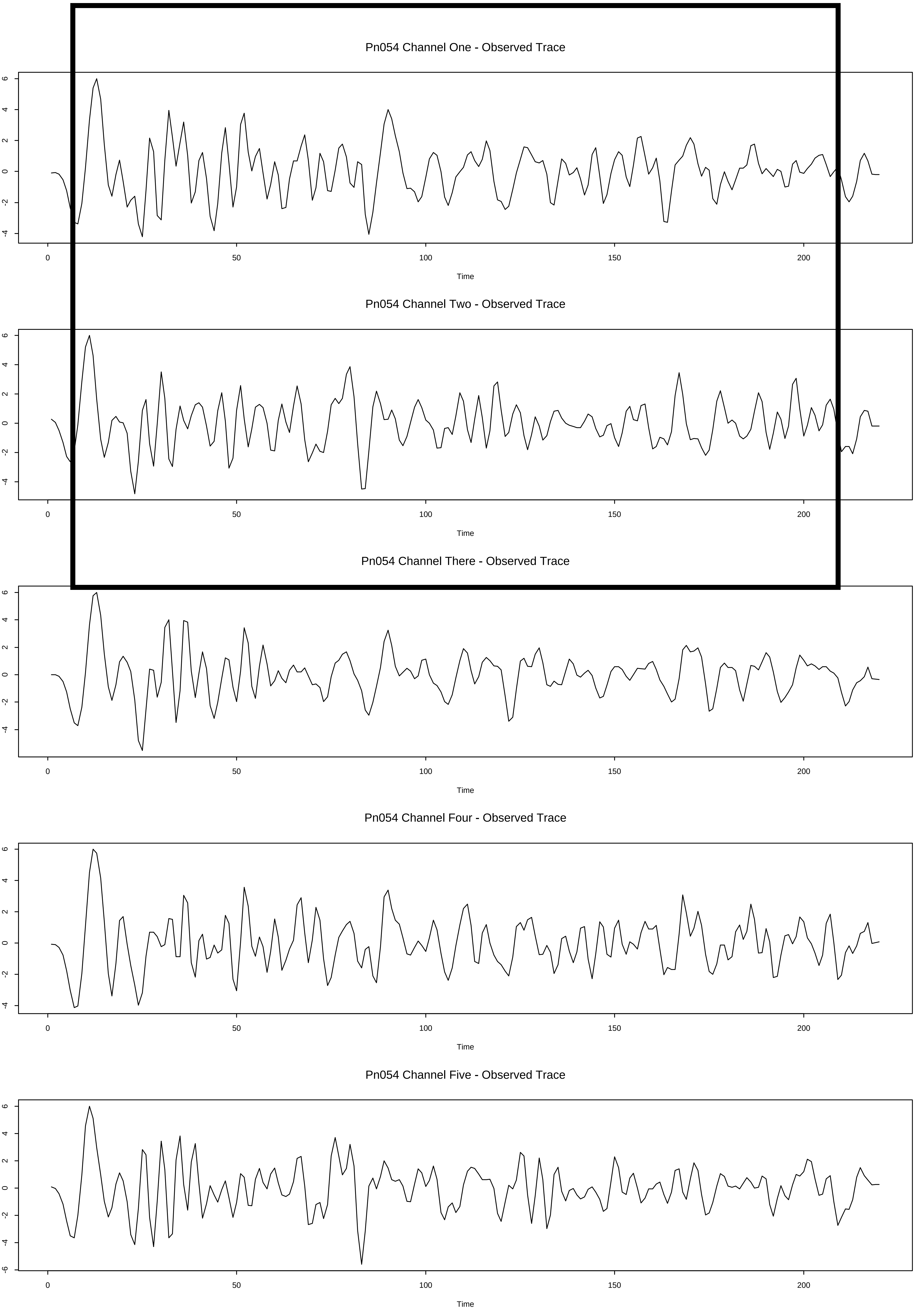


Figure 1: P_n-phase Event 054: Scaled data, $\mathbf{y}_k$, $k = 1, ..., q$, where $q = 5$ and $n = 220$.

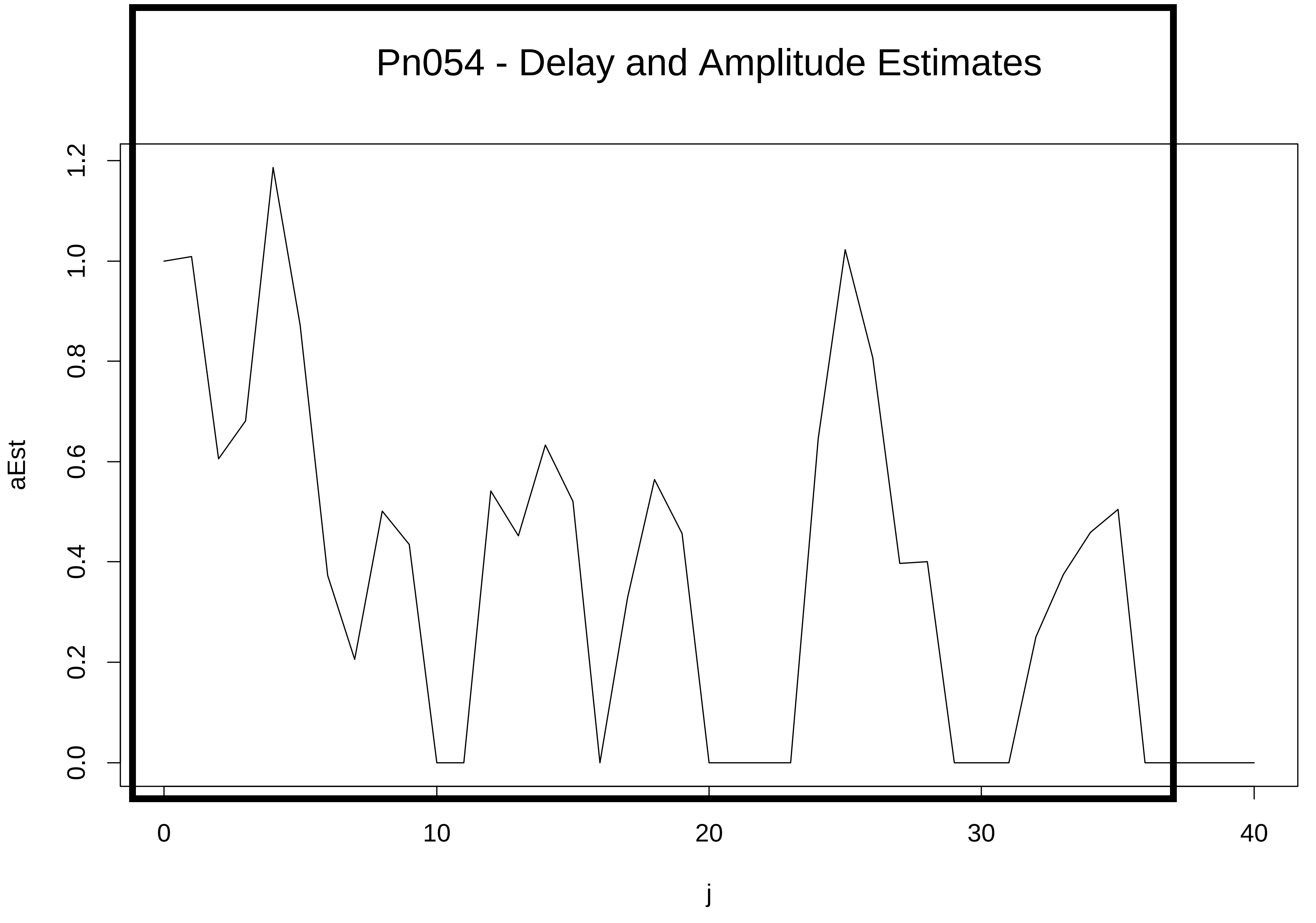


Figure 2: P_n-phase Event 054: Posterior estimates of the *pulse sequence*, $\hat{a}_j$, $j = 1, ..., m$, where $m = 40$.

