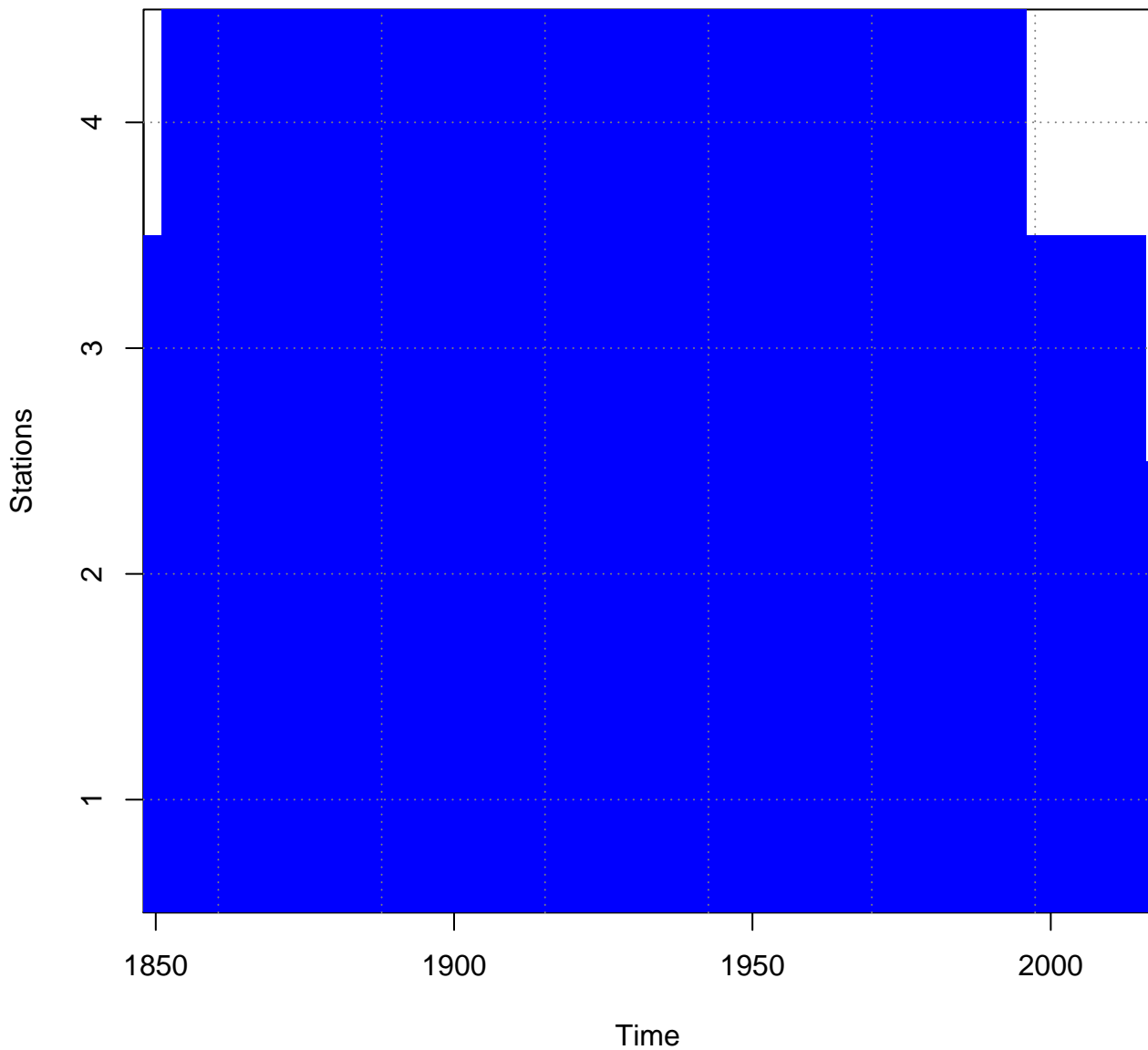


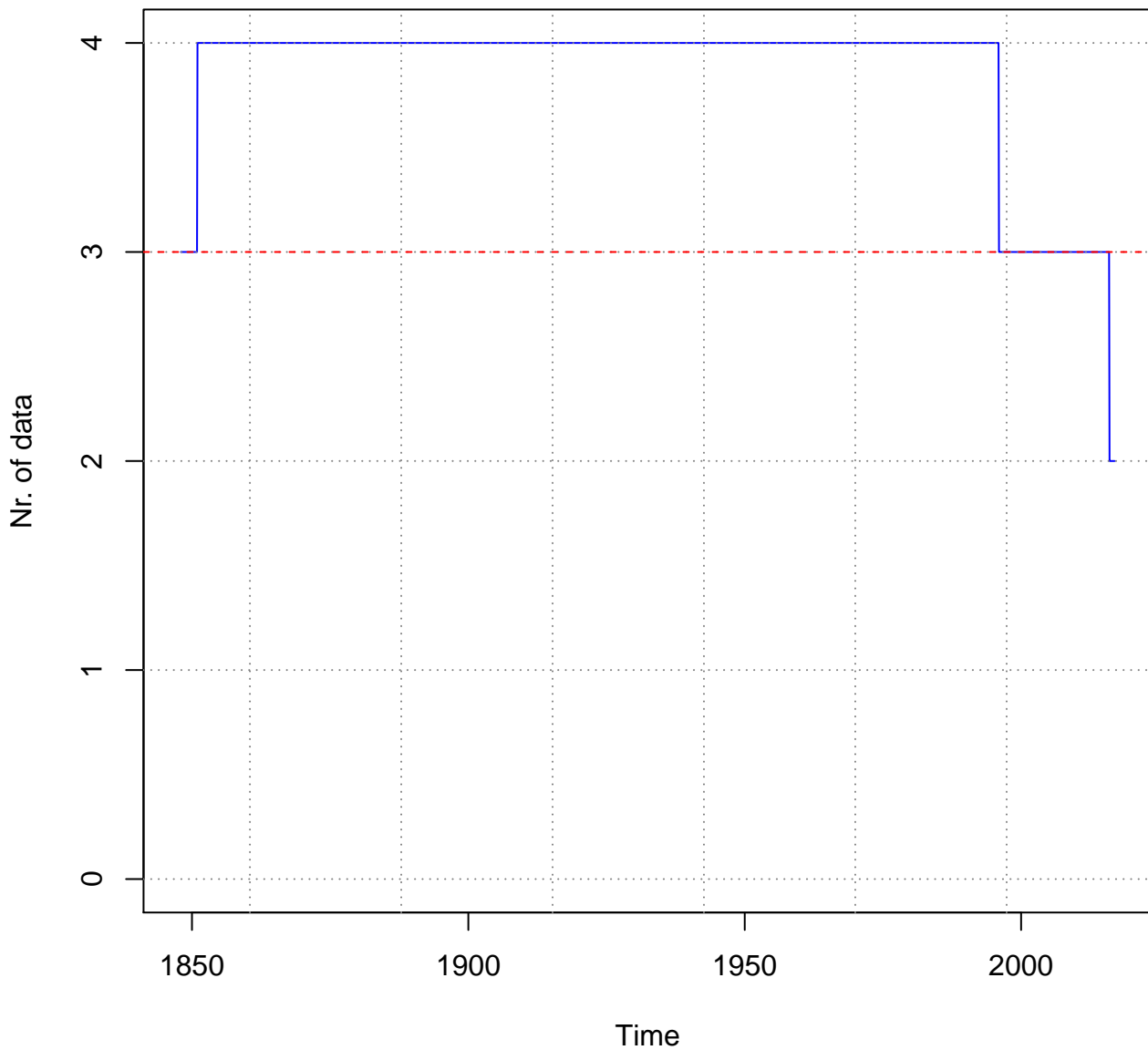
# CLIMATOL 3.0

Homogenization  
graphic output of  
Ttest3  
1848–2016

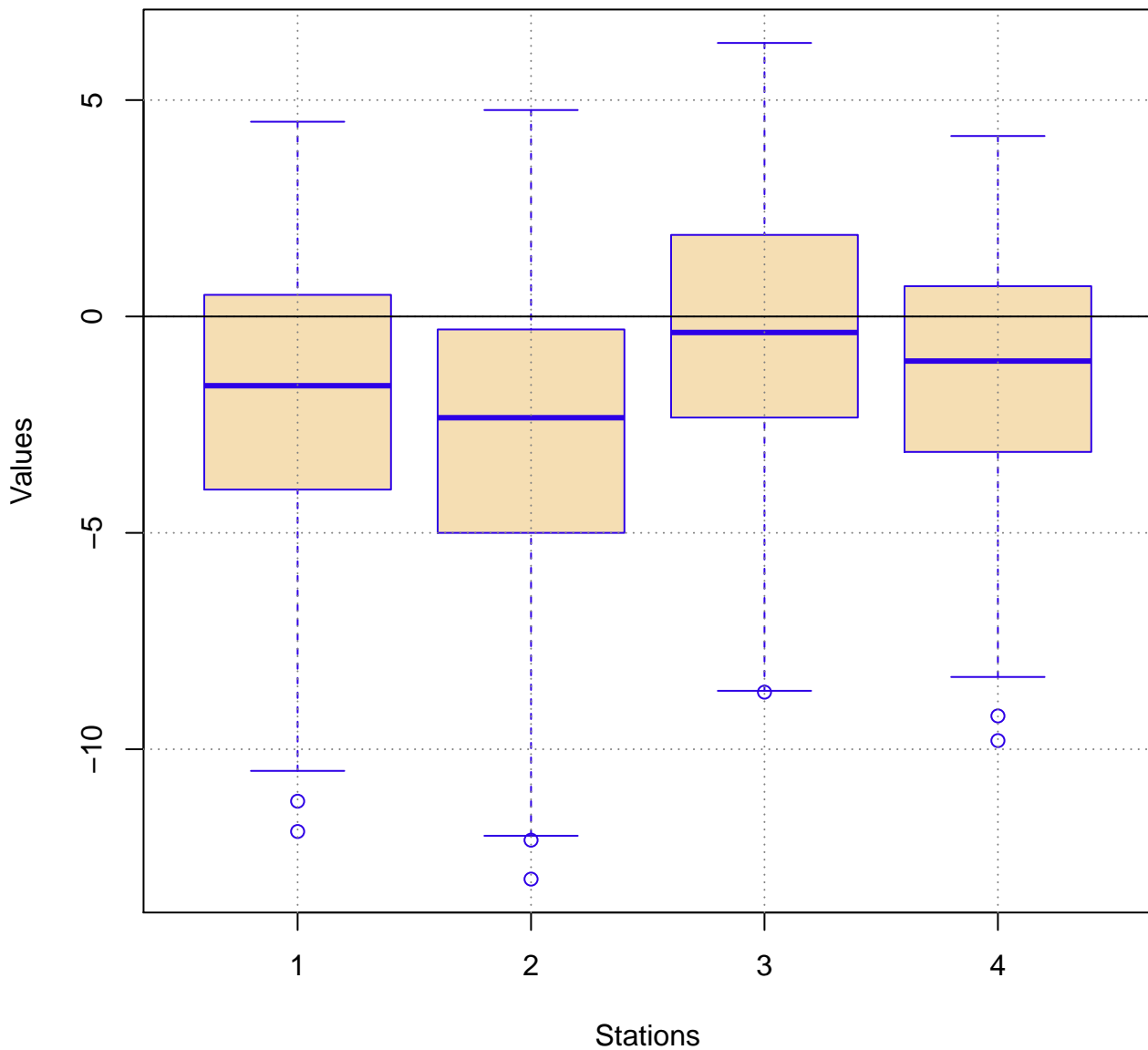
# Ttest3 data availability



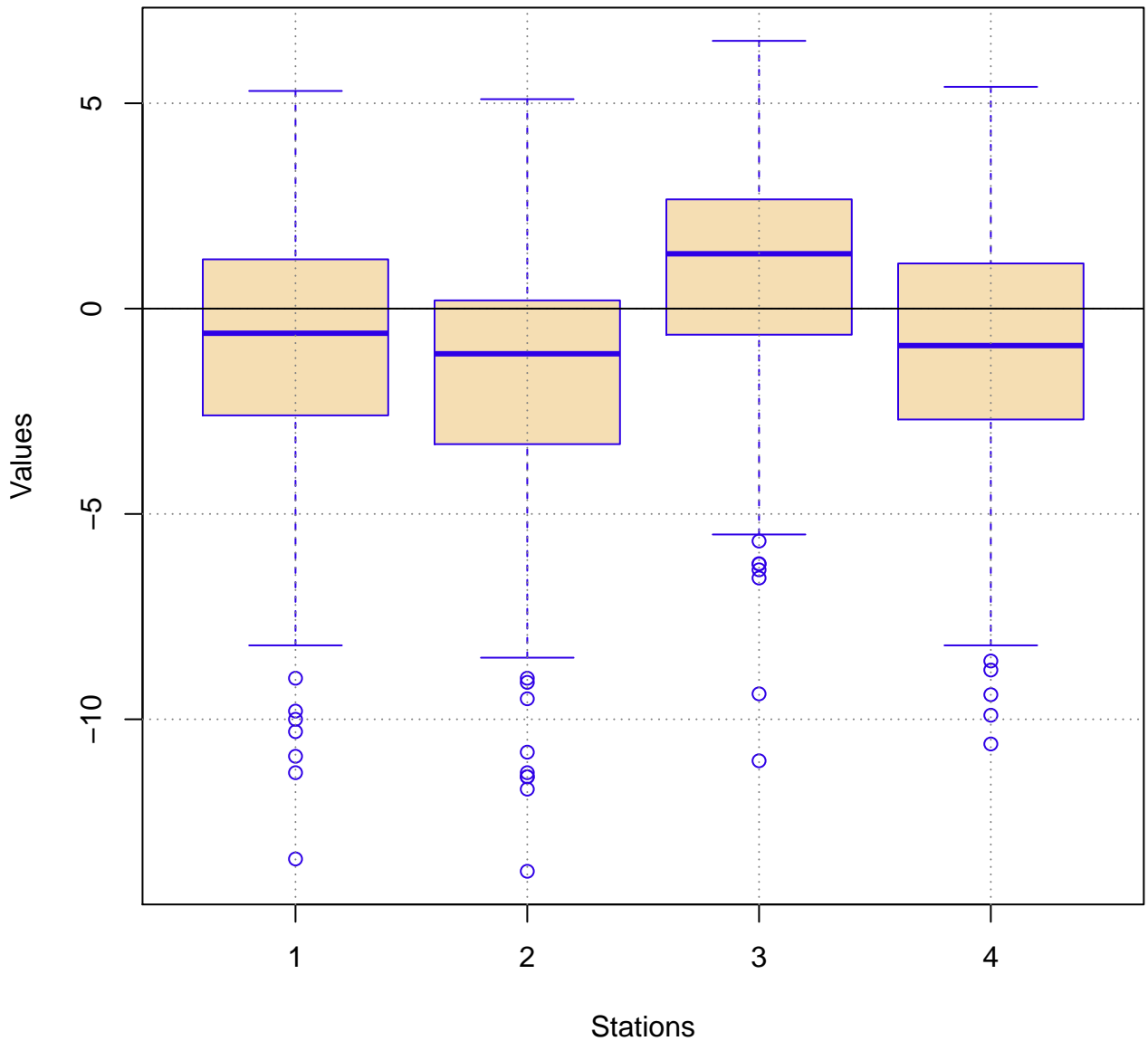
**Nr. of Ttest3 data in all stations**



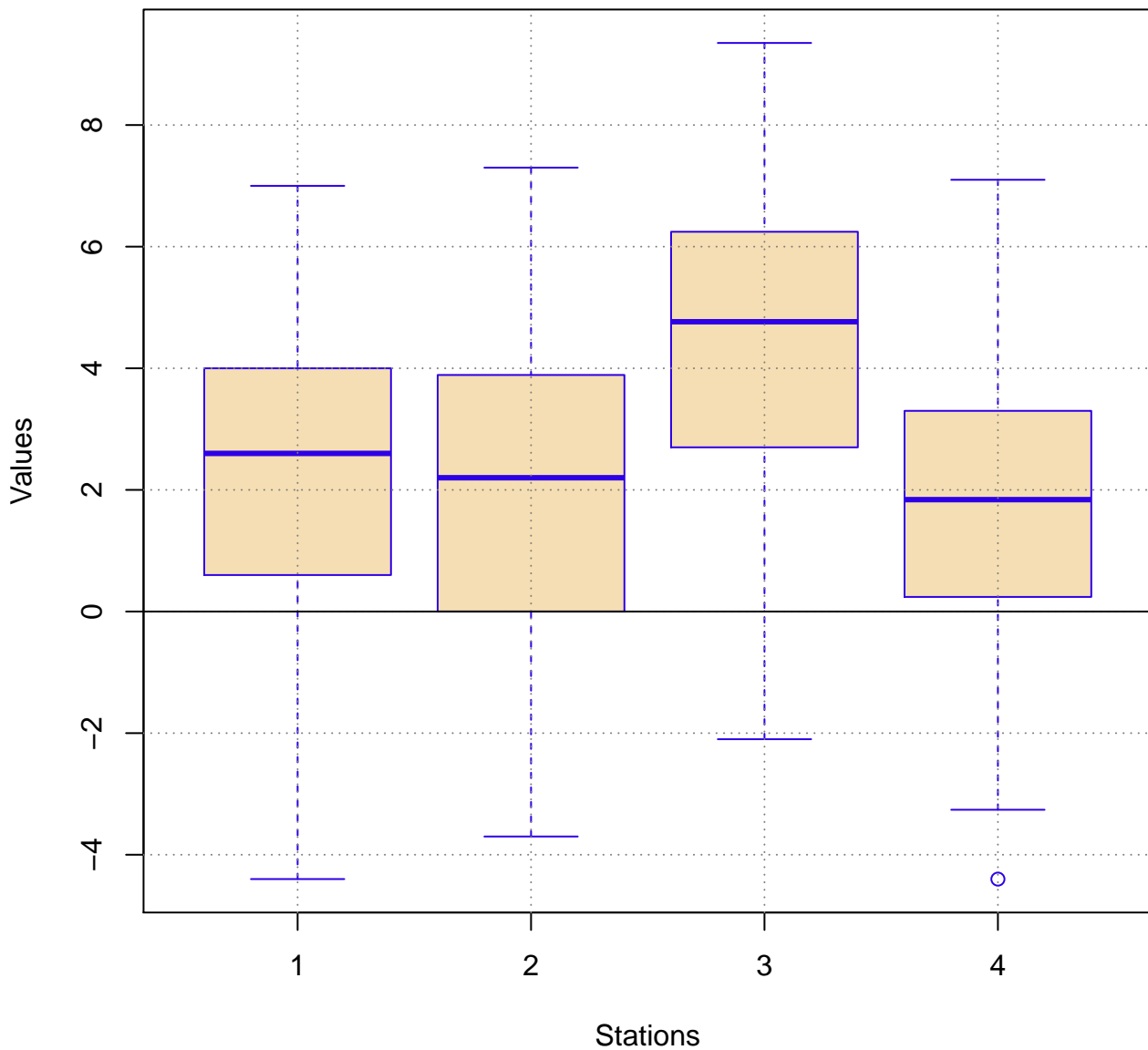
**Data values of Ttest3 (Jan)**



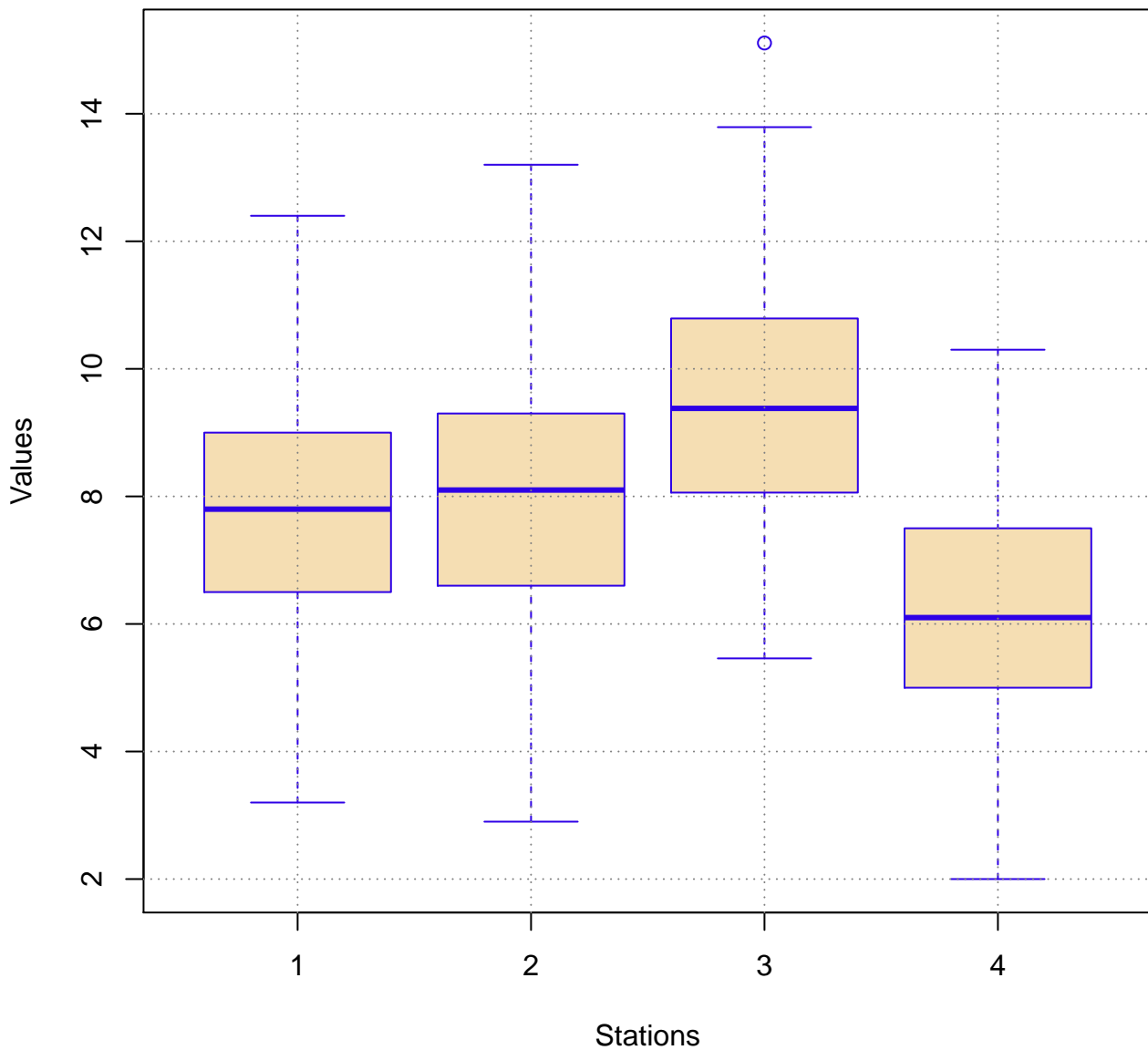
