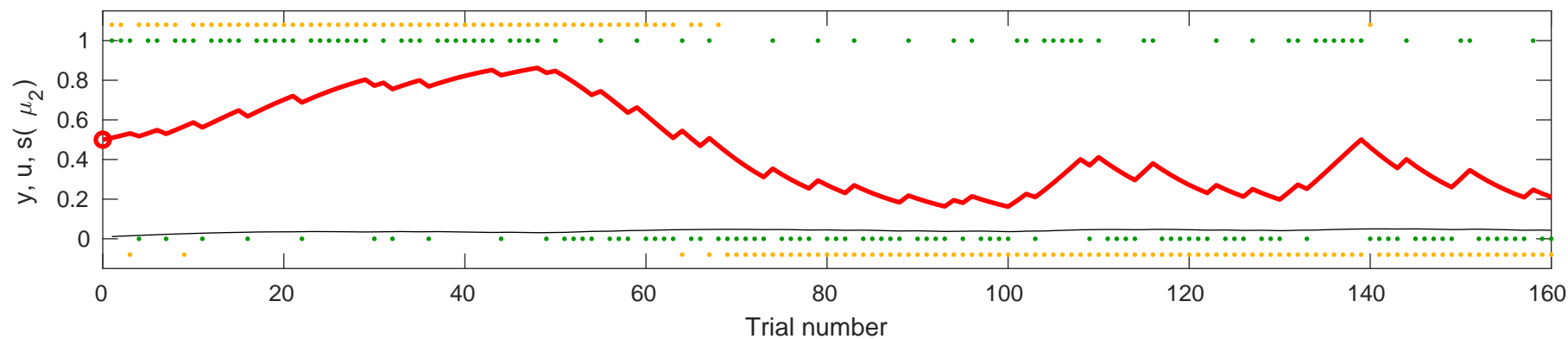
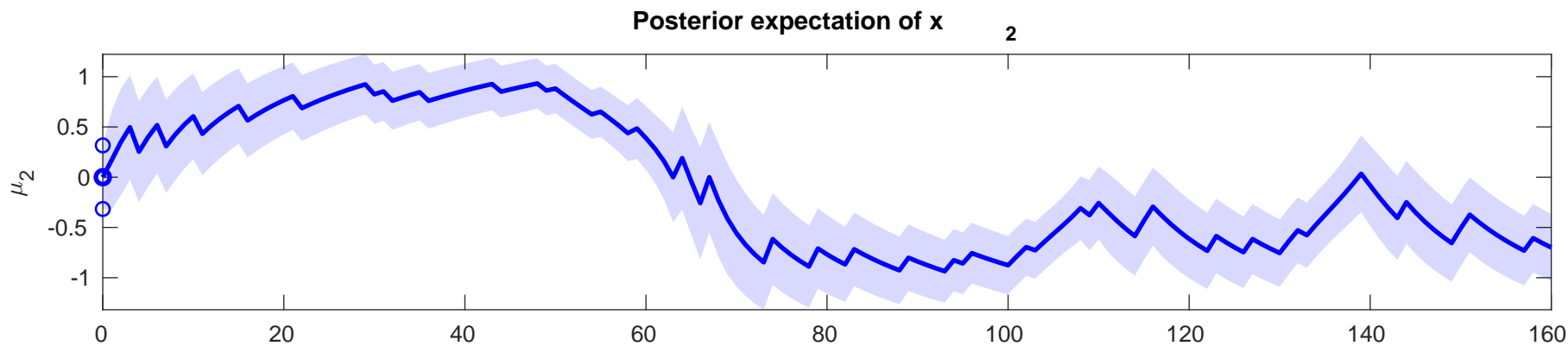
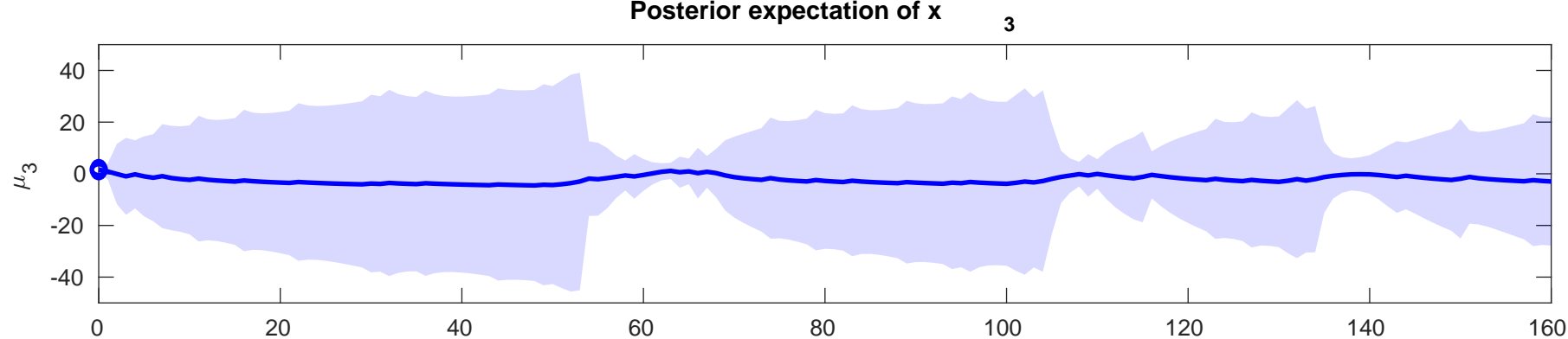
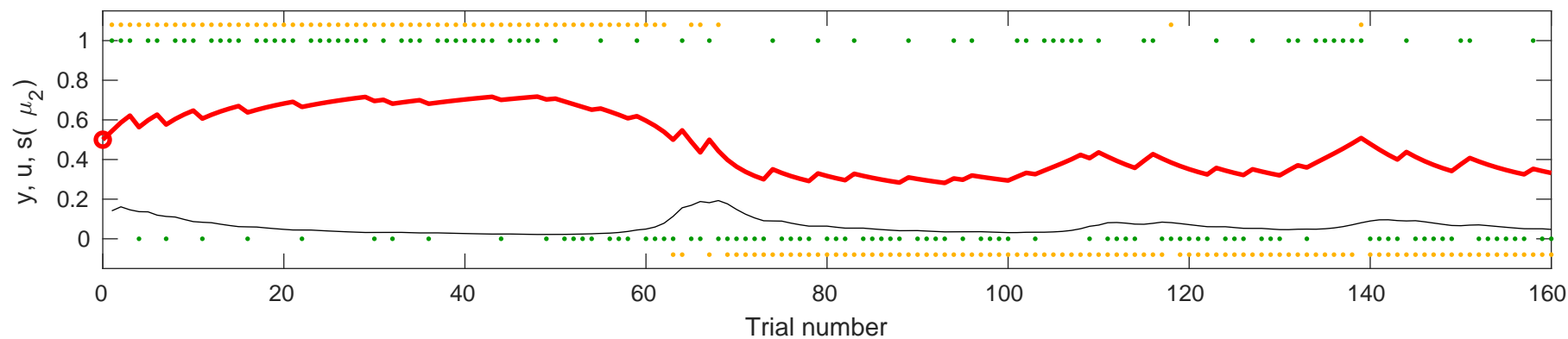


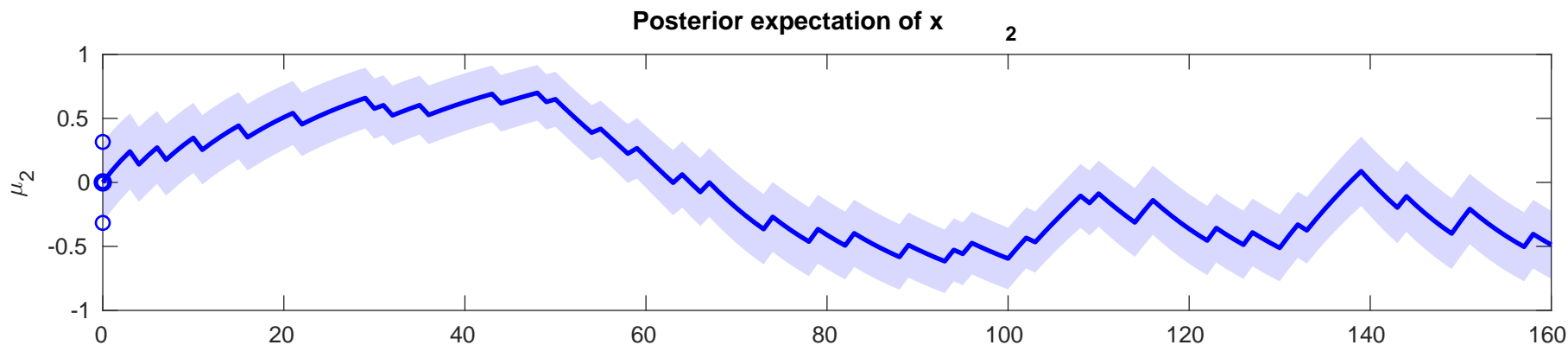
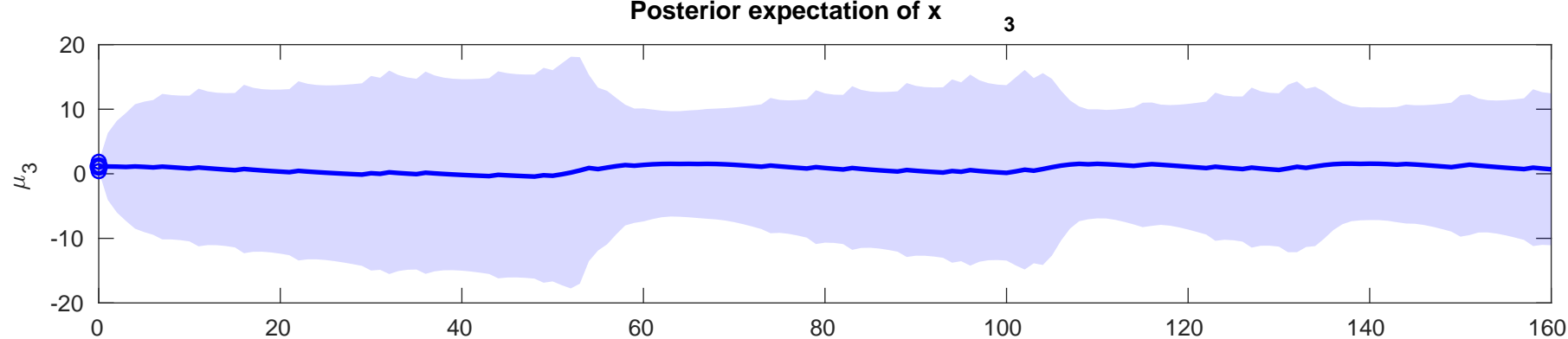
se y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0$, $\kappa=1$, $\omega=-2.7456$



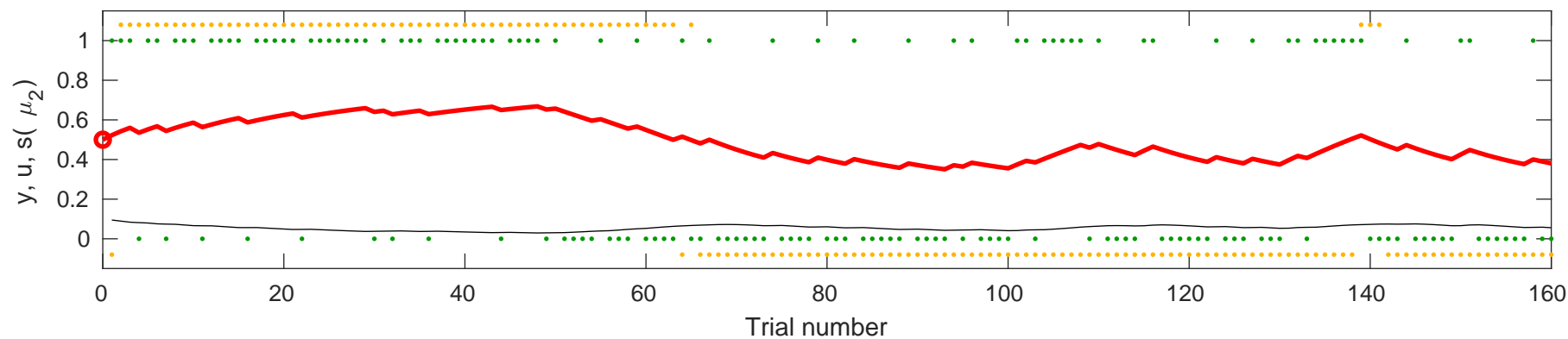


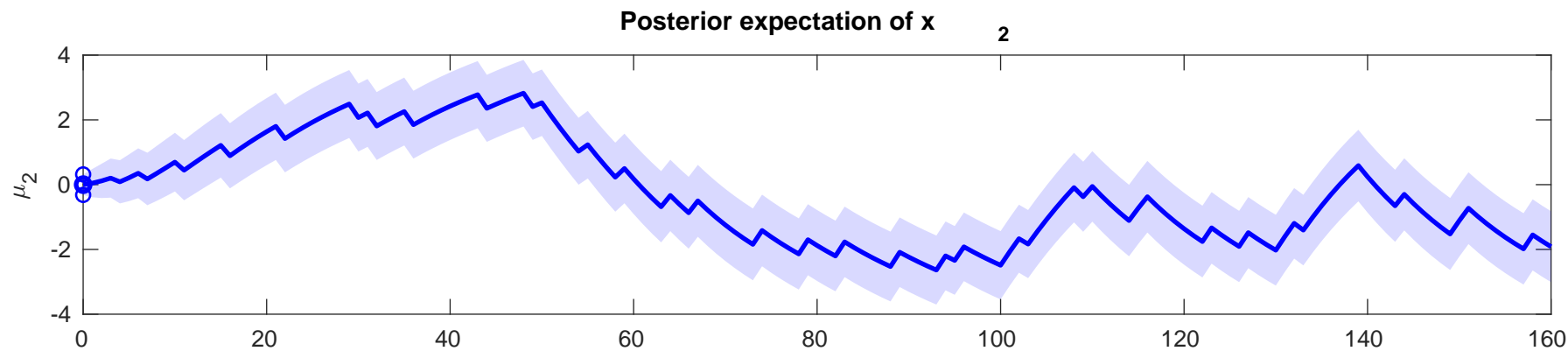
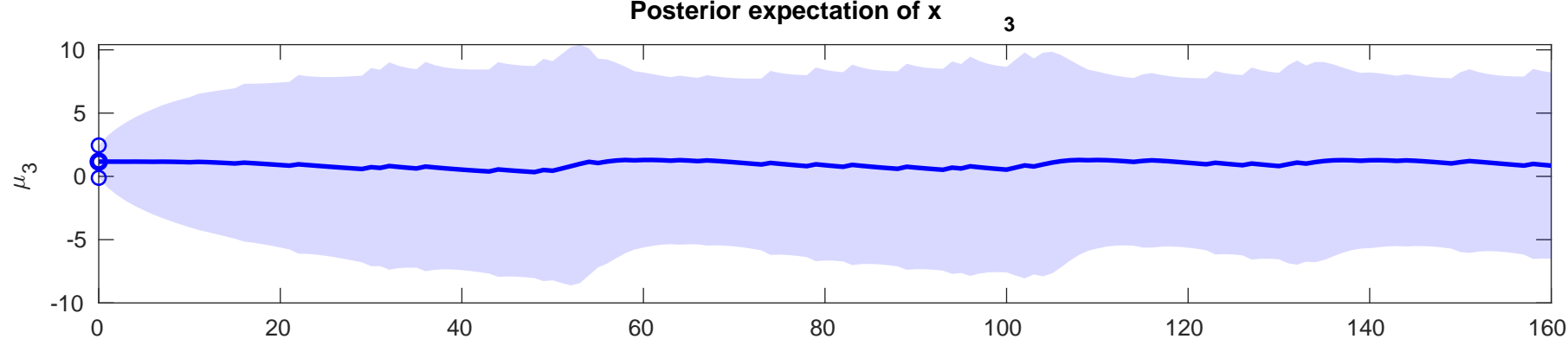
se y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0$, $\kappa=1$, $\omega=-3.3479$



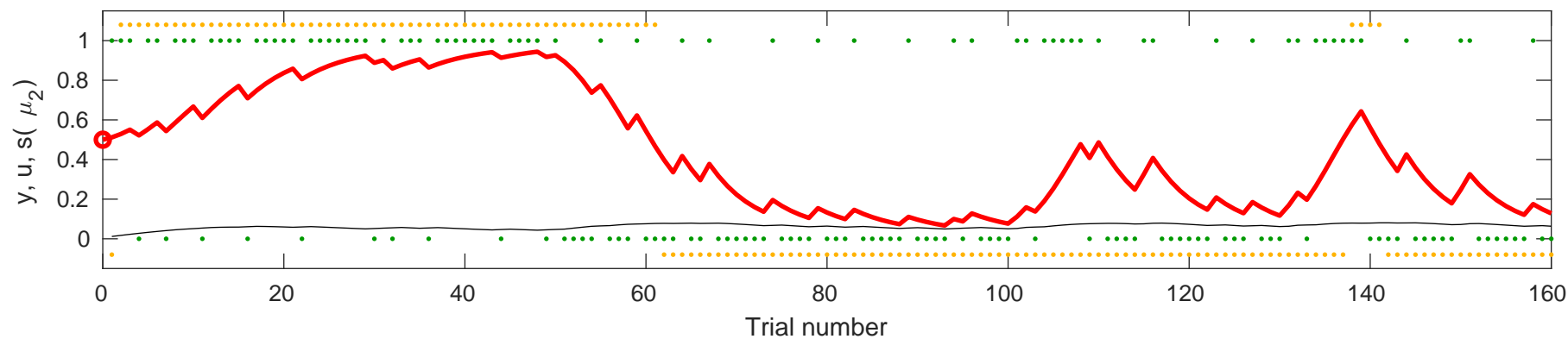


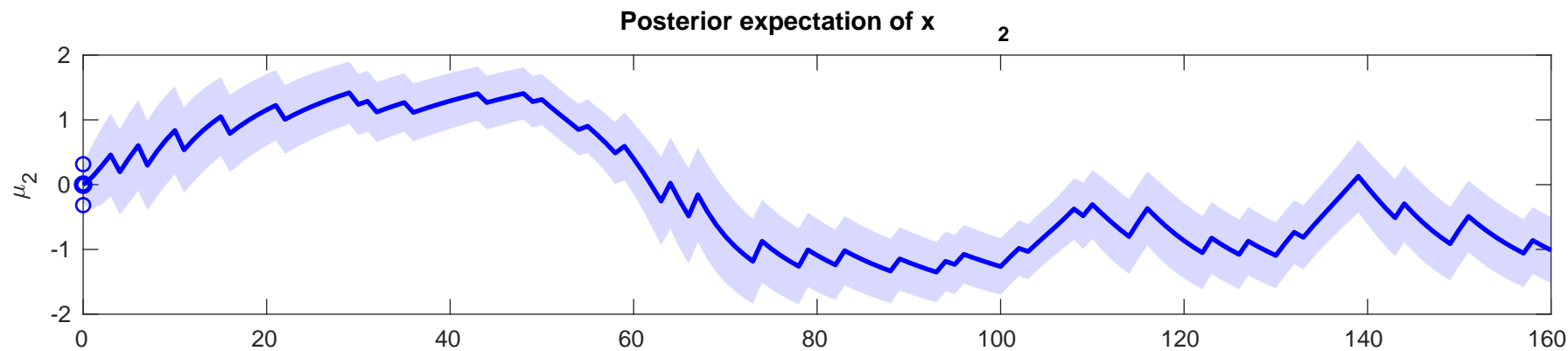
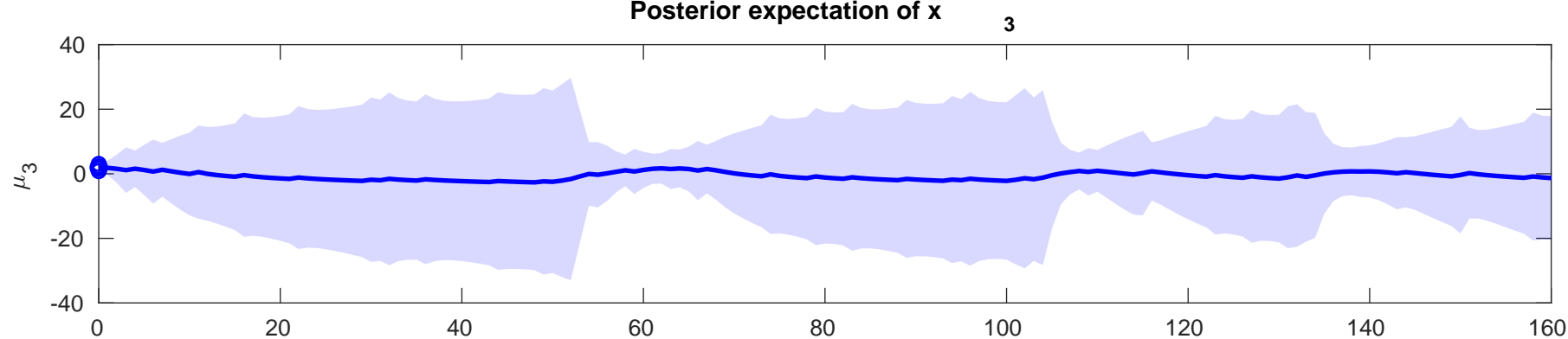
se y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0$, $\kappa=1$, $\omega=-6.5508$



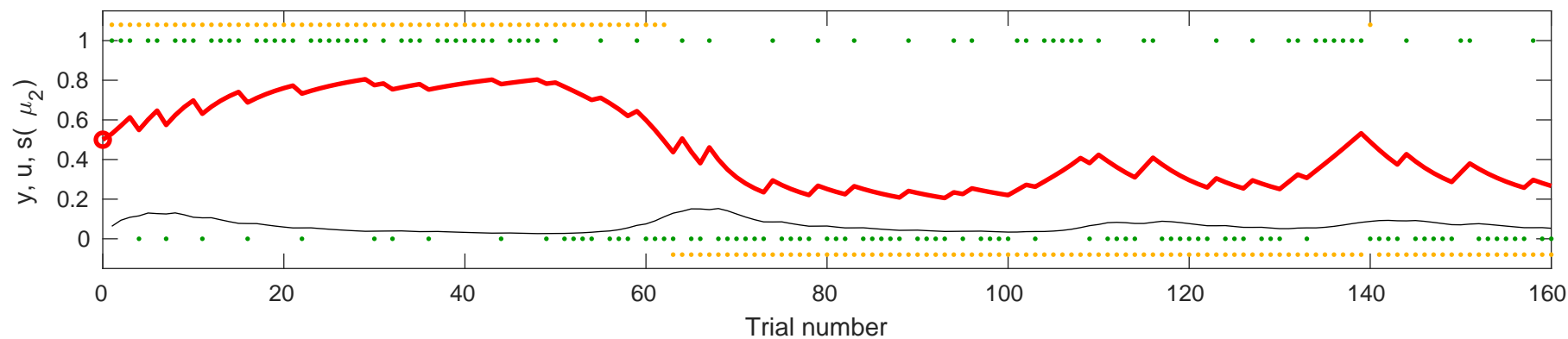


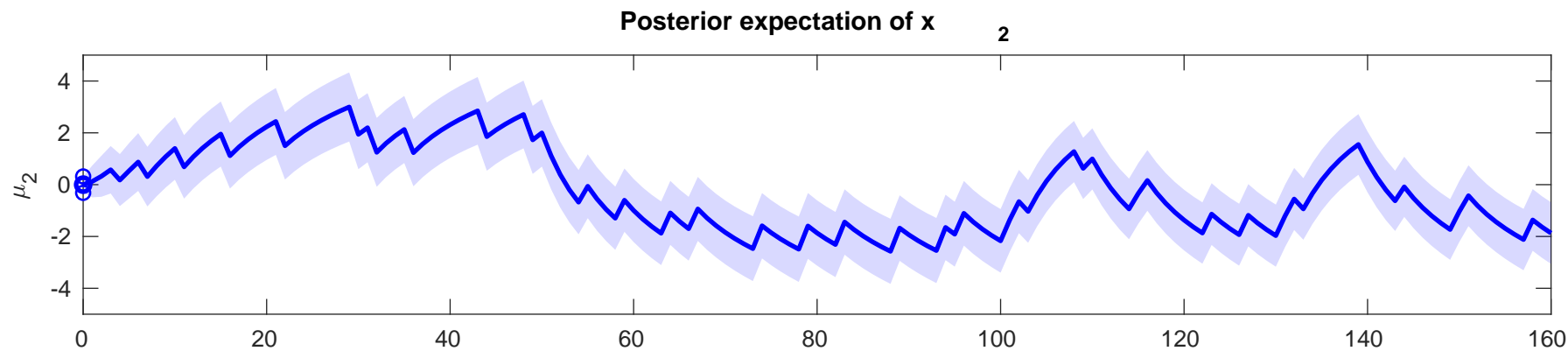
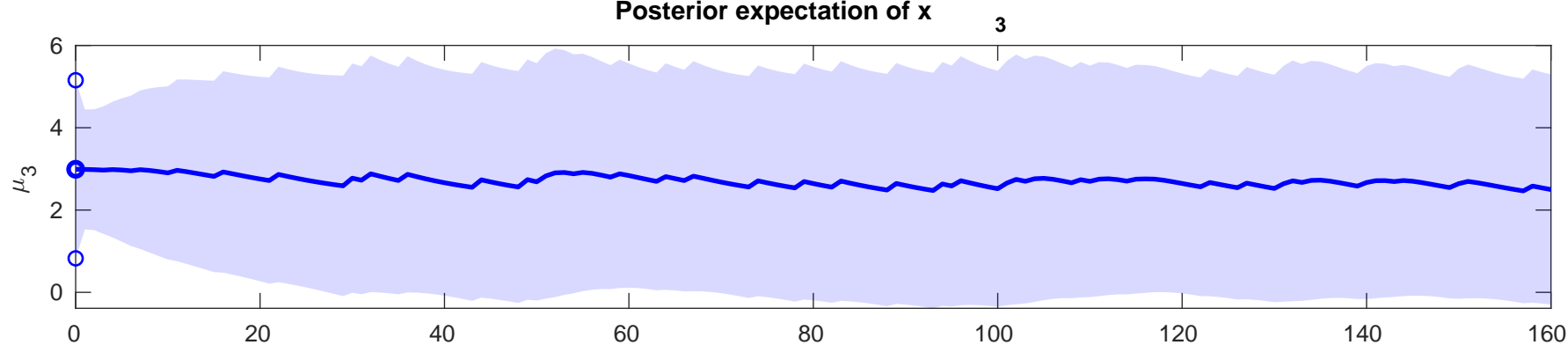
se y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0$, $\kappa=1$, $\omega=-3.5361$



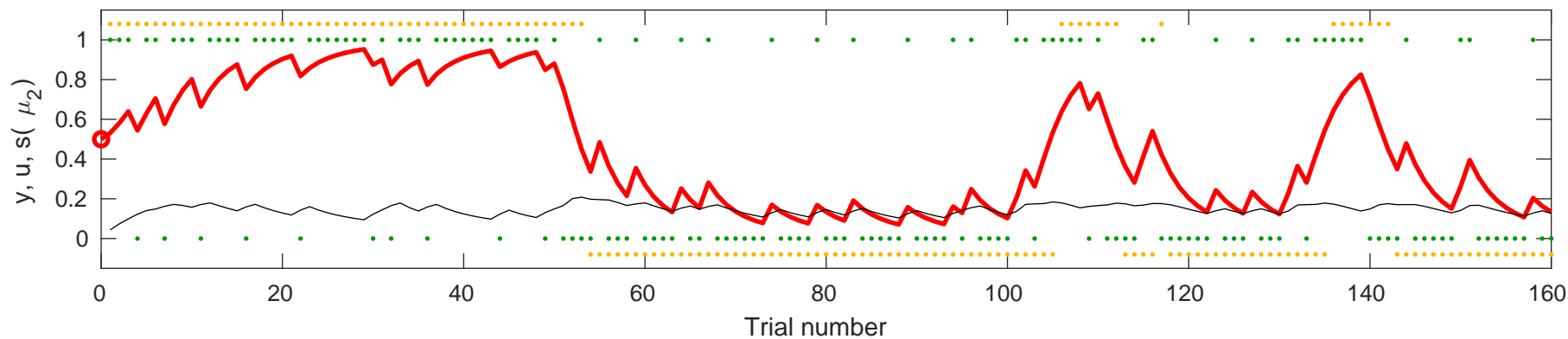


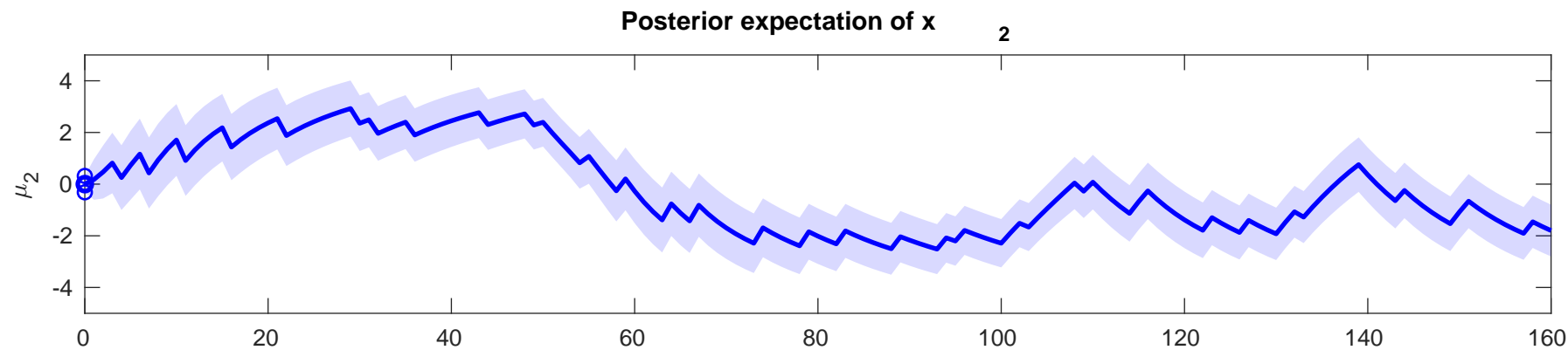
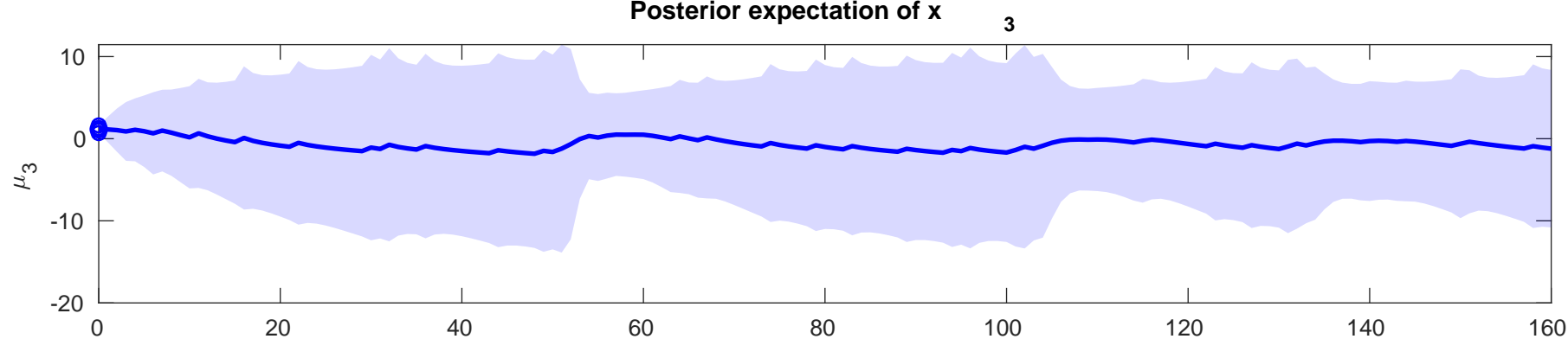
se y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0$, $\kappa=1$, $\omega=-3.7895$



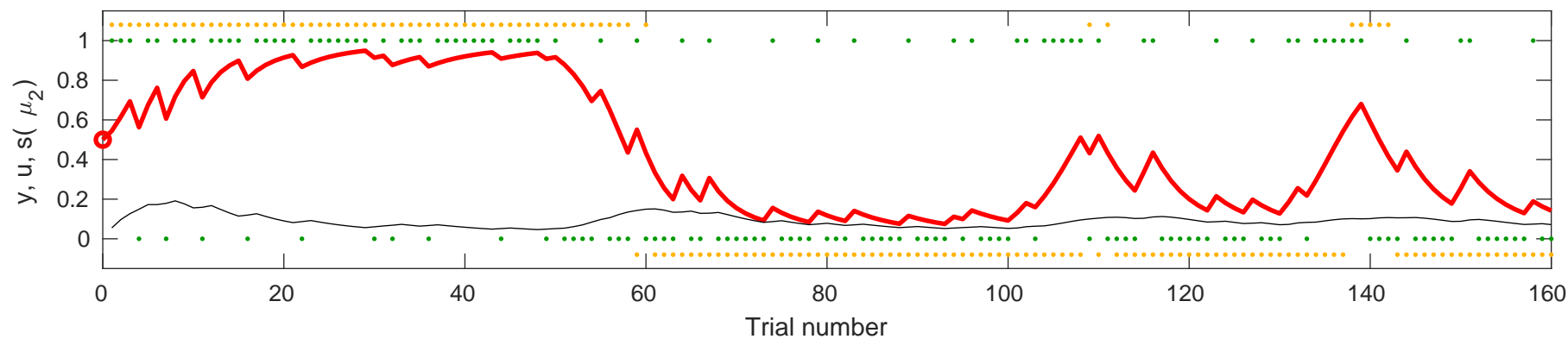


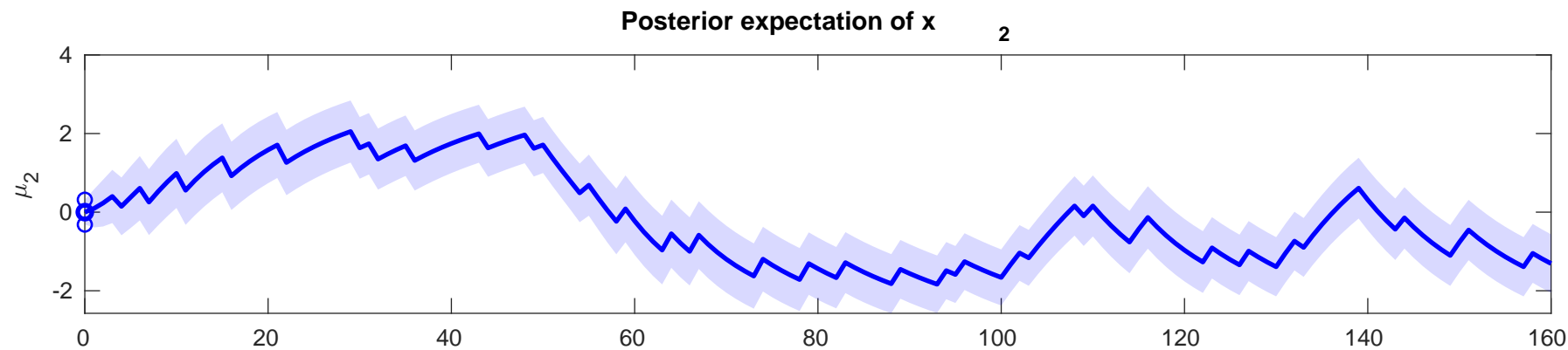
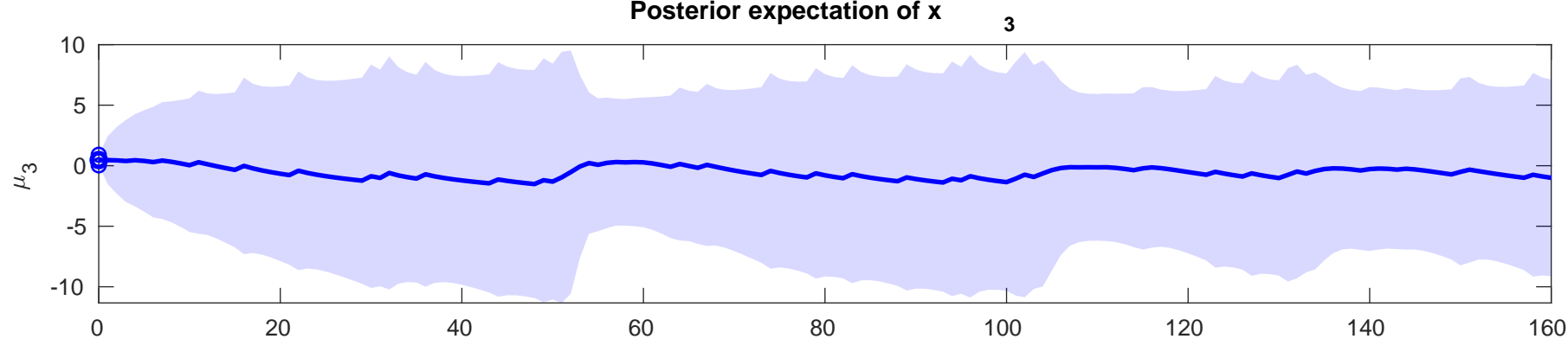
se y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0$, $\kappa=1$, $\omega=-4.2036$



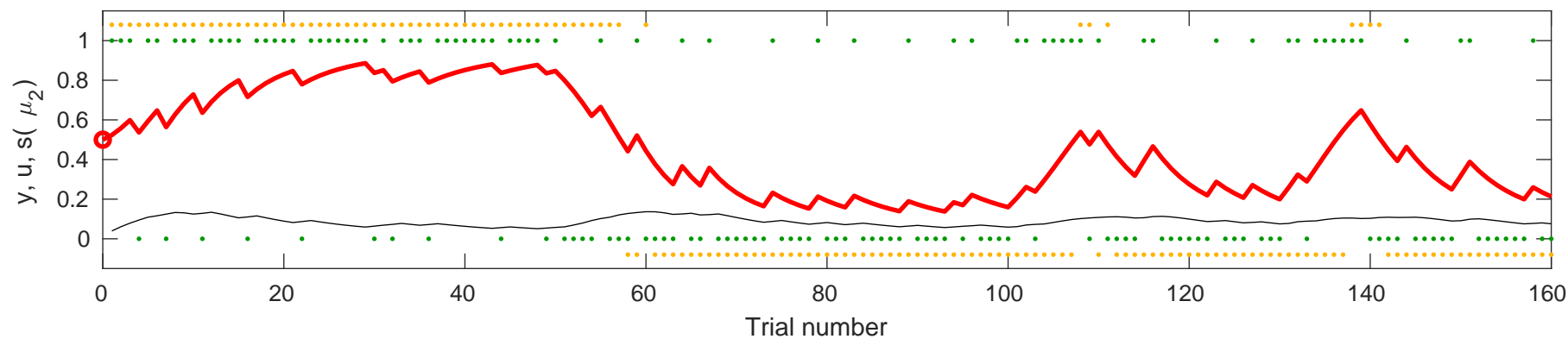


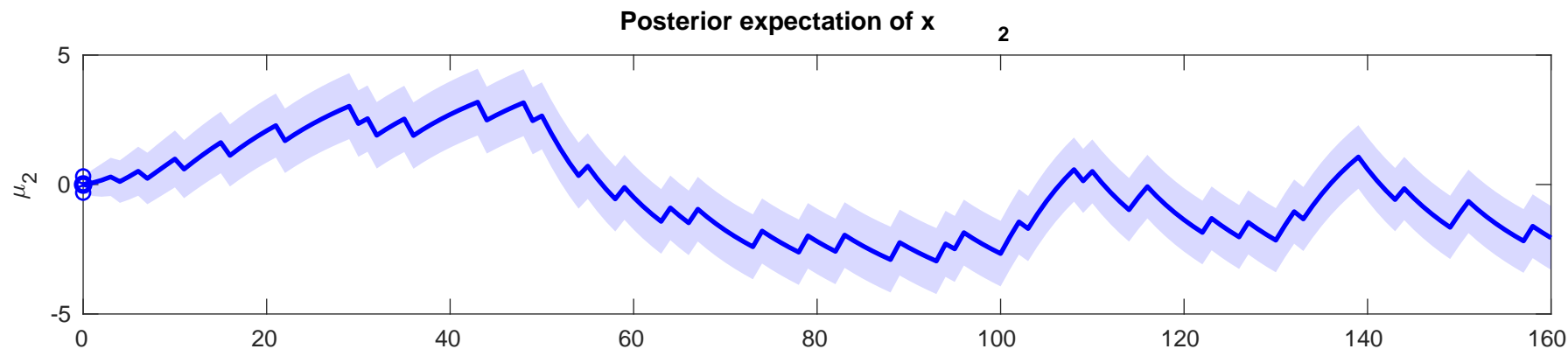
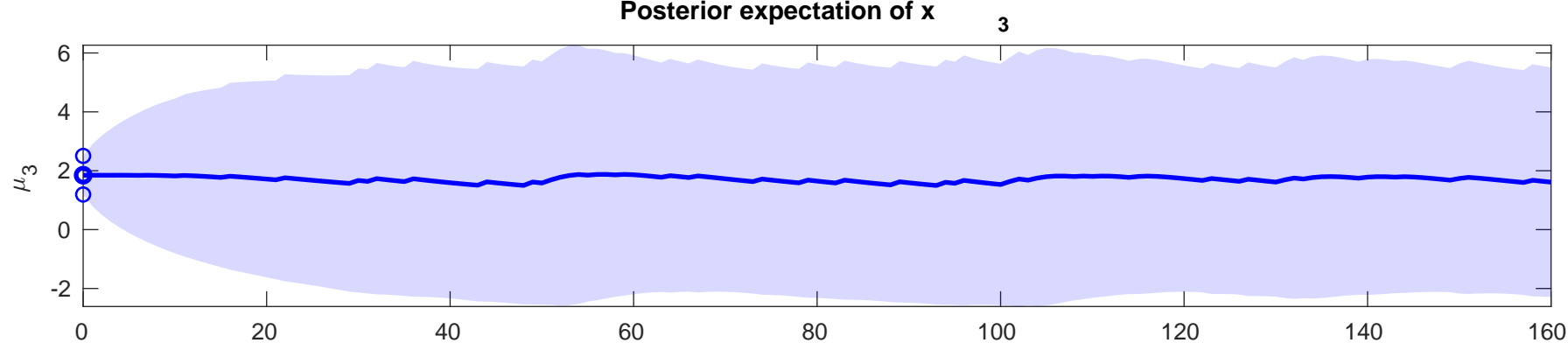
se y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0$, $\kappa=1$, $\omega=-1.7411$



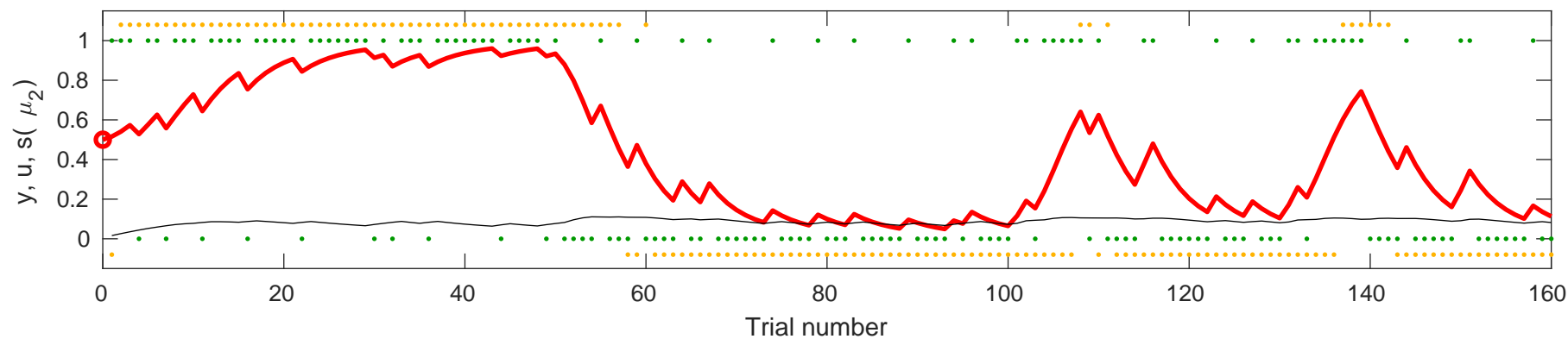


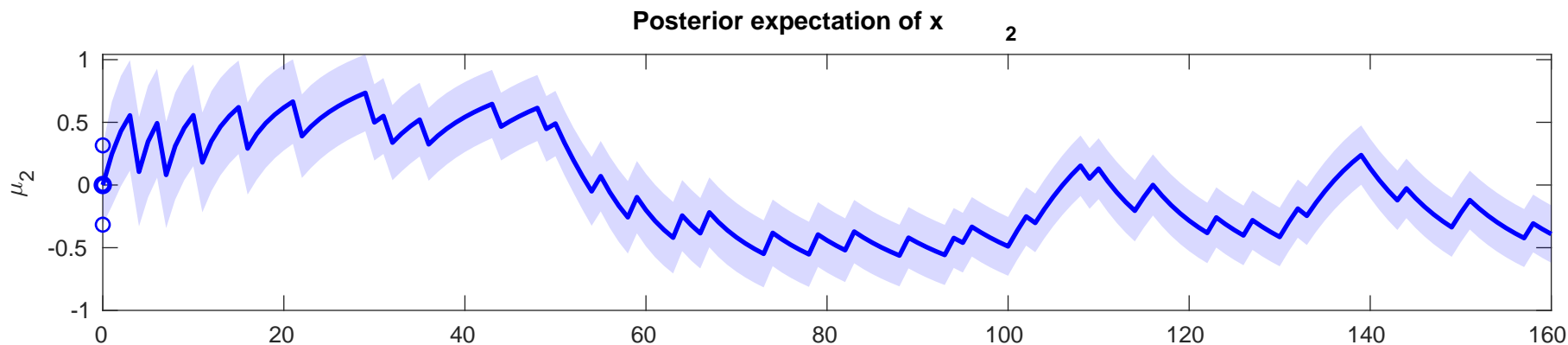
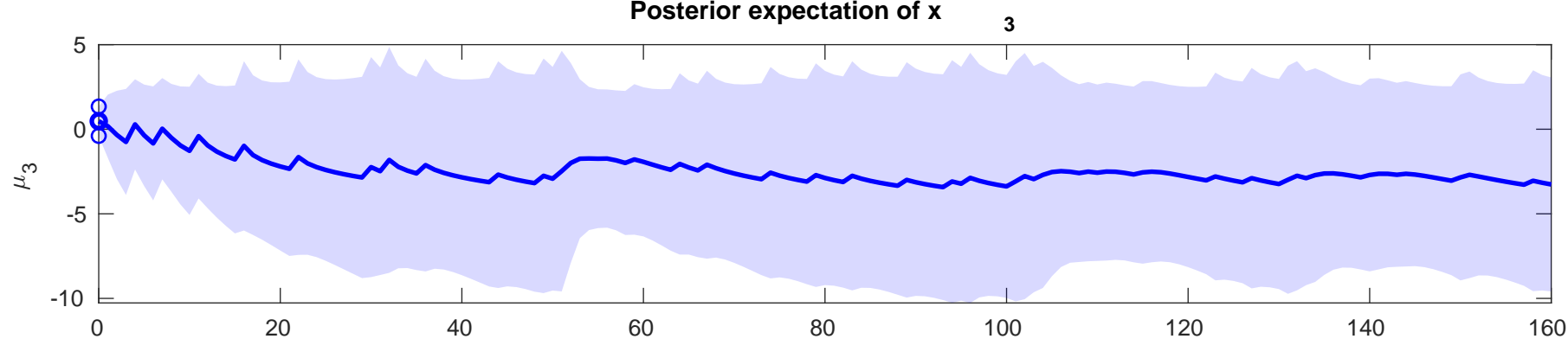
se y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0$, $\kappa=1$, $\omega=-2.4068$



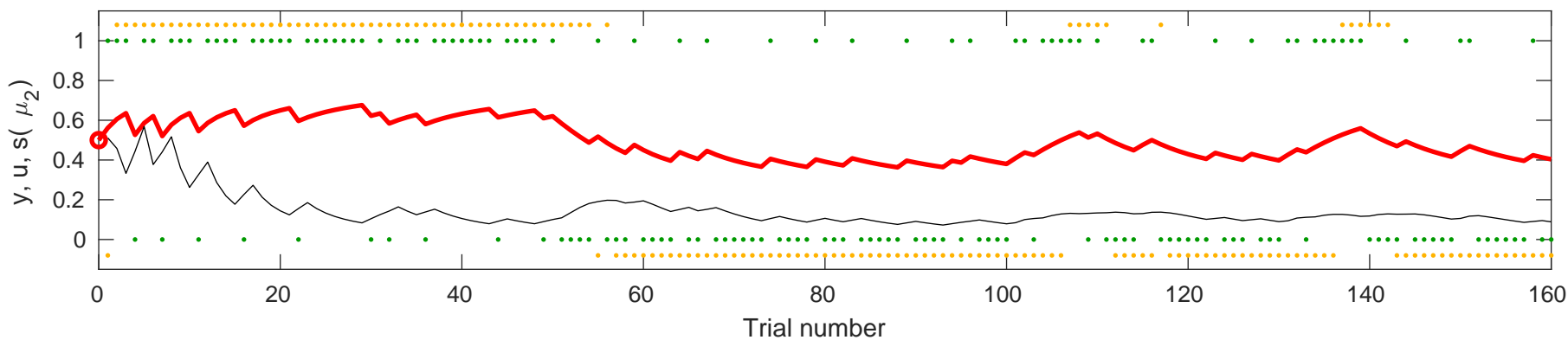


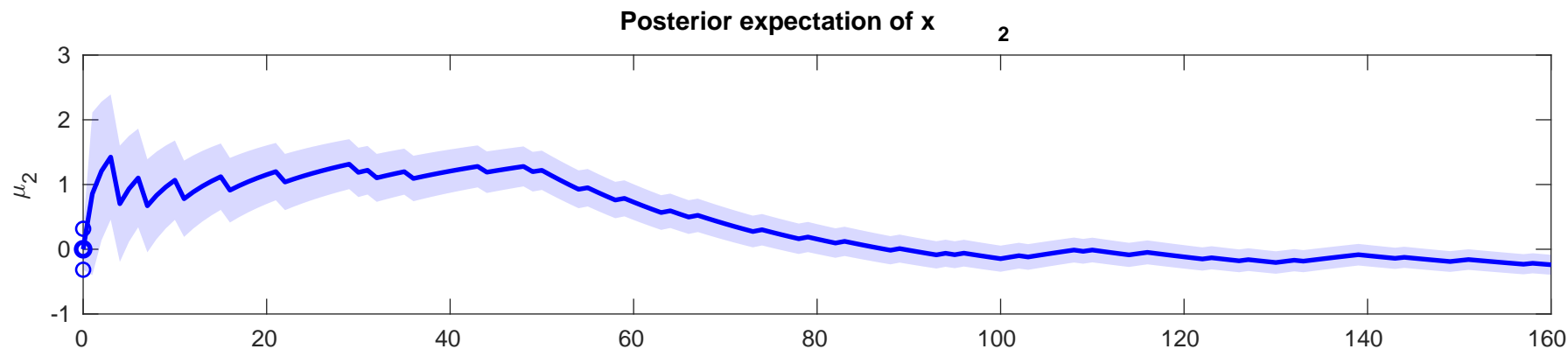
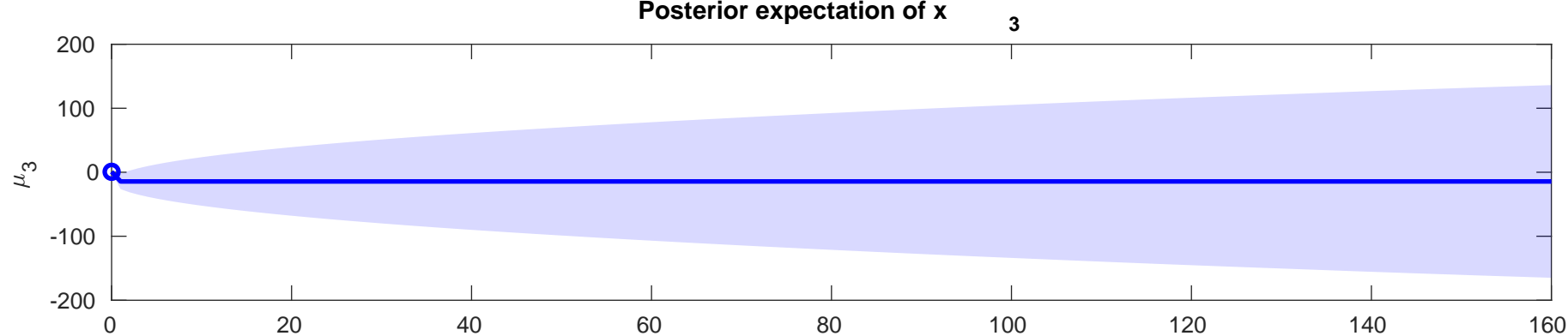
output y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0$, $\kappa=1$, $\omega=-3.6818$



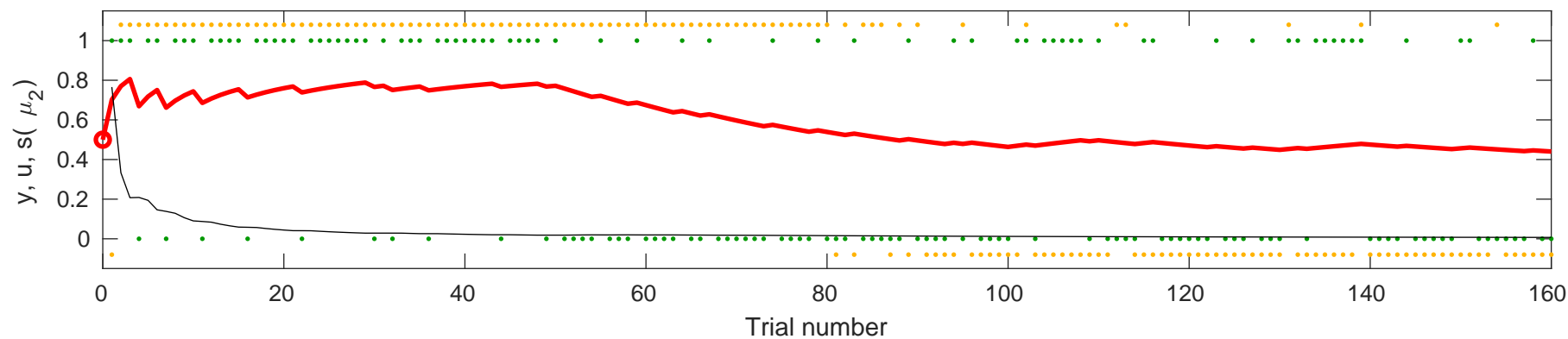


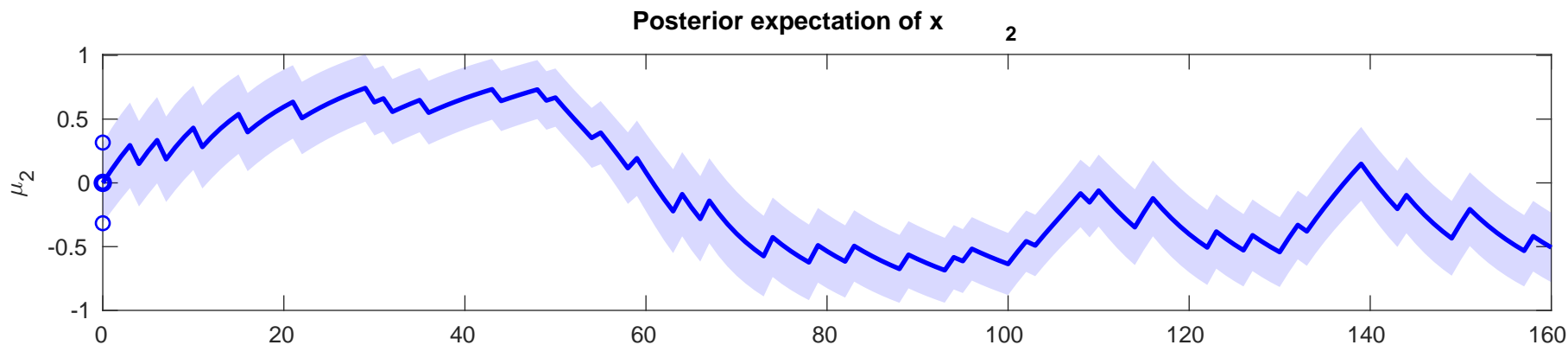
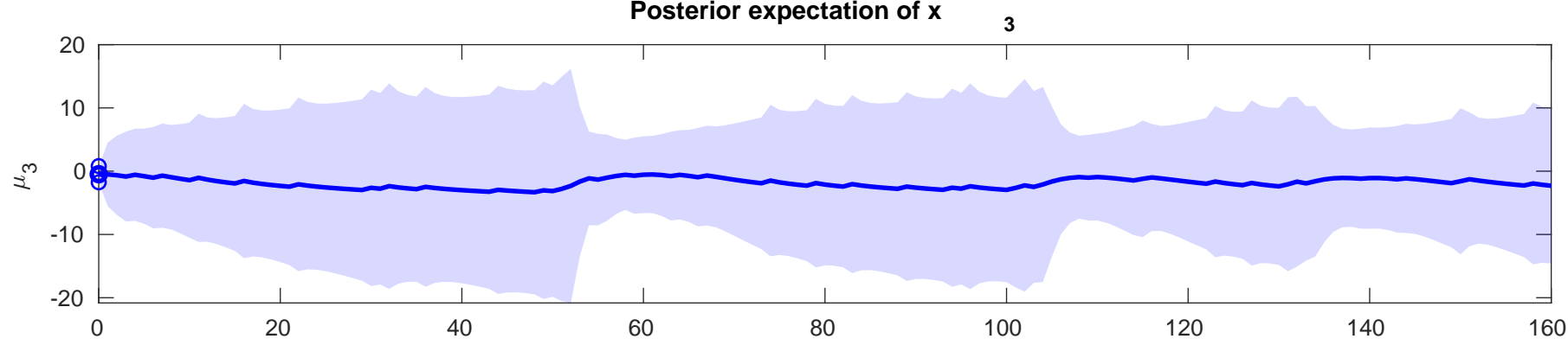
se y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0$, $\kappa=1$, $\omega=-2.2609$



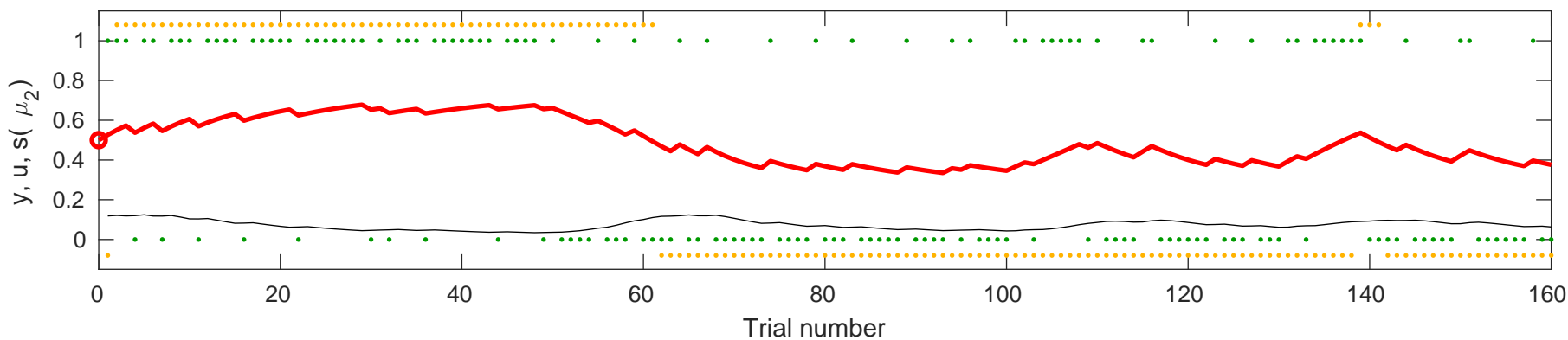


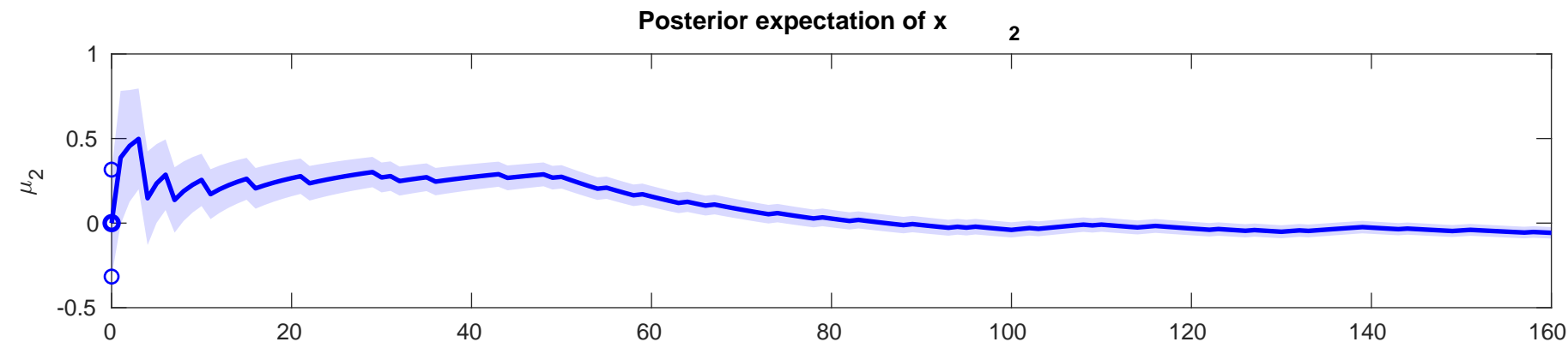
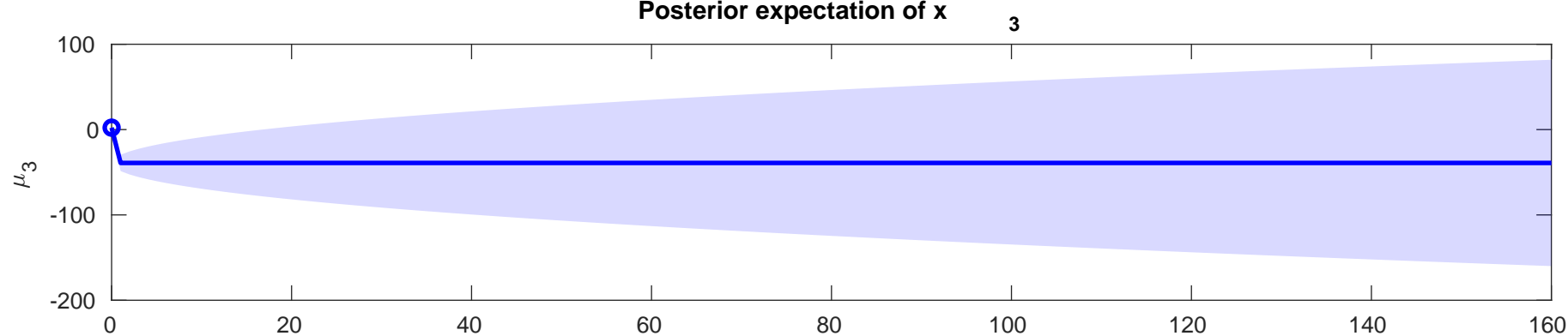
Plot showing the posterior expectation of x_2 (Y-axis, μ_2) versus Trial number (X-axis, 0 to 160). The expectation starts at 0, peaks around trial 5, and then gradually decreases towards 0. The uncertainty (shaded region) is highest initially and decreases over time.



