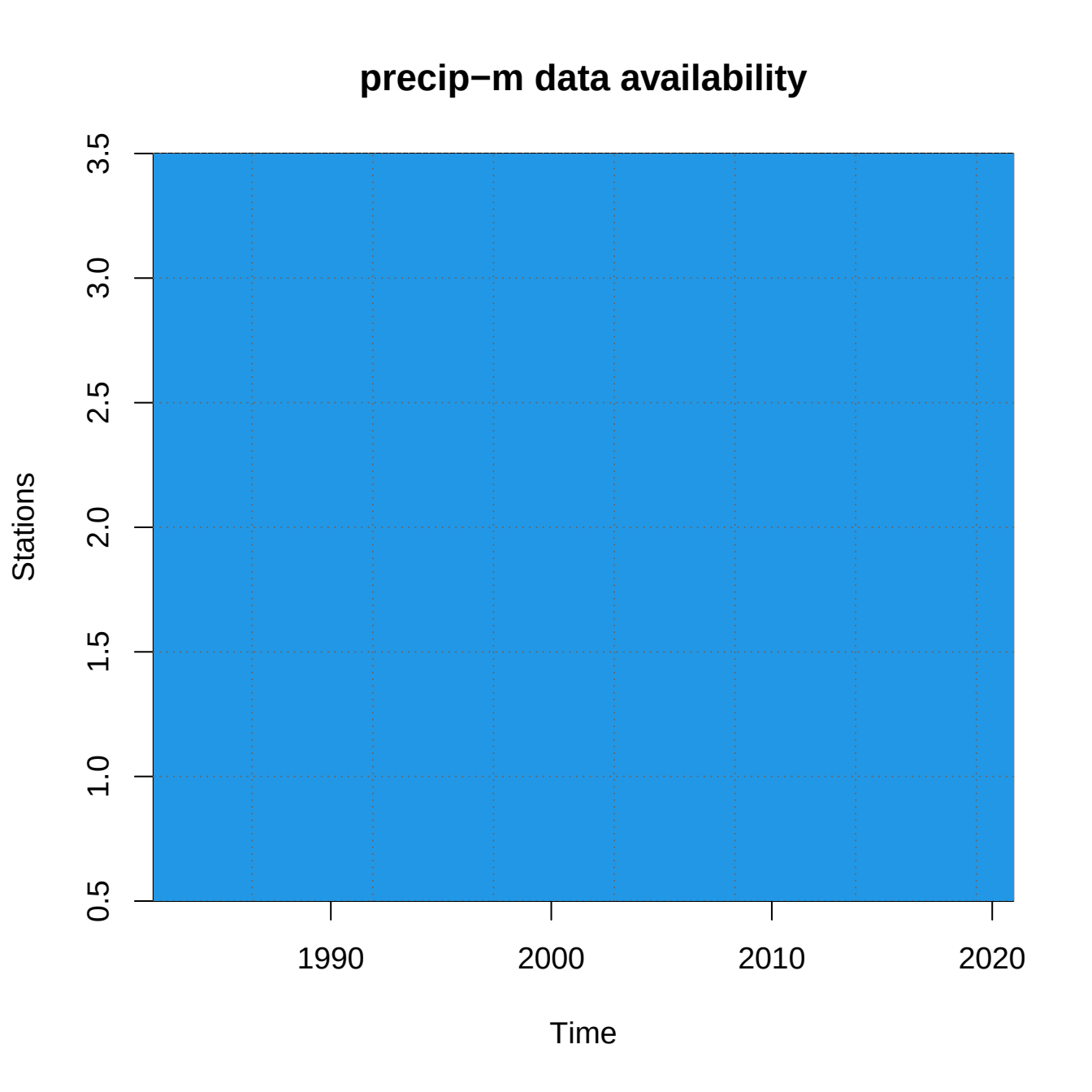
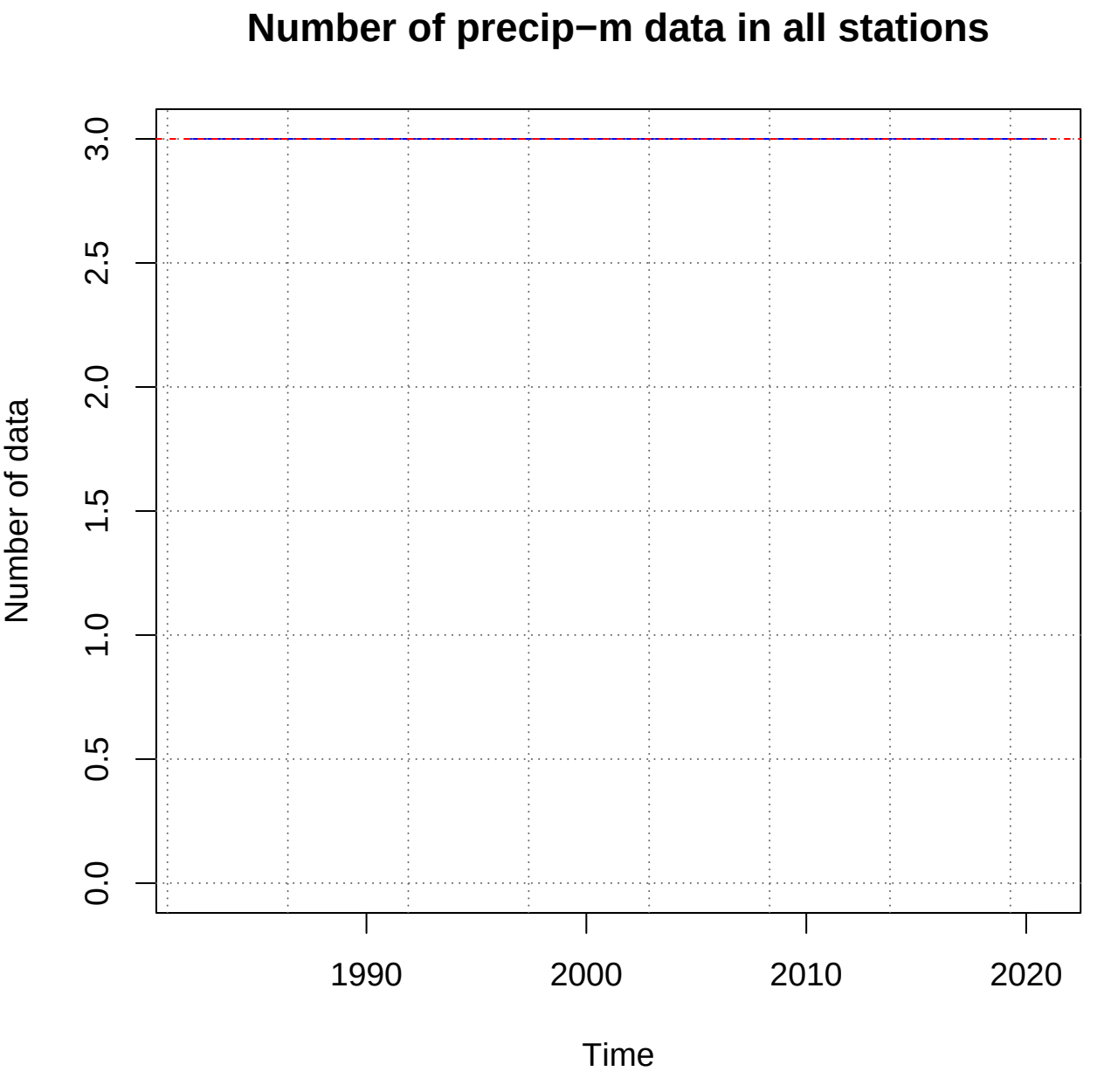
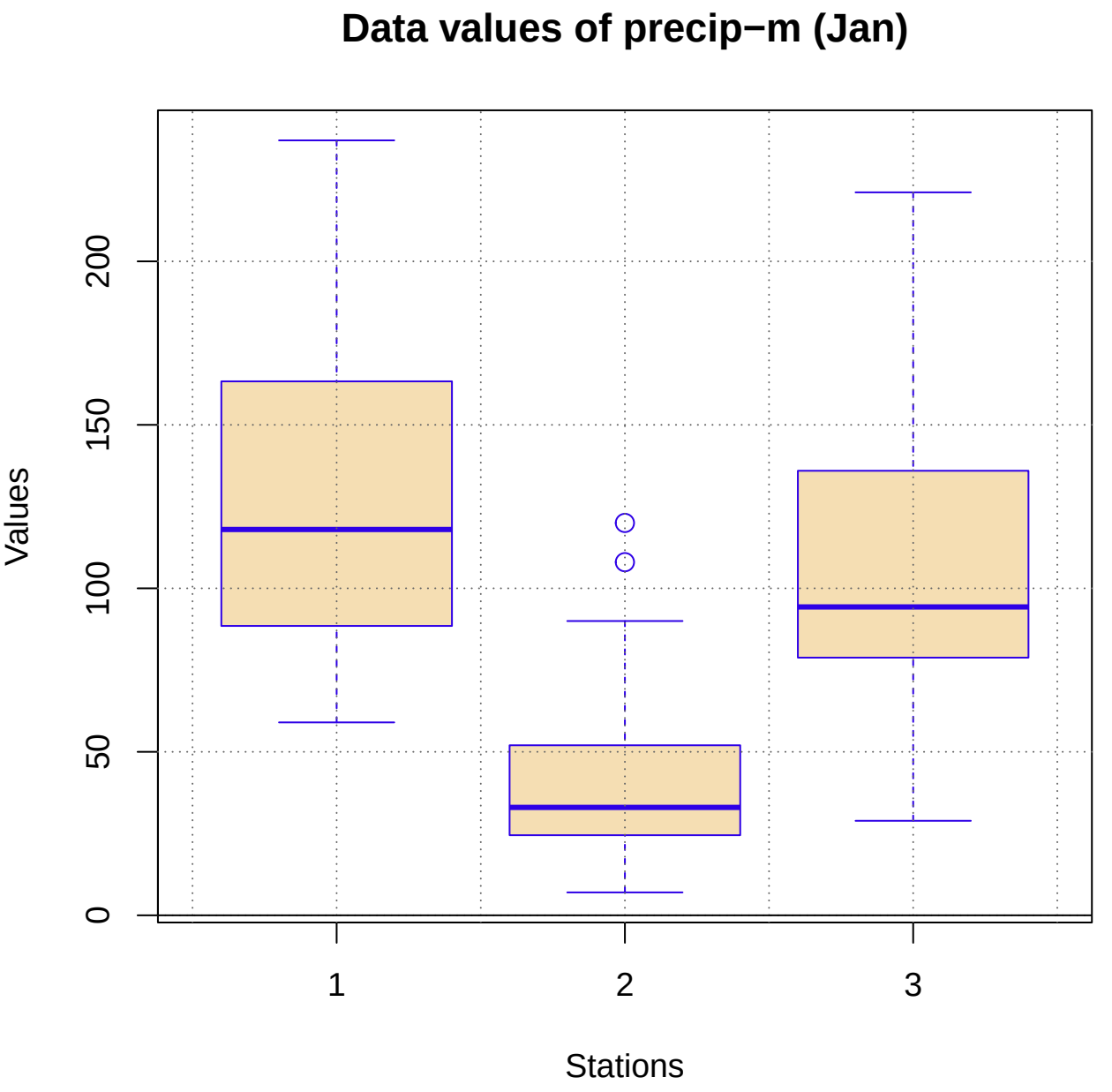
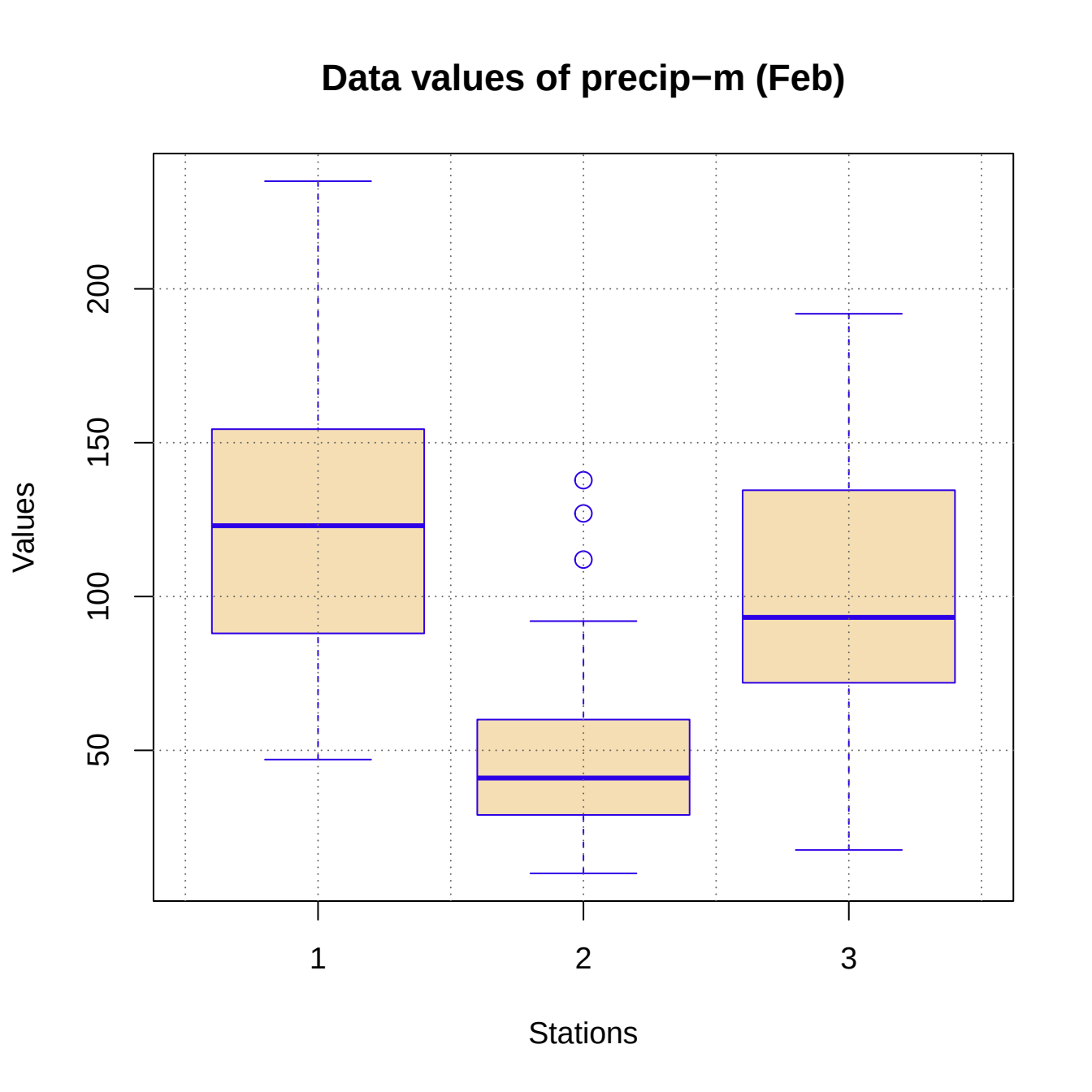
CLIMATOL 3.1.1

