

Incremental excess of PM components and sources between two neighbouring sites of Bogotá, Colombia

Nestor Y. Rojas, Felipe Villamil, Irene Rosas, Juan Felipe Méndez-Espinosa, James J. Schauer

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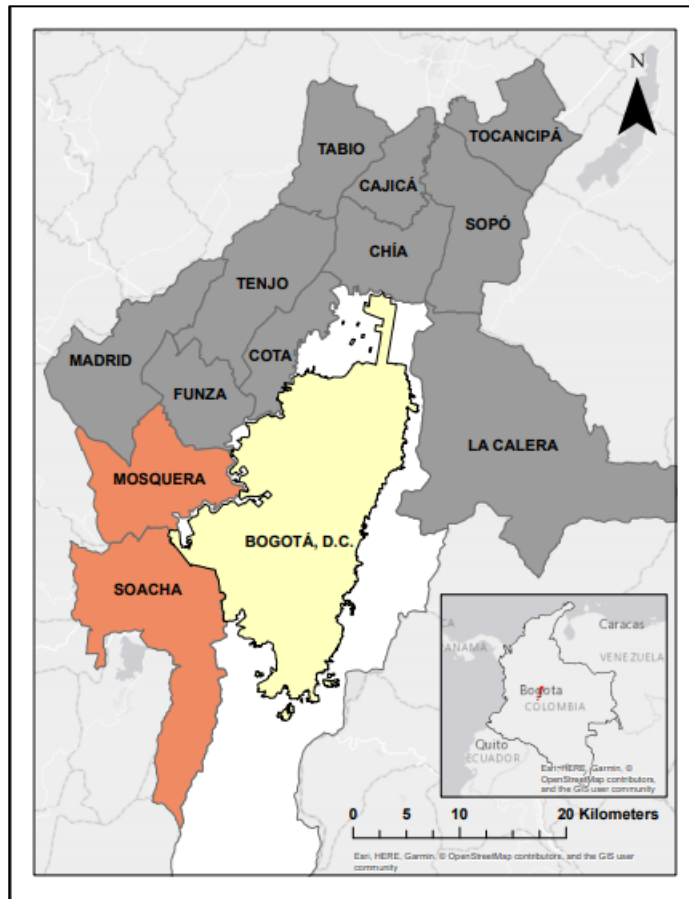


Fig. S1. Map of the metropolitan area of Bogotá

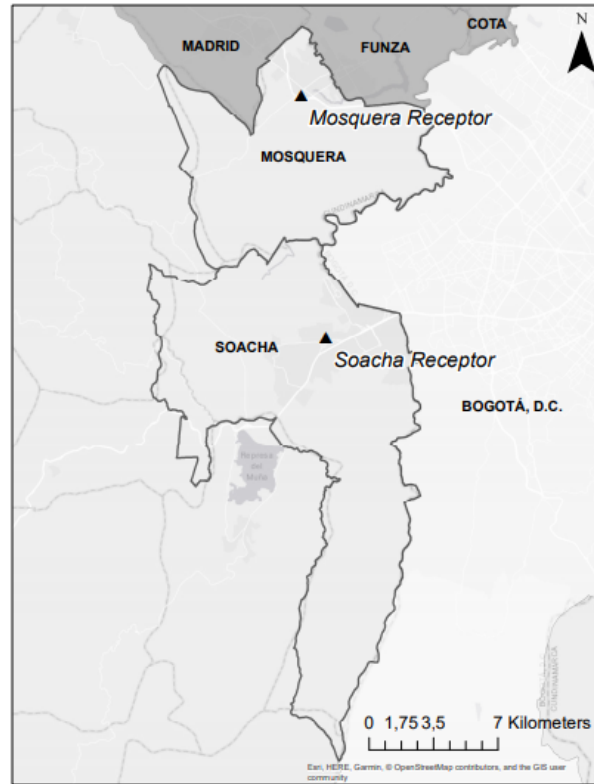


Fig. S2. Location of the Soacha and Mosquera receptors in the study area.

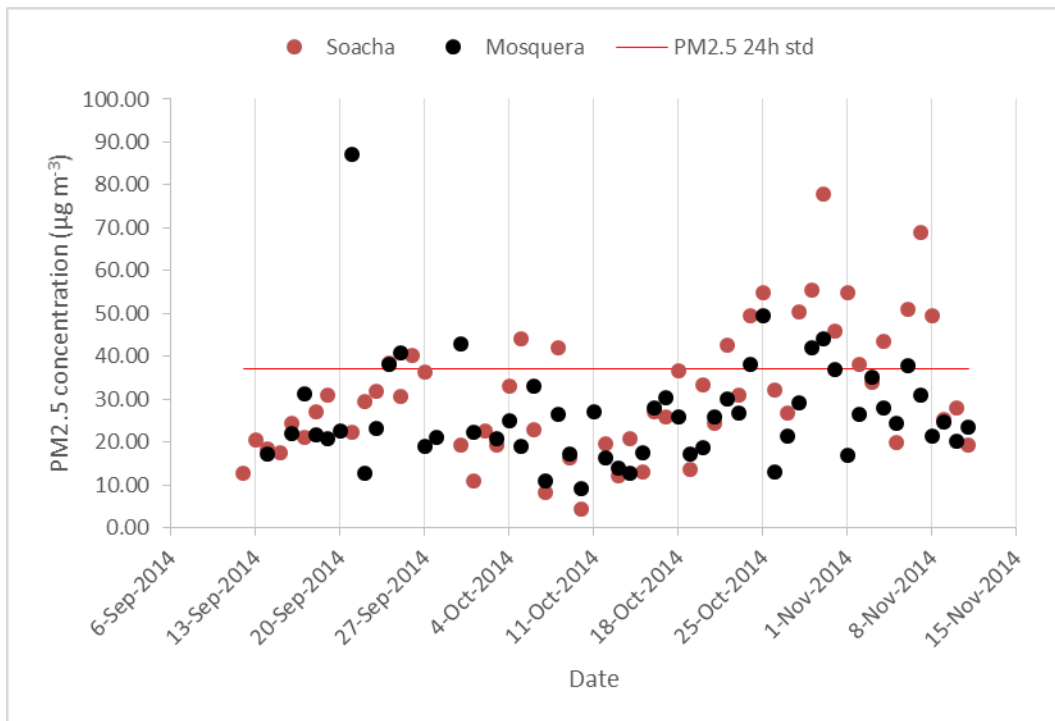


Fig. S3. Daily PM2.5 concentrations at Soacha and Mosquera.

