

category	category synonym	sub_category	sub_category synonyms	measurement	measurement synonyms
Aerosol	Aerosols	Acidity/Alkalinity, total aerosol		Acidity/Alkalinity, total aerosol	
Aerosol	Aerosols	Chemical		Arsenic (As)	
Aerosol	Aerosols	Chemical		Arsenic (As), PM10	
Aerosol	Aerosols	Chemical		Carbonaceous/organic material (coarse), PM10	
Aerosol	Aerosols	Chemical		Carbonaceous/organic material (fine)	
Aerosol	Aerosols	Chemical		Elementary carbon (coarse), PM10	
Aerosol	Aerosols	Chemical		Major chemical components (size fractionated)	
Aerosol	Aerosols	Chemical		Major inorganic components (coarse)	
Aerosol	Aerosols	Chemical		Major inorganic components (fine)	
Aerosol	Aerosols	Chemical		Other chemical components (coarse)	
Aerosol	Aerosols	Chemical		Other chemical components (fine)	
Aerosol	Aerosols	Chemical		Total carbon (coarse), PM10	
Aerosol	Aerosols	General		Acidity/Alkalinity	
Aerosol	Aerosols	General		Selenium (Se)	
Aerosol	Aerosols	Inorganic, Anions		Chloride (Cl-), PM1	
Aerosol	Aerosols	Inorganic, Anions		Chloride (Cl-), PM10	
Aerosol	Aerosols	Inorganic, Anions		Chloride (Cl-), PM2.5	
Aerosol	Aerosols	Inorganic, Anions		Chloride (Cl-), total aerosol	
Aerosol	Aerosols	Inorganic, Anions		Nitrate (NO3-), PM10	
Aerosol	Aerosols	Inorganic, Anions		Nitrate (NO3-), PM2.5	
Aerosol	Aerosols	Inorganic, Anions		Nitrate (NO3-), total aerosol	
Aerosol	Aerosols	Inorganic, Anions		Sulphate (SO4=), corrected	
Aerosol	Aerosols	Inorganic, Anions		Sulphate (SO4=), total	
Aerosol	Aerosols	Inorganic, Anions		Sulphate (SO4=), total, PM10	
Aerosol	Aerosols	Inorganic, Anions		Sulphate (SO4=), total, PM2.5	
Aerosol	Aerosols	Inorganic, Carbonaceous		Elementary carbon (course), PM10	
Aerosol	Aerosols	Inorganic, Carbonaceous		Total carbon (course), PM10	
Aerosol	Aerosols	Inorganic, Cations		Ammonium (NH4+)	
Aerosol	Aerosols	Inorganic, Cations		Ammonium (NH4+), PM10	
Aerosol	Aerosols	Inorganic, Cations		Ammonium (NH4+), PM2.5	
Aerosol	Aerosols	Inorganic, Cations		Calcium (Ca++), PM10	
Aerosol	Aerosols	Inorganic, Cations		Calcium (Ca++), PM2.5	
Aerosol	Aerosols	Inorganic, Cations		Calcium (Ca++), total aerosol	
Aerosol	Aerosols	Inorganic, Cations		Magnesium (Mg++), PM10	
Aerosol	Aerosols	Inorganic, Cations		Magnesium (Mg++), PM2.5	
Aerosol	Aerosols	Inorganic, Cations		Magnesium (Mg++), total aerosol	
Aerosol	Aerosols	Inorganic, Cations		Potassium (K+), PM10	
Aerosol	Aerosols	Inorganic, Cations		Potassium (K+), PM2.5	
Aerosol	Aerosols	Inorganic, Cations		Potassium (K+), total aerosol	
Aerosol	Aerosols	Inorganic, Cations		Sodium (Na+), PM10	
Aerosol	Aerosols	Inorganic, Cations		Sodium (Na+), PM25	
Aerosol	Aerosols	Inorganic, Cations		Sodium (Na+), total aerosol	
Aerosol	Aerosols	Inorganic, Major components		Major chemical components (size fractionated)	
Aerosol	Aerosols	Inorganic, Major components		Major inorganic components (course)	
Aerosol	Aerosols	Inorganic, Major components		Major inorganic components (fine)	

Aerosol	Aerosols	Inorganic, Major components		Major inorganic components (TSP)	
Aerosol	Aerosols	Inorganic, Major components		Other inorganic components (fine)	
Aerosol	Aerosols	Inorganic, Minor components		Other chemical components (course)	
Aerosol	Aerosols	Inorganic, Minor components		Other chemical components (fine)	
Aerosol	Aerosols	Inorganic, Nitrogen species		Ammonium (NH4+), PM10	
Aerosol	Aerosols	Inorganic, Nitrogen species		Ammonium (NH4+), PM2.5	
Aerosol	Aerosols	Inorganic, Nitrogen species		Ammonium (NH4+), total aerosol	
Aerosol	Aerosols	Inorganic, Nitrogen species		aerosol	
Aerosol	Aerosols	Inorganic, Nitrogen species		Sum of nitric acid (HNO3) and nitrate (NO3-), in air and aerosol	
Aerosol	Aerosols	Inorganic, Trace elements		Arsenic (As), PM10	
Aerosol	Aerosols	Inorganic, Trace elements		Arsenic (As), total aerosol	
Aerosol	Aerosols	Inorganic, Trace elements		Cadmium (Cd), PM1	
