

Air Quality and Meteorological Parameters	Naming Convention for OBS files	Significant Digits to Report	Units	Units in OBS files
NO (nitric oxide)	NO	0.1	ppb	PPB
NO2 (nitrogen dioxide)				
True measure	NO2T	0.1	ppb	PPB
NO _x -NO	NO2	0.1	ppb	PPB
NO _y -NO	NO2Y	0.1	ppb	PPB
NO _x (nitrogen oxides)	NOX	0.1	ppb	PPB
NO _y (total reactive nitrogen)	NOY	0.1	ppb	PPB
NO3 ion (nitrate-not adjusted for ammonium ion)	NO3	0.01	µg/m ³	UG/M3
SO4 ion (sulfates-not adjusted for ammonium ion)	SO4	0.01	µg/m ³	UG/M3
SO2 (sulfur dioxide)				
Conventional	SO2	0.1	ppb	PPB
Trace levels	SO2T	0.1	ppb	PPB
CO (carbon monoxide)				
Conventional	CO	0.01	ppm	PPM
Trace levels	COT	1	ppb	PPB
EC (elemental carbon) – PM2.5	EC	0.01	µg/m ³	UG/M3
OC (organic carbon—not adjusted for O, H) – PM2.5	OC	0.01	µg/m ³	UG/M3
BC (black carbon at 880nm)	BC	0.01	µg/m ³	UG/M3
UV-AETH (second channel of Aethalometer at 370nm)	UV-AETH	0.01	µg/m ³	UG/M3
PM _{2.5} mass	PM2.5	0.1	µg/m ³	UG/M3
PM ₁₀ mass	PM10	0.1	µg/m ³	UG/M3
Ozone	OZONE	1	ppb	PPB
Ambient temperature	TEMP	0.1	°C	C
Wind speed	WS	0.1	m/s	M/S
Wind direction	WD	0.1	degrees	DEGREES
Relative humidity	RHUM	1	%	PERCENT
Barometric pressure	BARPR	0.1	mb	MILLIBAR
Solar radiation	SRAD	0.1	Watts/m ²	WATTS/M2
Precipitation	PRECIP	0.1	mm	PRECIP