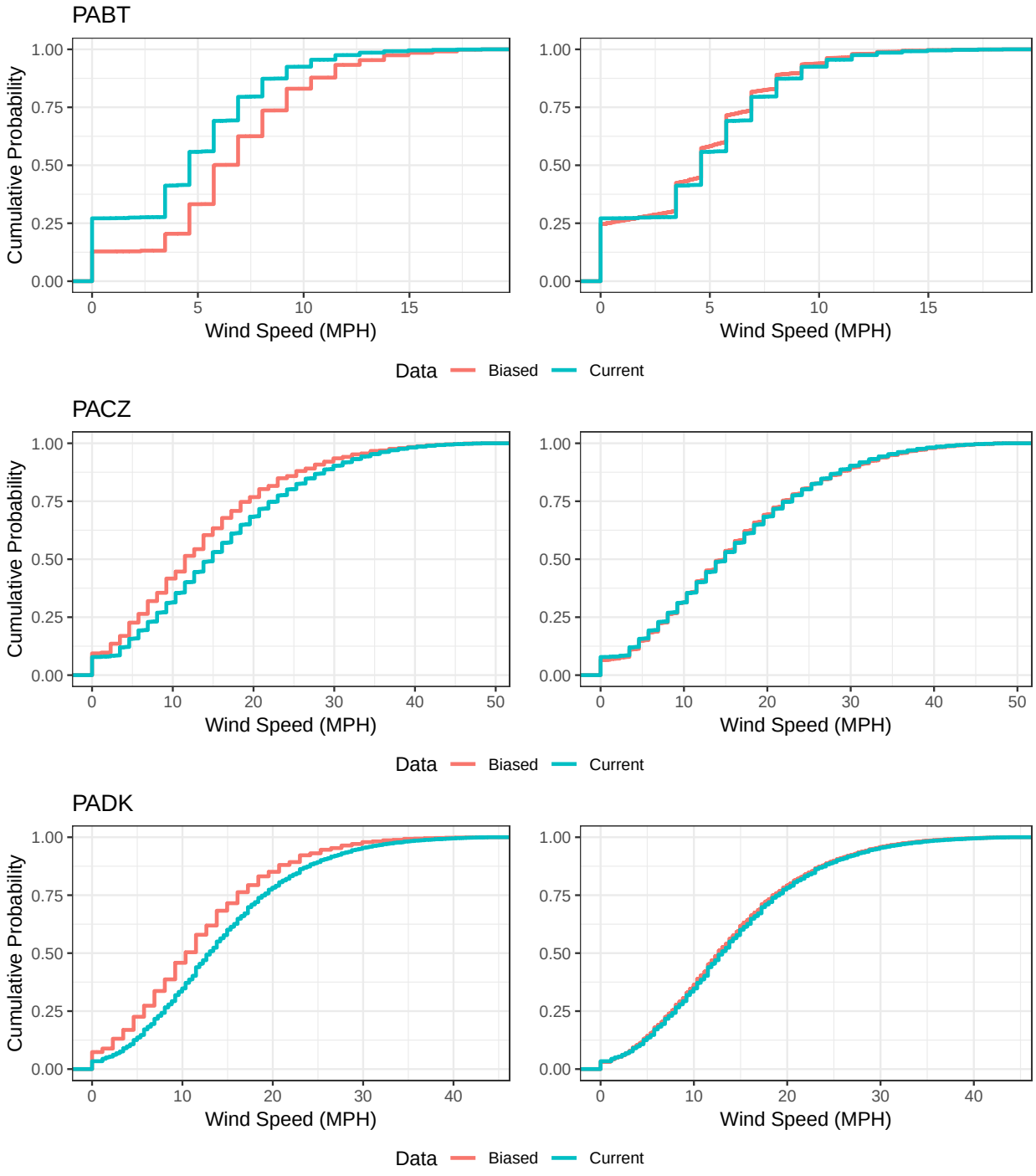
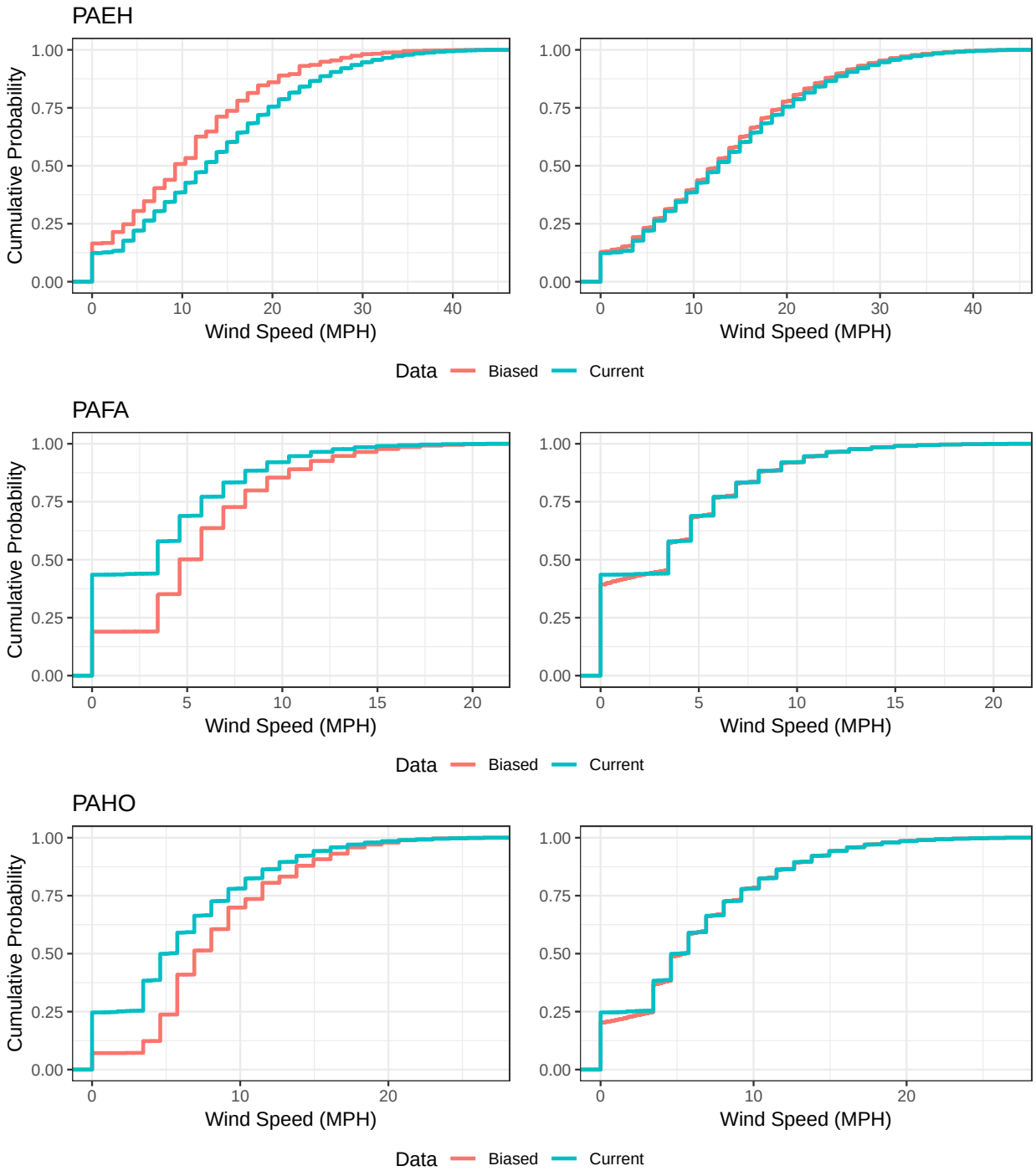
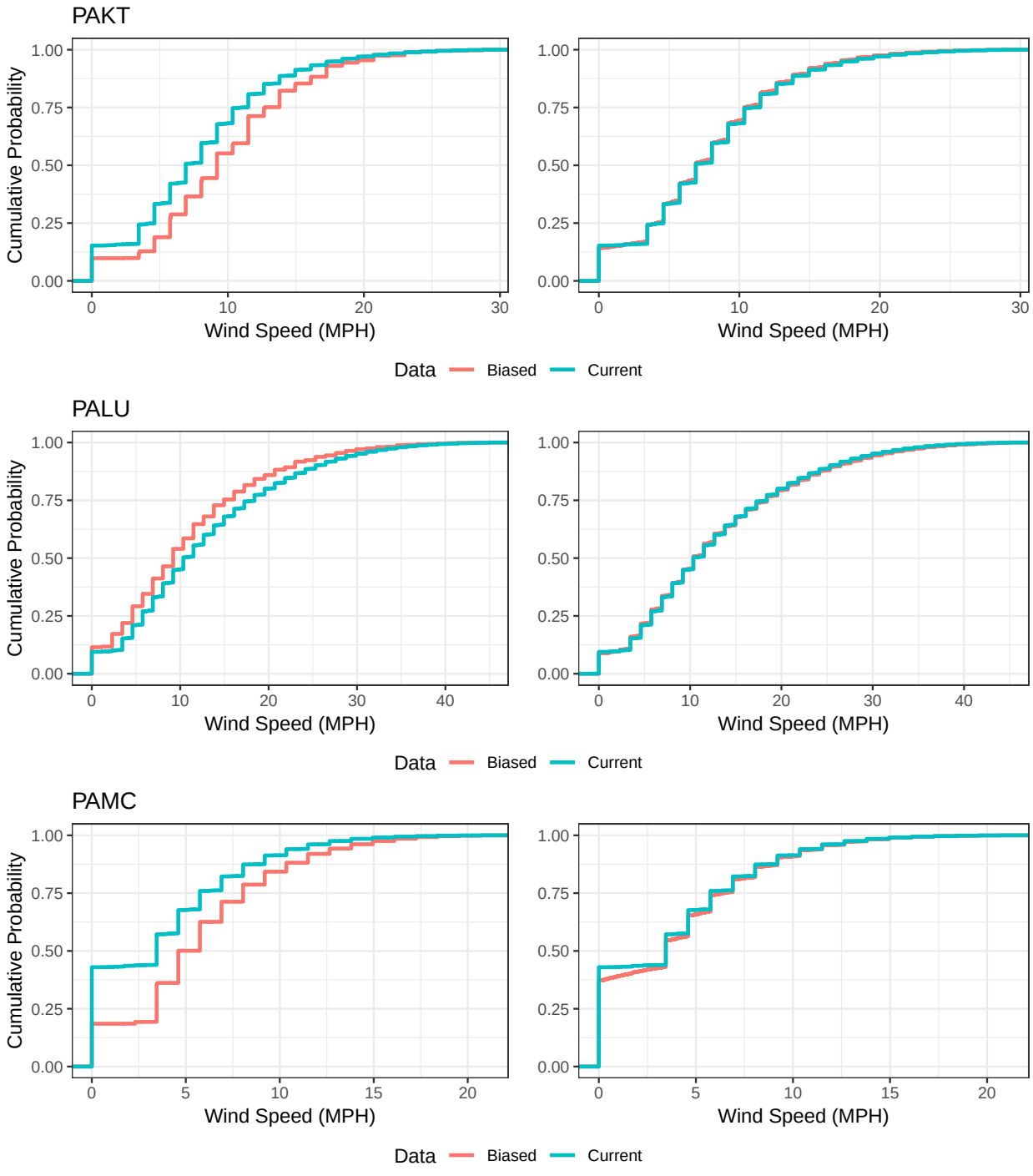
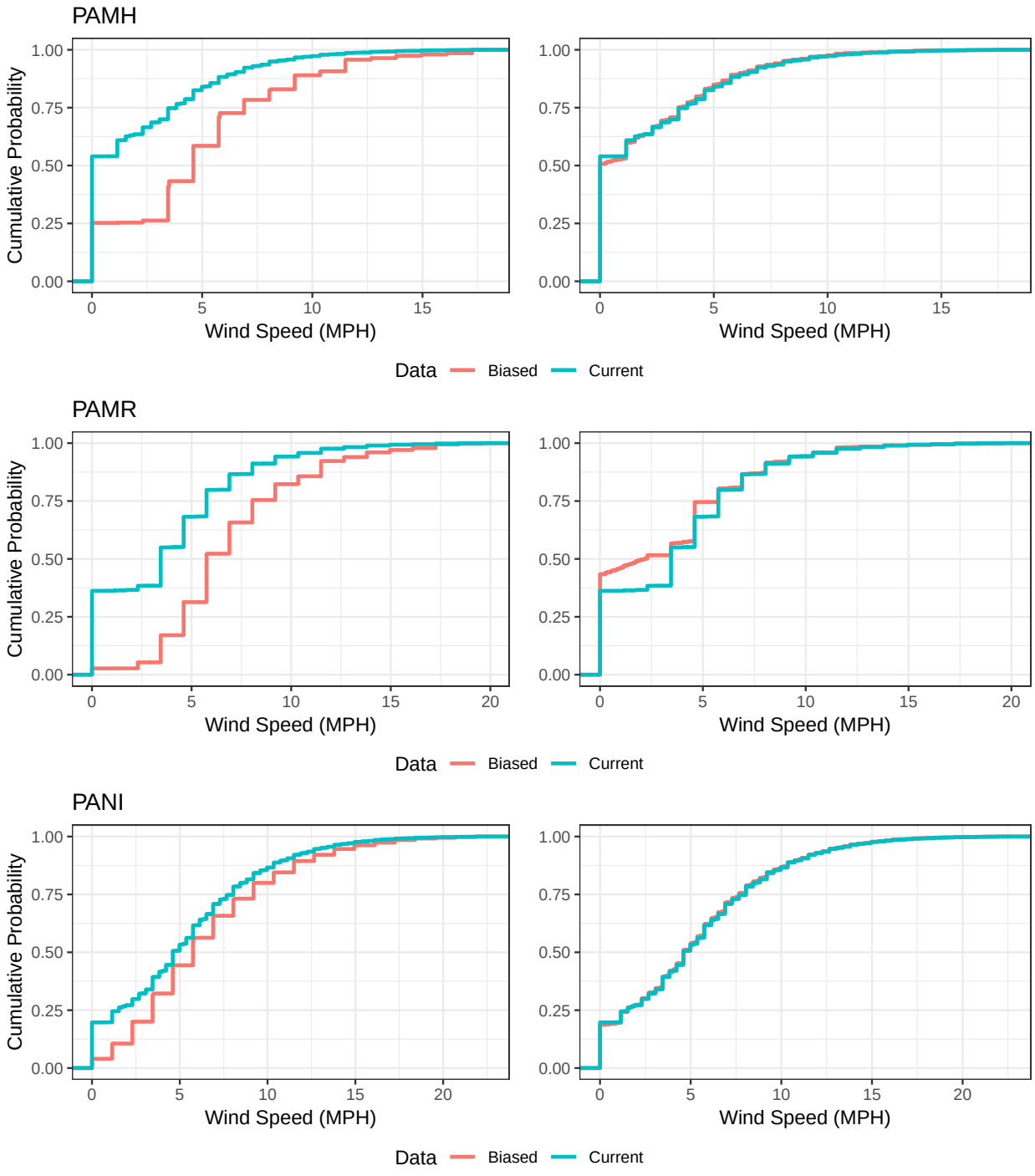
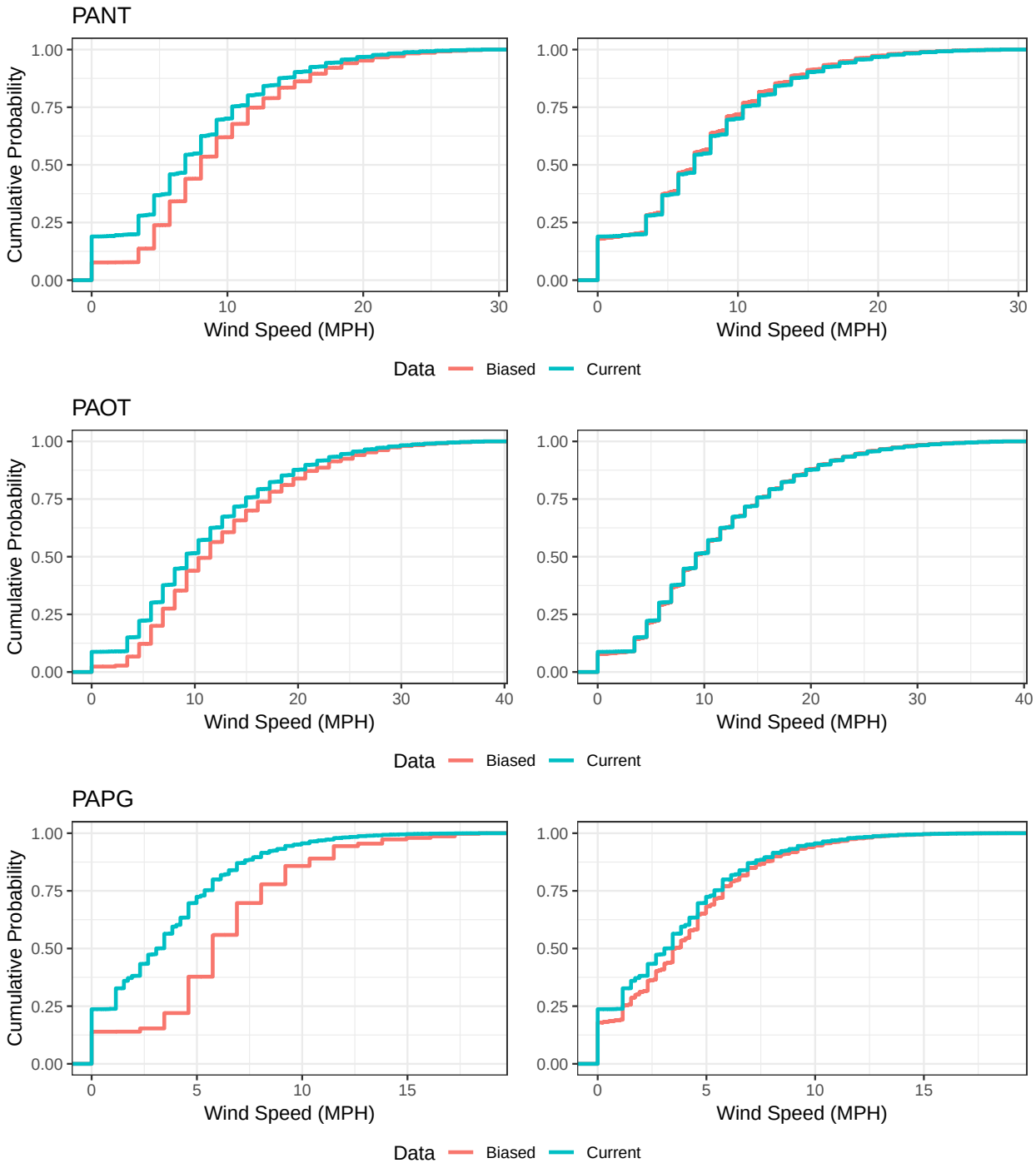
Quantile Mapping Adjustment of AK ASOS Wind Speeds