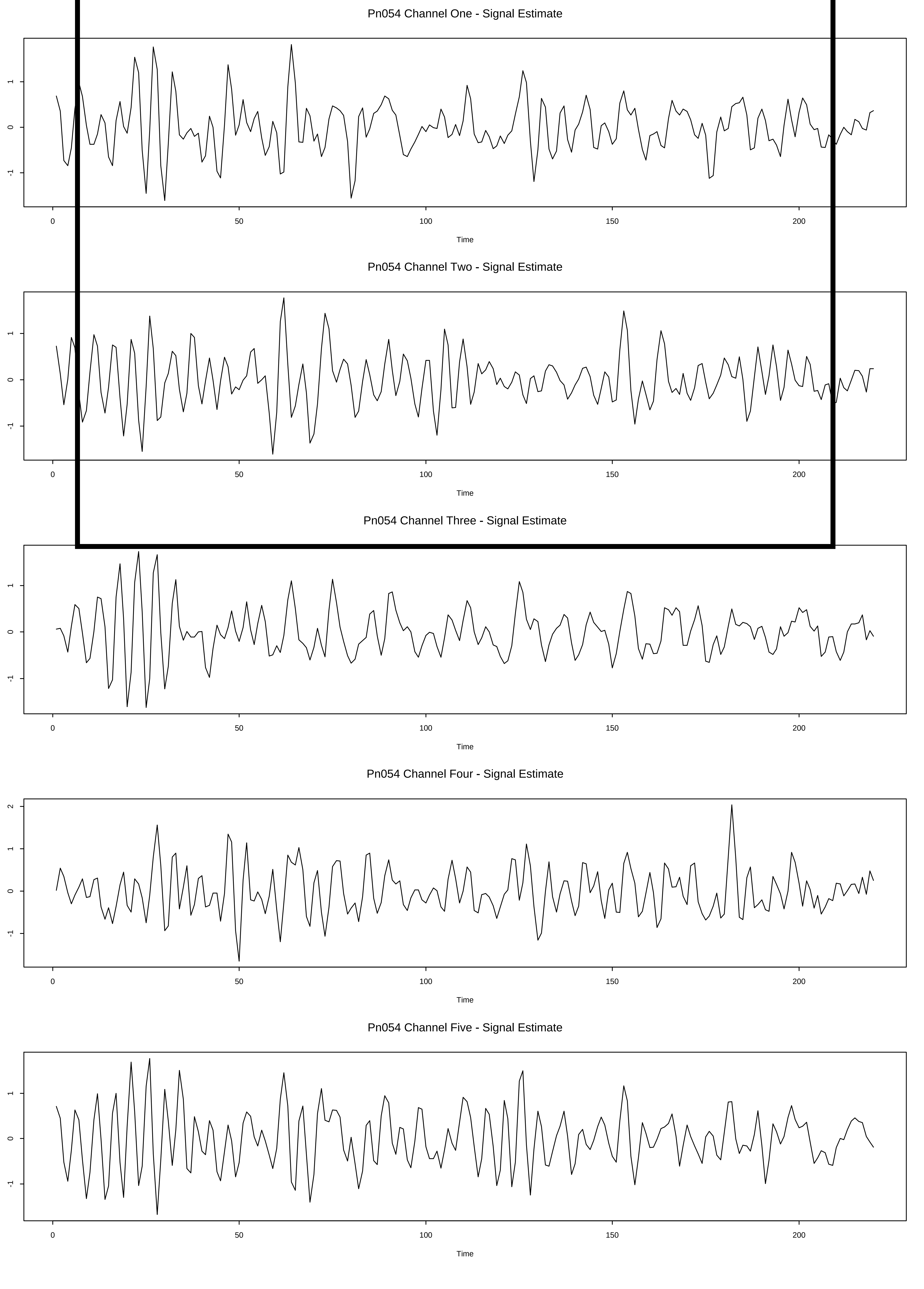
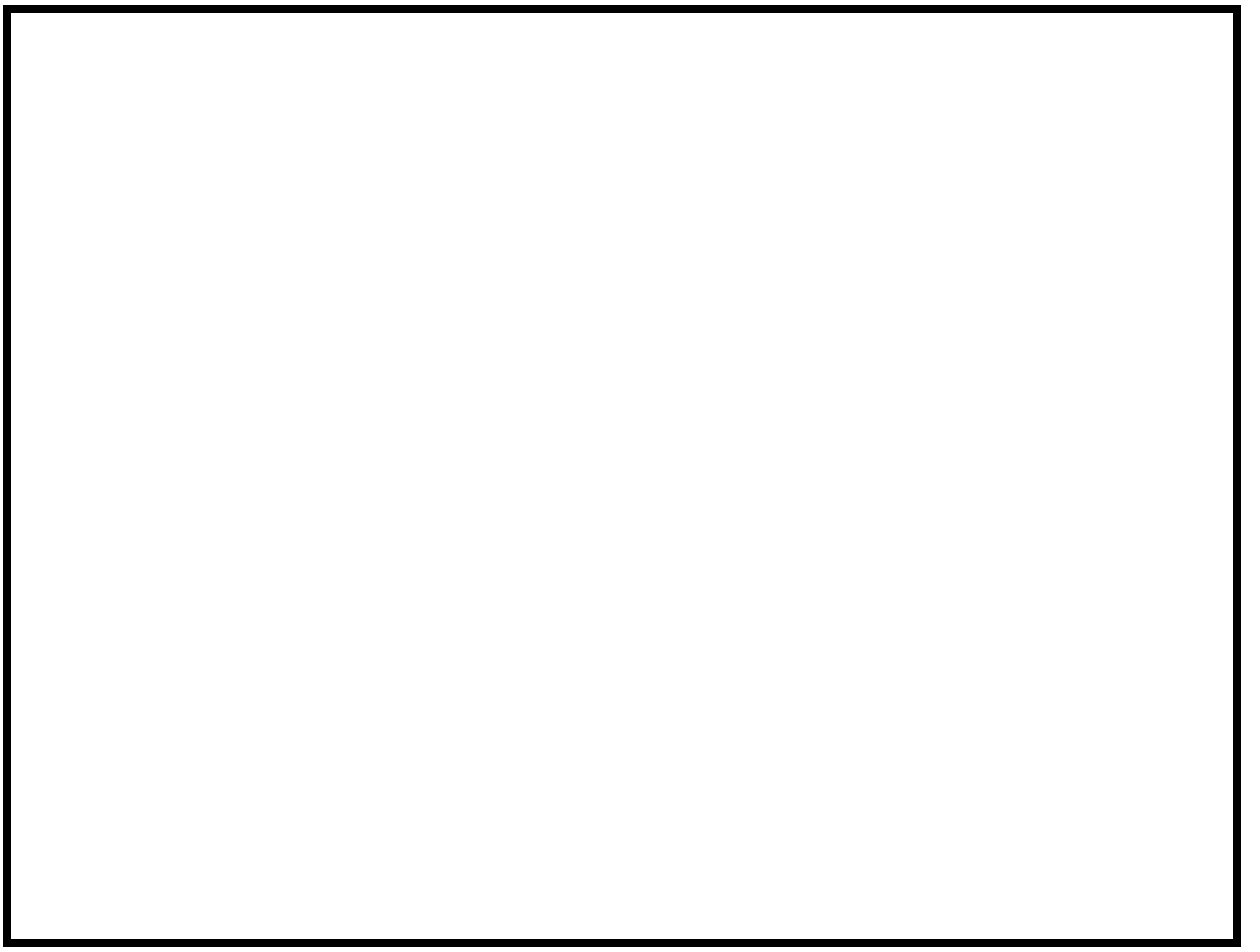


Figure 3: P_n-phase Event 054: Posterior estimates of the *underlying signal-path effects*, $\hat{\mathbf{s}}_k$, on each channel.



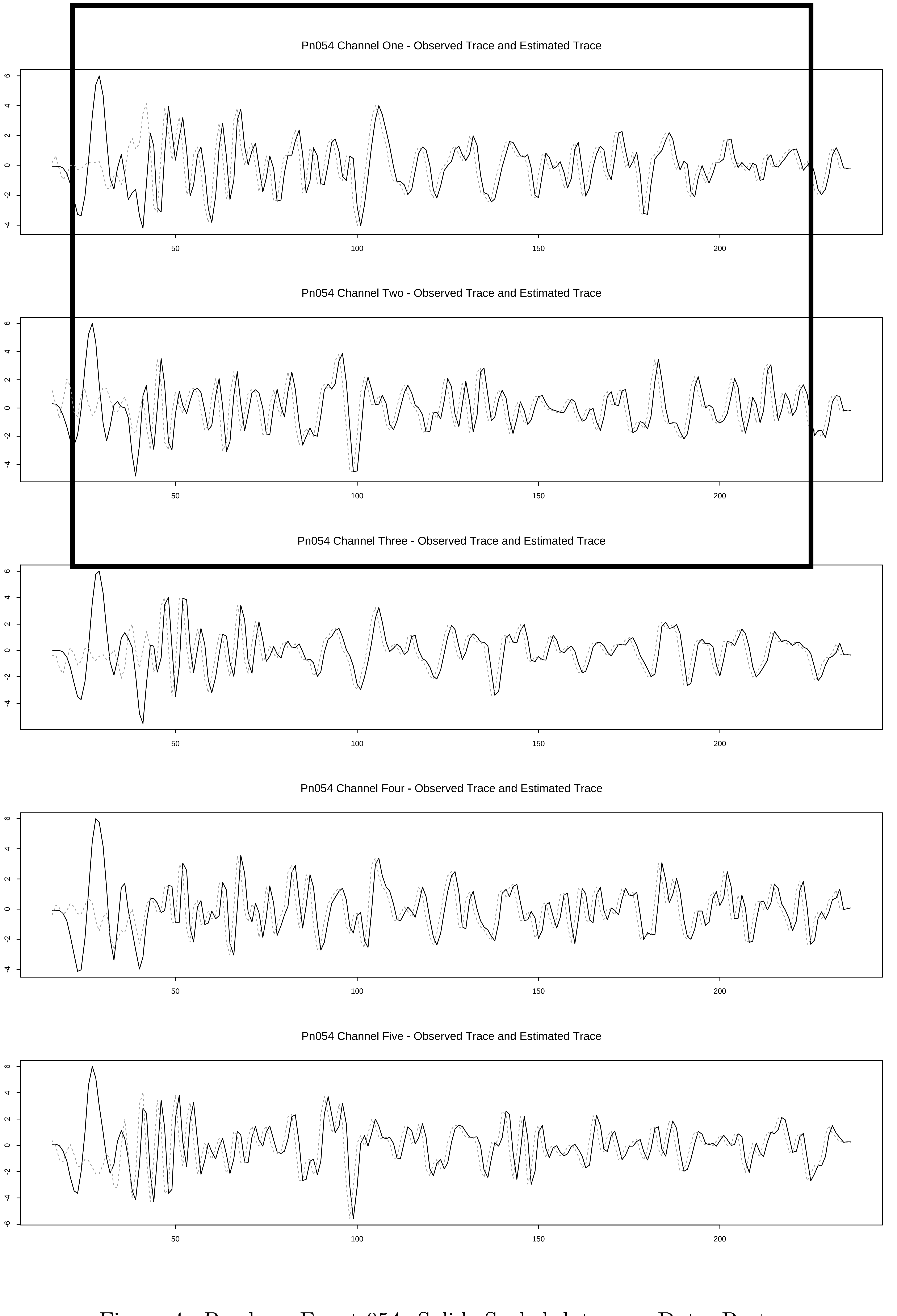


Figure 4: P_n-phase Event 054: Solid: Scaled data, $\mathbf{y}_k$. Dots: Posterior estimates, $\hat{\mathbf{y}}_k$, shifted one point to the left.

