

Supporting Information

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TITLE: Causes of Variability in Pesticide and PCB Concentrations in Air near the Great Lakes

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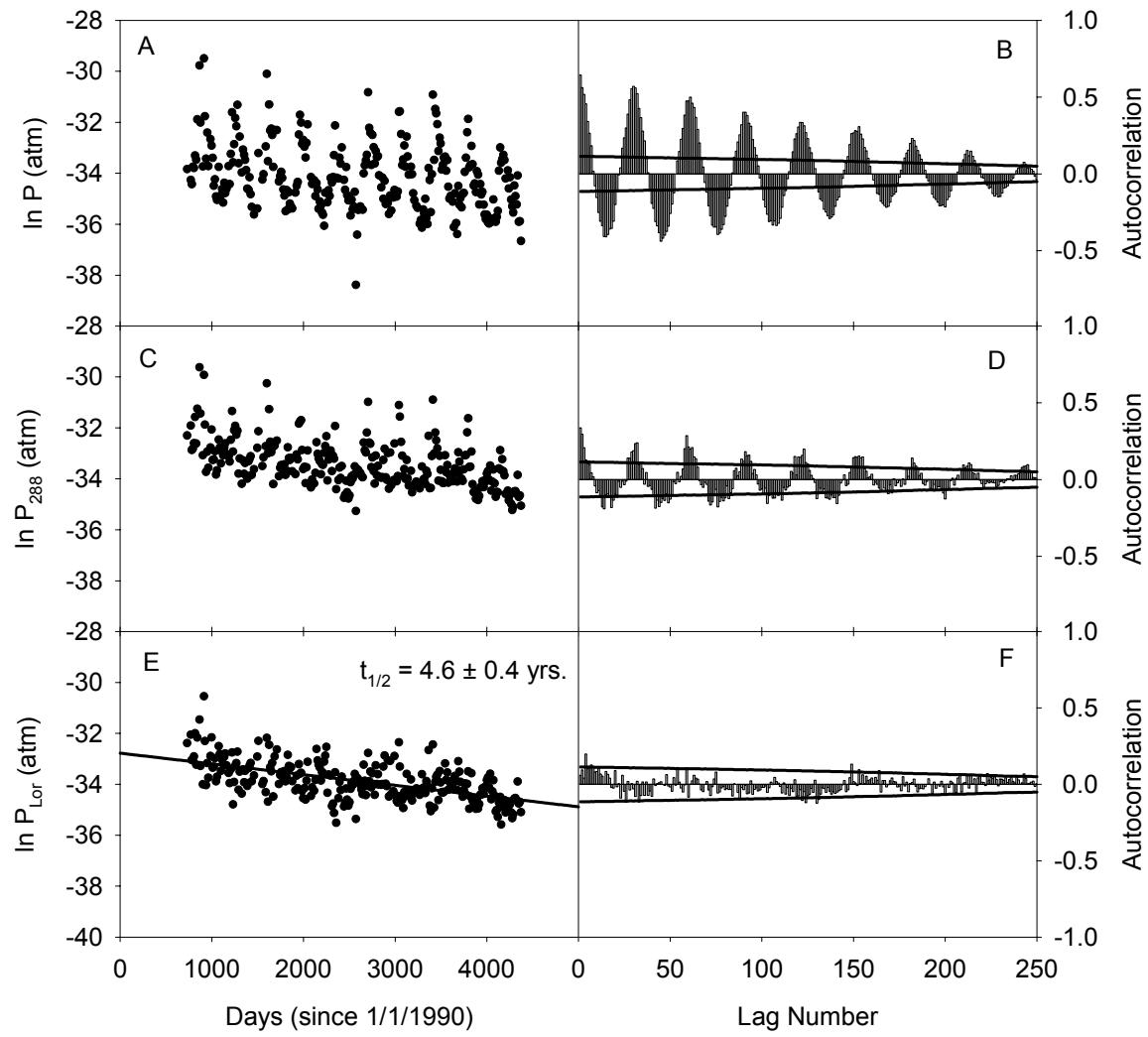


Figure SI-1. Sleeping Bear Dunes γ -HCH partial pressures vs. time for $\ln P$ (A), $\ln P_{288}$ (C), and $\ln P_{\text{Lor}}$ (E) with corresponding autocorrelation plots for $\ln P$ (B), residuals from Equation 1 (D), and residuals from Equation 2 (F). See Figure 1.

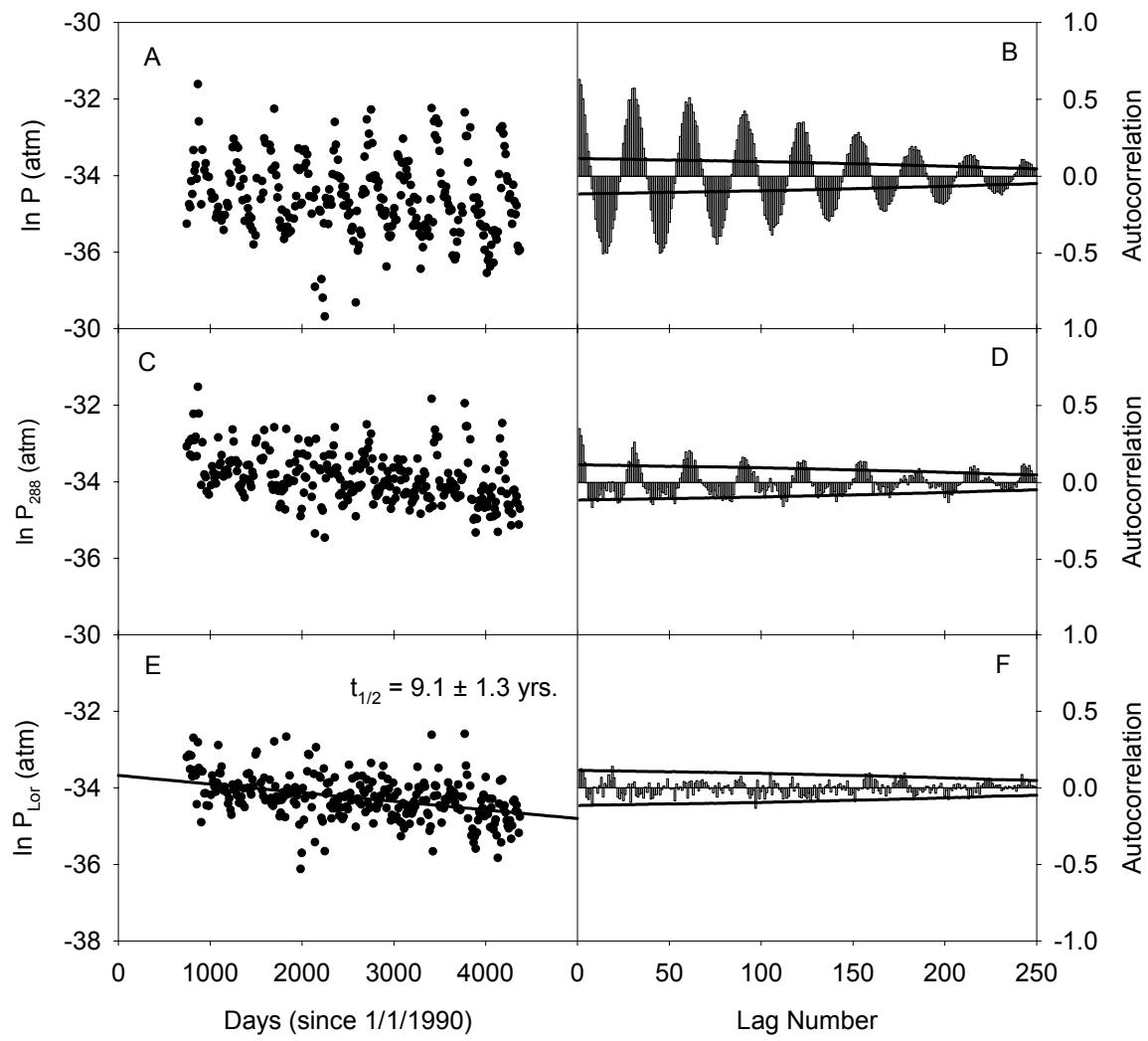


Figure SI-2. Eagle Harbor γ -HCH partial pressures vs. time for $\ln P$ (A), $\ln P_{288}$ (C), and $\ln P_{\text{Lor}}$ (E) with corresponding autocorrelation plots for $\ln P$ (B), residuals from Equation 1 (D), and residuals from Equation 2 (F). See Figure 1.

