Region	Sites
EUROPE	Andenes; Arcachon; Aubiere_LAMP; Autilla; Avignon; BORDEAUX; Barcelona; Bari_University; Bayfordbury; Belsk; Berlin_FUB; Birkenes; Brno_Airport; Brussels; Bucharest_Inoe; Bure_OPE; CENER; CLUJ_UBB; Cabauw; Camborne_MO; Carpentras; Chilbolton; Coruna; Creteil; Dunkerque; Edinburgh; Eforie; Ersa; FZJ-JOYCE; Fontainebleau; Frioul; Gotland; Hamburg; Helgoland; Helsinki; HohenpeissenbergDWD; Hyytiala; IMAA_Potenza; ISDGM_CNR; Iasi_LOASL; Ispra; Karlsruhe; Kuopio; Kyiv; LAQUILA_Coppito; Laegeren; Le_Fauga; Lecce_University; Leipzig; Lille; Loftus_MO; Madrid; Magurele_Inoe; Mainz; Martova; MetObs_Lindenberg; Minsk; Modena; Moldova; Moscow_MSU_MO; Munich_University; Napoli_CeSMA; OHP_OBSERVATOIRE; Oostende; Oxford; Palaiseau; Palencia; Paris; Poprad-Ganovce; Porquerolles; Raciborz; Rame_Head; Rome_La_Sapienza; Rome_Tor_Vergata; SMHI; Sevastopol; Seysses; Sirmione_Museo_GC; Sodankyla; Strzyzow; The_Hague; Thessaloniki; Timisoara; Toravere; Toulon; Toulouse_MF; Valladolid; Venise; Vienna_UNIVIE; Villefranche; Watnall_MO; Wytham_Woods; Xanthi; Zaragoza; Zvenigorod
ASIA	Anmyon; Bac_Giang; Bac_Lieu; Baengnyeong; Bahrain; Beijing; Beijing-CAMS; Bhola; Chen-Kung_Univ; Chiang_Mai_Met_Sta; Chiayi; Chiba_University; Dhabi; Dhadnah; Dhaka_University; Dongsha_Island; Dushanbe; EPA-NCU; Fukuoka; Gandhi_College; Gangneung_WNU; Gosan_SNU; Gual_Pahari; Gwangju_GIST; Hamim; Hankuk_UFS; Hokkaido_University; Hong_Kong_PolyU; Hong_Kong_Sheung; Irkutsk; Jaipur; Kaashidhoo; Kanpur; Kaohsiung; Karachi; Kuching; Kuwait_University; Lahore; Luang_Namtha; Lumbini; MALE; MCO-Hanimaadhoo; Manila_Observatory; Masdar_Institute; Mezaira; Mukdahan; Mussafa; NCU_Taiwan; ND_Marbel_Univ; NGHIA_DO; NhaTrang; Niigata; Nong_Khai; Noto; Osaka; Pantnagar; Pimai; Pokhara; Pontianak; Pune; Pusan_NU; Seoul_SNU; Shirahama; Silpakorn_Univ; Singapore; Solar_Village; Son_La; Songkhla_Met_Sta; Tai_Ping; Taihu; Taipei_CWB; Tomsk; Tomsk_22; USM_Penang; Ubon_Ratchathani; Ussuriysk; Vientiane; XiangHe; Xinglong; Yekaterinburg; Yonsei_University
NAMERICA	ARM_Oliktok_AK; Ames; Appledore_Island; BONDVILLE; Bakersfield; Bermuda; Billerica; Bonanza_Creek; Bratts_Lake; Brookhaven; CARTEL; CCNY; COVE; CalTech; Camaguey; Chapais; Chequamegon; Churchill; Columbia_SC; Dayton; Dry_Tortugas; EPA-Res_Triangle_Pk; Easton-MDE; Easton_Airport; Egbert; El_Segundo; Fort_McKay; Fort_McMurray; Frenchman_Flat; Fresno; Fresno_2; GISS; GSFC; Georgia_Tech; Grand_Forks; HJAndrews; Halifax; Harvard_Forest; Hermosillo; Howland; IMPROVE-MammothCave; Iqaluit; KONZA_EDC; Kangerlussuaq; Kellogg_LTER; Kelowna_UAS; Key_Biscayne; Key_Biscayne2; Kuujjuarapik; La_Jolla; MD_Science_Center; Maricopa; Mingo; Missoula; Modesto; Monterey; NASA_KSC; NASA_LaRC; NEON-Disney; NEON_CLBJ; NEON_GRSM; NEON_HEAL; NEON_Harvard; NEON_KONZ; NEON_OAES; NEON_ORNL; NEON_OSBS; NEON_SCBI; NEON_SERC; NEON_TALL; NEON_UKFS; NEON_UNDE; NEON_WOOD; OPAL; Oyster; PNNL; Pickle_Lake; Resolute_Bay; Rimrock; Rogers_Dry_Lake; SDSU_IPLab; SEARCH-Centreville; SEARCH-OLF; SEARCH-Yorkville; SERC; SP_Bayboro; Sable_Island; San_Nicolas; Santa_Monica_Colg; Saturn_Island; Sigma_Space_Corp; Sioux_Falls; St_Louis_University; Stennis; Tallahassee; Thompson; Thompson_Farm; Thule; Toronto; Trinidad_Head; Tucson; Tudor_Hill; UAHuntsville; UCLA; UCSB; UH_Coastal_Center; UMBC; U_of_Wisconsin_SSEC; Univ_of_Houston; Univ_of_Lethbridge; Walker...
SAMERICA	Abracos_Hill; Alta_Floresta; Amazon_ATTO_Tower; Arica; Balbina; Barbados; Belterra; CEILAP-BA; CEILAP-Bariloche; CEILAP-Comodoro; CEILAP-Neuquen; CEILAP-RG; CUIABA-MIRANDA; Campo_Grande_SONDA; Cape_San_Juan; Cordoba-CETT; Guadeloup; Itajuba; Ji_Parana_SE; La_Parguera; Manaus_EMBRAPA; NEON_GUAN; Petrolina_SONDA; Pilar_Cordoba; Puerto_Madryn; Ragged_Point; Rio_Branco; SANTA_CRUZ; SANTA_CRUZ_UTEPSA; San_Cristobal_USFQ; Santiago_Beauchef; Sao_Martinho_SONDA; Sao_Paulo; Surinam; Trelew; Tuxtla_Gutierrez; UPC-GEAB-Valledupar; UPRM_Lidar_Lab; UdeConcepcion-CEFOP
NAFRICA	ATHENS-NOA; AgiaMarina_Xyliatou; Agoufou; Badajoz; Banizoumbou; Ben_Salem; Bidi_Bahn; Blida; Burjassot; CUT-TEPAK; Cabo_da_Roca; Caceres; Cairo_EMA_2; DMN_Maine_Soroa; Dahkla; Dakar; Djougou; ETNA; Eilat; El_Arenosillo; El_Farafra; Evora; FORTH_CRETE; Gozo; Granada; Hada_El-Sham; Huelva; IER_Cinzana; IMC_Oristano; IMS-METU-ERDEMLI; Ilorin; KAUST_Campus; Koforidua_ANUC; Kuwait_University; LAMTO-STATION; La_Laguna; Lamezia_Terme; Lampedusa; Malaga; Medenine-IRA; Messina; Murcia; Nes_Ziona; Ouagadougou; Oujda; Palma_de_Mallorca; Ras_El_Ain; SAGRES; SEDE_BOKER; Saada; Santa_Cruz_Tenerife; Solar_Village; TUBITAK_UZAY_Ankara; Tabernas_PSA-DLR; Technion_Haifa_IL; Tizi_Ouzou; Tunis_Carthage; Weizmann_Institute; Zinder_Airport
AUSTRALIA	ARM_Darwin; Birdsville; Brisbane-Uni_of_QLD; Canberra; Darwin; Fowlers_Gap; Jabiru; Lake_Argyle; Lake_Lefroy; Rottnest_Island; Tinga_Tingana

Table 1. List of observation stations used for the computation of AOD and AE regional time series.