**Data values of Ttest3 (Feb)**



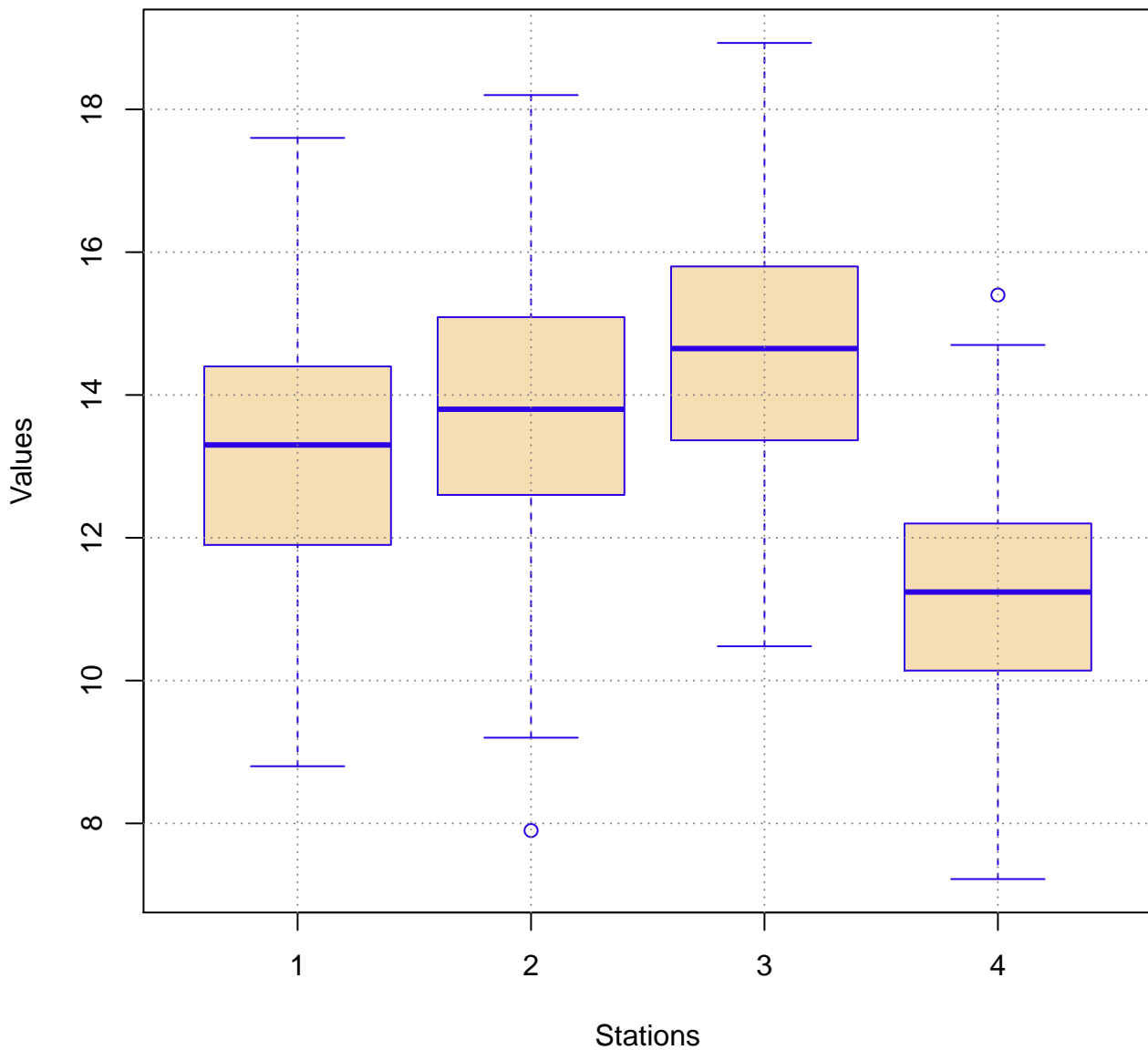
**Data values of Ttest3 (Mar)**



**Data values of Ttest3 (Apr)**

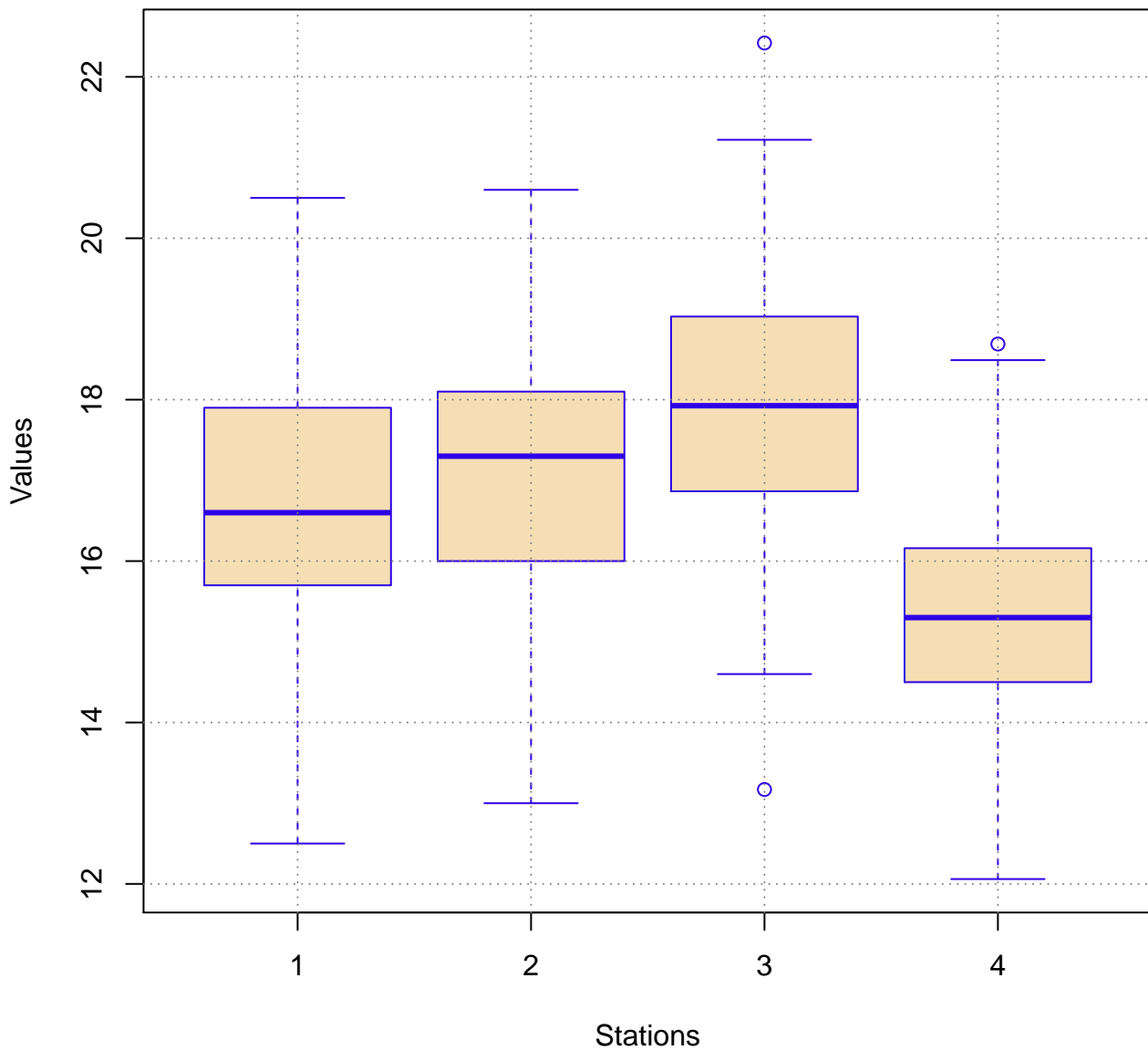


**Data values of Ttest3 (May)**

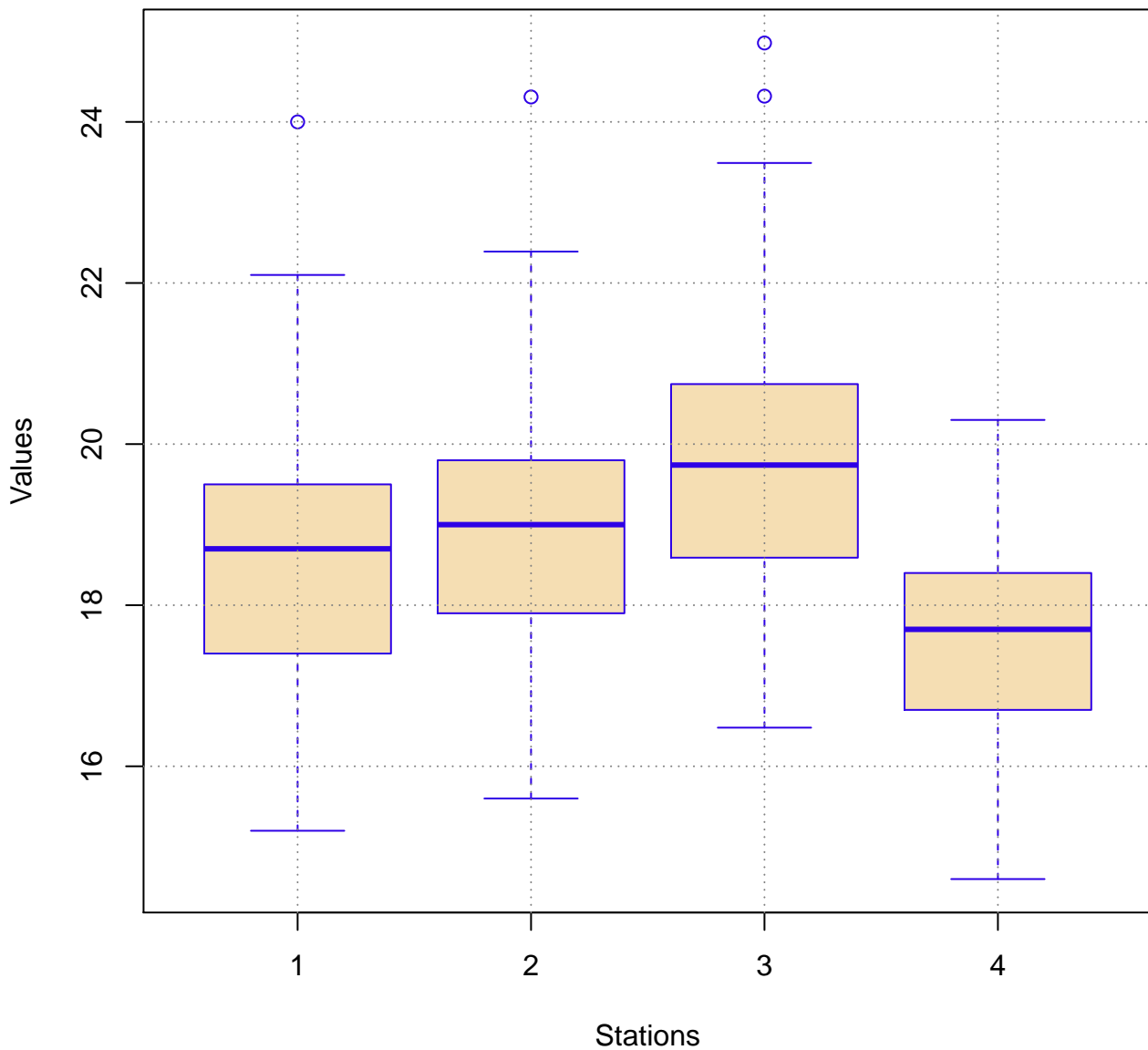




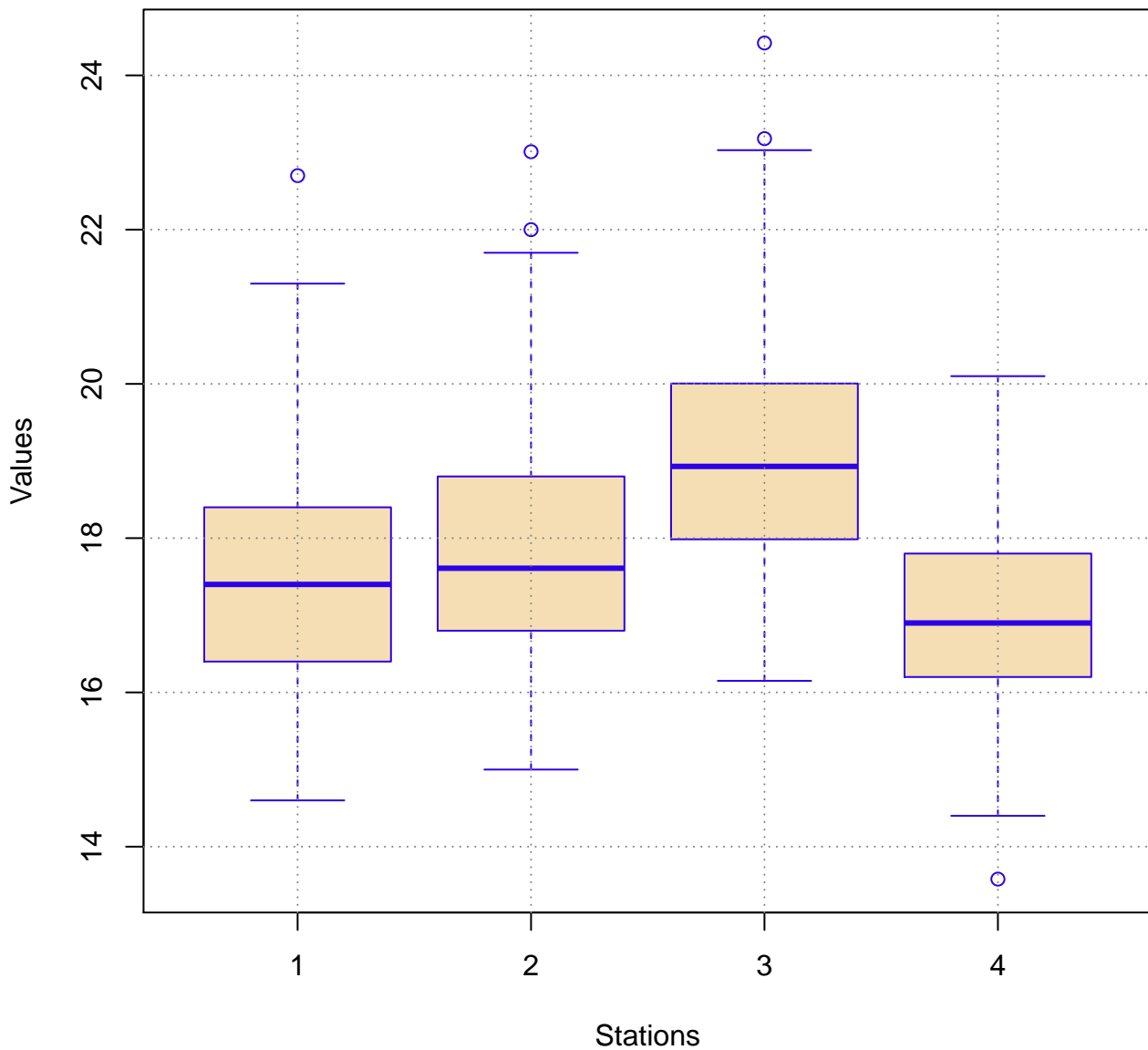
**Data values of Ttest3 (Jun)**



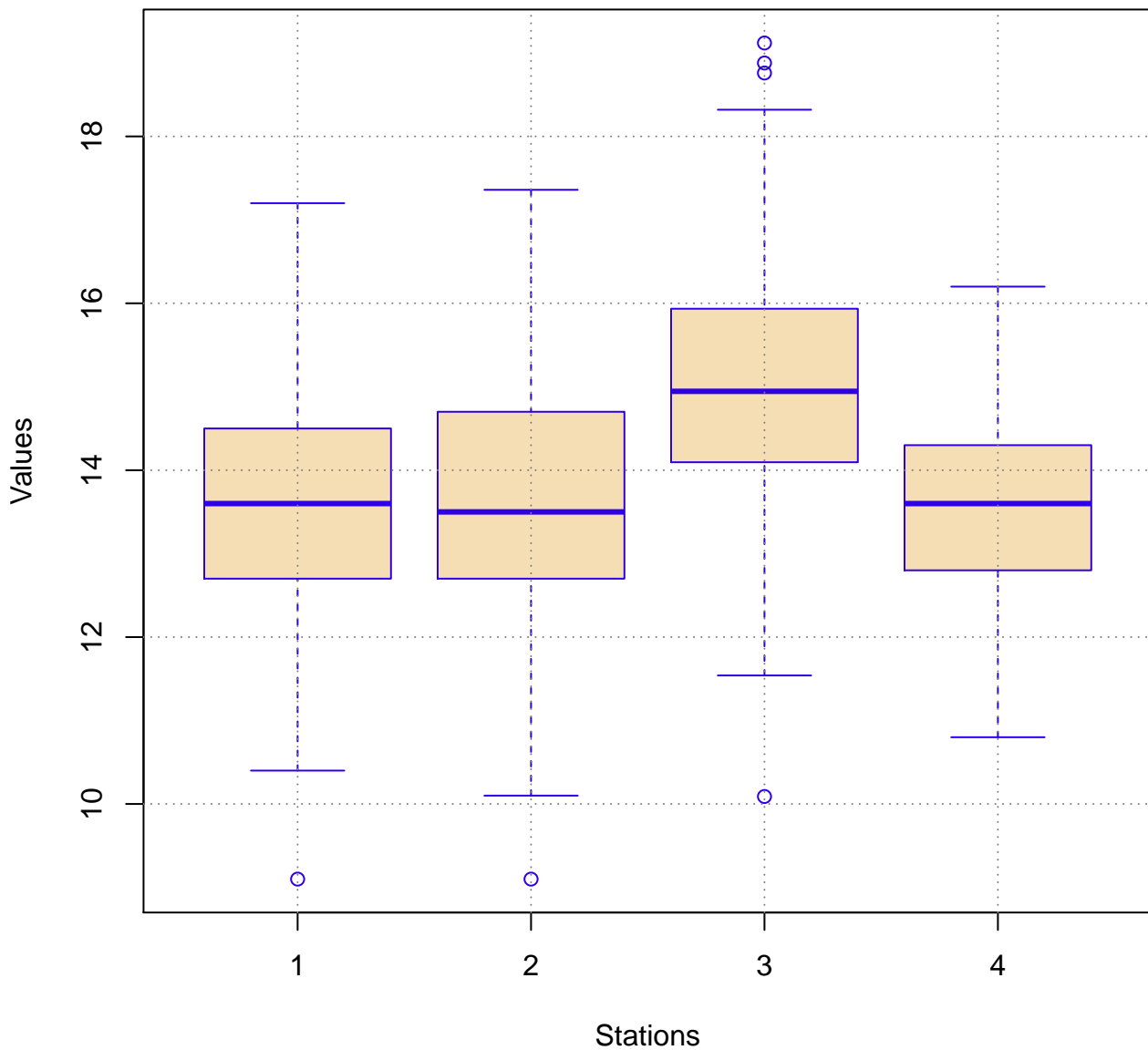