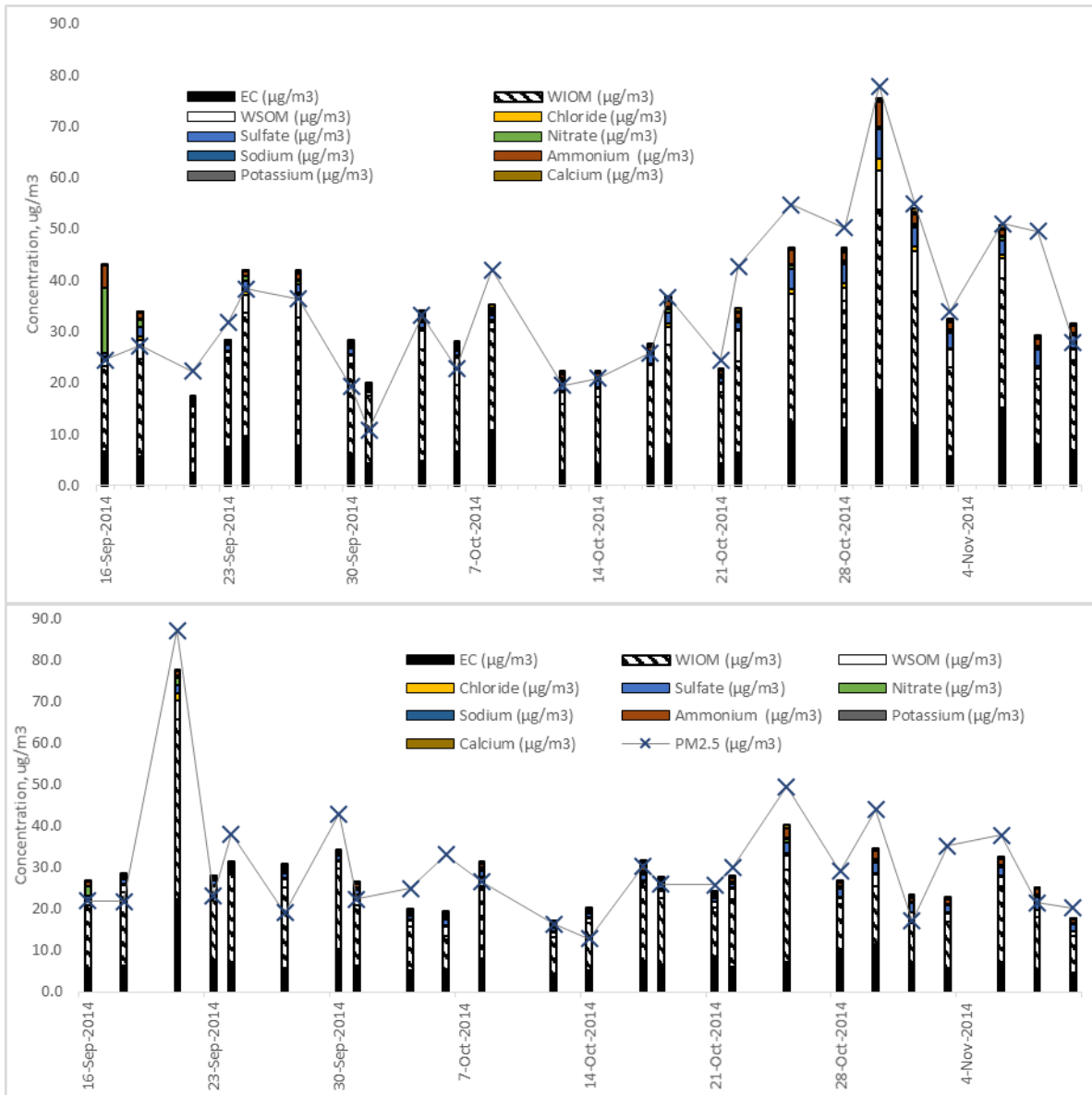


Fig. S4. Daily PM_{2.5} and bulk composition at Soacha (upper) and Mosquera (lower).

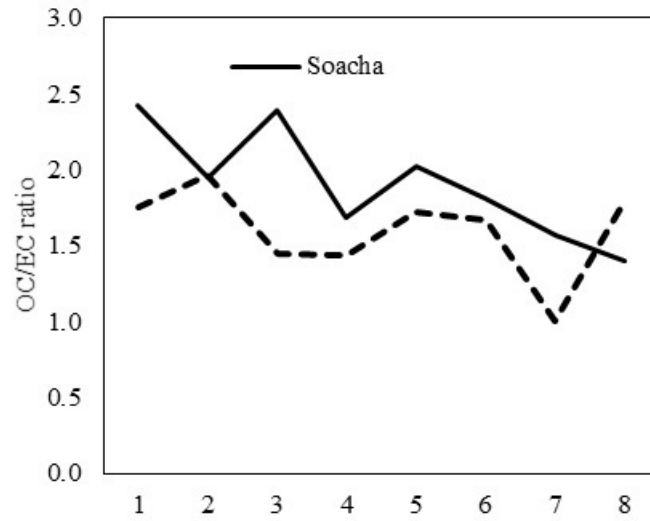


Fig. S5. Weekly OC/EC ratio in Soacha and Mosquera.

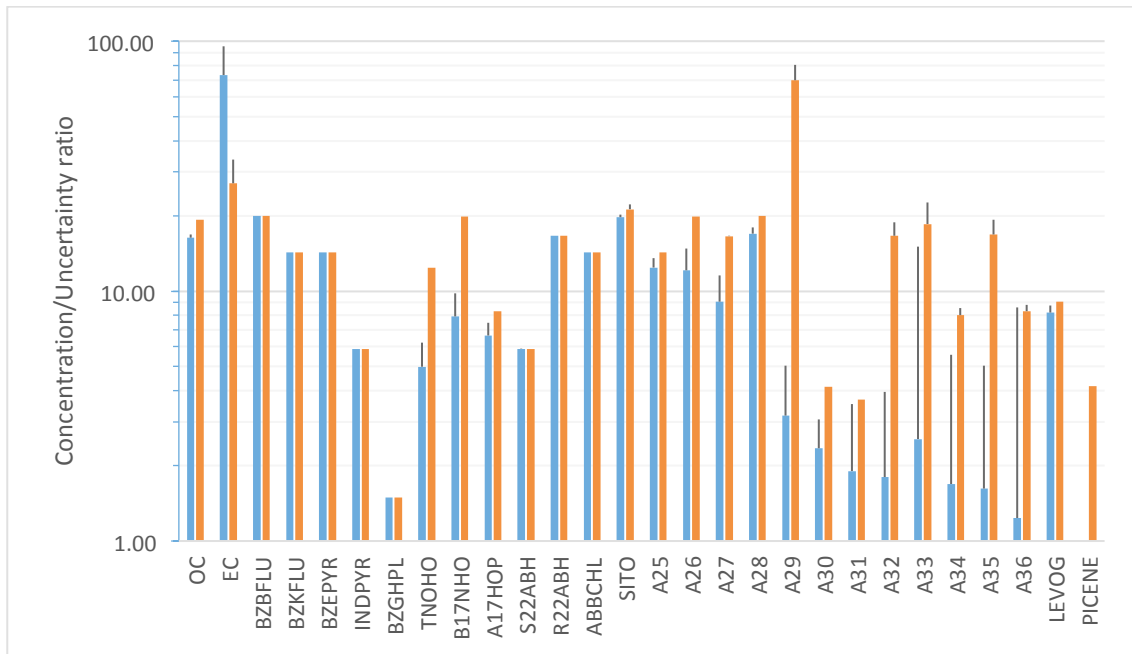


Fig. S6. Concentration/uncertainty ratios for the analyzed species used in the CMB model