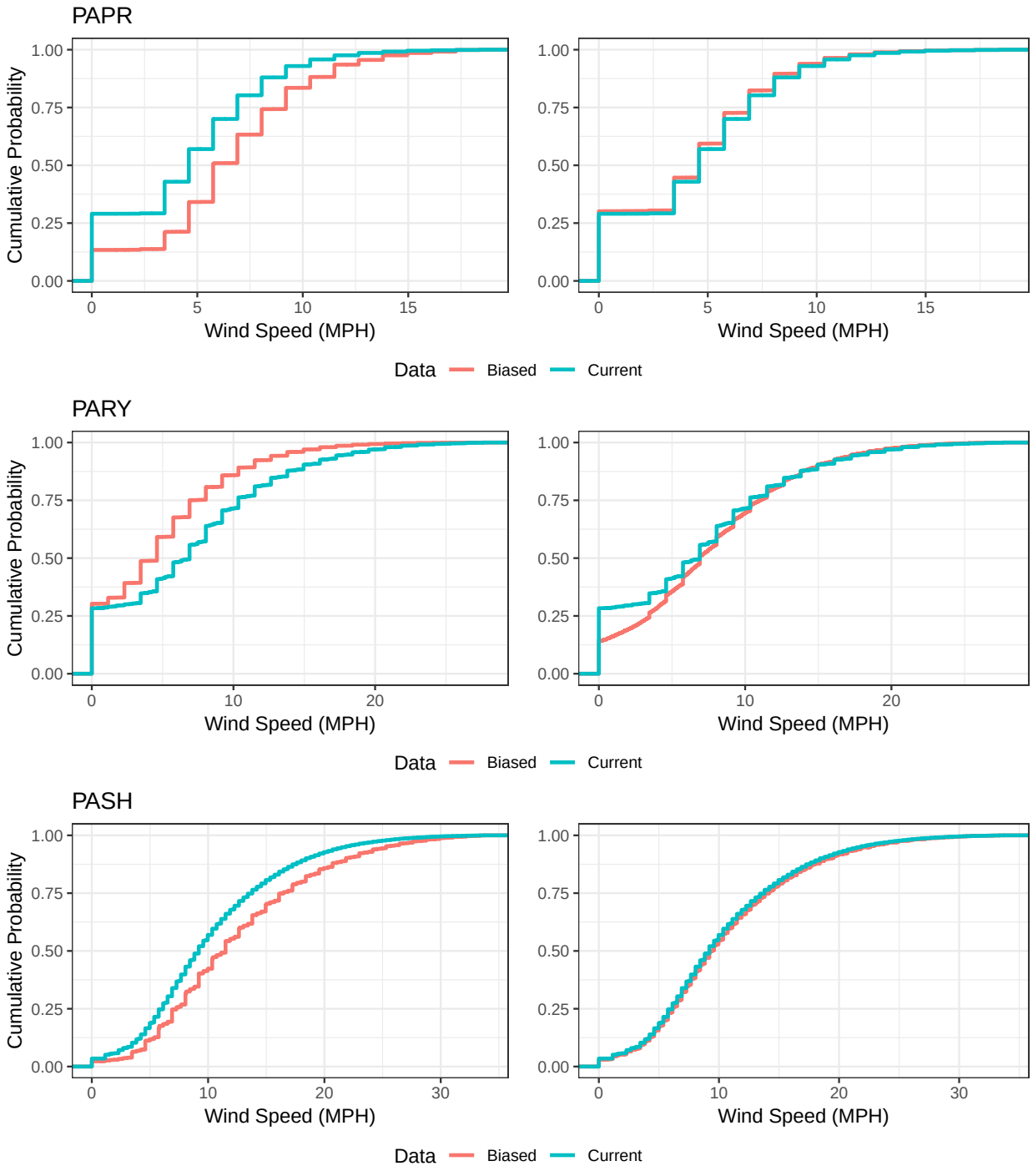


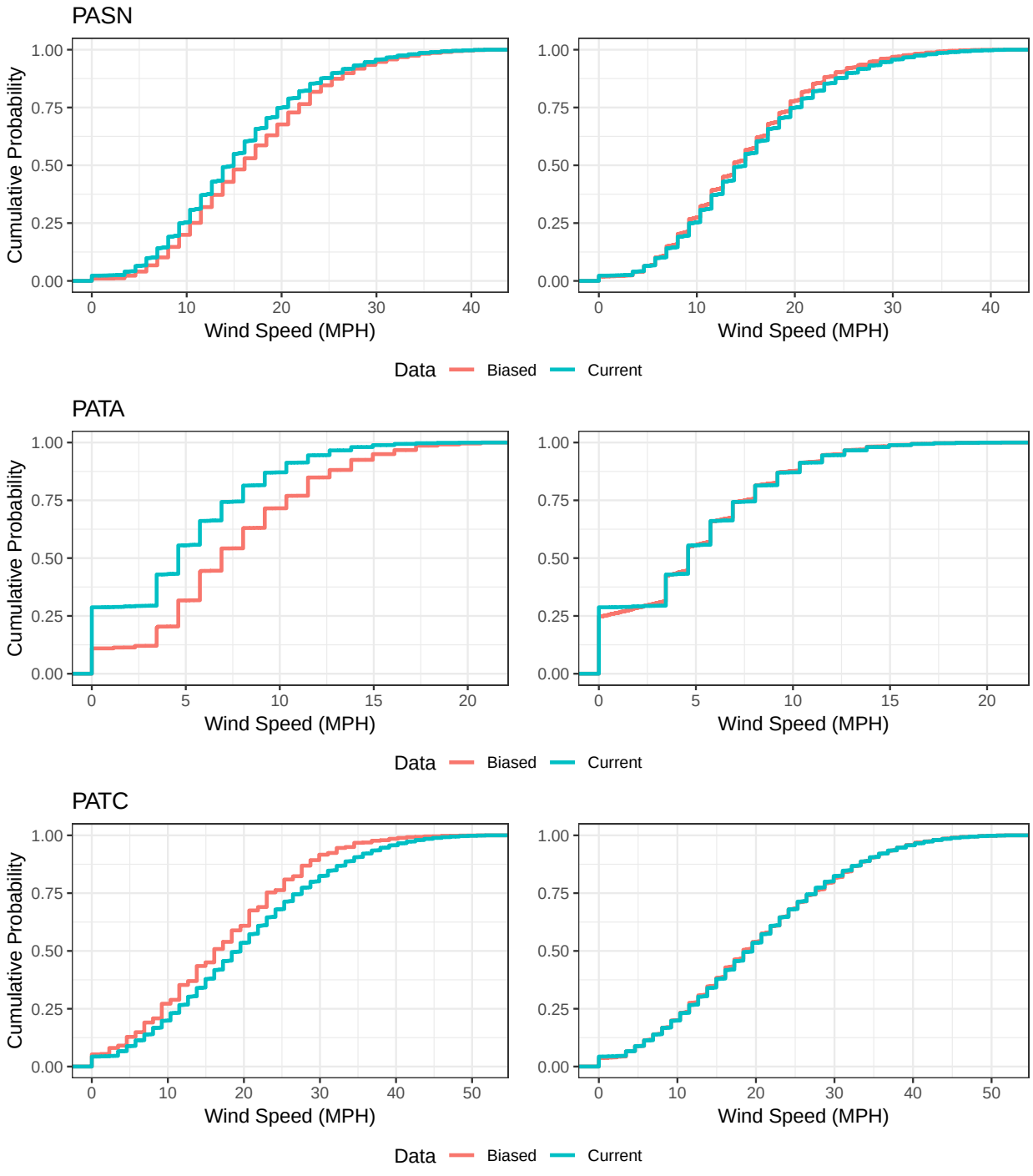

PAEH
Cumulative Probability
1.00
0.75
0.50
0.25
0.00
0
10
20
30
40
Wind Speed (MPH)
PAFA
0
5
10
15
20
PAHO
Data
Biased
Current

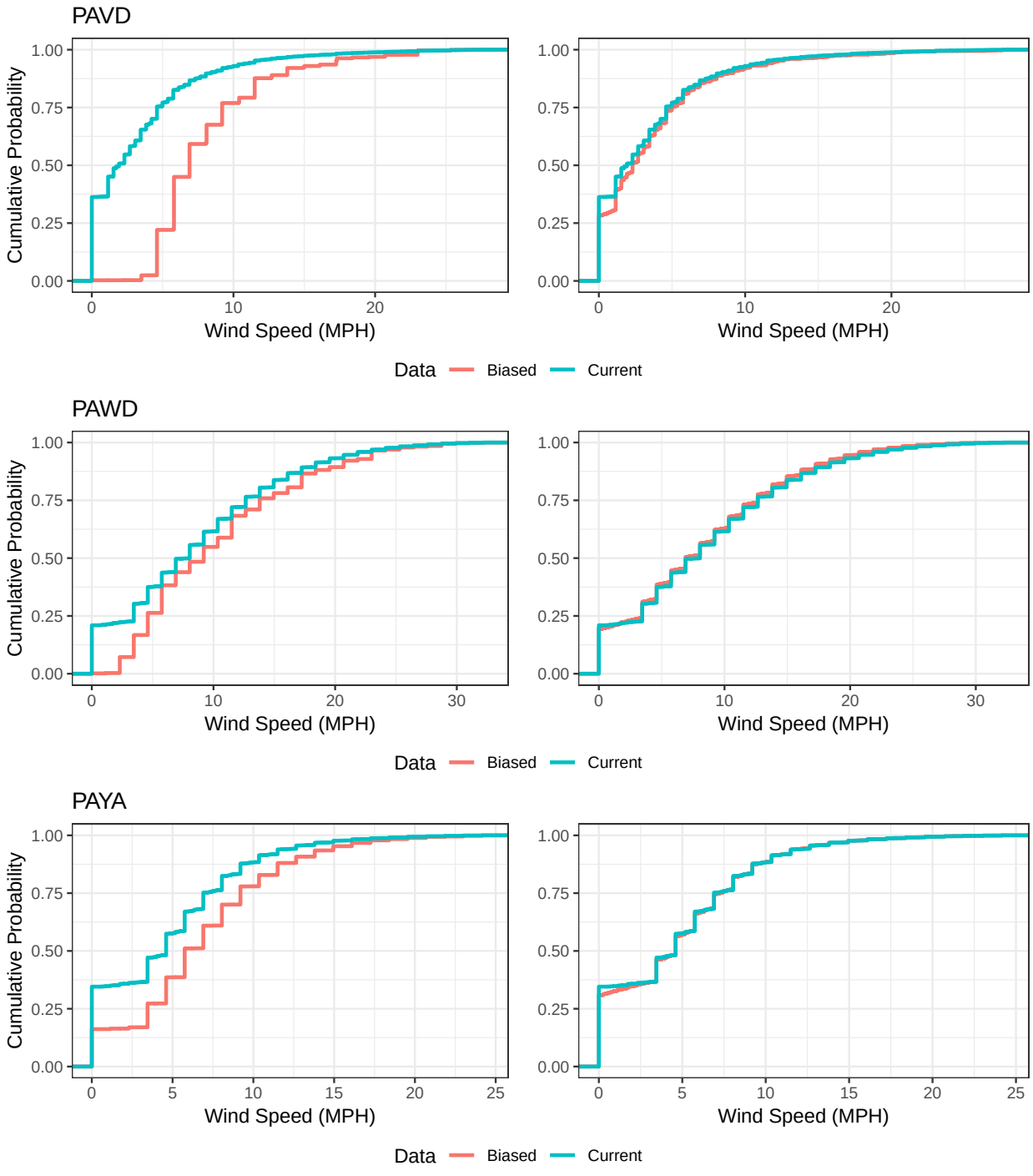

PAKT