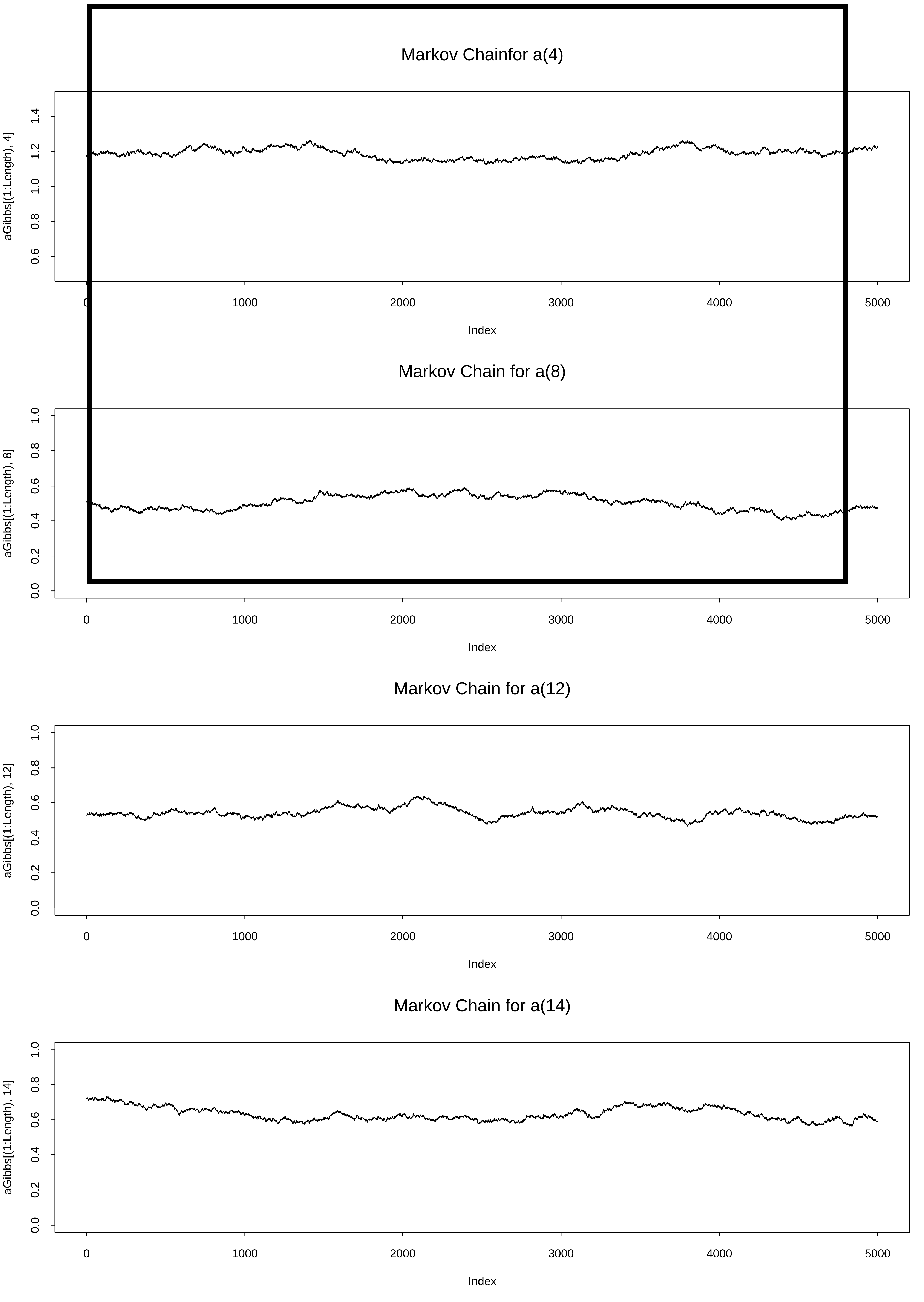


Figure 5: P_n-phase Event 054: Last 5,000 iterations in the Markov chains produced for the peaks in $\hat{a}_j$, $j = a, ..., m$.

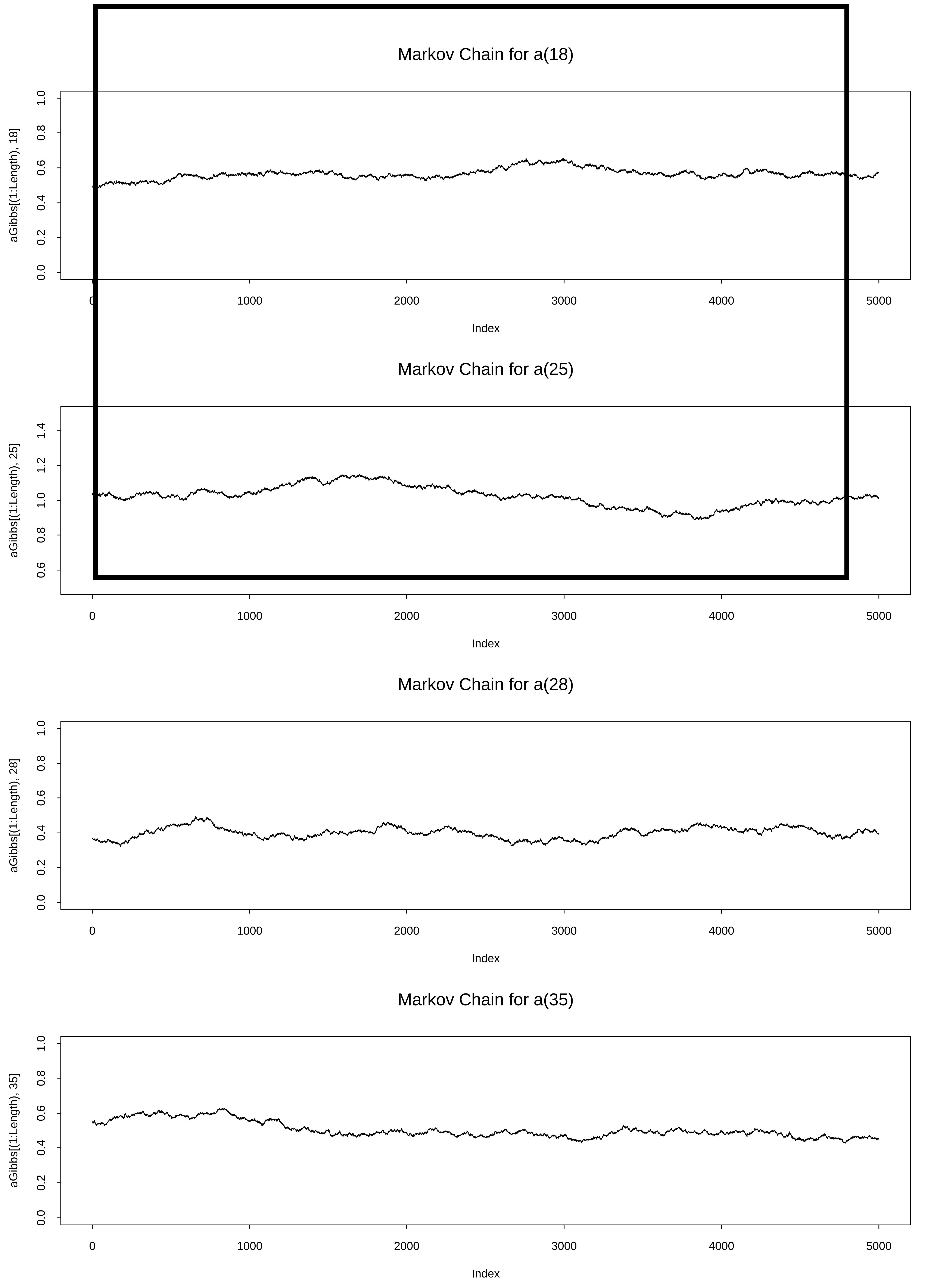


Figure 6: P_n-phase Event 054: Last 5,000 iterations in the Markov chains produced for the peaks in $\hat{a}_j$, $j = a, ..., m$.

