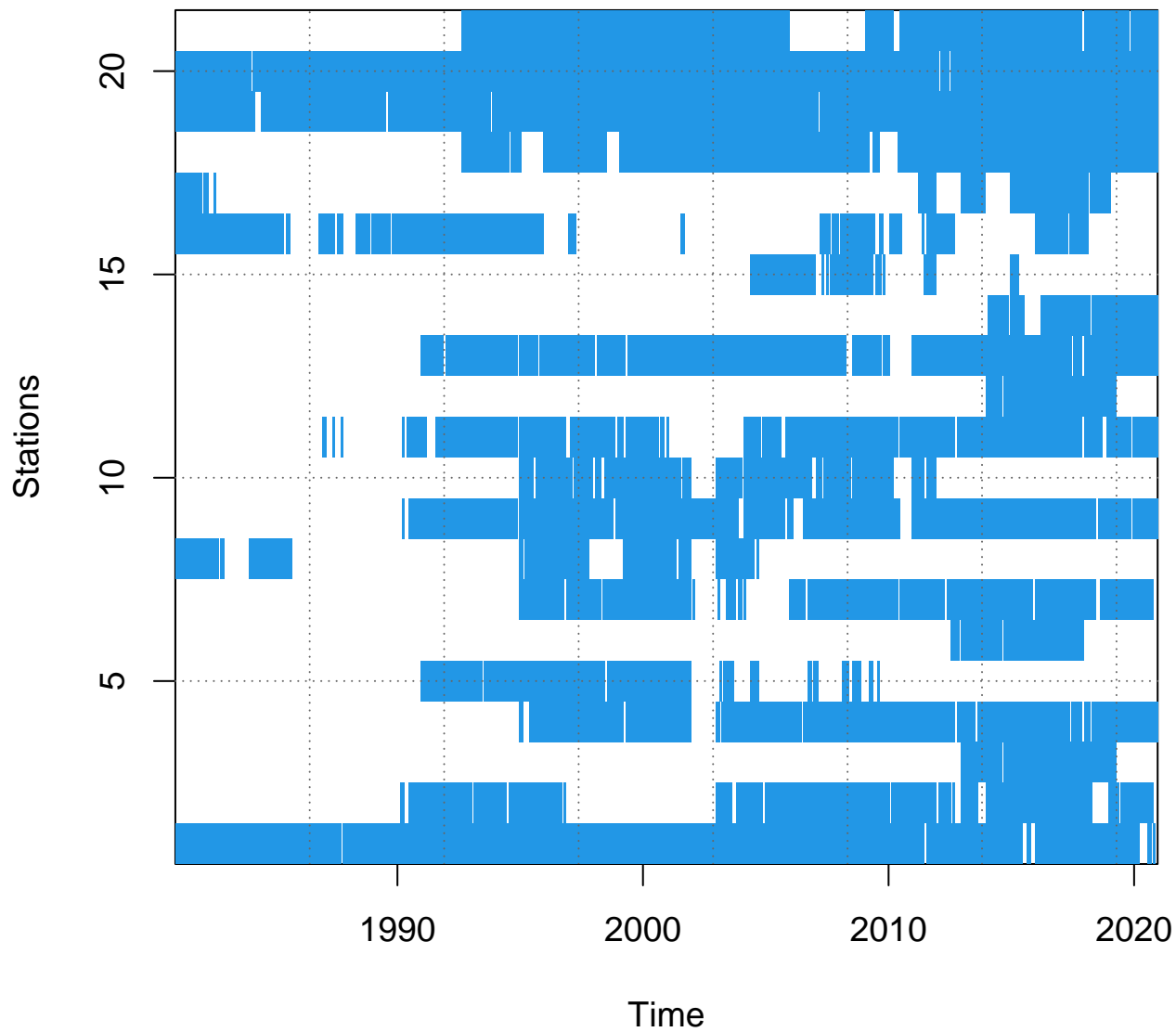


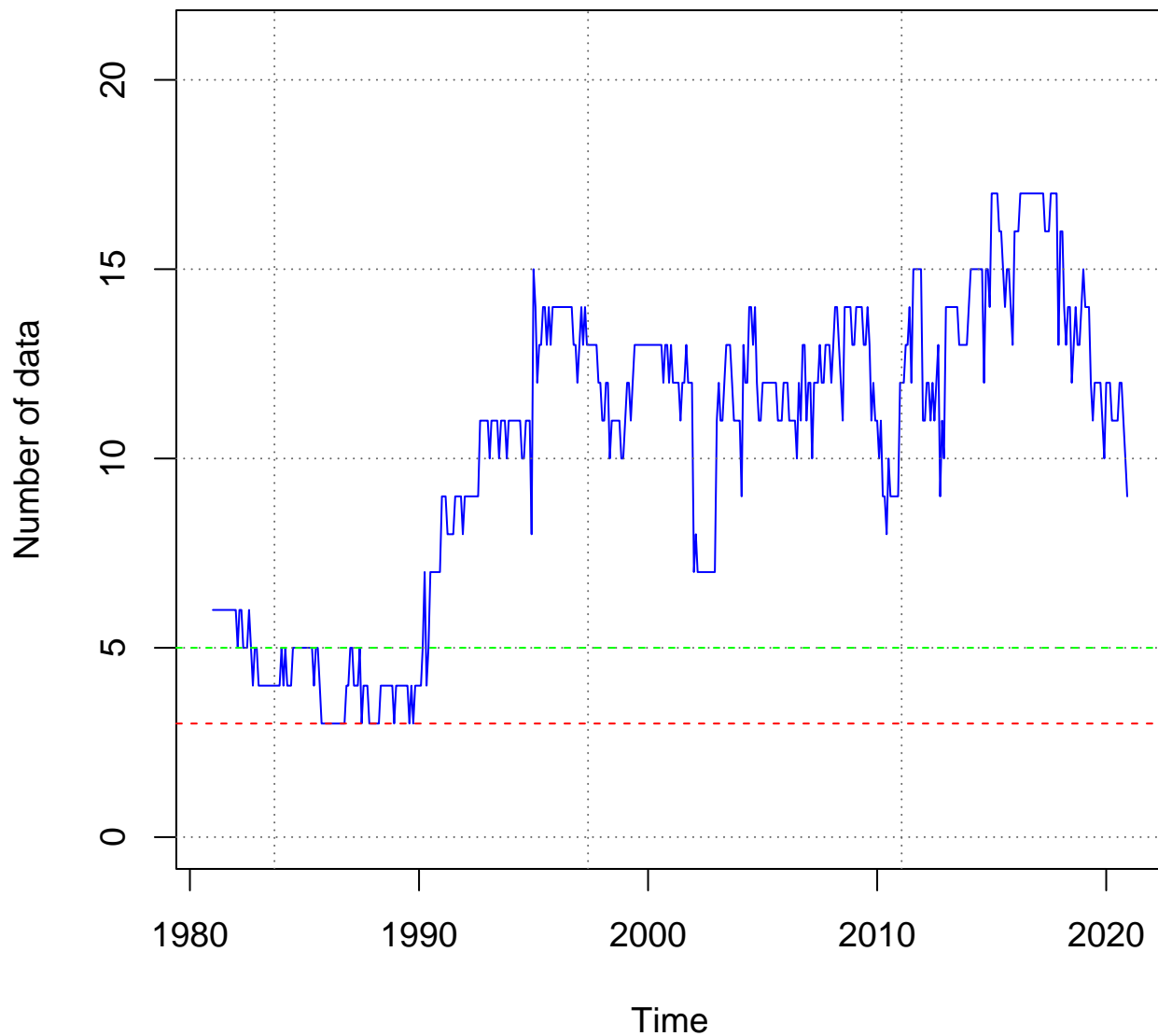
CLIMATOL 3.1.1

Homogenization
graphic output of
tmax-m
1981–2020

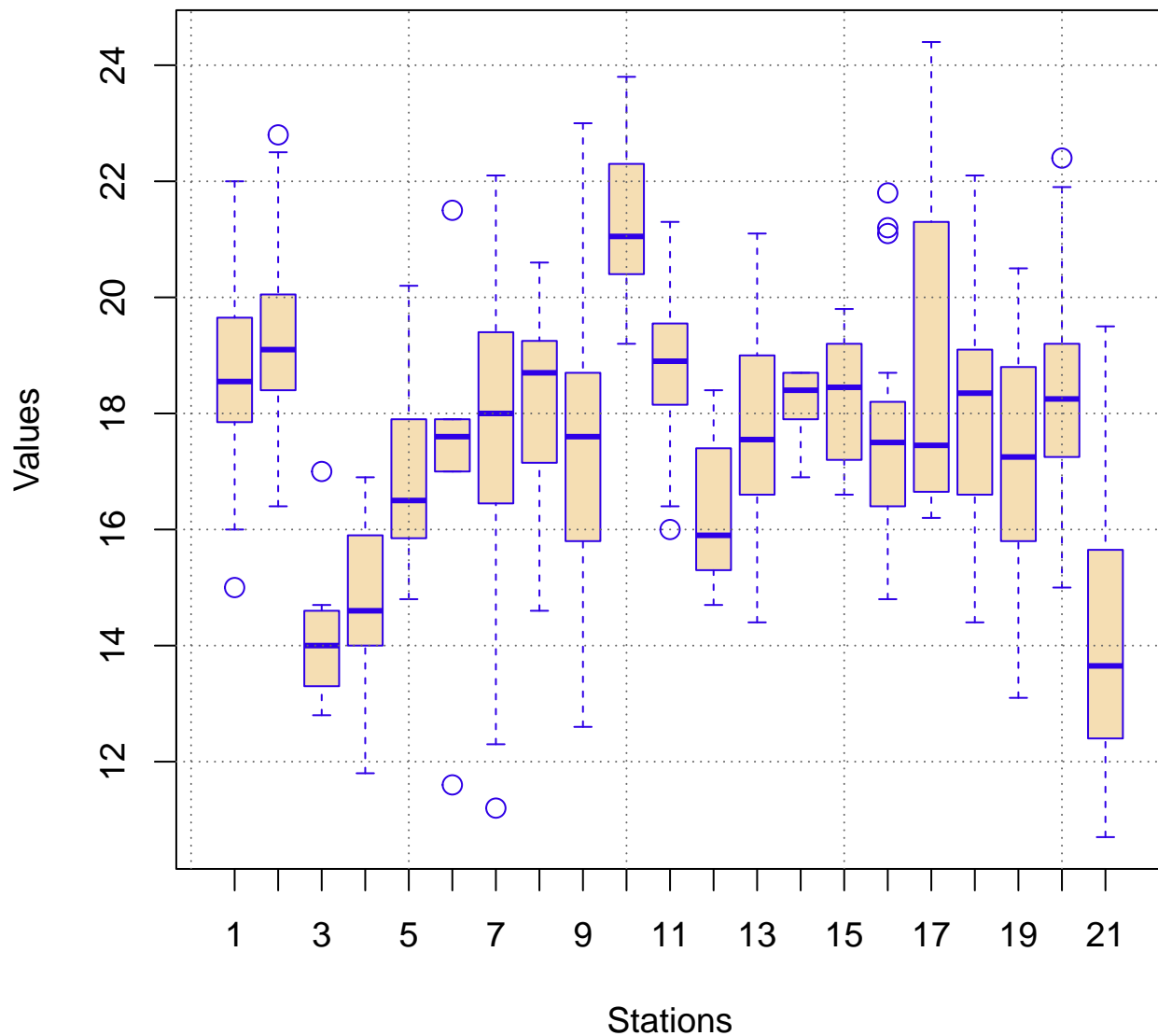
tmax-m data availability



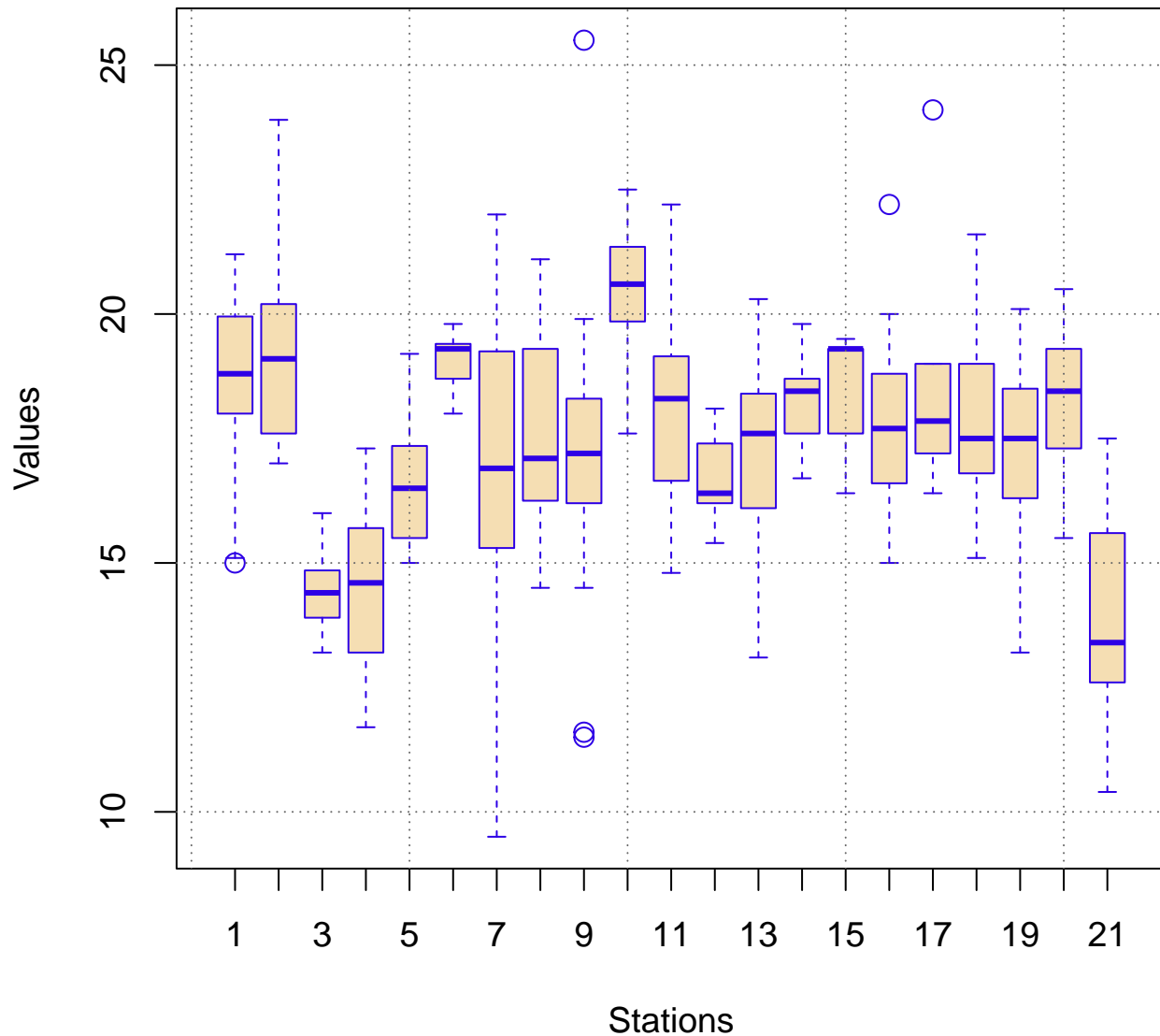
Number of tmax-m data in all stations



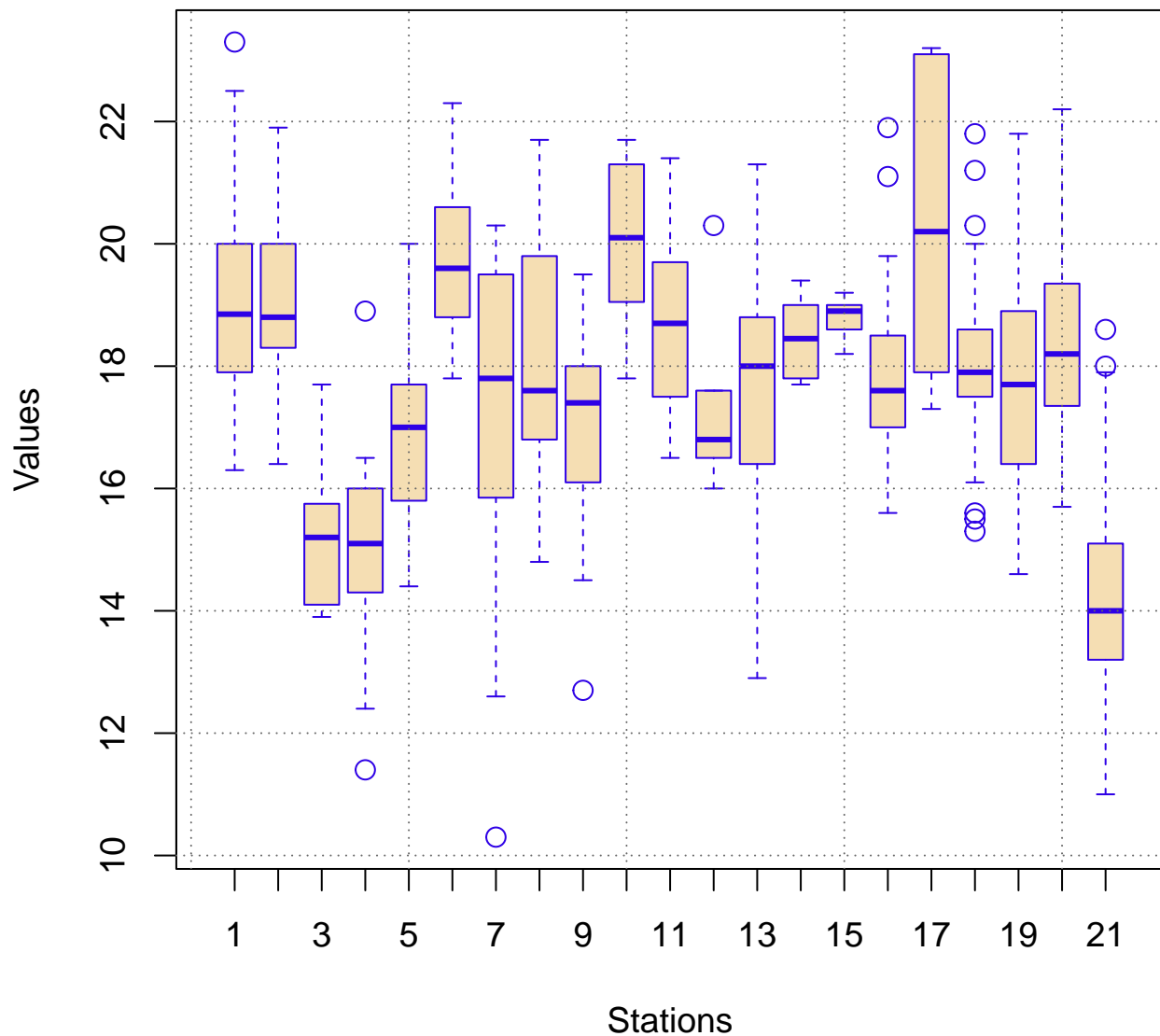
Data values of tmax-m (Jan)