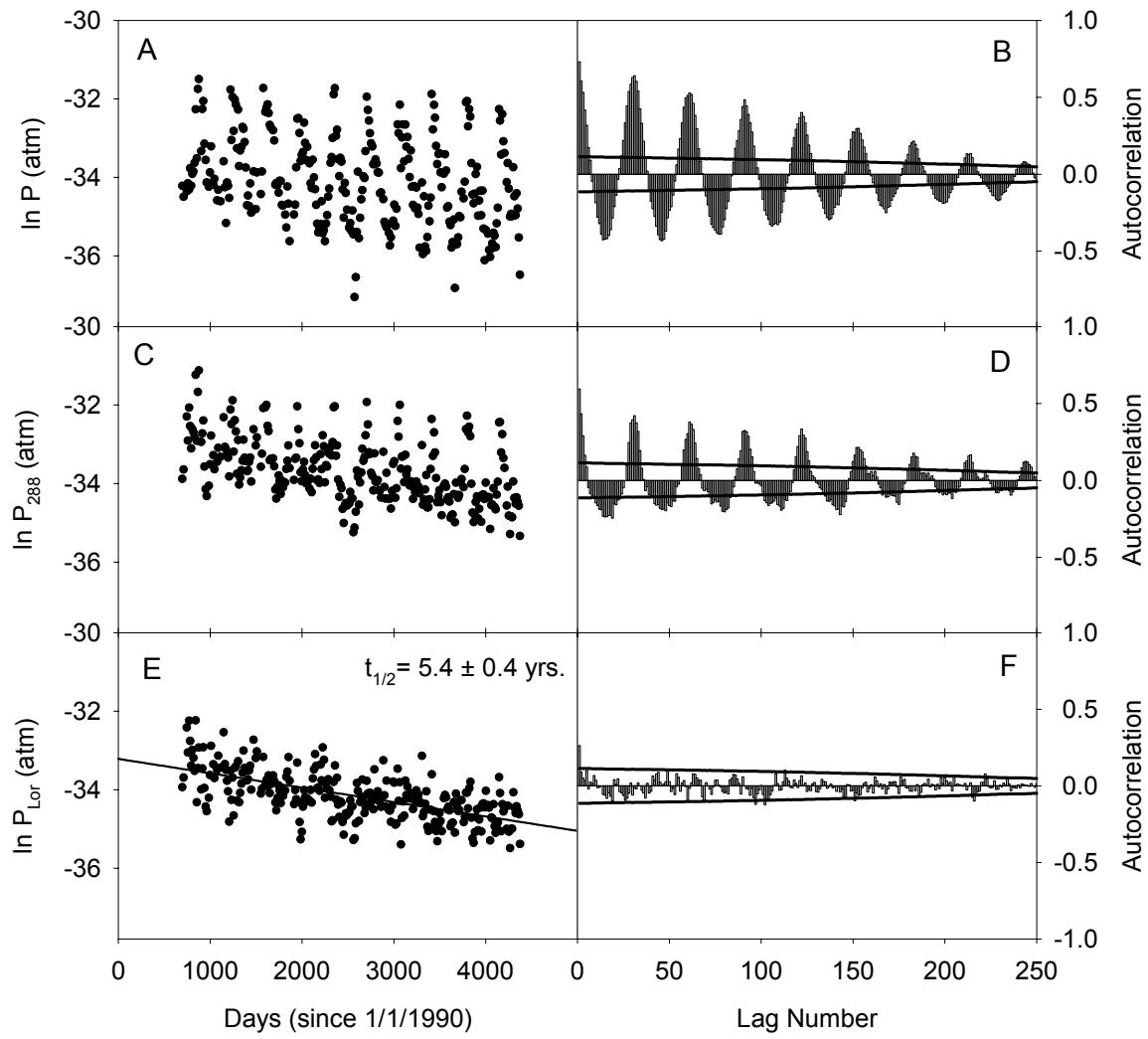


Figure SI-3. Sturgeon Point γ -HCH partial pressures vs. time for $\ln P$ (A), $\ln P_{288}$ (C), and $\ln P_{\text{Lor}}$ (E) with corresponding autocorrelation plots for $\ln P$ (B), residuals from Equation 1 (D), and residuals from Equation 2 (F). See Figure 1.

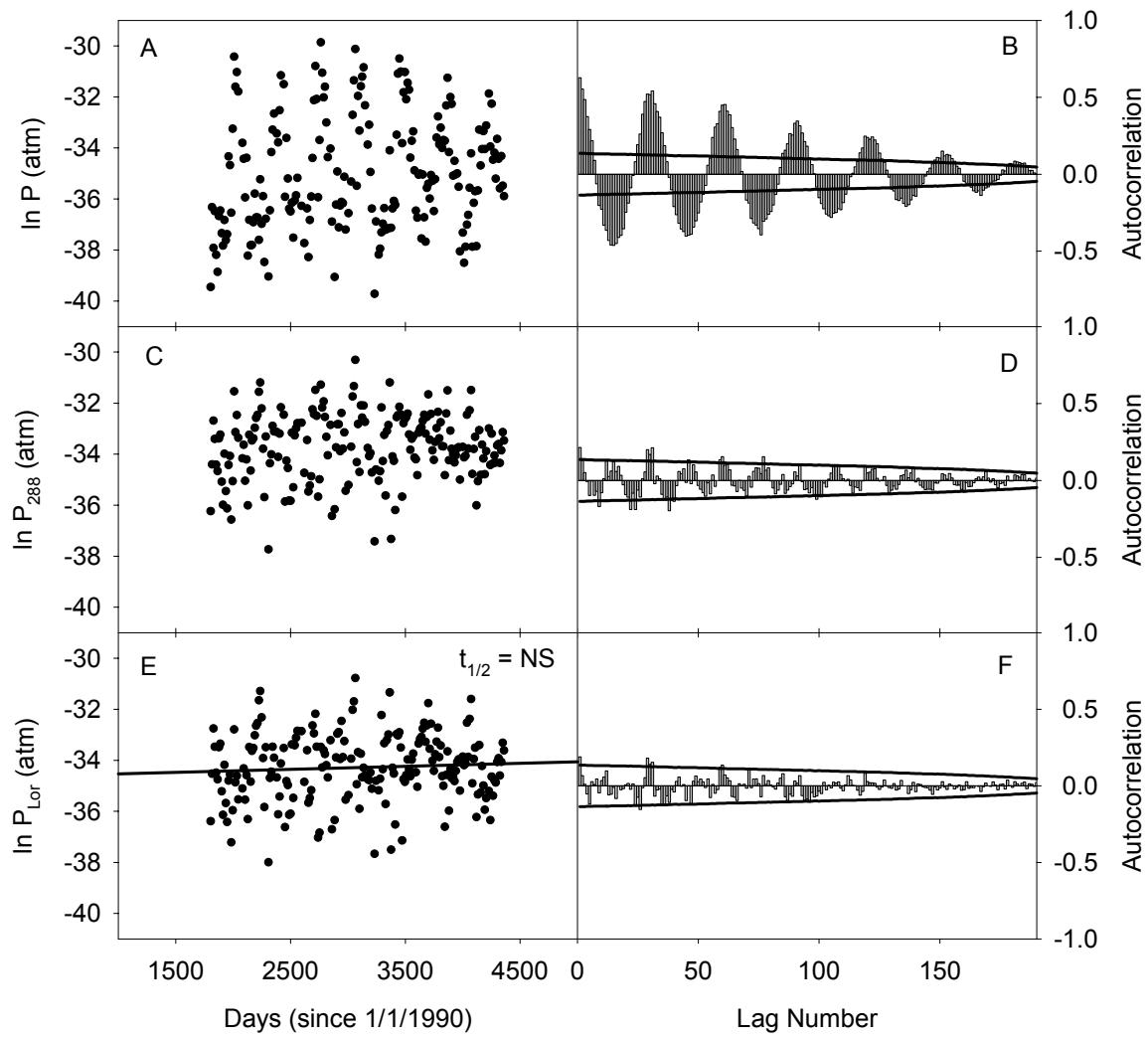


Figure SI-4. Sleeping Bear Dunes Endosulfan partial pressures vs. time for $\ln P$ (A), $\ln P_{288}$ (C), and $\ln P_{\text{Lor}}$ (E) with corresponding autocorrelation plots for $\ln P$ (B), residuals from Equation 1 (D), and residuals from Equation 2 (F). See Figure 1.

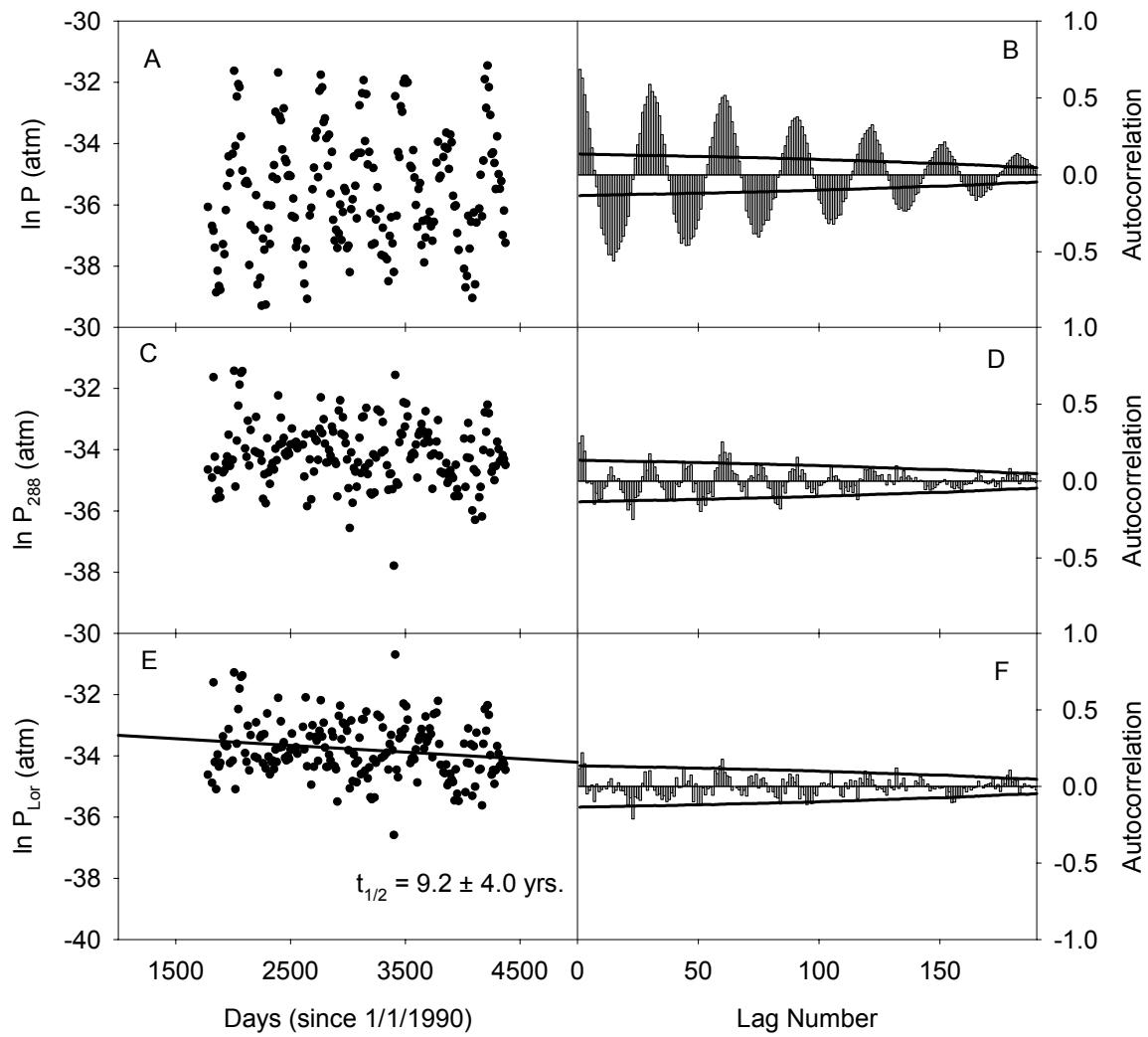


Figure SI-5. Eagle Harbor Σendosulfan partial pressures vs. time for $\ln P$ (A), $\ln P_{288}$ (C), and $\ln P_{\text{Lor}}$ (E) with corresponding autocorrelation plots for $\ln P$ (B), residuals from Equation 1 (D), and residuals from Equation 2 (F). See Figure 1.

