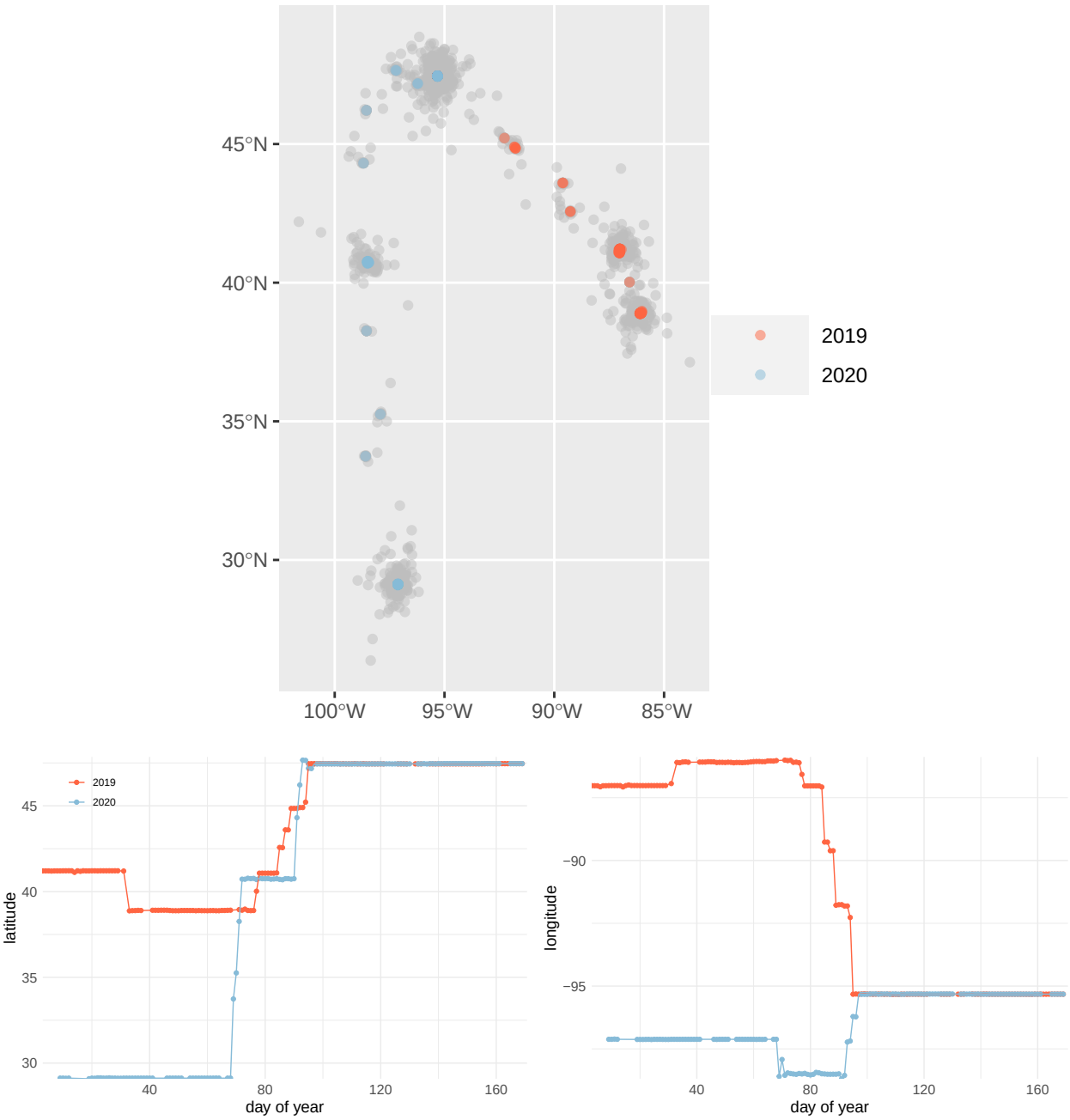
SSF examples

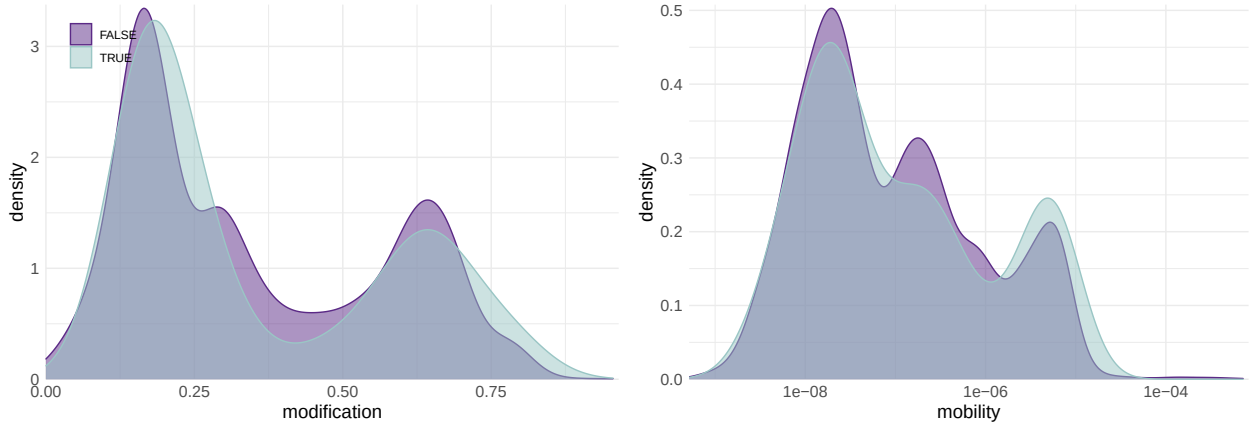
Background info

Maps and time series of location data. Grey points show randomly generated "available" points for each step.



Step selection analysis

Distribution of modification and mobility values for used vs. available points




```
## Call:
## coxph(formula = Surv(rep(1, 4699L), case_) ~ sg_norm * ghm +
##     strata(step_id_), data = data, method = "exact")
##
##   n= 4376, number of events= 276
##    (323 observations deleted due to missingness)
##
##                    coef  exp(coef)   se(coef)      z Pr(>|z|)
## sg_norm      6.017e+05        Inf  1.223e+05  4.920 8.64e-07 ***
## ghm          1.628e+00  5.092e+00  6.449e-01  2.524   0.0116 *
## sg_norm:ghm -1.301e+06  0.000e+00  3.165e+05 -4.110 3.95e-05 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
##              exp(coef) exp(-coef) lower .95 upper .95
## sg_norm            Inf     0.0000       Inf       Inf
## ghm              5.092     0.1964     1.438     18.02
## sg_norm:ghm      0.000        Inf     0.000      0.00
##
## Concordance= 0.561  (se = 0.017 )
## Likelihood ratio test= 38.61  on 3 df,   p=2e-08
## Wald test            = 27.44  on 3 df,   p=5e-06
## Score (logrank) test = 4.51  on 3 df,   p=0.2
```