**Data values of Ttest3 (Jul)**



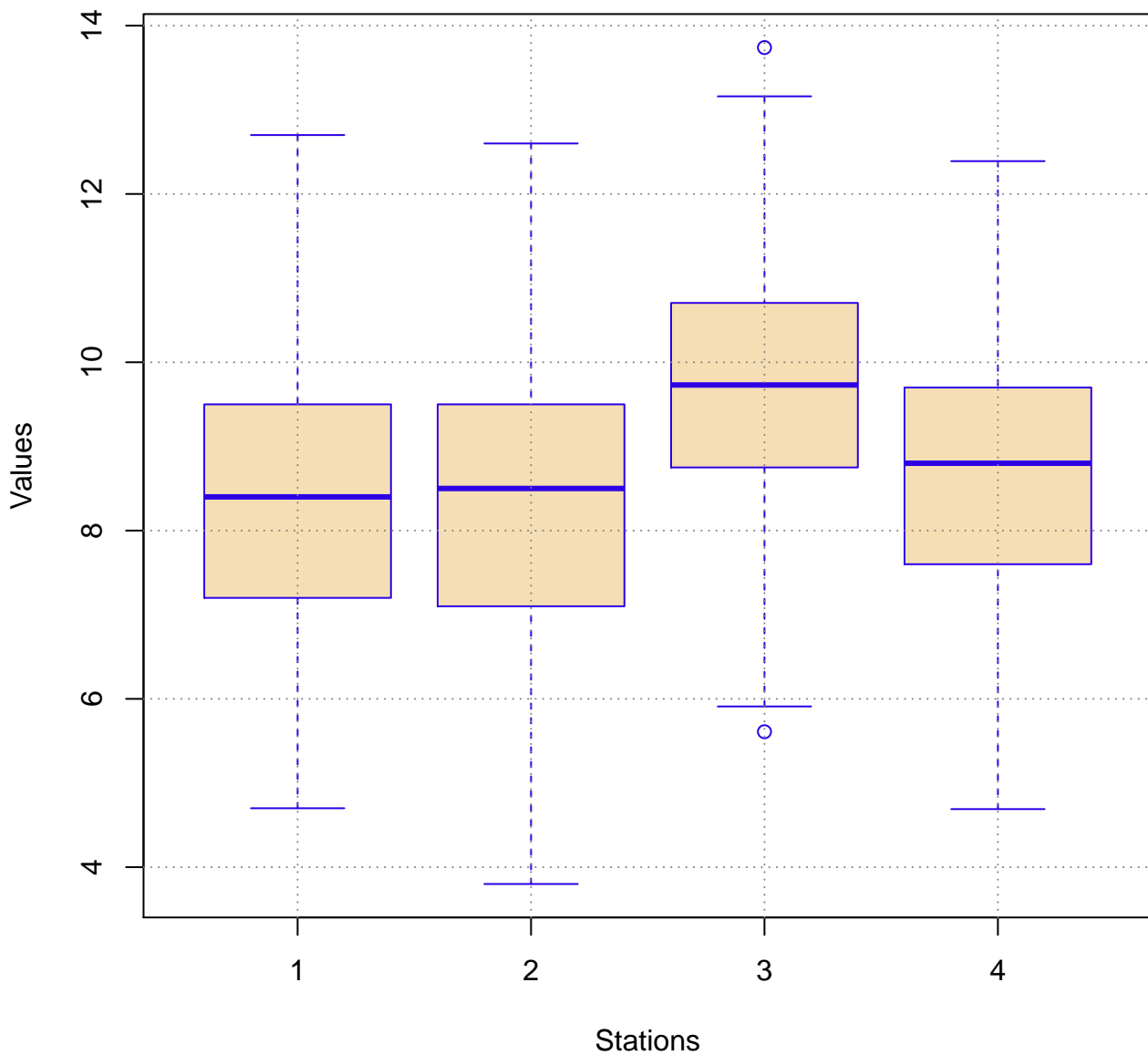
**Data values of Ttest3 (Aug)**



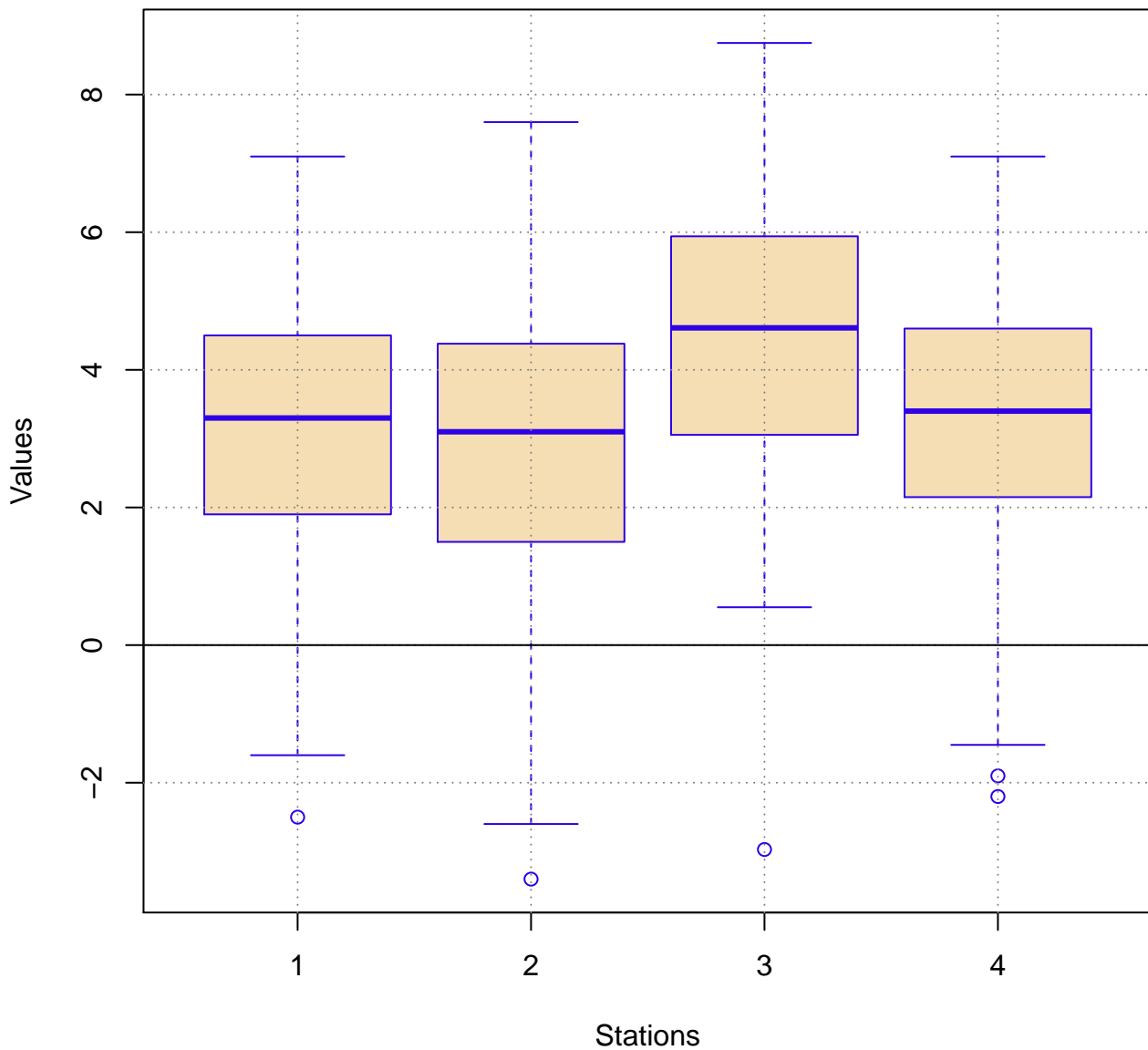
**Data values of Ttest3 (Sep)**



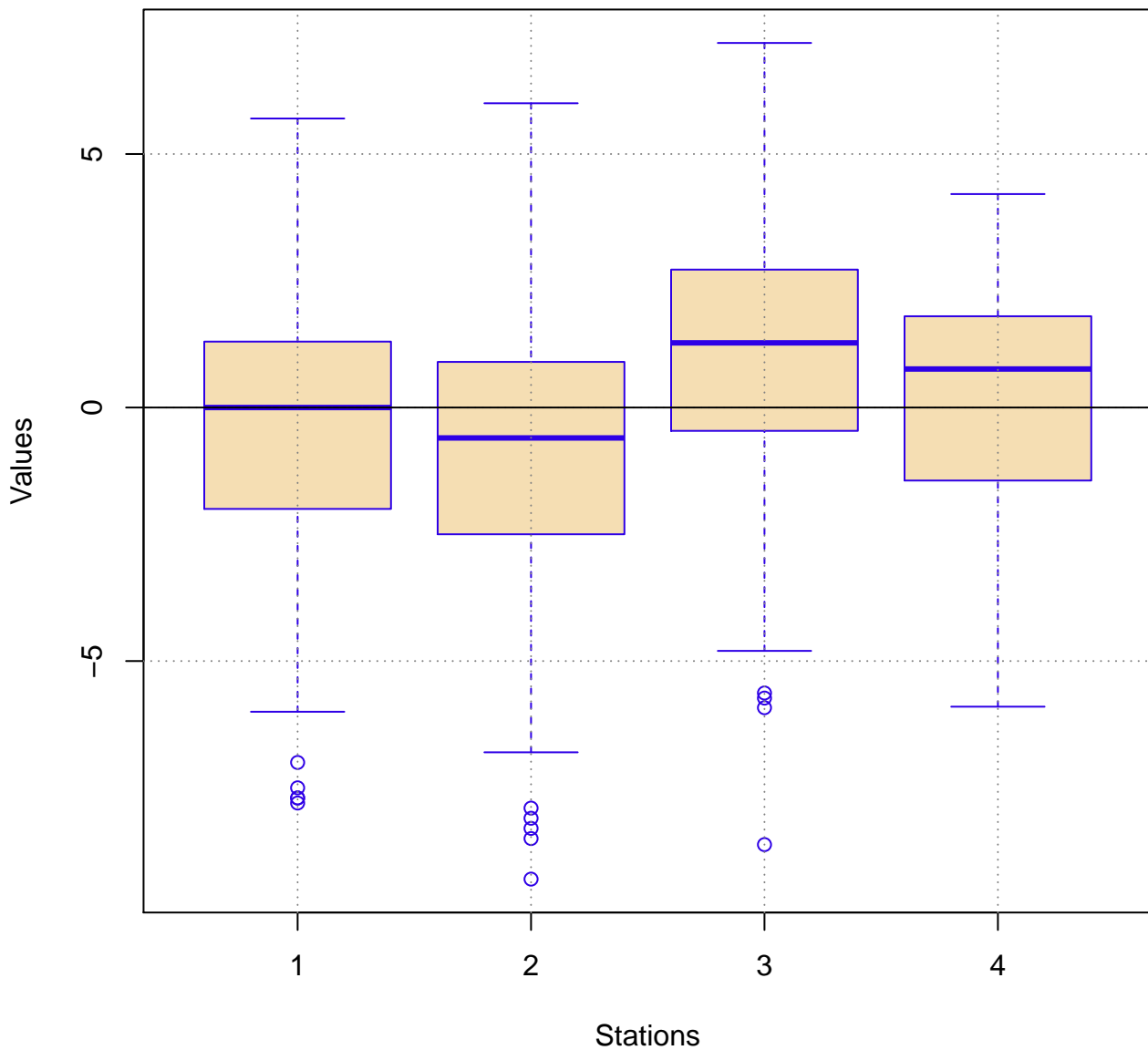
**Data values of Ttest3 (Oct)**



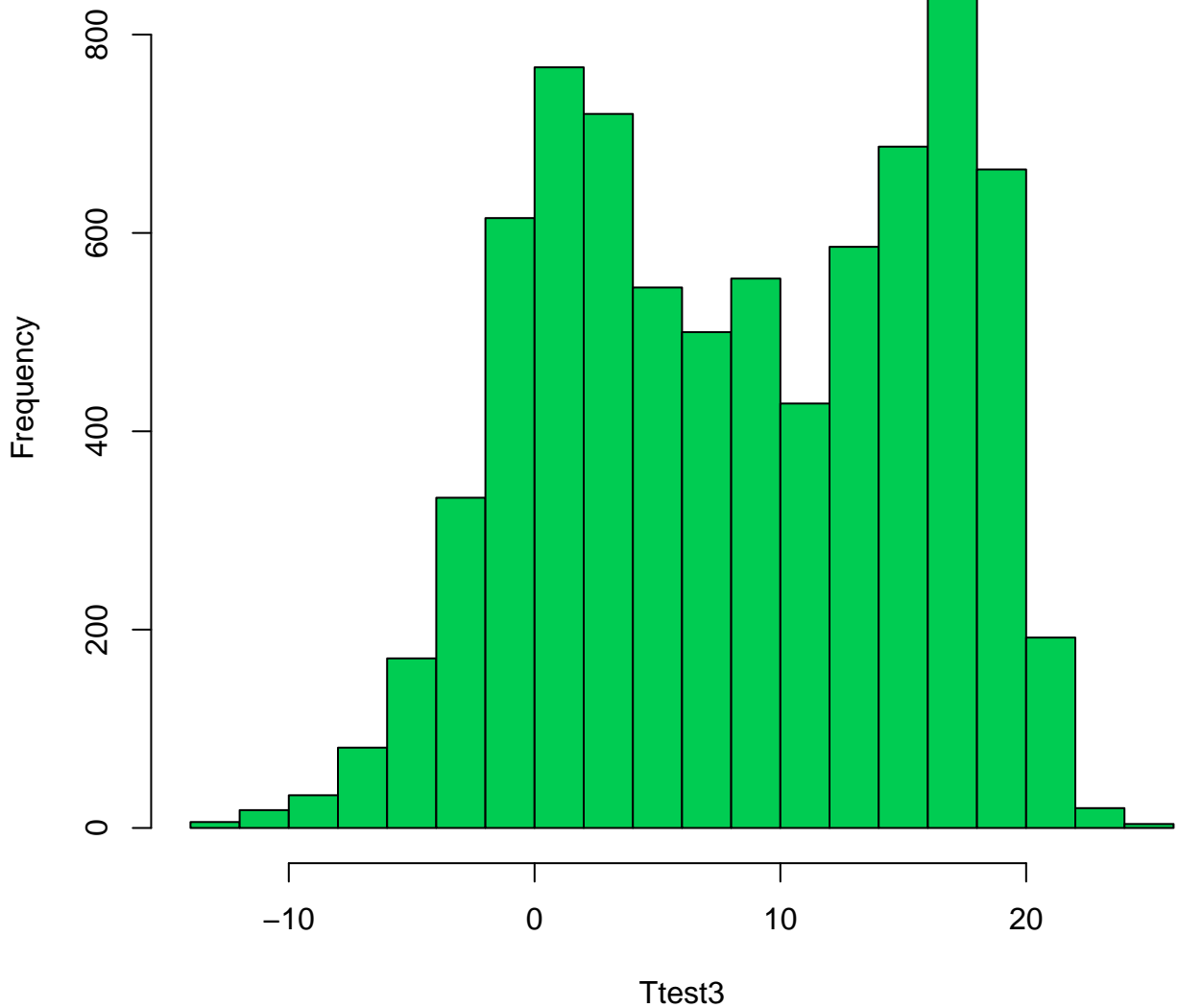
**Data values of Ttest3 (Nov)**



**Data values of Ttest3 (Dec)**

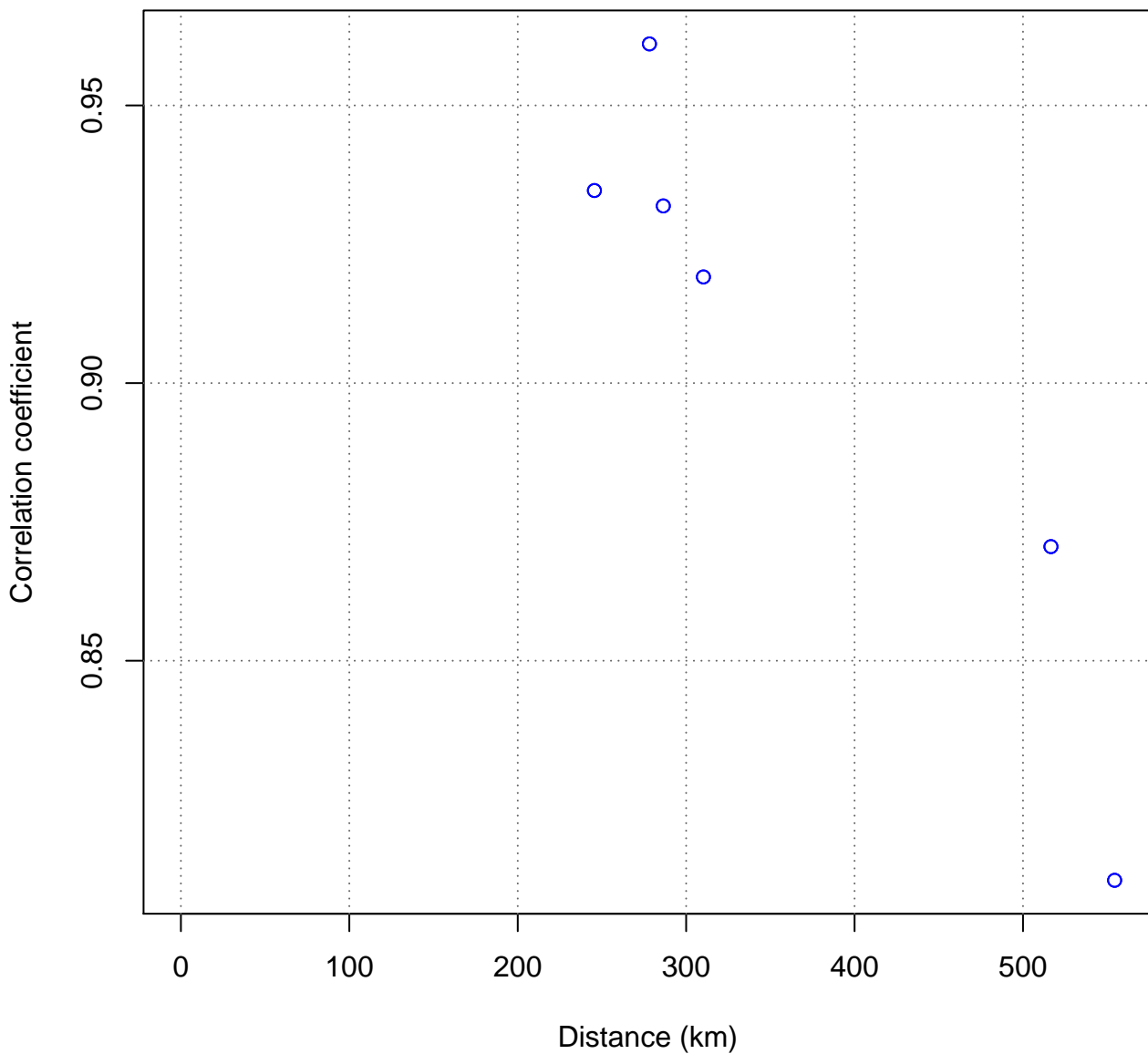


