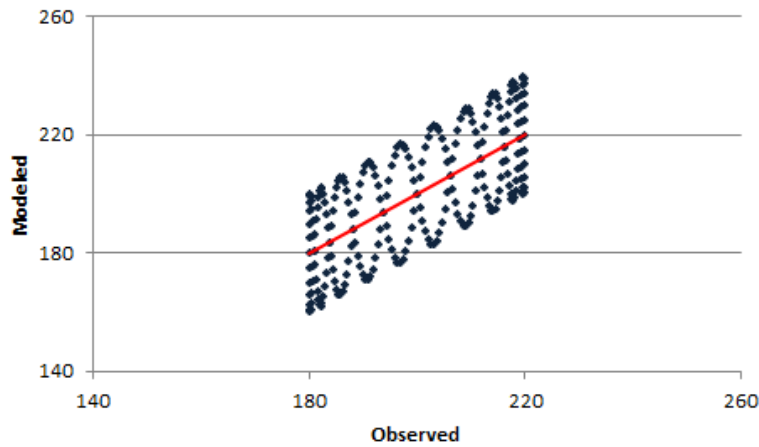
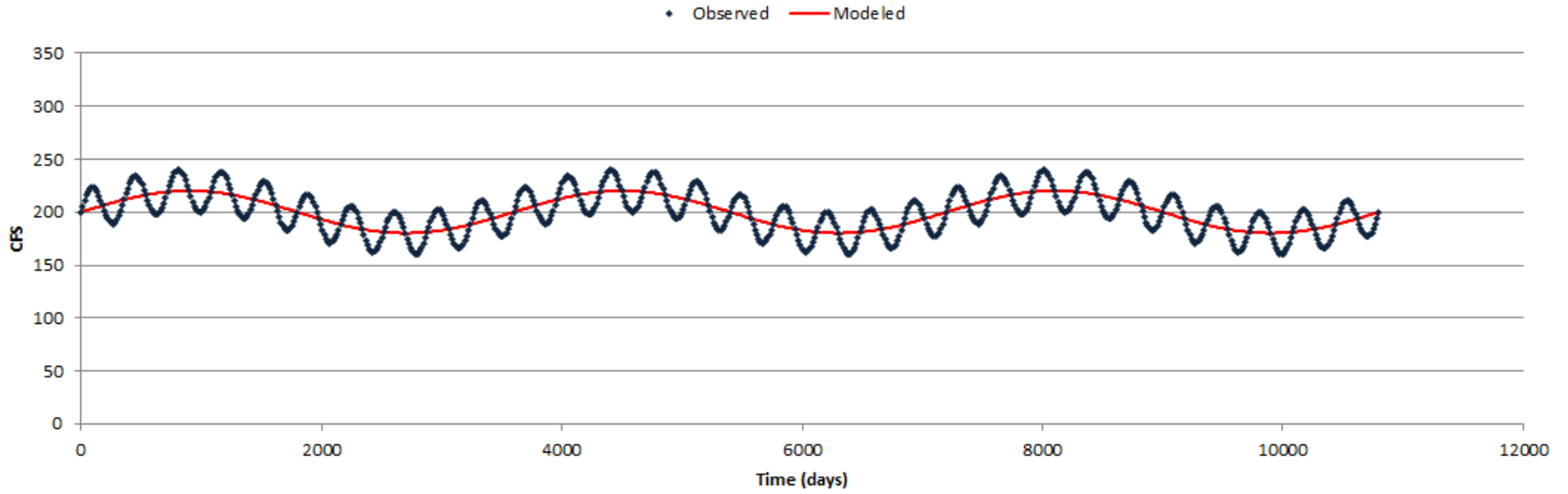


Hypothetical time series of observed and modeled flows: Long-term cycle + annual cycle

Case 1

Long-term amplitude: 20 cfs Long-term mean: 200 cfs
Seasonal amplitude: 20 cfs Long-term period: 10 years

