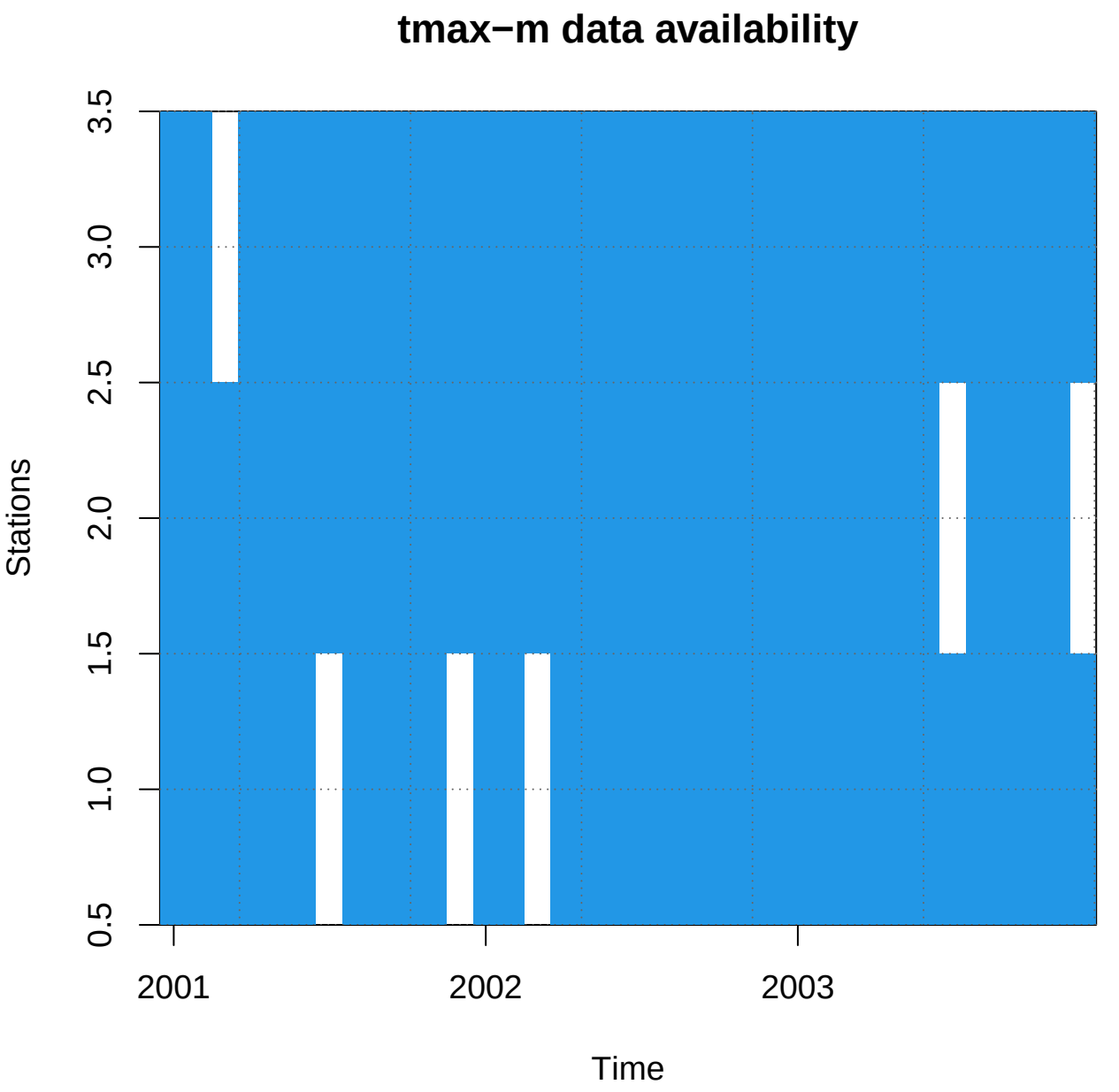
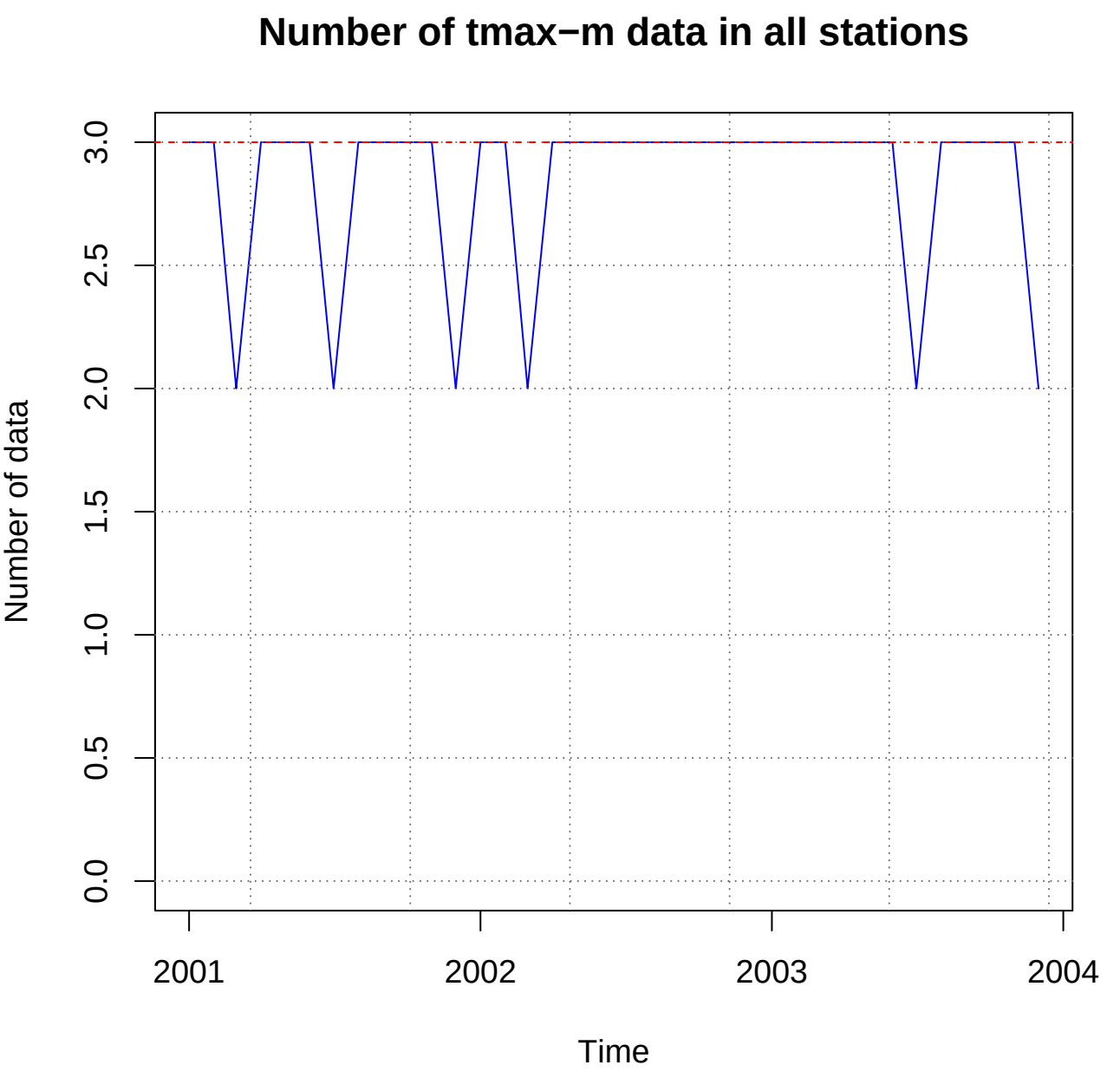
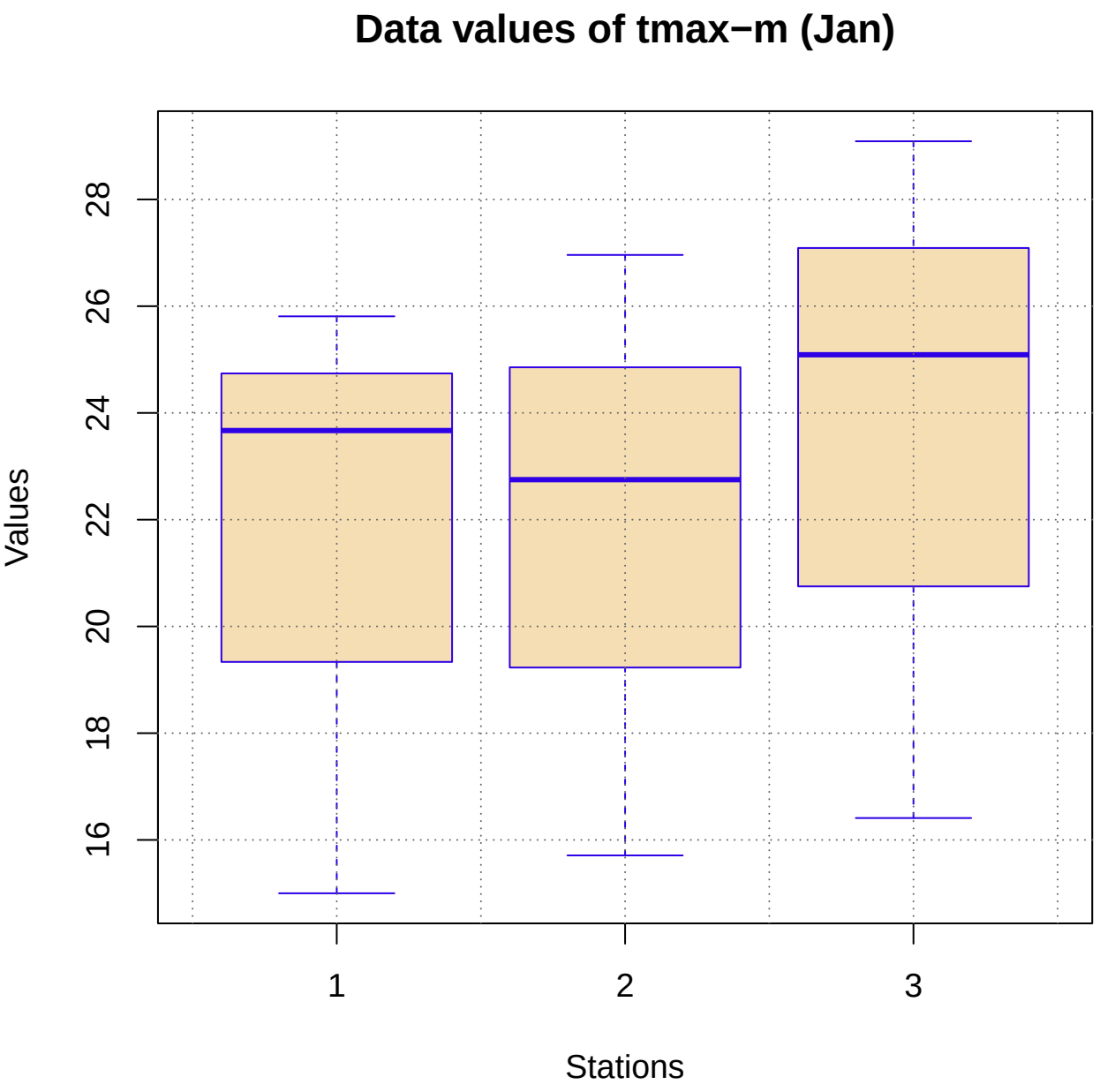
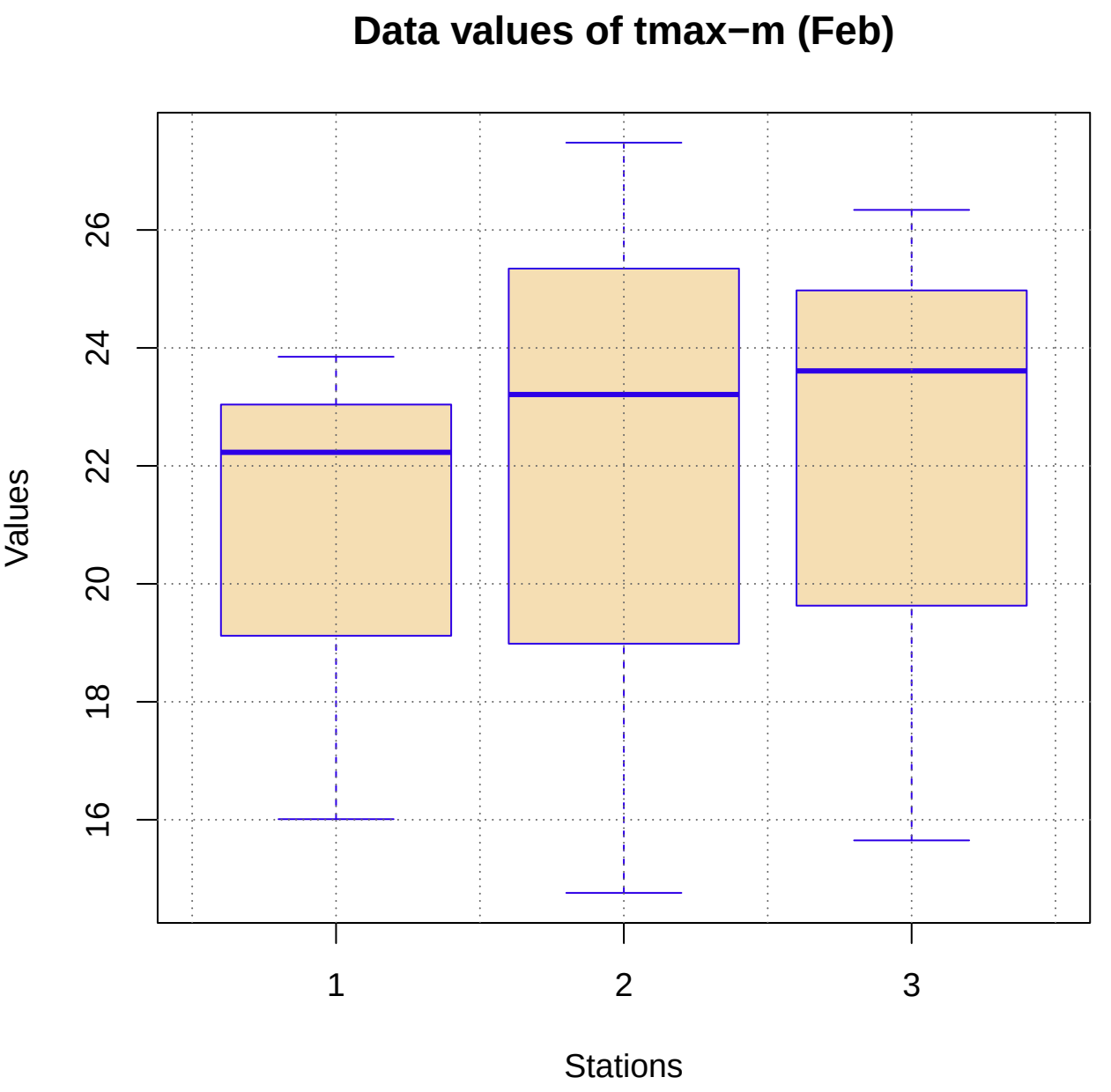
CLIMATOL 3.1.1