**Histogram of all data**

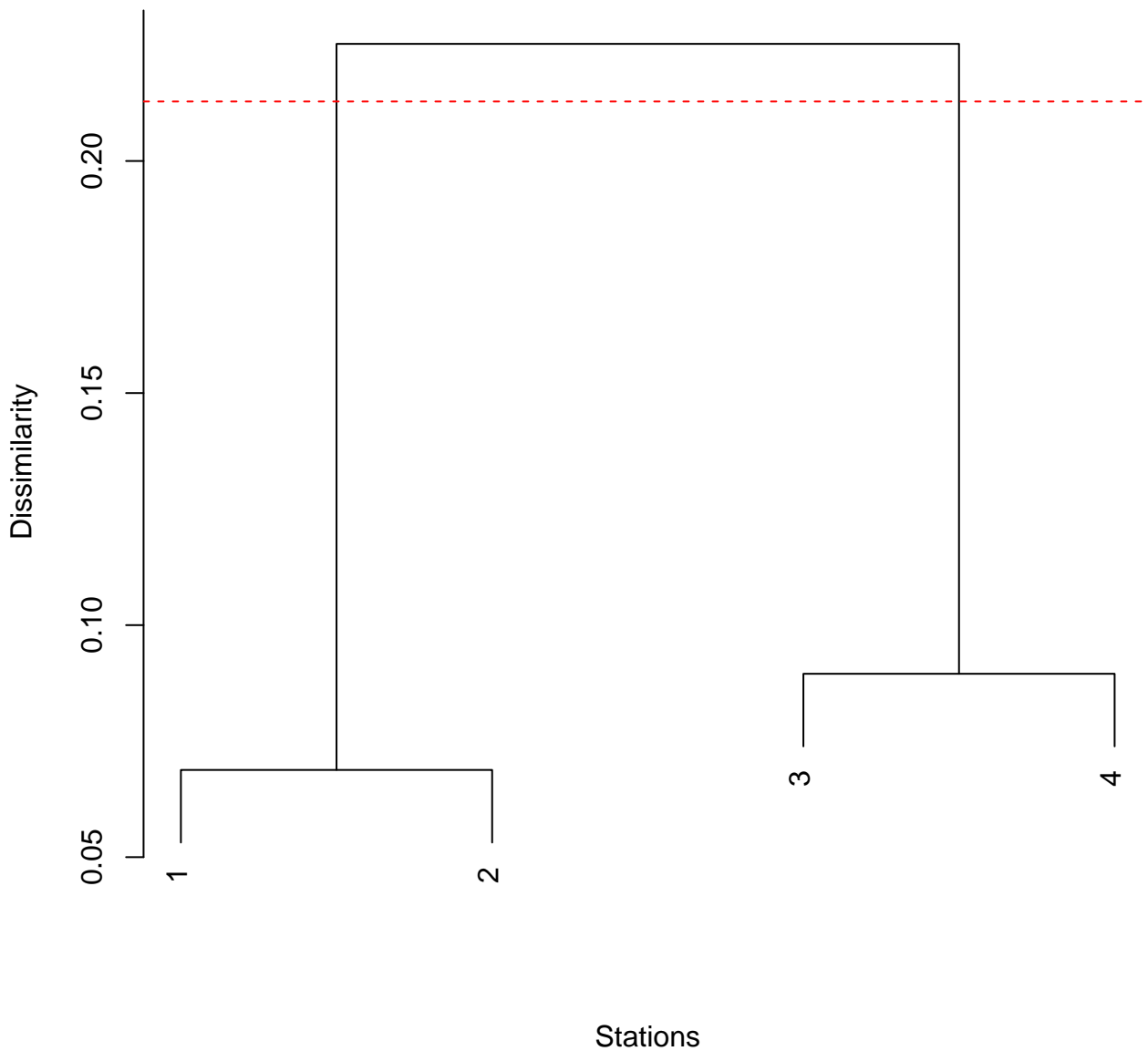




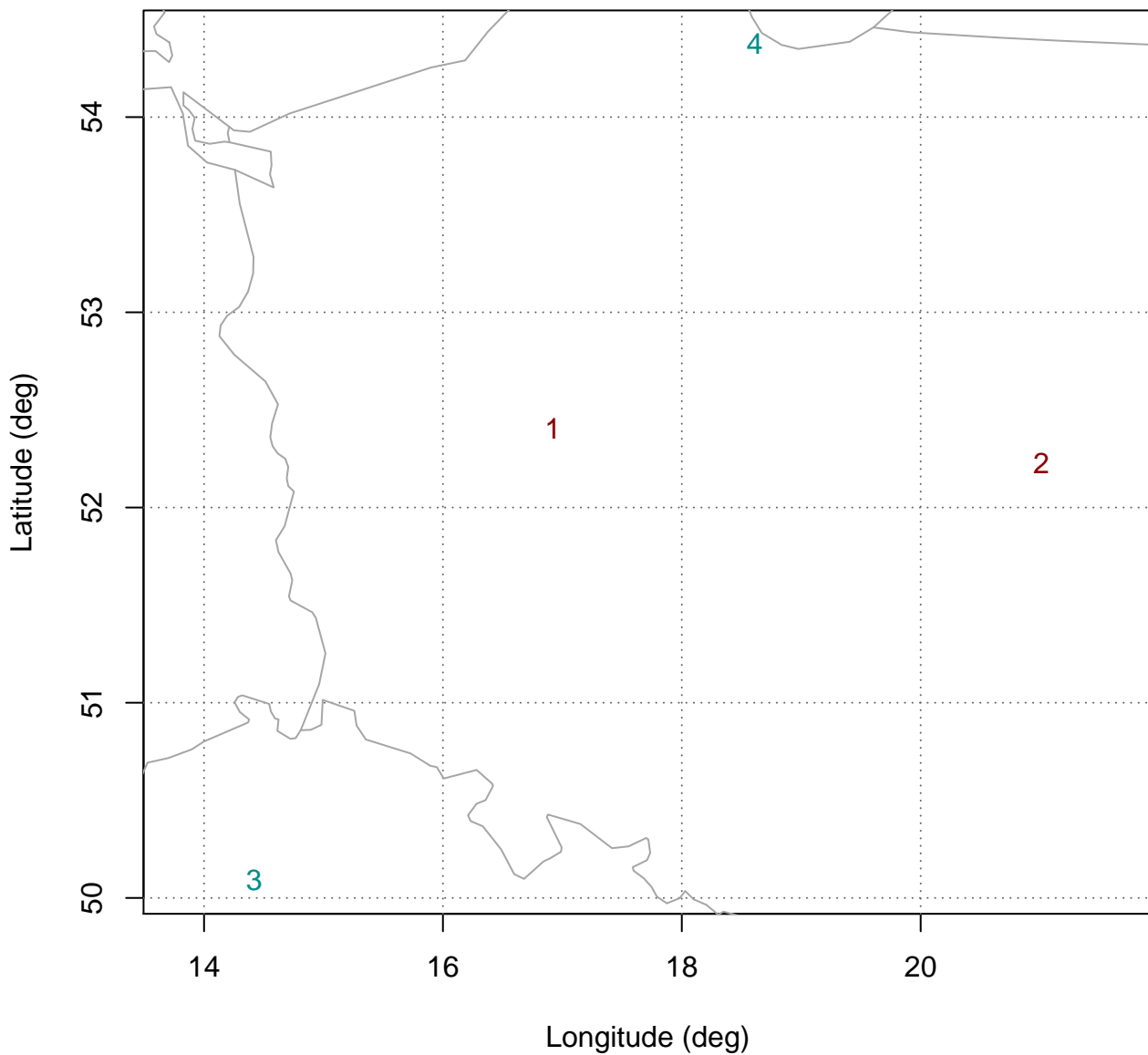
**Correlogram of first difference series**



**Dendrogram of station clusters**



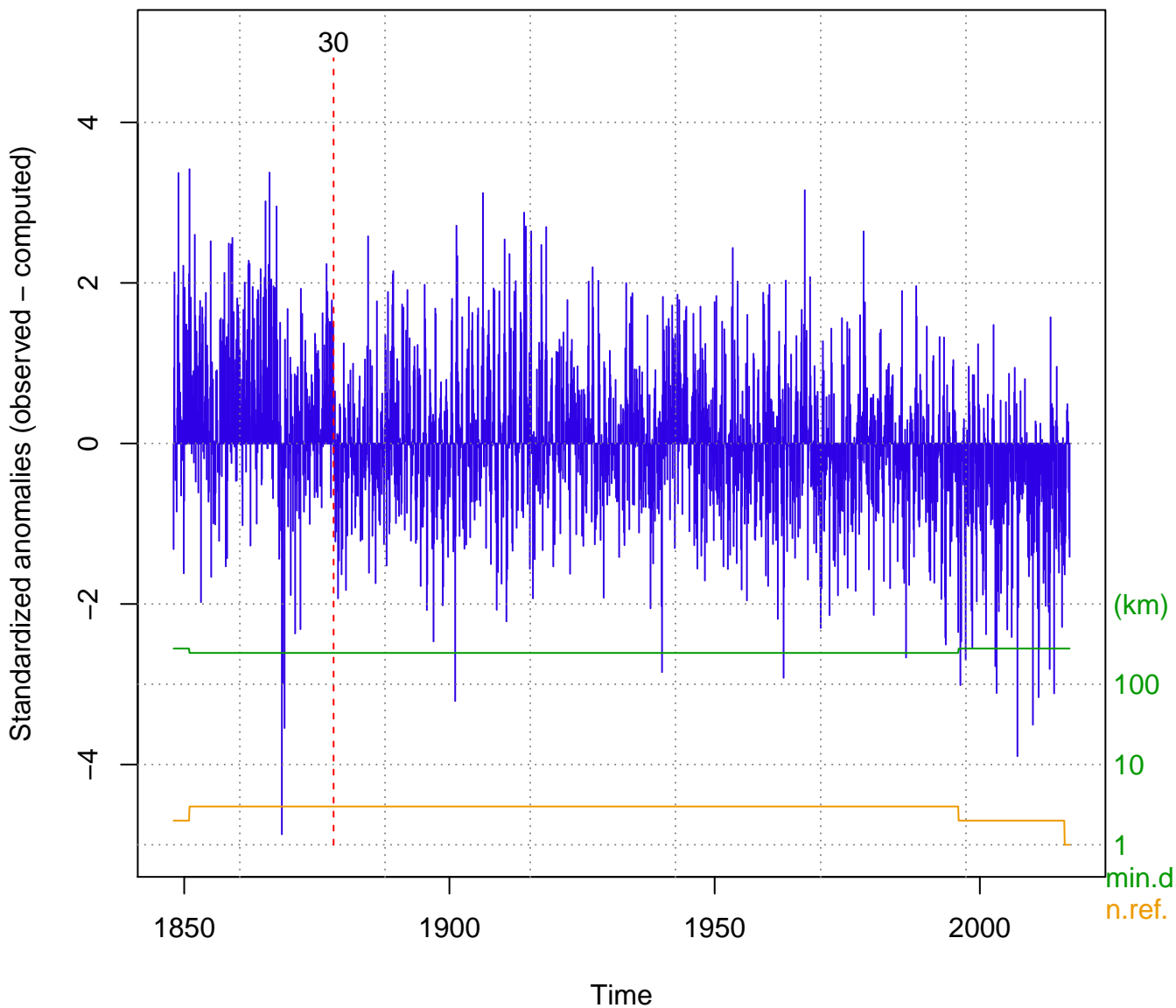
# Ttest3 station locations (2 clusters)



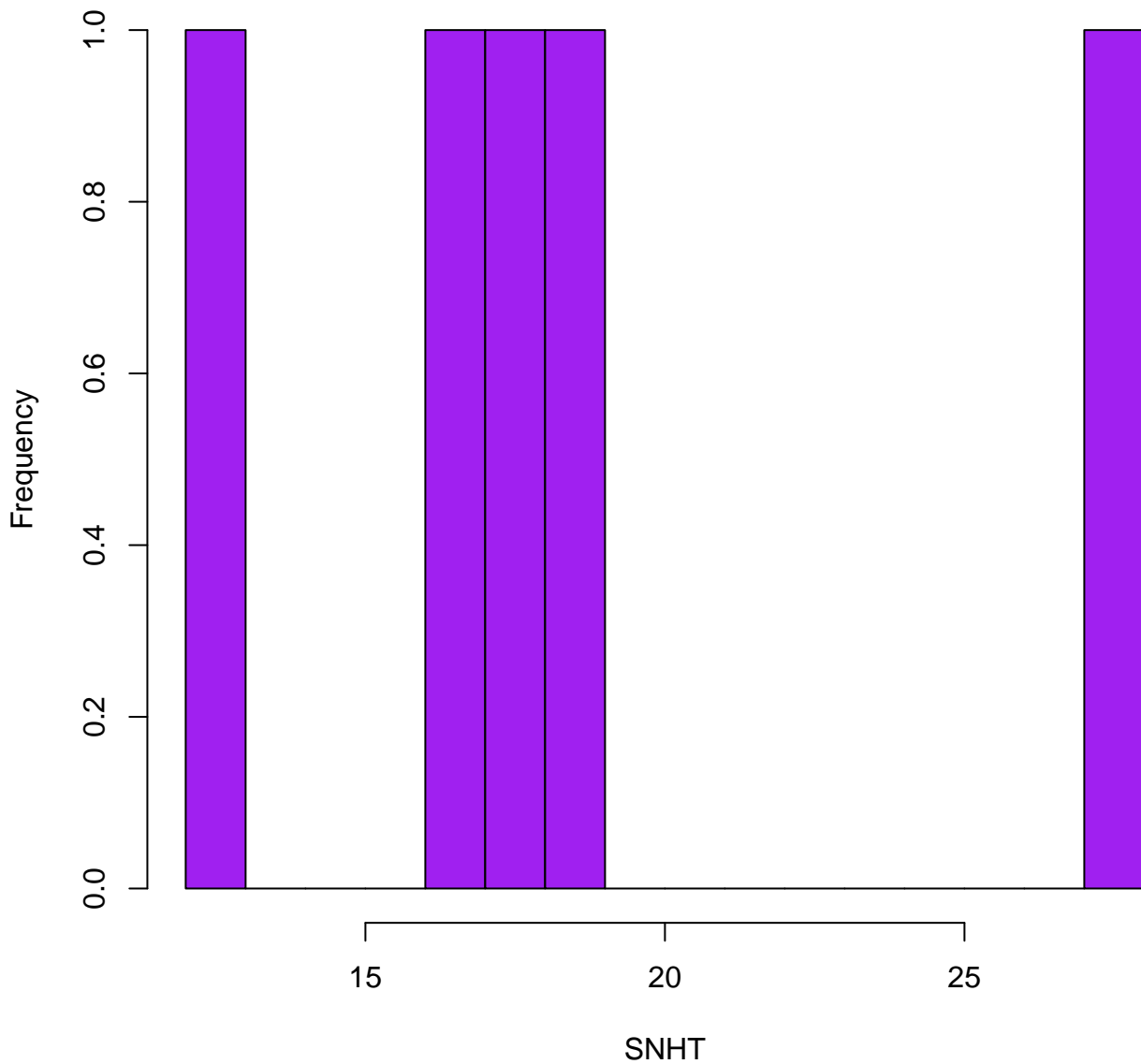
# Stage 1

Binary splits on 60 term  
stepped windows  
with  $\text{SNHT} > 30$   
and  $\text{wd} = 0 \text{ km}$

