



ATPS3m - Interpolated - Thinning factor 1 small intervals 0.1 0.8 duantiles 1.0 Method 10.85 1.2 - bulk 10.80 tail Tace 10.75 10.75 Rank Plot 8.0 ල<u>්</u> ا 0.6 و 8.0 ESS ESS 0.4 Relative 5.0 8.0 10.65 Relative I 0.2 10.60 0.0 1000 500 2000 4000 0.2 0.6 8.0 2000 4000 0 0.0 8.0 1.0 0.6 1.0 0 0.4 0.0 Rank (all chains) Quantile Quantile Total number of draws ATPS3m - Interpolated - 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 10.75 10.75 10.70 Rank Plot 8.0 ල් رة 0.6 6.0 ESS ESS 0.4 8elative 2.0 ative 10.65 Relative I 0.2 10.60 0.0 0.0 1000 500 2000 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 - Interpolated - Thinning factor 100 small intervals 0.1 2.0 8.0 dnantiles 1.0 Method 10.85 1.2 • bulk Relative ESS 9.0 0.0 7.0 0.0 0.1 10.80 • 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 10.65 0.2 0.2 10.60 0.0 500 1000 2000 2000 4000 8.0 0.2 4000 0.0 0.6 8.0 1.0 0.0 0.2 1.0 Rank (all chains) Quantile Quantile Total number of draws ATPS3m - Interpolated - Thinning factor 1000 small intervals 0.0 0.0 8.0 dnantiles 1.0 Method 10.85 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 آ Rank Relative ESS 1 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 10.9^{-1} dnantiles Method 1.2 - bulk Relative ESS 9.0 6.1 9.0 6.1 tail Trace Plot 7.01 Race Plot 7.01 Race Plot Rank Plot <u>ව</u> 0.8 6.0 ESS Relative 2.0 Relative E 2.0 0.0 2.0 4:0 0.2 10.6 0.0 2000 500 1000 4000 0.6 8.0 8.0 2000 4000 0 1.0 0 0.2 0.6 0.0 Rank (all chains) Quantile Quantile Total number of draws ATPS3m - Fitted - Thinning factor 10 10.9 dnantiles 1.0 Method 1.2 - bulk Relative ESS 9.0 6.1 9.0 6.1 **→** tail Trace Plot 7.01 Race Plot 7.01 Race Plot Rank Plot ۇ 8.0 ئۇ 6.0 ESS Relative 2.0 Relative E 0.2 10.6 0.0 0.0 1000 2000 2000 500 4000 0.2 8.0 1.0 4000 0.6 8.0 1.0 0.2 0.4 0.6 0 0 0.0 0.4 Rank (all chains) Quantile Quantile Total number of draws ATPS3m - Fitted - Thinning factor 100 10.9 dnantiles Method 1.2 • bulk Relative ESS 9.0 8.0 9.1 **→** tail Trace Plot 7.01 Race Plot 7.01 Race Plot Rank Plot ESS for 9.0 8.0 elative 0.2 10.6 500 1000 2000 2000 4000 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 10.9 dnantiles 1.0 Method 1.2 bulk Relative ESS 9.0 9.0 9.0 Plot for 0.2 10.6 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 Rank (all chains) Total number of draws

ATPS3m - ScaledConsensus - Thinning factor 1 dnantiles 10.2 Method 1.2 - bulk Relative ESS 9.0 6.1 9.0 6.1 tail O.01 Lace Plot 8.6 Rank Plot ම් 0.8 6.0 ESS 9.8 Relative I Relative I 0.2 9.6 0.0 2000 1000 4000 0.2 0.6 8.0 2000 4000 500 0 0.6 1.0 0 8.0 0.2 0.0 0.4 Quantile Rank (all chains) Quantile Total number of draws ATPS3m - ScaledConsensus - Thinning factor 10 dnantiles 10.2 Method 1.2 • bulk Relative ESS 9.0 6.1 9.0 6.1 🕕 tail O.01 Lace Plot 8.6 Rank Plot ව් 0.8 6.0 ESS 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 Quantile Rank (all chains) Quantile Total number of draws ATPS3m - ScaledConsensus - Thinning factor 100 dnantiles 1.0 10.2 Method 1.2 • bulk • tail Trace Plot 8.6 Rank Plot ESS for 9.0 8.0 9.8 elative 0.2 0.2 وارهاع هلزاز وفلزال وزاره فيضمه الرمار بمايية العفاري ليشار بالمطارات 500 2000 1000 4000 8.0 2000 4000 8.0 0.0 0.2 0.6 1.0 0 0.0 0.2 0.6 1.0 Quantile Quantile Rank (all chains) Total number of draws ATPS3m - ScaledConsensus - Thinning factor 1000 dnantiles 1.0 10.2 Method 1.2 bulk Relative ESS 9.0 9.0 9.1 O.01 Lace Plot 8.6 Rank Plot ESS for 0.6 9.8 Relative 0.2 0.2 9.6 0.0 + 0.0 0.0 500 1000 2000 4000 0.4 0.6 Quantile 2000 0.2 8.0 1.0 0.2 8.0 1.0 4000 0.4 0.6 0 0.0 Rank (all chains) Quantile Total number of draws