



# AMS

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## Supplemental Material

*Weather and Forecasting*

A Simple Model for Predicting the Tropical Cyclone Radius of Maximum Wind from Outer Size  
<https://doi.org/10.1175/WAF-D-21-0103.1>

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1 **Supplementary Information: A simple model for predicting the tropical**  
2 **cyclone radius of maximum wind from outer size**

3 Daniel R. Chavas\*

4 *Purdue University, Department of Earth, Atmospheric, and Planetary Sciences, West Lafayette,*

5 *IN*

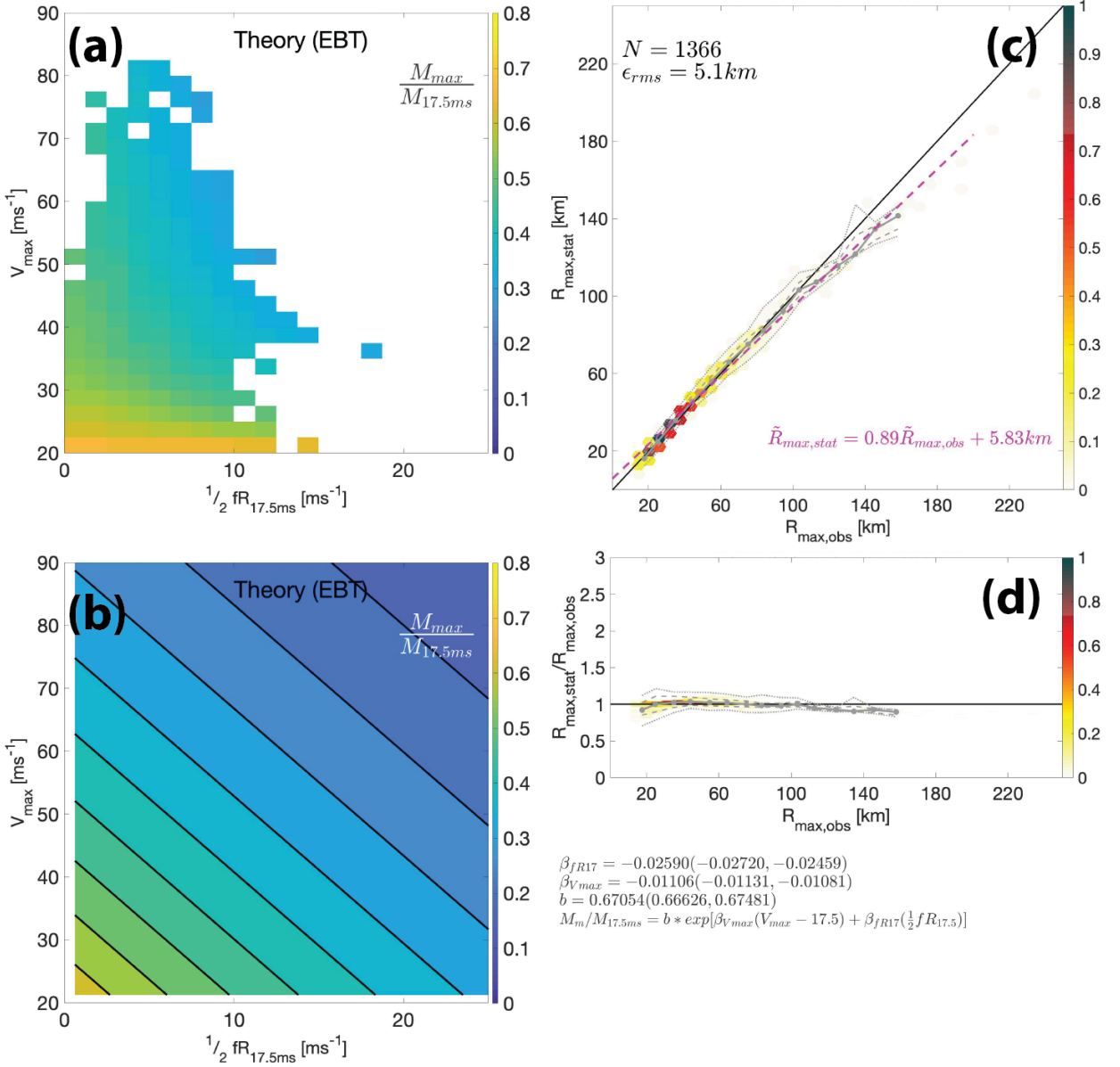
6 John A. Knaff

7 *NOAA Center for Satellite Applications and Research, Fort Collins, Colorado*

8 \*Corresponding author address: Daniel R. Chavas, Purdue University, Department of Earth, At-  
9 mospheric, and Planetary Sciences, 550 Stadium Mall Drive HAMP 3221, West Lafayette, IN  
10 47907.

