EUROPE	Andenes(955); Andenes; Arcachon(1506); Arcachon; Aubiere_LAMP(1752); Aubiere_LAMP; Autilla(1718); Autilla; Avignon(3092); Avignon; BORDEAUX(394); BORDEAUX; Barcelona(3641); Barcelona; Bari_University(432); Bari_University; Bayfordbury(795); Bayfordbury; Belsk(2523); Belsk; Berlin_FUB; Birkenes(1162); Birkenes; Brno_Airport(353); Brno_Airport; Brussels(1720); Brussels; Bucharest_Inoe(1324); Buc
	pentras; Chilbolton(1878); Chilbolton; Coruna(1381); Coruna; Creteil(353); Creteil; Dunkerque(2264); Dunkerque; Edinburgh(647); Edinburgh; Eforie(1193); Eforie; Ersa(2432); Ersa; FZJ-JOYCE(1111); FZJ-
	JOYCE; Fontainebleau(1014); Fontainebleau; Frioul(1360); Frioul; Gotland(512); Gotland; Hamburg(2258); Hamburg; Helgoland(1166); Helgoland; Helsinki(1353); Helsinki; HohenpeissenbergDWD(1176); HohenpeissenbergDWD; Hyytiala; IMAA_Potenza(2262); IMAA_Potenza; ISDGM_CNR(932); ISDGM_CNR; Iasi_LOASL(1095); Iasi_LOASL; Ispra(2833); Ispra; Karlsruhe(1497); Karlsruhe; Kuopio(1418);
	Kuopio; Kyiv(2355); Kyiv; LAQUILA_Coppito(907); LAQUILA_Coppito; Laegeren(1524); Laegeren; Le_Fauga(1264); Le_Fauga; Lecce_University(3463); Lecce_University; Leipzig(2893); Leipzig; Lille(3399); Lille; Loftus MO(407); Loftus MO; Madrid(1946); Madrid; Magurele Inoe(893); Magurele Inoe; Mainz(2393); Mainz; Martova(869); Martova; MetObs Lindenberg(668); MetObs Lindenberg; Minsk(2708); Minsk; Mod-
	LOUIS, MO(407). LOUIS, MO(3004) and MO(2078); Moscow, MSU MO(2978); MO(2978); Moscow, MSU MO(2978); Moscow, MS
	OHP_OBSERVATOIRE; Oostende(1810); Oostende; Oxford(334); Oxford; Palaiseau(3177); Palaiseau; Palencia(3306); Palencia; Paris; Poprad-Ganovce(692); Poprad-Ganovce; Porquerolles(737); Porquerolles; Raciborz/(683); Raciborz/, Rame_Head(662); Rame_Head; Rome_La_Sapienza(386); Rome_La_Sapienza; Rome_Tor_Vergata(3617); Rome_Tor_Vergata(3618); SMHI; Sevastopol(1784); Sevastopo
	Seysses; Sirmione_Museo_GC(571); Sirmione_Museo_GC; Sodankyla(886); Sodankyla; Strzyzow(871); Strzyzow; The_Hague(512); The_Hague; Thessaloniki(3175); Thessaloniki; Timisoara; Toravere(2628); Timisoara; Toraver
	Toravere; Toulon(2604); Toulon; Toulouse_MF(1070); Toulouse_MF; Valladolid(1668); Valladolid; Venise(1747); Venise; Vienna_UNIVIE(476); Vienna_UNIVIE; Villefranche(2239); Villefranche; Watnall_MO(471); Watnall_MO; Wytham_Woods(646); Wytham_Woods; Xanthi(721); Xanthi; Zaragoza(1565); Zaragoza; Zvenigorod(1315); Zvenigorod
ASIA	Anmyon(1655); Anmyon; Bac_Giang(834); Bac_Giang; Bac_Lieu(1231); Bac_Lieu; Baengnyeong(895); Baengnyeong; Bahrain(1126); Bahrain; Beijing(3714); Beijing; Beijing-CAMS(1382); Beijing-CAMS; Bhola(873);
	Bhola; Chen-Kung Univ(2494); Chen-Kung Univ; Chiang Mai Met Sta(2156); Chiang Mai Met Sta; Chiayi(931); Chiay; Chiayi; Chiba University(657); Chiba University; Dhabi(803); Dhabi; Dhadnah(1533); Dhadnah; Dhaka University(1304); Dhaka University; Dongsha Island(754); Dongsha Island(7
