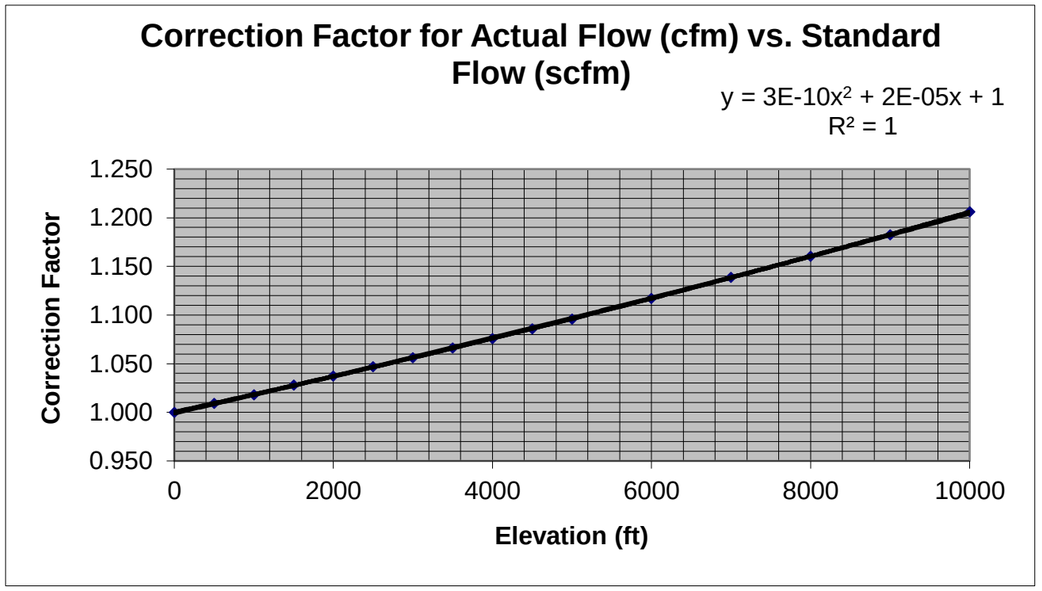
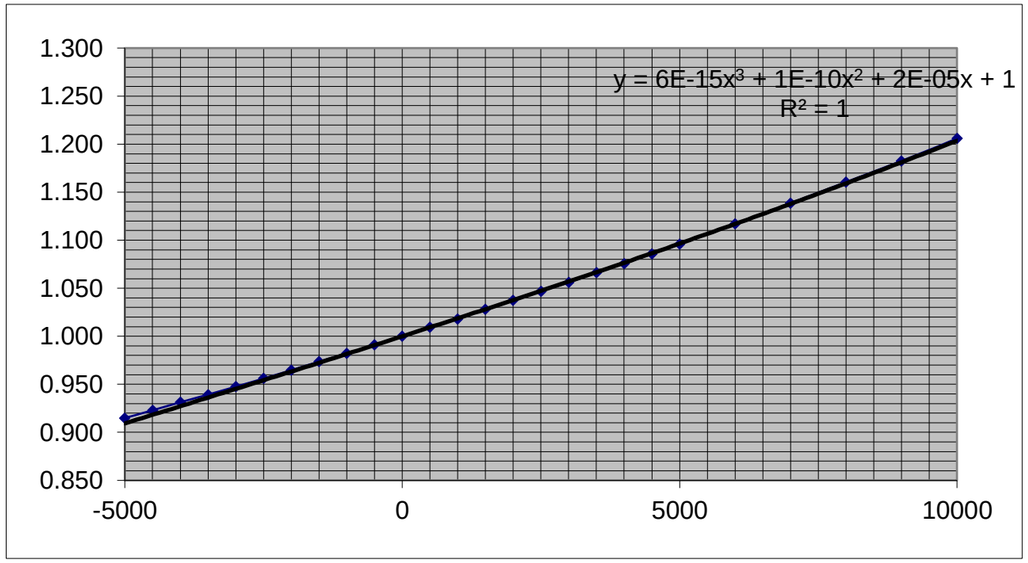
REDACTED VERSION

Sample Number	Filter Size	Start Date/Time	Stop Date/Time	Sample Time (min)	Start Flow Rate (scfm)	Stop Flow Rate (scfm)	Average Flow Rate (scfm)	Total Flow (scfm)	Split Correction Factor	Elevation Correction Factor	Actual Corrected Flow (cubic feet)	Actual Corrected Flow (cubic meters)	Comments
RAP0630111A	4 inch diameter	6/29/2011 12:20	6/30/2011 9:00	1240	24	19.9	21.95	27218	0.5	1.16	15786	447.1	
RAP0630111B	4 inch diameter	6/29/2011 12:20	6/30/2011 9:00	1240	24	19.9	21.95	27218	0.5	1.16	15786	447.1	
RAP0630112A	4 inch diameter	6/29/2011 11:45	6/30/2011 8:40	1255	25.5	20.3	22.9	28739	0.5	1.15	16525	468.0	
RAP0630112B	4 inch diameter	6/29/2011 11:45	6/30/2011 8:40	1255	25.5	20.3	22.9	28739	0.5	1.15	16525	468.0	
RAP0630113A	4 inch diameter	6/29/2011 13:50	6/30/2011 9:45	1195	26.3	15.5	20.9	24975	0.5	1.13	14111	399.6	
RAP0630113B	4 inch diameter	6/29/2011 13:50	6/30/2011 9:45	1195	26.3	15.5	20.9	24975	0.5	1.13	14111	399.6	
RAP0630114A	4 inch diameter	6/29/2011 14:20	6/30/2011 10:05	1185	24.8	14.4	19.6	23226	0.5	1.13	13123	371.6	
RAP0630114B	4 inch diameter	6/29/2011 14:20	6/30/2011 10:05	1185	24.8	14.4	19.6	23226	0.5	1.13	13123	371.6	
RAP0630115A	8x10	6/29/2011 15:20	6/30/2011 9:50	1110	25	25	25	27750	0.5	1.14	15817	448.0	
RAP0630115B	8x10	6/29/2011 15:20	6/30/2011 9:50	1110	25	25	25	27750	0.5	1.14	15817	448.0	
RAP0630116A	8x10	6/29/2011 15:32	6/30/2011 8:15	1003	55	60	57.5	57673	0.5	1.17	33738	955.5	
RAP0630116B	8x10	6/29/2011 15:32	6/30/2011 8:15	1003	55	60	57.5	57673	0.5	1.17	33738	955.5	
RAP0630117A	8x10	6/29/2011 16:45	6/30/2011 9:05	980	55	45	50	49000	0.5	1.14	27930	791.0	
RAP0630117B	8x10	6/29/2011 16:45	6/30/2011 9:05	980	55	45	50	49000	0.5	1.14	27930	791.0	
RAP06301191A	8x10	6/29/2011 21:00	6/30/2011 5:00	480	45	45	45	21600	0.5	1.14	12312	348.7	
RAP06301191B	8x10	6/29/2011 21:00	6/30/2011 5:00	480	45	45	45	21600	0.5	1.14	12312	348.7	
RAP06301192A	8x10	6/30/2011 5:00	6/30/2011 13:00	480	35	35	35	16800	0.5	1.14	9576	271.2	
RAP06301192B	8x10	6/30/2011 5:00	6/30/2011 13:00	480	35	35	35	16800	0.5	1.14	9576	271.2	
RAP06301193A	8x10	6/30/2011 13:00	6/30/2011 21:00	480	45	42	43.5	20880	0.5	1.14	11902	337.1	
