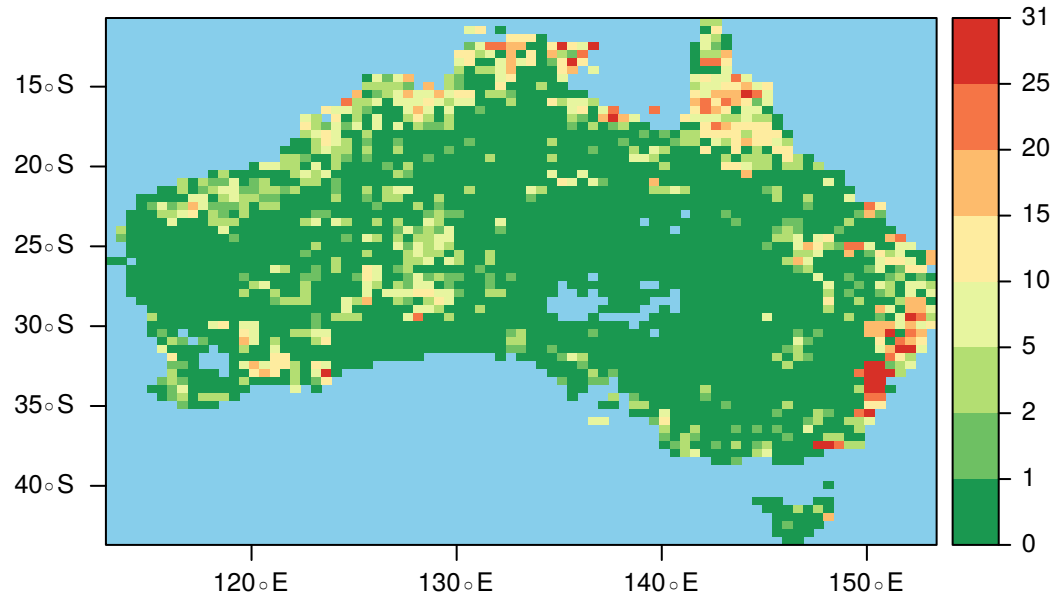
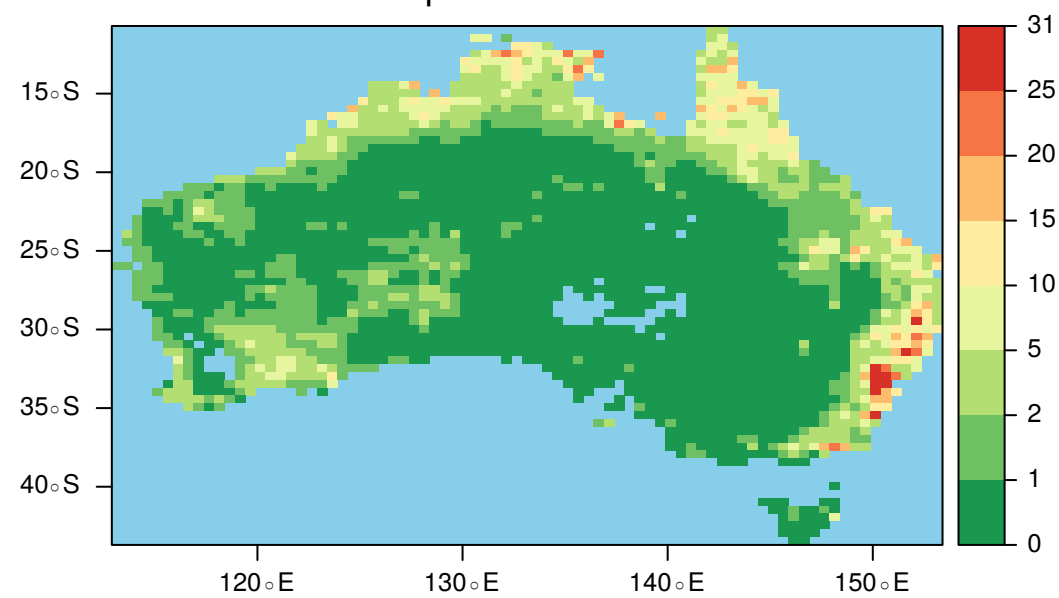
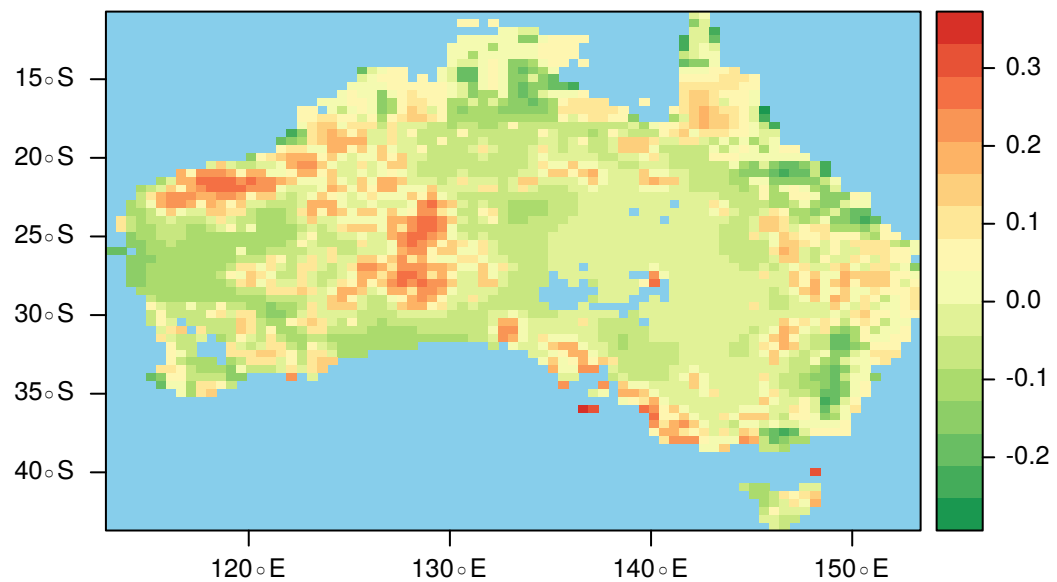