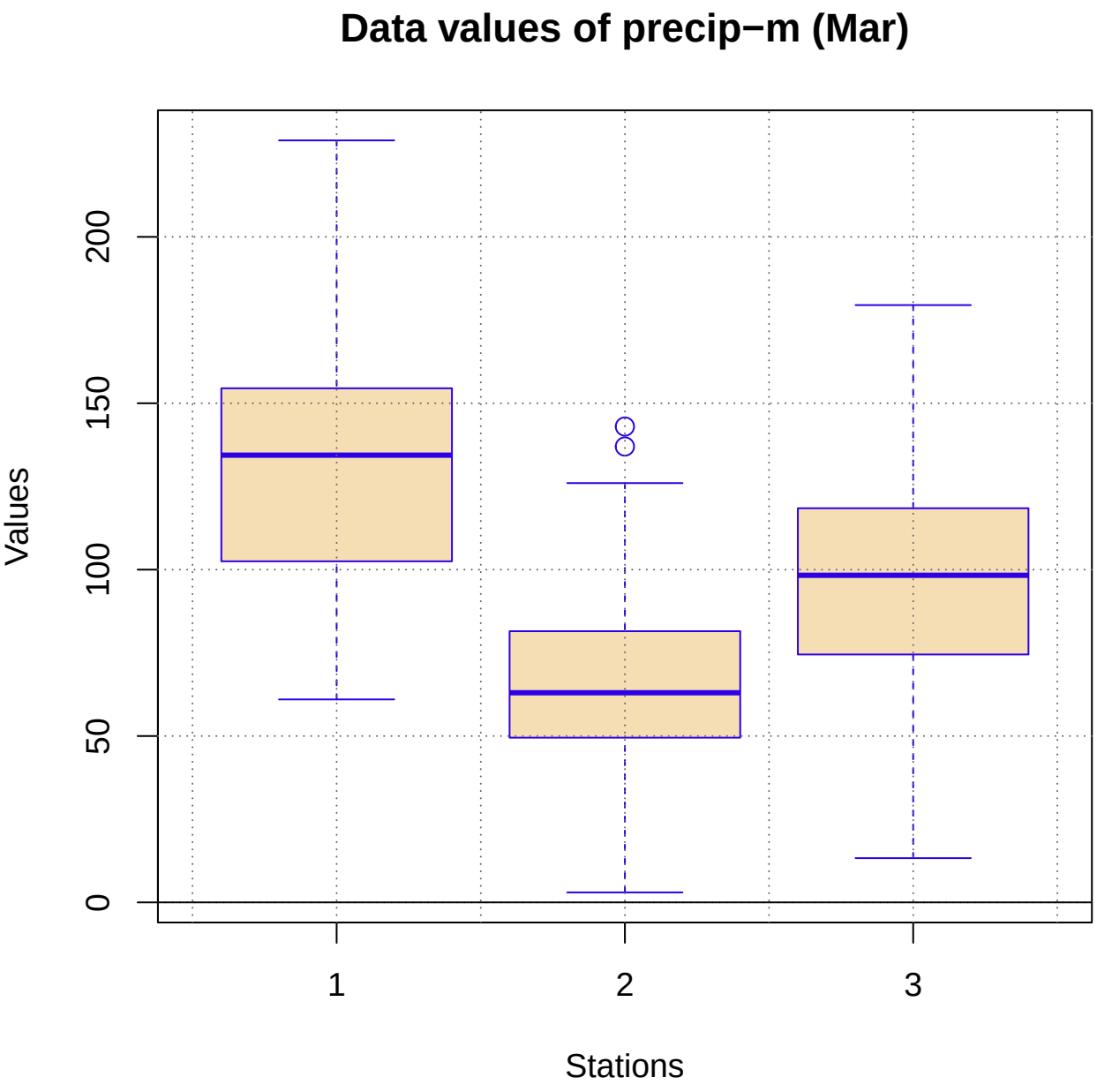
Homogenization
graphic output of
precip−m
1982−2020

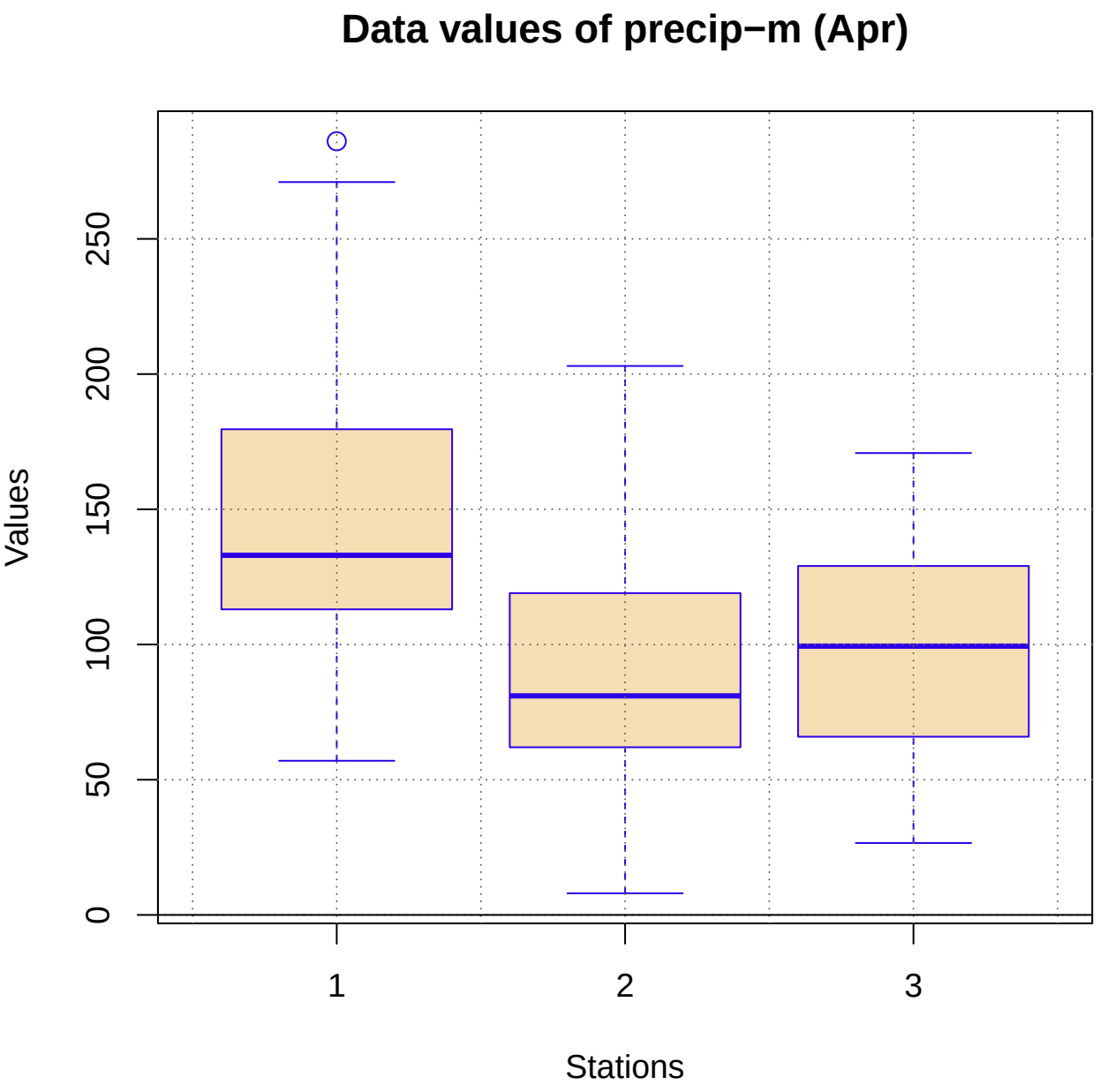

precip−m data availability
Stations
0.5
1.0
1.5
2.0
2.5
3.0
3.5
1990
2000
2010
2020
Time

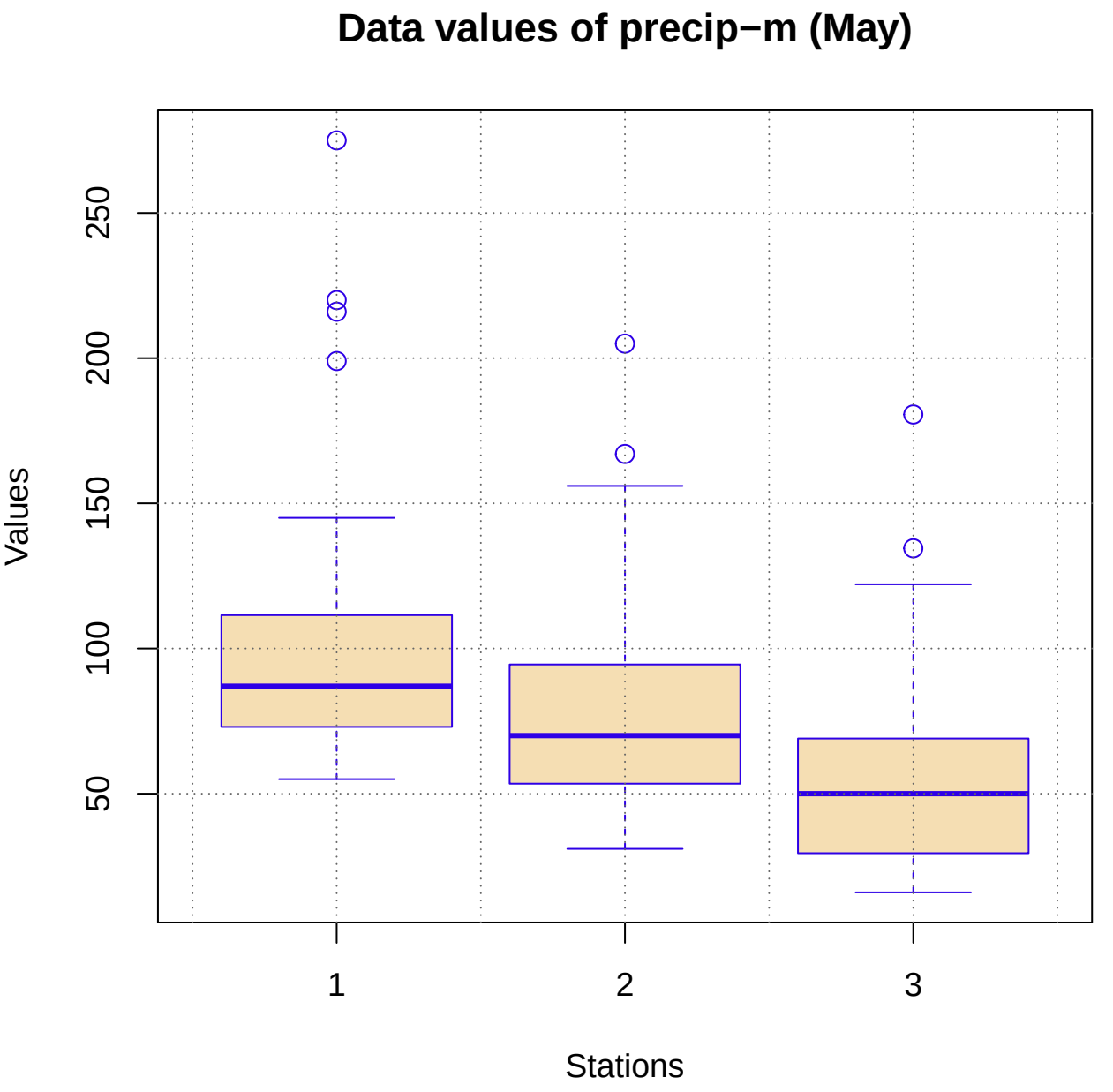

Number of precip−m data in all stations
Number of data
0.0
0.5
1.0
1.5
2.0
2.5
3.0
1990
2000
2010
2020
Time

