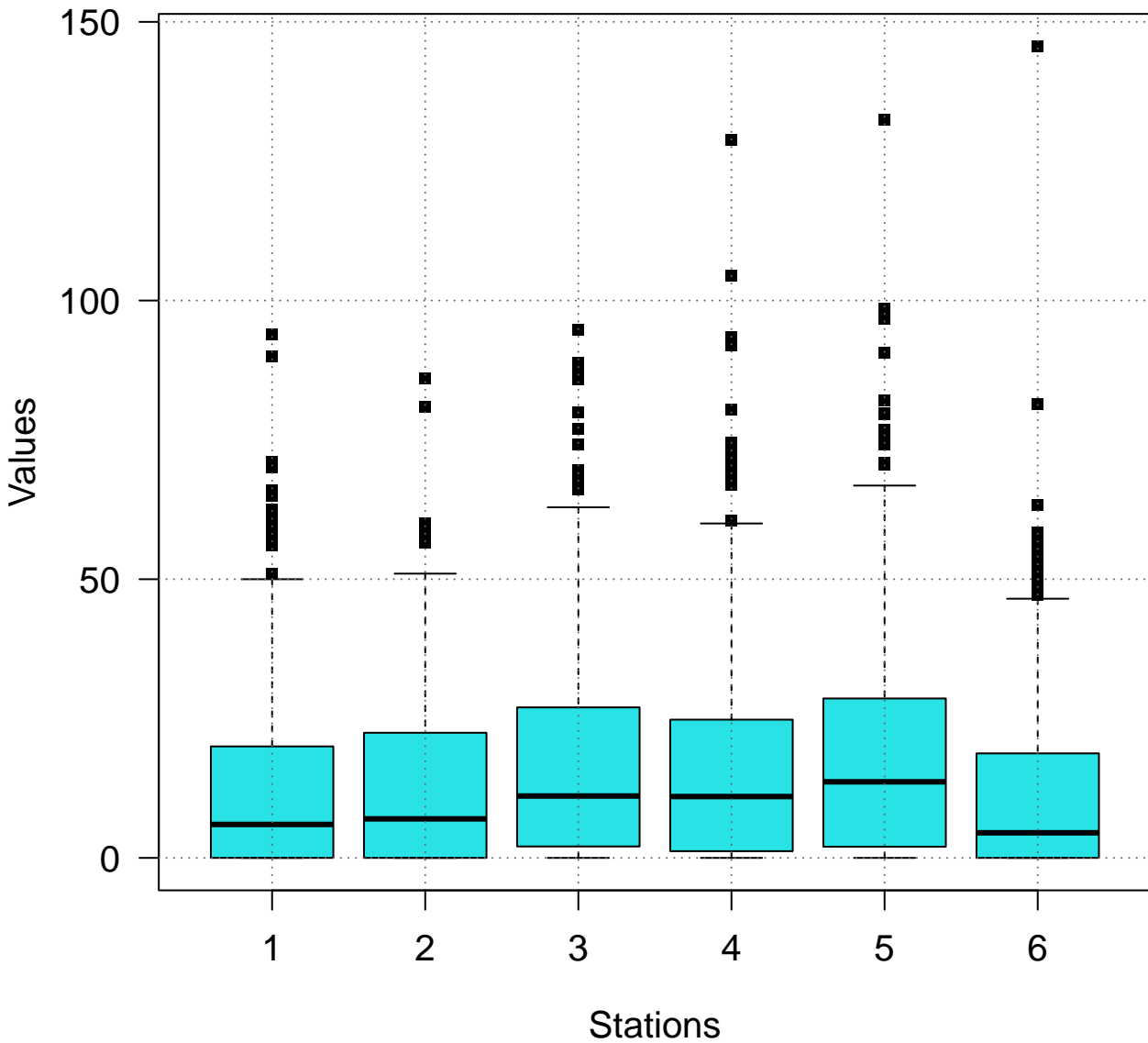


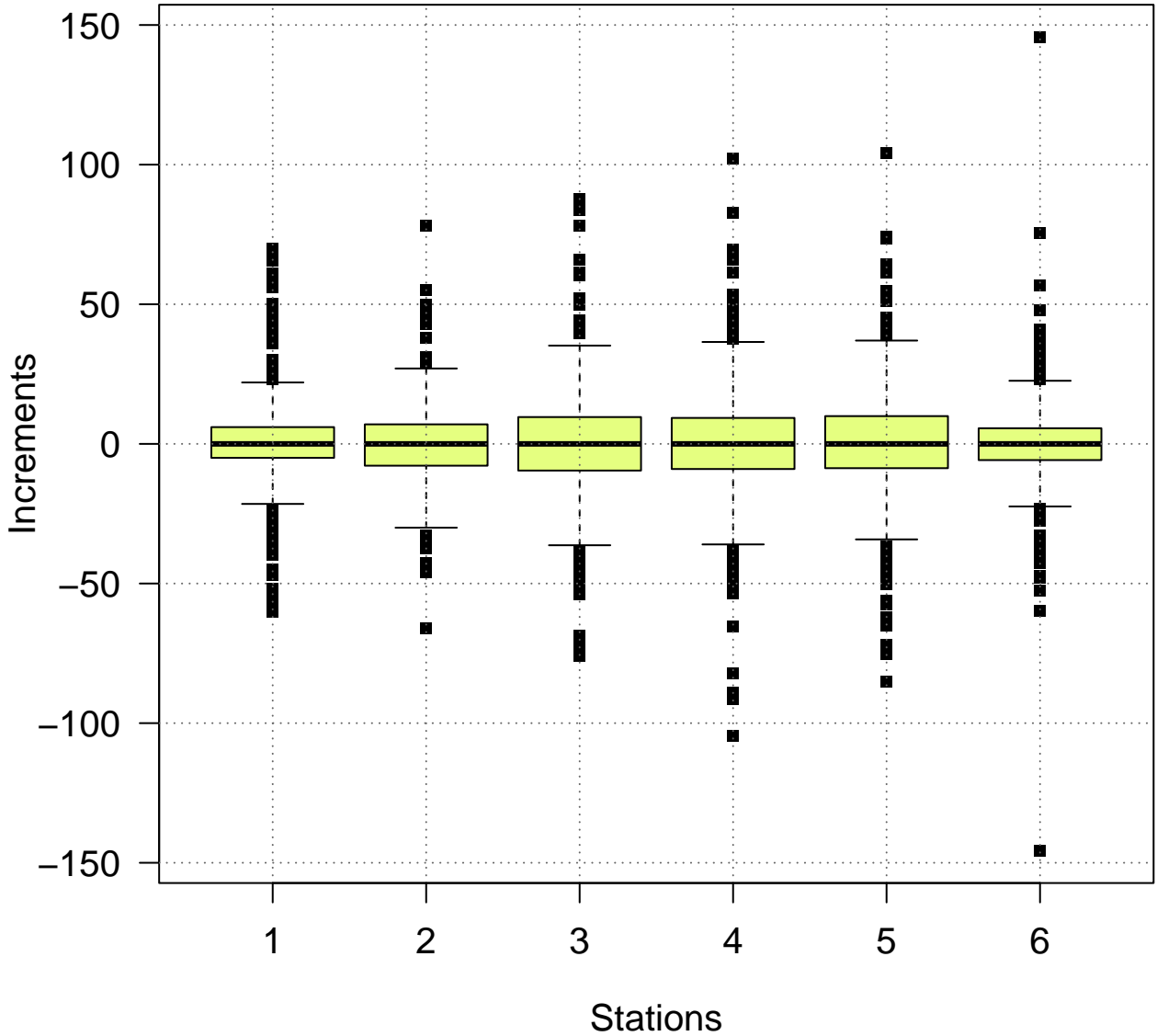
# CLIMATOL 4.1.0

Homogenization  
graphic output of  
precipitation  
1983–2019

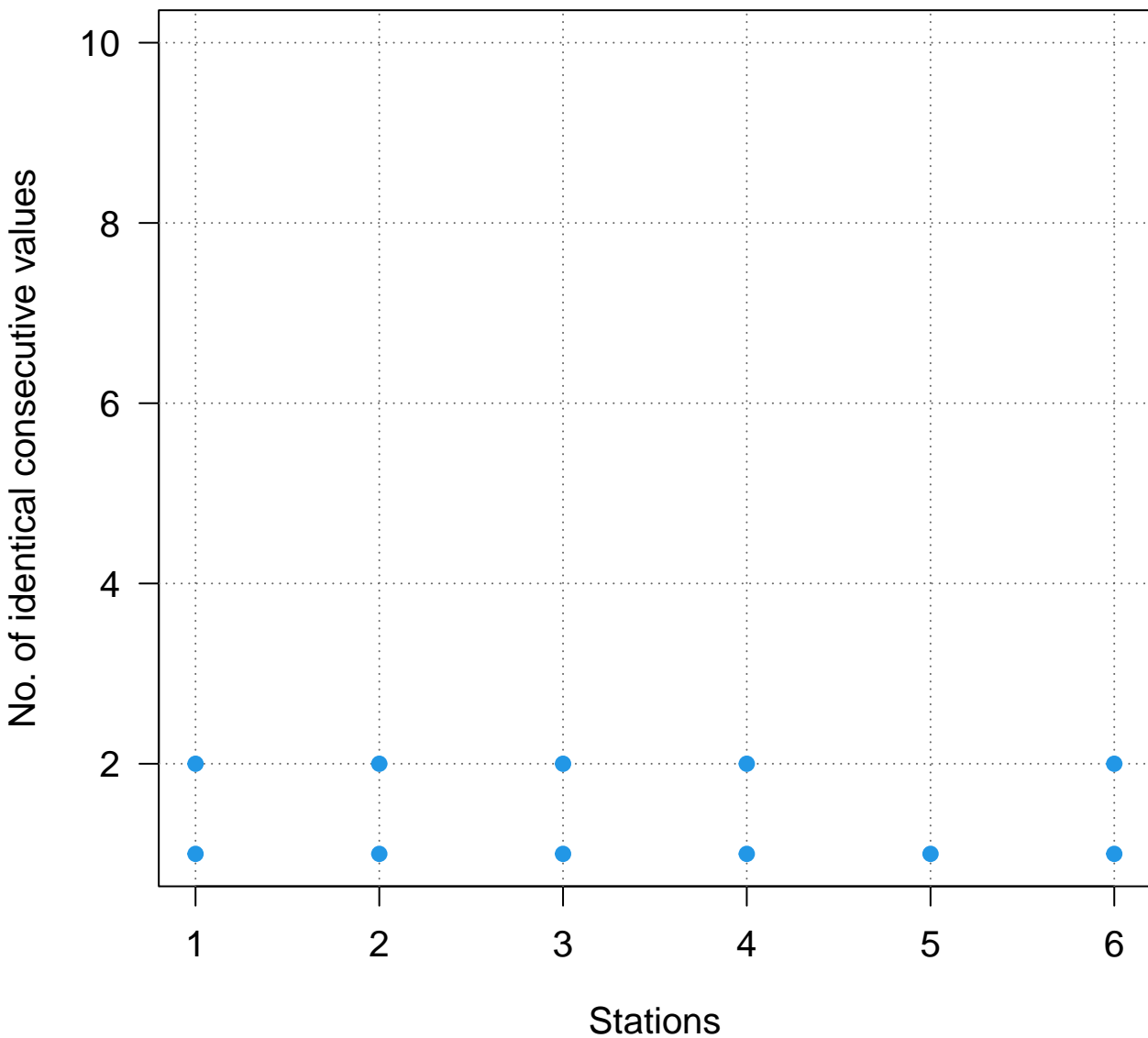
# precipitation data



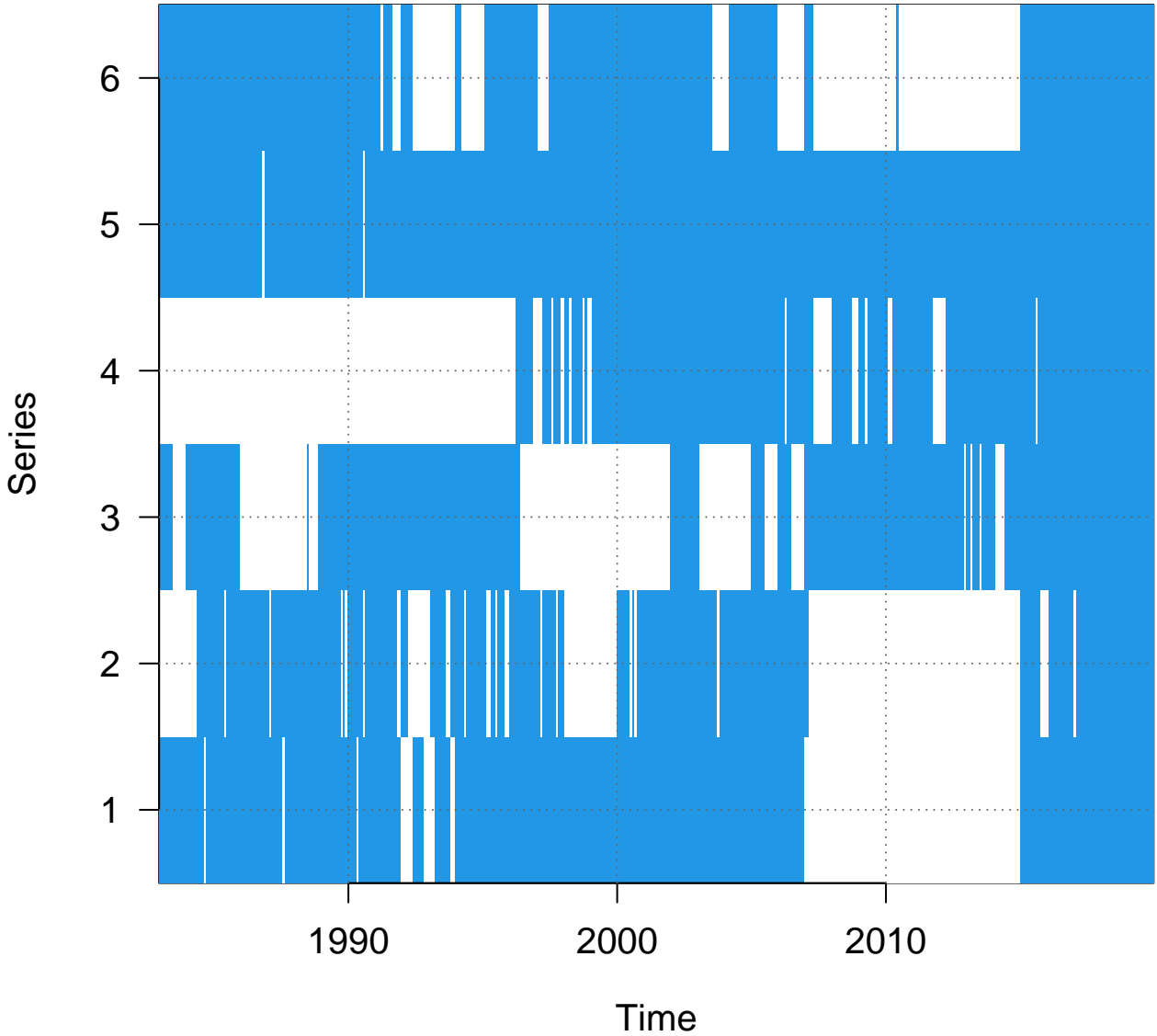
# precipitacion data increments



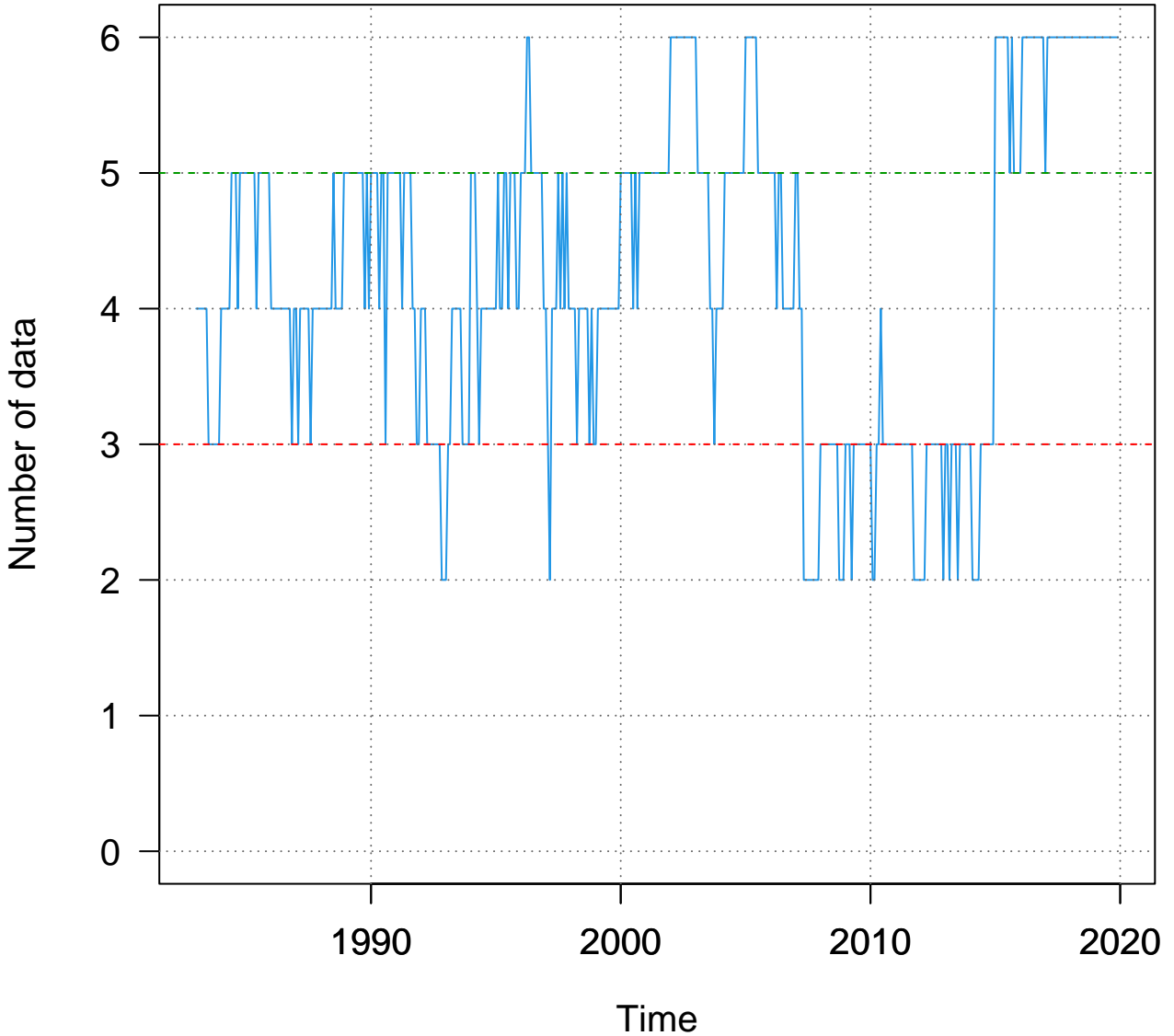
# precipitacion run lengths



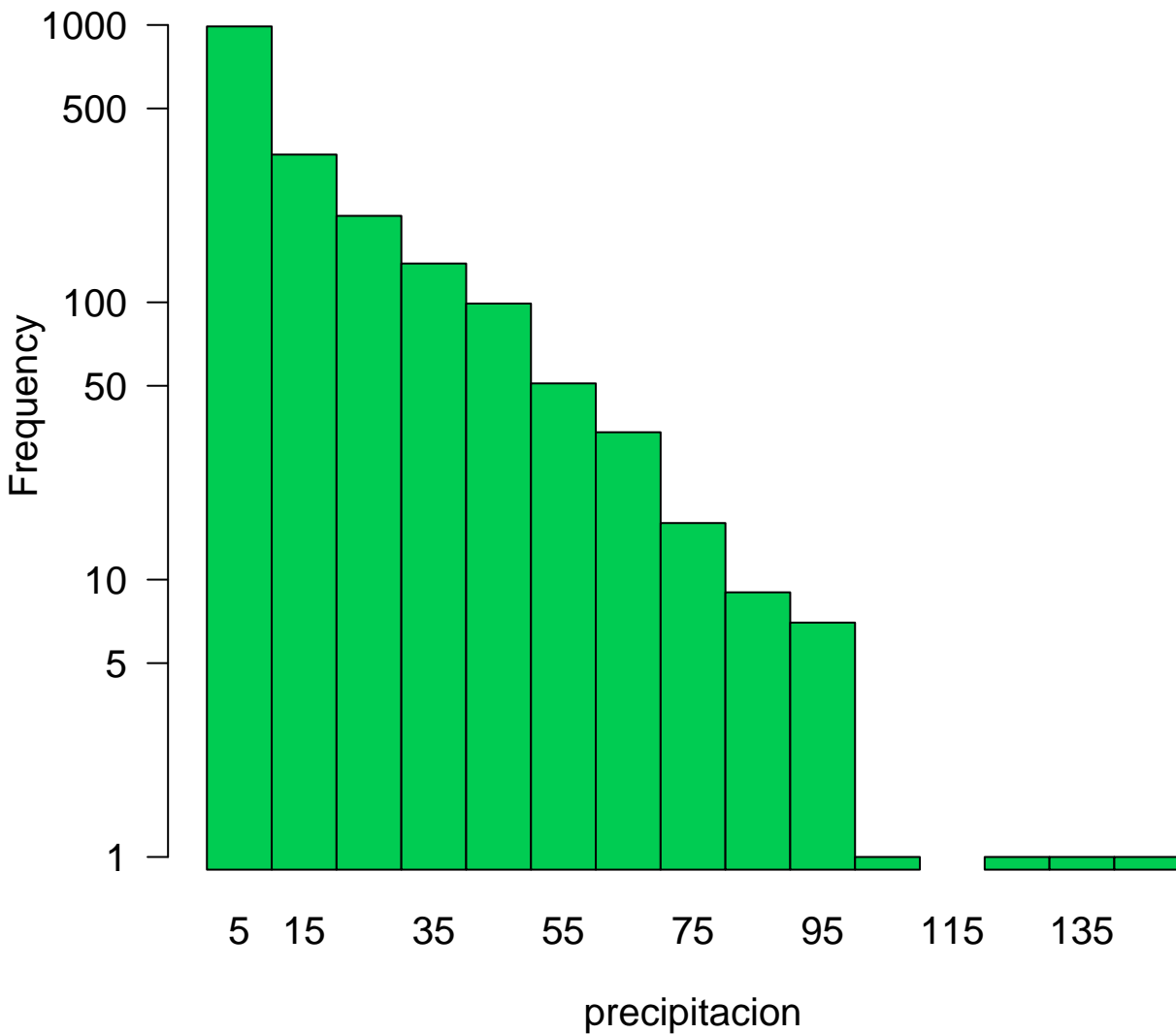
# precipitacion data availability



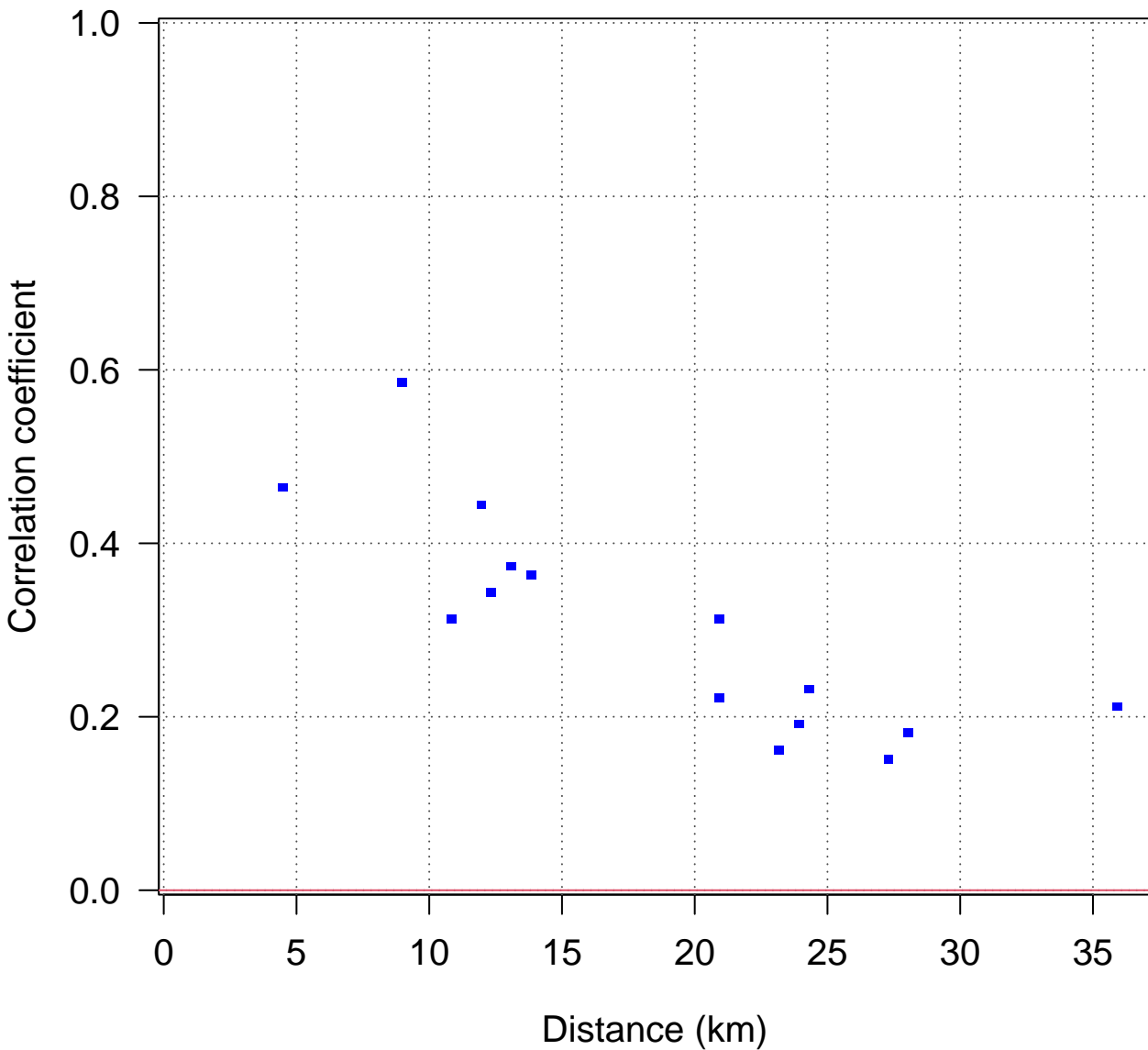
**Number of precipitation data in all stations**