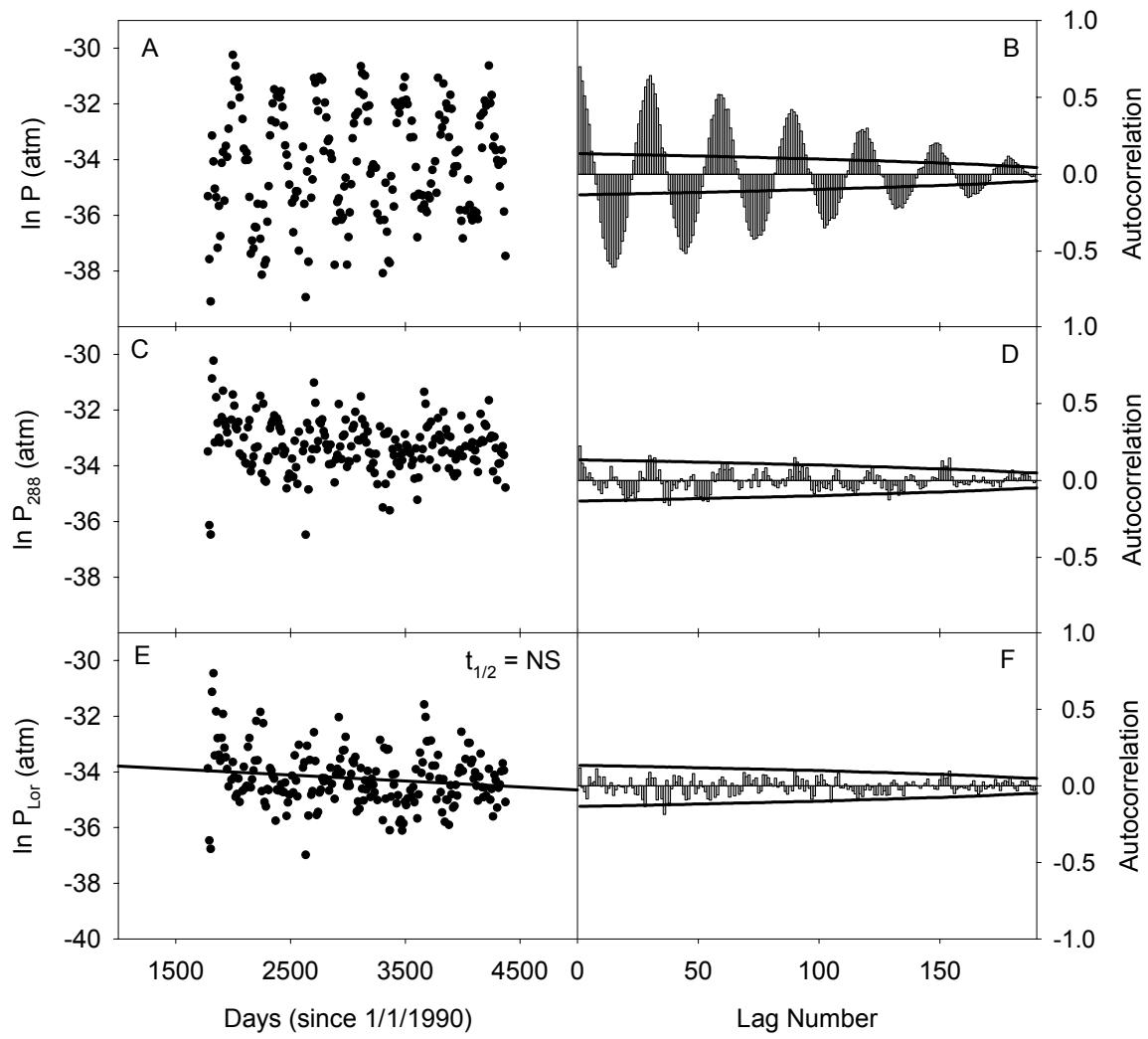


Figure SI-6. Sturgeon Point Σ endosulfan partial pressures vs. time for $\ln P$ (A), $\ln P_{288}$ (C), and $\ln P_{\text{Lor}}$ (E) with corresponding autocorrelation plots for $\ln P$ (B), residuals from Equation 1 (D), and residuals from Equation 2 (F). See Figure 1.

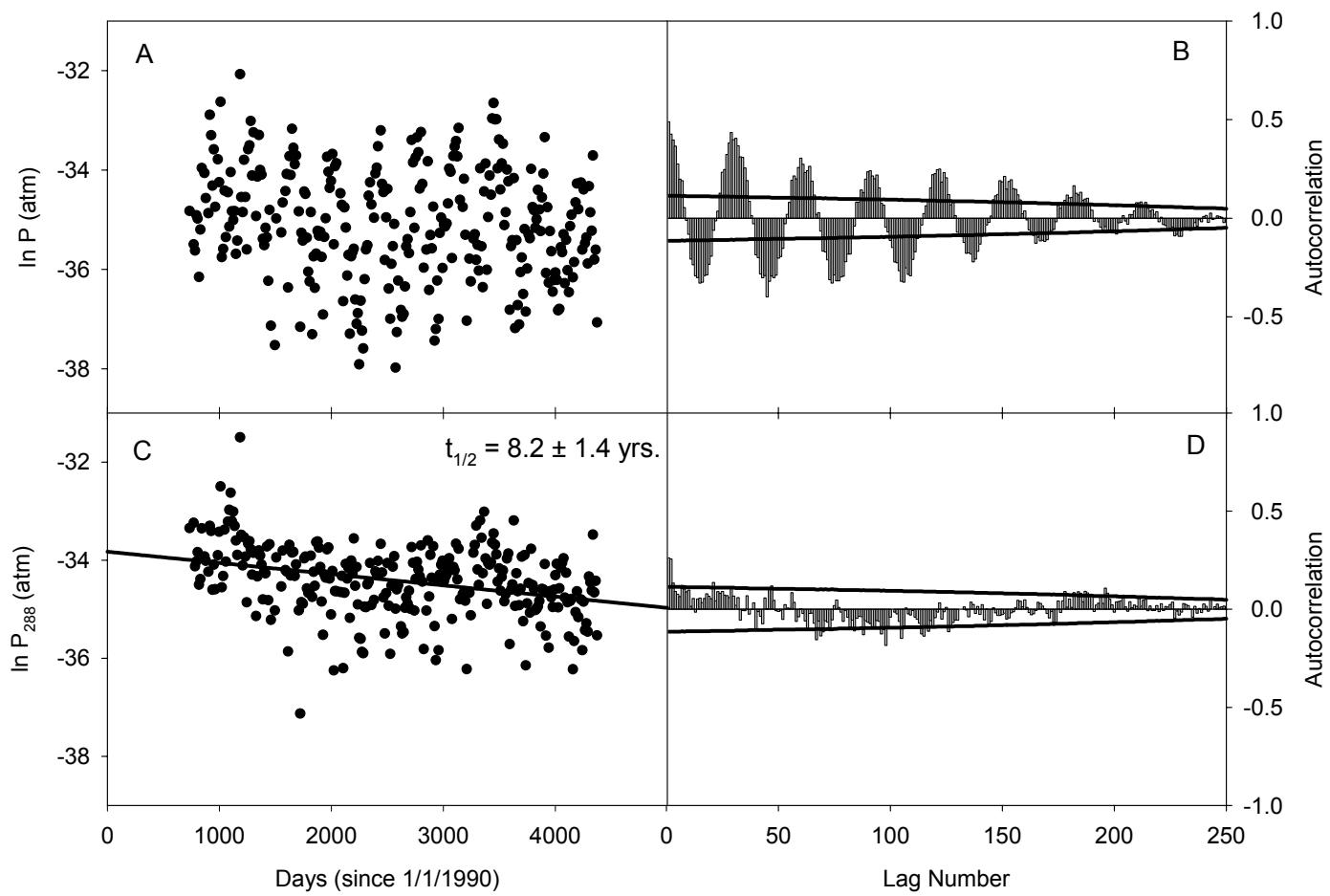


Figure SI-7. Sleeping Bear Dunes ΣDDT $\ln P$ (A) and $\ln P_{288}$ (C), with corresponding autocorrelation plots for $\ln P$ (B) and residuals from Equation 1 (D). A half-life ($t_{1/2}$) estimated from Equation 1 results is given for the regression line plotted in Figure C. See Figure 1.

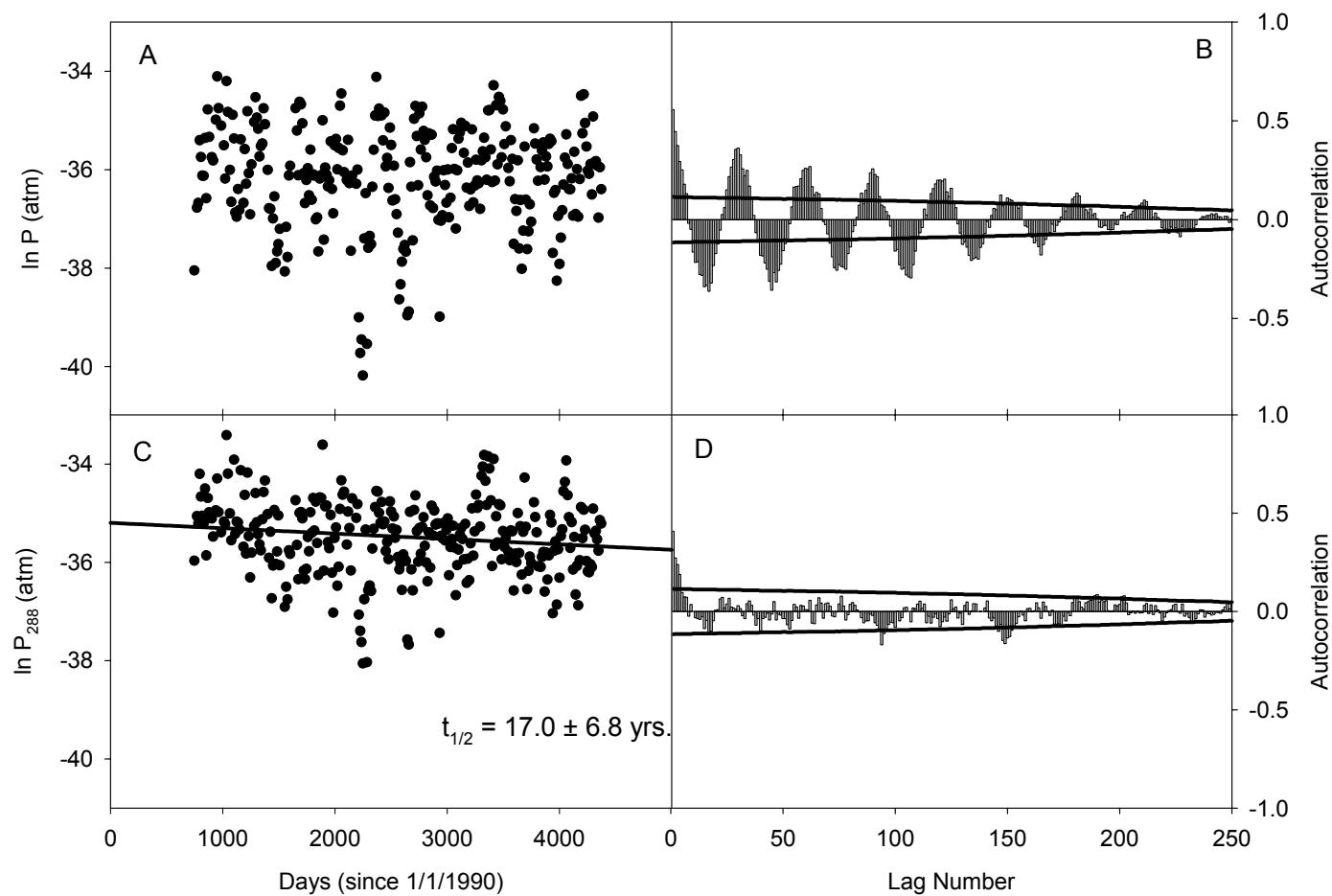


Figure SI-8. Eagle Harbor Σ DDT $\ln P$ (A) and $\ln P_{288}$ (C), with corresponding autocorrelation plots for $\ln P$ (B) and residuals from Equation 1 (D). A half-life ($t_{1/2}$) estimated from Equation 1 results is given for the regression line plotted in Figure C. See Figure 1.