	Gangneung_WNU(1242); Gangneung_WNU; Gosan_SNU(1279); Gosan_SNU; Gual_Pahari(390); Gual_Pahari; Gwangju_GIST(2152); Gwangju_GIST, Hamim(865); Hamim; Hankuk_UFS(851); Hankuk_UFS
	Hokkaido University(614); Hokkaido University; Hong Kong PolyU(1382); Hong Kong PolyU(1382); Hong Kong Sheung(501); Hong Kong Sheung; Irkutsk(1347); Irkutsk; Jaipur(1905); Jaipur; Kaashidhoo(475); Kaashidhoo; Kanpur(4087); Kanpur; Kaohsiung(325); Kaohsiung(325); Kaohsiung(325); Kaohsiung(315); Karachii(1558); Karachii; Kuching(619); Kuching; Kuwait_University(422); Kuwait_University; Lahore(1546); Lahore; Luang Namtha(1113); Luang Namtha;
	Lumbini(508); Lumbini; MALE(325); MALE; MCO-Hanimaadhoo(1763); MCO-Hanimaadhoo; Manila_Observatory(1440); Manila_Observatory; Masdar_Institute(1324); Masdar_Institute; Mezaira(2245); Mezaira; Mukdahan(1339); Mukdahan; Mussafa(887); Mussafa; NCU Taiwan(1290); NCU Taiwan; ND Marbel Univ(1209); ND Marbel Univ; NGHIA DO(705); NGHIA DO; NhaTrang(877); NhaTrang; Niigata(490); Niigata;
	Nong Khai(475); Nong Khai; Noto(1323); Noto; Osaka(3427); Osaka; Pantnagar(365); Pantnagar; Pimai(738); Pimai; Pokhara(2060); Pokhara; Pontianak(1092); Pontianak; Pune(1424); Pune; Pusan_NU; Pusan_NU;
	Seoul_SNU(1448); Seoul_SNU; Shirahama(3032); Shirahama; Silpakorn_Univ(2184); Silpakorn_Univ; Singapore(2281); Singapore; Solar_Village(3925); Solar_Village; Son_La(368); Son_La; Songkhla_Met_Sta(1381); Songkhla_Met_Sta; Tai_Ping(461); Tai_Ping; Taihu(1422); Taihu; Taipei_CWB(1894); Taipei_CWB; Tomsk(1453); Tomsk, 22(891); Tomsk_22; USM_Penang(1260); USM_Penang; Ubon_Ratchathami(1139);
NAMERICA	Ubon_Ratchathani; Ussuriysk(1863); Ussuriysk; Vientiane(328); Vientiane; XiangHe(3250); XiangHe; Xinglong(1293); Xinglong; Yekaterinburg(1599); Yekaterinburg; Yonsei_University(2073); Yonsei_University
NAMERICA	ARM_Oliktok_AK(324); ARM_Oliktok_AK; Ames(2080); Ames; Appledore_Island(403); Appledore_Island; BONDVILLE(3970); BONDVILLE; Bakersfield(881); Bakersfield; Bermuda(999); Bermuda; Billerica(2869); Billerica; Bonanza_Creek(2090); Bonanza_Creek; Bratts_Lake(3021); Bratts_Lake; Brookhaven(813); Brookhaven; CARTEL(3322); CARTEL; CCNY(2678); CCNY; COVE(1723); COVE; CalTech(1192);
	CalTech; Camaguey(1196); Camaguey; Chapais(1542); Chapais, Chequamegon(569); Chequamegon; Churchill(1300); Churchill; Columbia_SC(526); Columbia_SC, Dayton(1064); Dayton; Dry_Tortugas(1140); Dry_Tortugas; EPA-Res_Triangle_Pk(1217); EPA-Res_Triangle_Pk; Easton_MDE(886); Easton_MDE; Easton_Airport(711); Easton_Airport; Egbert(3819); Egbert; El_Segundo(1276); El_Segundo; Fort_McKay(844);
