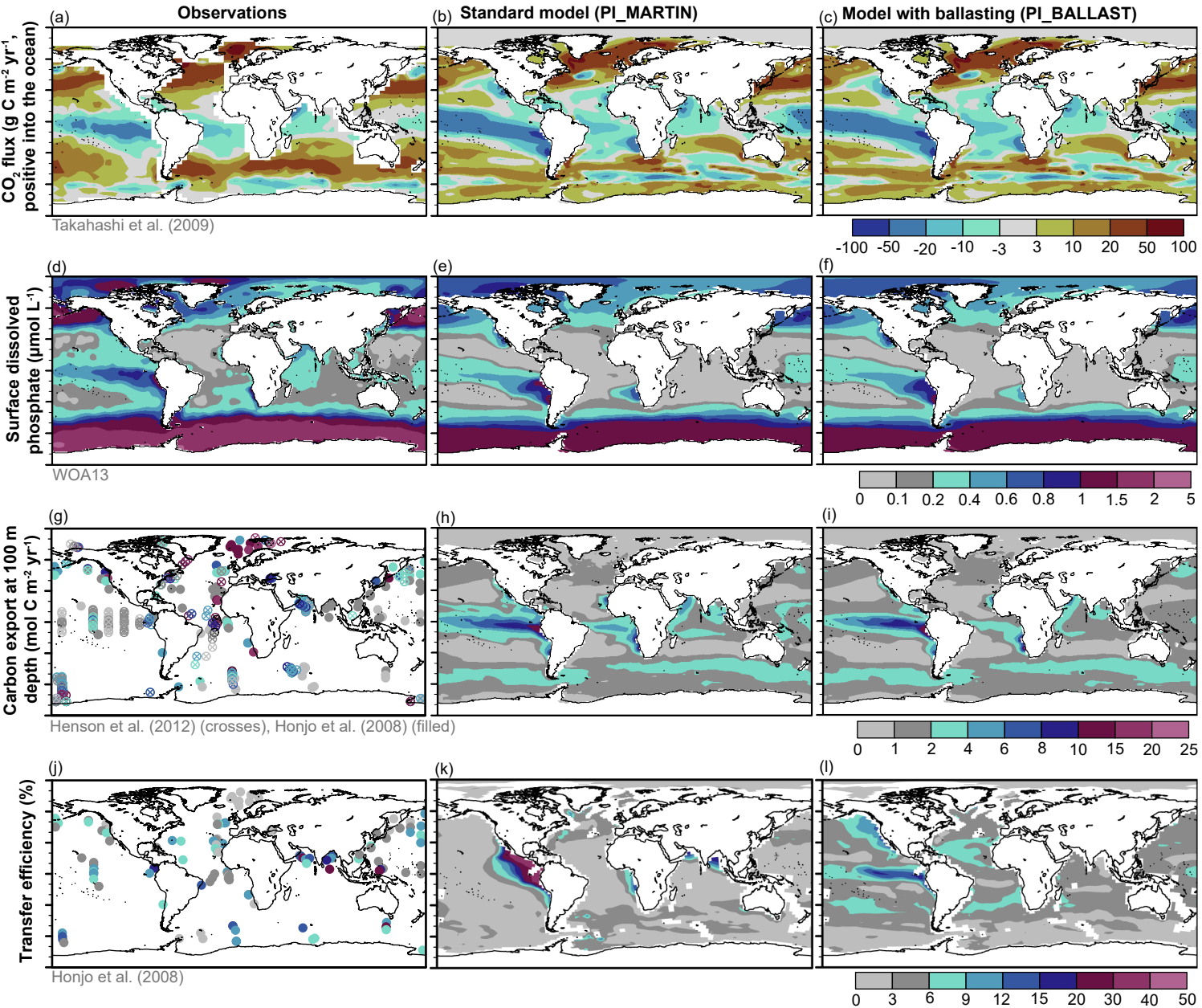
(a) Observations
(b) Standard model (PI_MARTIN)
(c) Model with ballasting (PI_BALLAST)
CO2 flux (g C m-2 yr-1, positive into the ocean)
Takahashi et al. (2009)
-100 -50 -20 -10 -3 3 10 20 50 100
(d)
(e)
(f)
Surface dissolved phosphate (µmol L-1)
WOA13
0 0.1 0.2 0.4 0.6 0.8 1 1.5 2 5
(g)
(h)
(i)
Carbon export at 100 m depth (mol C m-2 yr-1)
Henson et al. (2012) (crosses), Honjo et al. (2008) (filled)
0 1 2 4 6 8 10 15 20 25
(j)
(k)
(l)
Transfer efficiency (%)
Honjo et al. (2008)
0 3 6 9 12 15 20 30 40 50