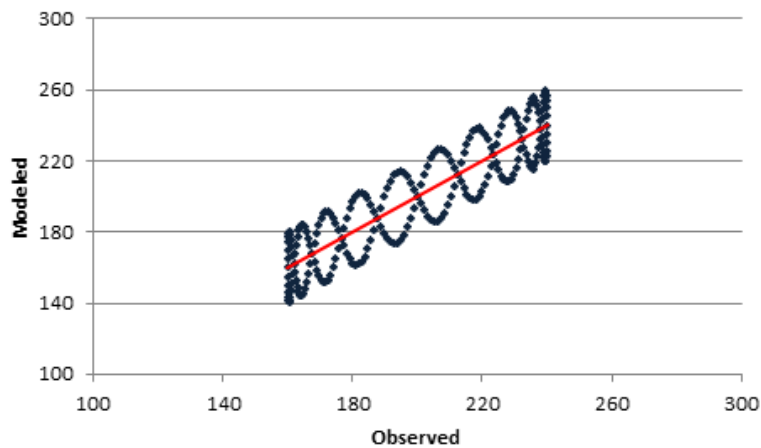
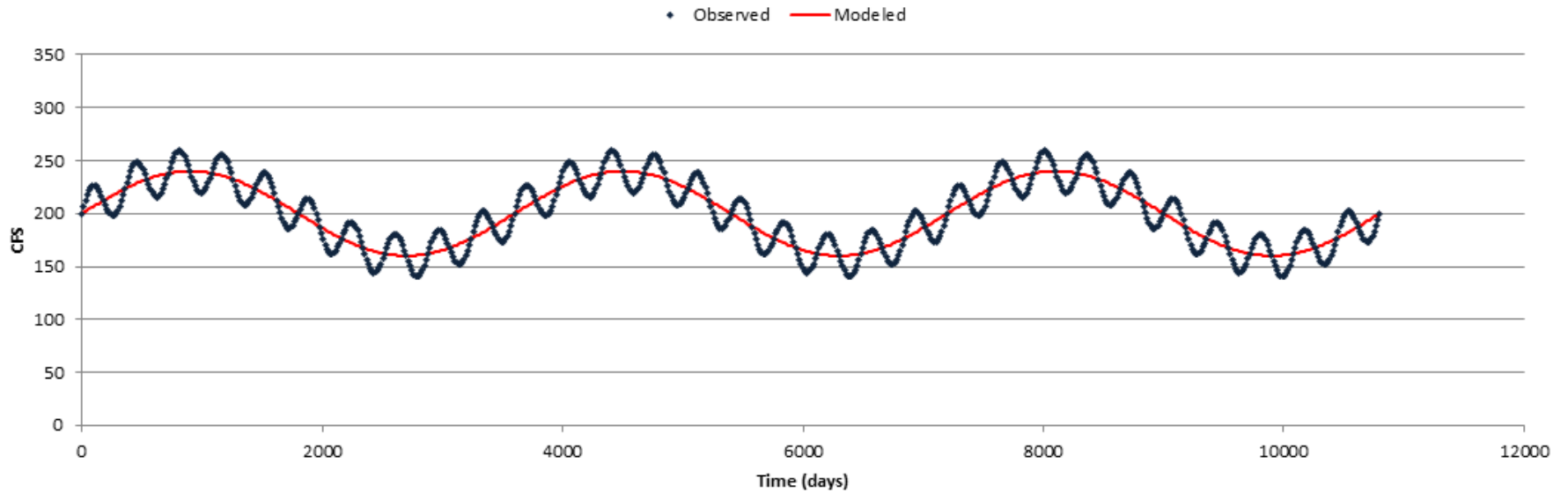


Statistics:
Mean square error (MSE) 199.7
Standard error (SE) 14.1
Cv = SE / Mean 0.071
R-squared 0.50

Hypothetical time series of observed and modeled flows: Long-term cycle + annual cycle

Case 2

Long-term amplitude: 40 cfs Long-term mean: 200 cfs
Seasonal amplitude: 20 cfs Long-term period: 10 years



