

Supplementary Material A Key.

location.....	Sample location	K.....	Percent potassium
mainClass.....	Primary particle class	Ti.....	Percent titanium
subClass.....	Secondary particle class	Cr.....	Percent chromium
partID.....	Particle number within quadrat	Mn.....	Percent manganese
dGeo.....	Geometric diameter in μm	Fe.....	Percent iron
area.....	Top-down area in μm^2	Co.....	Percent cobalt
aspect.....	Aspect ratio	Ni.....	Percent nickel
breadth.....	Breadth in μm	Cu.....	Percent copper
length.....	Length in μm	Zn.....	Percent zinc
perim.....	Perimeter in μm	Mo.....	Percent molybdenum
shape.....	AZtec shape output	Sn.....	Percent tin
TCPS.....	Total counts per second	Sb.....	Percent antimony
sd2.....	TCPS standard deviation	Nd.....	Percent neodymium
subOrdNum.....	Subclass number	N.....	Percent nitrogen
sourceClass.....	Source class	F.....	Percent fluorine
dAero.....	Aerodynamic diameter	Cl.....	Percent chlorine
Si.....	Percent silicon	S.....	Percent sulfur
Al.....	Percent aluminum	P.....	Percent phosphorus
Ca.....	Percent calcium		
Mg.....	Percent magnesium		
Ba.....	Percent barium		
Na.....	Percent sodium		