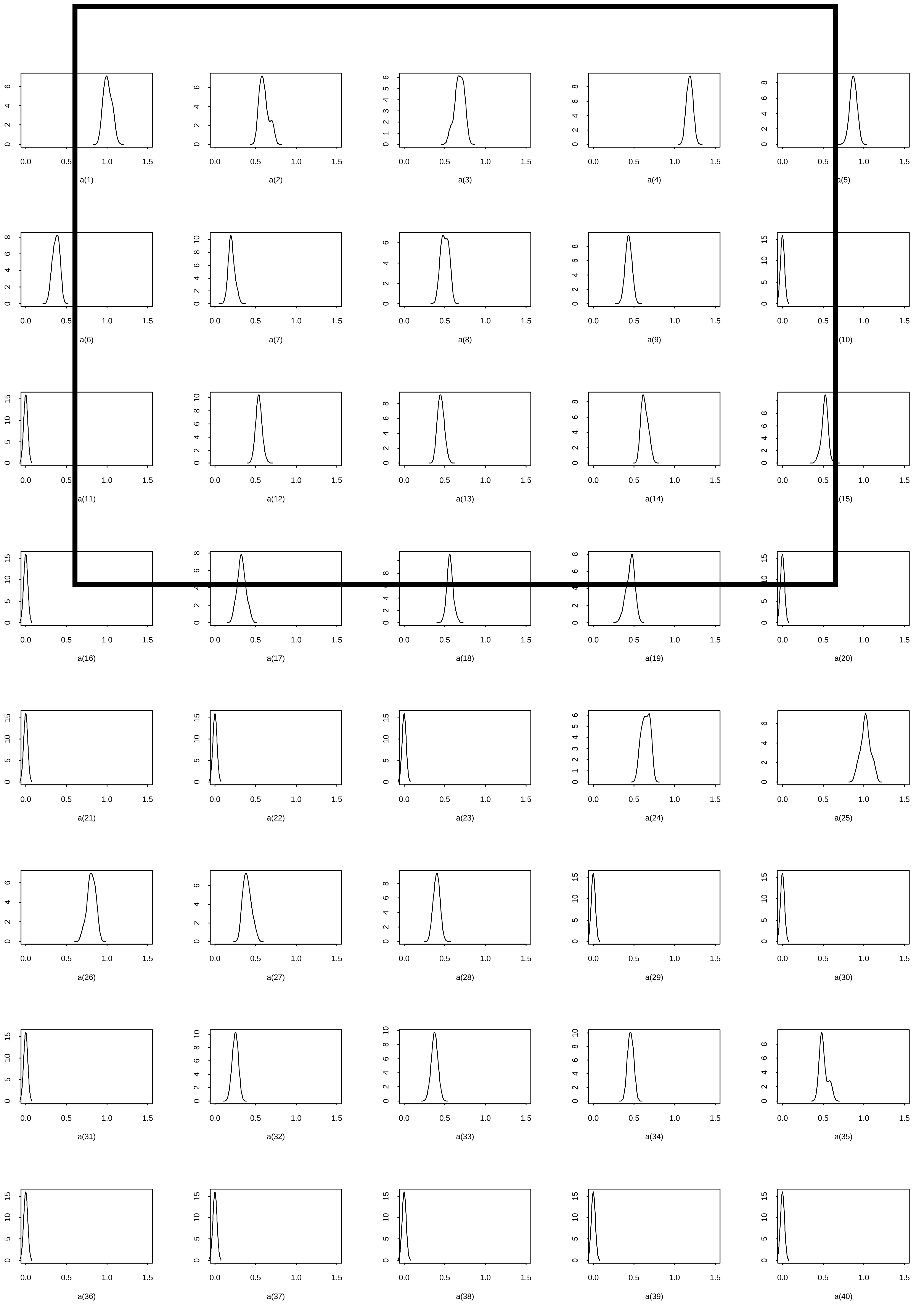


Figure 7: P_n-phase Event 054: Posteriors of a_j, $j = 1, ..., m$.

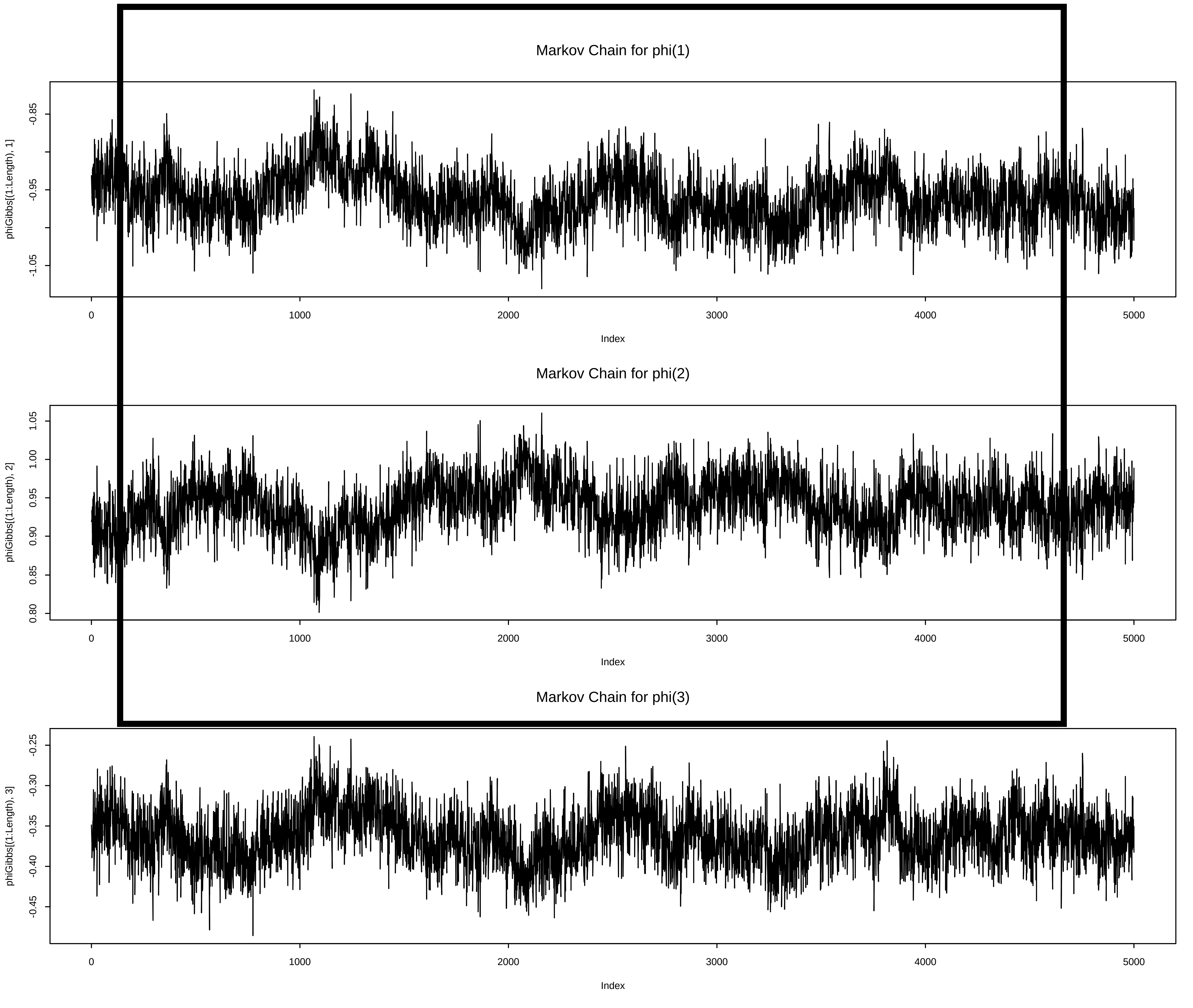


Figure 8: P_n-phase Event 054: Markov chains for $\boldsymbol{\phi}$.

