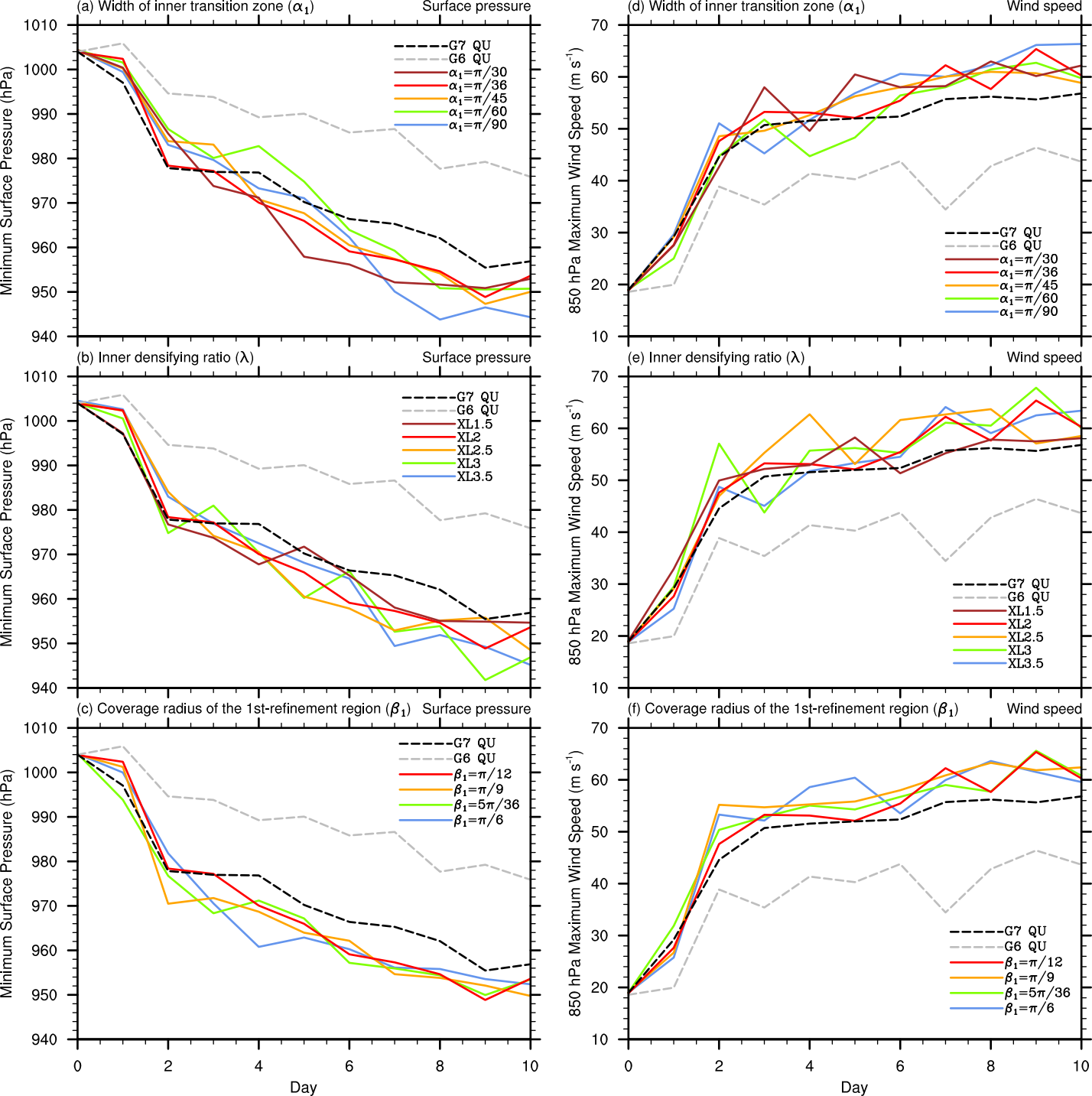
(a) Width of inner transition zone (α_1)
Surface pressure
Minimum Surface Pressure (hPa)
G7 QU
G6 QU
$\alpha_1=\pi/30$
$\alpha_1=\pi/36$
$\alpha_1=\pi/45$
$\alpha_1=\pi/60$
$\alpha_1=\pi/90$
(b) Inner densifying ratio (λ)
Surface pressure
Minimum Surface Pressure (hPa)
G7 QU
G6 QU
XL1.5
XL2
XL2.5
XL3
XL3.5
(c) Coverage radius of the 1st-refinement region (β_1)
Surface pressure
Minimum Surface Pressure (hPa)
G7 QU
G6 QU
$\beta_1=\pi/12$
$\beta_1=\pi/9$
$\beta_1=5\pi/36$
$\beta_1=\pi/6$
Day
(d) Width of inner transition zone (α_1)
Wind speed
850 hPa Maximum Wind Speed (m s^{-1})
G7 QU
G6 QU
$\alpha_1=\pi/30$
$\alpha_1=\pi/36$
$\alpha_1=\pi/45$
$\alpha_1=\pi/60$
$\alpha_1=\pi/90$
(e) Inner densifying ratio (λ)
Wind speed
850 hPa Maximum Wind Speed (m s^{-1})
G7 QU
G6 QU
XL1.5
XL2
XL2.5
XL3
XL3.5
(f) Coverage radius of the 1st-refinement region (β_1)
Wind speed
850 hPa Maximum Wind Speed (m s^{-1})
G7 QU
G6 QU
$\beta_1=\pi/12$
$\beta_1=\pi/9$
$\beta_1=5\pi/36$
$\beta_1=\pi/6$
Day