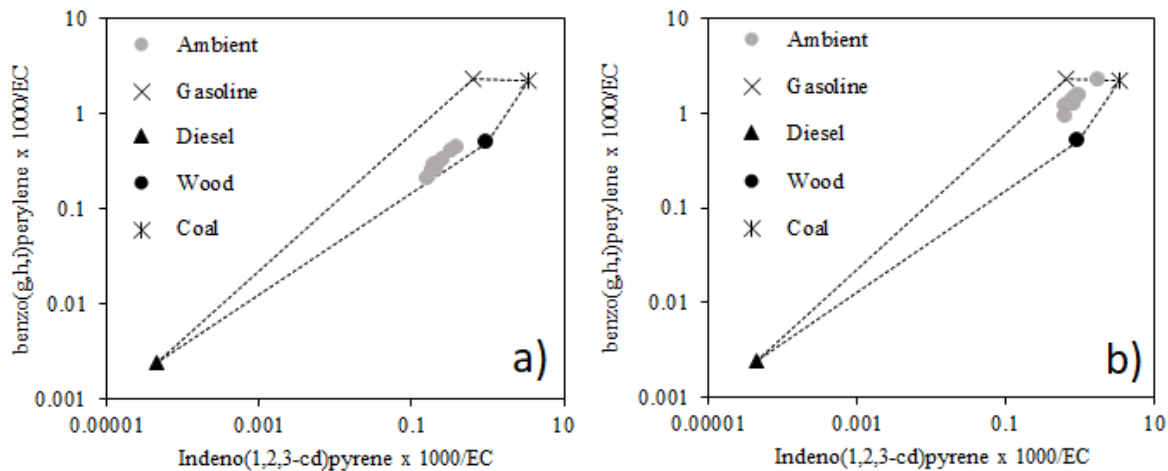
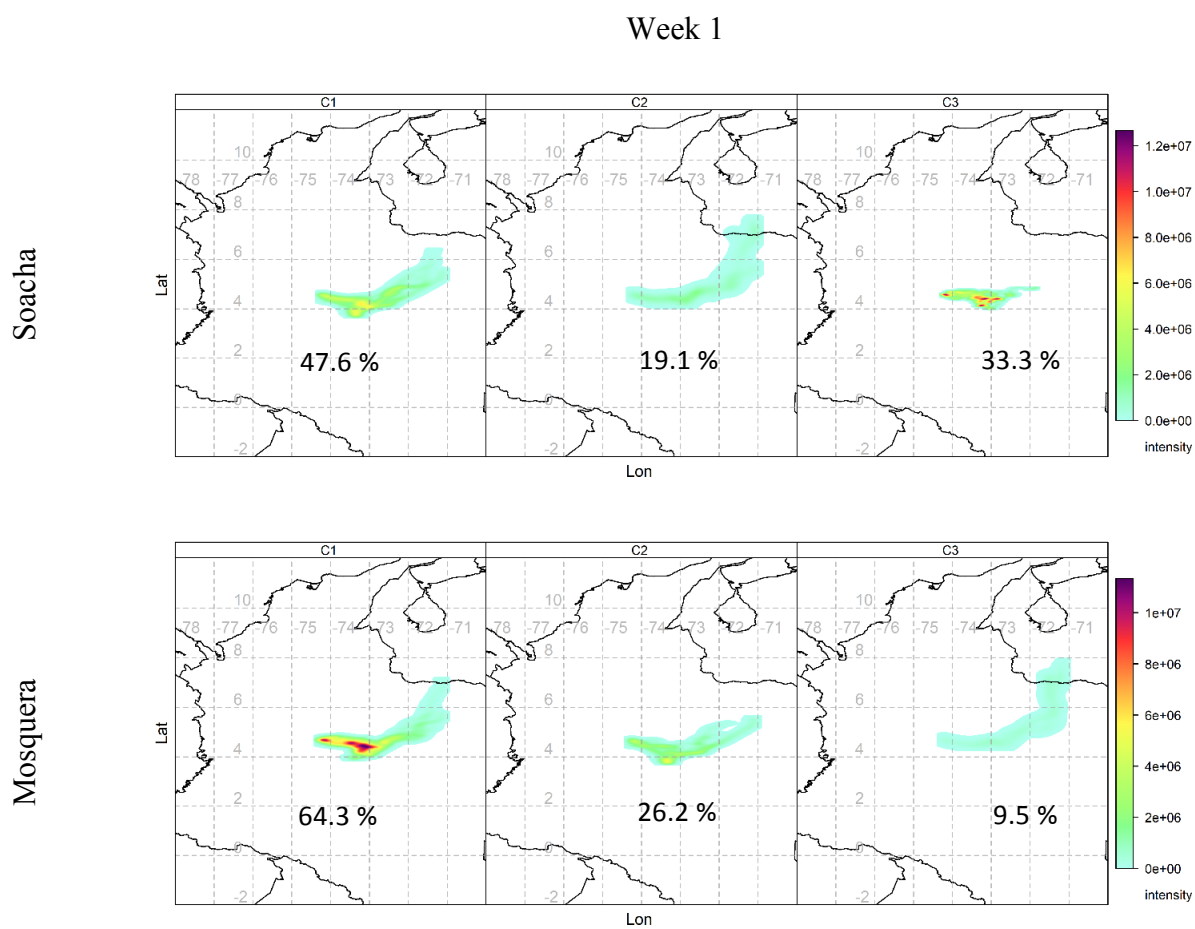
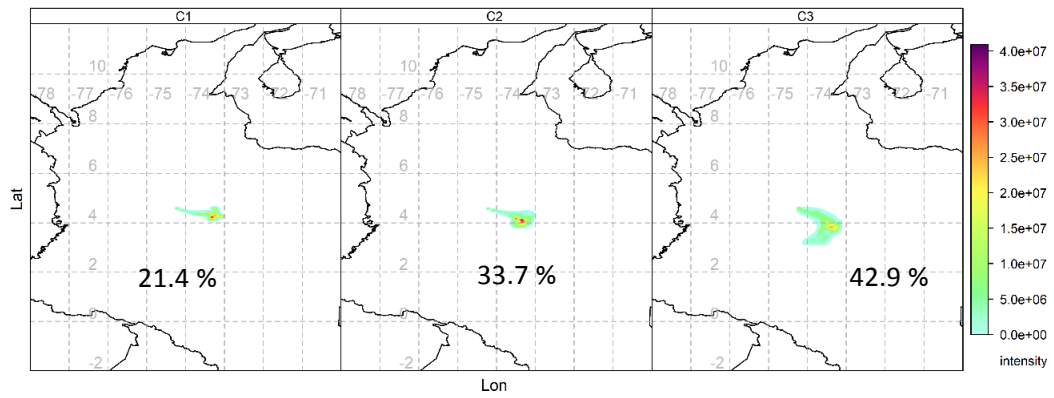


Fig. S7. Ratio-ratio plot of recommended PAHs in a) Soacha and b) Mosquera.