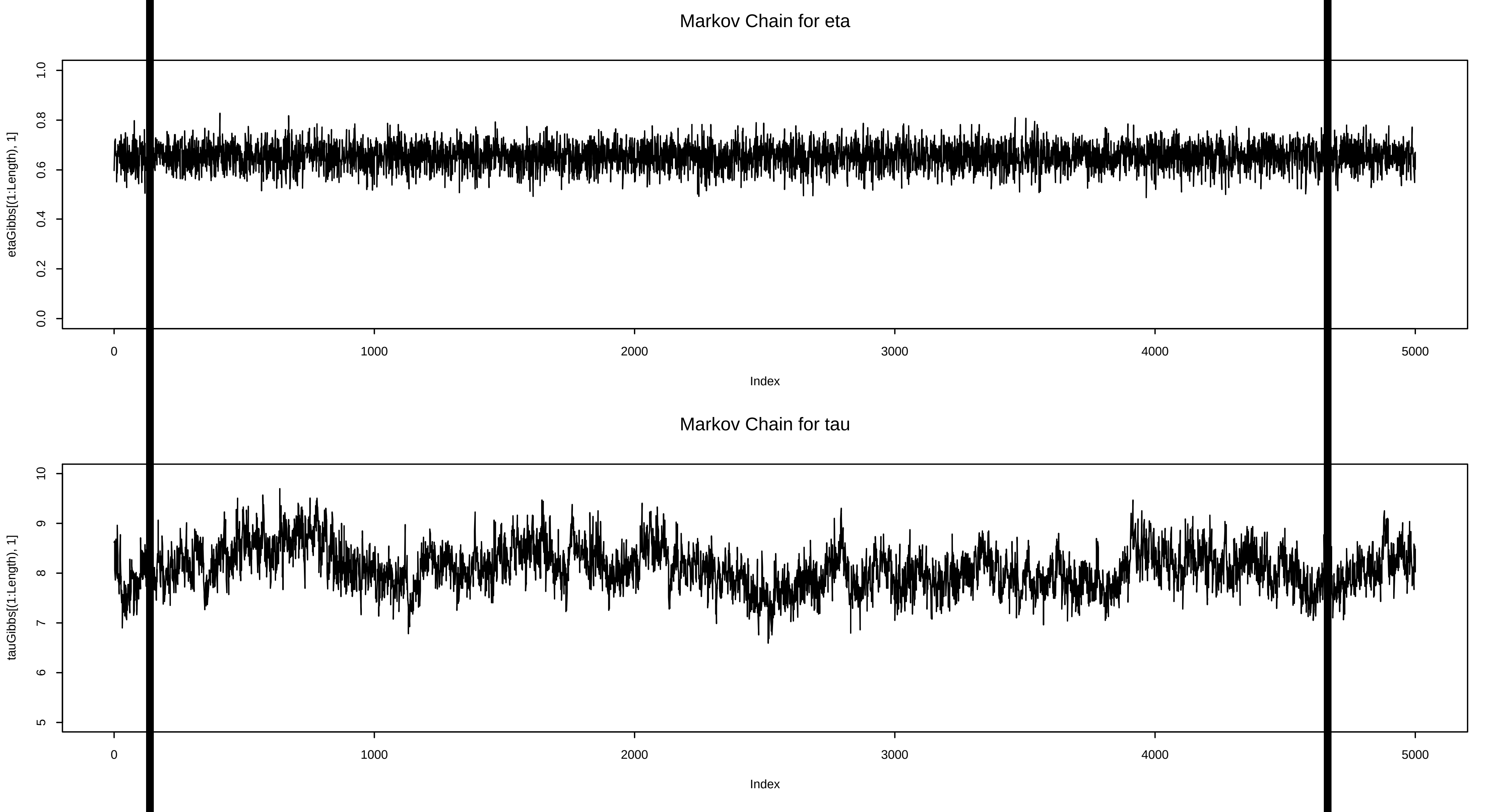


Figure 9: P_n-phase Event 054: Markov chains for η and τ.

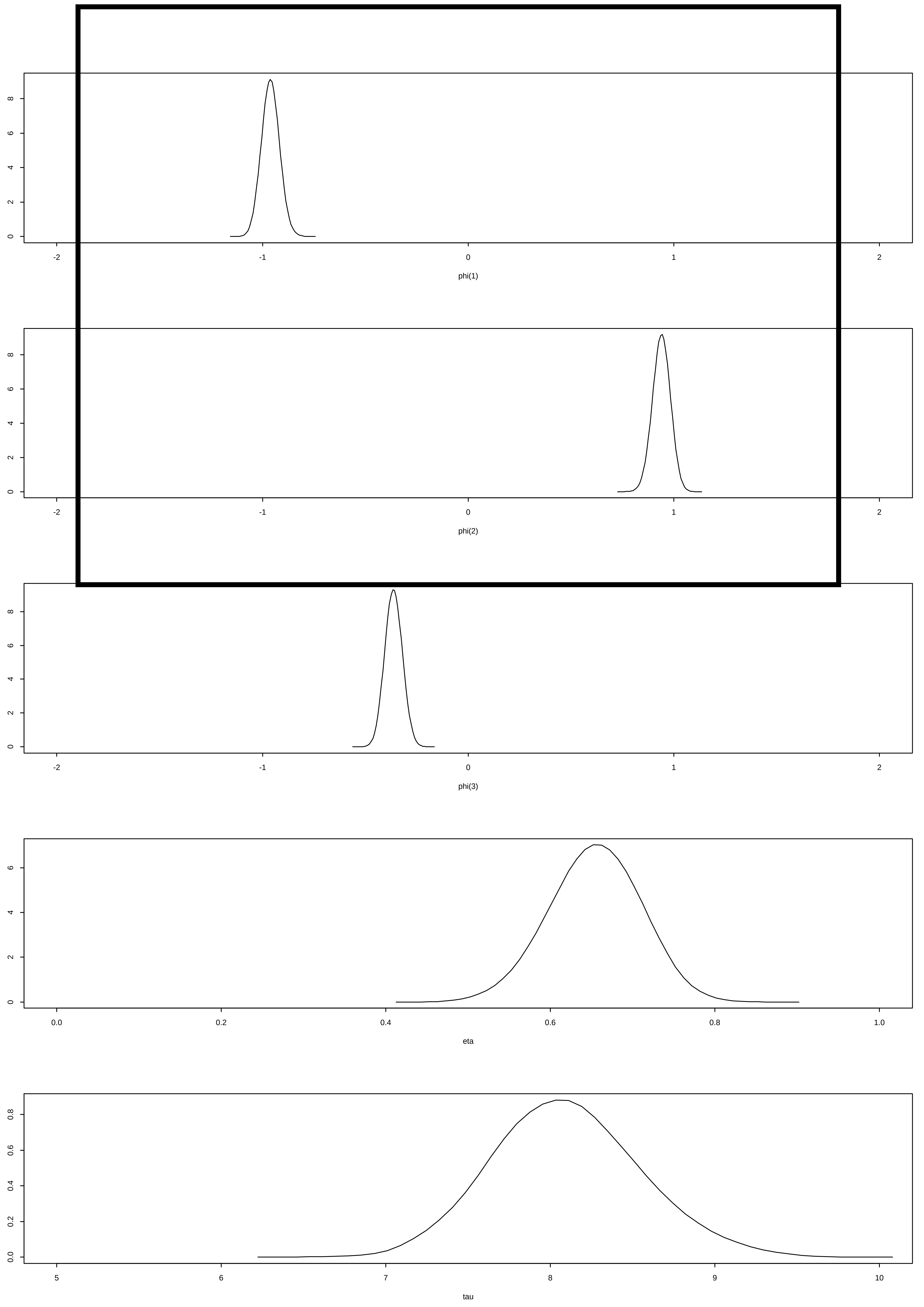


Figure 10: P_n-phase Event 054: Posteriors of ϕ_1, ϕ_2, ϕ_3, η, and τ.

