

Figure 1. A map of the forest regions used in the study. Regions are: Amazon $15^{\circ}\text{S} - 15^{\circ}\text{N}$, $270^{\circ}\text{E} - 315^{\circ}\text{E}$; Central Africa; $15^{\circ}\text{S} - 10^{\circ}\text{N}$, $7.5^{\circ}\text{E} - 30^{\circ}\text{E}$; SE Asia $12^{\circ}\text{S} - 10^{\circ}\text{N}$, $90^{\circ}\text{E} - 150^{\circ}\text{E}$; North America $45^{\circ}\text{N} - 65^{\circ}\text{N}$, $230^{\circ}\text{E} - 300^{\circ}\text{E}$.

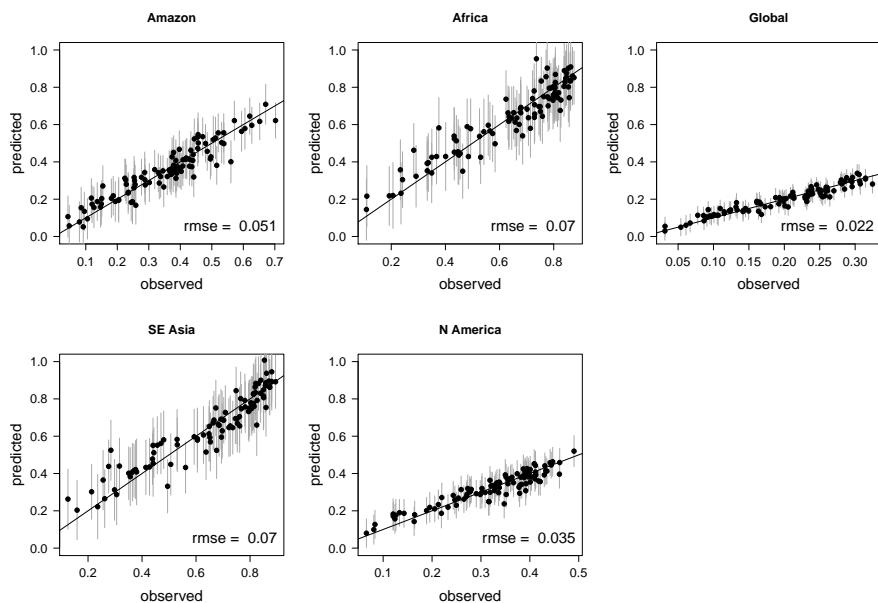


Figure 2. Leave-one-out cross validation performance of the emulator, when reproducing each forest fraction. Black points represent the emulator central estimate of a held-out point, with grey lines representing ± 2 standard deviations.