

39.58, -82.23 Cor. lag = 7r = 0.93100 Cor. lag GAM = 5r GAM = 0.94Number of observations $10\% \log = 6$ 10% GAM lag = 7Life stage GAM R2 Moth = 0.84GAM R2 Cat = 0.66 Caterpillars 10 GAM Cats **GAM Moths** Moths

Jul

Jun

Sep

Aug

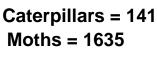
Apr

May

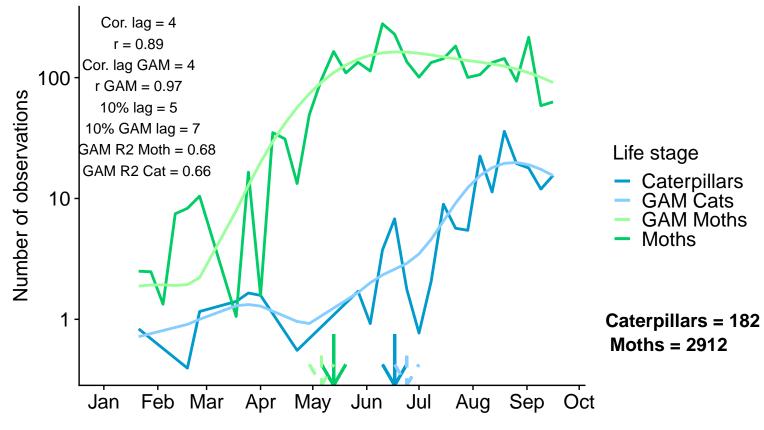
Mar

Feb

Jan



40.23, -78.75



39.58, -75.27 Cor. lag = 2r = 0.73Cor. lag GAM = 4 100 r GAM = 0.97Number of observations $10\% \log = 2$ 10% GAM lag = 3Life stage GAM R2 Moth = 0.72GAM R2 Cat = 0.92Caterpillars GAM Cats 10-**GAM Moths** Moths Caterpillars = 272

Jul

Jun

Sep

Aug

Apr

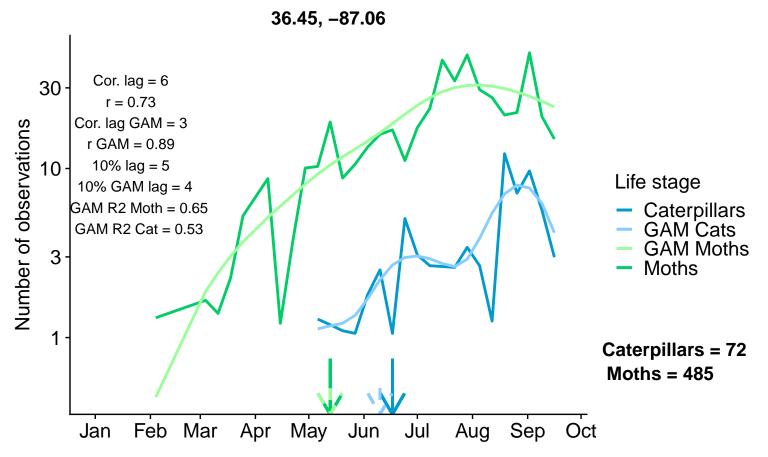
May

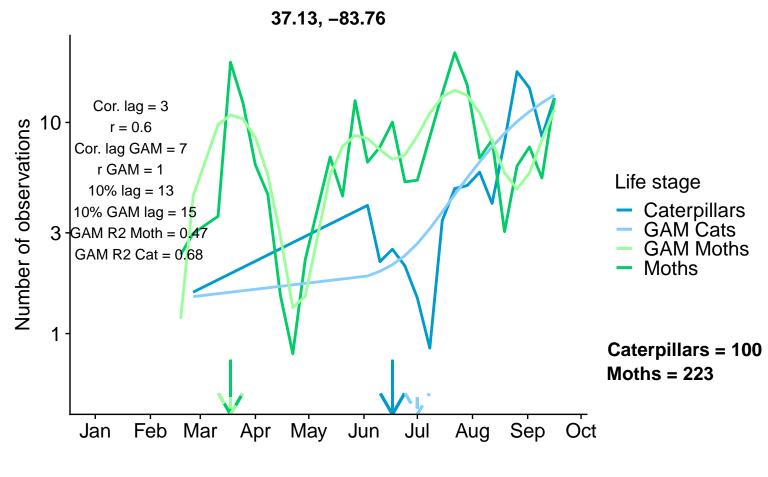
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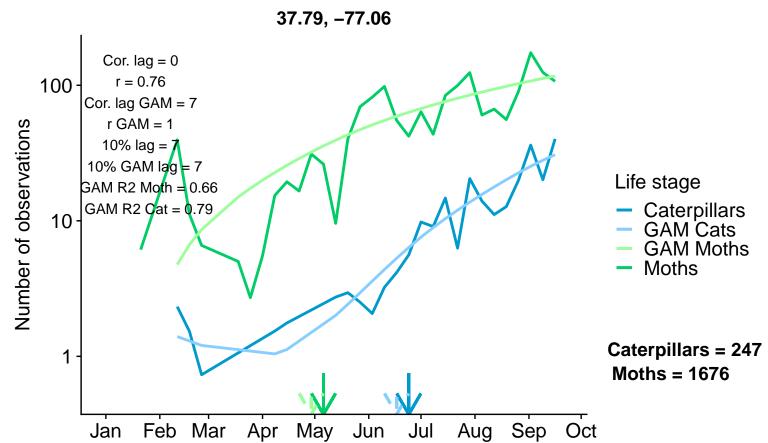
Feb