**Histogram of all data**

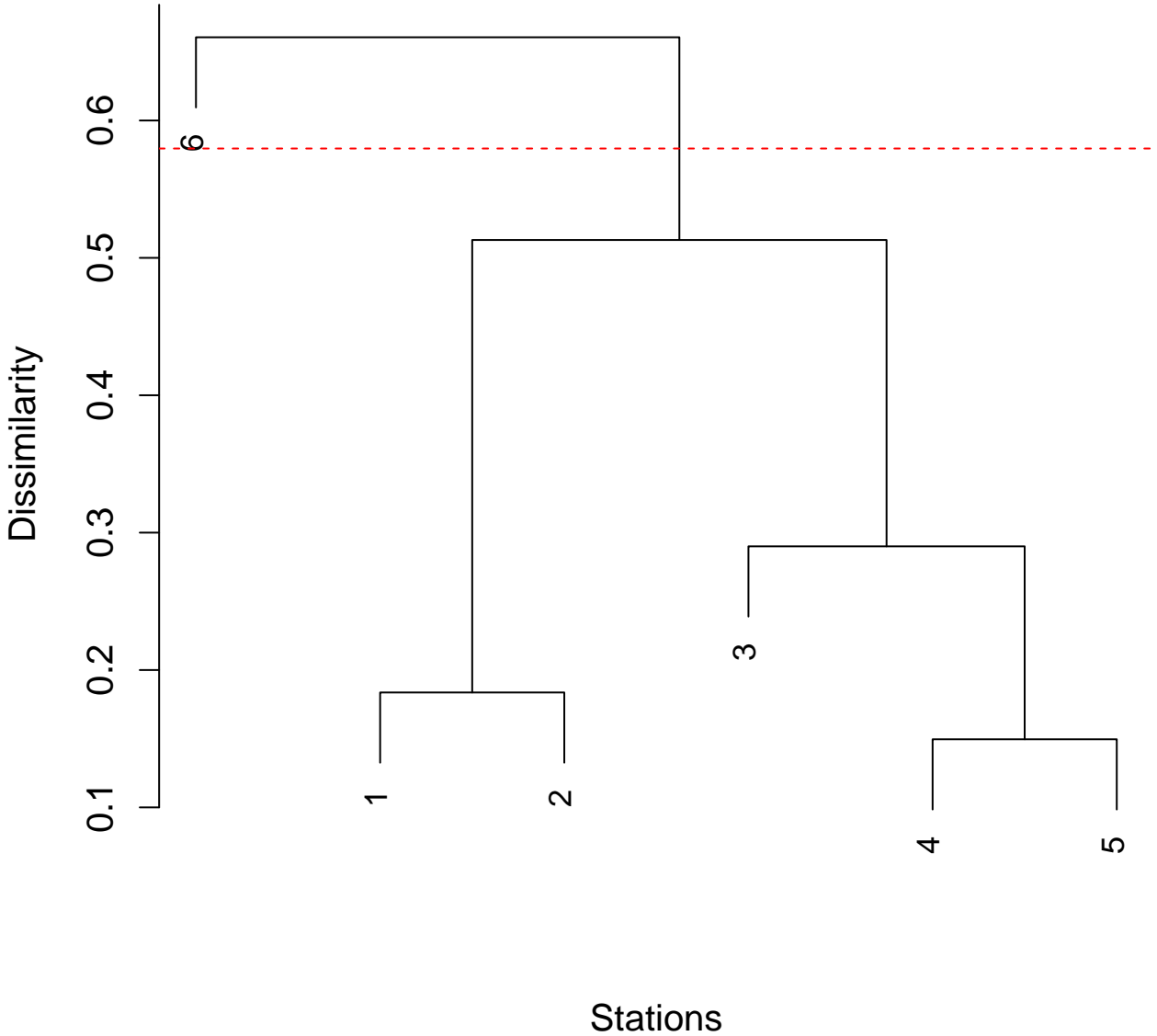


**Correlogram of first difference precipitation series**

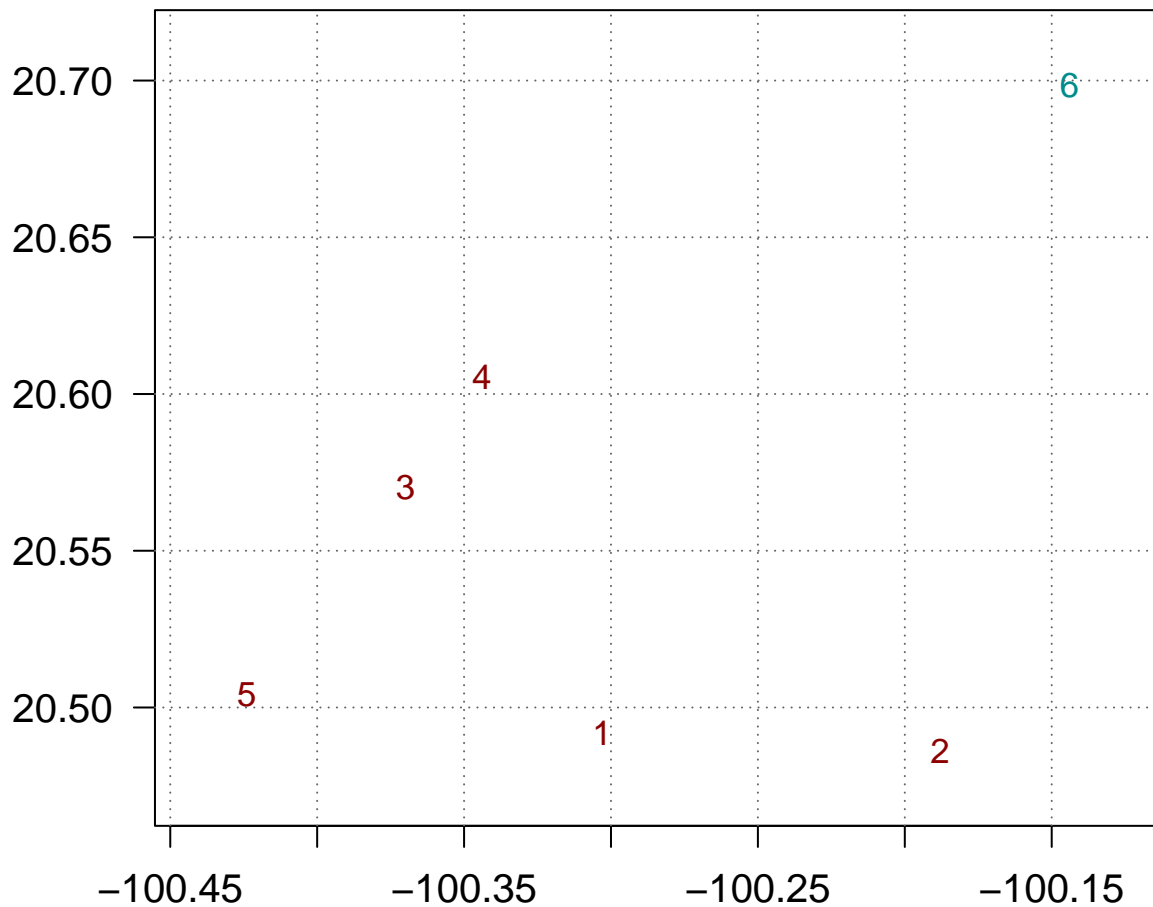




# Dendrogram of station clusters



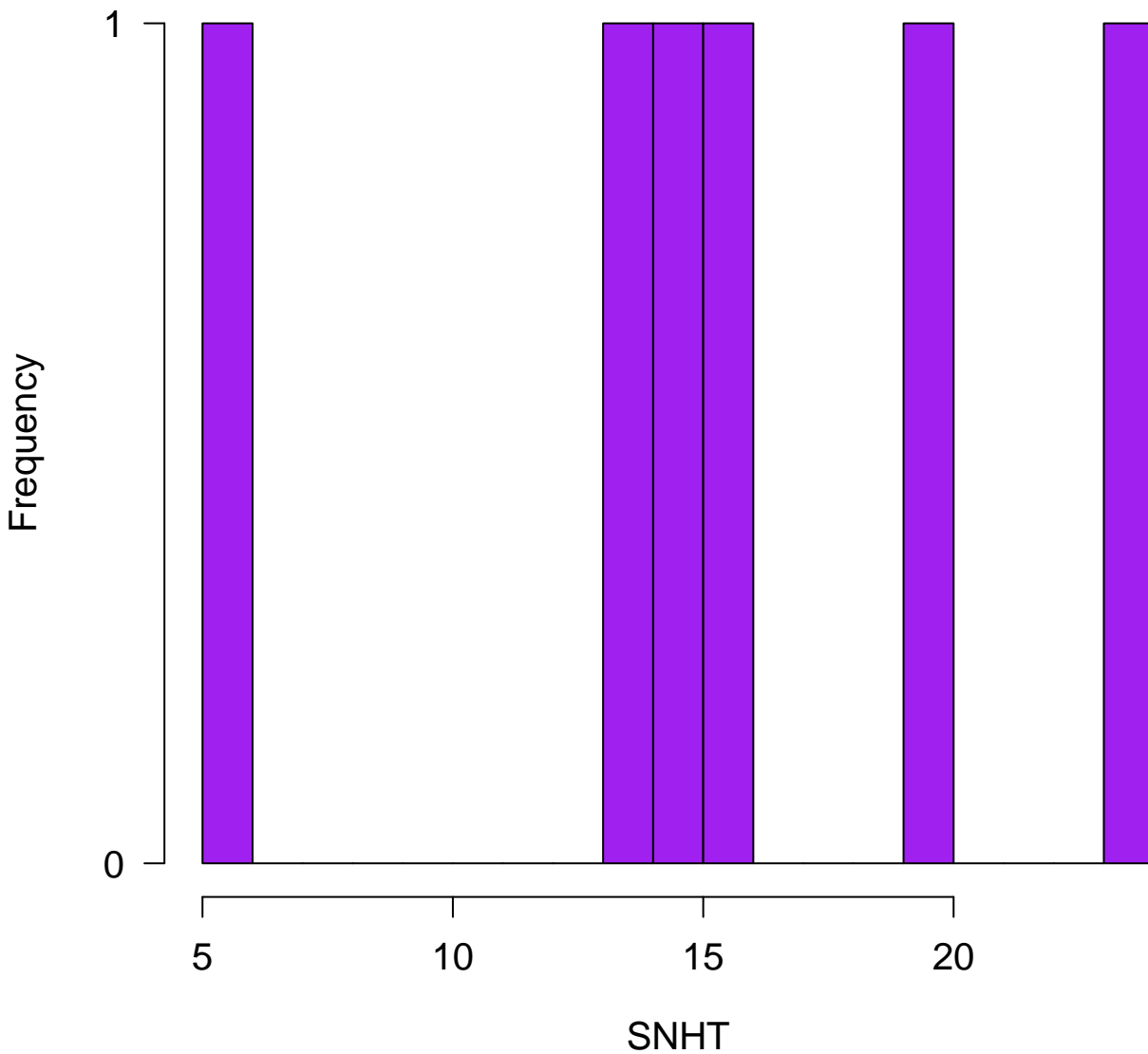
## precipitacion station locations (2 clusters)