	Fort_McKay; Fort_McMurray(2079); Fort_McMurray; Frenchman_Flat(1759); Frenchman_Flat(175
	gia_Tech; Grand_Forks(891); Grand_Forks; HJAndrews(1848); HJAndrews; Halifax(2885); Halifax; Harvard_Forest(1744); Harvard_Forest; Hermosillo(735); Hermosillo; Howland(1618); Howland; IMPROVE-MammothCave(1087); IMPROVE-MammothCave; Iqaluit(546); Iqaluit; KONZA_EDC(2450); KONZA_EDC; Kangerlussuaq(1153); Kangerlussuaq: Kellogg_LTER(1214); Kellogg_LTER; Kelowna_UAS(2350);
	Kelowna UAS; Key_Biscayne(1840); Key_Biscayne(1840); Key_Biscayne(1246); Key_Biscayne2(1246); Key_Biscayne2; Kuujjuarapik(616); Kuujjuarapik; La_Jolla(1927); La_Jolla; MD_Science_Center(4440); MD_Science_Center; Maricopa(2052); Maricopa; Mingo(721); Mingo; Missoula(2889); Missoula; Modesto(526); Modesto; Monterey(2111); Monterey; NASA_KSC(474); NASA_KSC; NASA_LaRC(1595); NASA_LaRC; NEON-Disney(827); NEON-
	Disney; NEON_CLBJ(539); NEON_CLBJ; NEON_GRSM(486); NEON_GRSM; NEON_HEAL(329); NEON_HEAL; NEON_Harvard(835); NEON_Harvard; NEON_KONZ(721); NEON_KONZ; NEON_OAES(896);
	NEON_OAES; NEON_ORNL(898); NEON_ORNL; NEON_OSBS(891); NEON_OSBS; NEON_SCBI(798); NEON_SCBI; NEON_SERC(665); NEON_SERC; NEON_TALL(930); NEON_TALL; NEON_UKFS(702); NEON_UKFS(702); NEON_UKFS(702); NEON_UNDE; NEON
	Rimrock; (3613); Rimrock; Rogers_Dry_Lake; (1572); Rogers_Dry_Lake; SDSU_IPLab(326); SDSU_IPLab; SEARCH-Centreville(749); SEARCH-Centreville; SEARCH-OLF; SEARCH-OLF; SEARCH-VILLE(1572); Rogers_Dry_Lake; SDSU_IPLab(326); SDSU_IP
	SEARCH-Yorkville; SERC(3062); SERC; SP_Bayboro(1122); SP_Bayboro; Sable_Island(490); Sable_Island; San_Nicolas(1179); San_Nicolas; Santa_Monica_Colg(1456); Santa_Monica_Colg; Saturn_Island(2725); Saturn_Island; Sigma_Space_Corp(466); Sigma_Space_Corp; Sioux_Falls(2719); Sioux_Falls; St_Louis_University(969); St_Louis_University; Stennis(734); Stennis; Tallahassee(1102); Tallahassee; Thompson(559); Thompson(5
	son; Thompson_Farm(2321); Thompson_Farm; Thule(1216); Thule; Toronto(2501); Toronto; Trinidad_Head(1918); Trinidad_Head; Tucson(2161); Tucson; Tudor_Hill(1061); Tudor_Hill; UAHuntsville; UCLA(670); UCLA; UCSB(2452); UCSB; UH_Coastal_Center(647); UH_Coastal_Center; UMBC(1585); UMBC; U_of_Wisconsin_SSEC(1054); U_of_Wisconsin_SSEC; Univ_of_Houston(2446); Univ_of_Houston;
	Univ_of_Lethbridge(1388); Univ_of_Lethbridge; Walker_Branch(1861); Walker_Branch; Wallops(3832); Wallops; Waskesiu(1656); Waskesiu; Yellowknife_Aurora(982); Yellowknife_Aurora; Yuma(862); Yuma
SAMERICA	Abracos_Hill(1120); Abracos_Hill; Alta_Floresta(3666); Alta_Floresta(3666); Alta_Floresta(3666); Alta_Floresta(3666); Alta_Floresta(3666); Alta_Floresta(3666); Belterra(876); Belterra(876); Belterra(876); Belterra(876); CEILAP-Ba(4209); CEILAP-Ba; CEILA