Region	Sites
EUROPE	Andenes; Arcachon; Aubiere_LAMP; Autilla; Bari_University; Bayfordbury; Belsk; Berlin_FUB; Birkenes; Brno_Airport; Brussels; Bucharest_Inoe; Bure_OPE; CENER; CLUJ_UBB; Camborne_MO; Carpentras; Chilbolton; Coruna; Dunkerque; Edinburgh; Eforie; Ersa; FZJ-JOYCE; Fontainebleau; Frioul; Galata_Platform; Gloria; Gotland; Gustav_Dalen_Tower; Hamburg; Helgoland; Helsinki; Helsinki_Lighthouse; HohenpeissenbergDWD; Hyytiala; IMAA_Potenza; ISDGM_CNR; Iasi_LOASL; Ispra; Karlsruhe; Kuopio; Kyiv; LAQUILA_Coppito; Laegeren; Lecce_University; Leipzig; Lille; Loftus_MO; Madrid; Magurele_Inoe; Mainz; Martova; MetObs_Lindenberg; Minsk; Modena; Moldova; Moscow_MSU_MO; Munich_University; Napoli_CeSMA; OHP_OBSERVATOIRE; Oostende; Oxford; Palaiseau; Palencia; Palgrunden; Paris; Poprad-Ganovce; Raciborz; Rame_Head; Rome_La_Sapienza; Rome_Tor_Vergata; SMHI; Sevastopol; Sirmione_Museo_GC; Sodankyla; Strzyzow; Thessaloniki; Thornton_C-power; Timisoara; Toravere; Toulon; Toulouse_MF; Valladolid; Venise; Vienna_UNIVIE; Watnall_MO; Wytham_Woods; Xanthi; Zaragoza; Zeebrugge-MOW1; Zvenigorod
ASIA	Abu_Al_Bukhoosh; Anmyon; Bac_Giang; Bac_Lieu; Baengnyeong; Bahrain; Beijing; Beijing-CAMS; Bhola; Chen-Kung_Univ; Chiang_Mai_Met_Sta; Chiayi; Chiba_University; Dhabi; Dhadnah; Dhaka_University; Dongsha_Island; Dushanbe; EPA-NCU; Fukuoka; GOT_Seaprism; Gandhi_College; Gangneung_WNU; Gosan_SNU; Gual_Pahari; Gwangju_GIST; Hamim; Hankuk_UFS; Hokkaido_University; Hong_Kong_PolyU; Hong_Kong_Sheung; Ieodo_Station; Irkutsk; Jaipur; Kaashidhoo; Kanpur; Kaohsiung; Karachi; Kuching; Kuwait_University; Lahore; Luang_Namtha; Lumbini; MALE; MCO-Hanimaadhoo; Manila_Observatory; Masdar_Institute; Mezaira; Mukdahan; Mussafa; NCU_Taiwan; ND_Marbel_Univ; NGHIA_DO; NhaTrang; Niigata; Nong_Khai; Noto; Osaka; Pantnagar; Pimai; Pokhara; Pontianak; Pusan_NU; Seoul_SNU; Shirahama; Silpakorn_Univ; Singapore; Socheongcho; Solar_Village; Son_La; Songkhla_Met_Sta; Tai_Ping; Taihu; Taipei_CWB; Tomsk; Tomsk_22; USM_Penang; Ubon_Ratchathani; Ussuriysk; Vientiane; XiangHe; Yekaterinburg; Yonsei_University
