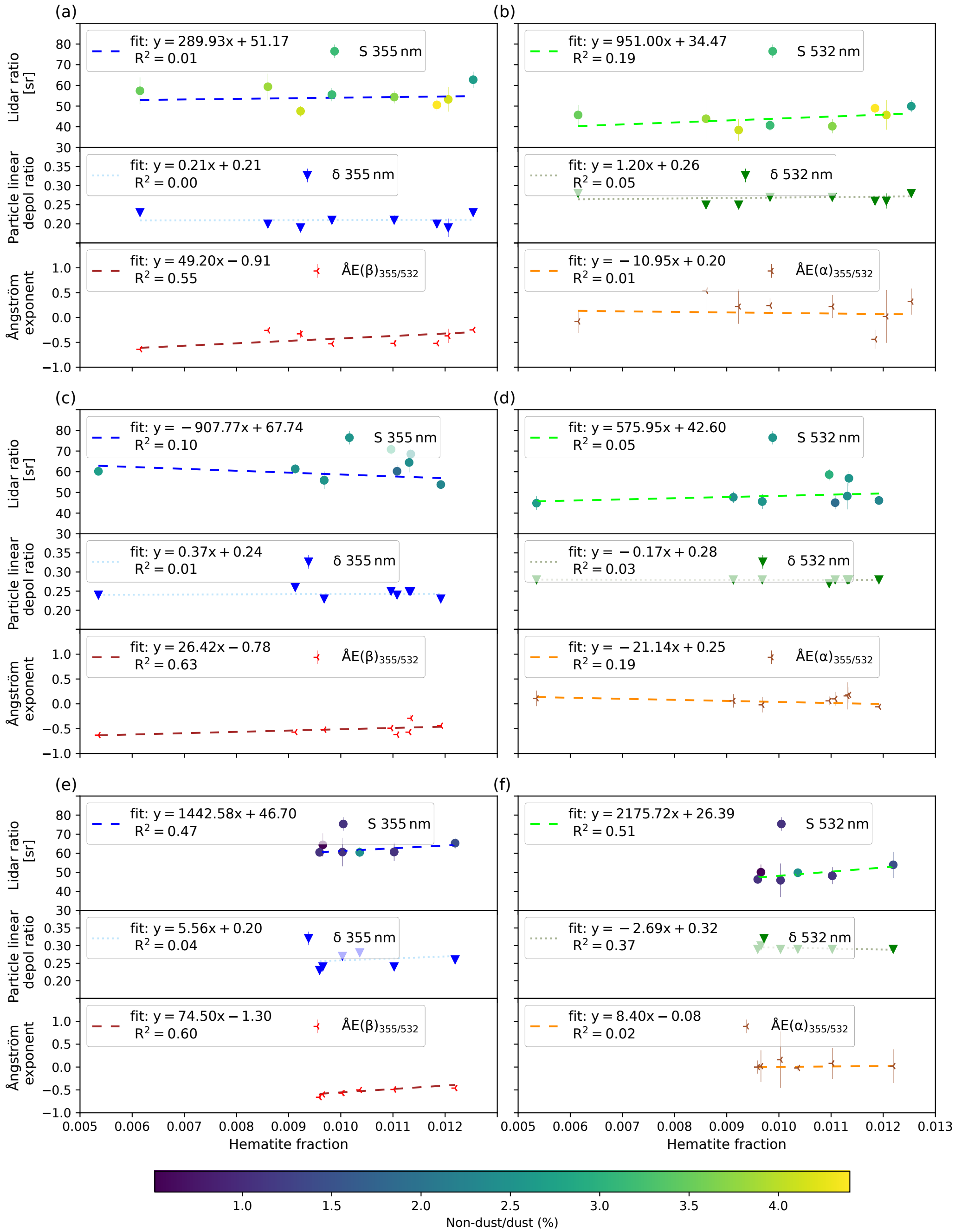
(a)
fit: y = 289.93x + 51.17
R² = 0.01
S 355 nm
fit: y = 0.21x + 0.21
R² = 0.00
δ 355 nm
fit: y = 49.20x − 0.91
R² = 0.55
ÅE(β)355/532
(b)
fit: y = 951.00x + 34.47
R² = 0.19
S 532 nm
fit: y = 1.20x + 0.26
R² = 0.05
δ 532 nm
fit: y = −10.95x + 0.20
R² = 0.01
ÅE(α)355/532
(c)
fit: y = −907.77x + 67.74
R² = 0.10
S 355 nm
fit: y = 0.37x + 0.24
R² = 0.01
δ 355 nm
fit: y = 26.42x − 0.78
R² = 0.63
ÅE(β)355/532
(d)
fit: y = 575.95x + 42.60
R² = 0.05
S 532 nm
fit: y = −0.17x + 0.28
R² = 0.03
δ 532 nm
fit: y = −21.14x + 0.25
R² = 0.19
ÅE(α)355/532
(e)
fit: y = 1442.58x + 46.70
R² = 0.47
S 355 nm
fit: y = 5.56x + 0.20
R² = 0.04
δ 355 nm
fit: y = 74.50x − 1.30
R² = 0.60
ÅE(β)355/532
(f)
fit: y = 2175.72x + 26.39
R² = 0.51
S 532 nm
fit: y = −2.69x + 0.32
R² = 0.37
δ 532 nm
fit: y = 8.40x − 0.08
R² = 0.02
ÅE(α)355/532
Lidar ratio [sr]
Particle linear depol ratio
Ångström exponent
Hematite fraction
Non-dust/dust (%)