

Supplementary Materials

Emission inventory processing of biomass burning from global dataset for air quality modeling.

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Figure S1 Black and Organic carbon fractions in PM_{2.5} in biomass burning emissions.

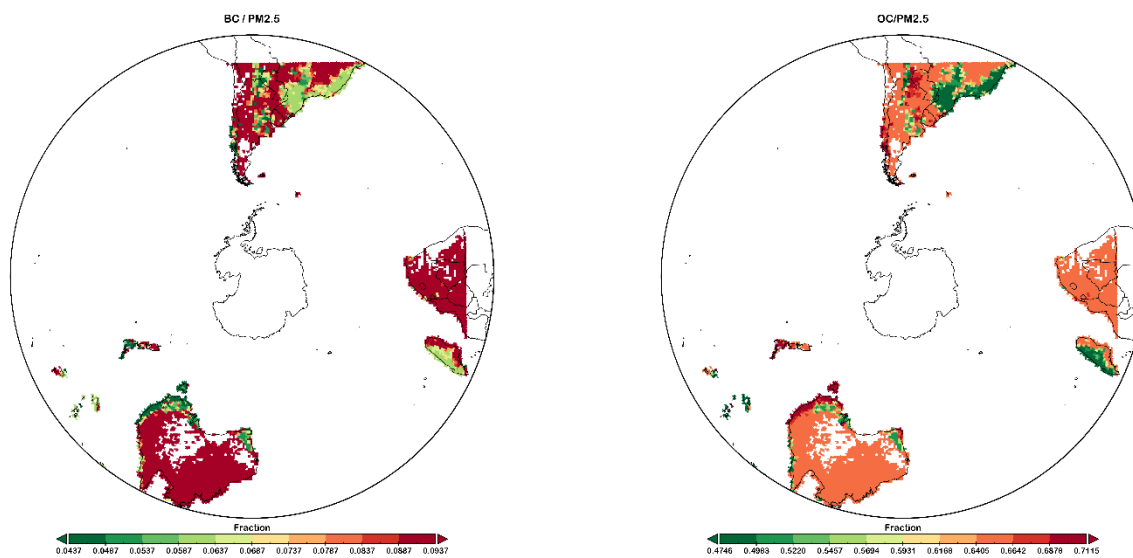


Table S1 Annual biomass burning emissions of BC, OC, PM_{2.5} and PM₁₀ for selected cities during 2014.

Country	City	BC (ton/year)	OC (ton/year)	PM _{2.5} (ton/year)	PM ₁₀ (ton/year)
Chile	Calama	1385	9621	14787	25477
	Valparaíso-Viña del Mar	1627	22528	32049	45570
	Santiago de Chile	3284	22812	35060	60408
	Chillán	1294	16144	23170	33768
	Concepción	487	7924	11136	15284
	Temuco	5082	35448	54449	93690
Argentina	Bahía Blanca	3001	20848	32043	55208
	Mar del Plata	189	1312	2017	3475
	Mendoza	133	921	1416	2439
	Buenos Aires	26	187	299	504
	Córdoba	102	708	1089	1876
	San Miguel de Tucumán	1130	8918	18393	24887
	Salta	452	3391	6849	9286
Paraguay	Asunción	2821	19599	30123	51900
Uruguay	Montevideo	64	441	678	1168
Brazil	Porto Alegre	260	1947	2960	4975
	Curitiba	251	2973	4850	6533
	Sao Paulo	1731	13144	27572	36192
	Campinas	1153	8046	12617	21354
	Rio de Janeiro	2677	20353	42877	56074
	Belo Horizonte	1255	8716	13397	23082
South Africa	Cape Town	455	3161	4858	8370
	Elizabeth Port	919	6382	9808	16899
	Pretoria	120	832	1279	2204
	Bloemfontein	4567	31731	48770	84028
Lesotho	Maseru	505	3509	5394	9293
Namibia	Windhoek	1076	7476	11490	19796
Zimbabwe	Bulawayo	2662	18494	28424	48973
	Harare	4202	29195	44871	77312
Mozambique	Maputo	7085	49221	75650	130343
Madagascar	Antananarivo	1517	11158	21249	30318
New Zealand	Auckland	140	974	1497	2580
	Christchurch	682	5075	7879	13230
	Timaru	586	4537	7685	12540
Australia	Melbourne	108	1758	2470	3391
	Canberra	4117	66966	94121	129182
	Sidney	629	10227	14373	19726
	Brisbane	539	6331	9136	13516
	Perth	2272	16060	25111	42845
	Darwin	4892	33987	52236	90001