Cumulative Probability
1.00
0.75
0.50
0.25
0.00
0
10
20
30
Wind Speed (MPH)
PALU
40
PAMC
5
15
Data
Biased
Current

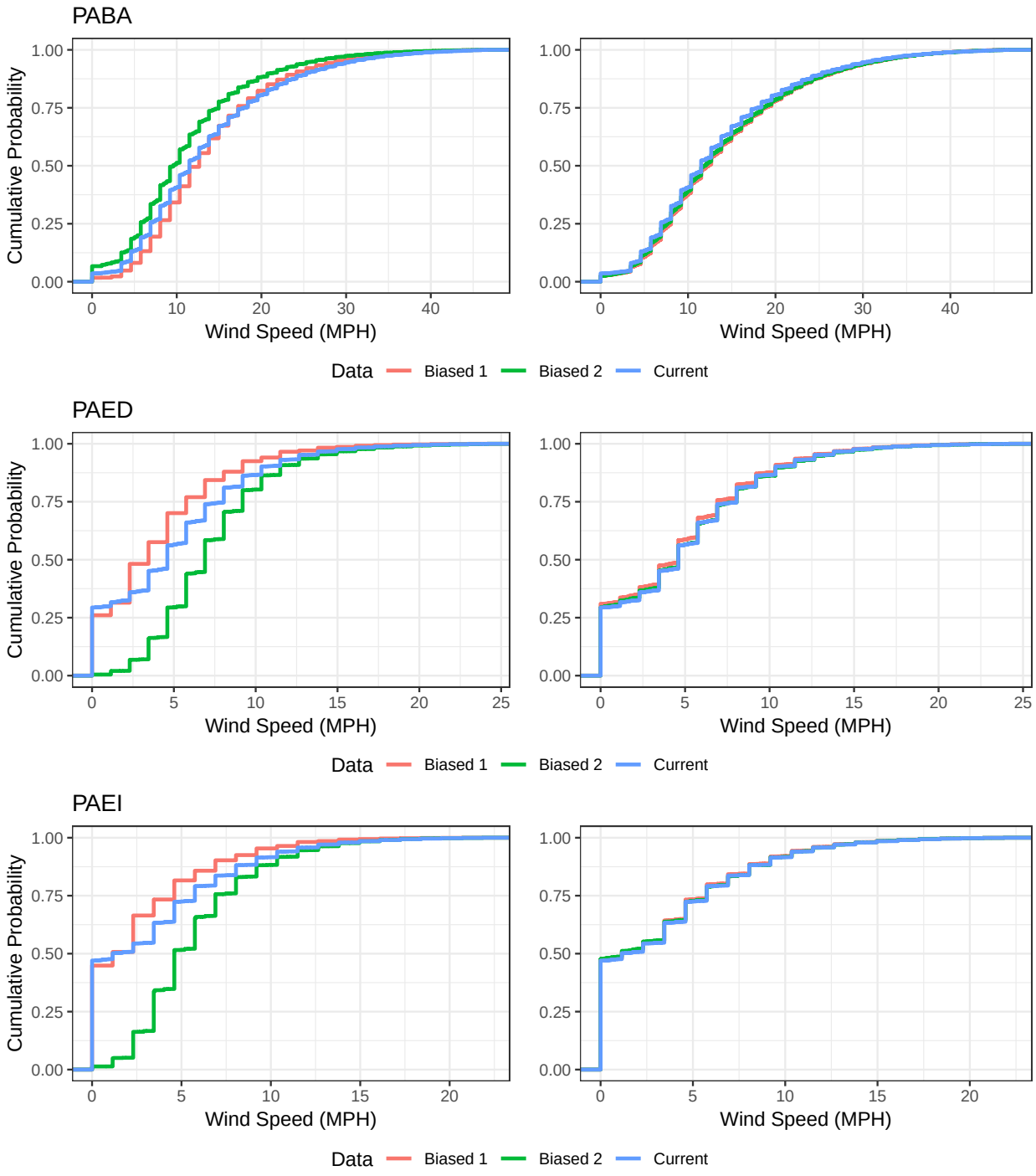

PAMH
Cumulative Probability
1.00
0.75
0.50
0.25
0.00
0
5
10
15
Wind Speed (MPH)
PAMR
20
PANI
Data
Biased
