Assign each particle to a composition class

Define several broad size bins based on size and composition modes

Calculate particle type number fractions in each size bin

Apply particle type fractions to OPS integrated concentration in each bin

Particle type num/surf/vol/mass concentrations

Determine sulfate & organic mass fractions for non-refractory particle types

Sulfate & organic mass concentrations

Processed, quality-checked, size-resolved SPMS mass spectra

Assign or calculate density and shape factor and convert $D_a$ to $D_{ve}$

Quality-checked OPS size distributions

Sect. 3.2

Sect. 3.3

Sect. 3.3

Sect. 3.3

Sect. 3.7