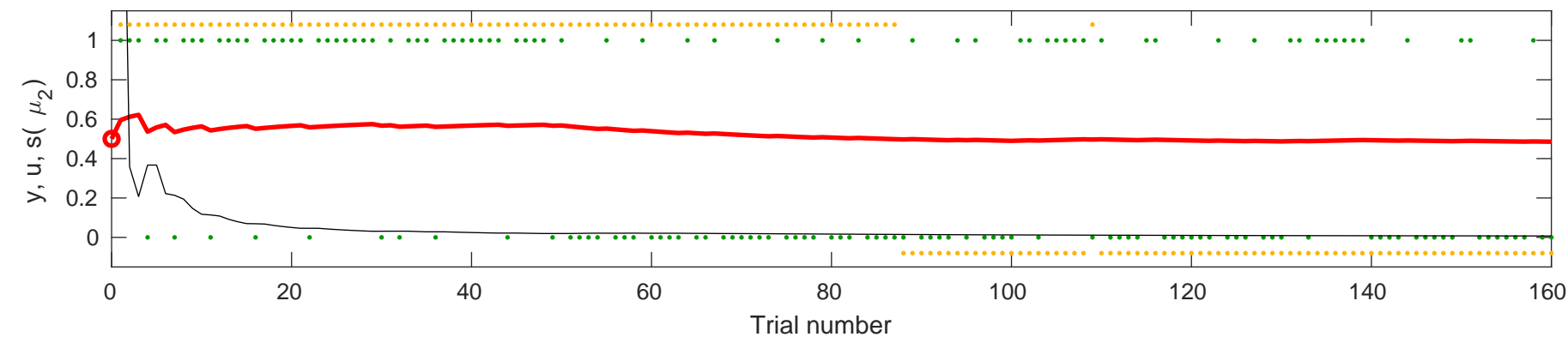


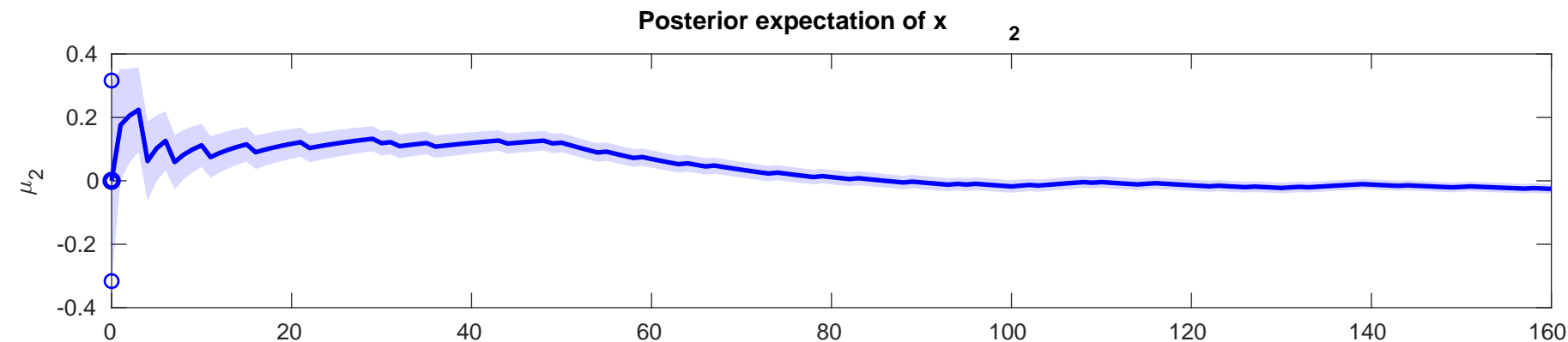
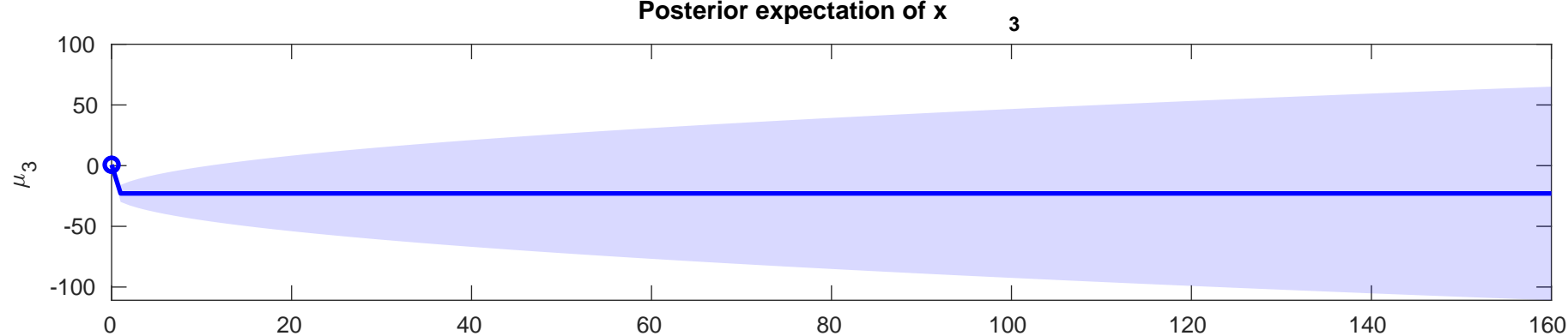
use y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0$, $\kappa=1$, $\omega=-3.5086$



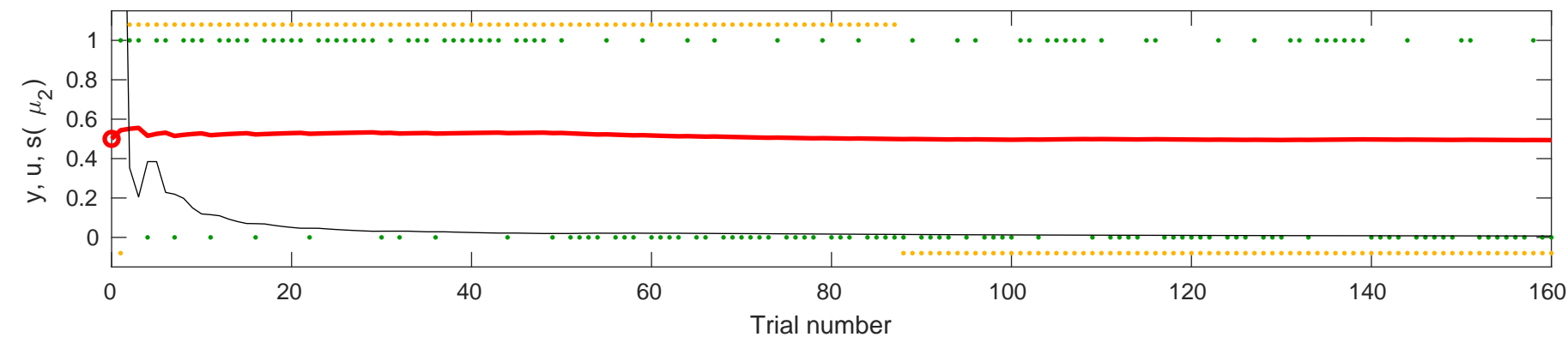


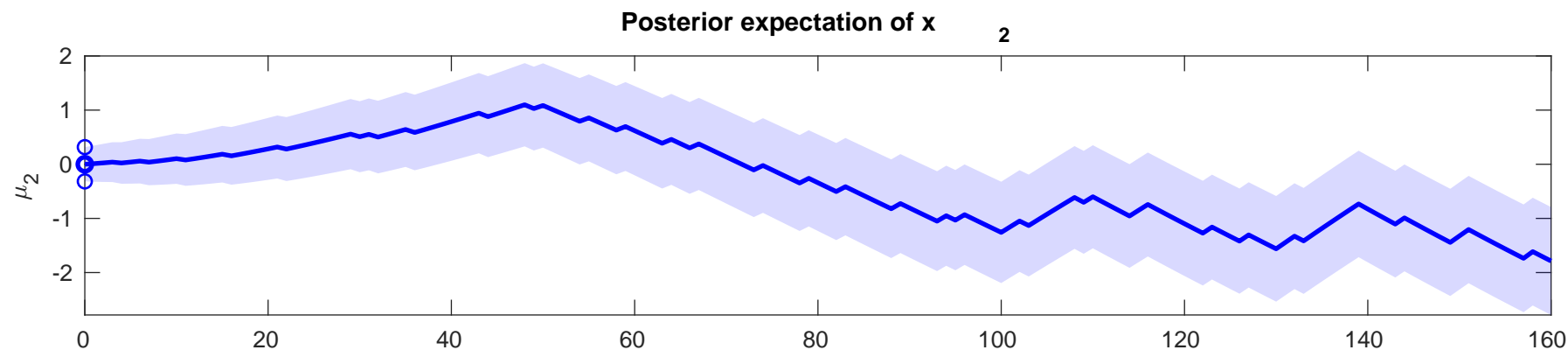
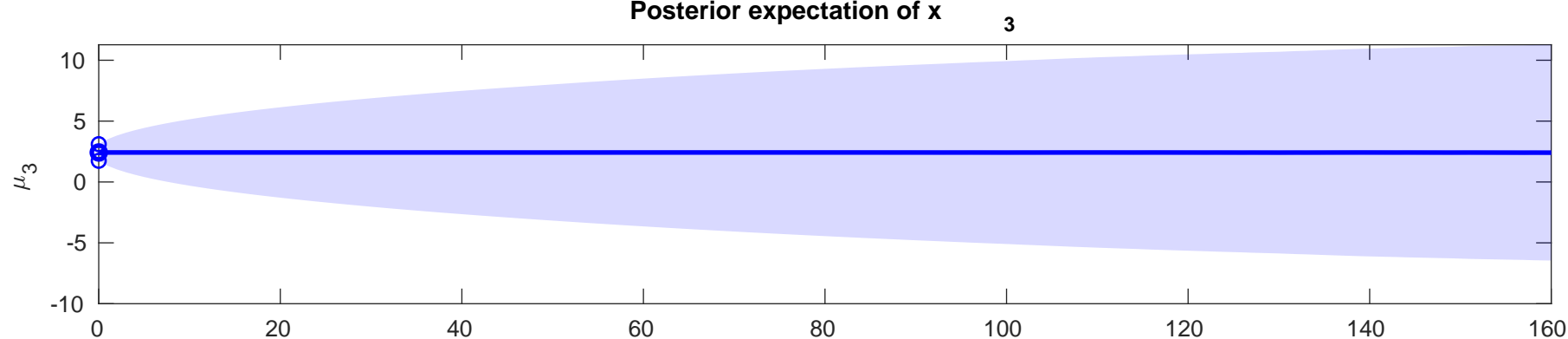
Plot showing the output y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0.0$, $\kappa=1$, $\omega=-0.91034$.



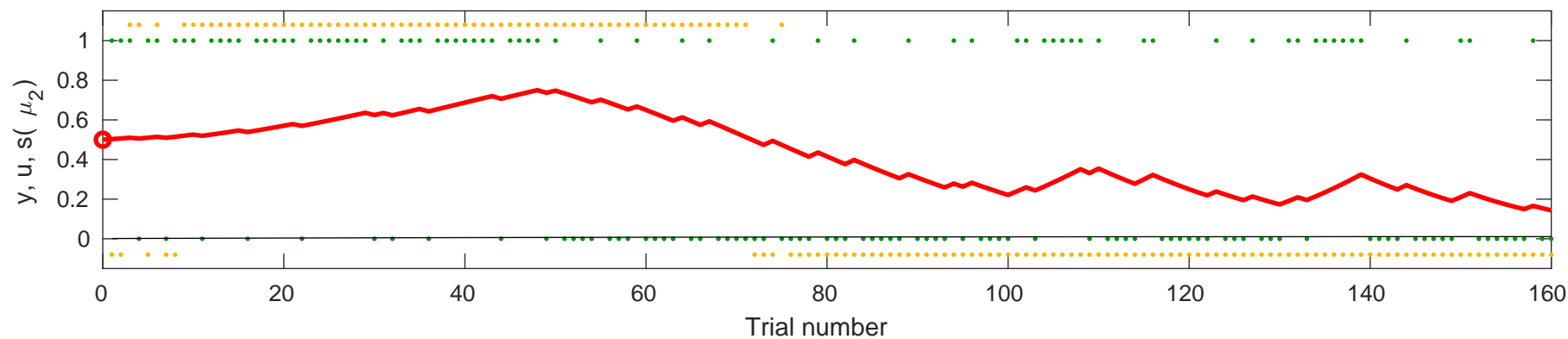


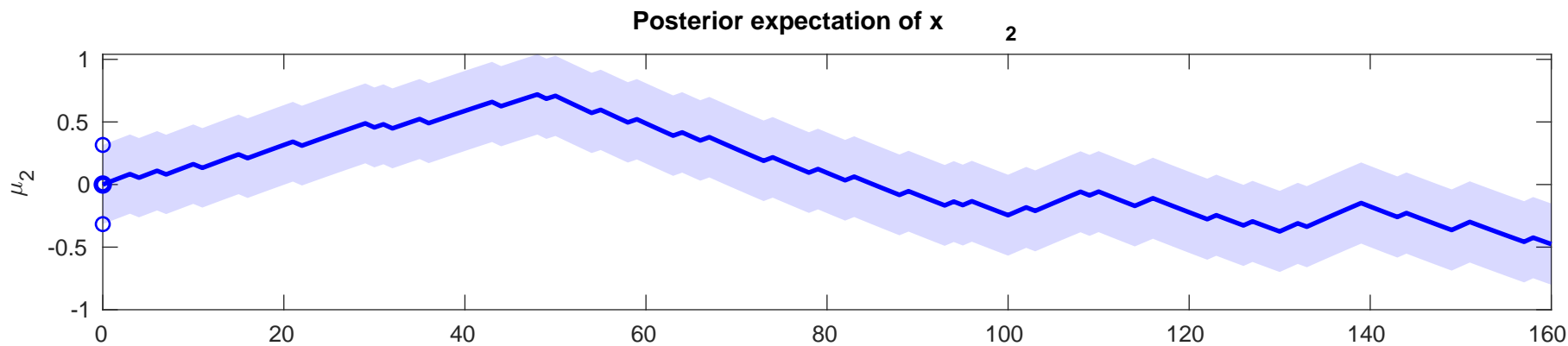
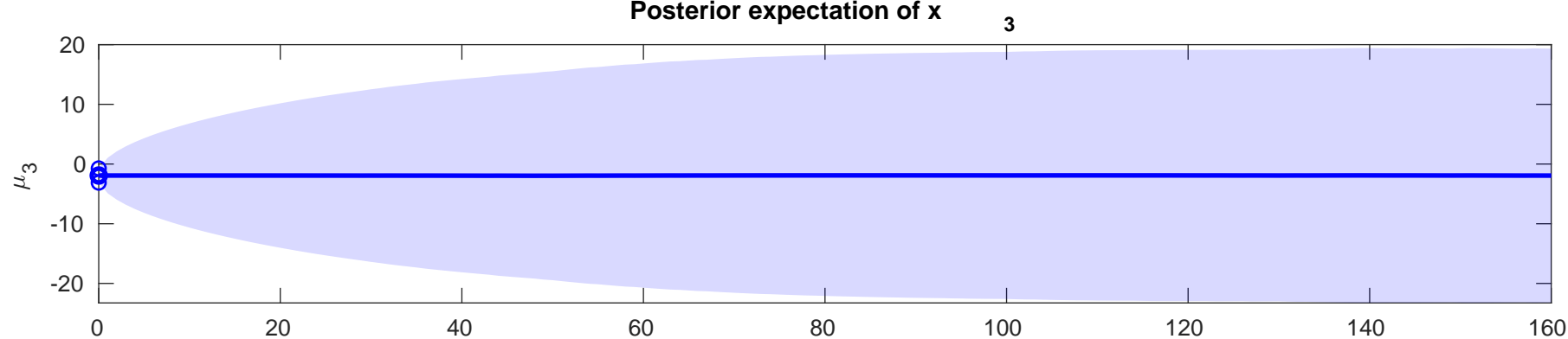
se y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0.0$, $\kappa=1$, $\omega=0.71643$



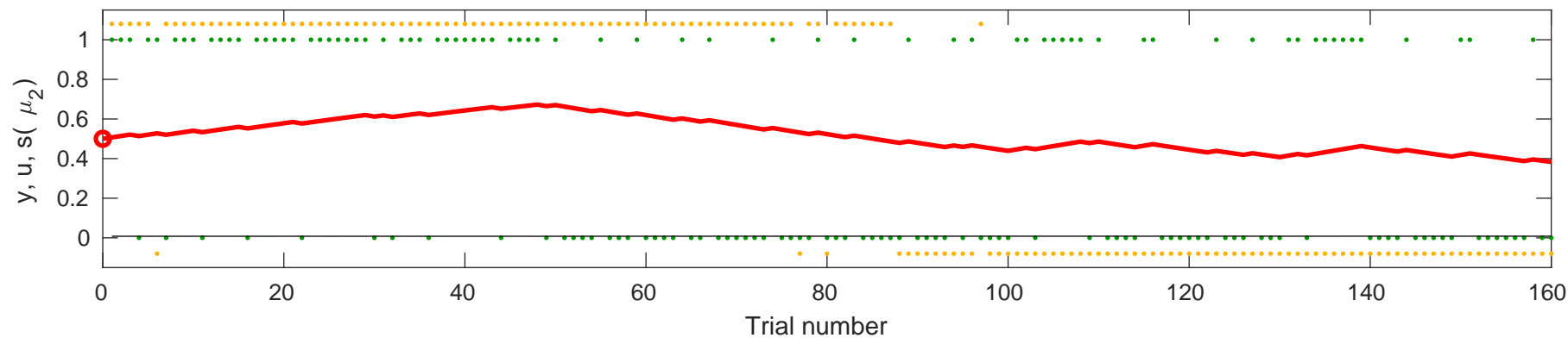


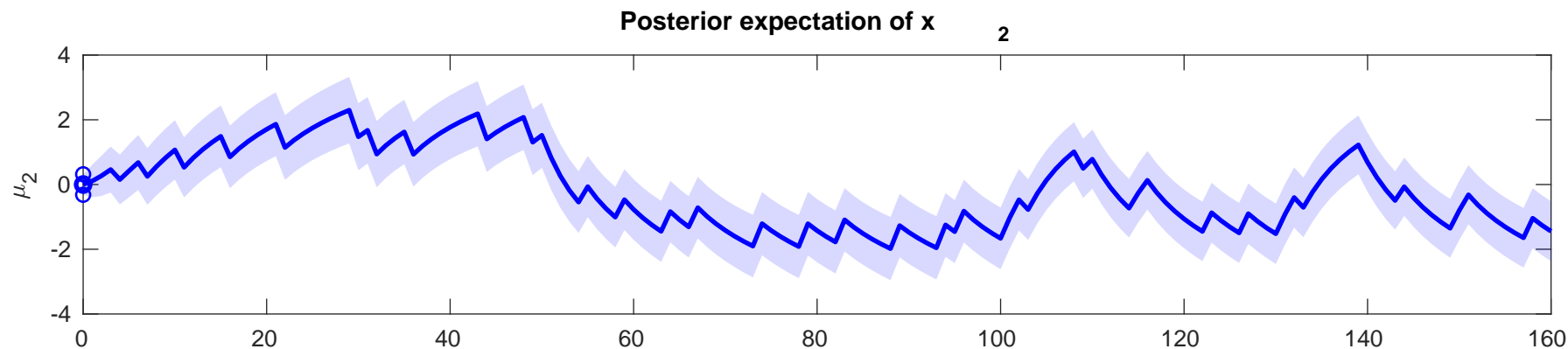
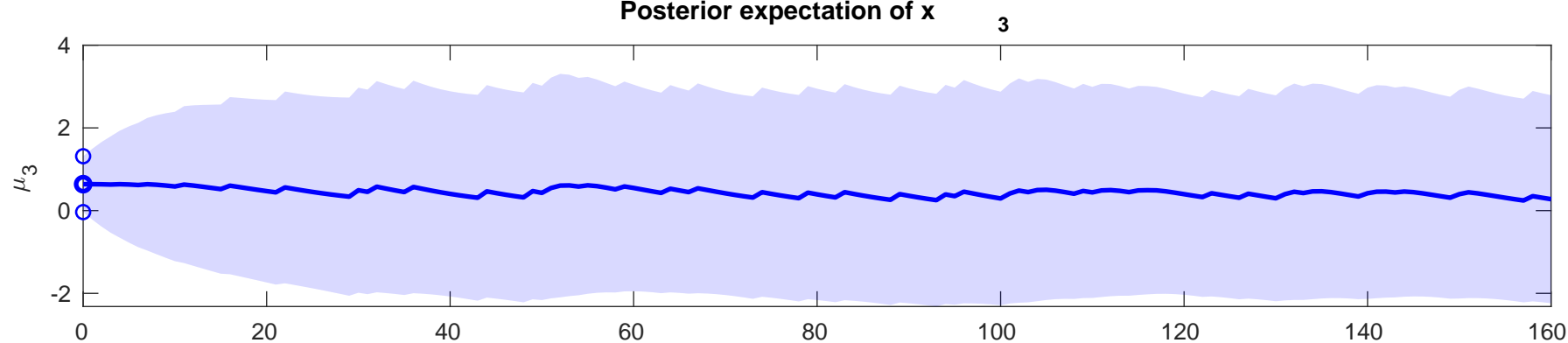
se y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0$, $\kappa=1$, $\omega=-6.8484$



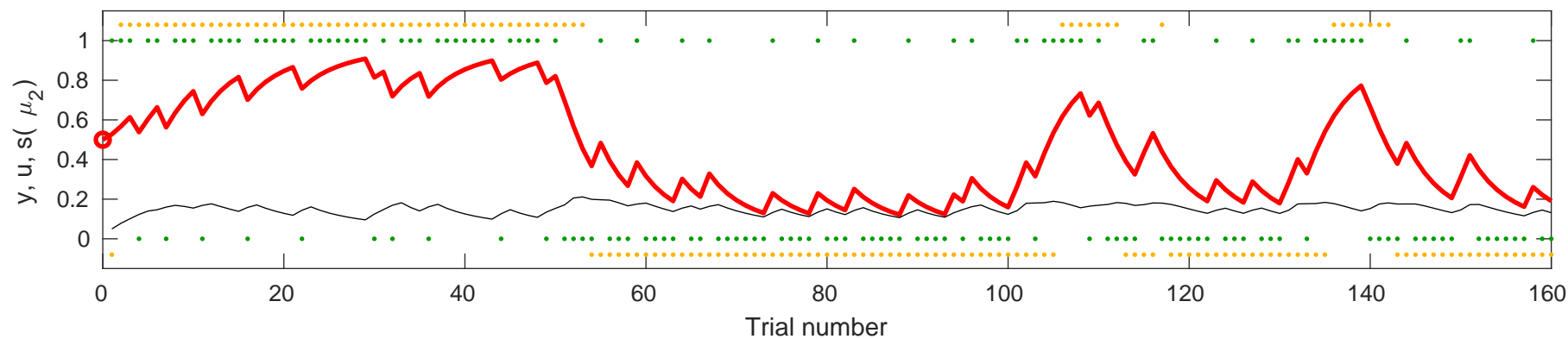


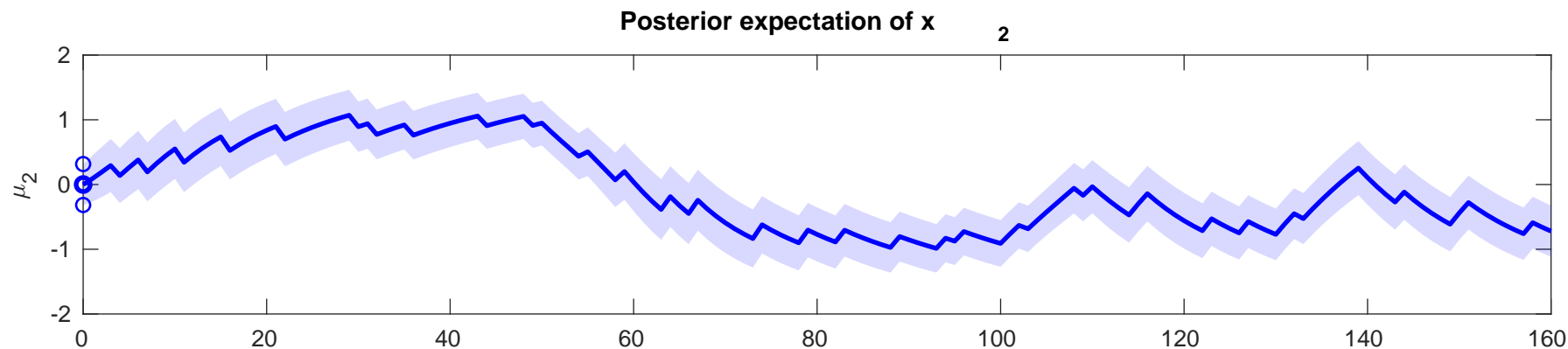
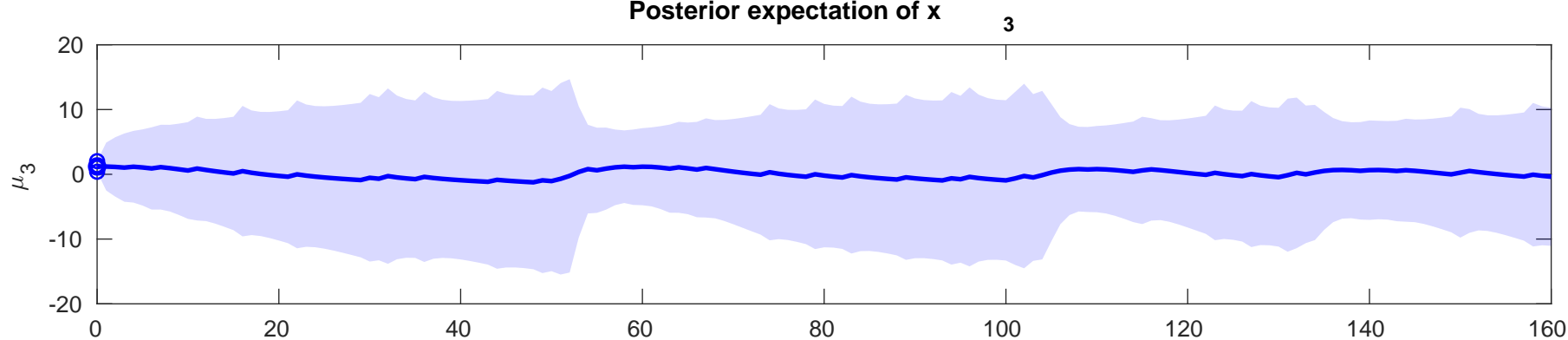
use y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0$, $\kappa=1$, $\omega=-5.123$



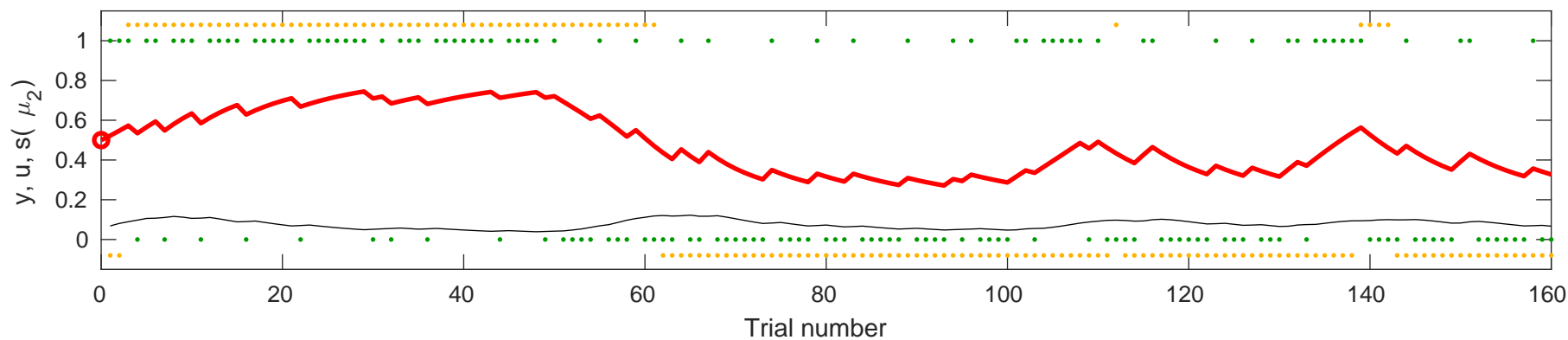


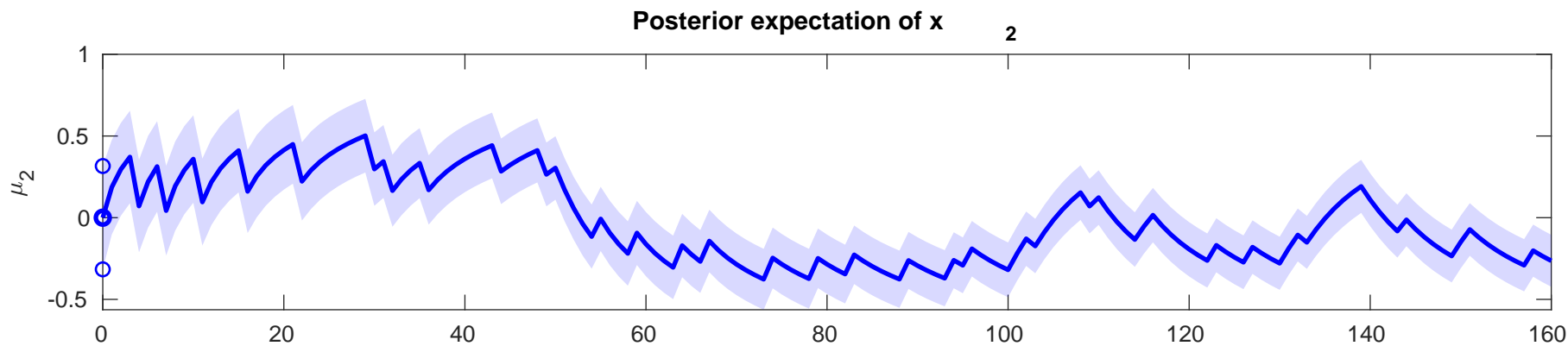
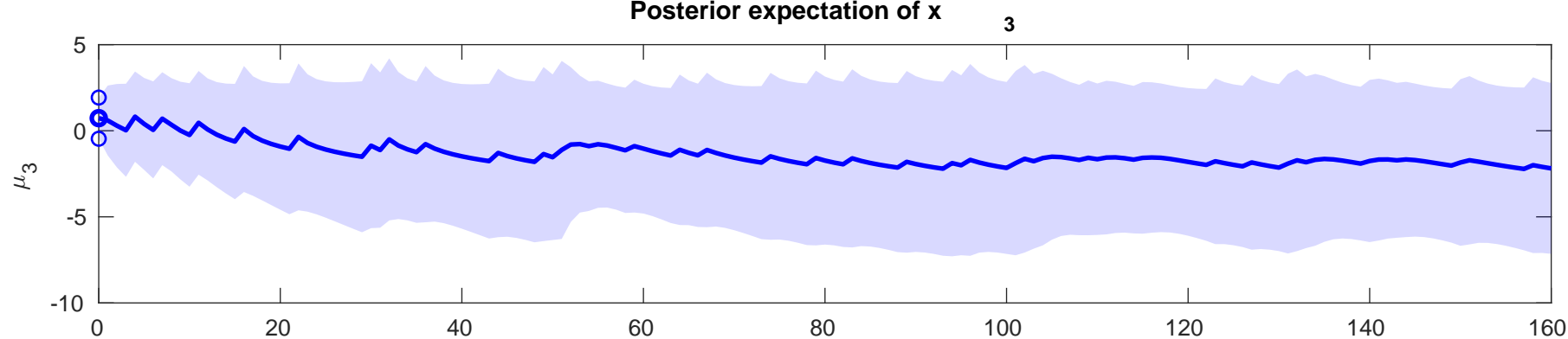
se y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0$, $\kappa=1$, $\omega=-2.435$.



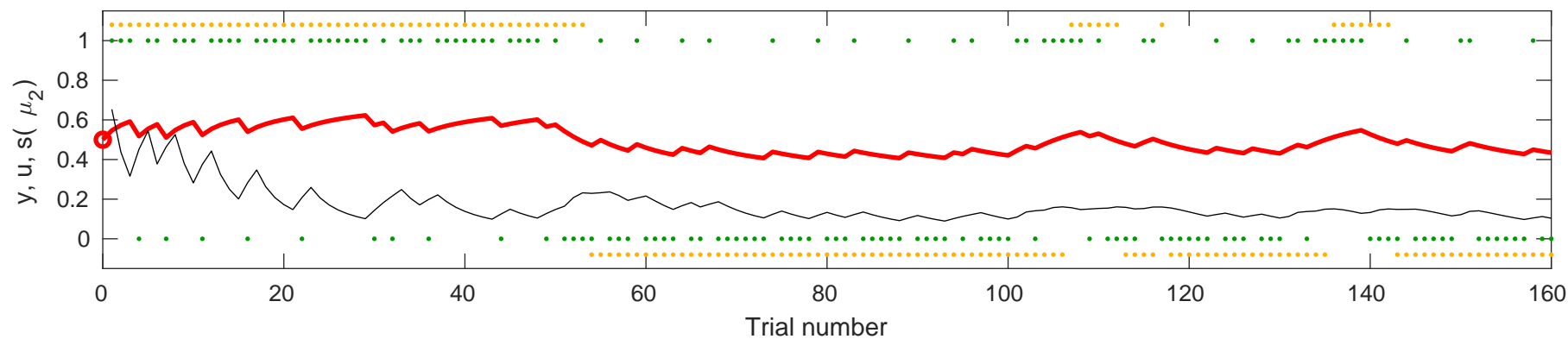


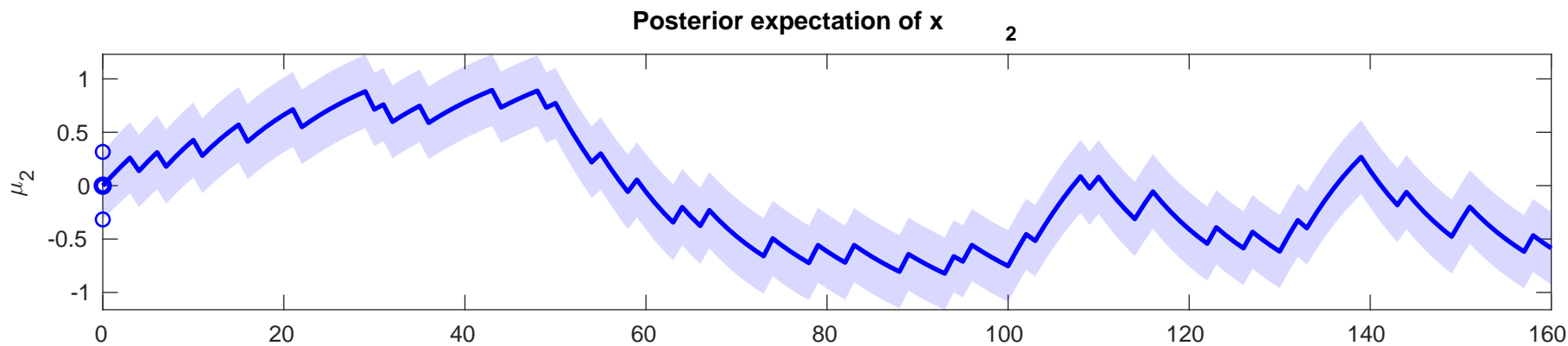
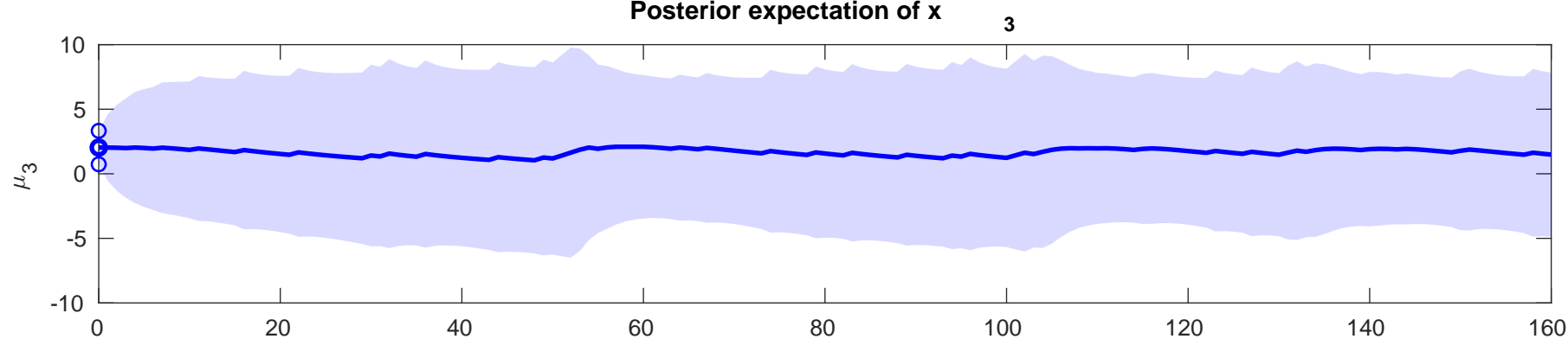
se y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0$, $\kappa=1$, $\omega=-4.5435$



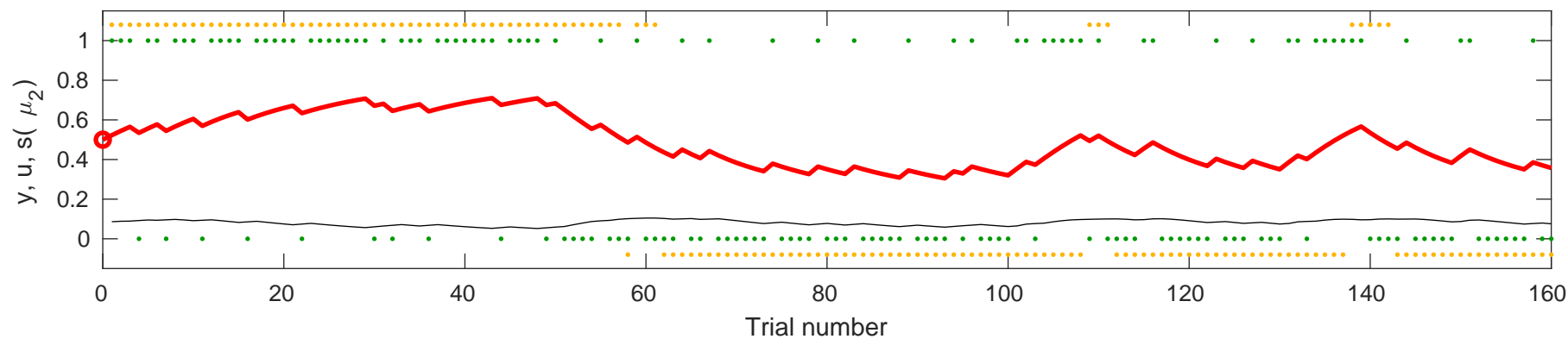


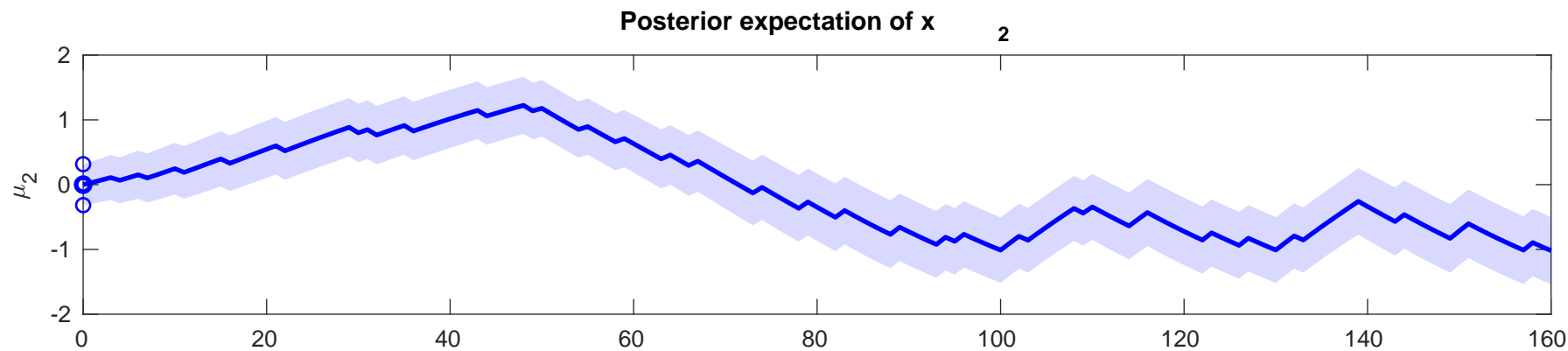
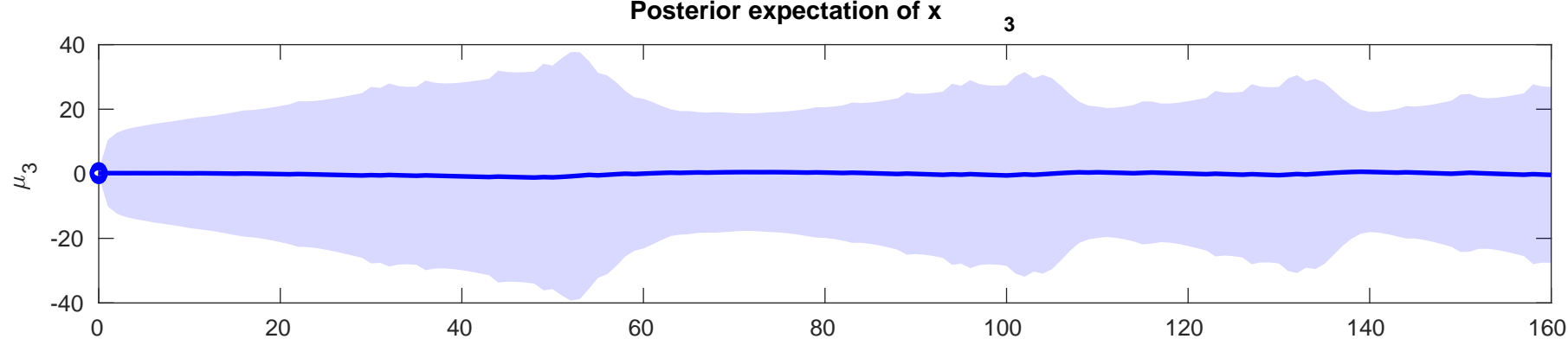
se y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0$, $\kappa=1$, $\omega=-3.8527$



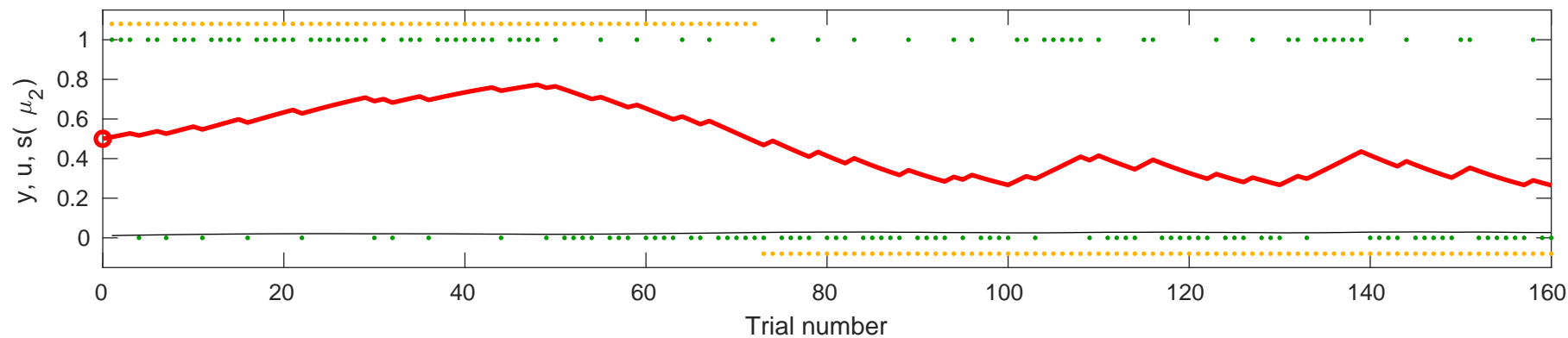


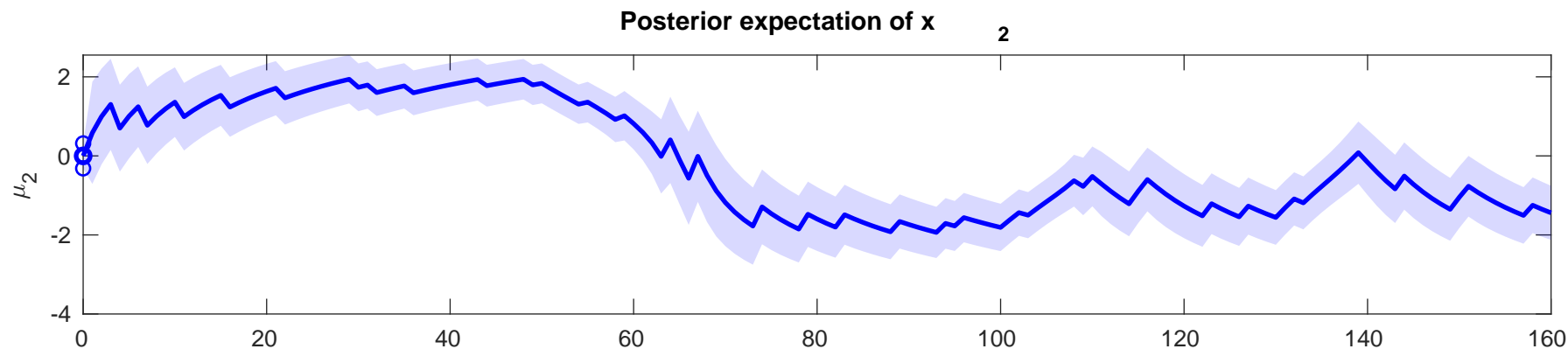
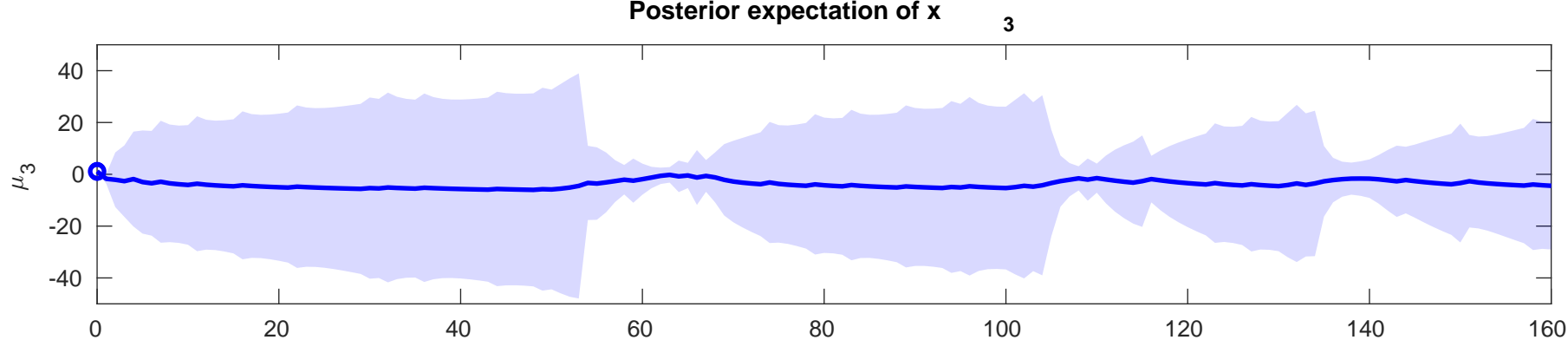
se y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0$, $\kappa=1$, $\omega=-6.3237$



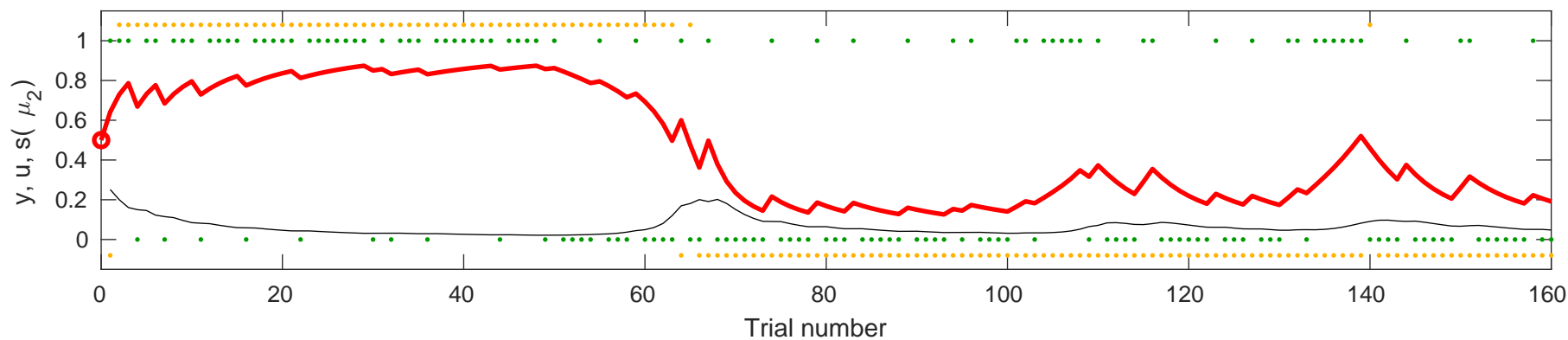


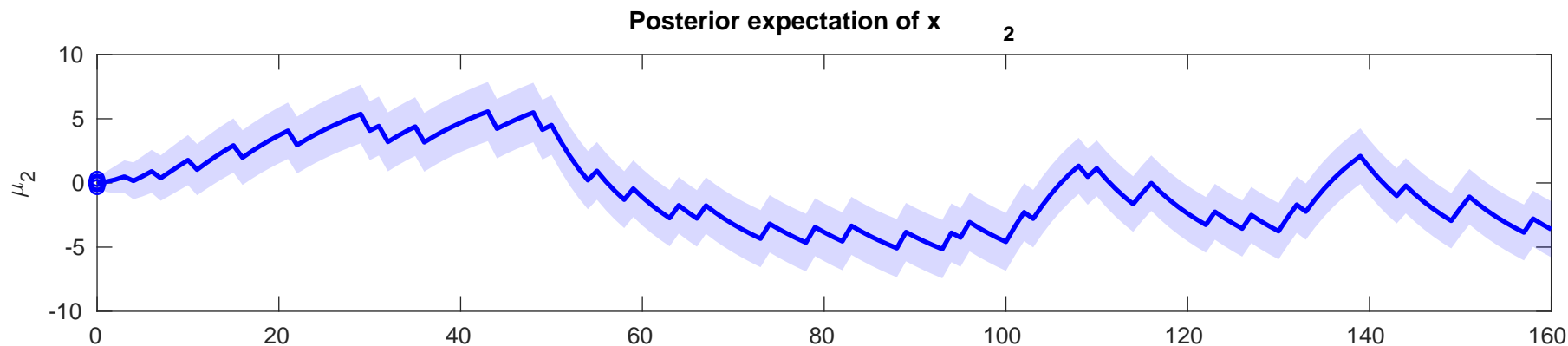
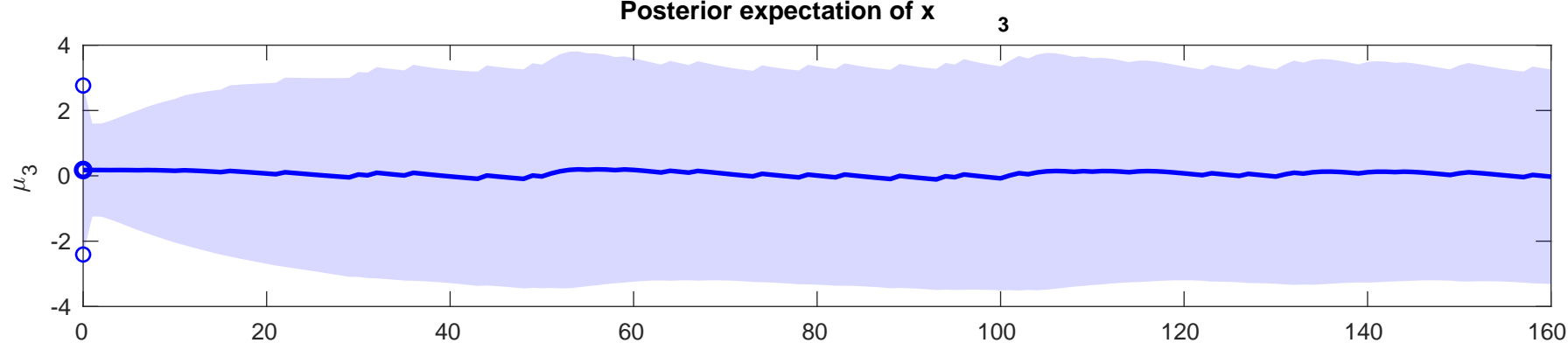
se y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0$, $\kappa=1$, $\omega=-5.0223$



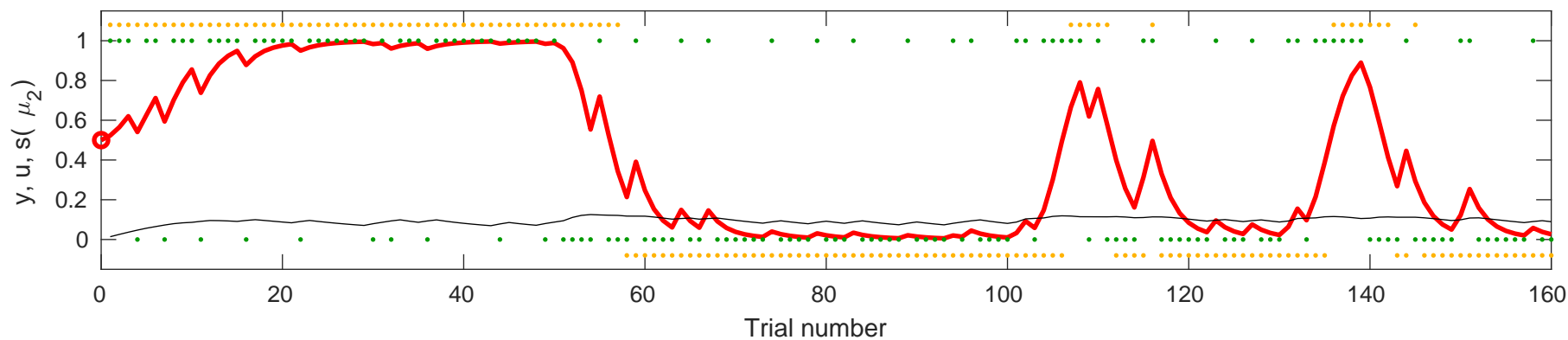


the y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0$, $\kappa=1$, $\omega=-0.43739$



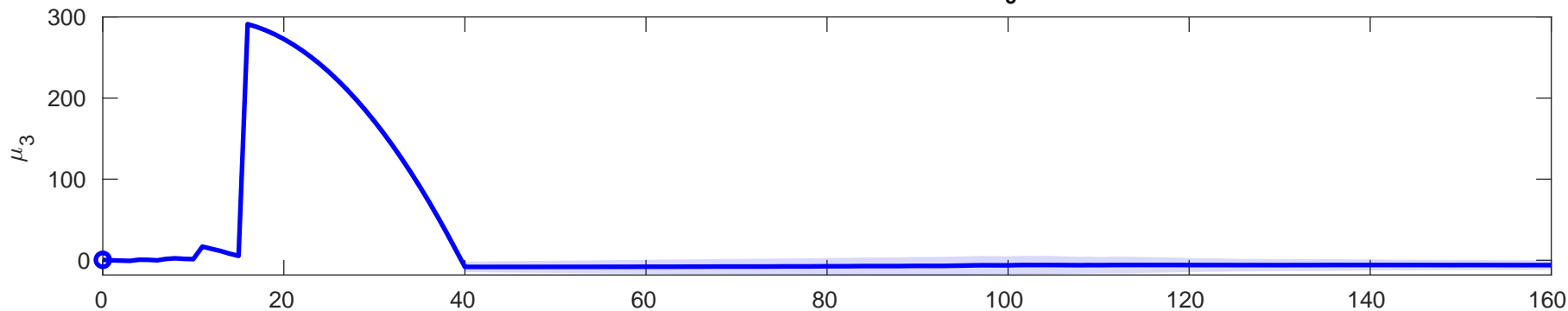


the y (orange), input u (green), learning rate (fine black), and posterior expectation of input s(μ_2) (red) for $\rho=0$, $\kappa=1$, $\omega=-0.79516$



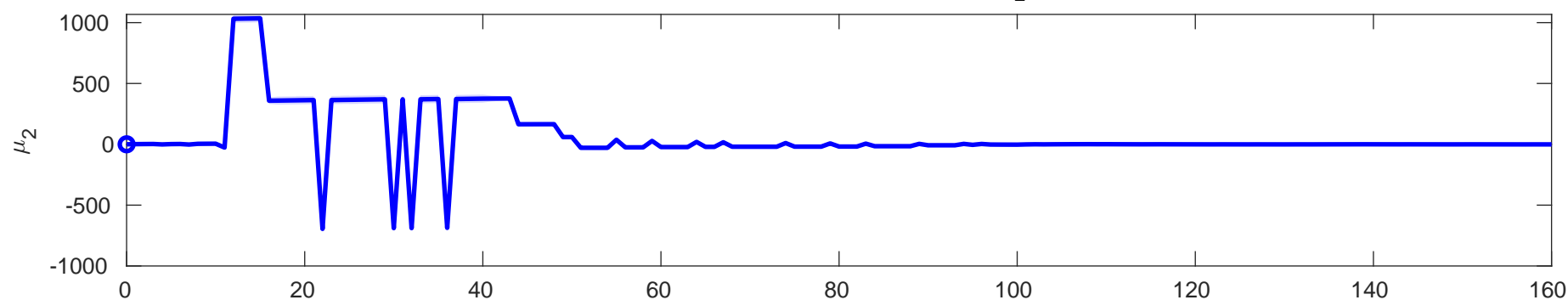
Posterior expectation of x

3



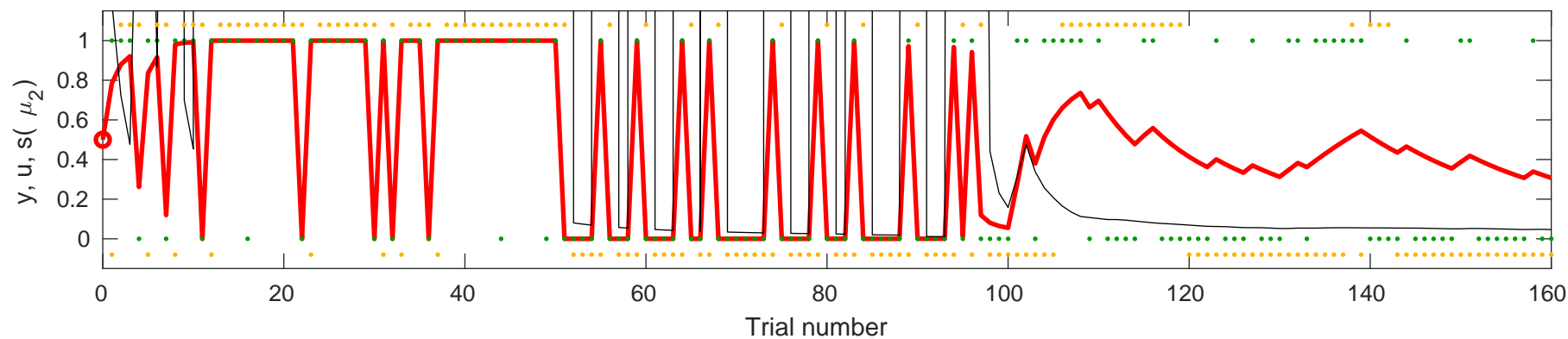
Posterior expectation of x

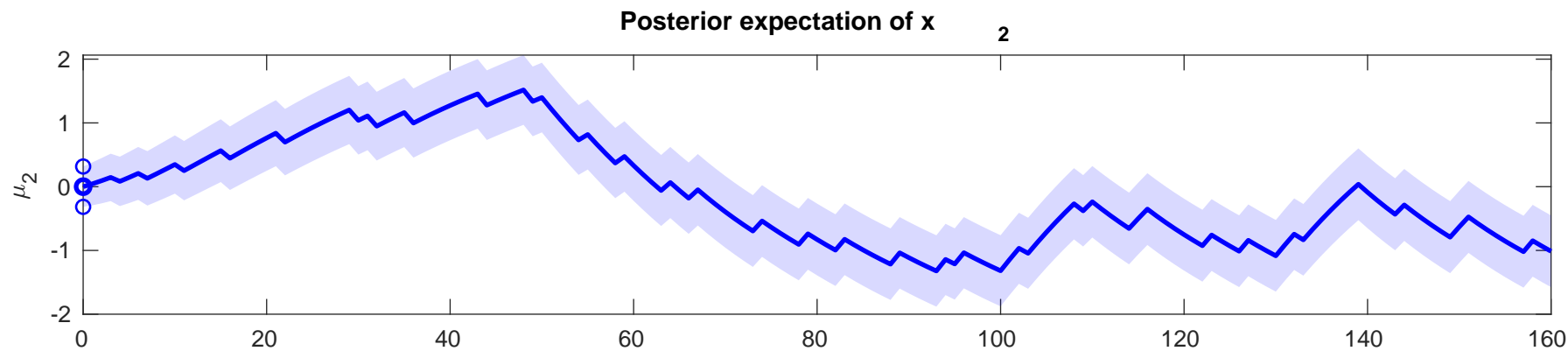
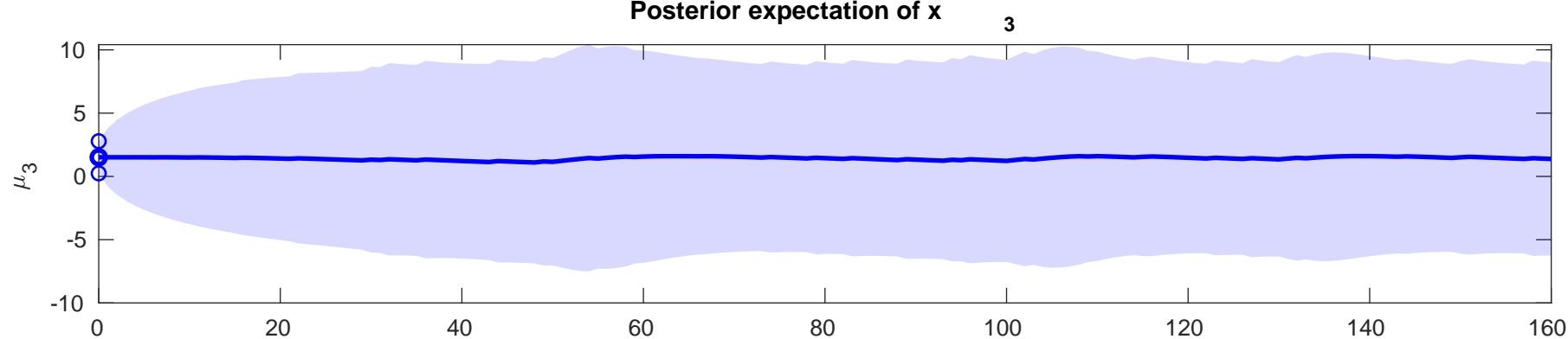
2



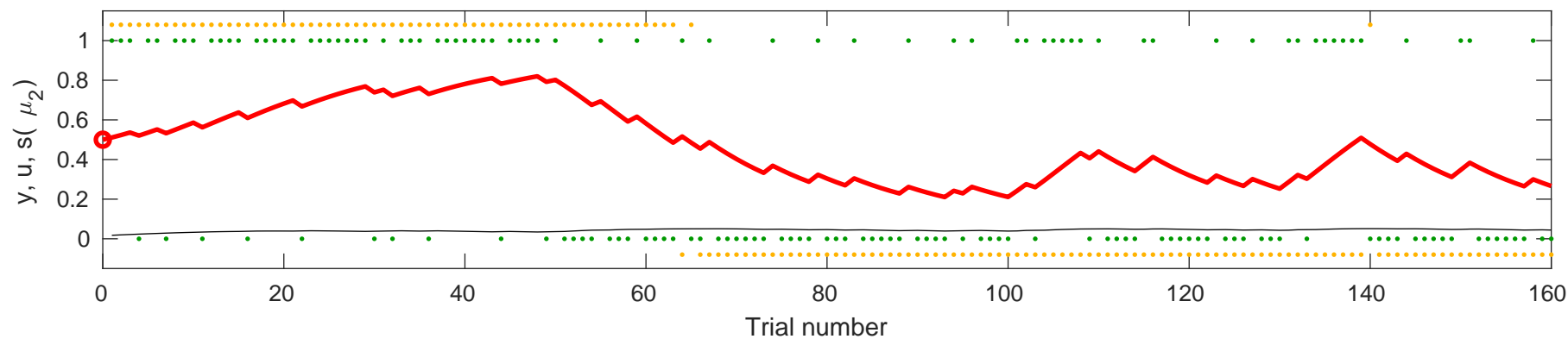
se y (orange), input u (green), learning rate (fine black), and posterior expectation of input s (

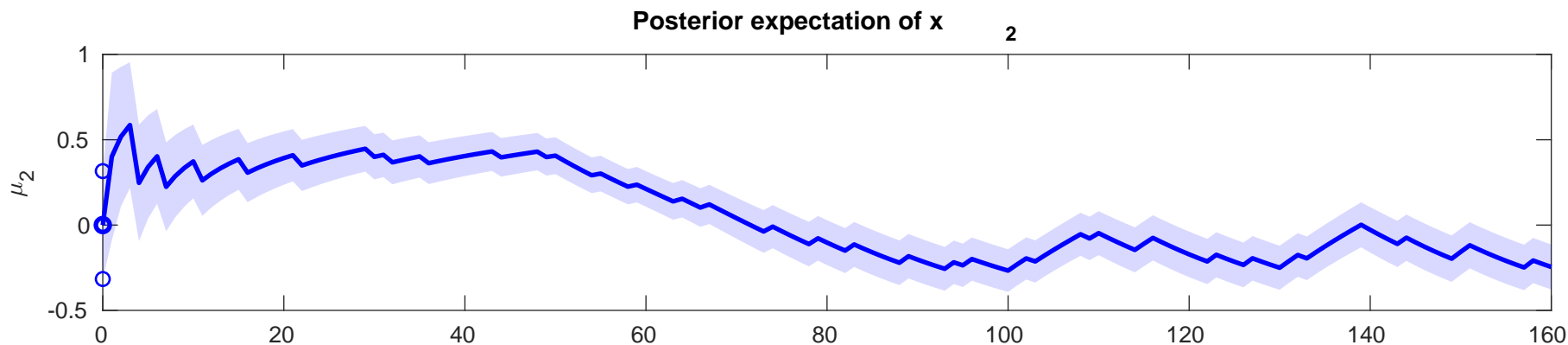
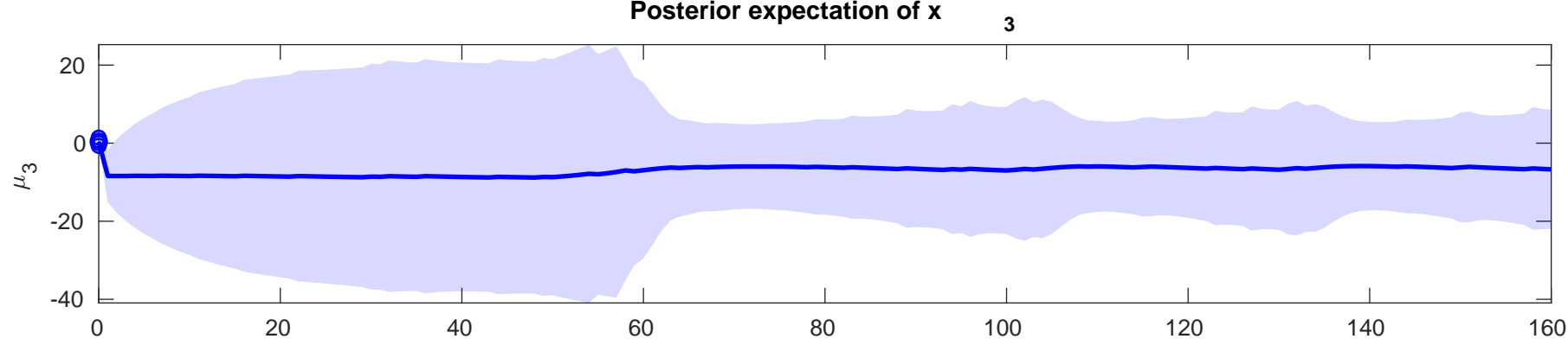
μ_2) (red) for $\rho=0$, $\kappa=1$, $\omega=1.4413$