	MIRANDA(3233); CUIABA-MIRANDA; Campo_Grande_SONDA(1670); Campo_Grande_SONDA; Cape_San_Juan(1627); Cape_San_Juan; Cordoba-CETT(1999); Cordoba-CETT; Guadeloup(2319); Guadeloup; Ita-
	juba(482); Itajuba; Ji_Parana_SE(1857); Ji_Parana_SE; La_Parguera(3943); La_Parguera; Manaus_EMBRAPA(966); Manaus_EMBRAPA; NEON_GUAN(420); NEON_GUAN(420); Petrolina_SONDA(1327); Petrolina_SONDA; Pilar_Cordoba(354); Pilar_Cordoba; Puerto_Madryn(423); Puerto_Madryn; Ragged_Point(2235); Ragged_Point; Rio_Branco(2901); Rio_Branco; SANTA_CRUZ(713); SANTA_CRUZ; SANTA_CRUZ_UTEPSA(1425);
	SANTA_CRUZ_UTEPSA; San_Cristobal_USFQ(418); San_Cristobal_USFQ; Santiago_Beauchef(628); Santiago_Beauchef; Sao_Martinho_SONDA(875); Sao_Martinho_SONDA; Sao_Paulo(2253); Sao_Paulo; Surinam(353); Surinam; Trelew(2861); Trelew; Tuxtla_Gutierrez(1054); Tuxtla_Gutierrez(1054
	UdeConcepcion-CEFOP
NAFRICA	ATHENS-NOA(1954); ATHENS-NOA; AgiaMarina_Xyliatout(1079); AgiaMarina_Xyliatou: Agoufou; Badajou7(33); Badajou; Banizoumbou(5715); Banizoumbou; Ben_Salem(1382); Ben_Salem; Bida Balm(374); Bidi Bahm(374); Bidi Bahm, Bida(1639); Bidica_Burjassot(3044); Burjassot(3044); Burjassot(3
	DMN_Maine_Soroa (1094); DMN_Maine_Soroa; Dahkla (639); Dahkla; Dakar (4117); Dakar; Djougou (692); Djougou; ETNA (1287); ETNA; Eilat (2124); Eilat; El_Arenosillo (3420); El_Are
	IER_Cinzana; IMC_Oristano(905); IMC_Oristano; IMS-METU-ERDEMLI(3627); IMS-METU-ERDEMLI; Ilorin(3231); Ilorin; KAUST_Campus(868); KAUST_Campus; Koforidua_ANUC(533); Koforidua_ANU
	Kuwait_University(422); Kuwait_University; LAMTO-STATION(422); LAMTO-STATION(422); LAMTO-STATION(422); Lampedusa(2243); Lampedusa(2243); Lampedusa(2243); Lampedusa(2243); Lampedusa(2163); Malaga; Medenine-IRA(1216); Medenine-IRA; Messina(1965); Messina; Murcia(1966); Murcia; Nes_Ziona(3168); Nes_Ziona; Ouagadougou(2039); Ouagadougou; Oujda(1027); Oujda; Palma_de_Mallorca(2001);
	Palma_de_Mallorca; Ras_El_Ain(420); Ras_El_Ain; SAGRES(309); SAGRES; SEDE_BOKER(6046); SEDE_BOKER; Saada(2974); Saada; Santa_Cruz_Tenerife(3639); Santa_Cruz_Tenerife; Solar_Village(3925);
	Solar_Village; TUBITAK_UZAY_Ankara(468); TUBITAK_UZAY_Ankara; Tabernas_PSA-DLR(1225); Tabernas_PSA-DLR; Technion_Haifa_IL(574); Technion_Haifa_IL; Tizi_Ouzou(868); Tizi_Ouzou; Tunis_Carthage; Weizmann_Institute(939); Weizmann_Institute; Zinder_Airport(2278); Zinder_Airport
AUSTRALIA	ARM_Darwin(966); ARM_Darwin; Birdsville(2369); Birdsville; Brisbane-Uni_of_QLD(510); Brisbane-Uni_of_QLD; Canberra(3229); Canberra; Darwin(706); Darwin; Fowlers_Gap(1044); Fowlers_Gap; Jabiru(3002); Jabiru; Lake Argyle; Lake Argyle; Lake Argyle; Lake Lefroy(1179); Lake Lefroy; Rottnest Island(484); Rottnest Island(1710); Tinga Tingana Tingana
Cable 1 T	
Table 1. Li	st of observation stations (and number of measurements) used for the computation of AOD and AE regional time series.