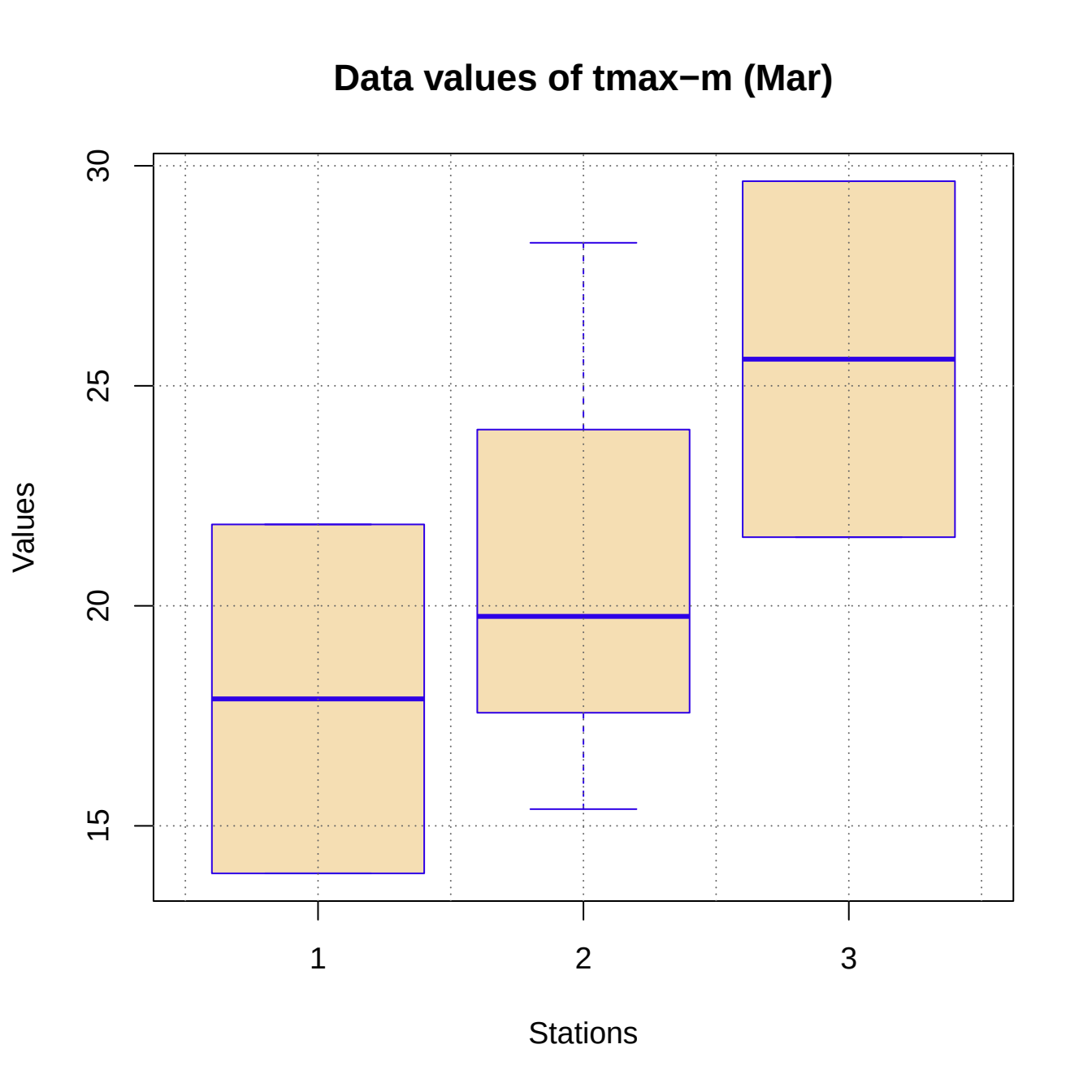
Homogenization
graphic output of
tmax−m
2001−2003

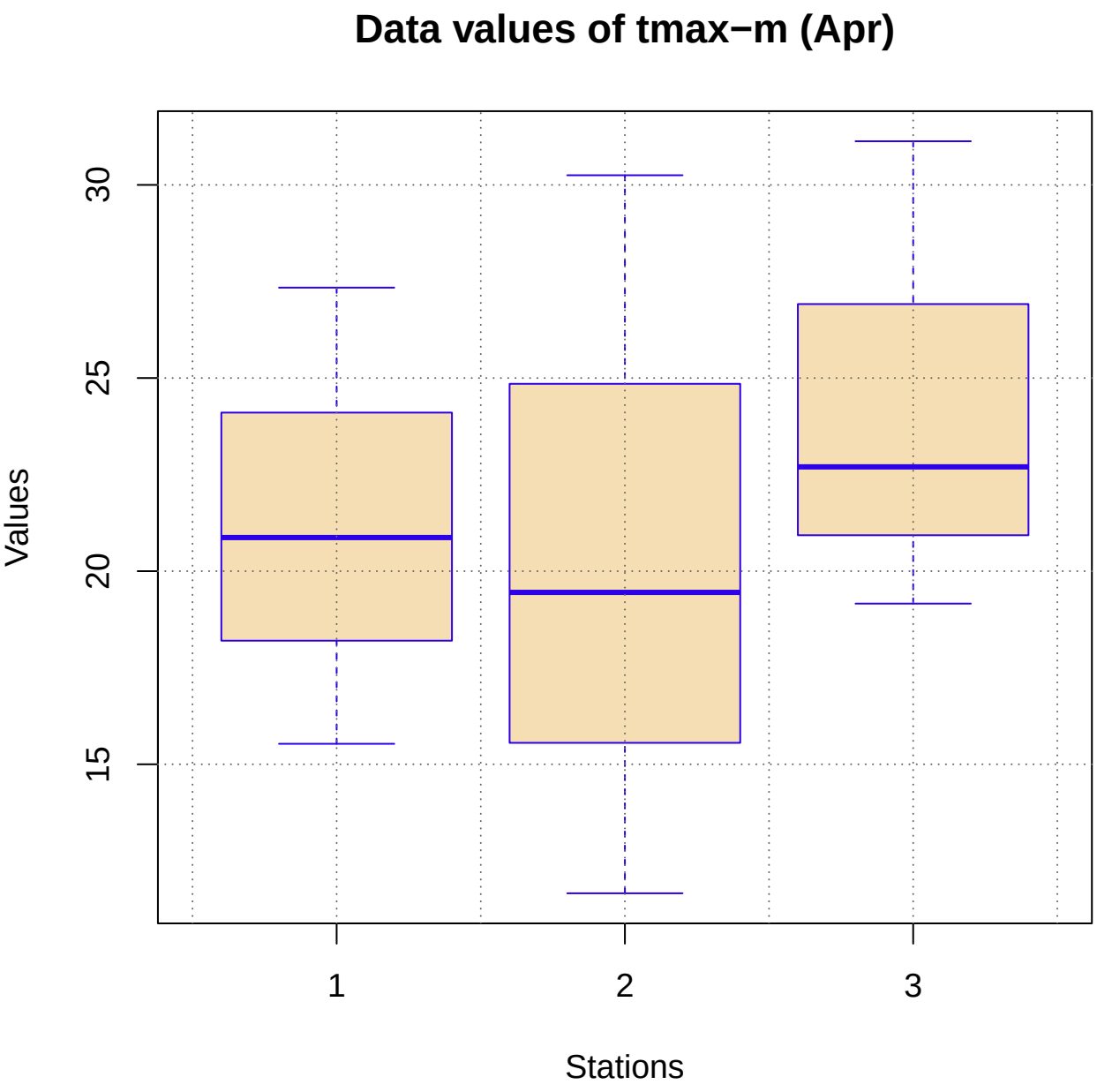

tmax−m data availability
Stations
0.5
1.0
1.5
2.0
2.5
3.0
3.5
2001
2002
2003
Time