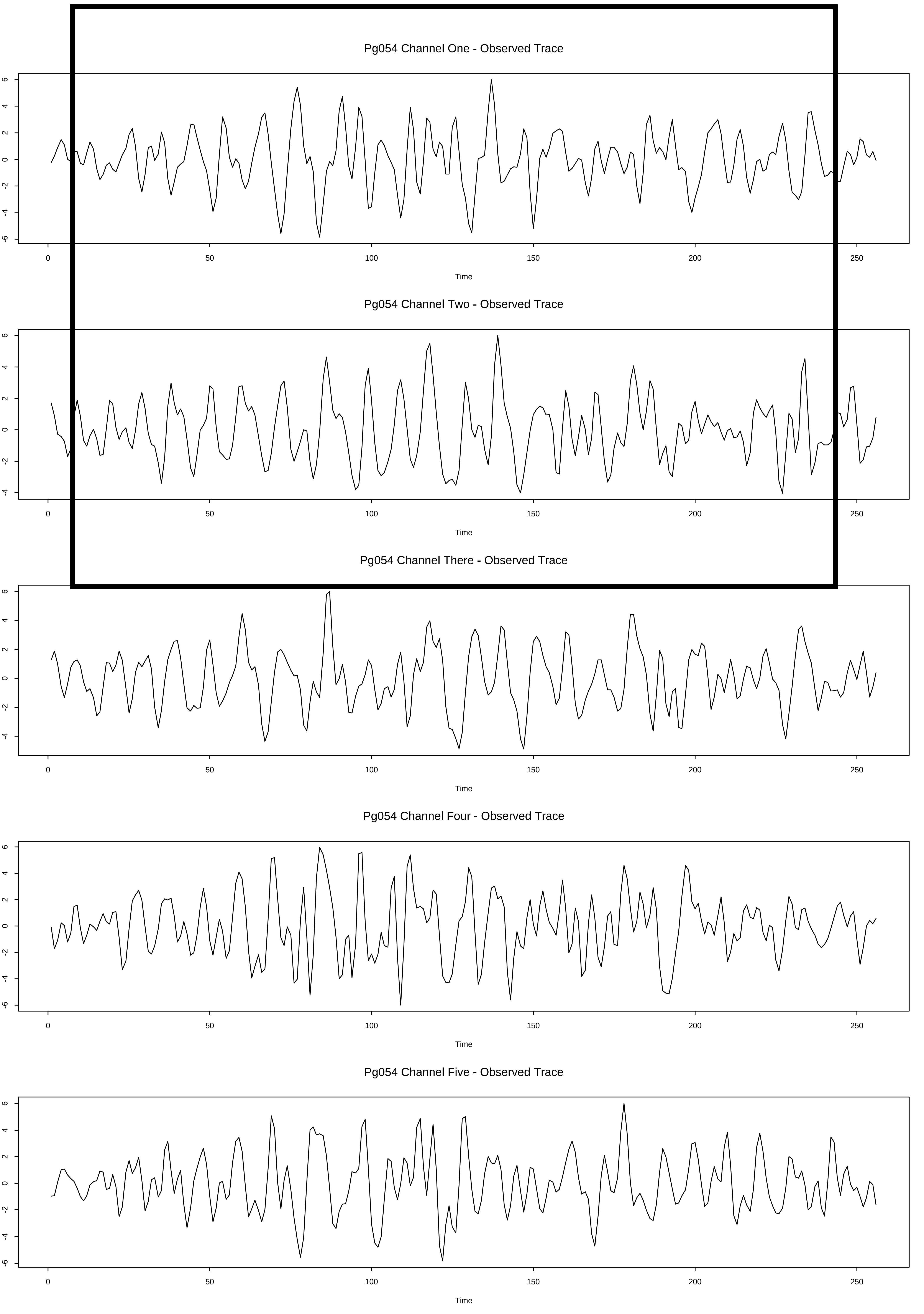
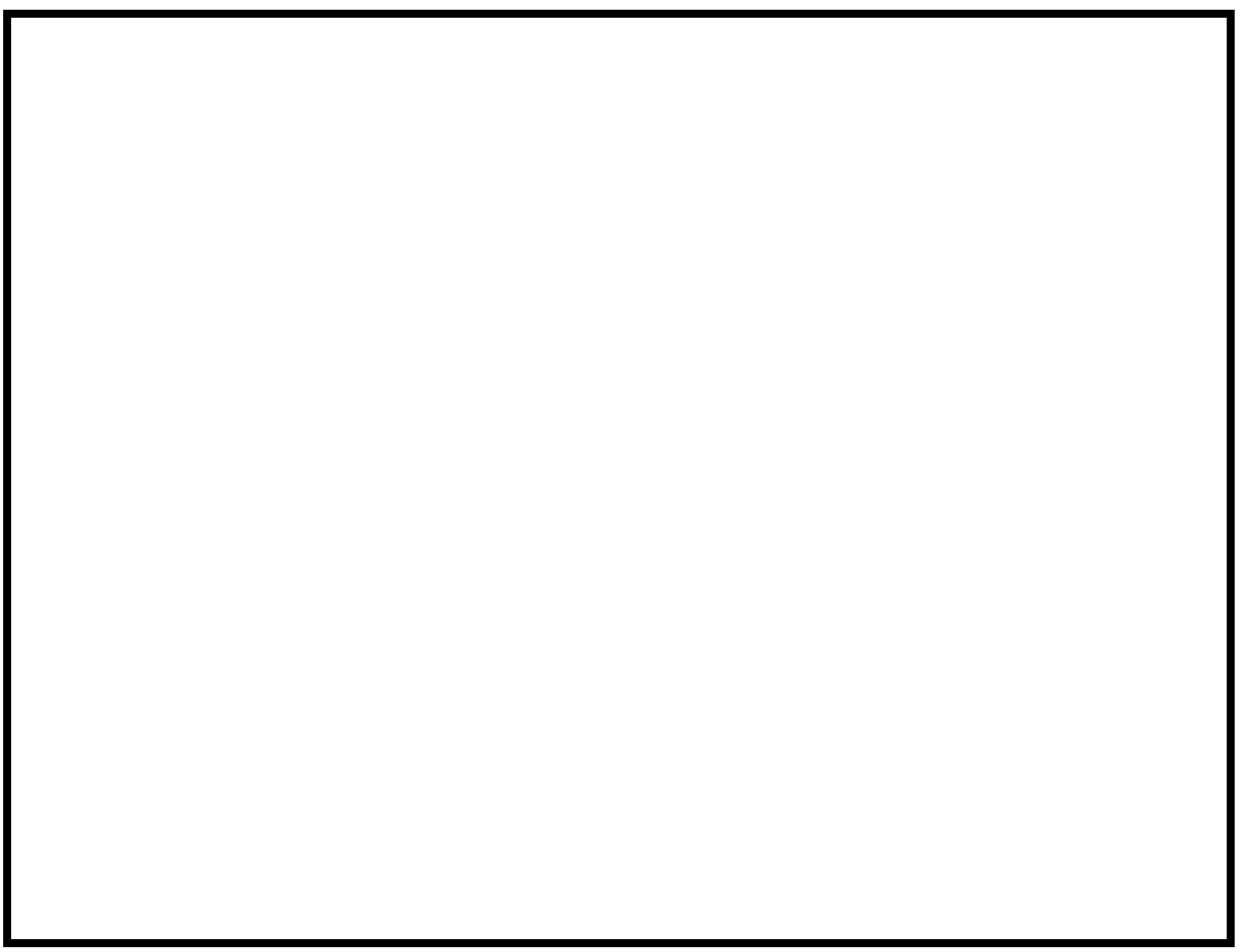


Figure 11: P_g-phase Event 054: Scaled data, $y_k(t)$, $k = 1, ..., q$, $t = 1, ..., n$, where $q = 5$ and $n = 220$.



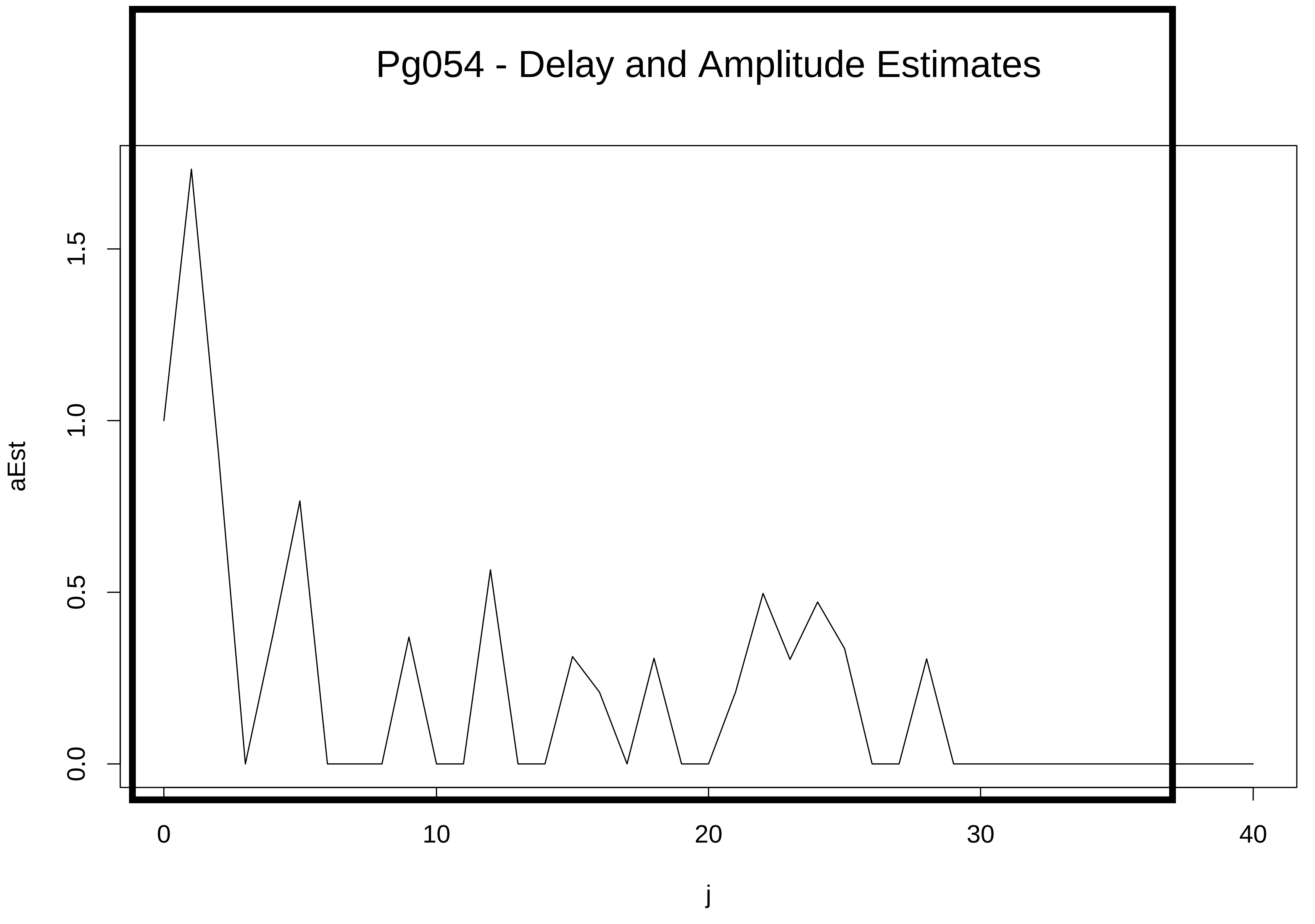


Figure 12: P_g-phase Event 054: Posterior estimates of the *pulse sequence*, $\hat{a}_j$, $j = 1, ..., m$, where $m = 40$.