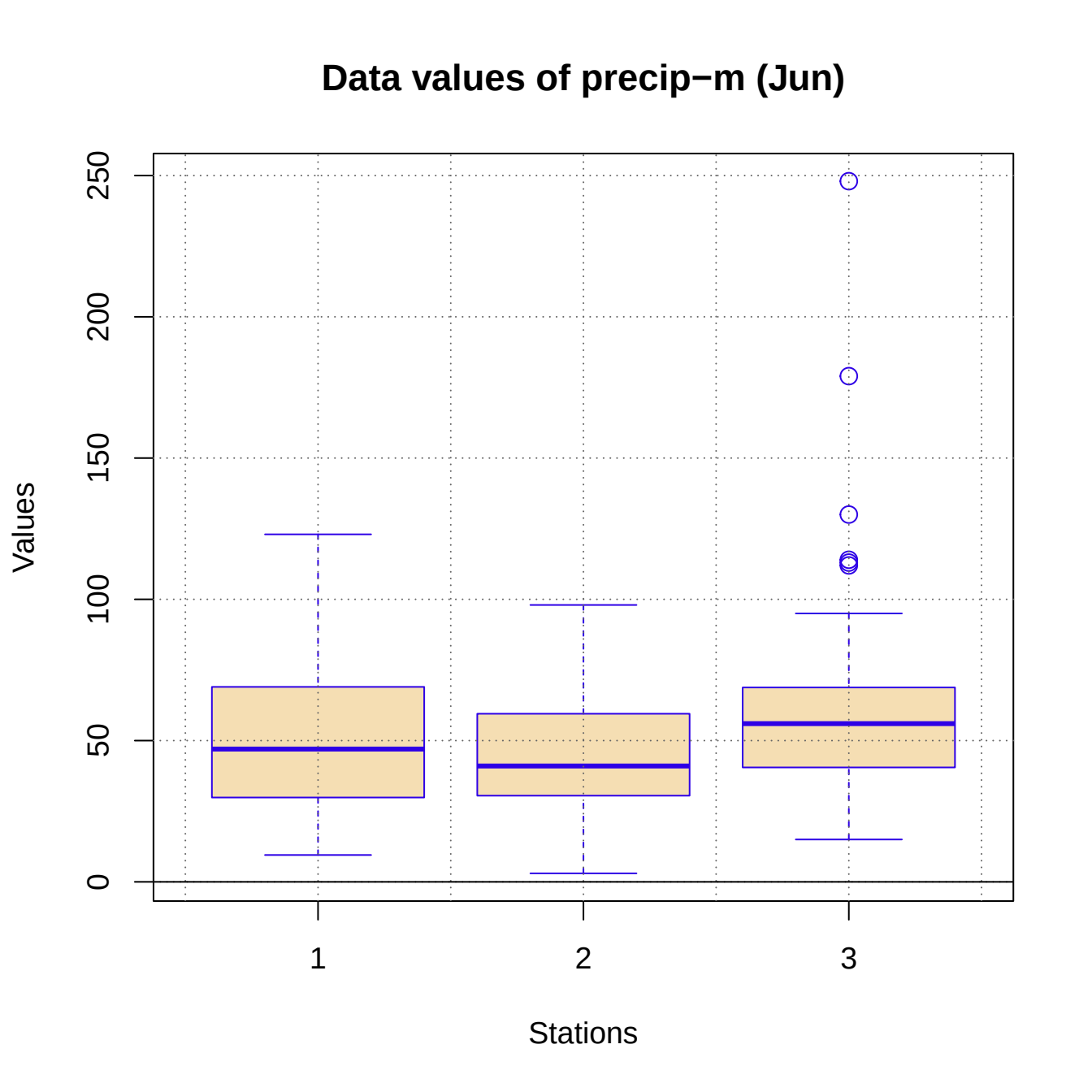

Data values of precip−m (Jan)
Values
0
50
100
150
200
1
2
3
Stations

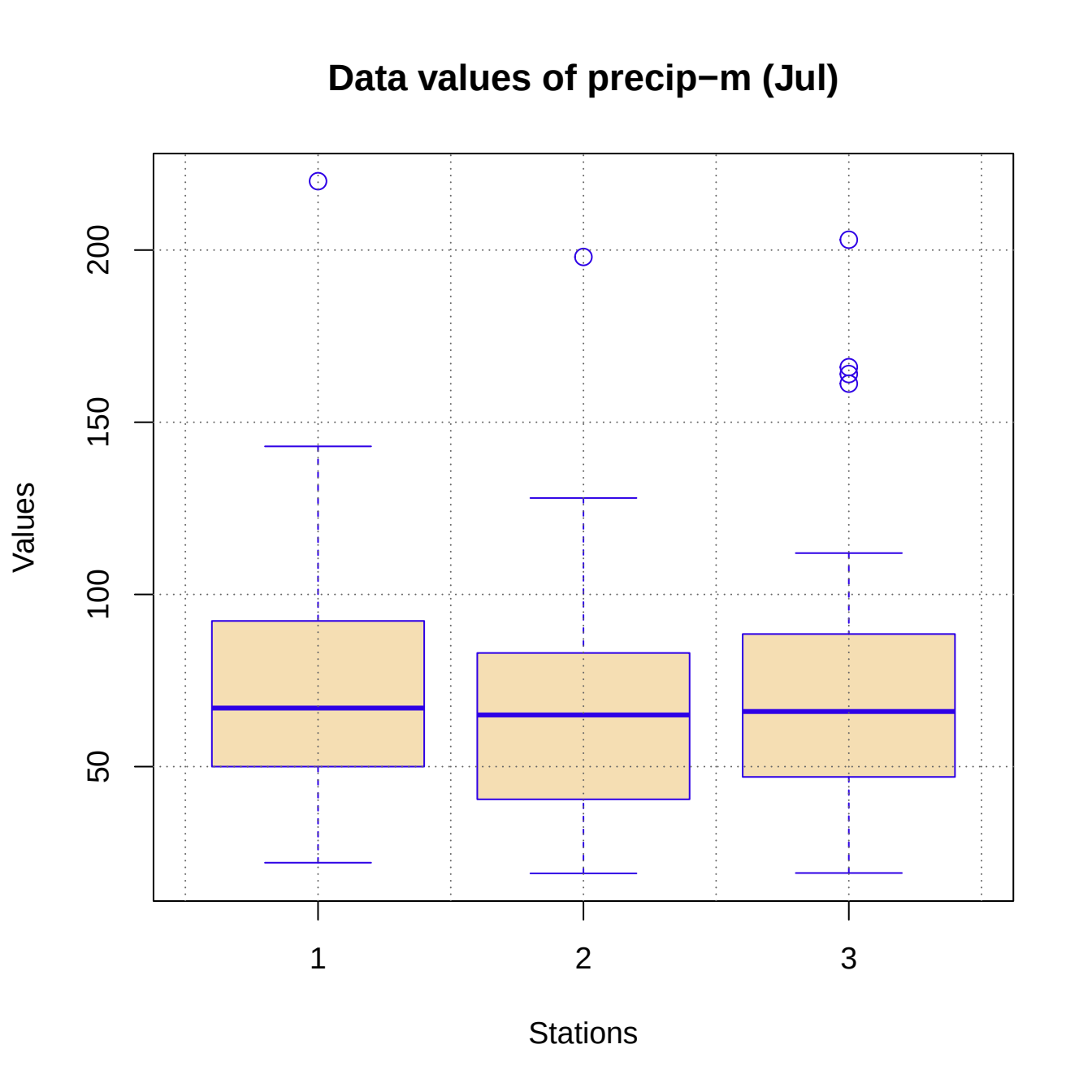

Data values of precip−m (Feb)
Values
50
100
150
200
1
2
3
Stations

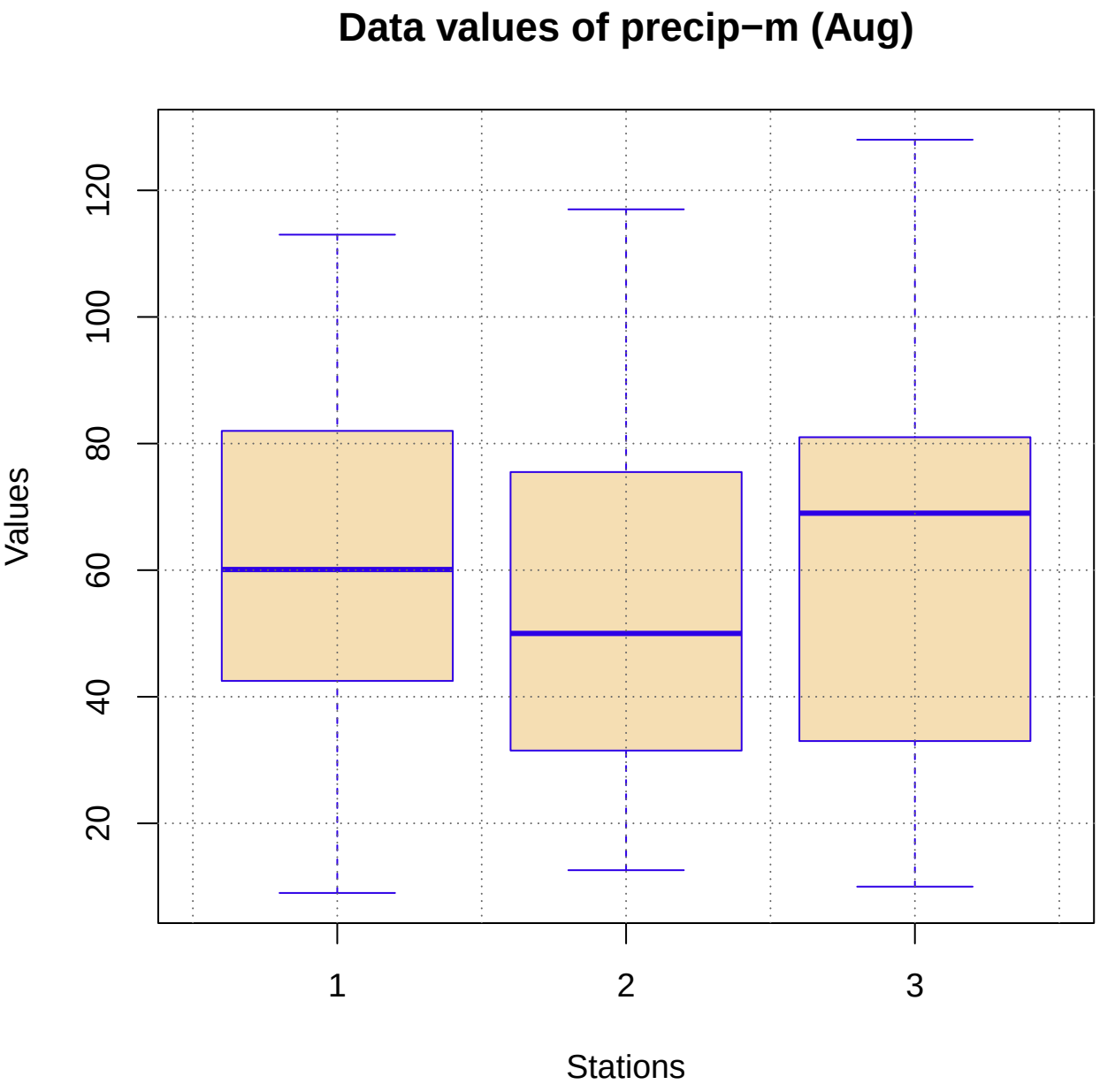

Data values of precip−m (Mar)
Values
0
50
100
150
200
1
2
3
Stations

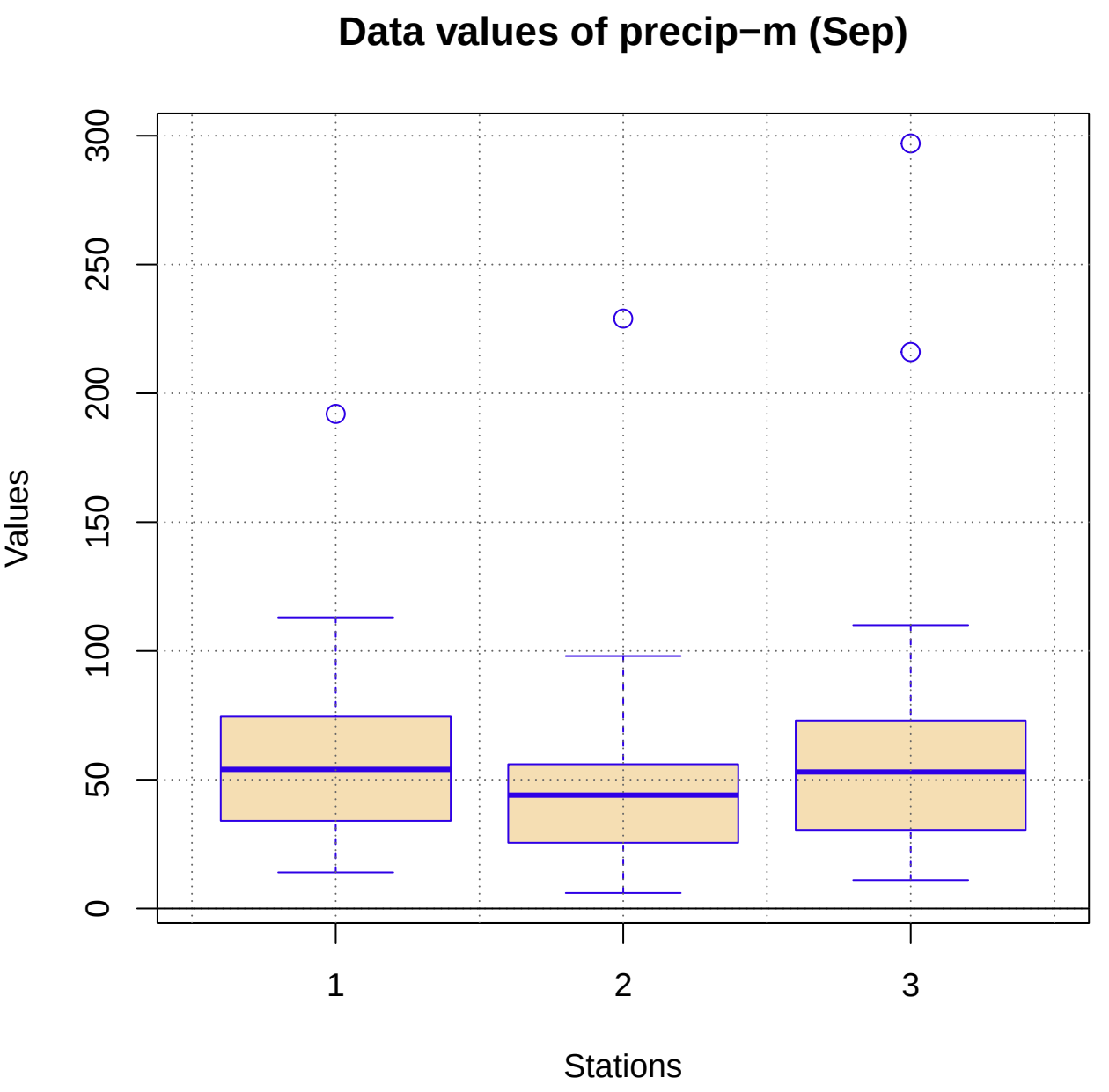

Data values of precip−m (Apr)