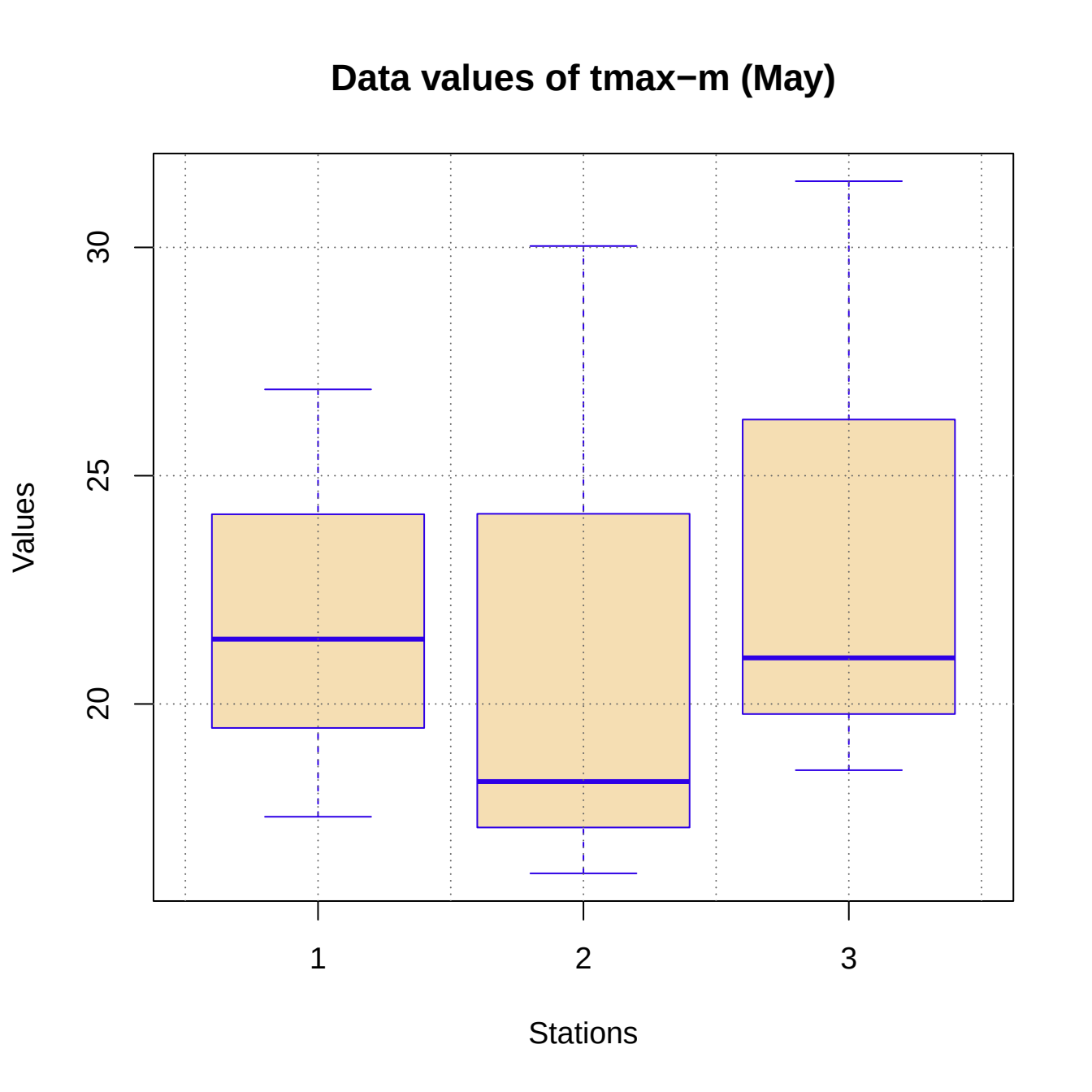

Number of tmax−m data in all stations
Number of data
0.0
0.5
1.0
1.5
2.0
2.5
3.0
2001
2002
2003
2004
Time