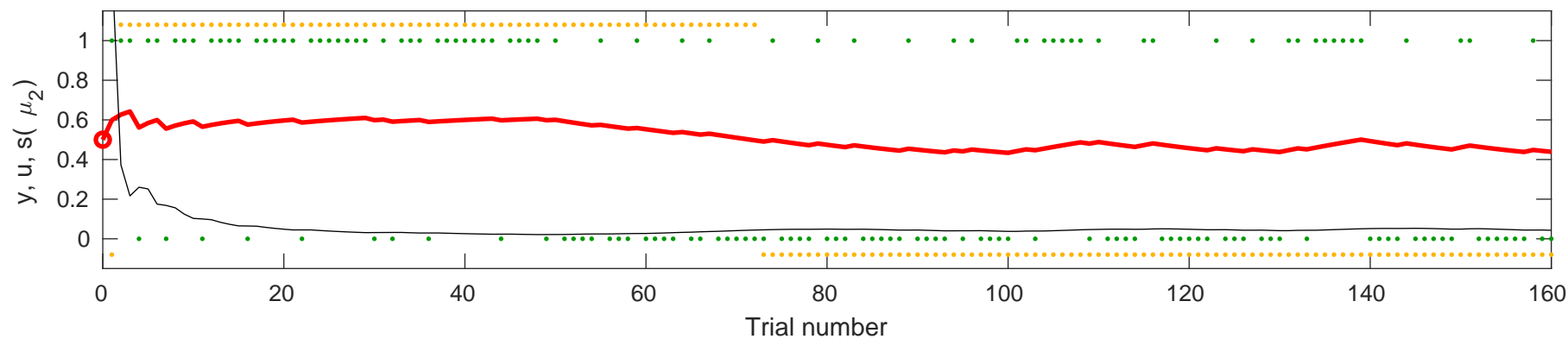


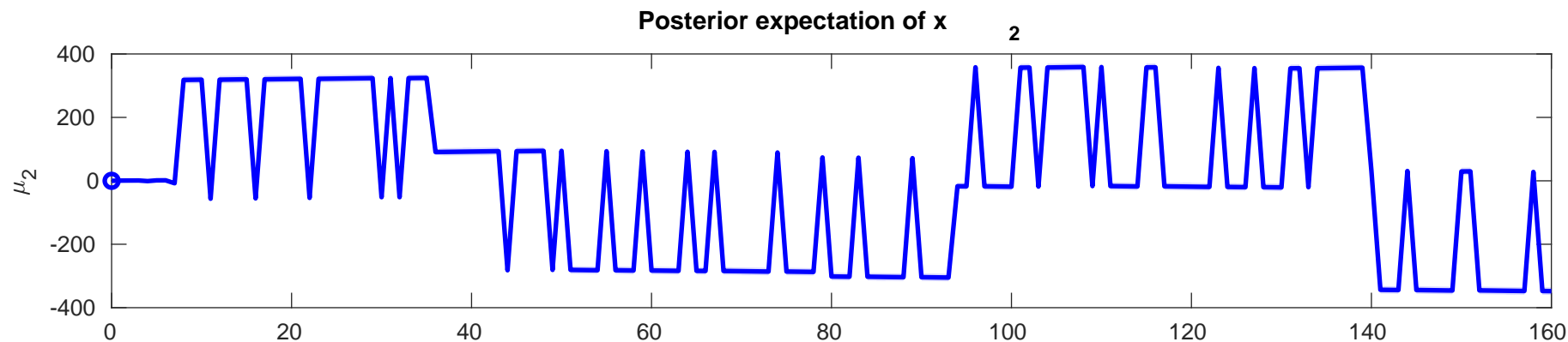
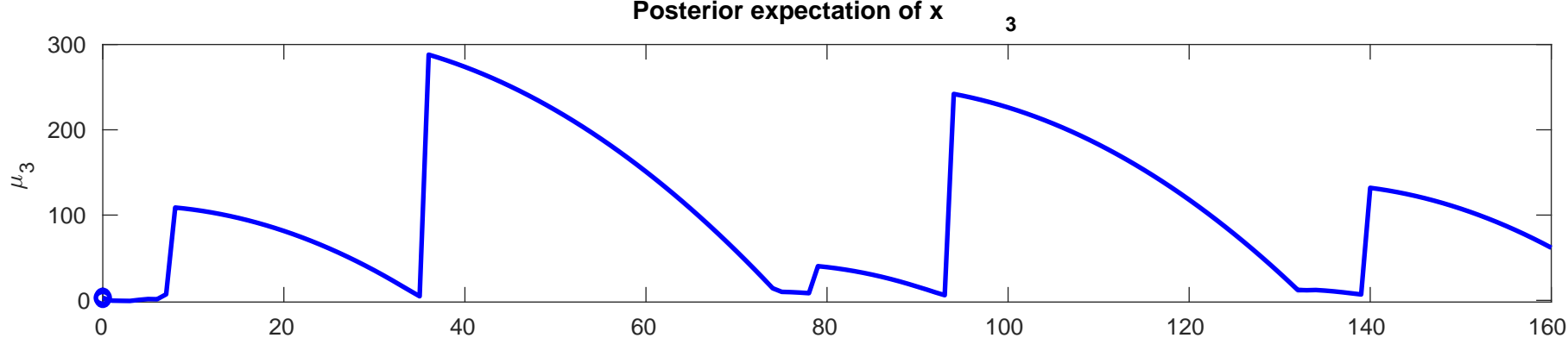
se y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0$, $\kappa=1$, $\omega=-5.6871$



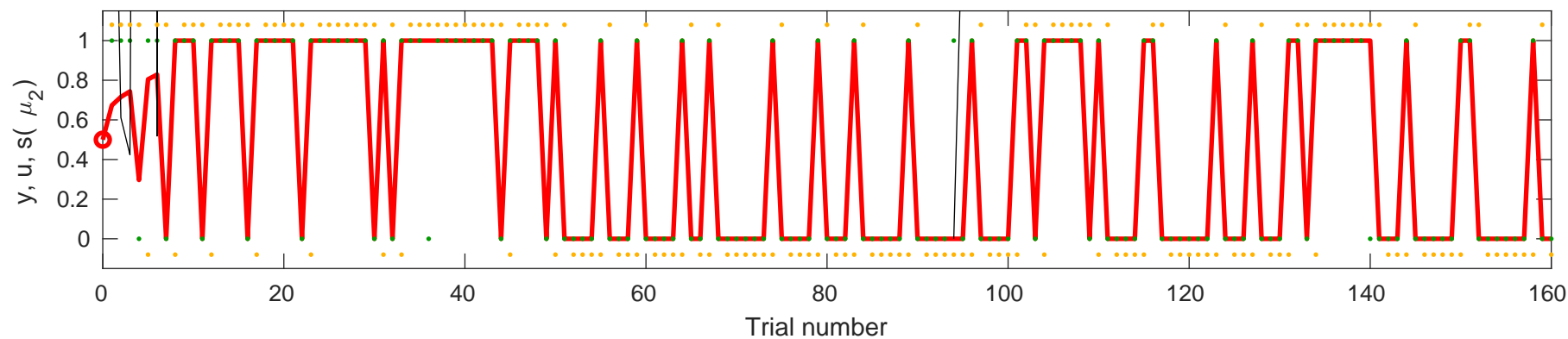


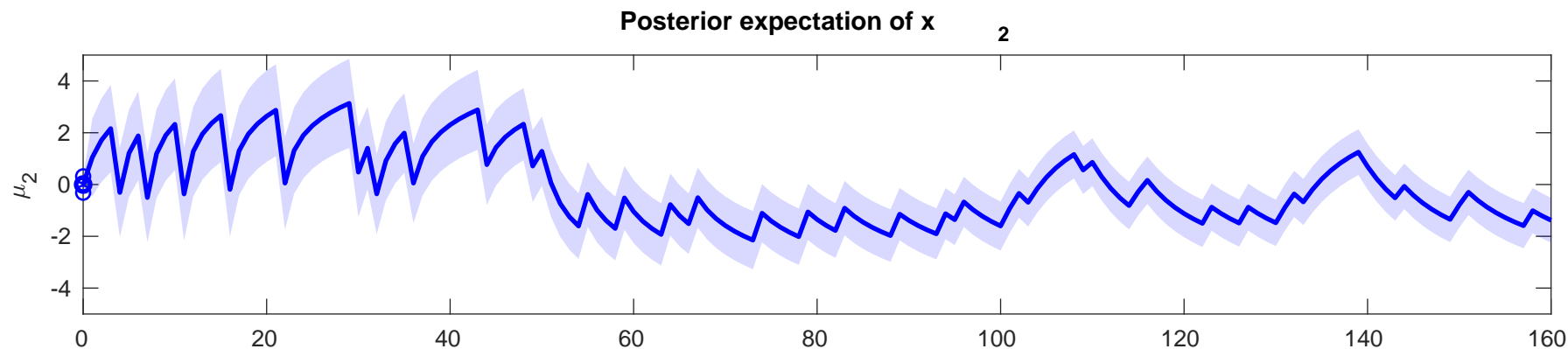
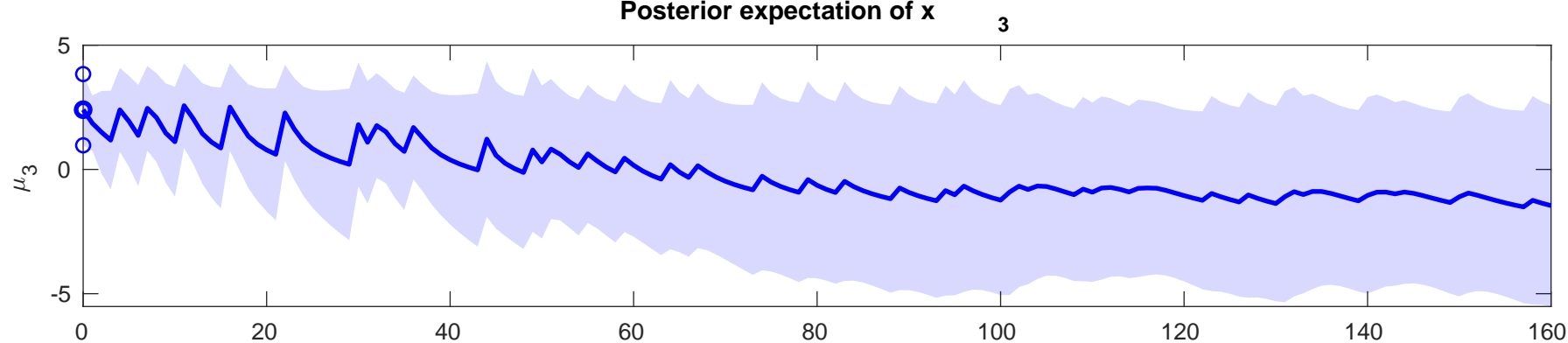
the y (orange), input u (green), learning rate (fine black), and posterior expectation of input s(μ_2) (red) for $\rho=0$, $\kappa=1$, $\omega=-0.83089$



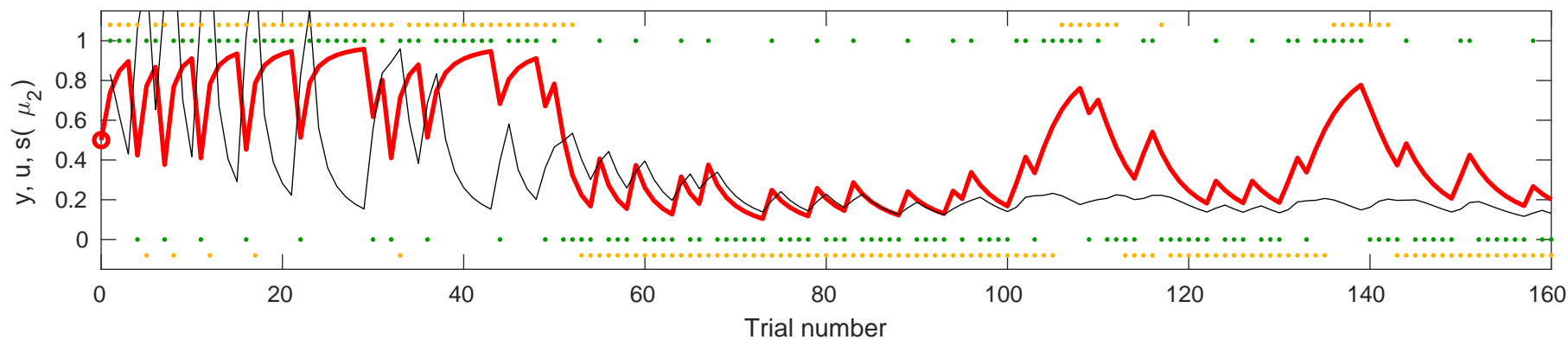


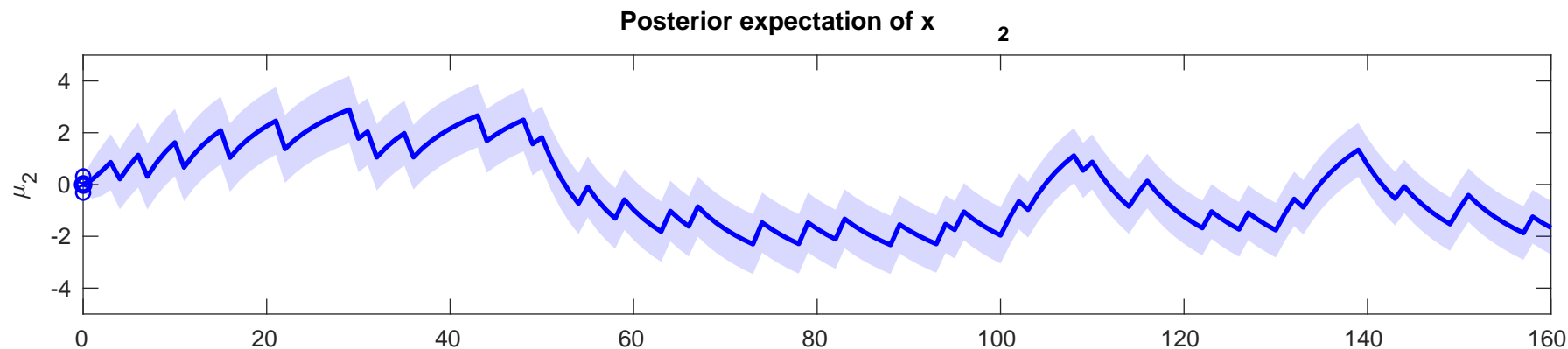
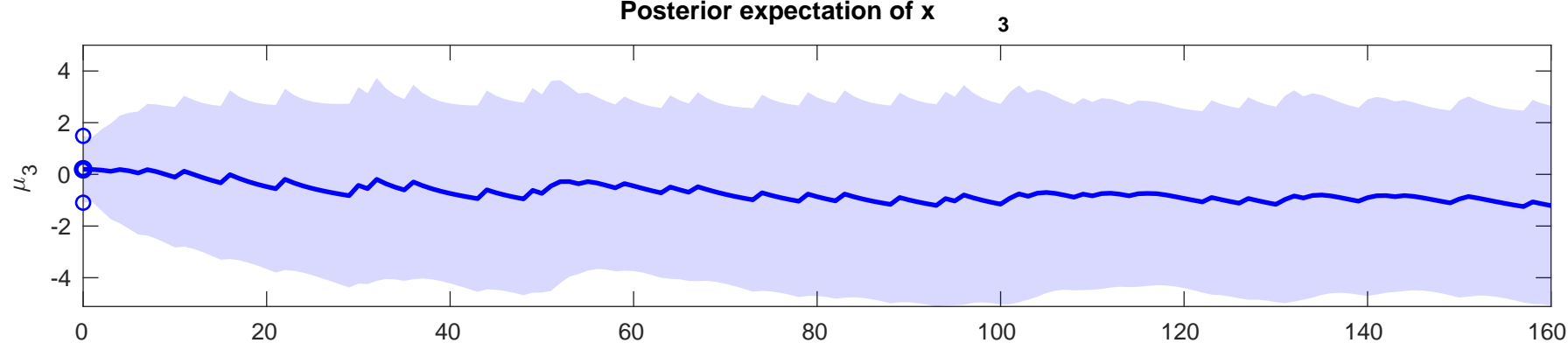
the y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0$, $\kappa=1$, $\omega=-0.27263$



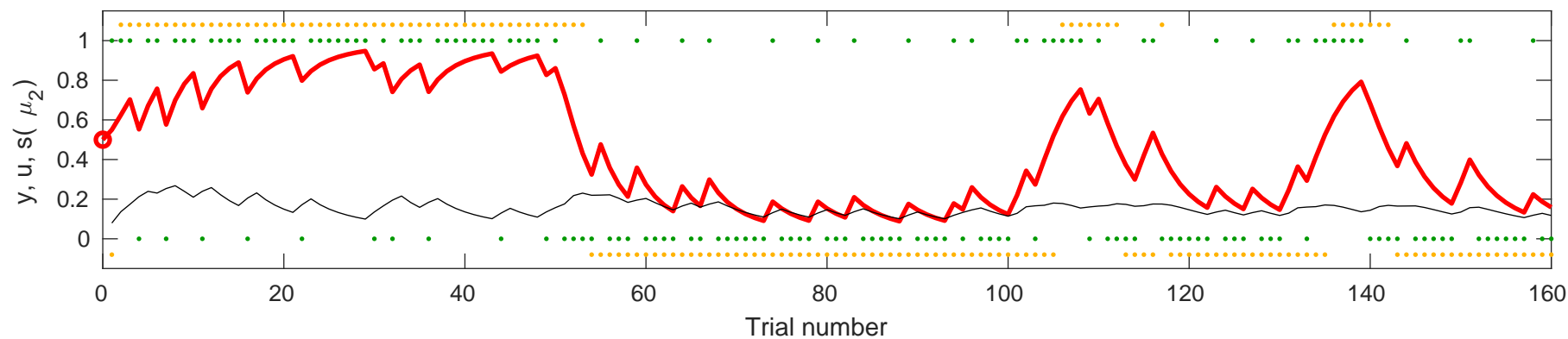


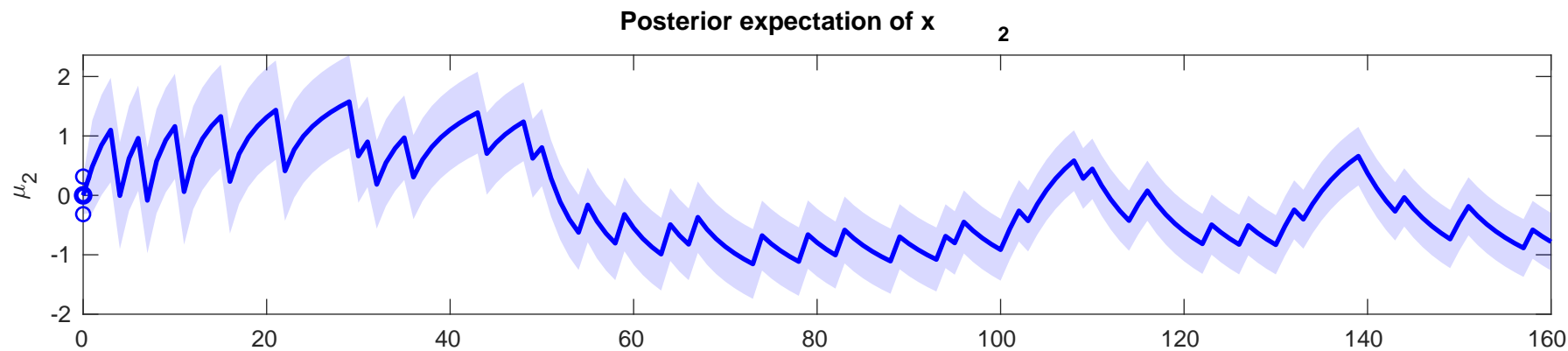
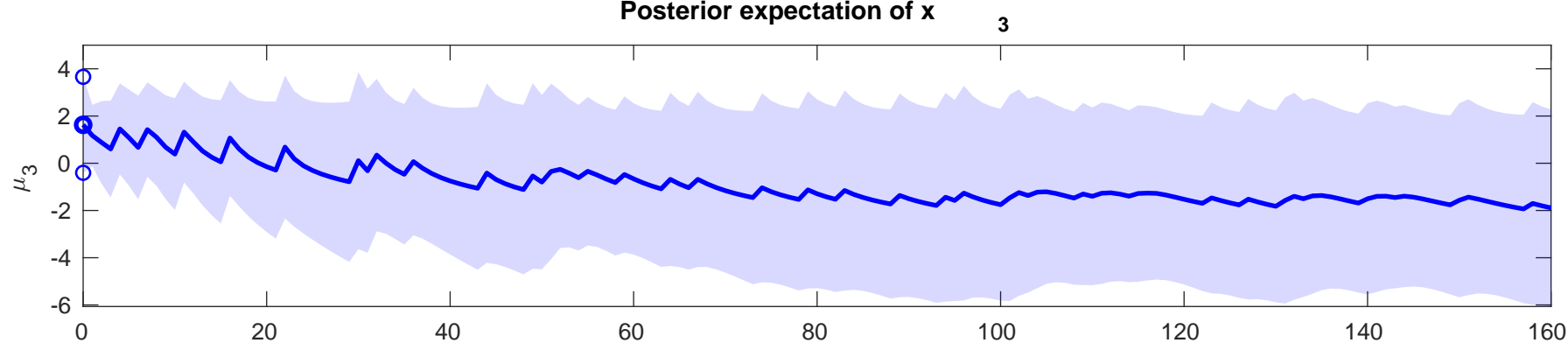
the y (orange), input u (green), learning rate (fine black), and posterior expectation of input s(μ_2) (red) for $\rho=0$, $\kappa=1$, $\omega=-0.94151$



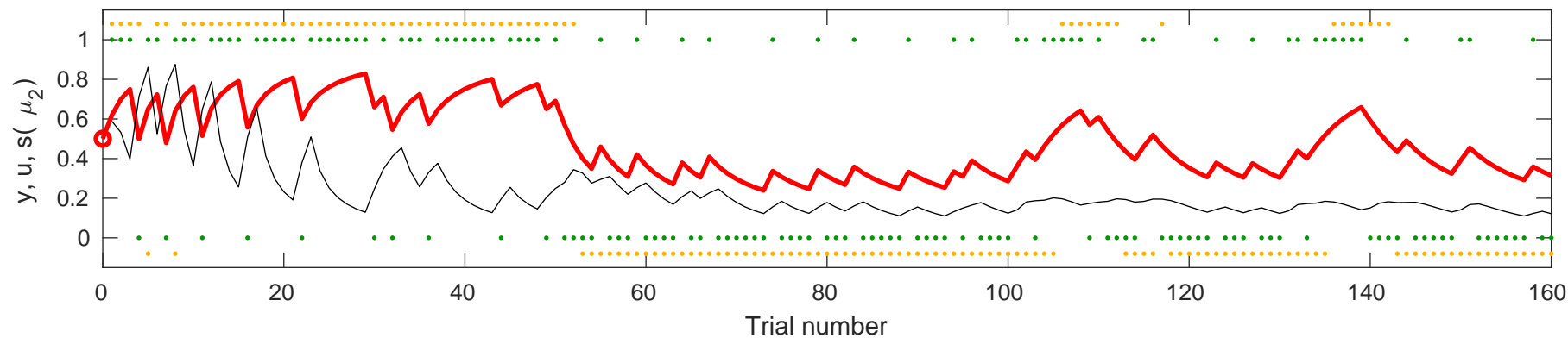


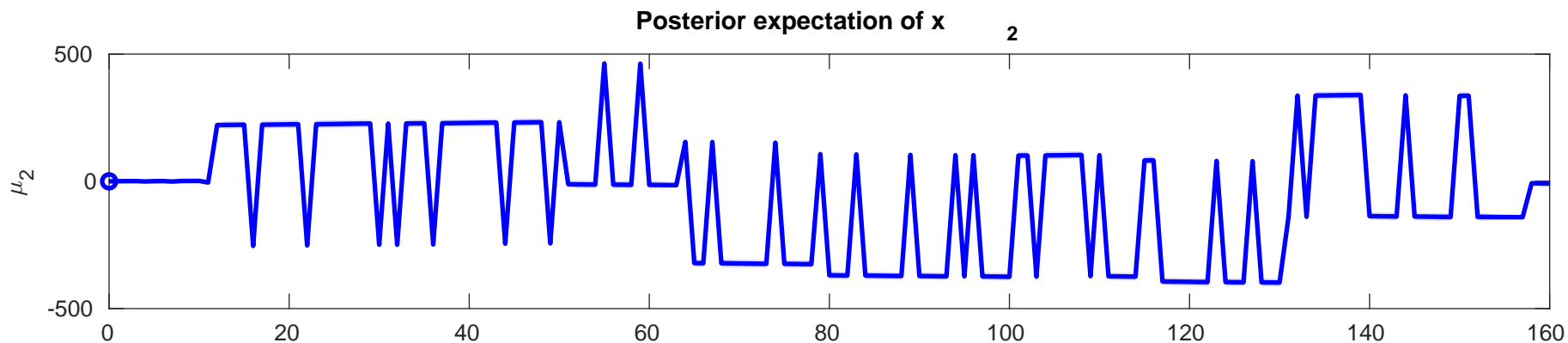
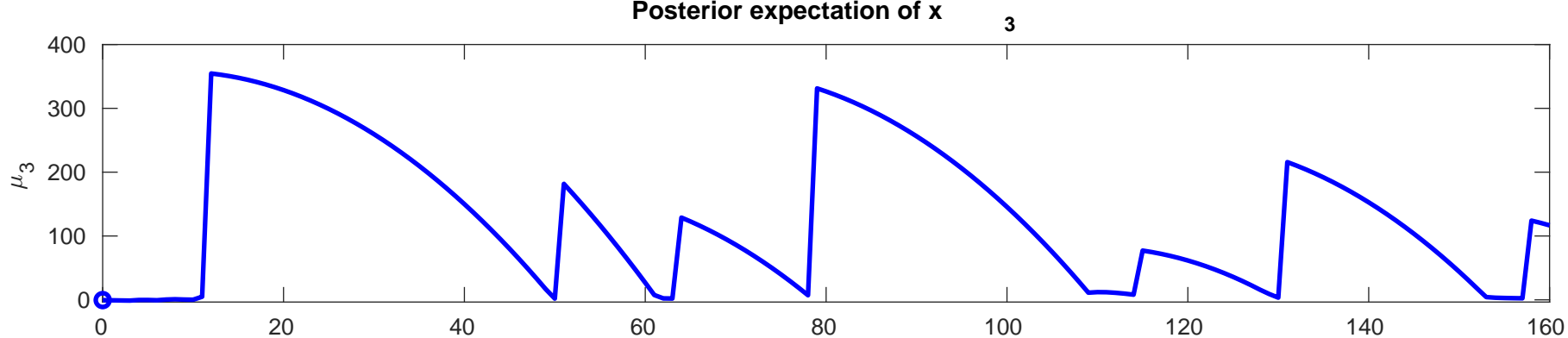
the y (orange), input u (green), learning rate (fine black), and posterior expectation of input s(μ_2) (red) for $\rho=0$, $\kappa=1$, $\omega=-0.90566$



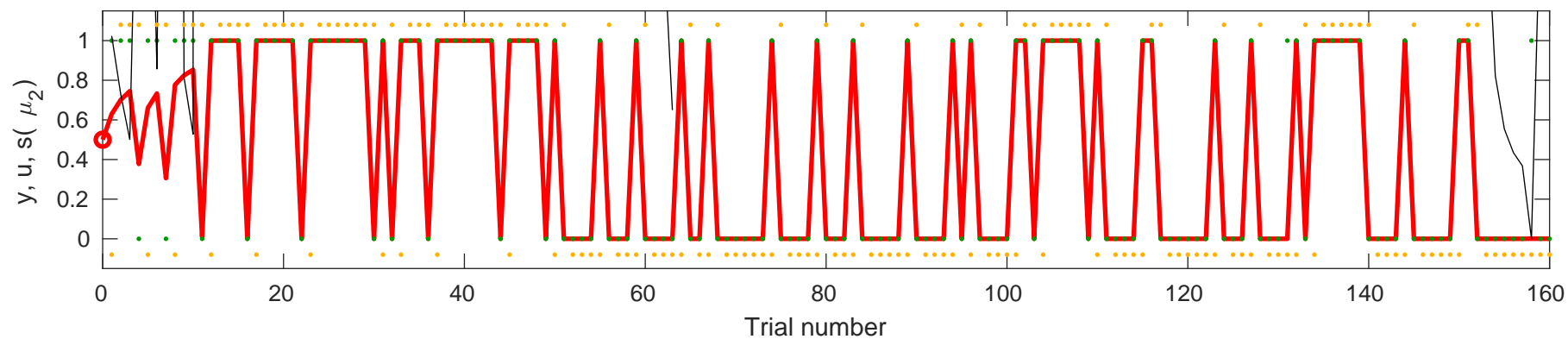


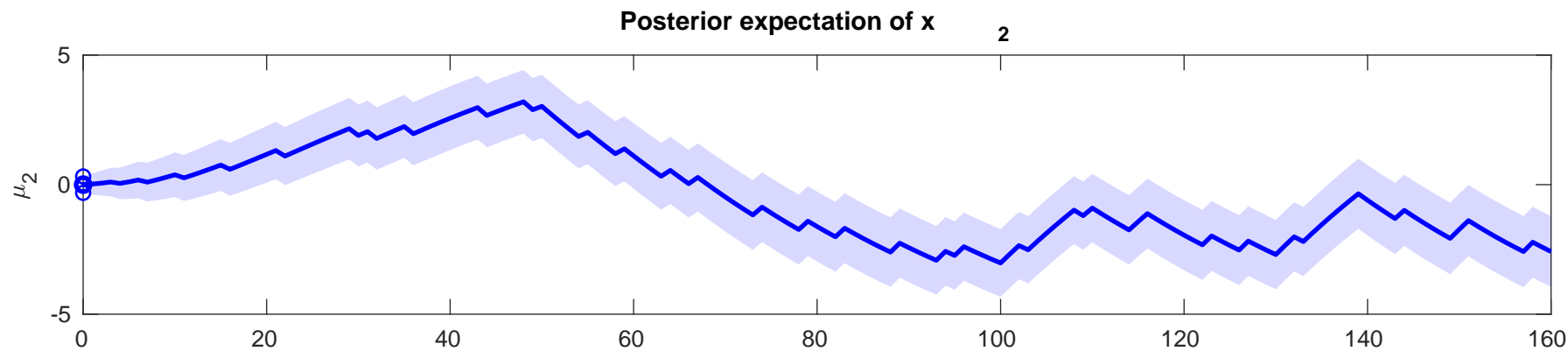
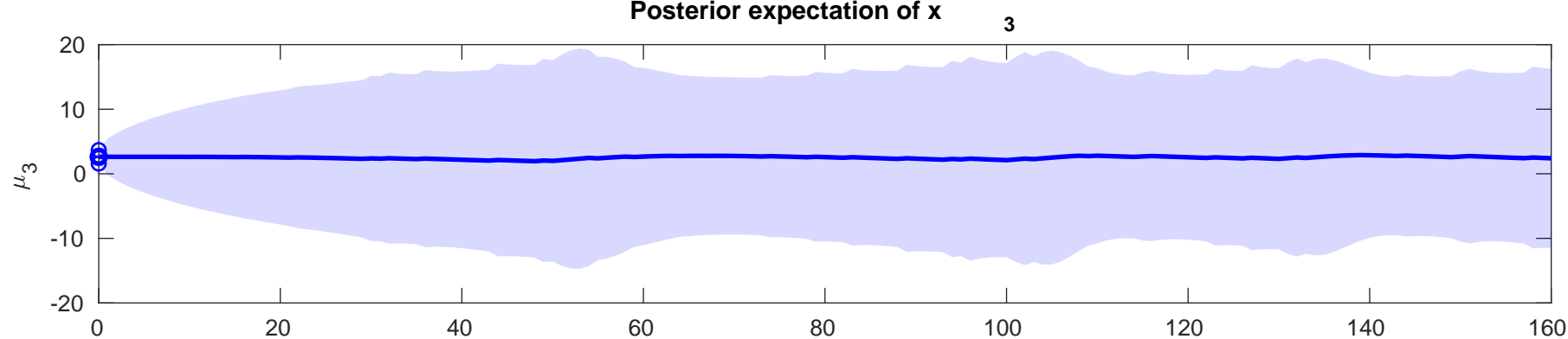
se y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0.0$, $\kappa=1$, $\omega=-1.7377$



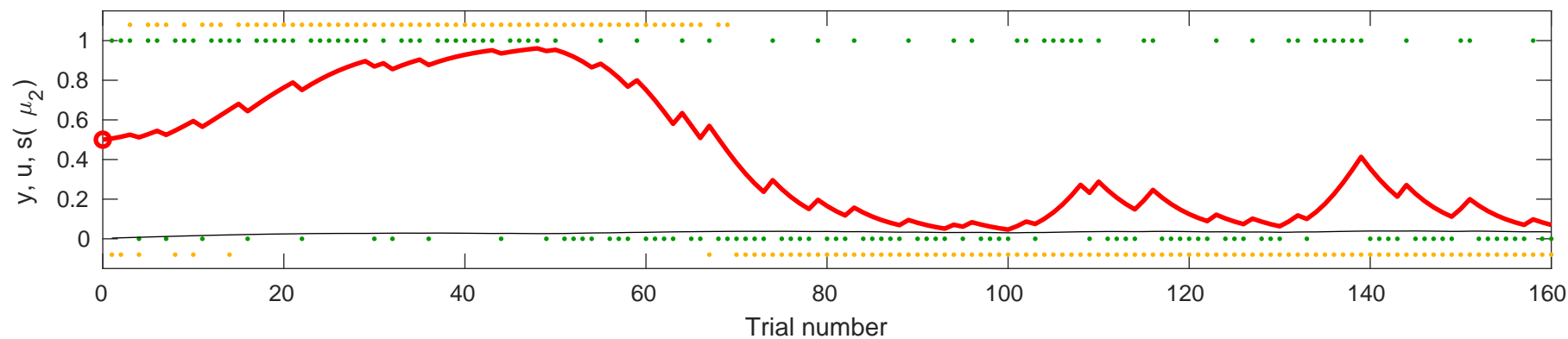


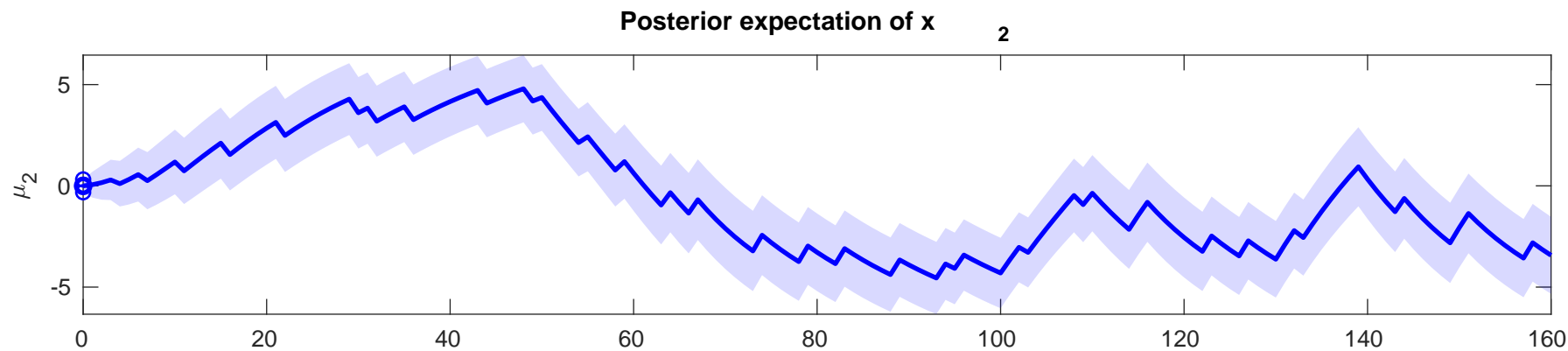
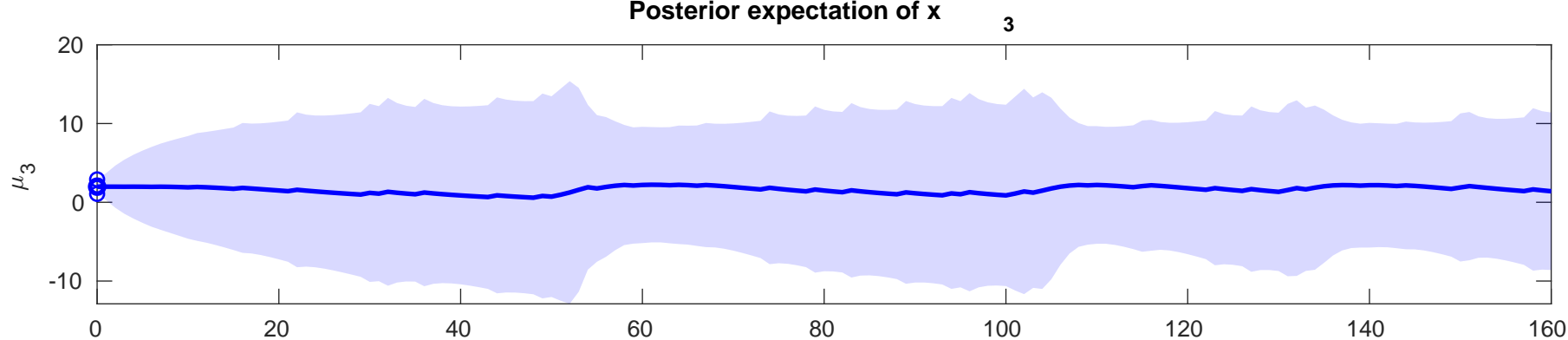
the y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0$, $\kappa=1$, $\omega=0.44713$



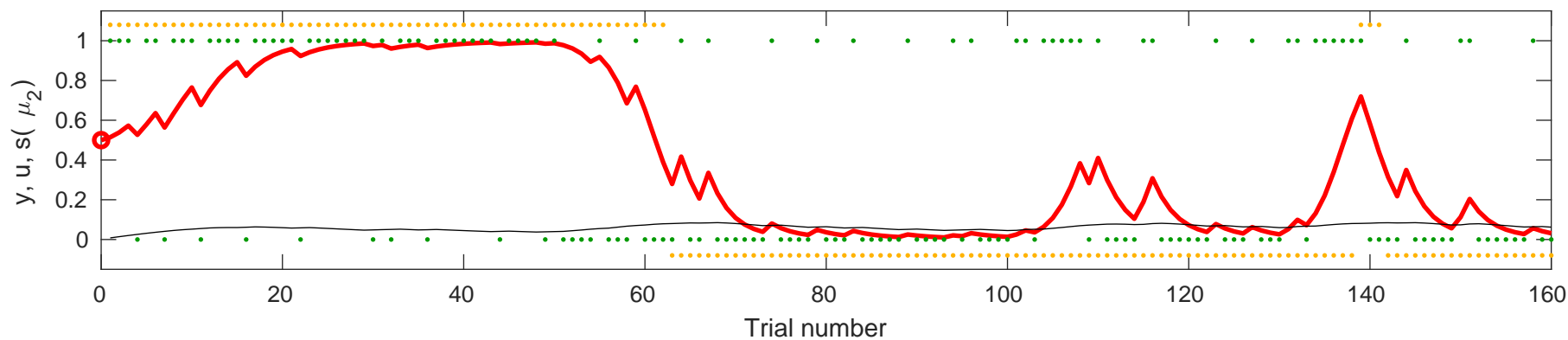


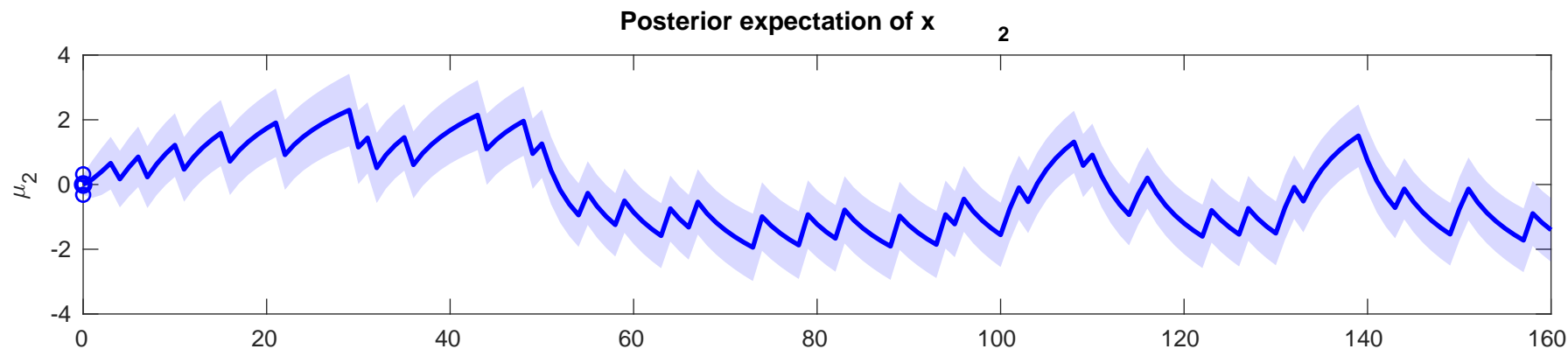
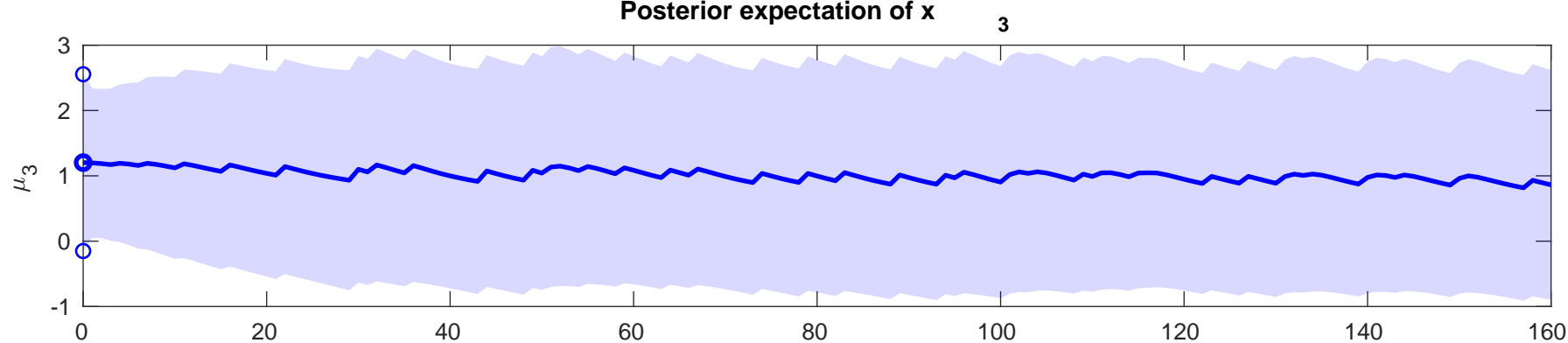
se y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0$, $\kappa=1$, $\omega=-5.2962$



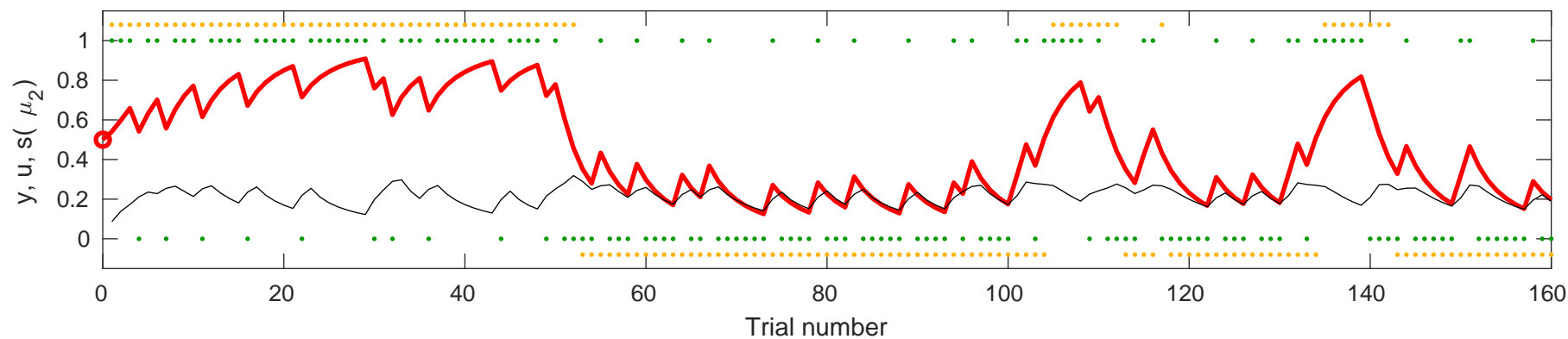


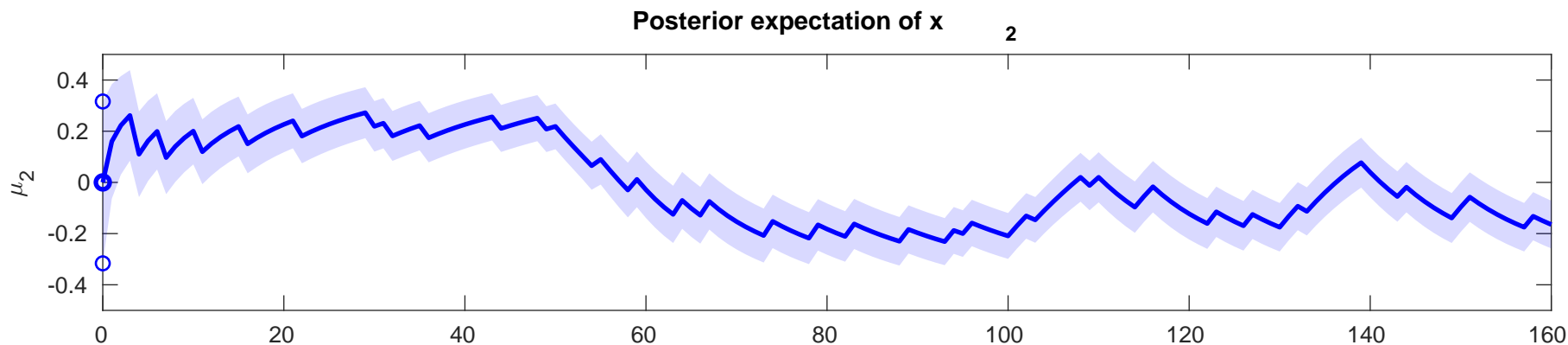
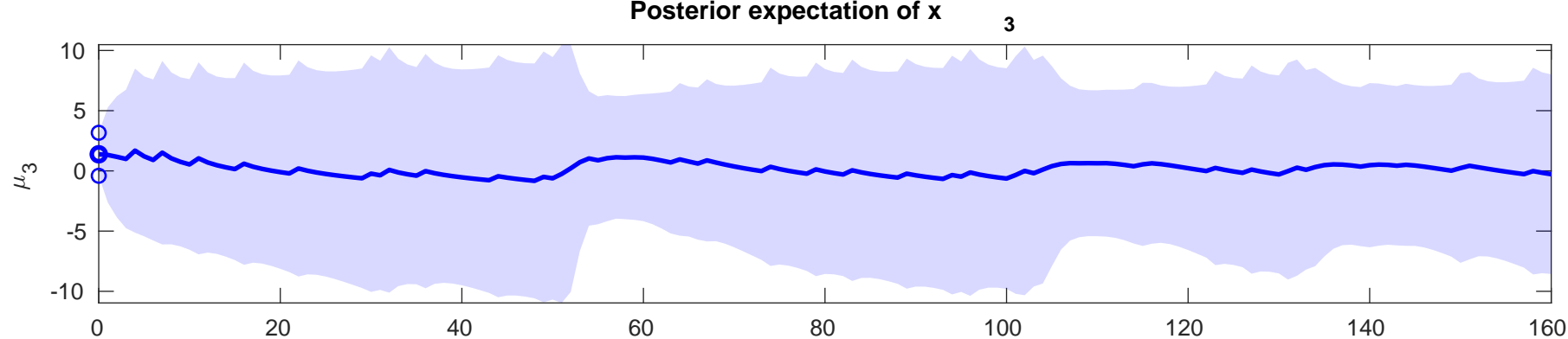
se y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0$, $\kappa=1$, $\omega=-3.1568$



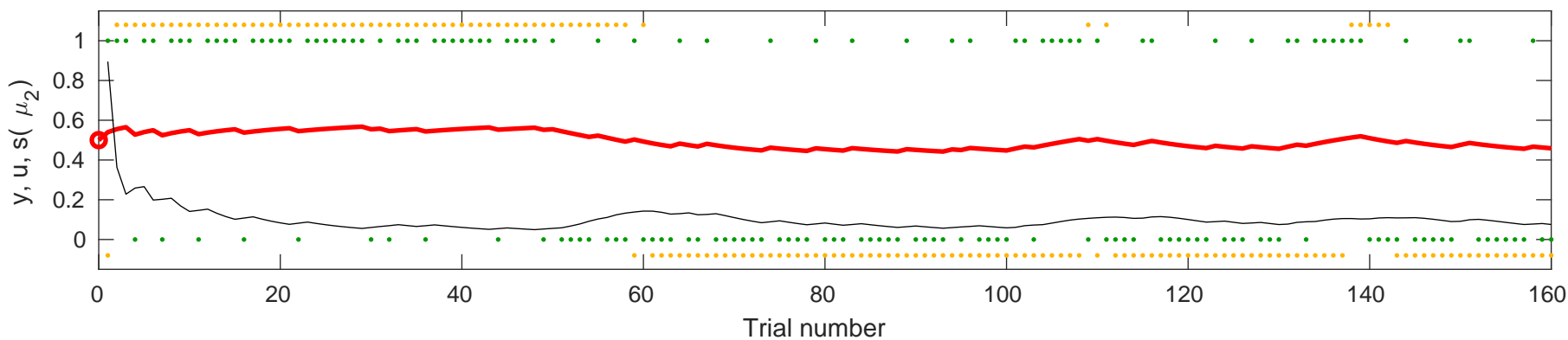


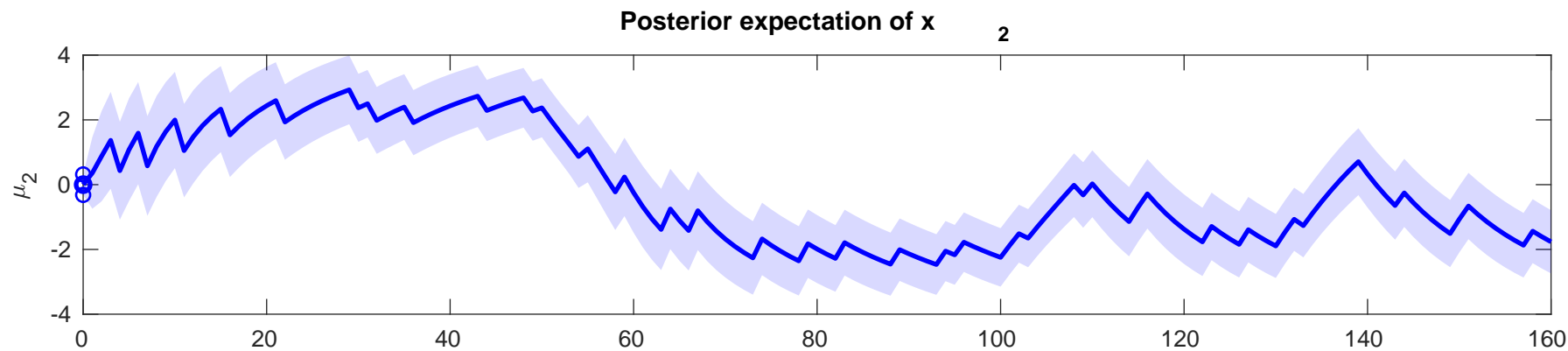
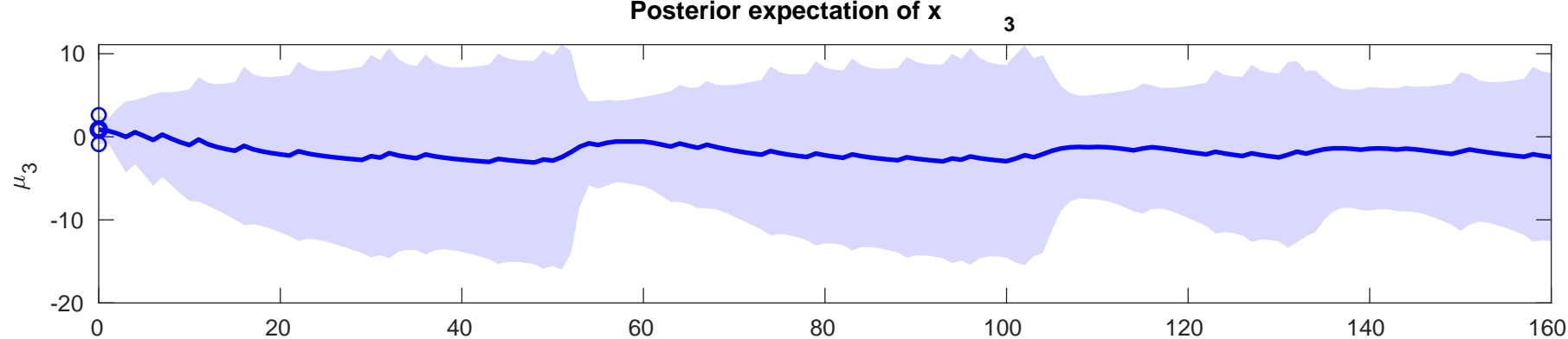
se y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0$, $\kappa=1$, $\omega=-2.5378$



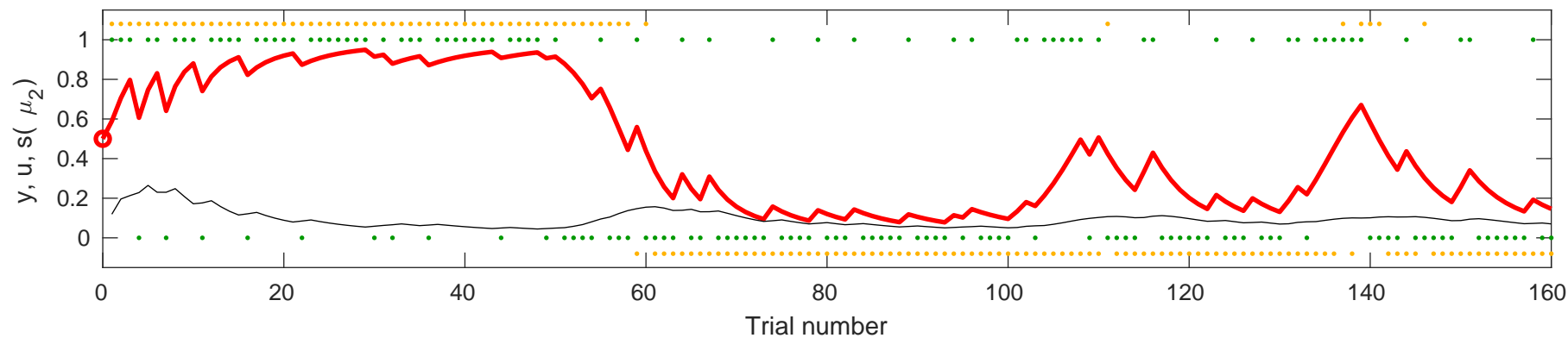


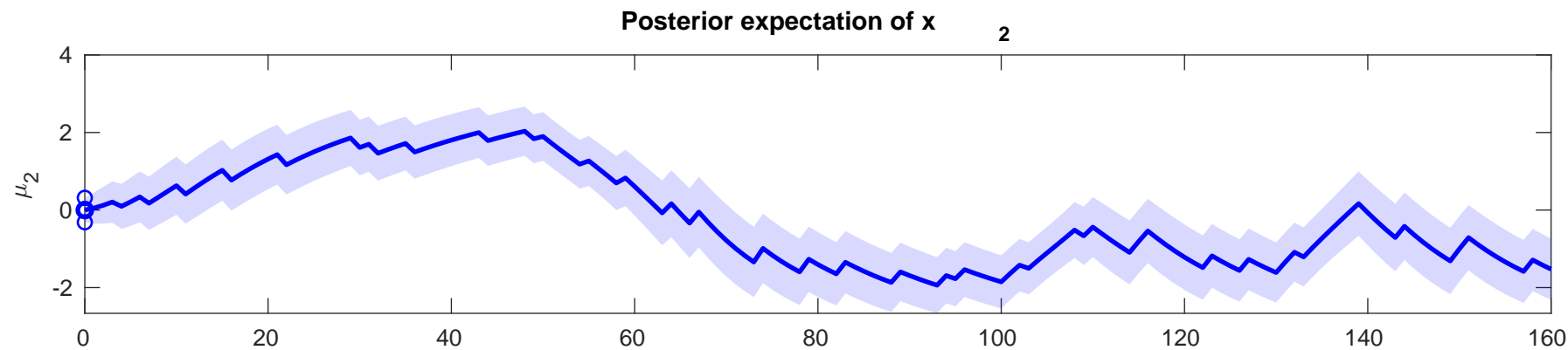
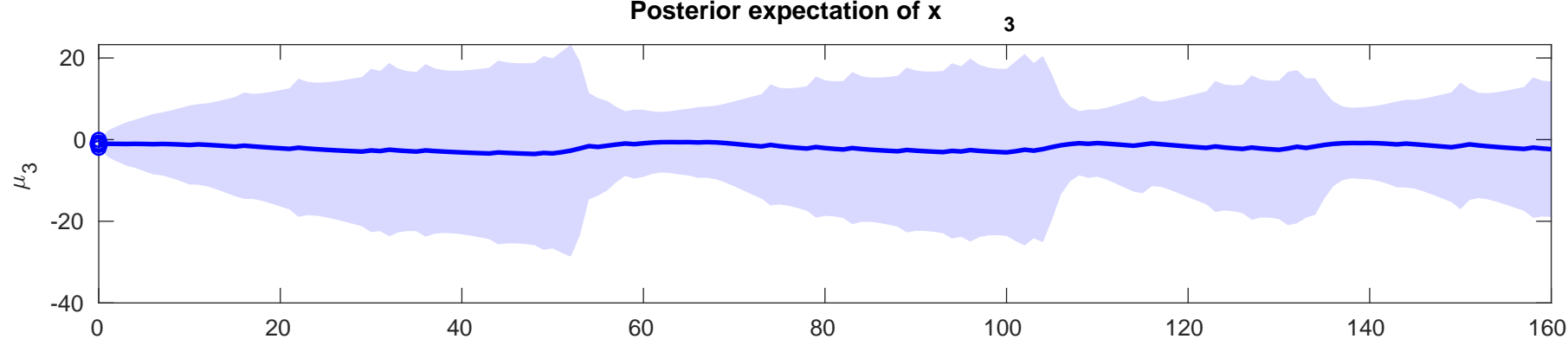
se y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0$, $\kappa=1$, $\omega=-7.2939$



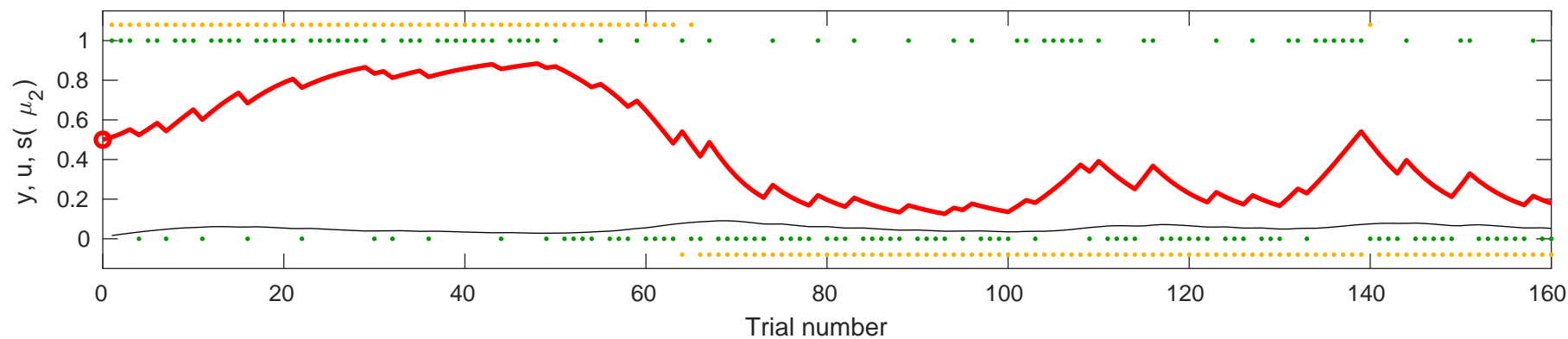


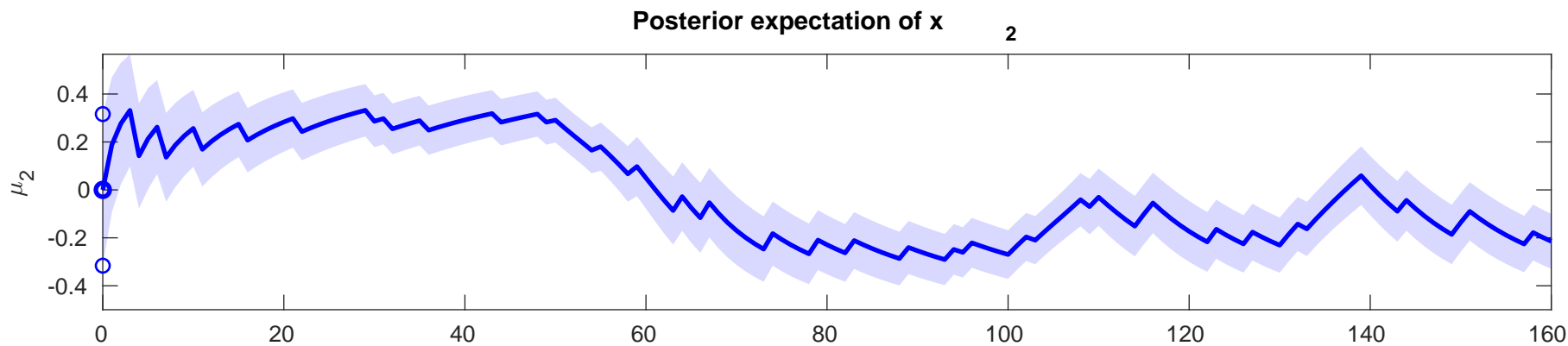
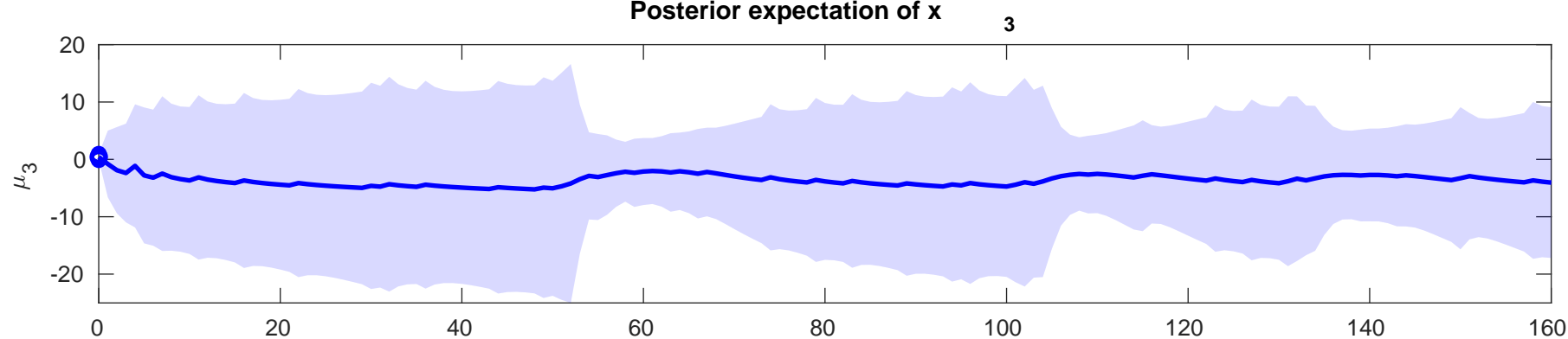
se y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0$, $\kappa=1$, $\omega=-0.6288$