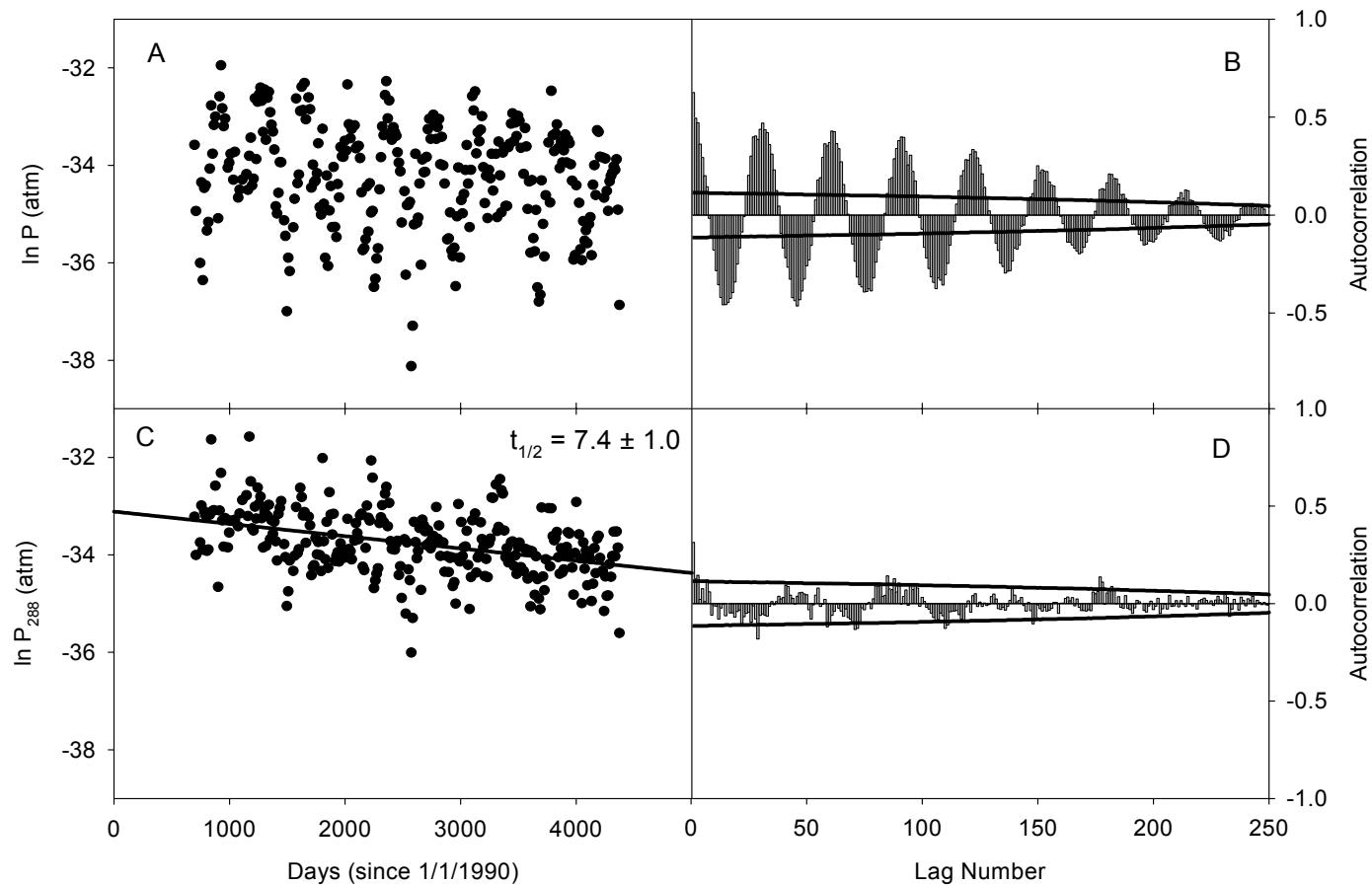


Figure SI-9. Sturgeon Point ΣDDT $\ln P$ (A) and $\ln P_{288}$ (C), with corresponding autocorrelation plots for $\ln P$ (B) and residuals from Equation 1 (D). A half-life ($t_{1/2}$) estimated from Equation 1 results is given for the regression line plotted in Figure C. See Figure 1.

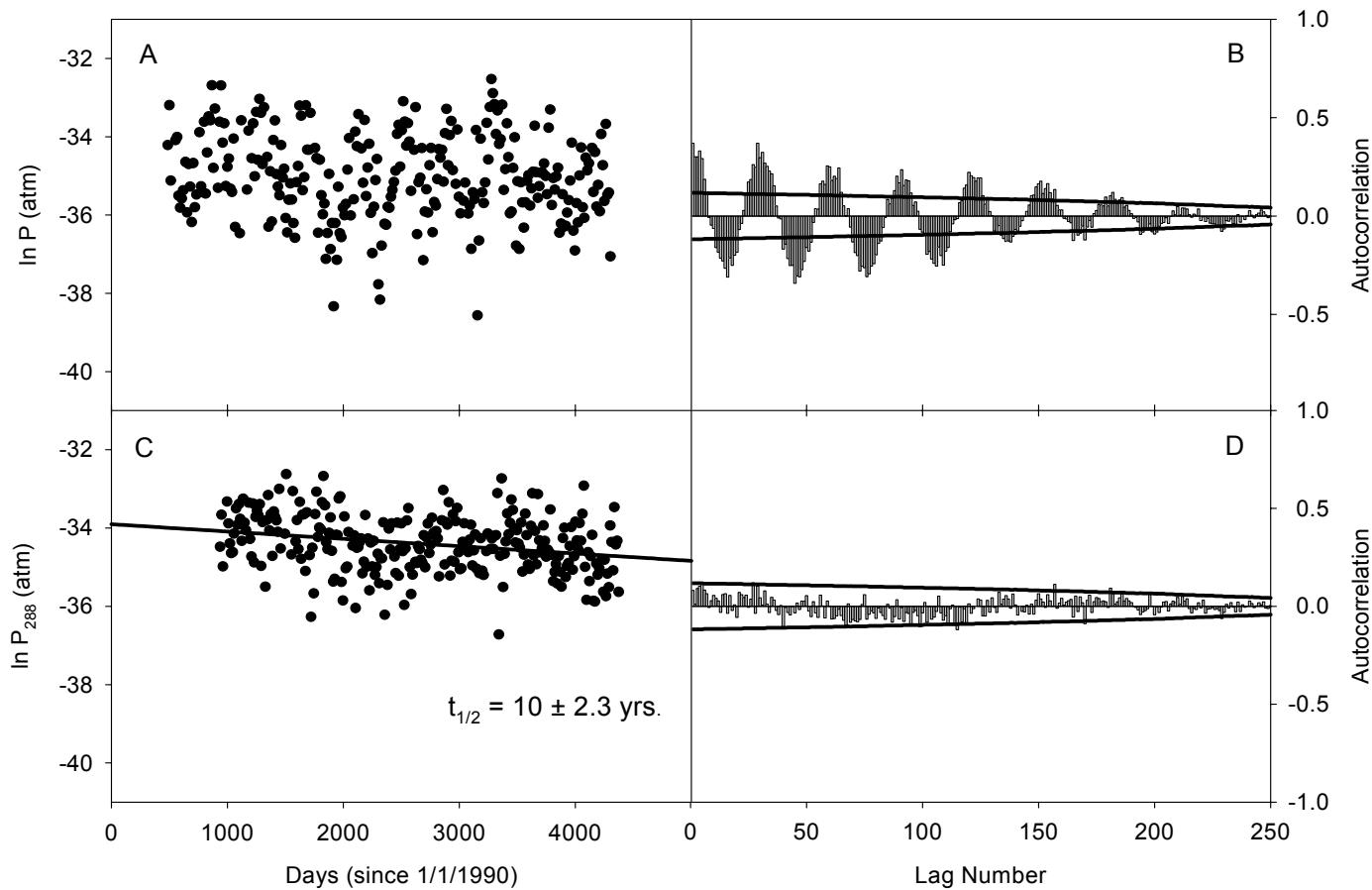


Figure SI-10. Sleeping Bear Dunes Σchlordane $\ln P$ (A) and $\ln P_{288}$ (C), with corresponding autocorrelation plots for $\ln P$ (B) and residuals from Equation 1 (D). A half-life ($t_{1/2}$) estimated from Equation 1 results is given for the regression line plotted in Figure C. See Figure 1.