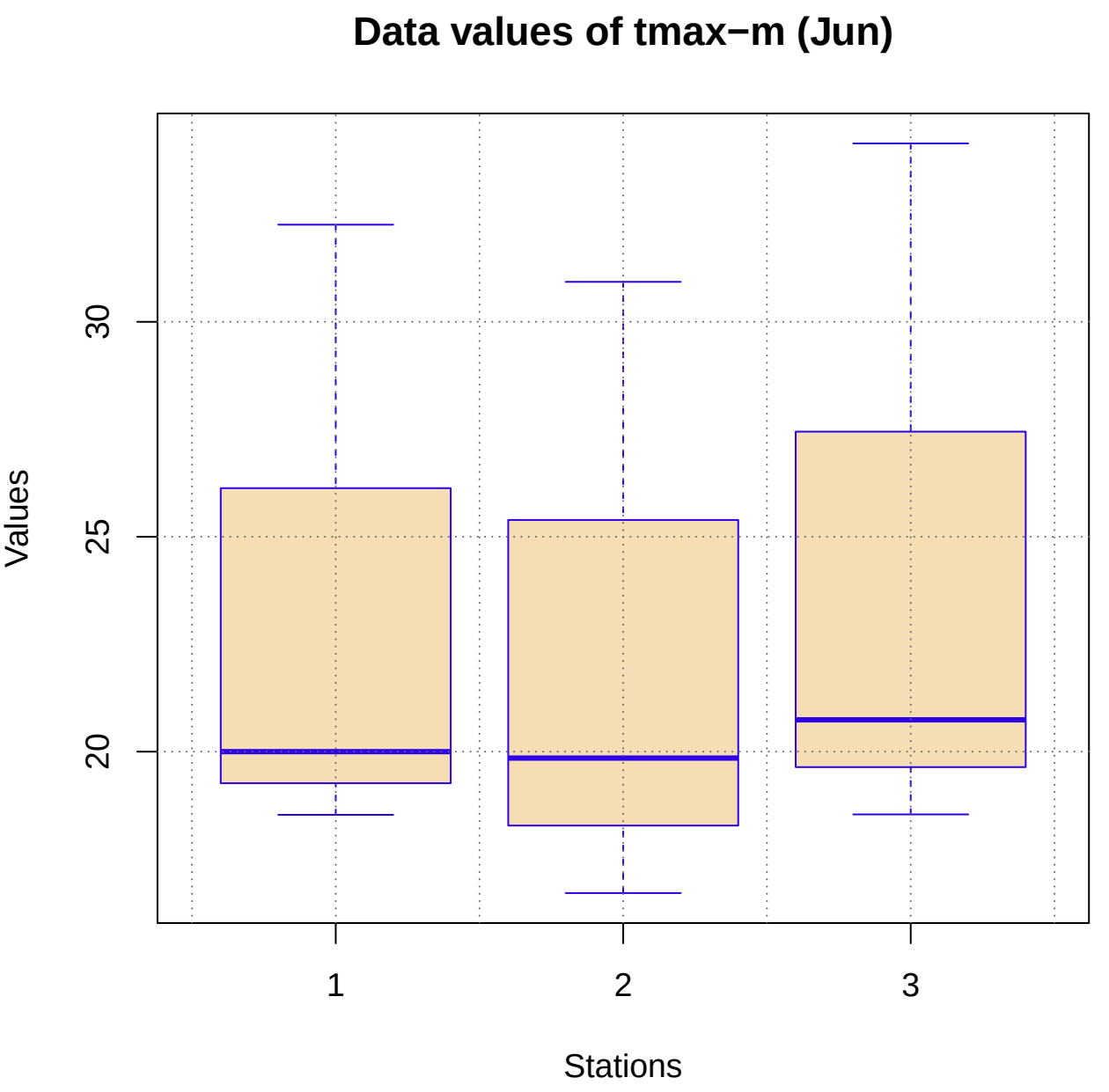

Data values of tmax−m (Jan)
Values
16
18
20
22
24
26
28
1
2
3
Stations

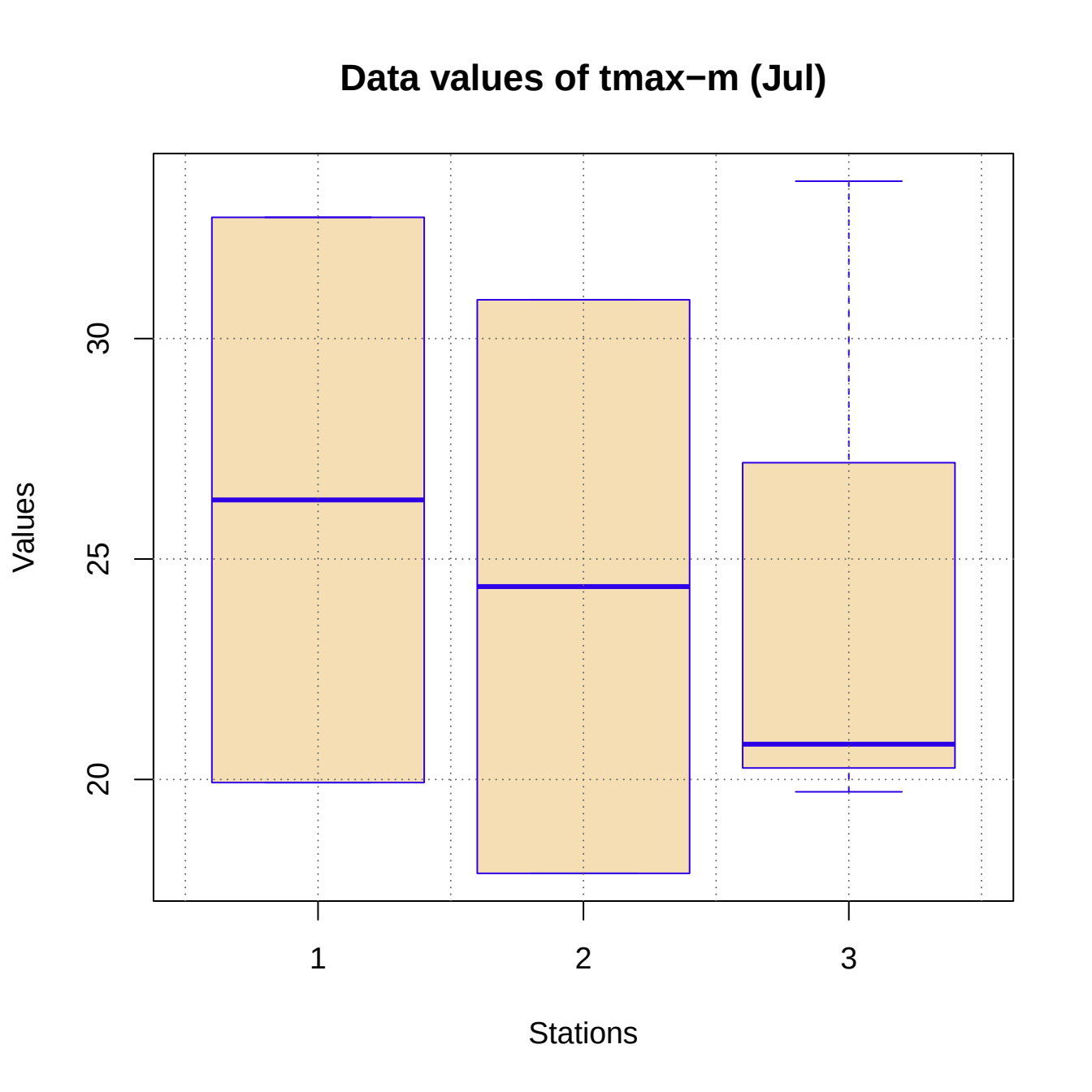

Data values of tmax−m (Feb)
Values
16
18
20
22
24
26
1
2
3
Stations

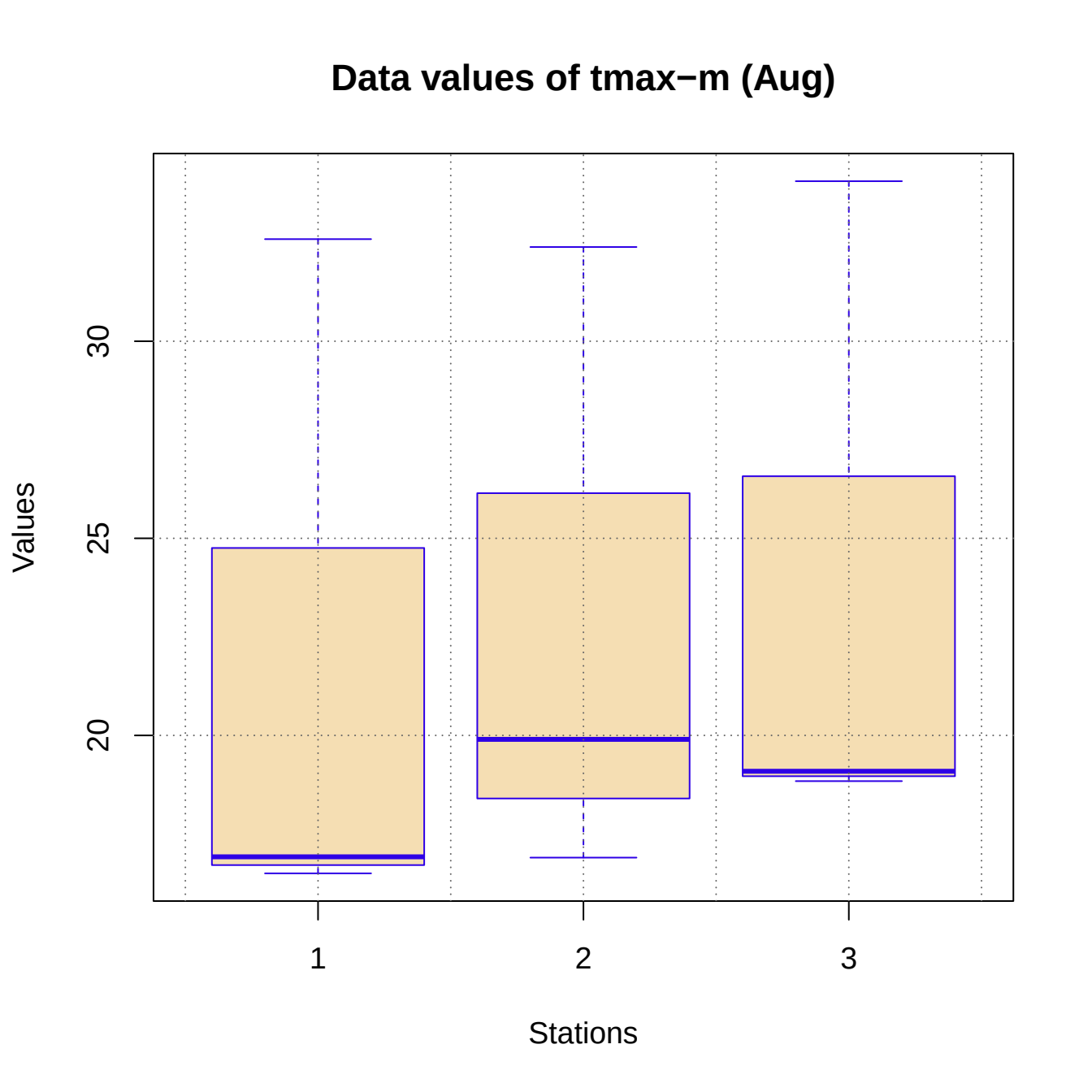

Data values of tmax−m (Mar)
Values
30
25
20
15
1
2
3
Stations

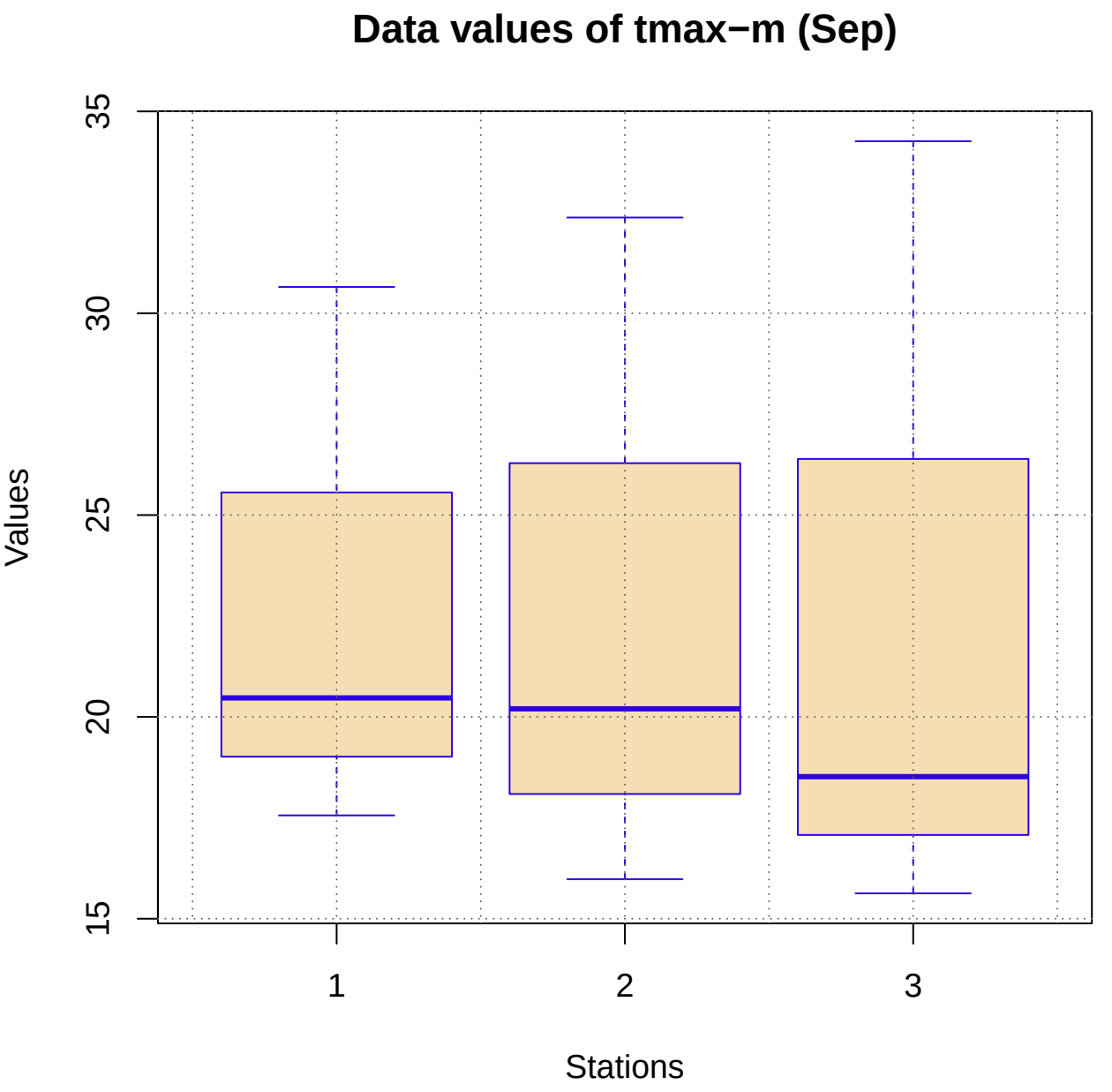

Data values of tmax−m (Apr)
Values
30
25
20
15
1
2
3
Stations

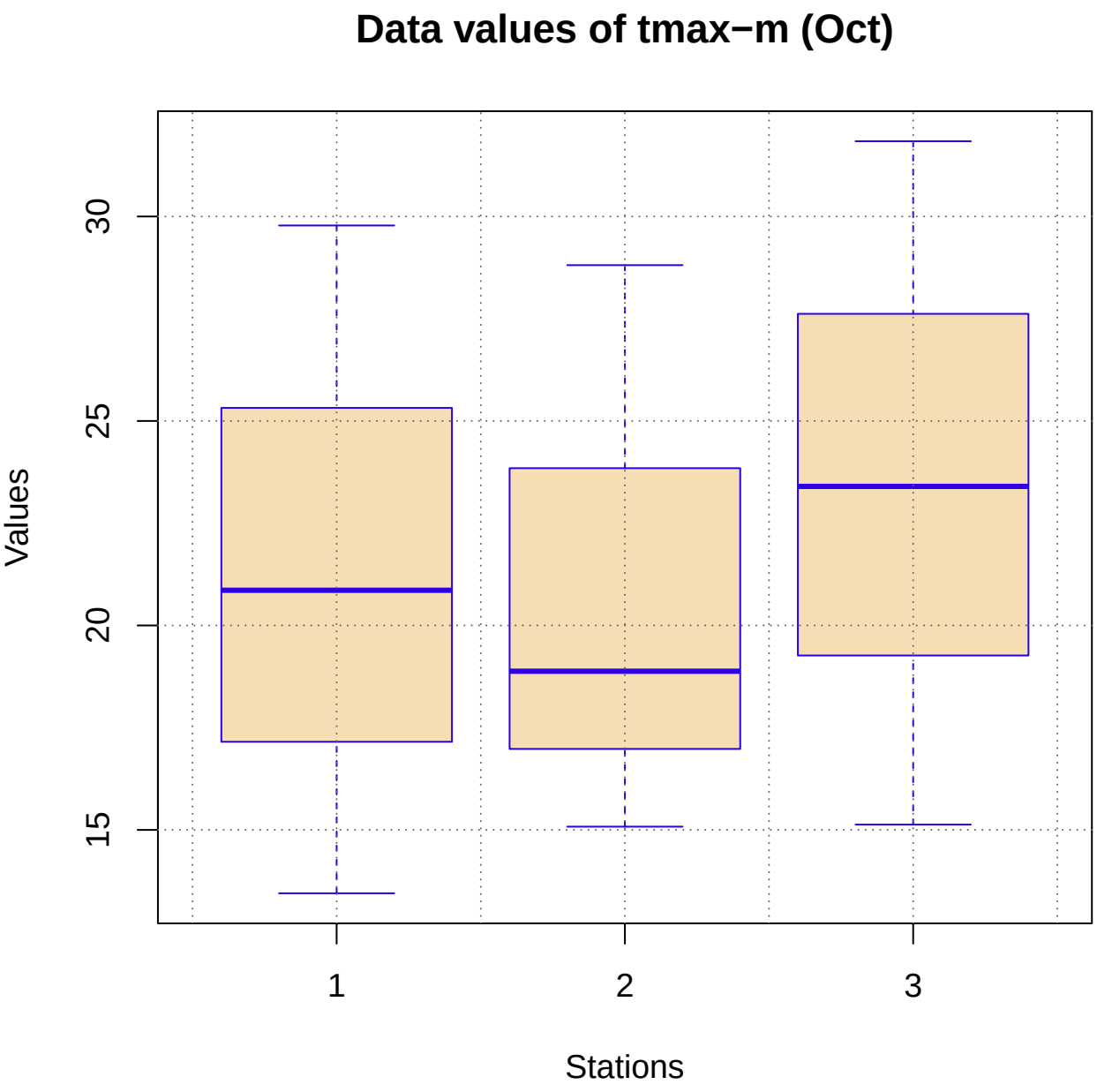

Data values of tmax−m (May)
