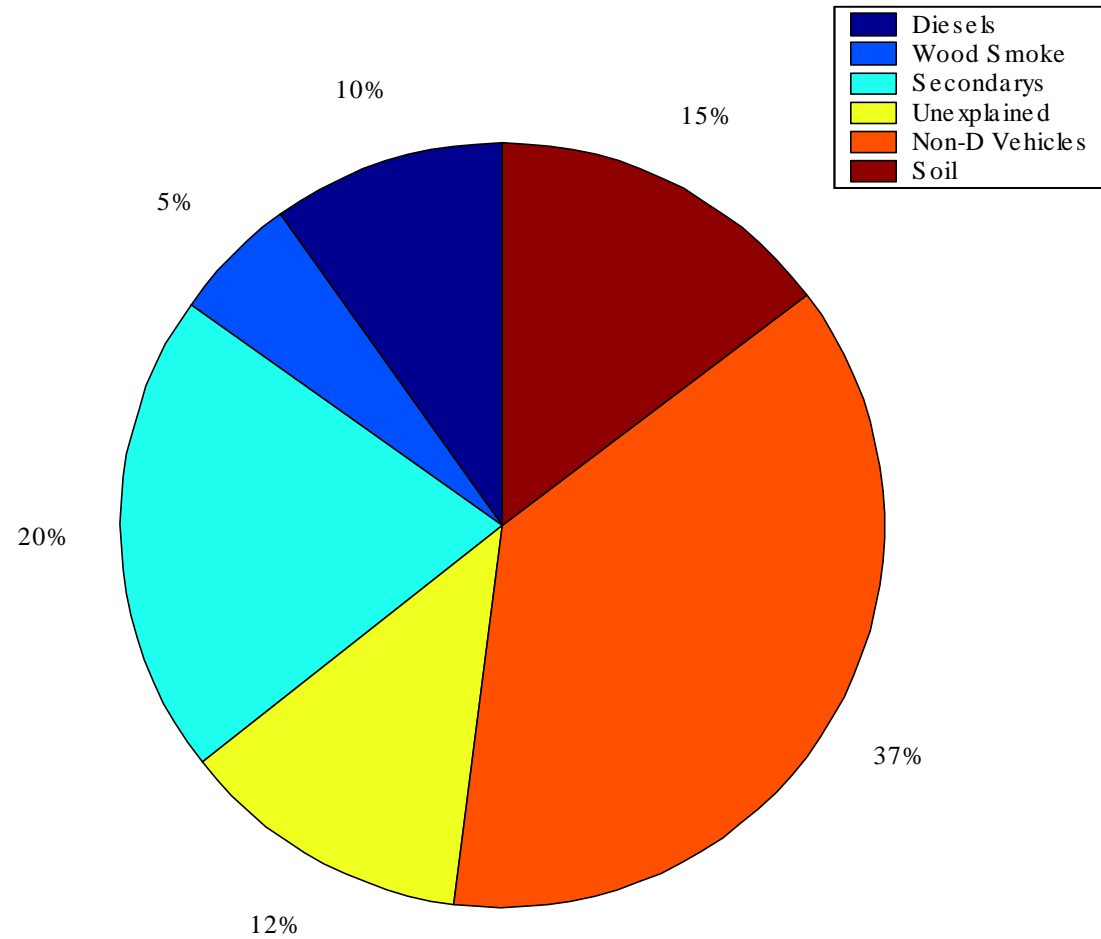


Phoenix Results

Phoenix Source Compositions

	Diesels	Veg. Burn	Secondary	Unexplained	Vehicles	Soil
PM_FINE	1241	662	2563	1550	4678	1847
AL	0.00057	0.00251	0.00495	0.01139	-0.00089	0.05502
SI	0.01706	0.00637	0.01265	0.03654	-0.00247	0.13751
S	-0.01139	0.00324	0.12599	0.04742	0.00094	0.02573
K	0.00544	0.06400	0.00206	0.00968	0.00112	0.02050
CA	0.01191	-0.00151	0.00392	0.01295	0.00127	0.04749
NON-SOIL K	0.00316	0.06315	0.00037	0.00481	0.00145	0.00217
MN	0.00323	-0.00010	0.00015	0.00033	0.00004	0.00074
FE	0.03832	-0.00460	0.00282	0.01294	0.00871	0.04105
BR	0.00001	0.00031	0.00018	0.00157	0.00016	0.00008
OC	0.27732	0.56208	0.33589	0.48133	0.49149	0.16927
EC	0.30102	0.07751	0.02509	0.05026	0.17192	0.01986

Phoenix Source Apportionment



Source Contributions

	Weekend	Weekday
Diesel	424	1561
Veg. Burning	949	550
Secondarys	2329	1502
Unexplained	1502	1568
Vehicles (non-Diesel)	4997	4553
Soil	1709	1900

Source Composition Errors

	Diesels	Veg. Burn.	Secondarys	Unexplained	Vehicles	Soil
PM_FINE	301	246	248	346	473	280
AL	0.0033	0.0076	0.0008	0.0022	0.0009	0.0087
SI	0.0078	0.0172	0.0021	0.0064	0.0022	0.0212
S	0.0198	0.0184	0.0067	0.0087	0.0027	0.0055
K	0.0022	0.1064	0.0004	0.0016	0.0005	0.0029
CA	0.0035	0.0114	0.0008	0.0023	0.0009	0.0070
NON-SOIL K	0.0016	0.1069	0.0003	0.0009	0.0004	0.0007
MN	0.0010	0.0004	0.0000	0.0001	0.0000	0.0001
FE	0.0104	0.0266	0.0010	0.0019	0.0007	0.0054
BR	0.0002	0.0003	0.0000	0.0003	0.0000	0.0001
OC	0.0634	0.2768	0.0121	0.0298	0.0160	0.0441
EC	0.0719	0.1304	0.0083	0.0161	0.0079	0.0202