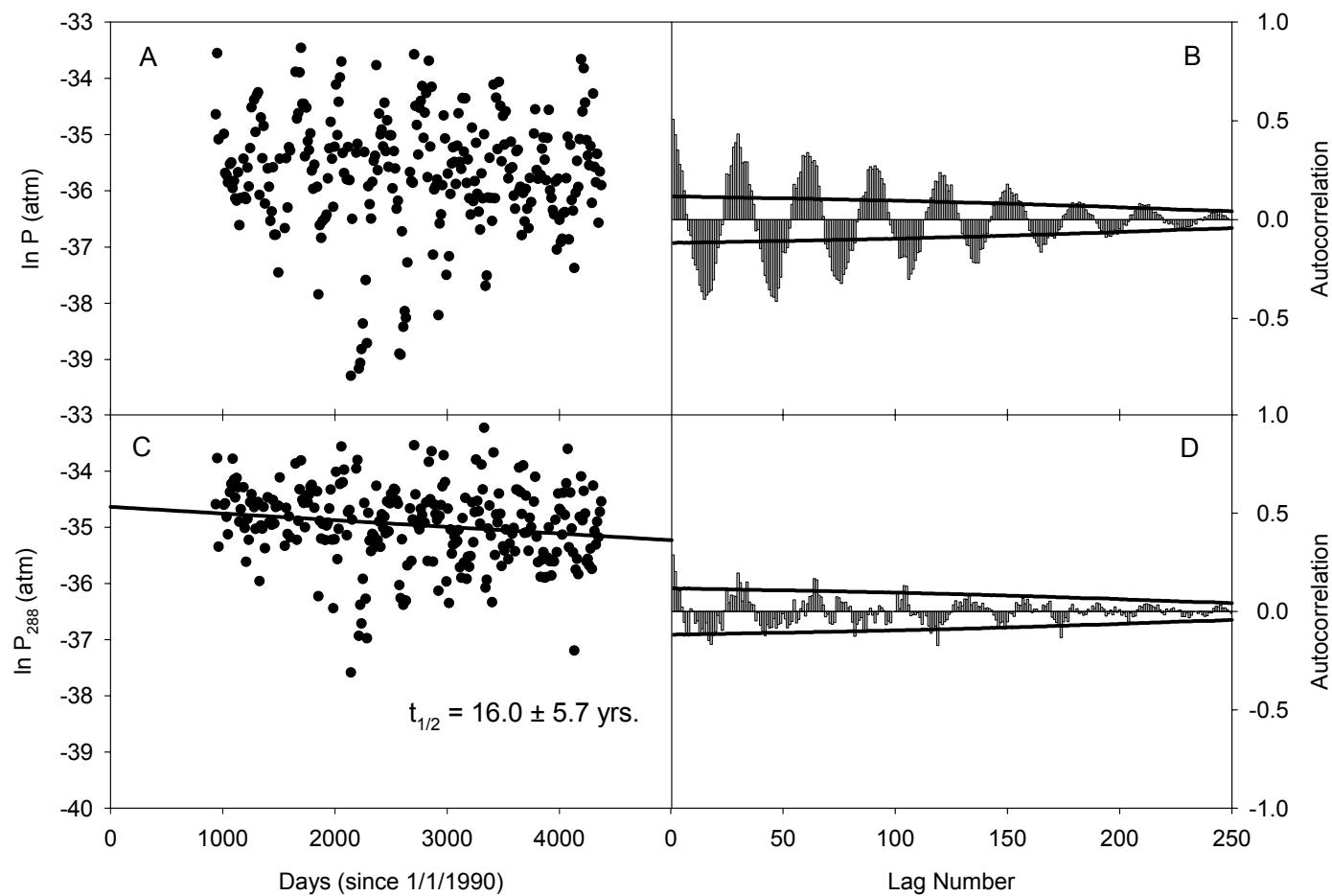


Figure SI-11. Eagle Harbor Echlordane $\ln P$ (A) and $\ln P_{288}$ (C), with corresponding autocorrelation plots for $\ln P$ (B) and residuals from Equation 1 (D). A half-life ($t_{1/2}$) estimated from Equation 1 results is given for the regression line plotted in Figure C. See Figure 1.

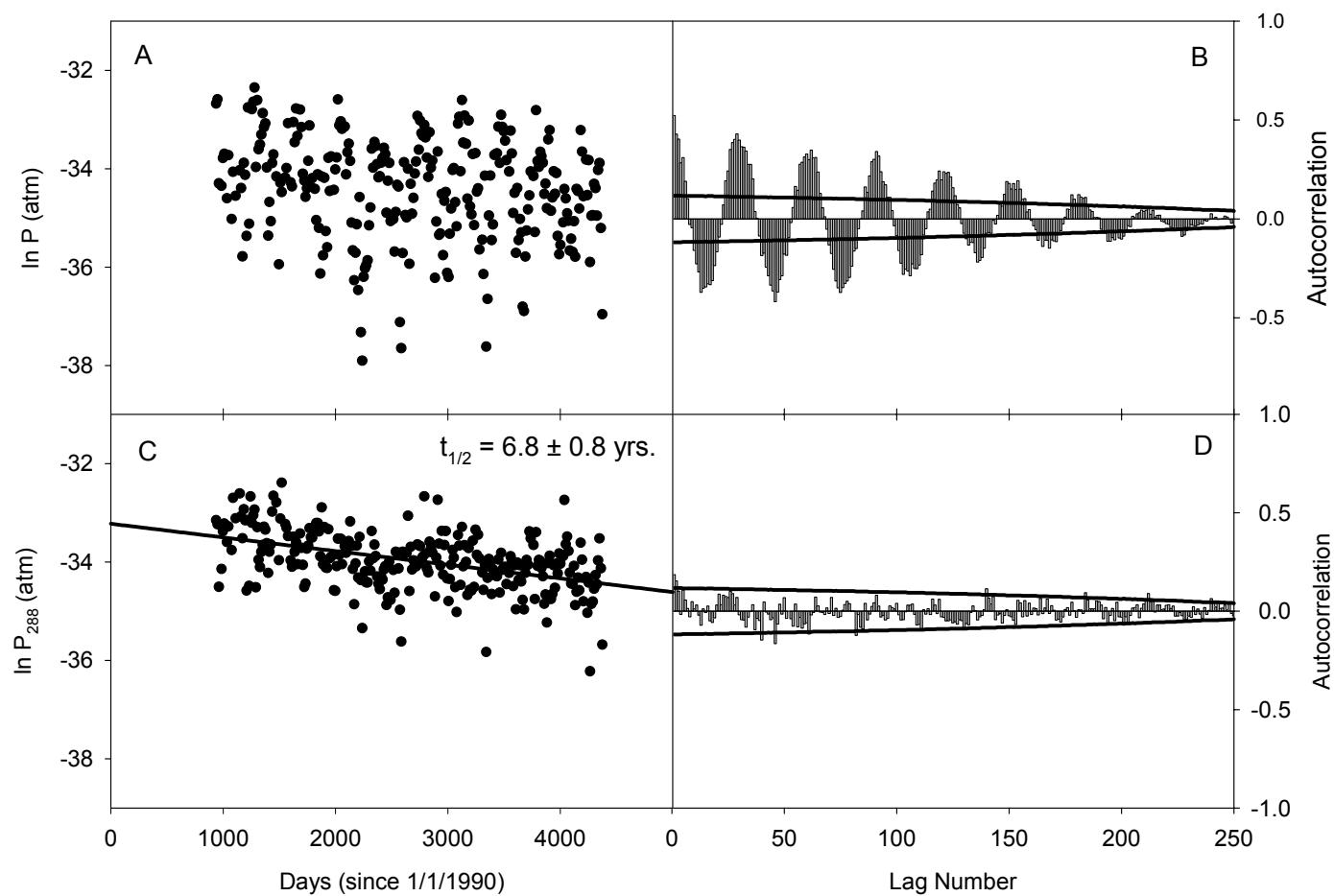


Figure SI-12. Sturgeon Point Σchlordan $\ln P$ (A) and $\ln P_{288}$ (C), with corresponding autocorrelation plots for $\ln P$ (B) and residuals from Equation 1 (D). A half-life ($t_{1/2}$) estimated from Equation 1 results is given for the regression line plotted in Figure C. See Figure 1.

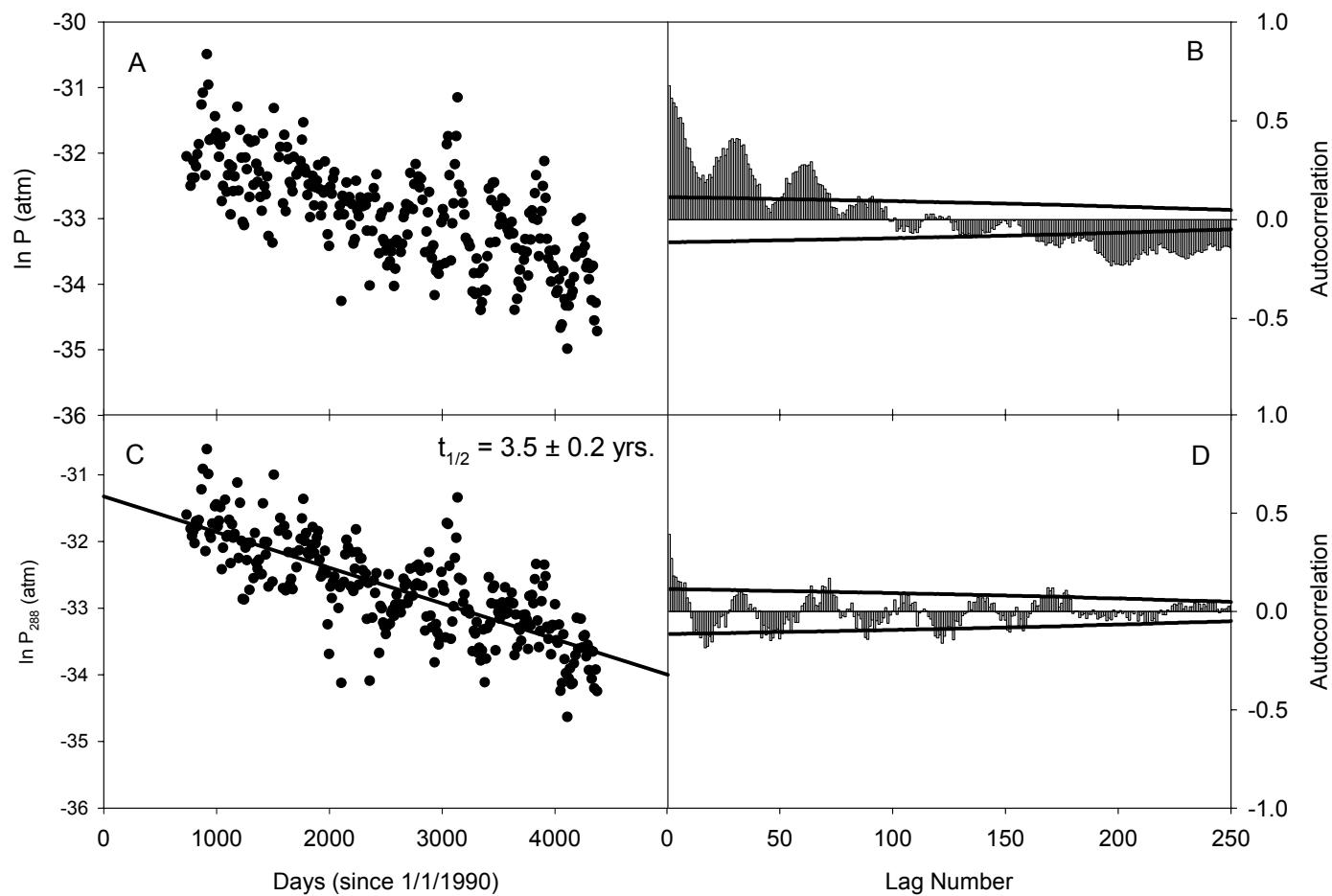


Figure SI-13. Sleeping Bear Dunes α -HCH $\ln P$ (A) and $\ln P_{288}$ (C), with corresponding autocorrelation plots for $\ln P$ (B) and residuals from Equation 1 (D). A half-life ($t_{1/2}$) estimated from Equation 1 results is given for the regression line plotted in Figure C. See Figure 1.