# Stage 1

Binary splits on 60 terms  
stepped windows with  
std=2, SNHT>25  
and wd=0 km

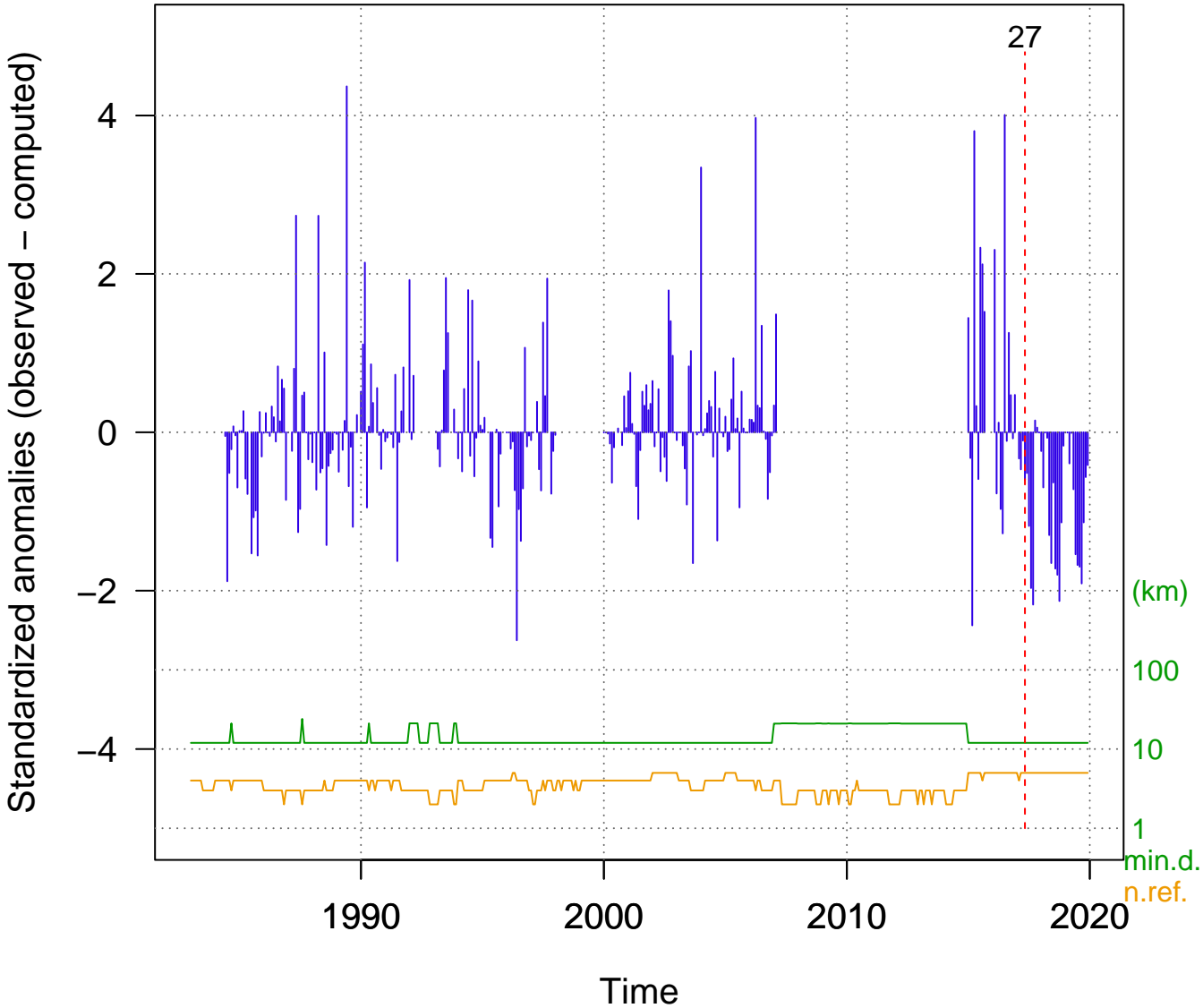
**Histogram of maximum SNHT (Stage 1)**



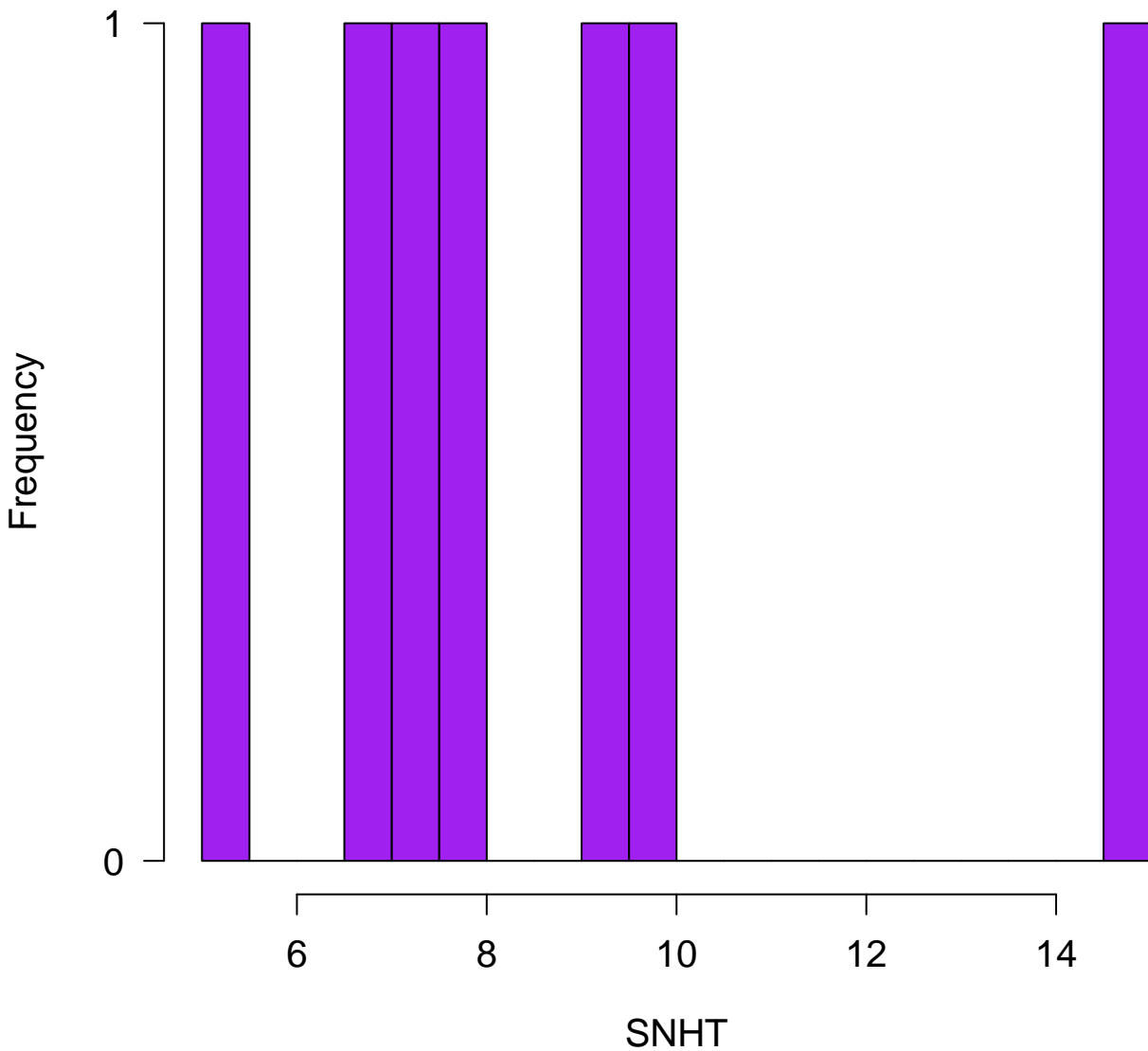
# Stage 2

Binary splits on  
whole series with  
 $\text{std}=2$ ,  $\text{SNHT}>25$   
and  $\text{wd}=0$  km