Values
0
50
100
150
200
250
1
2
3
Stations

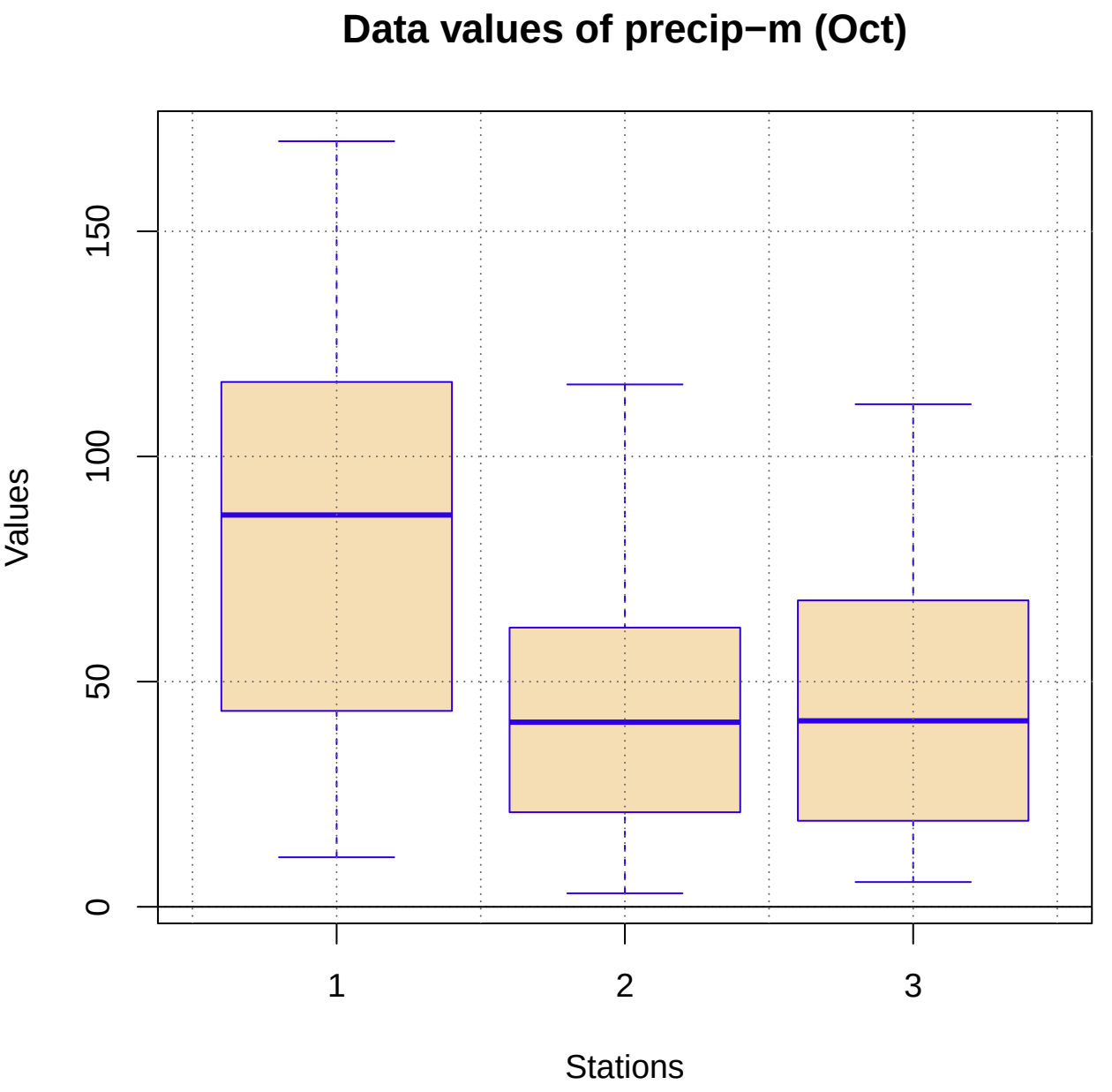

Data values of precip−m (May)
Values
250
200
150
100
50
1
2
3
Stations

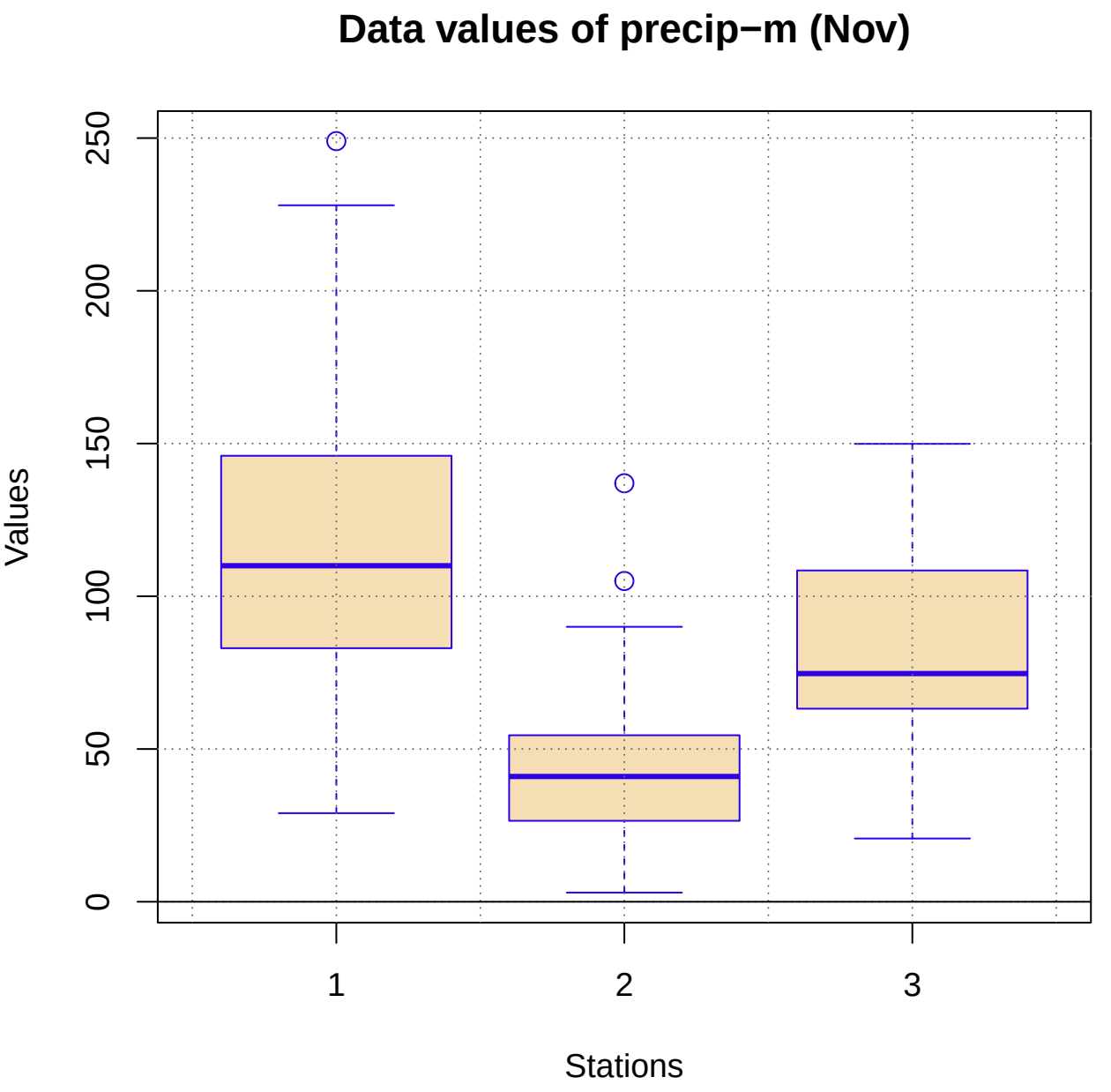

Data values of precip−m (Jun)
Values
0
50
100
150
200
250
1
2
3
Stations

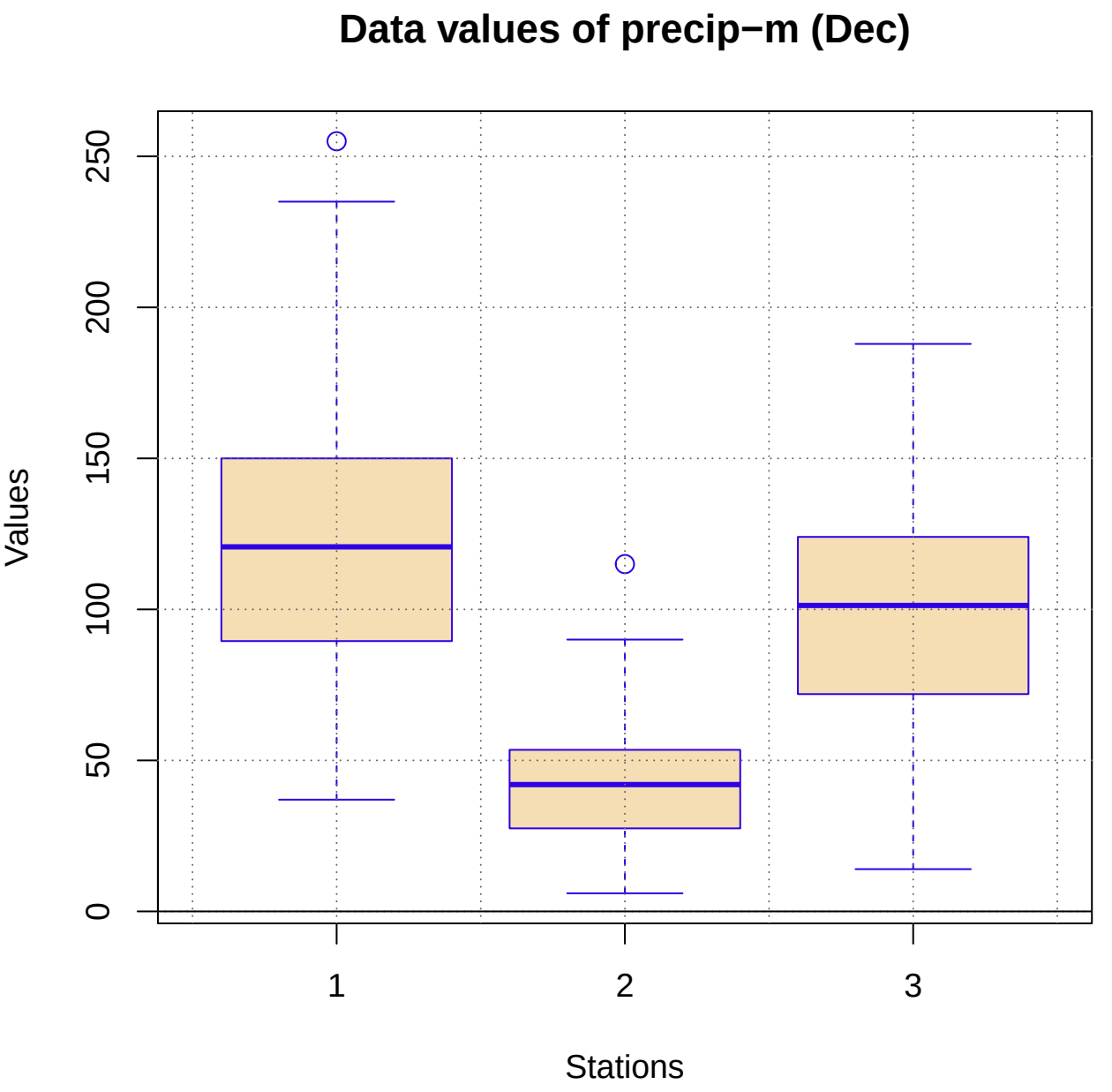

Data values of precip−m (Jul)
Values
50
100
150
200
1
2
3
