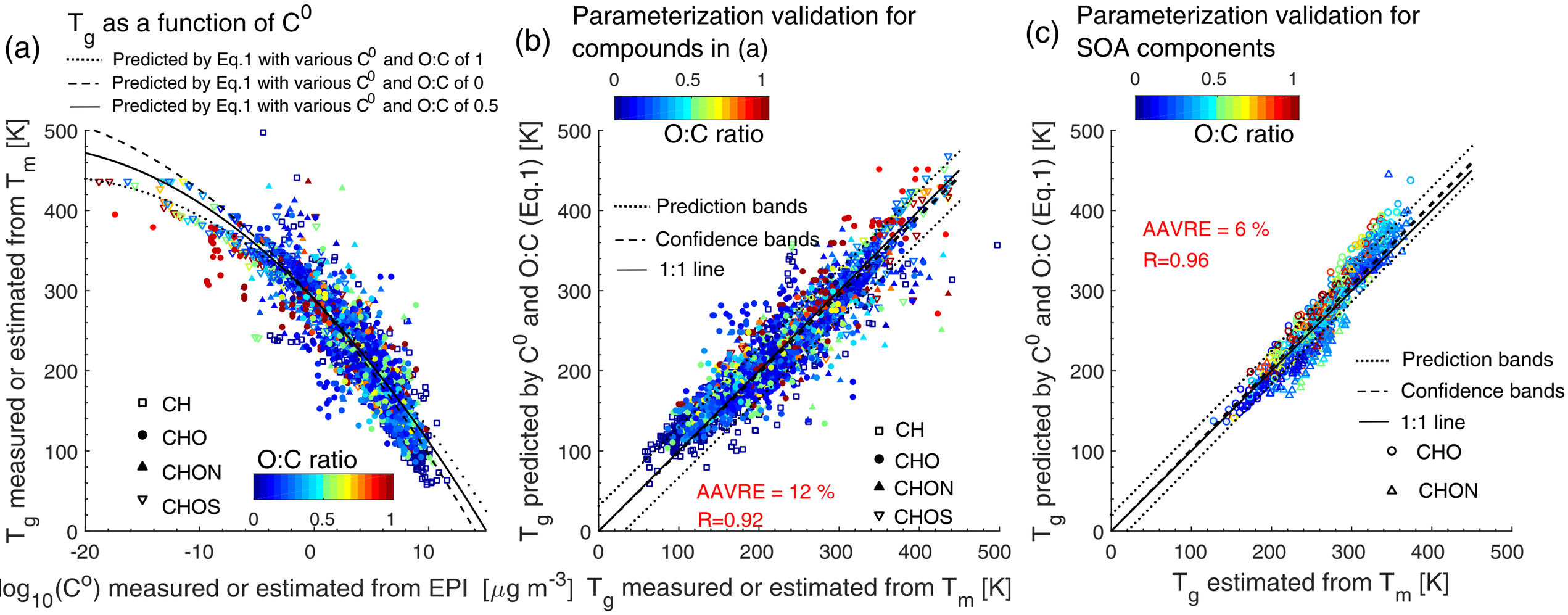
(a)
T_g as a function of C^0
Predicted by Eq.1 with various C^0 and O:C of 1
Predicted by Eq.1 with various C^0 and O:C of 0
Predicted by Eq.1 with various C^0 and O:C of 0.5
T_g measured or estimated from T_m [K]
CH
CHO
CHON
CHOS
O:C ratio
0
0.5
1
$\log_{10}(C^o)$ measured or estimated from EPI [μg m^{-3}]
(b)
Parameterization validation for compounds in (a)
O:C ratio
Prediction bands
Confidence bands
1:1 line
AAVRE = 12 %
R=0.92
T_g predicted by C^0 and O:C (Eq.1) [K]
T_g measured or estimated from T_m [K]
(c)
Parameterization validation for SOA components
O:C ratio
AAVRE = 6 %
R=0.96
Prediction bands
Confidence bands
1:1 line
CHO
CHON
T_g predicted by C^0 and O:C (Eq.1) [K]
T_g estimated from T_m [K]