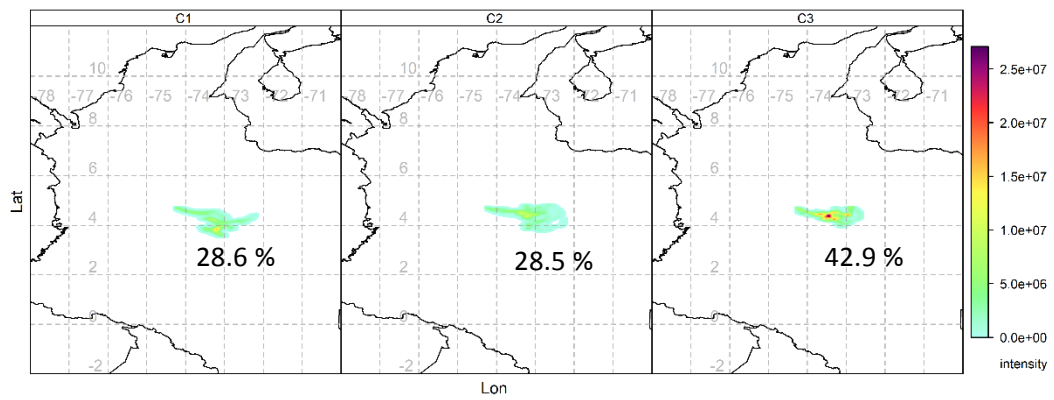


Week 2

Soacha

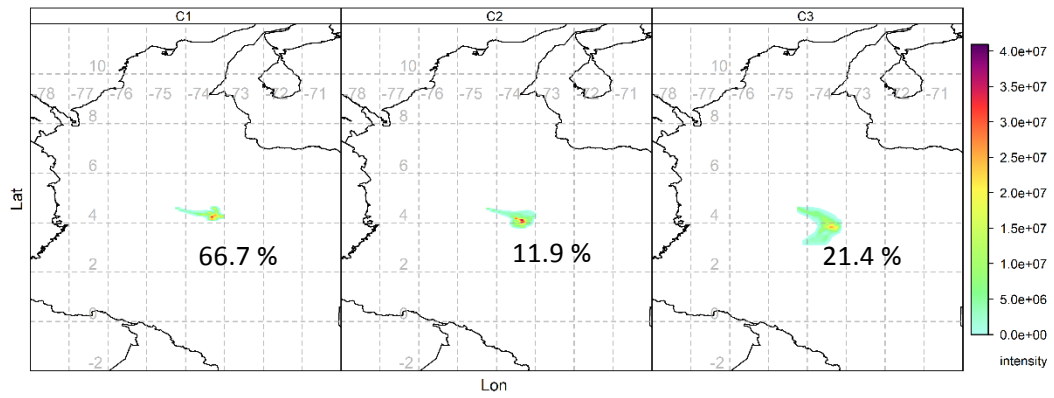


Mosquera

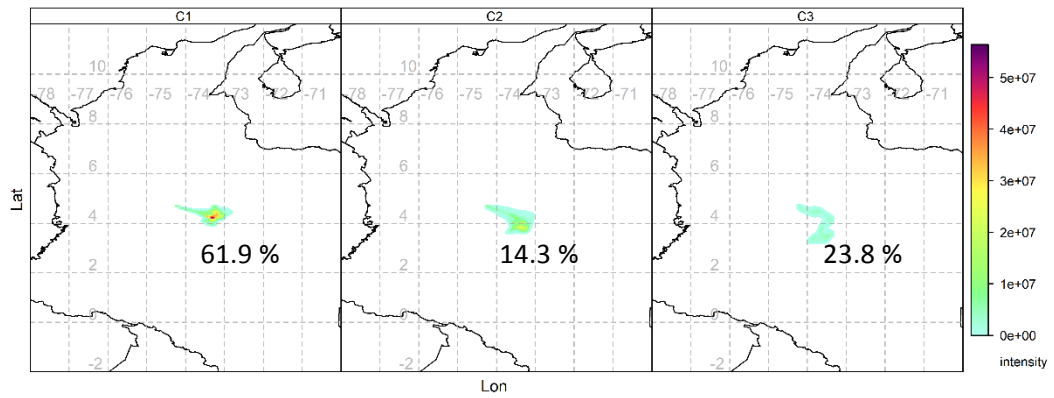


Week 3

Soacha

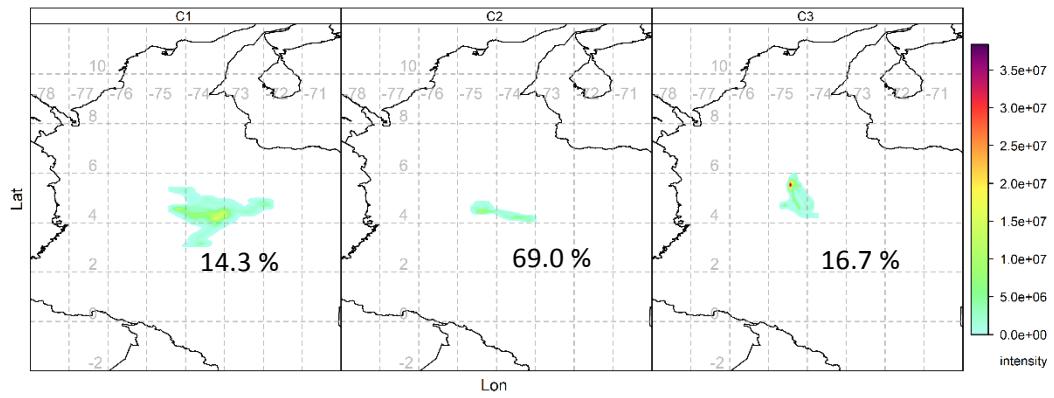


Mosquera

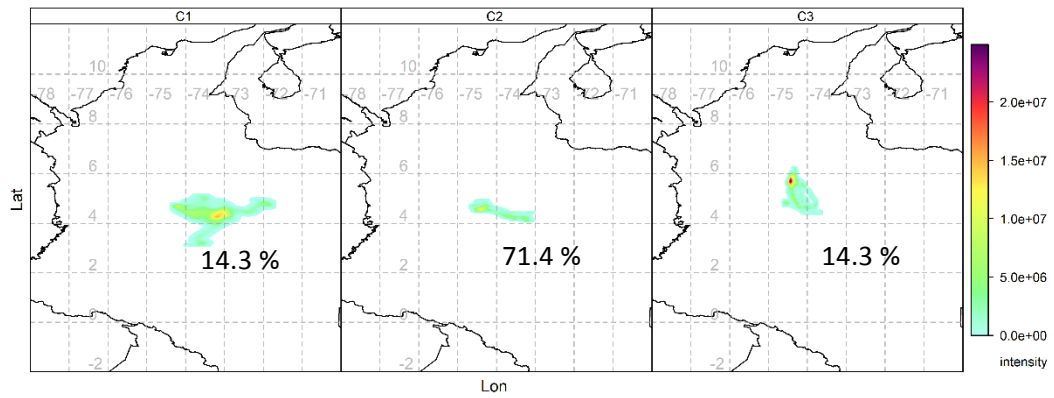


Week 4

Soacha

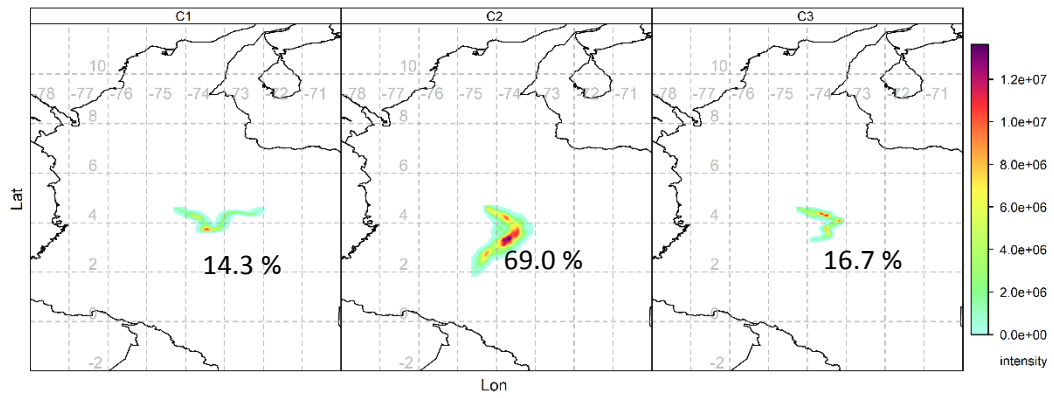


Mosquera

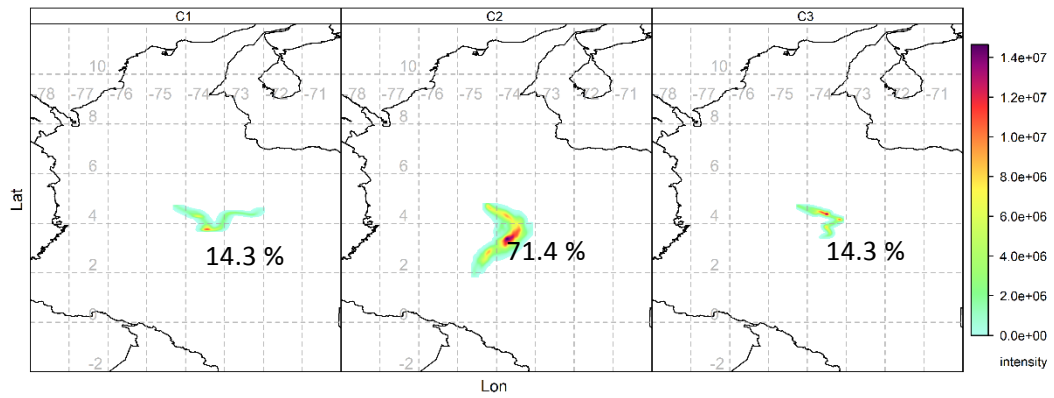


Week 5

Soacha

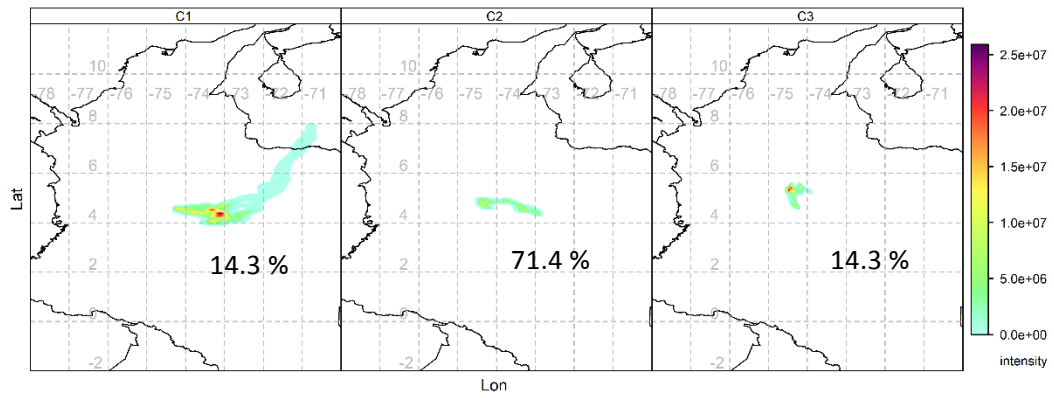