Aerosol	Aerosols	Inorganic, Trace elements		Cadmium (Cd), PM10	
Aerosol	Aerosols	Inorganic, Trace elements		Cadmium (Cd), PM2.5	
Aerosol	Aerosols	Inorganic, Trace elements		Cadmium (Cd), PM2.5 thru PM10	
Aerosol	Aerosols	Inorganic, Trace elements		Cadmium (Cd), total aerosol	
Aerosol	Aerosols	Inorganic, Trace elements		Cobalt (Co), total aerosol	
Aerosol	Aerosols	Inorganic, Trace elements		Copper (Cu), PM10	
Aerosol	Aerosols	Inorganic, Trace elements		Copper (Cu), total aerosol	
Aerosol	Aerosols	Inorganic, Trace elements		Iron (Fe), total aerosol	
Aerosol	Aerosols	Inorganic, Trace elements		Lead (Pb), PM10	
Aerosol	Aerosols	Inorganic, Trace elements		Lead (Pb), total aerosol	
Aerosol	Aerosols	Inorganic, Trace elements		Manganese (Mn), PM10	
Aerosol	Aerosols	Inorganic, Trace elements		Manganese (Mn), total aerosol	
Aerosol	Aerosols	Inorganic, Trace elements		Mercury (Hg), total aerosol	
Aerosol	Aerosols	Inorganic, Trace elements		Nickel (Ni), PM10	
Aerosol	Aerosols	Inorganic, Trace elements		Nickel (Ni), total aerosol	
Aerosol	Aerosols	Inorganic, Trace elements		Selenium (Se), total aerosol	
Aerosol	Aerosols	Organic, Anions		C2H3O2- (CH3COO-, acetate), in aerosol	
Aerosol	Aerosols	Organic, Anions		C2H3O2- (CH3COO-, acetate), PM1	
Aerosol	Aerosols	Organic, Carbonaceous		Carbonaceous/organic material (coarse), PM10	
Aerosol	Aerosols	Organic, Carbonaceous		Carbonaceous/organic material (fine)	
Aerosol	Aerosols	Physical, Optical		Hemispheric backscattering coefficient	
Aerosol	Aerosols	Physical, Optical		Light absorption coefficient, PM1	
Aerosol	Aerosols	Physical, Optical		Light absorption coefficient, PM10	
Aerosol	Aerosols	Physical, Optical		Light absorption coefficient, total aerosol	
Aerosol	Aerosols	Physical, Optical		Light backscattering coefficient, PM1	
Aerosol	Aerosols	Physical, Optical		Light backscattering coefficient, PM10	
Aerosol	Aerosols	Physical, Optical		Light backscattering coefficient, total aerosol	
Aerosol	Aerosols	Physical, Optical		Light scattering coefficient, PM1	
Aerosol	Aerosols	Physical, Optical		Light scattering coefficient, PM10	
Aerosol	Aerosols	Physical, Optical		Light scattering coefficient, total aerosol	
Aerosol	Aerosols	Physical, Optical		Multiwavelength optical depth, total aerosol	
Aerosol	Aerosols	Physical, Optical		Vertical distribution of properties	
Aerosol	Aerosols	Physical, Primary		Mass concentration (coarse) or Mass PM10	
Aerosol	Aerosols	Physical, Primary		Mass concentration (fine) or Mass PM1	
Aerosol	Aerosols	Physical, Primary		Mass concentration (medium), PM2.5	

Aerosol	Aerosols	Physical, Primary		Mass concentration (size fractionated)	
Aerosol	Aerosols	Physical, Primary		Mass concentration (total aerosol) or Mass TSP	
Aerosol	Aerosols	Physical, Primary		Number concentration	
Aerosol	Aerosols	Physical, Primary		Number size distribution, PM10	
Aerosol	Aerosols	Physical, Primary		Number size distribution, total aerosol	
Aerosol	Aerosols	Physical, Primary		Temperature	
Aerosol	Aerosols	Physical, Secondary		CCN concentration at single supersaturation	
Aerosol	Aerosols	Physical, Secondary		CCN concentration spectra	
Aerosol	Aerosols	Physical, Secondary		Hygroscopic growth factor, 110 Å, Åµm equivalent	
Aerosol	Aerosols	Physical, Secondary		Hygroscopic growth factor, 165 Å, Åµm equivalent	
Aerosol	Aerosols	Physical, Secondary		Hygroscopic growth factor, 35 Å, Åµm equivalent	
Aerosol	Aerosols	Physical, Secondary		Hygroscopic growth factor, 50 Å, Åµm equivalent	
Aerosol	Aerosols	Physical, Secondary		Hygroscopic growth factor, 75 Å, Åµm equivalent	
Aerosol	Aerosols	Physical, Secondary		Hygroscopic growth factor, total aerosol	
Aerosol	Aerosols	Trace metals		Cadmium (Cd)	
Aerosol	Aerosols	Trace metals		Cadmium (Cd), PM1	
Aerosol	Aerosols	Trace metals		Cadmium (Cd), PM10	
Aerosol	Aerosols	Trace metals		Cadmium (Cd), PM2.5	
Aerosol	Aerosols	Trace metals		Cadmium (Cd), PM2.5 thru PM10	