Signal to Noise for Normalized Source Composition

	Diesels	Veg. Burn.	Secondary	Unexplained	Vehicles	Soil
PM_Fine	4.7	2.3	11	4.9	9.7	6.7
AL	0.2	0.2	5.9	4.9	-1	6.4
SI	2.3	0.2	5.9	5.8	-1.2	6.5
S	-0.8	0.1	19.3	5.1	0.4	4.6
K	3.6	0.4	5.4	6.7	2	7.5
CA	3.9	-0.1	4.5	6	1.6	7
N-S K	2.7	0.4	1.6	6	3.3	2.6
MN	5	-0.1	2.5	5.1	1.1	6
FE	6.3	-0.1	2.5	7.3	12.3	7.9
BR	0	0.9	9.1	6.5	9	1
OC	5.1	1.6	24.3	15.4	39.1	4
EC	6.6	0.4	2.8	2.8	23.8	1.1

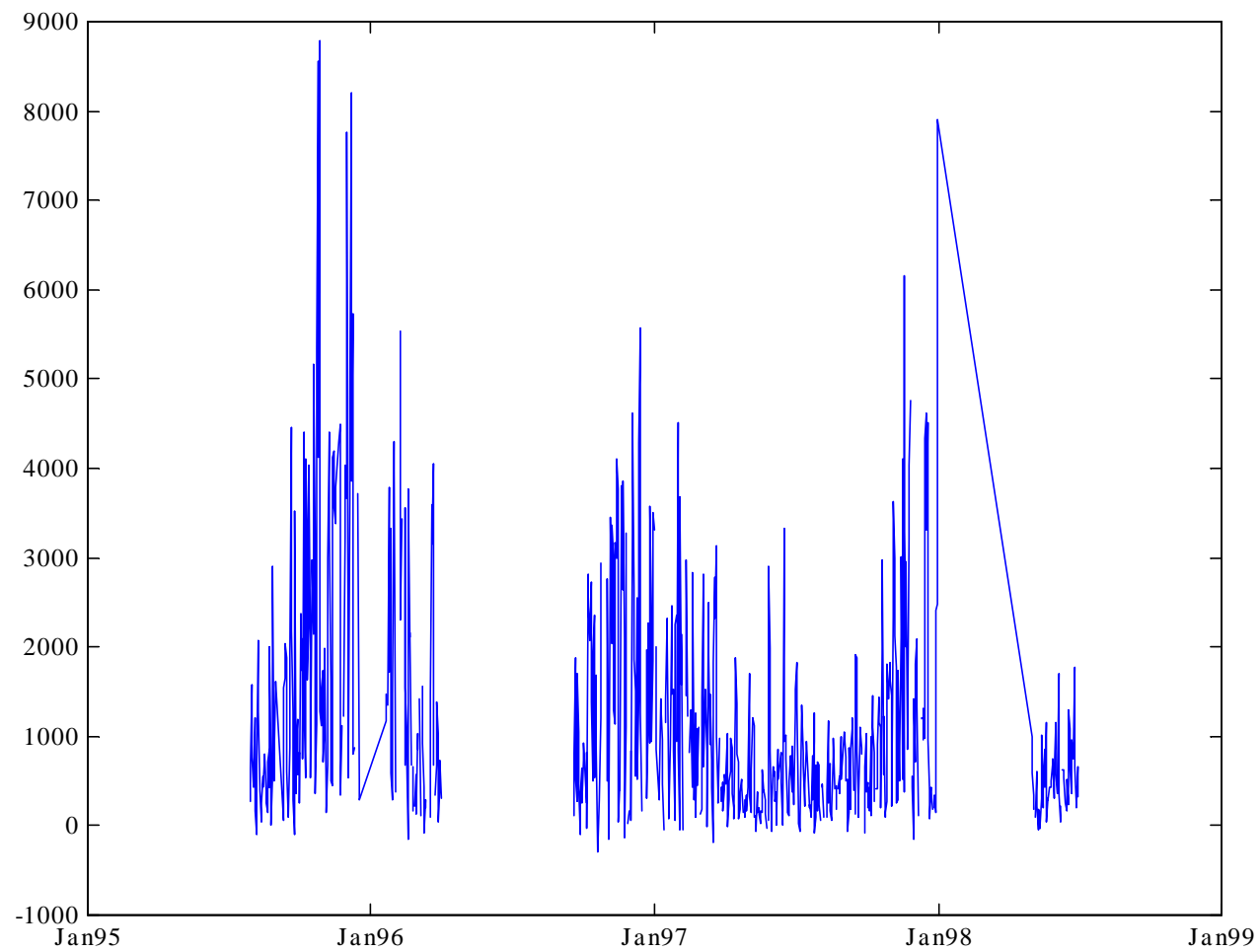
Signal to Noise for Unnormalized Source Composition

	Diesels	Veg. Burn.	Secondary	Unexplained	Vehicles	Soil
PM_F	5.2	2.9	10.1	5.2	11.6	7.1
AL	0.2	0.7	5.7	4.9	-0.9	13.9
SI	2.7	0.6	5.7	6.6	-1.0	13.7
S	-0.9	0.2	12.1	4.7	0.4	3.9
K	3.5	10.9	5.3	8.2	1.8	11.5
CA	4.7	-0.4	5.0	6.3	1.5	13.4
N-S K	2.8	11.5	1.7	6.6	2.9	2.3
MN	13.0	-0.6	2.8	3.9	1.0	7.5
FE	9.9	-1.1	2.8	5.7	8.0	12.0
BR	0.1	2.5	7.6	12.5	6.8	1.2
OC	3.4	3.2	9.9	5.4	11.7	3.0
EC	8.5	1.5	2.8	1.9	11.7	1.2