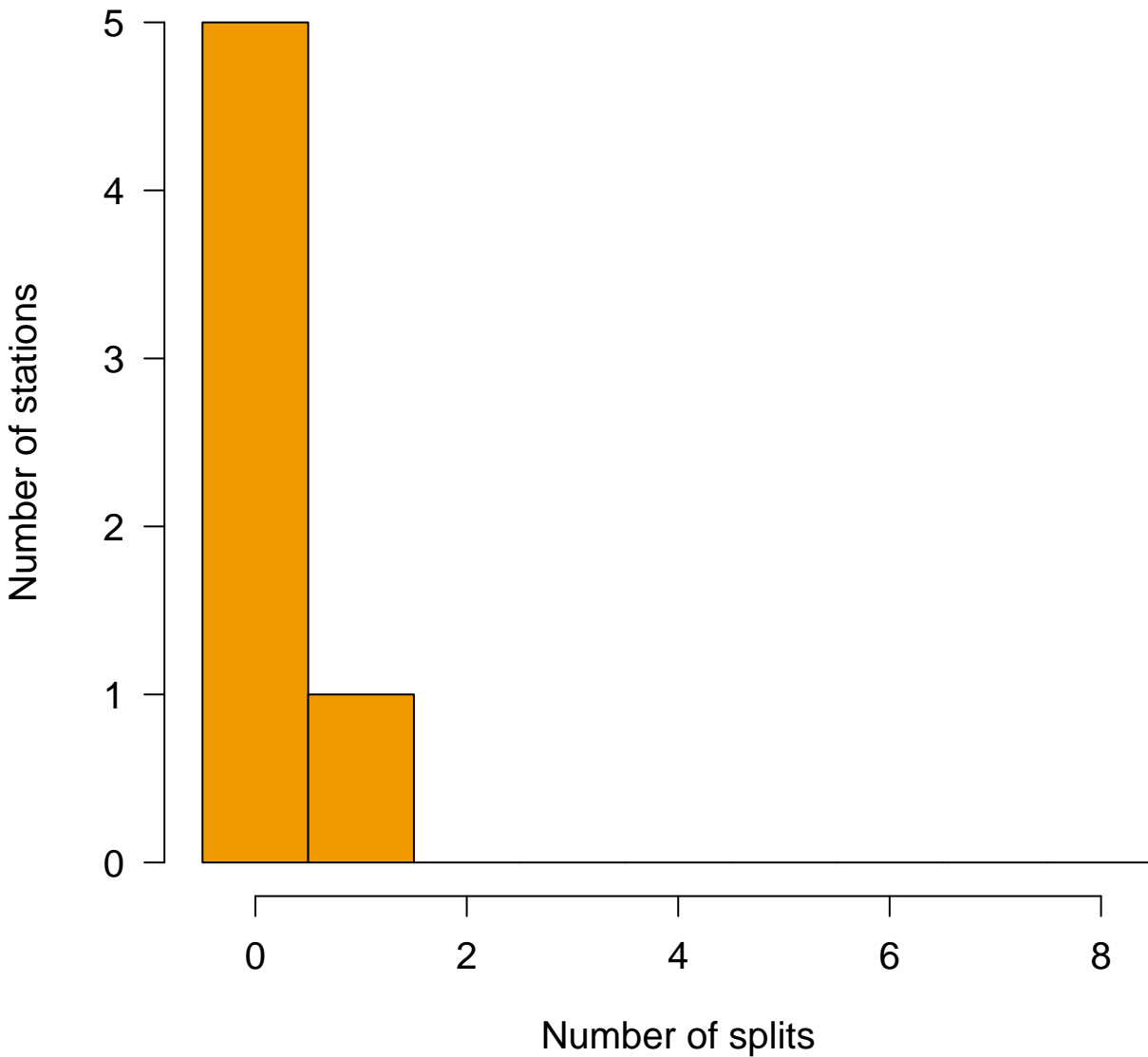
# precipitacion 2 (22067) La Venta



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

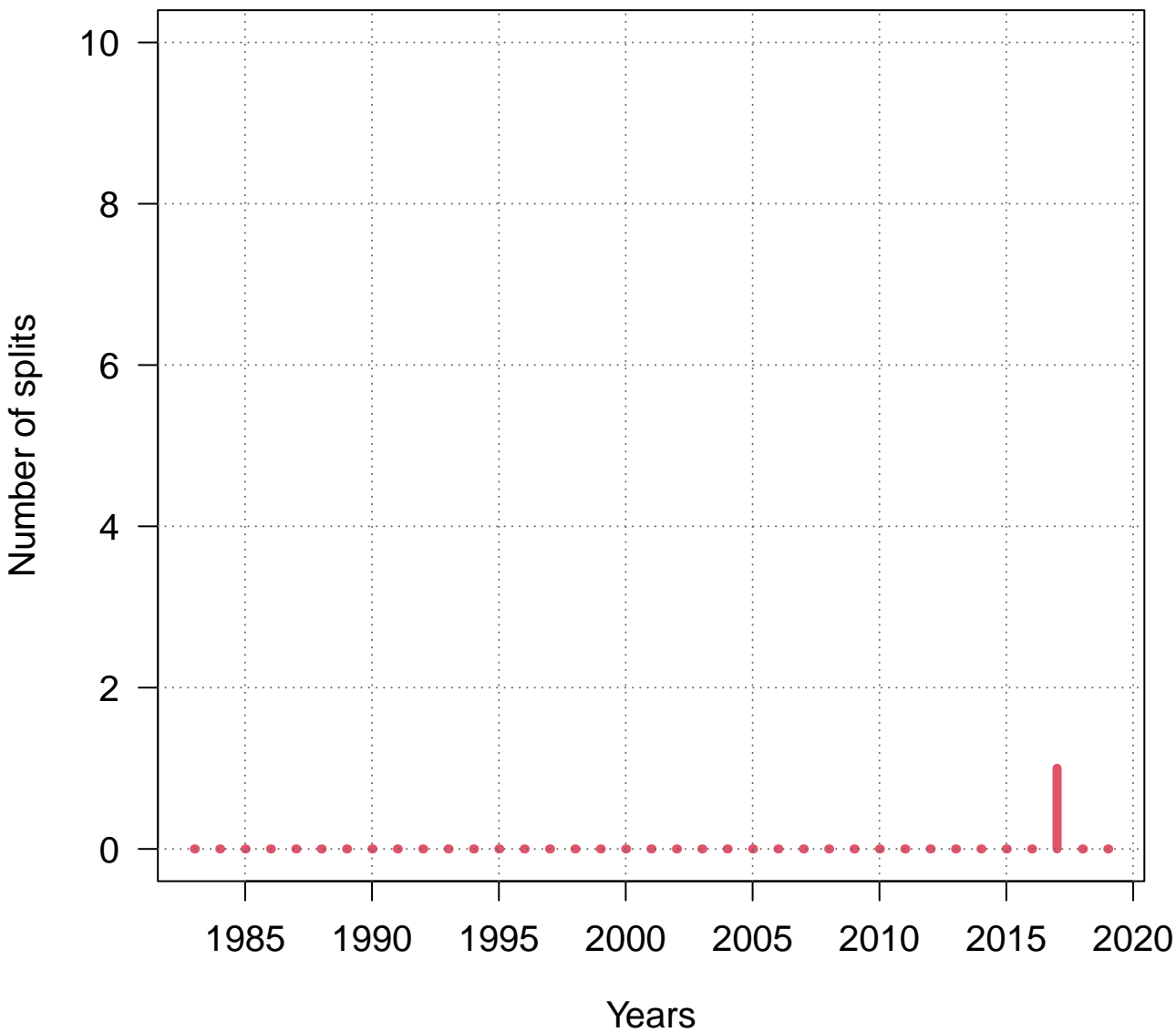


## Number of splits per station





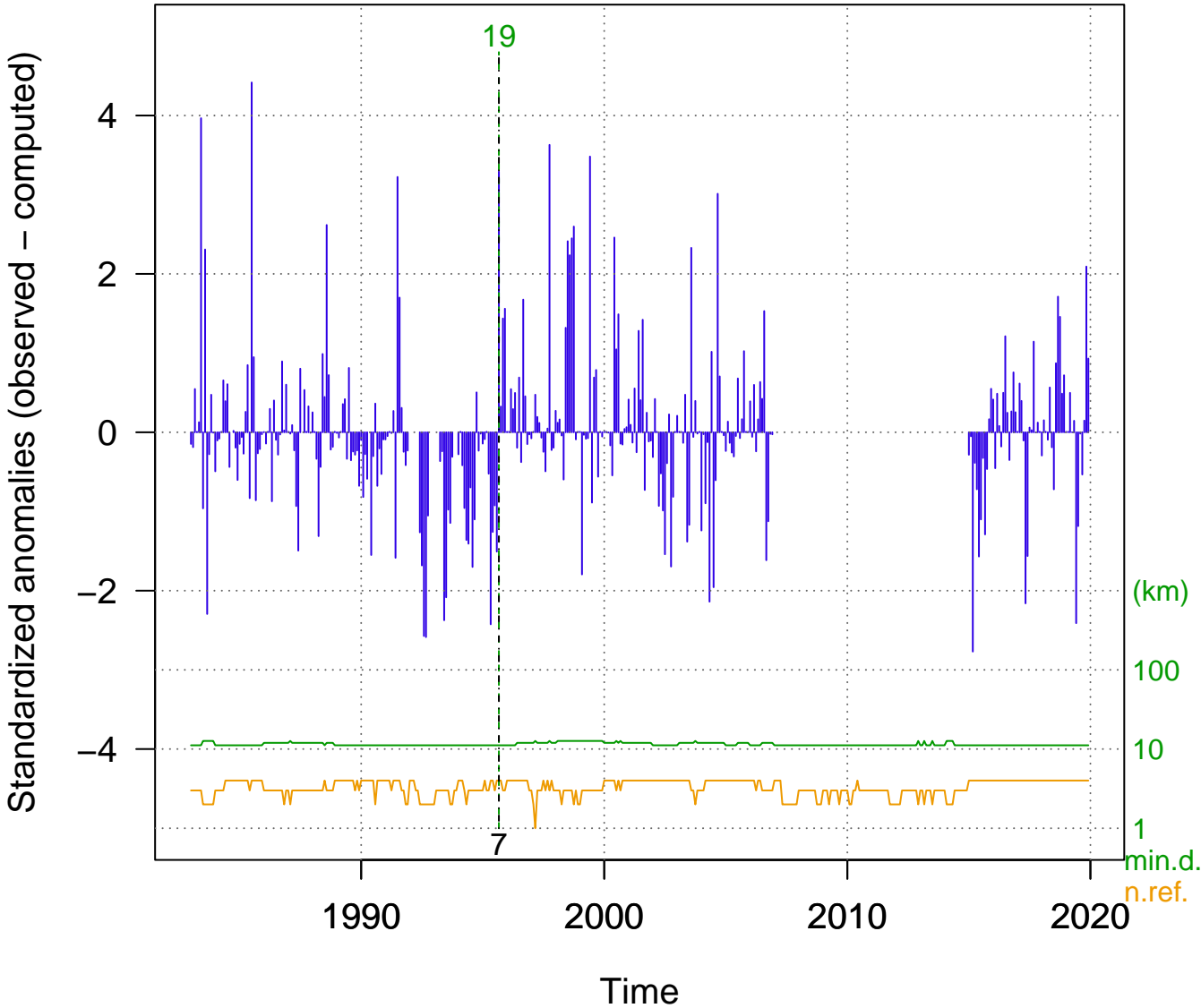
# Number of splits per year



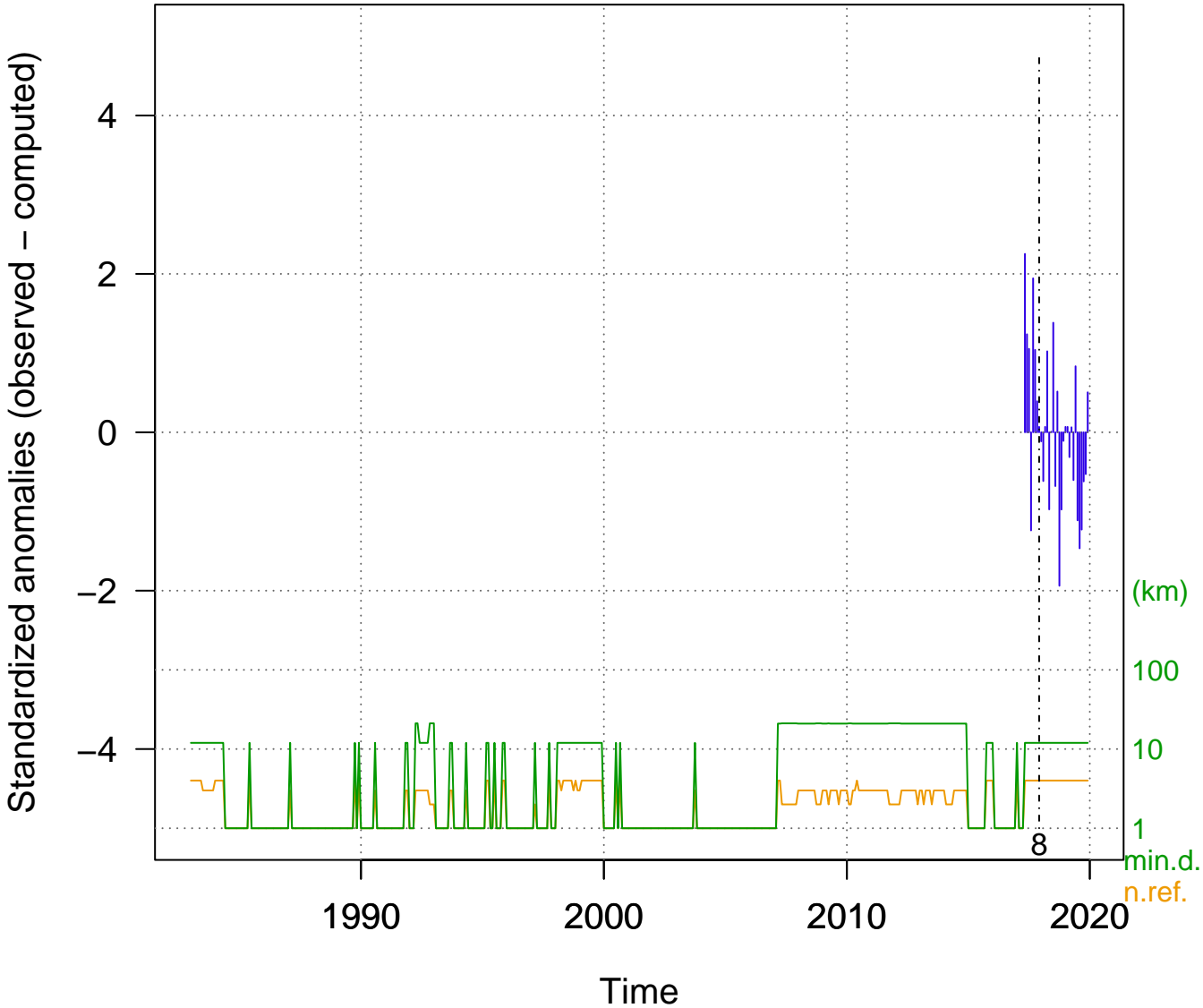
# Stage 3

Final anomalies of the  
homogenized series with  
 $wd = 100$  km and  $nref = 4$