Values
30
25
20
1
2
3
Stations

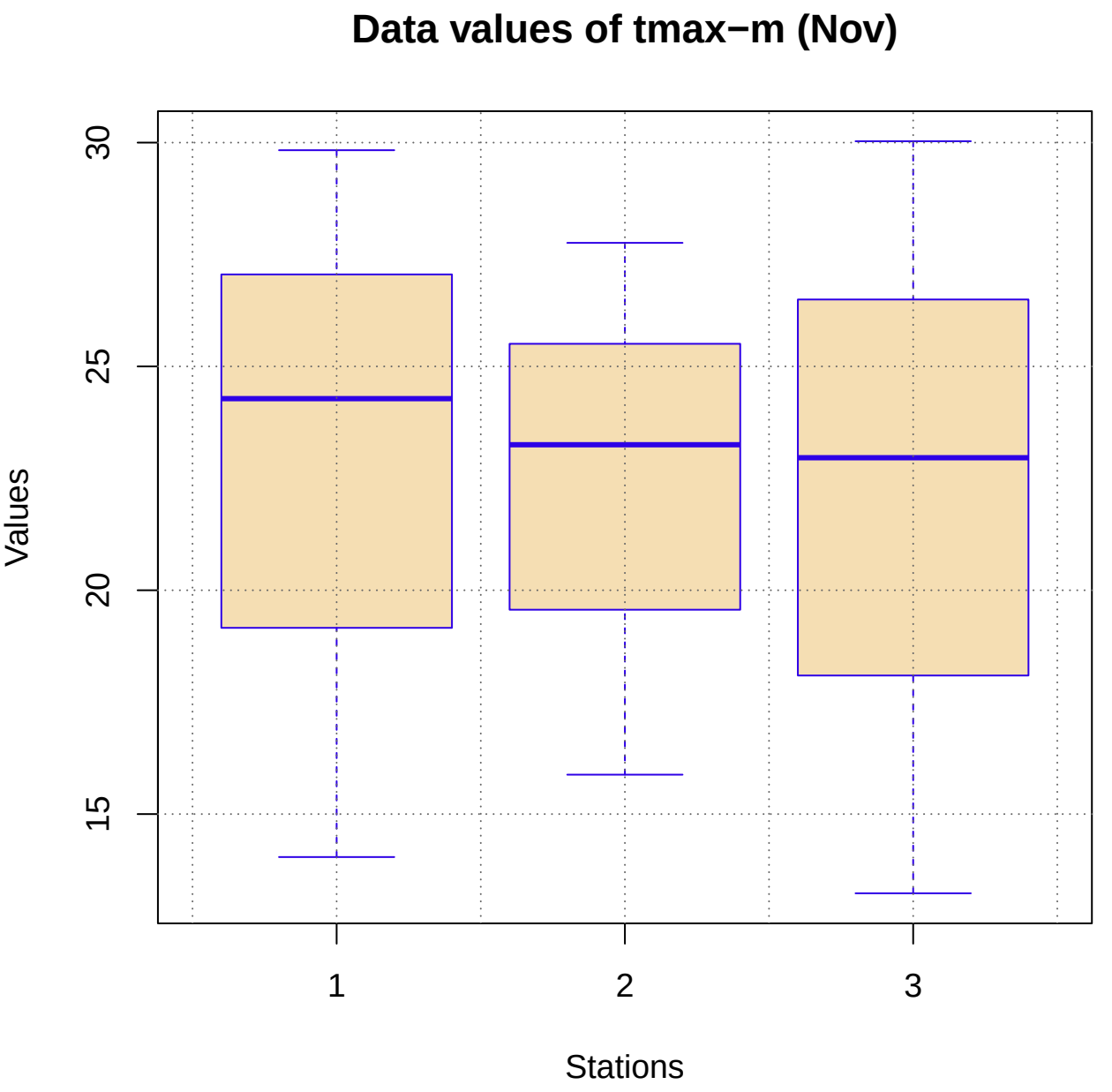

Data values of tmax−m (Jun)
Values
20
25
30
1
2
3
Stations

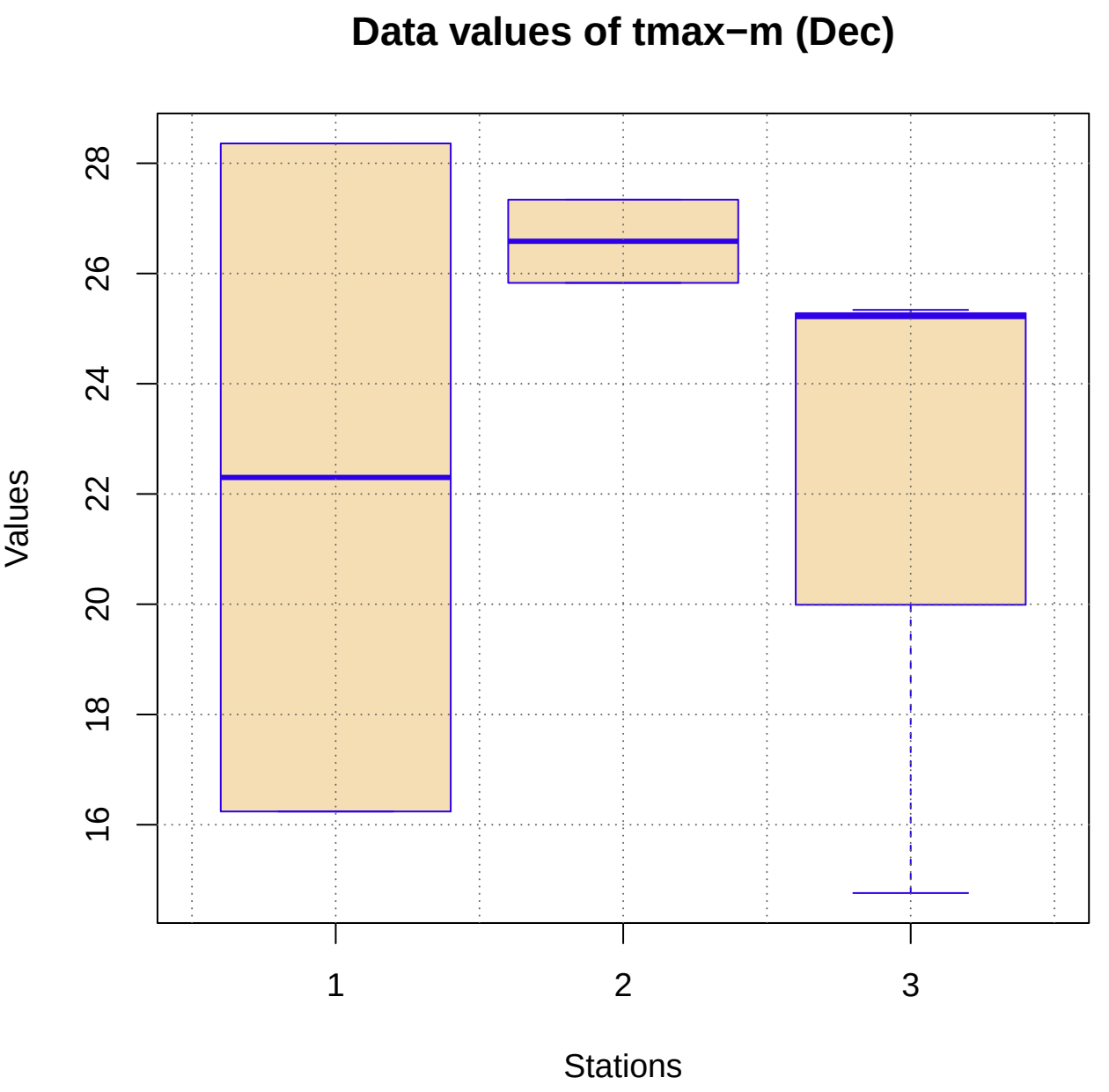

Data values of tmax−m (Jul)
Values
20
25
30
1
2
3
Stations

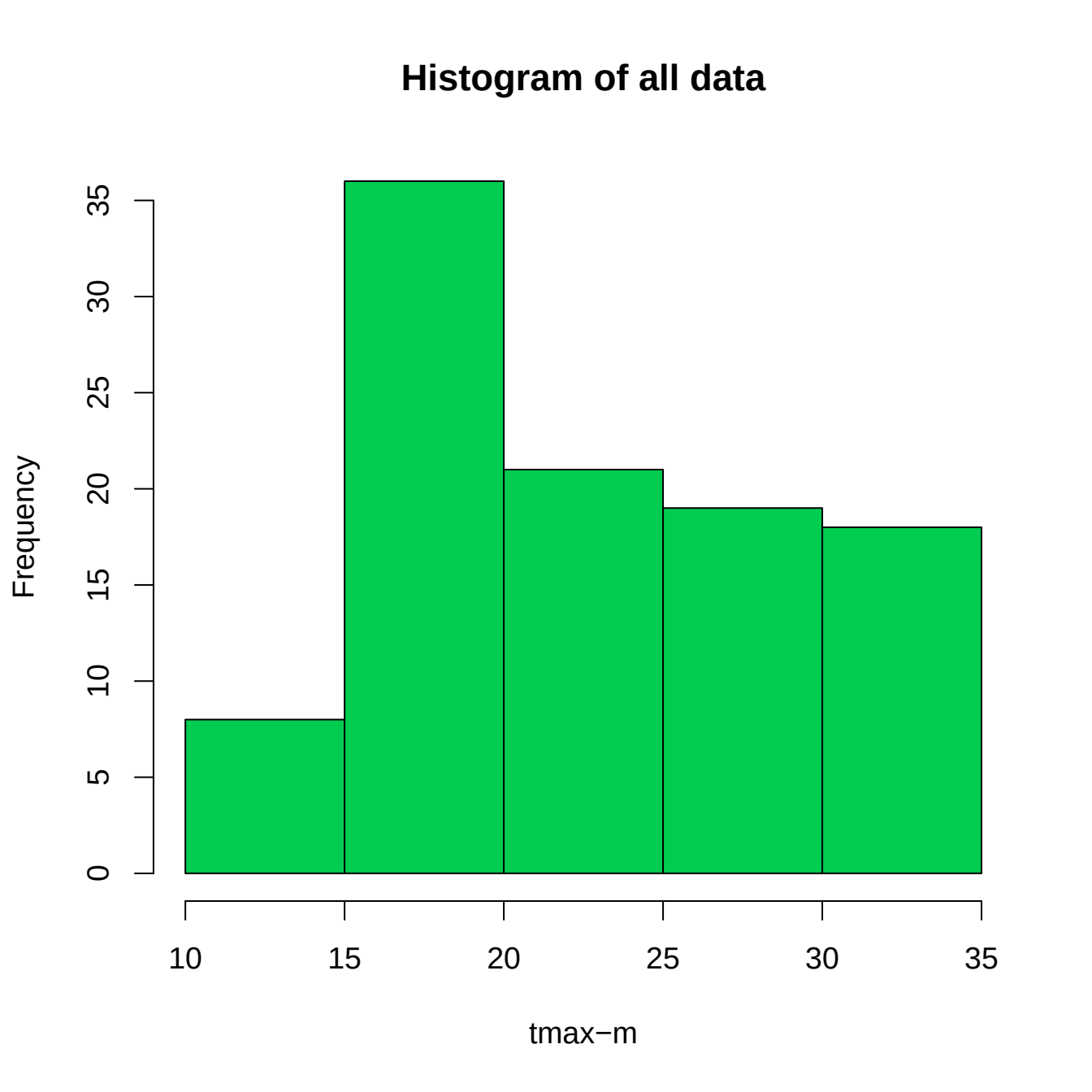

Data values of tmax−m (Aug)
Values
20
25
30
1
2
3
Stations

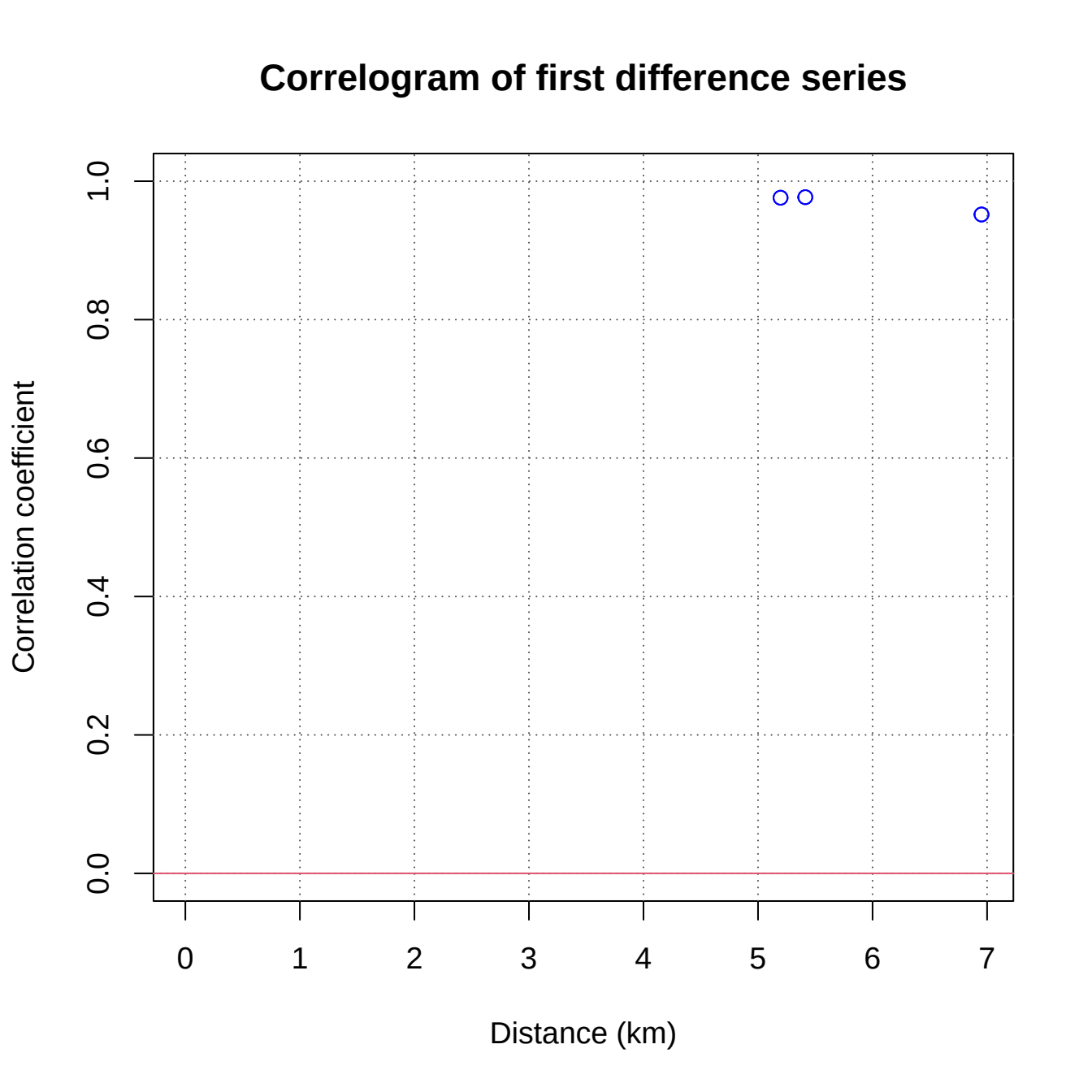

Data values of tmax−m (Sep)
Values
35
30
25
20
15
1
2
3
Stations

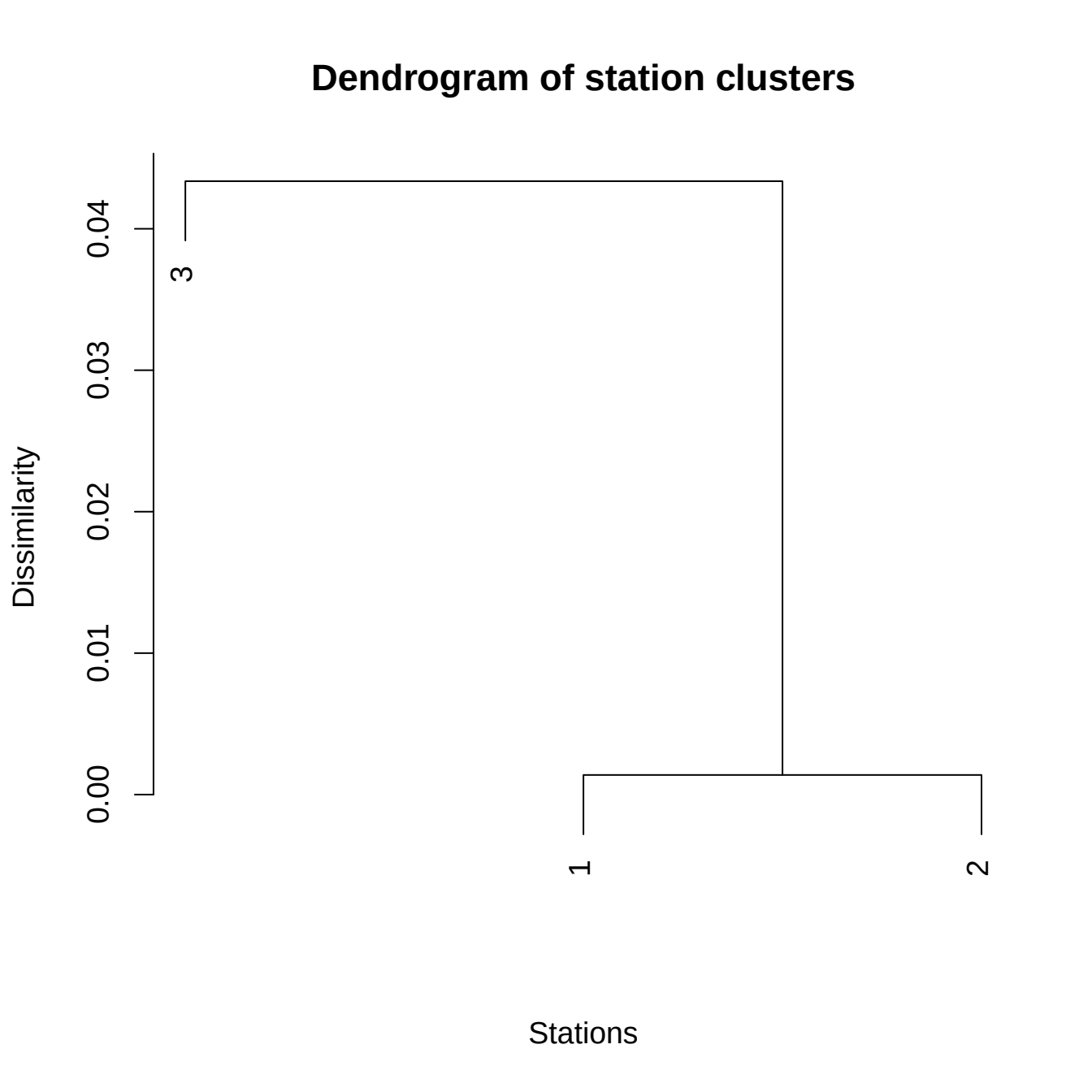