RAP06301193B	8x10	6/30/2011 13:00	6/30/2011 21:00	480	45	42	43.5	20880	0.5	1.14	11902	337.1	
RAP0701111A	4 inch diameter	6/30/2011 9:05	7/1/2011 9:07	1442	24	19.9	21.95	31652	0.5	1.16	18358	519.9	
RAP0701111B	4 inch diameter	6/30/2011 9:05	7/1/2011 9:07	1442	24	19.9	21.95	31652	0.5	1.16	18358	519.9	
RAP0701112A	4 inch diameter	6/30/2011 8:40	7/1/2011 8:36	1436	25.5	15.4	20.45	29366	0.5	1.15	16886	478.2	
RAP0701112B	4 inch diameter	6/30/2011 8:40	7/1/2011 8:36	1436	25.5	15.4	20.45	29366	0.5	1.15	16886	478.2	
RAP0701113A	4 inch diameter	6/30/2011 9:50	7/1/2011 10:06	1456	26.4	15.5	20.95	30503	0.5	1.13	17234	488.1	
RAP0701113A*	4 inch diameter	6/30/2011 9:50	7/1/2011 10:06	1456	26.4	15.5	20.95	30503	0.5	1.13	17234	488.1	
RAP0701114A	4 inch diameter	6/30/2011 10:07	7/1/2011 10:24	1457	24.8	14.4	19.6	28557	0.5	1.13	16135	456.9	
RAP0701114B	4 inch diameter	6/30/2011 10:07	7/1/2011 10:24	1457	24.8	14.4	19.6	28557	0.5	1.13	16135	456.9	
RAP0701115A	8x10	6/30/2011 10:05	7/1/2011 9:45	1420	25	26	25.5	36210	0.5	1.14	20640	584.5	
RAP0701115B	8x10	6/30/2011 10:05	7/1/2011 9:45	1420	25	26	25.5	36210	0.5	1.14	20640	584.5	
RAP0701116A	8x10	6/30/2011 8:25	7/1/2011 8:45	1460	45	42	43.5	63510	0.5	1.17	37153	1052.2	
RAP0701116B	8x10	6/30/2011 8:25	7/1/2011 8:45	1460	45	42	43.5	63510	0.5	1.17	37153	1052.2	
RAP0701117A	8x10	6/30/2011 9:12	7/1/2011 9:25	1453	45	45	45	65385	0.5	1.14	37269	1055.5	
RAP0701117B	8x10	6/30/2011 9:12	7/1/2011 9:25	1453	45	45	45	65385	0.5	1.14	37269	1055.5	
RAP0701118A	8x10	6/29/2011 21:00	7/1/2011 8:30	2130	50	50	50	106500	0.5	1.14	60705	1719.2	
RAP0701118B	8x10	6/29/2011 21:00	7/1/2011 8:30	2130	50	50	50	106500	0.5	1.14	60705	1719.2	
RAP0701119A	8x10	6/30/2011 21:00	7/1/2011 8:30	690	42	42	42	28980	0.5	1.14	16519	467.8	
RAP0701119B	8x10	6/30/2011 21:00	7/1/2011 8:30	690	42	42	42	28980	0.5	1.14	16519	467.8	
RAP0702111A	4 inch diameter	7/1/2011 9:11	7/2/2011 9:01	1430	15.1	10	12.55	17946	0.5	1.16	10409	294.8	On Samples pulled 7/2/11 and 7/5/11, different filters were used (Staplex TFAGF41) resulting in lower flow rates
RAP0702111B	4 inch diameter	7/1/2011 9:11	7/2/2011 9:01	1430	15.1	10	12.55	17946	0.5	1.16	10409	294.8	On Samples pulled 7/2/11 and 7/5/11, different filters were used (Staplex TFAGF41) resulting in lower flow rates