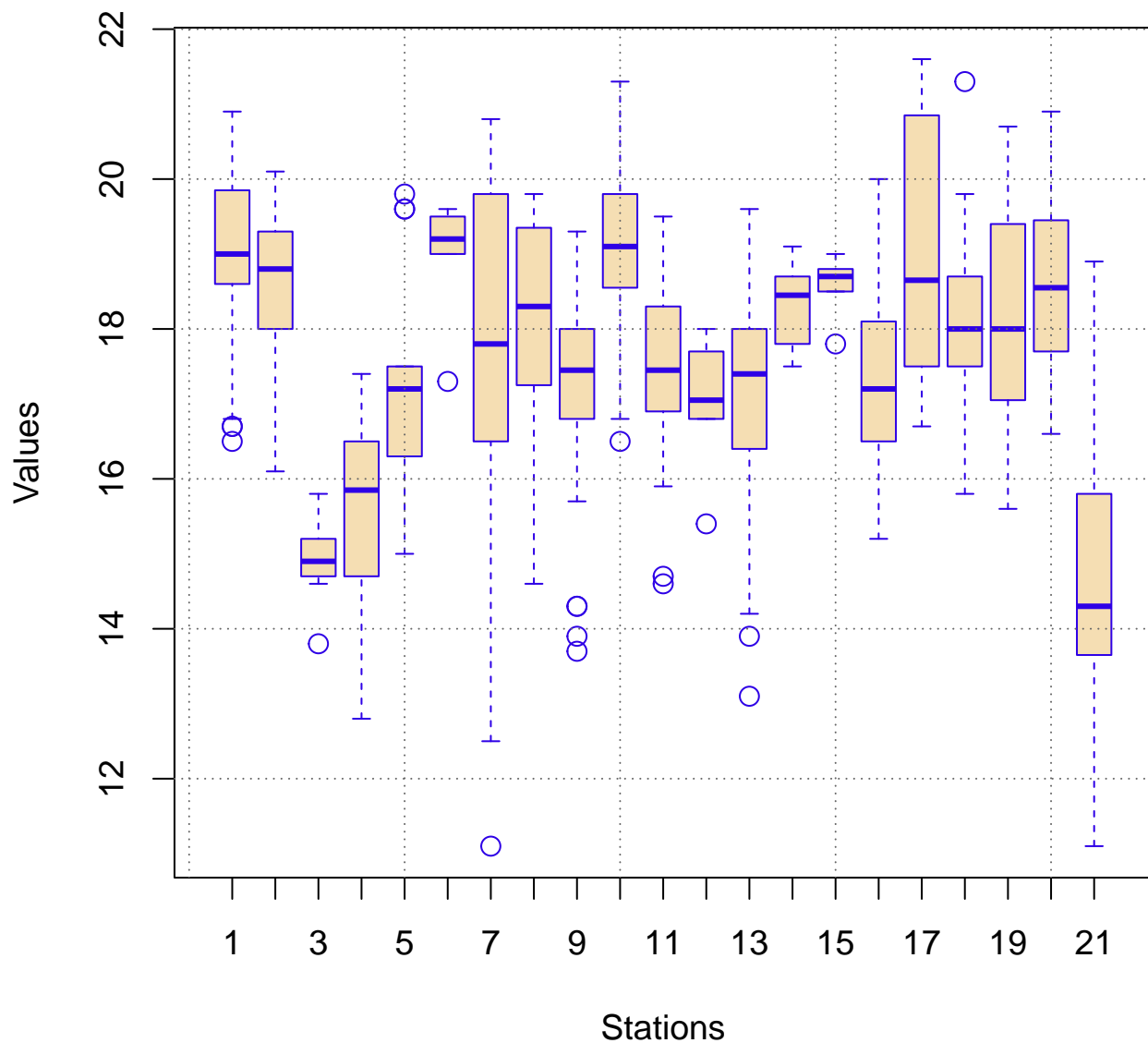
Data values of tmax-m (Feb)



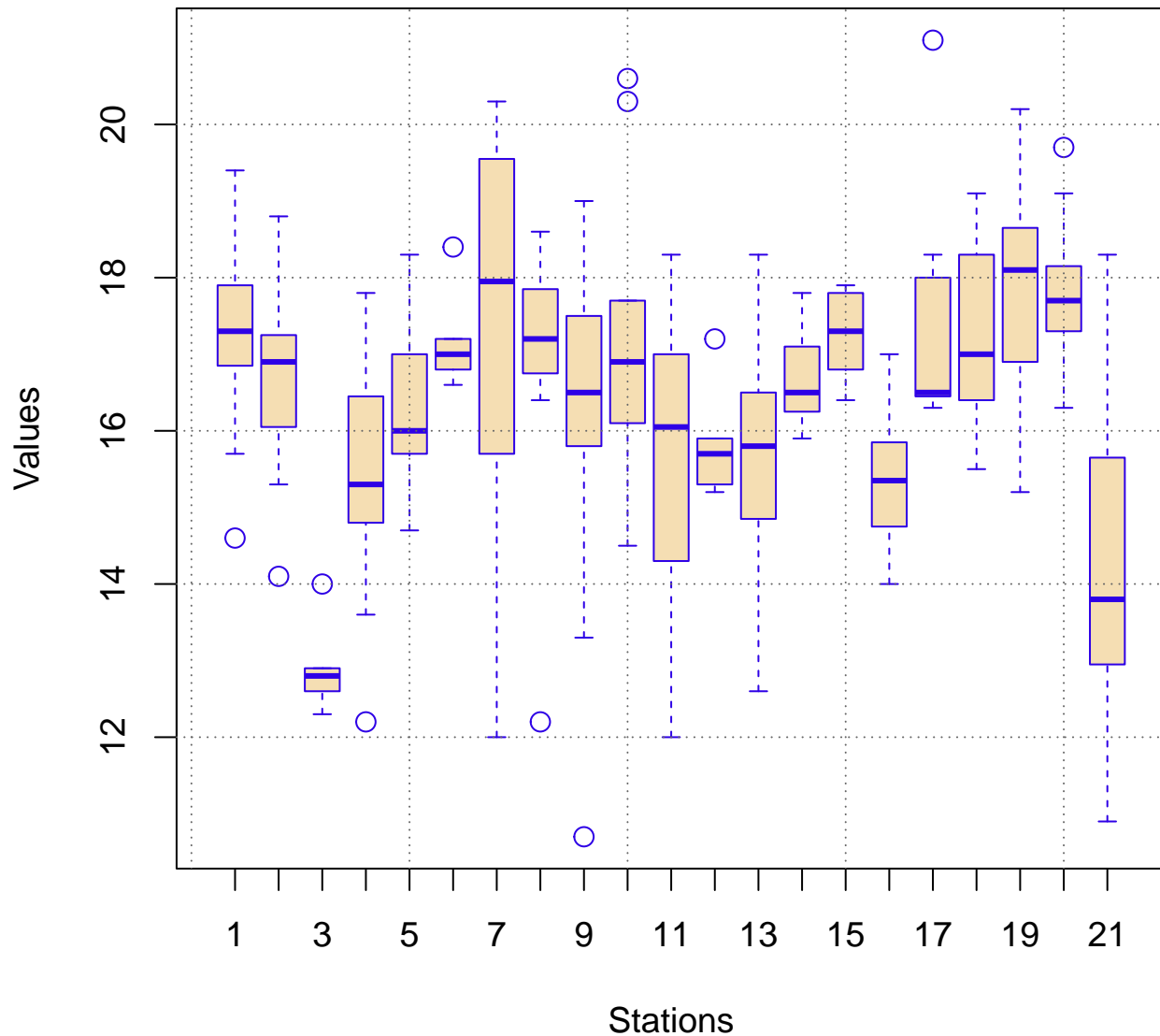
Data values of tmax-m (Mar)



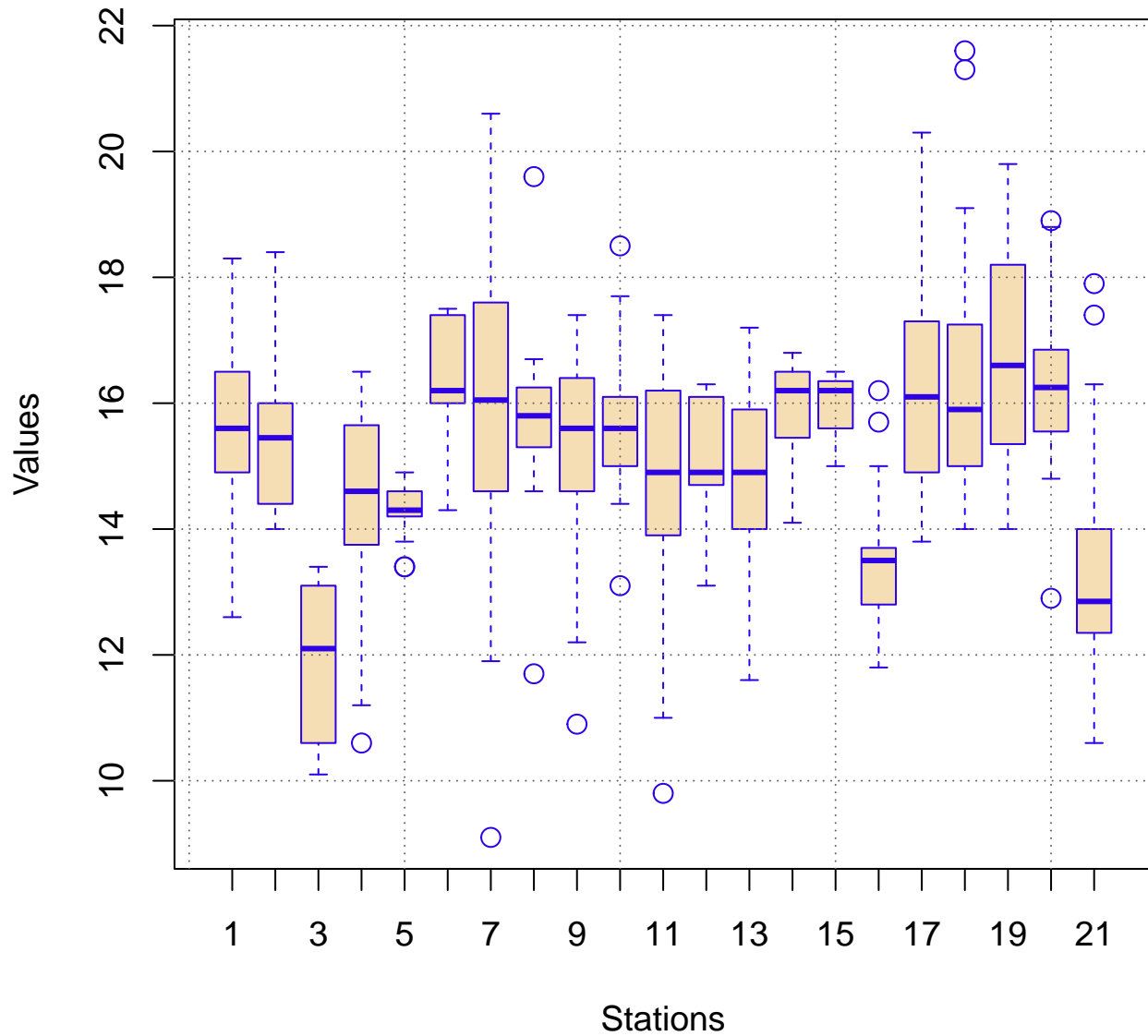
Data values of tmax-m (Apr)



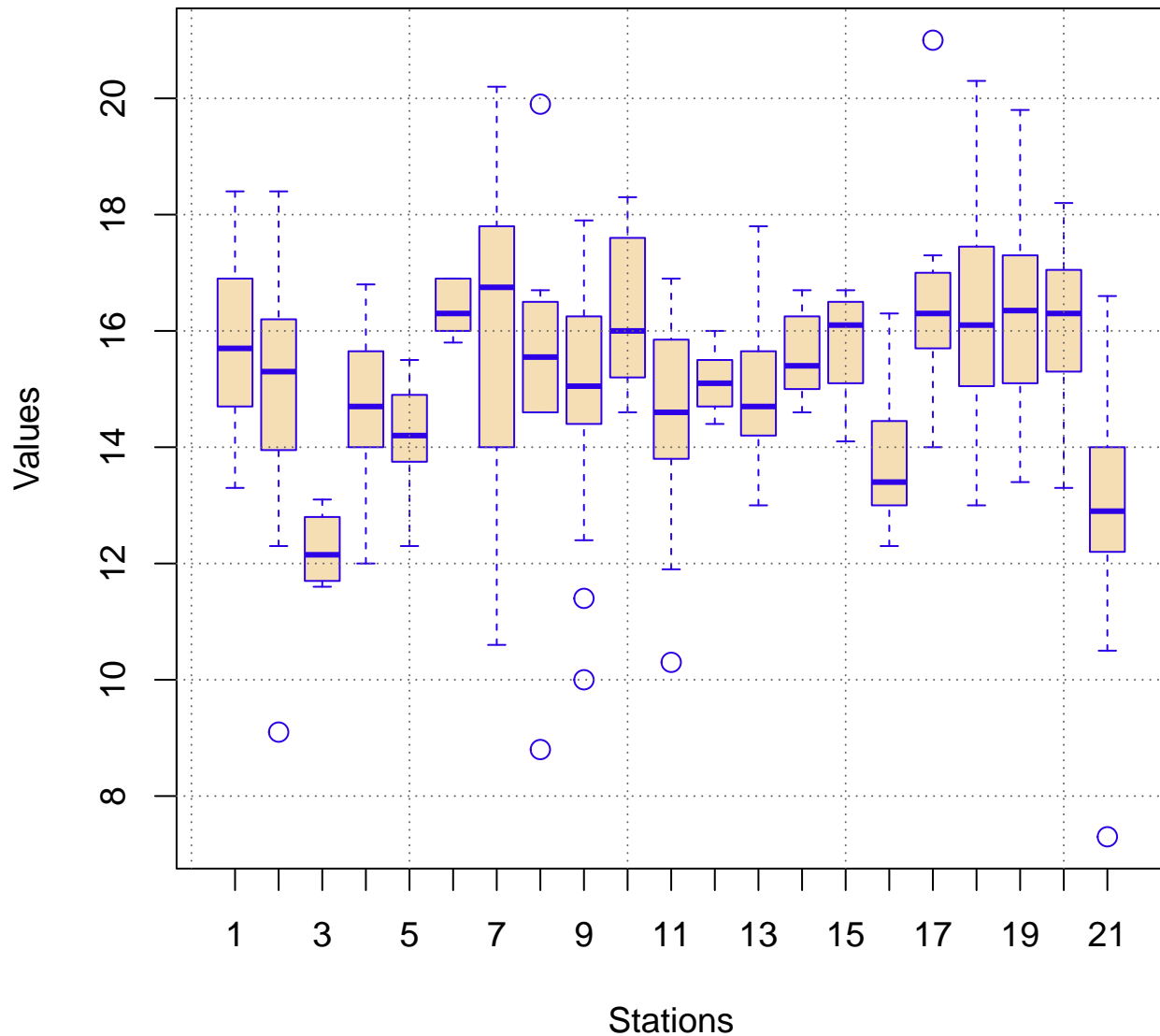
Data values of tmax-m (May)



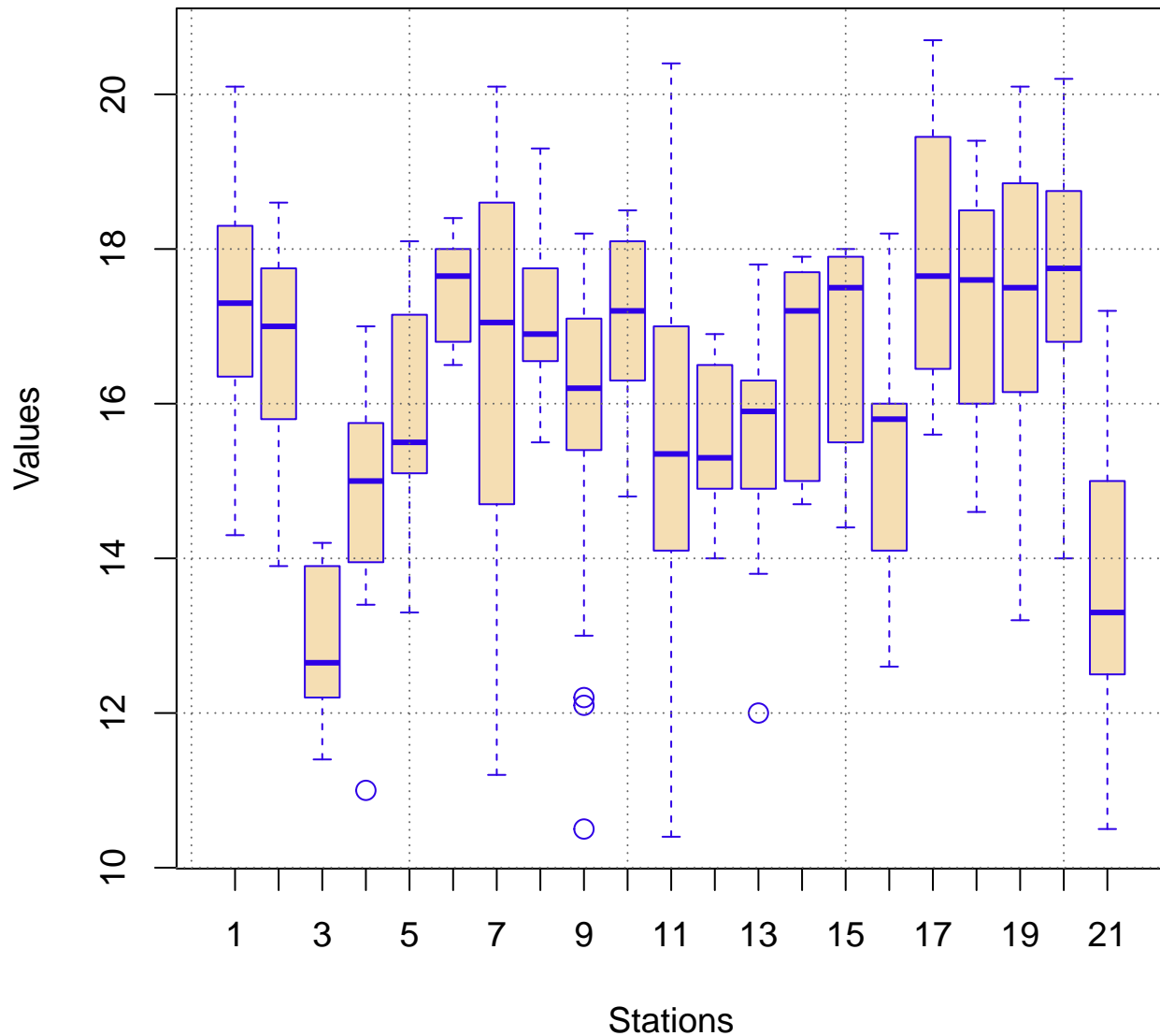
Data values of tmax-m (Jun)



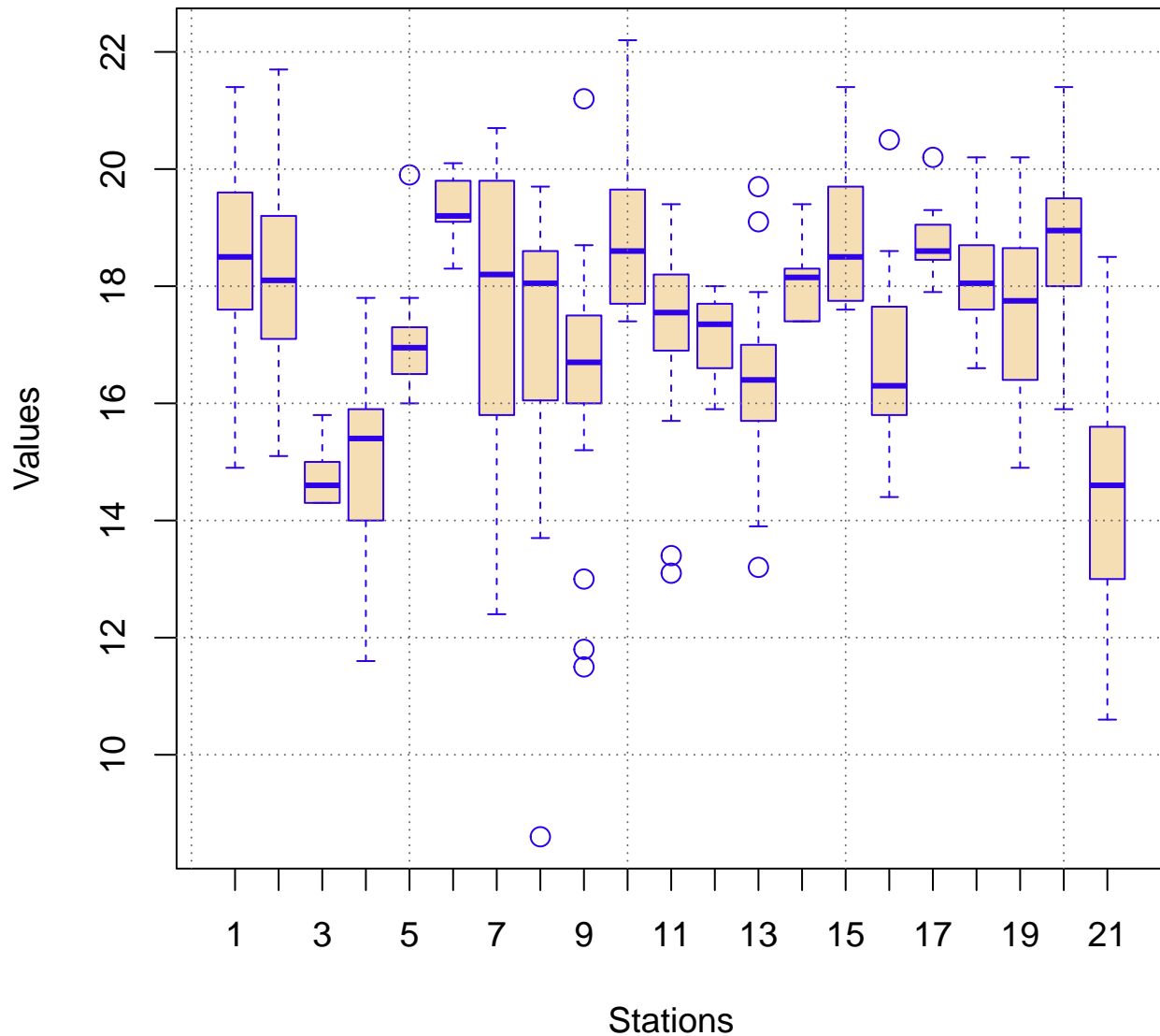
Data values of tmax-m (Jul)