Region	Sites
EUROPE	Andenes(920); Andenes; Arcachon(674); Arcachon; Aubiere_LAMP(1166); Aubiere_LAMP; Autilla(1710); Autilla; Bari_University(431); Bari_University; Bayfordbury(784); Bayfordbury(784); Bels Berlin_FUB; Birkenes(1159); Birkenes; Brno_Airport(352); Brno_Airport; Brussels(1667); Brussels; Bucharest, Inoe(1322); Bucharest, Inoe
ASIA	Abu_A_Bukhoosh(989); Abu_A_Bukhoosh; Anmyon(1639); Anmyon(
NAMERICA	XiangHe; Yekaterinburg; 1556; Yekaterinburg; Yonse; University (2051); Appledore Island; BONDVILLE; Bakersfield(845); Bakersfield; Bermuda; Billerica; Honanza, Creck; Bard, Olikoka, AK, Ak(322); ARM, Olikoka, AK, Akmes(2069); Ames. Appledore; Island; BONDVILLE; Bakersfield(845); Bakers
SAMERICA	Walker Branch (1824); Walker Branch; Wallops (3299); Wallops, Waskesiu (1630); Waskesiu; Wave CIS_Site_CSI_6 (1857); Wave CIS_Site_CSI_6; Yellowknife_Aurora(75); Yellowknife_Aurora(75); Yellowknife_Aurora(75); Yellowknife_Aurora(75); Yellowknife_Aurora(75); Yellowknife_Aurora(75); Yellowknife_Aurora(75); Yellowknife_Aurora(75); Yellowknife_Aurora(83); Belterra(839); CEILAP-Neuquen; CEILAP-Neuq
NAFRICA	Trelew (2681); Trelew: Tuxtla_Gutierrez/991; Tuxtla_Gutierrez; UPC-GEAB-Valledupar(380); UPC-GEAB-Valledupar; UPRM_Lidar_Lab; UdeConcepcion-CEFOP(392); UdeConcepcion-CEFOP ATHENS-NOA; AgiaMarina_Xyliatou(461); AgiaMarina_Xyliatou; Bedajaz(733); Badajoz(733); Eljar; Elyora(2320); Elyora; Elyora(2320); Elyora; FORTH_CRETE; Gozo(493); Gozo; Granada(3007); Granada; Hada_El-Sham; IMS-METU-ERDEMLL[0869]; Badajoz(733); Badajo
AUSTRALIA	ARM_Darwin(953); ARM_Darwin; Birdsville(2330); Birdsville; Brisbane-Uni_of_QLD(502); Brisbane-Uni_of_QLD(502); Brisbane-Uni_of_QLD(502); Brisbane-Uni_of_QLD(502); Brisbane-Uni_of_QLD(502); Brisbane-Uni_of_QLD(502); Brisbane-Uni_of_QLD(502); Brisbane-Uni_of_QLD(502); Brisbane-Uni_of_QLD(502); Canberra(3155); Canberra; Darwin(601); Darwin; Fowlers_Gap(1025); Fowlers_Gap; Jabiru(2674) Jabiru; Lake_Argyle(3107); Lake_Argyle; Lake_Lefroy(932); Lake_Lefroy; Lucinda(932); Lucinda; Rottnest_Island(473); Rottnest_Island(102); Tinga_Tingana

Region	Sites
EUROPE	Aspvreten(6389); Aspvreten; Auchencorth Moss; (4315); Auchencorth Moss; Bilthoven(360); Bilthoven; Birkenes II; Bredkälen(2751); Bredkälen; Cabauw Wielsekade(2024); Cabauw Wielsekade(2024); Cabauw Wielsekade(2024); Cabauw Zijdeweg(786); Cabau
NAMERICA	Acadia National Park-McFarland Hill (ME98)(211); Acadia National Park-McFarland Hill (ME98); Addison Pinnacle(195); Addison Pinnacle; Agua Tibia(240); Agua Tibia; Arendsville (PA00)(195); Arendsville (PA00)(195); Arendsville (PA00); Atlanta; Badlands NP(210); Badlands NP; Baltimore; Birmingham(8); Birmingham; Blue Mounds(156); Blue Mounds; Bondville (IL.11)(196); Bondville (IL.11); Boundary Waters Canoe Area(210); Boundary Waters Canoe Area; Breton(132); Breton: Bridgiton (ME02/24); Bridgton (ME02/24)

Table 3. Same as Table 1 for PM2.5

Region	Sites
EUROPE	Aspvreten(663); Aspvreten; Auchencorth Moss(3434); Auchencorth Moss; Beromünster(900); Beromünster; Birkenes II(628); Birkenes II; Braganca(49); Braganca; Bredkälen(2808); Bredkälen; CEH Edingburgh(49); CEH Edingburgh; Cabauw Wielsekade(2050); Cabauw Wielsekade; Cabo de Creus(190); Cabo de Creus; Chilbolton Observatory(1018); Chilbolton Observatory; De Zilk(3994); De Zilk; Deuselbach(1947); Deuselbach(194