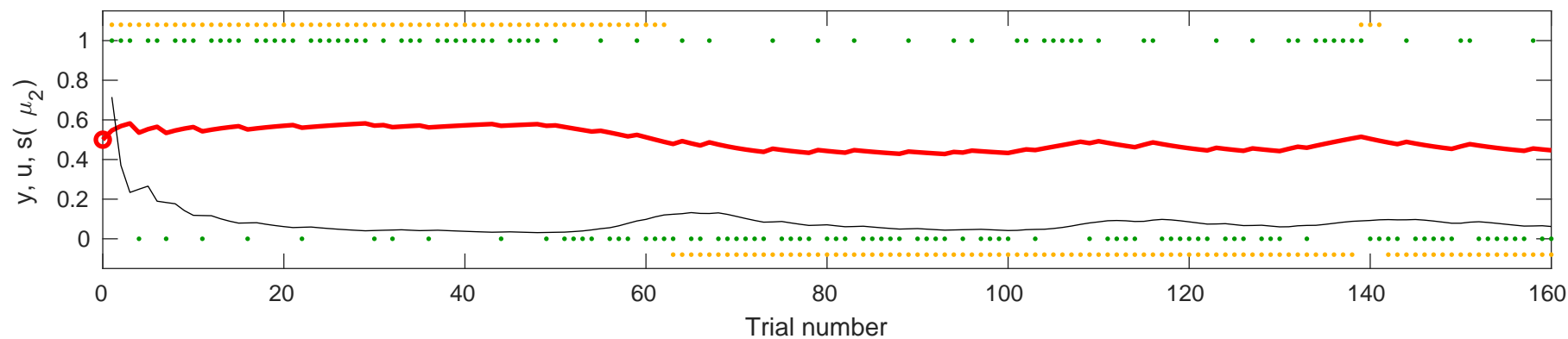


se y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0$, $\kappa=1$, $\omega=-1.6816$



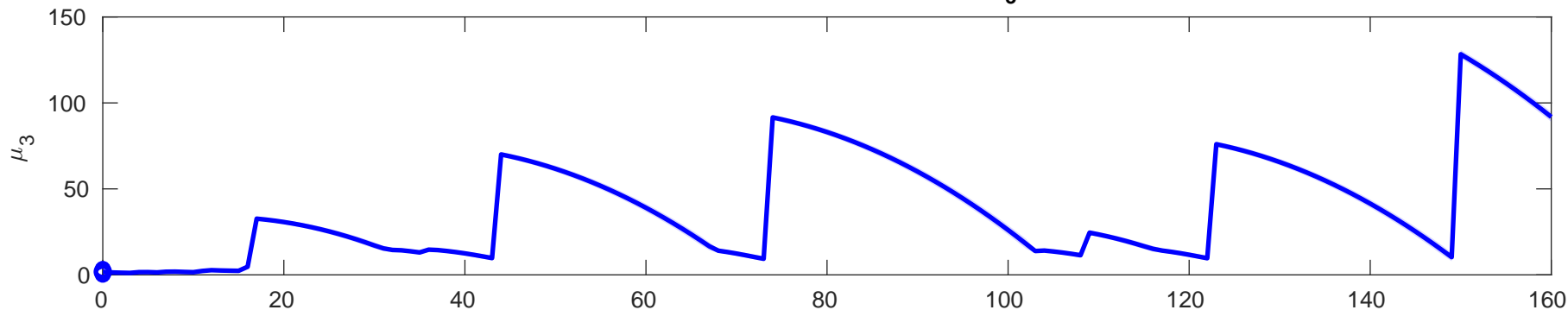


se y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0$, $\kappa=1$, $\omega=-3.5713$

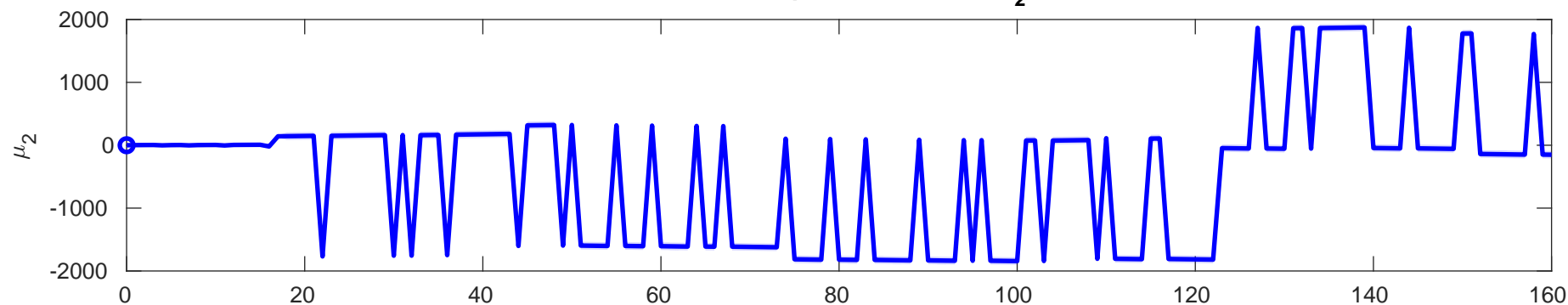


Posterior expectation of x

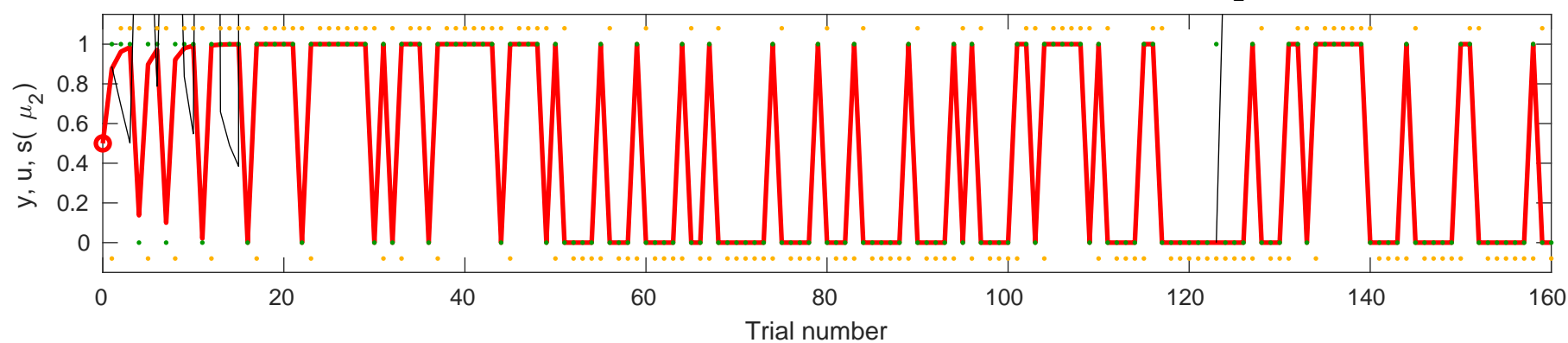
3

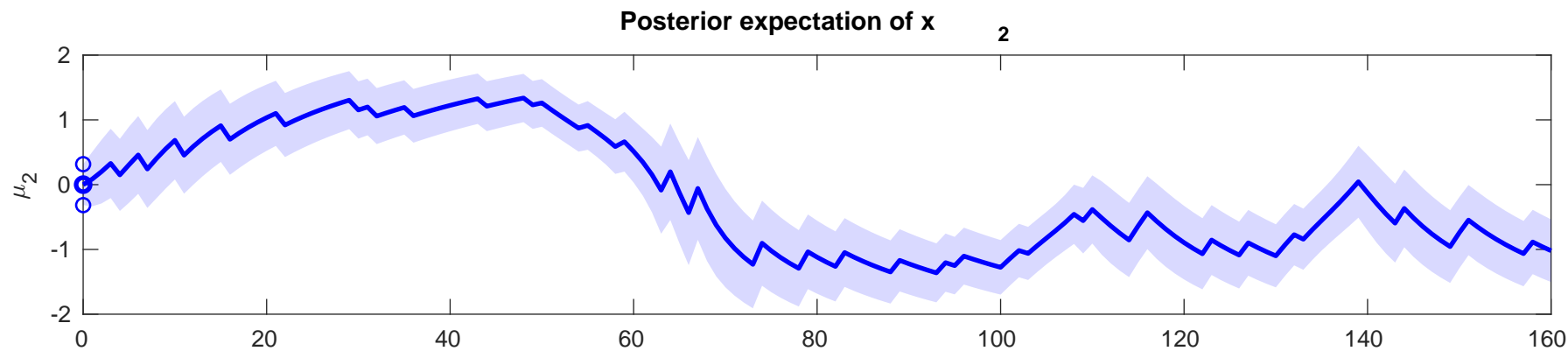
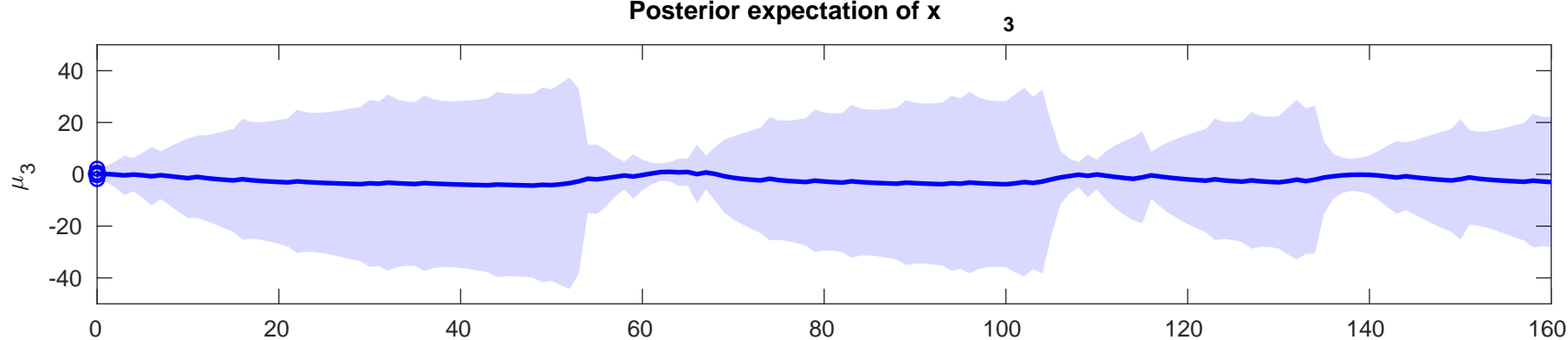
Posterior expectation of x

2

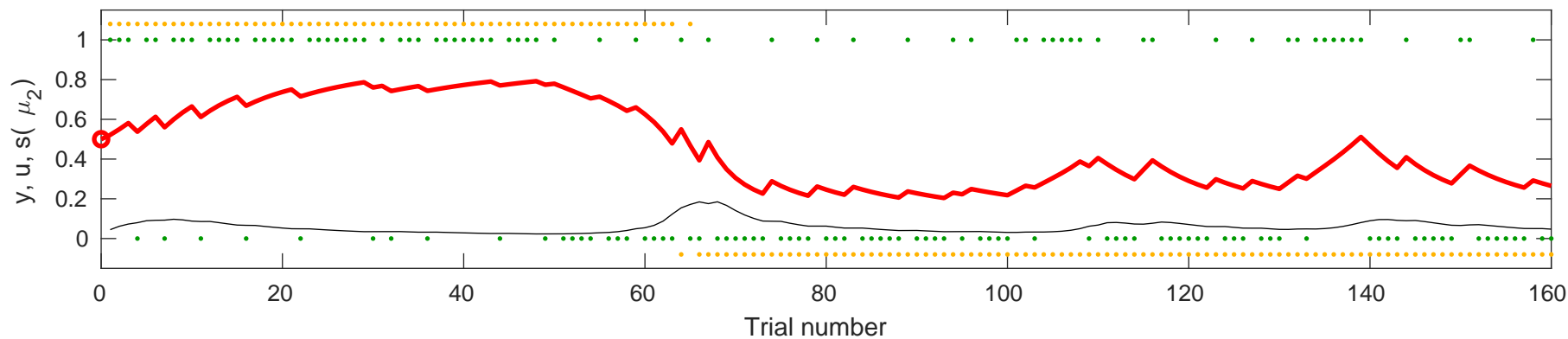


Plot of the output y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0.0$, $\kappa=1$, $\omega=0.95111$



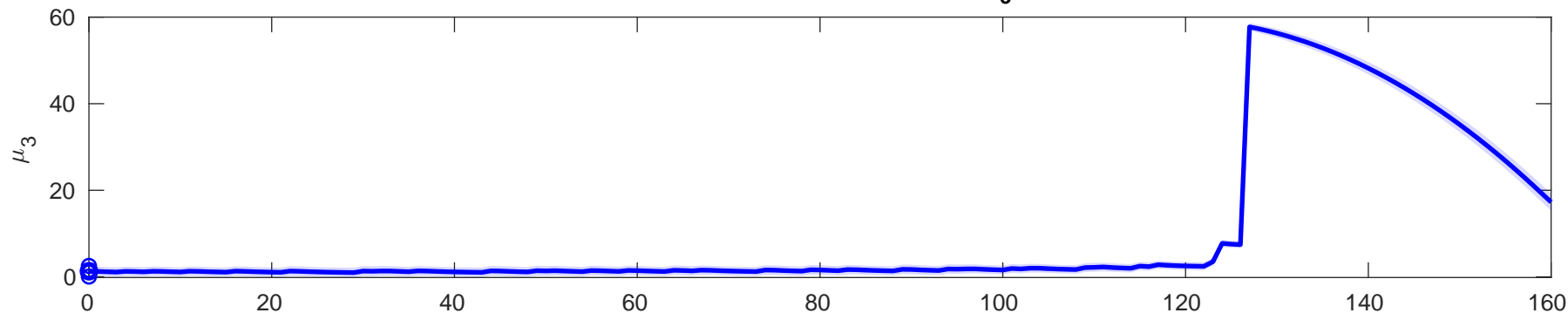


se y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0$, $\kappa=1$, $\omega=-2.6239$



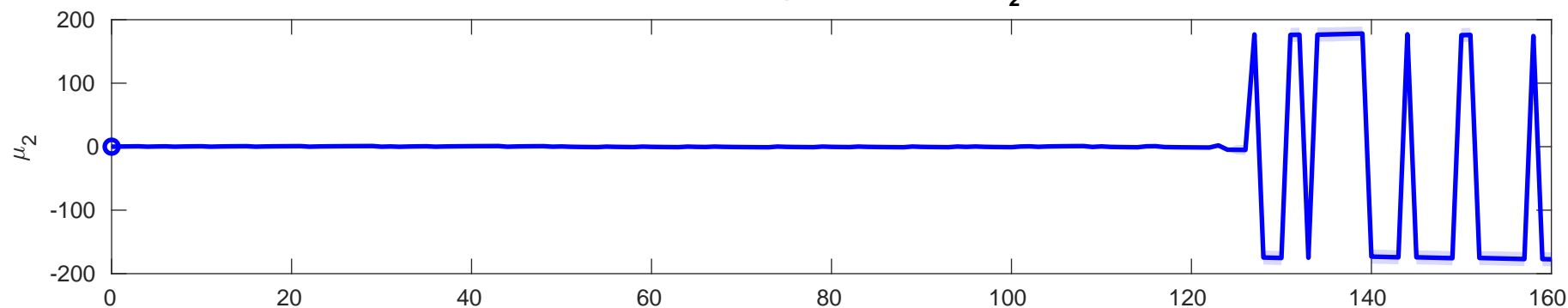
Posterior expectation of x

3



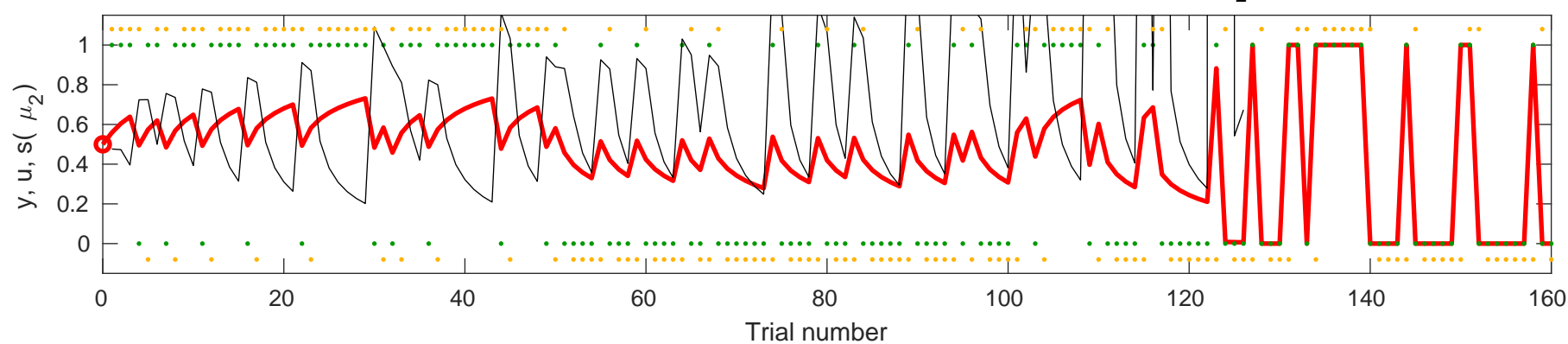
Posterior expectation of x

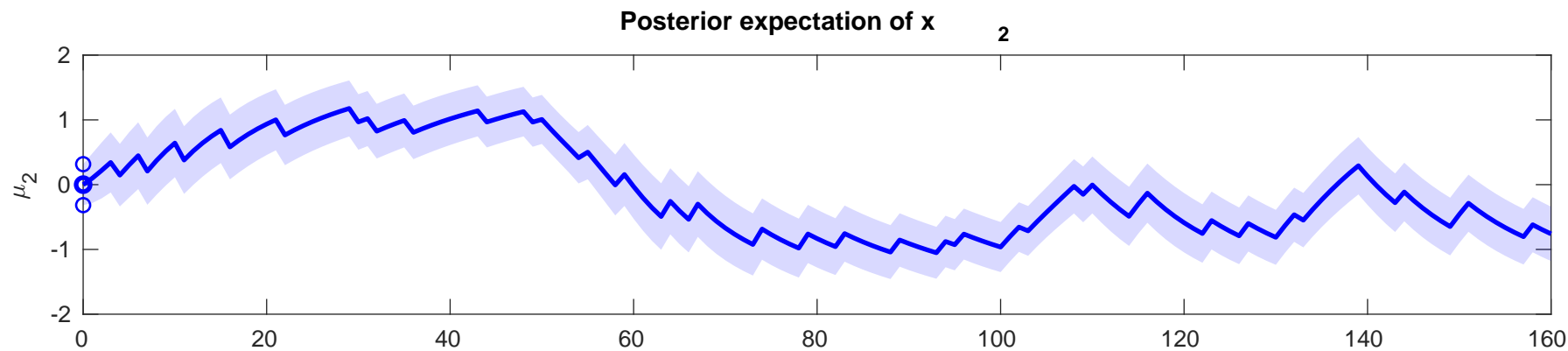
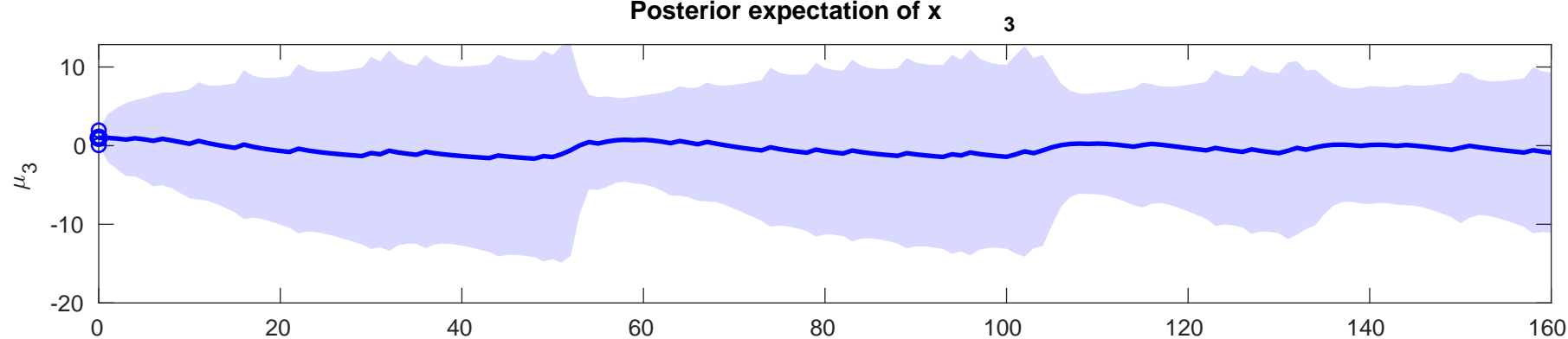
2



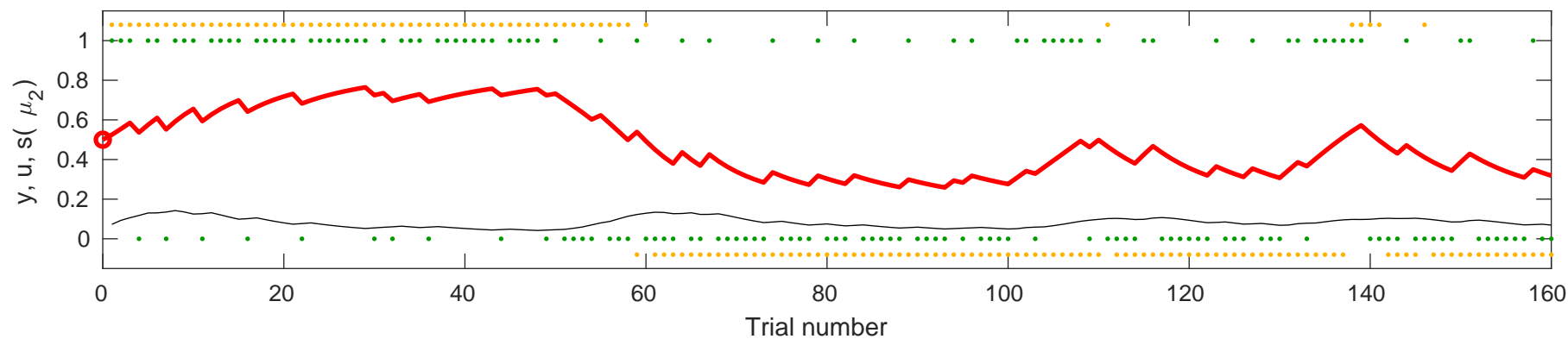
se y (orange), input u (green), learning rate (fine black), and posterior expectation of input s (

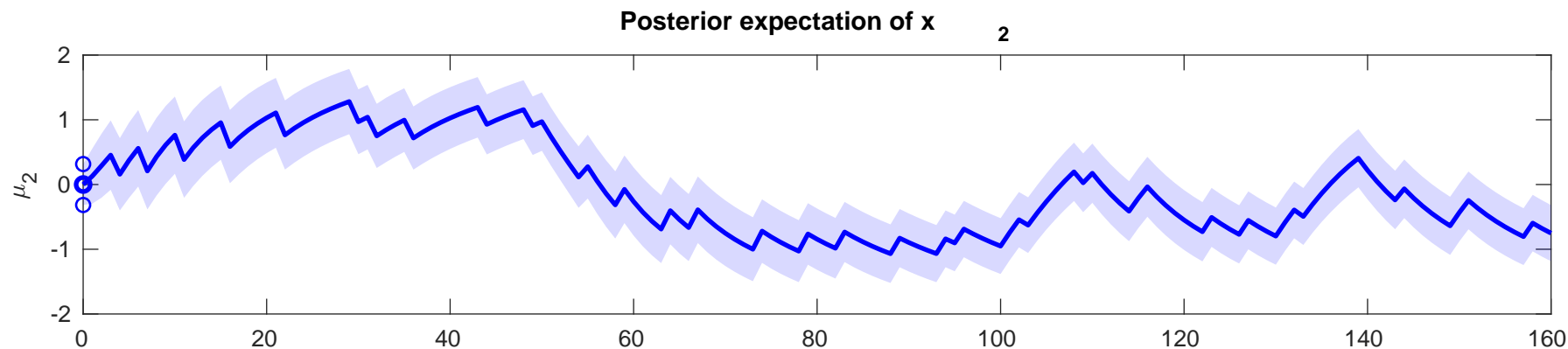
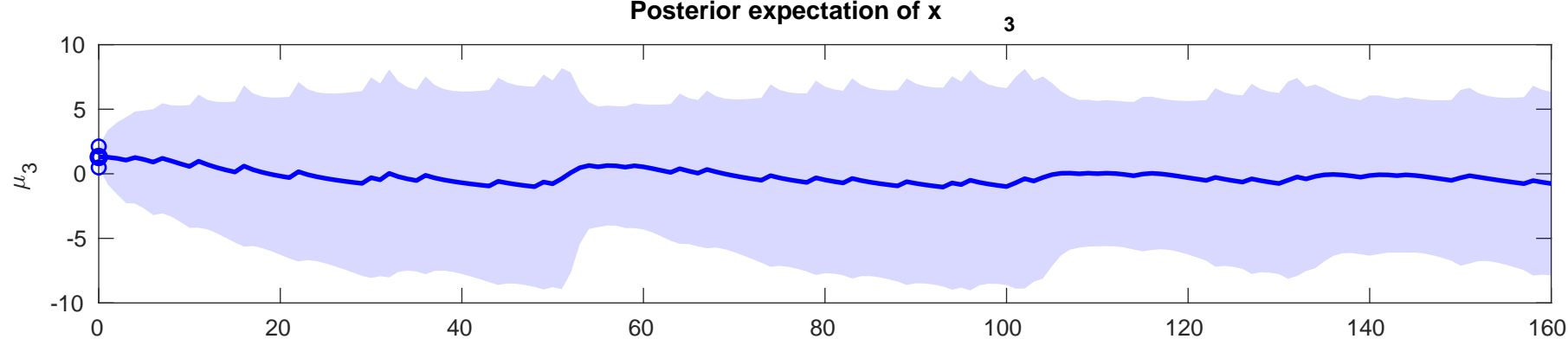
μ_2) (red) for $\rho=0$, $\kappa=1$, $\omega=-3.2149$



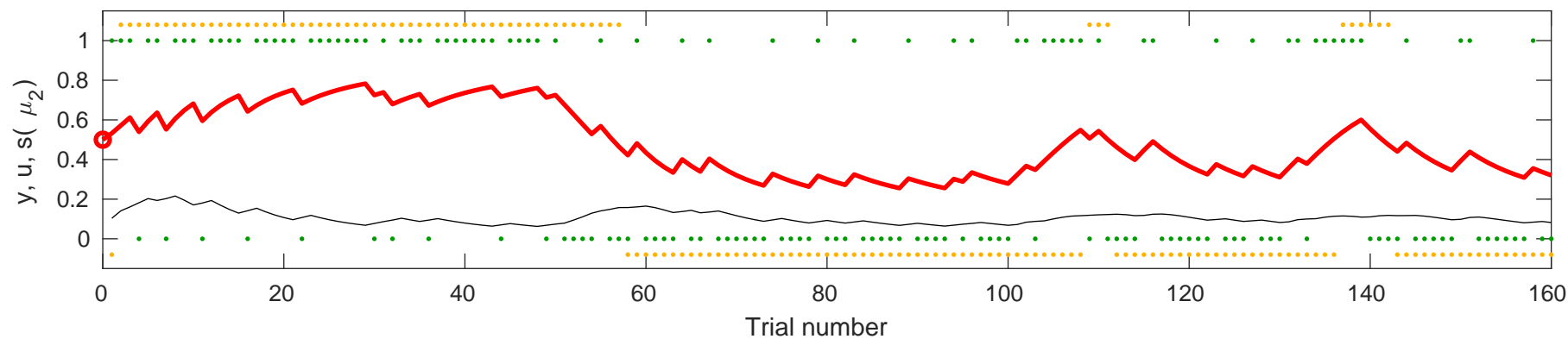


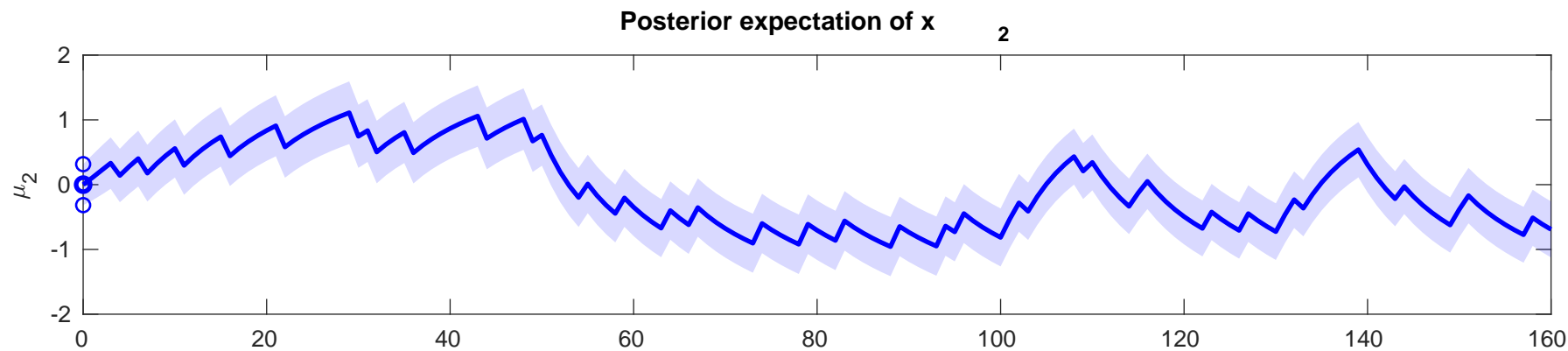
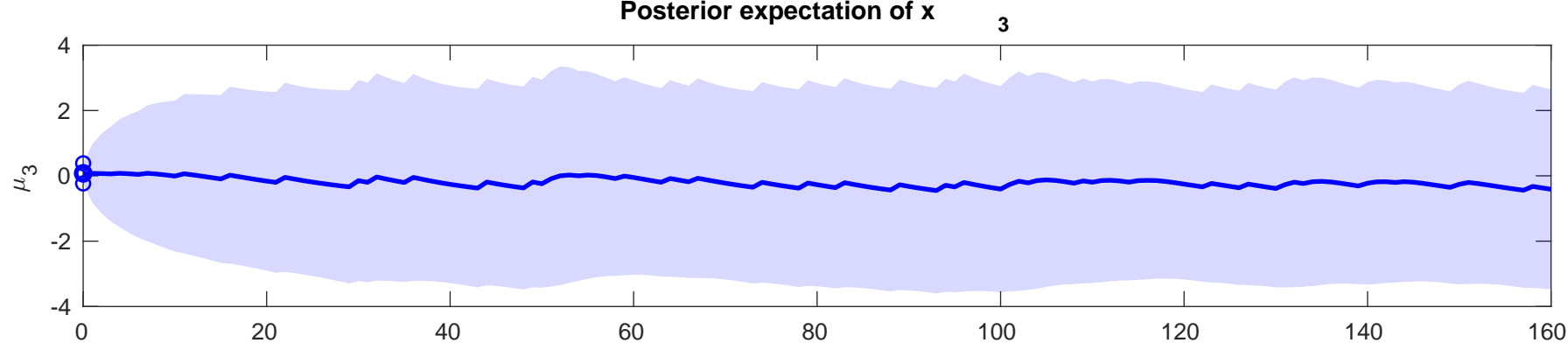
se y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0$, $\kappa=1$, $\omega=-3.8554$



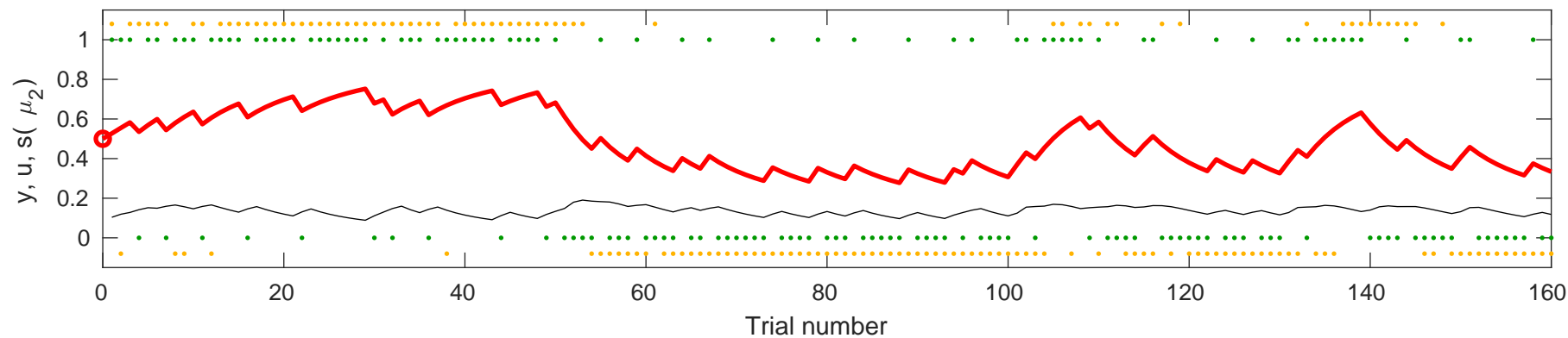


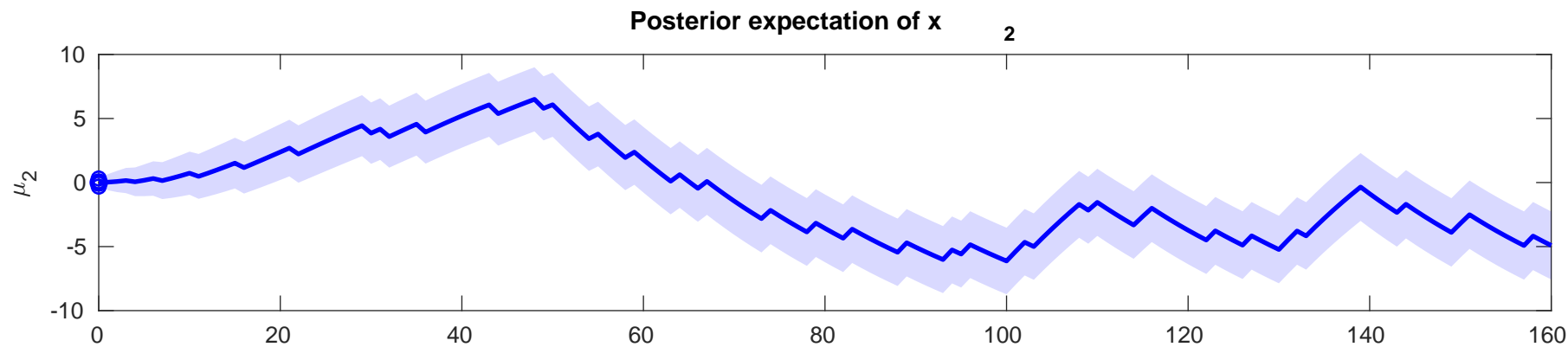
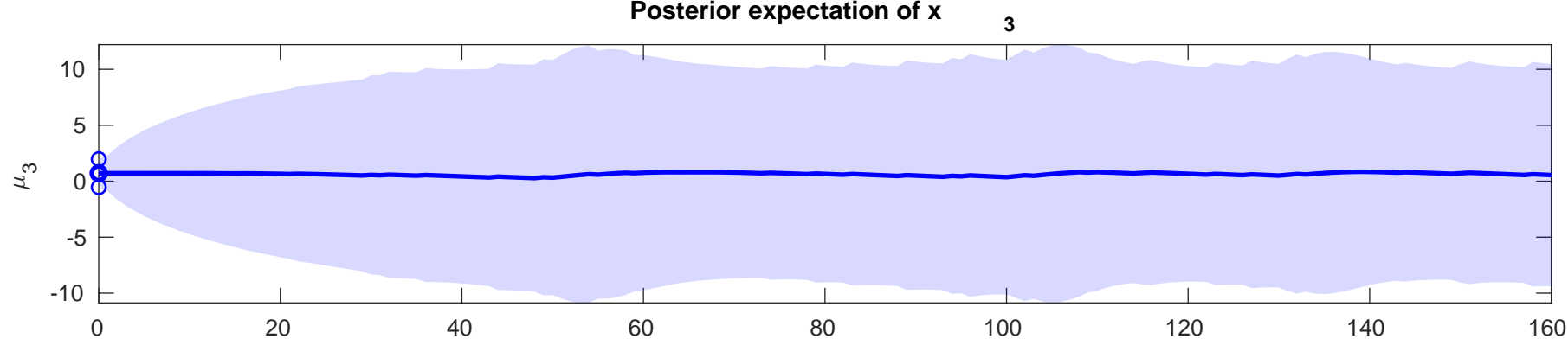
use y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0$, $\kappa=1$, $\omega=-3.5992$



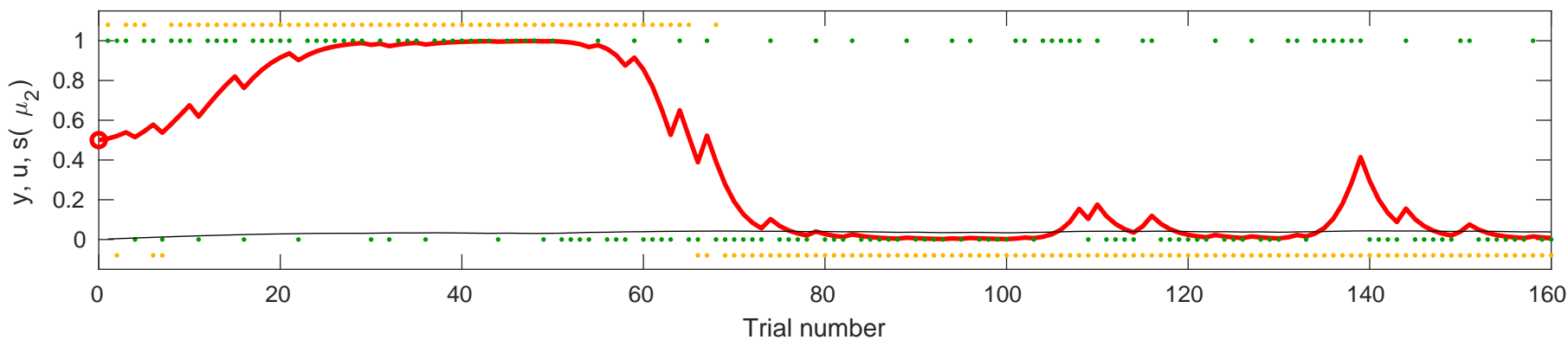


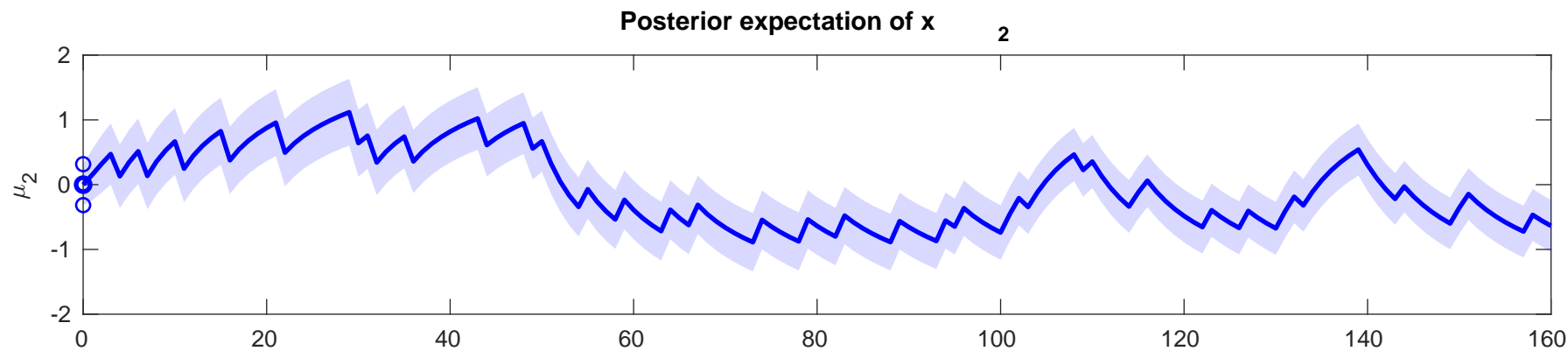
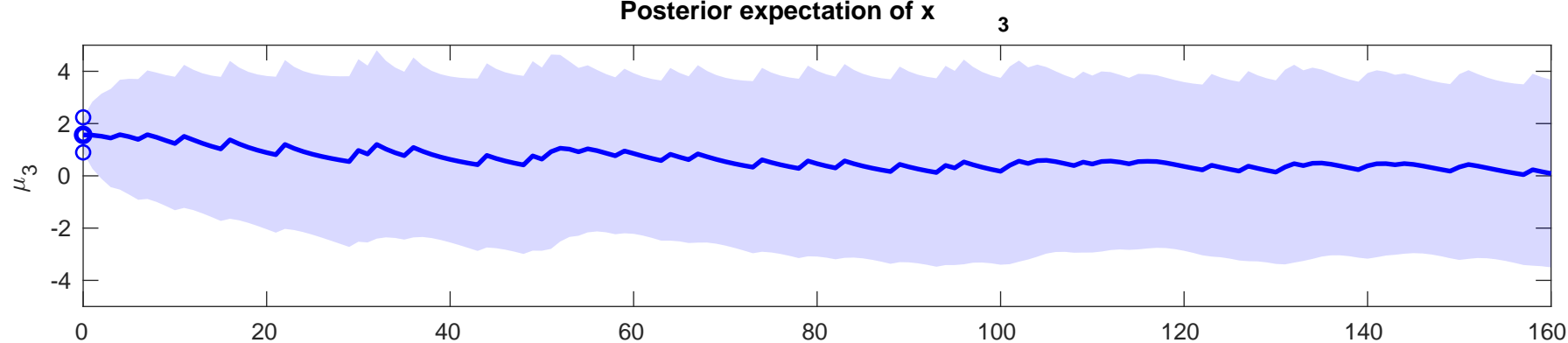
se y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0$, $\kappa=1$, $\omega=-3.3921$



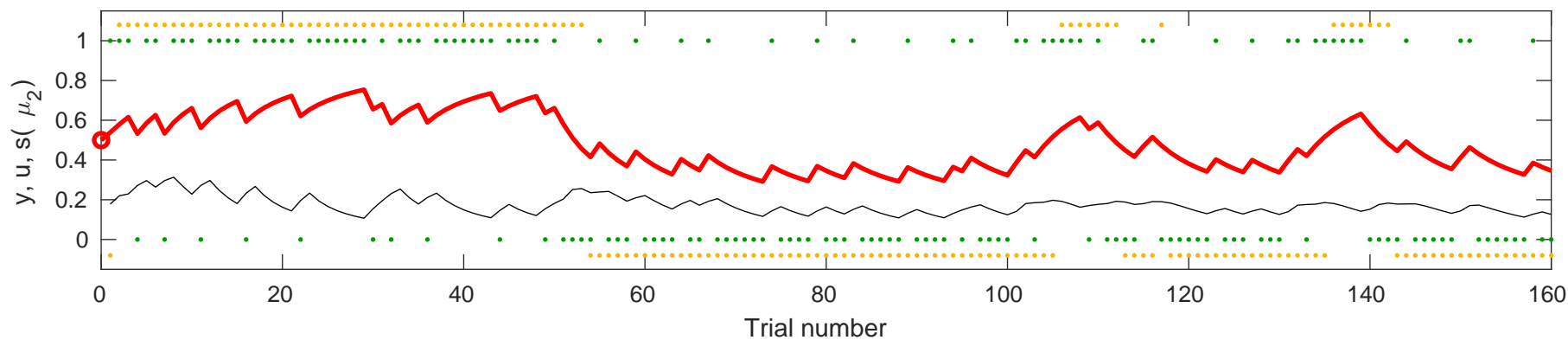


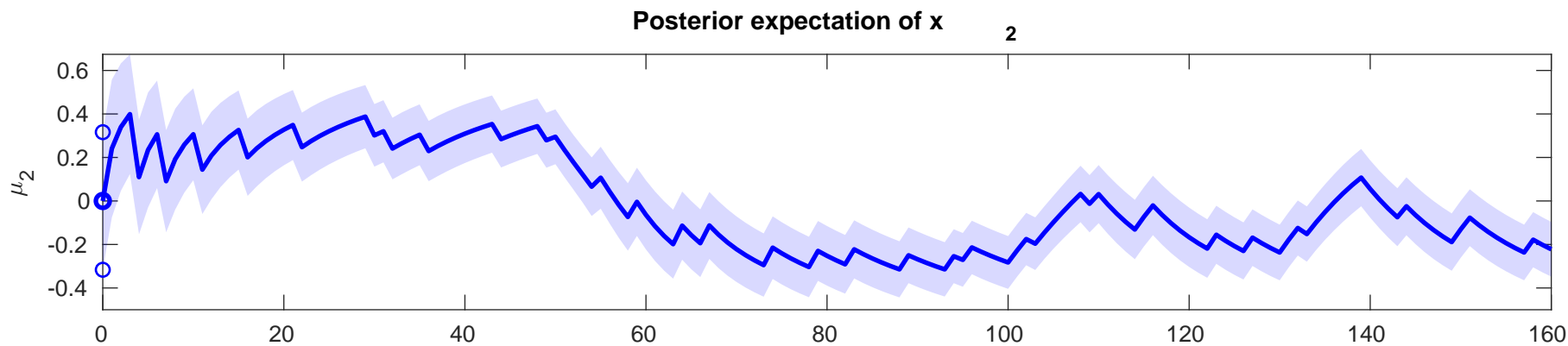
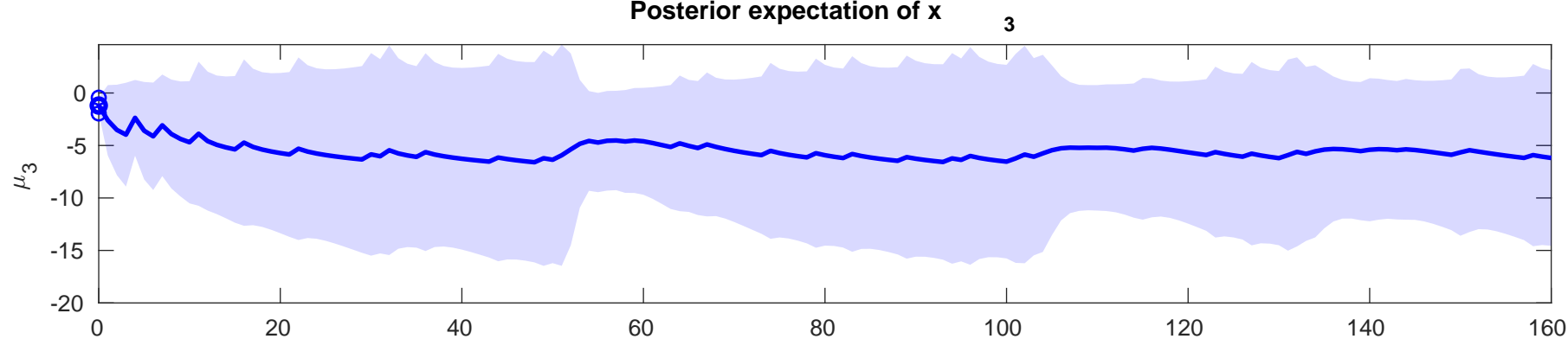
se y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0$, $\kappa=1$, $\omega=-1.9427$



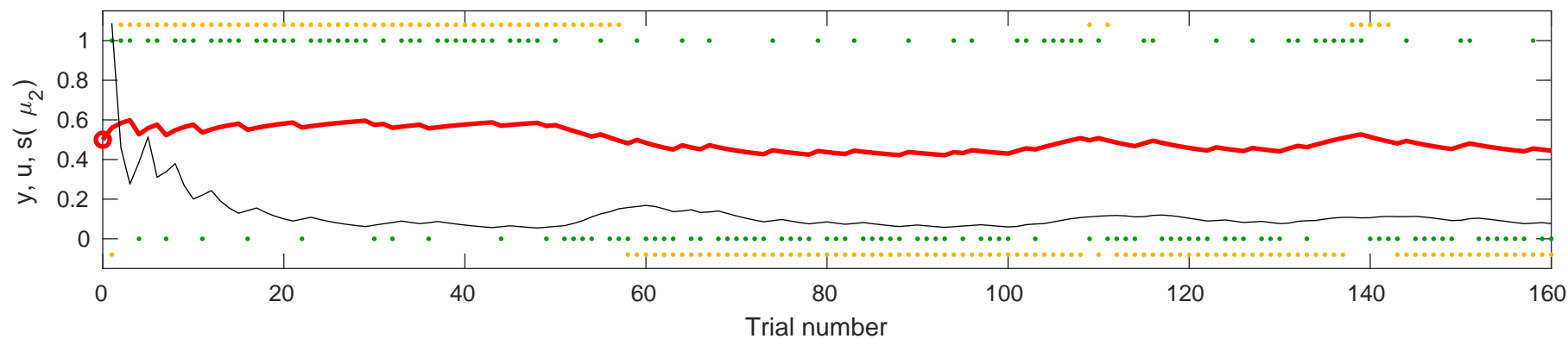


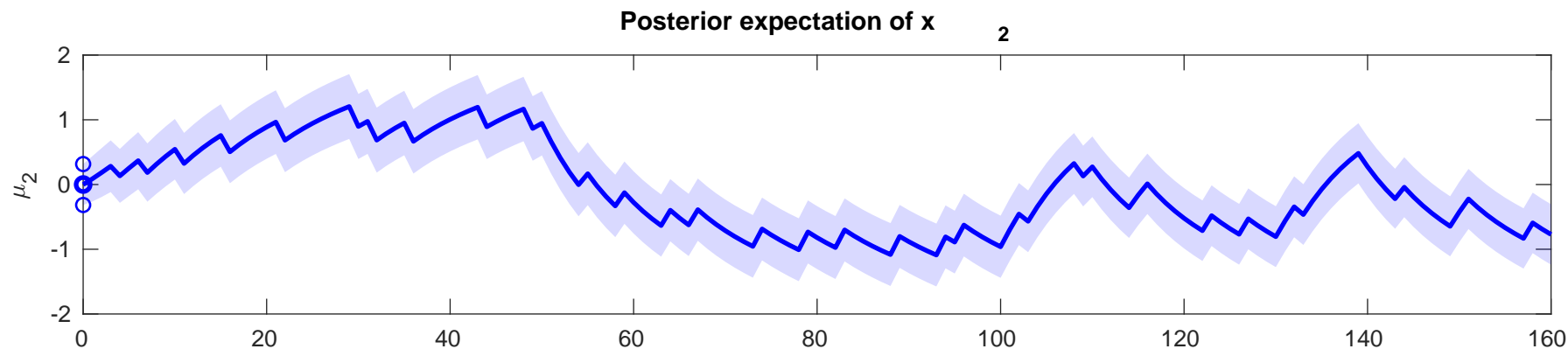
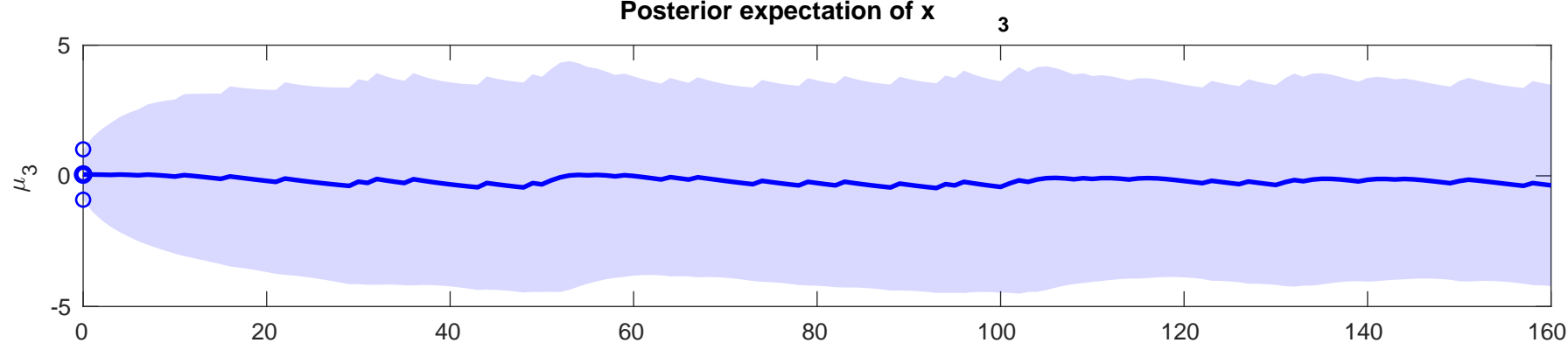
se y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0.0$, $\kappa=1$, $\omega=-4.0277$



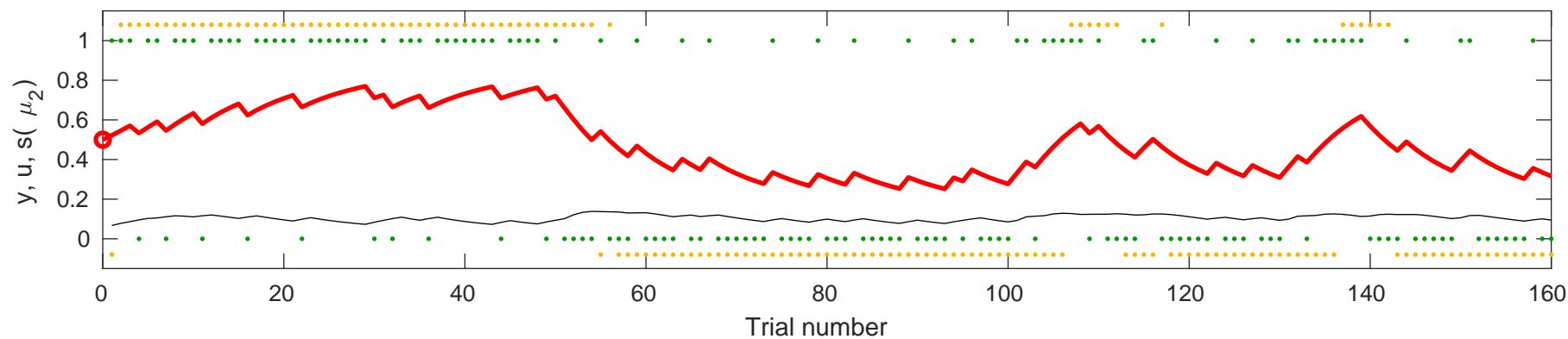


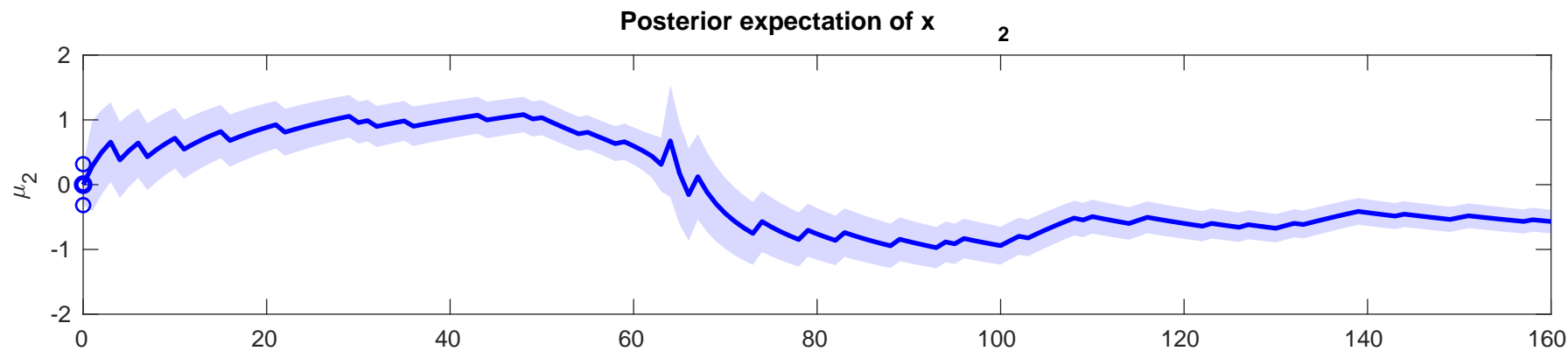
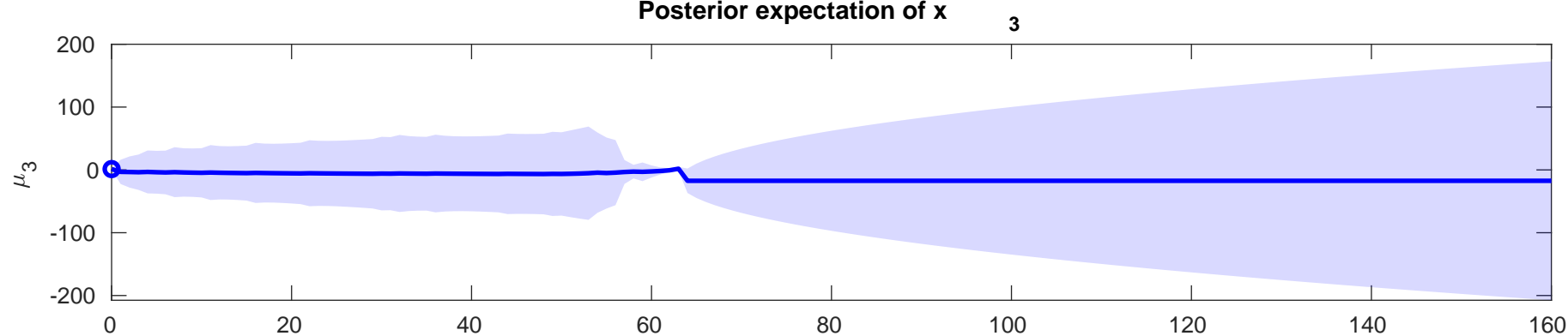
the y (orange), input u (green), learning rate (fine black), and posterior expectation of input s(μ_2) (red) for $\rho=0$, $\kappa=1$, $\omega=-0.78436$



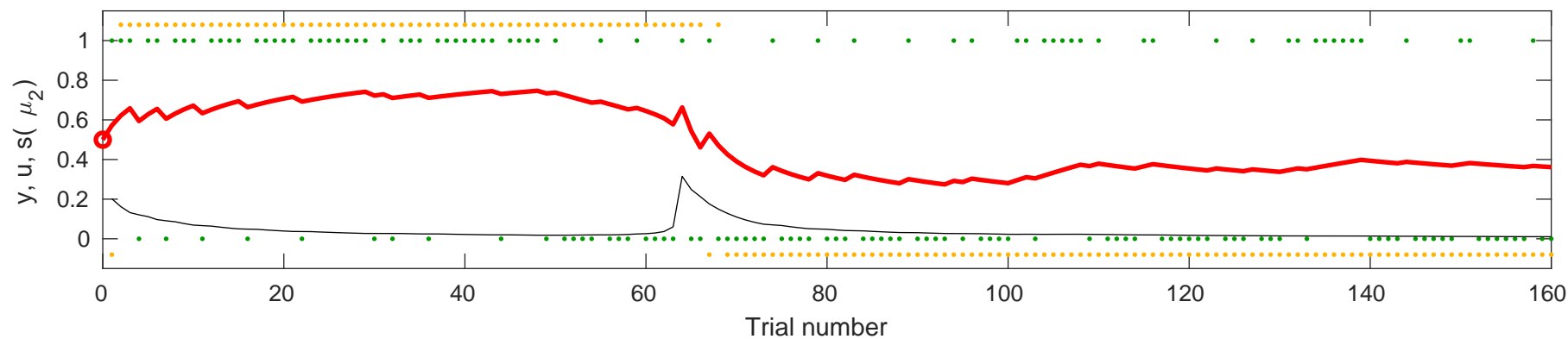


se y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0.0$, $\kappa=1$, $\omega=-3.5234$



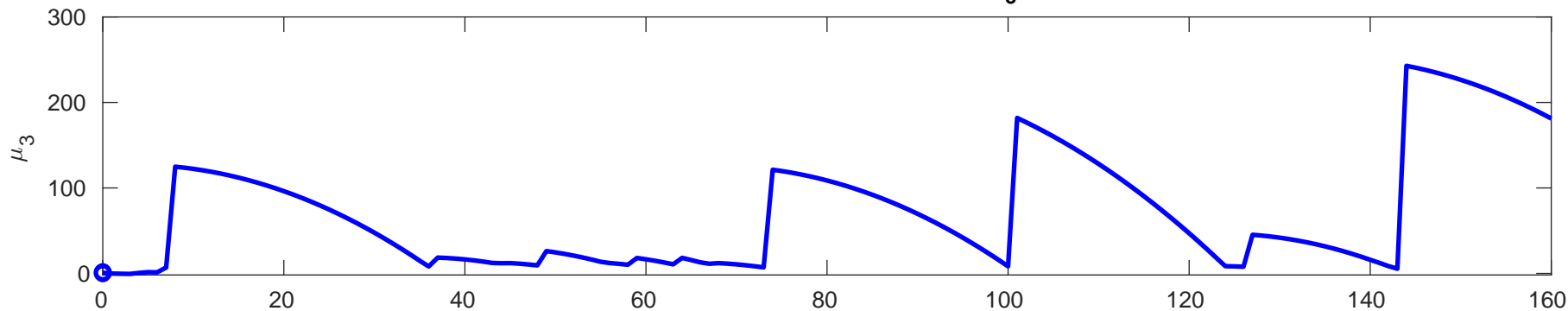


use y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0$, $\kappa=1$, $\omega=-2.0064$

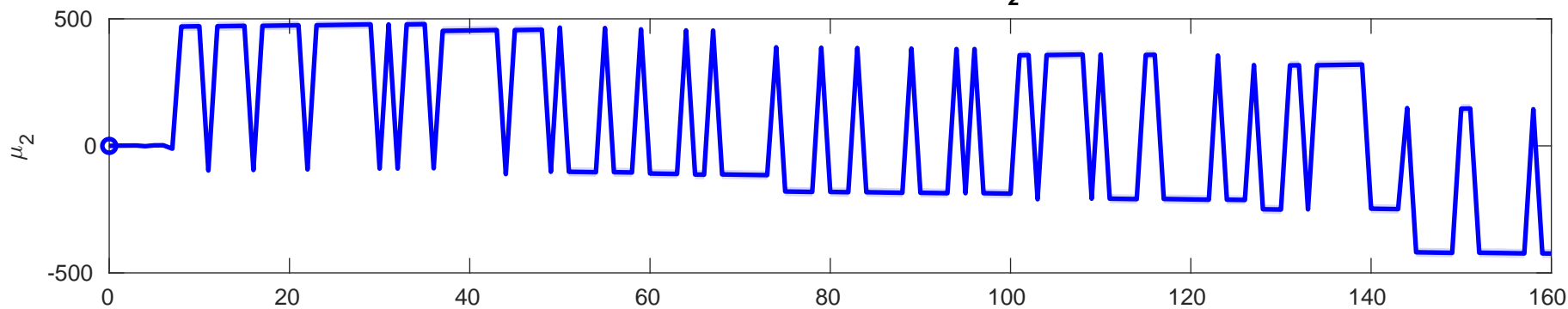
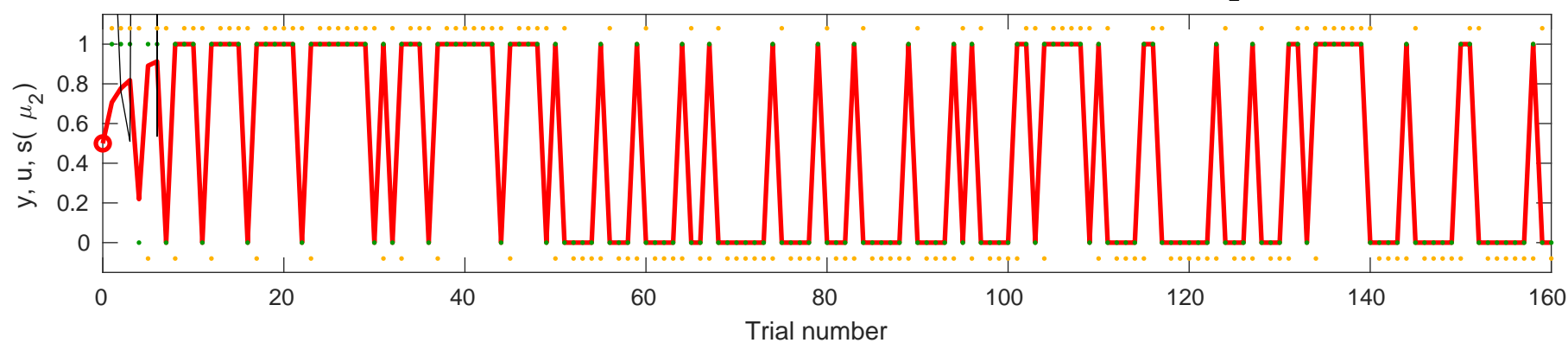


