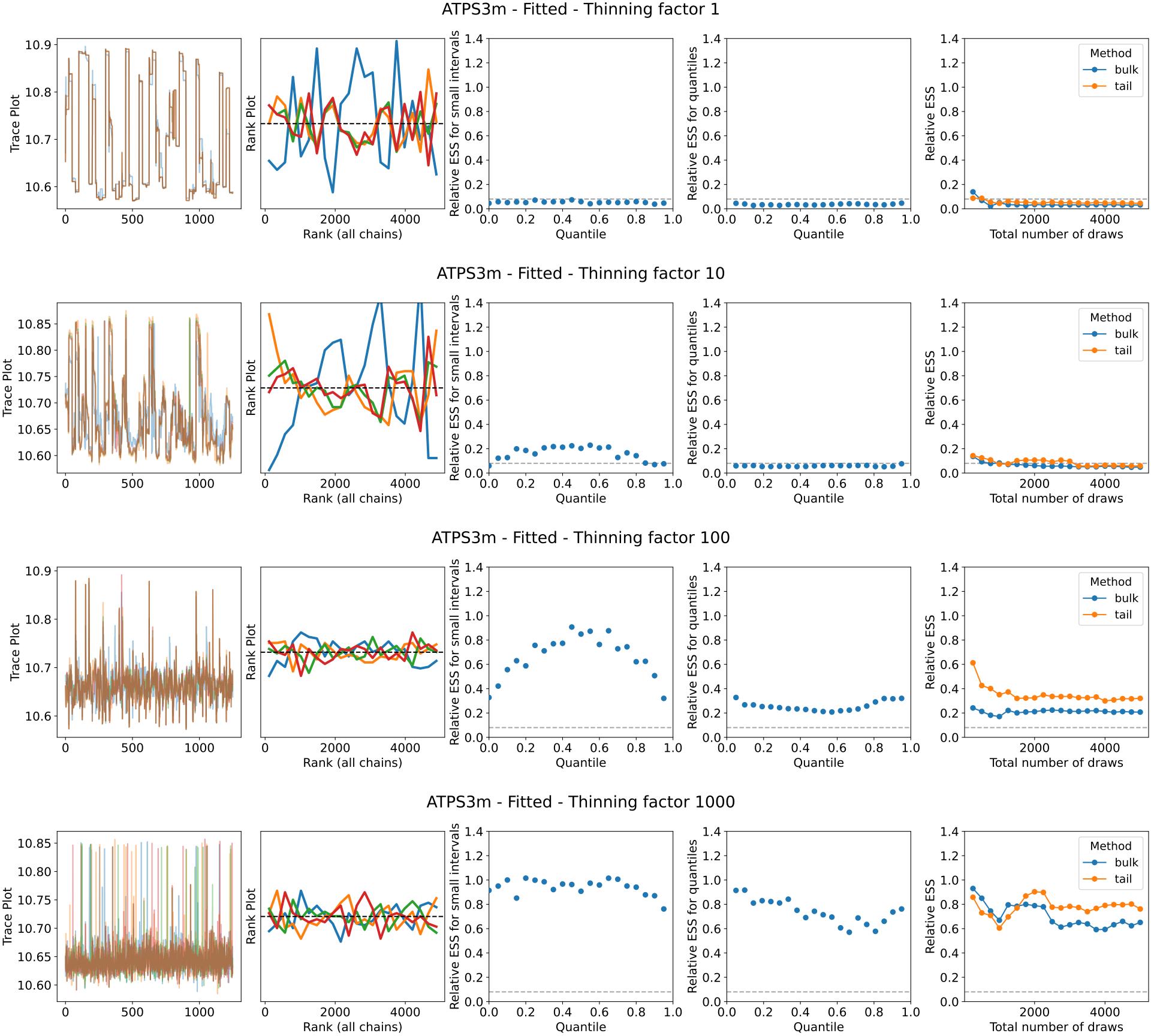
ATPS3m - Fitted - Thinning factor 1 small intervals 0.1 0.8 dnantiles 1.0 Method 10.40 1.2 - bulk Relative ESS - 8.0 - 9.0 tail Tace Plot 10.35 Rank Plot <u>ර</u> 0.8 6.0 ESS for 0.6 SS3 0.4 10.25 Relative | 0.2 0.2 10.20 0.0 0.04000 1000 2000 0.2 0.6 2000 4000 500 0.8 0.8 1.0 0 0.6 0.2 0.4 0.0 Rank (all chains) Quantile Quantile Total number of draws ATPS3m - Fitted - Thinning factor 10 small intervals 0.1 8.0 8.0 10.40 dnantiles 1.0 Method 1.2 - bulk Relative ESS 9.0 6.1 10.35 🕕 tail Trace Plot Rank Plot 8.0 و Relative ESS f 7.0 0 0 7.0 0 9.0 0 0.6 SS3 0.4 10.25 Relative I 0.2 10.20 0.0 0.0 2000 500 1000 2000 4000 0.2 4000 0.4 0.6 8.0 1.0 0.2 0.6 0.0 8.0 1.0 0 0.4 0 0.0 Quantile Quantile Rank (all chains) Total number of draws ATPS3m - Fitted - Thinning factor 100 small intervals 0.0 0.1 0.8 200 dnantiles 1.0 Method 1.2 - bulk 150 Relative ESS 9.0 9.0 9.1 – tail Trace Plot Rank Plot ESS for 9.0 8.0 8.0 Relative 7.0 50 0.0 0.0 500 1000 2000 4000 4000 2000 8.0 0.0 0.2 0.6 0.4 8.0 1.0 0 0.2 0.6 1.0 Rank (all chains) Quantile Quantile Total number of draws ATPS3m - Fitted - Thinning factor 1000 small intervals 0.1 8.0 8.0 Method 10.350 1.2 bulk Relative ESS 0.0 0.0 0.0 0.1 0.0 0.1 0.0 0.0 0.1 10.325 10.325 10.300 10.275 Rank Plot 10.250 0.2 10.225 0.0 0.0 4000 0.4 0.6 Quantile 500 1000 2000 0.4 0.6 Quantile 2000 0.2 0.2 1.0 4000 0.4 8.0 1.0 8.0 0 0 0.0 Rank (all chains) Total number of draws

ATPS3m - Fitted - Thinning factor 1 small intervals 0.0 8.0 duantiles 0.1 Method 10.85 1.2 • bulk 10.80 tail 10.75 10.75 Rank Plot <u>ම</u> 0.8 رة 0.6 8.0 ESS ESS 0.4 Relative 2.0 4 10.65 Relative E 2.0 0.0 2.0 4.0 10.60 0.2 0.0 500 1000 2000 4000 0.2 0.6 8.0 4000 0.6 2000 0 8.0 1.0 1.0 0 0.0 0.2 0.0 Rank (all chains) Quantile Quantile Total number of draws ATPS3m - Fitted - Thinning factor 10 small intervals 0.0 8.0 