# Ttest3 at poznan(1), poznan



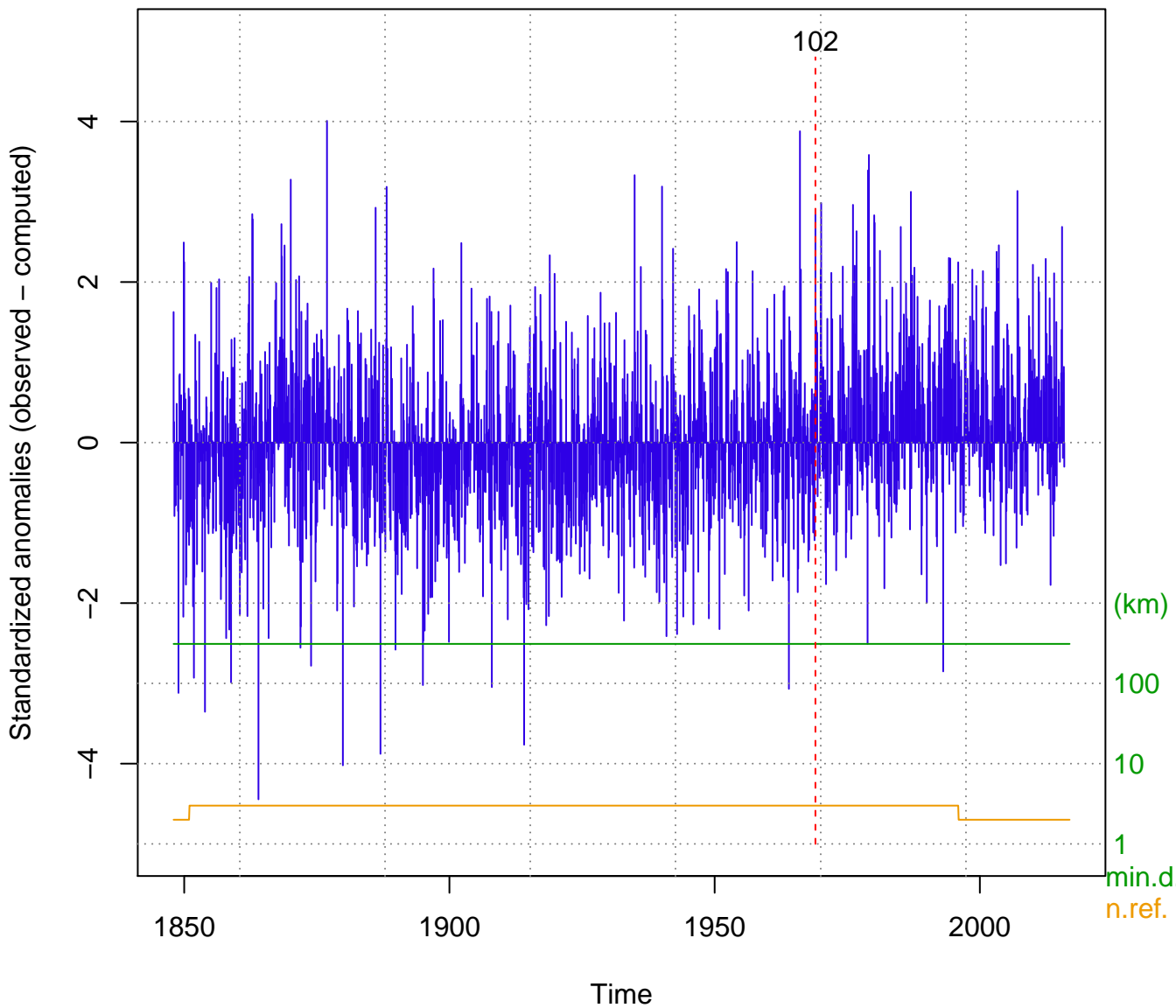
**Histogram of maximum SNHT (Stage 1)**



# Stage 2

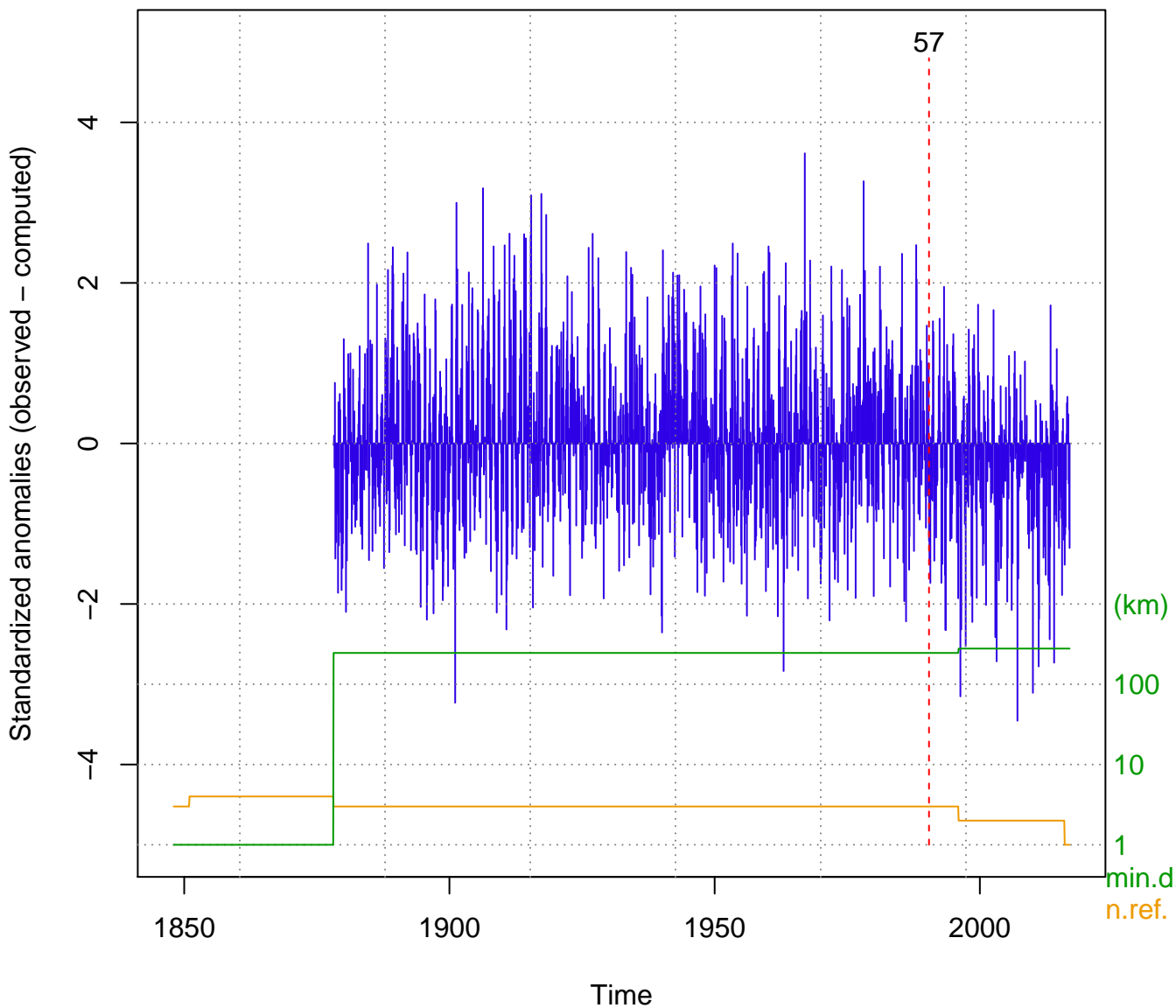
Binary splits on  
whole series  
with  $\text{SNHT} > 30$   
and  $\text{wd} = 100 \text{ km}$