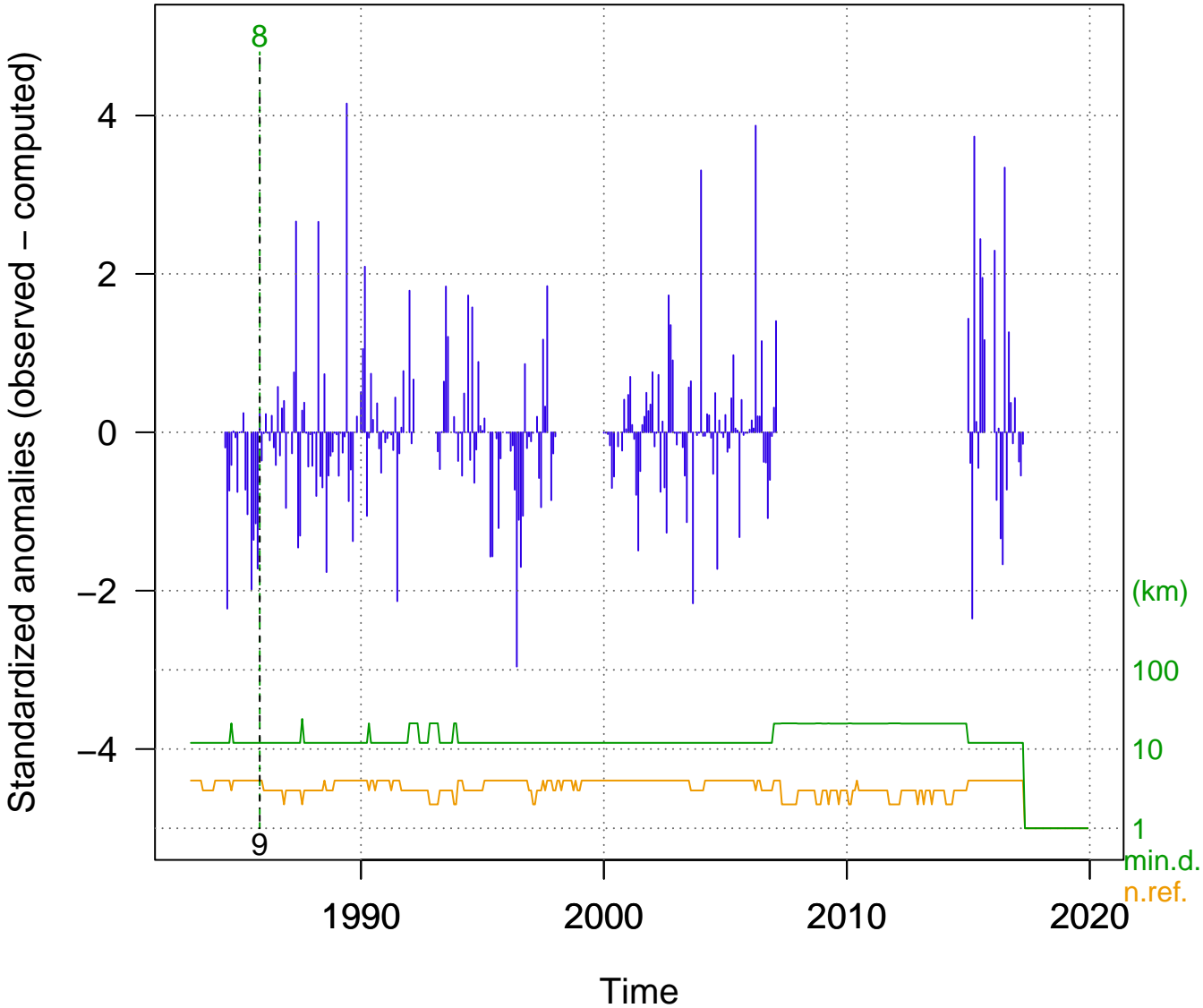
# precipitacion 1 (22058) Santa Teresa



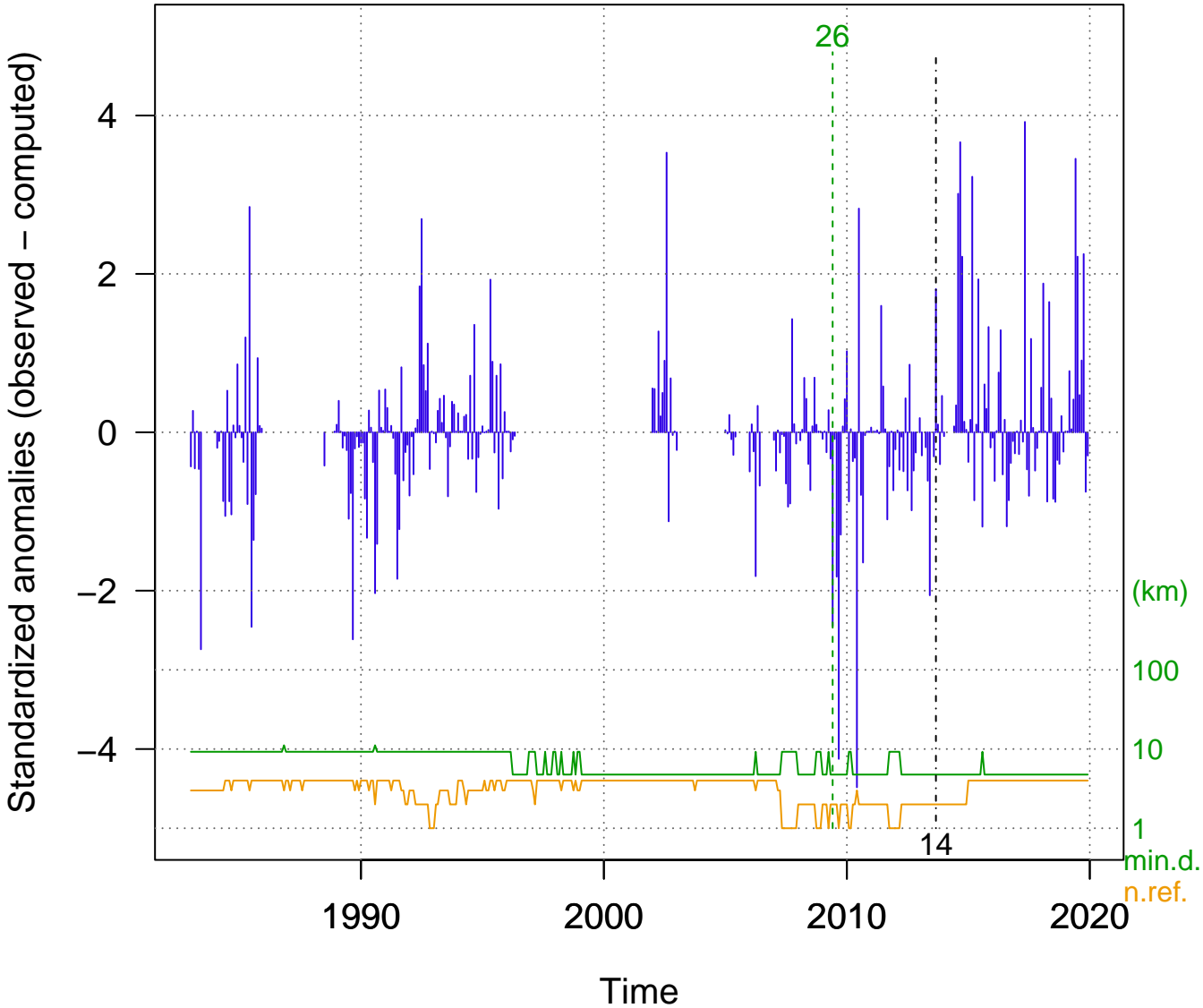
# precipitacion 2 (22067) La Venta



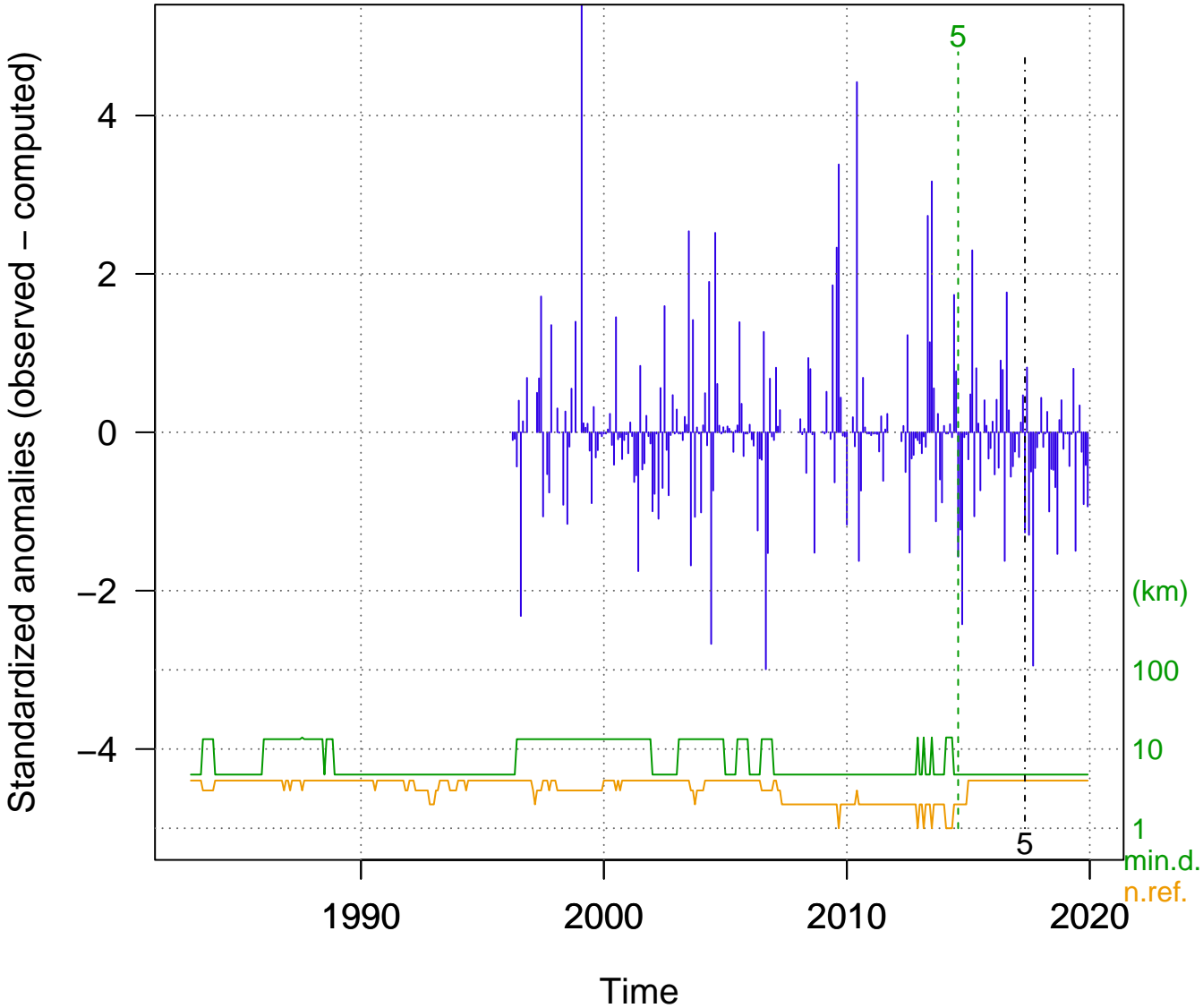
# precipitacion 7 (22067-2) La Venta-2



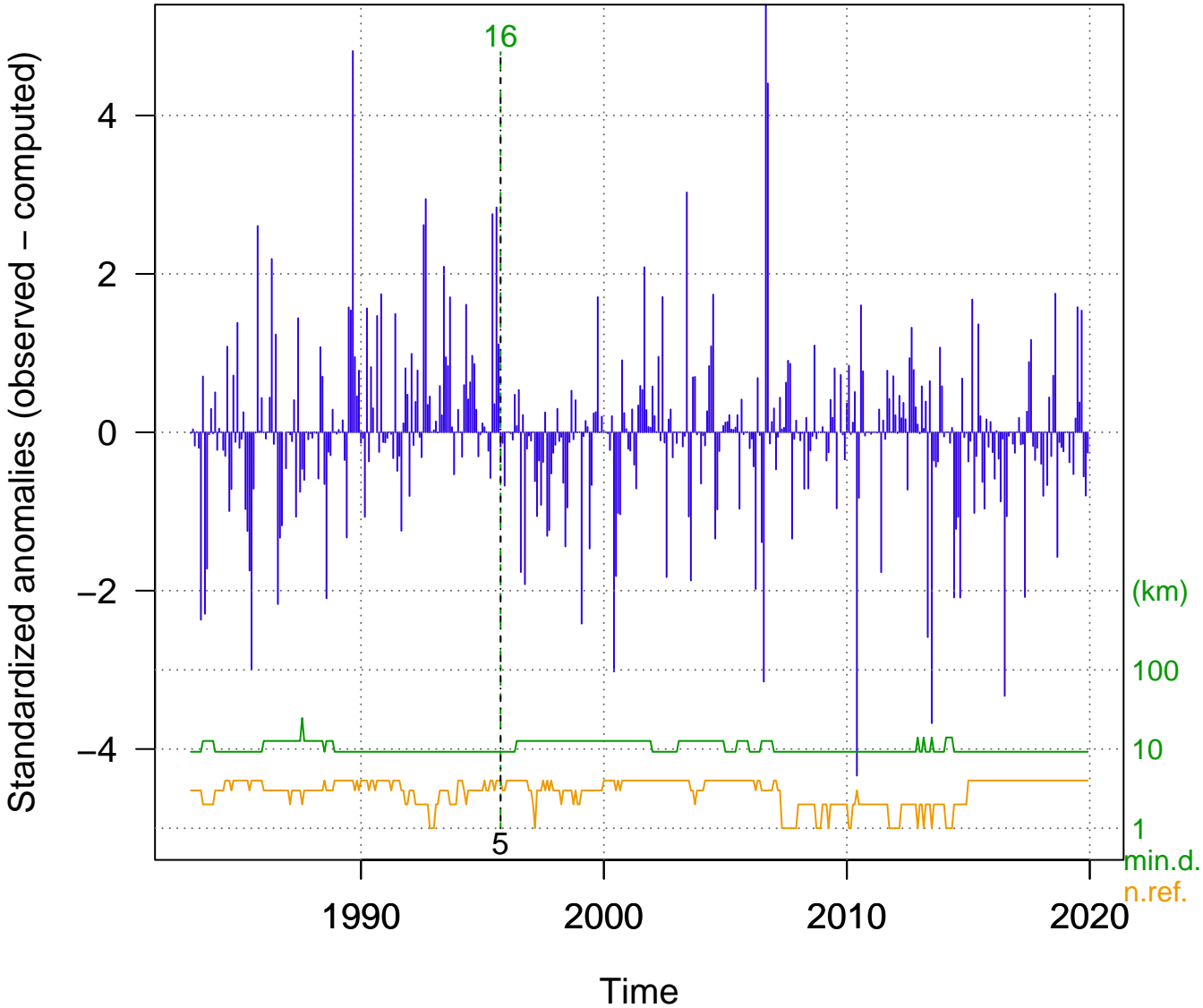