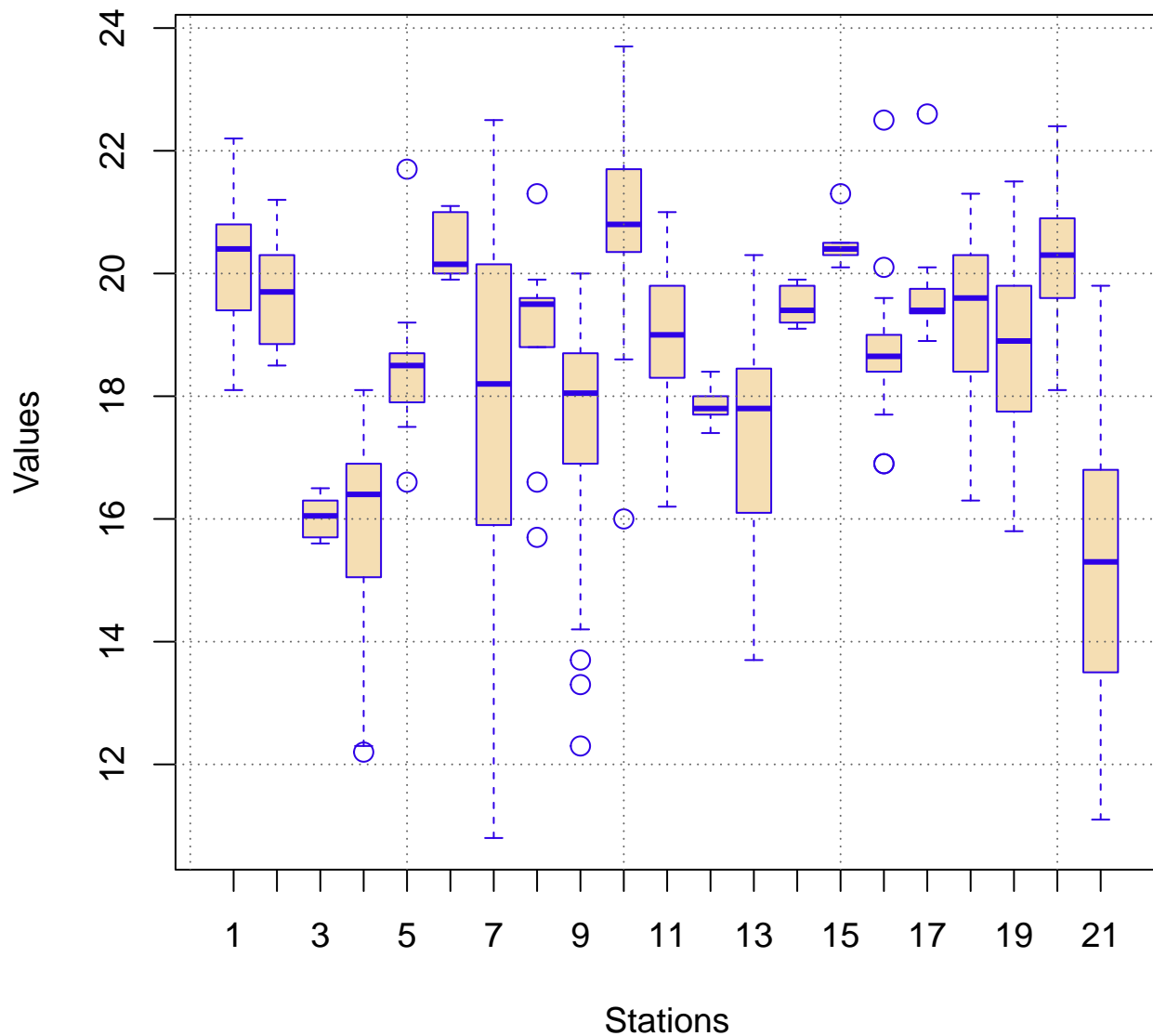
Data values of tmax-m (Aug)



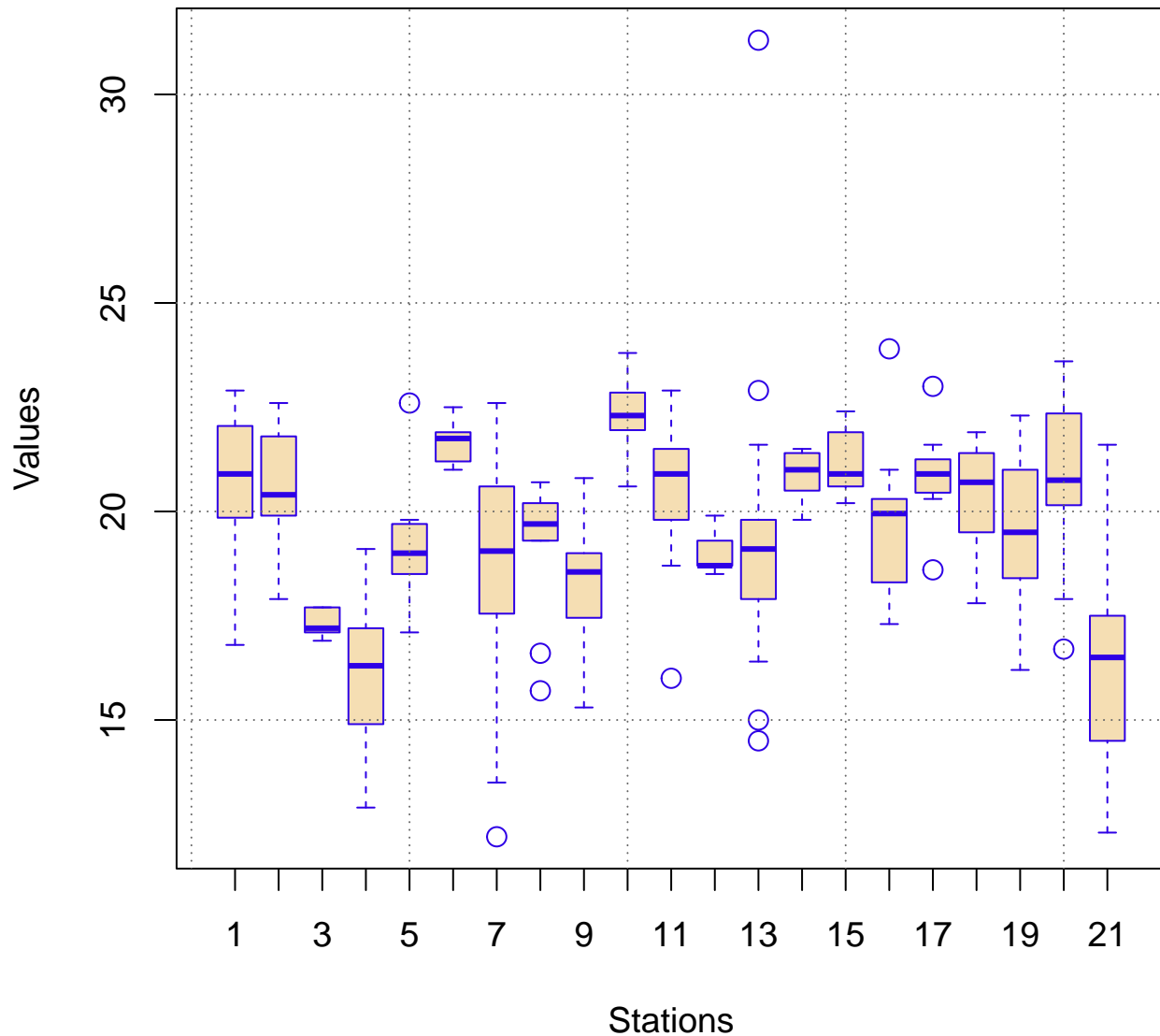
Data values of tmax-m (Sep)



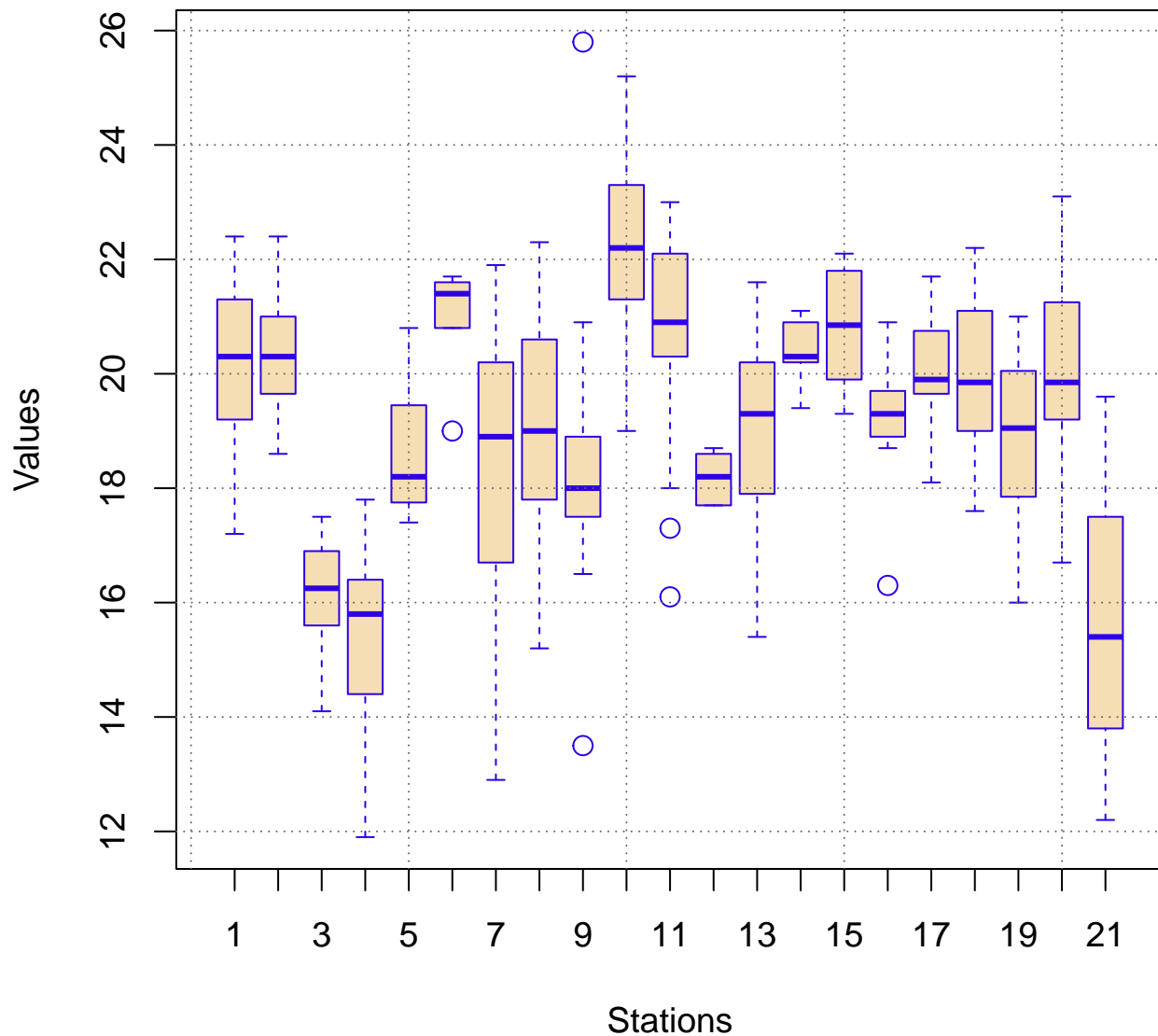
Data values of tmax-m (Oct)



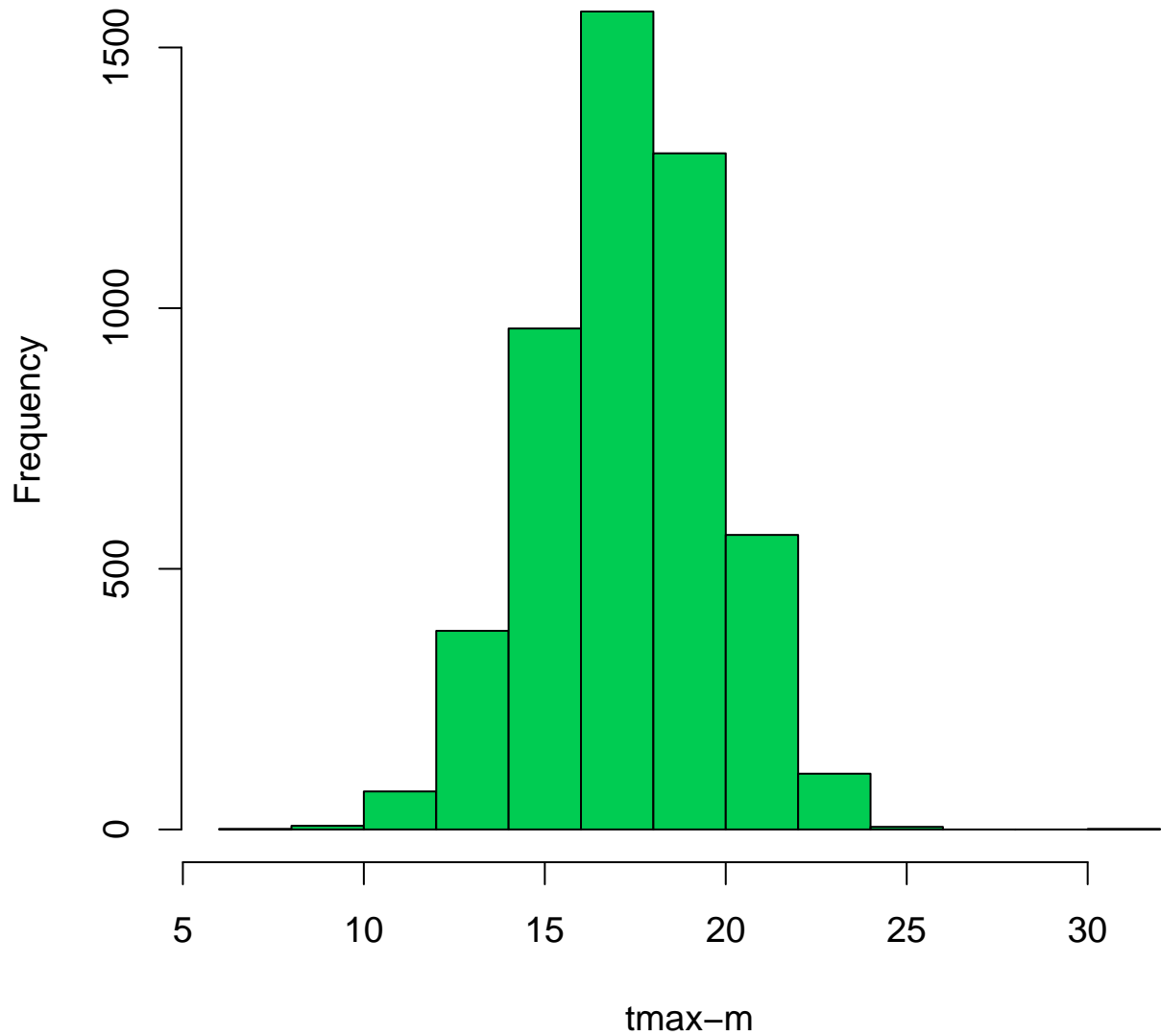
Data values of tmax-m (Nov)



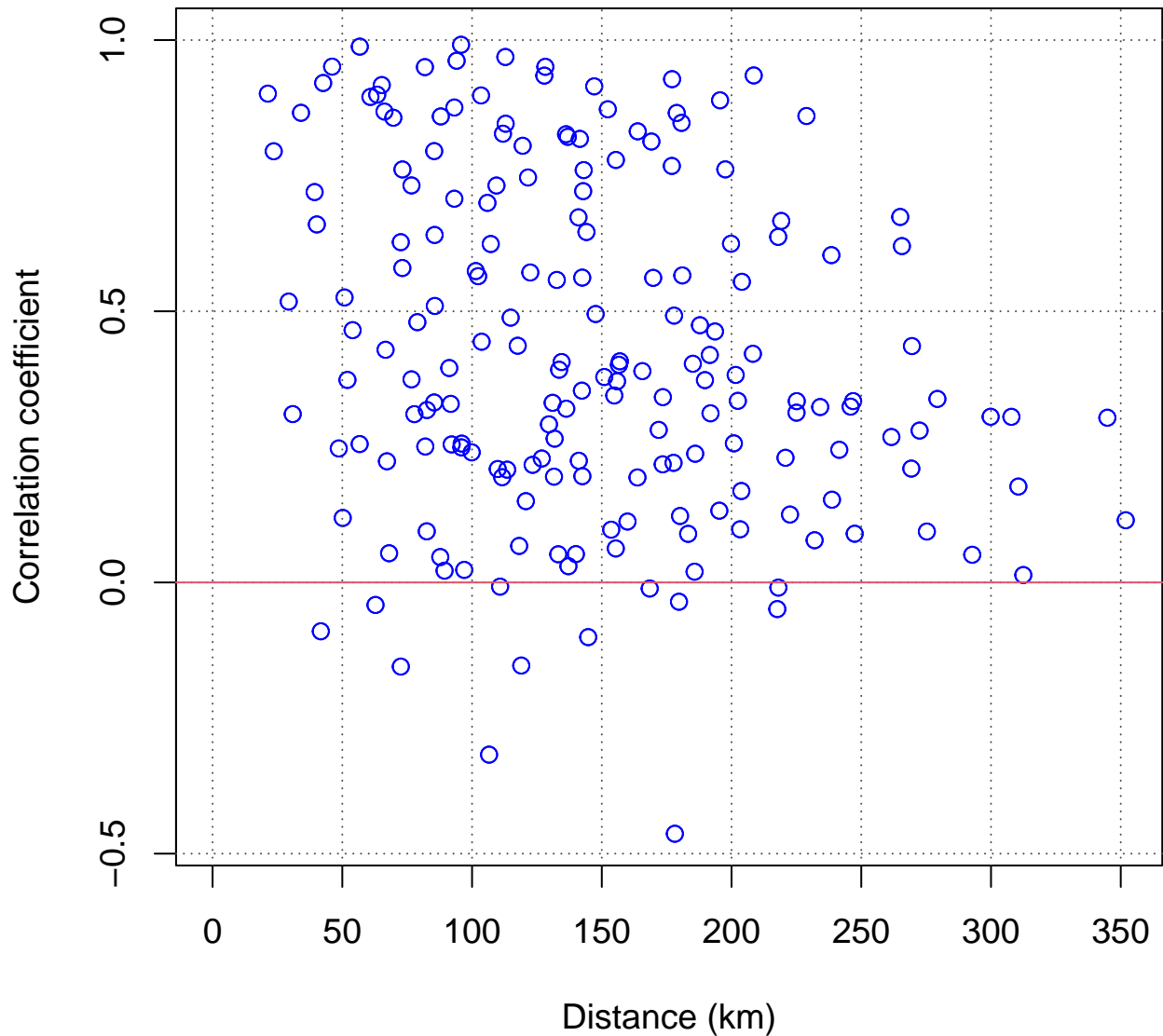
Data values of tmax-m (Dec)