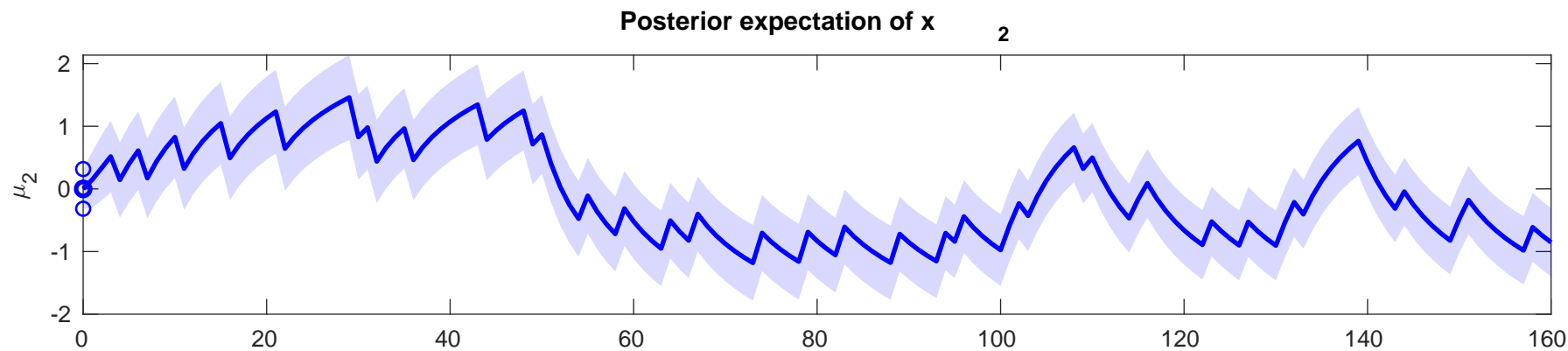
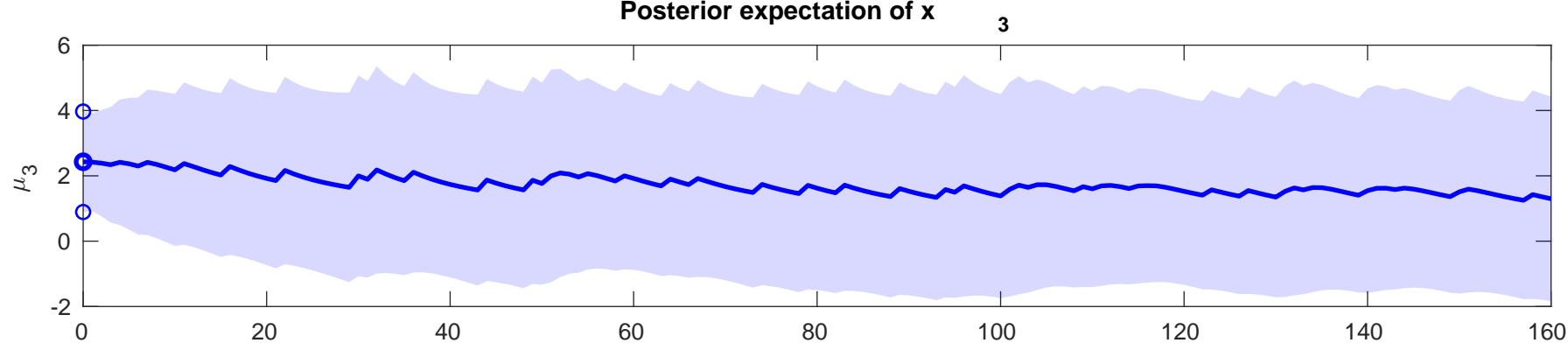
Posterior expectation of x

3

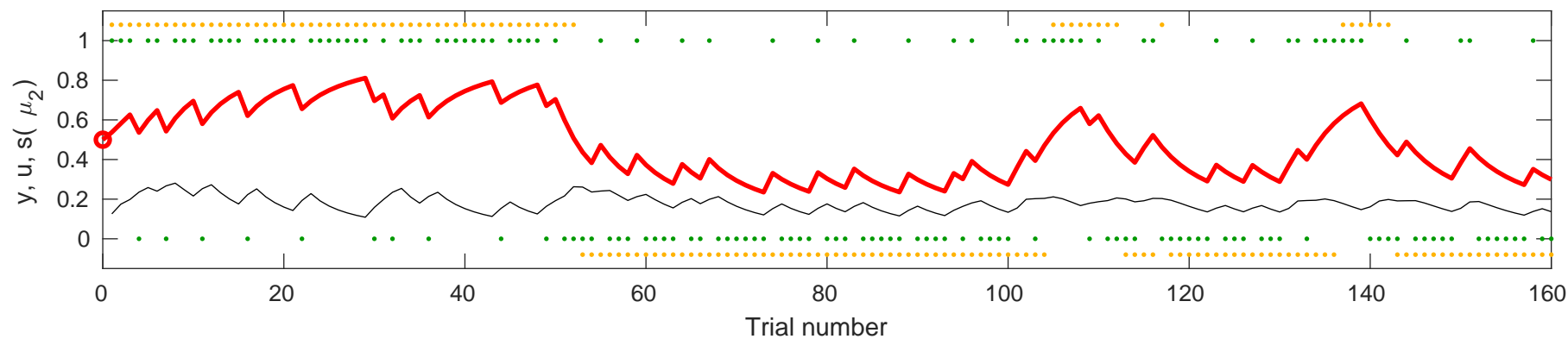
Posterior expectation of x

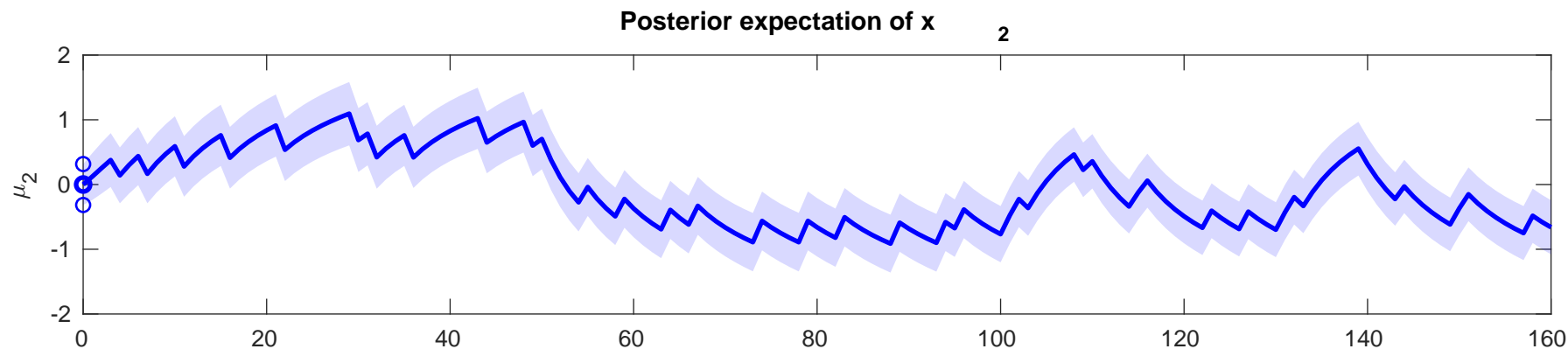
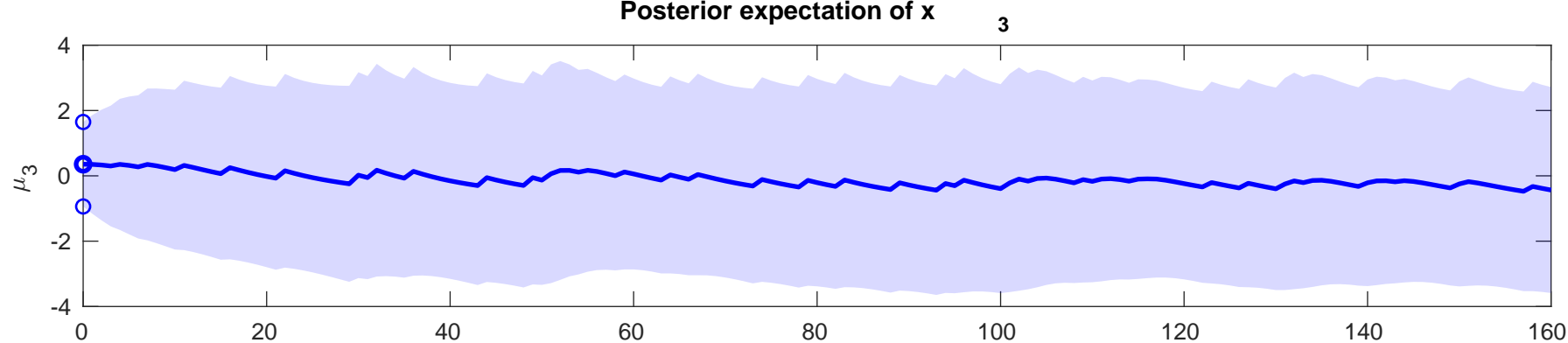
2

e y (orange), input u (green), learning rate (fine black), and posterior expectation of input s (μ_2) (red) for $\rho=0$, $\kappa=1$, $\omega=0.57306$ 

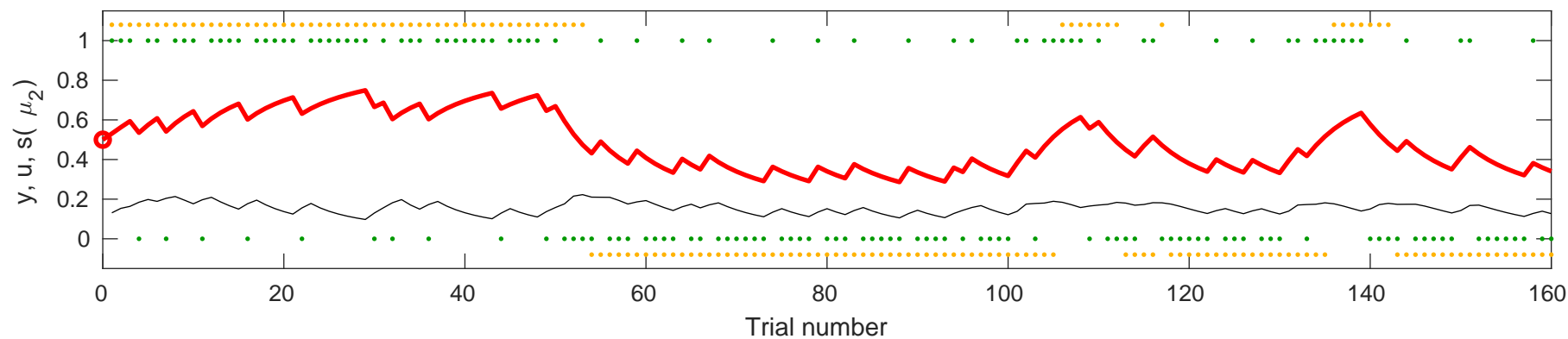


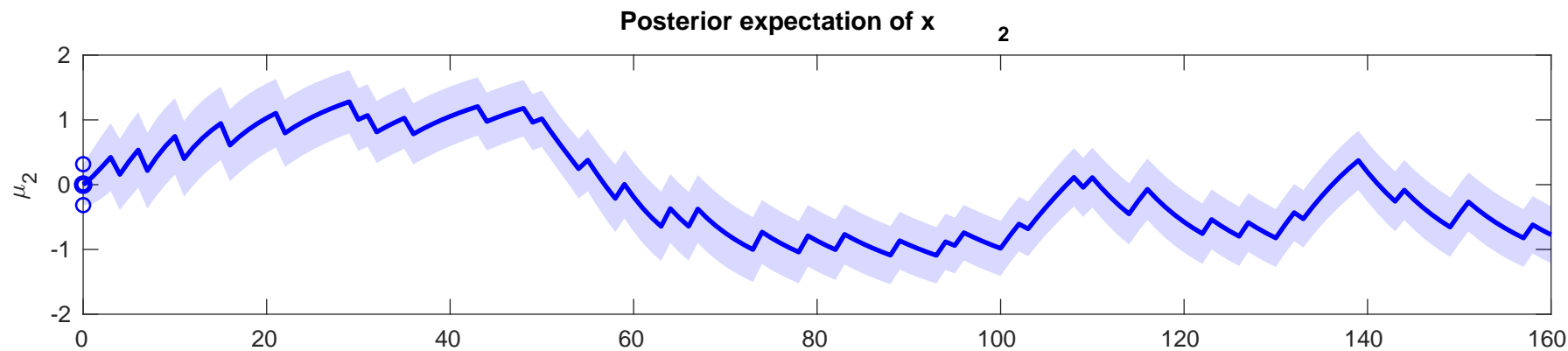
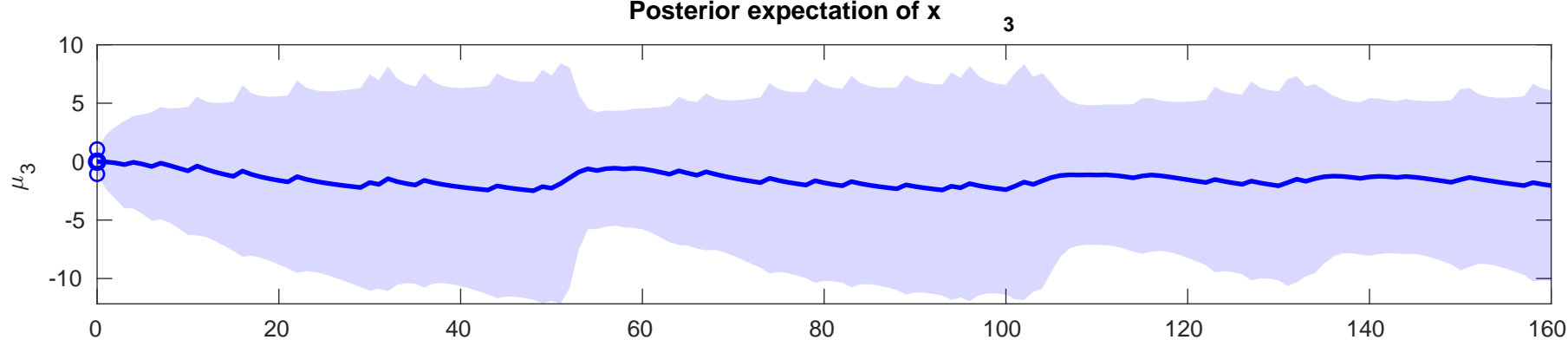
se y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0$, $\kappa=1$, $\omega=-4.516$



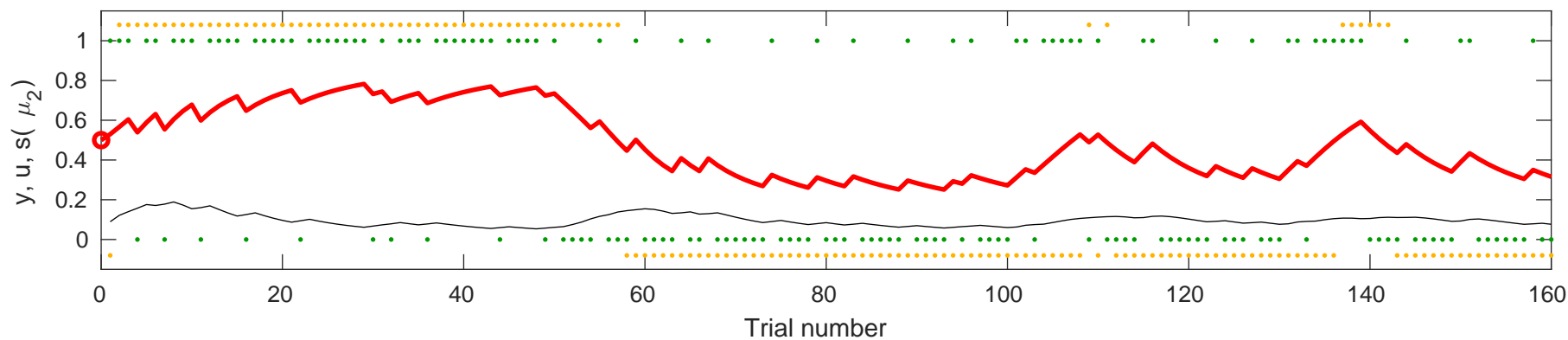


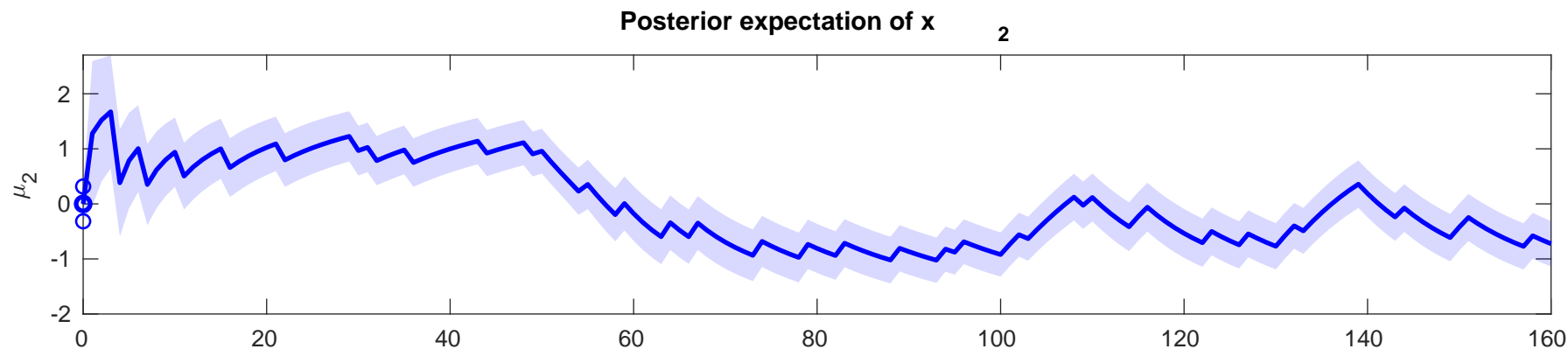
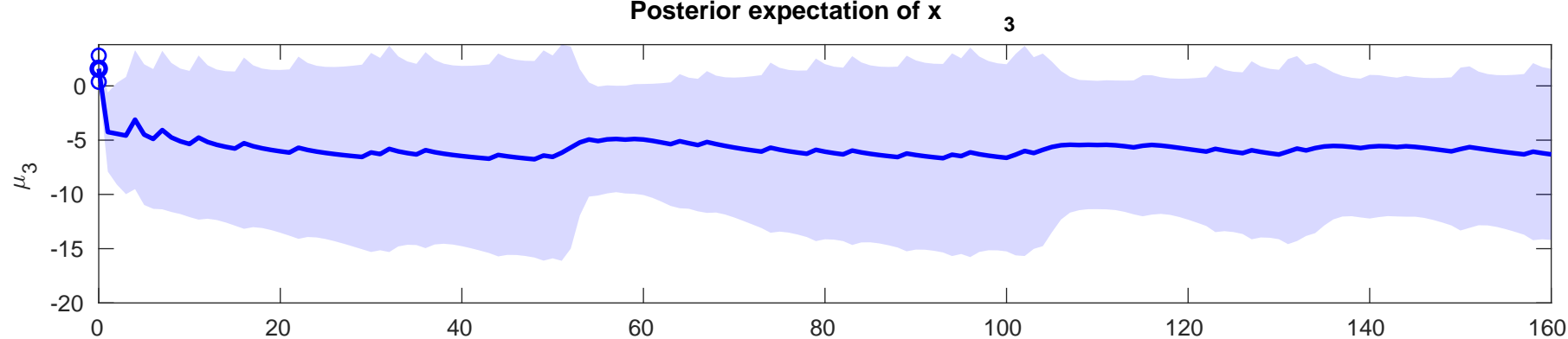
output y (orange), input u (green), learning rate (fine black), and posterior expectation of input s (μ_2) (red) for $\rho=0$, $\kappa=1$, $\omega=-3.3814$



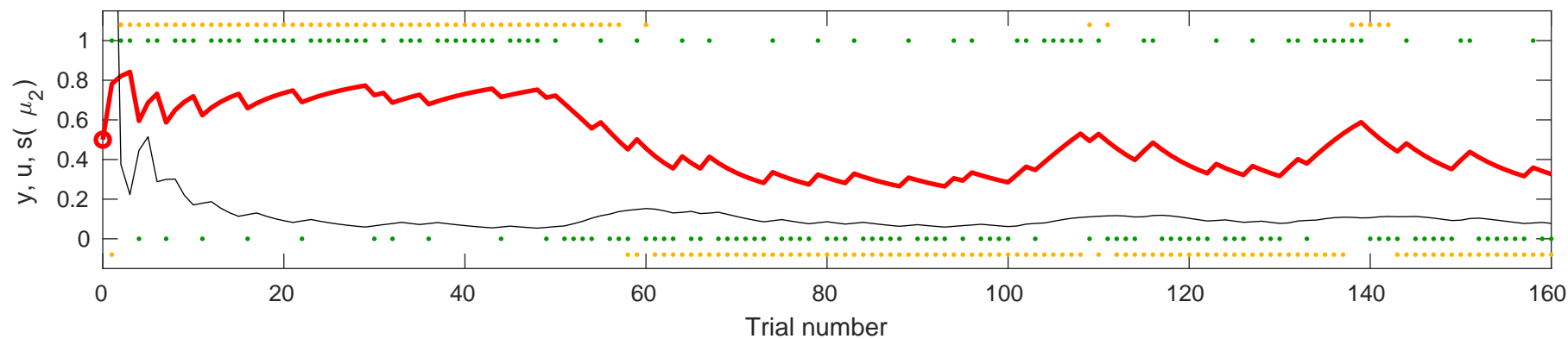


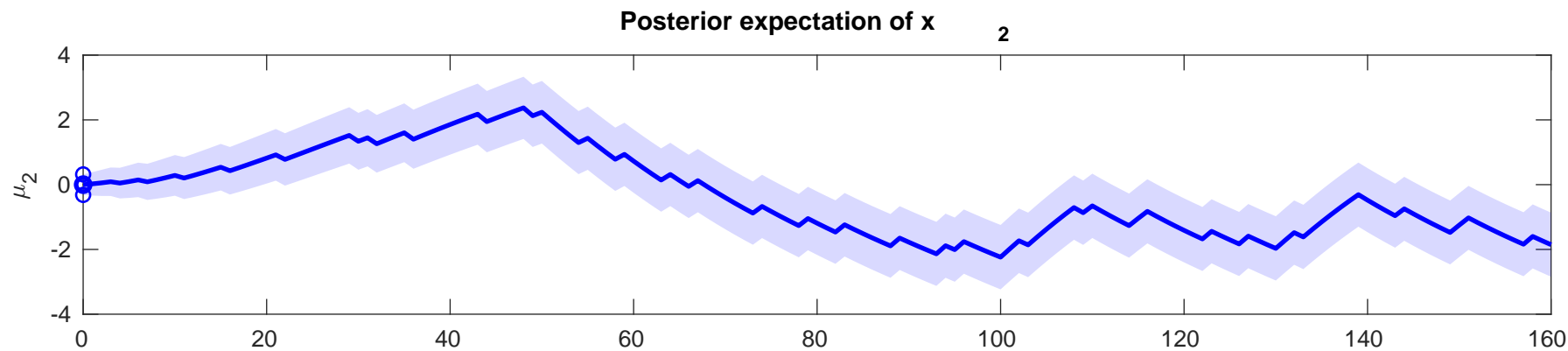
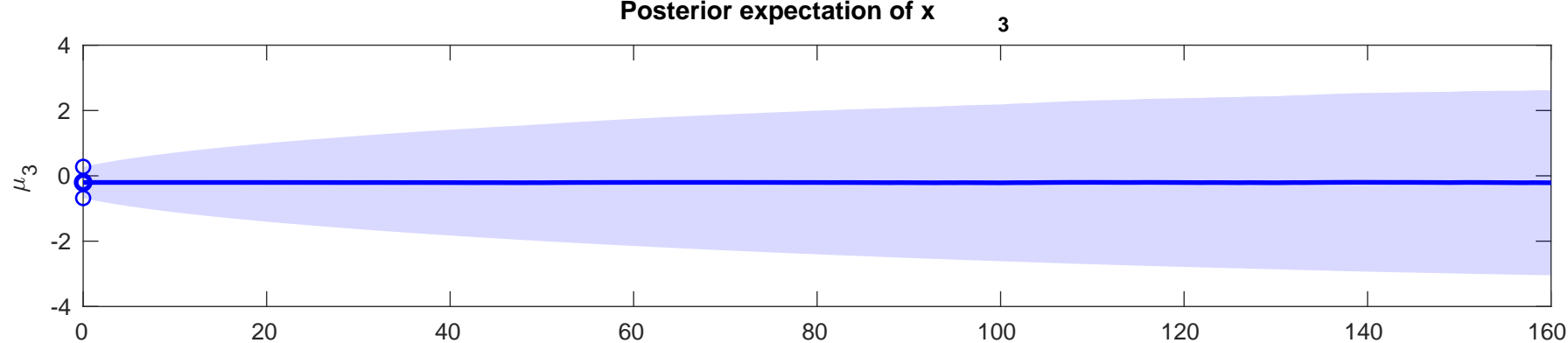
se y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0$, $\kappa=1$, $\omega=-2.4002$



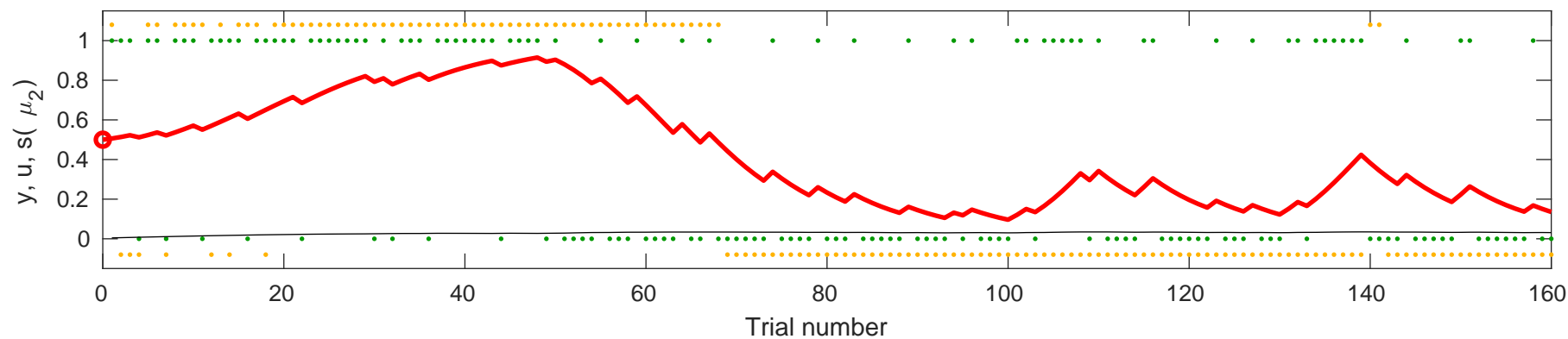


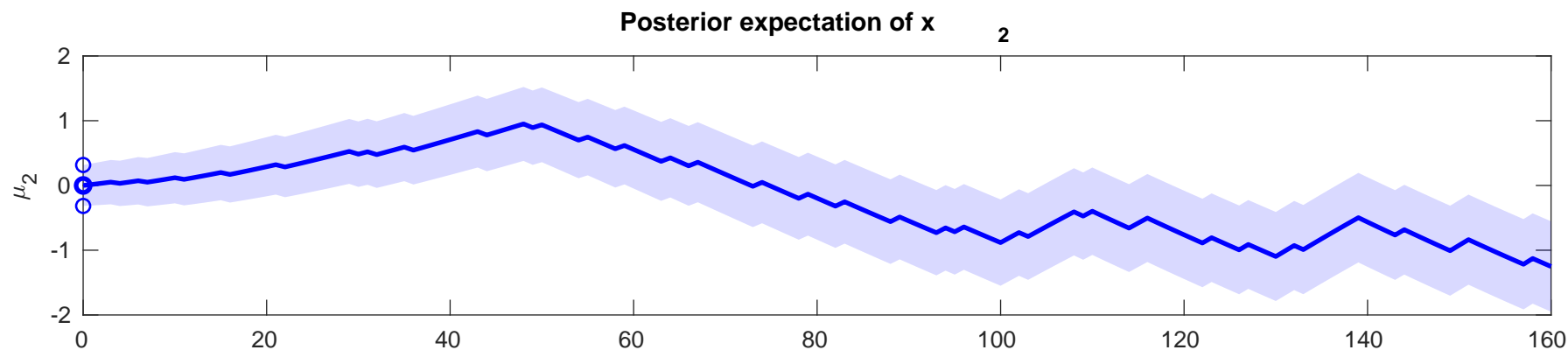
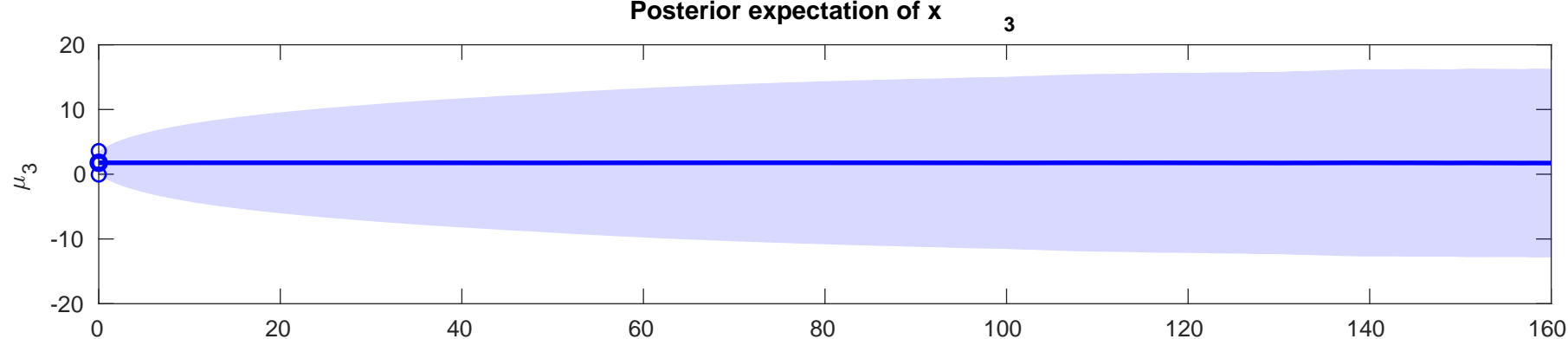
se y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0$, $\kappa=1$, $\omega=1.765$



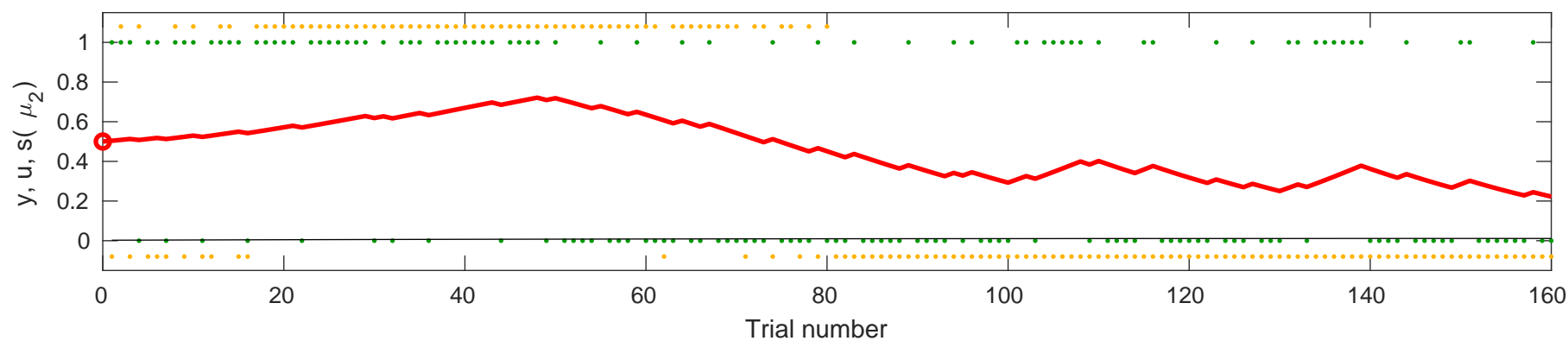


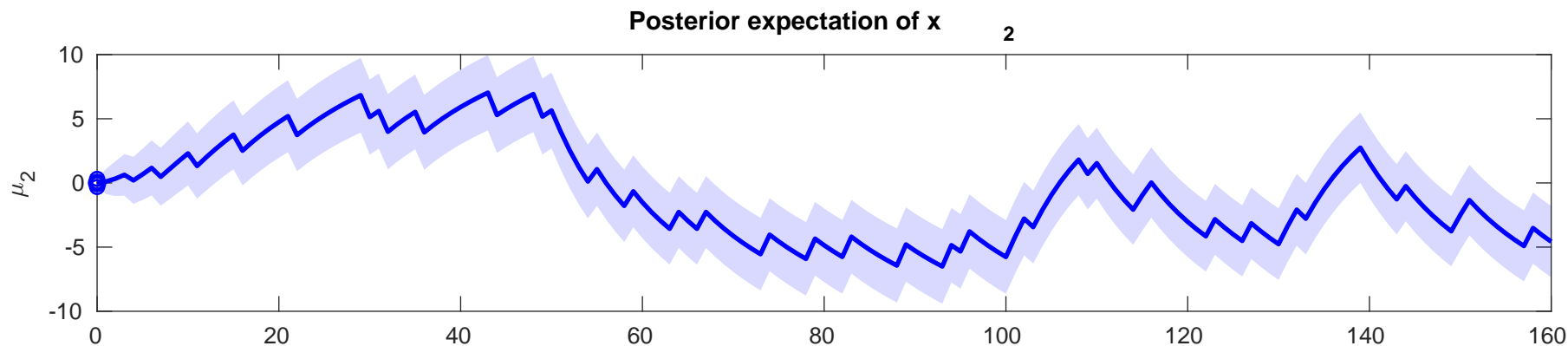
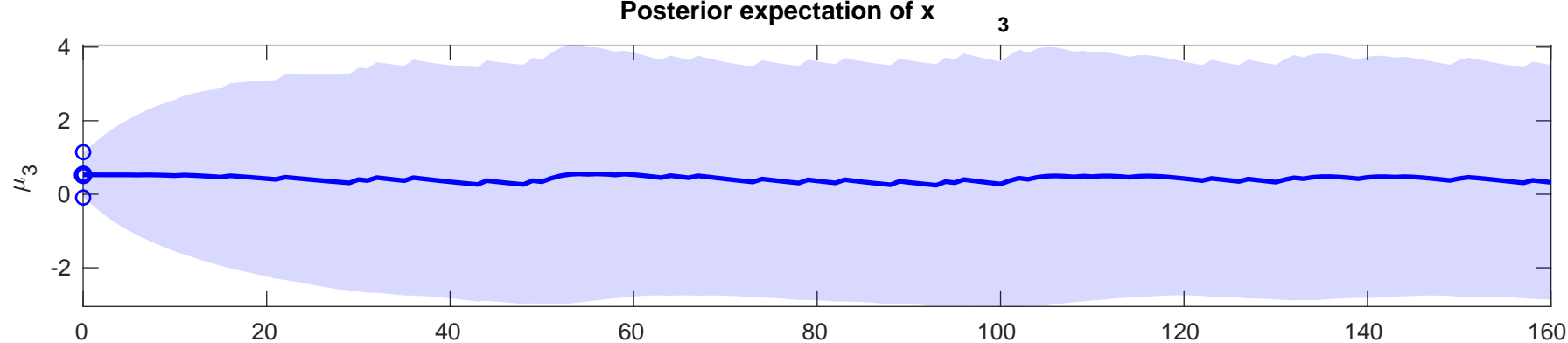
se y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0$, $\kappa=1$, $\omega=-3.2344$



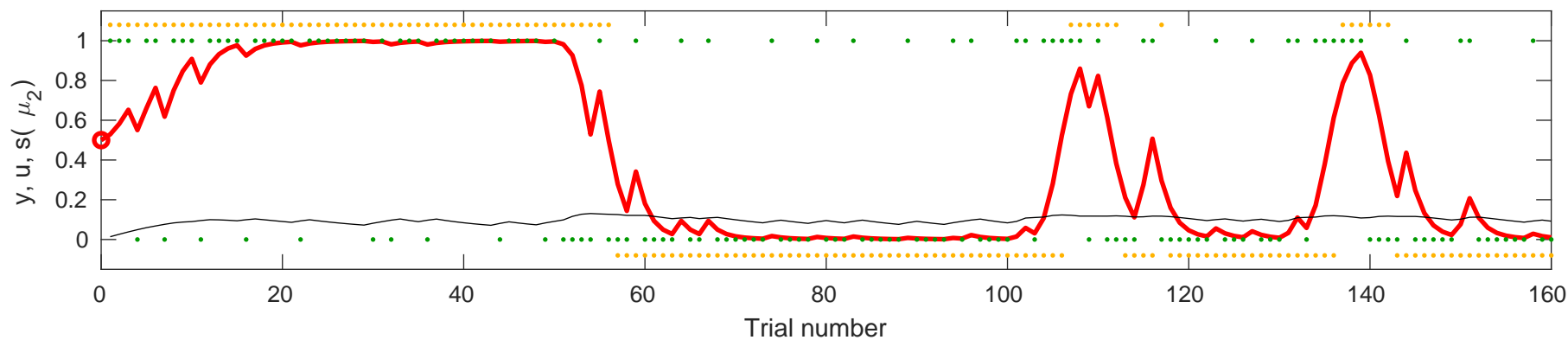


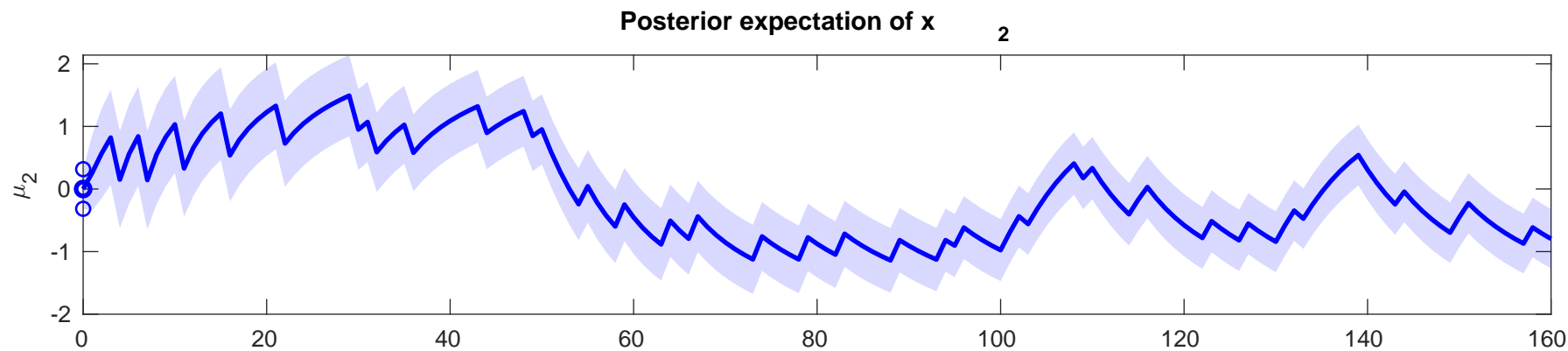
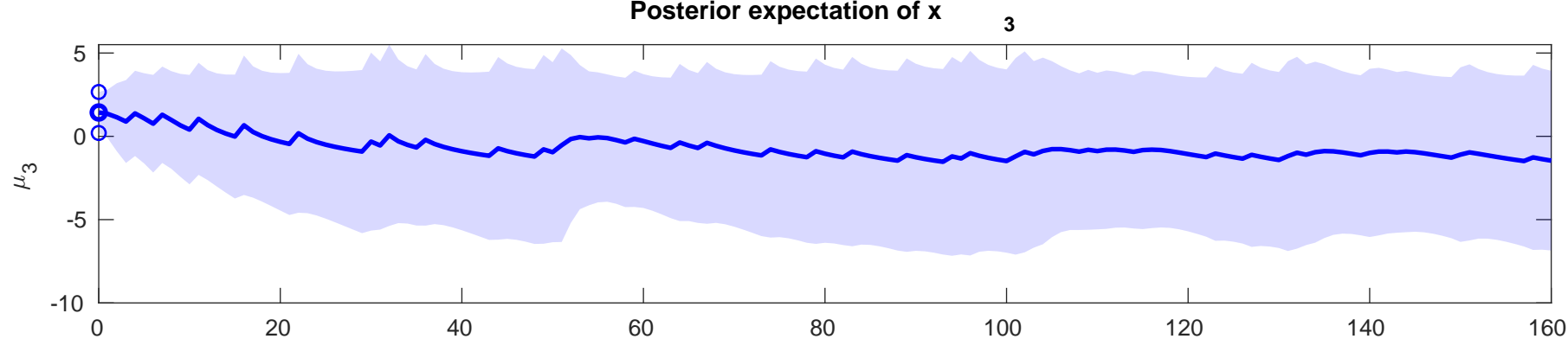
se y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0$, $\kappa=1$, $\omega=-6.8748$



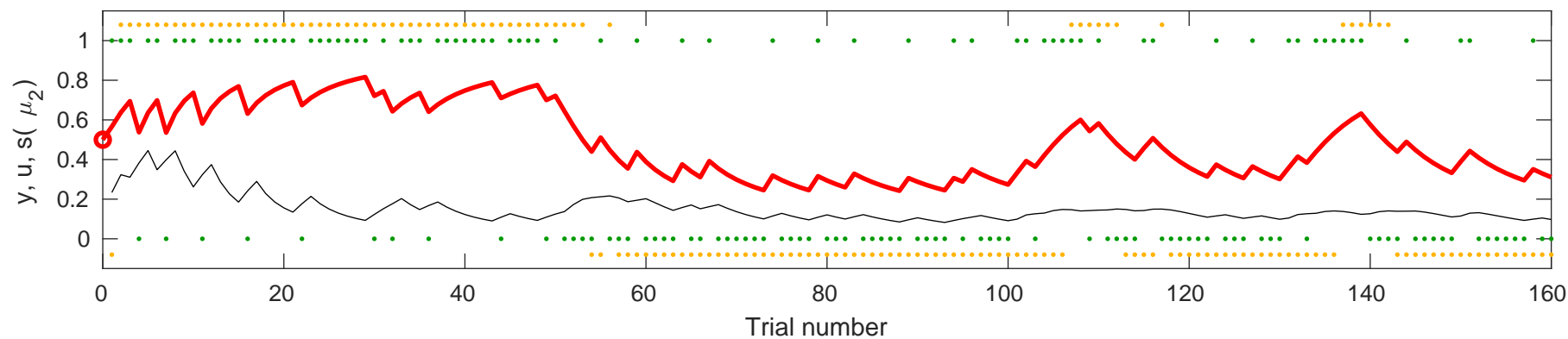


output y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0$, $\kappa=1$, $\omega=-0.63621$



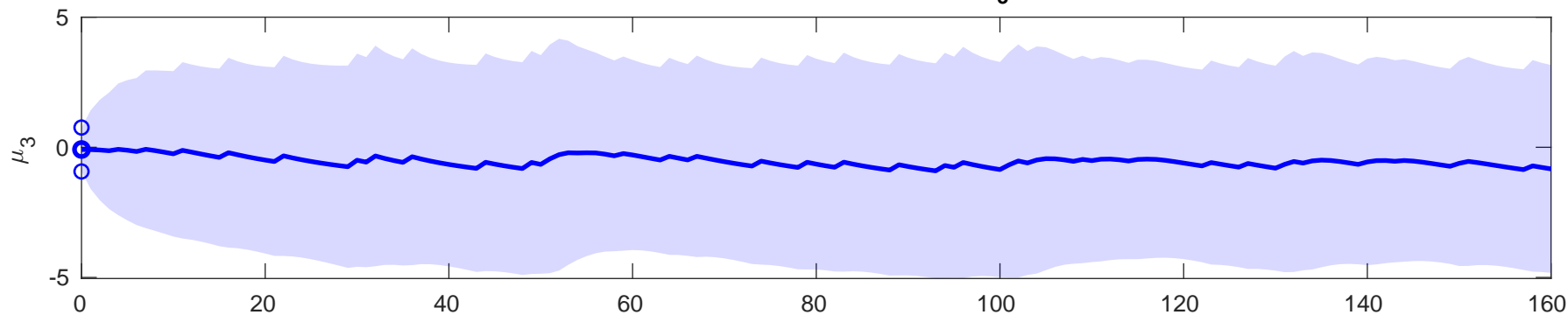


se y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0$, $\kappa=1$, $\omega=-2.4716$

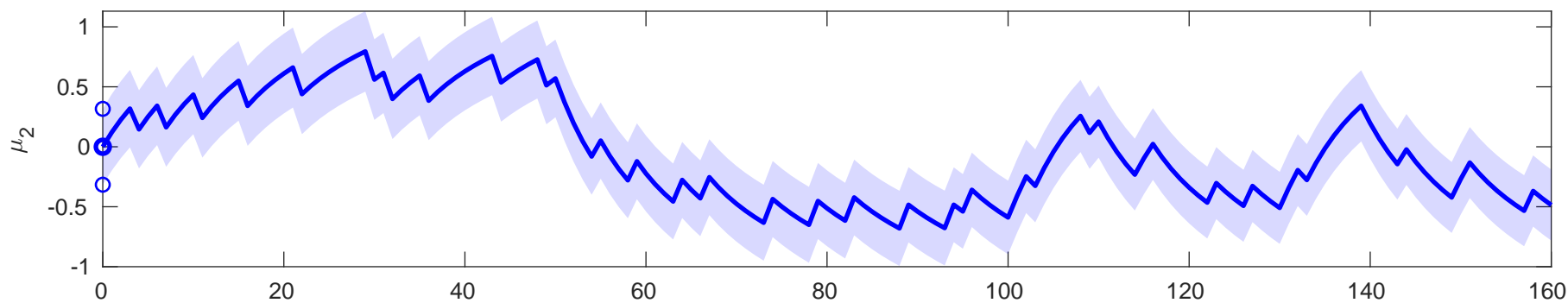


Posterior expectation of x

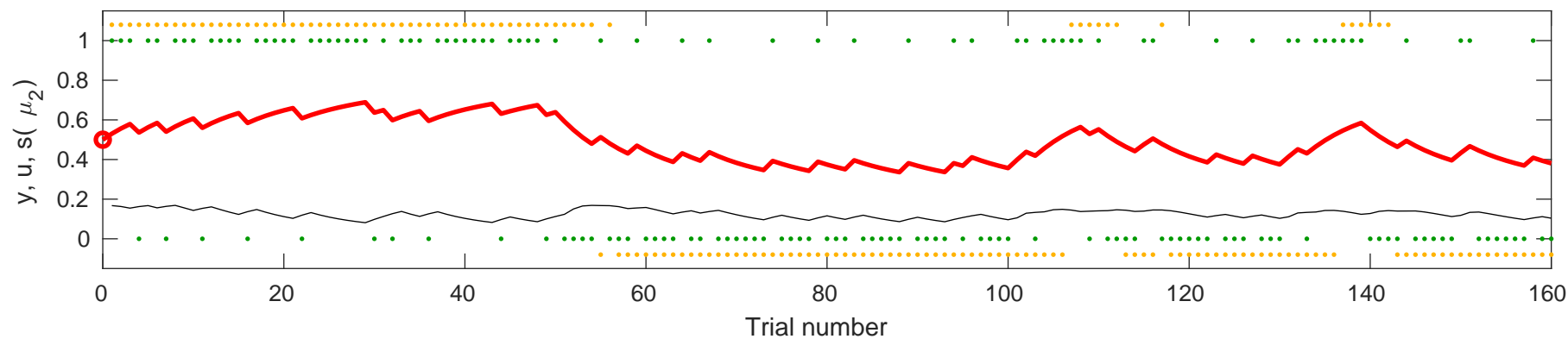
3

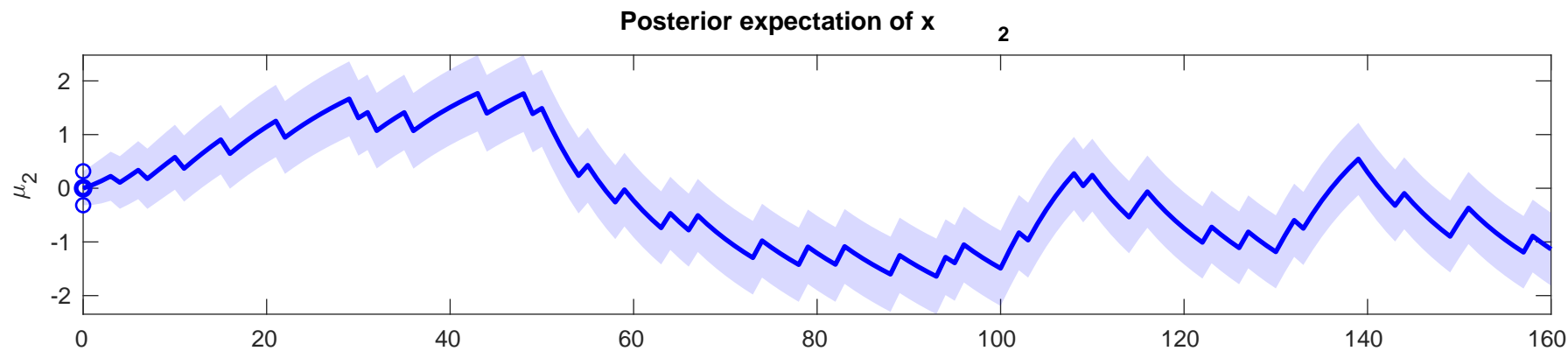
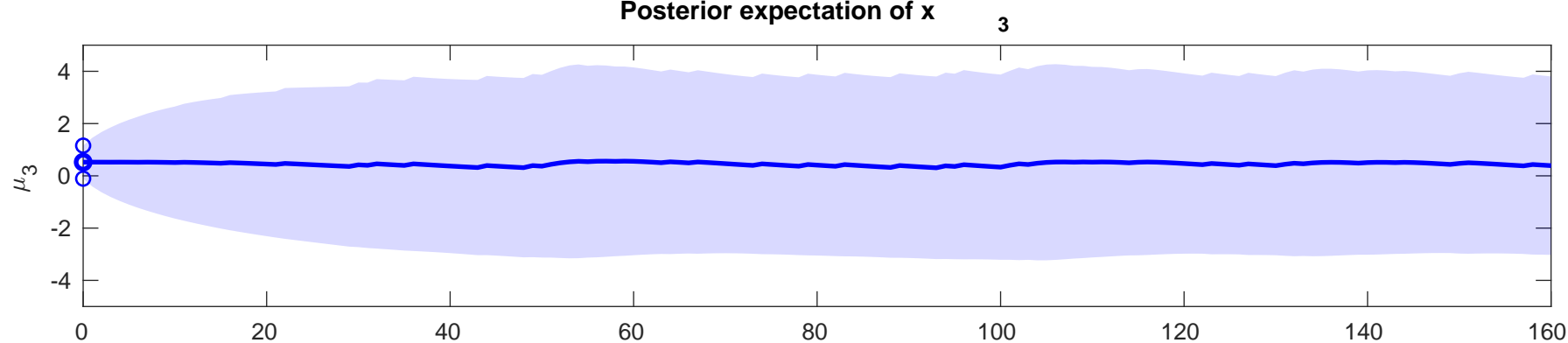
Posterior expectation of x

2

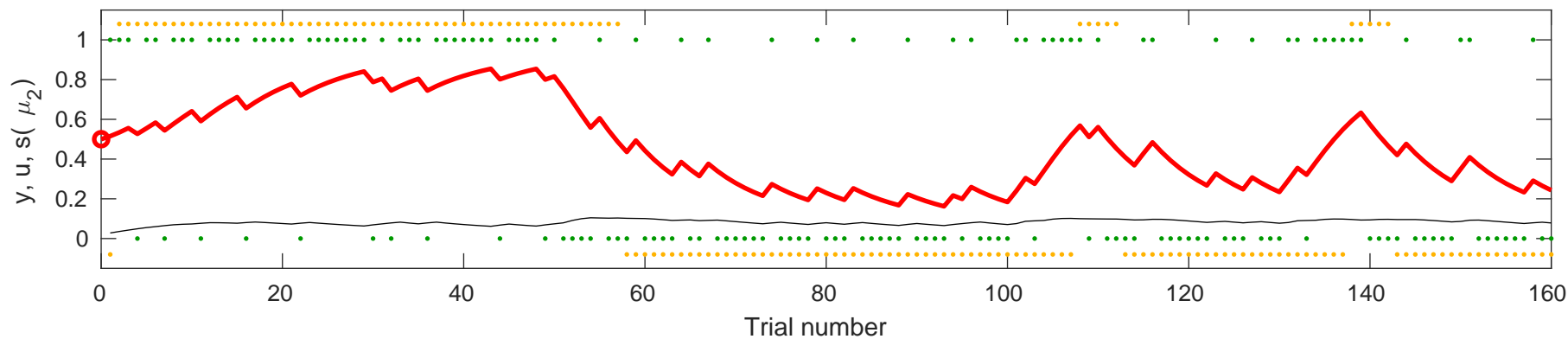


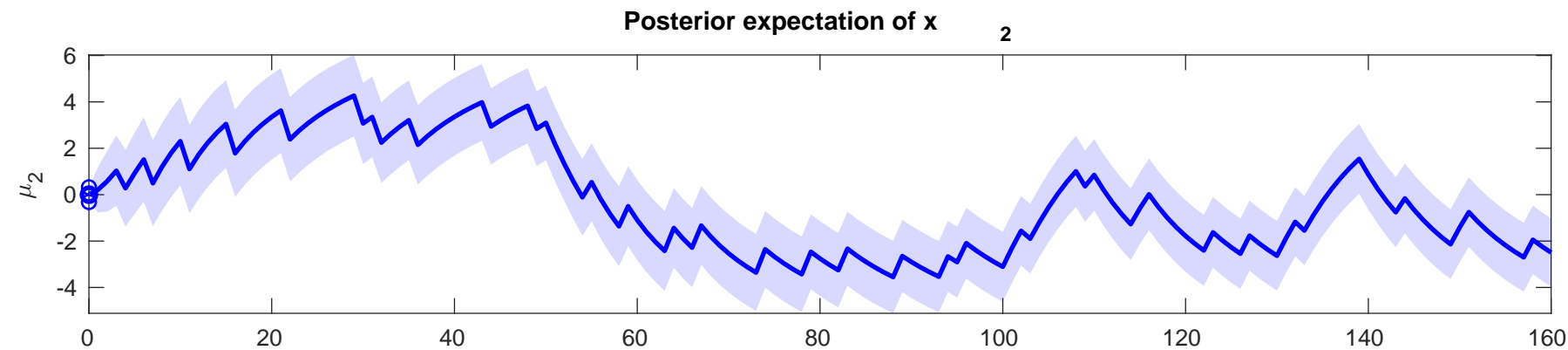
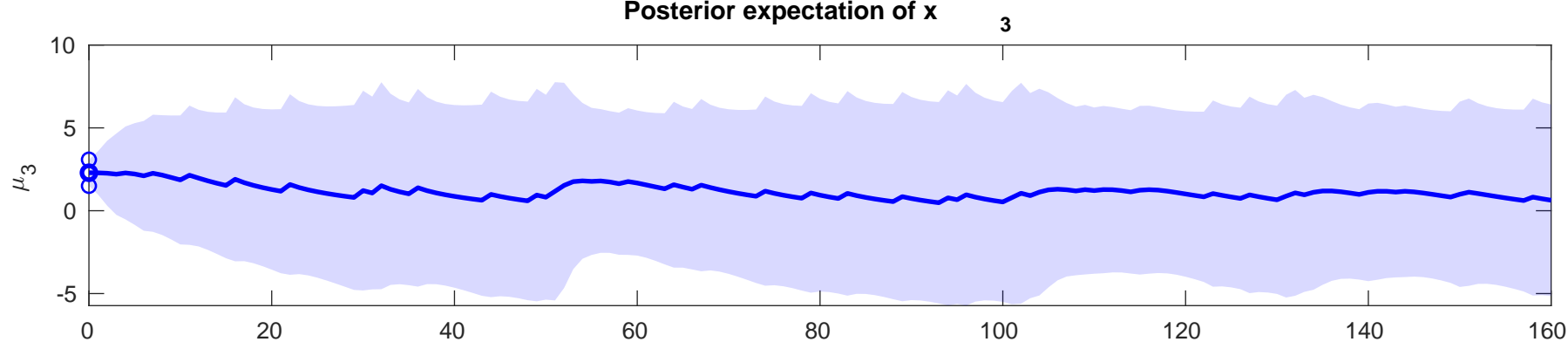
se y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0$, $\kappa=1$, $\omega=-3.8937$



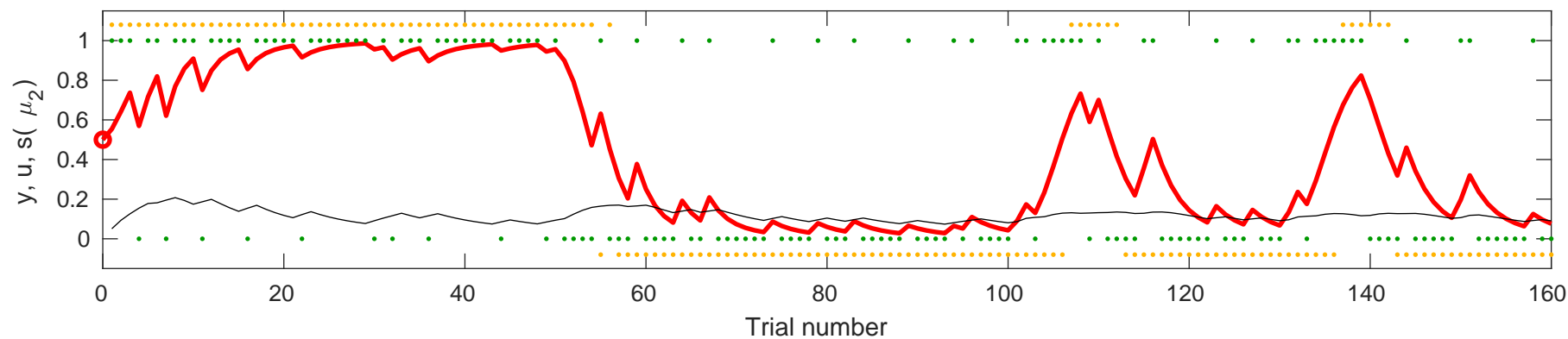


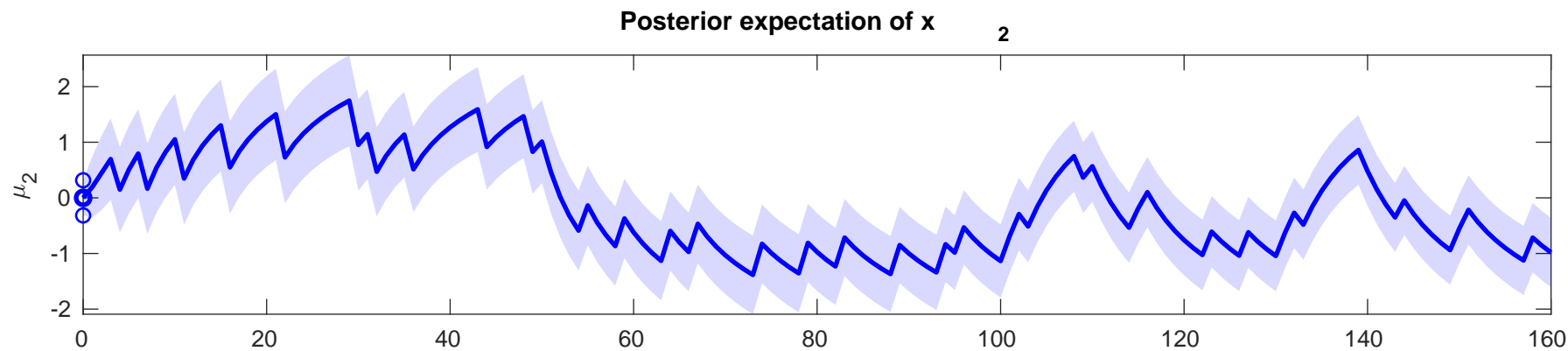
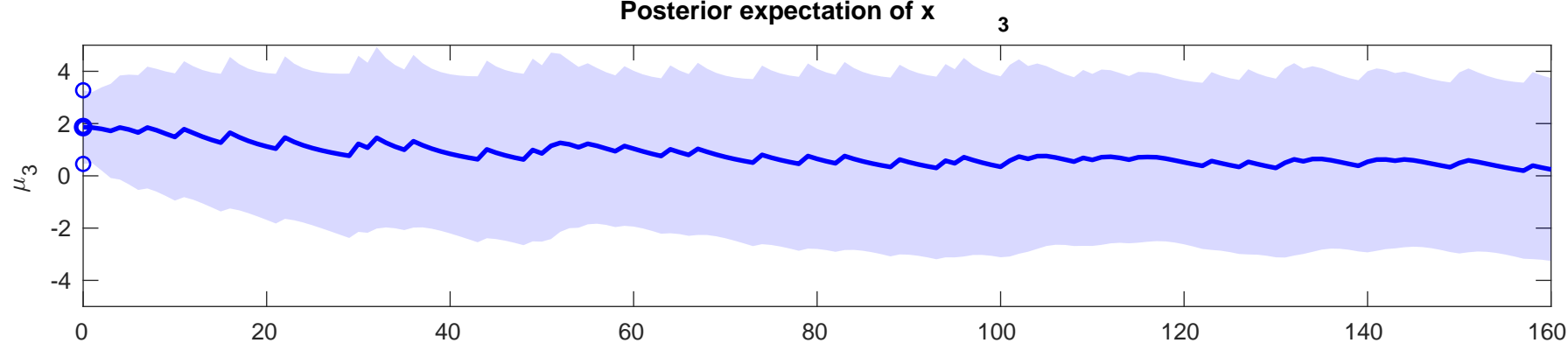
se y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0$, $\kappa=1$, $\omega=-3.6773$



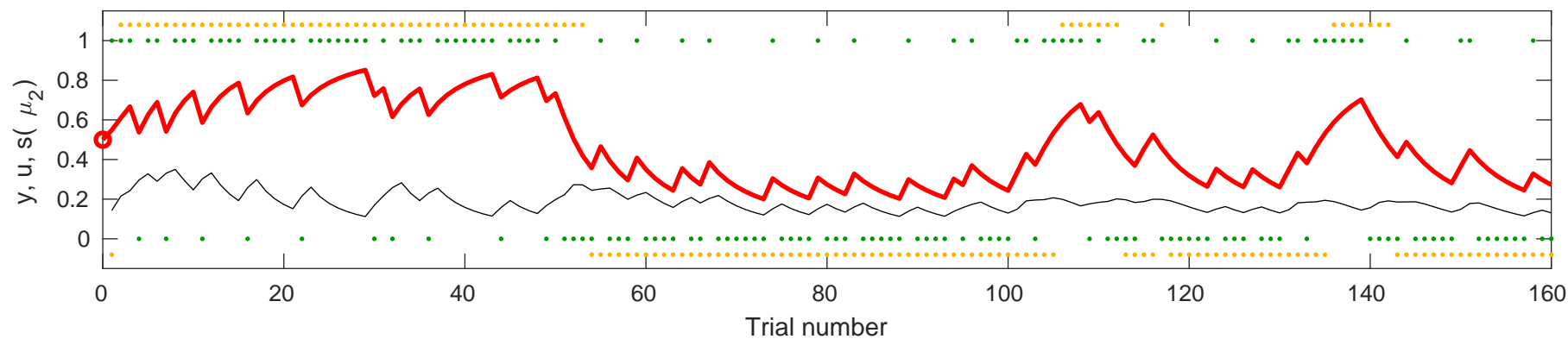


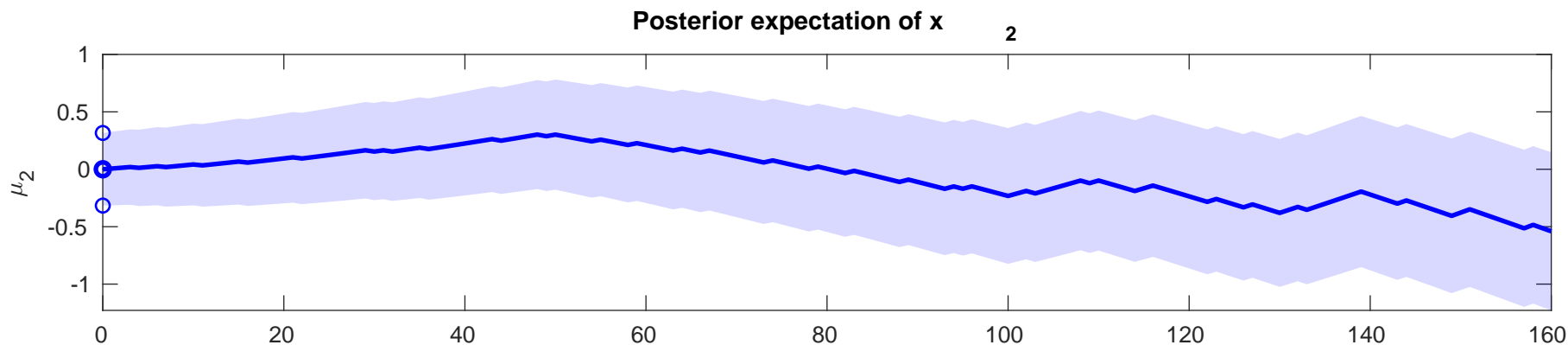
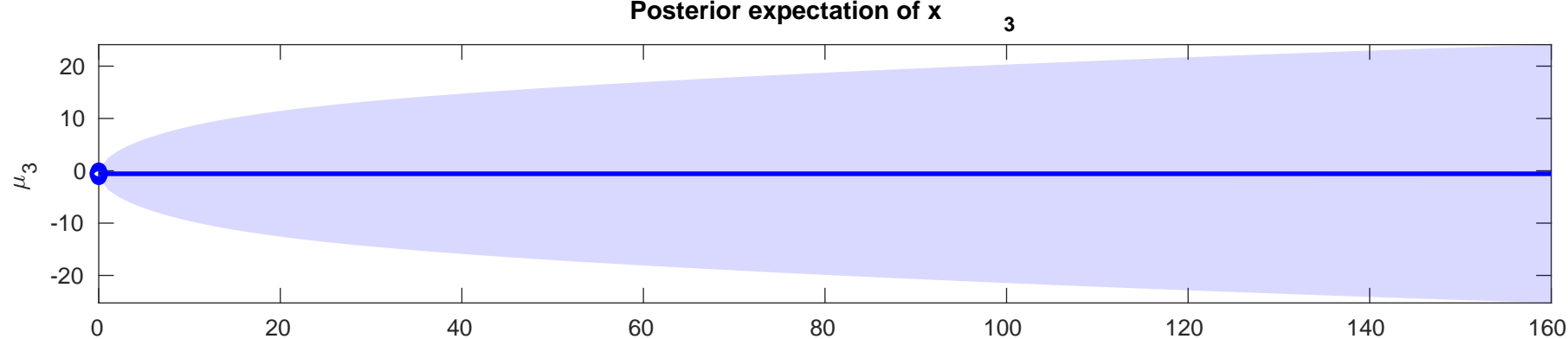
se y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0$, $\kappa=1$, $\omega=-2.3799$