10.9 dnantiles 1.2 Method 1.2 • bulk Relative ESS 9.0 8.0 9.1 **→** tail 10.8 10.7 Rank Plot 8.0 <u>d</u> ر 9.0 أ 8.0 ESS SS3 0.4 Relative 0.4 0.2 Relative 7.0 0.0 2.0 0.0 10.6 0.2 0.0 0.0 500 1000 2000 4000 0.2 0.6 0.6 1.0 2000 4000 8.0 0.2 0.0 1.0 0.0 8.0 0 0.4 0.4 0 Quantile Quantile Rank (all chains) Total number of draws ATPS3m - Fitted - Thinning factor 100 small intervals 0.1 2.0 8.0 10.85 dnantiles 1.0 Method 1.2 • bulk 10.80 Relative ESS 9.0 0.0 9.0 0.1 tail 10.75 10.70 10.65 Rank Plot ۇ 8.0 ئو ر 9.0 أو 0.6 Relative ESS 1 0 0 0 0 0 0 0 0 10.65 0.2 0.2 10.60 500 1000 2000 4000 4000 2000 0.0 8.0 1.0 0.2 0.6 0.0 8.0 1.0 0.2 Rank (all chains) Quantile Quantile Total number of draws ATPS3m - Fitted - Thinning factor 1000 1.4 10.85 dnantiles 1.0 Method 1.2 • bulk 10.80 Relative ESS 9.0 8.0 9.1 8.0 9.1 Trace 10.75 Rank Plot ESS for 9.0 8.0 ر 9.6 م Relative ESS f Relative – 0.4 10.65 0.2 10.60 0.0 + 0.0 0.0 0.4 0.6 Quantile 500 1000 2000 0.4 0.6 Quantile 0.2 1.0 0.2 8.0 1.0 2000 4000 4000 8.0 0.4 0 0.4 Rank (all chains) Total number of draws

ATPS3m - Fitted - Thinning factor 1 small intervals 0.0 8.0 duantiles 0.1 Method 10.80 1.2 • bulk Relative ESS 0.0 0.0 0.0 0.1 0.0 0.0 0.1 tail Tace 10.75 10.70 Rank Plot <u>ම</u> 0.8 بة _{0.6} 8.0 ESS ESS 0.4 Relative 0.2 10.65 Relative I 0.2 10.60 0.0 500 1000 2000 4000 0.2 0.6 0.6 8.0 2000 4000 0.0 8.0 1.0 1.0 0 0.4 0.0 Rank (all chains) Quantile Quantile Total number of draws ATPS3m - Fitted - Thinning factor 10 small intervals 1.0 8.0 dnantiles 1.2 Method 10.85 1.2 • bulk Relative ESS 9.0 8.0 9.1 10.80 **→** tail Tace 10.75 Rank Plot 8.0 و ا 0.6 فو 6.0 ESS SS3 0.4 8elative 0.2 10.65 Relative I 0.2 10.60 0.0 0.0 1000 2000 500 4000 0.2 0.6 1.0 2000 4000 0.2 0.6 8.0 1.0 0.0 0.0 8.0 0.4 0.4 0 0 Quantile Quantile Rank (all chains) Total number of draws ATPS3m - Fitted - Thinning factor 100 small intervals 