# precipitacion 3 (22063) Queretaro (DGE)



# precipitacion 4 (22070) Plantel 7

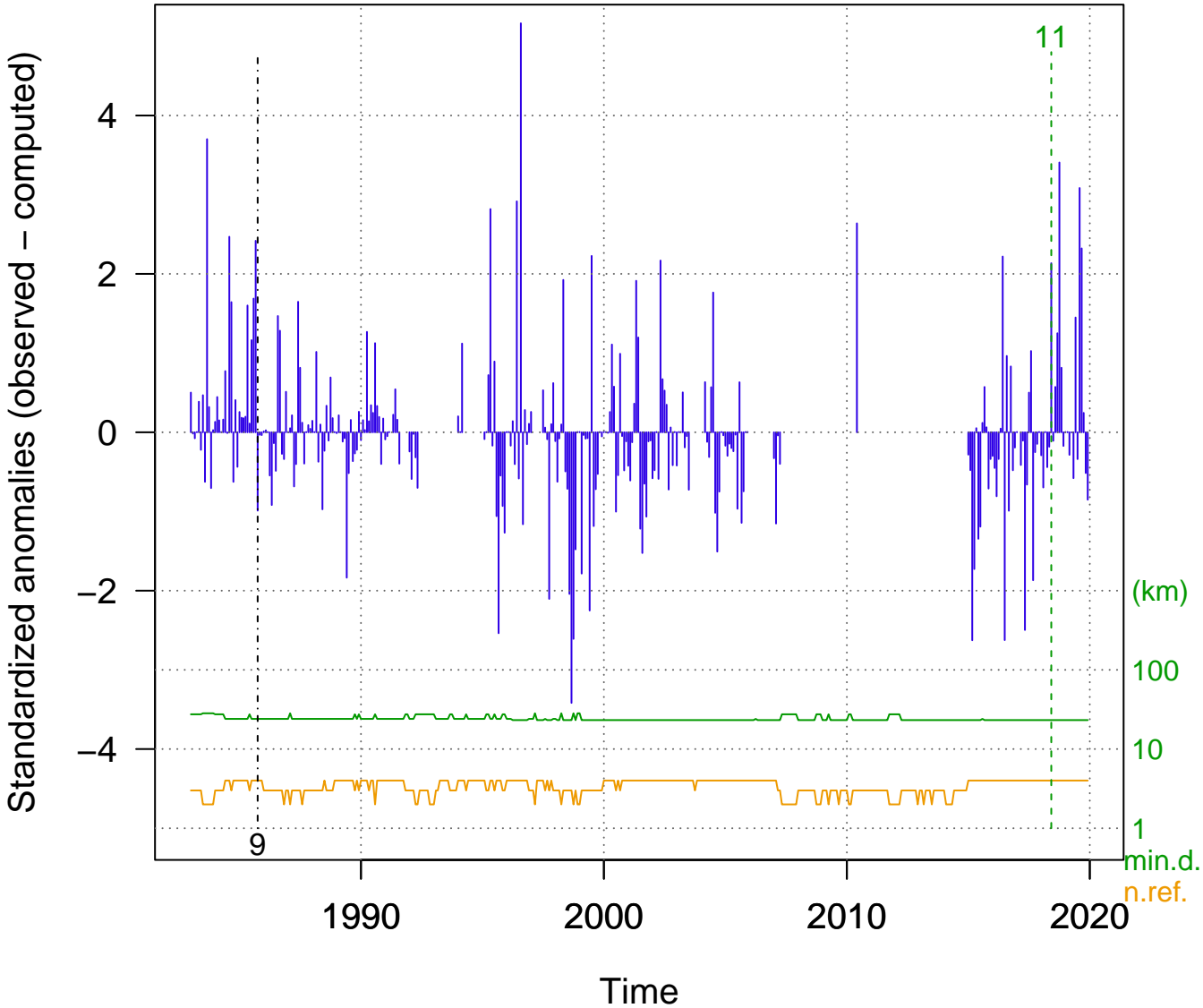


# precipitation 5 (22004) El Batan





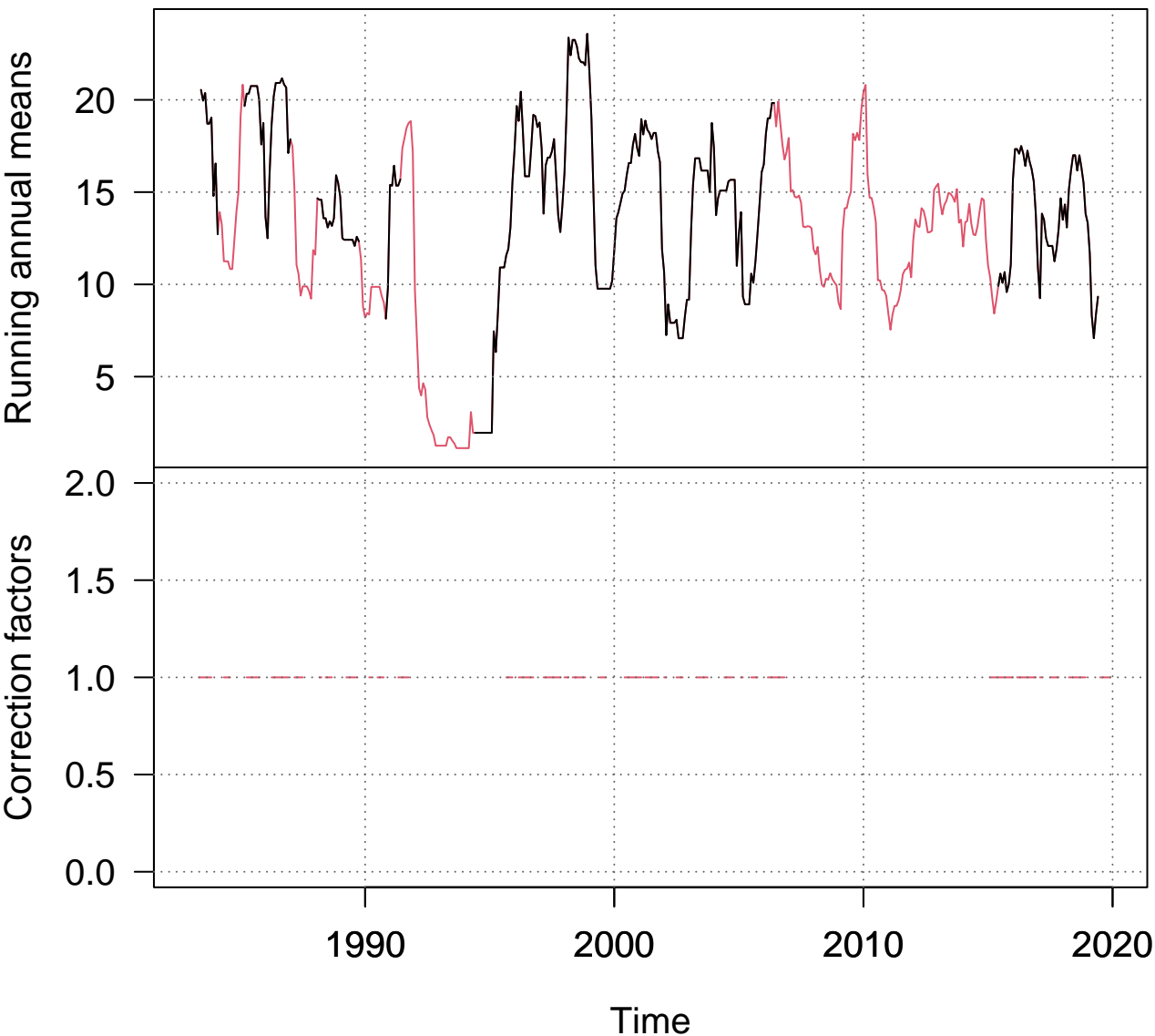
# precipitacion 6 (22046) Nogales



# Final graphics

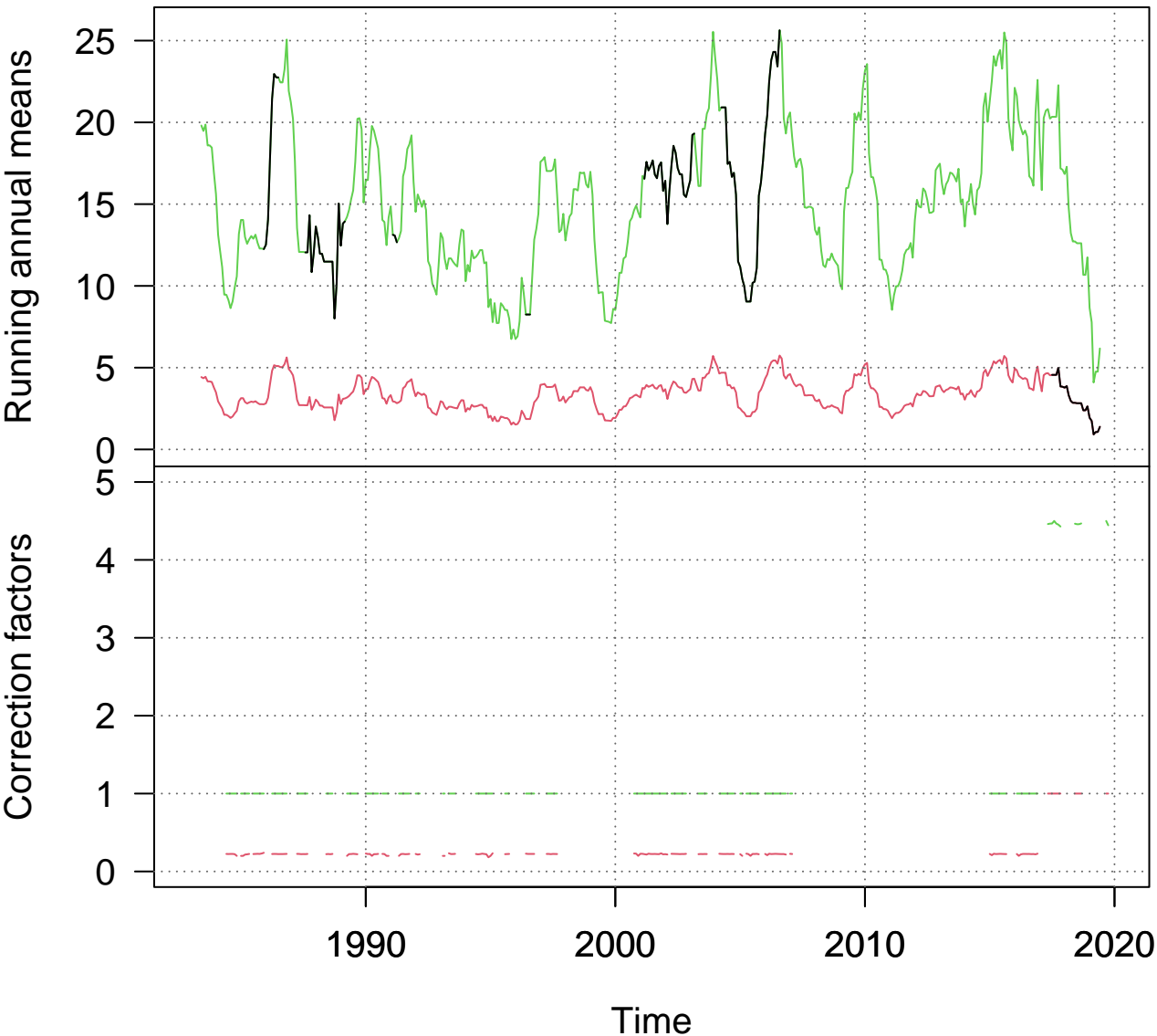
Adjusted series and  
applied corrections