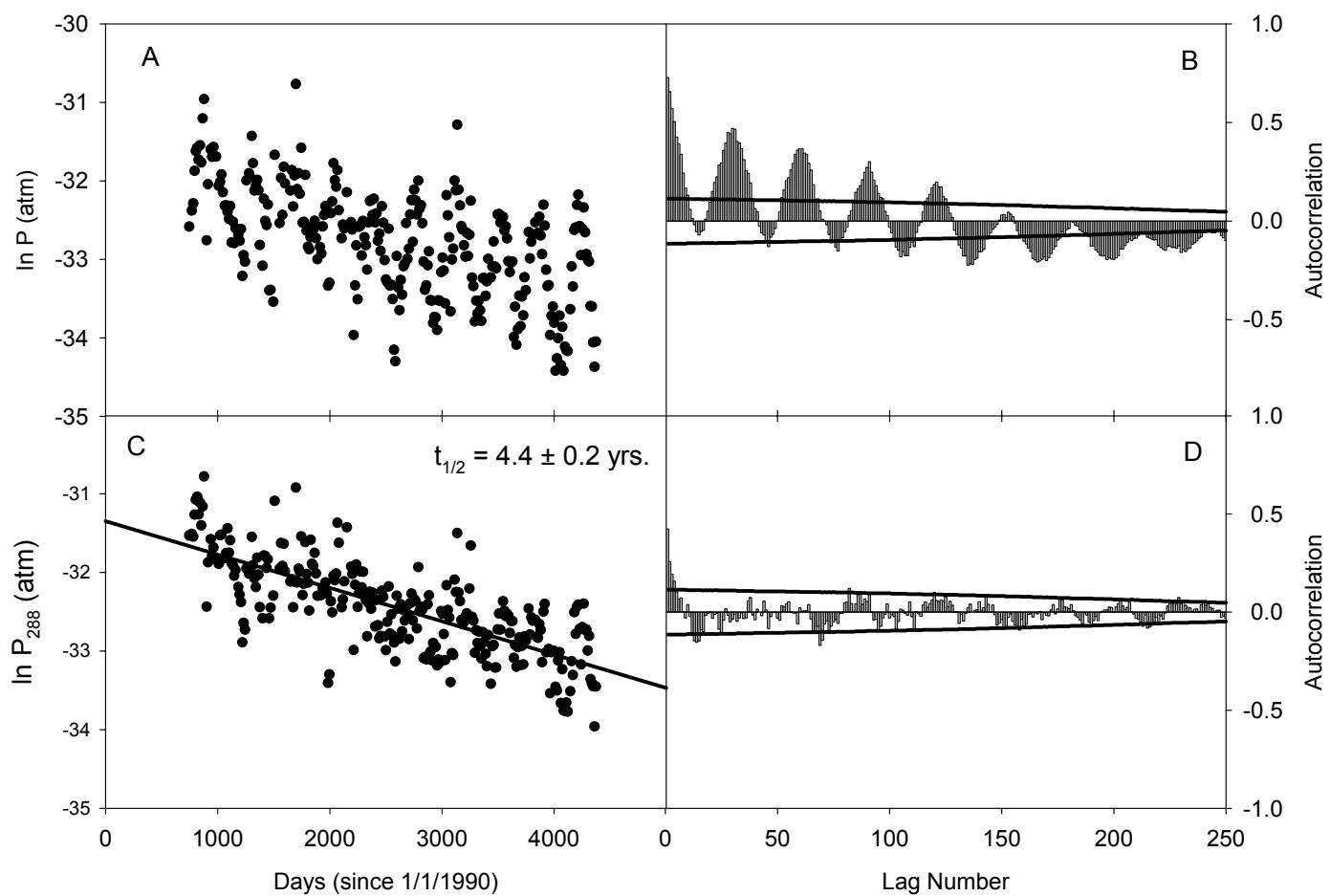


Figure SI-14. Eagle Harbor α -HCH $\ln P$ (A) and $\ln P_{288}$ (C), with corresponding autocorrelation plots for $\ln P$ (B) and residuals from Equation 1 (D). A half-life ($t_{1/2}$) estimated from Equation 1 results is given for the regression line plotted in Figure C. See Figure 1.

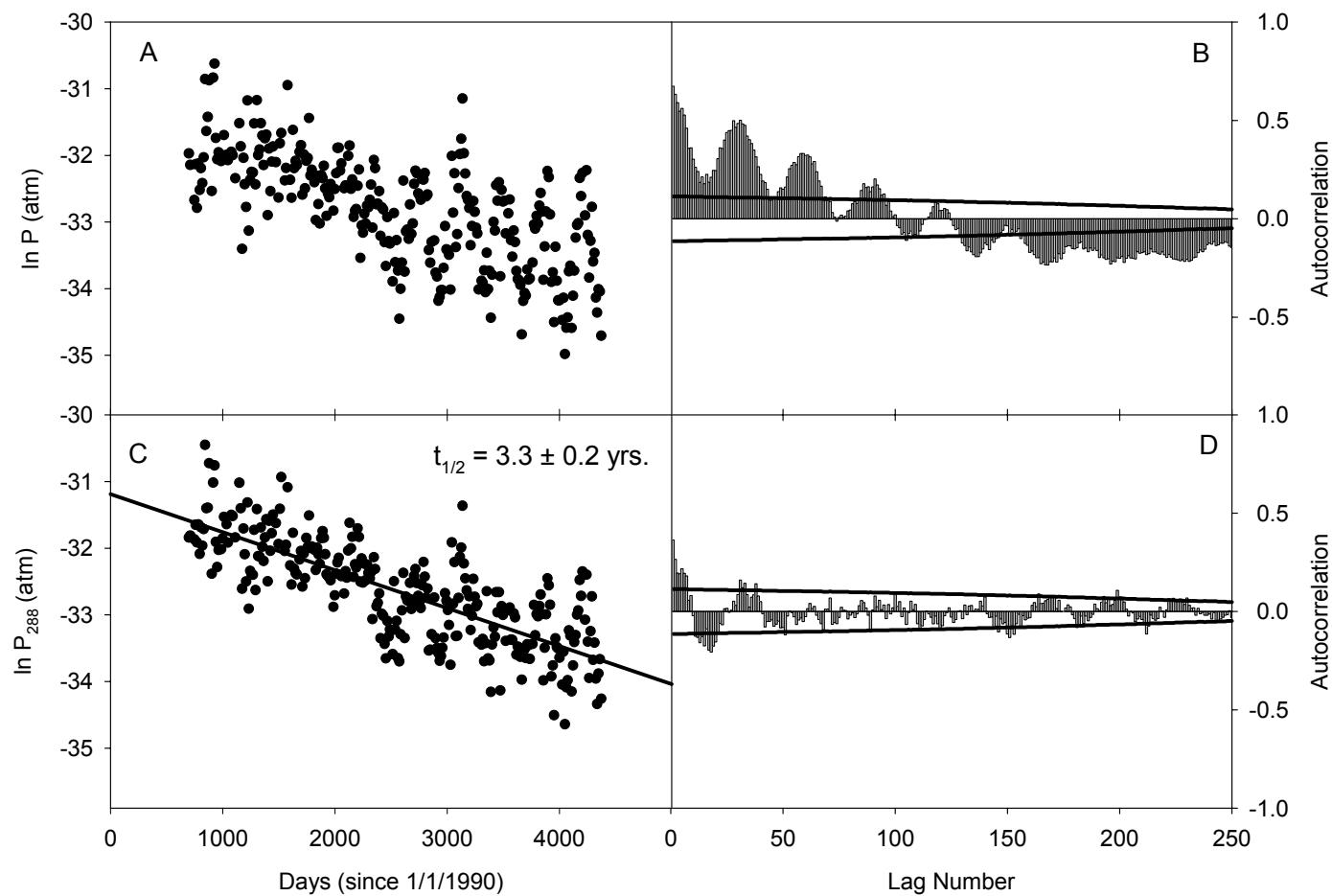


Figure SI-15. Sturgeon Point α -HCH $\ln P$ (A) and $\ln P_{288}$ (C), with corresponding autocorrelation plots for $\ln P$ (B) and residuals from Equation 1 (D). A half-life ($t_{1/2}$) estimated from Equation 1 results is given for the regression line plotted in Figure C. See Figure 1.

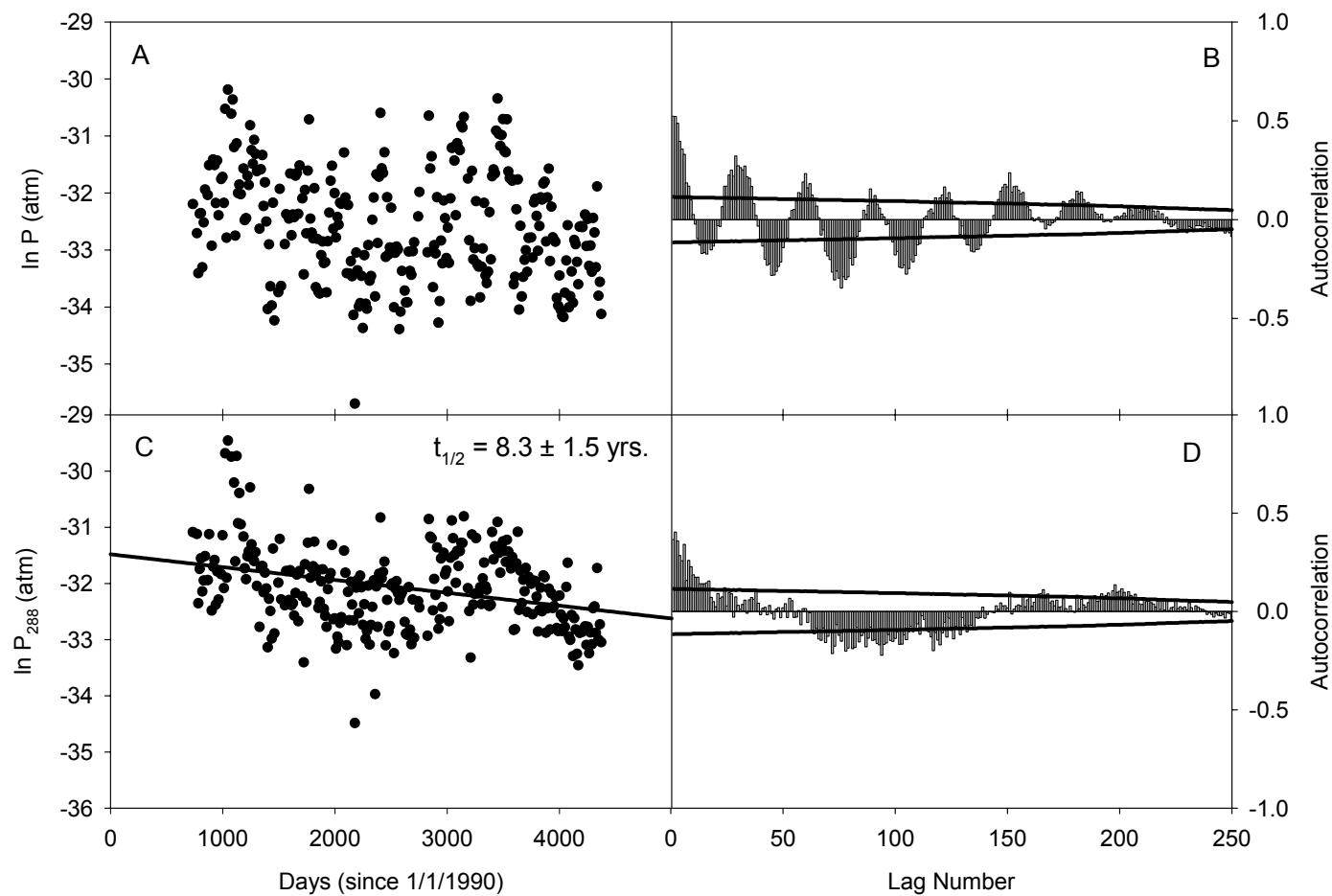


Figure SI-16. Sleeping Bear Dunes Σ PCB $\ln P$ (A) and $\ln P_{288}$ (C), with corresponding autocorrelation plots for $\ln P$ (B) and residuals from Equation 1 (D). A half-life ($t_{1/2}$) estimated from Equation 1 results is given for the regression line plotted in Figure C. See Figure 1.

