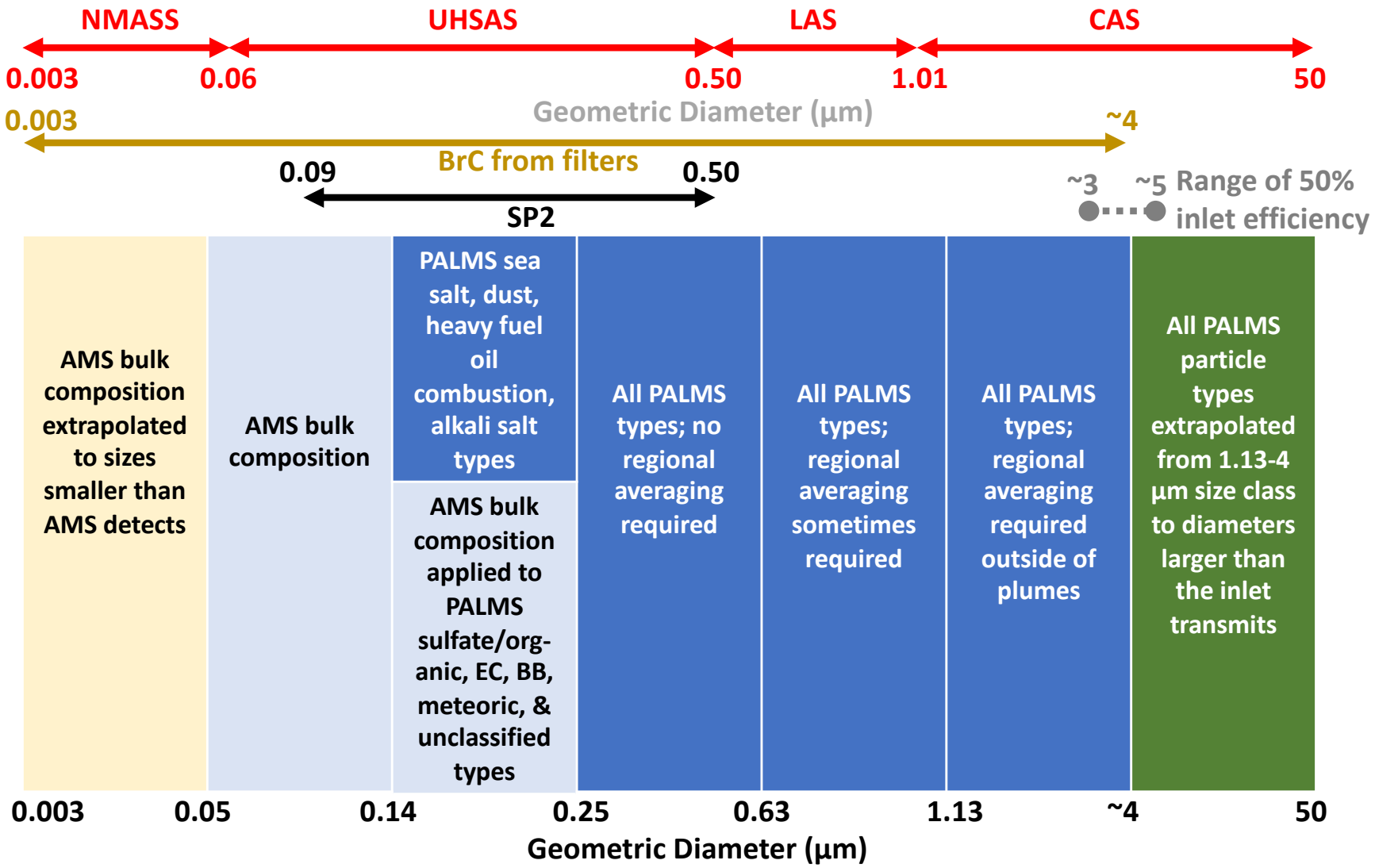
NMASS
UHSAS
LAS
CAS
0.003
0.06
0.50
1.01
50
Geometric Diameter (µm)
0.003
~4
BrC from filters
0.09
0.50
SP2
~3
~5
Range of 50% inlet efficiency
AMS bulk composition extrapolated to sizes smaller than AMS detects
AMS bulk composition
PALMS sea salt, dust, heavy fuel oil combustion, alkali salt types
AMS bulk composition applied to PALMS sulfate/organic, EC, BB, meteoric, & unclassified types
All PALMS types; no regional averaging required
All PALMS types; regional averaging sometimes required
All PALMS types; regional averaging required outside of plumes
All PALMS particle types extrapolated from 1.13-4 µm size class to diameters larger than the inlet transmits
0.003
0.05
0.14
0.25
0.63
1.13
~4
50
Geometric Diameter (µm)