Mosquera

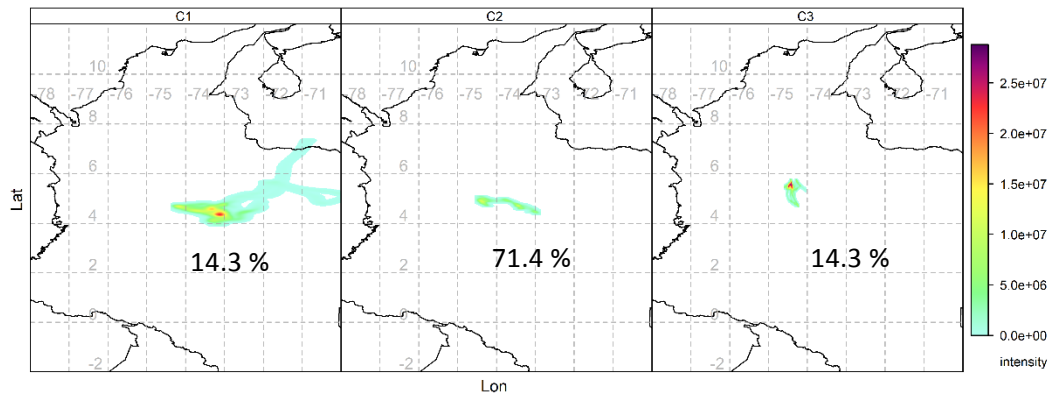


Week 6

Soacha

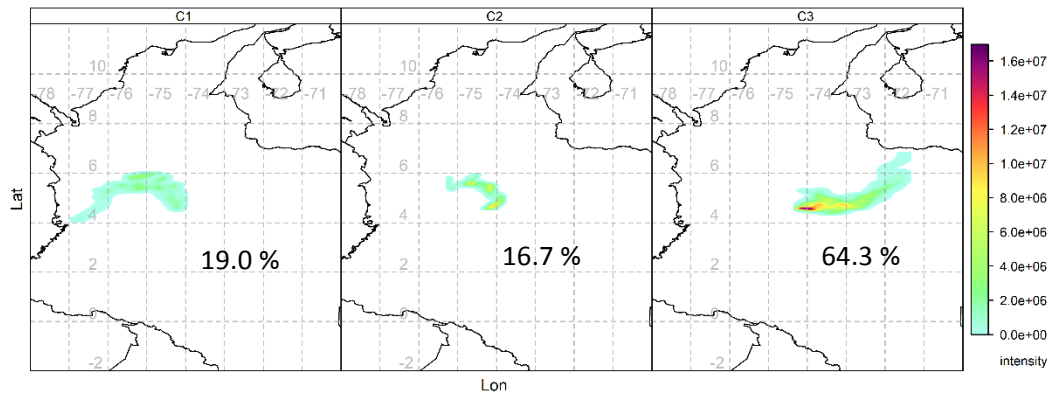


Mosquera

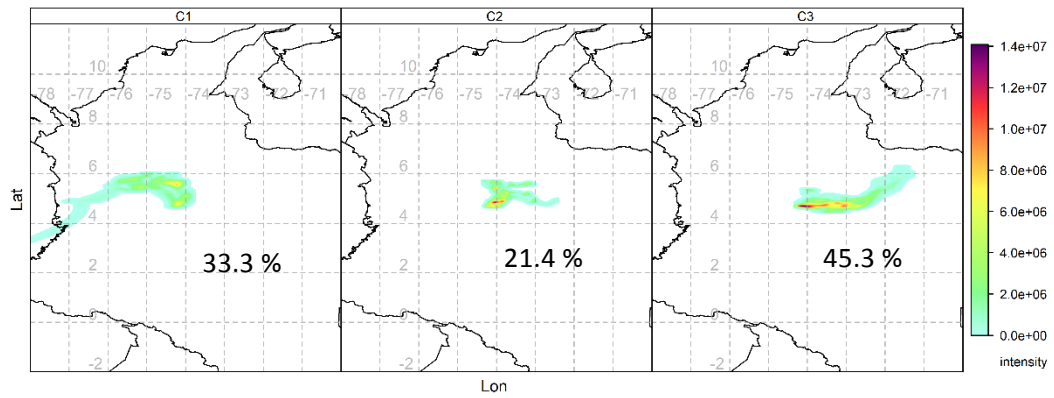


Week 7

Soacha



Mosquera



Week 8

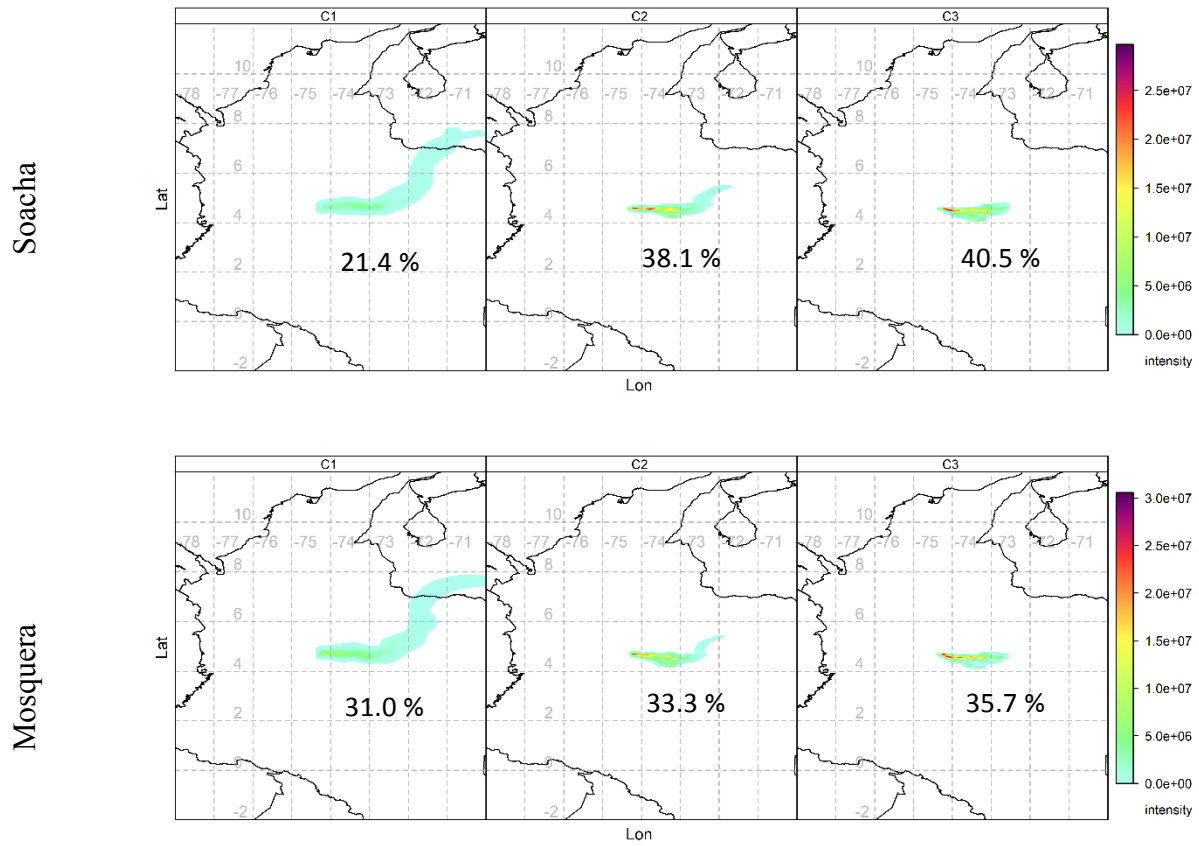


Fig. S6. Weekly kernel densities of backward trajectories arriving at Soacha and Mosquera. Percentages correspond to the contribution of C1, C2 and C3 back trajectory clusters at each site per week.