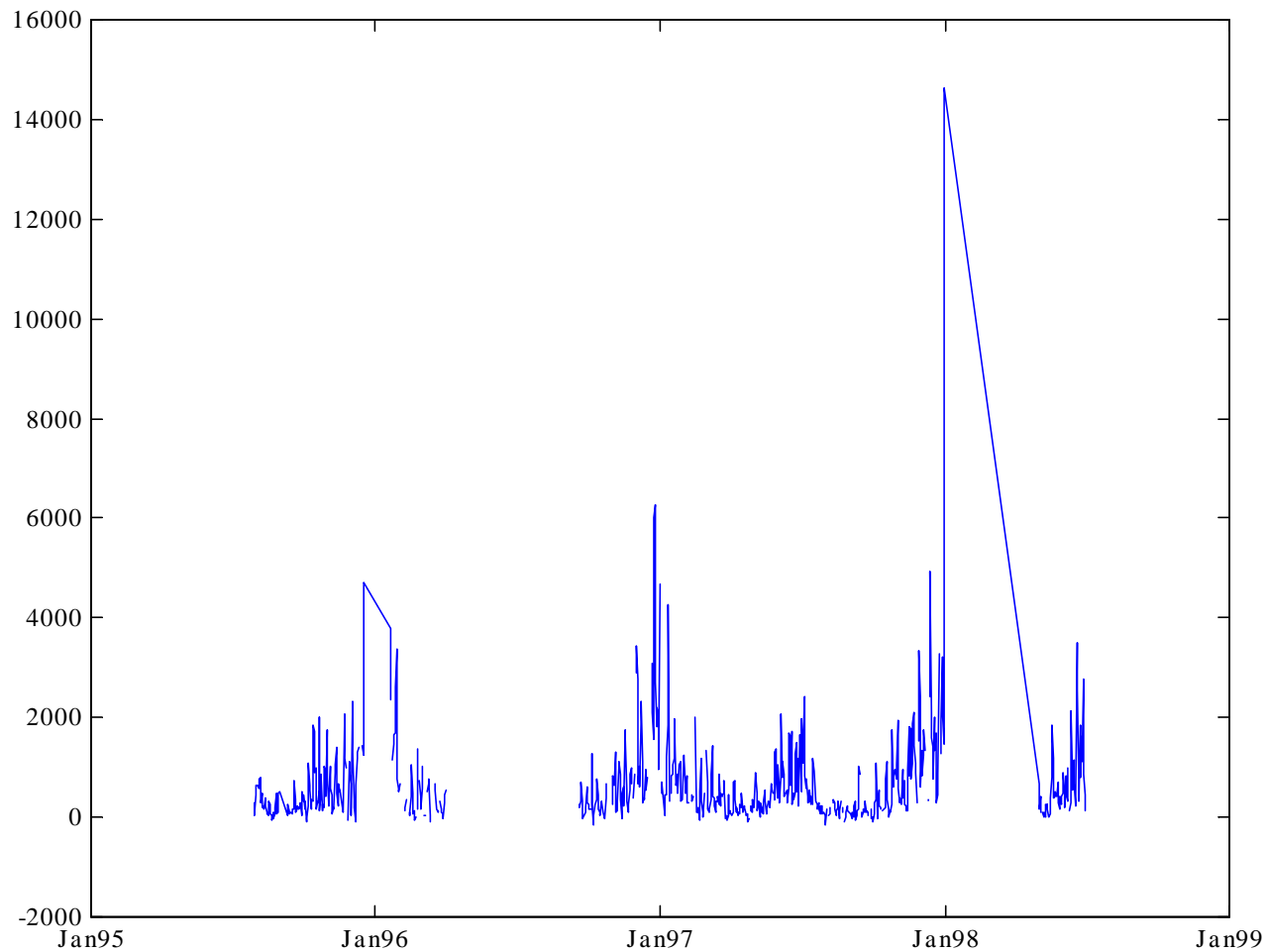
Phoenix with TEOM Data

	PM-10	Veg.Burn.	Diesels	Second.	Unexpl.	Vehicles	Soil
PM_FINE	1130	216	1016	1960	1707	5112	2099
AL	35	0	-5	-3	8	-5	110
SI	91	1	6	-8	31	-15	276
S	34	-11	-35	298	89	28	50
K	12	39	4	1	12	9	40
CA	21	-3	11	2	12	7	9
N-S K	0	39	4	2	8	11	3
MN	0	0	4	0	0	0	1
FE	19	-6	47	-1	16	44	83
BR	0	0	0	0	3	1	0
OC	403	153	312	647	786	2514	357
EC	4	-12	414	63	108	872	34
PM10	25944	71	2041	-455	3409	7389	12696
PM2_5	3690	243	840	1823	1886	4933	1756

