97.80097
4:30:00	270	0.031998	19.19661	293.7056	292.4	0.882948	19.3277	297.3372	293.7056	95.57068
4:40:00	280	0.035113	19.20676	293.7056	292.3722	0.91806	19.4656	297.2242	293.7056	103.9421
4:50:00	290	0.034688	19.20685	293.7056	292.3722	0.952749	19.46236	297.1252	293.7056	102.5316
5:00:00	300	0.034263	19.20693	293.7056	292.3167	0.987012	19.31759	297.0261	293.7056	101.9044
5:10:00	310	0.03483	19.2158	293.7056	292.3444	1.021842	19.4564	296.9433	293.7056	102.7414
5:20:00	320	0.034122	19.22414	293.7056	292.3167	1.055964	19.59381	296.8502	293.7056	99.9027
5:30:00	330	0.034688	19.23198	293.7056	292.4833	1.090652	19.59217	296.8006	293.7056	101.5282
5:40:00	340	0.034547	19.23937	293.7056	292.4278	1.125198	19.58974	296.727	293.7056	101.0365
5:50:00	350	0.033839	19.24634	293.7056	292.4	1.159037	19.58812	296.6779	293.7056	98.95353
6:00:00	360	0.035396	19.26053	293.7056	293.0944	1.194433	19.72492	296.5989	293.7056	102.9406
6:10:00	370	0.034122	19.26658	293.7056	292.0944	1.228555	19.72254	296.5275	293.7056	98.88704
6:20:00	380	0.033131	19.28671	293.7056	293.8167	1.261685	19.86106	296.531	293.7056	96.01193
6:30:00	390	0.03483	19.30581	293.7056	292.3722	1.296515	20.13358	296.4885	293.7056	99.06779
6:40:00	400	0.033839	19.31031	293.7056	292.3444	1.330354	19.85685	296.4052	293.7056	97.58735
6:50:00	410	0.034263	19.32126	293.7056	292.4556	1.364617	19.71703	296.3617	293.7056	99.54861
7:00:00	420	0.033414	19.3382	293.7056	292.1222	1.398031	19.99031	296.2878	293.7056	95.74296

T <sub>i</sub>	total sampling time	min
V <sub>m<i>i</i></sub>	volume of dry gas sample as measured by dry gas meter during each 10 minute interval, <i>i</i> , of the test run	dry m <sup>3</sup>
v <sub>i</sub>	average gas velocity in the dilution tunnel (gas molecular weight may be assumed to be 29g/gmol)	m/s
T <sub>m</sub>	absolute average dry gas meter temperature	K
T <sub>g<i>i</i></sub>	absolute average gas temperature in the dilution tunnel during each 10 min interval, <i>i</i> , of test run	K
V <sub>m</sub>	volume of gas sample as measured by dry gas meter	dry m <sup>3</sup>
v <sub>i</sub>	average gas velocity in the dilution tunnel during each 10 min interval, <i>i</i> , of the test run	m/s
T <sub>i</sub>	absolute average gas temperature in the dilution tunnel	K
T <sub>m<i>i</i></sub>	absolute average dry gas meter temperature during each 10 min interval, <i>i</i> , of the test run	K
PR	proportional rate variation for each 10 minute interval	%

7:10:00	430	0.029	19.34165	292.9	292.3722	1.317	19.85297	296.2894	293.7056	91.70151
7:20:00	440	0.031	19.35738	292.9	292.5389	1.349	19.85118	296.236	293.7056	98.02428
7:30:00	450	0.030	19.37848	292.9	292.2889	1.379	20.25957	296.2079	293.7056	92.21542
7:40:00	460	0.027	19.39273	292.9	293.0389	1.406	20.25798	296.1614	293.7056	84.88041
7:50:00	470	0.027	19.41799	292.9	294.3444	1.433	20.39203	296.1454	293.7056	84.14157
8:00:00	480	0.027	19.42477	292.9	295.15	1.461	20.25784	296.1573	293.4278	86.10271
8:10:00	490	0.028	19.4257	293.0	295.1222	1.489	19.71229	296.2192	293.15	90.07098
8:20:00	500	0.029	19.43206	293.0	295.2611	1.517	19.71403	296.2716	293.15	92.51608
8:30:00	510	0.030	19.43817	293.0	295.4278	1.547	19.85465	296.3395	293.15	95.15358
8:40:00	520	0.028	19.43879	293.0	295.3722	1.575	19.71823	296.3978	293.15	91.77214
8:50:00	530	0.029	19.43974	293.0	294.6222	1.604	19.58122	296.4688	293.4278	94.90808
9:00:00	540	0.028	19.44571	293.0	294.0667	1.633	19.72199	296.5111	293.7056	91.3556
9:10:00	550	0.032	19.45146	293.0	293.7889	1.664	19.86103	296.5301	293.7056	101.4438
9:20:00	560	0.031	19.4619	293.0	293.65	1.695	19.99873	296.5374	293.7056	97.13684
9:30:00	570	0.031	19.46717	293.0	294.5389	1.726	19.99857	296.5327	293.7056	98.33203
9:40:00	580	0.028	19.47227	293.0	293.15	1.754	19.86087	296.5253	293.7056	90.5406
9:50:00	590	0.029	19.4772	293.0	292.9278	1.783	19.86036	296.5099	293.7056	91.49476
10:00:00	600	0.030	19.48196	293.1	292.8722	1.813	19.85947	296.4834	293.7056	96.05654
10:10:00	610	0.030	19.48657	293.1	292.5667	1.843	19.85857	296.4564	293.7056	96.89673
10:20:00	620	0.029	19.49103	293.1	292.5389	1.873	19.85737	296.4206	293.7056	94.25144
10:30:00	630	0.032	19.49955	293.1	292.4833	1.904	19.99356	296.384	293.5667	100.3744
10:40:00	640	0.029	19.50353	293.1	292.4	1.933	19.99243	296.3506	293.4278	92.82707
10:50:00	650	0.031	19.51145	293.1	292.4278	1.964	19.99104	296.3095	293.2889	97.43017
11:00:00	660	0.030	19.51913	293.1	292.1778	1.994	20.12626	296.2731	293.15	95.44736
11:10:00	670	0.031	19.52659	293.1	290.9278	2.025	20.12474	296.2282	293.15	96.85861
11:20:00	680	0.013	#VALUE!	Error	290.9278	2.038	20.12431	296.2154	Error	#VALUE!
11:30:00	690	Error	#VALUE!	Error	290.9278	Error	#DIV/0!	296.2154	Error	#VALUE!
11:40:00	700	Error	#VALUE!	Error	290.9278	Error	#DIV/0!	296.2154	Error	#VALUE!
11:50:00	710	Error	#VALUE!	Error	290.9278	Error	#DIV/0!	296.2154	Error	#VALUE!
12:00:00	720	Error	#VALUE!	Error	0	Error	#DIV/0!	296.2154	Error	#VALUE!