Tables

Table SI. Concentrations and uncertainties of analyzed species for the CMB model

Soacha														
Week	OC	OCU	EC	ECU	BZBFLU	BZBFLU	BZKFLU	BZKFLU	BZEPYR	BZEPYRU	INDPYR	INDPYRU	BZGHPL	BZGHPLU
1	11.38	0.71	4.69	0.07	0.001430	0.000072	0.001488	0.000104	0.000978	0.000069	0.001578	0.000268	0.001900	0.001273
2	15.76	0.93	8.09	0.11	0.001964	0.000098	0.001853	0.000130	0.001291	0.000090	0.001795	0.000305	0.002334	0.001564
3	12.18	0.75	5.09	0.08	0.001053	0.000053	0.001031	0.000072	0.000706	0.000049	0.001050	0.000178	0.001444	0.000967
4	11.37	0.71	6.75	0.09	0.002096	0.000105	0.002098	0.000147	0.001657	0.000116	0.002697	0.000459	0.002992	0.002004
5	11.58	0.72	5.72	0.08	0.001195	0.000060	0.000815	0.000057	0.000728	0.000051	0.000962	0.000164	0.001167	0.000782
6	13.41	0.81	7.40	0.10	0.002657	0.000133	0.001885	0.000132	0.001580	0.000111	0.001975	0.000336	0.002387	0.001600
7	21.59	1.22	13.76	0.10	0.003346	0.000167	0.002855	0.000200	0.002101	0.000147	0.002951	0.000502	0.003524	0.002361
8	13.18	0.81	9.43	0.10	0.002070	0.000104	0.001500	0.000105	0.001298	0.000091	0.001830	0.000311	0.002421	0.001622
<i>median</i>	<i>12.68</i>	<i>0.78</i>	<i>7.07</i>	<i>0.09</i>	<i>0.002017</i>	<i>0.000101</i>	<i>0.001677</i>	<i>0.000117</i>	<i>0.001295</i>	<i>0.000091</i>	<i>0.001813</i>	<i>0.000308</i>	<i>0.002361</i>	<i>0.001582</i>
<i>Q1</i>	<i>11.53</i>	<i>0.72</i>	<i>5.56</i>	<i>0.08</i>	<i>0.001371</i>	<i>0.000069</i>	<i>0.001374</i>	<i>0.000096</i>	<i>0.000916</i>	<i>0.000064</i>	<i>0.001446</i>	<i>0.000246</i>	<i>0.001786</i>	<i>0.001197</i>
<i>Q3</i>	<i>13.99</i>	<i>0.84</i>	<i>8.42</i>	<i>0.10</i>	<i>0.002236</i>	<i>0.000112</i>	<i>0.001939</i>	<i>0.000136</i>	<i>0.001599</i>	<i>0.000112</i>	<i>0.002156</i>	<i>0.000367</i>	<i>0.002563</i>	<i>0.001718</i>
<i>st.dev.</i>	<i>3.25</i>	<i>0.16</i>	<i>2.75</i>	<i>0.01</i>	<i>0.000718</i>	<i>0.000036</i>	<i>0.000599</i>	<i>0.000042</i>	<i>0.000452</i>	<i>0.000032</i>	<i>0.000657</i>	<i>0.000112</i>	<i>0.000722</i>	<i>0.000484</i>
Week	TNOHO	TNOHOU	B17NHO	B17NHOU	A17HOP	A17HOPU	S22ABH	S22ABHU	R22ABH	R22ABHU	ABBCHL	ABBCHLU	SITO	SITOU
1	0.000176	0.000044	0.000457	0.000063	0.000452	0.000079	0.000279	0.000047	0.000218	0.000013	0.000158	0.000011	0.000276	0.000014
2	0.000265	0.000048	0.000814	0.000073	0.000712	0.000104	0.000480	0.000082	0.000393	0.000024	0.000219	0.000015	0.000445	0.000021
3	0.000125	0.000047	0.000355	0.000067	0.000384	0.000078	0.000298	0.000051	0.000199	0.000012	0.000161	0.000011	0.000242	0.000012
4	0.000240	0.000050	0.000576	0.000072	0.000679	0.000103	0.000416	0.000071	0.000306	0.000018	0.000154	0.000011	0.000278	0.000014
5	0.000120	0.000038	0.000278	0.000054	0.000342	0.000065	0.000264	0.000045	0.000179	0.000011	0.000115	0.000008	0.000208	0.000010
6	0.000208	0.000040	0.000552	0.000059	0.000638	0.000092	0.000361	0.000061	0.000300	0.000018	0.000156	0.000011	0.000318	0.000016
7	0.000291	0.000043	0.000497	0.000057	0.000762	0.000104	0.000433	0.000074	0.000220	0.000013	0.000156	0.000011	0.000435	0.000022
8	0.000210	0.000040	0.000439	0.000056	0.000572	0.000085	0.000371	0.000063	0.000331	0.000020	0.000187	0.000013	0.000279	0.000015
<i>median</i>	<i>0.000209</i>	<i>0.000043</i>	<i>0.000477</i>	<i>0.000061</i>	<i>0.000605</i>	<i>0.000088</i>	<i>0.000366</i>	<i>0.000062</i>	<i>0.000260</i>	<i>0.000016</i>	<i>0.000157</i>	<i>0.000011</i>	<i>0.000279</i>	<i>0.000015</i>
<i>Q1</i>	<i>0.000163</i>	<i>0.000040</i>	<i>0.000418</i>	<i>0.000057</i>	<i>0.000435</i>	<i>0.000079</i>	<i>0.000293</i>	<i>0.000050</i>	<i>0.000213</i>	<i>0.000013</i>	<i>0.000155</i>	<i>0.000011</i>	<i>0.000267</i>	<i>0.000013</i>
<i>Q3</i>	<i>0.000247</i>	<i>0.000047</i>	<i>0.000558</i>	<i>0.000068</i>	<i>0.000687</i>	<i>0.000103</i>	<i>0.000420</i>	<i>0.000071</i>	<i>0.000312</i>	<i>0.000019</i>	<i>0.000167</i>	<i>0.000012</i>	<i>0.000347</i>	<i>0.000017</i>
<i>st.dev.</i>	<i>0.000058</i>	<i>0.000004</i>	<i>0.000151</i>	<i>0.000007</i>	<i>0.000148</i>	<i>0.000014</i>	<i>0.000073</i>	<i>0.000012</i>	<i>0.000070</i>	<i>0.000004</i>	<i>0.000028</i>	<i>0.000002</i>	<i>0.000081</i>	<i>0.000004</i>

Week	A25	A25U	A26	A26U	A27	A27U	A28	A28U	A29	A29U	A30	A30U	A31	A31U
1	0.005821	0.000540	0.004777	0.000486	0.005434	0.000683	0.007426	0.000435	0.005067	0.001522	0.002286	0.000935	0.002934	0.001361
2	0.009365	0.000750	0.007036	0.000560	0.007115	0.000751	0.007713	0.000450	0.005730	0.001568	0.002357	0.001046	0.003037	0.001766
3	0.006423	0.000595	0.004717	0.000523	0.005310	0.000734	0.005823	0.000383	0.003420	0.001679	0.002520	0.000998	0.003213	0.000495
4	0.009760	0.000789	0.006729	0.000579	0.006735	0.000780	0.007405	0.000448	0.004737	0.001695	0.002539	0.000743	0.003261	0.001359
5	0.004737	0.000455	0.003801	0.000418	0.004204	0.000585	0.005633	0.000345	0.004029	0.001339	0.002041	0.001667	0.002618	0.002019
6	0.008533	0.000675	0.007229	0.000521	0.007746	0.000707	0.006321	0.000374	0.003812	0.001351	0.002055	0.001580	0.002668	0.002461
7	0.014888	0.001088	0.013137	0.000755	0.016526	0.001123	0.011684	0.000617	0.011269	0.001338	0.006033	0.002469	0.006487	0.003100
8	0.009971	0.000765	0.007504	0.000530	0.009413	0.000774	0.008216	0.000457	0.006257	0.001344	0.002890	0.002126	0.003574	0.002746
<i>median</i>	<i>0.008949</i>	<i>0.000712</i>	<i>0.006883</i>	<i>0.000526</i>	<i>0.006925</i>	<i>0.000742</i>	<i>0.007415</i>	<i>0.000441</i>	<i>0.004902</i>	<i>0.001437</i>	<i>0.002439</i>	<i>0.001313</i>	<i>0.003125</i>	<i>0.001893</i>
<i>Q1</i>	<i>0.006273</i>	<i>0.000581</i>	<i>0.004762</i>	<i>0.000512</i>	<i>0.005403</i>	<i>0.000701</i>	<i>0.006197</i>	<i>0.000381</i>	<i>0.003975</i>	<i>0.001343</i>	<i>0.002228</i>	<i>0.000982</i>	<i>0.002867</i>	<i>0.001360</i>
<i>Q3</i>	<i>0.009813</i>	<i>0.000771</i>	<i>0.007298</i>	<i>0.000565</i>	<i>0.008163</i>	<i>0.000776</i>	<i>0.007839</i>	<i>0.000452</i>	<i>0.005861</i>	<i>0.001596</i>	<i>0.002626</i>	<i>0.001782</i>	<i>0.003339</i>	<i>0.002532</i>
<i>st.dev.</i>	<i>0.002972</i>	<i>0.000181</i>	<i>0.002699</i>	<i>0.000091</i>	<i>0.003624</i>	<i>0.000147</i>	<i>0.001794</i>	<i>0.000078</i>	<i>0.002345</i>	<i>0.000146</i>	<i>0.001234</i>	<i>0.000580</i>	<i>0.001176</i>	<i>0.000795</i>
Week	A32	A32U	A33	A33U	A34	A34U	A35	A35U	A36	A36U	LEVOG	LEVOGU	PICENE	PICENEU
1	0.003656	0.001817	0.003468	0.000479	0.003510	0.002372	0.002980	0.001670	0.002511	0.002111	0.578784	0.070018	0.000308	0.000074
2	0.003766	0.002752	0.003573	0.001415	0.003624	0.003397	0.003070	0.002108	0.002592	0.002779	0.912092	0.104726	0.000289	0.000070
3	0.004232	0.004031	0.003825	0.003419	0.004849	0.003892	0.003286	0.002689	0.002961	0.002774	0.494980	0.063224	0.000180	0.000043
4	0.004069	0.002563	0.003860	0.001488	0.003910	0.003129	0.003317	0.002817	0.002798	0.002771	0.573836	0.070968	0.000481	0.000116
5	0.003216	0.000838	0.003052	0.000078	0.003085	0.001621	0.002622	0.001407	0.002207	0.001371	0.275305	0.039680	0.000268	0.000064
6	0.003245	0.000479	0.003078	0.000167	0.003110	0.000913	0.002645	0.000301	0.002223	0.000241	0.588703	0.069732	0.000386	0.000093
7	0.003307	0.003213	0.003048	0.002953	0.003082	0.001544	0.003814	0.002619	0.002843	0.002216	0.907073	0.103013	0.000639	0.000153
8	0.003229	0.000543	0.003063	0.001263	0.003093	0.000233	0.002631	0.000268	0.002212	0.000096	0.467131	0.057469	0.000408	0.000098
<i>median</i>	<i>0.003481</i>	<i>0.002190</i>	<i>0.003273</i>	<i>0.001339</i>	<i>0.003310</i>	<i>0.001997</i>	<i>0.003025</i>	<i>0.001889</i>	<i>0.002552</i>	<i>0.002164</i>	<i>0.576310</i>	<i>0.069875</i>	<i>0.000347</i>	<i>0.000083</i>
<i>Q1</i>	<i>0.003241</i>	<i>0.000764</i>	<i>0.003060</i>	<i>0.000401</i>	<i>0.003091</i>	<i>0.001386</i>	<i>0.002641</i>	<i>0.001131</i>	<i>0.002220</i>	<i>0.001089</i>	<i>0.488018</i>	<i>0.061785</i>	<i>0.000284</i>	<i>0.000068</i>
<i>Q3</i>	<i>0.003842</i>	<i>0.002867</i>	<i>0.003636</i>	<i>0.001854</i>	<i>0.003695</i>	<i>0.003196</i>	<i>0.003293</i>	<i>0.002636</i>	<i>0.002809</i>	<i>0.002772</i>	<i>0.668295</i>	<i>0.078979</i>	<i>0.000426</i>	<i>0.000102</i>
<i>st.dev.</i>	<i>0.000379</i>	<i>0.001240</i>	<i>0.000332</i>	<i>0.001153</i>	<i>0.000577</i>	<i>0.001196</i>	<i>0.000394</i>	<i>0.000957</i>	<i>0.000287</i>	<i>0.001039</i>	<i>0.202196</i>	<i>0.020539</i>	<i>0.000134</i>	<i>0.000032</i>