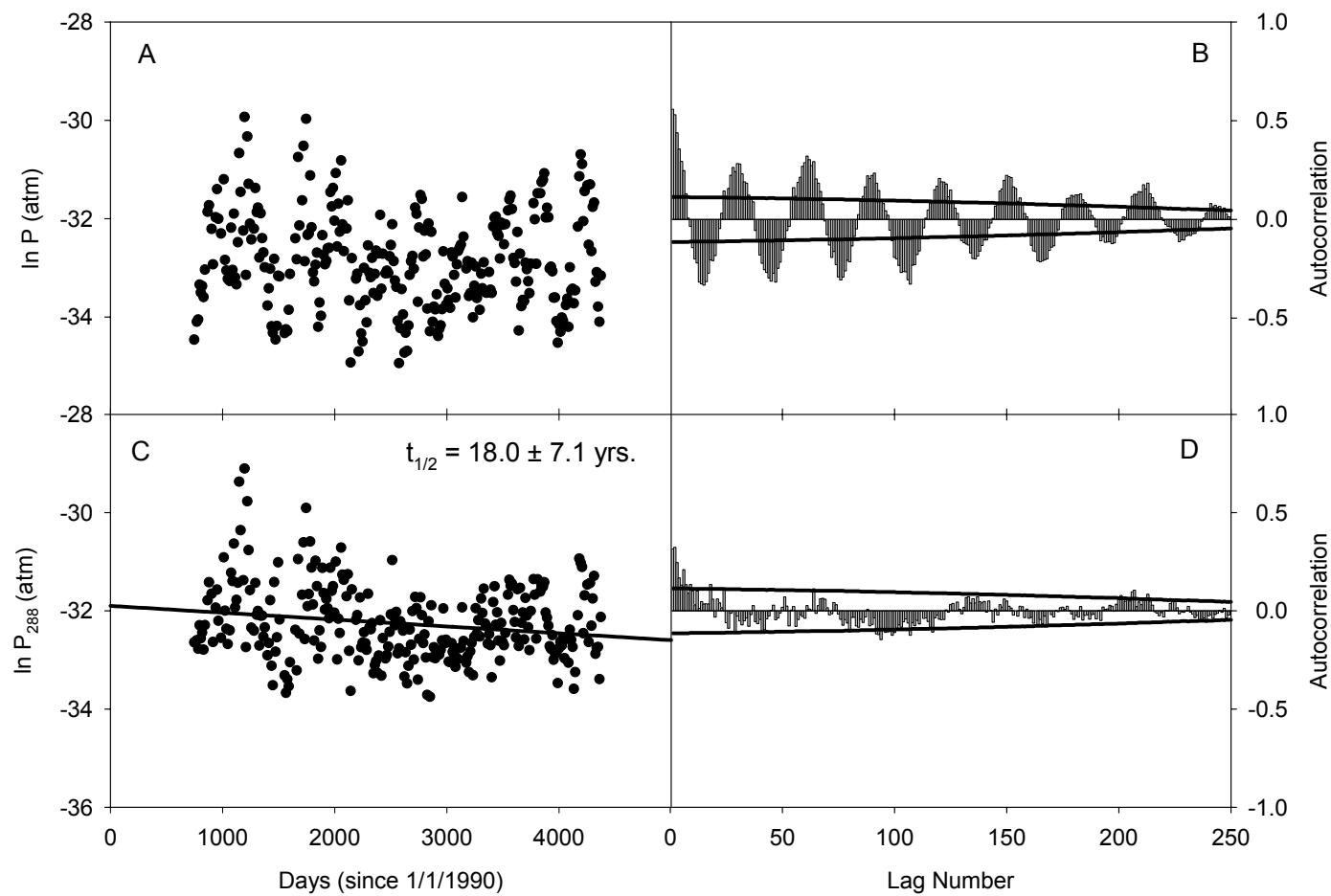


Figure SI-17. Eagle Harbor ΣPCB $\ln P$ (A) and $\ln P_{288}$ (C), with corresponding autocorrelation plots for $\ln P$ (B) and residuals from Equation 1 (D). A half-life ($t_{1/2}$) estimated from Equation 1 results is given for the regression line plotted in Figure C. See Figure 1.

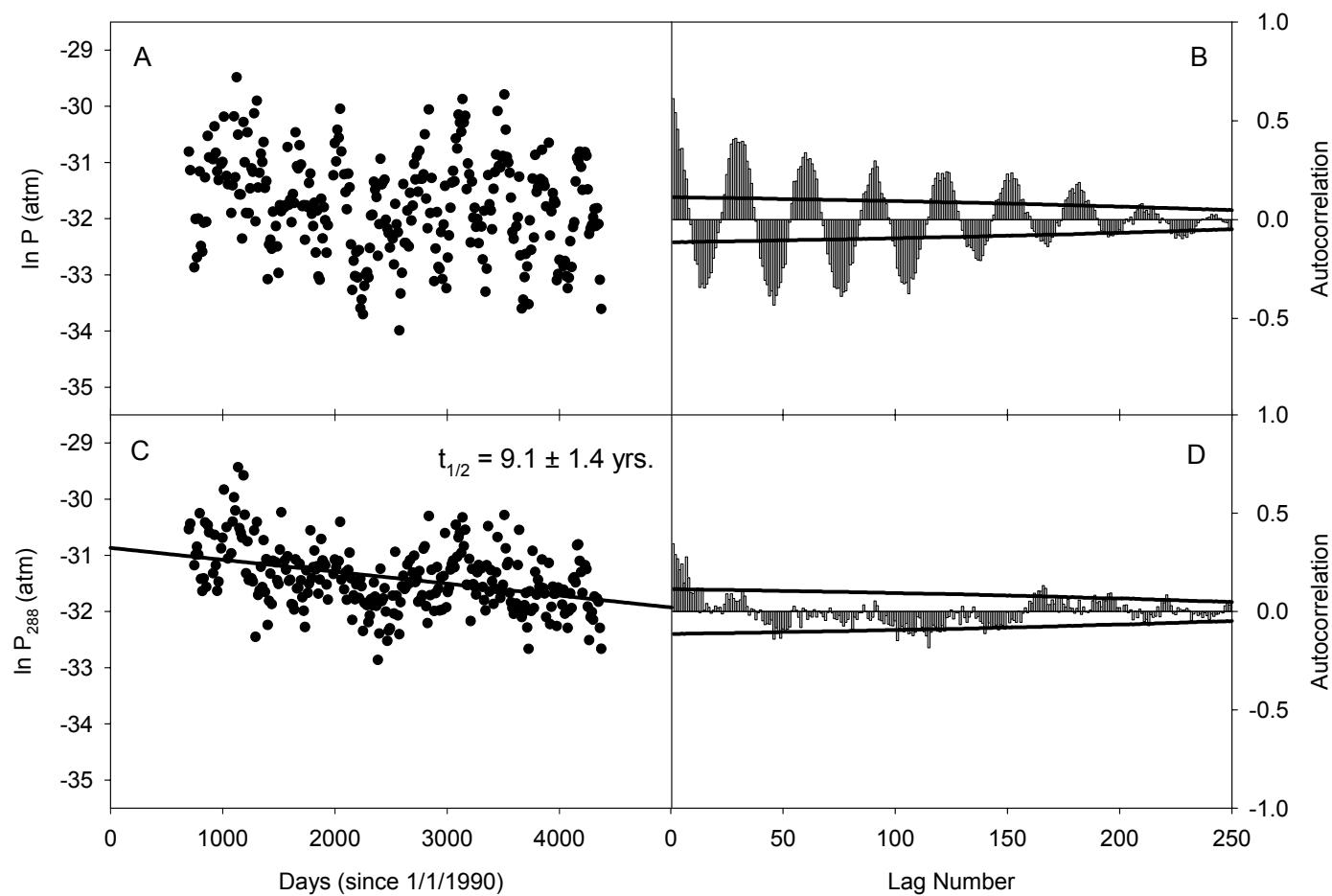


Figure SI-18. Sturgeon Point Σ PCB $\ln P$ (A) and $\ln P_{288}$ (C), with corresponding autocorrelation plots for $\ln P$ (B) and residuals from Equation 1 (D). A half-life ($t_{1/2}$) estimated from Equation 1 results is given for the regression line plotted in Figure C. See Figure 1.