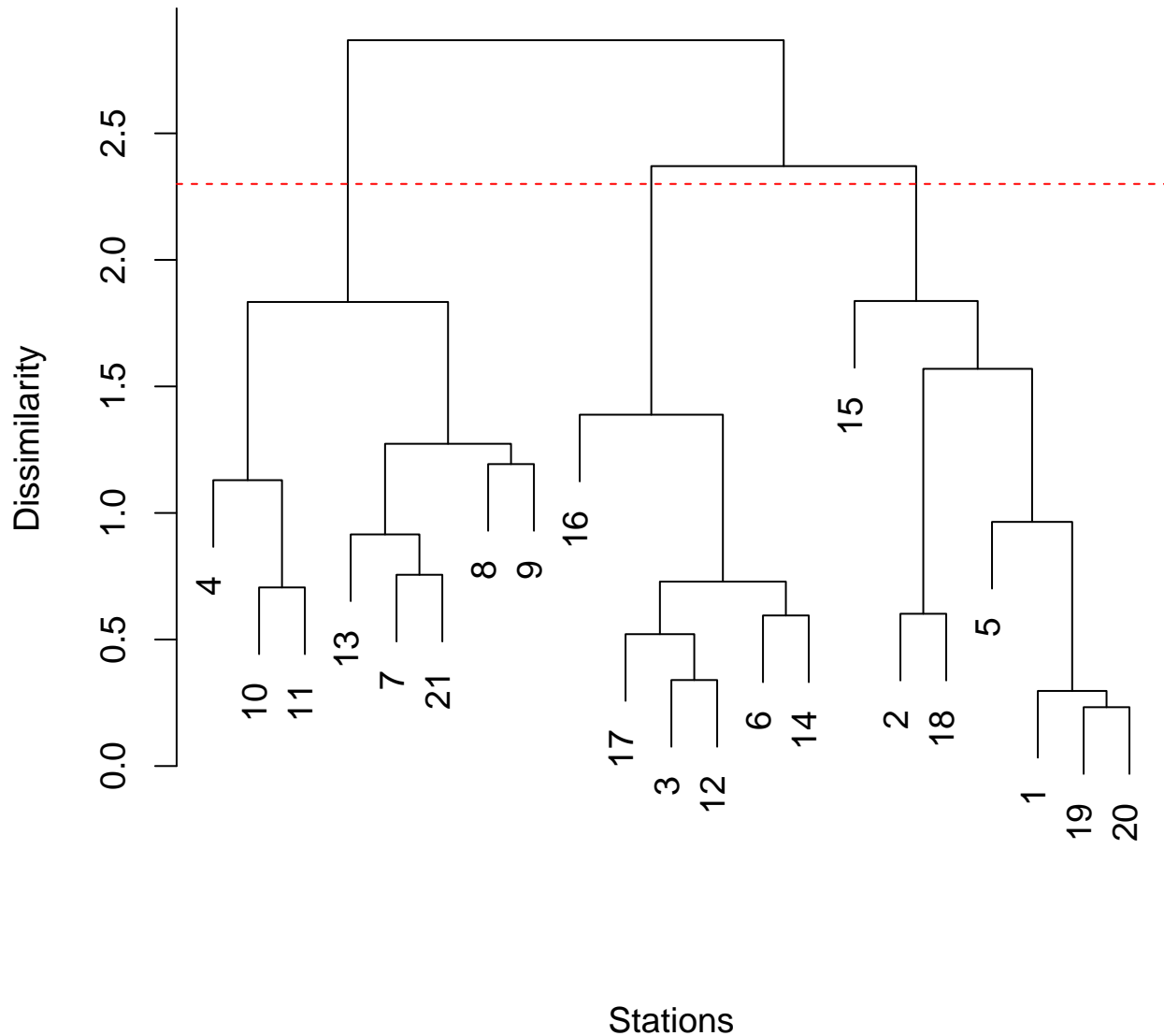
Histogram of all data



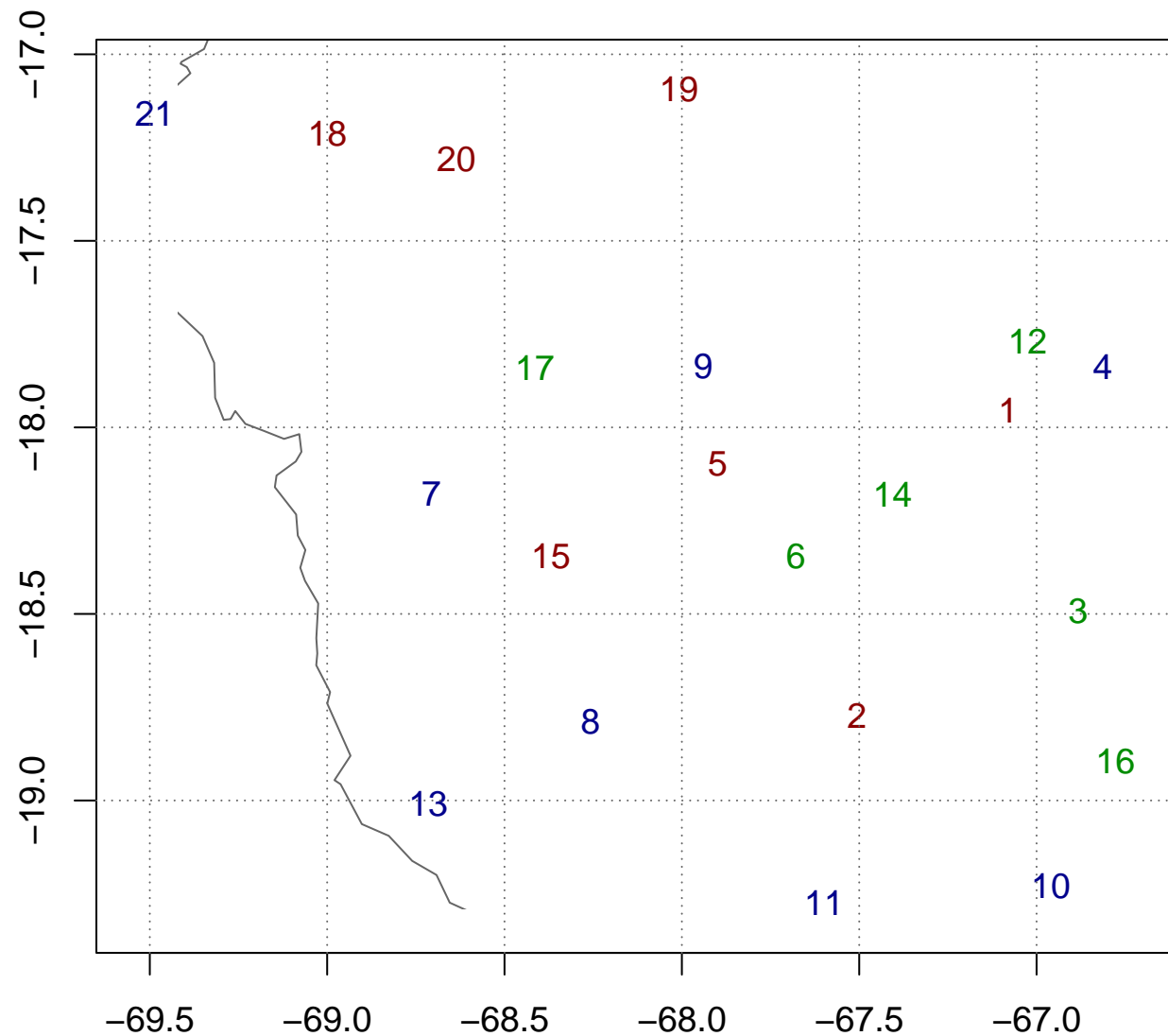
Correlogram of first difference series



Dendrogram of station clusters



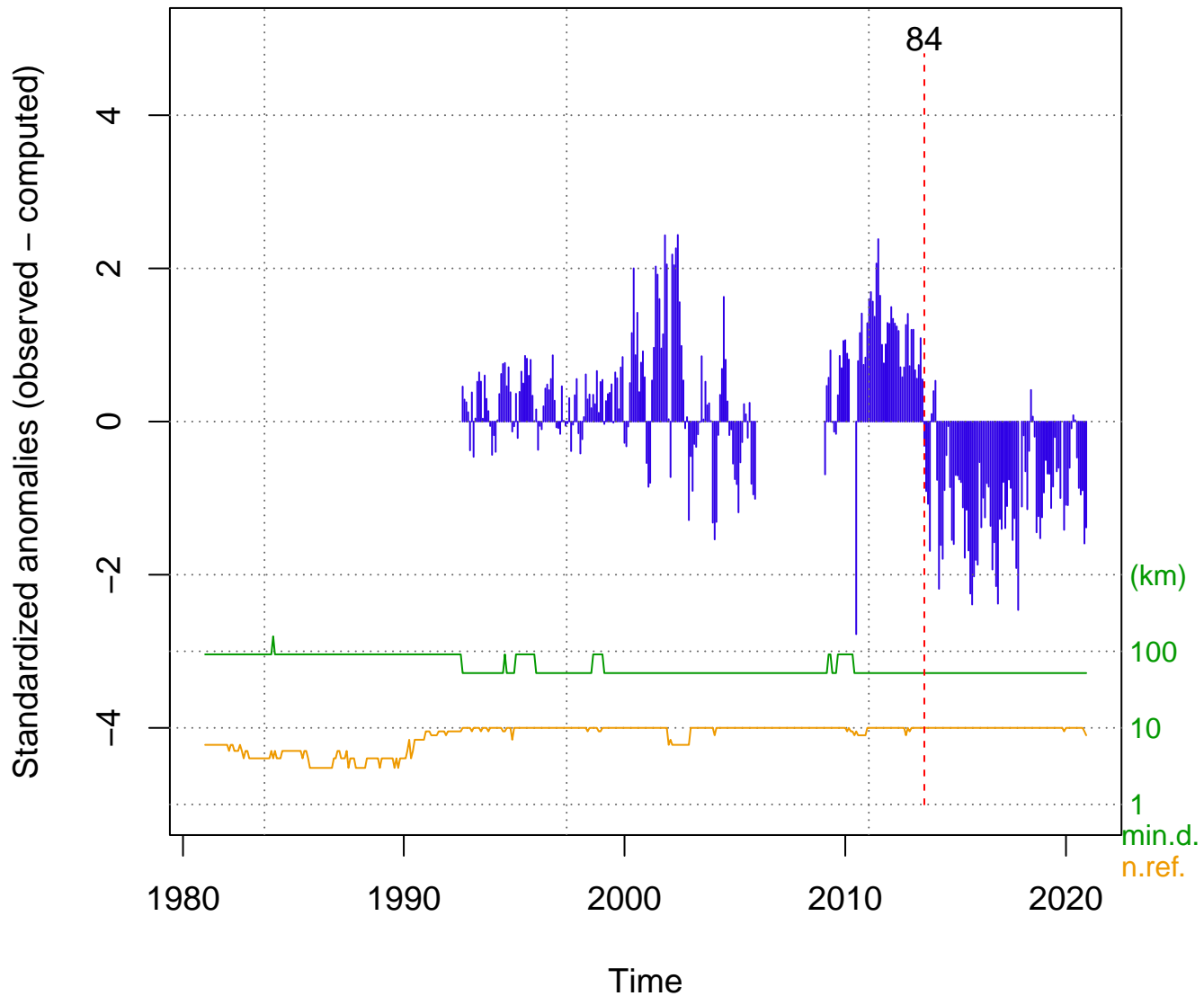
tmax-m station locations (3 clusters)



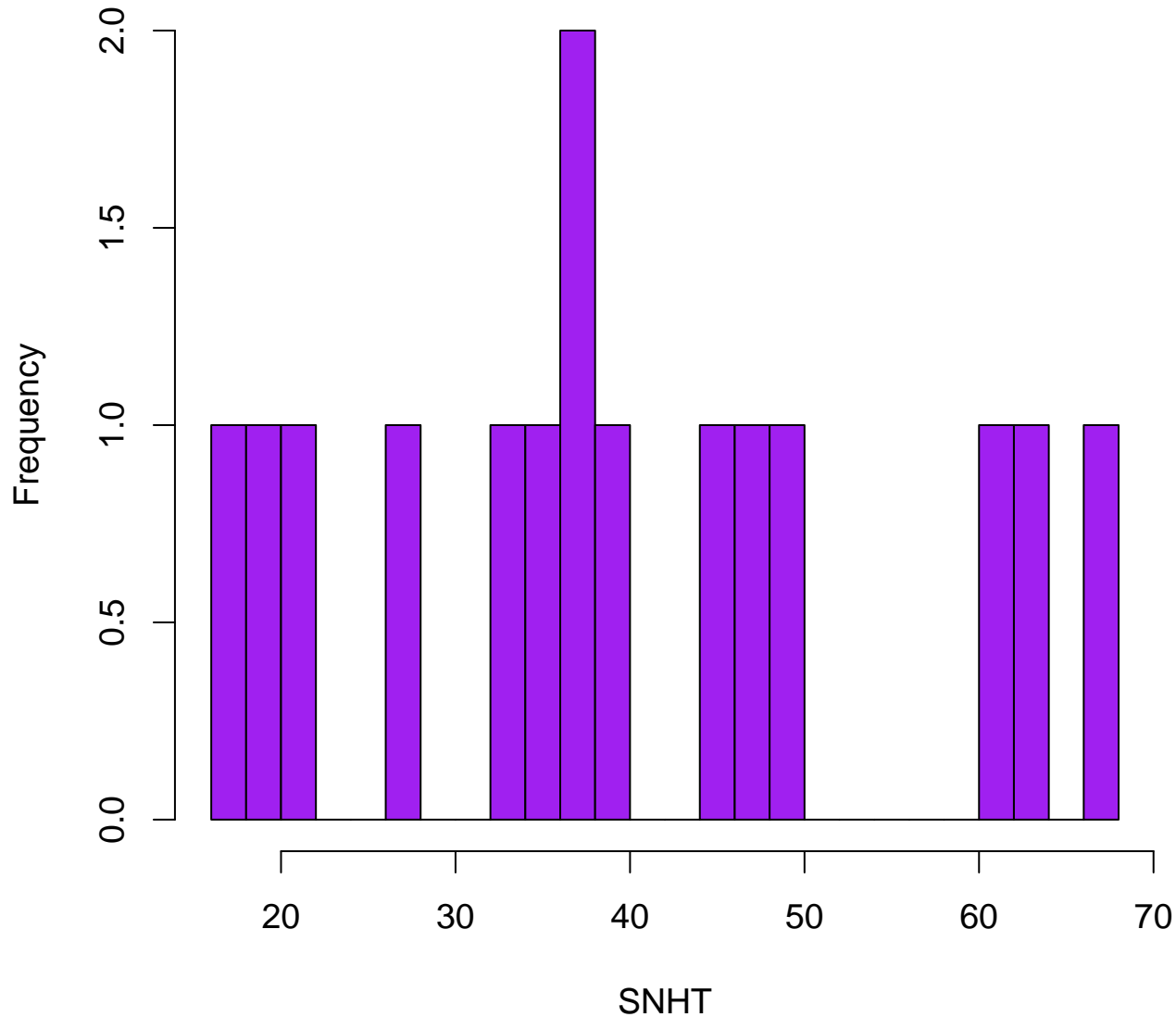
Stage 1

Binary splits on 60 term
stepped windows
with $\text{SNHT} > 80$
and $\text{wd} = 0 \text{ km}$

tmax-m 21 (204)
catacora



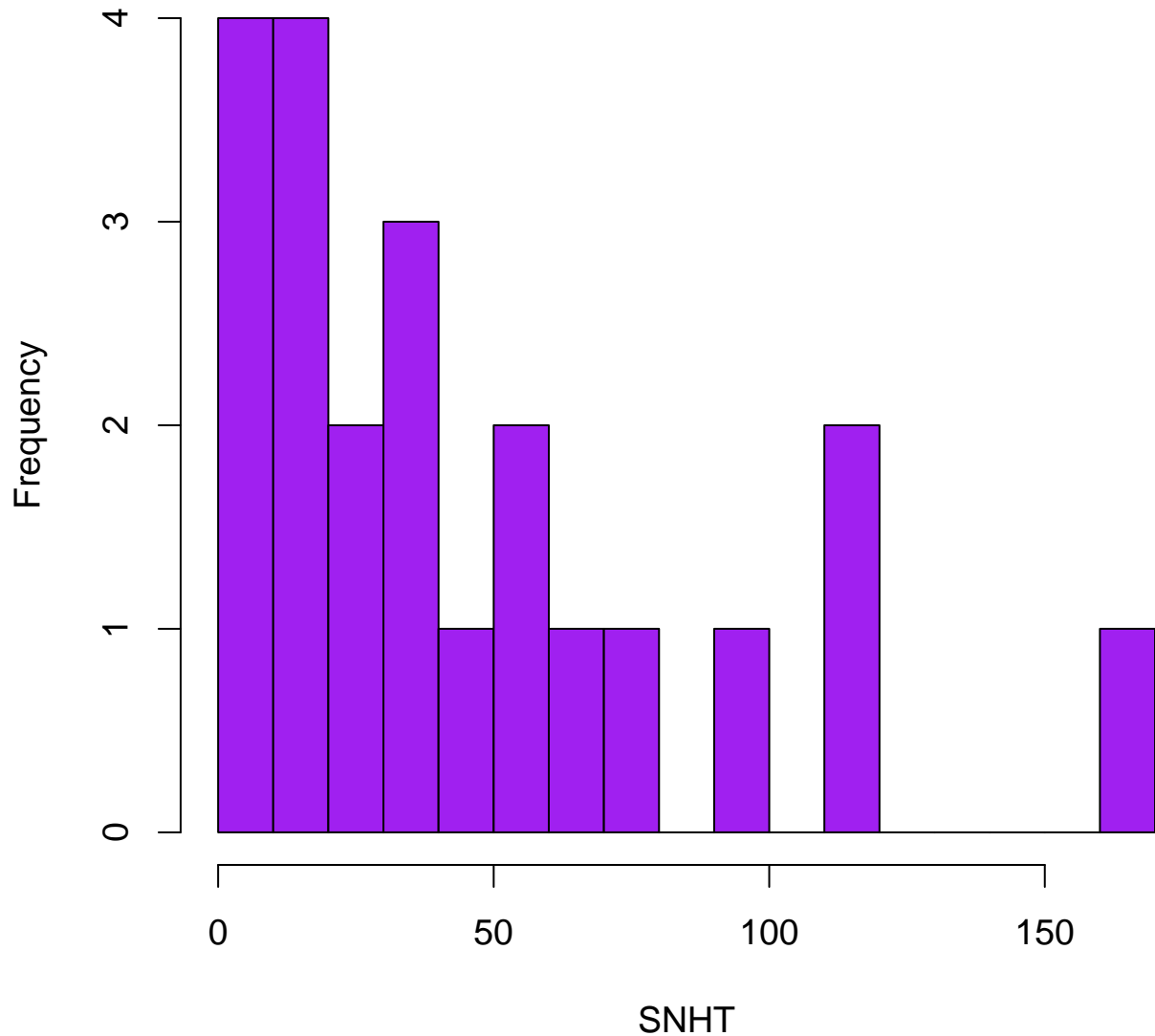
Histogram of maximum SNHT (Stage 1)