NAMERICA	Acadia National Park-McFarland Hill (ME98)(210); Acadia National Park-McFarland Hill (ME98); Addison Pinnacle(192); Addison Pinnacle; Agua Tibia(243); Agua Tibia; Arendtsville (PA00)(195); Arendtsville (PA00); Atlanta(40); Atlanta; Badlands NP(211); Badlands NP; Baltimore(78); Baltimore; Birmingham(88); Birmingham; Blue Mounds(155); Blue Mounds; Bondville (IL11); Boundary Waters Canoe Area; Ententical Tidgoton (ME02)(239); Bridgoton (ME02); Brigantine NWR; Cadiz; Calay; Cadiz; Caney Creek(221); Caney Cod(185); Cape Cod; Cape Romain National Wildlife Refuge (209); Cape Romain National Wildlife Refuge; Casco Bay-Wolfe's Neck Farm (ME96)(197); Casco Bay-Wolfe's Neck Farm (ME96); Cedar Bluff(156); Cedar Bluff; Chassahowitzka National Wildlife Refuge; (FL05)(207); Chassahowitzka National Wildlife Refuge; (FL05)(207); Chassahowitzka National Wildlife Refuge; (FL05); Cherokee Nation; Chicago(31); Chicago; Cohutta(174); Cohutta; Columbia Gorge 1(195); Columbia Gire (FL05)(207); Chassahowitzka National Wildlife Refuge; (FL05)(207); Chessahowitzka National Wildlife Refuge; (FL05); Cherokee Nation; Chicago(31); Chicago; Cohutta(174); Cohutta; Columbia Gorge 1(195); Columbia Gorge 1(195)
NAFRICA	Agia Marina Xyliatou ; Cyprus Atmospheric Observatory (5271); Agia Marina Xyliatou ; Cyprus Atmospheric Observatory; Aliartos(218); Aliartos; Barcarrota(5004); Barcarrota; Cairo(1717); Can Clompart(17); Can Llompart; Doñana; Finokalia(1313); Finokalia; Hurghada(784); Hurghada; Lamezia Terme(625); Lamezia Terme; Mahón(2331); Mahón; San Pablo de los Montes(2860); San Pablo de los Montes; Zarra(5211); Zarra

Table 4. Same as Table 1 for PM10

EUROPE	Anholt(323); Anholt; Barcombe Mills(275); Barcombe Mills; Birkenes I and II(432); Birkenes I and II; Bredkälen(428); Bredkälen; Cabo de Creus(204); Cabo de Creus; Chopok(416); Chopok; Danki(196); Danki; Diabla
EUROFE	Grou(73); Diabla Gora; Donon(216); Donon; Els Torms; Eskdalemuir(338); Eskdalemuir; Glen Dye(176); Glen Dye; High Muffles; Hoburgen(336); Hoburgen; Iraly(213); Iraly [kish(234);
	Iskrba; Ispra(238); Ispra; Janiskoski(279); Janiskoski; Jarczew(358); Jarczew; K-puszta(419); K-puszta; Kollumerwaard(216); Kollumerwaard; Kosetice(258); Kosetice; Kårvatn(432); Kårvatn; La Crouzille(228); La Crouzille;
	Leba(269); Leba; Logrofio(156); Logrofio; Lough Navar(280); Lough Navar; Melpitz(184);
	Råö(432); Rörvik-Råö; Sniezka(297); Sniezka; Strath Vaich Dam(174); Strath Vaich Dam; Svratouch(218); Svratouch; Tange(423); Tange; Tustervatn(430); Tustervatn; Utö(418); Utő; Vavihill(369); Vavihill; Virolahti(296);
ACTA	Virolahti; Virolahti II(12); Virolahti II; Vredepeel(252); Vredepeel; Yarner Wood(241); Yarner Wood; Ähtäri I-II(432); Ähtäri I-II(432); Ähtäri I-II
ASIA	Baengnycong_Island(32); Baengnycong_Island; Cheju(148); Cheju; Chiang Mai (Mae Hia)(153); Chiang Mai (Mae Hia); Hoa Binh(188); Hoa Binh; Insii(147); Imsii; Kanghwa(148); Kanghwa; Khanchanaburi (Vachiralong-korm Dam); Listywanka(191); Listywanka; Mondy(177); Mondy; Oki(162); Oki; Pirmorskaya; (187); Pirmorskaya; Rishiri(152); Rishiri; Tanah Rata(188); Tanah Rata