RAP0702112A	4 inch diameter	7/1/2011 8:43	7/2/2011 8:26	1423	15.4	10	12.7	18072	0.5	1.15	10391	294.3	On Samples pulled 7/2/11 and 7/5/11, different filters were used (Staplex TFAGF41) resulting in lower flow rates
RAP0702112B	4 inch diameter	7/1/2011 8:43	7/2/2011 8:26	1423	15.4	10	12.7	18072	0.5	1.15	10391	294.3	On Samples pulled 7/2/11 and 7/5/11, different filters were used (Staplex TFAGF41) resulting in lower flow rates
RAP0702113A	4 inch diameter	7/1/2011 10:09	7/2/2011 7:45	1296	15.5	0	7.75	10044	0.5	1.13	5675	160.7	On Samples pulled 7/2/11 and 7/5/11, different filters were used (Staplex TFAGF41) resulting in lower flow rates
RAP0702113B	4 inch diameter	7/1/2011 10:09	7/2/2011 7:45	1296	15.5	0	7.75	10044	0.5	1.13	5675	160.7	On Samples pulled 7/2/11 and 7/5/11, different filters were used (Staplex TFAGF41) resulting in lower flow rates
RAP0702114A	4 inch diameter	7/1/2011 10:27	7/2/2011 8:15	1308	14.4	10	12.2	15958	0.5	1.13	9016	255.3	On Samples pulled 7/2/11 and 7/5/11, different filters were used (Staplex TFAGF41) resulting in lower flow rates
RAP0702114B	4 inch diameter	7/1/2011 10:27	7/2/2011 8:15	1308	14.4	10	12.2	15958	0.5	1.13	9016	255.3	On Samples pulled 7/2/11 and 7/5/11, different filters were used (Staplex TFAGF41) resulting in lower flow rates
RAP0702115A	8x10	7/1/2011 9:55	7/2/2011 8:45	1370	25	25	25	34250	0.5	1.14	19523	552.9	
RAP0702115B	8x10	7/1/2011 9:55	7/2/2011 8:45	1370	25	25	25	34250	0.5	1.14	19523	552.9	
RAP0702116A	8x10	7/1/2011 8:50	7/2/2011 10:05	1515	55	55	55	83325	0.5	1.17	48745	1380.5	
RAP0702116B	8x10	7/1/2011 8:50	7/2/2011 10:05	1515	55	55	55	83325	0.5	1.17	48745	1380.5	
RAP0702117A	8x10	7/1/2011 9:30	7/2/2011 10:45	1515	45	40	42.5	64387	0.5	1.14	36701	1039.4	
RAP0702117B	8x10	7/1/2011 9:30	7/2/2011 10:45	1515	45	40	42.5	64387	0.5	1.14	36701	1039.4	

ORG	Location ID	Location Description	Street Address	City	LAT	LON	Elevation (ft)	FILTER SIZE	FILTER TYPE	SAMPLER TYPE	Sampler Make/Model	Sampler S/N	Sampler Cal Date	Approx. DURATION	Lab Split Correction Factor	Air Flow Correction Factor (scfm to cfm at sample locations)	Comments
RAP	1	Holy Cross Hospital	1397 Weimer Blvd.	Taos, NM	36.36837	-105.5773	7096	4-inch diameter circle	Hi-Q FP2063-102	Hi-Vol	Hi-Q CF-973T	950-30-0312	6/17/2011	24-hour	0.5	1.16	On Samples pulled 7/2/11 and 7/5/11, different filters were used (Staplex TFAGF41) resulting in lower flow rates