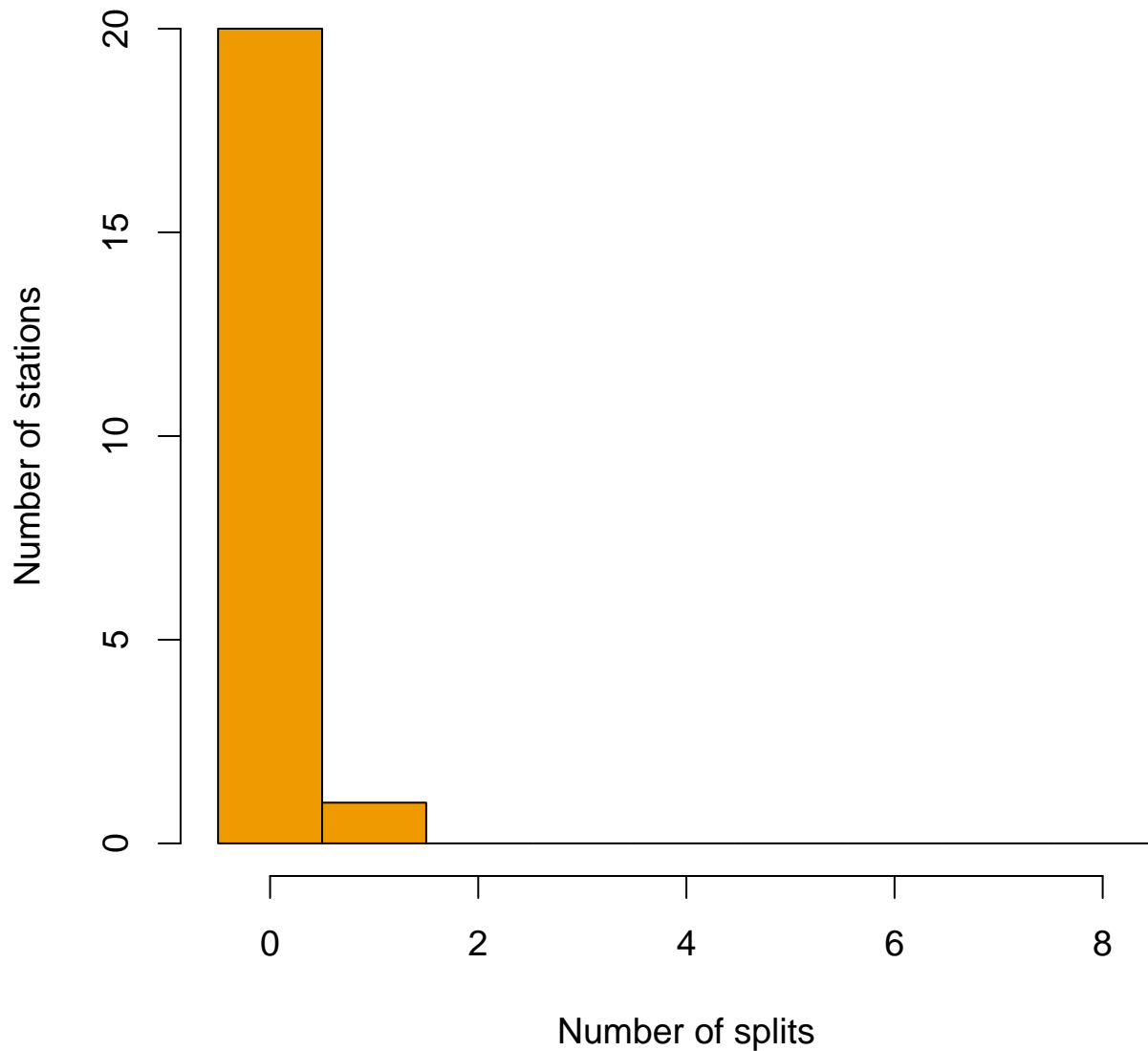
Stage 2

Binary splits on
whole series
with $\text{SNHT} > 170$
and $\text{wd} = 0 \text{ km}$

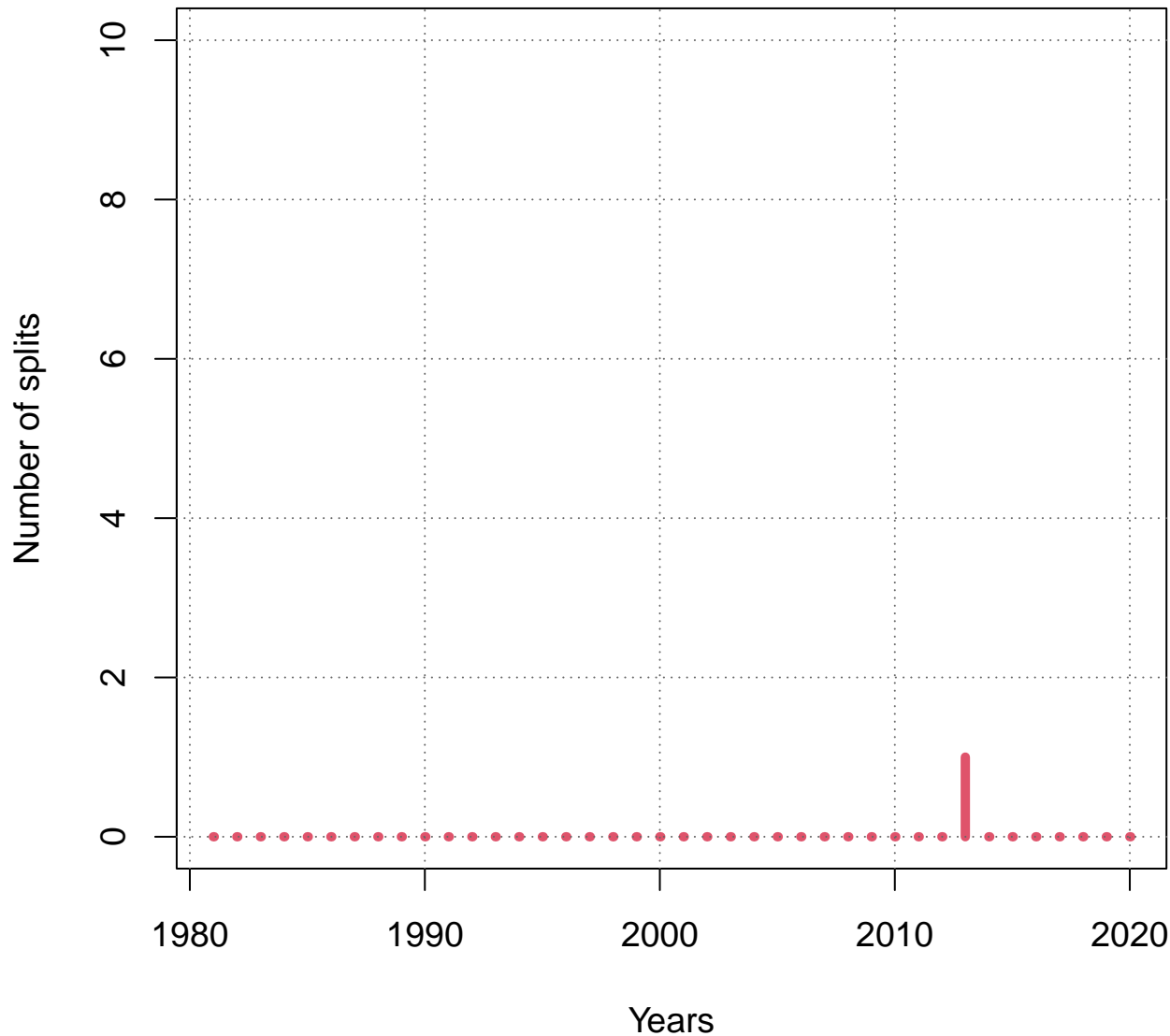
Histogram of maximum SNHT (Stage 2)