NAMERICA	Abington(251); Abington; Acadia NP(203); Acadia NP; Acadia NP; Acadia NP; Acadia NP; Acadia NP; Acadia NP; Addison_Pinnacle(111); Addison_Pinnacle; Agua_Tibia(175); Agua_Tibia; Algoma(335); Algoma; Alhambra(318); Alh
	bra; Ann Arbor(305); Ann Arbor; Arches_NP(27); Arches_NP; Arendstville(327); Arches_NP(235); Barrier_Lake(58); Barrier_Lake; Beaufort(254); Beaufort(254); Beaufort, Beltsville(288); Beltsville; Big Bend NP(235); Big Bend NP; Big_Bend_NP(305); Big_Bend_NP; Blackwater NWR(229); Blackwater NWR; Bliss_SP_(TRPA)(275);
	Bliss SP (TRPA); Blue Mounds (160); Blue Mounds; Bondwille; Bosque del Apache (183); Bosque del Apache; Boulder Lake (76); Boulder Lake (76); Boundary Waters Cance Area (773); Boundary Waters Cance (773); Bound
	ary_Waters_Canoe_Area; Breton(51); Breton; Breton; Breton_Island(93); Breton_Island(93); Bridger_Wilderness(310); Bridger_Wilderness; Bridgton(176); Bridgton; Brigantine_NWR(286); Brigantine_NWR; Brooklyn_Lake(101);
	Brooklyn_Lake; Bryce_Canyon_NP(306); Bryce_Canyon_NP: Cabinet_Mountains(184); Cabinet_Mountains; Caddo Valley(302); Caddo Valley; Cadiz(226); Cadiz; Candor(291); Candor; Caney_Creek(183); Caney_Creek; Canyonlands NP(248); Canyonlands NP(248); Canyonlands NP, Canyonlands NP, Captor (Baryonlands NP, Captor) Rep (701); Canyonlands NP, Captor) Rep (701); Canyonlands NP, Captor) Rep (701); Captor
	Casco Bay; Cedar Creek(323); Cedar Creek; Cedar Bluff(163); Cedar Bluff; Centennial(312); Centennial; Chalk River(312); Chapais(286); Chapais; Chasashowitzka NWR(272); Chassahowitzka NWR(272); Chaspaic NWR(272)
	itzka_NWR; Cherokee_Nation(91); Cherokee_Nation; Chiricahua NM(309); Chiricahua NM; Chiricahua N
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	ett(242); Crockett; Death_Valley_NP(215); Death_Valley_NP, Deer Creek(313); Deer Creek(313)
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	Great Basin_NP; Great_Gulf_Wilderness(200); Great_Gulf_Wilderness; Great_River_Bluffs(160); Great_River_Bluffs; Great_Sand_Dunes_NM(312); Great_Sand_Dunes_NM; Great_Sand_Dunes_N
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	Saguaro NN; Saguaro West(168); Saguaro West; Salamonie Reservoir(300);
	San Gorgonio, Wilderness(293); San Gorgonio, Wilderness; San Pedro, Parks (180); San Pedro Parks; San Rafael(184); San Rafael; Sand Mountain(296); Sand Mountain(270); Saturnat; Saturoth, NF(244); Santoth NF, Scovillet(56); Scoville; Senev(193); Senev(58); Senev(194); Senev(58); Senev(194); Senev(58); Senev(195); Senev(58); Senev(195); Senev(58); Sene
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	ity(172); Trinity; UL_Bend(190); UL_Bend; Unionville(313); Unionville; Upper_Buffalo_Wilderness(284); Upper_Buffalo_Wilderness; Viking_Lake(162); Viking_Lake; Vincennes(335); Vincennes; Voyageurs NP(228);
	Voyageurs NP; Voyageurs_NP_1(40); Voyageurs_NP_1: Voyageurs_NP_2(189); Voyageurs_NP_2: WY(300); WY; Walker_River_Paiute_Tribe(29); Walker_River_Paiute_Tribe(30); Wenimuche_Wilderness; Wheeler_Peak[174]; Wheeler Peak; White_Australin(166); White_Davas(189); White_Pass(189); Whit
	Mountain(104); Whiteface Mountain; Wichita Mountains (178); Wichita Mou