Current

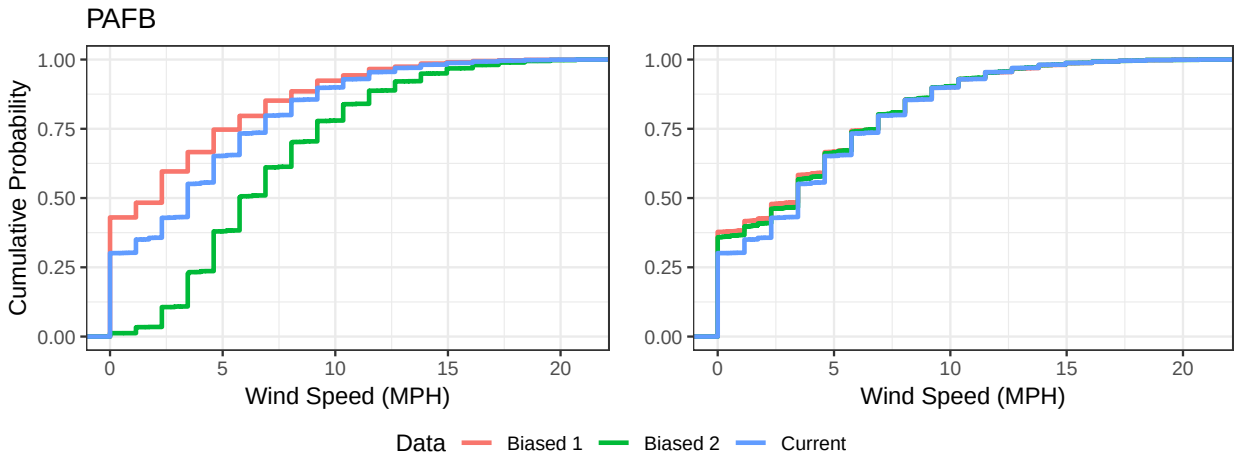

PANT
Cumulative Probability
1.00
0.75
0.50
0.25
0.00
0
10
20
30
Wind Speed (MPH)
Data
Biased
Current
PAOT
Cumulative Probability
1.00
0.75
0.50
0.25
0.00
0
10
20
30
40
Wind Speed (MPH)
Data
Biased
Current
PAPG