Stations

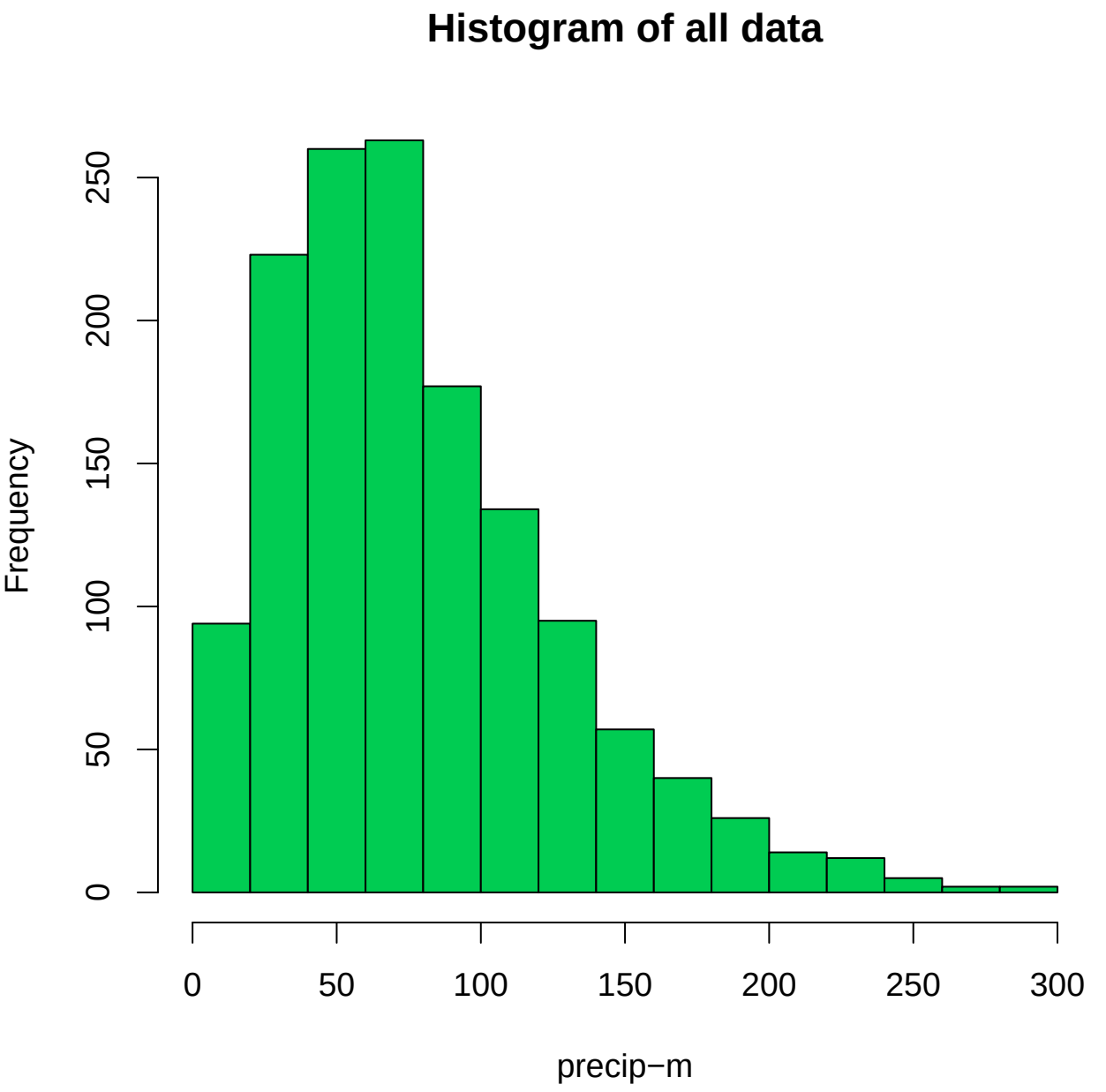

Data values of precip−m (Aug)
Values
20
40
60
80
100
120
1
2
3
Stations

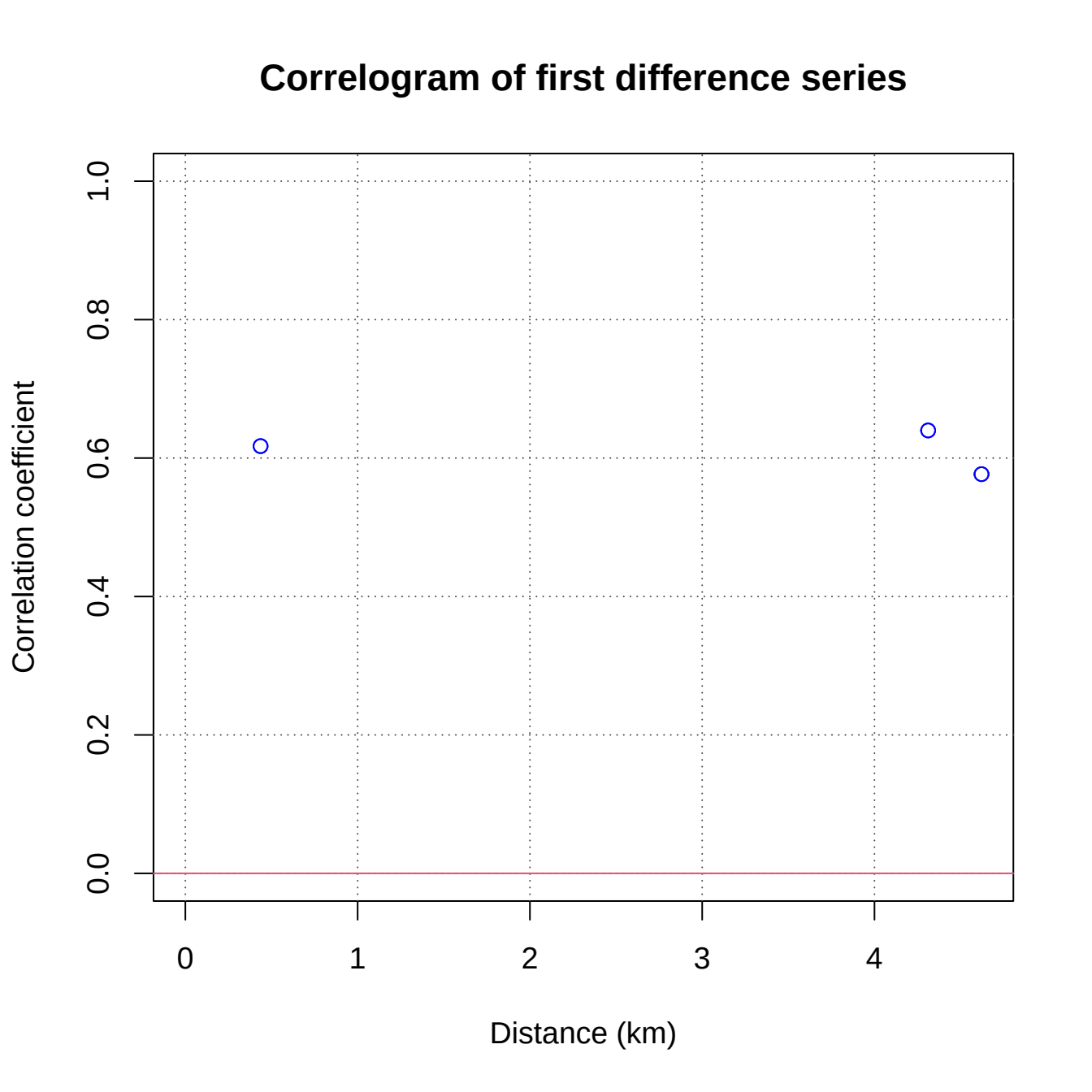

Data values of precip−m (Sep)
Values
0
50
100
150
200
250
300
1
2
3
Stations

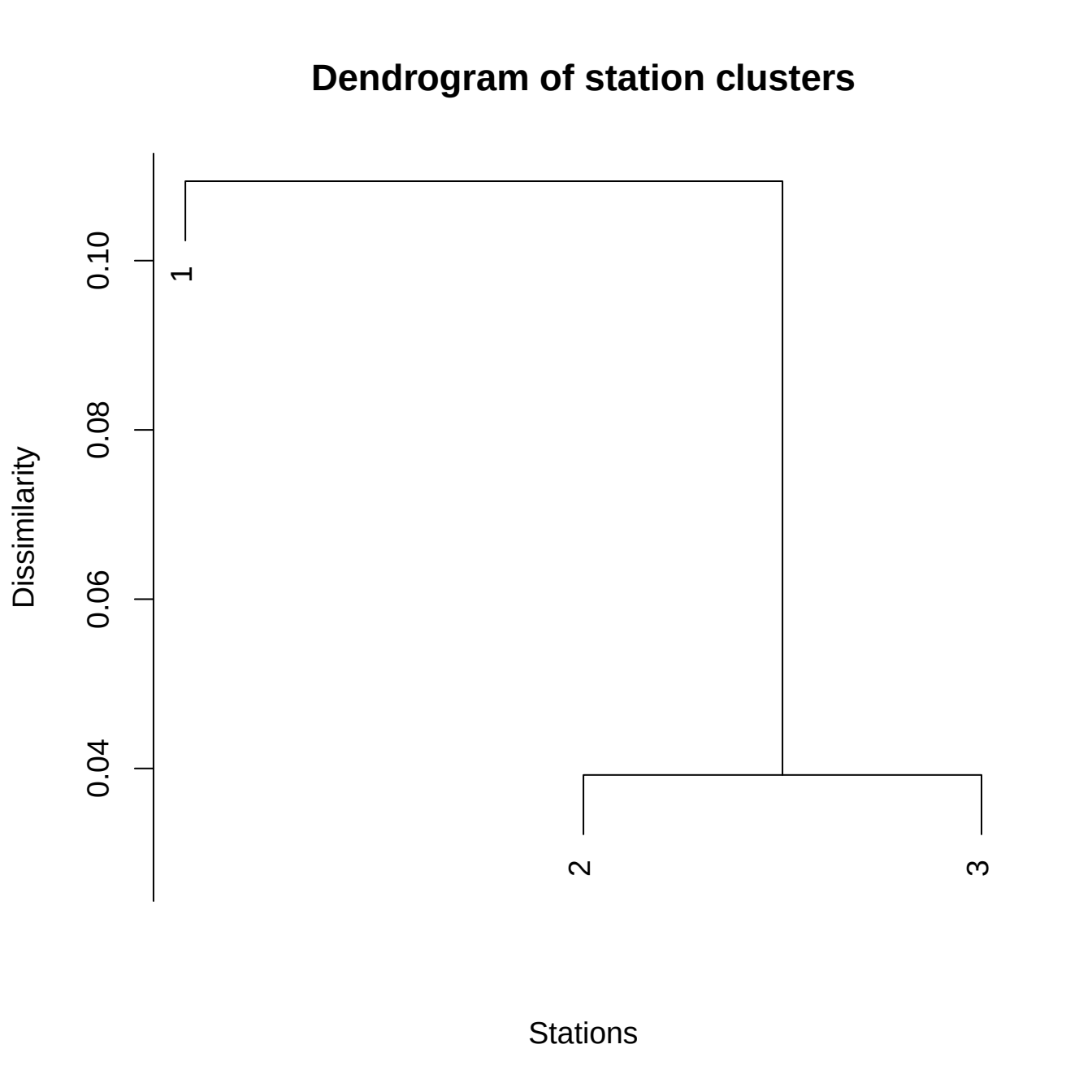

Data values of precip−m (Oct)
Values
0
50
100
150
1
2
3
Stations

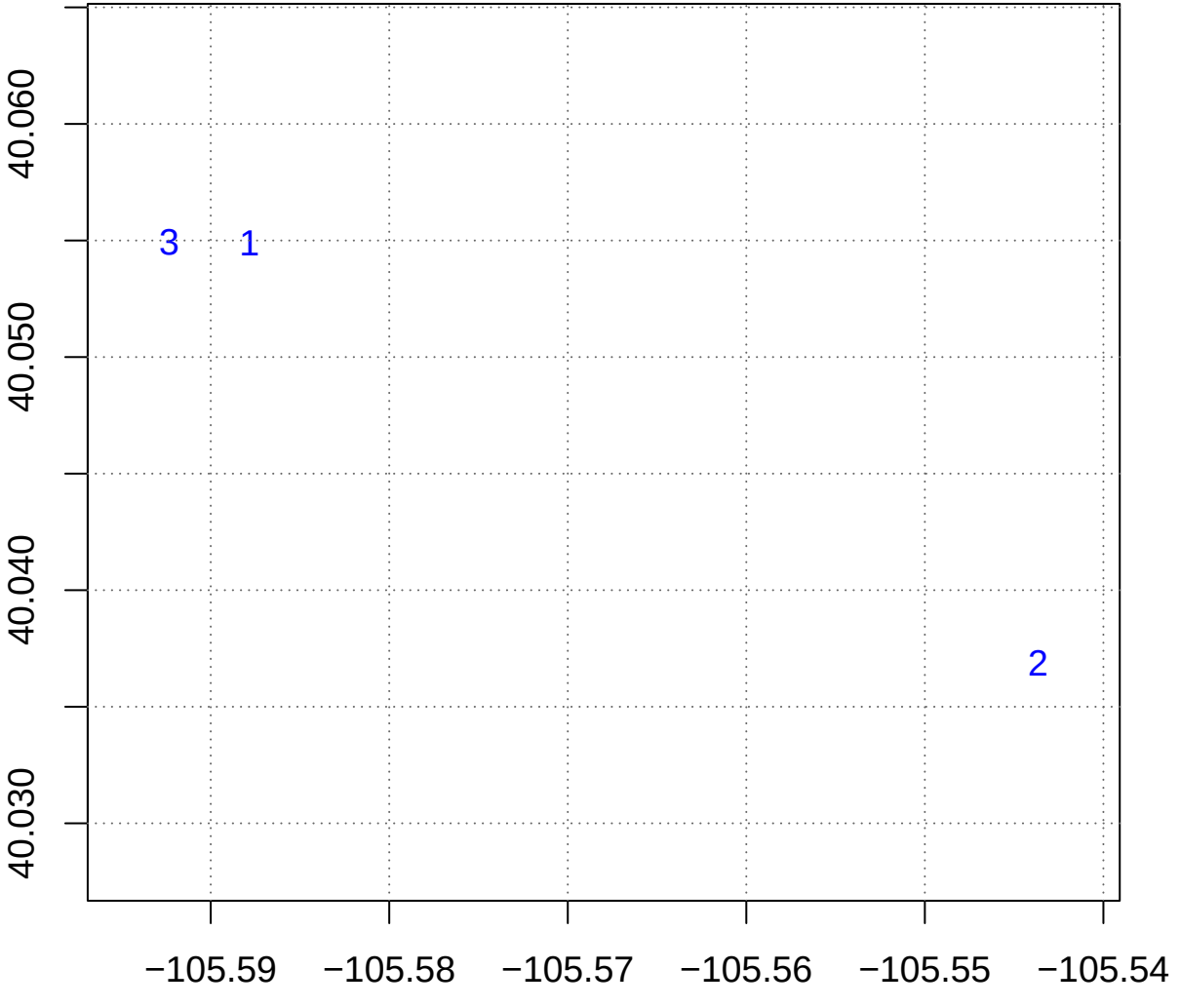