NAMERICA	ARM_Oliktok_AK; Ames; Appledore_Island; BONDVILLE; Bakersfield; Bermuda; Billerica; Bonanza_Creek; Bratts_Lake; Brookhaven; CARTEL; CCNY; COVE; COVE_SEAPRISM; CalTech; Camaguey; Chapais; Chequamegon; Churchill; Columbia_SC; Dayton; Dry_Tortugas; EPA-Res_Triangle_Pk; Easton-MDE; Easton_Airport; Egbert; El_Segundo; Fort_McKay; Fort_McMurray; Frenchman_Flat; Fresno; Fresno_2; GSFC; Georgia_Tech; Grand_Forks; HJAndrews; Halifax; Harvard_Forest; Hermosillo; Howland; IMPROVE-MammothCave; Iqaluit; KONZA_EDC; Kangerlussuaq; Kellogg_LTER; Kelowna_UAS; Key_Biscayne; Key_Biscayne2; Kuujjuarapik; LISCO; La_Jolla; MD_Science_Center; MVCO; Maricopa; Mingo; Missoula; Modesto; Monterey; NASA_KSC; NASA_LaRC; NEON-Disney; NEON_CLBJ; NEON_GRSM; NEON_HEAL; NEON_Harvard; NEON_KONZ; NEON_OAES; NEON_ORNL; NEON_OSBS; NEON_SCBI; NEON_SERC; NEON_TALL; NEON_UKFS; NEON_UNDE; NEON_WOOD; OPAL; PNNL; Pickle_Lake; Resolute_Bay; Rimrock; Rogers_Dry_Lake; SDSU_IPLab; SEARCH-Centreville; SEARCH-OLF; SEARCH-Yorkville; SERC; SP_Bayboro; Sable_Island; San_Nicolas; Santa_Monica_Colg; Saturn_Island; Sigma_Space_Corp; Sioux_Falls; St_Louis_University; Stennis; Tallahassee; Thompson; Thompson_Farm; Thule; Toronto; Trinidad_Head; Tucson; Tudor_Hill; UAHuntsville; UCLA; UCSB; UH_Coastal_Center; UMBC; USC_SEAPRISM; USC_SEAPRISM_2; U_of_Wisconsin_SSEC; Univ_of_Houston; Univ_of_Lethbridge; Walker_Branch; Wallops; Waskesiu; WaveCIS...
SAMERICA	Abracos_Hill; Alta_Floresta; Amazon_ATTO_Tower; Arica; Balbina; Belterra; CEILAP-BA; CEILAP-Bariloche; CEILAP-Comodoro; CEILAP-Neuquen; CEILAP-RG; CUIABA-MIRANDA; Campo_Grande_SONDA; Cape_San_Juan; Cordoba-CETT; Guadeloup; Itajuba; Ji_Parana_SE; La_Parguera; Manaus_EMBRAPA; NEON_GUAN; Petrolina_SONDA; Pilar_Cordoba; Puerto_Madryn; Ragged_Point; Rio_Branco; SANTA_CRUZ; SANTA_CRUZ_UTEPSA; San_Cristobal_USFQ; Santiago_Beauchef; Sao_Martinho_SONDA; Sao_Paulo; Trelew; Tuxtla_Gutierrez; UPC-GEAB-Valledupar; UPRM_Lidar_Lab; UdeConcepcion-CEFOP
NAFRICA	ATHENS-NOA; AgiaMarina_Xyliatou; Badajoz; Ben_Salem; Blida; Burjassot; CUT-TEPAK; Cabo_da_Roca; Caceres; Cairo_EMA_2; Dahkla; Dakar; ETNA; Eilat; El_Arenosillo; El_Farafra; Evora; FORTH_CRETE; Gozo; Granada; Hada_El-Sham; IMS-METU-ERDEMLI; Ilorin; KAUST_Campus; Koforidua_ANUC; Kuwait_University; La_Laguna; Lamezia_Terme; Lampedusa; Malaga; Murcia; Nes_Ziona; Oujda; Palma_de_Mallorca; SAGRES; SEDE_BOKER; Santa_Cruz_Tenerife; Solar_Village; TUBITAK_UZAY_Ankara; Tabernas_PSA-DLR; Technion_Haifa_IL; Tizi_Ouzou; Tunis_Carthage; Weizmann_Institute
AUSTRALIA	ARM_Darwin; Birdsville; Brisbane-Uni_of_QLD; Canberra; Darwin; Fowlers_Gap; Jabiru; Lake_Argyle; Lake_Lefroy; Lucinda; Rottnest_Island; Tinga_Tingana

Table 2. Same as 1 for AOD$<1\mu$m and AOD$>1\mu$m.

