448 sites

Maximum number of observations per site: 1101

Mean number of observations per site: 365.12

Sites with at least one detection: 53

Tabulation of y observations:

0 1 <NA>

161068 2504 329676

Site-level covariates:

station

Y-01-200-CT: 1

Y-01-200-NE: 1

Y-01-200-NW: 1

Y-01-200-SE: 1

Y-01-200-SW: 1

Y-01-201-CT: 1

(Other) :442

Observation-level covariates:

hours days

Min. : 0.0 Min. : 3.0

1st Qu.: 5.0 1st Qu.:159.0

Median :11.0 Median :171.0

Mean :11.3 Mean :173.5

3rd Qu.:18.0 3rd Qu.:186.0

Max. :24.0 Max. :249.0

NA's :329676 NA's :329676

Call:

occu(formula = ~1 ~ 1, data = umf2013)

Occupancy (logit-scale):

Estimate SE z P(>|z|)

-2.01 0.146 -13.7 8.48e-43

Detection (logit-scale):

Estimate SE z P(>|z|)

-1.9 0.0214 -88.5 0

AIC: 15197.99

Number of sites: 448

optim convergence code: 0

optim iterations: 35

Bootstrap iterations: 0

Backtransformed linear combination(s) of Detection estimate(s)

Estimate SE LinComb (Intercept)

0.13 0.00243 -1.9 1

Transformation: logistic

Backtransformed linear combination(s) of Occupancy estimate(s)

Estimate SE LinComb (Intercept)

0.119 0.0153 -2.01 1

Transformation: logistic

326 sites

Maximum number of observations per site: 791

Mean number of observations per site: 359.32

Sites with at least one detection: 27

Tabulation of y observations:

0 1 <NA>

116075 1063 140728

Site-level covariates:

station

AM-401-CT: 1

AM-401-NE: 1

AM-401-NW: 1

AM-401-SE: 1

AM-401-SW: 1

AM-402-CT: 1

(Other) :320

Observation-level covariates:

hours days

Min. : 0.00 Min. : 82.0

1st Qu.: 6.00 1st Qu.:142.0

Median :12.00 Median :156.0

Mean :11.52 Mean :157.9

3rd Qu.:18.00 3rd Qu.:177.0

Max. :23.00 Max. :201.0

NA's :140728 NA's :140728

Call:

occu(formula = ~1 ~ 1, data = umf2014)

Occupancy (logit-scale):

Estimate SE z P(>|z|)

-2.44 0.205 -11.9 1.04e-32

Detection (logit-scale):

Estimate SE z P(>|z|)

-2.32 0.0387 -59.8 0

AIC: 6529.486

Number of sites: 326

optim convergence code: 0

optim iterations: 54

Bootstrap iterations: 0

Backtransformed linear combination(s) of Detection estimate(s)

Estimate SE LinComb (Intercept)

0.0896 0.00316 -2.32 1

Transformation: logistic

Backtransformed linear combination(s) of Occupancy estimate(s)

Estimate SE LinComb (Intercept)

0.0805 0.0151 -2.44 1

Transformation: logistic

465 sites

Maximum number of observations per site: 783

Mean number of observations per site: 205.03

Sites with at least one detection: 36

Tabulation of y observations:

0 1 <NA>

95013 327 268755

Site-level covariates:

station

AM-401-CT: 1

AM-401-NE: 1

AM-401-NW: 1

AM-401-SE: 1

AM-401-SW: 1

AM-403-CT: 1

(Other) :459

Observation-level covariates:

hours days

Min. : 0.00 Min. :123.0

1st Qu.: 5.00 1st Qu.:140.0

Median :11.00 Median :154.0

Mean :11.31 Mean :154.9

3rd Qu.:17.00 3rd Qu.:165.0

Max. :23.00 Max. :205.0

NA's :268755 NA's :268755

Call:

occu(formula = ~1 ~ 1, data = umf2015)

Occupancy (logit-scale):

Estimate SE z P(>|z|)

-2.46 0.174 -14.2 1.54e-45

Detection (logit-scale):

Estimate SE z P(>|z|)

-2.89 0.0571 -50.6 0

AIC: 2815.047

Number of sites: 465

optim convergence code: 0

optim iterations: 37

Bootstrap iterations: 0

Backtransformed linear combination(s) of Detection estimate(s)

Estimate SE LinComb (Intercept)

0.0527 0.00285 -2.89 1

Transformation: logistic

Backtransformed linear combination(s) of Occupancy estimate(s)

Estimate SE LinComb (Intercept)

0.0787 0.0126 -2.46 1

Transformation: logistic