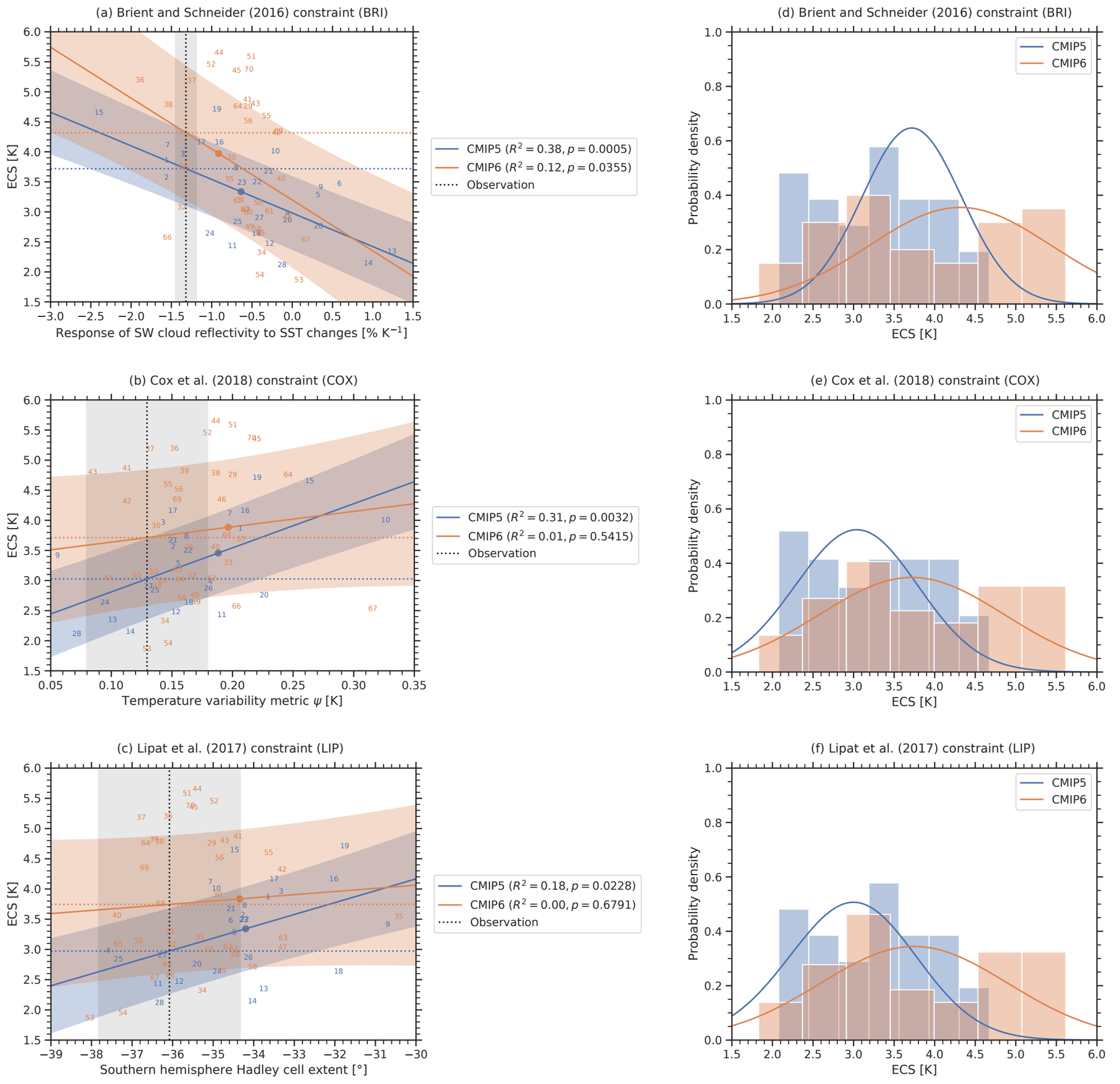
(a) Brient and Schneider (2016) constraint (BRI)
ECS [K]
Response of SW cloud reflectivity to SST changes [% K^{-1}]
CMIP5 ($R^2 = 0.38, p = 0.0005$)
CMIP6 ($R^2 = 0.12, p = 0.0355$)
Observation
(b) Cox et al. (2018) constraint (COX)
ECS [K]
Temperature variability metric ψ [K]
CMIP5 ($R^2 = 0.31, p = 0.0032$)
CMIP6 ($R^2 = 0.01, p = 0.5415$)
Observation
(c) Lipat et al. (2017) constraint (LIP)
ECS [K]
Southern hemisphere Hadley cell extent [°]
CMIP5 ($R^2 = 0.18, p = 0.0228$)
CMIP6 ($R^2 = 0.00, p = 0.6791$)
Observation
(d) Brient and Schneider (2016) constraint (BRI)
Probability density
ECS [K]
CMIP5
CMIP6
(e) Cox et al. (2018) constraint (COX)
Probability density
ECS [K]
CMIP5
CMIP6
(f) Lipat et al. (2017) constraint (LIP)
Probability density
ECS [K]
CMIP5
CMIP6