Number of splits per station



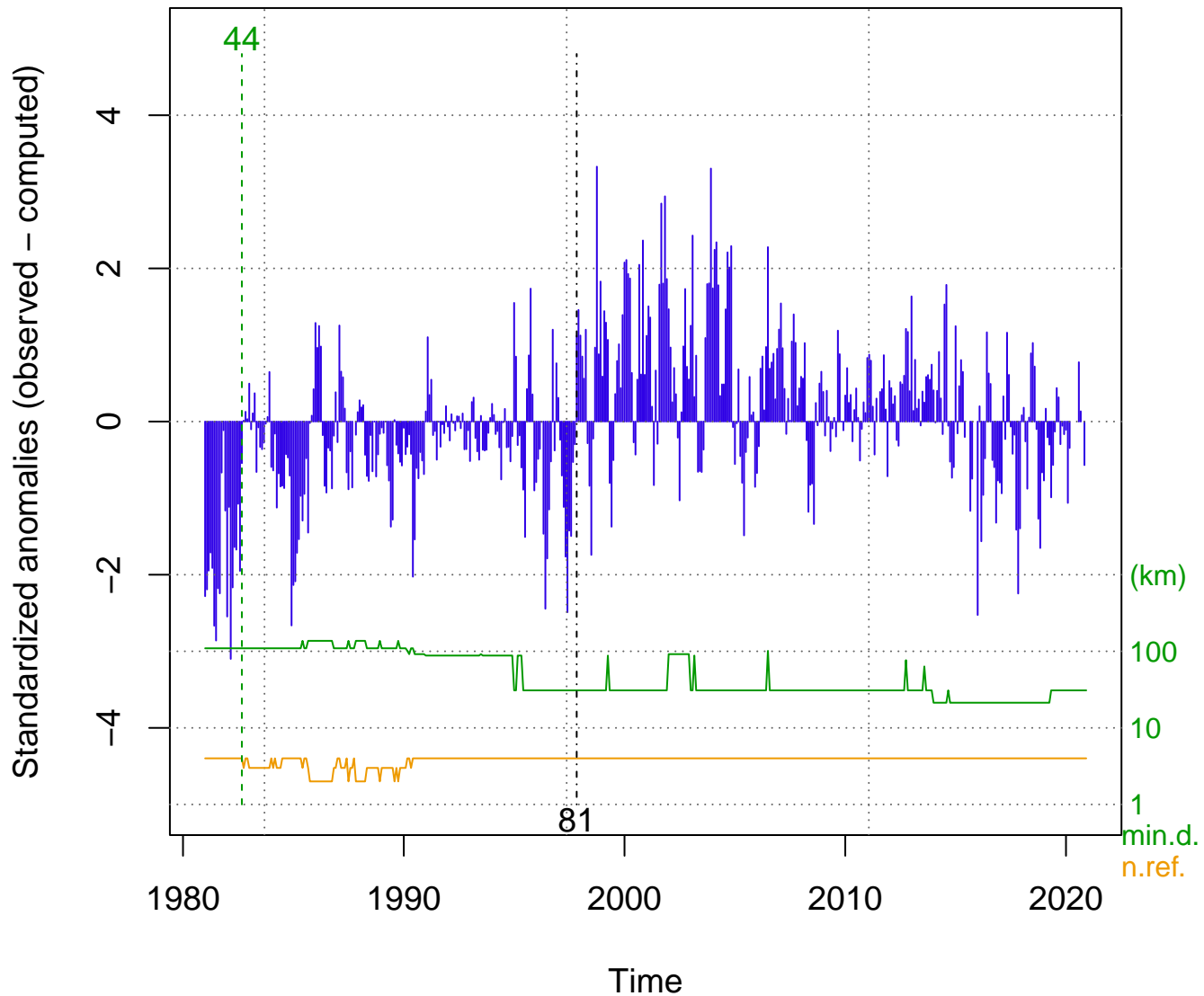
Number of splits per year



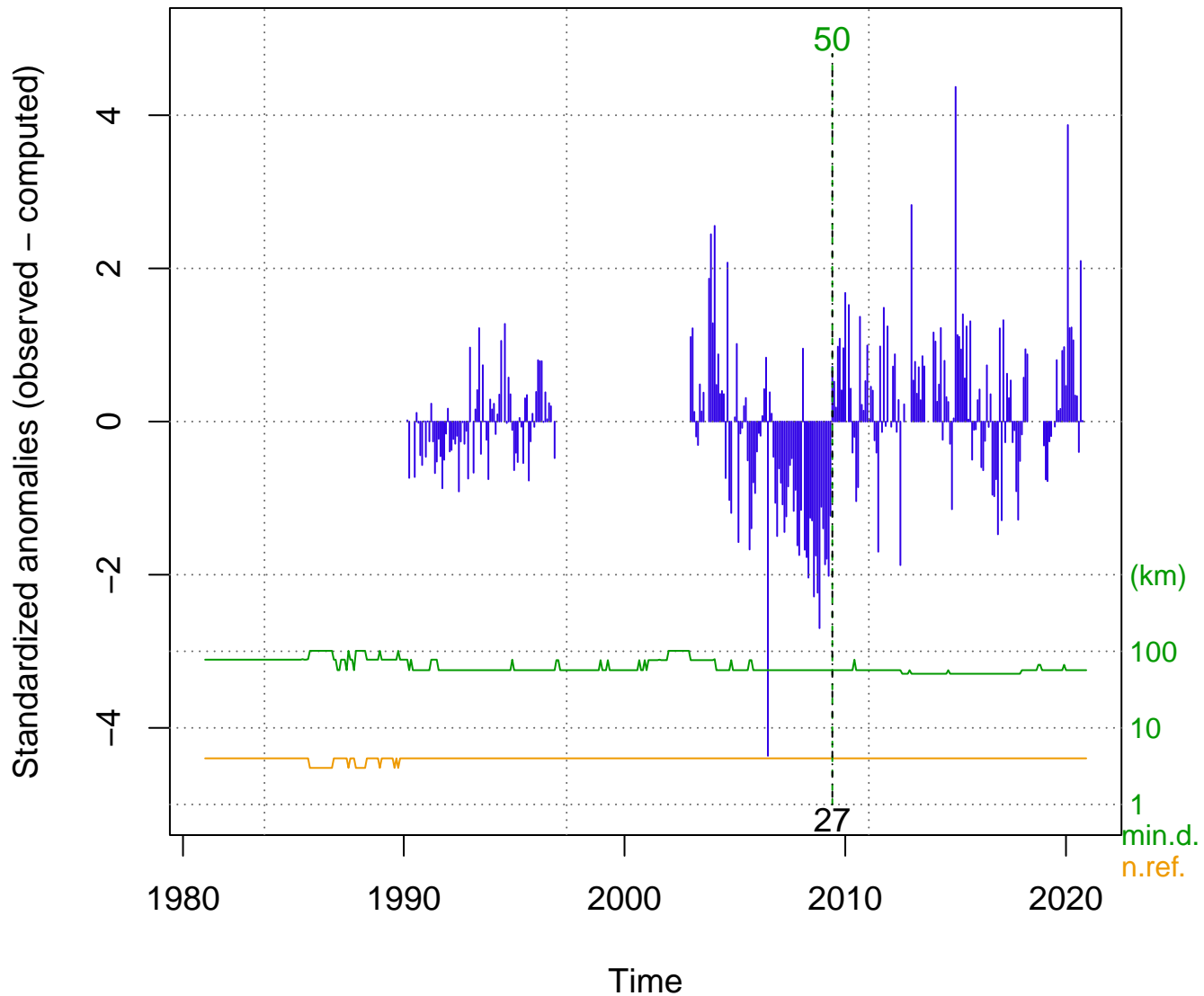
Stage 3

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

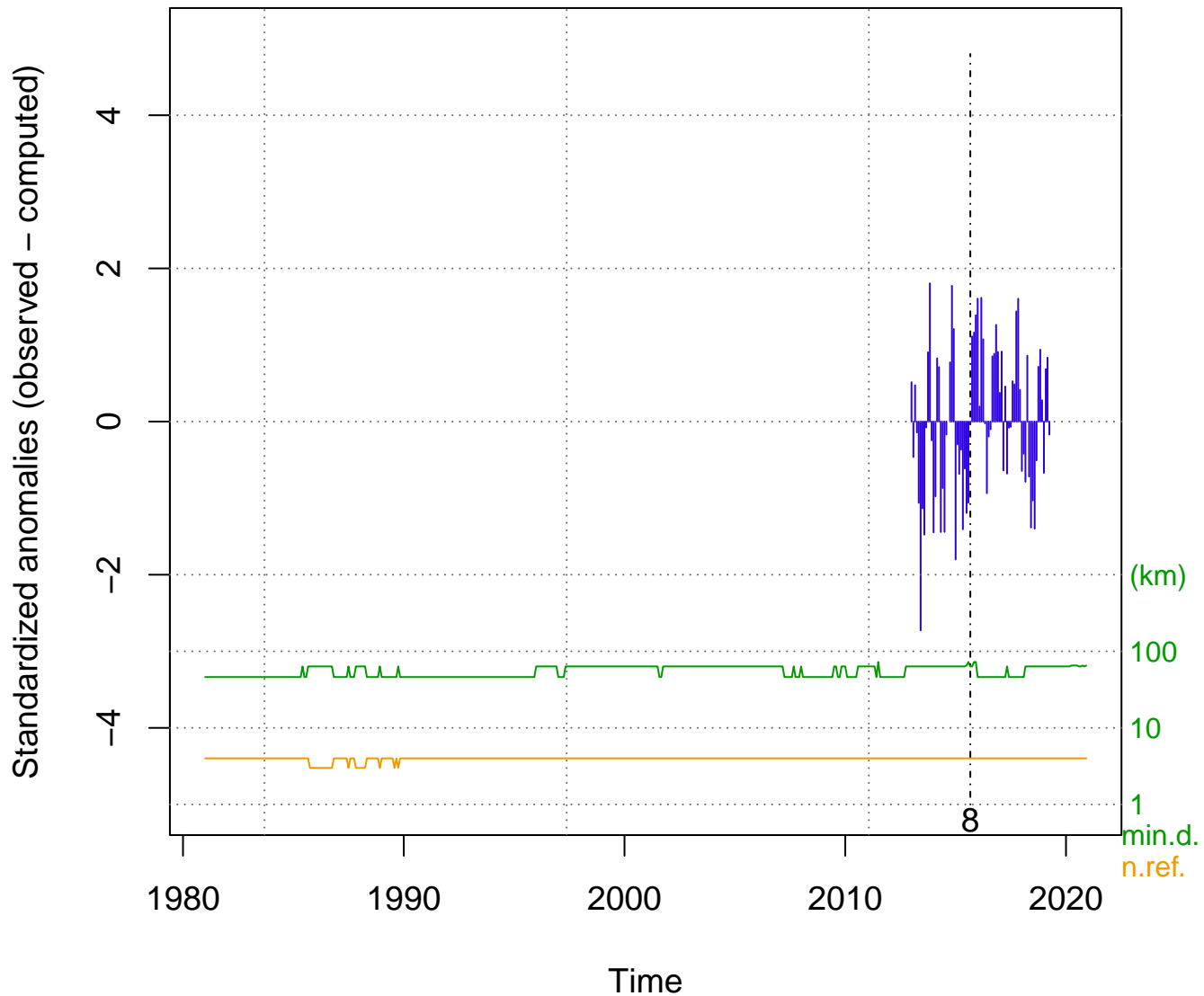
tmax-m 1 (100) aeropuerto



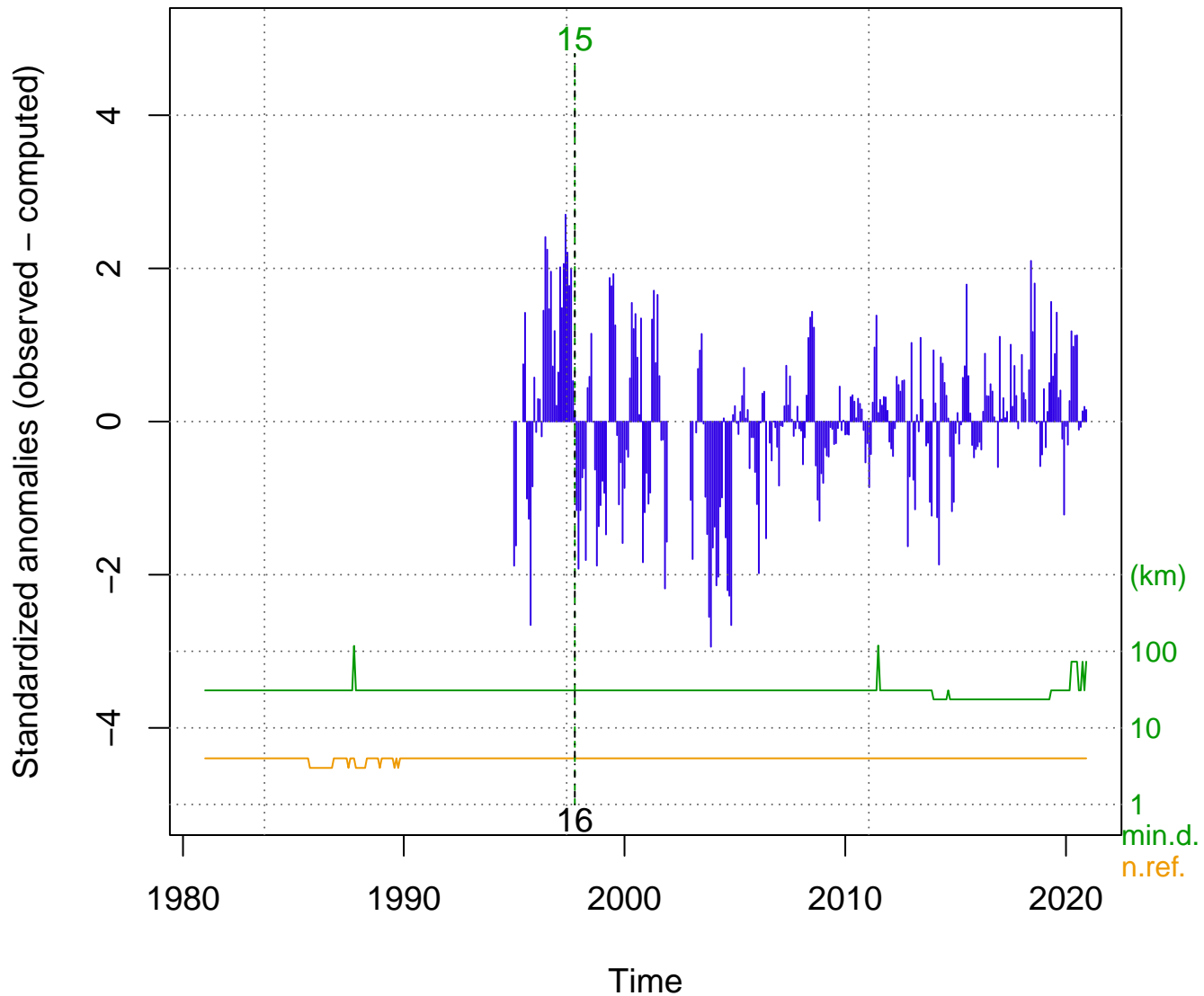
tmax-m 2 (101) andamarca



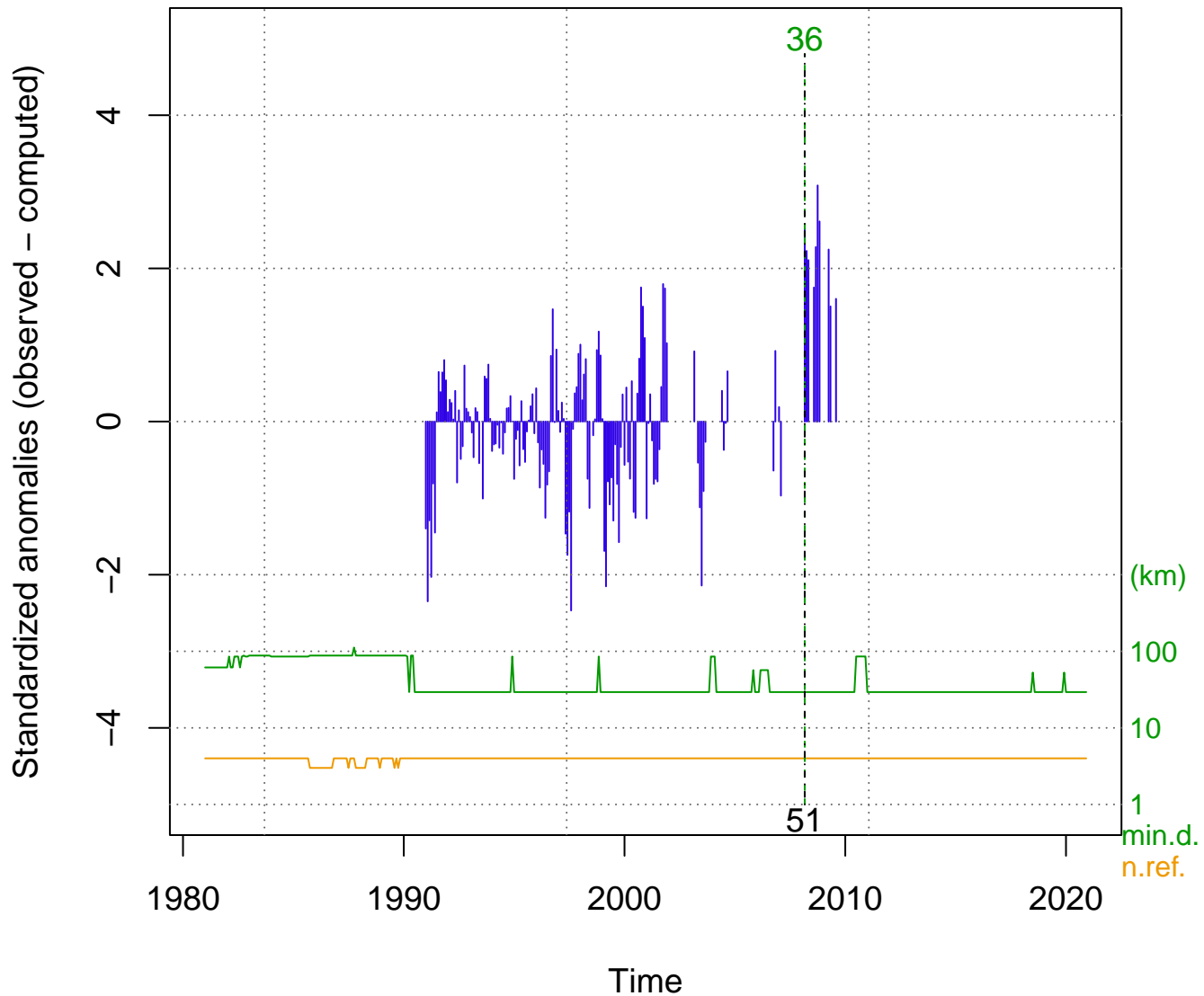
tmax-m 3 (102)
antequera



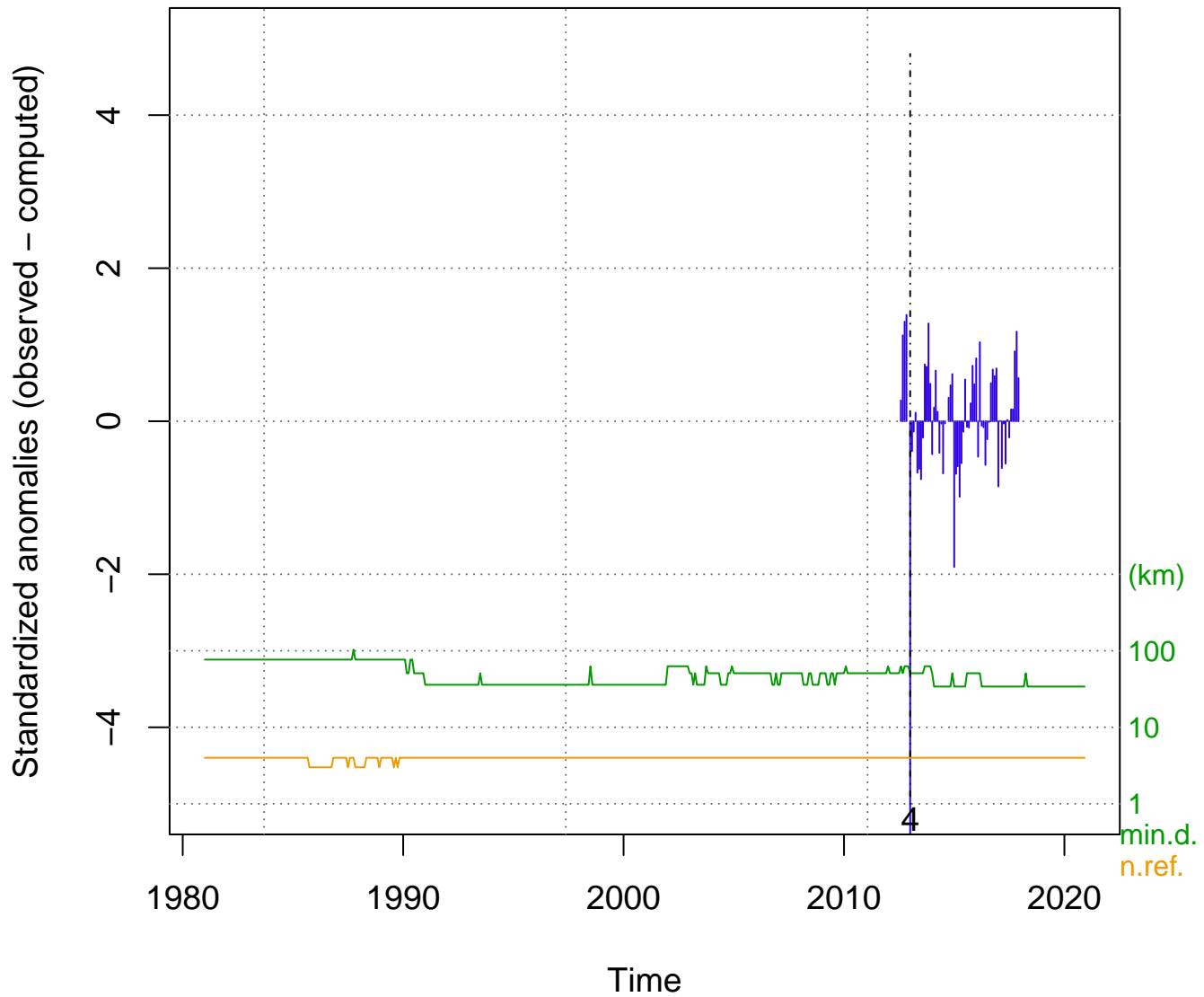