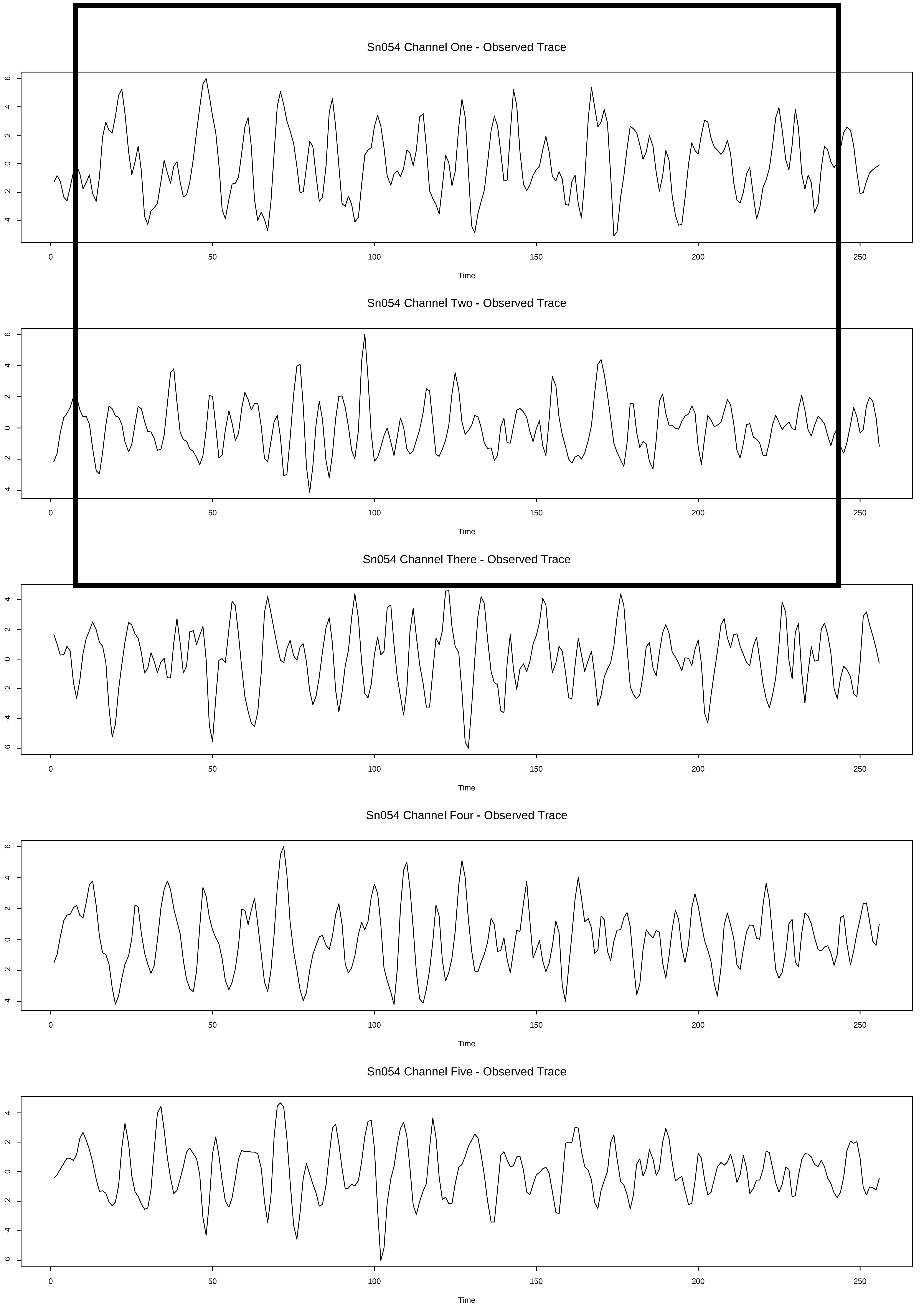


Figure 13: S_n-phase Event 054: Scaled data, $y_k(t)$, $k = 1, ..., q$, $t = 1, ..., n$, where $q = 5$ and $n = 256$.

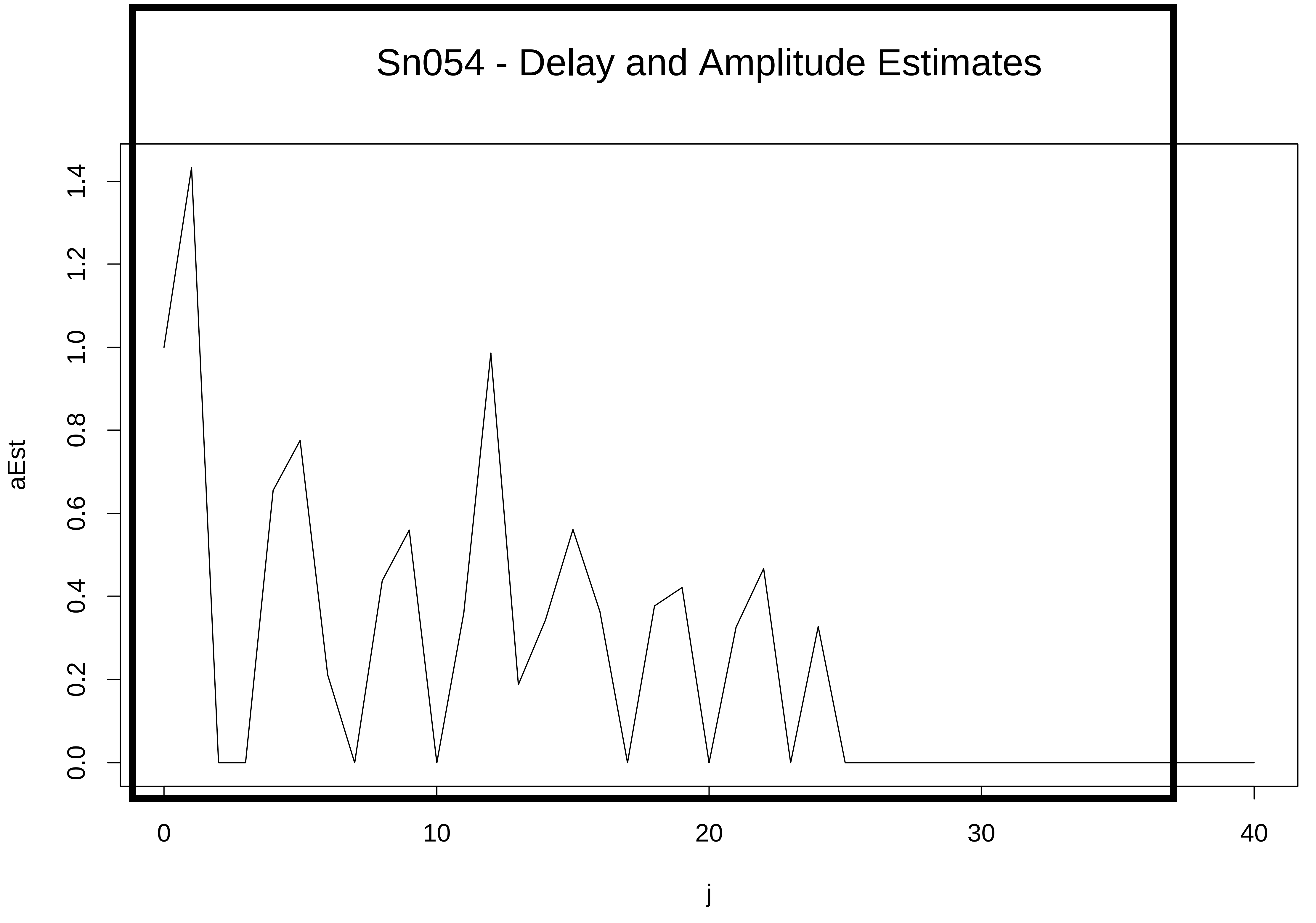


Figure 14: S_n-phase Event 054: Posterior estimates of the *pulse sequence*, $\hat{a}_j$, $j = 1, ..., m$, where $m = 40$.