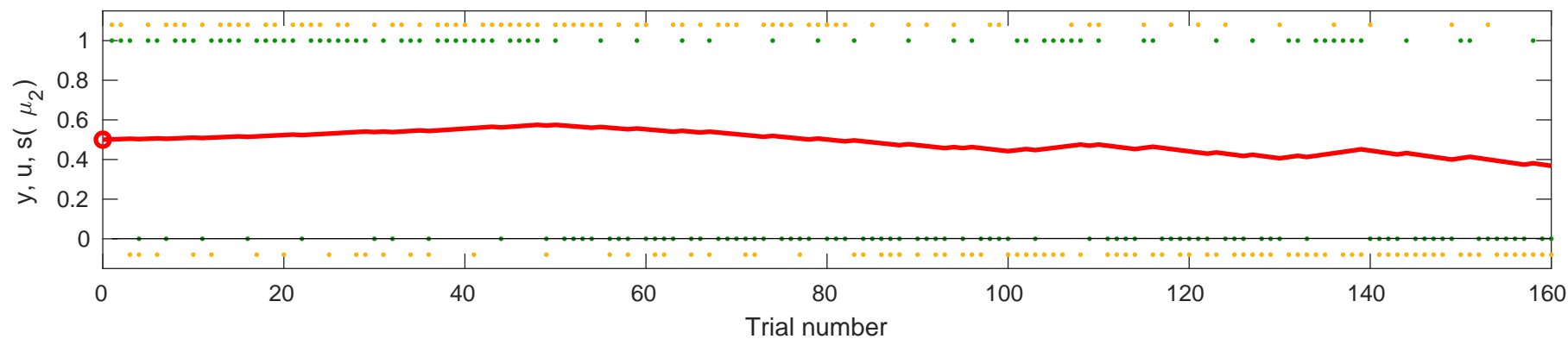


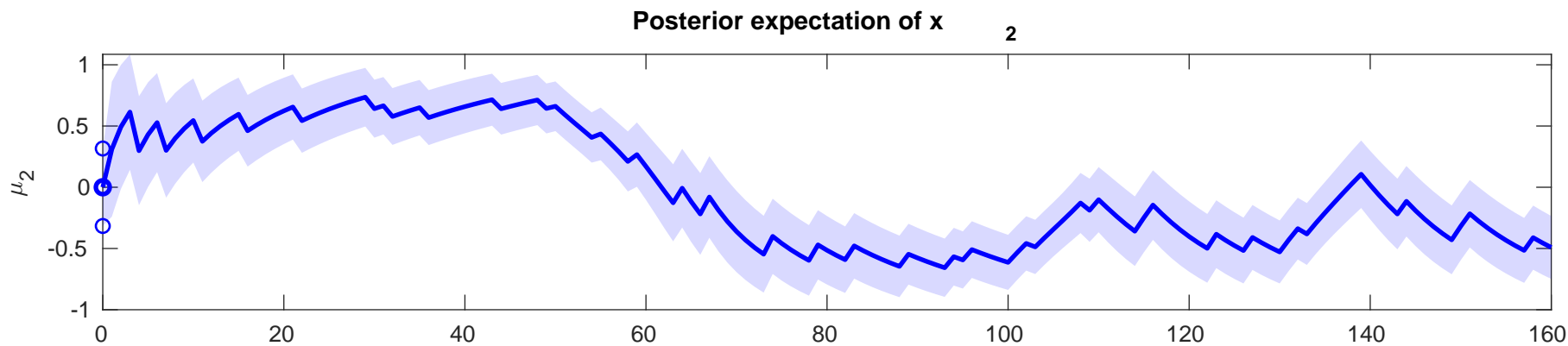
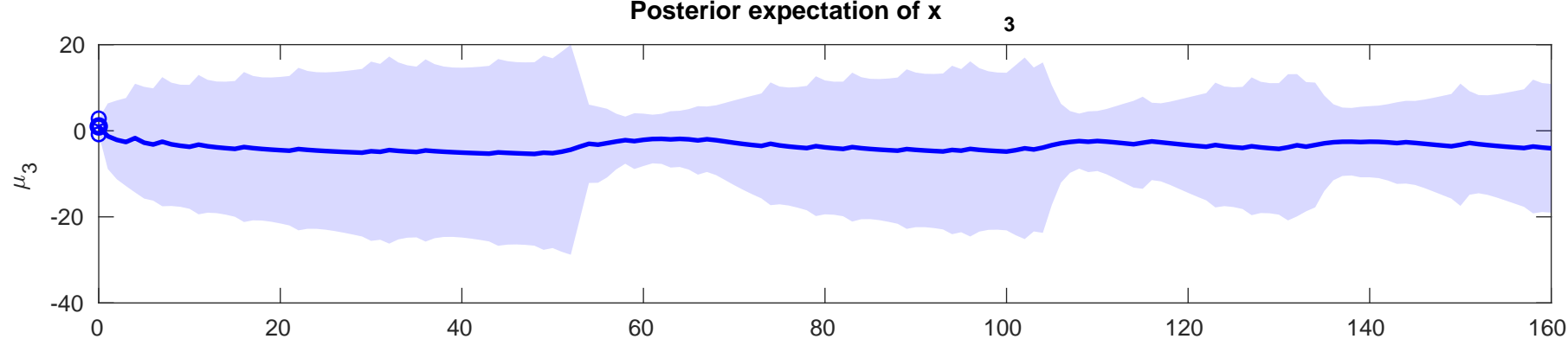
se y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0.0$, $\kappa=1$, $\omega=-3.2646$



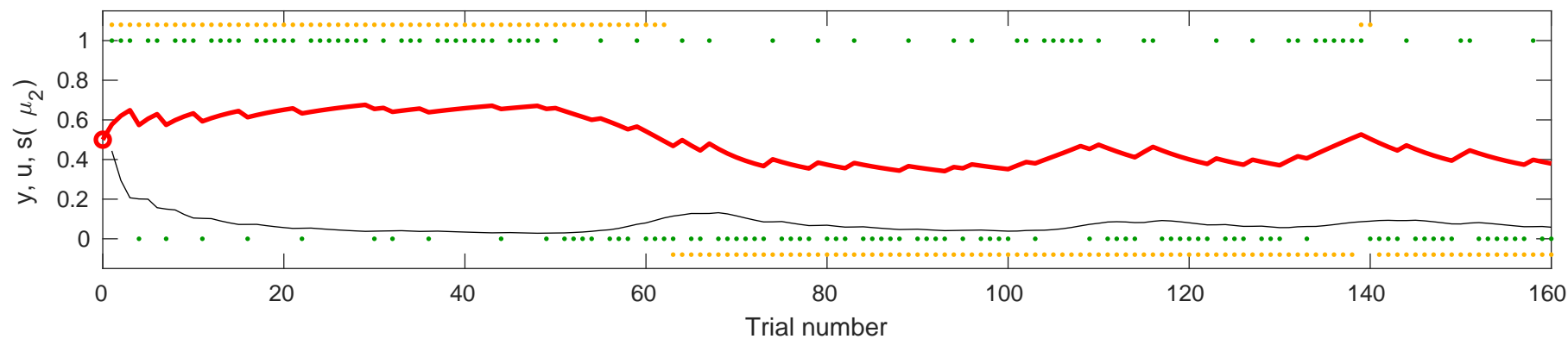


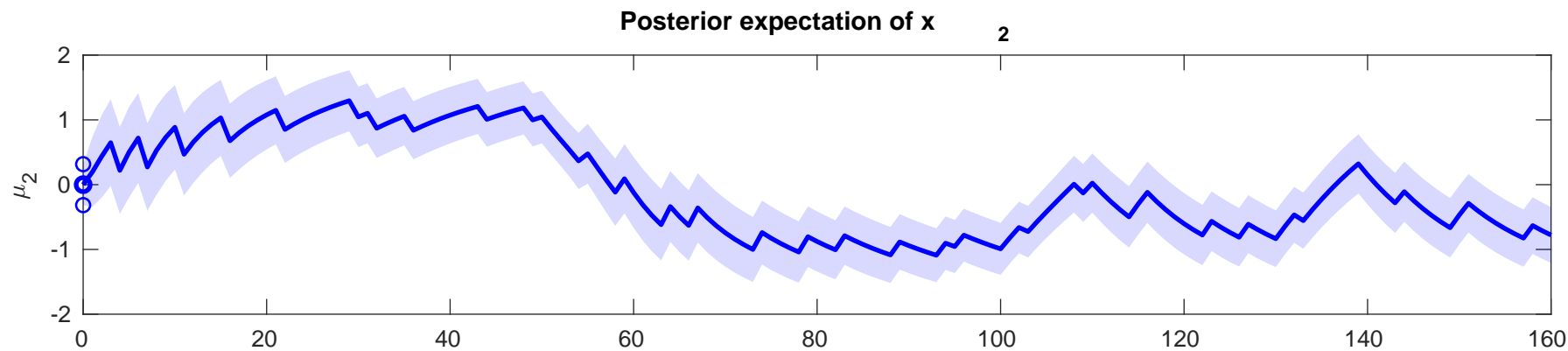
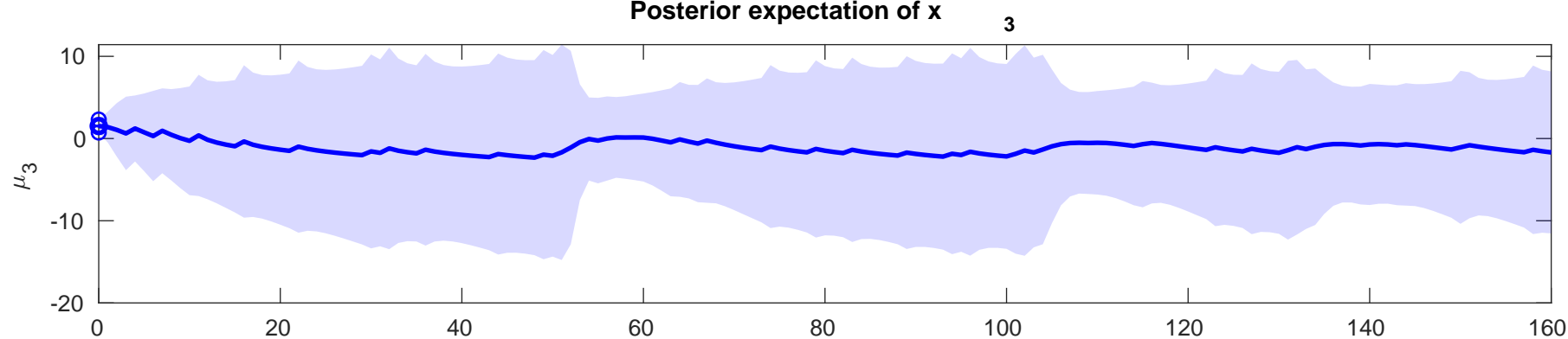
se y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0$, $\kappa=1$, $\omega=-5.3394$



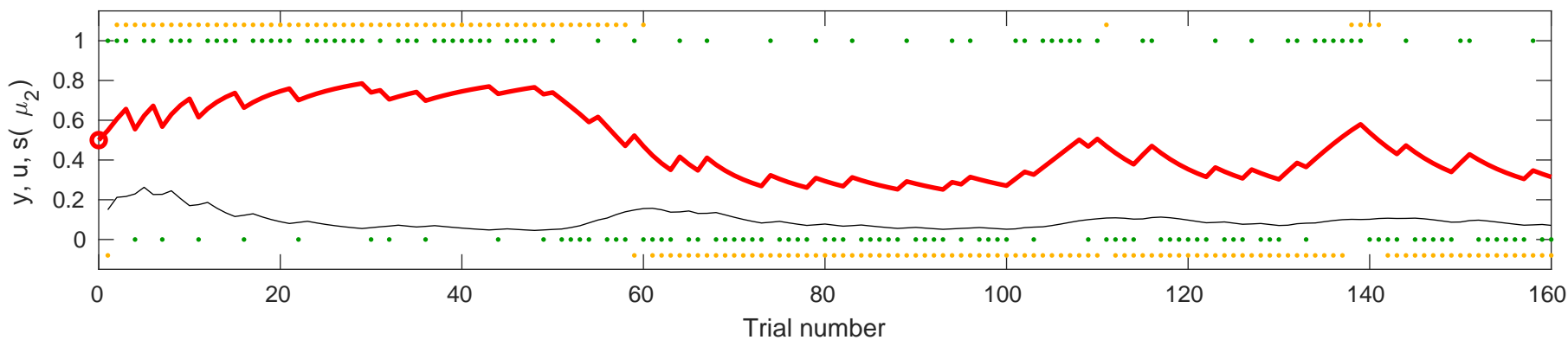


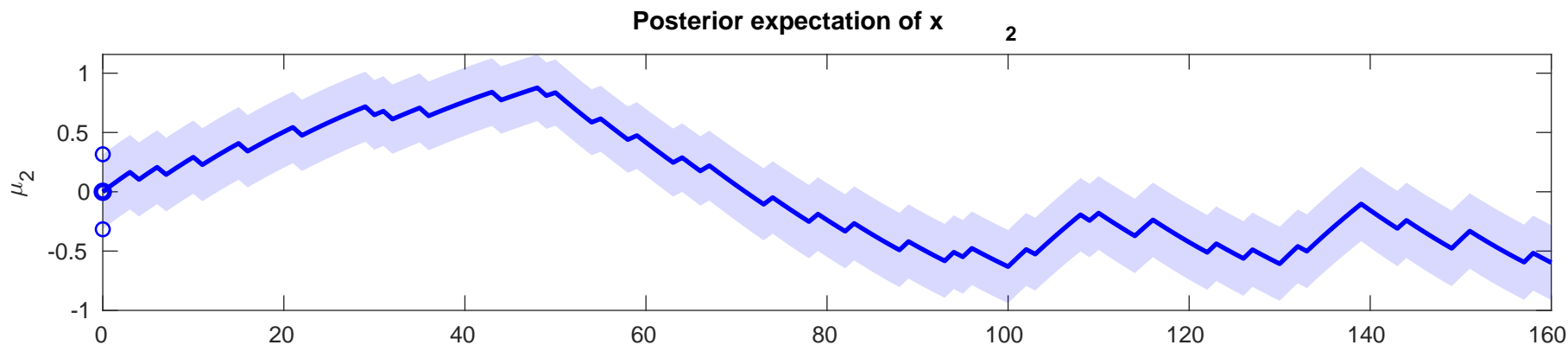
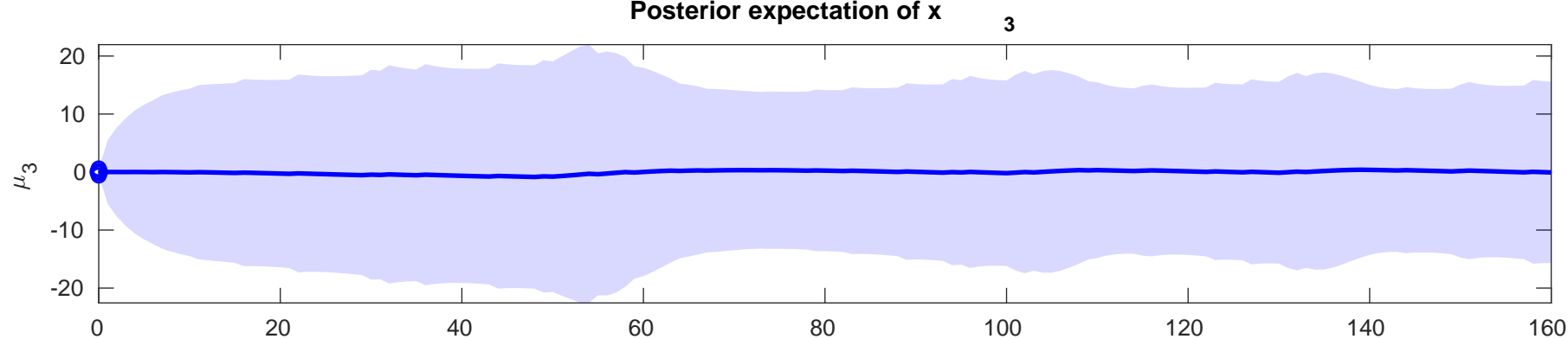
se y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0$, $\kappa=1$, $\omega=-2.0754$



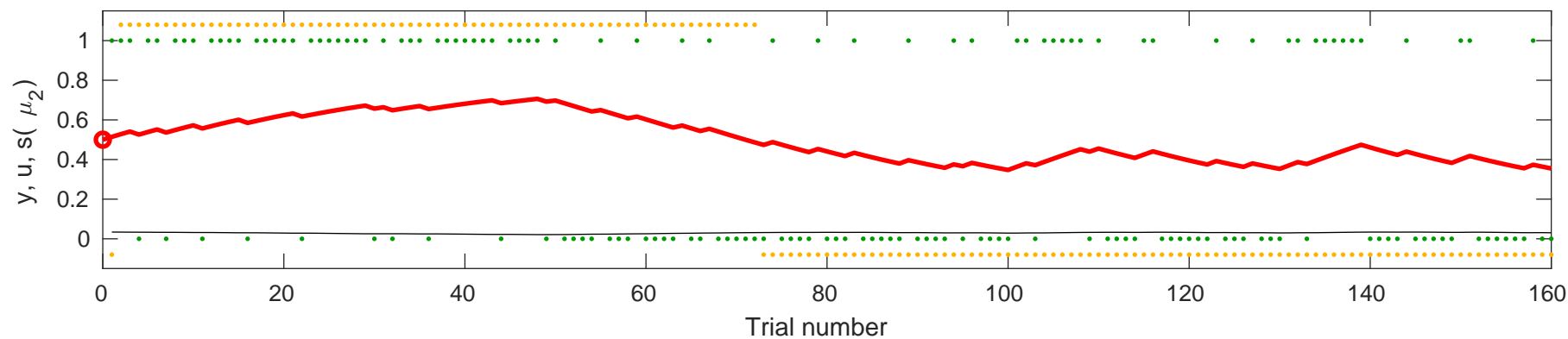


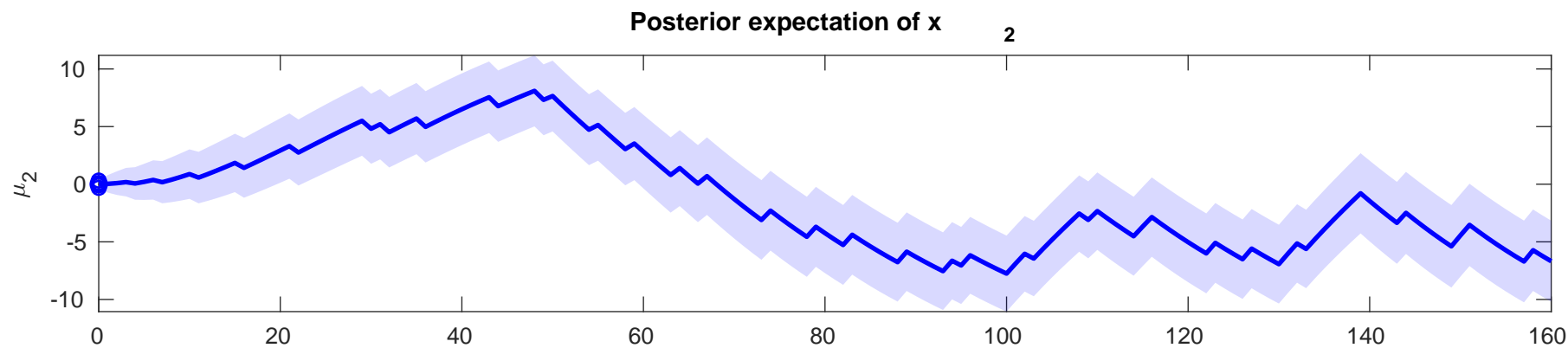
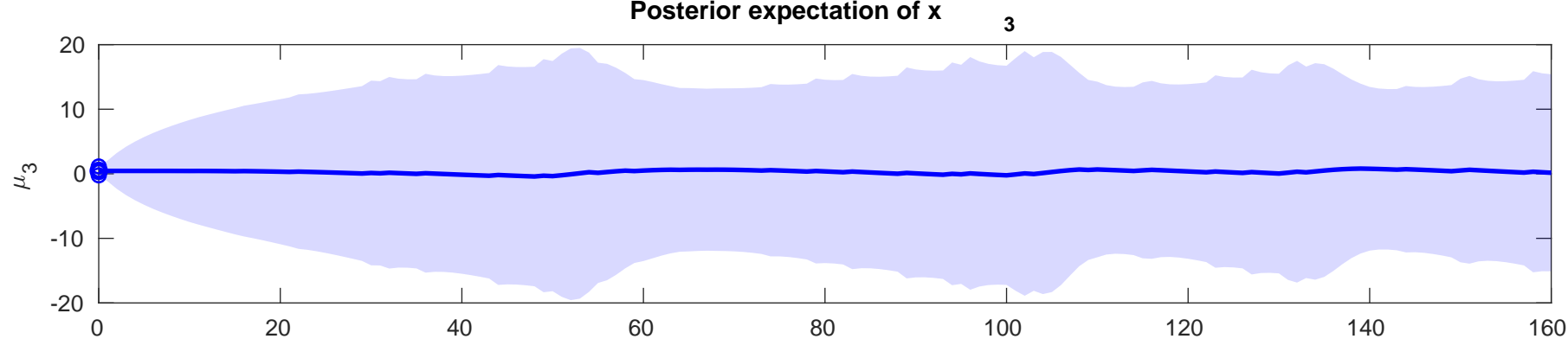
se y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0$, $\kappa=1$, $\omega=-2.9759$



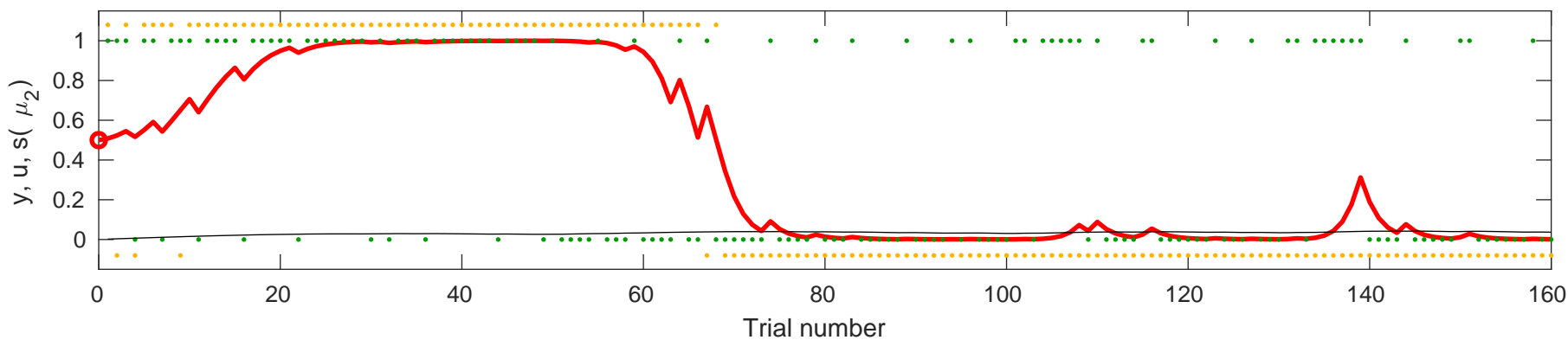


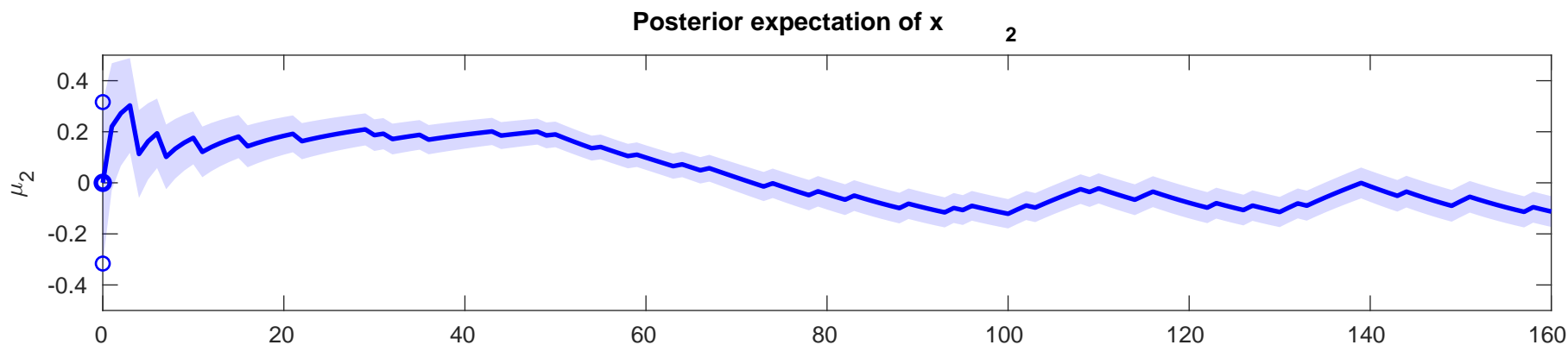
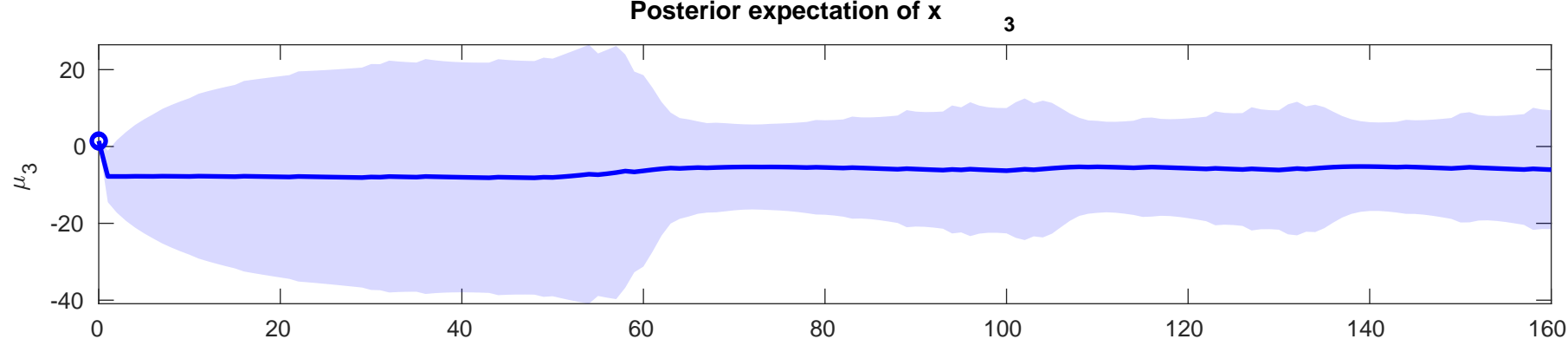
use y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0$, $\kappa=1$, $\omega=-5.8926$



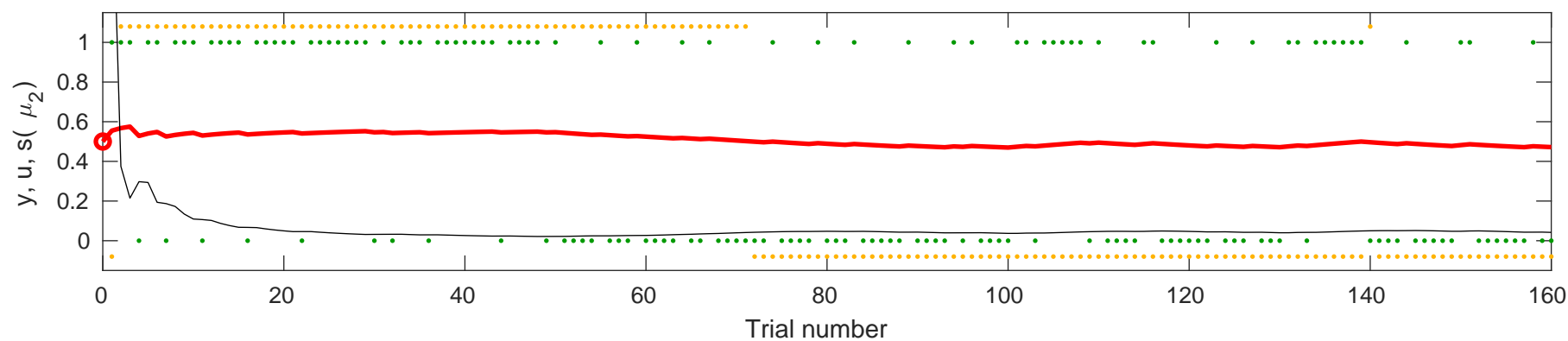


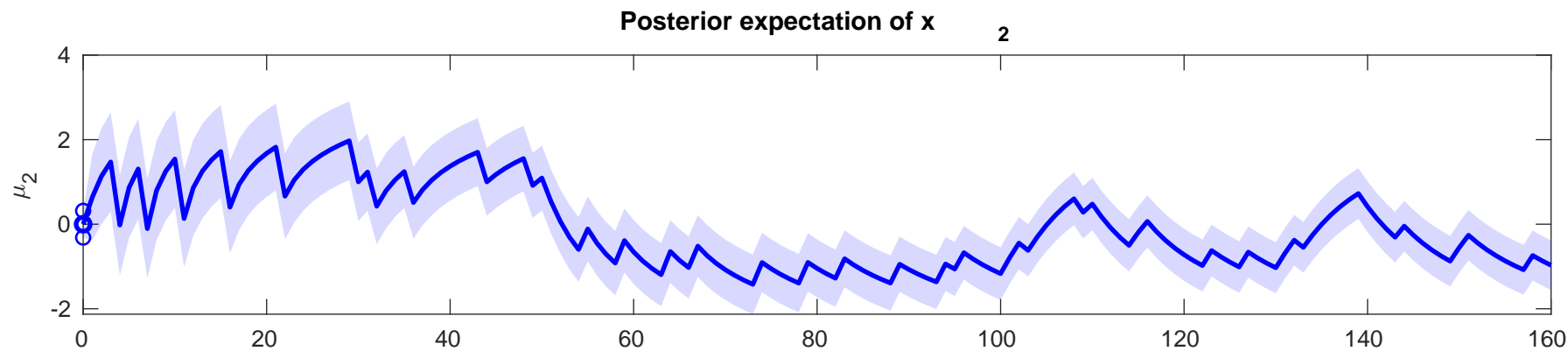
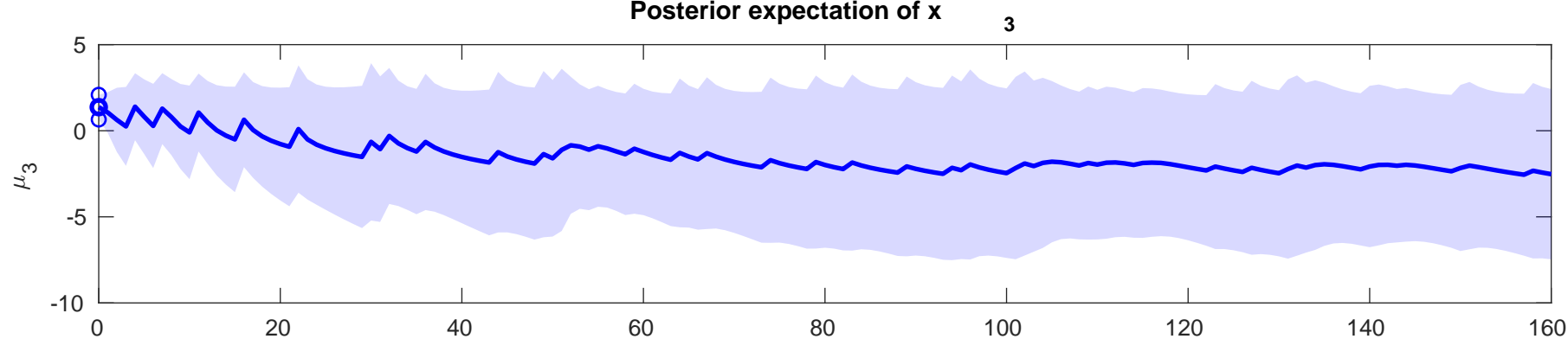
se y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0$, $\kappa=1$, $\omega=-1.1788$



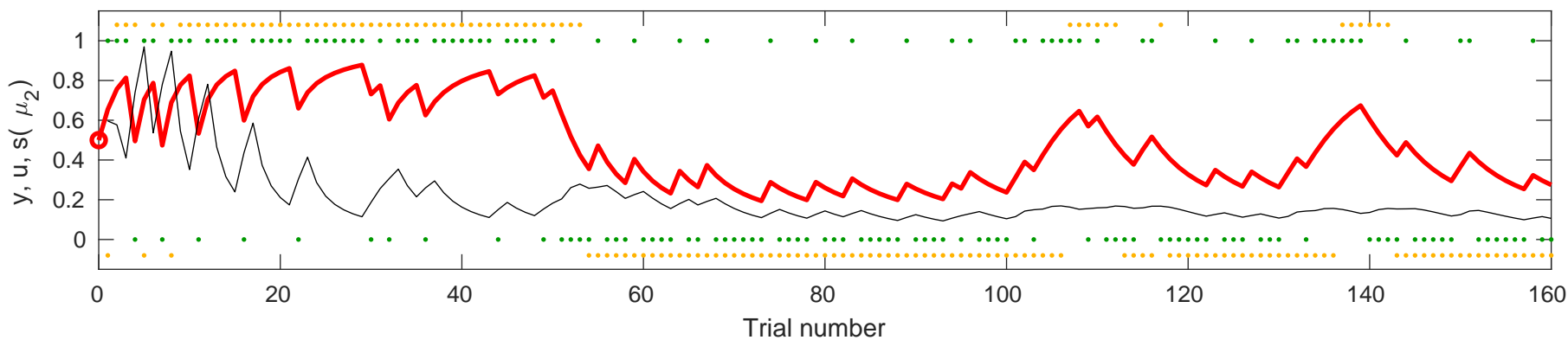


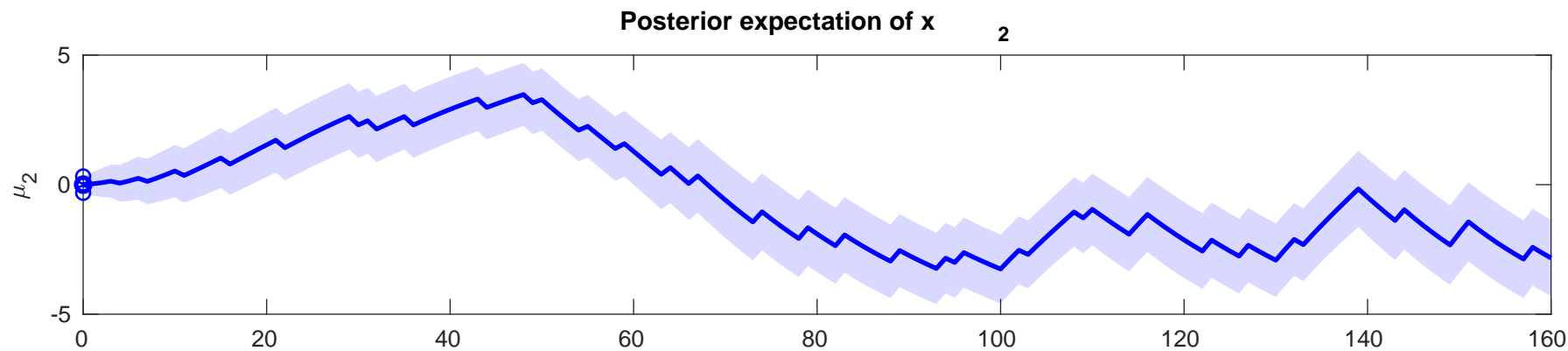
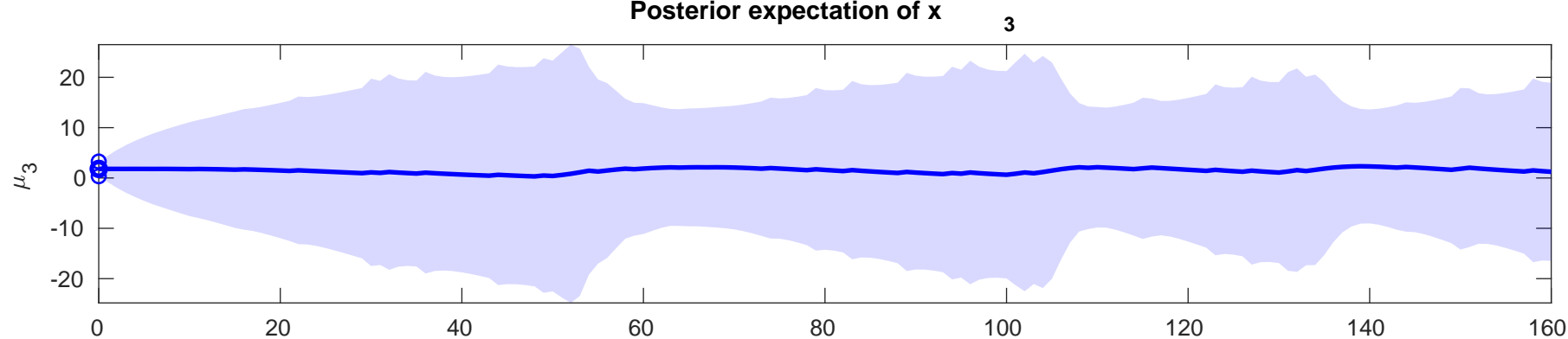
se y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0$, $\kappa=1$, $\omega=-3.0825$



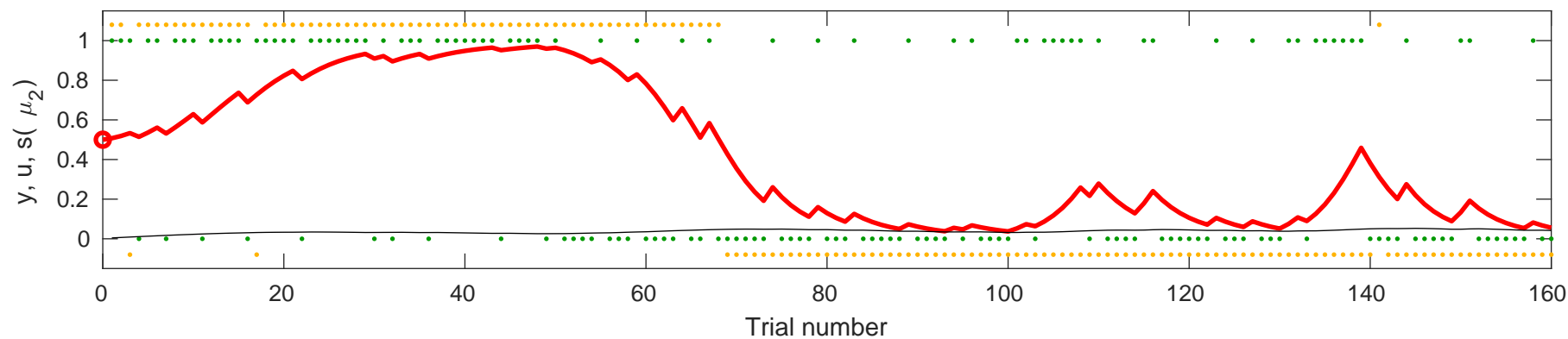


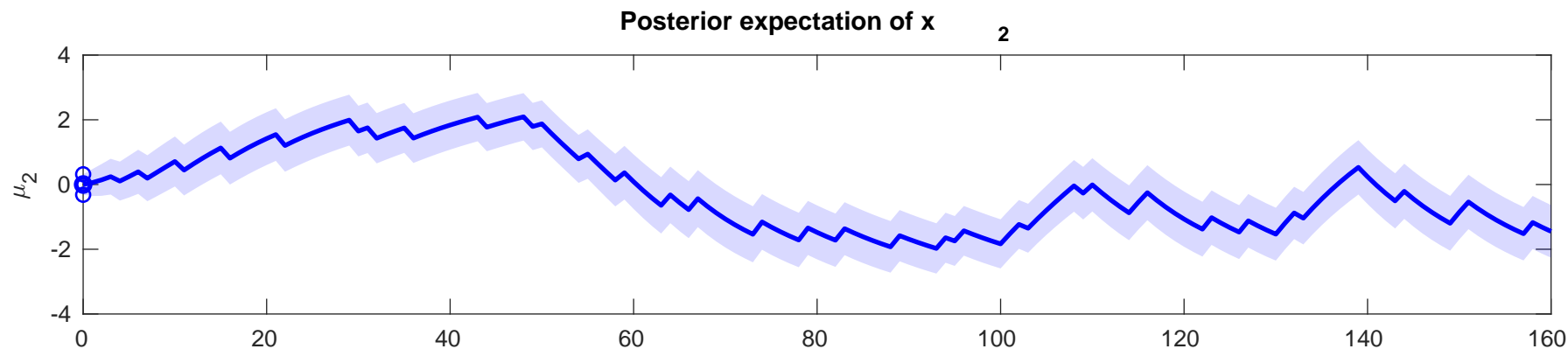
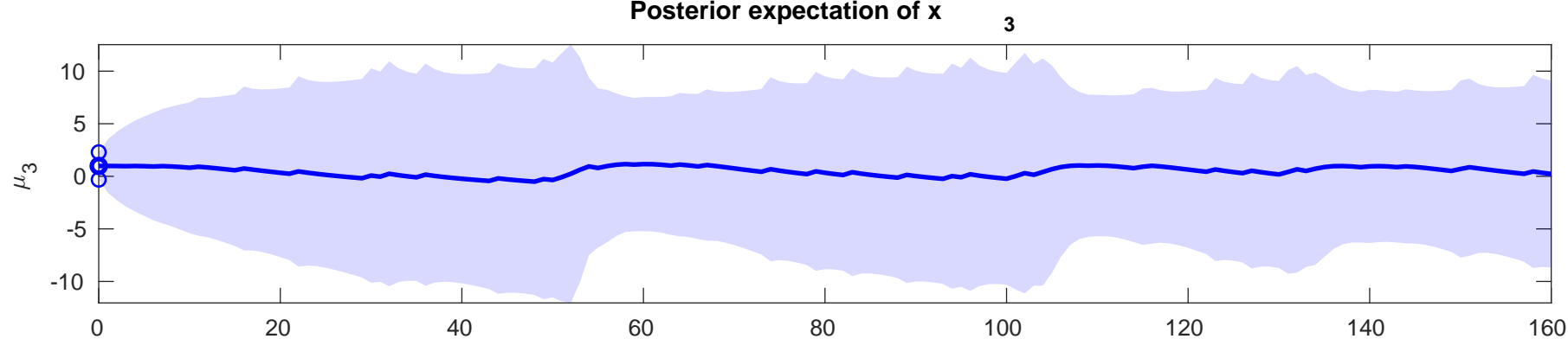
the y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0$, $\kappa=1$, $\omega=-0.88982$



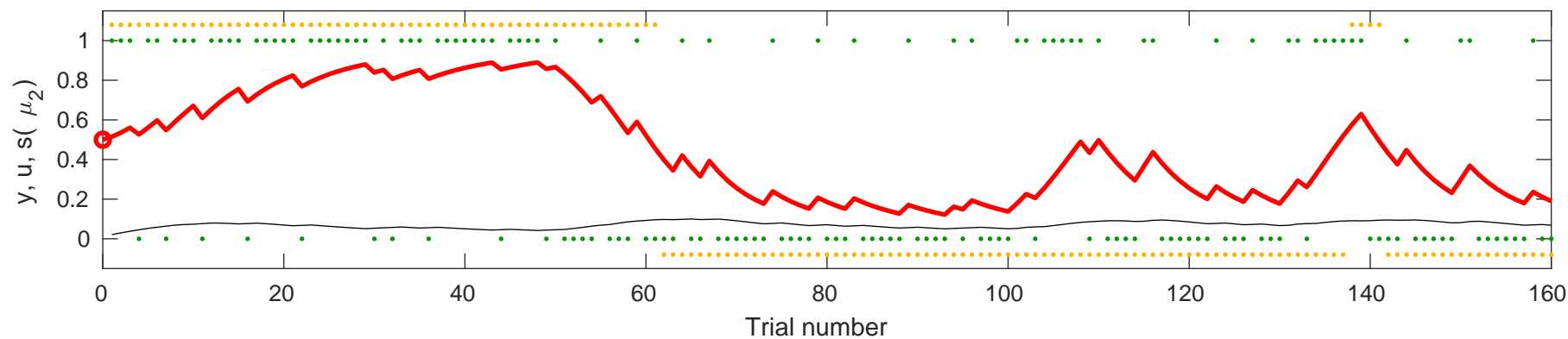


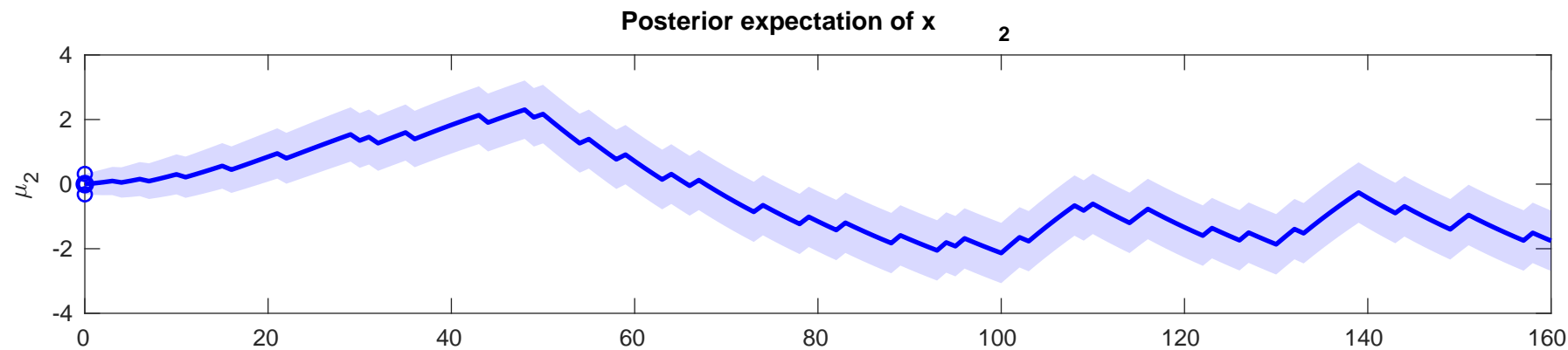
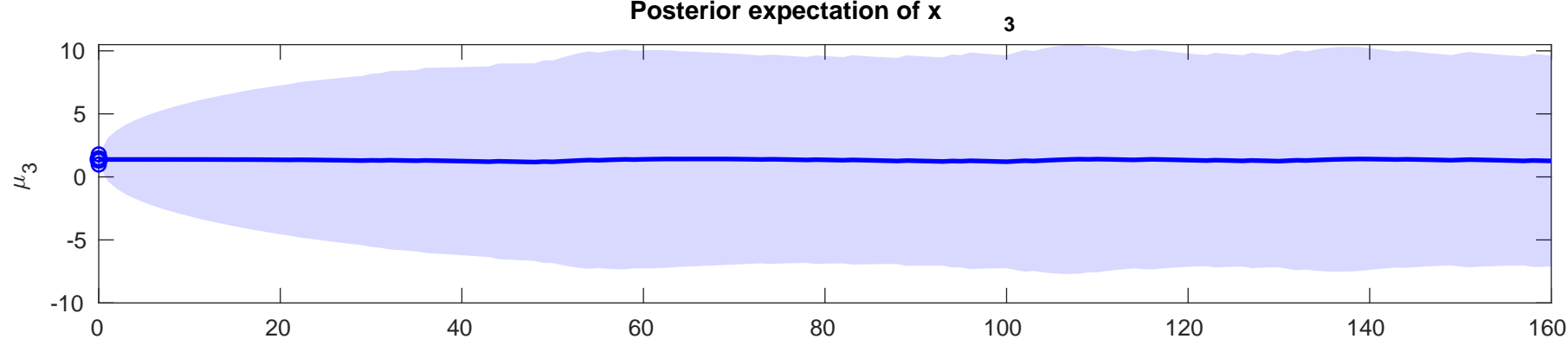
se y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0$, $\kappa=1$, $\omega=-4.0723$



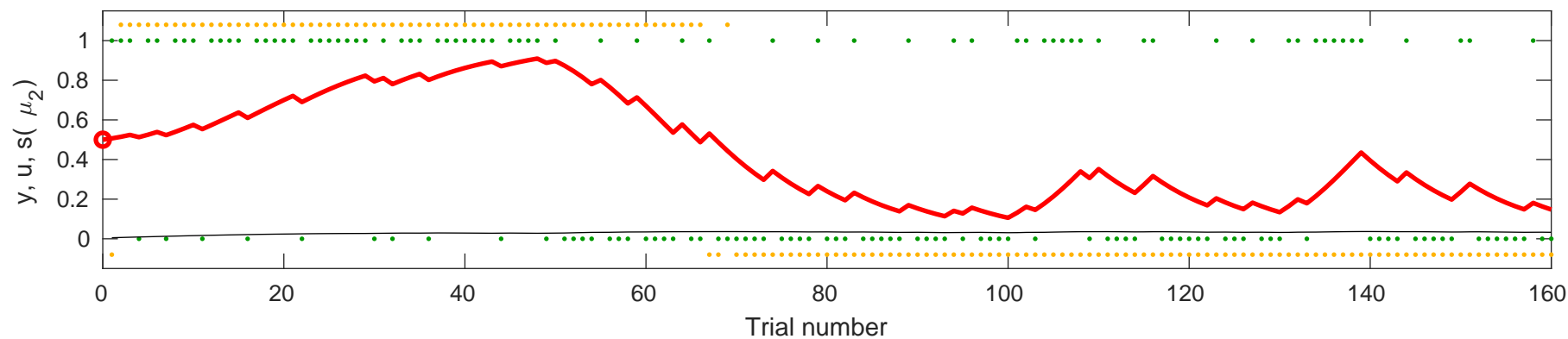


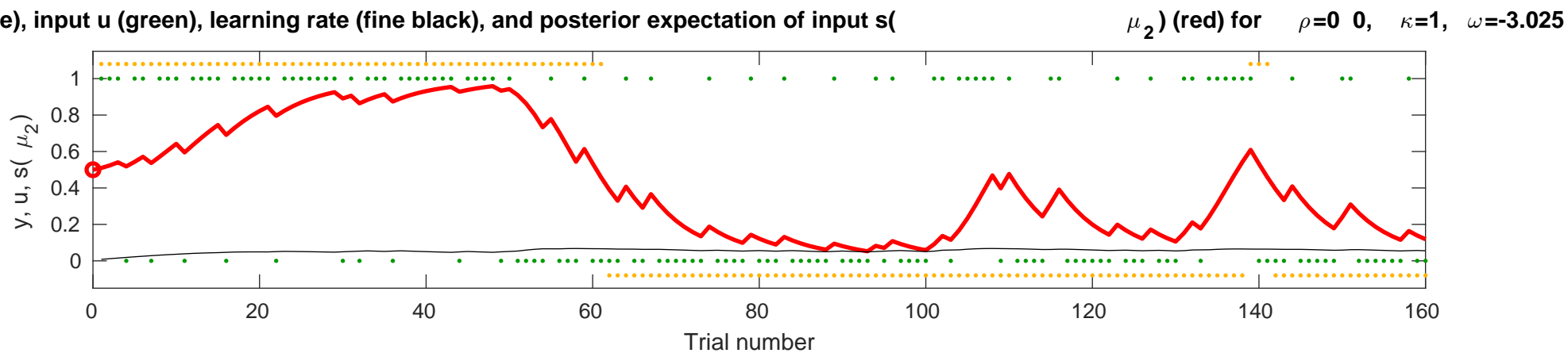
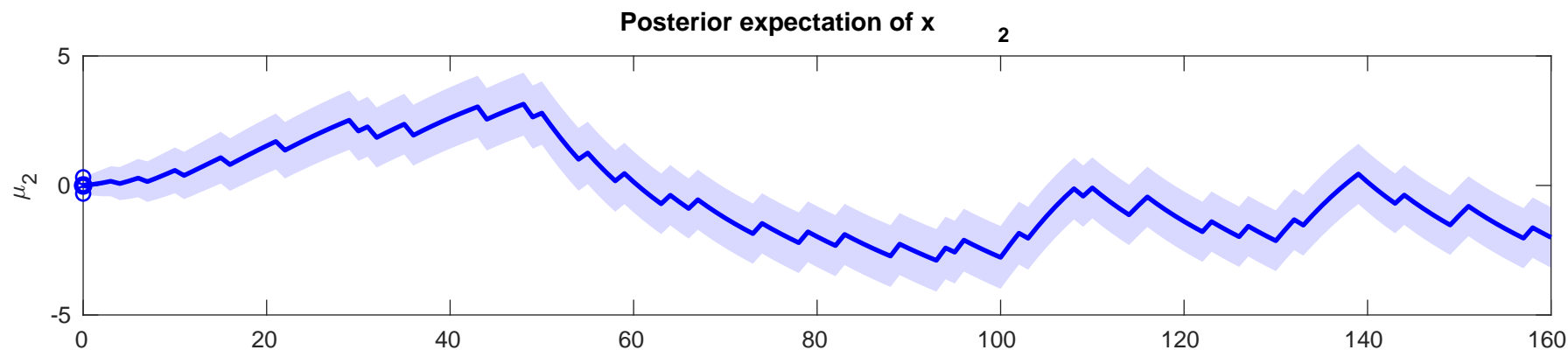
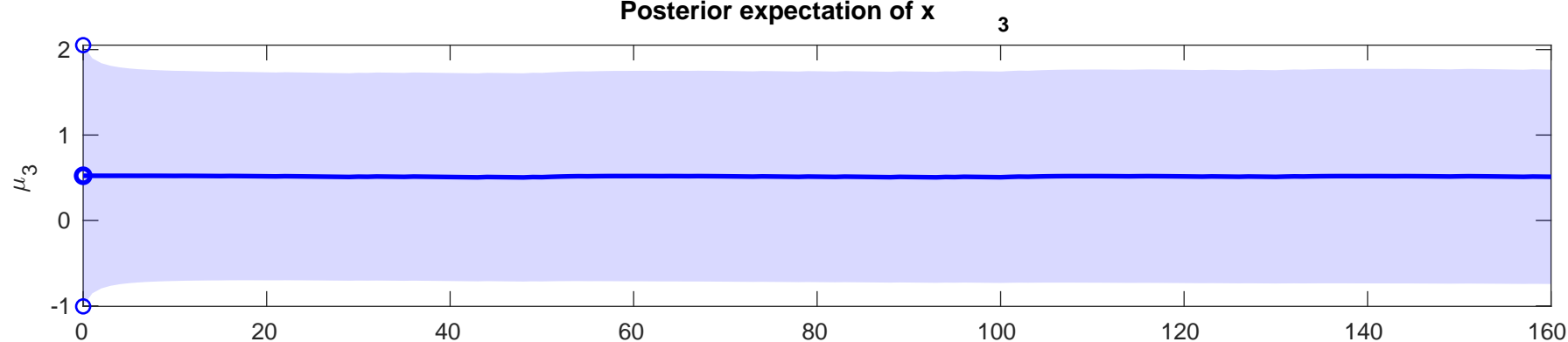
se y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0$, $\kappa=1$, $\omega=-3.5582$

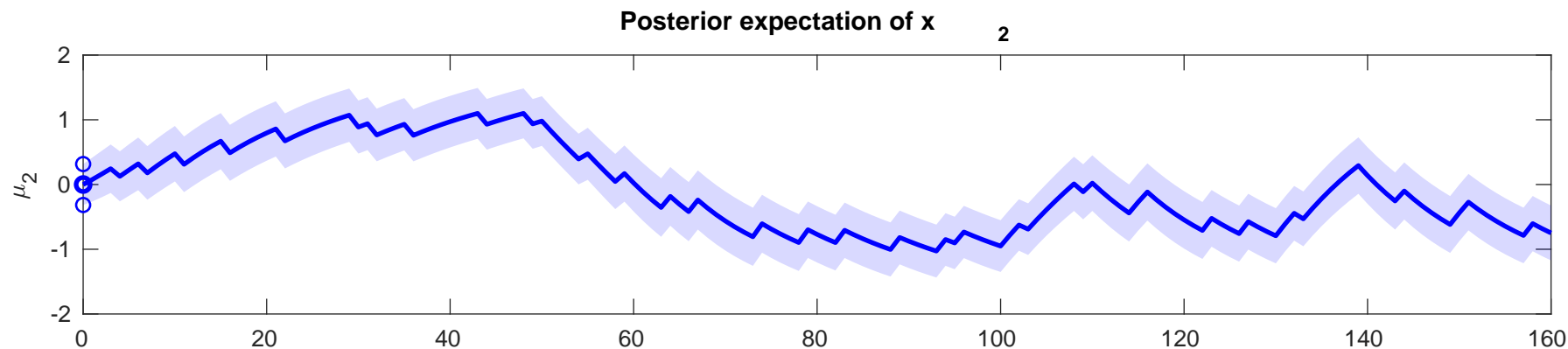
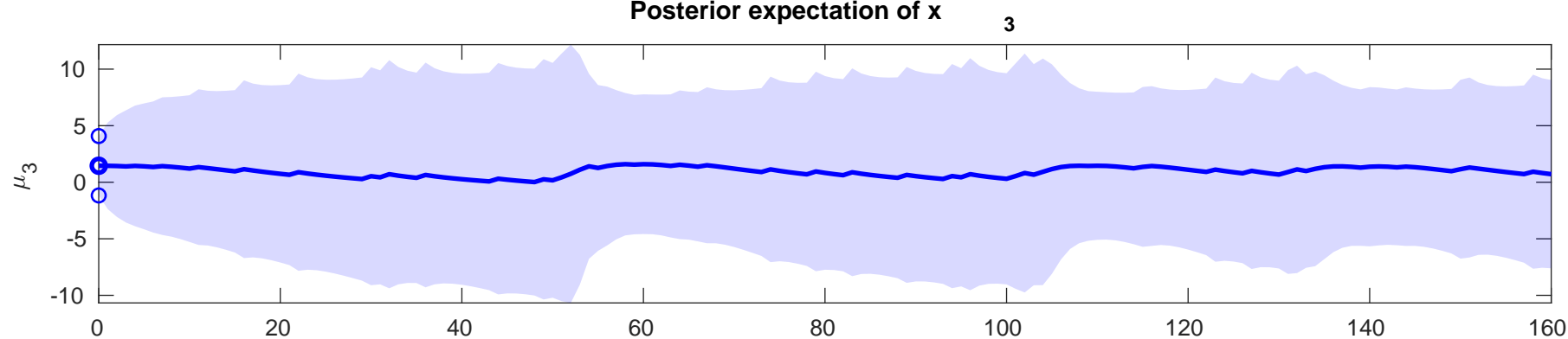




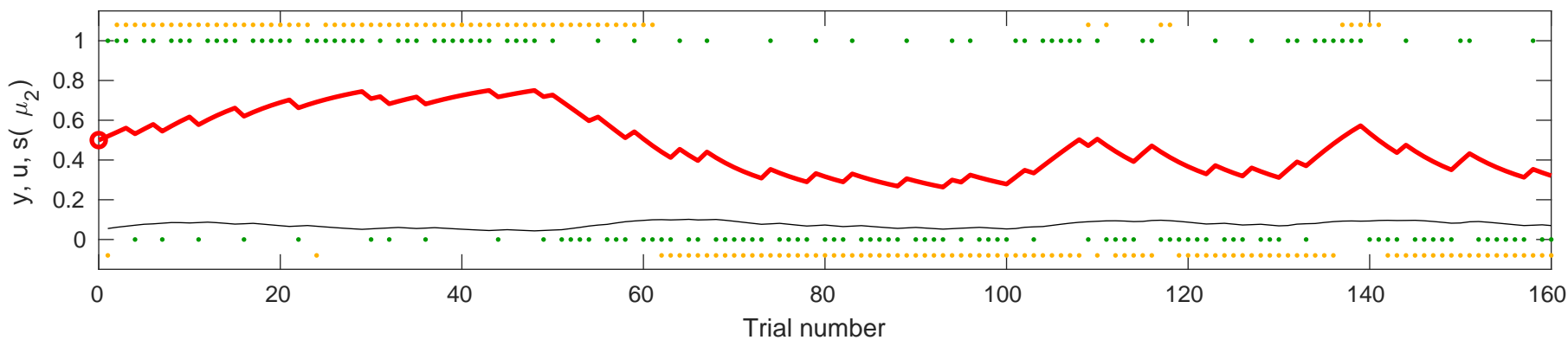
se y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0$, $\kappa=1$, $\omega=-4.8392$

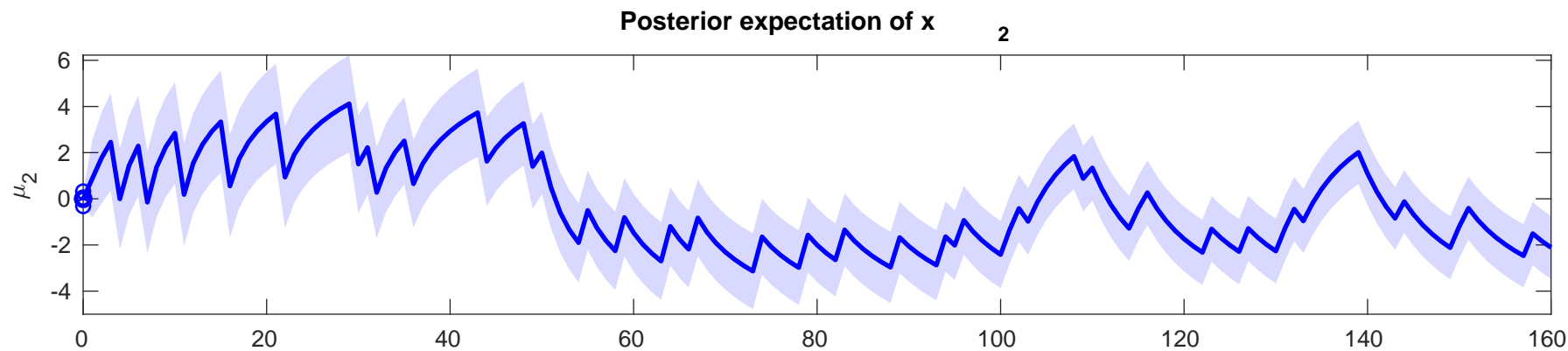
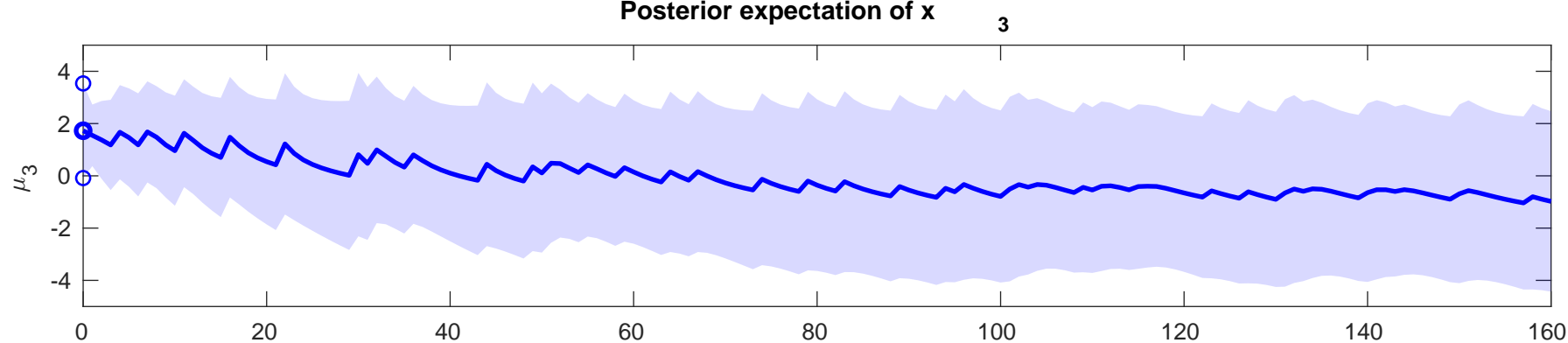




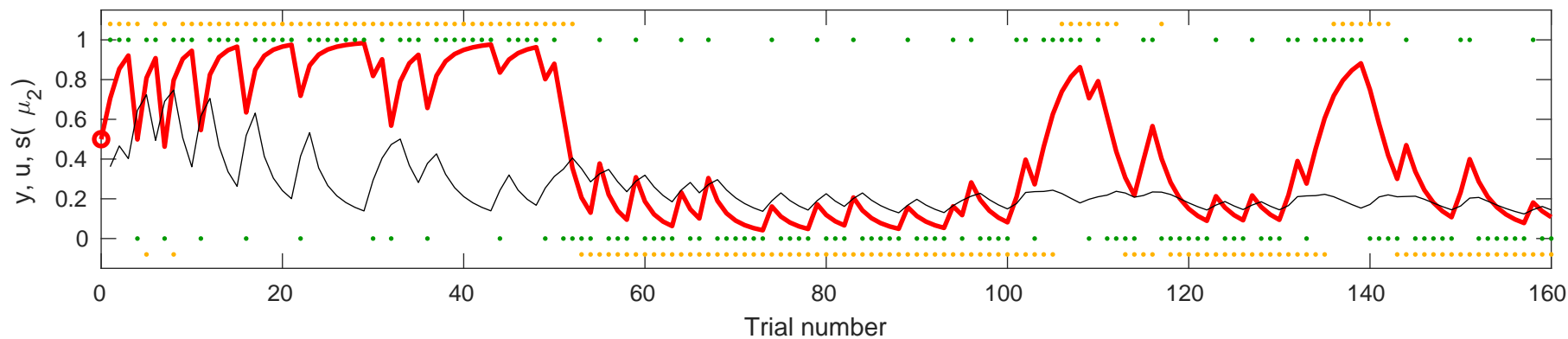


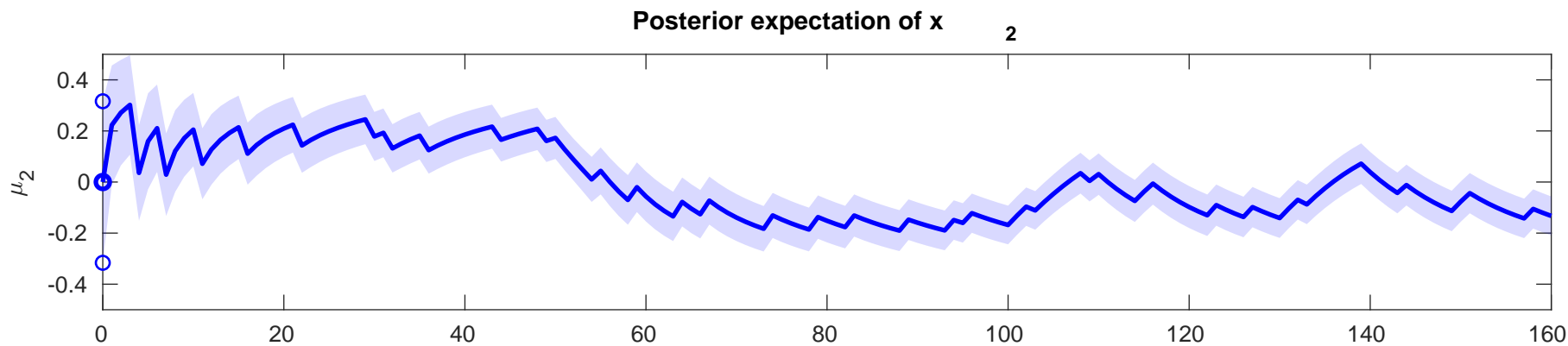
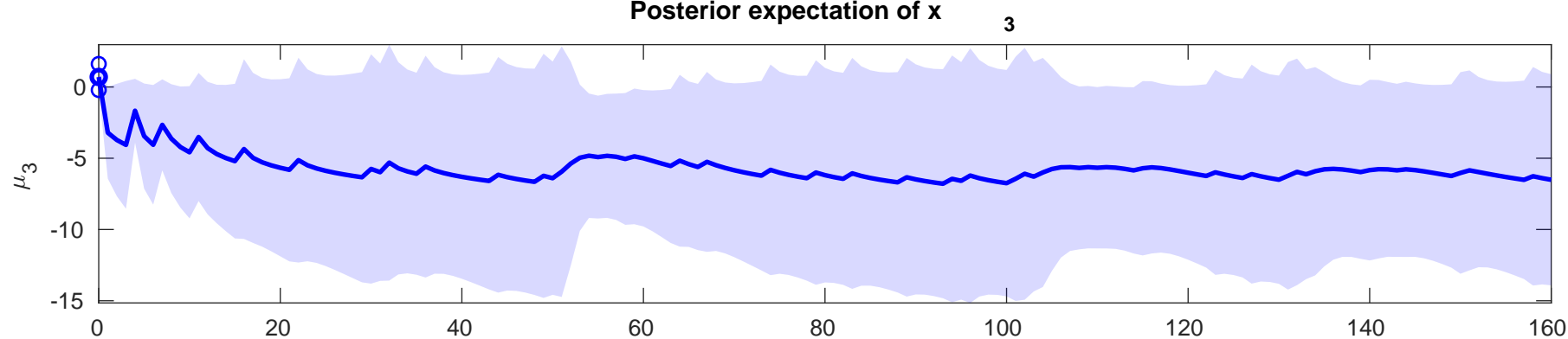
Plot showing the posterior expectation of x_2 (blue line) over 160 trials. The y-axis ranges from -2 to 2. The uncertainty (shaded area) is wider in the first 50 trials and narrows after trial 60.