# precipitacion 1 (22058) Santa Teresa

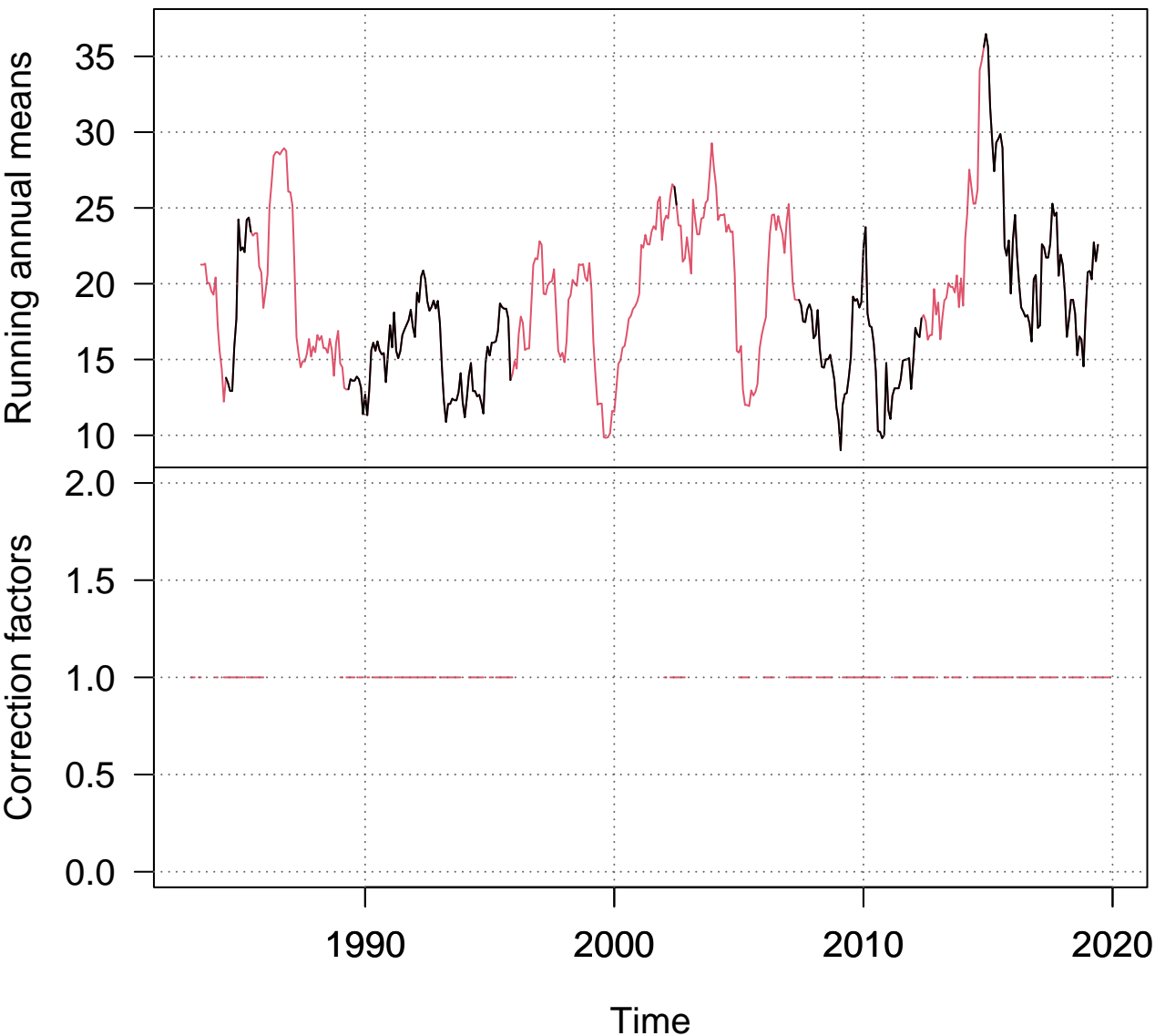


# precipitacion 2 (22067)

La Venta

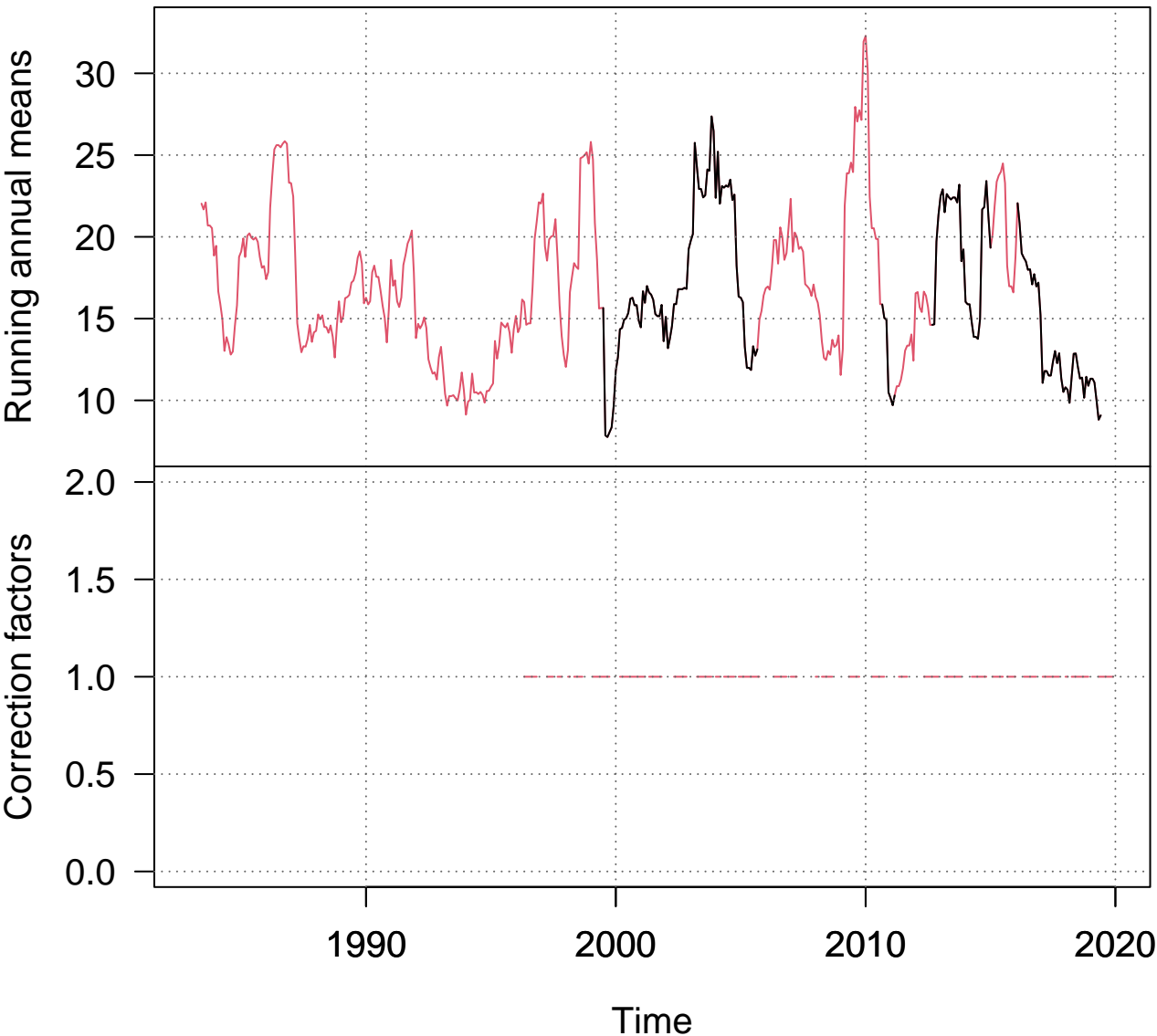


# precipitacion 3 (22063) Queretaro (DGE)



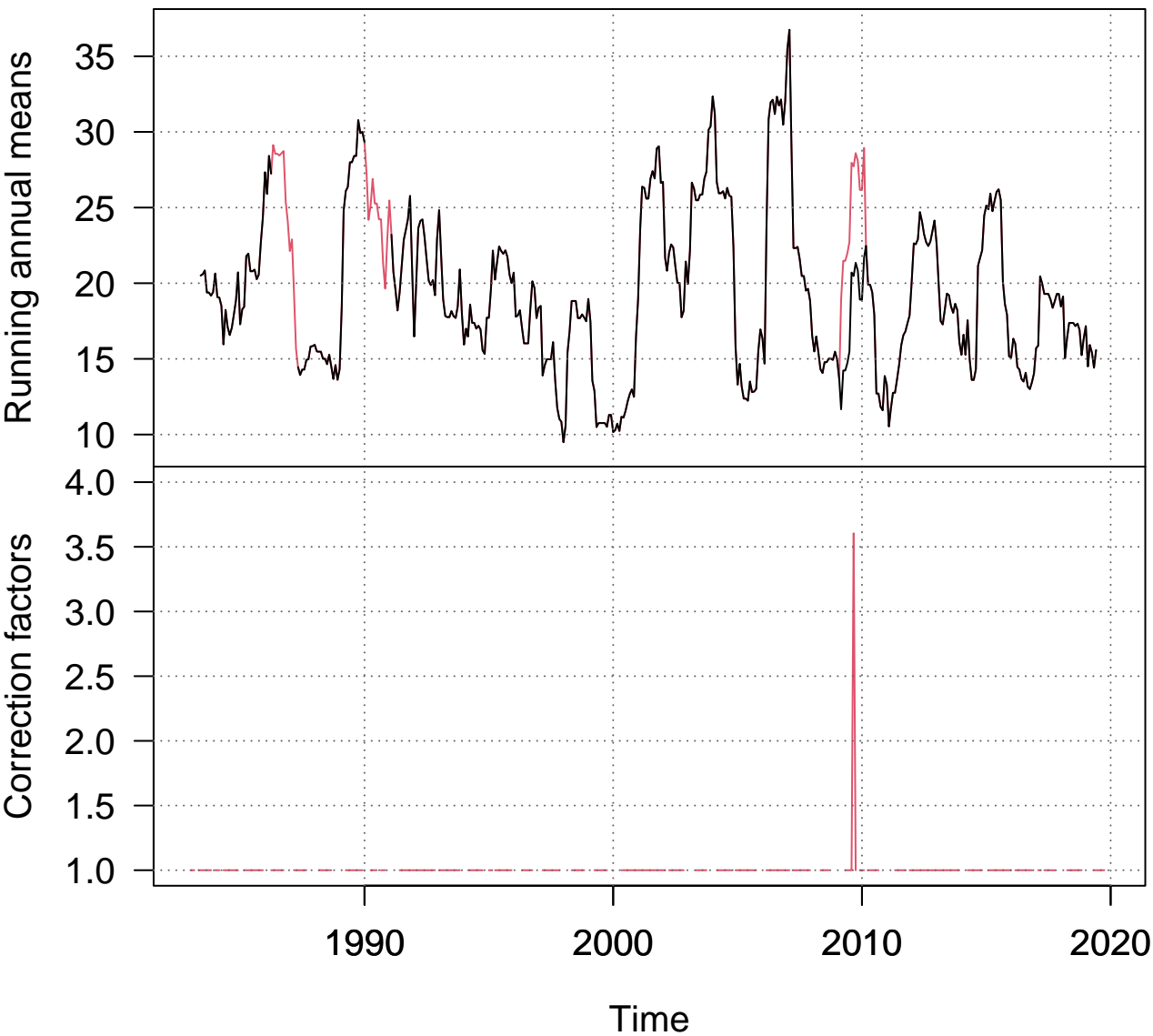
# precipitation 4 (22070)