Region	Sites
EUROPE	Aspvreten; Auchencorth Moss; Bilthoven; Birkenes II; Bredkälen; Cabauw Wielsekade; Cabauw Zijdeweg; Cabo de Creus; Chilbolton Observatory; De Zilk; Deuselbach; Diabla Gora; Els Torms; Farkasfa; Guipry; Harwell; Hurdal; Hyytiälä; Illmitz; Iskrba; Ispra; K-puszta; Kollumerwaard; Kosetice (NOAK); Kårvatn; La Coulonche; La Tardière; Lahemaa; Lecce (ECO); Lille Valby; Lista; Mace Head; Melpitz; Montelibretti; Montseny; Morvan; Neuglobsow; Niembro; Norunda Stenen; O Saviñao; Pallas (Matorova); Payerne; Penausende; Peyrusse Vieille; Revin; Rucava; Råö; Saint-Nazaire-le-Désert; Schmücke; Utö; Vavihill; Verneuil; Vilsandi; Vindeln; Virolahti II; Virolahti III; Vredepeel; Waldhof; Zielonka; Zoebelboden; Zoseni
NAMERICA	Acadia National Park-McFarland Hill (ME98); Addison Pinnacle; Agua Tibia; Arendtsville (PA00); Atlanta; Badlands NP; Baltimore; Birmingham; Blue Mounds; Bondville (IL11); Boundary Waters Canoe Area; Breton; Bridgton (ME02); Brigantine NWR; Cadiz; Caney Creek; Cape Cod; Cape Romain National Wildlife Refuge; Casco Bay-Wolfe's Neck Farm (ME96); Cedar Bluff; Chassahowitzka National Wildlife Refuge (FL05); Cherokee Nation; Chicago; Cohutta; Columbia Gorge 1; Columbia River Gorge; Connecticut Hill; Death Valley NP; Denali National Park-Mt. McKinley (AK03); Detroit; Dome Lands Wilderness; Egbert; El Dorado Springs; Ellis; Everglades National Park-Research Center (FL11); Fort Peck (IMPROVE); Fresno; Frostberg Reservoir (Big Piney Run); Glacier National Park-Fire Weather Station (MT05); Great Gulf Wilderness; Great River Bluffs; Great Smoky Mountains NP; Hells Canyon; Hercules-Glades; Houston; Isle Royale NP; James River Face Wilderness; Kalmiopsis; Lake Sugema 1; Lake Sugema 2; Linville Gorge; Livonia; Lostwood; M.K. Goddard; Mammoth Cave National Park-Houchin Meadow; Martha's Vineyard; Meadview; Medicine Lake; Mingo; Mohawk Mt.; Moosehorn NWR; Mount Rainier National Park-Tahoma Woods (WA99); Nebraska NF; New York City; North Cascades; Okefenokee National Wildlife Refuge (GA09); Old Town; Olympic; Omaha; Organ Pipe Cactus National Monument; Petersburg; Phoenix; Phoenix Colocated Sampler; Pinnacles National Monument-Bear Valley (CA66); Pittsburgh; Point Reyes National Seashore; Presque Isle; Proctor Maple R. F.; Puget Sound; Quabbin Summit; Quaker City; Queen Valley; Redwood NP; Rubidoux; Sac and Fox; Saguaro NM; Saguaro West; San Rafael; Seney; Sequoia NP; Sikes; Sipsy Wilderness; Spokane Res.; St. Marks; Swanquarter; Tallgrass; Theodore Roosevelt National Park-Painted Canyon; Three Sisters Wilderness; Tonto NM; UL Bend; Upper Buffalo Wilderness; Viking Lake; Voyageurs NP 2; Washington D.C.; Wichita Mount...