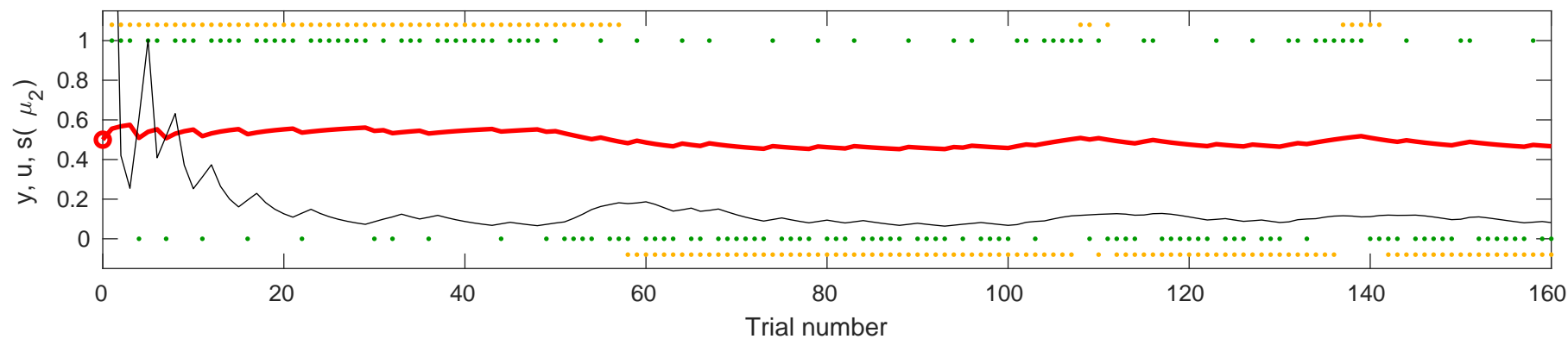


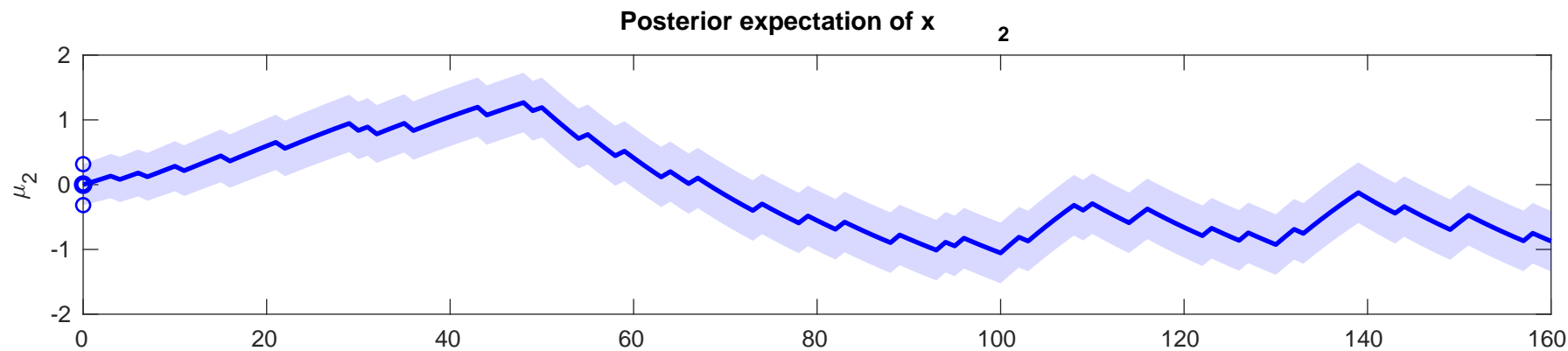
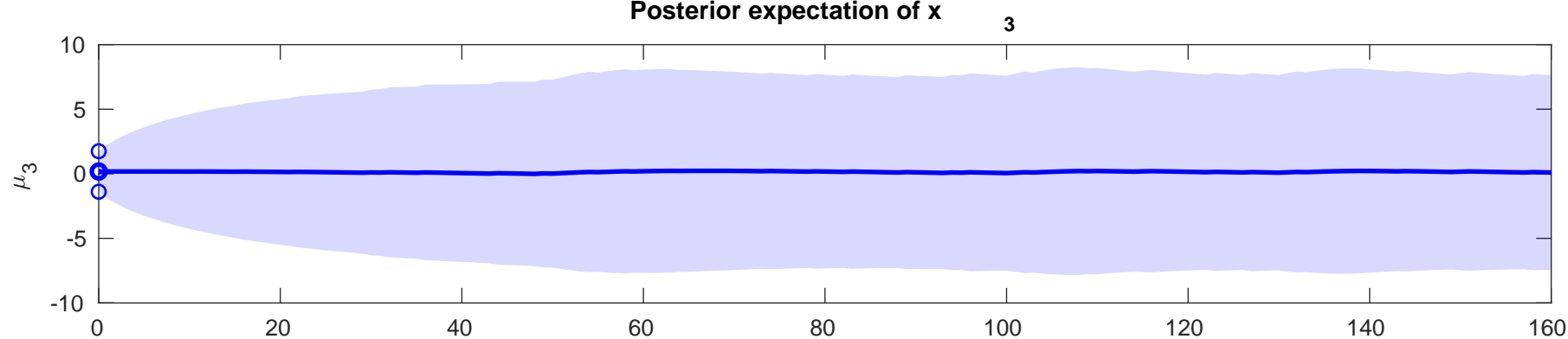
the y (orange), input u (green), learning rate (fine black), and posterior expectation of input s(μ_2) (red) for $\rho=0$, $\kappa=1$, $\omega=-0.39614$



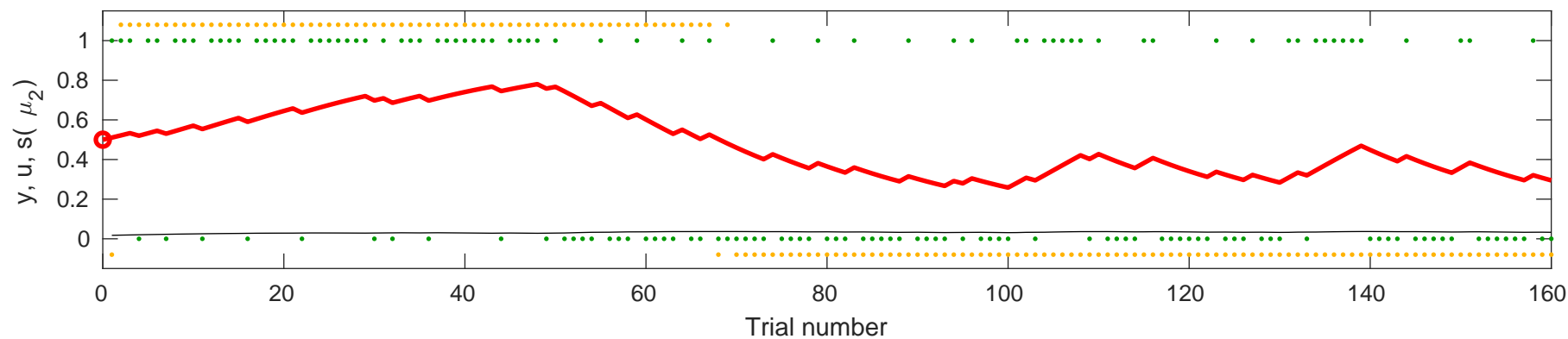


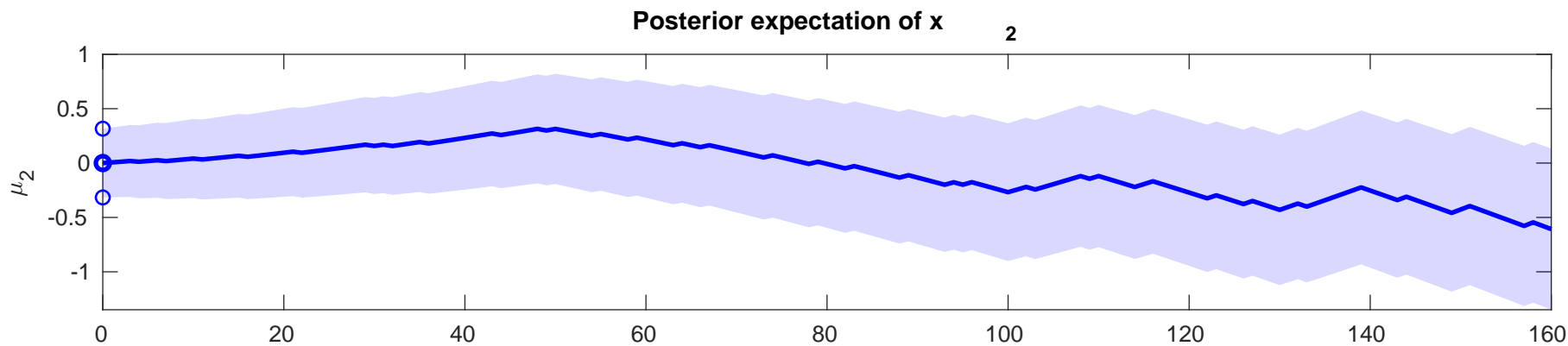
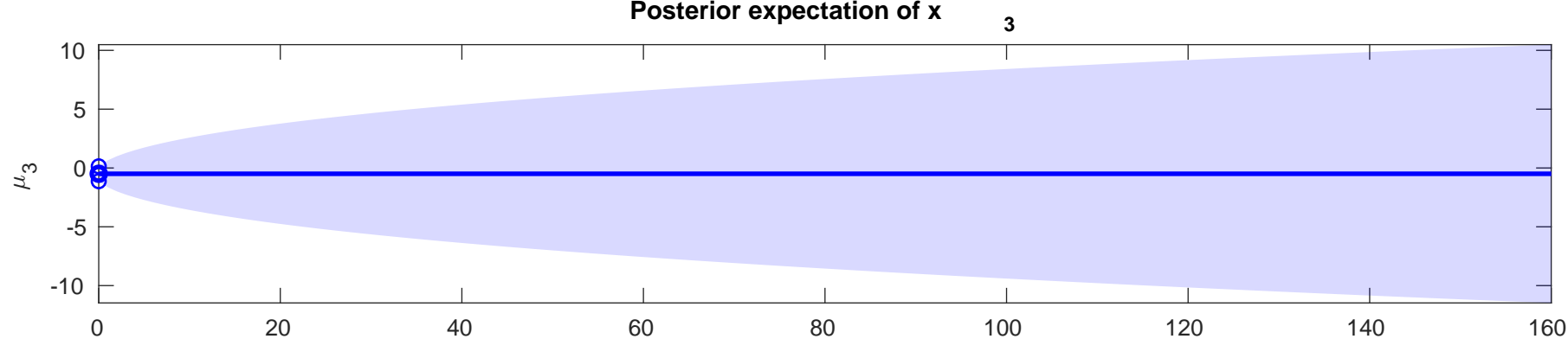
se y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0$, $\kappa=1$, $\omega=-1.3494$



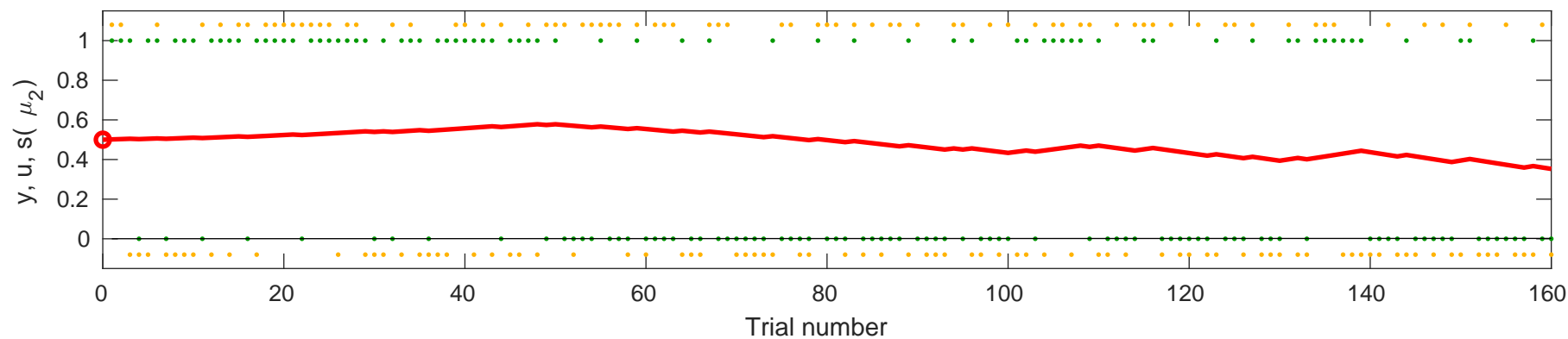


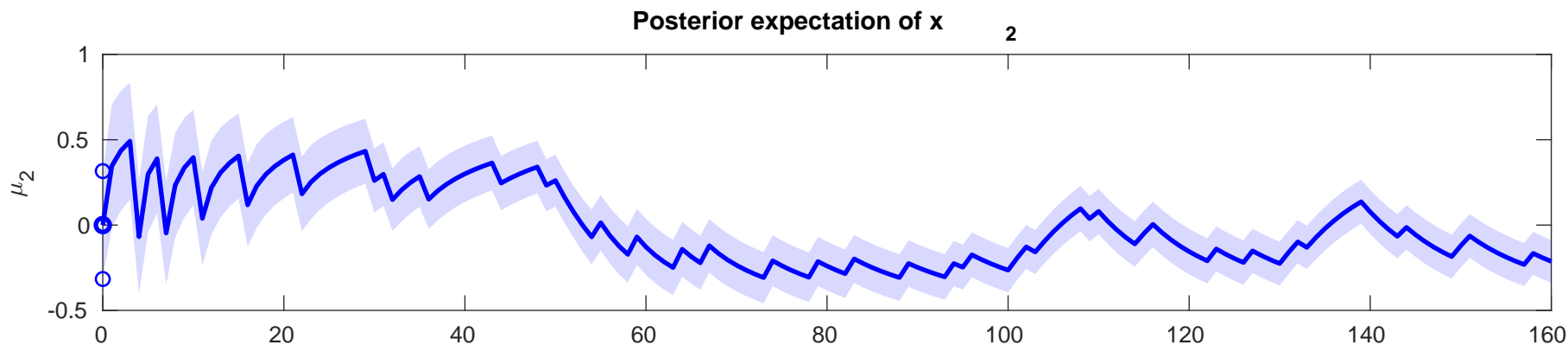
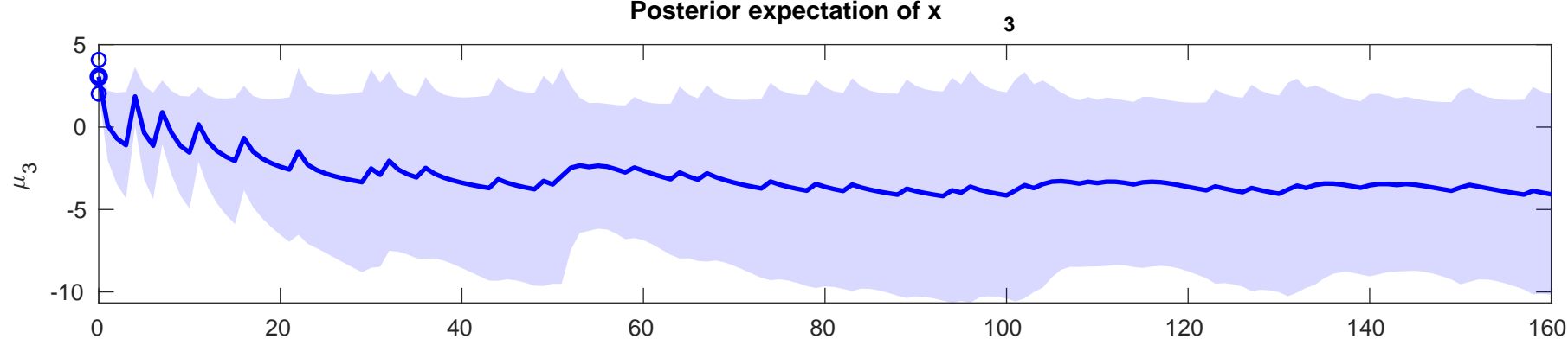
se y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0.0$, $\kappa=1$, $\omega=-5.0432$



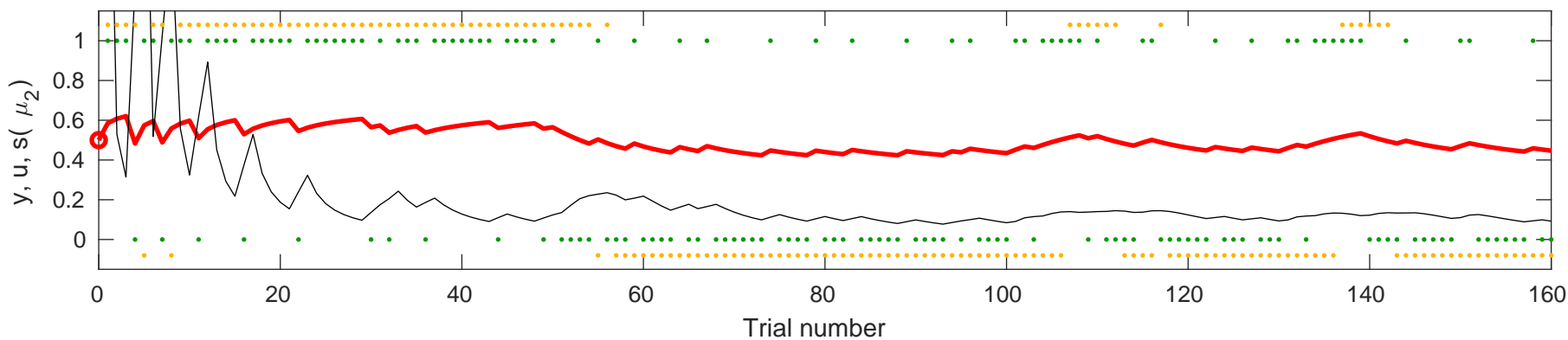


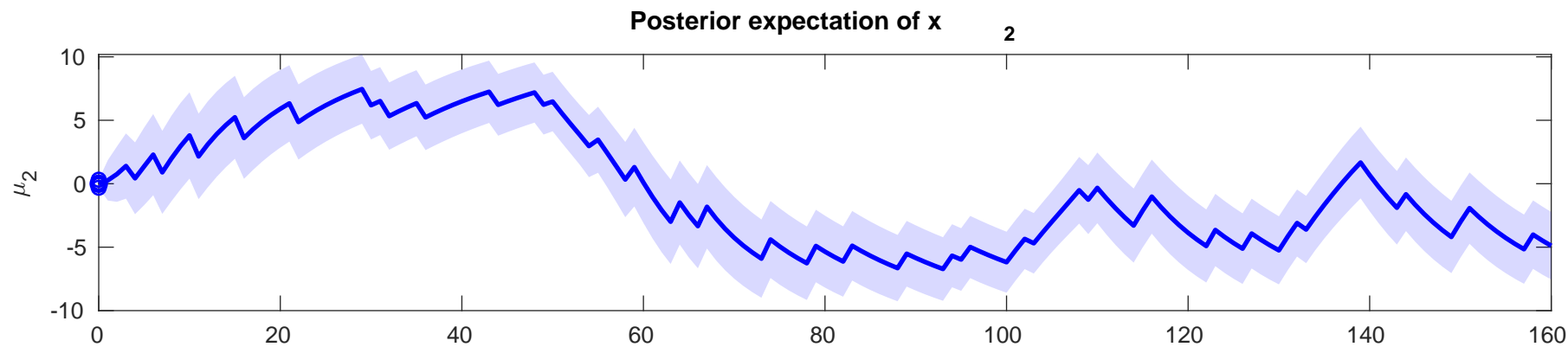
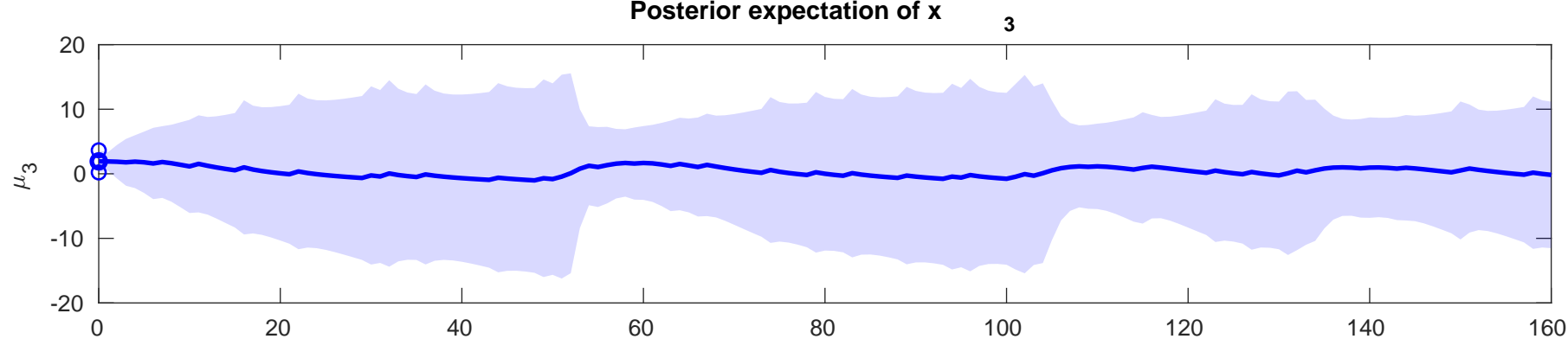
se y (orange), input u (green), learning rate (fine black), and posterior expectation of input s (μ_2) (red) for $\rho=0$, $\kappa=1$, $\omega=-5.231$



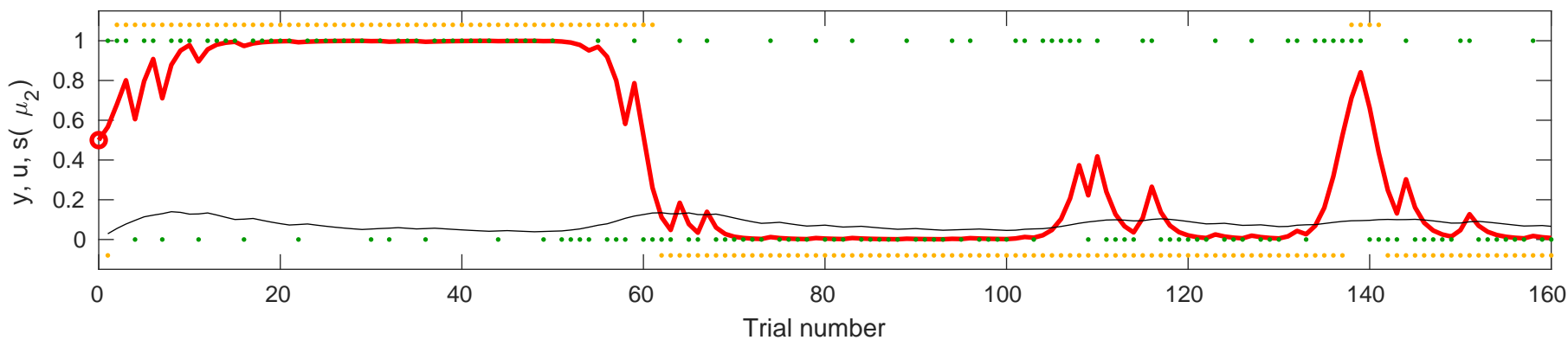


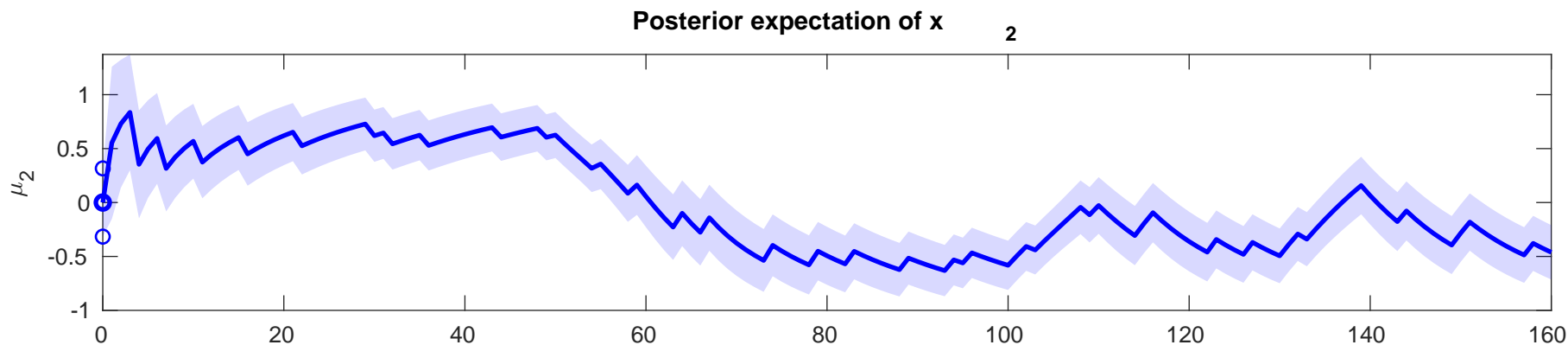
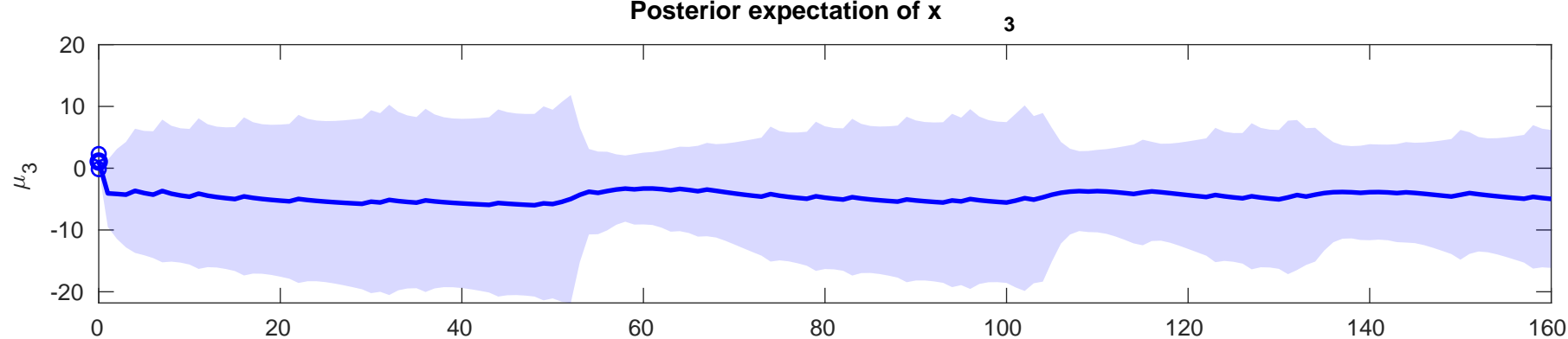
se y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0$, $\kappa=1$, $\omega=-2.6092$



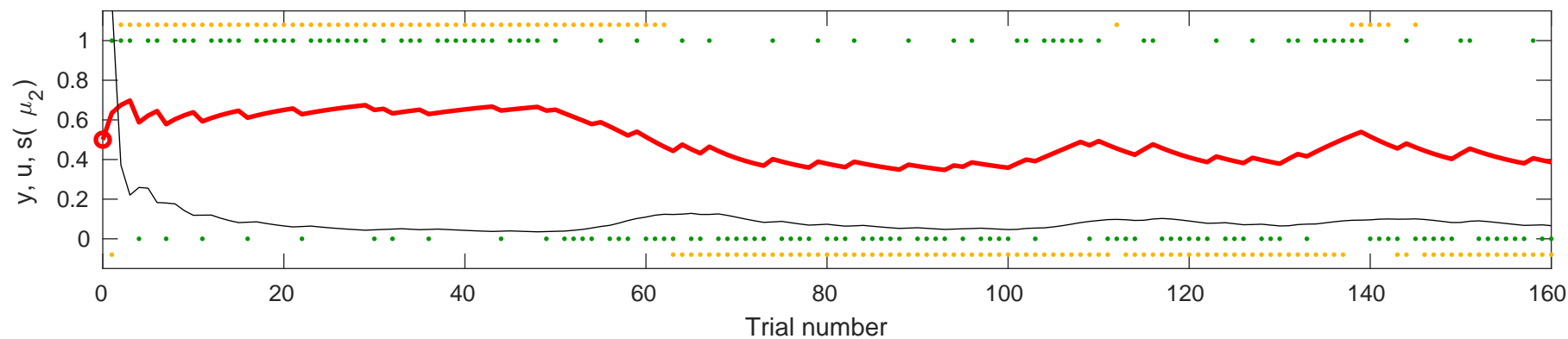


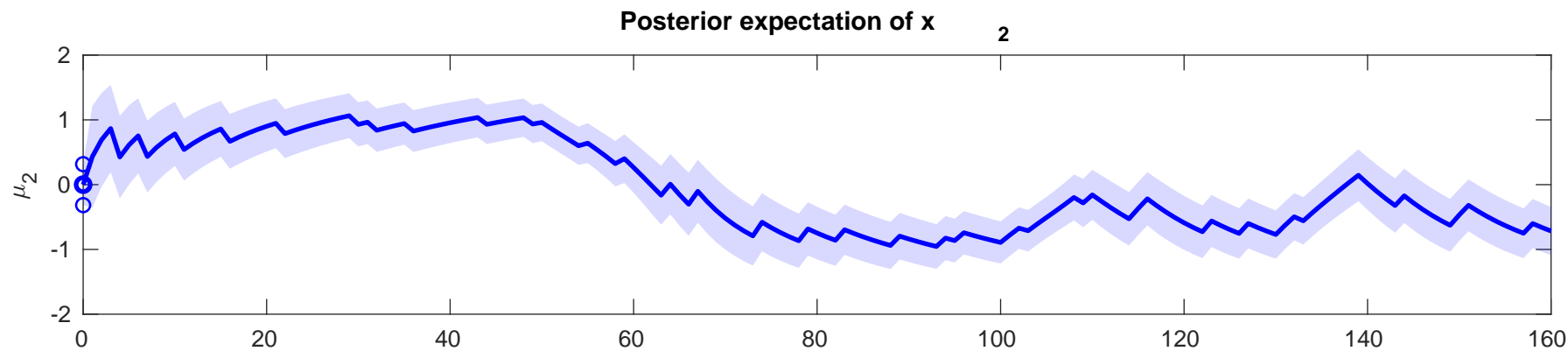
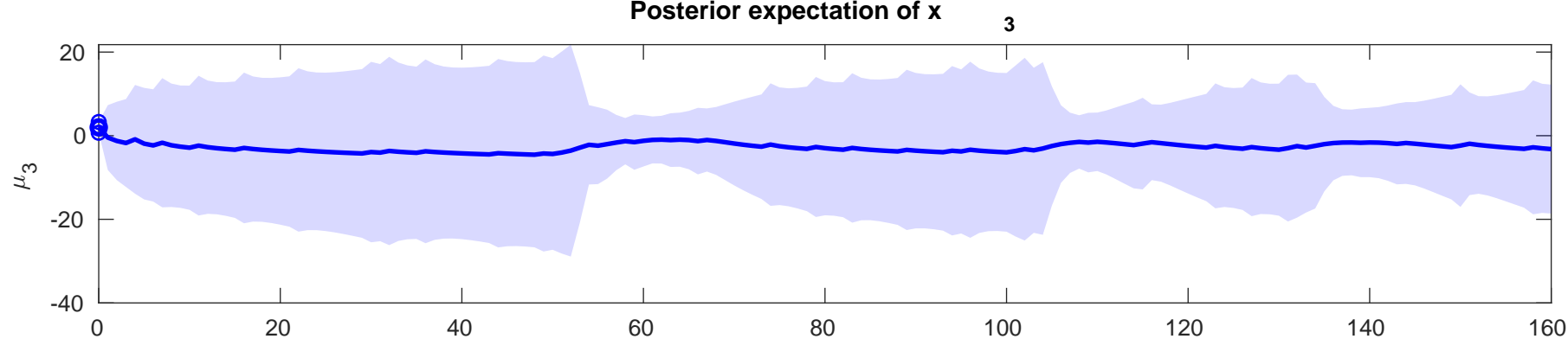
se y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0$, $\kappa=1$, $\omega=-1.0005$



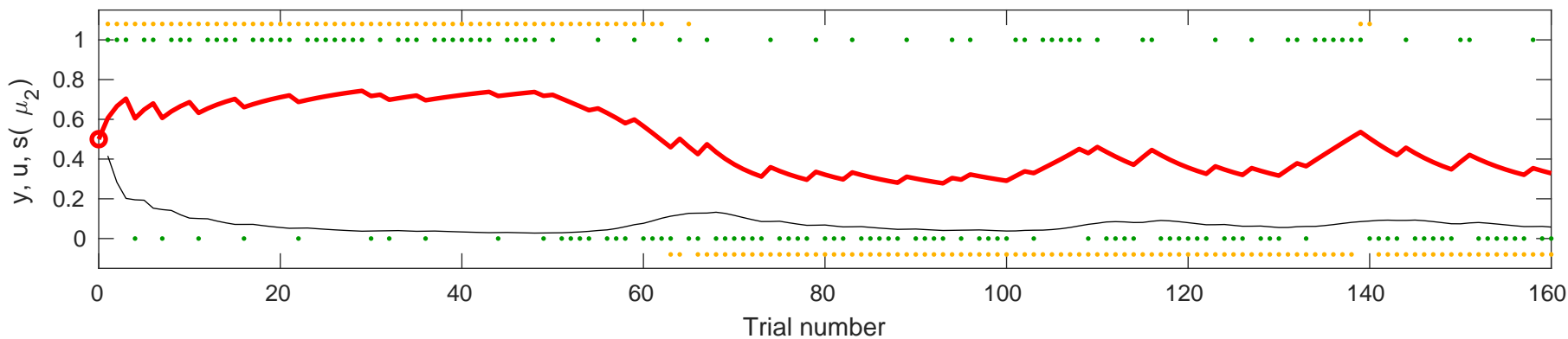


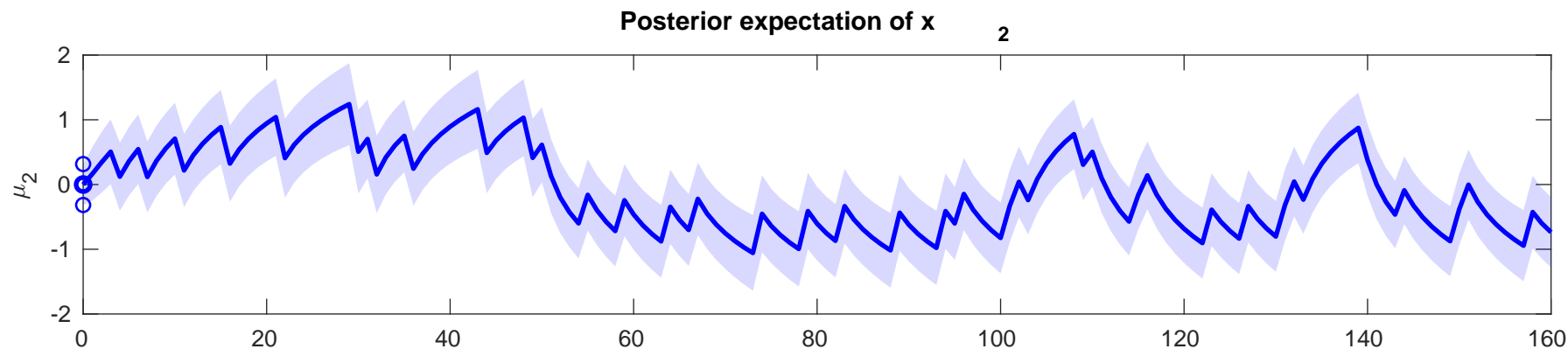
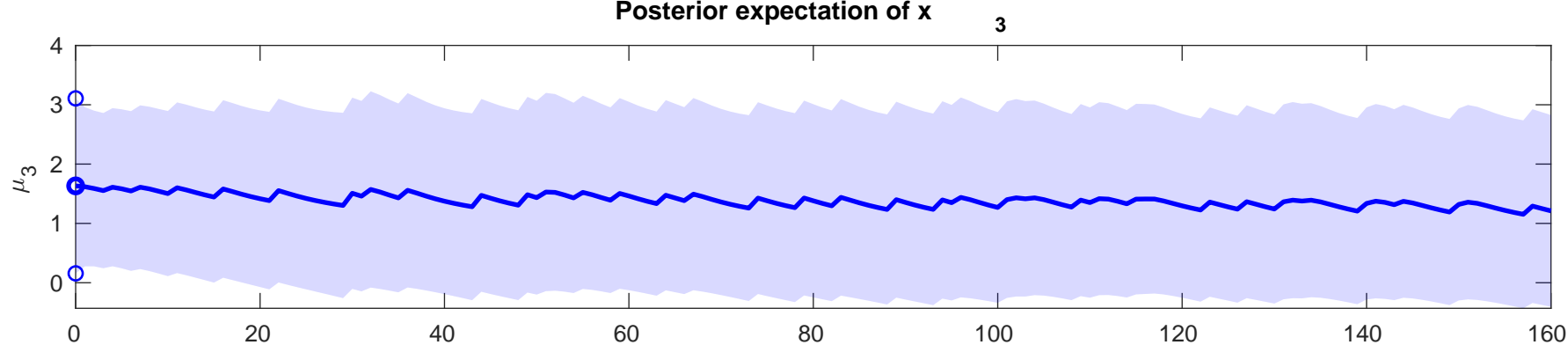
Plot showing the posterior expectation of input s (red line), target y (orange dots), input u (green dots), learning rate (fine black line), and posterior expectation of input s (μ_2) (red) for $\rho=0$, $\kappa=1$, $\omega=-0.89526$.



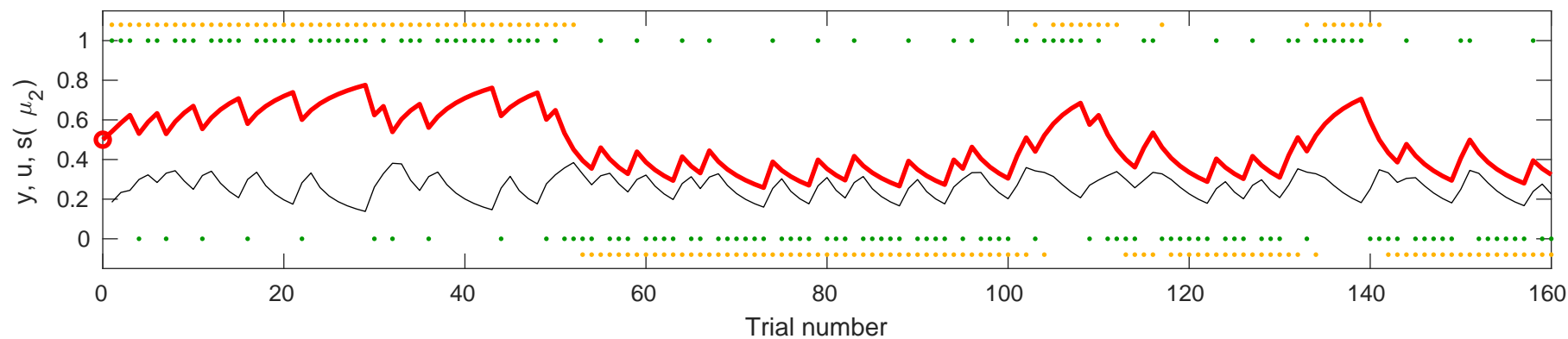


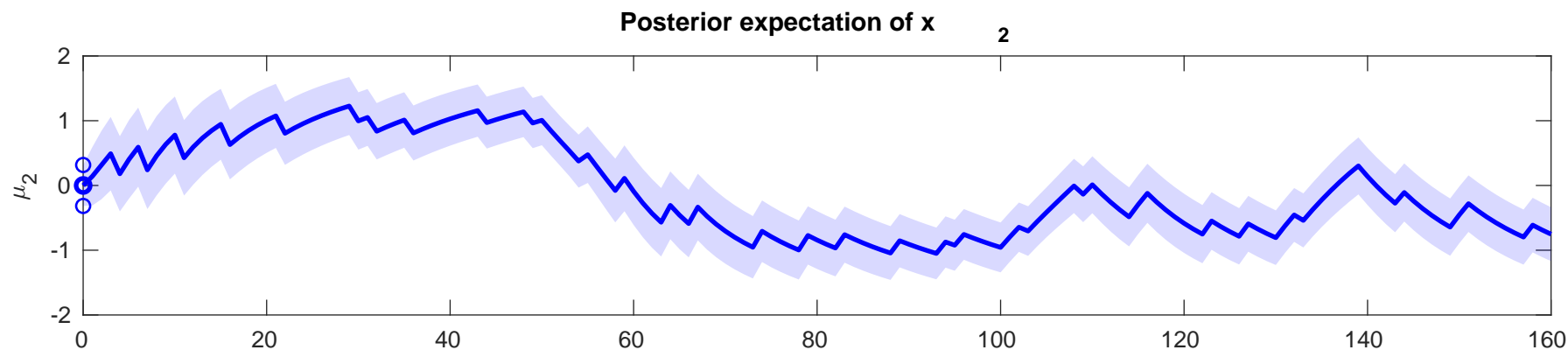
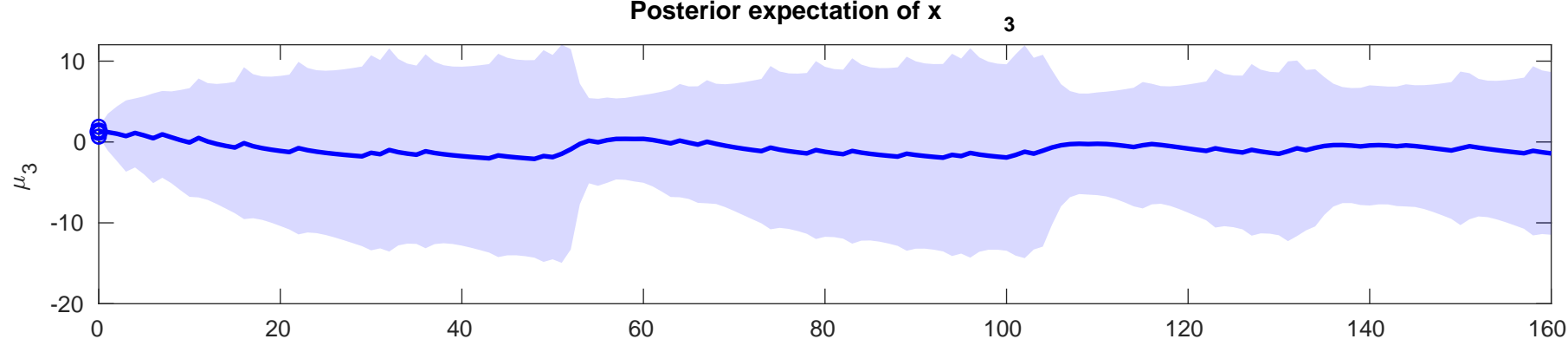
se y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0$, $\kappa=1$, $\omega=-2.2373$



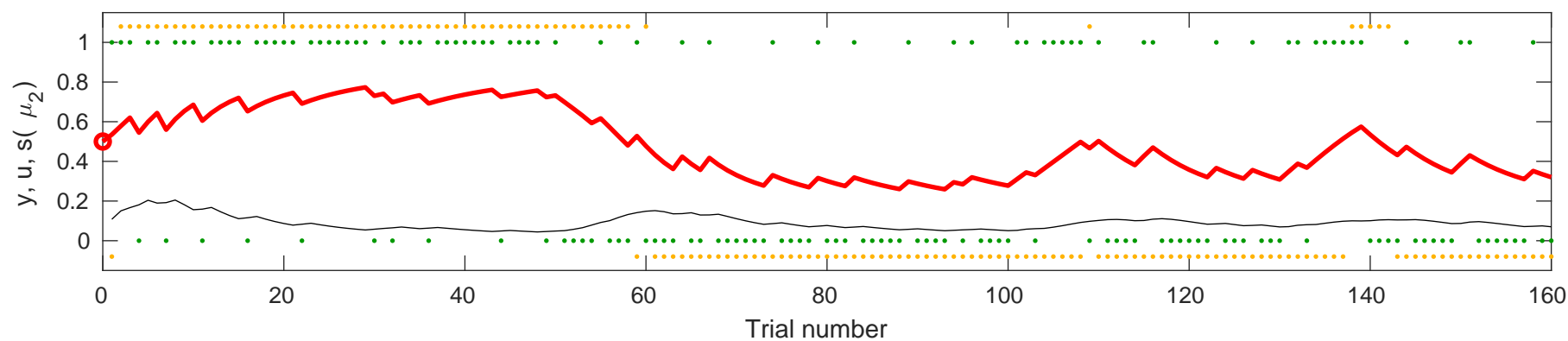


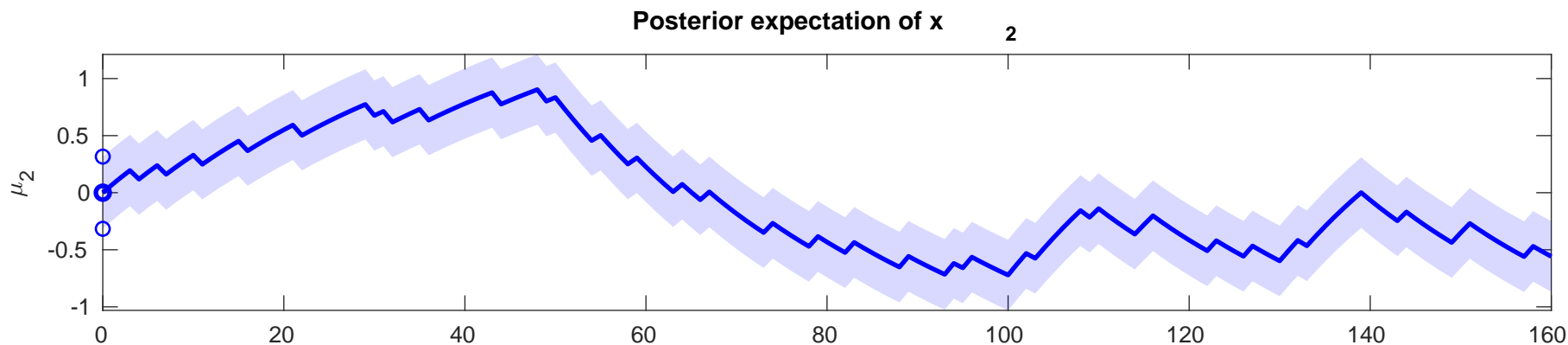
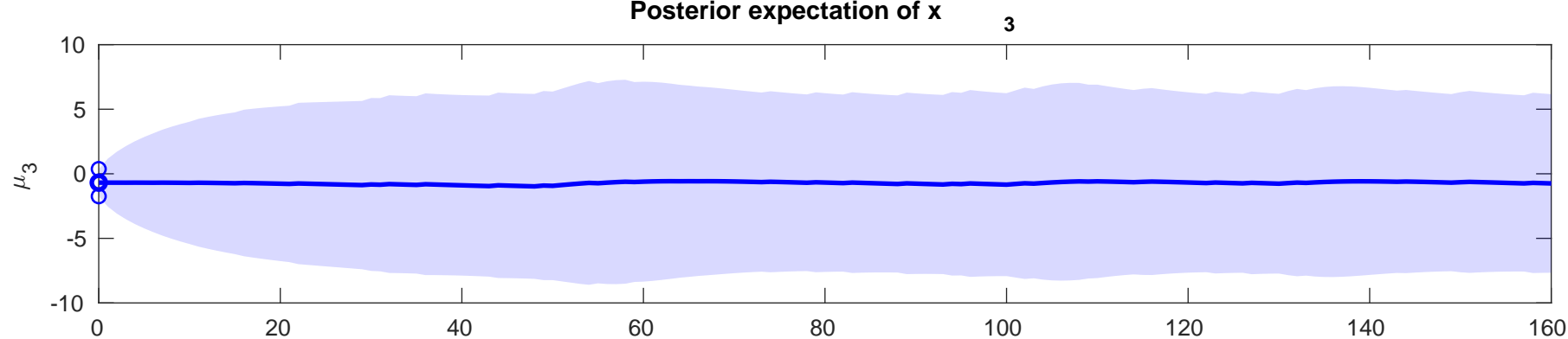
se y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0$, $\kappa=1$, $\omega=-3.9044$



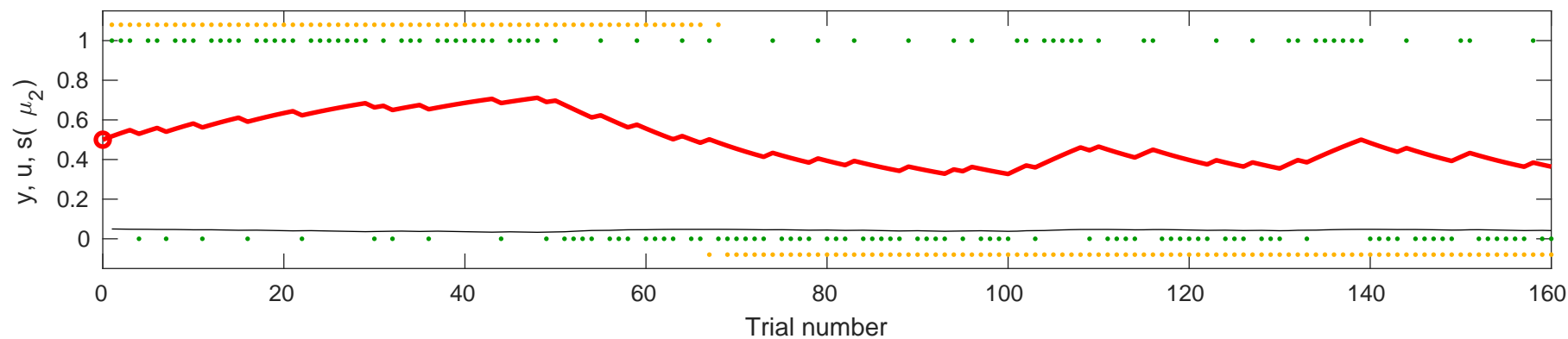


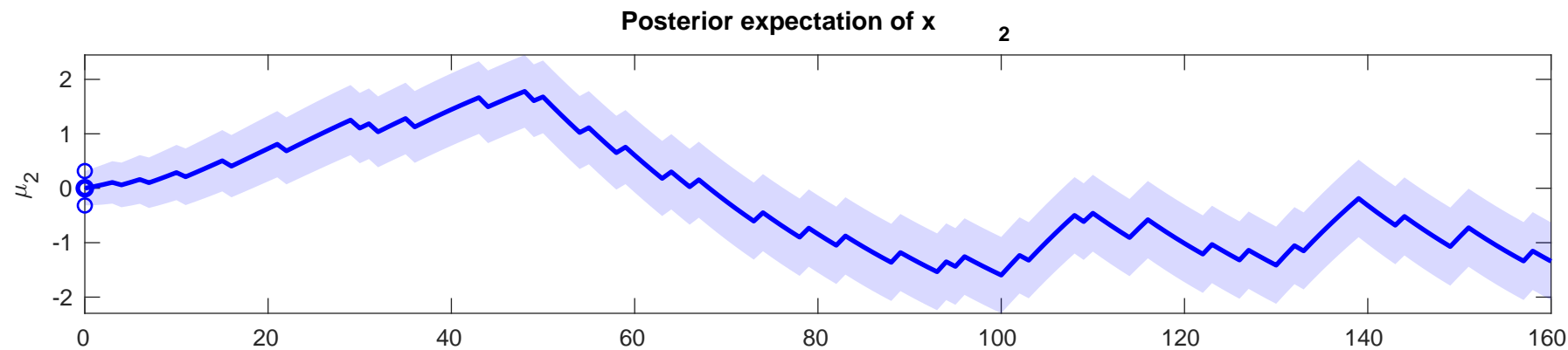
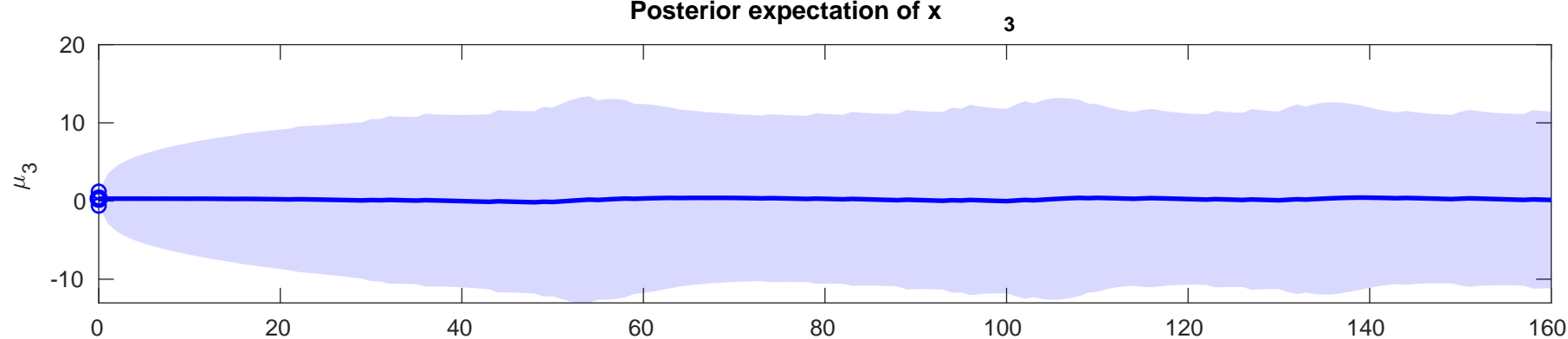
se y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0$, $\kappa=1$, $\omega=-3.3462$



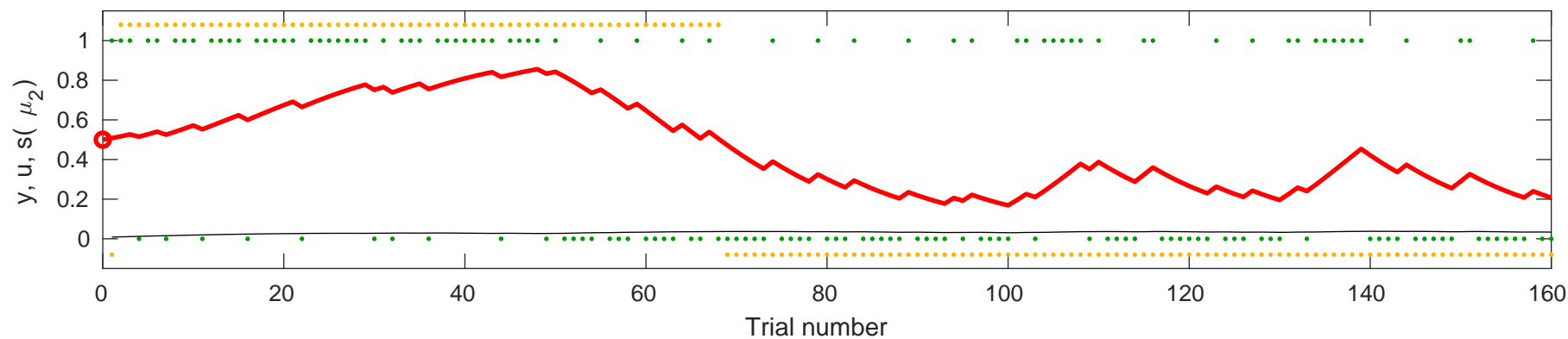


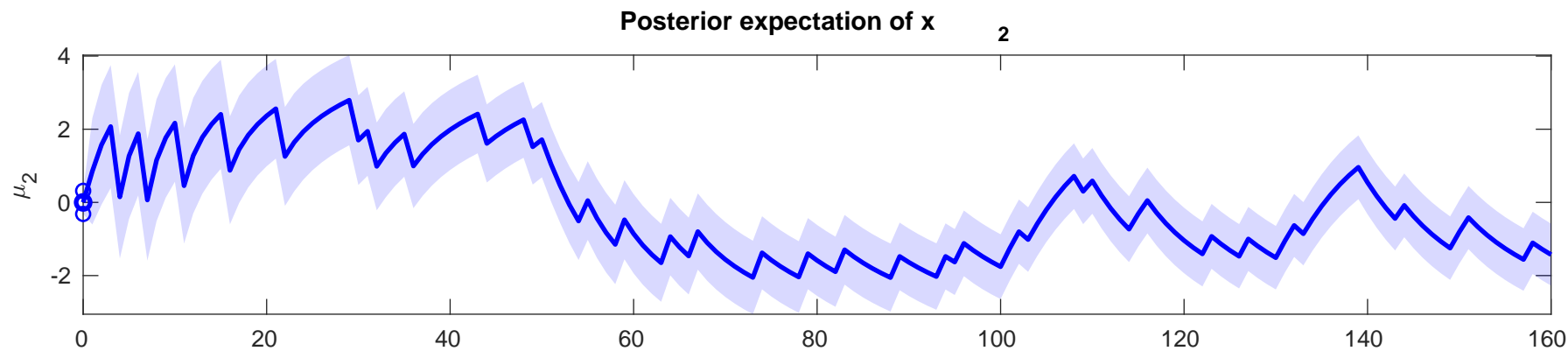
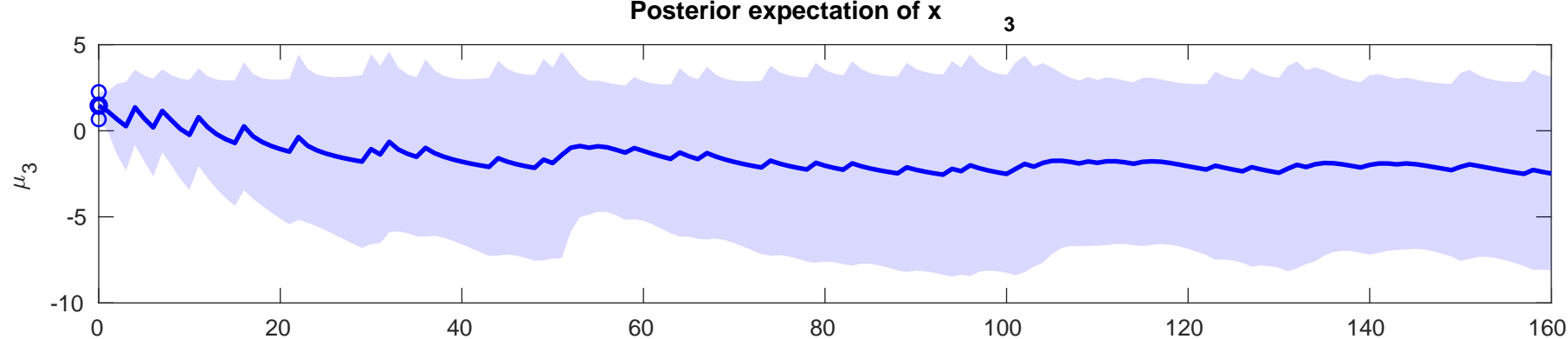
se y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0$, $\kappa=1$, $\omega=-4.7969$



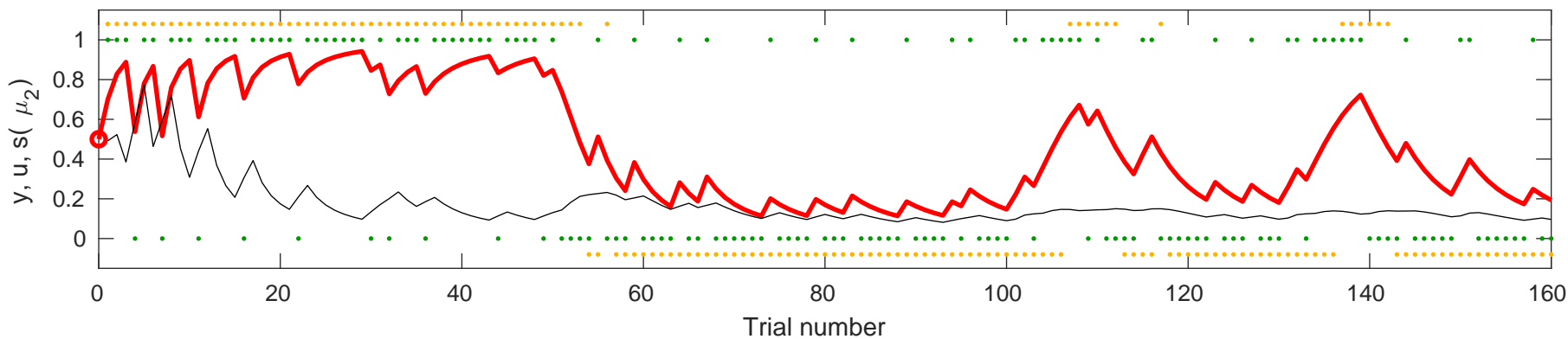


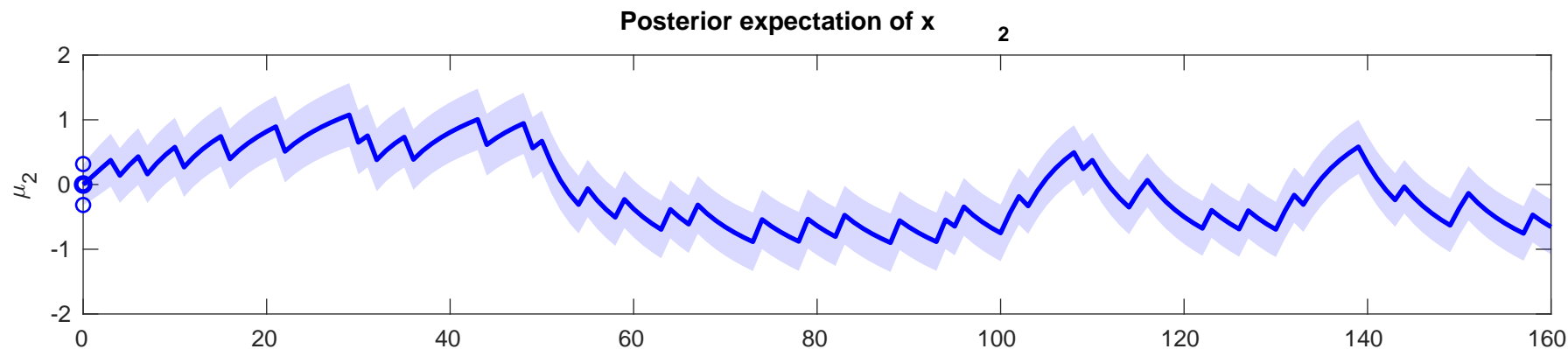
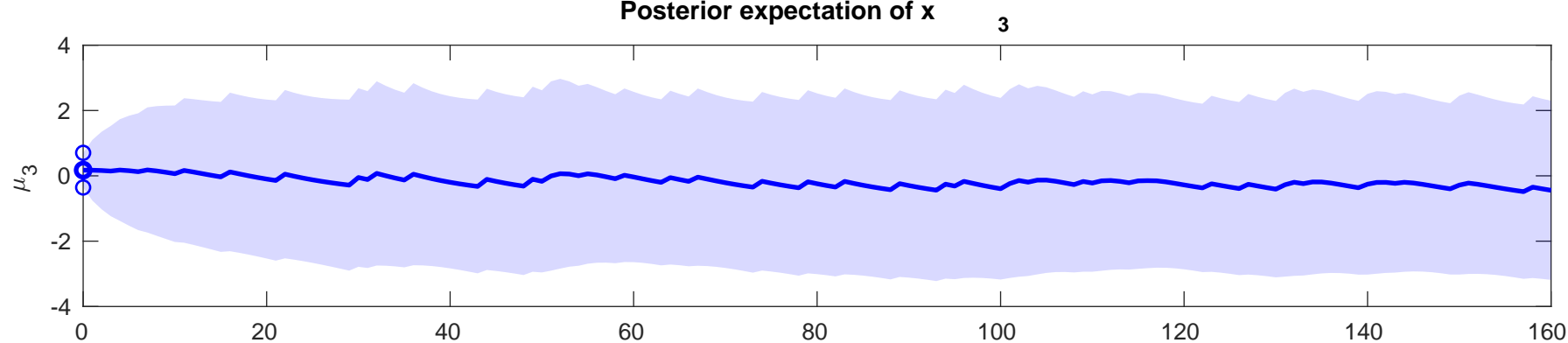
se y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0$, $\kappa=1$, $\omega=-4.2864$