Mosquera

Week	OC	OCU	EC	ECU	BZBFLU	BZBFLUU	BZKFLU	BZKFLUU	BZEPYR	BZEPYRU	INDPYR	INDPYRU	BZGHPL	BZGHPLU
1	11.21	0.58	5.86	0.23	0.001922	0.000096	0.002292	0.000160	0.001458	0.000102	0.005731	0.000974	0.008942	0.005991
2	12.97	0.67	6.58	0.31	0.001899	0.000095	0.001955	0.000137	0.001307	0.000092	0.005421	0.000922	0.008930	0.005983
3	10.29	0.54	7.11	0.27	0.001711	0.000086	0.001883	0.000132	0.001276	0.000089	0.004609	0.000784	0.008267	0.005539
4	8.23	0.43	5.75	0.19	0.002017	0.000101	0.002150	0.000150	0.001406	0.000098	0.004753	0.000808	0.007156	0.004794
5	10.39	0.54	6.03	0.22	0.001455	0.000073	0.001798	0.000126	0.001046	0.000073	0.004589	0.000780	0.007305	0.004894
6	12.00	0.62	7.17	0.31	0.001849	0.000093	0.002440	0.000171	0.001381	0.000097	0.006503	0.001106	0.010312	0.006909
7	9.03	0.47	8.98	0.23	0.002589	0.000129	0.002968	0.000208	0.001759	0.000123	0.005961	0.001013	0.008300	0.005561
8	10.16	0.53	5.68	0.14	0.003370	0.000169	0.004568	0.000320	0.003349	0.000234	0.010483	0.001782	0.012750	0.008542
<i>median</i>	<i>10.34</i>	<i>0.54</i>	<i>6.31</i>	<i>0.23</i>	<i>0.001910</i>	<i>0.000096</i>	<i>0.002221</i>	<i>0.000155</i>	<i>0.001394</i>	<i>0.000098</i>	<i>0.005576</i>	<i>0.000948</i>	<i>0.008615</i>	<i>0.005772</i>
<i>Q1</i>	<i>9.88</i>	<i>0.51</i>	<i>5.83</i>	<i>0.21</i>	<i>0.001815</i>	<i>0.000091</i>	<i>0.001937</i>	<i>0.000136</i>	<i>0.001299</i>	<i>0.000091</i>	<i>0.004717</i>	<i>0.000802</i>	<i>0.008026</i>	<i>0.005378</i>
<i>Q3</i>	<i>11.41</i>	<i>0.59</i>	<i>7.12</i>	<i>0.28</i>	<i>0.002160</i>	<i>0.000108</i>	<i>0.002572</i>	<i>0.000180</i>	<i>0.001533</i>	<i>0.000107</i>	<i>0.006097</i>	<i>0.001036</i>	<i>0.009285</i>	<i>0.006221</i>
<i>st.dev.</i>	<i>1.43</i>	<i>0.07</i>	<i>1.04</i>	<i>0.05</i>	<i>0.000566</i>	<i>0.000028</i>	<i>0.000854</i>	<i>0.000060</i>	<i>0.000679</i>	<i>0.000048</i>	<i>0.001811</i>	<i>0.000308</i>	<i>0.001699</i>	<i>0.001138</i>
Week	TNOHO	TNOHOU	B17NHO	B17NHOU	A17HOP	A17HOPU	S22ABH	S22ABHU	R22ABH	R22ABHU	ABBCHL	ABBCHLU	SITO	SITOU
1	0.000406	0.000033	0.001163	0.000058	0.001175	0.000141	0.000536	0.000091	0.000429	0.000026	0.000319	0.000022	0.000447	0.000021
2	0.000523	0.000042	0.001526	0.000077	0.001546	0.000186	0.000727	0.000124	0.000590	0.000035	0.000379	0.000027	0.000561	0.000028
3	0.000471	0.000038	0.001274	0.000064	0.001330	0.000160	0.000697	0.000118	0.000481	0.000029	0.000291	0.000020	0.000431	0.000020
4	0.000326	0.000026	0.000979	0.000049	0.000989	0.000119	0.000548	0.000093	0.000403	0.000024	0.000193	0.000014	0.000336	0.000017
5	0.000355	0.000029	0.001067	0.000054	0.001057	0.000127	0.000543	0.000092	0.000423	0.000025	0.000200	0.000014	0.000377	0.000017
6	0.000418	0.000034	0.001223	0.000061	0.001238	0.000149	0.000659	0.000112	0.000438	0.000026	0.000225	0.000016	0.000458	0.000021
7	0.000412	0.000033	0.001124	0.000056	0.001254	0.000151	0.000660	0.000112	0.000467	0.000028	0.000197	0.000014	0.000417	0.000020
8	0.000380	0.000031	0.001158	0.000058	0.001110	0.000133	0.000626	0.000106	0.000404	0.000024	0.000229	0.000016	0.000451	0.000024
<i>median</i>	<i>0.000409</i>	<i>0.000033</i>	<i>0.001160</i>	<i>0.000058</i>	<i>0.001206</i>	<i>0.000145</i>	<i>0.000642</i>	<i>0.000109</i>	<i>0.000434</i>	<i>0.000026</i>	<i>0.000227</i>	<i>0.000016</i>	<i>0.000439</i>	<i>0.000020</i>
<i>Q1</i>	<i>0.000374</i>	<i>0.000030</i>	<i>0.001110</i>	<i>0.000056</i>	<i>0.001097</i>	<i>0.000132</i>	<i>0.000547</i>	<i>0.000093</i>	<i>0.000419</i>	<i>0.000025</i>	<i>0.000199</i>	<i>0.000014</i>	<i>0.000407</i>	<i>0.000019</i>
<i>Q3</i>	<i>0.000432</i>	<i>0.000035</i>	<i>0.001236</i>	<i>0.000062</i>	<i>0.001273</i>	<i>0.000153</i>	<i>0.000669</i>	<i>0.000114</i>	<i>0.000471</i>	<i>0.000028</i>	<i>0.000298</i>	<i>0.000021</i>	<i>0.000453</i>	<i>0.000022</i>
<i>st.dev.</i>	<i>0.000059</i>	<i>0.000005</i>	<i>0.000153</i>	<i>0.000008</i>	<i>0.000163</i>	<i>0.000020</i>	<i>0.000069</i>	<i>0.000012</i>	<i>0.000058</i>	<i>0.000003</i>	<i>0.000064</i>	<i>0.000004</i>	<i>0.000061</i>	<i>0.000003</i>

