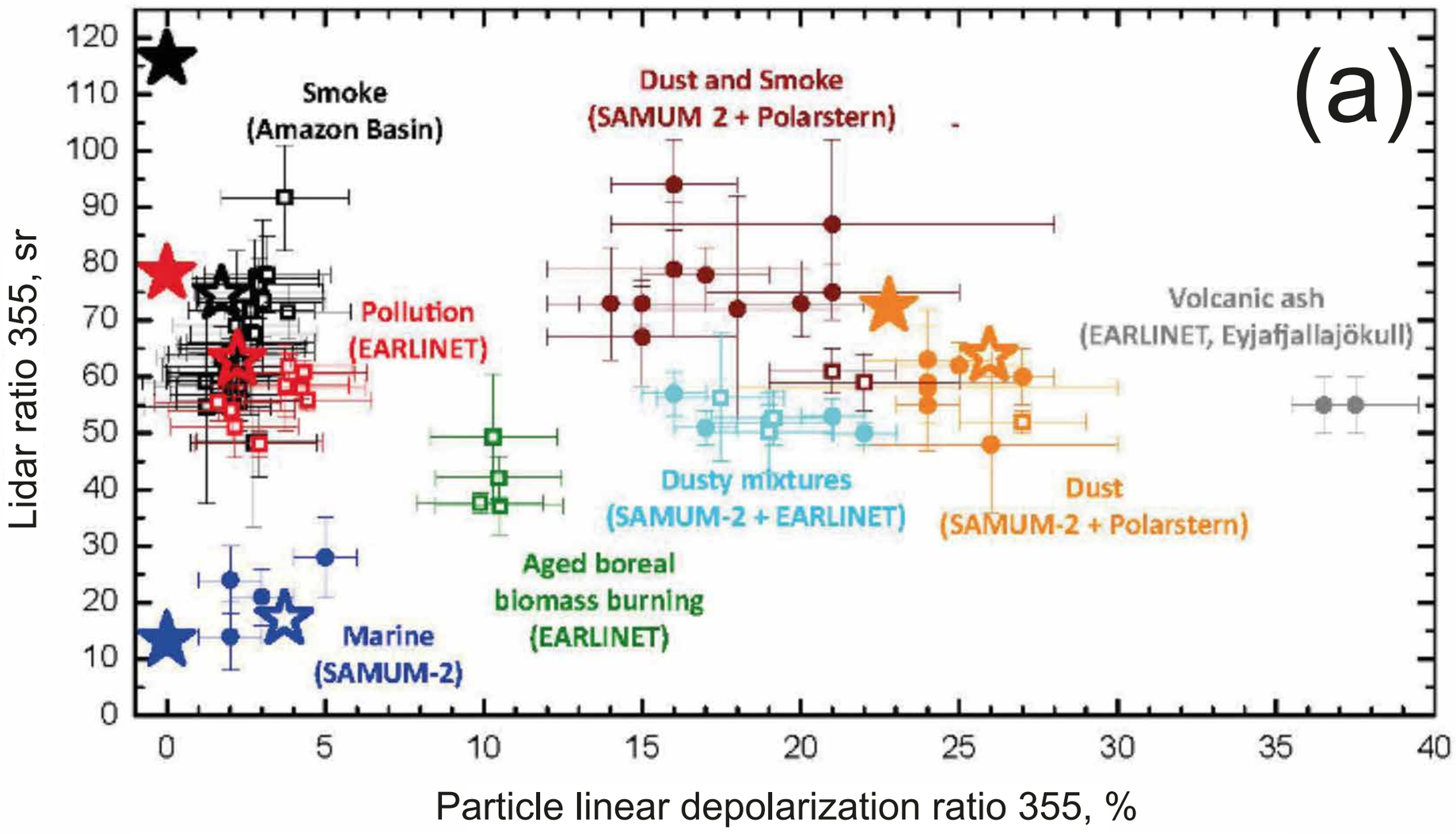
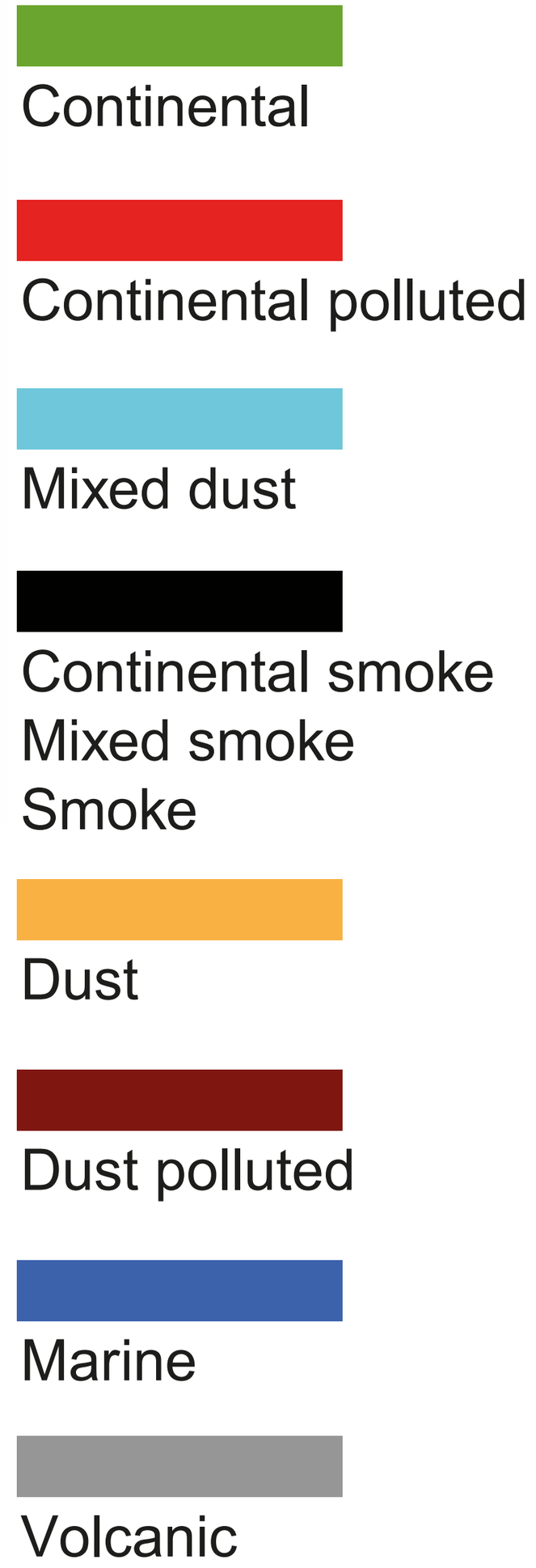
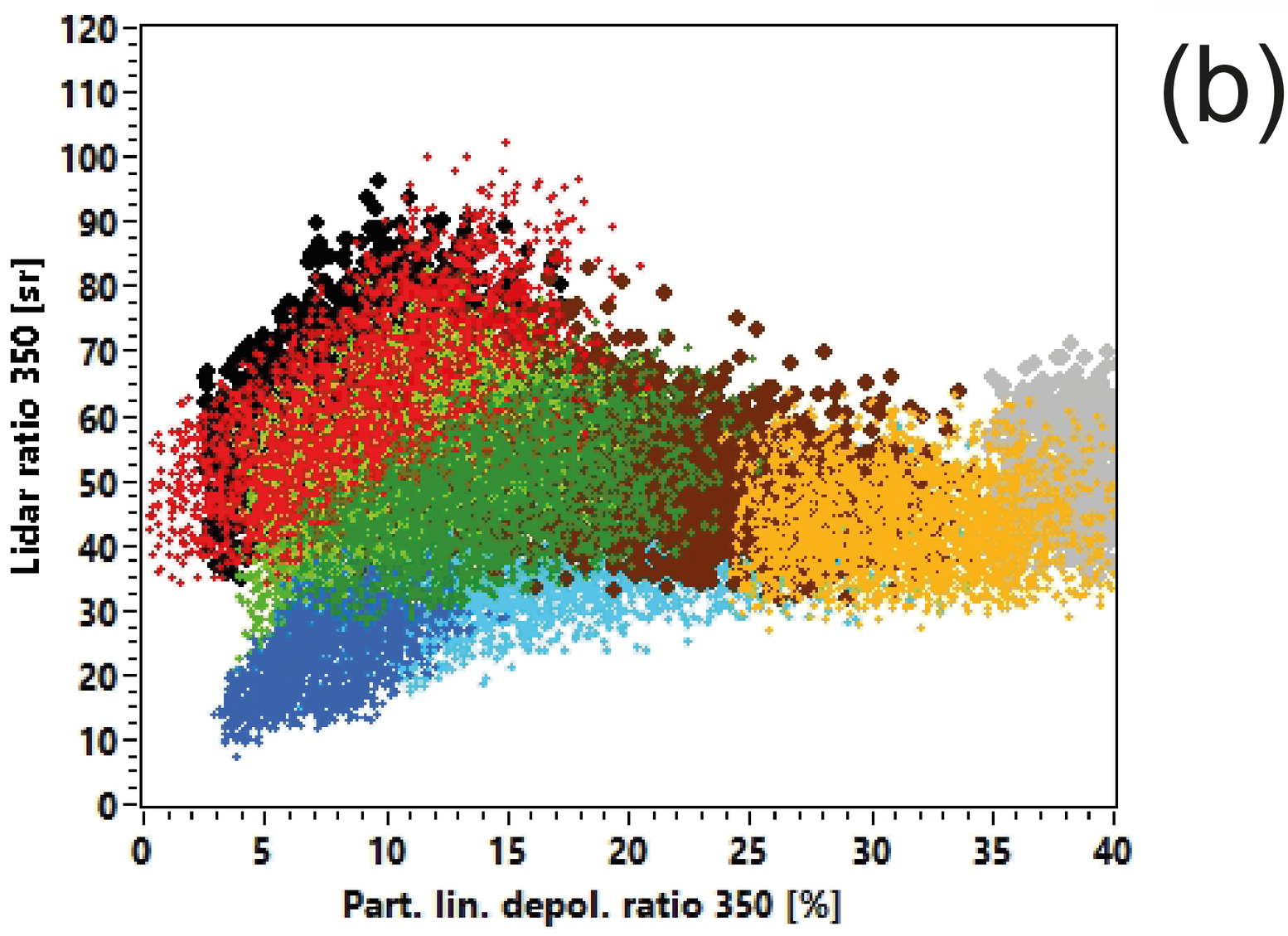

(a)
Smoke
(Amazon Basin)
Dust and Smoke
(SAMUM 2 + Polarstern)
Pollution
(EARLINET)
Volcanic ash
(EARLINET, Eyjafjallajökull)
Dusty mixtures
(SAMUM-2 + EARLINET)
Dust
(SAMUM-2 + Polarstern)
Aged boreal
biomass burning
(EARLINET)
Marine
(SAMUM-2)
Lidar ratio 355, sr
Particle linear depolarization ratio 355, %


Continental
Continental polluted
Mixed dust
Continental smoke
Mixed smoke
Smoke
Dust
Dust polluted
Marine
Volcanic


(b)
Lidar ratio 350 [sr]
Part. lin. depol. ratio 350 [%]