Data values of precip−m (Nov)
Values
0
50
100
150
200
250
1
2
3
Stations


Data values of precip−m (Dec)
Values
0
50
100
150
200
250
1
2
3
Stations


Histogram of all data
Frequency
0
50
100
150
200
250
0
50
100
150
200
250
300
precip−m

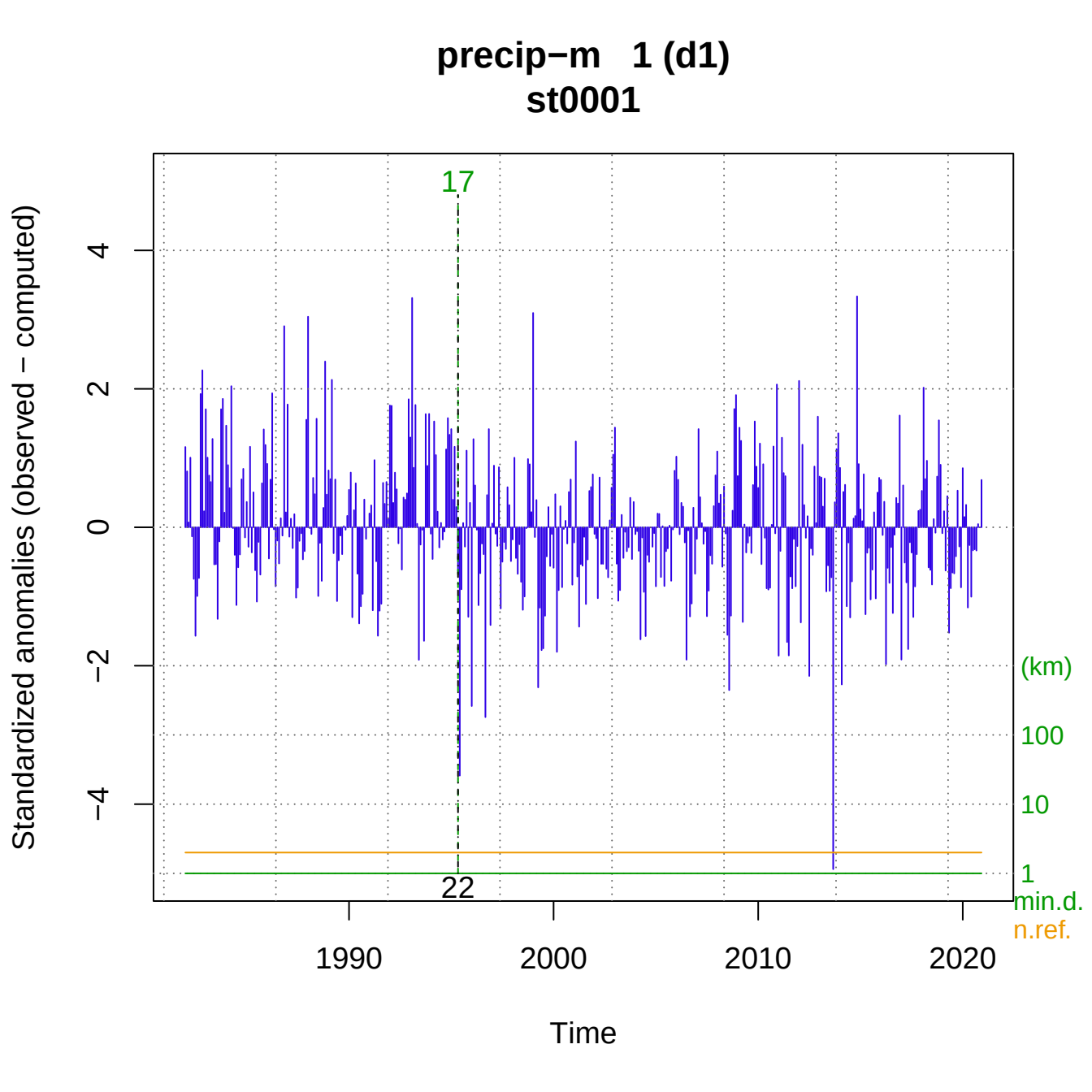

Correlogram of first difference series
Correlation coefficient
0.0
0.2
0.4
0.6
0.8
1.0
0
1
2
3
4
Distance (km)