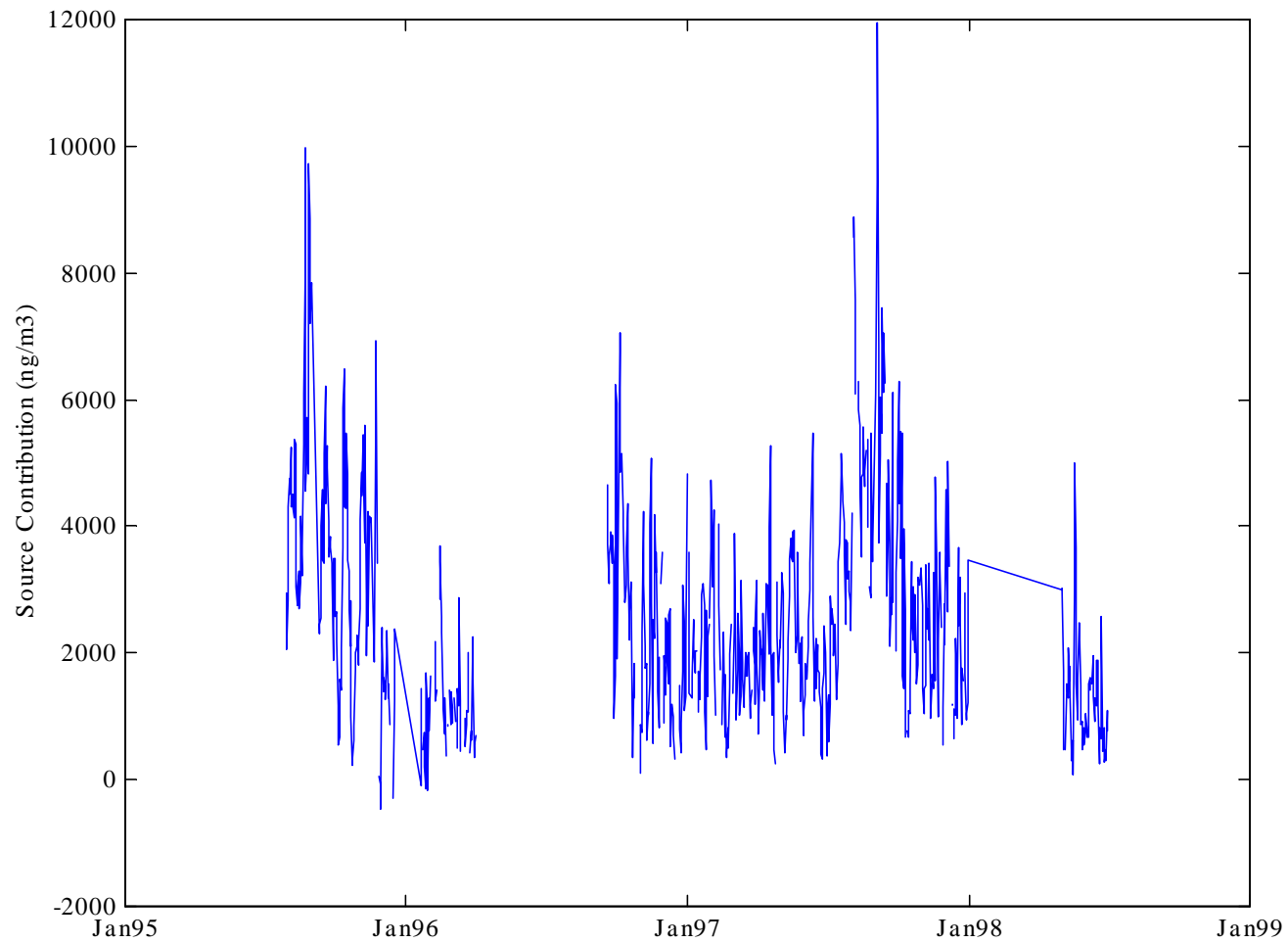
Diesel Time Series



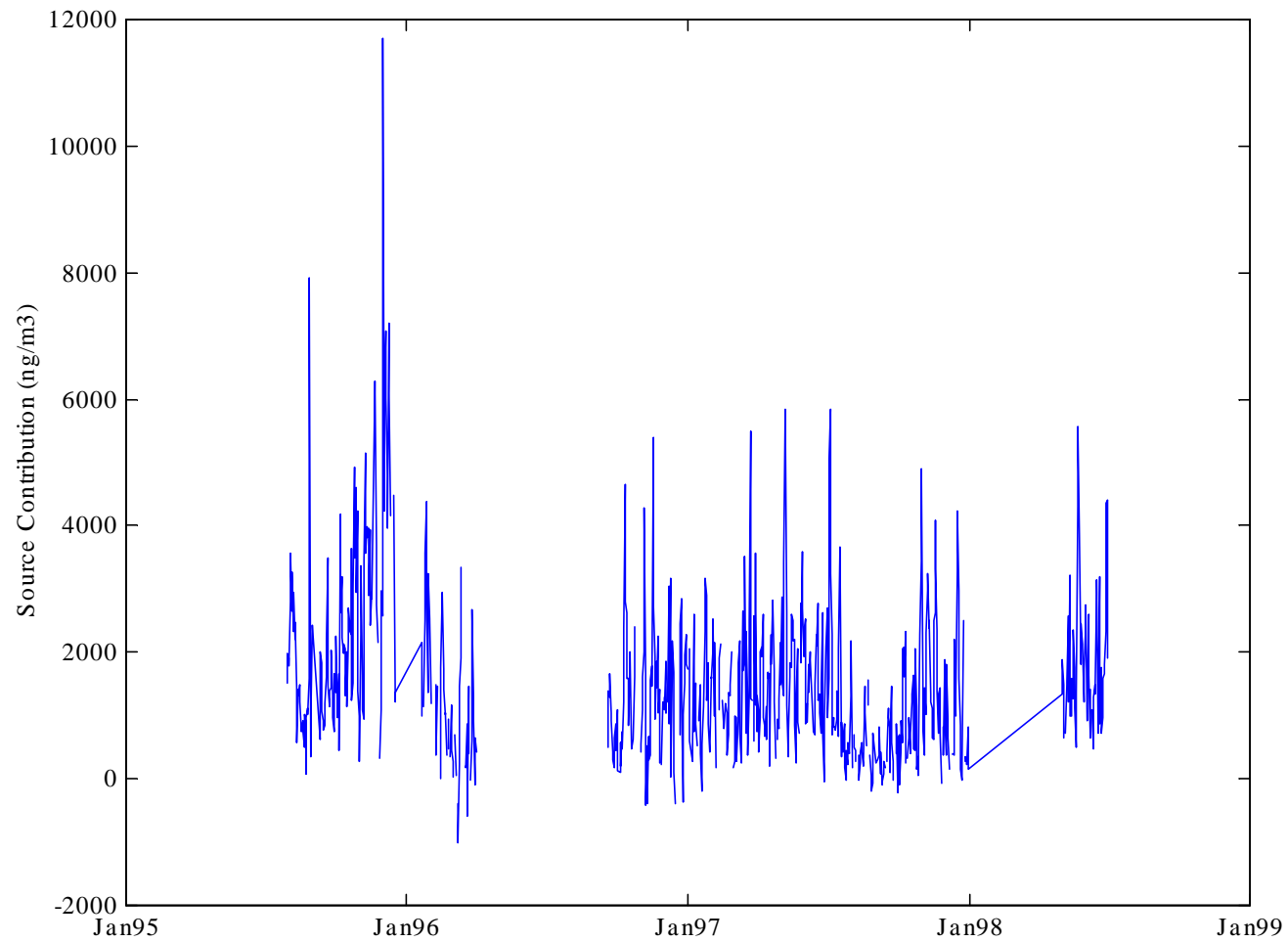
Vegetative Burning Time Series



