Appendix 1

Fig. A1: Individual landscapes contingency tables for height class and topographic position.

Statistical relevance was determined with a chi-square test, from a subset of random points.
between emergent crowns > 45 m (ETC) and surrounding tree crowns 10-45 m (STC). A) Piro North ($p < .005$), B) Piro South ($p < .005$), C) San Pedrillo ($p < .0001$), D) Drake ($p < .0005$) E) Gamba ($p < .0001$).
Fig. A2: Remotely sensed foliar N comparisons for each site. Statistical relevance was determined with a $t$ test. A) Piro North ($p < .0001$), B) Piro South ($p < .0001$), C) San Pedrillo ($p < .0001$), D) Drake ($p < .05$), E) Gamba ($p < .05$).
**Fig. A3:** Normalized reflectance for emergent trees (ETC; in blue) and surrounding trees (STC; in red). A) Piro North, B) Piro South, C) San Pedrillo, D) Gamba, and E) Drake.