Data values of tmax−m (Oct)
Values
15
20
25
30
1
2
3
Stations

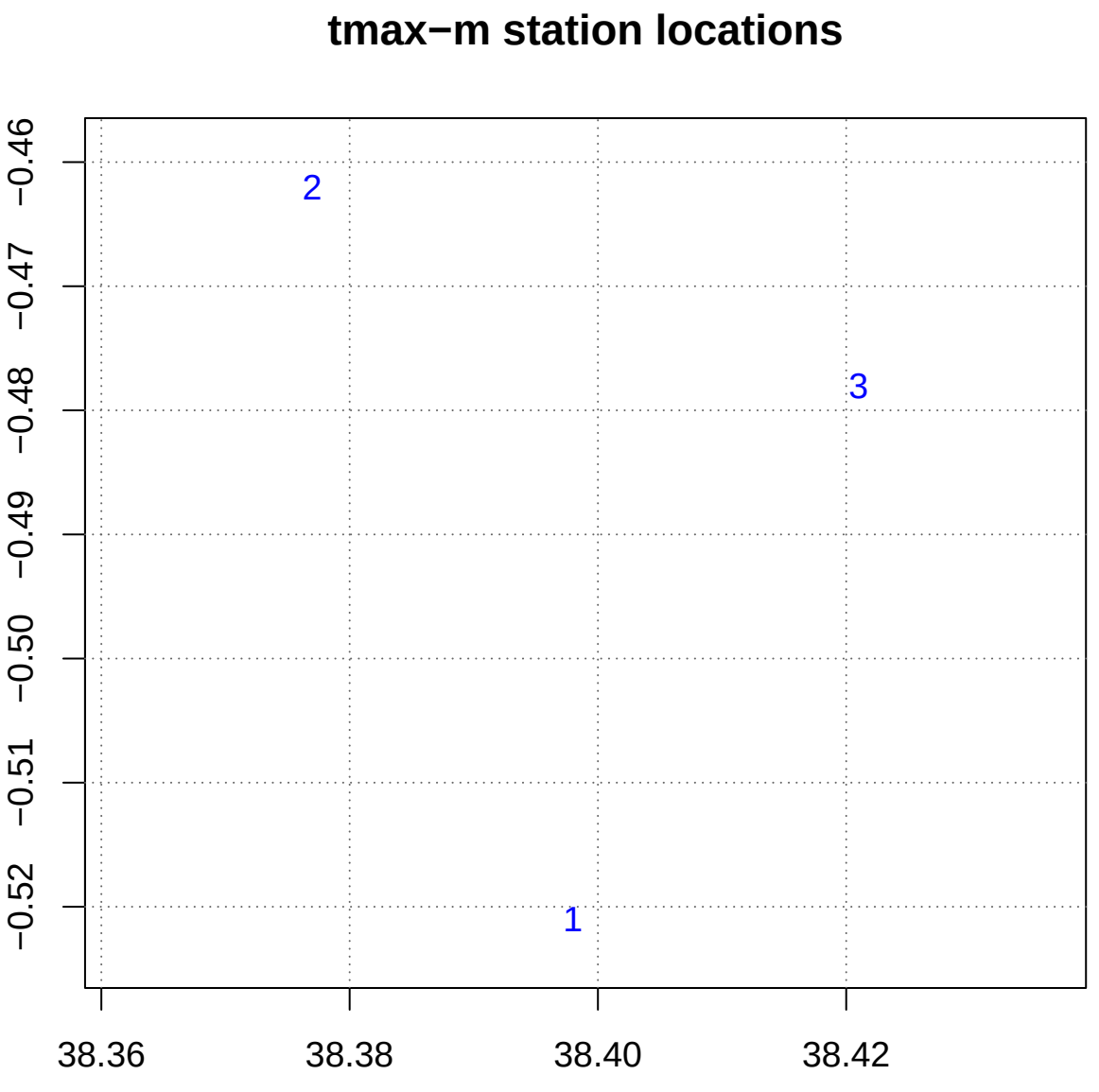

Data values of tmax−m (Nov)
Values
30
25
20
15
1
2
3
Stations


Data values of tmax−m (Dec)
Values
16
18
20
22
24
26
28
1
2
3
Stations


Histogram of all data
Frequency
0
5
10
15
20
25
30
35
10
15
20
25
30
35
tmax−m

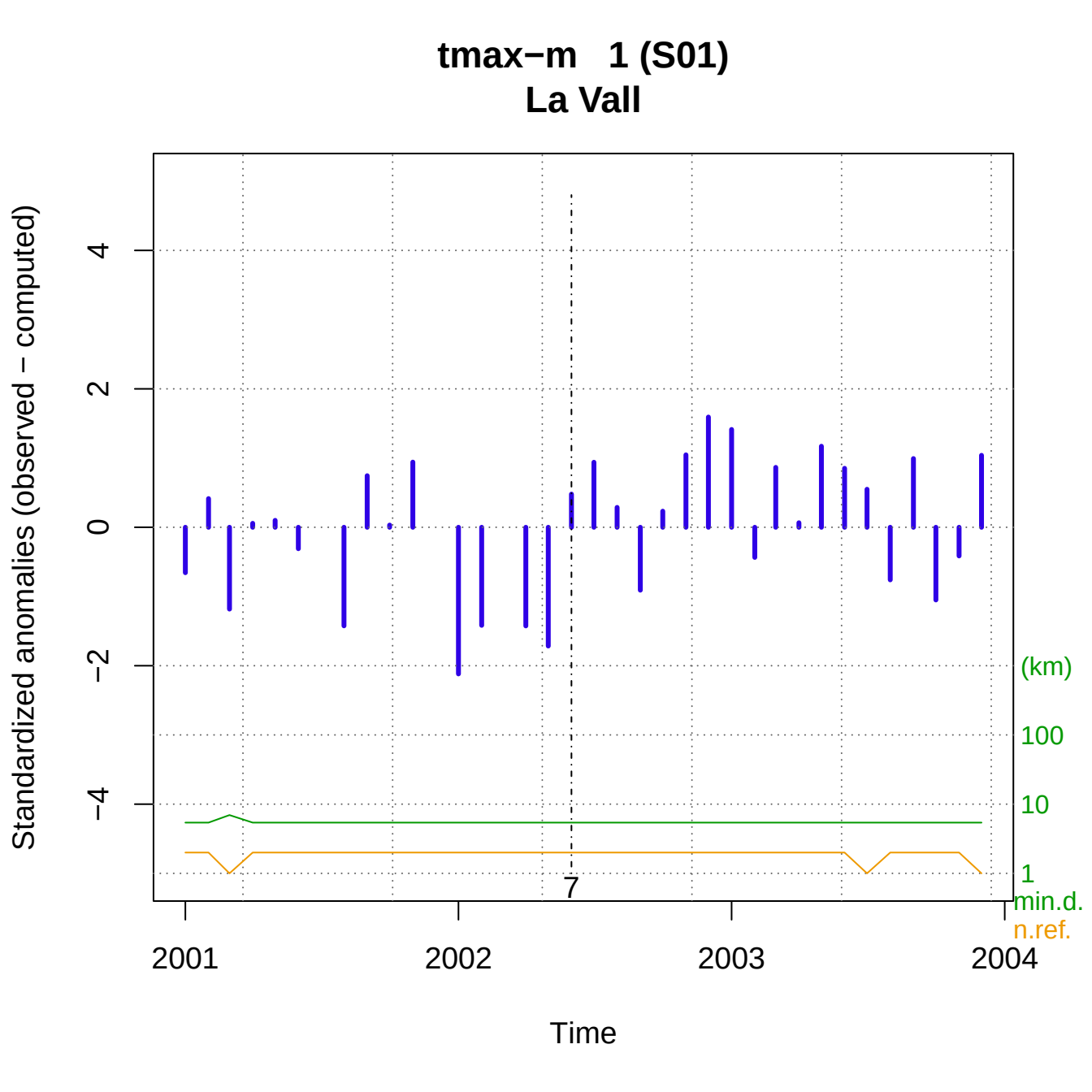

Correlogram of first difference series
Correlation coefficient
0.0
0.2
0.4
0.6
0.8
1.0
0
1
2
3
4
5
6
7
Distance (km)