RAP	2	Fire Station #2	123 Santiago Rd.	Taos, NM	36.3828	-105.5847	6994	4-inch diameter circle	Hi-Q FP2063-102	Hi-Vol	Hi-Q CF-973T	950-40-0027	4/14/2011	24-hour	0.5	1.15	On Samples pulled 7/2/11 and 7/5/11, different filters were used (Staplex TFAGF41) resulting in lower flow rates
RAP	3	Embudo Clinic	Hwy 68, #2243 Rinconada	Embudo, NM	36.21628	-105.8794	5929	4-inch diameter circle	Hi-Q FP2063-102	Hi-Vol	Hi-Q CF-973T	950-30-0310	6/11/2011	24-hour	0.5	1.13	On Samples pulled 7/2/11 and 7/5/11, different filters were used (Staplex TFAGF41) resulting in lower flow rates
RAP	4	Embudo Valley Library		Dixon, NM	36.19637	-105.8869	6091	4-inch diameter circle	Hi-Q FP2063-102	Hi-Vol	Hi-Q CF-973T	950-30-0316	6/11/2011	24-hour	0.5	1.13	On Samples pulled 7/2/11 and 7/5/11, different filters were used (Staplex TFAGF41) resulting in lower flow rates
RAP	4	Embudo Valley Library		Dixon, NM	36.19637	-105.8869	6091	4-inch diameter circle	Staplex TFAGF810	Hi-Vol	Staplex TFIA	23070R	7/6/2010	24-hour	0.5	1.13	Malfunction on original air sampler. Replaced with this sampler on 7/2/11
RAP	5	New Mexico Environment Dept.	2538 Ridge Runner Dr.	Las Vegas, NM	35.6208	-105.2318	6594	8x10	Hi-Q A-E810	Hi-Vol	Hi-Q CF-1003 BRL	7540		24-hour	0.5	1.14	
RAP	6	El Valle Residence	(b) (6)	El Valle, NM	36.11374	-105.7318	7790	8x10	Staplex TFAGF810	Hi-Vol	Staplex TFIA	23069R	7/6/2010	24-hour	0.5	1.17	
RAP	7	Chimayo Residence		Chimayo, NM	35.99884	-105.9331	6189	8x10	Staplex TFAGF810	Hi-Vol	Staplex TFIA	23068R	7/6/2010	24-hour	0.5	1.14	
RAP	8	Hondo School (Incident Command Post)		Hondo, NM	33.37877	-105.2575	6486	8x10	Staplex TFAGF810	Hi-Vol	Staplex TFIA	23566R	4/19/2011	32-hour	0.5	1.14	
RAP	9	Hondo School (Incident Command Post)		Hondo, NM	33.37877	-105.2575	6486	8x10	Staplex TFAGF810	Hi-Vol	Staplex TFIA	23565R	12/22/2010	8-hour	0.5	1.14	

Equation for correction factor (y = actual/standard flow) vs. elevation in feet (x)
$= 3E\text{-}10X^2 + 2E\text{-}05x + 1$
for elevations greater than 0

Loc	OLD	Old Air Flow Correction Factor (scfm to cfm at sample locations)	Note - these were the old correction factors in Rev A but we had the correction inverted.