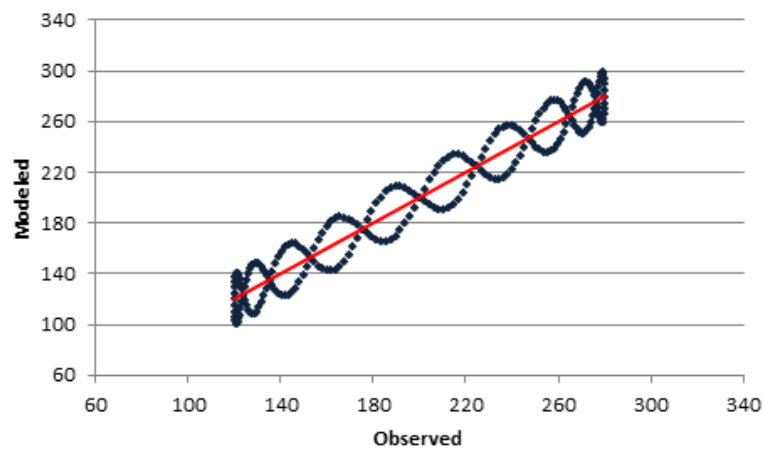
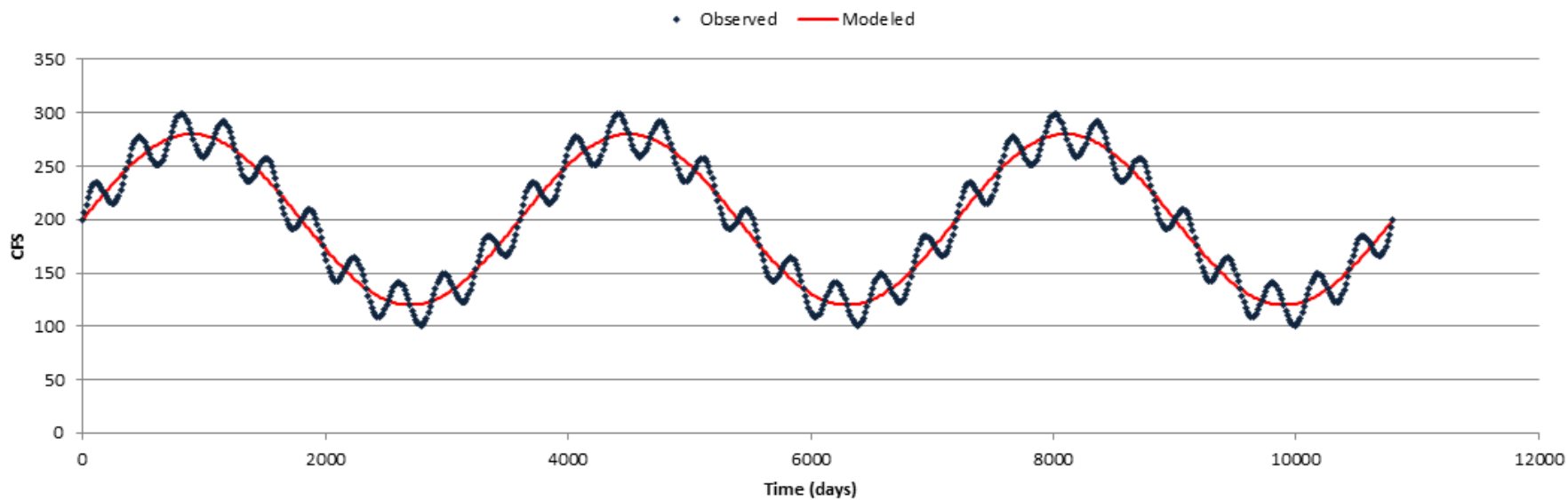
Statistics:

| | |
|-------------------------|-------|
| Mean square error (MSE) | 199.7 |
| Standard error (SE) | 14.1 |
| $Cv = SE / \text{Mean}$ | 0.071 |
| R-squared | 0.80 |

Hypothetical time series of observed and modeled flows: Long-term cycle + annual cycle

Case 3

Long-term amplitude: 80 cfs Long-term mean: 200 cfs
Seasonal amplitude: 20 cfs Long-term period: 10 years



Statistics:
Mean square error (MSE) 199.7
Standard error (SE) 14.1
Cv = SE / Mean 0.071
R-squared 0.94