

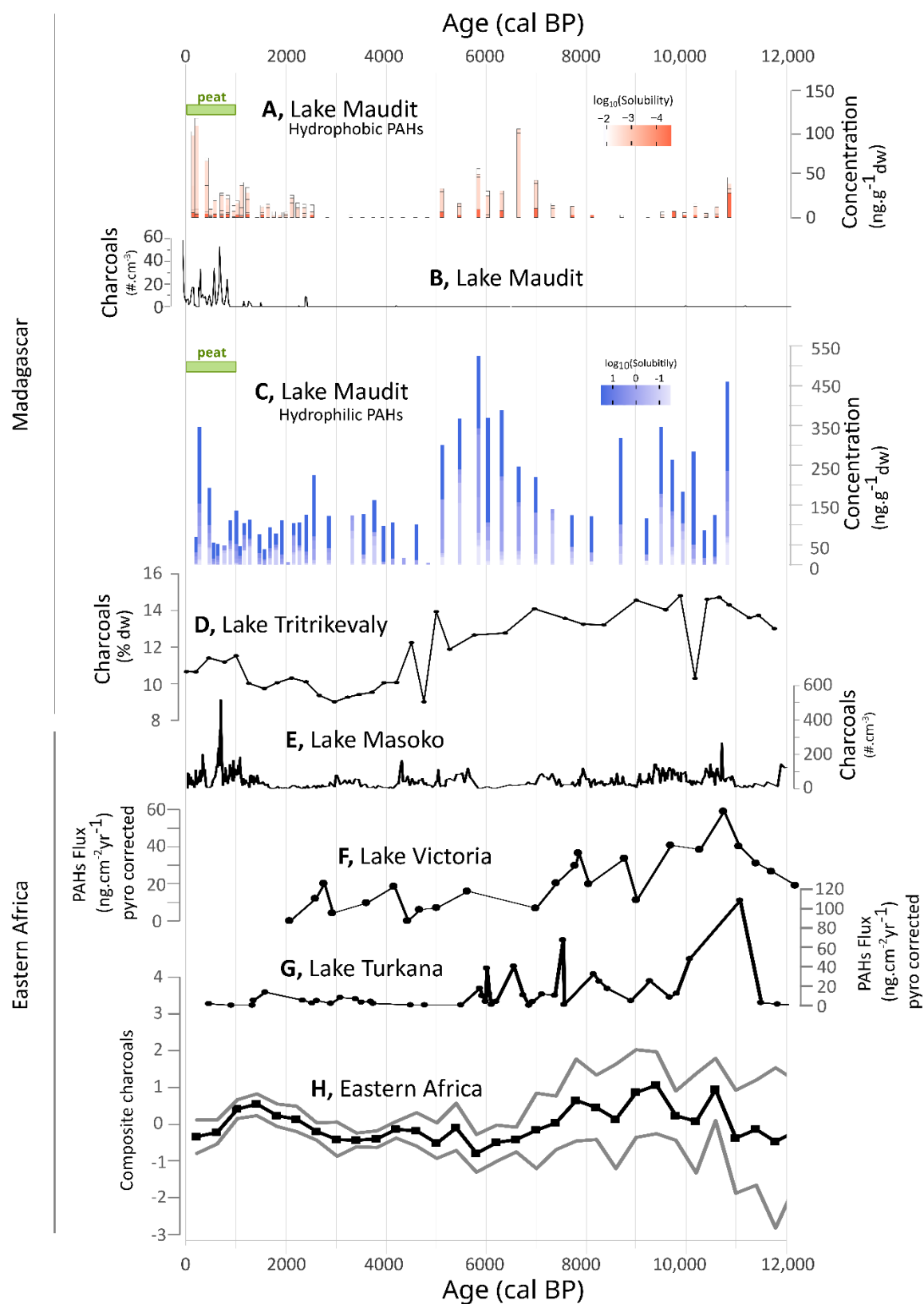


Figure 4 : Comparison of Lake Maudit PAH concentration with fire signal over the Holocene. A. Concentration (ng.g⁻¹ dw) of hydrophobic PAHs ($S < 0.01 \text{ mg.L}^{-1}$) in lake Maudit. B. Counting of charcoal (particles $> 160 \mu\text{m}$) in lake Maudit (Teixeira et al., 2021). C. Concentration (ng.g⁻¹ dw) of the more hydrophilic PAHs ($S > 0.01 \text{ mg.L}^{-1}$) in lake Maudit. D. Counting of charcoal in lake Tritrikavely (Burney, 1987). E. Counting of charcoal in lake

Masoko (Aleman et al. 2025). F. PAH flux in Lake Victoria ($\text{ng.cm}^{-2}.\text{yr}^{-1}$) corrected by pyrogenic flux (Karp et al. 2023). F. PAH flux in Lake Turkana ($\text{ng.cm}^{-2}.\text{yr}^{-1}$) corrected by pyrogenic flux (Karp et al. 2023). H. Composite charcoal signal from biomass burning from Eastern Africa in black. Grey line represents the confidence interval at 95% (Bremond et al. 2024).