tmax-m 4 (105)
chillca



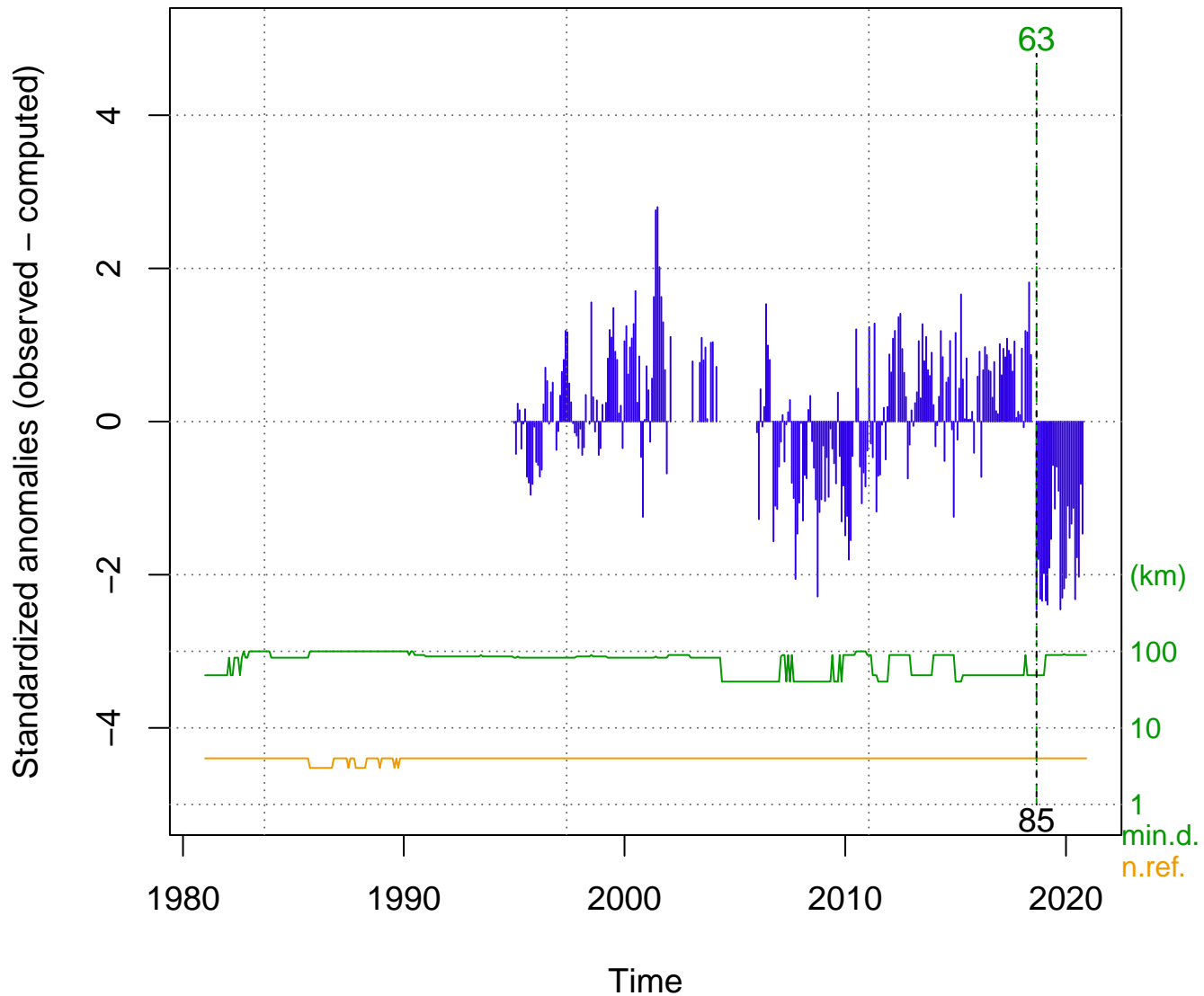
tmax-m 5 (106)
choquecota



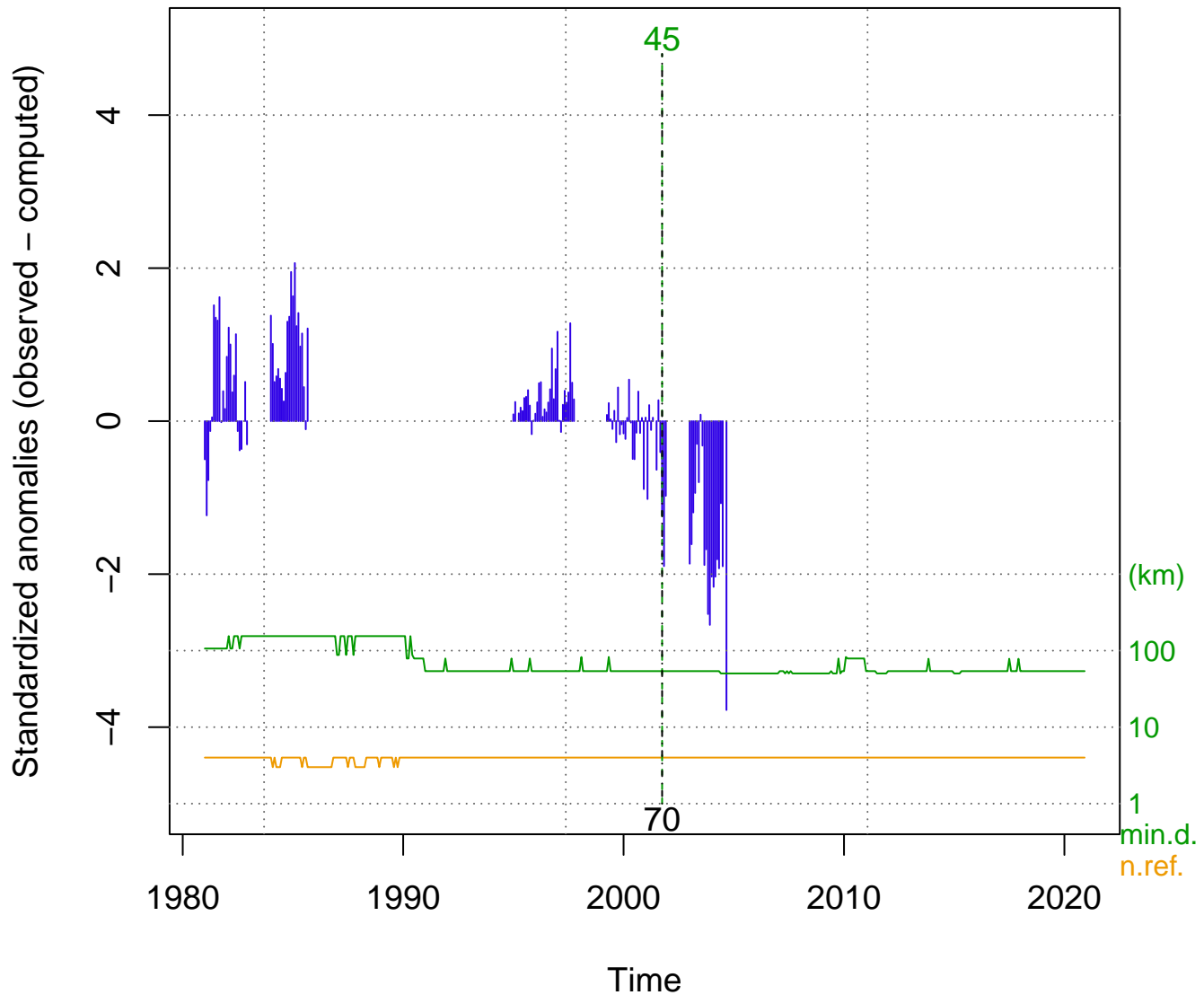
tmax-m 6 (107)
corque



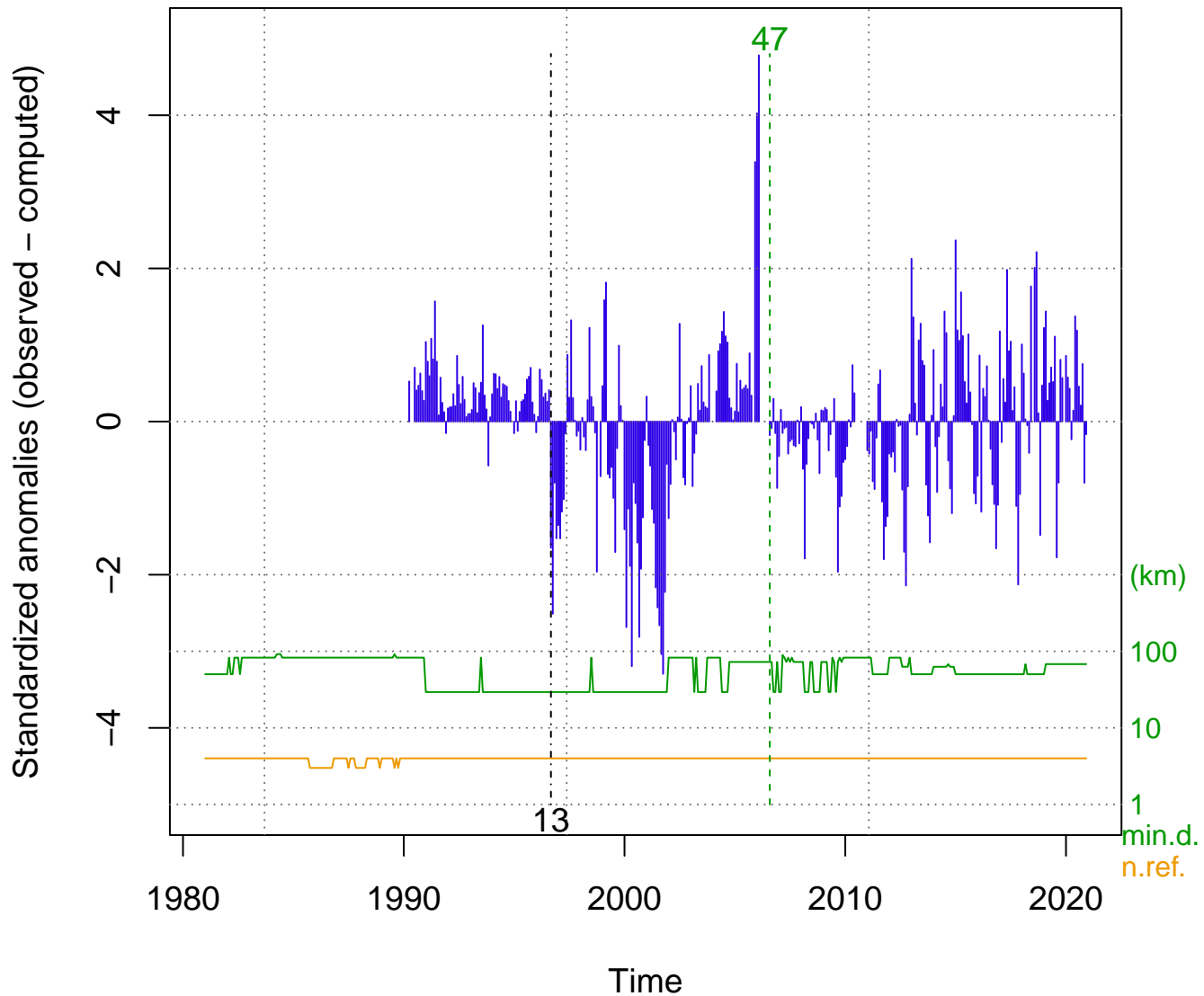
tmax-m 7 (108)
cosapa



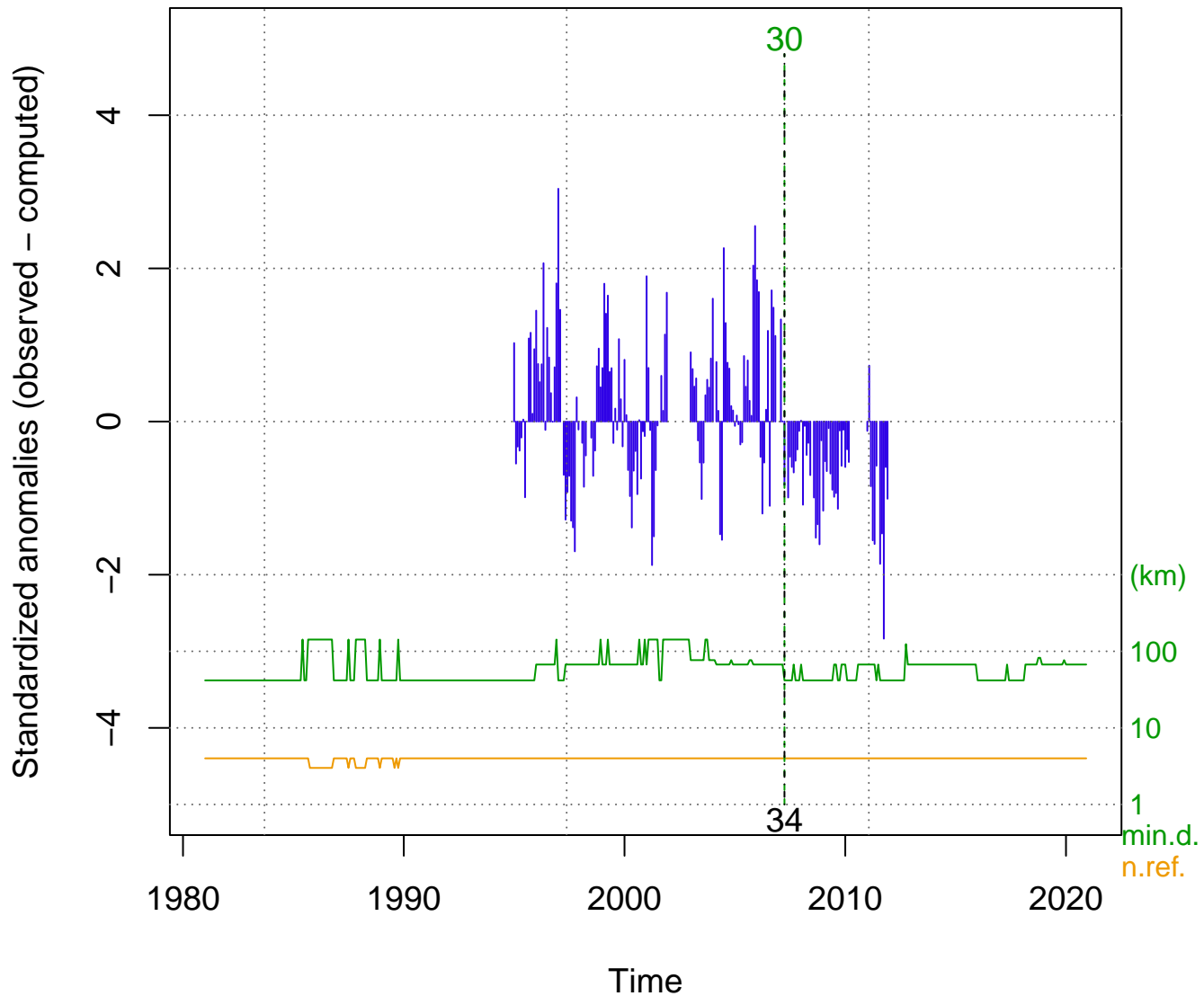
tmax-m 8 (111)
huachacalla



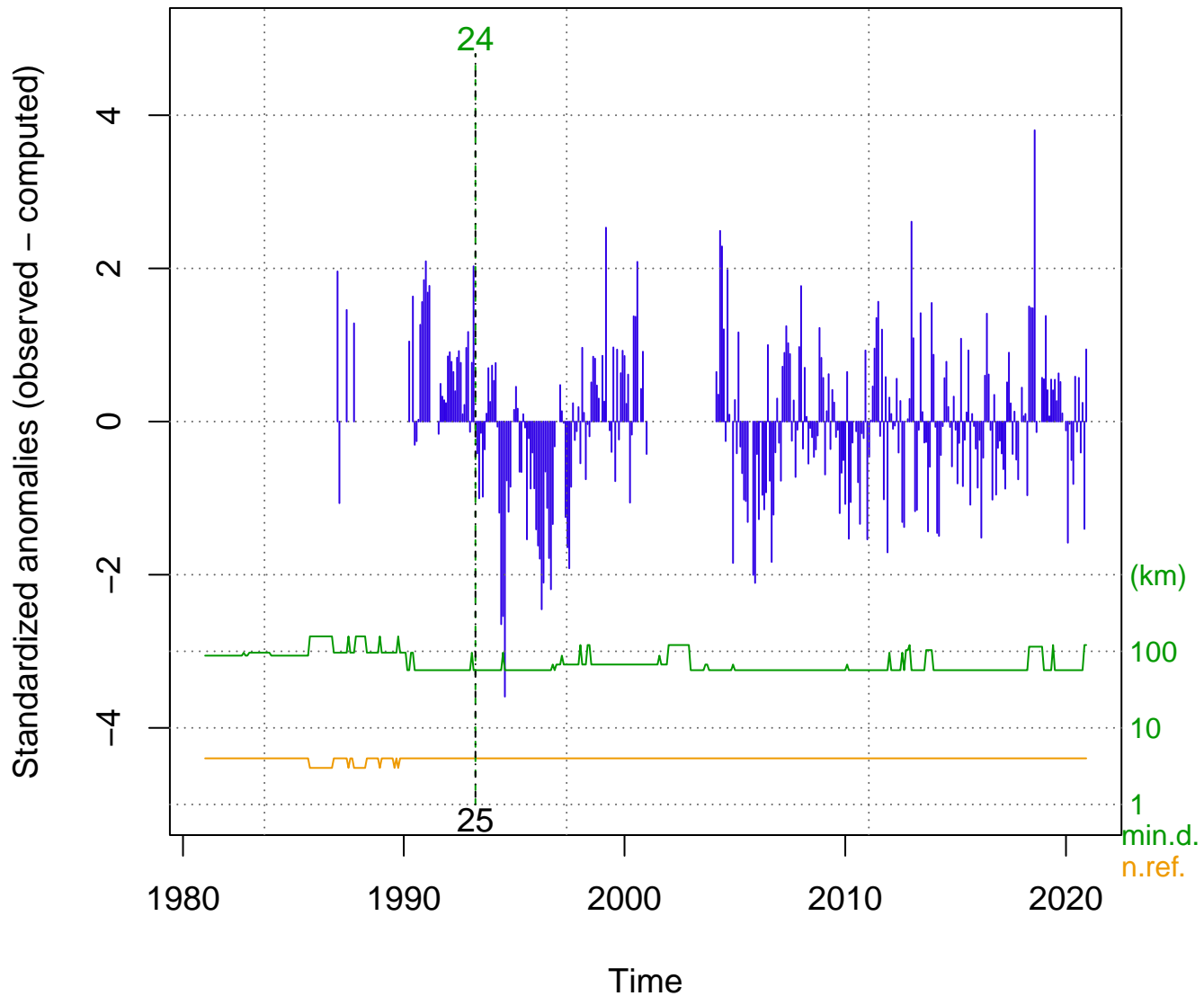
tmax-m 9 (112)
huayllamarca



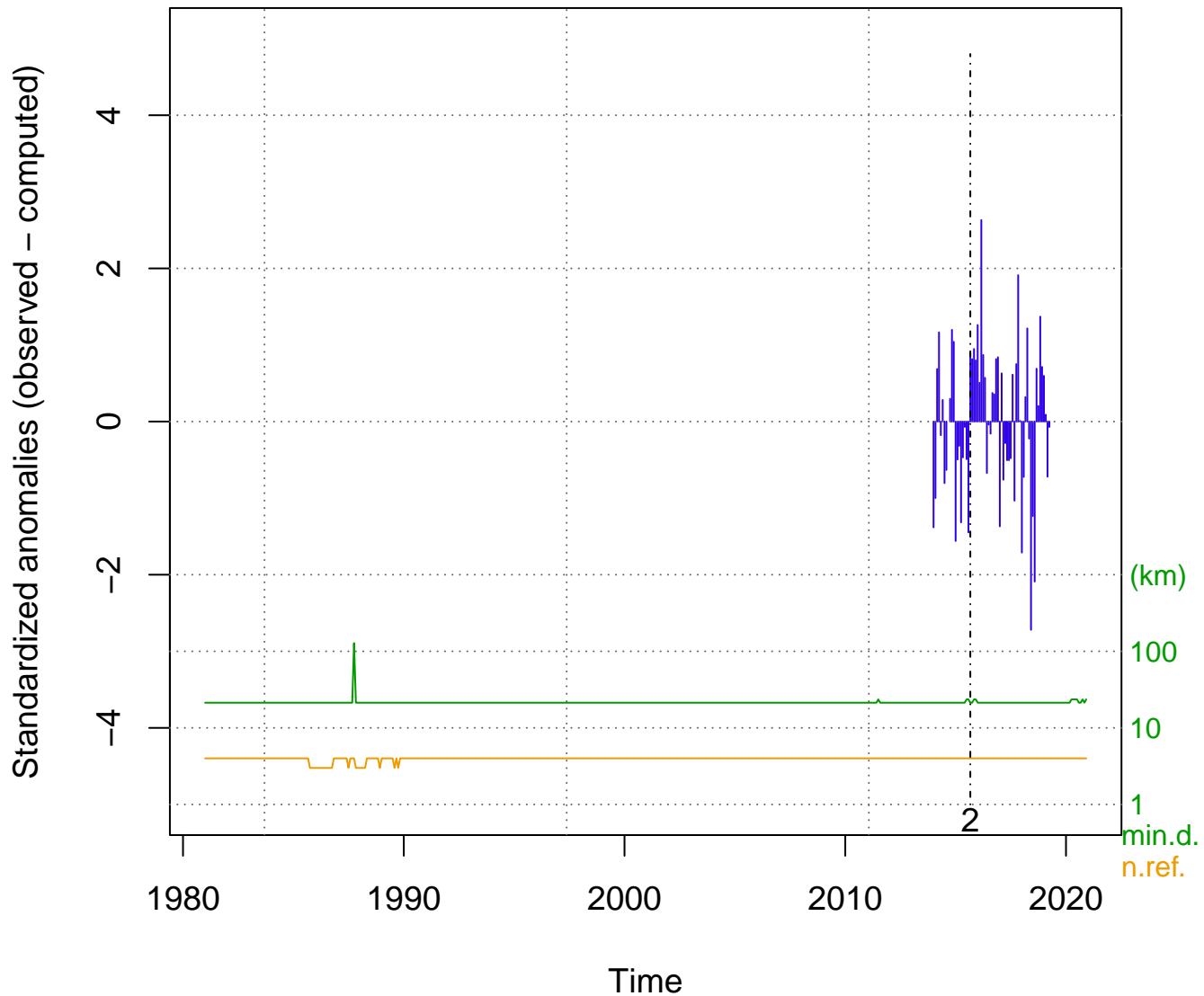
tmax-m 10 (113) quillacas



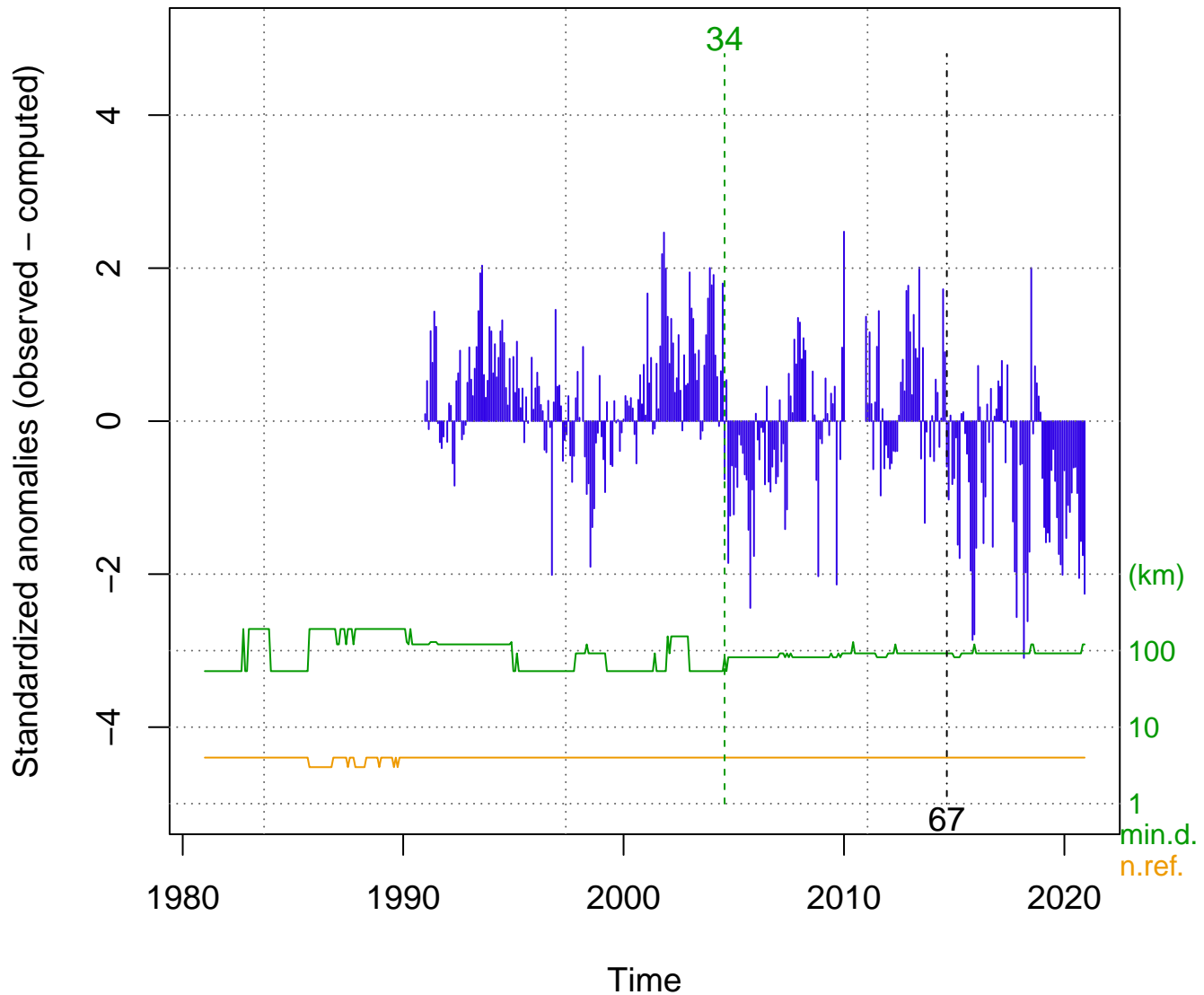