Table 3. Same as 1 for PM2.5

Region	Sites
EUROPE	Aspvreten; Auchencorth Moss; Beromünster; Birkenes II; Braganca; Bredkälen; CEH Edingburgh; Cabauw Wielsekade; Cabo de Creus; Chilbolton Observatory; De Zilk; Deuselbach; Diabla Gora; Eibergen; Els Torms; Farkasfa; Guipry; Harwell; Hohenpeissenberg; Hurdal; Hyytiälä; ISAC Bologna; Illmitz; Iskrba; Ispra; K-puszta; Kamenicki vis; Karpdalen; Keldsnor; Kollumerwaard; Kosetice (NOAK); Kårvatn; La Coulonche; La Tardière; Lahemaa; Lecce (ECO); Leova II; Liesek; Lille Valby; Lough Navar; Mace Head; Melpitz; Montandon; Montelibretti; Montseny; Morvan; Narberth; Neuglobsow; Niembro; Noia; Norunda Stenen; O Saviñao; Pallas (Sammaltunturi); Payerne; Penausende; Peyrusse Vieille; Poiana Stampei; Revin; Risoe; Rucava; Råö; Saint-Nazaire-le-Désert; Schmücke; St. Koloman; Starina; Stará Lesná; Svanvik; Svratouch; Topolniky; Tänikon; University of Gent; Vavihill; Vindeln; Virolahti II; Virolahti III; Vredepeel; Waldhof; Westerland; Zielonka; Zingst; Zoebelboden; Zoseni
NAMERICA	Acadia National Park-McFarland Hill (ME98); Addison Pinnacle; Agua Tibia; Arendtsville (PA00); Atlanta; Badlands NP; Baltimore; Birmingham; Blue Mounds; Bondville (IL11); Boundary Waters Canoe Area; Breton; Bridgton (ME02); Brigantine NWR; Cadiz; Caney Creek; Cape Cod; Cape Romain National Wildlife Refuge; Casco Bay-Wolfe's Neck Farm (ME96); Cedar Bluff; Chassahowitzka National Wildlife Refuge (FL05); Cherokee Nation; Chicago; Cohutta; Columbia Gorge 1; Columbia River Gorge; Connecticut Hill; Death Valley NP; Denali National Park-Mt. McKinley (AK03); Detroit; Dome Lands Wilderness; Egbert; El Dorado Springs; Ellis; Everglades National Park-Research Center (FL11); Fort Peck (IMPROVE); Fresno; Frostberg Reservoir (Big Piney Run); Glacier National Park-Fire Weather Station (MT05); Great Gulf Wilderness; Great River Bluffs; Great Smoky Mountains NP; Hells Canyon; Hercules-Glades; Houston; Isle Royale NP; James River Face Wilderness; Kalmiopsis; Lake Sugema 1; Lake Sugema 2; Linville Gorge; Livonia; Lostwood; M.K. Goddard; Mammoth Cave National Park-Houchin Meadow; Martha's Vineyard; Meadview; Medicine Lake; Mingo; Mohawk Mt.; Moosehorn NWR; Mount Rainier National Park-Tahoma Woods (WA99); Nebraska NF; New York City; North Cascades; Okefenokee National Wildlife Refuge (GA09); Old Town; Olympic; Omaha; Organ Pipe Cactus National Monument; Petersburg; Phoenix; Phoenix Colocated Sampler; Pinnacles National Monument-Bear Valley (CA66); Pittsburgh; Point Reyes National Seashore; Presque Isle; Proctor Maple R. F.; Puget Sound; Quabbin Summit; Quaker City; Queen Valley; Redwood NP; Rubidoux; Sac and Fox; Saguaro NM; Saguaro West; San Rafael; Seney; Sequoia NP; Sikes; Sipsy Wilderness; Spokane Res.; St. Marks; Swanquarter; Tallgrass; Theodore Roosevelt National Park-Painted Canyon; Three Sisters Wilderness; Tonto NM; UL Bend; Upper Buffalo Wilderness; Viking Lake; Voyageurs NP 2; Washington D.C.; Wichita Mount...