Cumulative Probability
1.00
0.75
0.50
0.25
0.00
0
5
10
15
Wind Speed (MPH)
Data
Biased
Current


PAPR
Cumulative Probability
1.00
0.75
0.50
0.25
0.00
0
5
10
15
Wind Speed (MPH)
PARY
20
PASH
30
Data
Biased
Current


PASN
Cumulative Probability
1.00
0.75
0.50
0.25
0.00
0
10
20
30
40
Wind Speed (MPH)
PATA
0
5
10
15
20
PATC
50
Data
Biased
Current


PAVD
Cumulative Probability
1.00
0.75
0.50
0.25
0.00
0
10
20
Wind Speed (MPH)
PAWD
30
PAYA
5
15
25
Data
Biased
Current


PABA
Cumulative Probability
1.00
0.75
0.50
0.25
0.00
0
10
20
30
40
Wind Speed (MPH)
Data
Biased 1
Biased 2
Current
PAED
Cumulative Probability
1.00
0.75
0.50
0.25
0.00
0
5
10
15
20
25
Wind Speed (MPH)
Data
Biased 1
Biased 2
Current
PAEI
Cumulative Probability
1.00
0.75
0.50
0.25
0.00
0
5
10
15
20
Wind Speed (MPH)
Data
Biased 1
Biased 2
Current




```
# move output file to document directory
#files <- list.files(file.path(workdir, "code/ASOS"))
#index <- grep("pdf", files)
#file.rename(file.path("code", files[index]),
#            file.path("documents", files[index]))
```