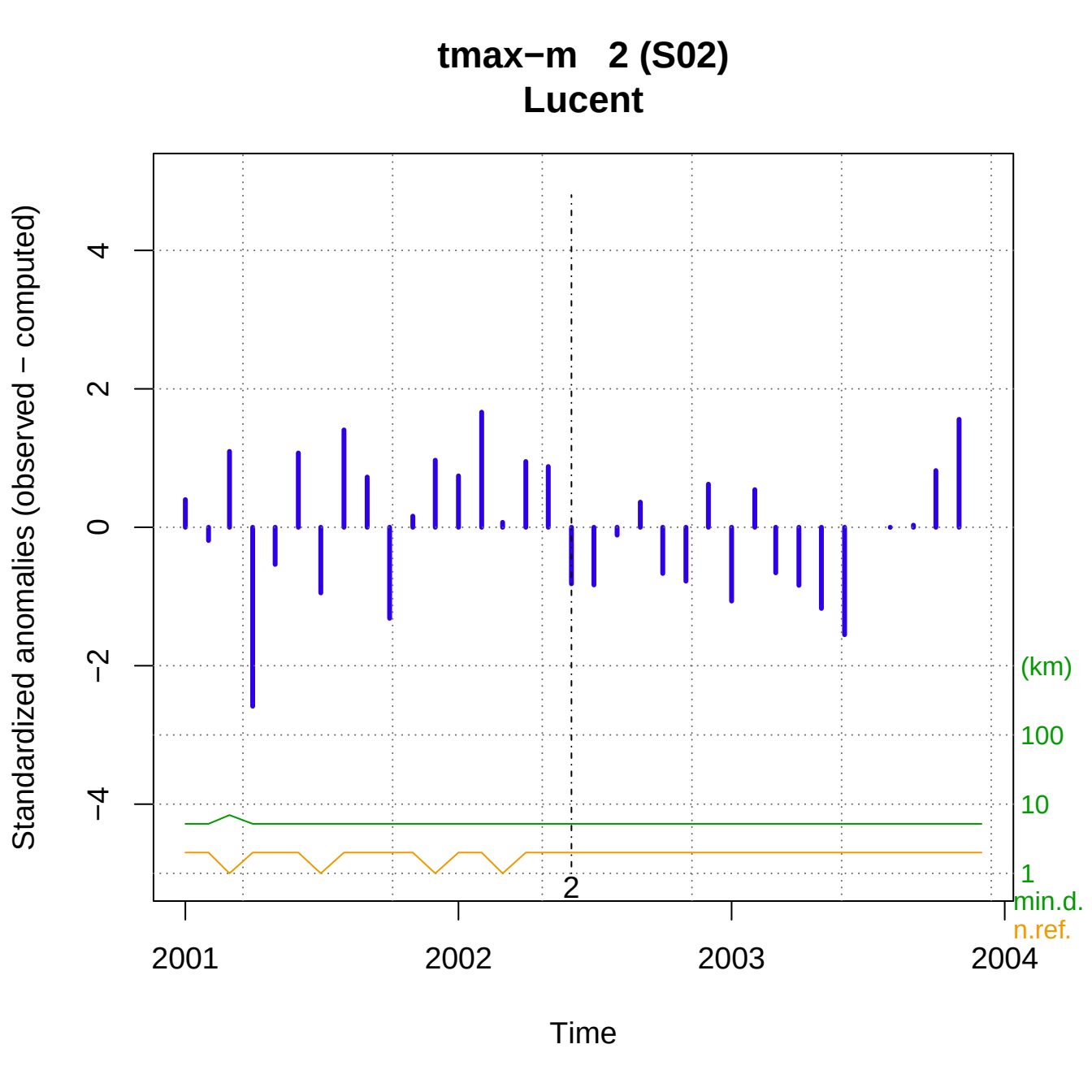

Dendrogram of station clusters
Dissimilarity
0.00
0.01
0.02
0.03
0.04
3
1
2
Stations

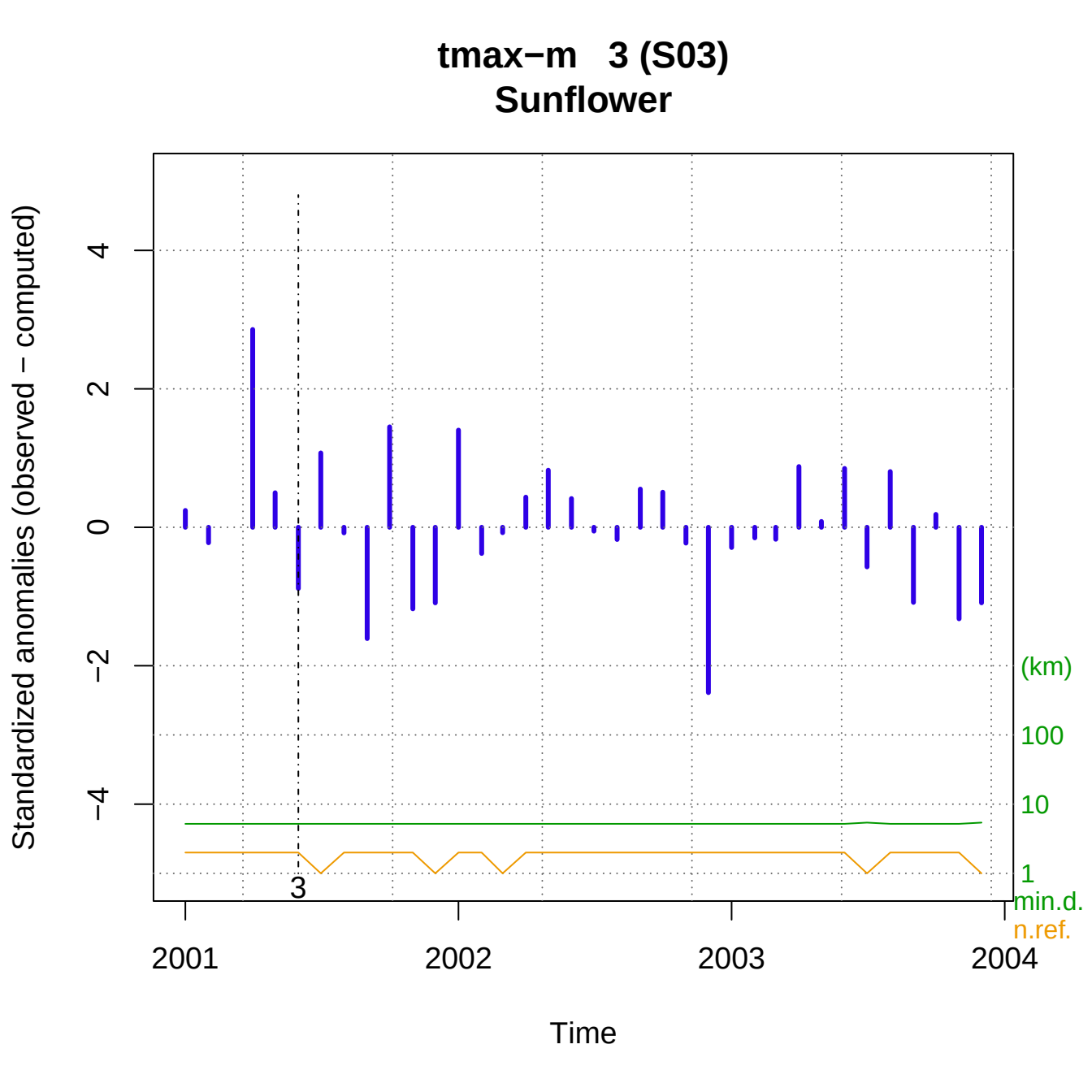

tmax−m station locations
−0.46
−0.47
−0.48
−0.49
−0.50
−0.51
−0.52
38.36
38.38
38.40
38.42
1
2
3