# Ttest3 at praga(3), praga

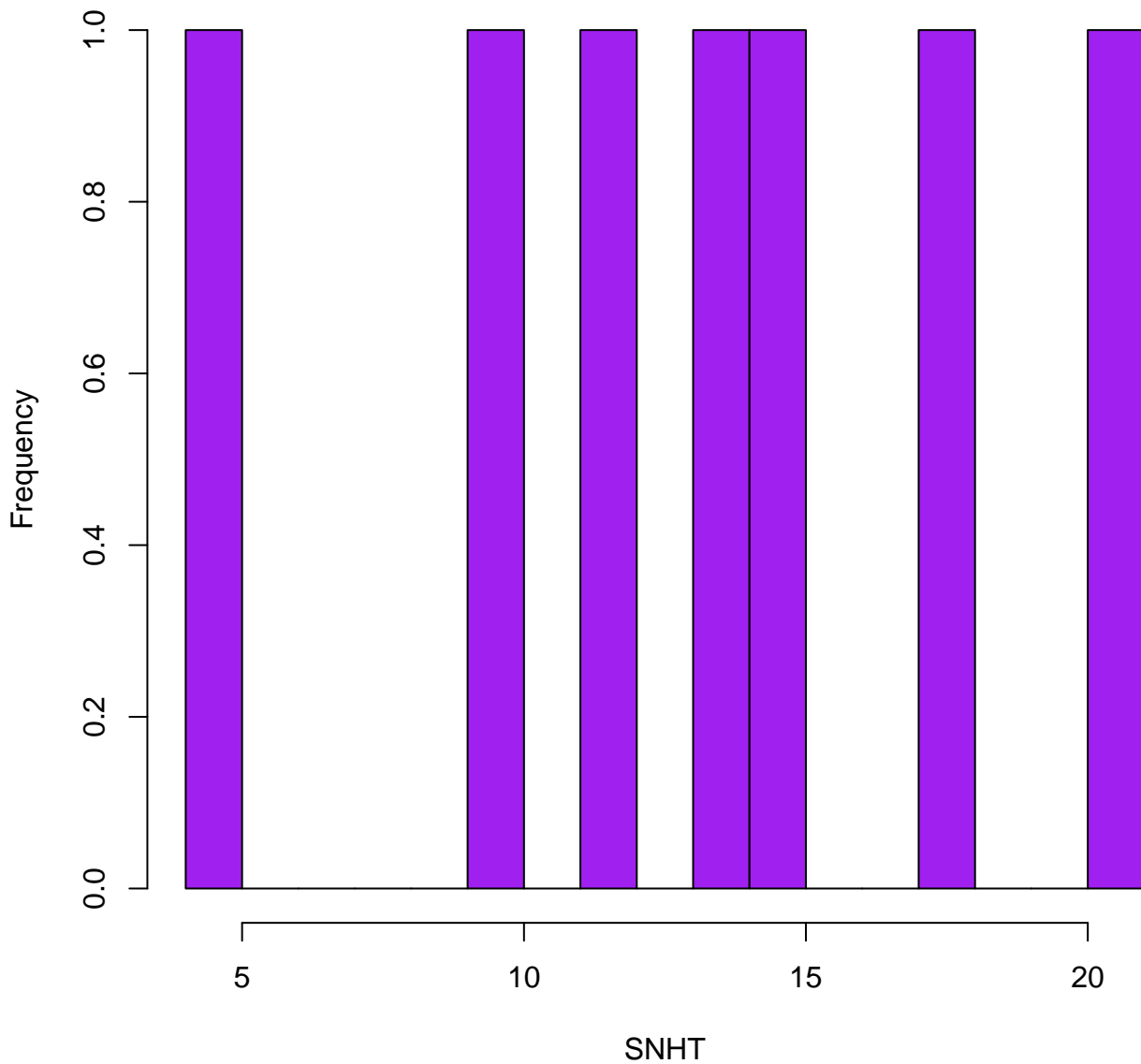




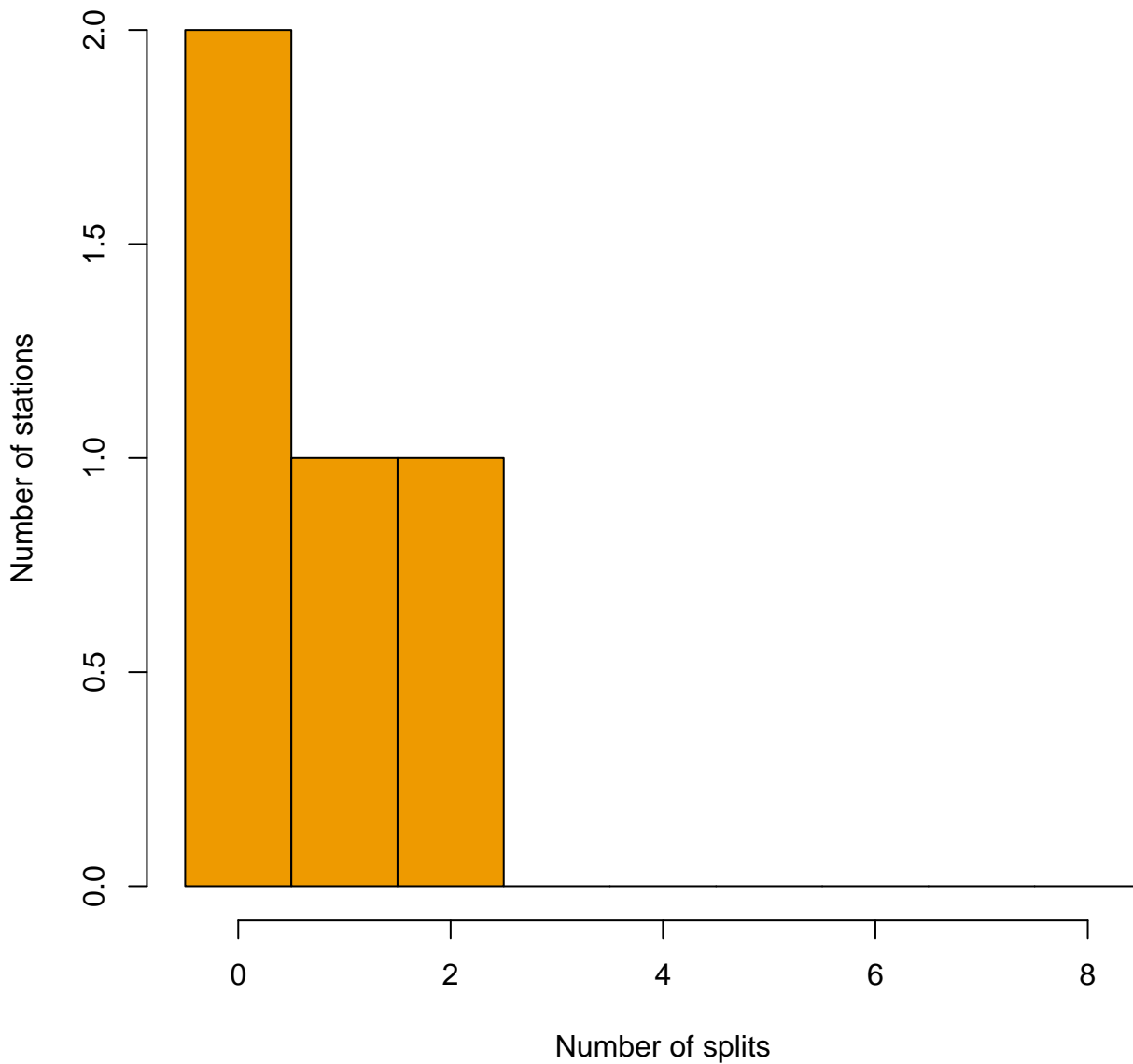
# Ttest3 at poznan-2(5), poznan-2



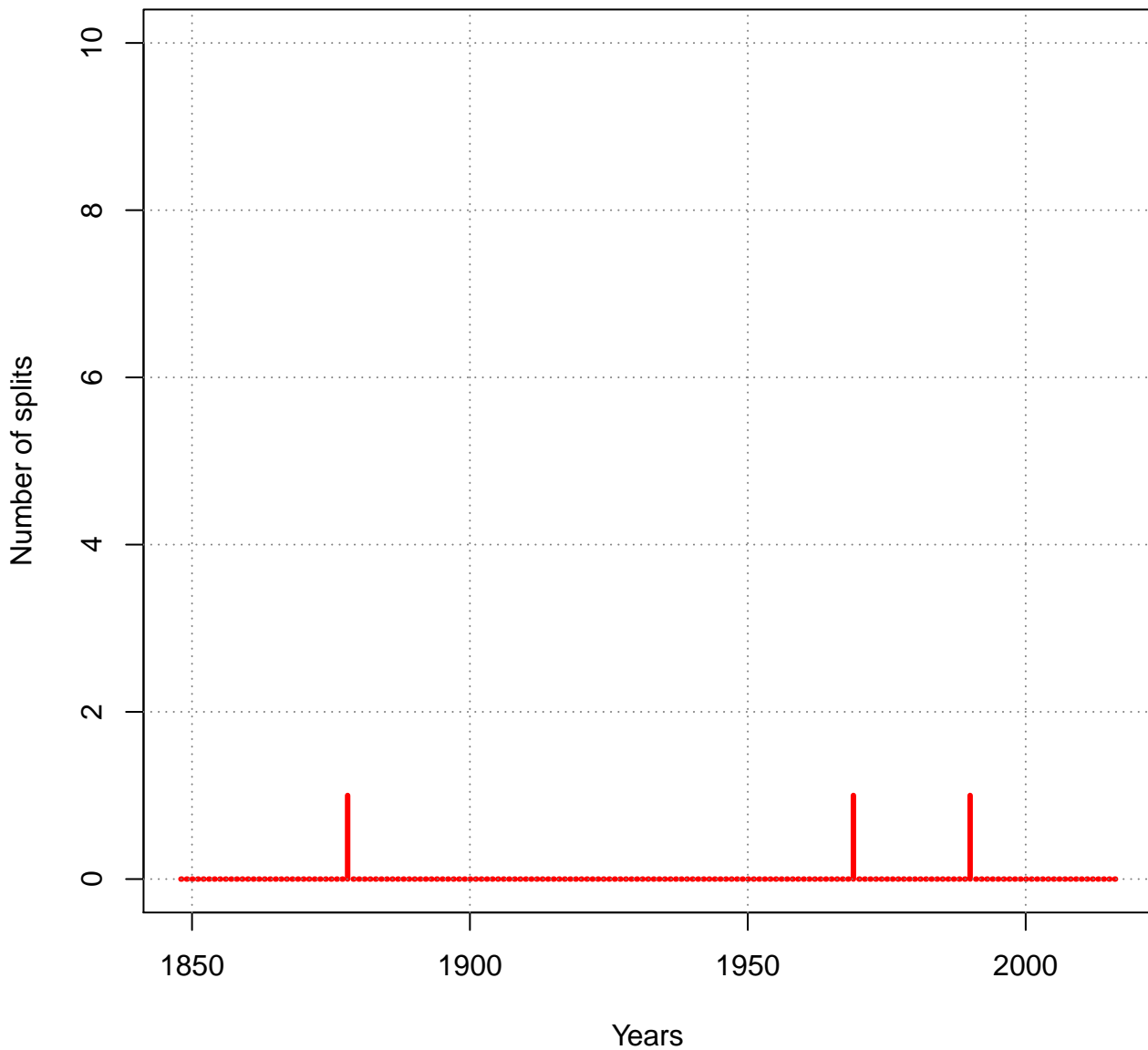
**Histogram of maximum SNHT (Stage 2)**



## Number of splits per station



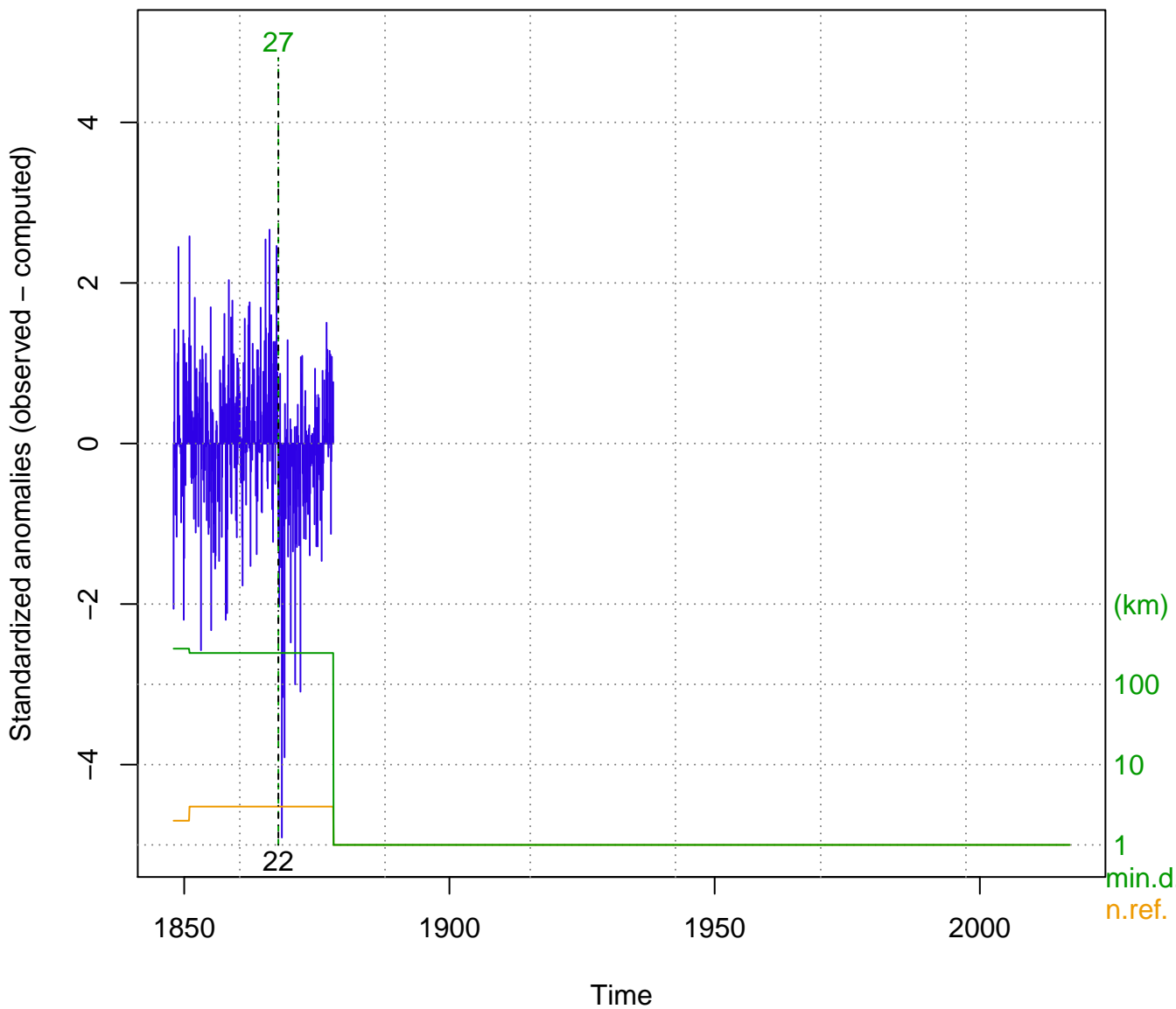
# Number of splits per year



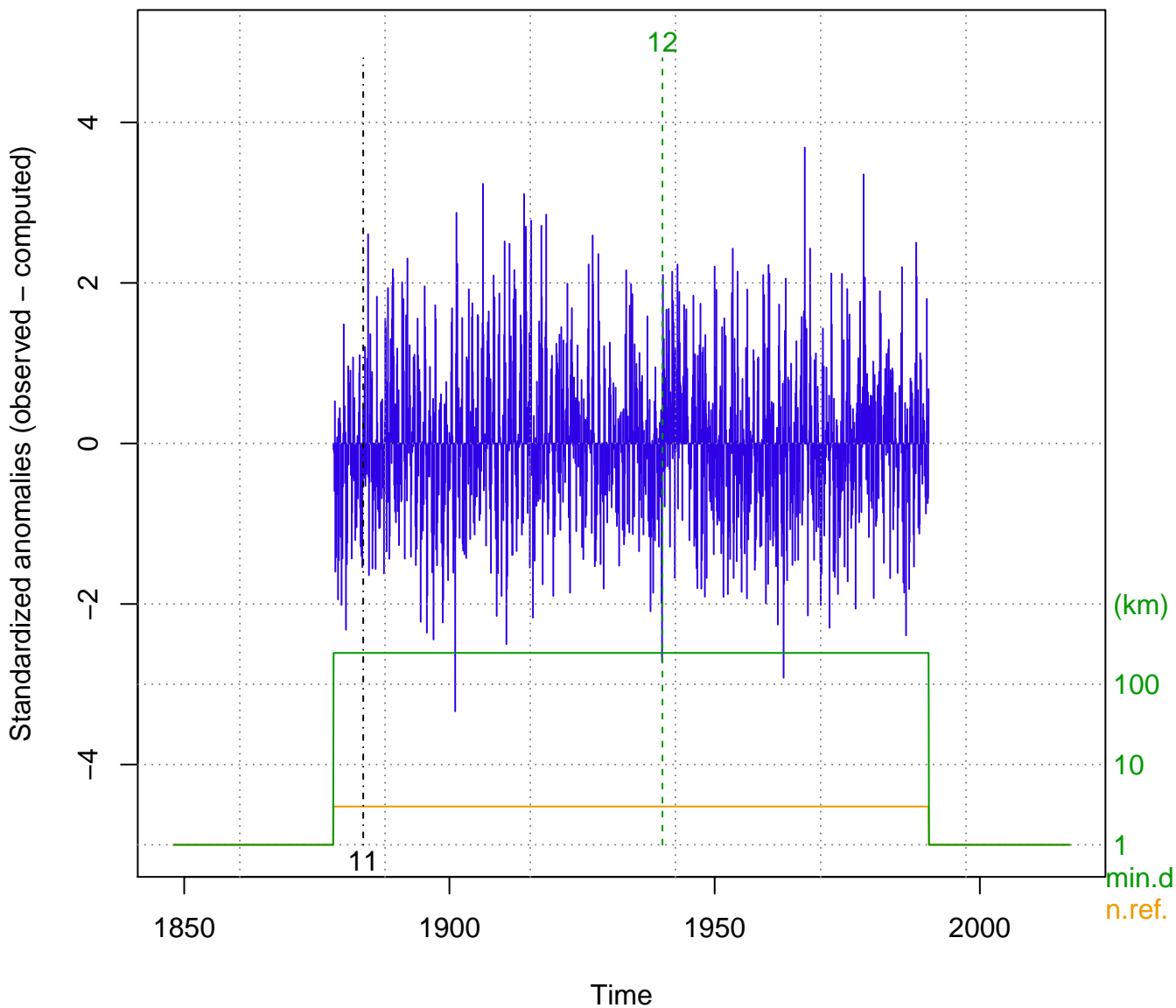
# Stage 3

Anomalies after  
missing data  
recalculation  
with  $wd = 500$  km  
(  $swa = 60$  )

