b. a.  $\theta_{slope_{1,\,2}}$  $\theta_{slope_{1,\,3}}$  $\sigma_{\epsilon_1}$  $\theta_{slope_{1,\,1}}$  $\mu_{1} \\$  $\mu_2$ 282.5 25 20 20 280.0 90 289.5 0 277.5 289.0 -10 275.0 288.5 -20 -2080 1000 2000 1000 2000 1000 2000 1000 2000 1000 2000 1000 2000  $\theta_{slope_{1,\,4}}$  $\theta_{slope_{1,\,5}}$  $\theta_{slope_{1,\,6}}$  $\theta_{slope}$  $\sigma_{\epsilon_2}$  $\sigma_{\theta_{slope}}$ 6.4 76.5 6.2 -76.0 2.2 -6.0 0 75.5 -10 10 75.0 -5.6 --200 1000 2000 0 1000 2000 0 1000 2000 1000 2000 1000 2000 1000 2000 Chain