	Yellowstone_NP_1(72); Yellowstone_NP_1; Yellowstone_NP_2(228); Yellowstone_NP_2; Yosemite_NP - Turtleback Dome(234); Yosemite_NP - Turtleback Dome; Yosemite_NP; Zion(52); Zion; Zio
NAFRICA	Zion_Canyon(149); Zion_Canyon Barcarrota(189); Barcarrota; Víznar(240); Víznar; Zarra(192); Zarra

Table 5. Same as Table 1 for SO4 concentration

Region

Sites

Region	Sites
EUROPE	Birkenes II(3120); Birkenes II; Cabauw Zijdeweg(1578); Cabauw Zijdeweg; Hohenpeissenberg(4170); Hohenpeissenberg; Hyytiälä(2479); Hyytiälä; Ispra(4046); Ispra; K-puszta(2915); K-puszta; Kosetice (NOAK)(1464);
	Kosetice (NOAK); Mace Head(4115); Mace Head; Melpitz(1075); Melpitz; Observatoire Perenne de l'Environnement(1330); Observatoire Perenne de l'Environnement; Pallas (Sammaltunturi)(4123); Pallas (Sammaltunturi);
	SIRTA Atmospheric Research Observatory (588); SIRTA Atmospheric Research Observatory; Vavihill (412); Vavihill
NAMERICA	Acadia National Park-McFarland Hill (ME98)(1352); Acadia National Park-McFarland Hill (ME98); Bondville Boundary Waters Canoe Area (330); Boundary Waters Canoe Area; Cedar Bluff(607); Cedar
	Bluff; Columbia River Gorge(1780); Columbia River Gorge; Glacier National Park-Fire Weather Station (MT05)(583); Glacier National Park-Fire Weather Station (MT05); Great Gulf Wilderness(524); Great Gulf Wilderness;
	Great Smoky Mountains NP(1873); Great Smoky Mountains NP; James River Face Wilderness(442); James River Face Wilderness; Mammoth Cave National Park-Houchin Meadow(1490); Mammoth Meadow(1490); Mammoth Meadow(1490); Mammoth Meadow(1490); Mammoth Meadow(1490); Mammoth Meadow(1490); Ma
	Houchin Meadow; Mount Rainier National Park-Tahoma Woods (WA99)(959); Mount Rainier National Park-Tahoma Woods (WA99); Okefenokee National Wildlife Refuge (GA09)(404); Okefenokee National Wildlife Refuge
	(GA09); Organ Pipe Cactus National Monument(2310); Organ Pipe Cactus National Monument; Saguaro NM - Tucson Mountain 1(1352); Saguaro NM - Tucson Mountain 1; Southern Great Plains E13(4514); Southern Great
	Plains E13; Three Sisters Wilderness; (891); Three Sisters Wilderness; Wichita Mountains (616); Wichita Mountains

Table 6. Same as Table 1 for Scat. Coef.

Region	Sites
EUROPE	Annaberg-Buchholz(686); Annaberg-Buchholz; Aspvreten(817); Aspvreten; Birkenes II(3228); Birkenes II; Bösel(1241); Bösel; Cabauw Zijdeweg(2765); Cabauw Zijdeweg; Harwell(401); Harwell; Hohenpeissenberg(4635); Hohenpeissenberg; Hyytiälä; Ispra(4699); Ispra; K-puszta(2577); K-puszta; Kosetice (NOAK)(1316); Kosetice (NOAK); Leipzig(2496); Leipzig-Eisenbahnstrasse(9484); Leipzig-Eisenbahnstrasse(9484); Leipzig-Eisenbahnstrasse(9484); Leipzig-Eisenbahnstrasse(9484); Leipzig-Eisenbahnstrasse(9484); Leipzig-Eisenbahnstrasse(9484); Leipzig-West; Mace Head; Melpitz(4085); Melpitz; Montseny; Neuglobsow(1451); Neuglobsow; Observatorive Perenne de l'Environnement; Pallas (Sammaltunturiy); Marchill (937); Pallas (Sammaltunturiy); SIRTA Atmospheric Research Observatory; Vavihill(633); Vavihill; Waldhof(2082); Waldhof
NAMERICA	Bondville(6659); Bondville; Sable Island(1176); Sable Island; Southern Great Plains E13(6649); Southern Great Plains E13; Trinidad Head(5049); Trinidad Head

Table 7. Same as Table 1 for Abs. Coef.