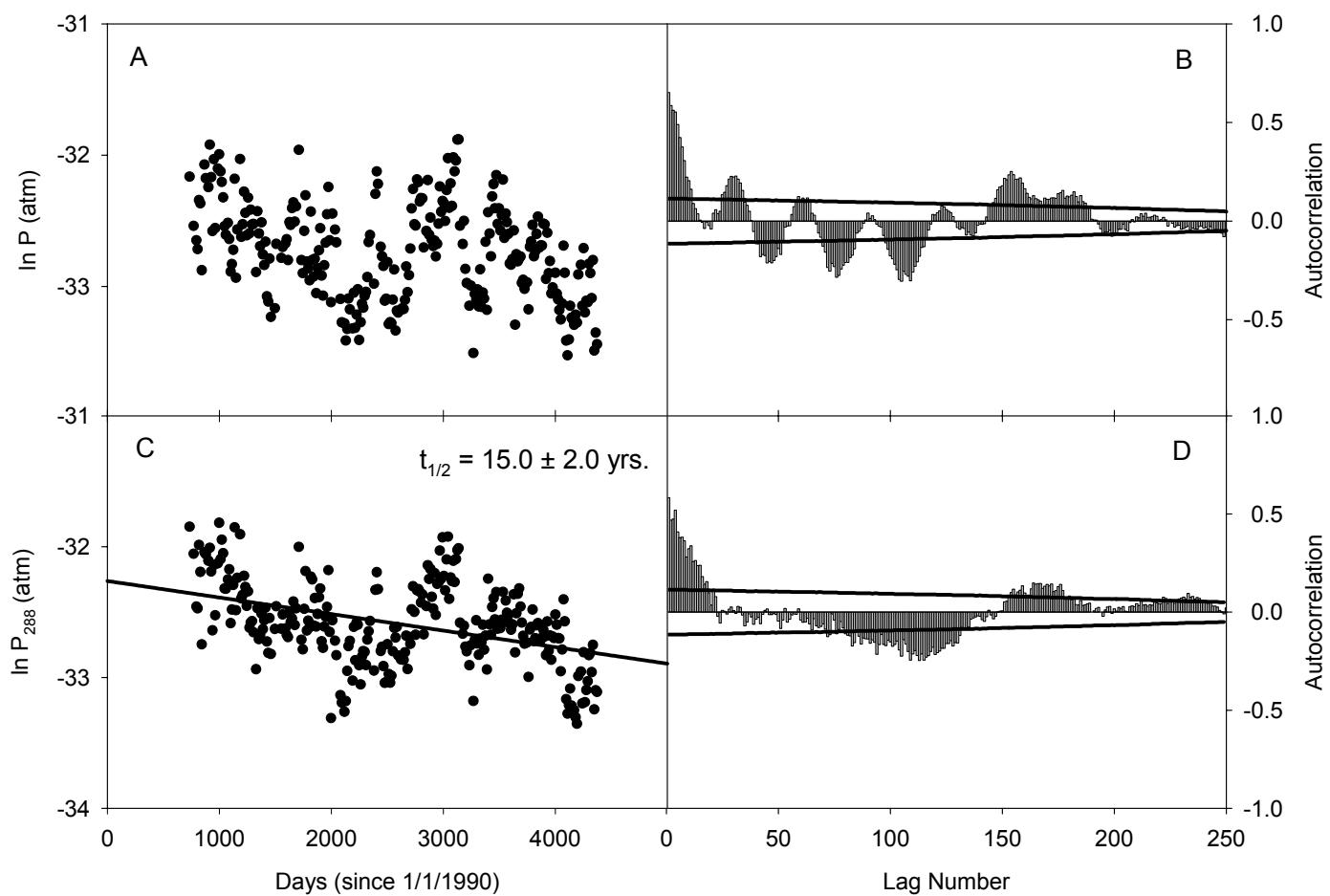


Figure SI-19. Sleeping Bear Dunes HCB $\ln P$ (A) and $\ln P_{288}$ (C), with corresponding autocorrelation plots for $\ln P$ (B) and residuals from Equation 1 (D). A half-life ($t_{1/2}$) estimated from Equation 1 results is given for the regression line plotted in Figure C. See Figure 1.

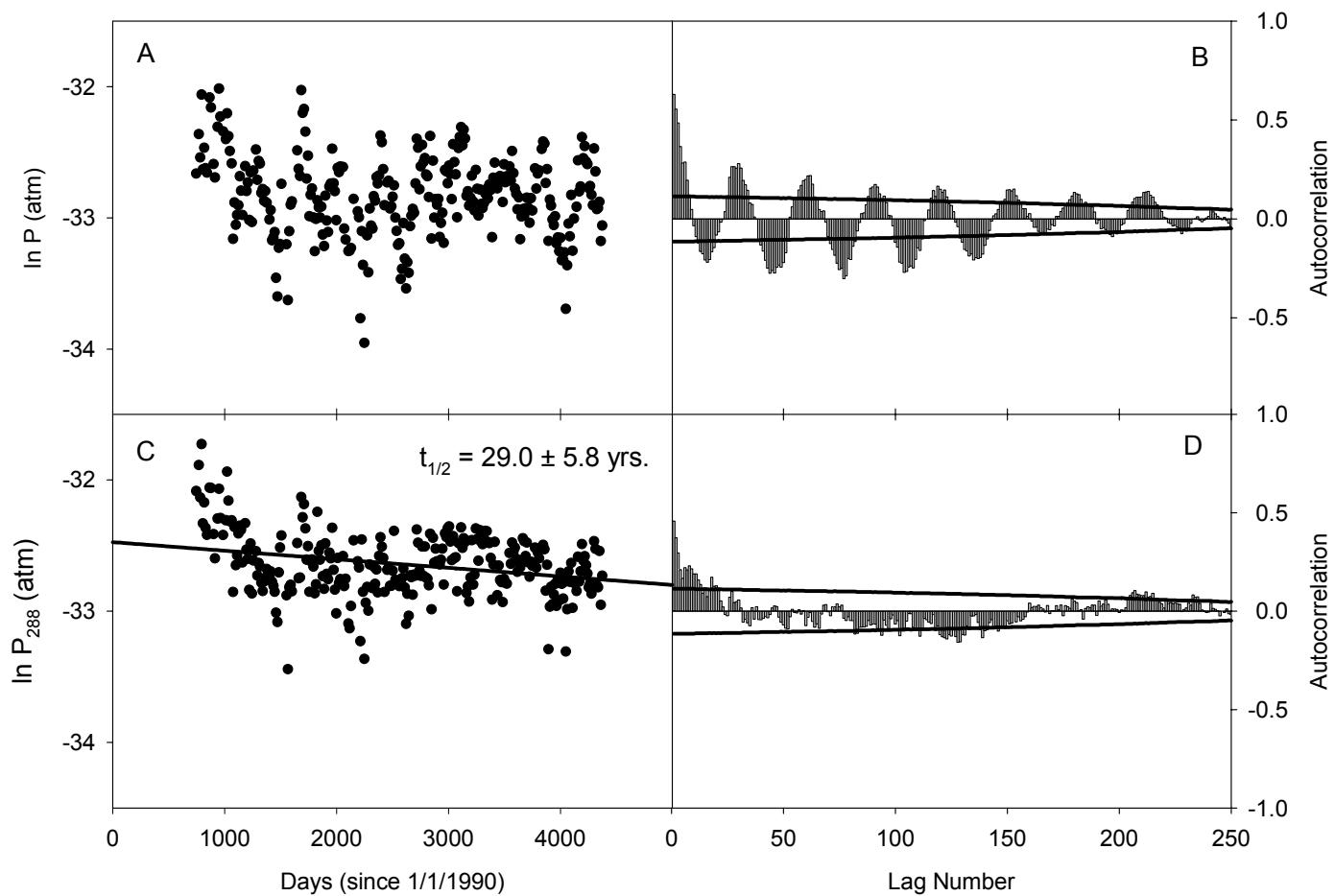


Figure SI-20. Eagle Harbor HCB $\ln P$ (A) and $\ln P_{288}$ (C), with corresponding autocorrelation plots for $\ln P$ (B) and residuals from Equation 1 (D). A half-life ($t_{1/2}$) estimated from Equation 1 results is given for the regression line plotted in Figure C. See Figure 1.

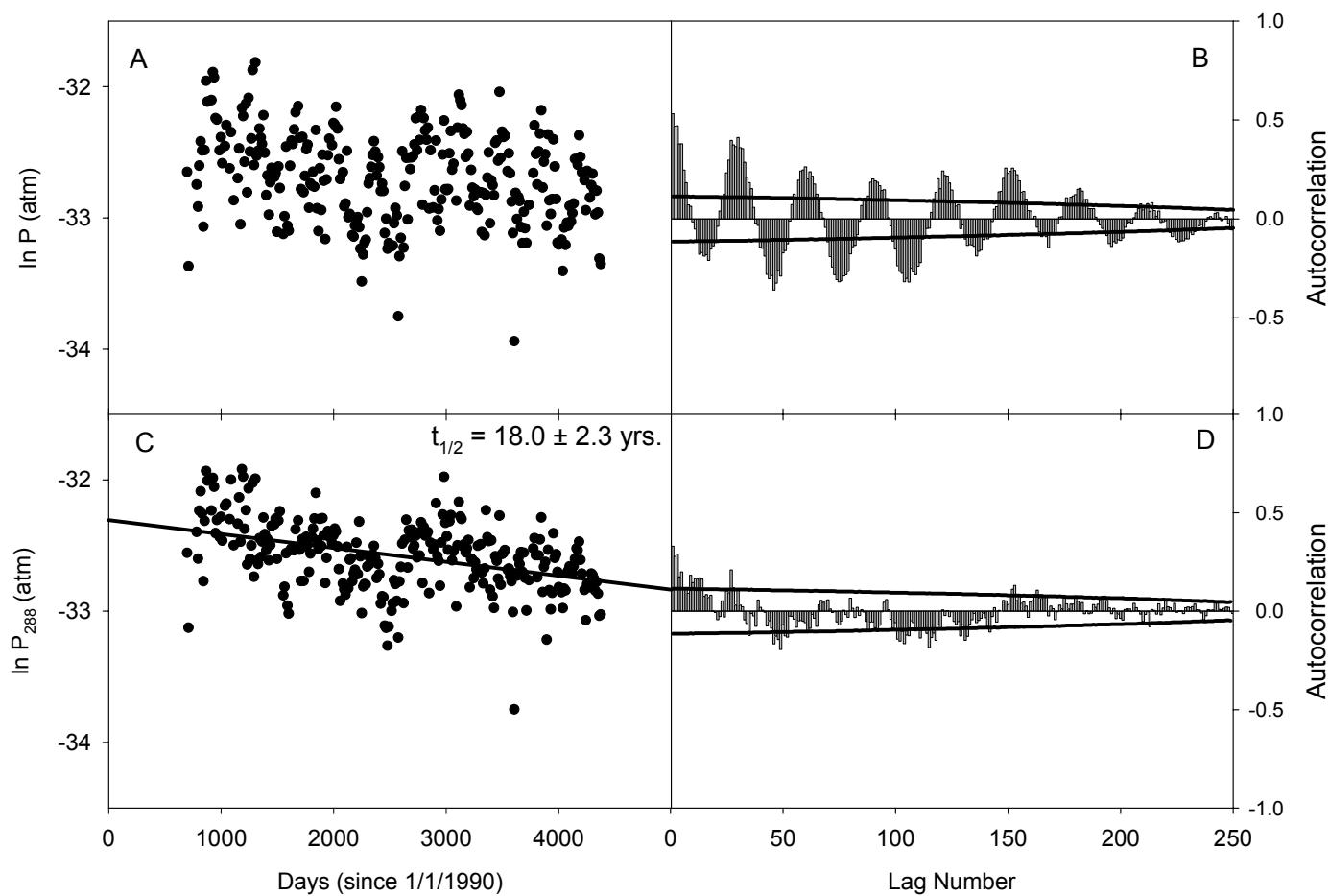


Figure SI-21. Sturgeon Point HCB $\ln P$ (A) and $\ln P_{288}$ (C), with corresponding autocorrelation plots for $\ln P$ (B) and residuals from Equation 1 (D). A half-life ($t_{1/2}$) estimated from Equation 1 results is given for the regression line plotted in Figure C. See Figure 1.