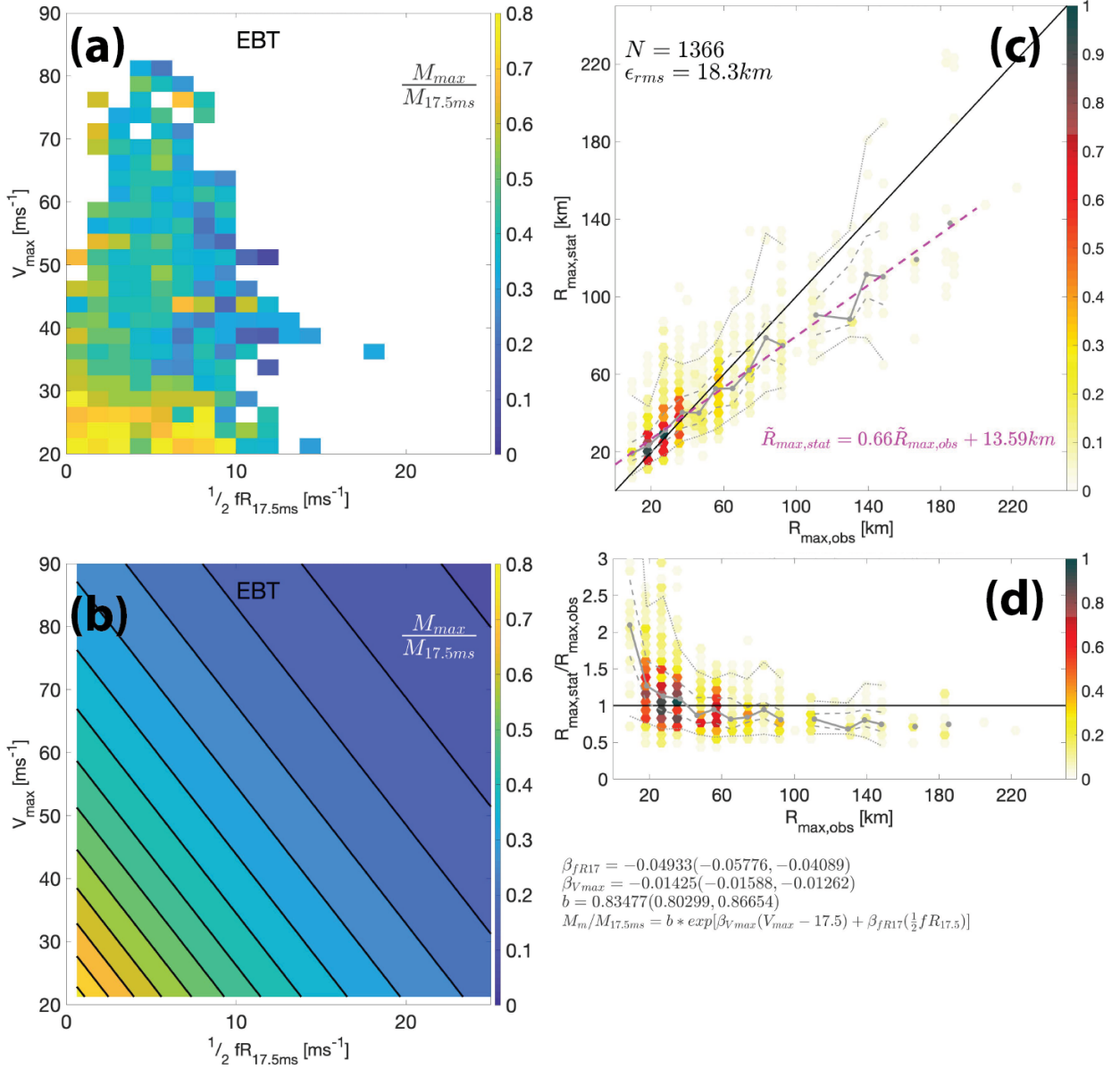
11 E-mail: drchavas@gmail.com

## Theory: linear model fit



17 FIG. 1. As in Figure 2 of the main text, but for the linear version of our log-link regression model with  
 18 predictors  $(V_{max} - 17.5 ms^{-1})$  and  $\frac{1}{2}fR_{17.5ms}$ .

## Extended Best Track: linear model fit



19 FIG. 2. As in Figure 5 of the main text, but for the linear version of our log-link linear regression model with  
 20 predictors ( $V_{max} - 17.5 ms^{-1}$ ) and  $\frac{1}{2}fR_{17.5ms}$ .