Aerosol	Aerosols	Trace metals		Chromium (Cr)	
Aerosol	Aerosols	Trace metals		Cobalt (Co)	
Aerosol	Aerosols	Trace metals		Copper (Cu)	
Aerosol	Aerosols	Trace metals		Copper (Cu), PM10	
Aerosol	Aerosols	Trace metals		Iron (Fe)	
Aerosol	Aerosols	Trace metals		Lead (Pb)	
Aerosol	Aerosols	Trace metals		Lead (Pb), PM10	
Aerosol	Aerosols	Trace metals		Manganese (Mn)	
Aerosol	Aerosols	Trace metals		Manganese (Mn), PM10	
Aerosol	Aerosols	Trace metals		Mercury (Hg)	
Aerosol	Aerosols	Trace metals		Nickel (Ni)	
Aerosol	Aerosols	Trace metals		Nickel (Ni), PM10	
Archived Sample		General	Integrated air samples; " "	Integrated air samples	
Atmospheric State	Meteo	Surface Meteorology		Atmospheric moisture	
Atmospheric State	Meteo	Surface Meteorology		Atmospheric pressure	
Atmospheric State	Meteo	Surface Meteorology		Atmospheric temperature	
Atmospheric State	Meteo	Surface Meteorology		Atmospheric turbulence	
Atmospheric State	Meteo	Surface Meteorology		Extreme event time	
Atmospheric State	Meteo	Surface Meteorology		Geopotential height	
Atmospheric State	Meteo	Surface Meteorology		Horizontal wind	
Atmospheric State	Meteo	Surface Meteorology		Precipitation	
Atmospheric State	Meteo	Surface Meteorology		Vertical velocity	
Atmospheric State	Meteo	Surface Meteorology		Visibility	
Atmospheric State	Meteo	Upper Air State		Advective tendency	
Atmospheric State	Meteo	Upper Air State		Atmospheric moisture	
Atmospheric State	Meteo	Upper Air State		Atmospheric pressure	
Atmospheric State	Meteo	Upper Air State		Atmospheric temperature	
Atmospheric State	Meteo	Upper Air State		Atmospheric turbulence	

Atmospheric State	Meteo	Upper Air State		Cloud ice water	
Atmospheric State	Meteo	Upper Air State		Cloud liquid water	
Atmospheric State	Meteo	Upper Air State		Convection	
Atmospheric State	Meteo	Upper Air State		Geopotential height	
Atmospheric State	Meteo	Upper Air State		Horizontal wind	
Atmospheric State	Meteo	Upper Air State		Lightning stroke	
Atmospheric State	Meteo	Upper Air State		Liquid water path	
Atmospheric State	Meteo	Upper Air State		Planetary boundary layer height	
Atmospheric State	Meteo	Upper Air State		Precipitable water	
Atmospheric State	Meteo	Upper Air State		Radiative heating rate	
Atmospheric State	Meteo	Upper Air State		Vertical velocity	
Atmospheric State	Meteo	Upper Air State		Virtual temperature	
Cloud Properties		Macrophysical		Cloud base height	
Cloud Properties		Macrophysical		Cloud fraction	
Cloud Properties		Macrophysical		Cloud top height	
Cloud Properties		Macrophysical		Cloud type	
Cloud Properties		Macrophysical		Radar Doppler	
Cloud Properties		Macrophysical		Radar polarization	
Cloud Properties		Macrophysical		Radar reflectivity	
Cloud Properties		Microphysical		Cloud droplet size	
Cloud Properties		Microphysical		Cloud extinction	
Cloud Properties		Microphysical		Cloud ice particle	
Cloud Properties		Microphysical		Cloud ice water	
Cloud Properties		Microphysical		Cloud liquid water	
Cloud Properties		Microphysical		Cloud optical depth	
Cloud Properties		Microphysical		Cloud particle number concentration	
Cloud Properties		Microphysical		Cloud particle size distribution	
Cloud Properties		Microphysical		Fall velocity	
Cloud Properties		Microphysical		Hydrometeor fall velocity	
Cloud Properties		Microphysical		Hydrometeor image	
Cloud Properties		Microphysical		Hydrometeor optical properties	
Cloud Properties		Microphysical		Hydrometeor phase	
Cloud Properties		Microphysical		Hydrometeor size	
Cloud Properties		Microphysical		Ice nuclei	
Cloud Properties		Microphysical		Liquid water path	
Cloud Properties		Microphysical		Radar Doppler	
Cloud Properties		Microphysical		Radar polarization	
Cloud Properties		Microphysical		Radar reflectivity	
Cloud Properties		Microphysical		Total cloud water	
Cloud Properties		Microphysical and Chemical Properties		Cloud condensation nuclei	