1		0.88	
2		0.88	
3		0.9	
4		0.9	
4		0.9	
5		0.89	
6		0.87	
7		0.9	
8		0.89	
9		0.89	

Altitude Above Sea Level		Absolute Barometer		Absolute Atmospheric Pressure			Elevation	Correction Factor for actual flow at elevation vs. standard pressure (sea level)
feet	meters	inches Hg	mm Hg	psia	kg/cm^2	kPa	(ft)	CF = (P_{std}/P_{sample})^.5
-5000	-1524	35.7	914	17.5	1.23	121	-5000	0.915
-4500	-1372	35.1	898	17.2	1.21	119	-4500	0.923
-4000	-1219	34.5	882	16.9	1.19	117	-4000	0.931
-3500	-1067	33.9	867	16.6	1.17	115	-3500	0.939
-3000	-914	33.3	852	16.4	1.15	113	-3000	0.948
-2500	-762	32.7	837	16.1	1.13	111	-2500	0.956
-2000	-610	32.1	822	15.8	1.11	109	-2000	0.965
-1500	-457	31.6	807	15.5	1.09	107	-1500	0.974
-1000	-305	31	793	15.2	1.07	105	-1000	0.982
-500	-152	30.5	779	15	1.05	103	-500	0.991
0[1)]	0	29.9	765	14.7	1.03	101	0	1.000
500	152	29.4	751	14.4	1.01	99.5	500	1.009
1000	305	28.9	738	14.2	0.997	97.7	1000	1.018
1500	457	28.3	724	13.9	0.979	96	1500	1.028
2000	610	27.8	711	13.7	0.961	94.2	2000	1.037
2500	762	27.3	698	13.4	0.943	92.5	2500	1.047
3000	914	26.8	686	13.2	0.926	90.8	3000	1.056
3500	1067	26.3	673	12.9	0.909	89.1	3500	1.066
4000	1219	25.8	661	12.7	0.893	87.5	4000	1.076
4500	1372	25.4	649	12.5	0.876	85.9	4500	1.086
5000	1524	24.9	637	12.2	0.86	84.3	5000	1.096
6000	1829	24	613	11.8	0.828	81.2	6000	1.117
7000	2134	23.1	590	11.3	0.797	78.2	7000	1.139
8000	2438	22.2	568	10.9	0.768	75.3	8000	1.161
9000	2743	21.4	547	10.5	0.739	72.4	9000	1.183
10000	3048	20.6	526	10.1	0.711	69.7	10000	1.206
15000	4572	16.9	432	8.29	0.583	57.2	15000	1.331
20000	6096	13.8	352	6.75	0.475	46.6	20000	1.474
25000	7620	11.1	284	5.45	0.384	37.6	25000	1.641
30000	9144	8.89	227	4.36	0.307	30.1	30000	1.836
35000	10668	7.04	180	3.46	0.243	23.8	35000	2.062
40000	12192	5.52	141	2.71	0.191	18.7	40000	2.329
45000	13716	4.28	109	2.1	0.148	14.5	45000	2.649
50000	15240	3.27	83.6	1.61	0.113	11.1	50000	3.025