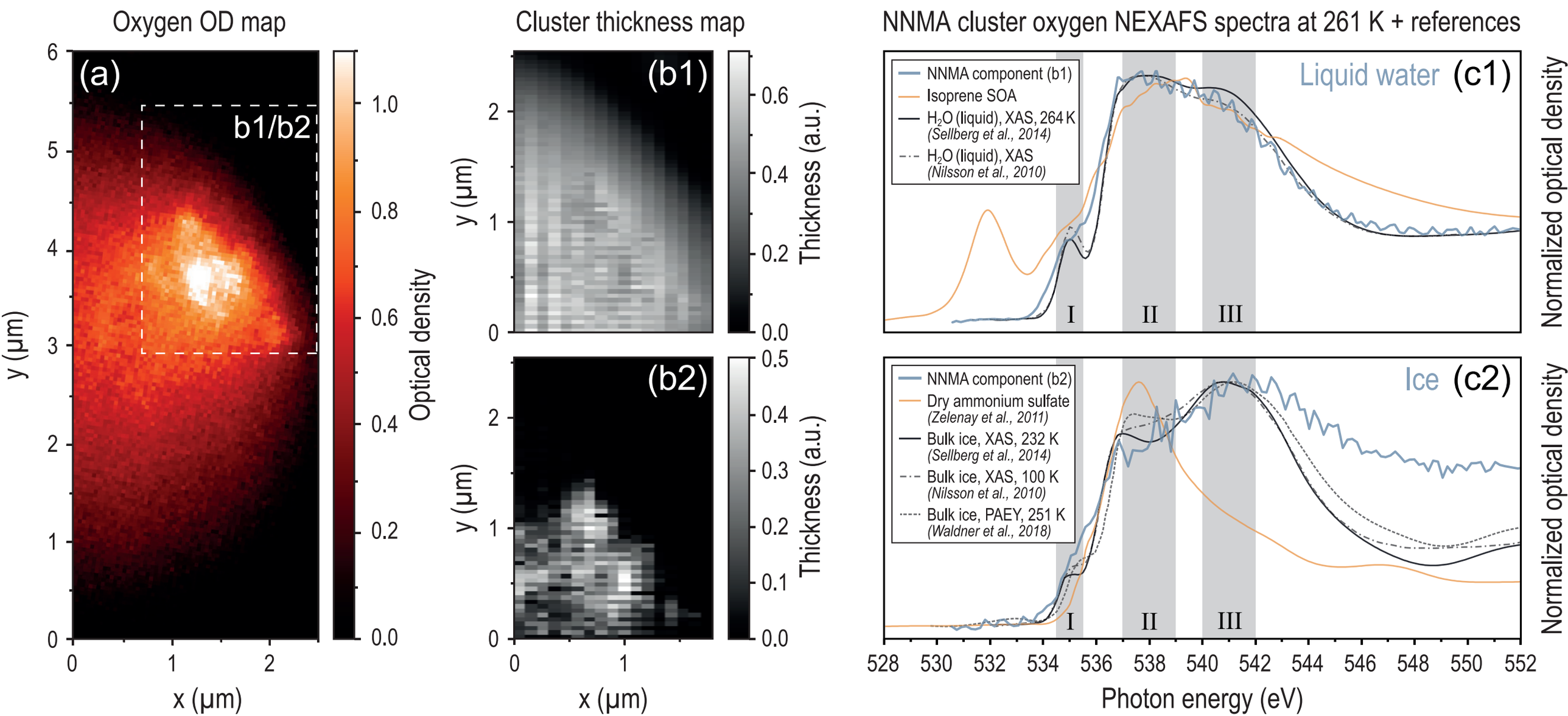
Oxygen OD map
(a)
b1/b2
y (μm)
x (μm)
Optical density
Cluster thickness map
(b1)
(b2)
Thickness (a.u.)
NNMA cluster oxygen NEXAFS spectra at 261 K + references
NNMA component (b1)
Isoprene SOA
H2O (liquid), XAS, 264 K (Sellberg et al., 2014)
H2O (liquid), XAS (Nilsson et al., 2010)
Liquid water (c1)
NNMA component (b2)
Dry ammonium sulfate (Zelenay et al., 2011)
Bulk ice, XAS, 232 K (Sellberg et al., 2014)
Bulk ice, XAS, 100 K (Nilsson et al., 2010)
Bulk ice, PAEY, 251 K (Waldner et al., 2018)
Ice (c2)
I
II
III
Normalized optical density
Photon energy (eV)