Cloud Properties		Optical and Radiative Properties		Backscattered radiation	
Cloud Properties		Optical and Radiative Properties		Optical depth	
Cryosphere		Frozen Ground/Permafrost		Active Layer Thickness	
Cryosphere		Frozen Ground/Permafrost		Borehold Temperature	
Cryosphere		Frozen Ground/Permafrost		Extent	
Cryosphere		Frozen Ground/Permafrost		Snow Cover	
Cryosphere		Frozen Ground/Permafrost		Soil Temperature/Thermal State	

Cryosphere		Glaciers, Ice Caps, Ice Sheets		Area	
Cryosphere		Glaciers, Ice Caps, Ice Sheets		Firm Temperature	
Cryosphere		Glaciers, Ice Caps, Ice Sheets		Icebergs	
Cryosphere		Glaciers, Ice Caps, Ice Sheets		Length (geometry)	
Cryosphere		Glaciers, Ice Caps, Ice Sheets		Mass Balance (accumulations/ablation)	
Cryosphere		Glaciers, Ice Caps, Ice Sheets		Snow on ice	
Cryosphere		Glaciers, Ice Caps, Ice Sheets		Snowline/Equilibrium Line	
Cryosphere		Glaciers, Ice Caps, Ice Sheets		Thickness	
Cryosphere		Glaciers, Ice Caps, Ice Sheets		Velocity	
Cryosphere		Lake and River Ice		Freezeup/breakup	
Cryosphere		Lake and River Ice		Snow on ice	
Cryosphere		Lake and River Ice		Thickness, snow on ice	
Cryosphere		Sea Ice		Concentration	
Cryosphere		Sea Ice		Extent	
Cryosphere		Sea Ice		Motion	
Cryosphere		Sea Ice		Snow on ice	
Cryosphere		Sea Ice		Temperature	
Cryosphere		Sea Ice		Thickness	
Cryosphere		Sea Ice		Type (age)	
Cryosphere		Snow		Albedo	
Cryosphere		Snow		Density	
Cryosphere		Snow		Depth	
Cryosphere		Snow		Extent	
Cryosphere		Snow		Grain Size	
Cryosphere		Snow		Snow Water Equivalent (SWE)	
Cryosphere		Snow		Snowfall	
Cryosphere		Solid Precip		Rate	
Cryosphere		Solid Precip		Snowfall Amount	
Greenhouse Gas		CFCs		C2Cl3F3 (1,1,2-trichloro-1,2,2-trifluoroethane, CFC-113)	
Greenhouse Gas		CFCs		CCl2F2 (dichlorodifluoromethane, CFC-12)	
Greenhouse Gas		CFCs		CCl3F (trichlorofluoromethane, CFC-11)	
Greenhouse Gas		CH4		CH4	
Greenhouse Gas		CH4 [C-13]		CH4 [C-13]	
Greenhouse Gas		CO2		CO2	
Greenhouse Gas		CO2 [C-13]		CO2 [C-13]	
Greenhouse Gas		CO2 [O-18]		CO2 [O-18]	
Greenhouse Gas		Halocarbons		CCl4	
Greenhouse Gas		Halocarbons		CH3CCl3 (1,1,1-trichloroethane)	
Greenhouse Gas		Halon		CBrClF2 (Halon 1211)	
Greenhouse Gas		Halon		CBrF3 (bromotrifluoromethane, Halon 1301)	
Greenhouse Gas		HCFCs		C2H3Cl2F (1,1-dichloro-1-fluoroethane, HCFC-141b)	
Greenhouse Gas		HCFCs		C2H3ClF2 (1-chloro-1,1-difluoroethane, HCFC-142b)	
Greenhouse Gas		HCFCs		CHClF2 (difluoromethane, HCFC-22)	
Greenhouse Gas		HFCs		C2H4F2 (1,1-difluoroethane, HFC-152a)	
Greenhouse Gas		HFCs		C3H2F6 (1,1,1,2,3,3-hexafluoropropane, HFC-236fa)	
Greenhouse Gas		HFCs		C3H3F5 (1,1,1,3,3-Pentafluoropropane, HFC-245fa)	
Greenhouse Gas		HFCs		C3HF7 (1,1,1,2,3,3,3-Heptafluoropropane, HFC-227ea)	

Greenhouse Gas		HFCs		C4H5F5 (1,1,1,3,3-pentafluorobutane, HFC-365mfc)	
Greenhouse Gas		HFCs		CH2F4 (1,1,1,2-tetrafluoroethane, HFC-134a)	
Greenhouse Gas		HFCs		CHF2CF3 (pentafluoroethane, HFC-125)	
Greenhouse Gas		HFCs		CHF3 (trifluoromethane, HFC-23)	
Greenhouse Gas		N2O		N2O	
Greenhouse Gas		PFCs		C2F6 (hexafluoroethane, PFC-116)	
Greenhouse Gas		PFCs		C3F8 (octafluoropropane, PFC-218)	
Greenhouse Gas		PFCs		CF4 (tetrafluoromethane, carbon tetrafluoride, perfluoromethane, PFC-14)	
Greenhouse Gas		SF6		SF6	
Greenhouse Gas		SO2F2 (sulphuryl flouride)		SO2F2 (sulphuryl flouride)	
Ozone		Surface Ozone		Surface ozone	
Ozone		Total Column Ozone		Total column ozone	
Ozone		Vertical Ozone Profile		Vertical ozone profile	
POPs		PAH		C13H10 (9H-fluorene, fluorene), in air	
POPs		PAH		C14H10 (anthracene), in aerosol	
POPs		PAH		C14H10 (anthracene), in aerosol and air	
POPs		PAH		C14H10 (anthracene), in air	
POPs		PAH		C14H10 (anthracene), PM10	
POPs		PAH		C14H10 (phenanthrene), in aerosol	
POPs		PAH		C14H10 (phenanthrene), in air	
POPs		PAH		C14H10 (phenanthrene), in air and aerosol	
POPs		PAH		C14H10 (phenanthrene), in precipitation	