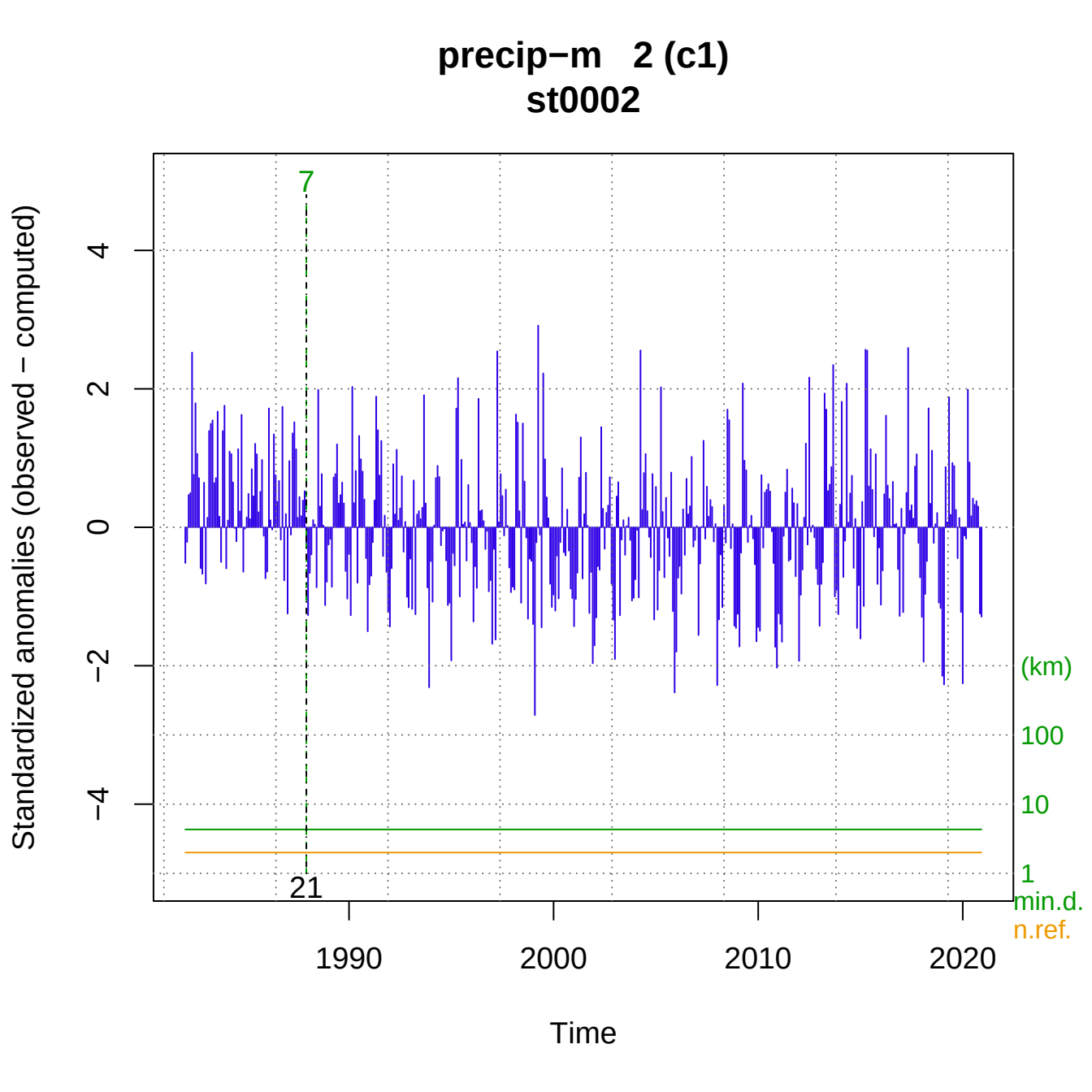

Dendrogram of station clusters
Dissimilarity
0.04
0.06
0.08
0.10
1
2
3
Stations

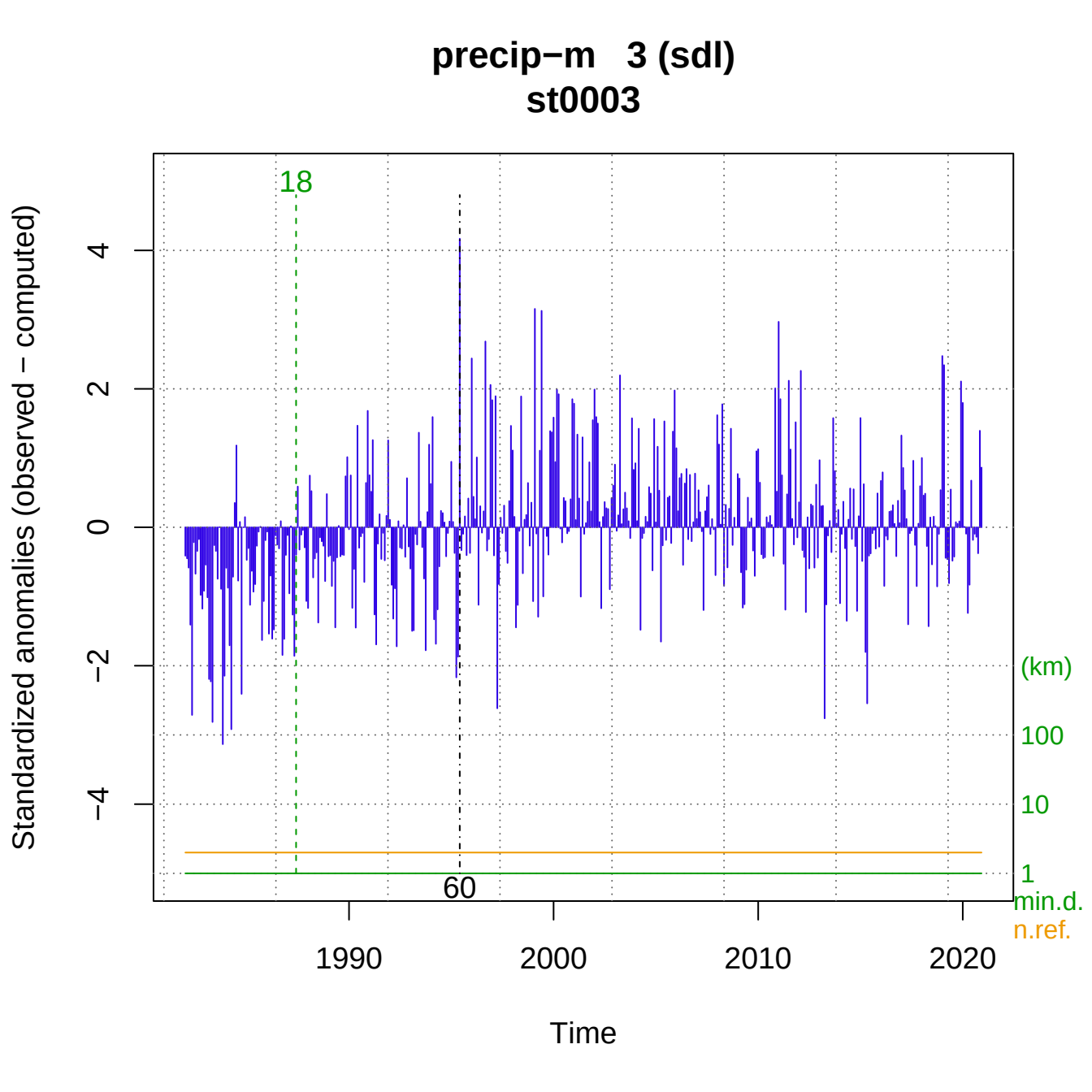

precip−m station locations
40.060
40.050
40.040
40.030
3
1
2
−105.59
−105.58
−105.57
−105.56
−105.55
−105.54

Stage 3

Anomalies after
missing data
recalculation
with wd = 100 km
(swa = 60)

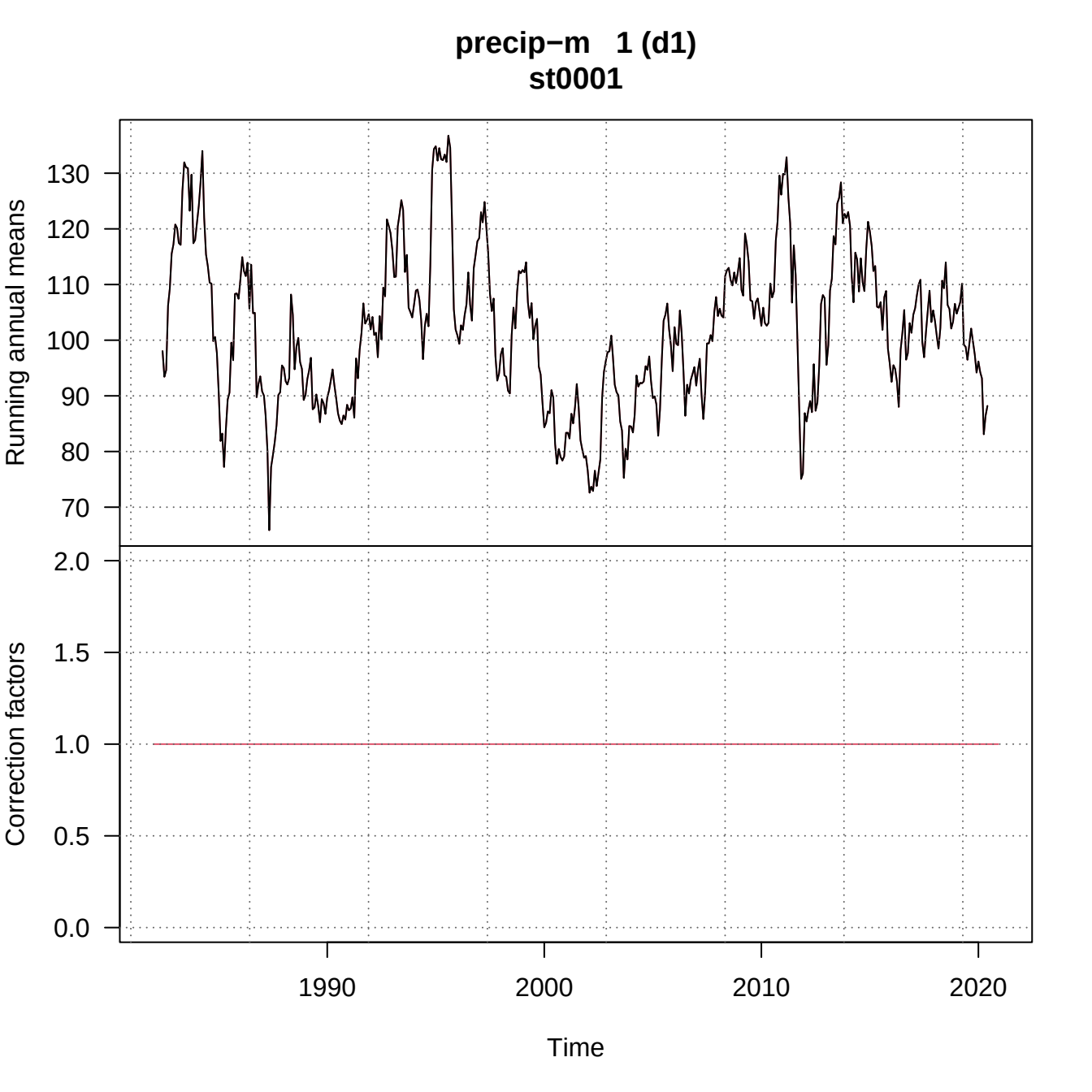

precip−m 1 (d1)
st0001
17
22
Standardized anomalies (observed − computed)
4
2
0
−2
−4
1990
2000
2010
2020
Time
(km)
100
10
1
min.d.
n.ref.

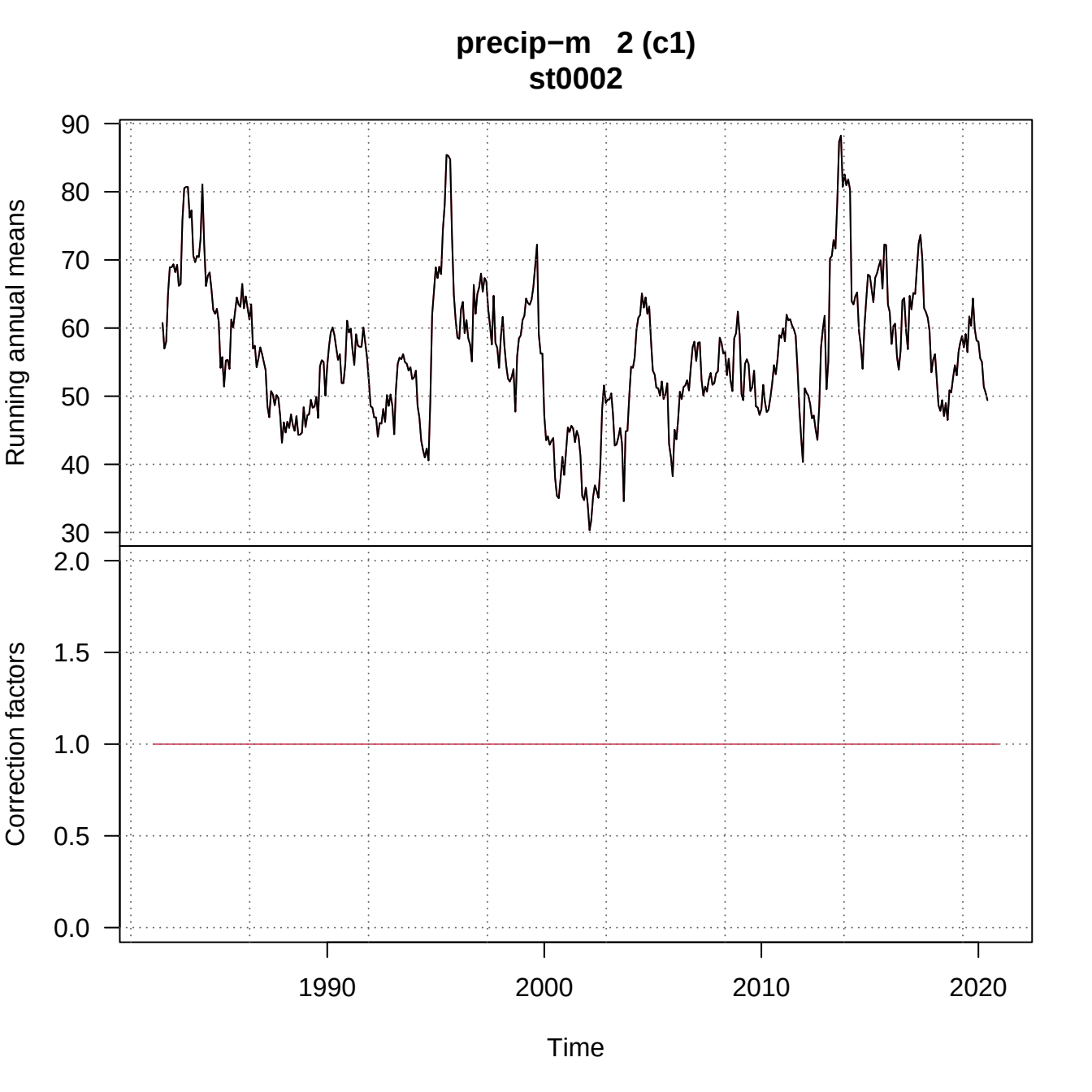

precip−m 2 (c1)
st0002
Standardized anomalies (observed − computed)
4
2
0
−2
−4
7
21
1990
2000
2010
2020
Time
(km)
100
10
1
min.d.
n.ref.

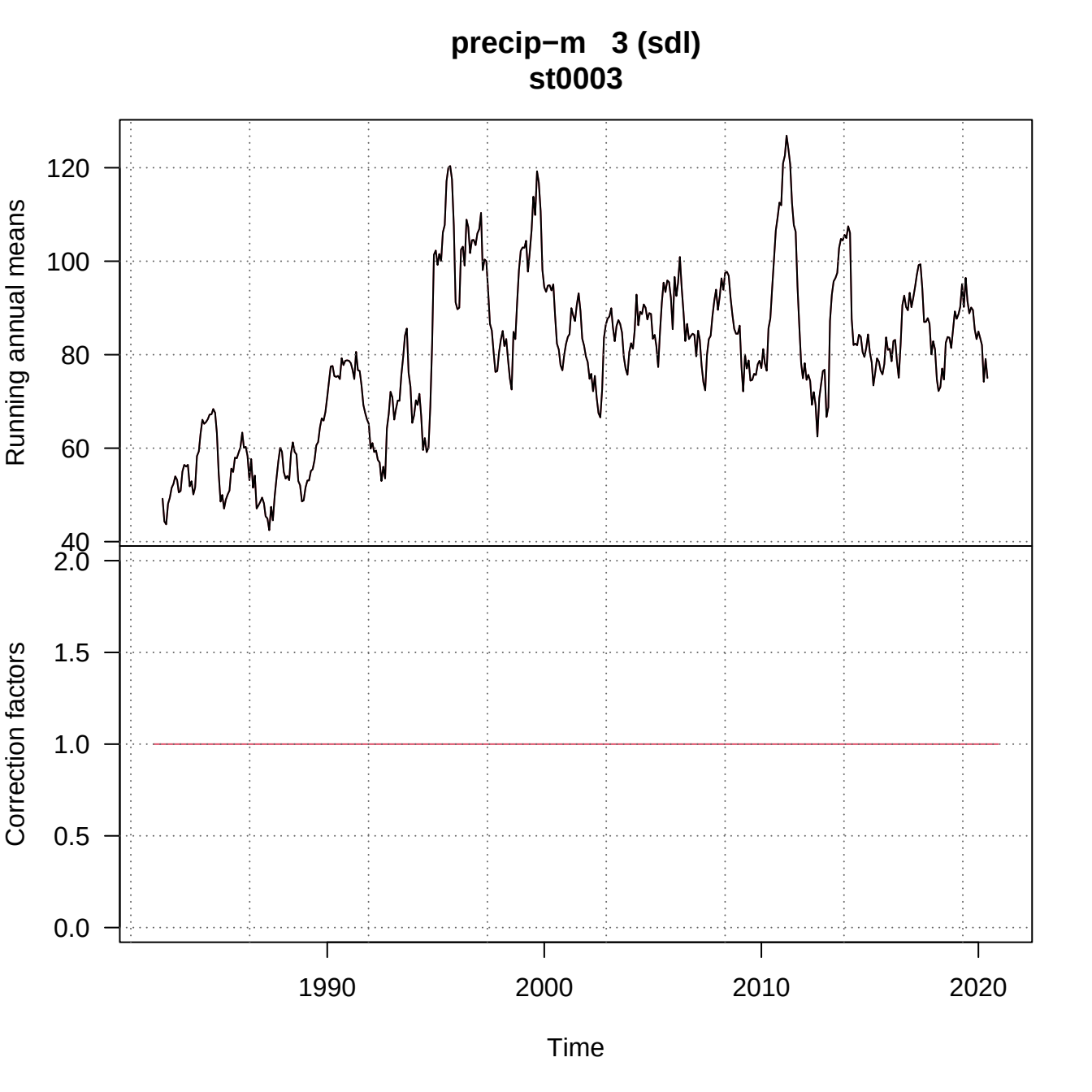

precip−m 3 (sdl)
st0003
Standardized anomalies (observed − computed)
4
2
0
−2
−4
18
60
1990
2000
2010
2020
Time
(km)
100
10
1
min.d.
n.ref.