Week	A25	A25U	A26	A26U	A27	A27U	A28	A28U	A29	A29U	A30	A30U	A31	A31U
1	0.010275	0.000720	0.008243	0.000414	0.010394	0.000626	0.008092	0.000405	0.009375	0.000145	0.006438	0.001560	0.008392	0.002283
2	0.013842	0.000969	0.011103	0.000556	0.014127	0.000849	0.009366	0.000469	0.011309	0.000130	0.006790	0.001641	0.008169	0.002220
3	0.013287	0.000931	0.010507	0.000528	0.013602	0.000819	0.010292	0.000515	0.013503	0.000183	0.008925	0.002159	0.013015	0.003532
4	0.008673	0.000608	0.006618	0.000333	0.008137	0.000491	0.005882	0.000295	0.006842	0.000132	0.004802	0.001169	0.006302	0.001720
5	0.010527	0.000737	0.007881	0.000396	0.011338	0.000682	0.007734	0.000387	0.010112	0.000126	0.006582	0.001591	0.011701	0.003169
6	0.012061	0.000845	0.009591	0.000481	0.012872	0.000774	0.009634	0.000482	0.010147	0.000128	0.007090	0.001712	0.007918	0.002152
7	0.009523	0.000667	0.008295	0.000416	0.009921	0.000597	0.007744	0.000388	0.008590	0.000131	0.006478	0.001567	0.007379	0.002008
8	0.011009	0.000771	0.008362	0.000420	0.010031	0.000604	0.007377	0.000369	0.008195	0.000126	0.005822	0.001410	0.007286	0.001982
<i>median</i>	<i>0.010768</i>	<i>0.000754</i>	<i>0.008329</i>	<i>0.000418</i>	<i>0.010866</i>	<i>0.000654</i>	<i>0.007918</i>	<i>0.000396</i>	<i>0.009744</i>	<i>0.000130</i>	<i>0.006530</i>	<i>0.001579</i>	<i>0.008044</i>	<i>0.002186</i>
<i>Q1</i>	<i>0.010087</i>	<i>0.000707</i>	<i>0.008152</i>	<i>0.000409</i>	<i>0.010004</i>	<i>0.000602</i>	<i>0.007645</i>	<i>0.000383</i>	<i>0.008491</i>	<i>0.000127</i>	<i>0.006284</i>	<i>0.001523</i>	<i>0.007356</i>	<i>0.002001</i>
<i>Q3</i>	<i>0.012368</i>	<i>0.000866</i>	<i>0.009820</i>	<i>0.000493</i>	<i>0.013055</i>	<i>0.000785</i>	<i>0.009433</i>	<i>0.000472</i>	<i>0.010437</i>	<i>0.000136</i>	<i>0.006865</i>	<i>0.001659</i>	<i>0.009219</i>	<i>0.002504</i>
<i>st.dev.</i>	<i>0.001681</i>	<i>0.000118</i>	<i>0.001379</i>	<i>0.000069</i>	<i>0.001940</i>	<i>0.000116</i>	<i>0.001334</i>	<i>0.000067</i>	<i>0.001909</i>	<i>0.000018</i>	<i>0.001093</i>	<i>0.000263</i>	<i>0.002182</i>	<i>0.000588</i>
Week	A32	A32U	A33	A33U	A34	A34U	A35	A35U	A36	A36U	LEVOG	LEVOGU	PICENE	PICENEU
1	0.005892	0.000348	0.006185	0.000330	0.004403	0.000552	0.004713	0.000284	0.003082	0.000366	0.274553	0.030328	0.000486	0.000117
2	0.005010	0.000313	0.005465	0.000297	0.003881	0.000490	0.004026	0.000255	0.002307	0.000298	0.201107	0.022262	0.000611	0.000147
3	0.009065	0.000440	0.010639	0.000417	0.007133	0.000828	0.006647	0.000358	0.004063	0.000474	0.358803	0.039624		
4	0.004241	0.000318	0.004162	0.000302	0.003066	0.000432	0.002825	0.000259	0.001997	0.000282	0.238980	0.026410	0.000398	0.000096
5	0.006035	0.000303	0.007085	0.000287	0.004520	0.000537	0.004480	0.000247	0.002627	0.000314	0.190772	0.021123	0.000297	0.000071
6	0.005546	0.000307	0.005217	0.000291	0.003988	0.000495	0.004256	0.000250	0.002609	0.000315	0.260458	0.028754	0.000456	0.000109
7	0.005129	0.000314	0.005875	0.000298	0.004178	0.000515	0.004247	0.000256	0.002519	0.000312	0.247239	0.027311	0.000589	0.000141
8	0.004646	0.000301	0.003982	0.000286	0.002719	0.000397	0.004931	0.000246	0.002709	0.000319	0.294064	0.032436	0.001039	0.000249
<i>median</i>	<i>0.005337</i>	<i>0.000313</i>	<i>0.005670</i>	<i>0.000297</i>	<i>0.004083</i>	<i>0.000505</i>	<i>0.004368</i>	<i>0.000255</i>	<i>0.002618</i>	<i>0.000315</i>	<i>0.253848</i>	<i>0.028033</i>	<i>0.000486</i>	<i>0.000117</i>
<i>Q1</i>	<i>0.004919</i>	<i>0.000306</i>	<i>0.004953</i>	<i>0.000290</i>	<i>0.003677</i>	<i>0.000476</i>	<i>0.004192</i>	<i>0.000249</i>	<i>0.002466</i>	<i>0.000309</i>	<i>0.229512</i>	<i>0.025373</i>	<i>0.000427</i>	<i>0.000103</i>
<i>Q3</i>	<i>0.005928</i>	<i>0.000326</i>	<i>0.006410</i>	<i>0.000309</i>	<i>0.004432</i>	<i>0.000541</i>	<i>0.004768</i>	<i>0.000265</i>	<i>0.002802</i>	<i>0.000331</i>	<i>0.279431</i>	<i>0.030855</i>	<i>0.000600</i>	<i>0.000144</i>
<i>st.dev.</i>	<i>0.001394</i>	<i>0.000044</i>	<i>0.001970</i>	<i>0.000041</i>	<i>0.001243</i>	<i>0.000122</i>	<i>0.001000</i>	<i>0.000035</i>	<i>0.000580</i>	<i>0.000057</i>	<i>0.049969</i>	<i>0.005497</i>	<i>0.000222</i>	<i>0.000053</i>

Table SII. Weekly incremental excess of carbonaceous compounds and ions in Soacha compared to Mosquera (Soacha minus Mosquera).

Week	EC	WIOM	WSOM	Chloride	Sulfate	Nitrate	Sodium	Ammonium	Potassium	Calcium	PM2.5
1	-1.17	-0.21	0.47	0.07	0.06	3.43	0.00	1.09	-0.04	0.01	2.77
2	1.50	2.71	1.79	0.13	0.58	0.15	0.02	0.34	-0.01	0.03	8.16
3	-2.02	2.78	0.23	0.15	-0.20	-0.03	-0.05	-0.02	-0.06	-0.04	-8.44
4	1.00	3.15	1.87	0.03	-0.04	0.08	-0.10	-0.03	-0.01	0.10	2.81
5	-0.32	0.15	1.74	0.09	0.60	0.10	-0.01	0.35	-0.13	-0.12	4.94
6	0.22	0.68	1.58	0.21	0.71	0.01	0.10	0.27	0.05	-0.01	5.58
7	4.78	16.61	3.49	1.28	2.21	-0.22	0.23	1.46	0.19	0.14	30.77
8	3.75	3.66	1.17	0.25	0.78	0.09	0.08	0.09	0.08	0.10	13.71