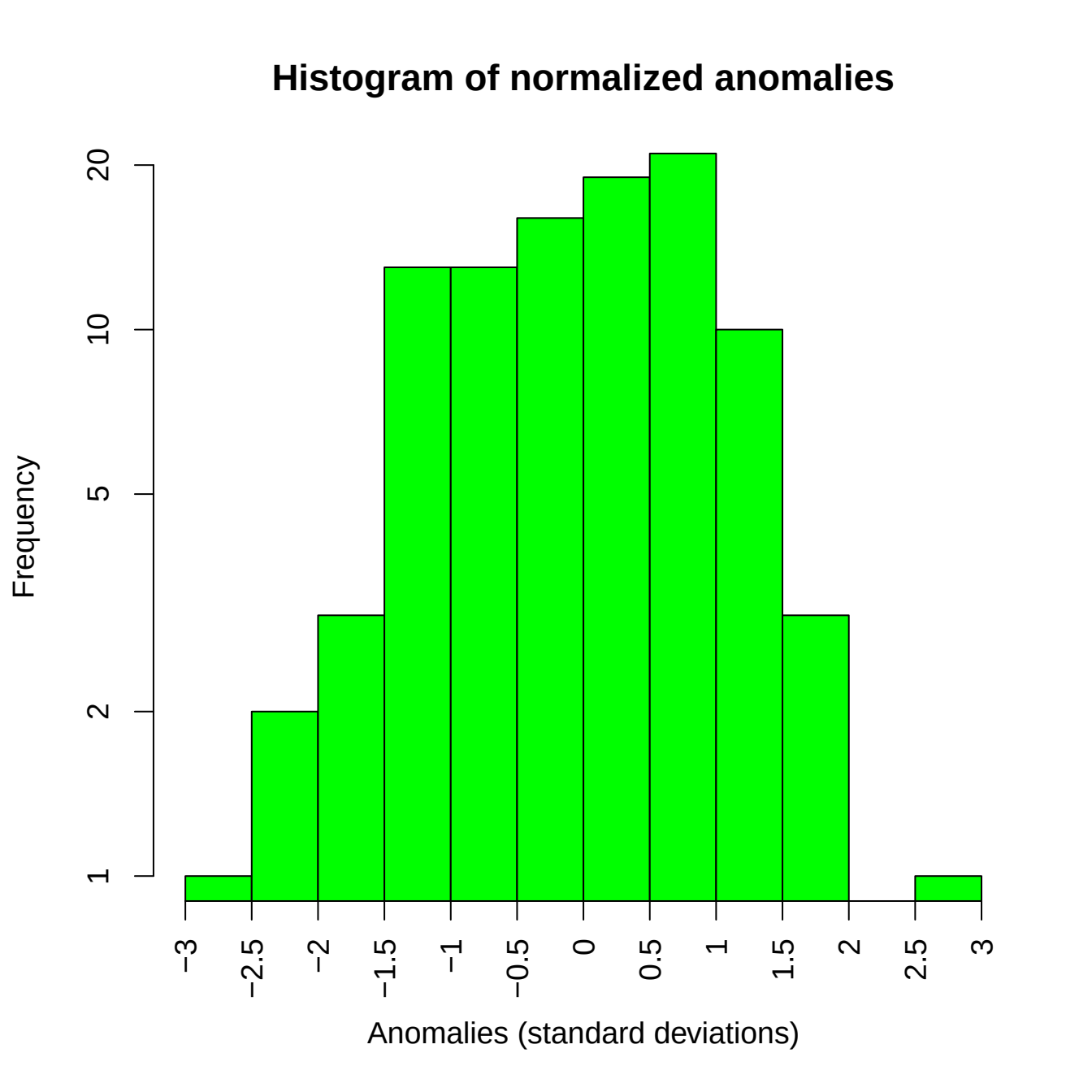
Stage 3

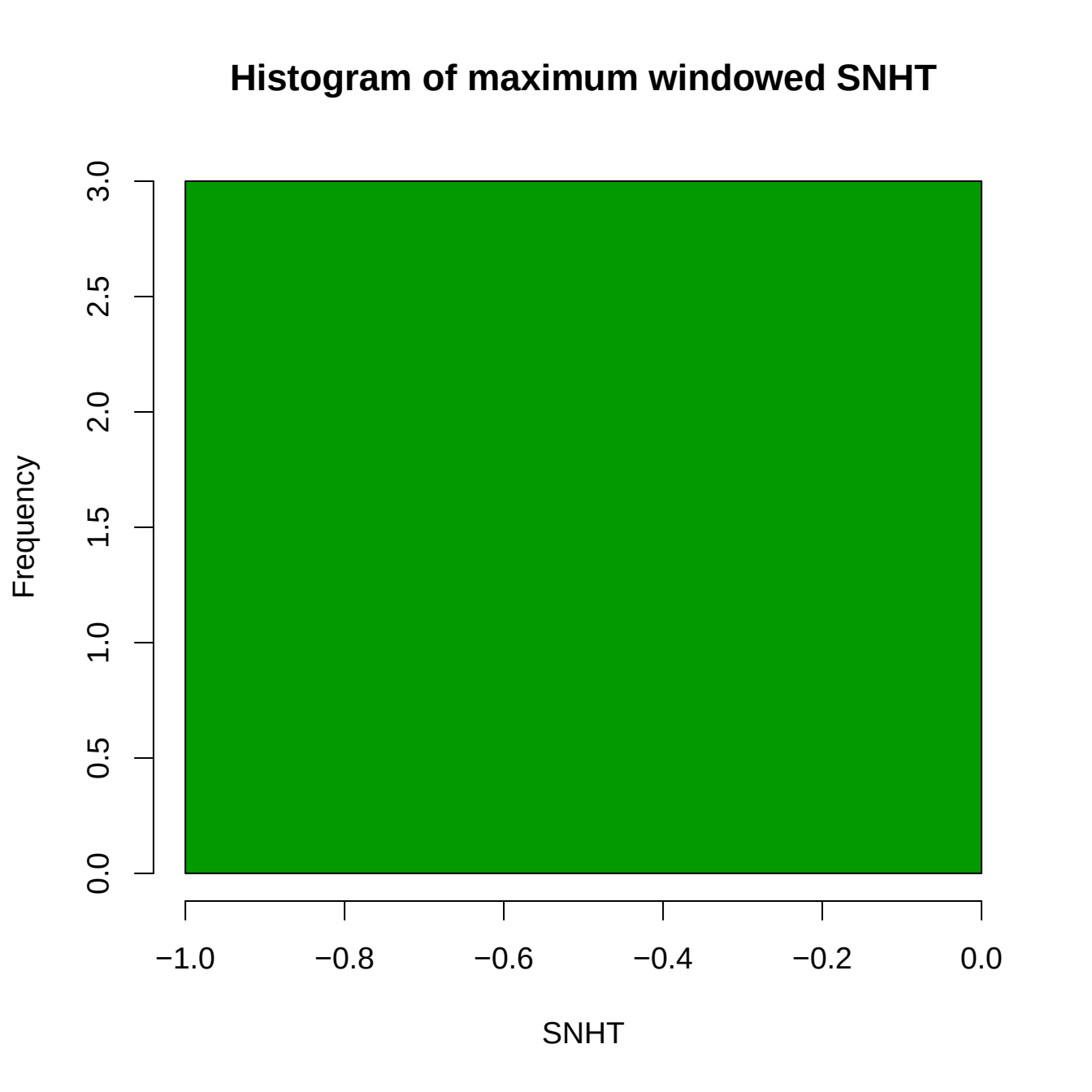
Anomalies after
missing data
recalculation
with wd = 100 km
(swa = 60)

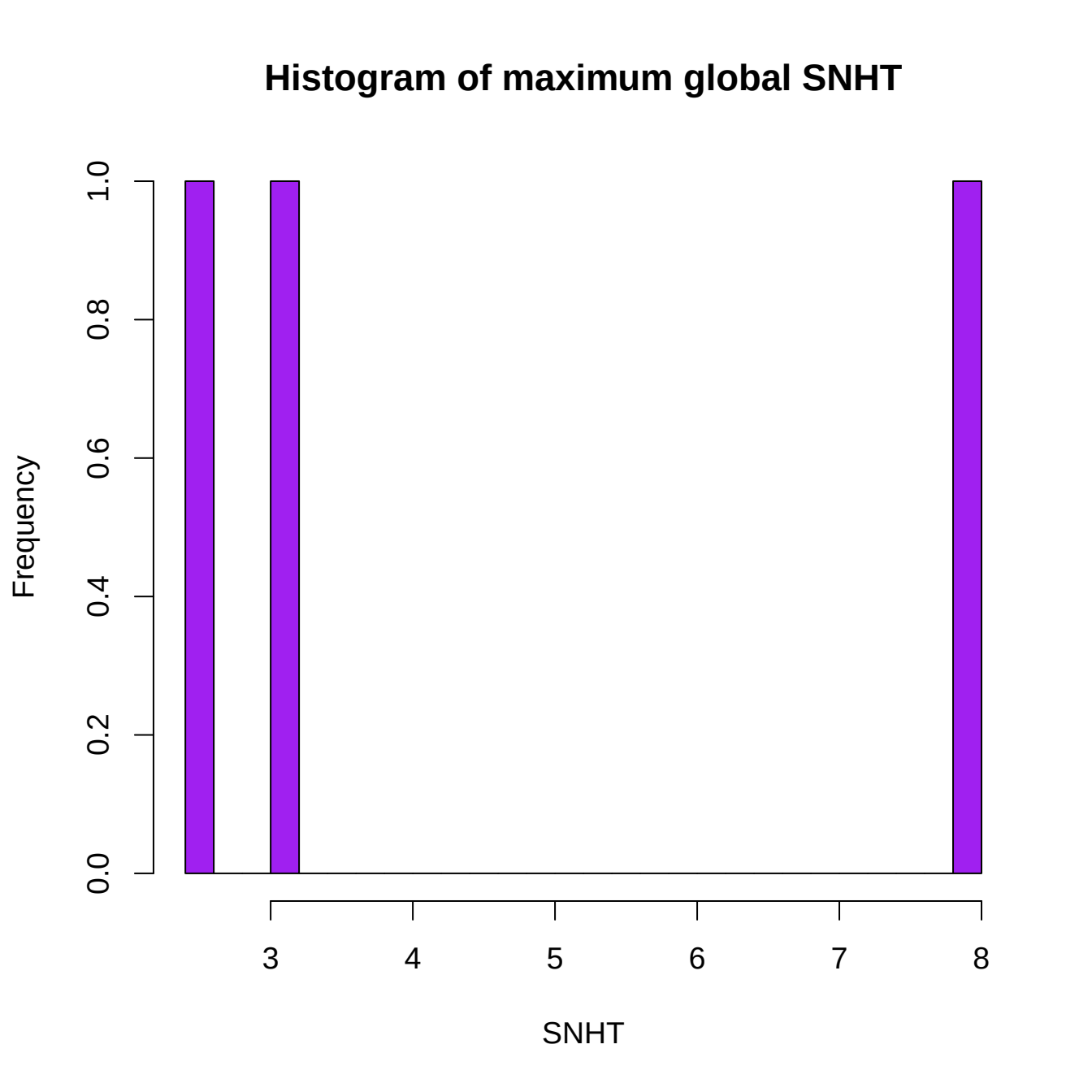

tmax−m 1 (S01)
La Vall
Standardized anomalies (observed − computed)
4
2
0
−2
−4
7
2001
2002
2003
2004
Time
(km)
100
10
1
min.d.
n.ref.

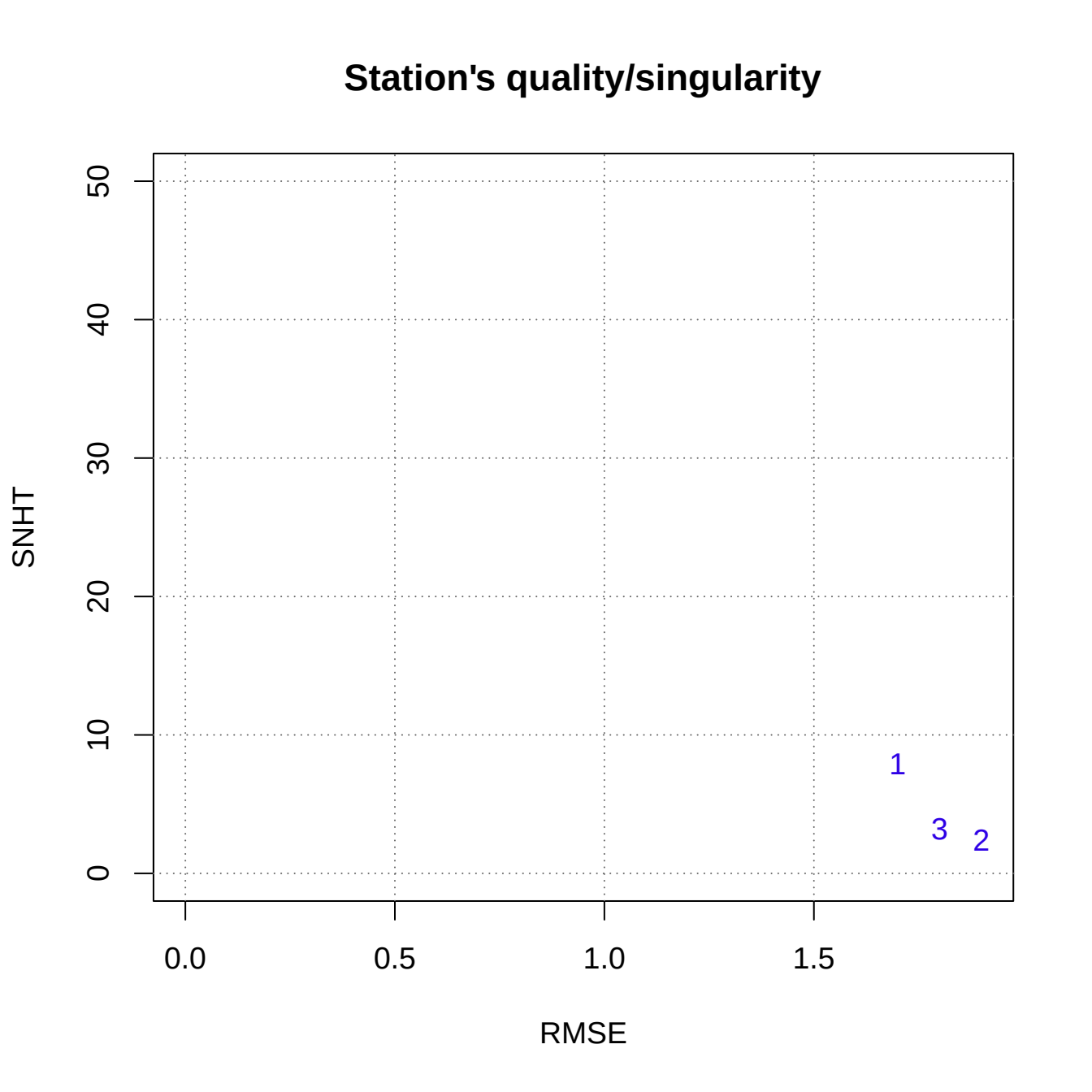

tmax−m 2 (S02)
Lucent
Standardized anomalies (observed − computed)
4
2
0
−2
−4
2
2001
2002
2003
2004
Time
(km)
100
10
1
min.d.
n.ref.


tmax−m 3 (S03)
Sunflower
Standardized anomalies (observed − computed)
4
2
0
−2
−4
3
2001
2002
2003
2004
Time
(km)
100
10
1
min.d.
n.ref.


Histogram of normalized anomalies
Frequency
1
2
5
10
20
−3
−2.5
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2
2.5
3
Anomalies (standard deviations)


Histogram of maximum windowed SNHT
Frequency
0.0
0.5
1.0
1.5
2.0
2.5
3.0
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
SNHT


Histogram of maximum global SNHT
Frequency
0.0
0.2
0.4
0.6
0.8
1.0
3
4
5
6
7
8
SNHT


Station's quality/singularity
SNHT
RMSE
0
10
20
30
40
50
0.0
0.5
1.0
1.5
1
3
2