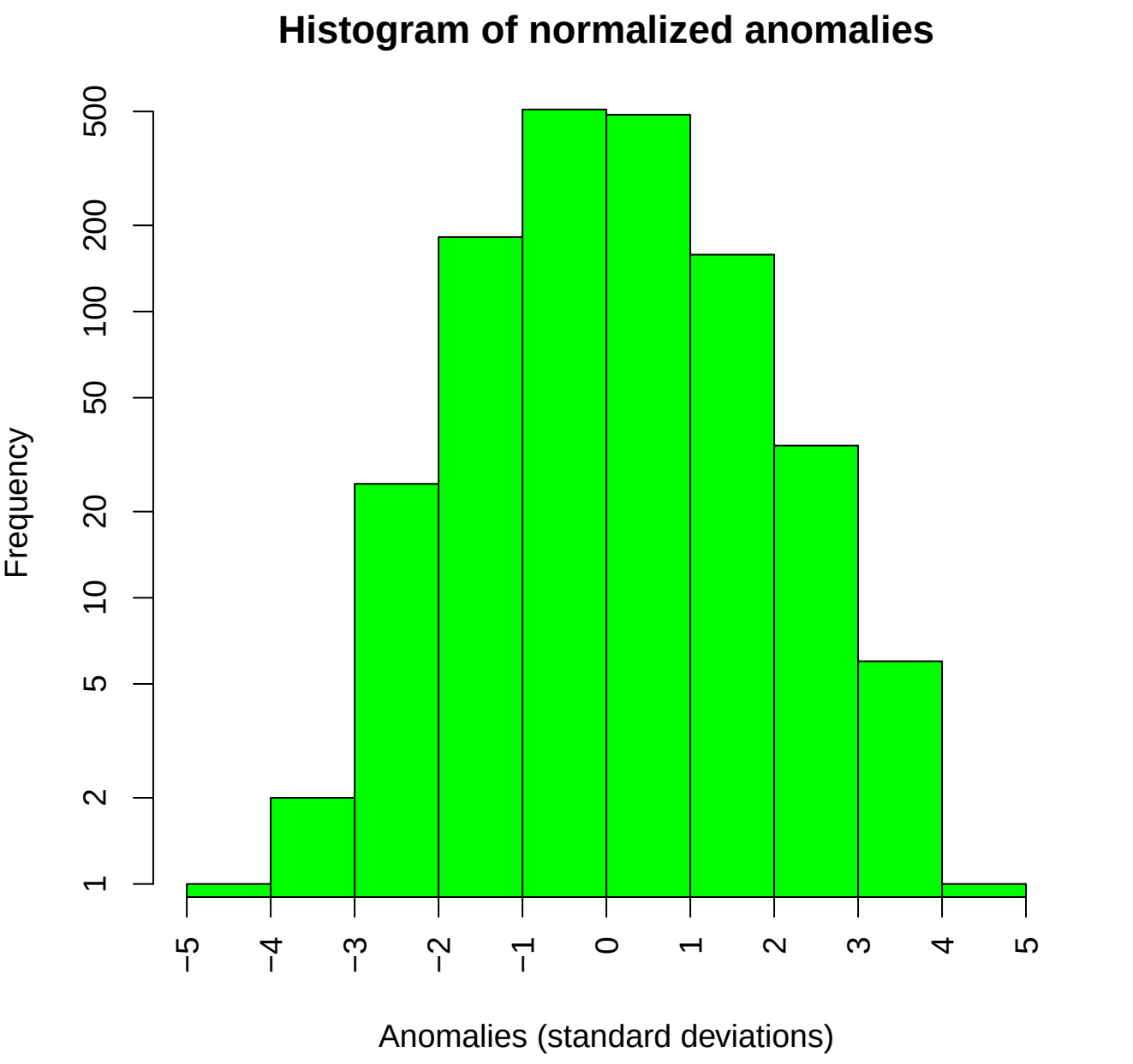
Final graphics

Adjusted series and applied corrections

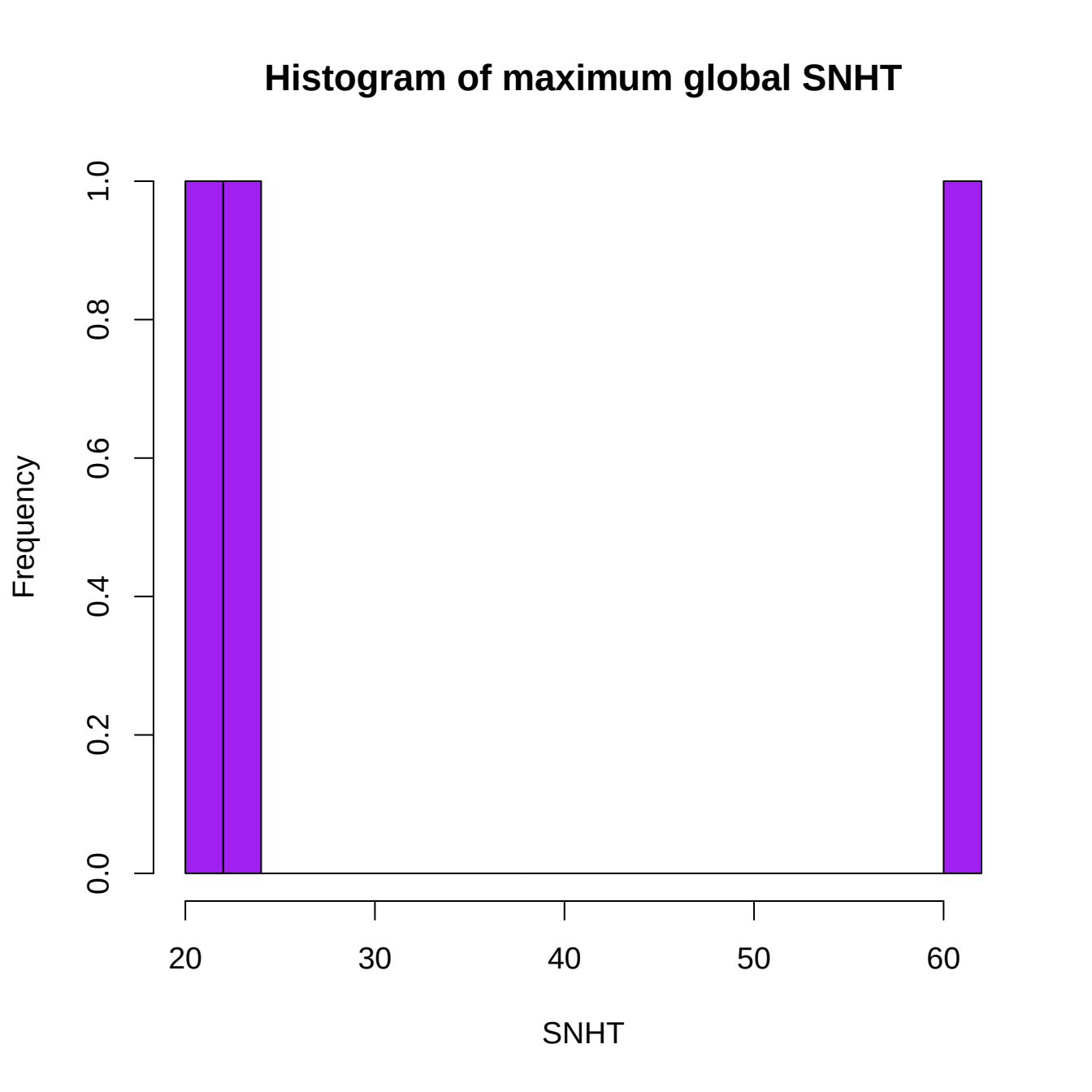

precip−m 1 (d1)
st0001
Running annual means
130
120
110
100
90
80
70
Correction factors
2.0
1.5
1.0
0.5
0.0
1990
2000
2010
2020
Time

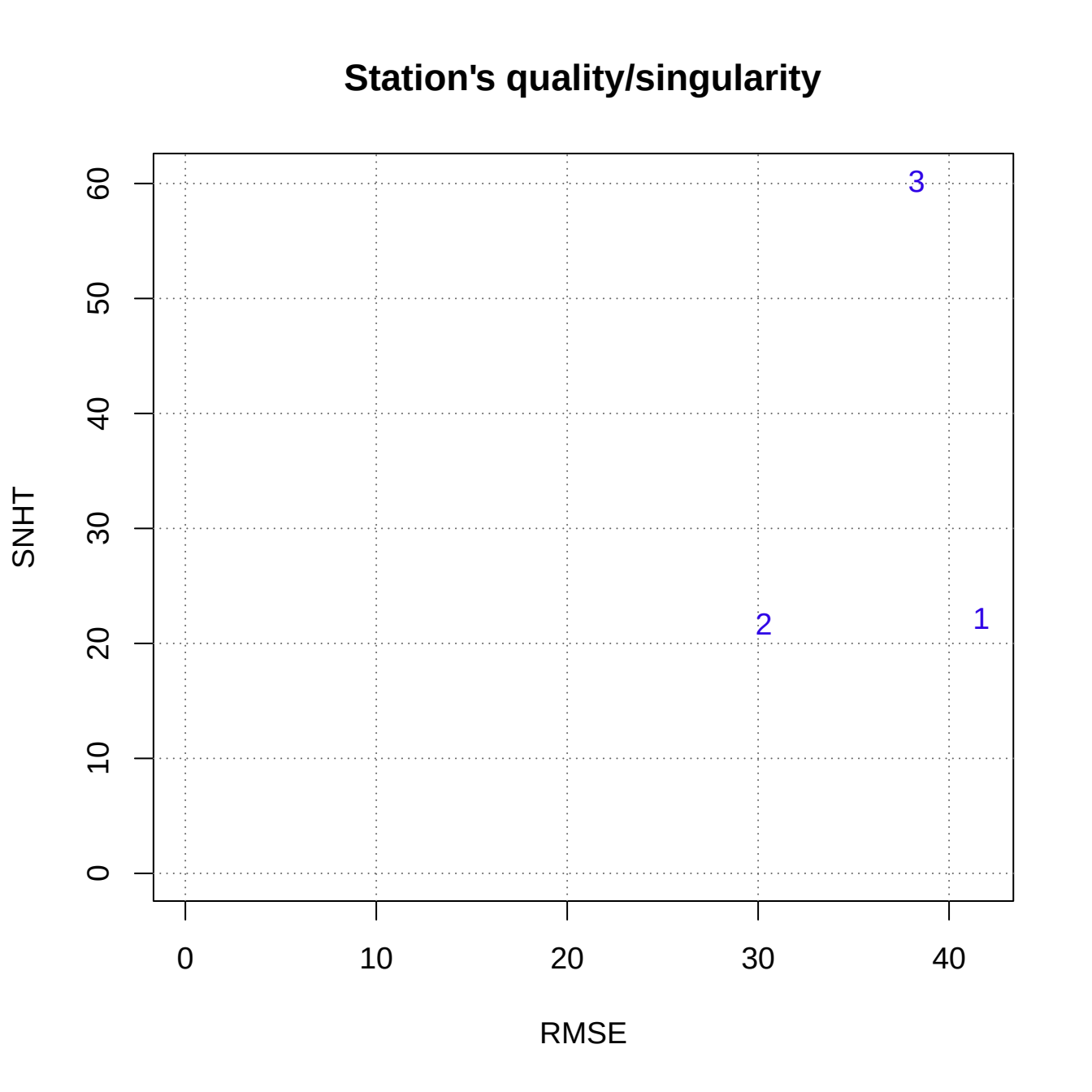

precip−m 2 (c1)
st0002
Running annual means
90
80
70
60
50
40
30
Correction factors
2.0
1.5
1.0
0.5
0.0
1990
2000
2010
2020
Time


precip−m 3 (sdl)
st0003
Running annual means
120
100
80
60
40
Correction factors
2.0
1.5
1.0
0.5
0.0
1990
2000
2010
2020
Time


Histogram of normalized anomalies
Frequency
1
2
5
10
20
50
100
200
500
−5
−4
−3
−2
−1
0
1
2
3
4
5
Anomalies (standard deviations)


Histogram of maximum windowed SNHT
Frequency
0.0
0.2
0.4
0.6
0.8
1.0
8
10
12
14
16
18
SNHT


Histogram of maximum global SNHT
Frequency
0.0
0.2
0.4
0.6
0.8
1.0
20
30
40
50
60
SNHT


Station's quality/singularity
SNHT
RMSE
0
10
20
30
40
50
60
0
10
20
30
40
3
2
1