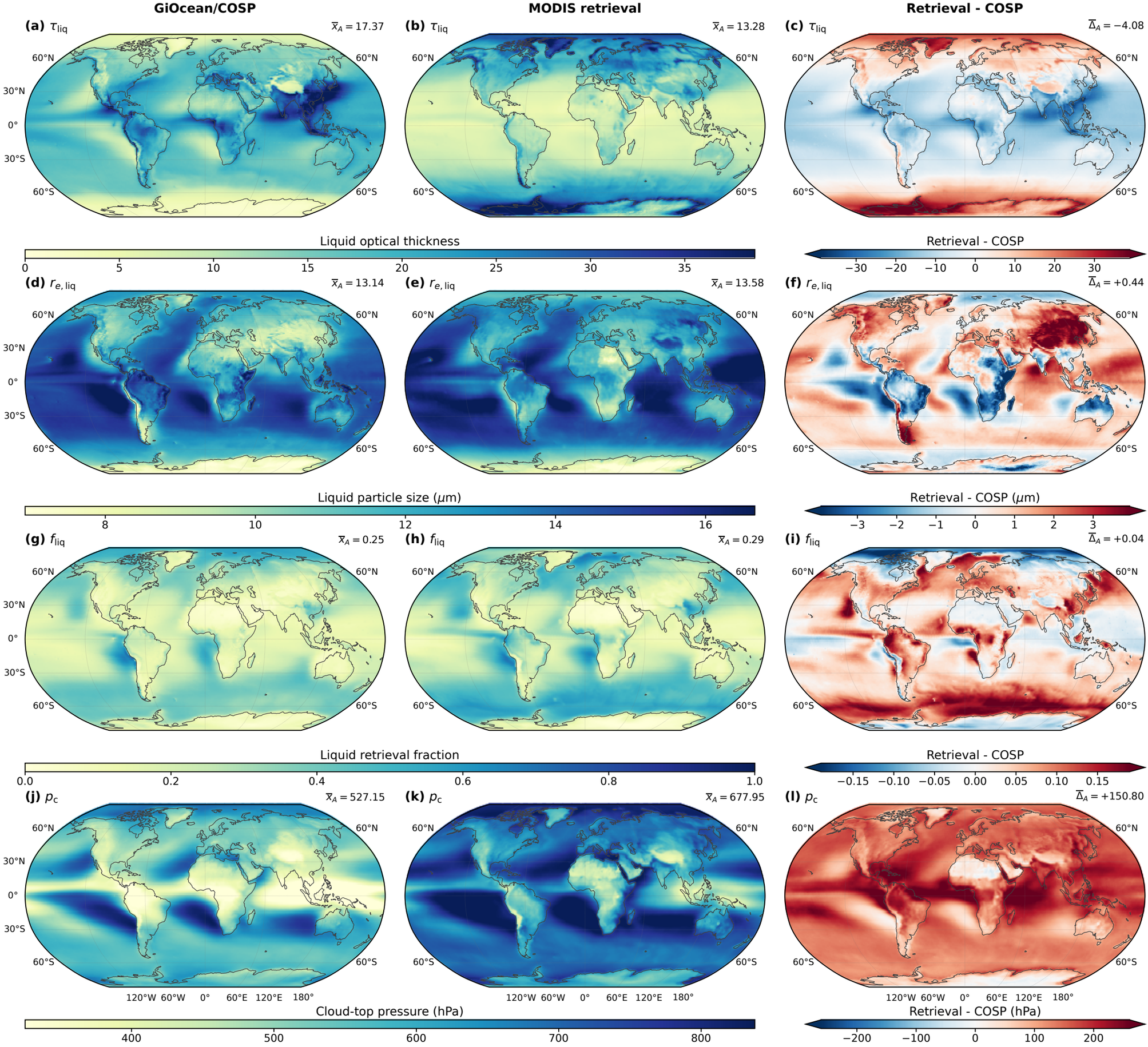

GiOcean/COSP
MODIS retrieval
Retrieval - COSP
(a) τ_{liq}
$\overline{x}_A = 17.37$
(b) τ_{liq}
$\overline{x}_A = 13.28$
(c) τ_{liq}
$\overline{\Delta}_A = -4.08$
60°N
30°N
0°
30°S
60°S
Liquid optical thickness
0 5 10 15 20 25 30 35
Retrieval - COSP
−30 −20 −10 0 10 20 30
(d) $r_{e,liq}$
$\overline{x}_A = 13.14$
(e) $r_{e,liq}$
$\overline{x}_A = 13.58$
(f) $r_{e,liq}$
$\overline{\Delta}_A = +0.44$
Liquid particle size (μm)
8 10 12 14 16
Retrieval - COSP (μm)
−3 −2 −1 0 1 2 3
(g) f_{liq}
$\overline{x}_A = 0.25$
(h) f_{liq}
$\overline{x}_A = 0.29$
(i) f_{liq}
$\overline{\Delta}_A = +0.04$
Liquid retrieval fraction
0.0 0.2 0.4 0.6 0.8 1.0
Retrieval - COSP
−0.15 −0.10 −0.05 0.00 0.05 0.10 0.15
(j) p_c
$\overline{x}_A = 527.15$
(k) p_c
$\overline{x}_A = 677.95$
(l) p_c
$\overline{\Delta}_A = +150.80$
120°W 60°W 0° 60°E 120°E 180°
Cloud-top pressure (hPa)
400 500 600 700 800
Retrieval - COSP (hPa)
−200 −100 0 100 200