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Supplement of

Global tropospheric halogen (Cl, Br, I) chemistry and its impact on oxidants

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Table S1. Site locations of the ozone sonde observations.

Site name	Latitude	Longitude	Site name	Latitude	Longitude	Site name	Latitude	Longitude
Praha	50.0	14.4	Churchill	58.7	-94.1	Tsukuba	36.1	140.1
Wallops Island	37.9	-75.5	Uccle	50.8	4.4	Yarmouth	43.9	-66.1
Maxaranguape (Natal)	-5.5	-35.3	Taipei	25.0	121.4	Kelowna	49.9	-119.4
Easter Island	-27.2	-109.4	La RÃ©union	-21.1	55.5	Goose Bay	53.3	-60.4
Irene	-25.9	28.2	NAHA	26.2	127.7	Alert	82.5	-62.3
Natal	-5.4	-35.4	Lerwick	60.1	-1.2	Eureka	80.0	-85.9
Suva	-18.1	178.4	SAPPORO	43.1	141.3	Resolute	74.7	-95.0
Ushuaia	-54.9	-68.3	Boulder ESRL HQ	39.9	-105.2	Samoa (Cape Matatula)	-14.2	-170.6
New Delhi	28.5	77.1	Lauder	-45.0	169.7	Pago Pago	-14.2	-170.6
Legionowo	52.4	21.0	Macquarie Island	-54.5	158.9	Sepang Airport	2.7	101.3
San Pedro	9.9	-84.0	Nairobi	-1.3	36.8	Petaling Jaya	2.7	101.3
Hanoi	21.0	105.8	Payerne	46.5	6.6	King's Park	22.3	114.2
Vigna di valle	42.1	12.2	Valentia Observatory	51.9	-10.3	De Bilt	52.1	5.2
Davis	-68.6	78.0	Madrid	40.5	-3.6	Showa Station	-69.0	39.6
Broadmeadows	-37.7	145.0	Edmonton	53.5	-114.1	Paramaribo	5.8	-55.2
Marambio	-64.2	-56.6	Ascension Island	-7.6	-14.2			

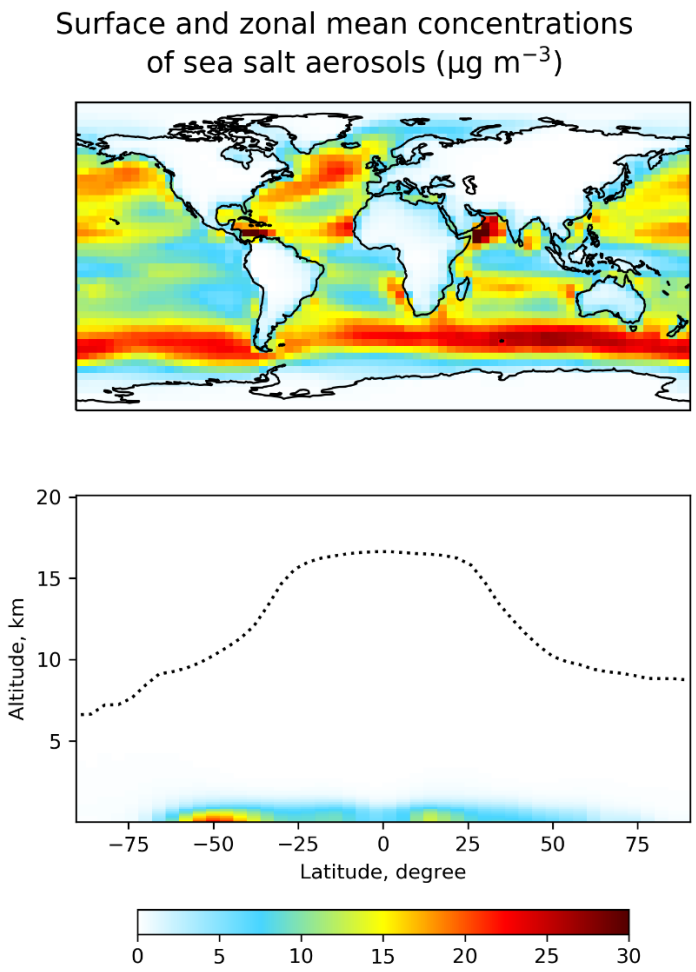

Figure S1. Global distributions of annual mean sea salt aerosols concentrations in GEOS-Chem. Upper panel shows surface air concentrations. Lower panel shows zonal mean concentrations as a function of latitude and altitude. Dashed lines indicate the tropopause.