

Figure 2: Comparison of whole-forest photosynthesis (carbon uptake) over a range of temperatures in the Biosphere 2 tropical forest mesocosm (B2-TF) and a humid tropical forest, the Tapajos National Forest, Brazil. Where the natural forest site shows a precipitous decline in carbon uptake around 28C, the B2-TF shows little decline in function up to 38C. As the total leaf area per meter-squared in each forest is different, the total amount of carbon uptake at a given temperature is not comparable. Data from the Tapajos reproduced from Doughty and Gouldon (2008, "Are tropical forests near a high temperature threshold?", Journal of Geophysical Research-Biogeosciences, Vol 113).

