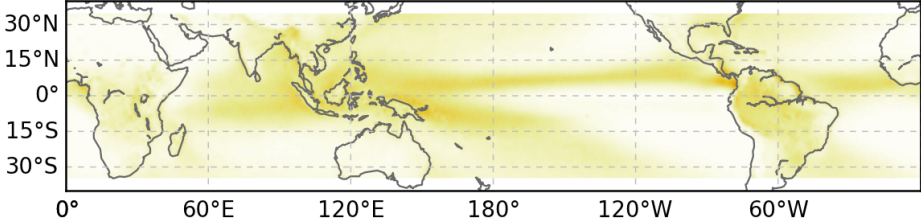


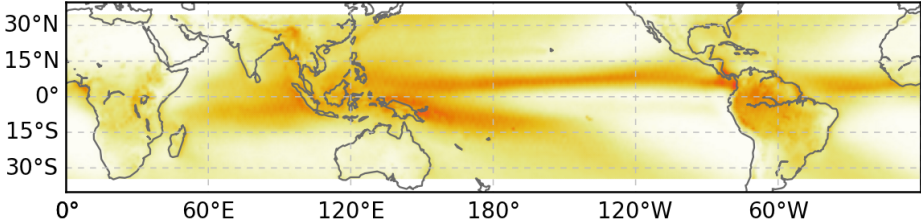
Supplementary Figures

RFO, Terra+Aqua, 2002.12-2015.11

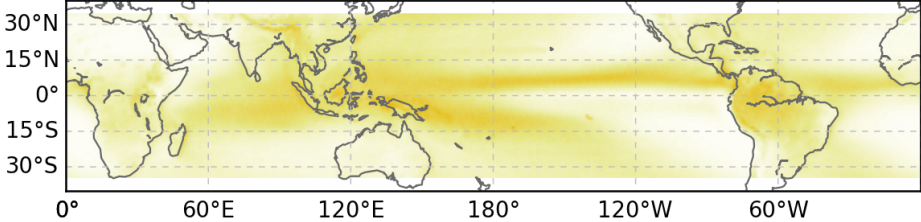
(a) $P5 > 0.0$ (RFO=4.6%)



(b) $P4 > 0.0$ (RFO=11.0%)



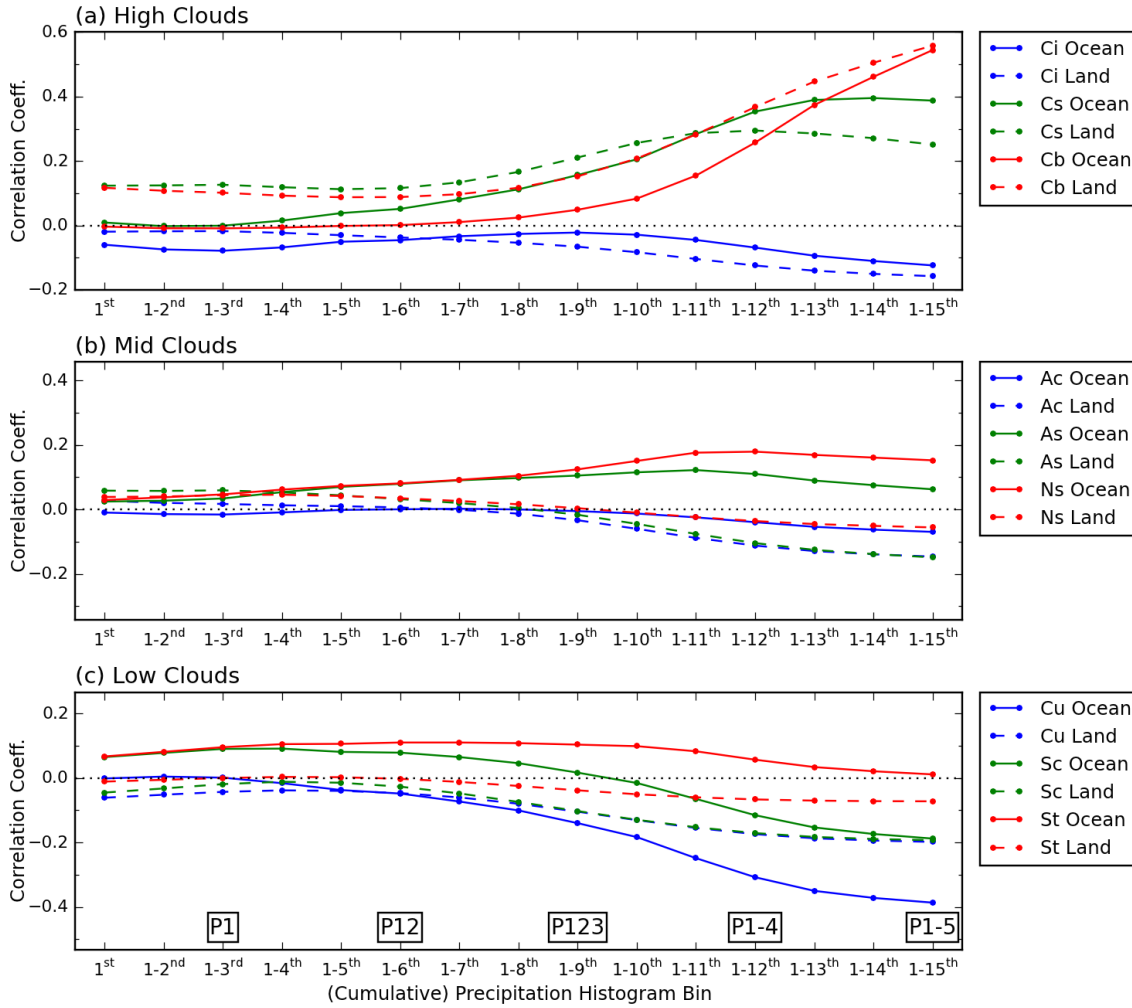
(c) $P4 > 0.$ and $P5 = 0.$ (RFO=6.7%)



0% 15% 30% 45% 60% 75% 90%

Supplementary Figure 1: Map of relative frequency of occurrence (RFO) of the following conditions: (a) $P5$ values greater than 0; (b) $P4$ values greater than 0; and (c) $P4$ greater than zero, but no $P5$.

Cld Type vs. P_Histogram Corr. [35S-35N, T+A]



Supplementary Figure 2: Same as Fig. 11, but with the x-axis starting at the 1st bin and accumulating up to the heaviest 15th bin, which is equivalent to the sum from P1 to P5 or total rainy fraction.