NAFRICA	Agia Marina Xyliatou ; Cyprus Atmospheric Observatory; Aliartos; Barcarrota; Cairo; Can Llompart; Doñana; Finokalia; Hurghada; Lamezia Terme; Mahón; San Pablo de los Montes; Zarra

Table 4. Same as 1 for PM10

Region	Sites
EUROPE	Anholt; Barcombe Mills; Birkenes I and II; Bredkälen; Cabo de Creus; Chopok; Danki; Diabla Gora; Donon; Els Torms; Eskdalemuir; Glen Dye; High Muffles; Hoburgen; Iraty; Iskrba; Ispra; Janiskoski; Jarczew; K-puszta; Kollumerwaard; Kosetice; Kårvatn; La Crouzille; Leba; Logroño; Lough Navar; Melpitz; Montelibretti; Morvan; Niembro; O Saviñao; Osen; Oulanka; Pallas (Matorova); Payerne; Penausende; Peyrusse Vieille; Preila; Rucava; Rörvik-Råö; Sniezka; Strath Vaich Dam; Svratouch; Tange; Tustervatn; Utö; Vavihill; Virolahti; Virolahti II; Vredepeel; Yarner Wood; Ähtäri I-II
ASIA	Baengnyeong_Island; Cheju; Chiang Mai (Mae Hia); Hoa Binh; Imsil; Kanghwa; Khanchanaburi (Vachiralongkorn Dam); Listvyanka; Mondy; Oki; Primorskaya; Rishiri; Tanah Rata; Terelj
NAMERICA	Abington; Acadia NP; Acadia_NP; Addison_Pinnacle; Agua_Tibia; Algoma; Alhambra; Ann Arbor; Arches_NP; Arendtsville; Ashland; Badlands_NP; Bandelier_NM; Barrier_Lake; Beaufort; Beltsville; Big Bend NP; Big_Bend_NP; Blackwater NWR; Bliss_SP_(TRPA); Blue_Mounds; Bondville; Bosque_del_Apache; Boulder_Lake; Boundary_Waters_Canoe_Area; Breton; Breton_Island; Bridger_Wilderness; Bridgton; Brigantine_NWR; Brooklyn_Lake; Bryce_Canyon_NP; Cabinet_Mountains; Caddo Valley; Cadiz; Candor; Caney_Creek; Canyonlands NP; Canyonlands_NP; Cape_Cod; Cape_Romain_NWR; Capitol_Reef_NP; Casco_Bay; Cedar Creek; Cedar_Bluff; Centennial; Chalk River; Chapais; Chassahowitzka_NWR; Cherokee_sNation; Chiricahua NM; Chiricahua_NM; Claryville; Cloud_Peak; Coffeeville; Cohutta; Columbia_Gorge_1; Columbia_River_Gorge; Connecticut Hill; Connecticut_Hill; Coweeta; Cranberry; Crater_Lake_NP; Craters_of_the_Moon_NM; Crescent_Lake; Crockett; Death_Valley_NP; Deer Creek; Denali NP; Denali_NP; Dolly_Sods_Wilderness; Dome_Lands_Wilderness; Douglas; E.L.A.; Edgar Evins; Egbert; El_Dorado_Springs; Ellis; Everglades NP; Everglades_NP; Flat_Tops; Flathead; Fort_Peck; Frostberg_Reservoir_(Big_Piney_Run); Gates_of_the_Mountains; Georgia Station; Gila_Wilderness; Glacier NP; Glacier_NP; Gothic; Grand Canyon NP; Great Basin NP; Great Smoky NP - Look Rock; Great_Basin_NP; Great_Gulf_Wilderness; Great_River_Bluffs; Great_Sand_Dunes_NM; Great_Smoky_Mountains_NP; Guadalupe_Mountains_NP; Hance_Camp_at_Grand_Canyon_NP; Hells_Canyon; Hercules-Glades; Hillside; Hoover; Hopi_Point_1; Horton Station; Howland; Hoxeyville; Ike's_Backbone; Indian_Gardens; Isle_Royale_NP; James_River_Face_Wilderness; Jarbidge_Wilderness; Jefferson_NF; Joshua Tree NP; Joshua_Tree_NP; Kaiser; Kalmiopsis; Kane Exp. Forest; Kejimkujik; Lake_Sugema; Lake_Tahoe_Community_College; Lassen Volcanic NP; Lassen_Volcanic_NP; Laurel Hill; Lava-Beds_NM; Linville_Gorge; Livonia; Londonderry; Lone_Peak_Wilderness; Longwoods; Lostwood; Lye_Brook_Wilderness; Lykens; Lynden; M.K. Goddard; M.K._Goddard; Mackville; Mackville Collocated; Makah_Tribe; Makah_Tribe_Site_2; Mammoth_Cave_NP; Martha's_Vineyard; Meadview; Medicine_Lake; Mesa