POPs		PAH		C14H10 (phenanthrene), in total precipitation	
POPs		PAH		C14H10 (phenanthrene), PM10	
POPs		PAH		C16H10 (pyrene), in air and aerosol	
POPs		PAH		C18H12 (Benz(a)anthracene), in aerosol	
POPs		PAH		C18H12 (Benz(a)anthracene), in air	
POPs		PAH		C18H12 (Benz(a)anthracene), in air and aerosol	
POPs		PAH		C18H12 (Benz(a)anthracene), in precipitation	
POPs		PAH		C18H12 (Benz(a)anthracene), in total precipitation	
POPs		PAH		C18H12 (Benz(a)anthracene), PM10	
POPs		POP		C12H8Cl6 (aldrin), in aerosol	
POPs		POP		C12H8Cl6 (aldrin), in air	
POPs		POP		C12H8Cl6 (aldrin), in air and aerosol	
POPs		POP		C12H8Cl6 (aldrin), in total precipitation	
POPs		POP		C12H8Cl6 (aldrin), in wet precipitation	
POPs		POP		C6Cl6 (hexachlorobenzene, HCB), in air	
POPs		POP		C6H6Cl6 (1,2,3,4,5,6-hexachlorocyclohexane, alpha-lindane, alpha-HCH), in aerosol	
POPs		POP		C6H6Cl6 (1,2,3,4,5,6-hexachlorocyclohexane, alpha-lindane, alpha-HCH), in air	
POPs		POP		C6H6Cl6 (1,2,3,4,5,6-hexachlorocyclohexane, alpha-lindane, alpha-HCH), in wet precipitatio	
POPs		POP		C6H6Cl6 (1,2,3,4,5,6-hexachlorocyclohexane, gamma-lindane, gamma-HCH), in air	
POPs		POP		C6H6Cl6 (1,2,3,4,5,6-hexachlorocyclohexane, gamma-lindane, gamma-HCH), in wet precipitatio	

Precipitation Chem		Acidity/Alkalinity		Acidity/Alkalinity	alkalinity_expressed_as_mole_equivalent_in_total_precipitation
Precipitation Chem		Electric conductivity		Electric conductivity	electrical_conductivity_in_total_precipitation electrical_conductivity electrical_conductivity
Precipitation Chem		General		Acidity/Alkalinity	
Precipitation Chem		General		Arsenic (As)	
Precipitation Chem		General		Electric conductivity	
Precipitation Chem		General		Hydrogen ion (H+) or pH	
Precipitation Chem		General		Sulphur (S)	
Precipitation Chem		Hydrogen ion (H+) or pH		Hydrogen ion (H+) or pH	
Precipitation Chem		Inorganic		Sulphur (S)	mass_concentration_of_sulphur_in_total_precipitation
Precipitation Chem		Inorganic, Acid		Strong acids	
Precipitation Chem		Inorganic, Anions		Bromide (Br-)	mass_concentration_of_bromide_in_total_precipitation
Precipitation Chem		Inorganic, Anions		Chloride (Cl-)	mass_concentration_of_chloride_in_total_precipitation
Precipitation Chem		Inorganic, Anions		Fluoride (F-)	mass_concentration_of_fluoride_in_total_precipitation
Precipitation Chem		Inorganic, Anions		Iodide (I-)	mass_concentration_of_iodide_in_total_precipitation
Precipitation Chem		Inorganic, Anions		Nitrate (NO3-)	mass_concentration_of_nitrate_in_total_precipitation
Precipitation Chem		Inorganic, Anions		Nitrite (NO2-)	mass_concentration_of_nitrite_in_total_precipitation
Precipitation Chem		Inorganic, Anions		Phosphate (PO4--)	mass_concentration_of_phosphate_in_total_precipitation
Precipitation Chem		Inorganic, Anions		Sulphate (SO4=), corrected	mass_concentration_of_sulphate_corrected_in_total_precipitation
Precipitation Chem		Inorganic, Anions		Sulphate (SO4=), total	mass_concentration_of_sulphate_total_in_total_precipitation
Precipitation Chem		Inorganic, Cations		Ammonium (NH4+)	mass_concentration_of_ammonium_in_total_precipitation
Precipitation Chem		Inorganic, Cations		Calcium (Ca++)	mass_concentration_of_calcium_in_total_precipitation
Precipitation Chem		Inorganic, Cations		Magnesium (Mg++)	mass_concentration_of_magnesium_in_total_precipitation
Precipitation Chem		Inorganic, Cations		Potassium (K+)	mass_concentration_of_potassium_in_total_precipitation
Precipitation Chem		Inorganic, Cations		Sodium (Na+)	mass_concentration_of_sodium_in_total_precipitation
Precipitation Chem		Inorganic, Trace elements		Aluminum (Al)	mass_concentration_of_aluminum_in_total_precipitation
Precipitation Chem		Inorganic, Trace elements		Arsenic (As)	mass_concentration_of_arsenic_in_total_precipitation
Precipitation Chem		Inorganic, Trace elements		Cadmium (Cd)	mass_concentration_of_cadmium_in_total_precipitation