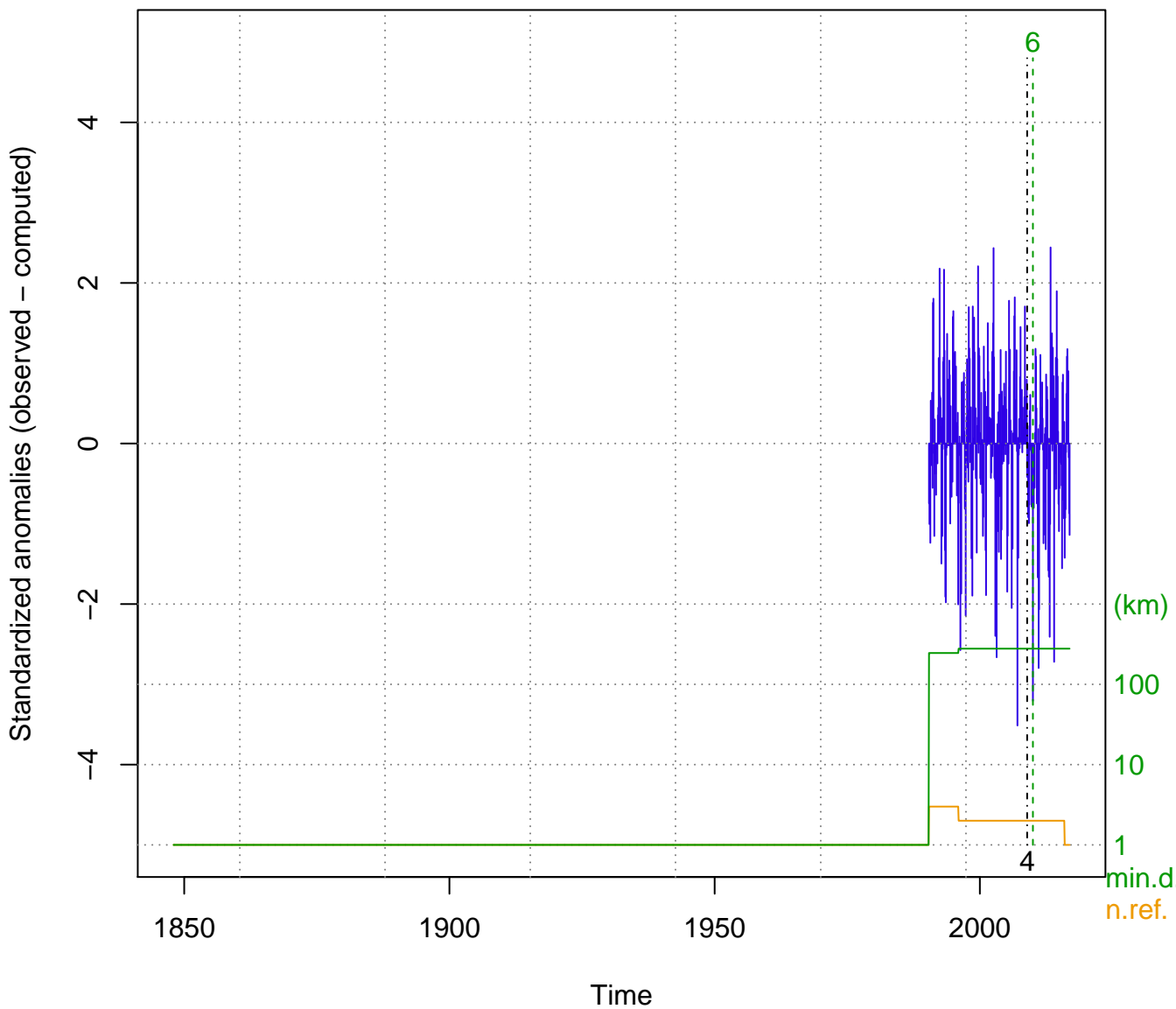
# Ttest3 at poznan(1), poznan



# Ttest3 at poznan-2(5), poznan-2

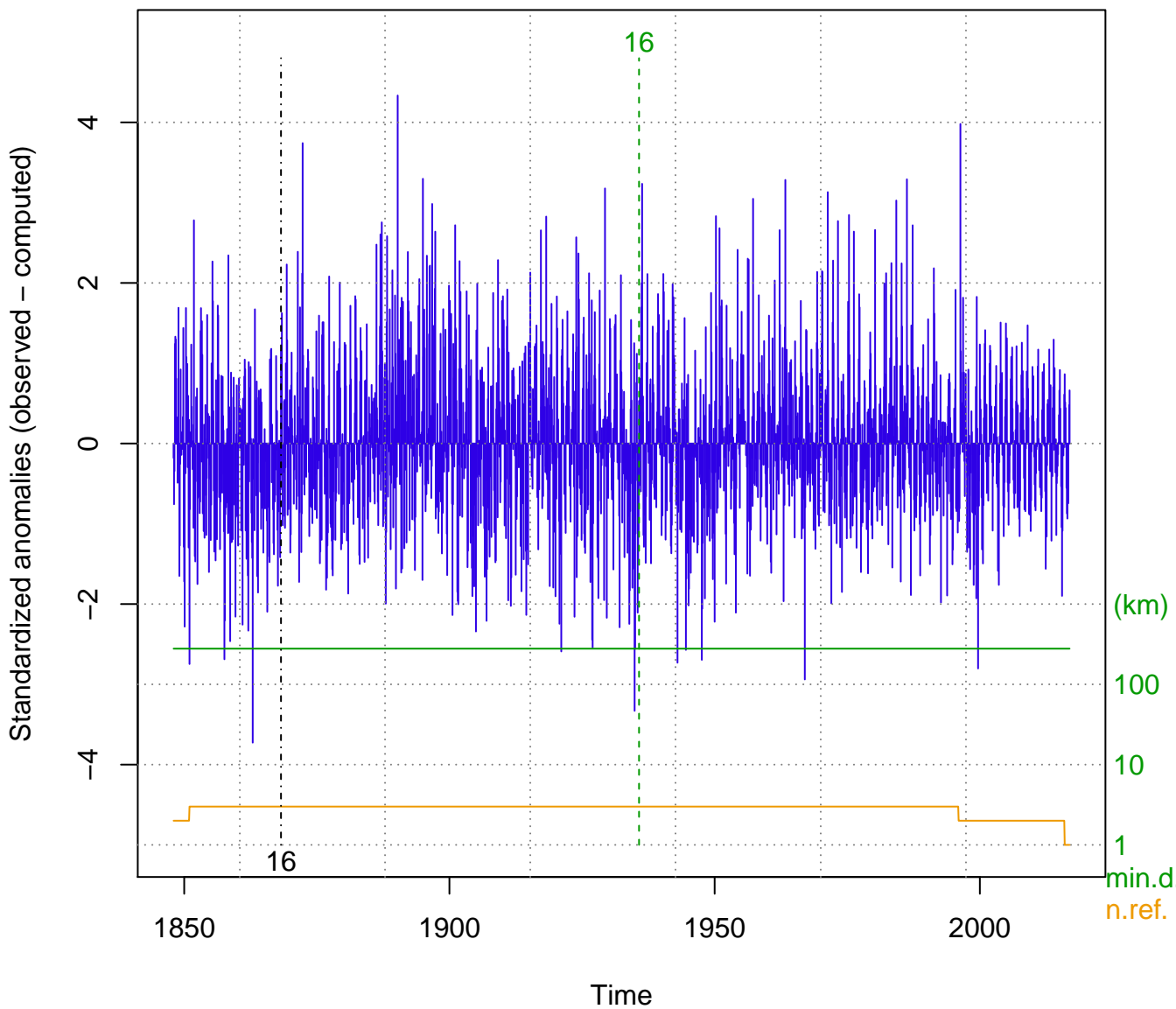


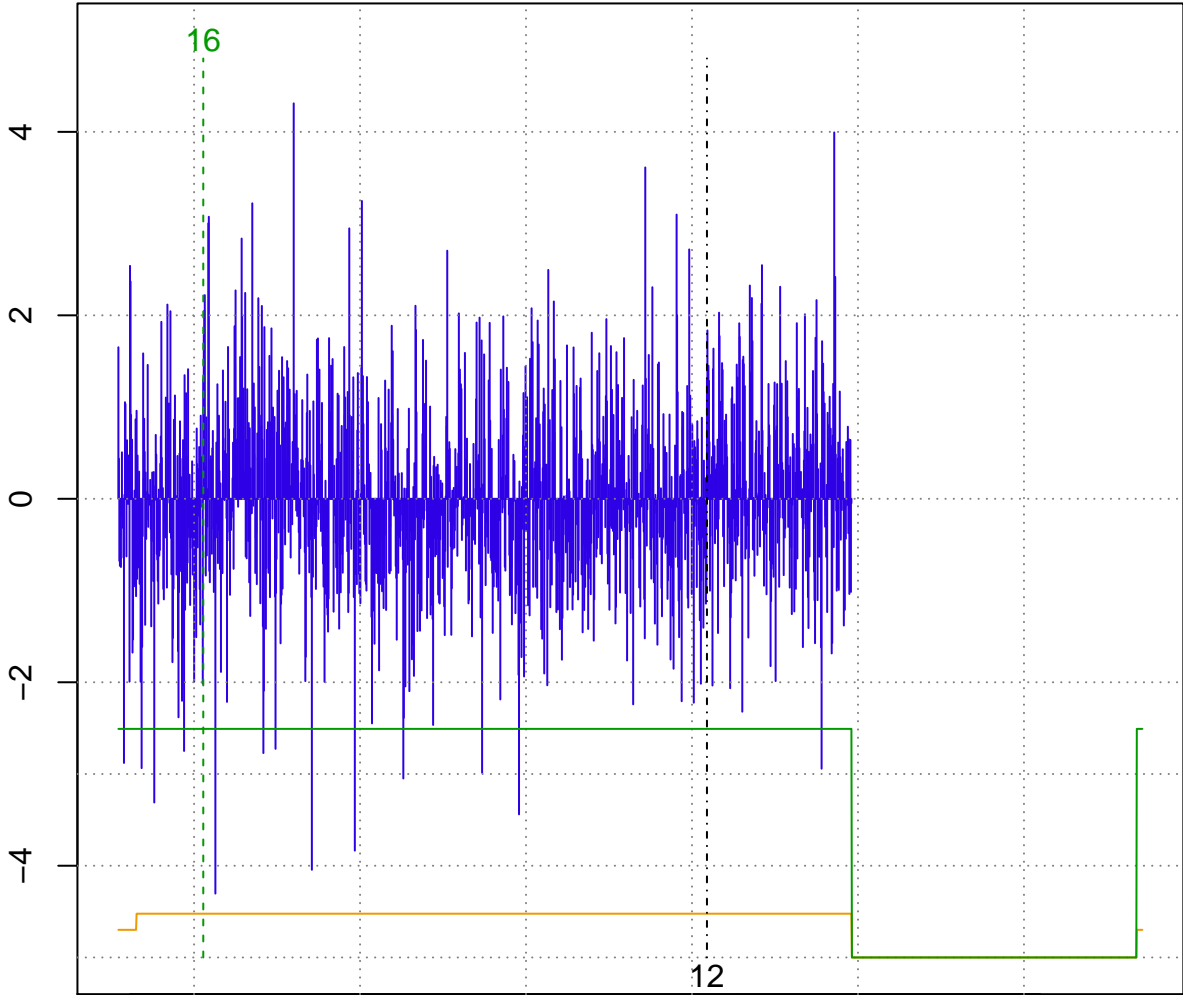
# Ttest3 at poznan-3(7), poznan-3





# Ttest3 at warszawa(2), warszawa



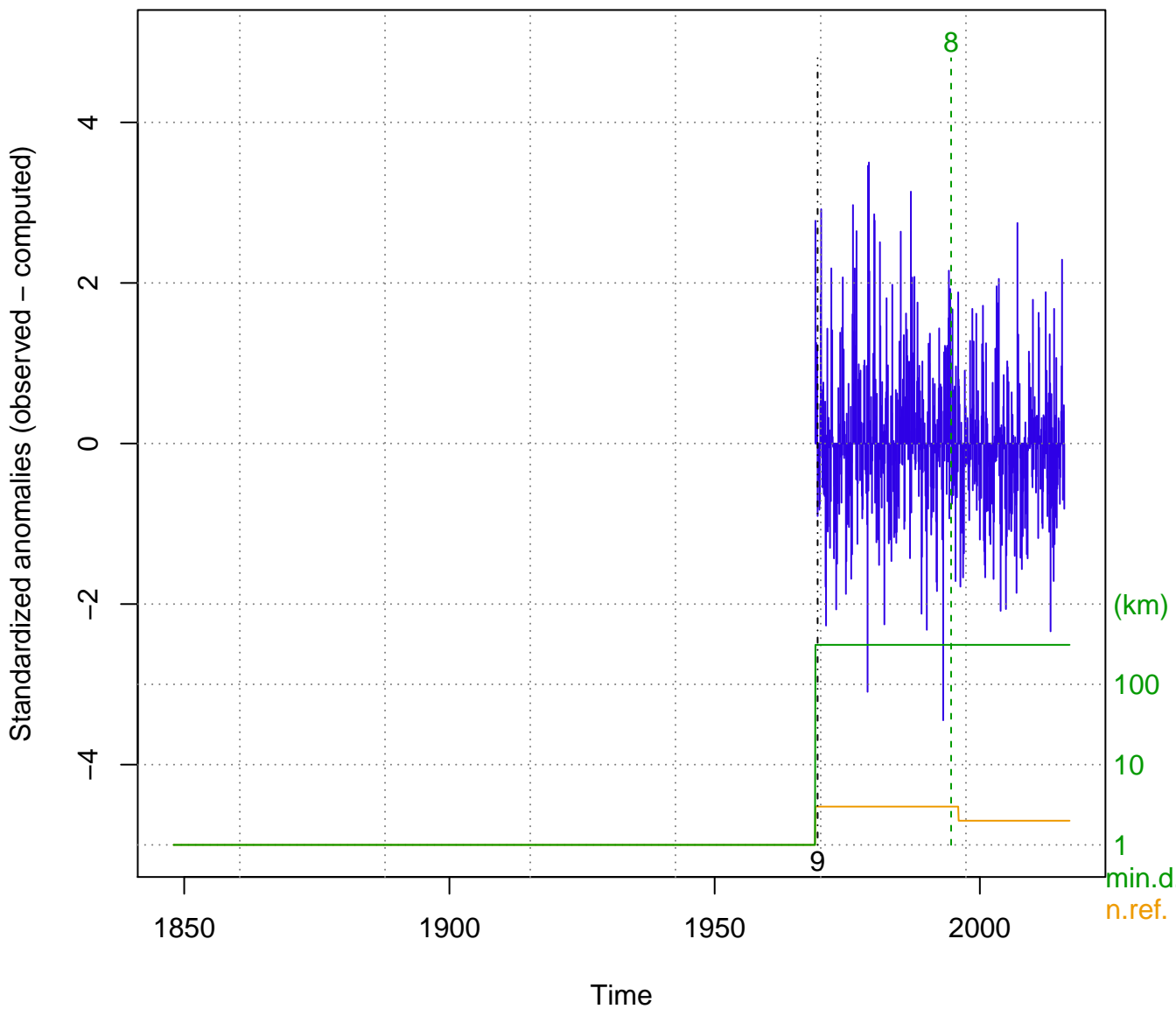


1

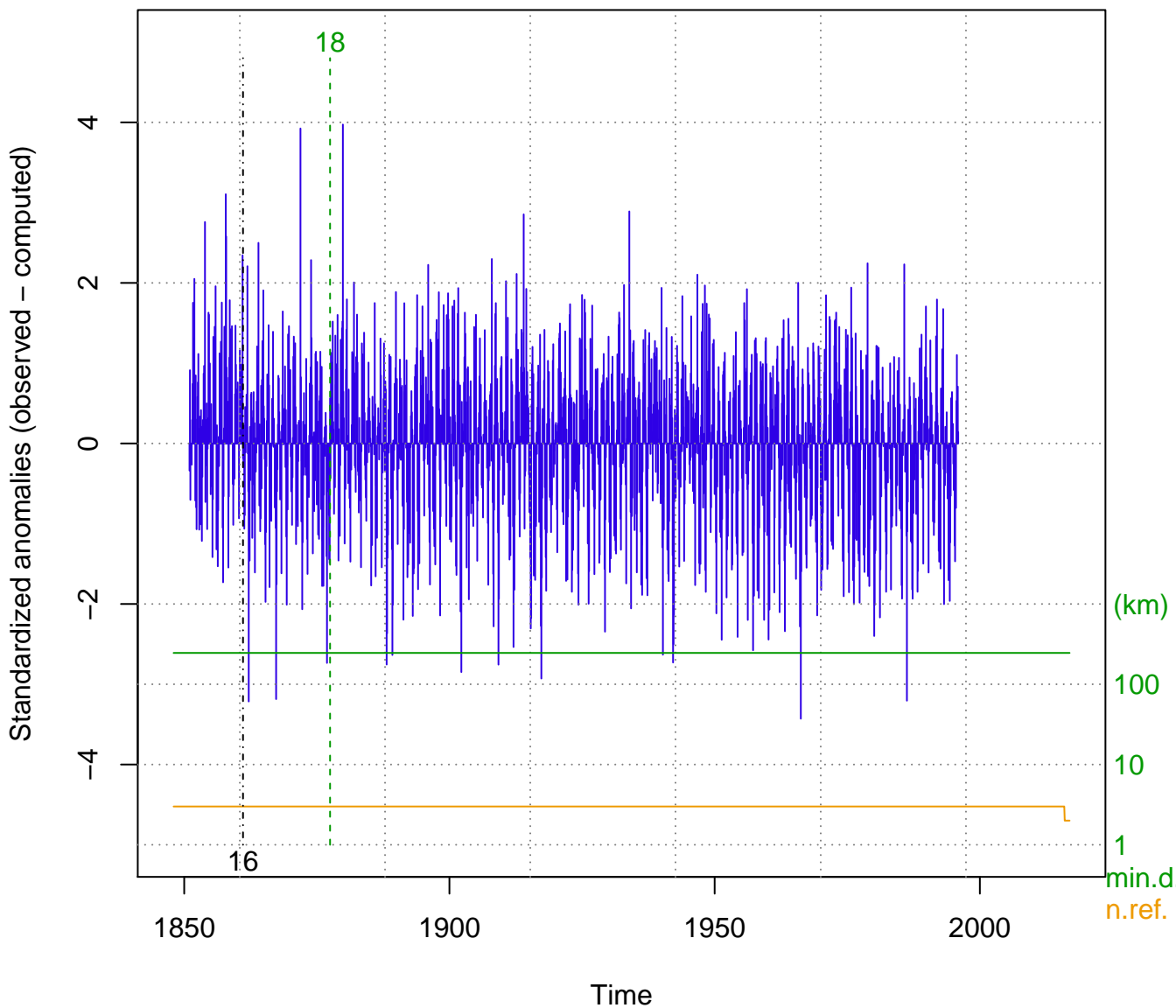
min.d  
n.ref.