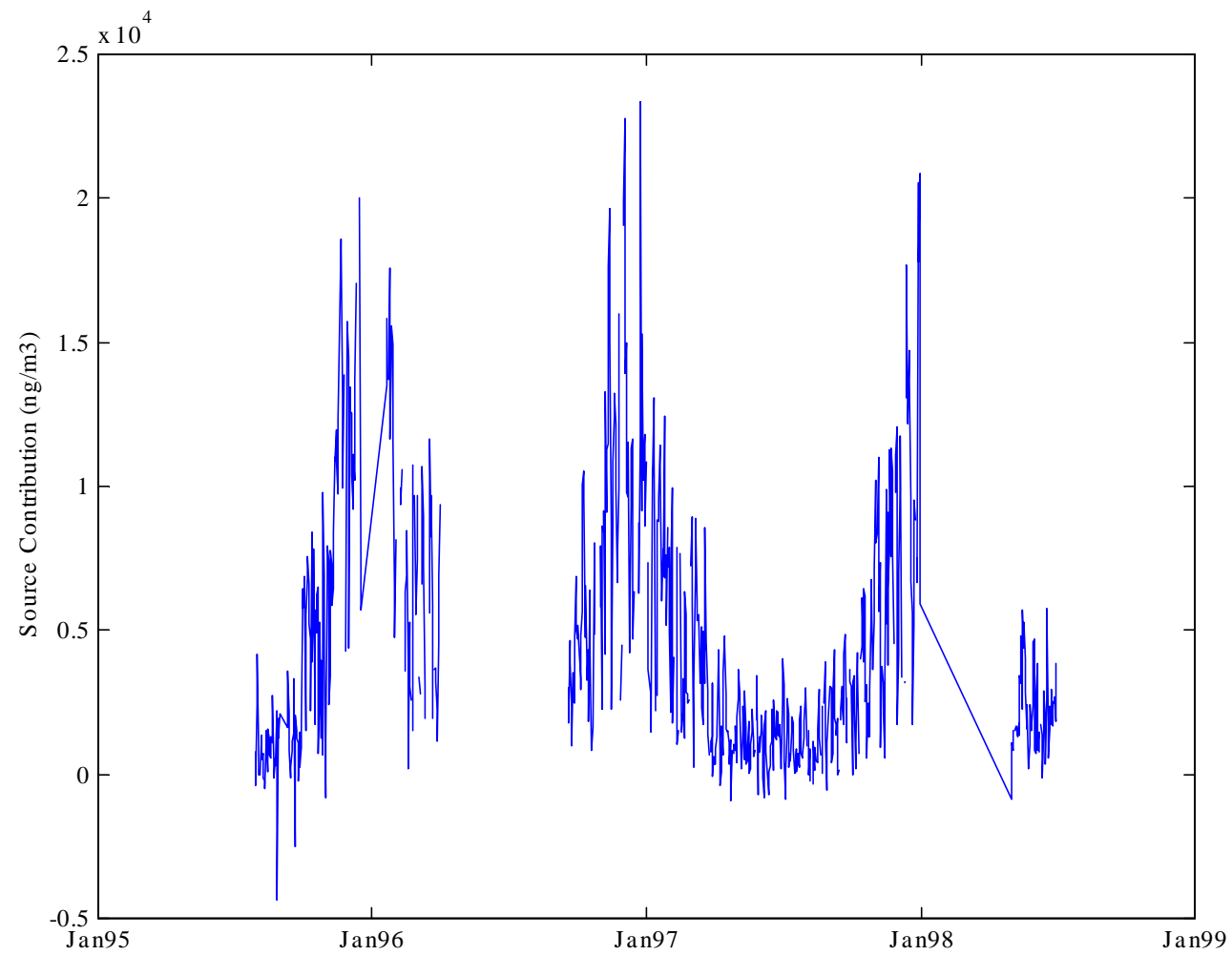
Secondary Pollutants Time Series



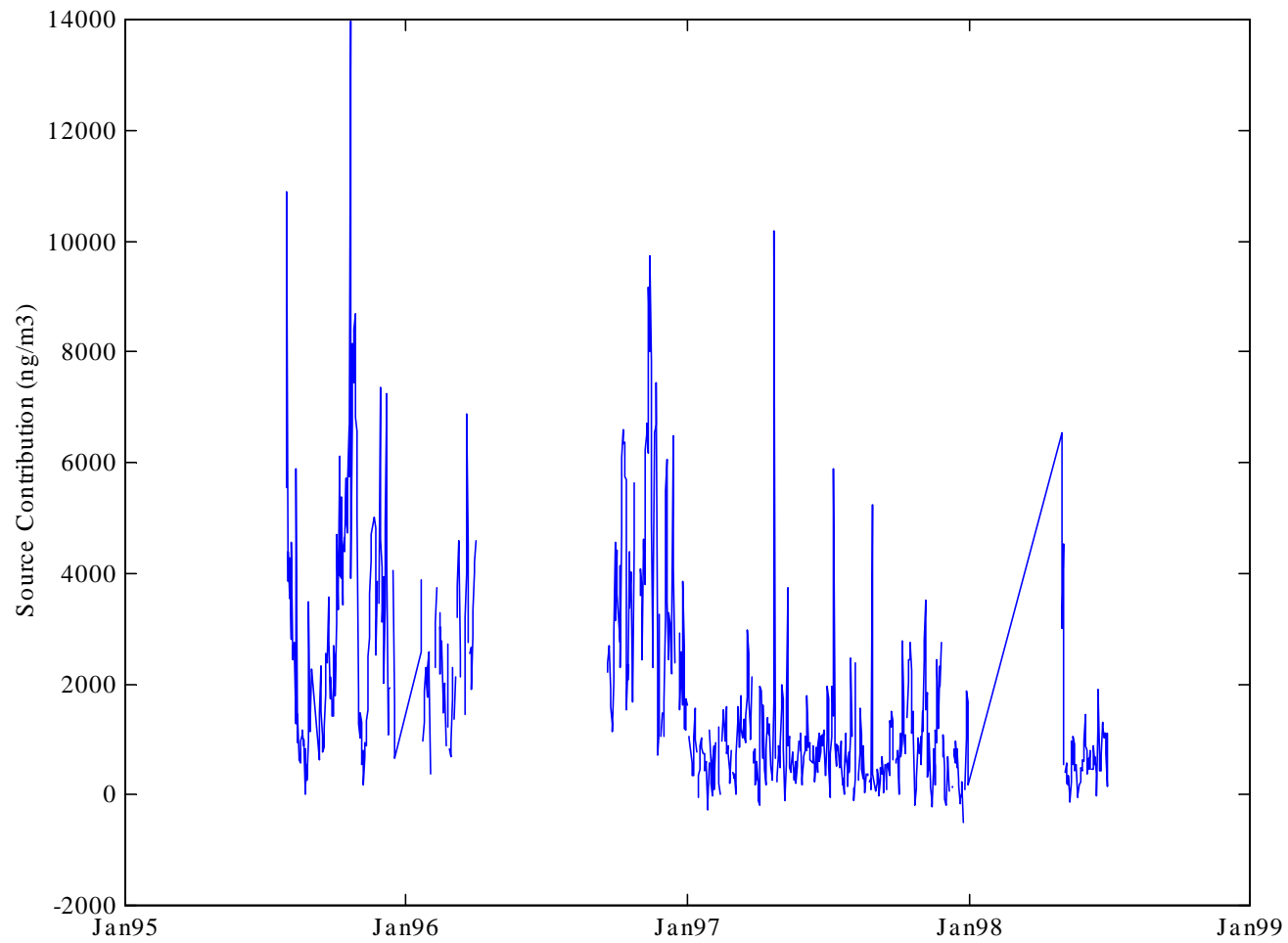