Verde NP; Mesa_Verde_NP; Mingo; Mohawk_Mt.; Monture; Moosehorn_NWR; Mount Rainier NP; Mount_Baldy; Mount_Hood; Mount_Rainier_NP; Mount_Zirkel_Wilderness; Nebraska_NF; North_Absaroka; North_Cascades; Northern_Cheyenne; Okefenokee_NWR; Old_Town; Olympic; Omaha; Organ_Pipe; Owens_Valley; Oxford; Pack_Monadnock_Summit; Parsons; Pasayten; Penn State; Penobscot; Perkinstown; Petersburg; Petrified_Forest_NP; Pinedale; Pinnacles NM; Pinnacles_NM; Point_Reyes_National_Seashore; Presque_Isle; Prince Edward; Proctor_Maple_R._F.; Quabbin_Summit; Quaker City; Quaker_City; Queen_Valley; Redwood_NP; Ripple_Creek; Rocky Mtn NP; Rocky_Mountain_NP; Rocky_Mountain_NP_HQ; Sac_and_Fox; Saguaro_NM; Saguaro_West; Salamonie Reservoir; Salmon_NF; Salt_Creek; San_Andres; San_Gabriel; San_Gorgonio_Wilderness; San_Pedro_Parks; San_Rafael; Sand Mountain; Saturna; Sawtooth_NF; Scoville; Seney; Sequoia_NP; Shamrock_Mine; Shenandoah NP - Big Meadows; Shenandoah_NP; Shining_Rock_Wilderness; Sierra_Ancha; Sikes; Sipsey_Wilderness; Snoqualmie_Pass; South_Lake_Tahoe; Speedwell; Spokane_Res.; St._Marks; Starkey; Stilwell; Stockton; Storm_Peak; Sula_Peak; Sumatra; Swanquarter; Sycamore_Canyon; Tallgrass; Theodore Roosevelt NP; Theodore_Roosevelt; Three_Sisters_Wilderness; Thunder_Basin; Tonto_NM; Trinity; UL_Bend; Unionville; Upper_Buffalo_Wilderness; Viking_Lake; Vincennes; Voyageurs NP; Voyageurs_NP_1; Voyageurs_NP_2; WY; Walker_River_Paiute_Tribe; Wash. Crossing; Weminuche_Wilderness; Wheeler_Peak; White_Mountain; White_Pass; White_River_NF; Whiteface Mountain; Wichita_Mountains; Wind_Cave; Woodstock; Wrightwood; Yellowstone NP; Yellowstone_NP_1; Yellowstone_NP_2; Yosemite NP - Turtleback Dome; Yosemite_NP; Zion; Zion_Canyon
NAFRICA	Barcarrota; Víznar; Zarra

Table 5. Same as 1 for SO4 concentration

Region	Sites
EUROPE	Birkenes II; Cabauw Zijdeweg; Hohenpeissenberg; Hyytiälä; Ispra; K-puszta; Kosetice (NOAK); Mace Head; Melpitz; Observatoire Perenne de l'Environnement; Pallas (Sammaltunturi); Vavihill
NAMERICA	Acadia National Park-McFarland Hill (ME98); Bondville; Boundary Waters Canoe Area; Cedar Bluff; Columbia River Gorge; Glacier National Park-Fire Weather Station (MT05); Great Gulf Wilderness; Great Smoky Mountains NP; James River Face Wilderness; Mammoth Cave National Park-Houchin Meadow; Mount Rainier National Park-Tahoma Woods (WA99); Okefenokee National Wildlife Refuge (GA09); Organ Pipe Cactus National Monument; Saguaro NM - Tucson Mountain 1; Southern Great Plains E13; Three Sisters Wilderness; Trinidad Head; Upper Buffalo Wilderness; Wichita Mountains

Table 6. Same as 1 for Scat. Coef.

Region	Sites
EUROPE	Annaberg-Buchholz; Aspvreten; Birkenes II; Bösel; Cabauw Zijdeweg; Harwell; Hohenpeissenberg; Hyytiälä; Ispra; K-puszta; Kosetice (NOAK); Leipzig; Leipzig-Eisenbahnstrasse; Leipzig-West; Mace Head; Melpitz; Montseny; Neuglobsow; Observatoire Perenne de l'Environnement; Pallas (Sammaltunturi); SIRTA Atmospheric Research Observatory; Vavihill; Waldhof; Ústí n.L.-mesto
NAMERICA	Bondville; Sable Island; Southern Great Plains E13; Trinidad Head

Table 7. Same as 1 for Abs. Coef.