Precipitation Chem		Inorganic, Trace elements		Chromium (Cr)	mass_concentration_of_chromium_in_total_precipitation
Precipitation Chem		Inorganic, Trace elements		Cobalt (Co)	mass_concentration_of_cobalt_in_total_precipitation
Precipitation Chem		Inorganic, Trace elements		Copper (Cu)	mass_concentration_of_copper_in_total_precipitation
Precipitation Chem		Inorganic, Trace elements		Iron (Fe)	mass_concentration_of_iron_in_total_precipitation

Precipitation Chem		Inorganic, Trace elements		Lead (Pb)	mass_concentration_of_lead_in_total_precipitation
Precipitation Chem		Inorganic, Trace elements		Manganese (Mn)	mass_concentration_of_manganese_in_total_precipitation
Precipitation Chem		Inorganic, Trace elements		Mercury (Hg)	mass_concentration_of_mercury_in_total_precipitation
Precipitation Chem		Inorganic, Trace elements		Nickel (Ni)	mass_concentration_of_nickel_in_total_precipitation
Precipitation Chem		Inorganic, Trace elements		Vanadium (V)	mass_concentration_of_vanadium_in_total_precipitation
Precipitation Chem		Inorganic, Trace elements		Vanadium (V), total aerosol	
Precipitation Chem		Inorganic, Trace elements		Zink (Zn)	mass_concentration_of_zinc_in_total_precipitation
Precipitation Chem		Inorganic, Trace elements		Zink (Zn), total aerosol	
Precipitation Chem		Organic, Acid		Acetate (CH3COO-)	mole_fraction_of_acetic_acid_in_air
Precipitation Chem		Organic, Acid		Formate (HCOO-)	mole_fraction_of_formic_acid_in_air
Precipitation Chem		Organic, Acid		Propionate (C2H5COO-)	
Precipitation Chem		Sulphur (S)		Sulphur (S)	mass_concentration_of_sulphur_in_total_precipitation
Precipitation Chem		Trace metals		Aluminum (Al)	
Precipitation Chem		Trace metals		Cadmium (Cd)	
Precipitation Chem		Trace metals		Chromium (Cr)	
Precipitation Chem		Trace metals		Cobalt (Co)	
Precipitation Chem		Trace metals		Copper (Cu)	
Precipitation Chem		Trace metals		Iron (Fe)	
Precipitation Chem		Trace metals		Lead (Pb)	
Precipitation Chem		Trace metals		Manganese (Mn)	
Precipitation Chem		Trace metals		Mercury (Hg)	
Precipitation Chem		Trace metals		Nickel (Ni)	
Precipitation Chem		Trace metals		Vanadium (V)	
Precipitation Chem		Trace metals		Zinc (Zn)	
Radio Nuclide		Beryllium [Be-7]		Beryllium [Be-7]	
Radio Nuclide		CO2 [C-14]		CO2 [C-14]	
Radio Nuclide		Krypton [Kr-85]		Krypton [Kr-85]	
Radio Nuclide		Lead [Pb-210]		Lead [Pb-210]	
Radio Nuclide		Radon [Rn-222]		Radon [Rn-222]	
Radiometric	Radiation	Longwave Broadband	IR	Longwave broadband brightness temperature	
Radiometric	Radiation	Longwave Broadband	IR	Longwave broadband downwelling irradiance	
Radiometric	Radiation	Longwave Broadband	IR	Longwave broadband net irradiance	
Radiometric	Radiation	Longwave Broadband	IR	Longwave broadband radiance	
Radiometric	Radiation	Longwave Broadband	IR	Longwave broadband upwelling irradiance	
Radiometric	Radiation	Longwave Broadband	IR	Net broadband total irradiance	
Radiometric	Radiation	Longwave Broadband	IR	Radiative heating rate	
Radiometric	Radiation	Longwave Narrowband	IR	Longwave narrowband brightness temperature	
Radiometric	Radiation	Longwave Narrowband	IR	Longwave narrowband downwelling irradiance	
Radiometric	Radiation	Longwave Narrowband	IR	Longwave narrowband radiance	
Radiometric	Radiation	Longwave Narrowband	IR	Longwave narrowband upwelling irradiance	
Radiometric	Radiation	Longwave Narrowband	IR	Surface skin temperature	
Radiometric	Radiation	Longwave Spectral	IR	Longwave spectral brightness temperature	
Radiometric	Radiation	Longwave Spectral	IR	Longwave spectral radiance	
Radiometric	Radiation	Microwave		Microwave narrowband brightness temperature	
Radiometric	Radiation	Microwave		Microwave radiation	
Radiometric	Radiation	Shortwave Broadband	Solar	Net broadband total irradiance	

Radiometric	Radiation	Shortwave Broadband	Solar	Radiative heating rate	