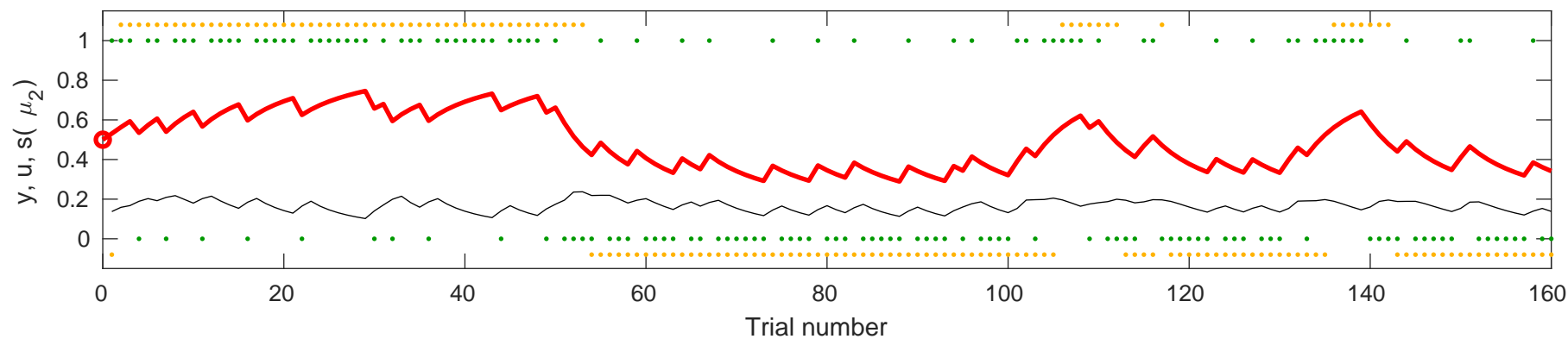


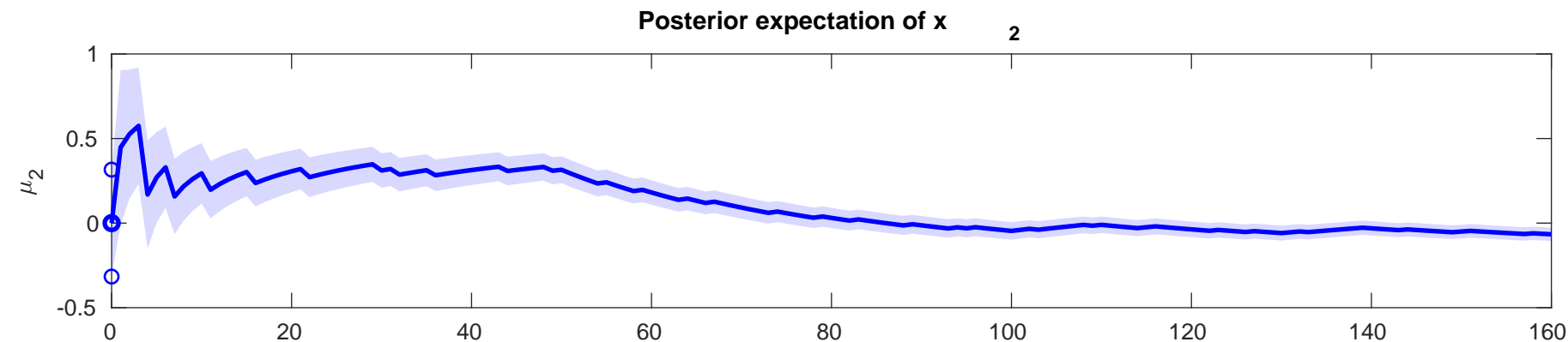
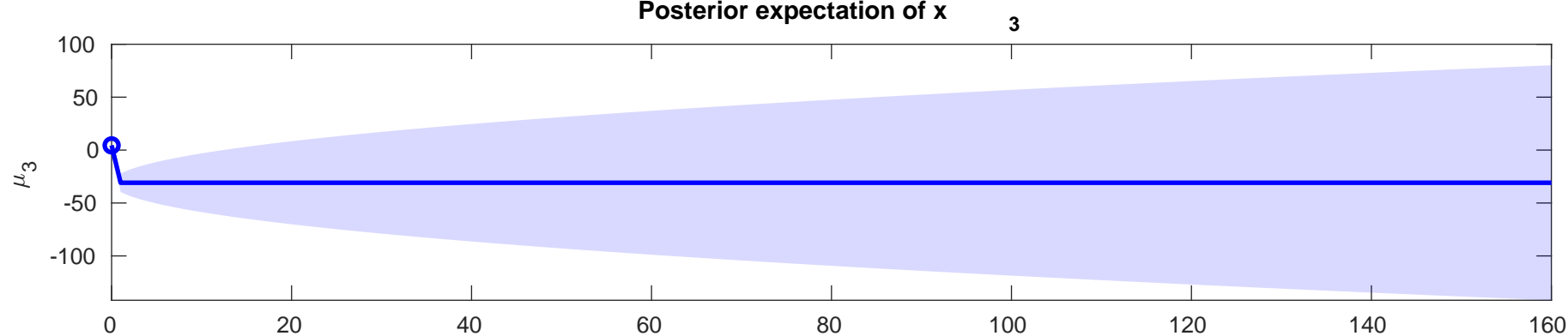
the y (orange), input u (green), learning rate (fine black), and posterior expectation of input s(μ_2) (red) for $\rho=0$, $\kappa=1$, $\omega=-0.31819$



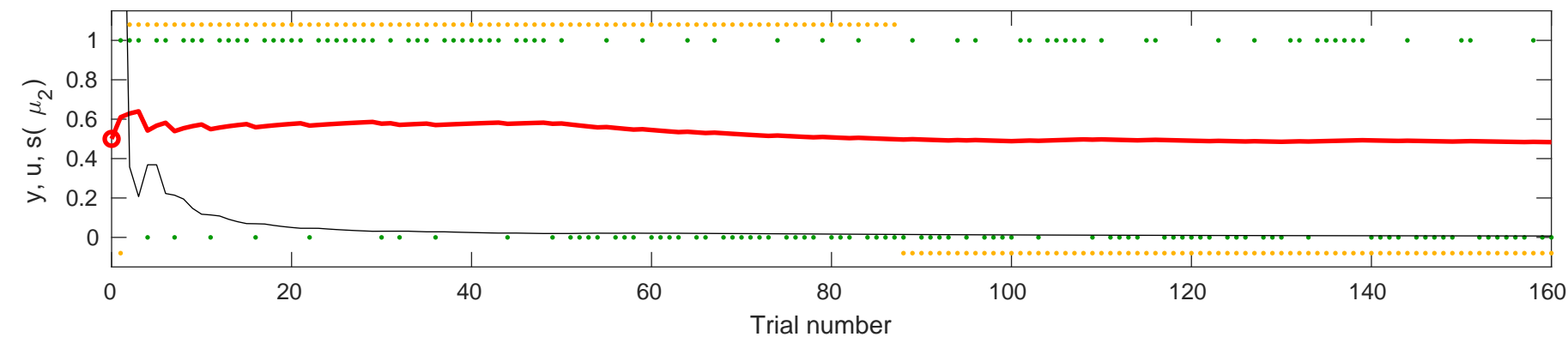


se y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0$, $\kappa=1$, $\omega=-3.2531$



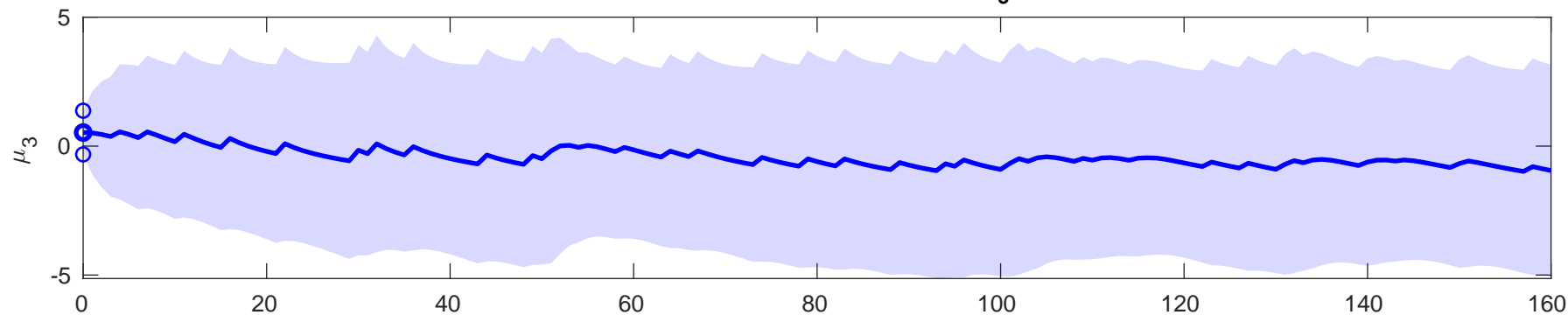


se y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0$, $\kappa=1$, $\omega=-2.7511$

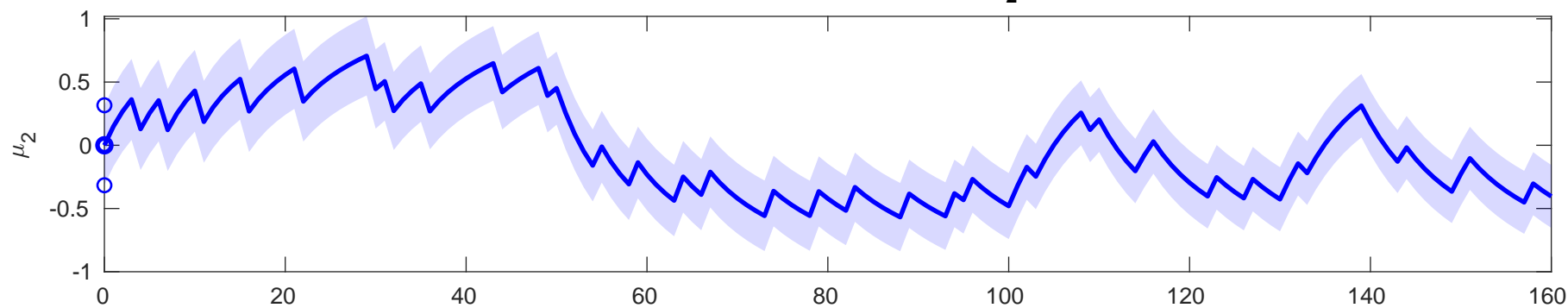


Posterior expectation of x

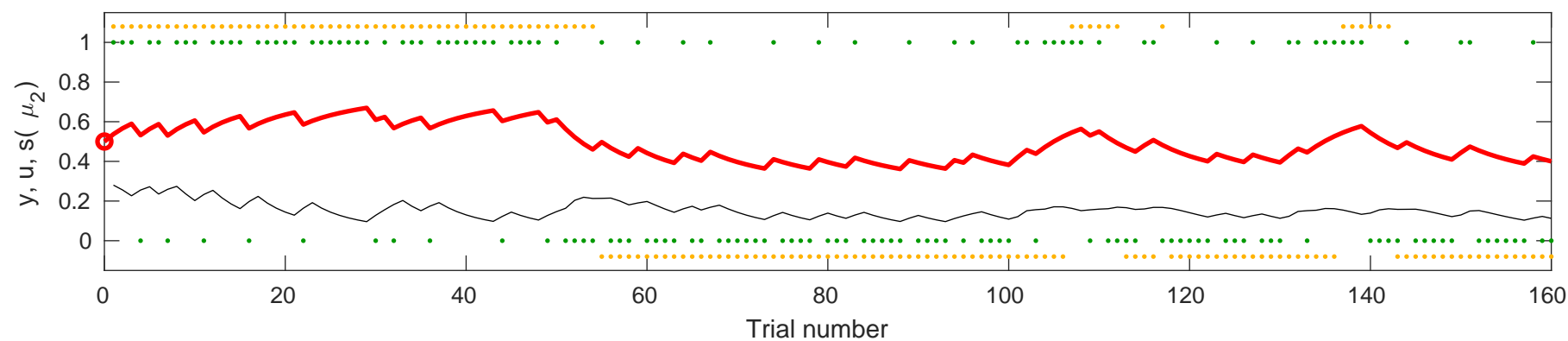
3

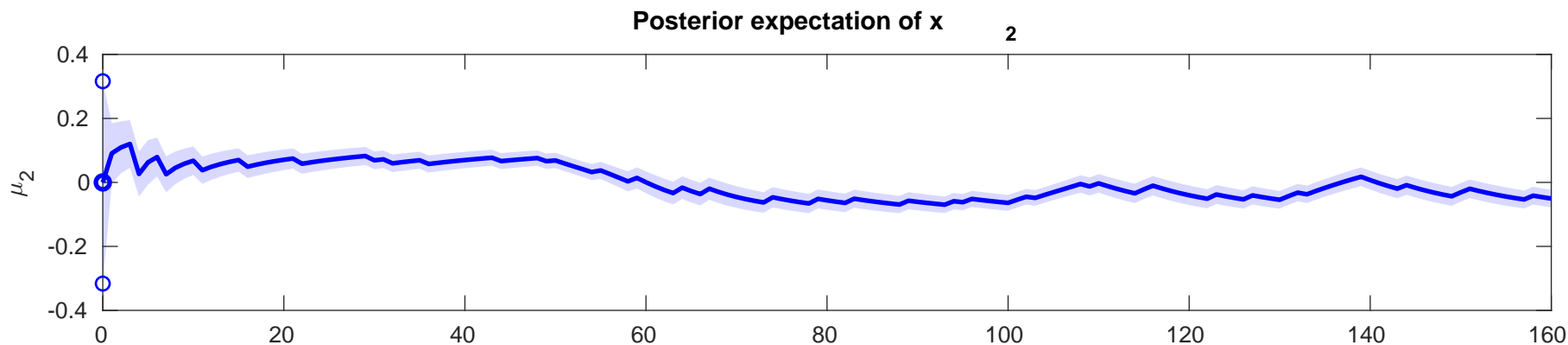
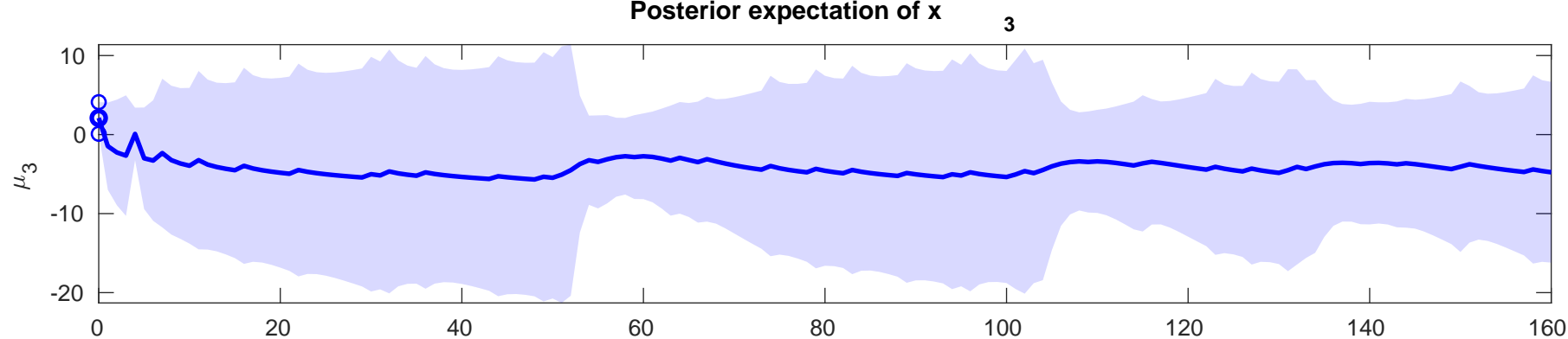
Posterior expectation of x

2

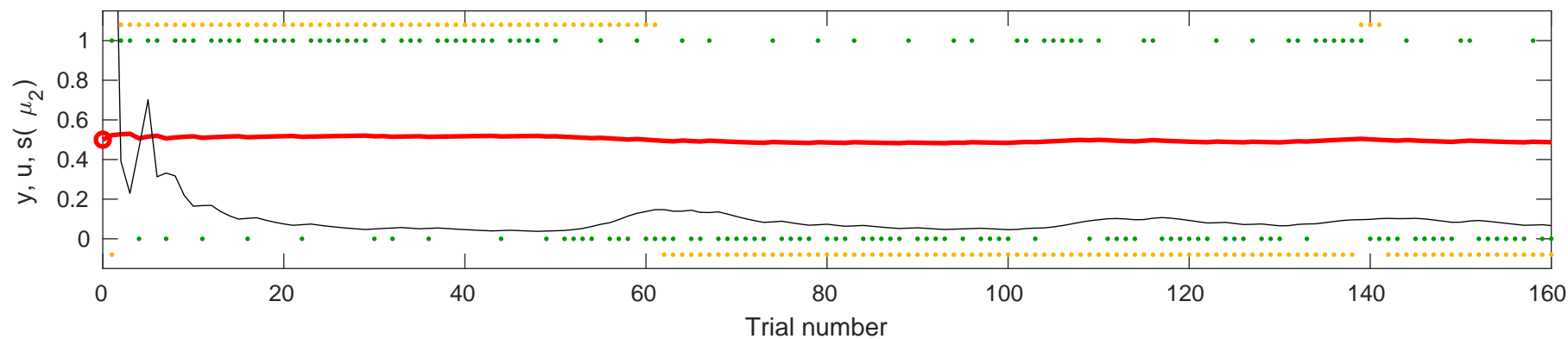


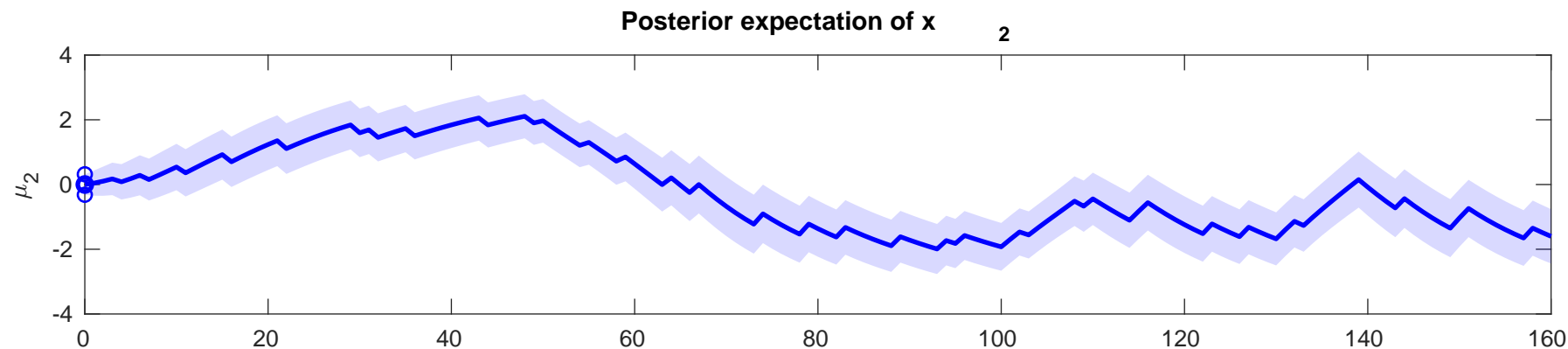
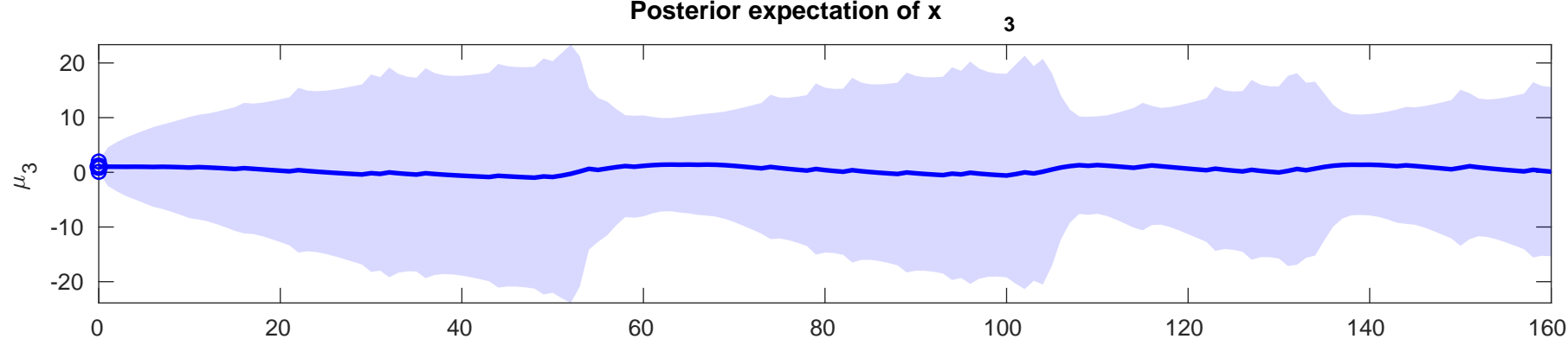
se y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0.0$, $\kappa=1$, $\omega=-4.0712$



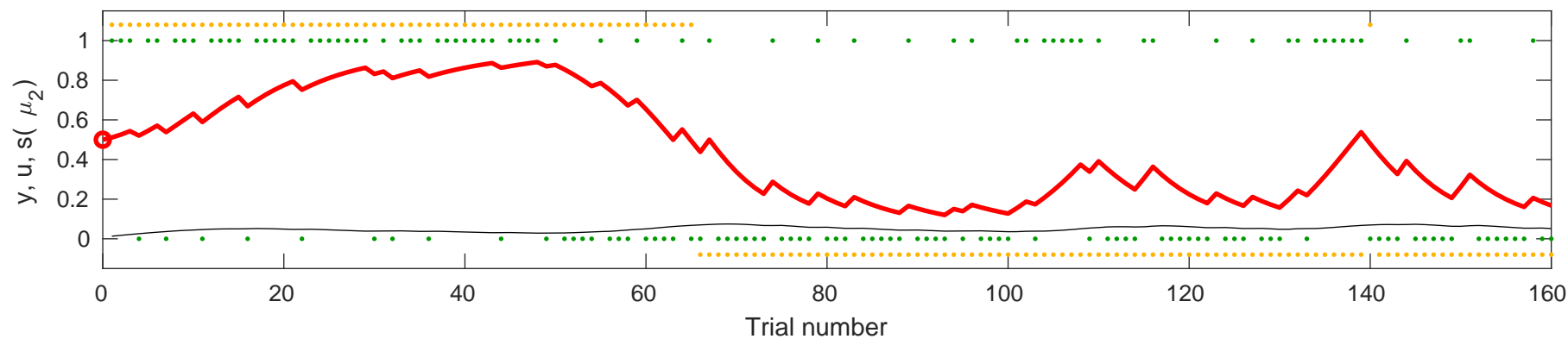


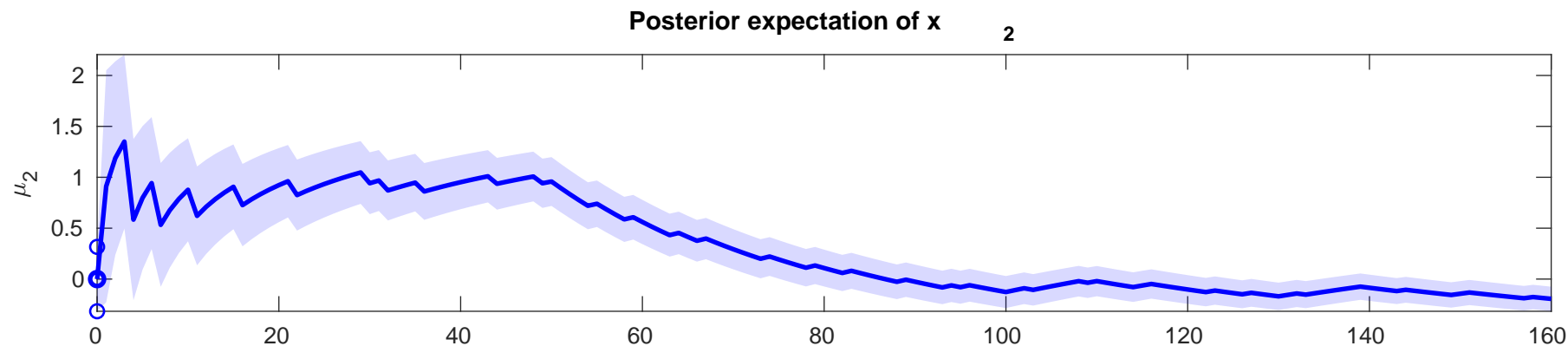
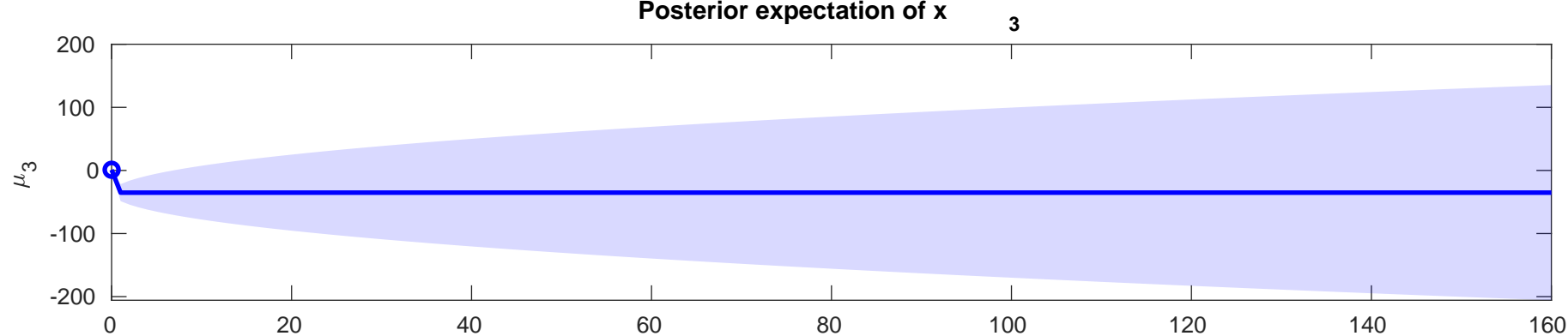
se y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0$, $\kappa=1$, $\omega=-5.5589$



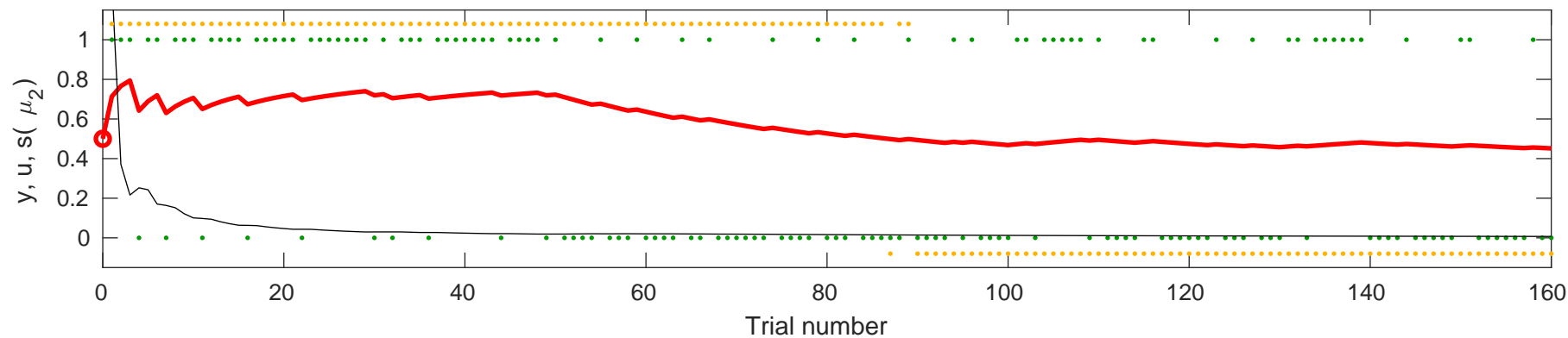


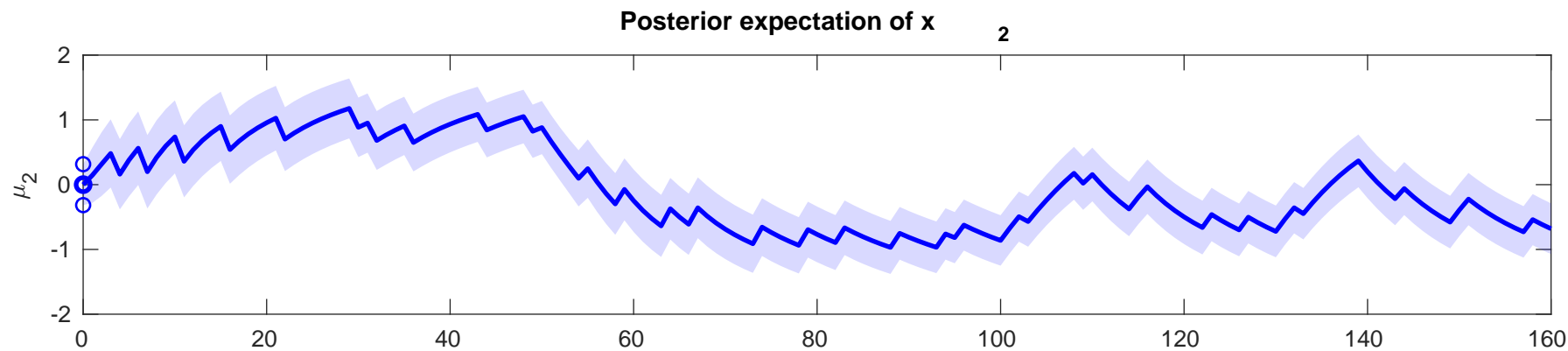
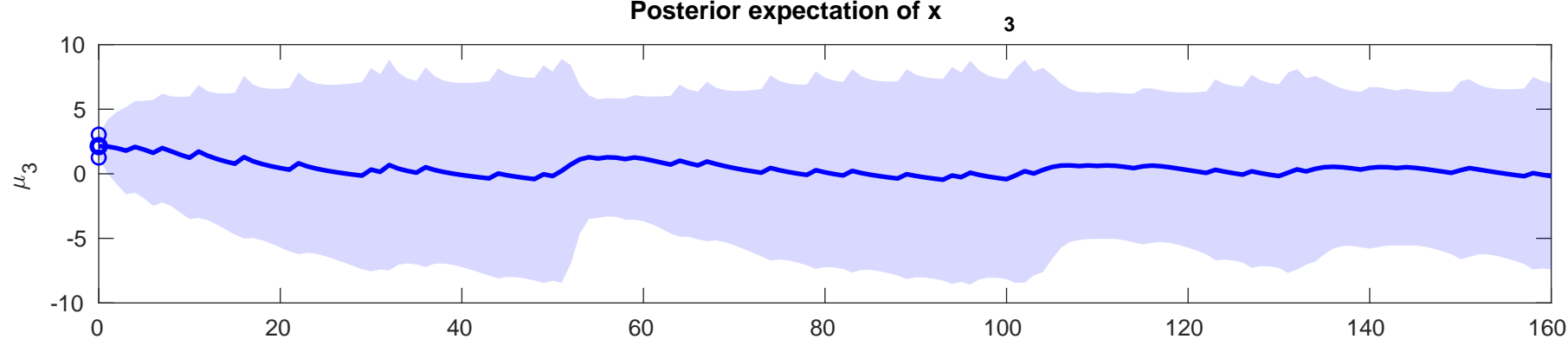
se y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0$, $\kappa=1$, $\omega=-3.9361$



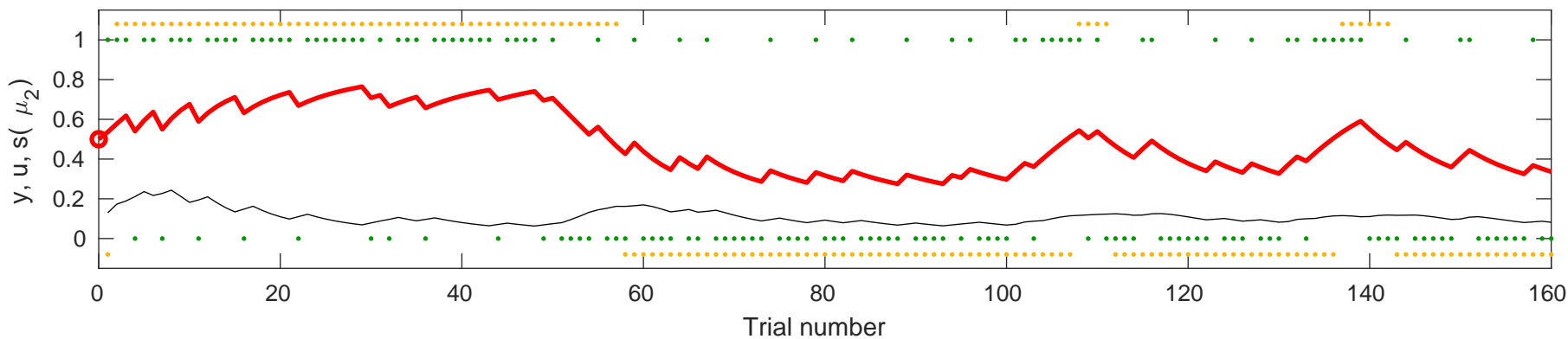


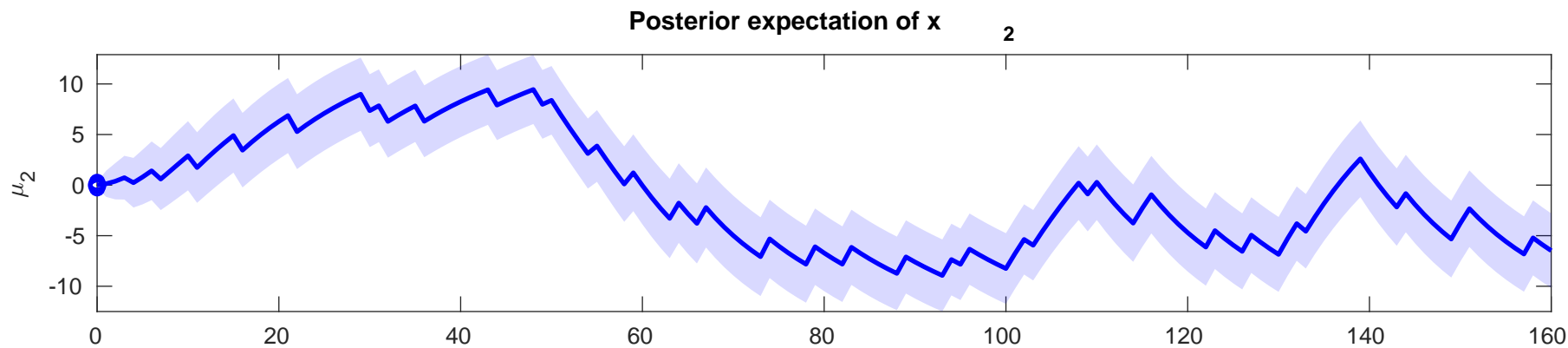
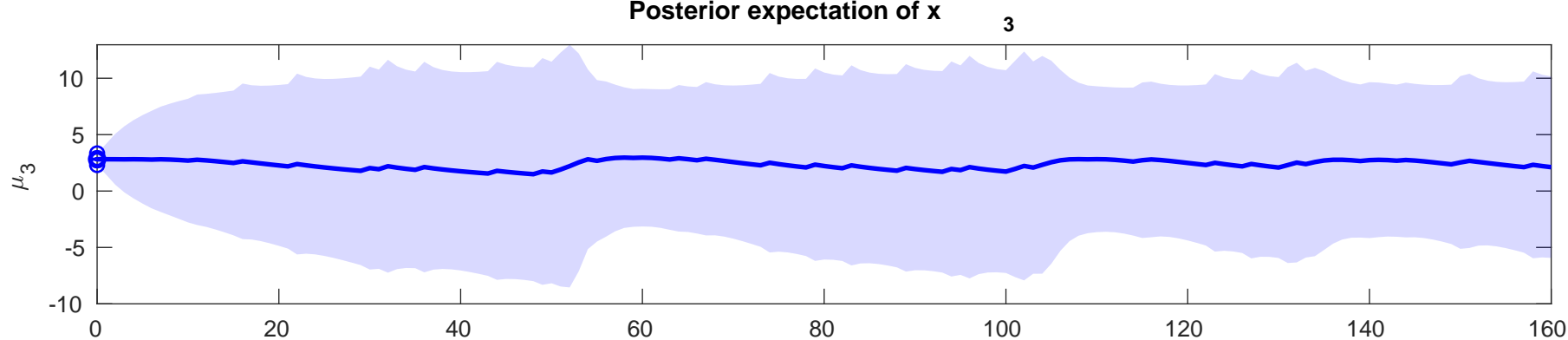
Plot showing the posterior expectation of x_2 (Y-axis, μ_2) versus Trial number (X-axis, 0 to 160). The expectation starts at 0, rises to a peak of approximately 1.3 around trial 5, and then gradually decreases towards 0. The shaded region represents the uncertainty, which is highest initially and decreases over time.



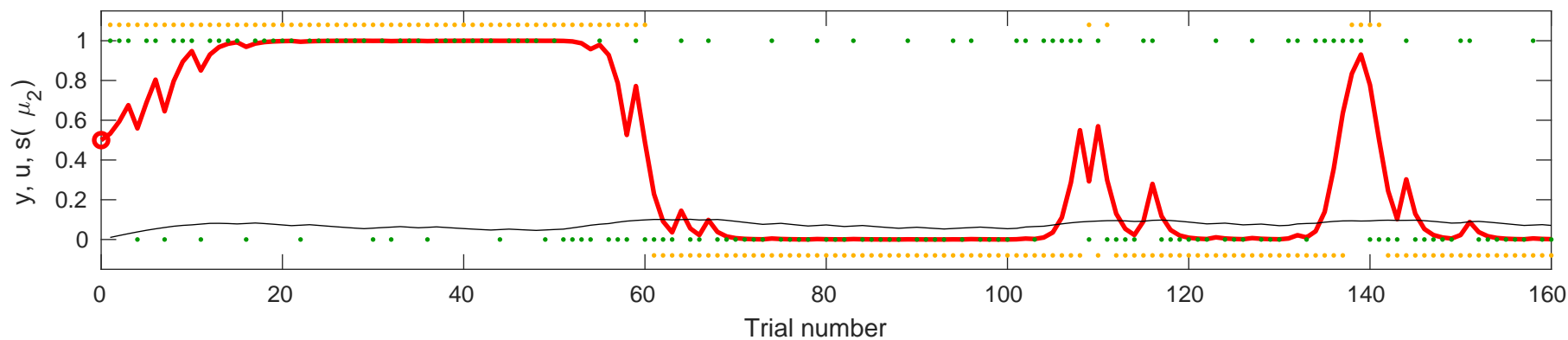


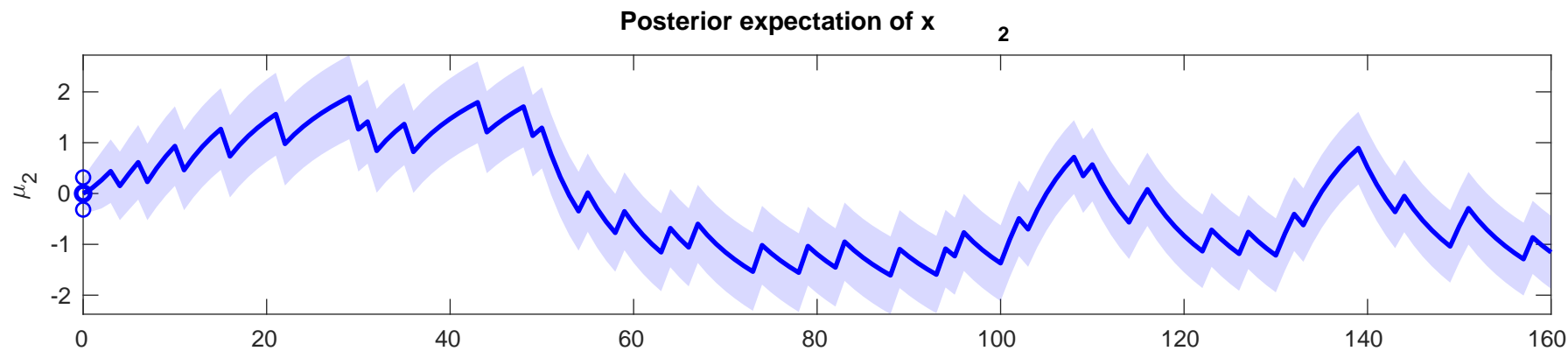
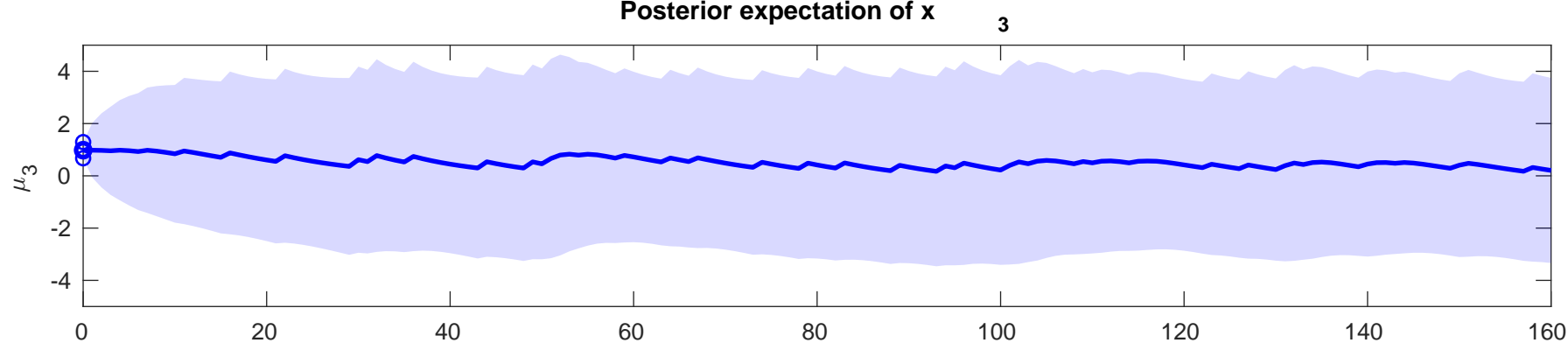
se y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0$, $\kappa=1$, $\omega=-4.3867$



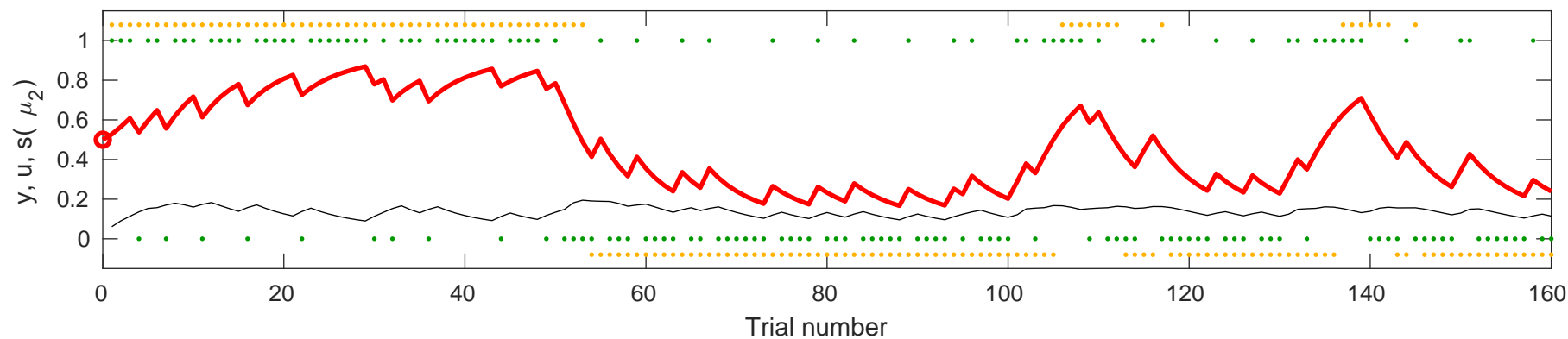


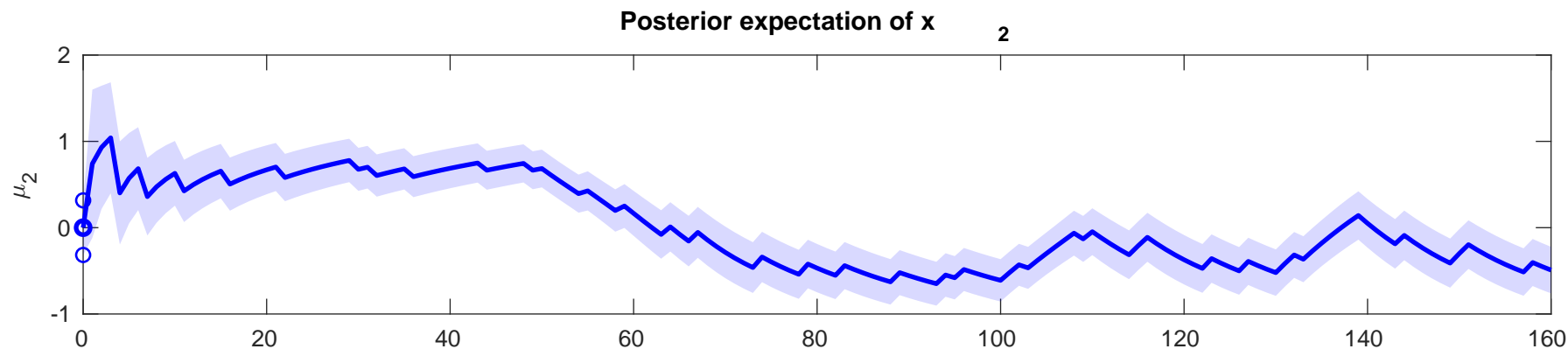
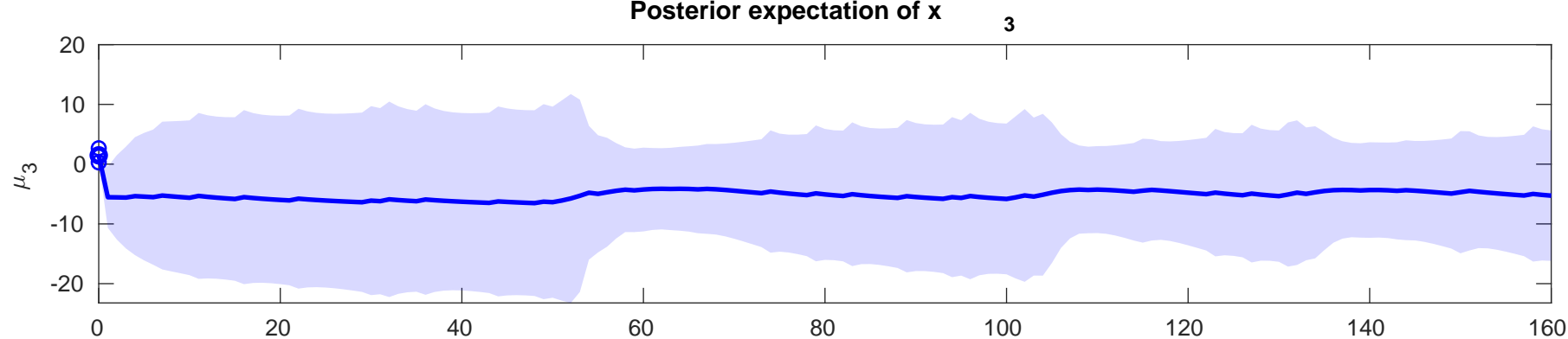
se y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0$, $\kappa=1$, $\omega=-2.3482$



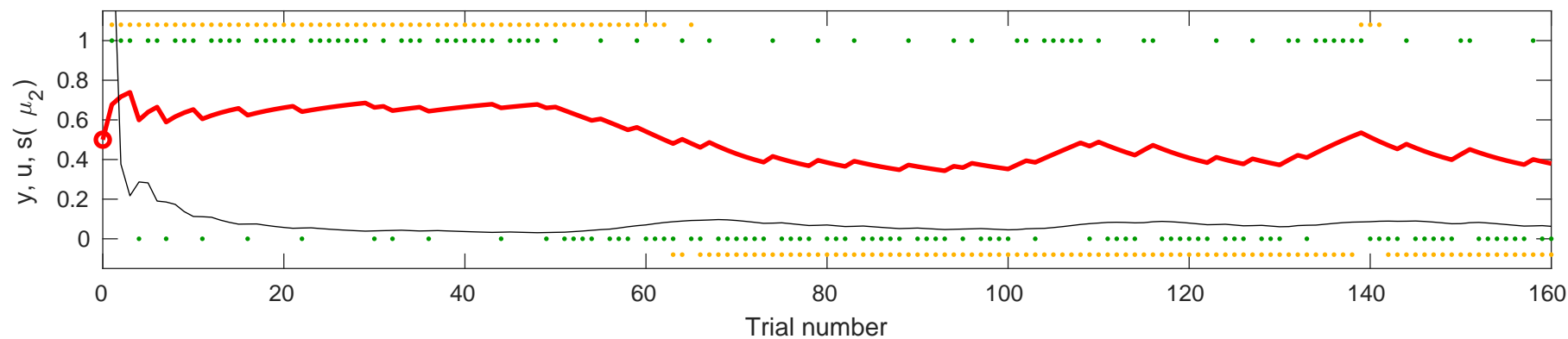


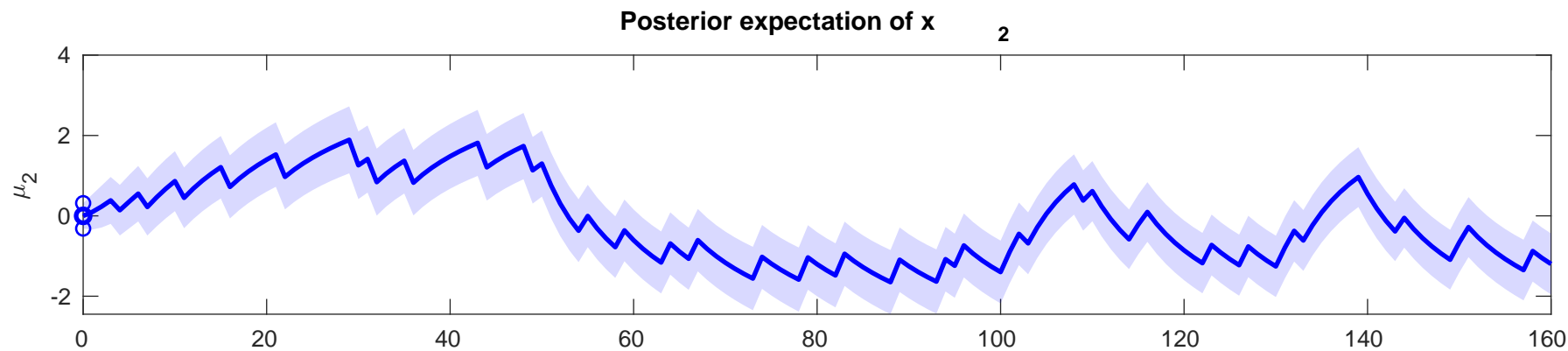
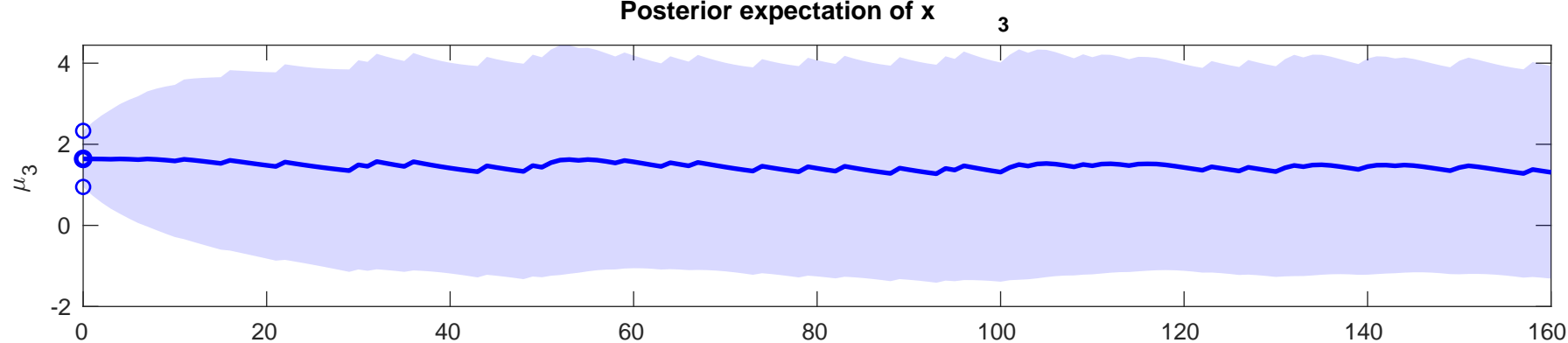
se y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0.0$, $\kappa=1$, $\omega=-3.0517$



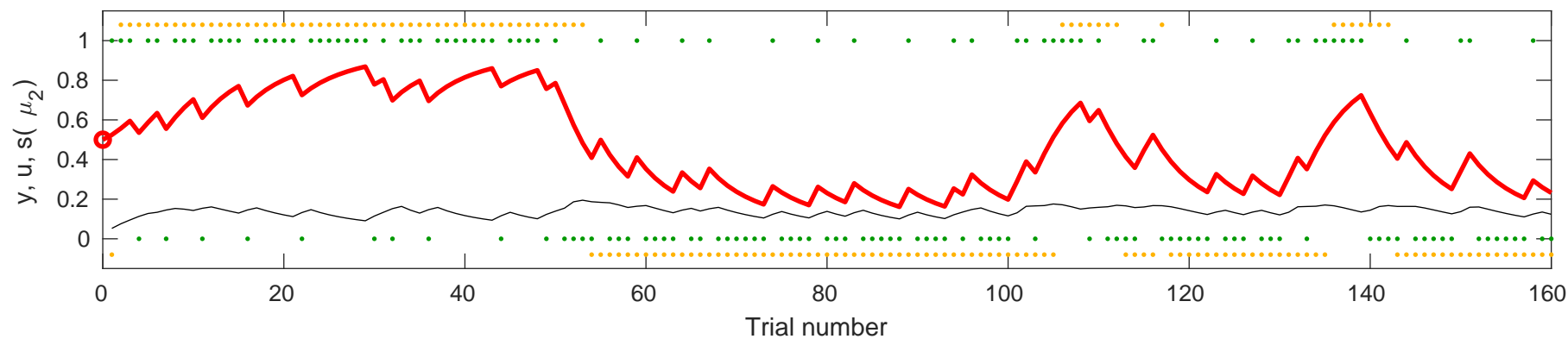


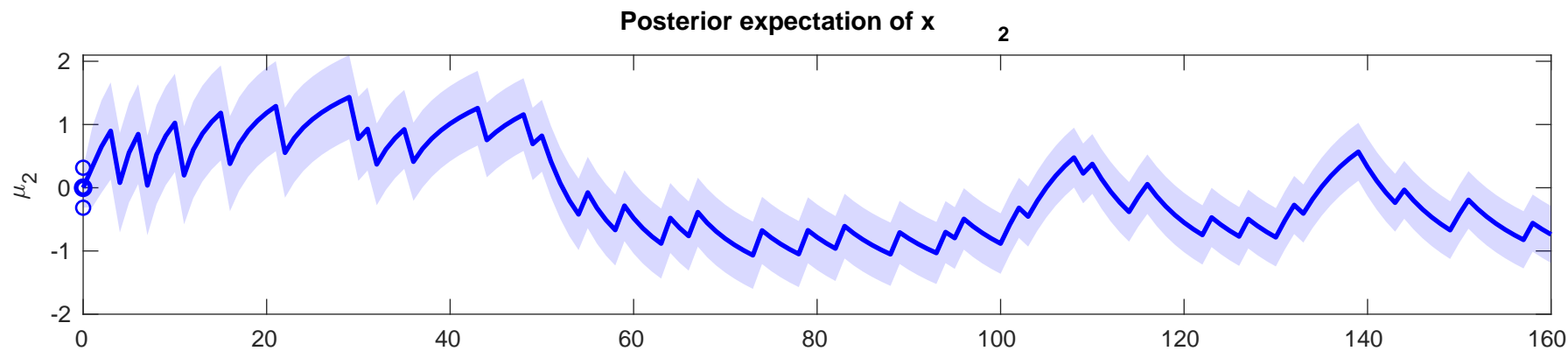
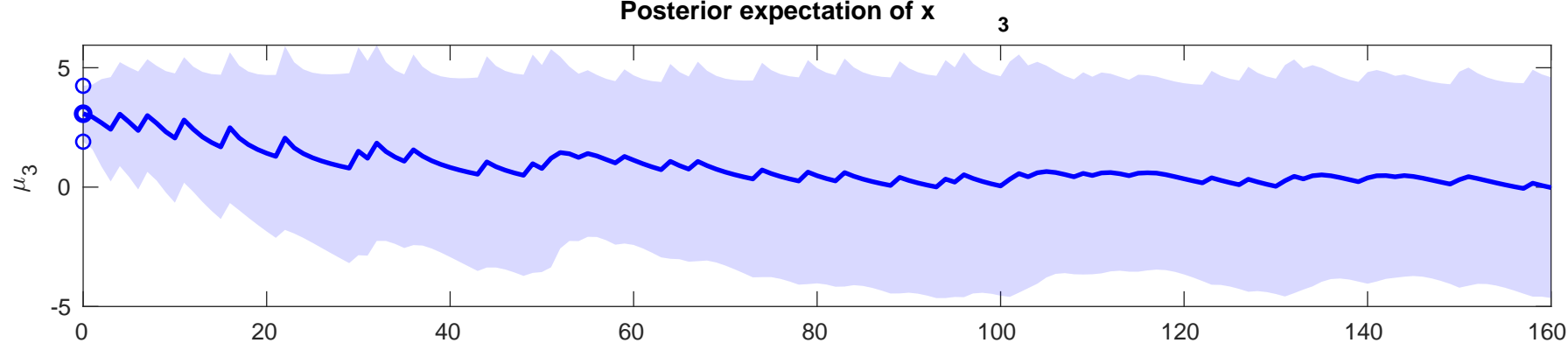
the y (orange), input u (green), learning rate (fine black), and posterior expectation of input s(μ_2) (red) for $\rho=0$, $\kappa=1$, $\omega=-0.45382$



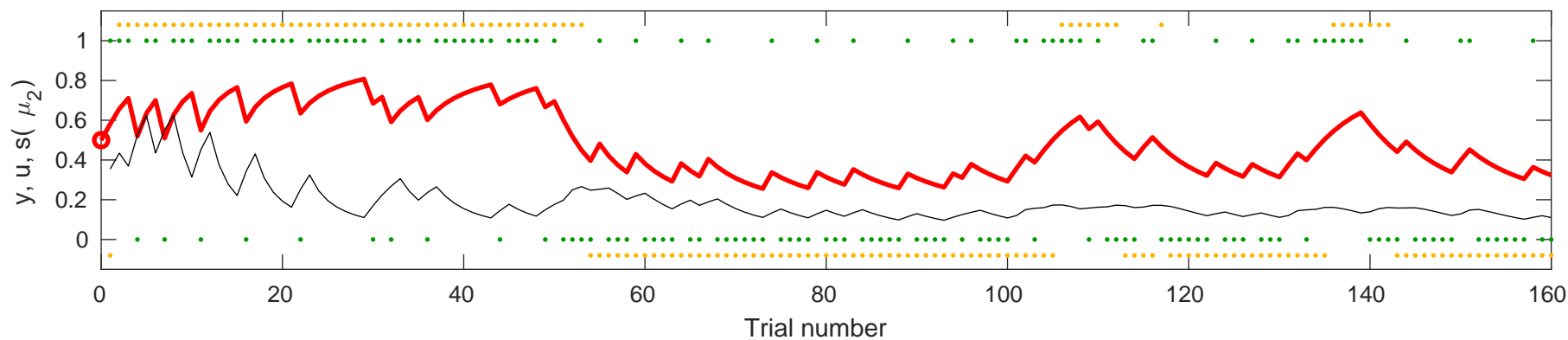


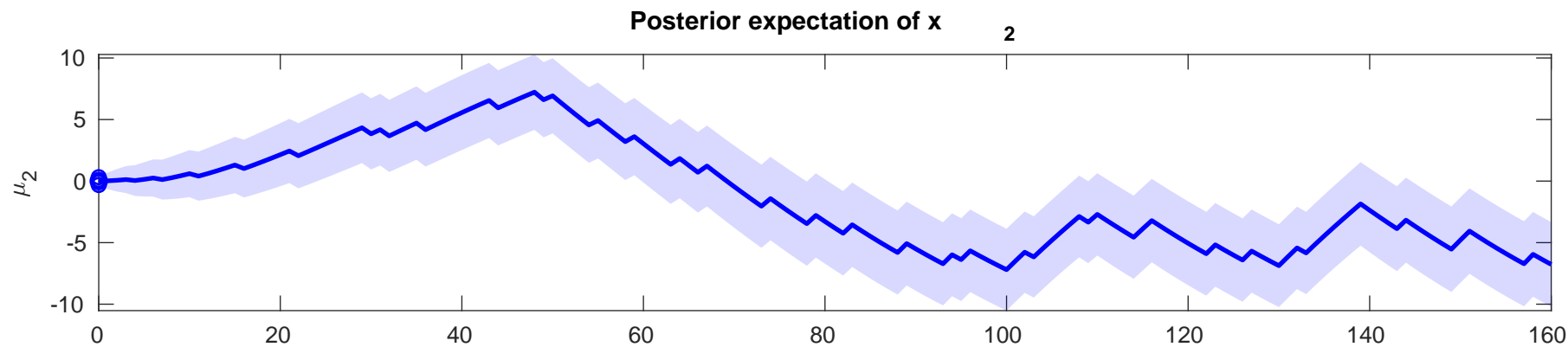
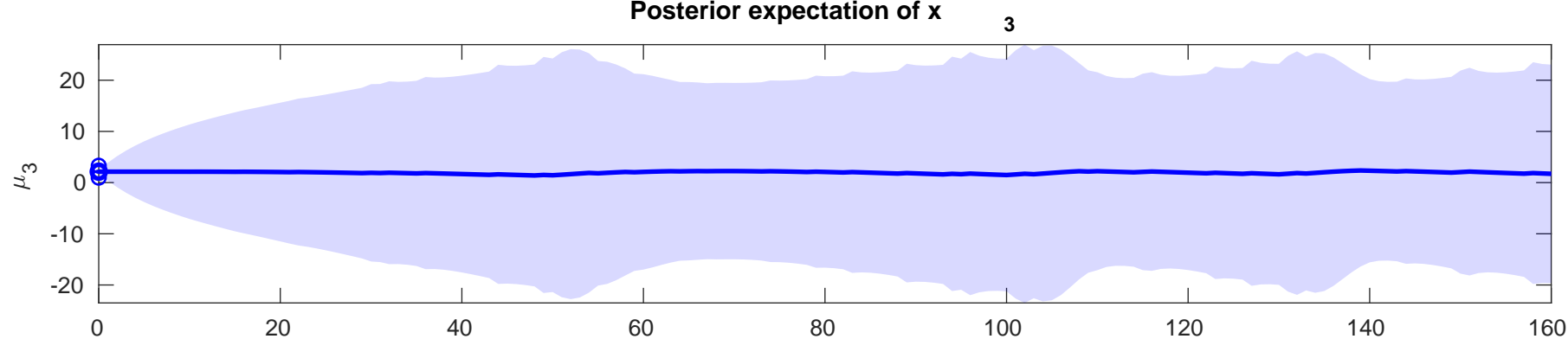
se y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0.0$, $\kappa=1$, $\omega=-3.9267$





se y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0$, $\kappa=1$, $\omega=-3.8676$





use y (orange), input u (green), learning rate (fine black), and posterior expectation of input $s(\mu_2)$ (red) for $\rho=0.0$, $\kappa=1$, $\omega=-3.128$