Unexplained Fine Mass



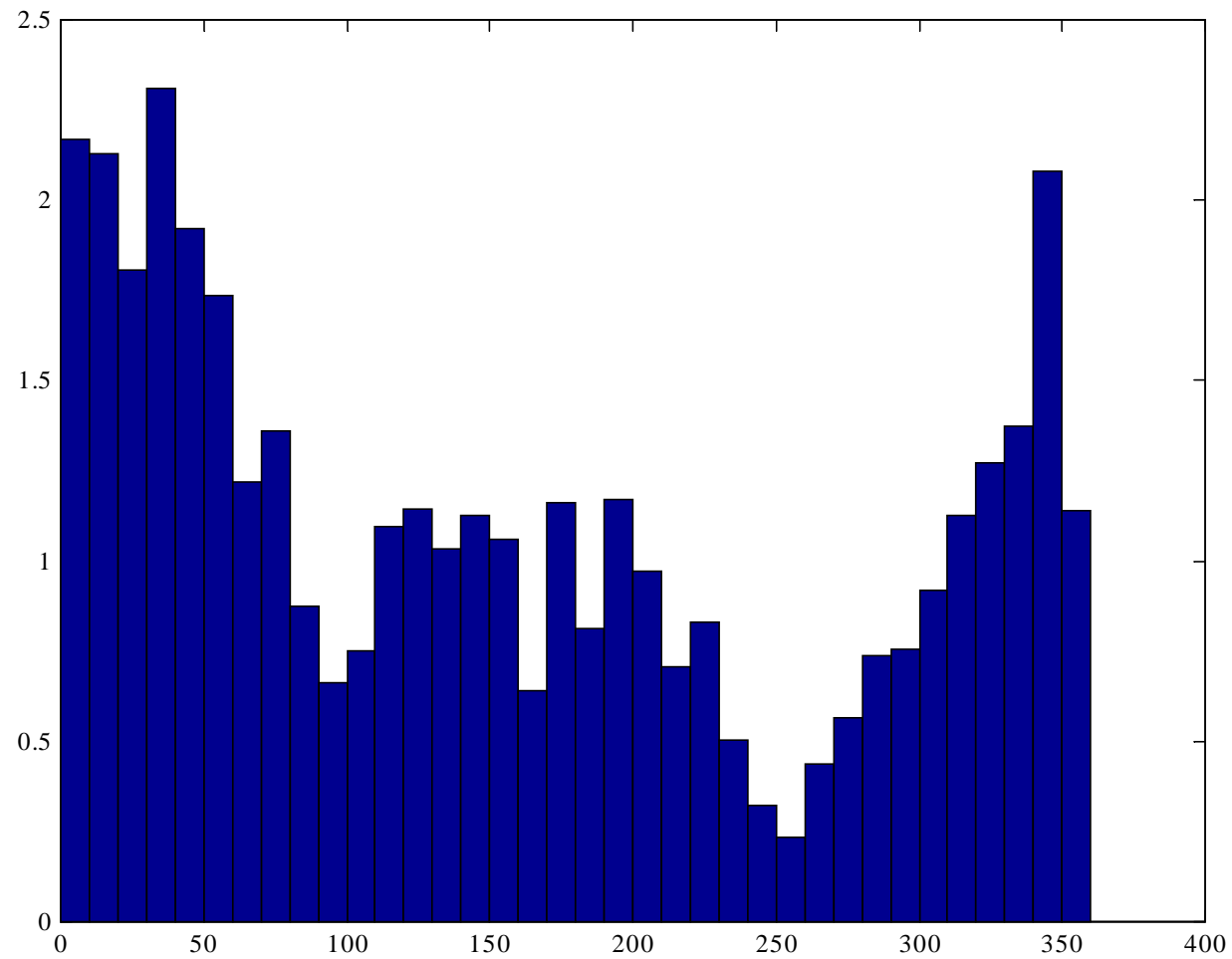
Vehicle Time Series



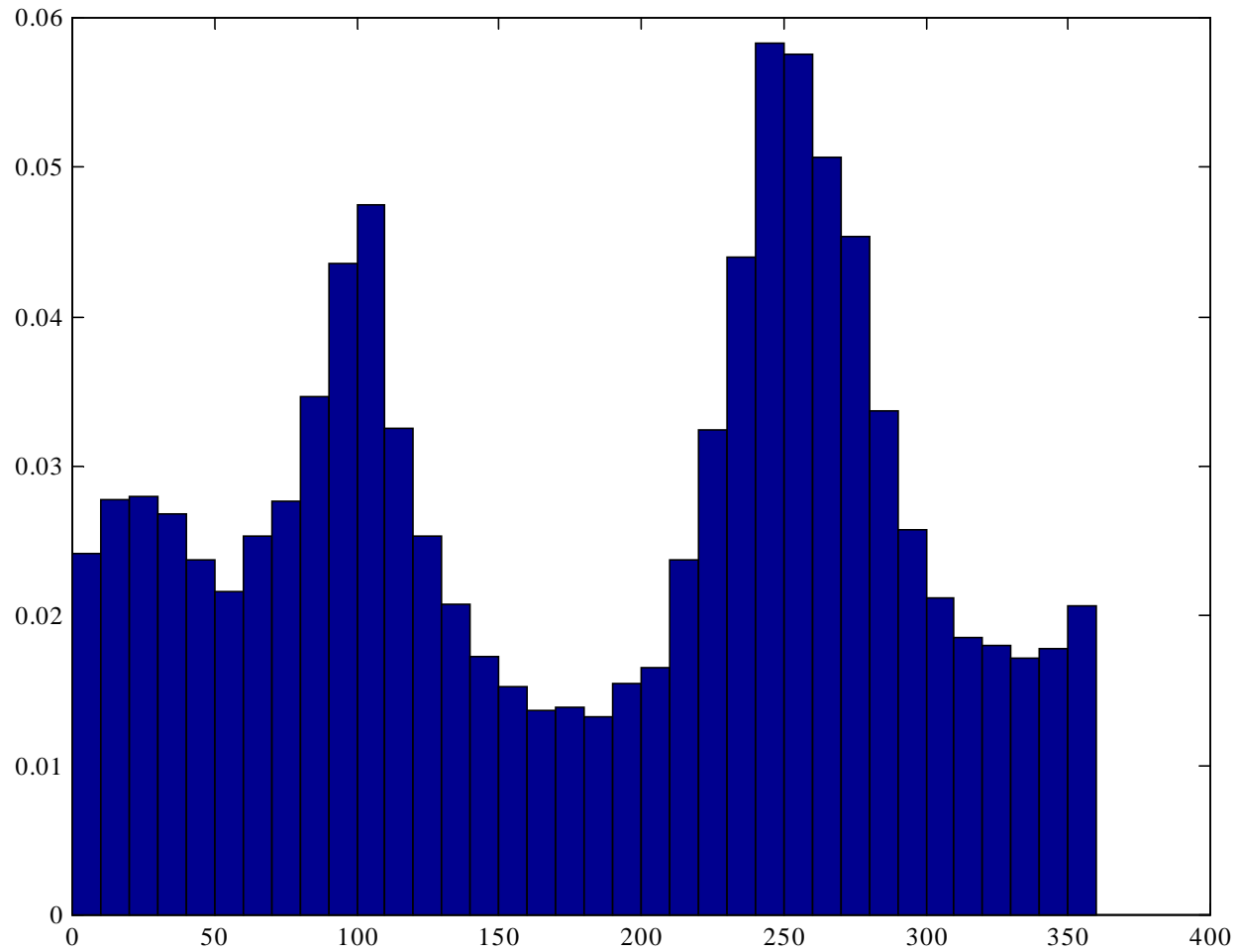