Radiometric	Radiation	Shortwave Broadband	Solar	Shortwave broadband diffuse downwelling irradiance	
Radiometric	Radiation	Shortwave Broadband	Solar	Shortwave broadband diffuse upwelling irradiance	
Radiometric	Radiation	Shortwave Broadband	Solar	Shortwave broadband direct downwelling irradiance	
Radiometric	Radiation	Shortwave Broadband	Solar	Shortwave broadband direct normal irradiance	
Radiometric	Radiation	Shortwave Broadband	Solar	Shortwave broadband radiance	
Radiometric	Radiation	Shortwave Broadband	Solar	Shortwave broadband total downwelling irradiance	
Radiometric	Radiation	Shortwave Broadband	Solar	Shortwave broadband total net irradiance	
Radiometric	Radiation	Shortwave Broadband	Solar	Shortwave broadband total upwelling irradiance	
Radiometric	Radiation	Shortwave Narrowband	UV	Shortwave narrowband diffuse downwelling irradiance	
Radiometric	Radiation	Shortwave Narrowband	UV	Shortwave narrowband diffuse upwelling irradiance	
Radiometric	Radiation	Shortwave Narrowband	UV	Shortwave narrowband direct downwelling irradiance	
Radiometric	Radiation	Shortwave Narrowband	UV	Shortwave narrowband direct normal irradiance	
Radiometric	Radiation	Shortwave Narrowband	UV	Shortwave narrowband radiance	
Radiometric	Radiation	Shortwave Narrowband	UV	Shortwave narrowband total downwelling irradiance	
Radiometric	Radiation	Shortwave Narrowband	UV	Shortwave narrowband total upwelling irradiance	
Radiometric	Radiation	Shortwave Spectral	UV	Shortwave spectral diffuse downwelling irradiance	
Radiometric	Radiation	Shortwave Spectral	UV	Shortwave spectral direct normal irradiance	
Radiometric	Radiation	Shortwave Spectral	UV	Shortwave spectral radiance	
Radiometric	Radiation	Shortwave Spectral	UV	Shortwave spectral total downwelling irradiance	
Reactive Gas		H2		H2	
Reactive Gas		H2O2 (hydrogen peroxide)		H2O2 (hydrogen peroxide)	
Reactive Gas		Nitrogen containing compounds		Ammonia (NH3)	
Reactive Gas		Nitrogen containing compounds		C2H3O5N (peroxyacetylnitrate, PAN)	
Reactive Gas		Nitrogen containing compounds		ClONO2 (chlorine nitrate)	
Reactive Gas		Nitrogen containing compounds		HCN (formonitrile, hydrogen cyanide)	
Reactive Gas		Nitrogen containing compounds		HNO3 (nitric acid)	
Reactive Gas		Nitrogen containing compounds		NO	
Reactive Gas		Nitrogen containing compounds		NO2	
Reactive Gas		Nitrogen containing compounds		NOx	
Reactive Gas		Nitrogen containing compounds		NOy	
Reactive Gas		Other		Ammonia (NH3)	
Reactive Gas		Other		C2Cl4	
Reactive Gas		Other		C2HCl3	
Reactive Gas		Other		CH2Br2 (dibromomethane)	
Reactive Gas		Other		CH2Cl2 (dichloromethane)	
Reactive Gas		Other		CH3Br (methylbromide)	
Reactive Gas		Other		CH3Cl (methylchloride)	
Reactive Gas		Other		CH3I (methyliodide)	
Reactive Gas		Other		CHBr3 (bromoform)	
Reactive Gas		Other		CHCl3 (chloroform)	
Reactive Gas		Other		CO	
Reactive Gas		Other		COF2 (difluoromethanal, carbonyl fluoride)	
Reactive Gas		Other		COS (Carbon oxide sulfide, carbonyl sulfide)	
Reactive Gas		Other		CS2 (Carbon disulfide)	
Reactive Gas		Other		H2O2 (hydrogen peroxide)	
Reactive Gas		Other		HCl (hydrochloric acid)	

Reactive Gas		Other		HF (hydrofluoric acid)	
Reactive Gas		Other		ROOH	
Reactive Gas		Sulfur containing compounds		COS (Carbon oxide sulfide, carbonyl sulfide)	
Reactive Gas		Sulfur containing compounds		CS2 (Carbon disulfide)	
Reactive Gas		Sulfur containing compounds		SO2	
Reactive Gas		VOCs		C2H2 (ethyne, acetylene)	
Reactive Gas		VOCs		C2H2O2 (oxaldehyde, ethanedial)	
Reactive Gas		VOCs		C2H4 (ethene)	
Reactive Gas		VOCs		C2H6 (ethane)	
Reactive Gas		VOCs		C2H6S (dimethylsulfide, DMS)	
Reactive Gas		VOCs		C3H4 (propyne)	
Reactive Gas		VOCs		C3H4O (prop-2-enal, acrolein)	
Reactive Gas		VOCs		C3H4O2 (2-oxopropanal, methylglyoxal)	
Reactive Gas		VOCs		C3H6 (propene)	
Reactive Gas		VOCs		C3H6O (acetone, propanone)	
Reactive Gas		VOCs		C3H6O (propanal)	
Reactive Gas		VOCs		C3H8 (propane)	