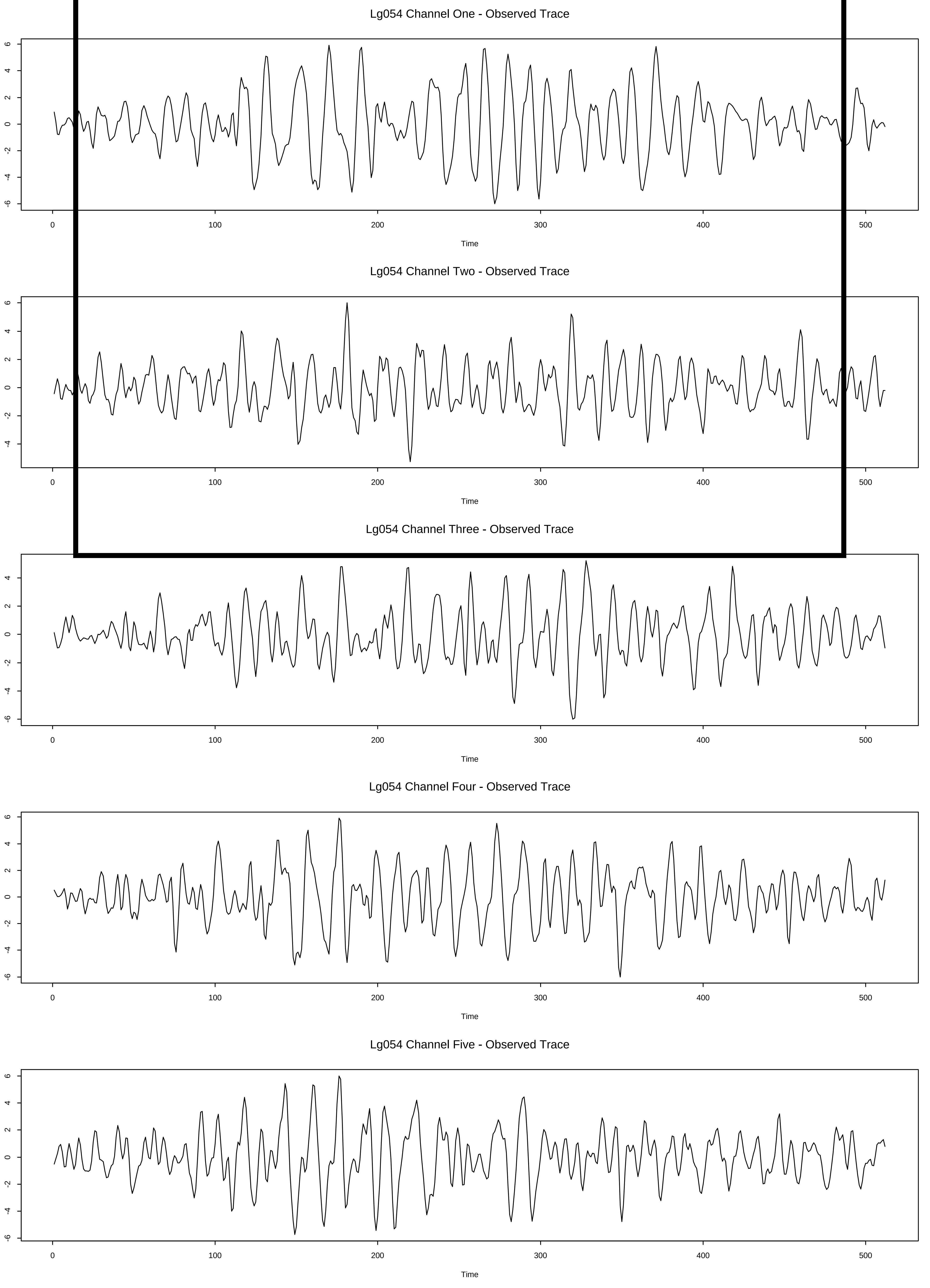


Figure 15: L_g-phase Event 054: Scaled data, $y_k(t)$, $k = 1, ..., q$, $t = 1, ..., n$, where $q = 5$ and $n = 512$.

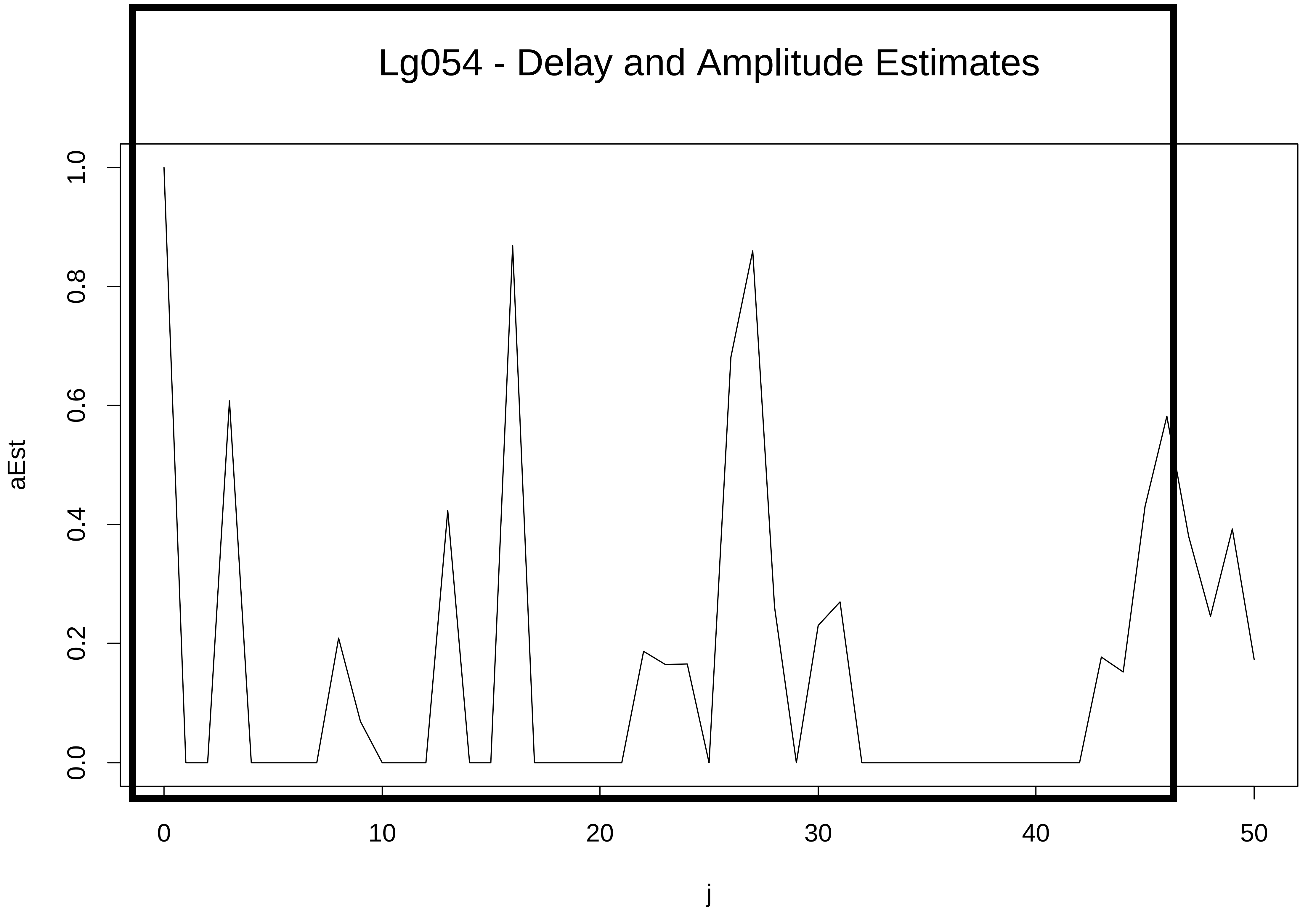


Figure 16: L_g-phase Event 054: Posterior estimates of the *pulse sequence*, $\hat{a}_j$, $j = 1, ..., m$, where $m = 50$.

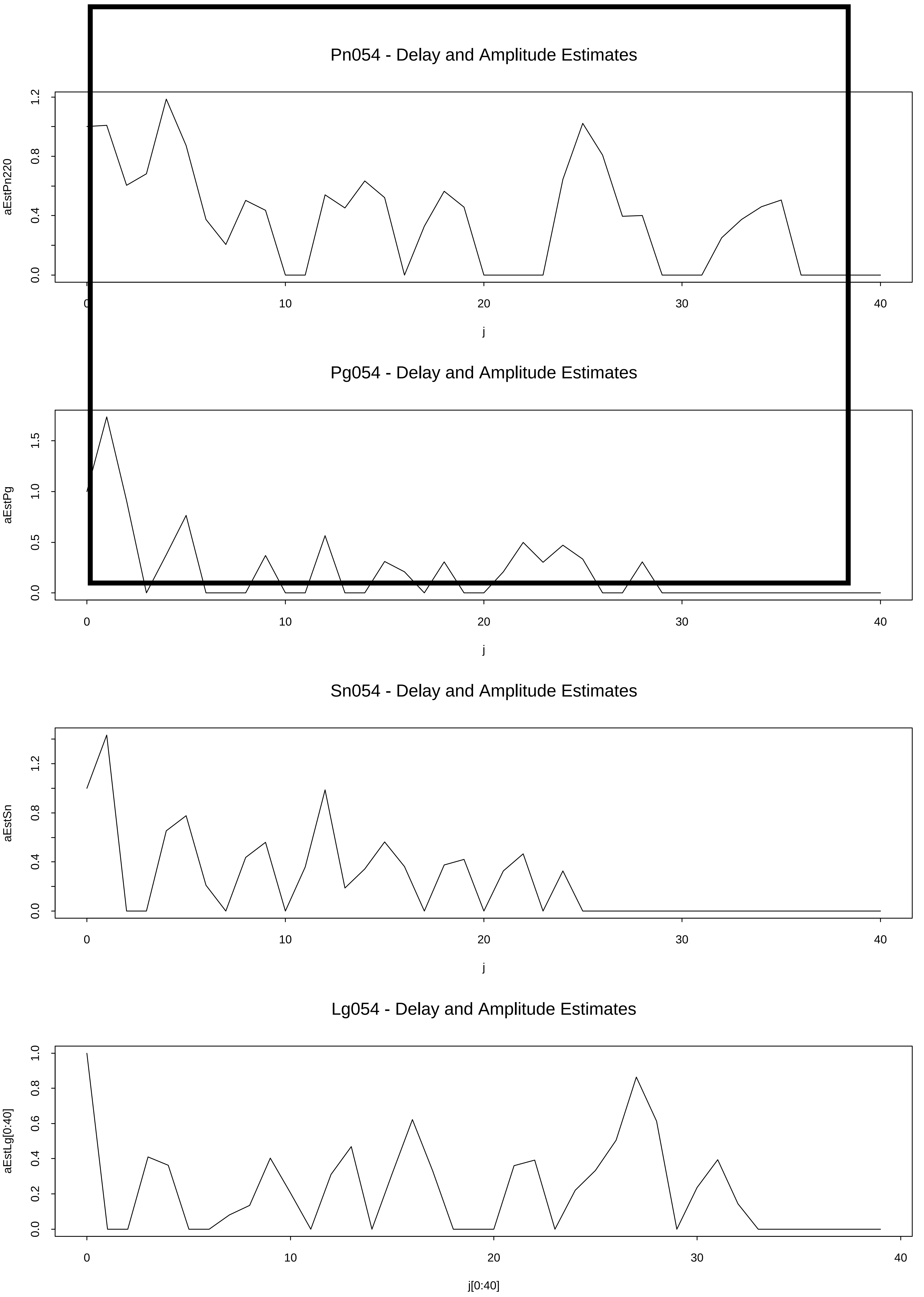


Figure 17: Event 054: Posterior estimates of the *pulse sequence* from each phase.