Time

# Ttest3 at praga-2(6), praga-2



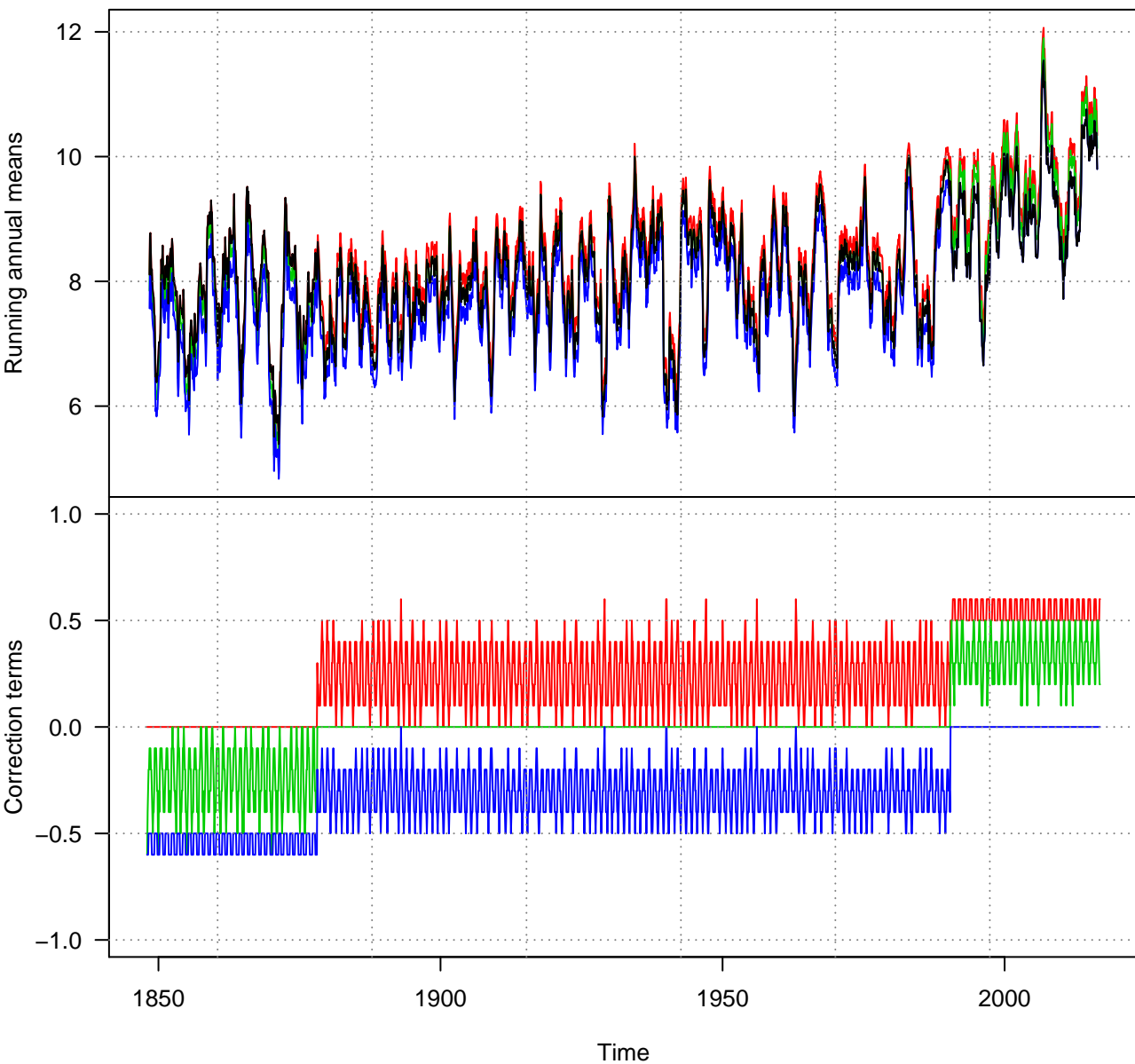
# Ttest3 at gdansk(4), gdansk



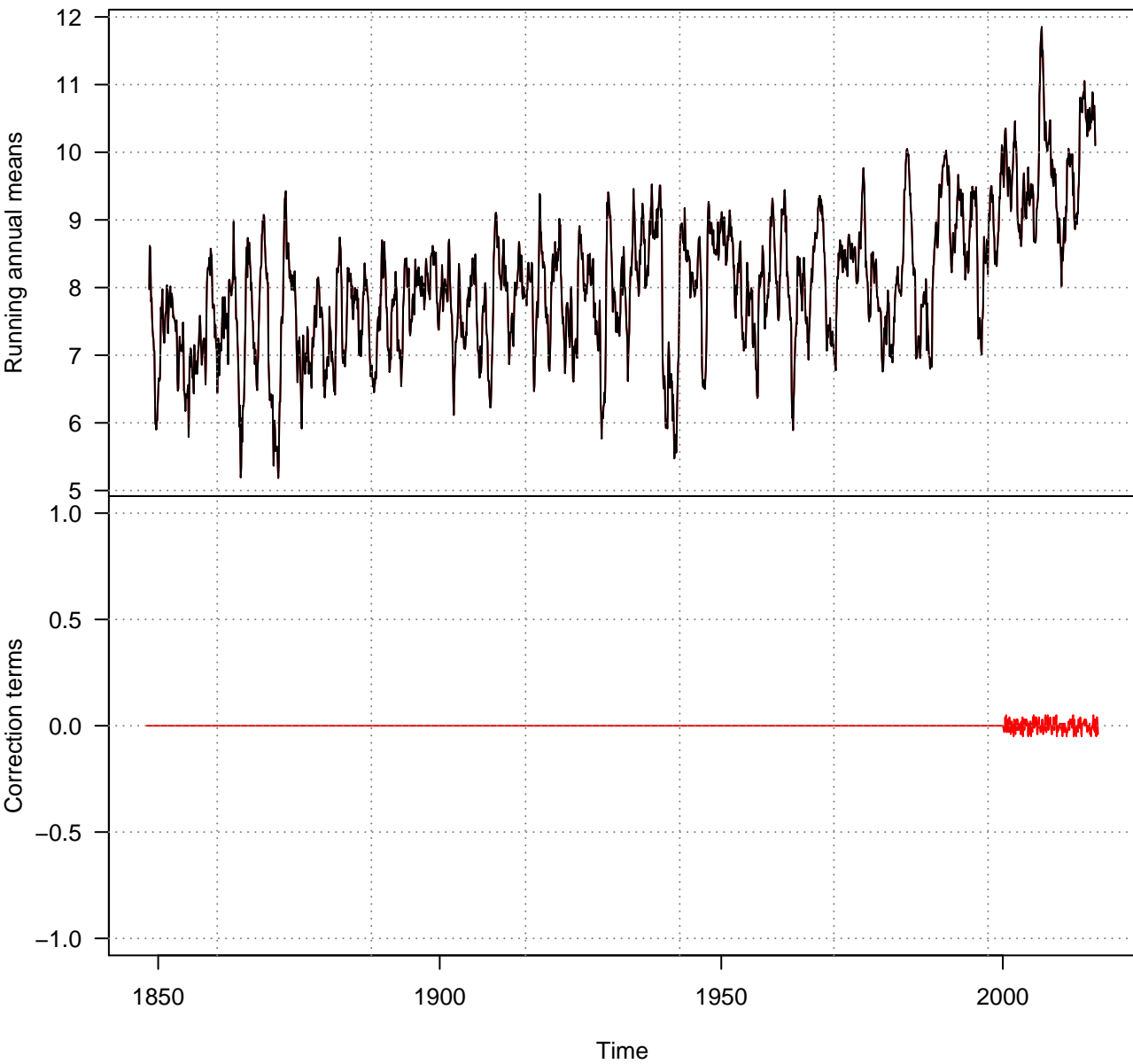
# Final graphics

Adjusted series and  
applied corrections

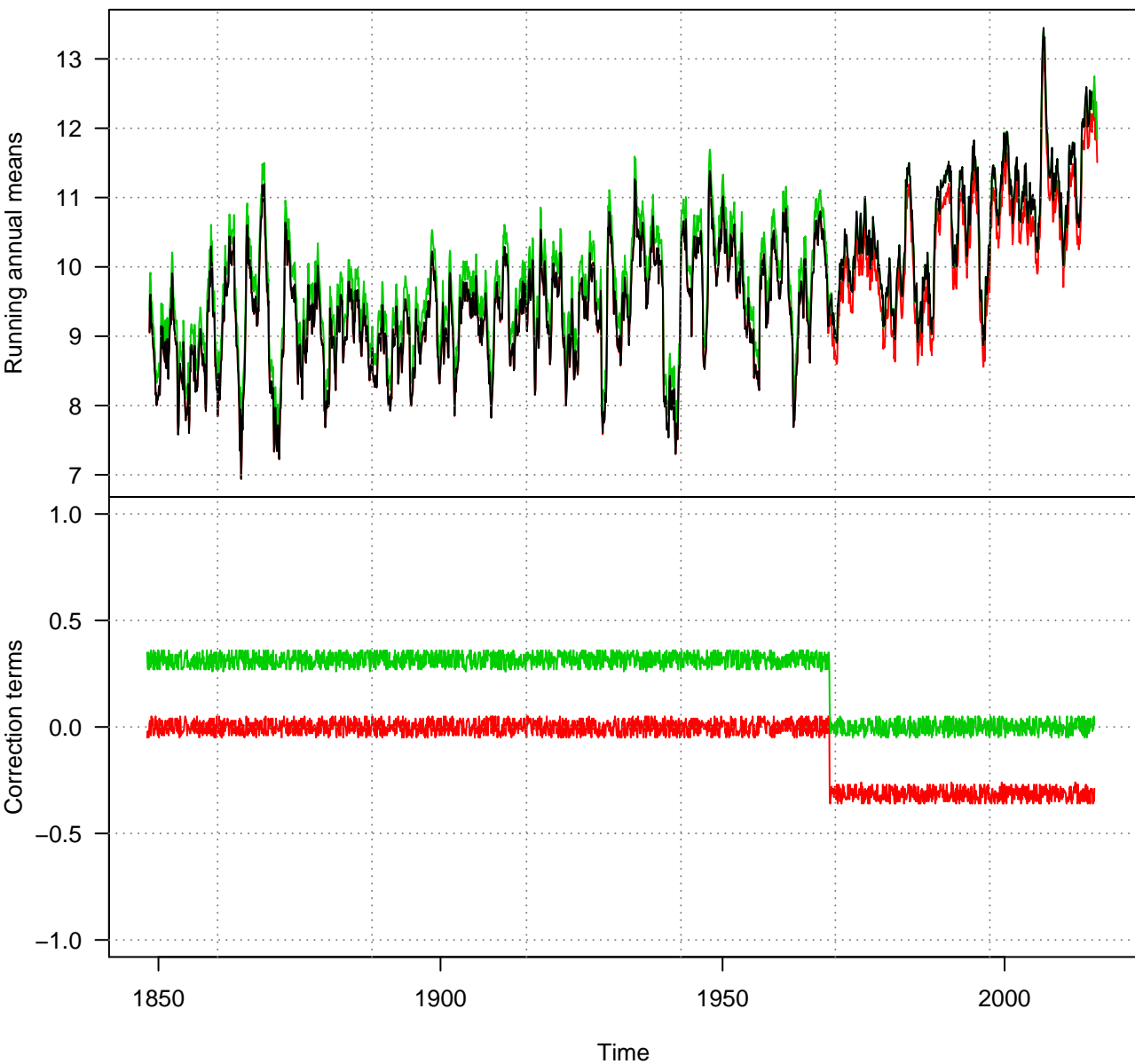
# Ttest3 at poznan(1), poznan



# Ttest3 at warszawa(2), warszawa

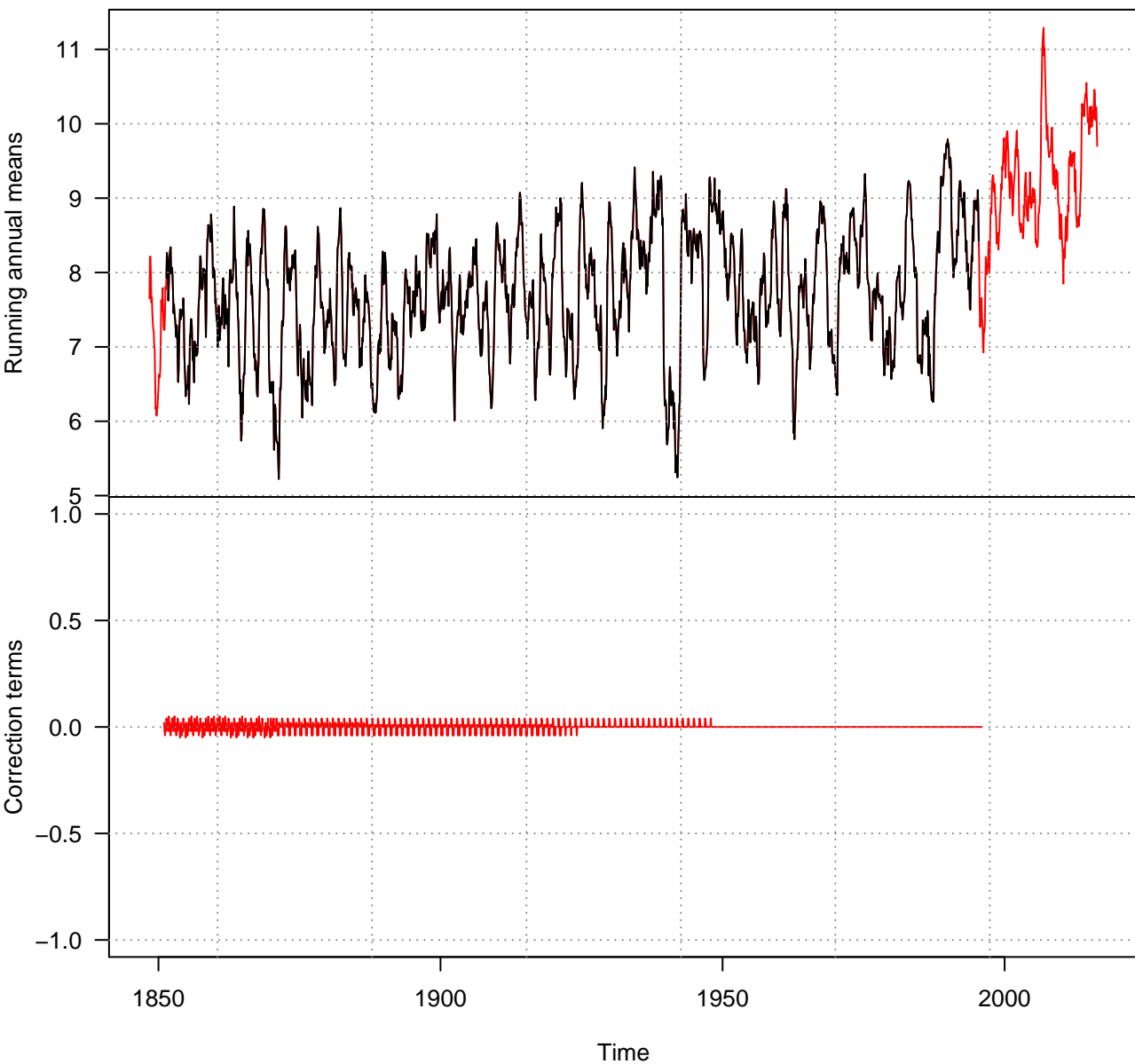


# Ttest3 at praga(3), praga

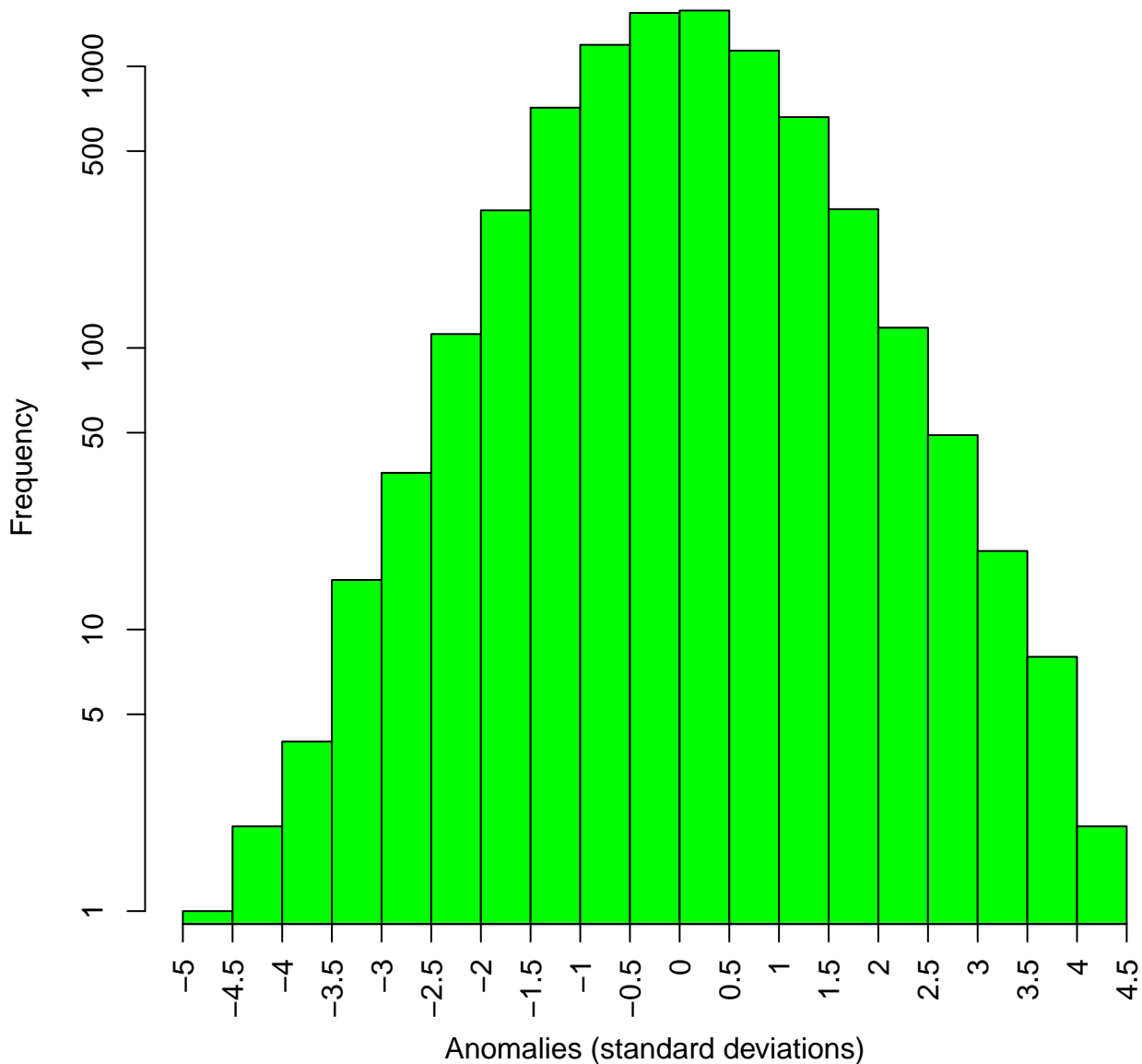




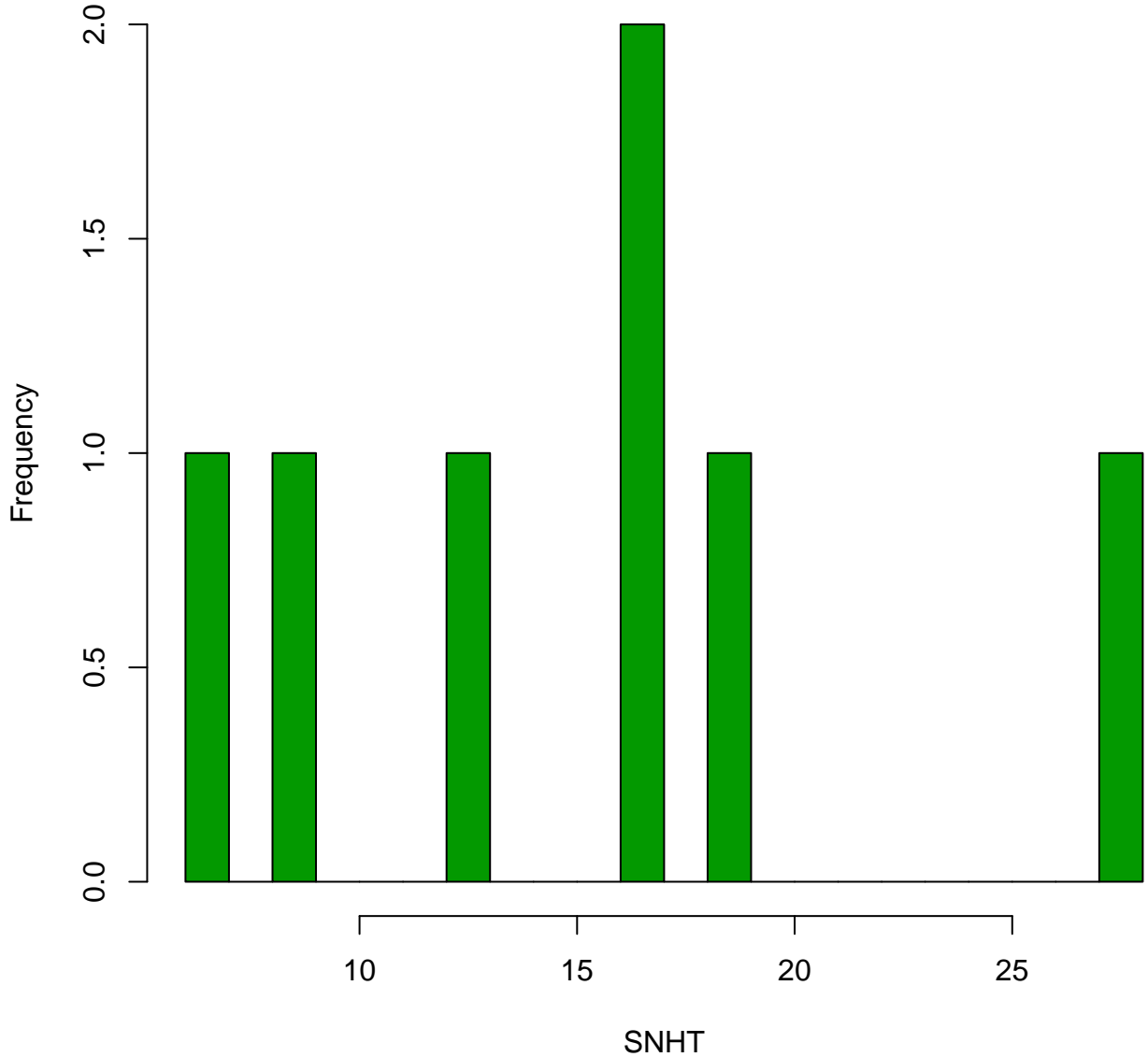
# Ttest3 at gdansk(4), gdansk



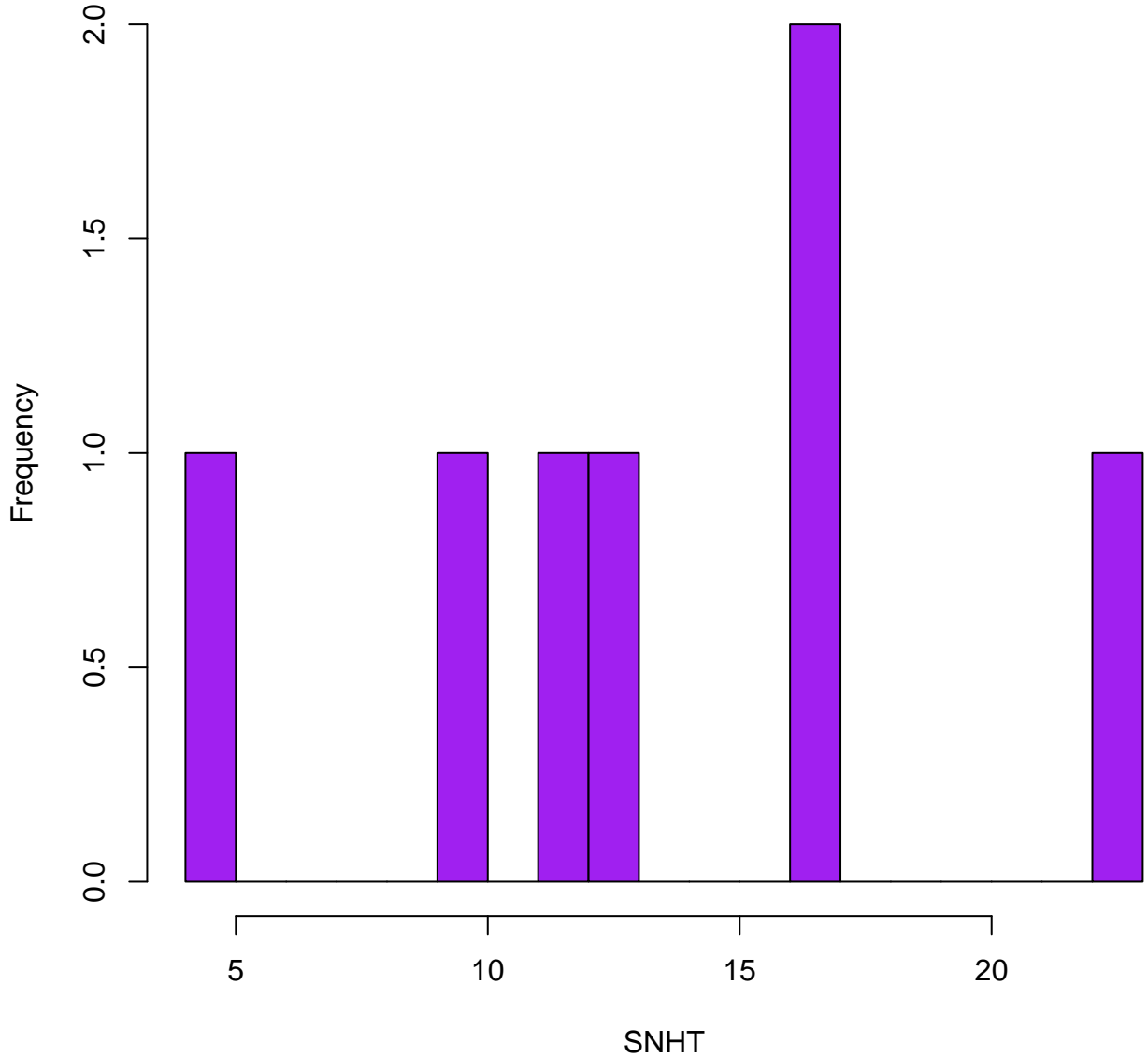
**Histogram of normalized anomalies**



**Histogram of maximum windowed SNHT**



**Histogram of maximum global SNHT**



# Station's quality/singularity