## Plantel 7

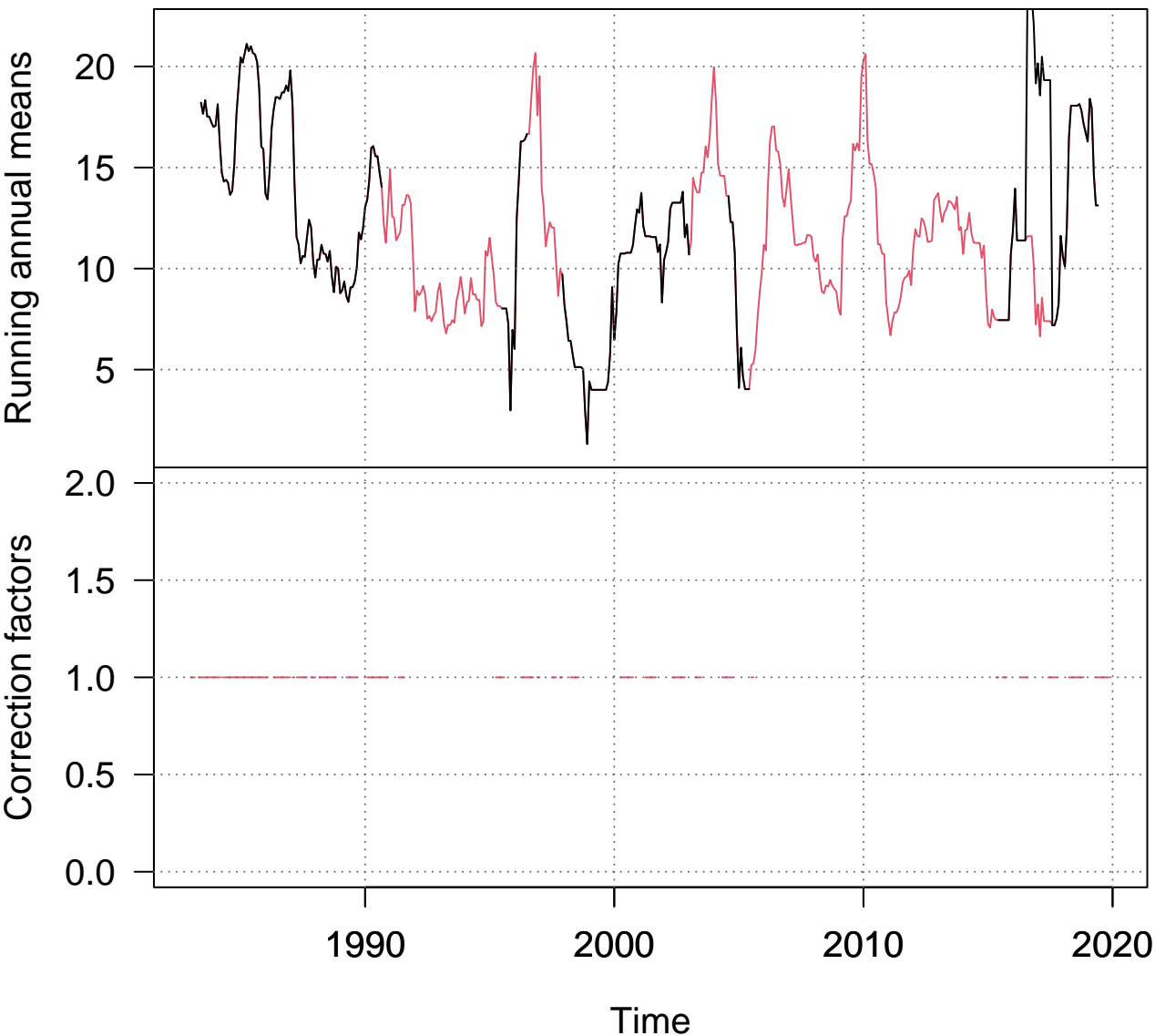


# precipitacion 5 (22004)

El Batan

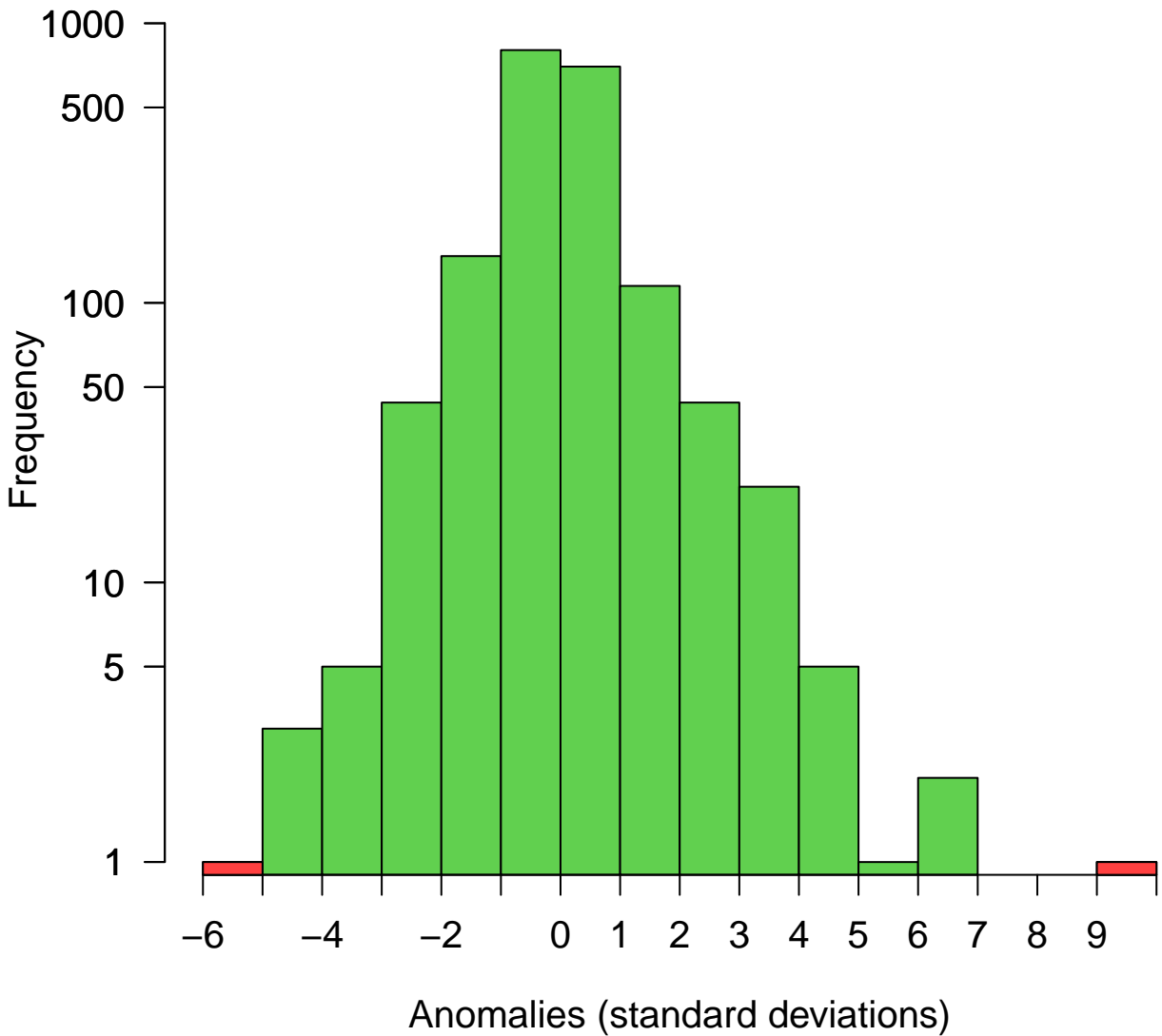


# precipitation 6 (22046) Nogales

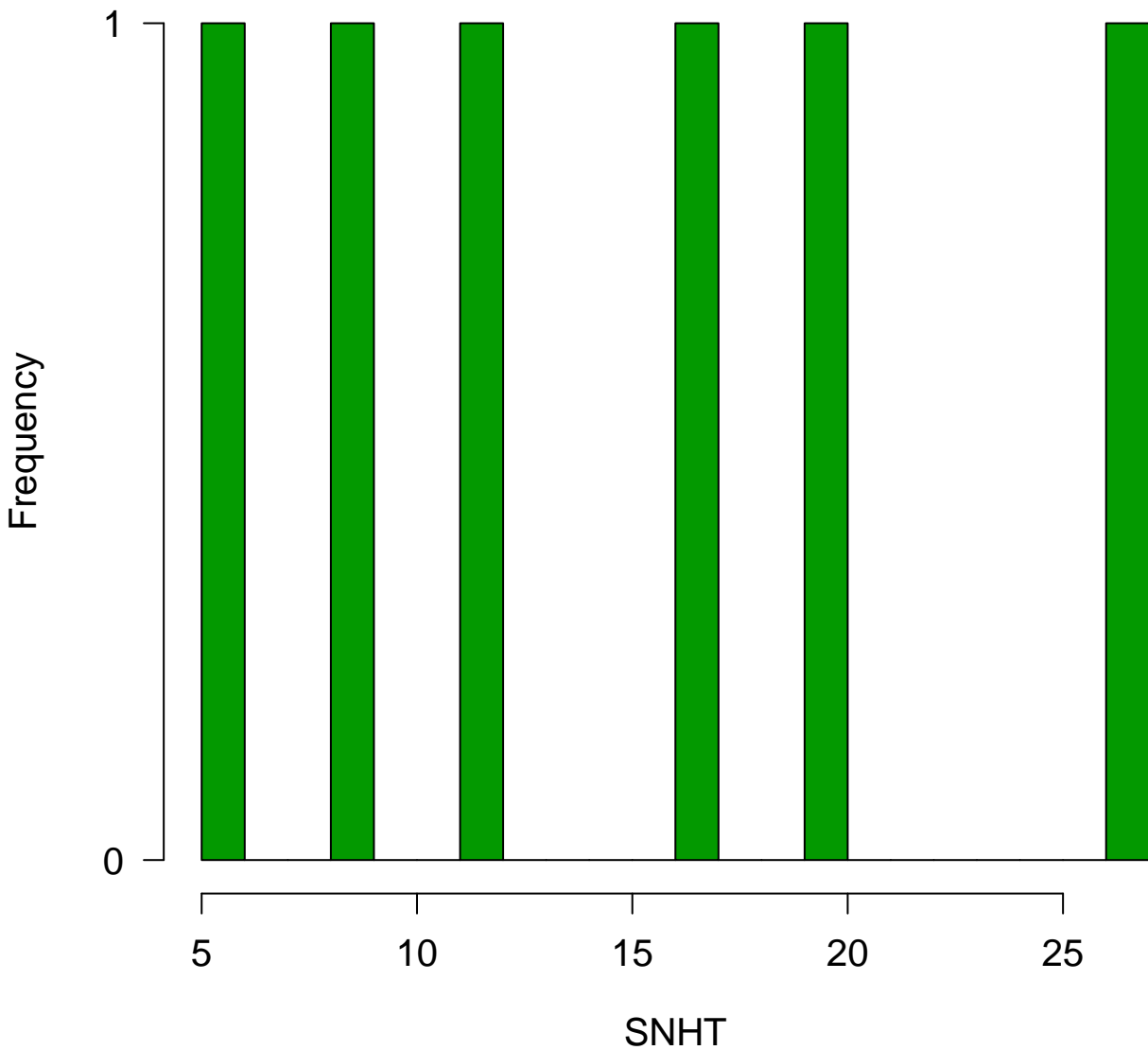




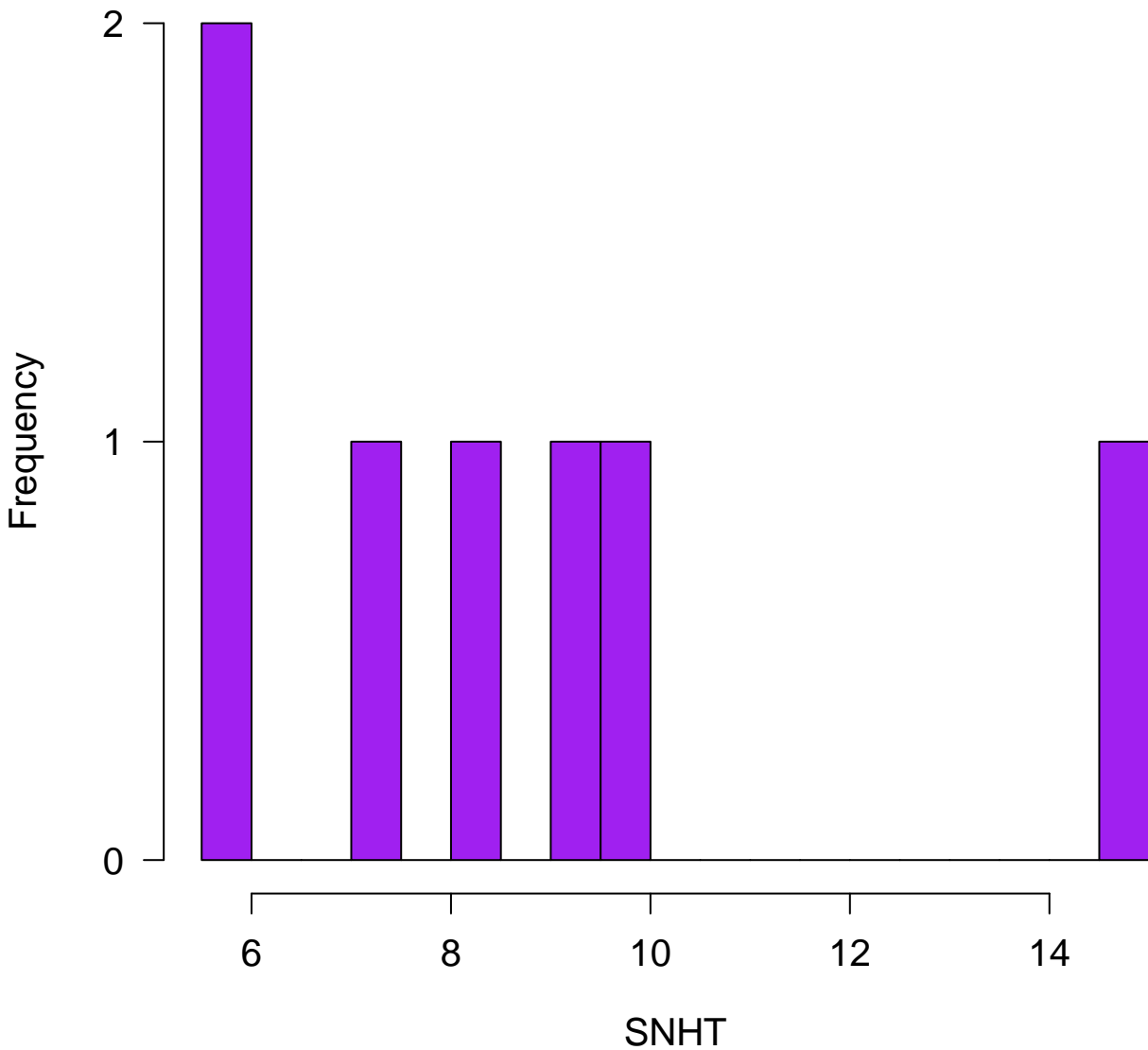
# Histogram of standardized anomalies



**Histogram of maximum windowed SNHT**



**Histogram of maximum global SNHT**



# Station's quality/singularity