7:10:00	430	0.033555	19.34165	293.7056	293.1778	1.431586	19.85297	296.2894	293.7056	97.16214
7:20:00	440	0.031856	19.35738	293.7056	292.3722	1.463443	19.85118	296.236	293.7056	92.17913
7:30:00	450	0.032281	19.37848	293.7056	292.5389	1.495724	20.25957	296.2079	293.7056	91.74602
7:40:00	460	0.034688	19.39273	293.7056	292.2889	1.530412	20.25798	296.1614	293.7056	98.50474
7:50:00	470	0.034971	19.41799	293.7056	293.0389	1.565384	20.39203	296.1454	293.7056	98.93569
8:00:00	480	0.032564	19.42477	293.7056	294.3444	1.597948	20.25784	296.1573	293.7056	93.22181
8:10:00	490	0.03483	19.4257	293.7056	295.15	1.632778	19.71229	296.2192	293.7056	102.6333
8:20:00	500	0.034547	19.43206	293.7056	295.1222	1.667324	19.71403	296.2716	293.7056	101.7209
8:30:00	510	0.032706	19.43817	293.7056	295.2611	1.70003	19.85465	296.3395	293.7056	95.70843
8:40:00	520	0.03398	19.43879	293.7056	295.4278	1.73401	19.71823	296.3978	293.7056	100.128
8:50:00	530	0.033697	19.43974	293.7056	295.3722	1.767707	19.58122	296.4688	293.7056	99.93063
9:00:00	540	0.037945	19.44571	293.7056	294.6222	1.805652	19.72199	296.5111	293.7056	111.1749
9:10:00	550	0.032848	19.45146	293.7056	294.0667	1.8385	19.86103	296.5301	293.7056	95.43979
9:20:00	560	0.031007	19.4619	293.7056	293.7889	1.869507	19.99873	296.5374	293.7056	89.54859
9:30:00	570	0.034405	19.46717	293.7056	293.65	1.903911	19.99857	296.5327	293.7056	99.2912
9:40:00	580	0.034122	19.47227	293.7056	294.5389	1.938033	19.86087	296.5253	293.7056	99.4484
9:50:00	590	0.035254	19.4772	293.7056	293.15	1.973288	19.86036	296.5099	293.7056	102.2035
10:00:00	600	0.032564	19.48196	293.7056	292.9278	2.005852	19.85947	296.4834	293.7056	94.41047
10:10:00	610	0.032564	19.48657	293.7056	292.8722	2.038417	19.85857	296.4564	293.7056	94.46795
10:20:00	620	0.033555	19.49103	293.7056	292.5667	2.071972	19.85737	296.4206	293.7056	97.27485
10:30:00	630	0.035113	19.49955	293.7056	292.5389	2.107085	19.99356	296.384	293.7056	101.0621
10:40:00	640	0.030865	19.50353	293.7056	292.4833	2.13795	19.99243	296.3506	293.7056	88.96038
10:50:00	650	0.034971	19.51145	293.4278	292.4	2.172922	19.99104	296.3095	293.4278	100.7551
11:00:00	660	0.034971	19.51913	293.15	292.4278	2.207893	20.12626	296.2731	293.15	100.0695
11:10:00	670	0.034971	19.52659	293.15	292.1778	2.242864	20.12474	296.2282	293.15	99.97709
11:20:00	680	0.01379	#VALUE!	Error	290.9278	2.256654	20.12431	296.2154	Error	#VALUE!
11:30:00	690	Error	#VALUE!	Error	290.9278	Error	#DIV/0!	296.2154	Error	#VALUE!
11:40:00	700	Error	#VALUE!	Error	290.9278	Error	#DIV/0!	296.2154	Error	#VALUE!
11:50:00	710	Error	#VALUE!	Error	290.9278	Error	#DIV/0!	296.2154	Error	#VALUE!
12:00:00	720	Error	#VALUE!	Error	290.9278	Error	#DIV/0!	296.2154	Error	#VALUE!