Reactive Gas		VOCs		C4H10 (2-methyl-1-butene)	
Reactive Gas		VOCs		C4H10 (2-methyl-2-butene)	
Reactive Gas		VOCs		C4H10 (3-methyl-1-butene)	
Reactive Gas		VOCs		C4H6 (1,3-butadiene, butadiene)	
Reactive Gas		VOCs		C4H6O (2-methylprop-2-enal, methacrolein)	
Reactive Gas		VOCs		C4H6O (but-3-en-2-one, methylvinylketone)	
Reactive Gas		VOCs		C4H8 (1-butene)	
Reactive Gas		VOCs		C4H8 (sum of butenes)	
Reactive Gas		VOCs		C4H8O (butan-2-one, methylethylketone)	
Reactive Gas		VOCs		C4H8O (butanal isomers)	
Reactive Gas		VOCs		C5H10 (1-pentene)	
Reactive Gas		VOCs		C5H10 (cyclopentane)	
Reactive Gas		VOCs		C5H10 (sum of 1-pentene & 2-methyl-2-butene)	
Reactive Gas		VOCs		C5H10 (sum of pentenes)	
Reactive Gas		VOCs		C5H10O (pentanal, valeraldehyde)	
Reactive Gas		VOCs		C5H12 & C4H8 (sum of 2,2-dimethylpropane & c-2-butene)	
Reactive Gas		VOCs		C5H12 (2,2-dimethylpropane)	
Reactive Gas		VOCs		C5H14 (2,3-dimethylbutane)	
Reactive Gas		VOCs		C5H8 (2-methyl-1,3-butadiene, isoprene)	
Reactive Gas		VOCs		C5H8 (cyclopentene)	
Reactive Gas		VOCs		C5Hn (n={10, 8}; sum of 3-methyl-1-butene & cyclopentene)	
Reactive Gas		VOCs		C5Hn (n={12, 10}; sum of n-pentane & cyclopentane)	
Reactive Gas		VOCs		C6H12 (cyclohexane)	
Reactive Gas		VOCs		C6H12 (methylcyclopentane)	
Reactive Gas		VOCs		C6H12O (hexanal isomers)	
Reactive Gas		VOCs		C6H14 (2,2-dimethylbutane)	
Reactive Gas		VOCs		C6H14 (2-methylpentane)	
Reactive Gas		VOCs		C6H14 (3-methylpentane)	
Reactive Gas		VOCs		C6H14 (n-hexane)	
Reactive Gas		VOCs		C6H14 (sum of methylpentanes)	

Reactive Gas		VOCs		C6H6 (benzene)	
Reactive Gas		VOCs		methylcyclopentane	
Reactive Gas		VOCs		methylcyclopentane	
Reactive Gas		VOCs		C6Hn (n=14, 12); sum of 3-methylpentane & cyclohexane)	
Reactive Gas		VOCs		C7H16 (sum of methylhexanes)	
Reactive Gas		VOCs		C7H6O (benzene carbaldehyde)	
Reactive Gas		VOCs		C7H8 (toluene)	
Reactive Gas		VOCs		C8H10 (ethylbenzene)	
Reactive Gas		VOCs		C8H10 (m-xylene)	
Reactive Gas		VOCs		C8H10 (o-xylene)	
Reactive Gas		VOCs		C8H10 (p,m-xylene)	
Reactive Gas		VOCs		C9H12 (1,2,4-trimethylbenzene)	
Reactive Gas		VOCs		C9H12 (1,3,5-trimethylbenzene)	
Reactive Gas		VOCs		c-C4H8 (cis-2-butene)	
Reactive Gas		VOCs		c-C5H10 (cis-2-pentene)	
Reactive Gas		VOCs		CH2O (formaldehyde)	
Reactive Gas		VOCs		CH3CH2OH (ethanol)	
Reactive Gas		VOCs		CH3CHO (acetaldehyde, ethanal)	
Reactive Gas		VOCs		CH3CN (acetonitrile)	
Reactive Gas		VOCs		CH3OH (methanol)	
Reactive Gas		VOCs		i-C4H10 (2-methylpropane, iso-butane)	
Reactive Gas		VOCs		i-C4H8 (2-methylpropene, iso-butene)	
Reactive Gas		VOCs		i-C5H12 (2-methylbutane, iso-pentane)	
Reactive Gas		VOCs		i-C7H16 (2-methylhexane, isoheptane)	
Reactive Gas		VOCs		n-C4H10 (n-butane)	
Reactive Gas		VOCs		n-C5H12 (n-pentane)	
Reactive Gas		VOCs		n-C7H16 (n-heptane)	
Reactive Gas		VOCs		NMHC	
Reactive Gas		VOCs		t-C4H8 (trans-2-butene)	
Reactive Gas		VOCs		t-C5H10 (trans-2-pentene)	
Surface Properties		Surface Flux		CO2 flux	
Surface Properties		Surface Flux		Friction velocity	
Surface Properties		Surface Flux		Latent heat flux	
Surface Properties		Surface Flux		Sensible heat flux	
Surface Properties		Surface Flux		Soil heat flux	
Surface Properties		Surface Flux		Soil moisture flux	
Surface Properties		Surface Flux		Soil surface temperature	
Surface Properties		Surface Flux		Surface moisture flux	
Surface Properties		Surface Flux		Surface stress	
Surface Properties		Surface/Subsurface State		Sea surface temperature	
Surface Properties		Surface/Subsurface State		Soil characteristics	
Surface Properties		Surface/Subsurface State		Soil moisture	
Surface Properties		Surface/Subsurface State		Soil surface temperature	
Surface Properties		Surface/Subsurface State		Surface albedo	
Surface Properties		Surface/Subsurface State		Surface condition	
Surface Properties		Surface/Subsurface State		Surface skin temperature	