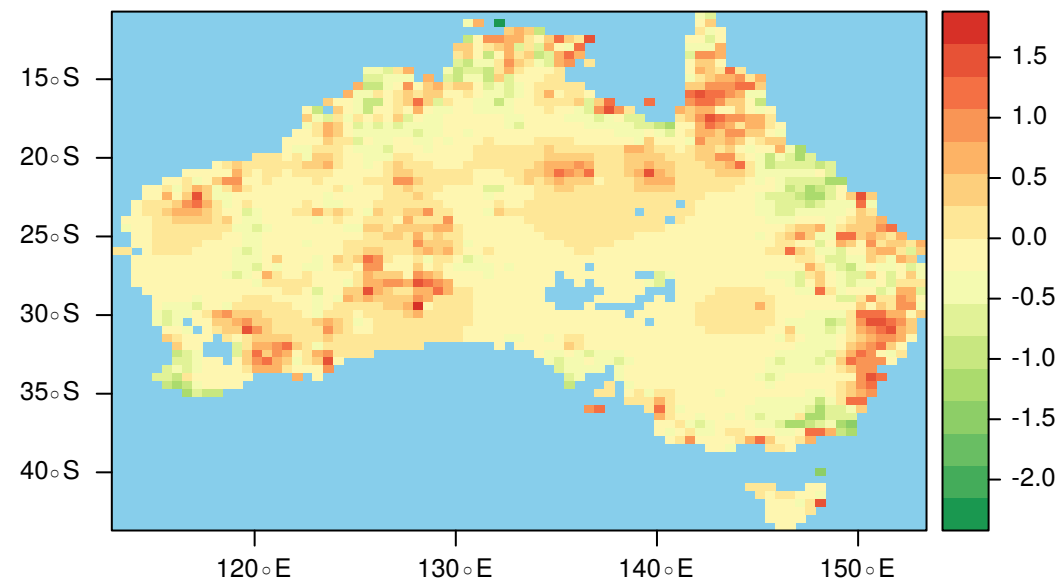
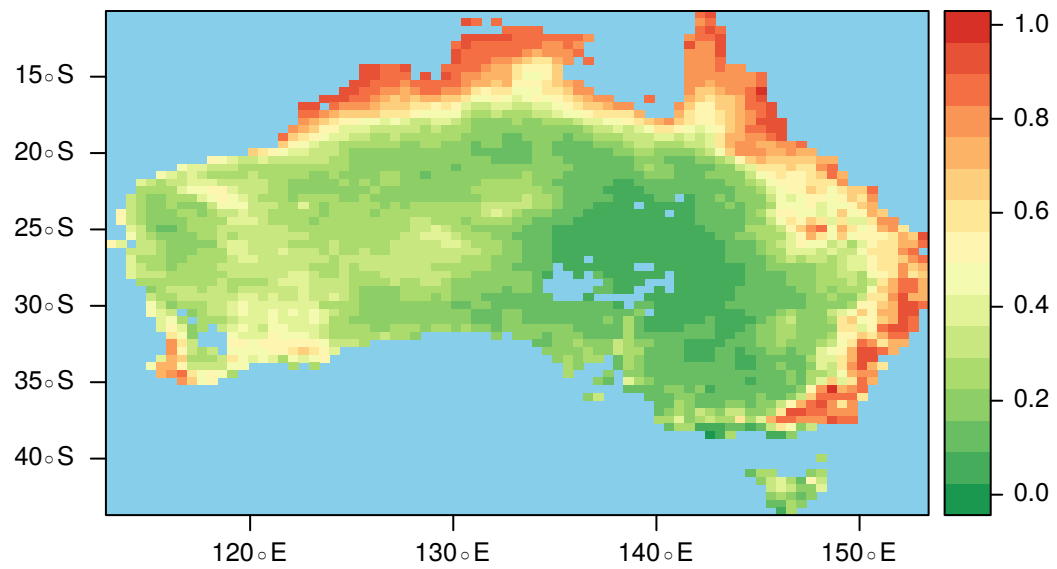
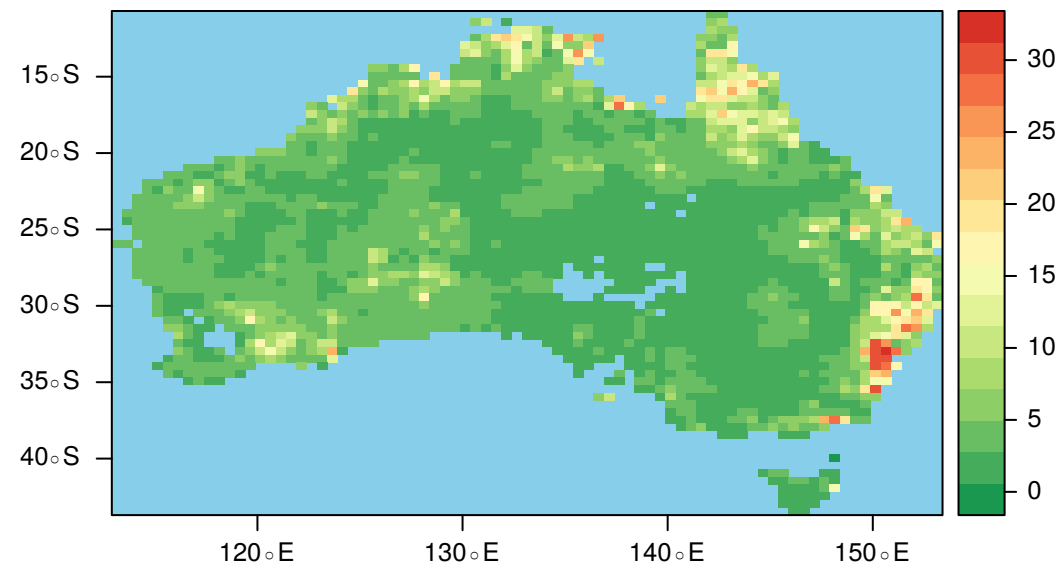


Actual counts



Expected counts

Latent spatial effects  $U_0$ Latent spatial effects  $U_+$  $\pi(z_i^T \beta_0 + U_0)$  $\lambda(z_i^T \beta_+ + U_+)$ 

Longitude