Soil Time Series



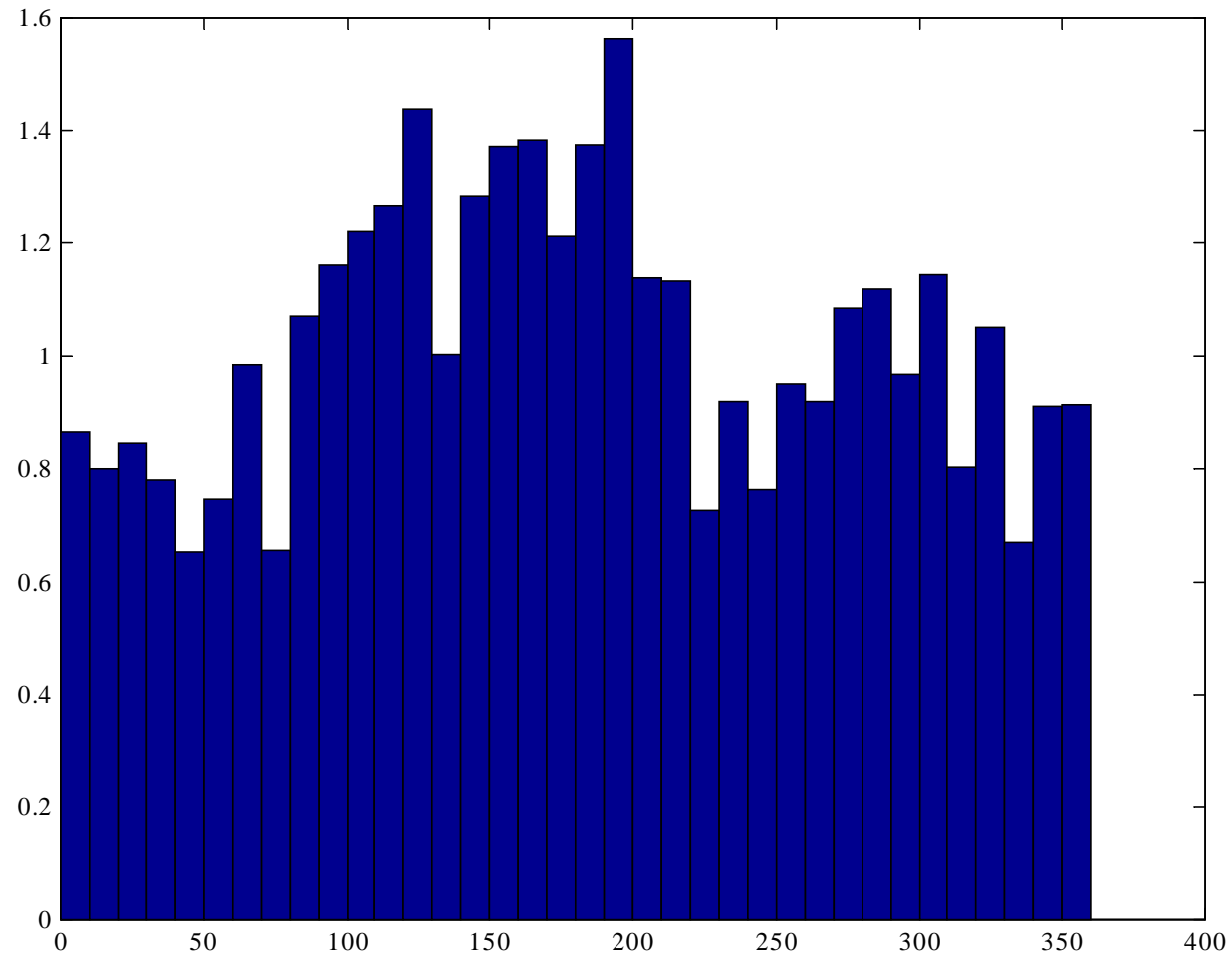
Vehicle Wind Direction



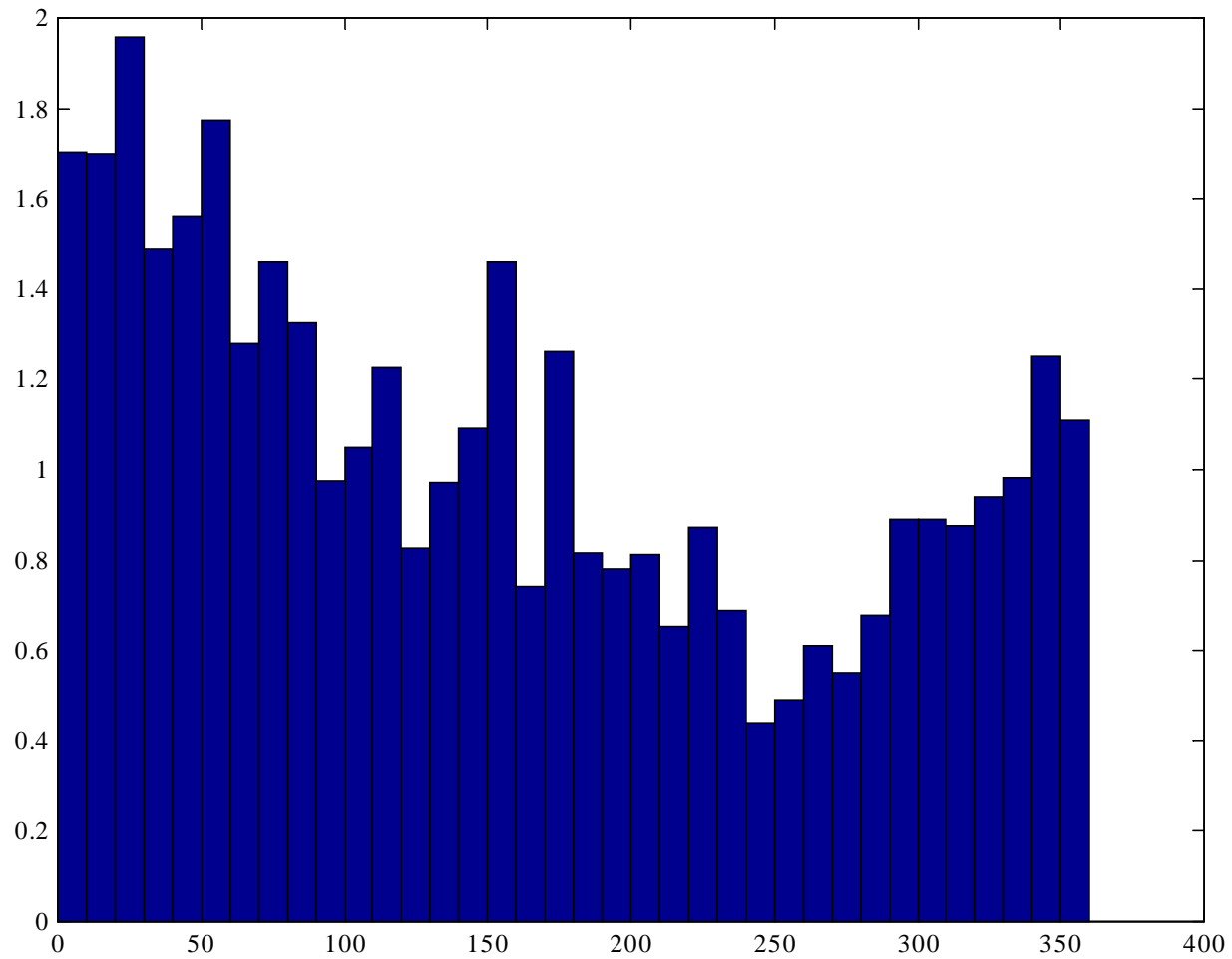
Phoenix Wind Direction



Secondary Wind Direction



Soil Wind Direction



Unexplained Wind Direction

