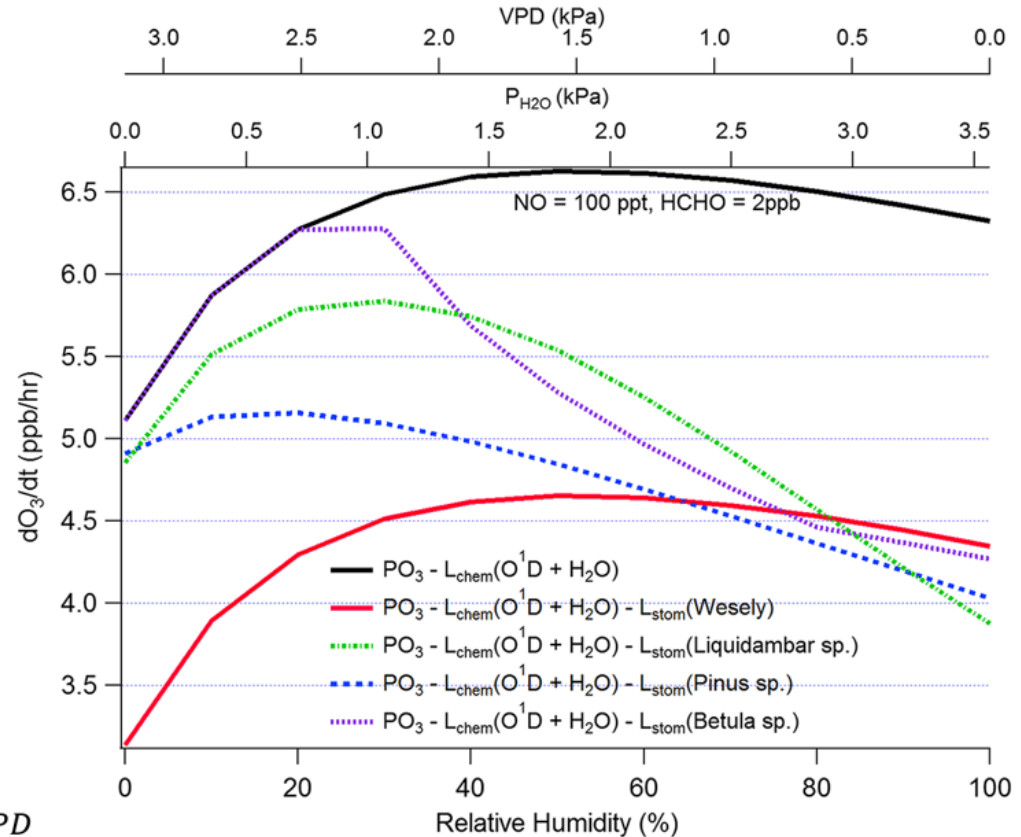
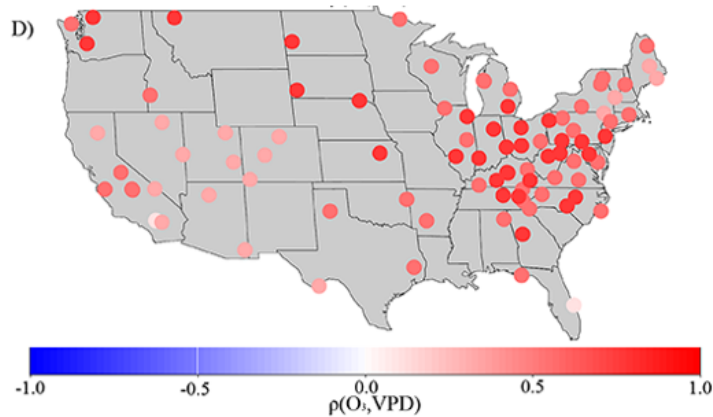




Looking for Indirect Observations of Dry Deposition: The Ambient Ozone-VPD Correlation

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Wesely scheme for stomatal conductance

$$g_s = LAI \cdot g_{\max} \frac{400(T(40-T))}{1+(200(SR+0.1))^{-1}^2}$$

Empirical *Liquidambar styraciflua* scheme for stomatal conductance [Gunderson, 2002]

$$g_s = LAI \cdot g_{\max} \frac{D_{O_3}}{D_{H_2O}} 1.74 \times 10^{-1.12 \times VPD}$$

Instantaneous ozone rate of change ($PO_3 - LO_3$) under simulated summer conditions. Stomatal loss is parameterized by using the Wesely scheme (red) and then for three species-specific VPD-dependent empirical parametrizations (sequential dashed lines).

Session 2: Stomatal Deposition (Topic A)