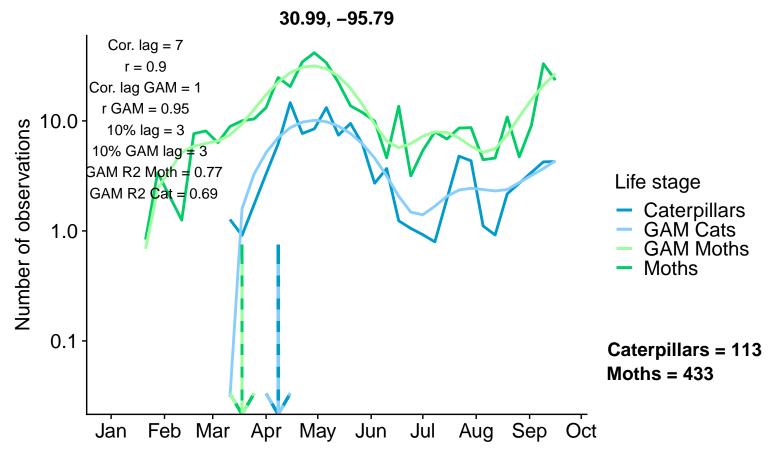
Jan

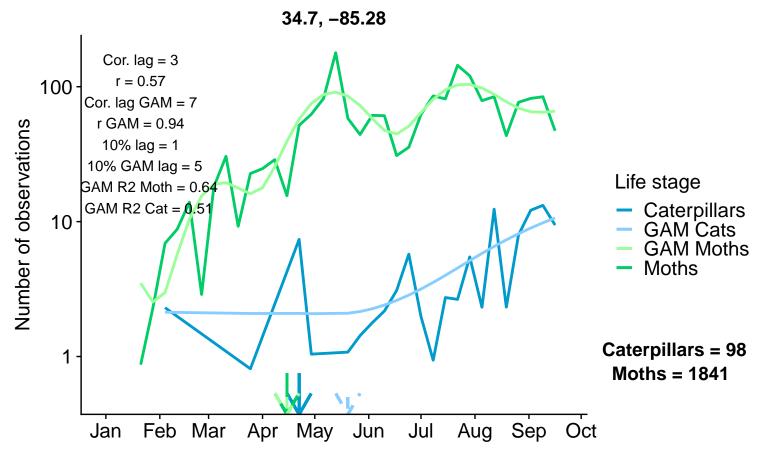
Moths = 2499

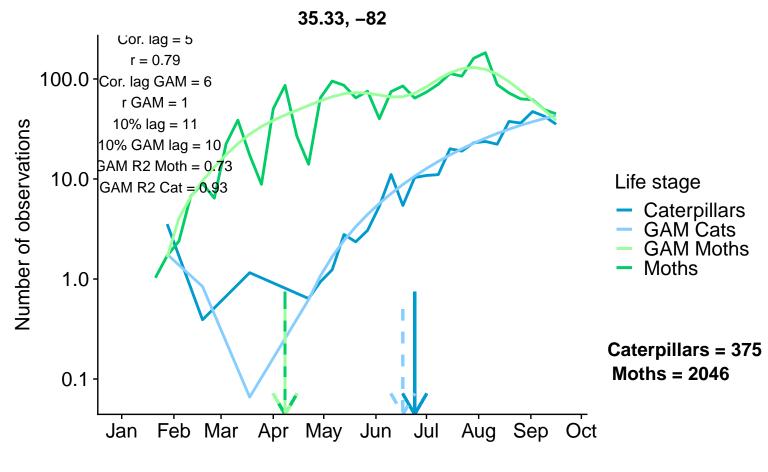


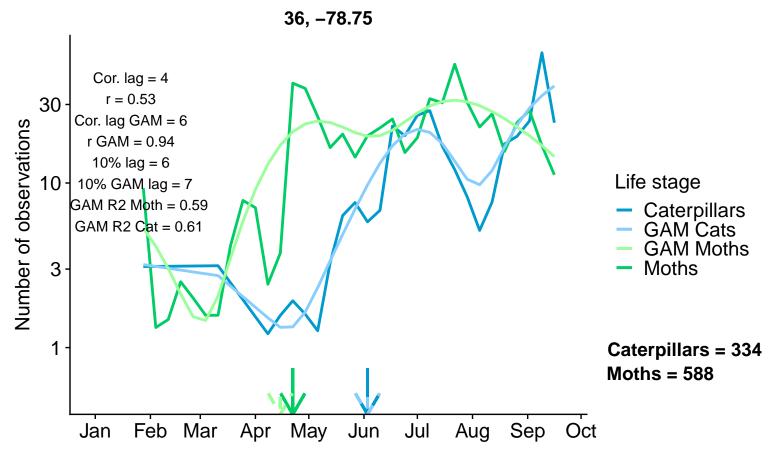












32.11, -86.07