0.1 2.0 8.0 dnantiles 1.0 Method 10.85 1.2 • bulk 10.80 Relative ESS 9.0 0.0 9.0 0.1 🕶 tail Tace 10.75 Rank Plot ම් 0.8 Relative ESS for s 0 0 0 0 0 00 0 0 0 6.0 ESS 1 10.65 0.2 0.2 10.60 0.0 500 2000 1000 2000 4000 8.0 0.2 4000 0.0 8.0 1.0 0.0 0.2 1.0 0.6 Rank (all chains) Quantile Quantile Total number of draws ATPS3m - Fitted - Thinning factor 1000 dnantiles 1.0 Method 10.85 1.2 bulk Relative ESS 0.0 0.1 8.0 0.0 10.80 10.75 10.75 10.70 Plot ESS for 9.0 8.0 ر 9.6 أ Rank Relative ESS f Relative F 10.65 0.2 10.60 0.0 + 0.0 0.0 1000 2000 0.2 0.4 0.6 Quantile 500 1.0 0.2 1.0 2000 4000 4000 8.0 0.4 0.6 8.0 0 0.4 Rank (all chains) Quantile Total number of draws



ATPS3m - Fitted - Thinning factor 1 dnantiles Method 1.2 10.0 - bulk Relative ESS 9.0 6.1 9.0 6.1 tail 9.9 Trace Plot Rank Plot ම් 0.8 6.0 ESS 9.8 Relative 2.0 9.7 Relative I 0.2 9.6 0.0 2000 500 1000 4000 0.2 0.6 8.0 2000 4000 0 0.6 1.0 8.0 0.2 0.0 0.4 Rank (all chains) Quantile Quantile Total number of draws ATPS3m - Fitted - Thinning factor 10 dnantiles 1.0 10.2 Method 1.2 • bulk **→** tail Trace Plot 8.6 Rank Plot ව් 0.8 6.0 ESS 9.8 Relative 0.2 Relative I 0.2 0.2 9.6 0.0 0.0 1000 2000 2000 500 4000 0.2 0.6 0.2 8.0 1.0 4000 8.0 1.0 0.6 0 0.0 0.4 0.0 0.4 Rank (all chains) Quantile Quantile Total number of draws ATPS3m - Fitted - Thinning factor 100 dnantiles Method 10.0 1.2 • bulk • tail 9.9 Trace Plot Rank Plot ESS for 9.0 8.0 9.8 elative 0.2 0.2 500 1000 2000 4000 2000 4000 8.0 0.0 0.2 8.0 1.0 0 0.0 0.2 0.6 1.0 0.6 Quantile Quantile Total number of draws Rank (all chains) ATPS3m - Fitted - Thinning factor 1000 dnantiles 1.0 Method 9.85 1.2 bulk 9.80 Relative ESS 9.0 9.0 9.1 Tace Pot 9.75 9.70 Plot ESS for 0.6 Relative 9.65 0.2 0.2 9.60 0.0 + 0.0 0.0 1000 2000 4000 0.4 0.6 Quantile 0.4 0.6 Quantile 2000 500 0.2 8.0 1.0 0.2 8.0 1.0 4000 0.4 0 0.0 Total number of draws Rank (all chains)