tmax-m 11 (114)
san_martin



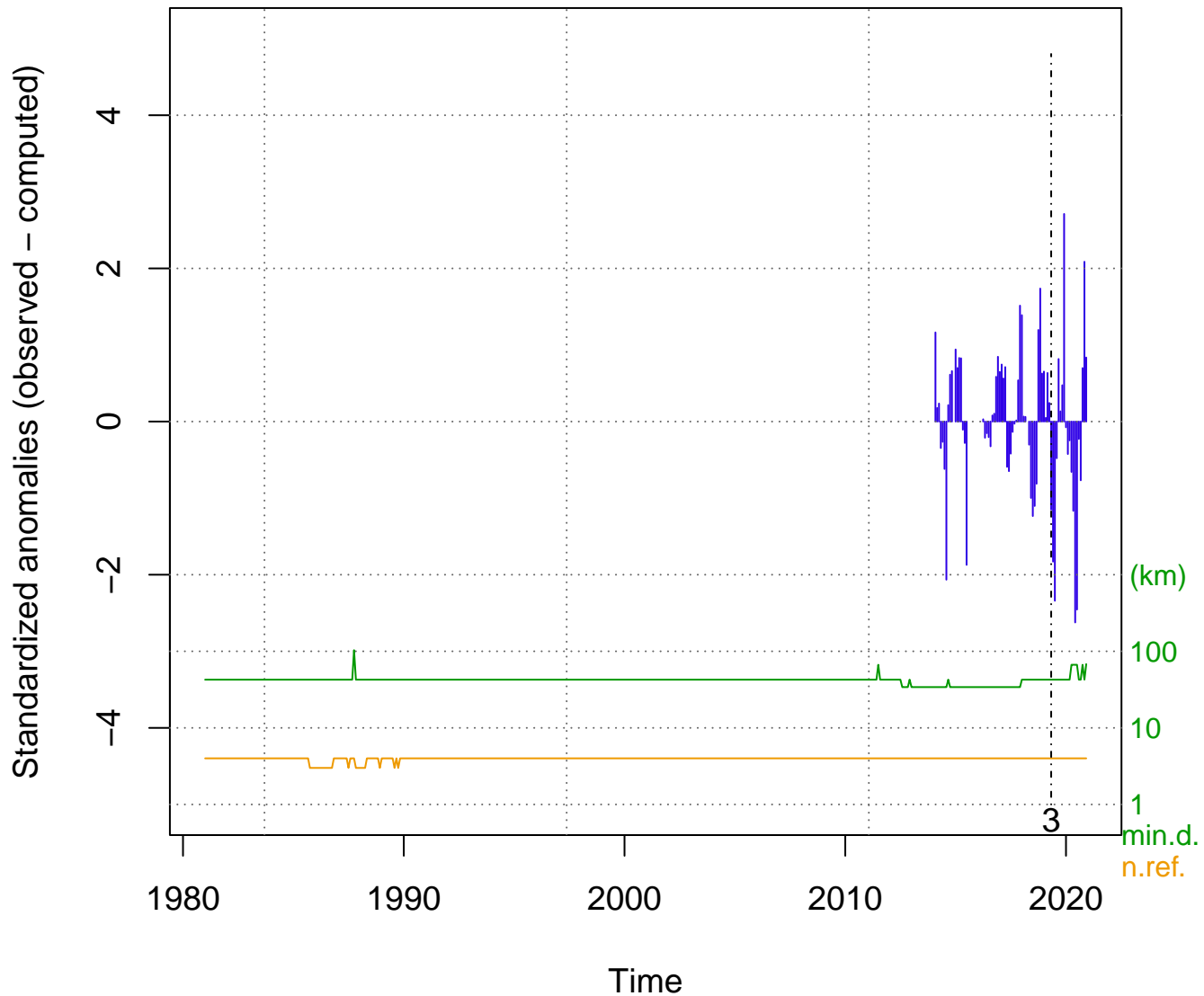
tmax-m 12 (115)
soracachi



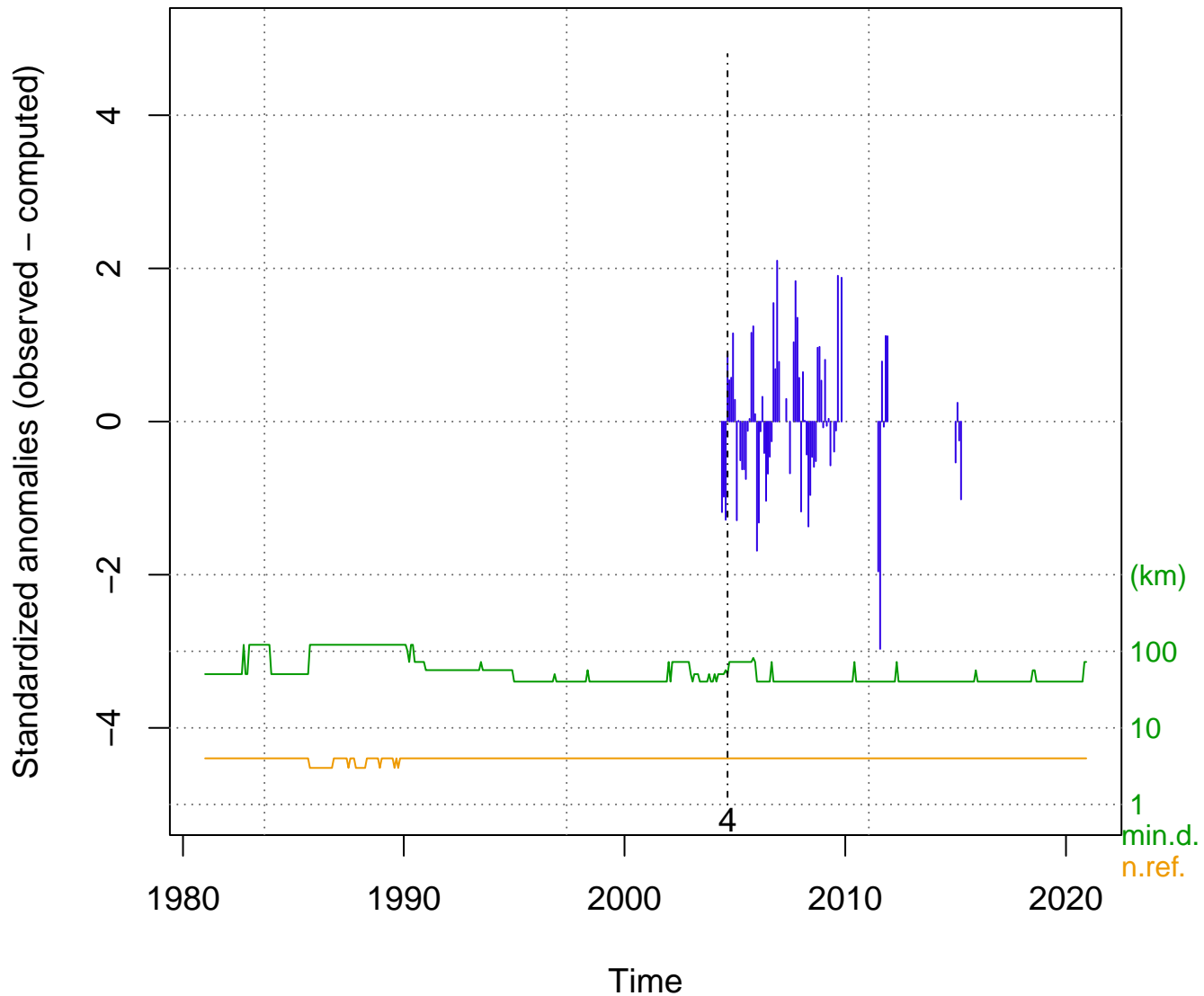
tmax-m 13 (116)
todo_santos



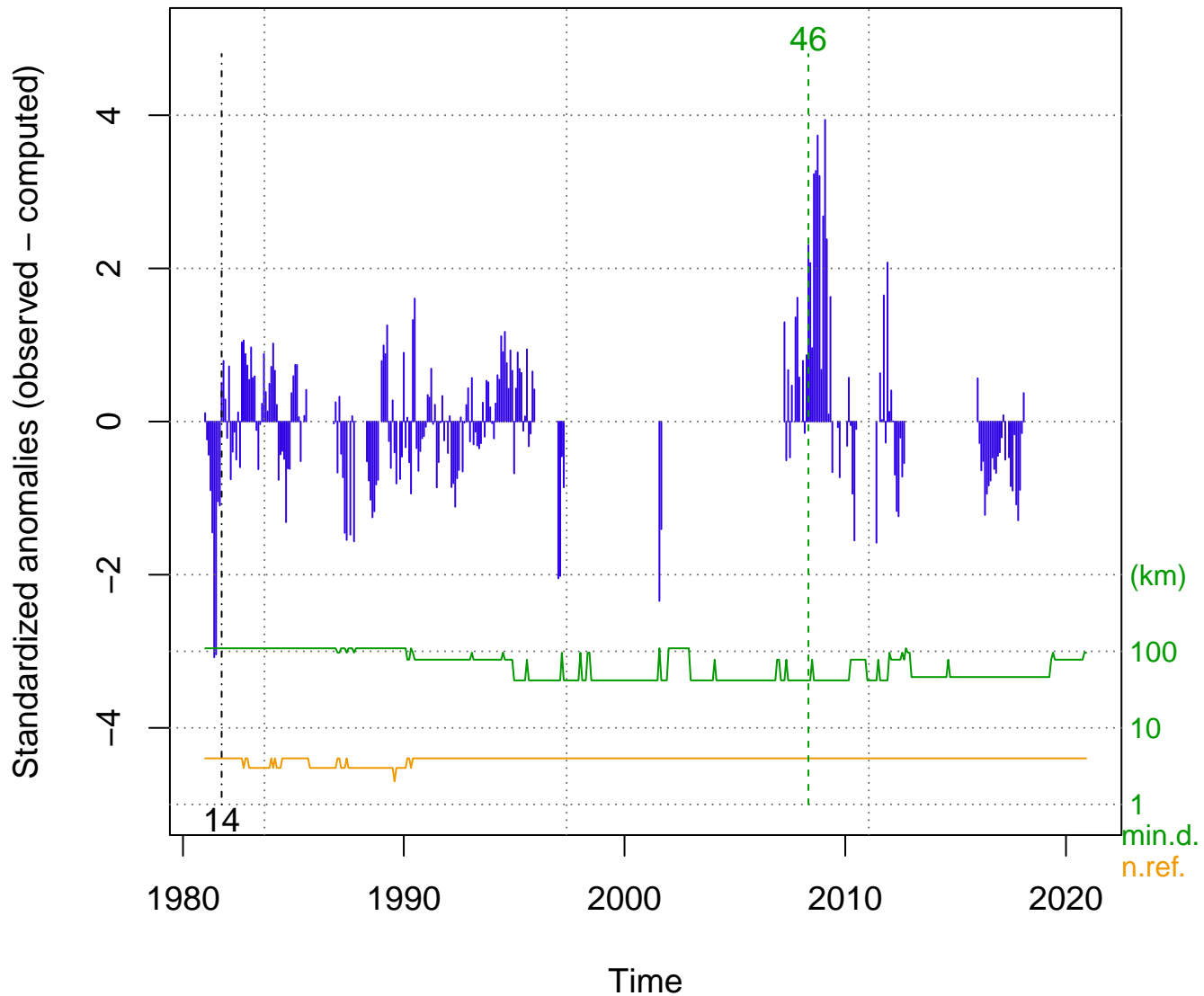
tmax-m 14 (117)
toledo



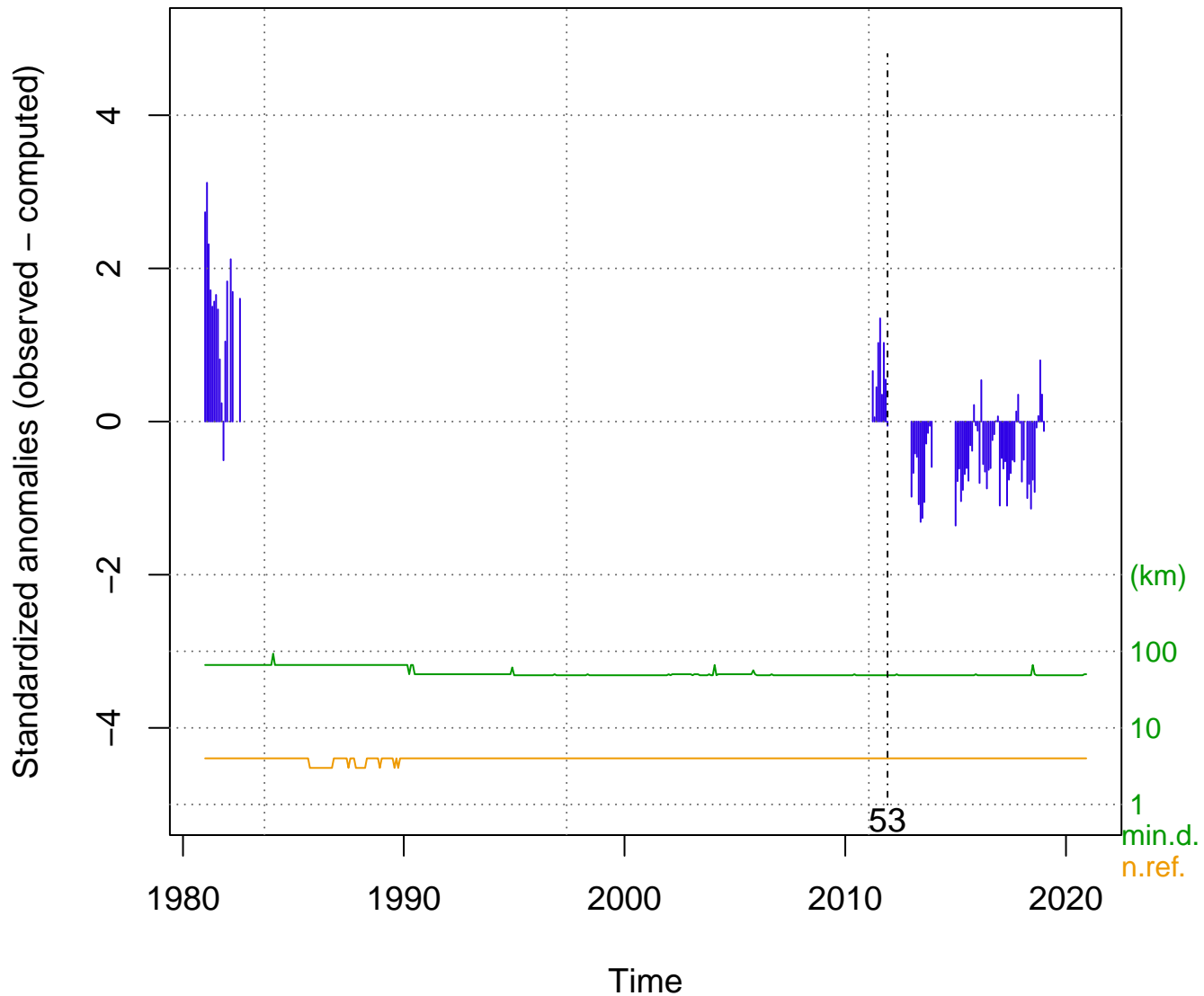
tmax-m 15 (118)
turco



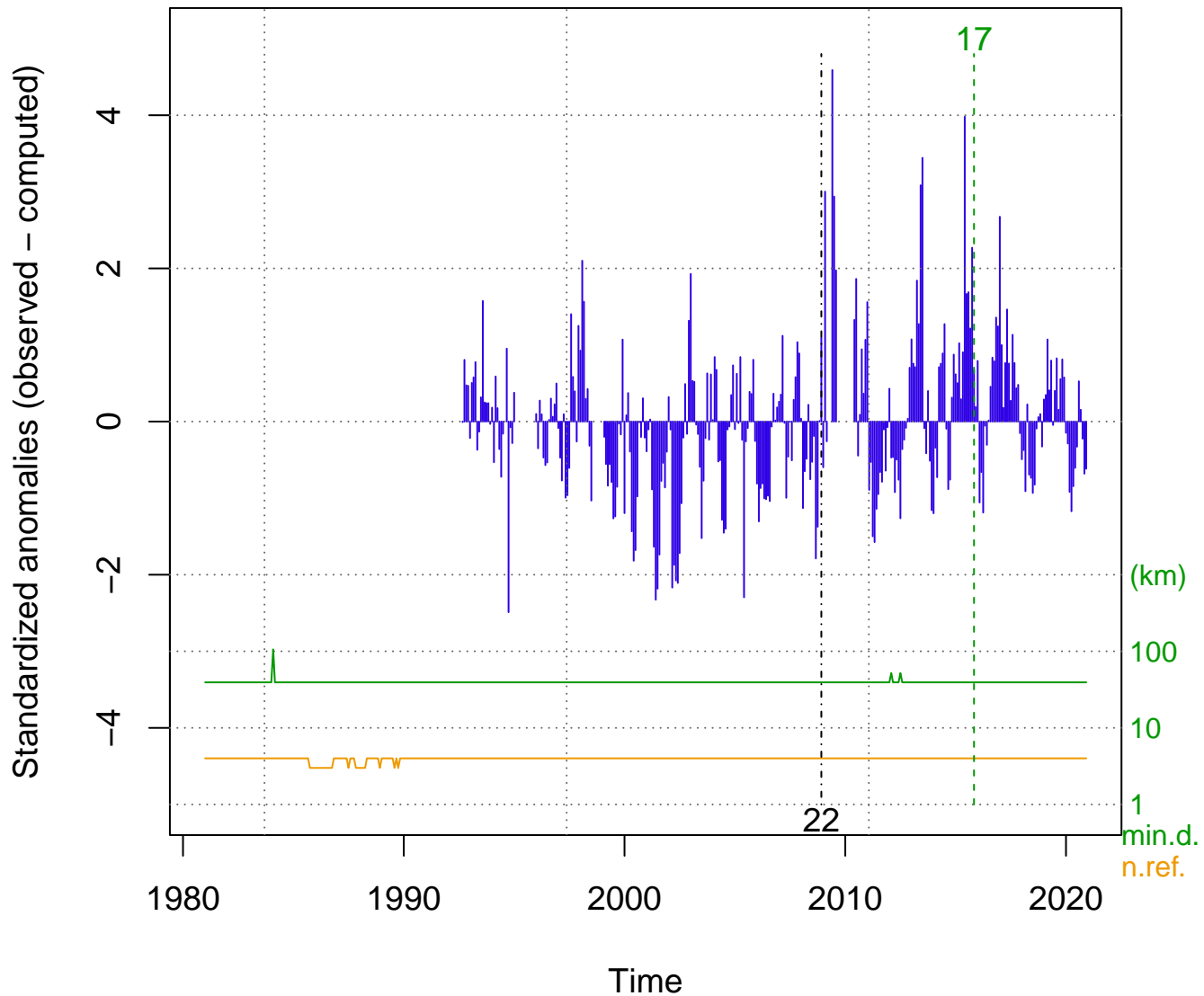
tmax-m 16 (120) challapata



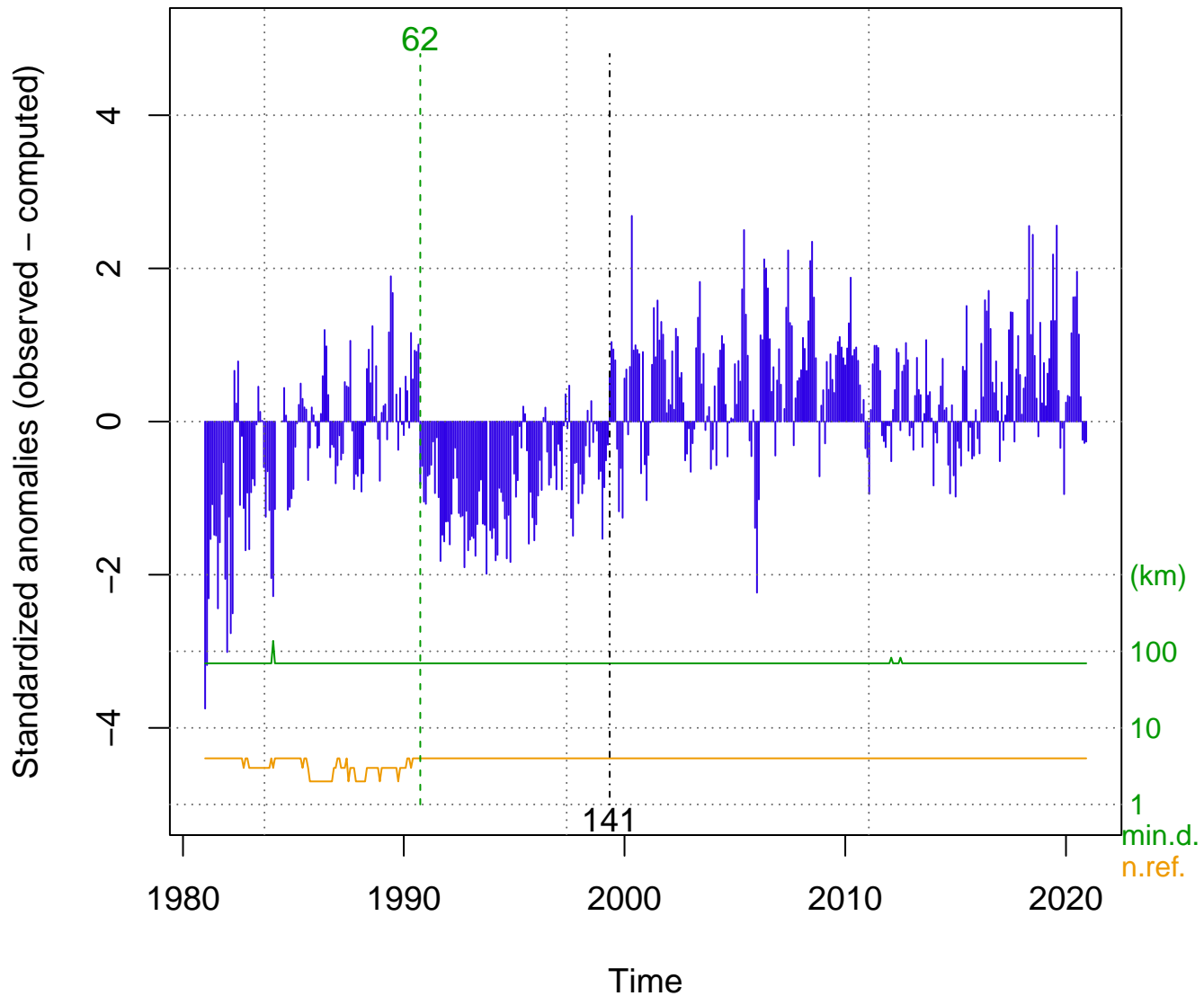
tmax-m 17 (121) curahuara



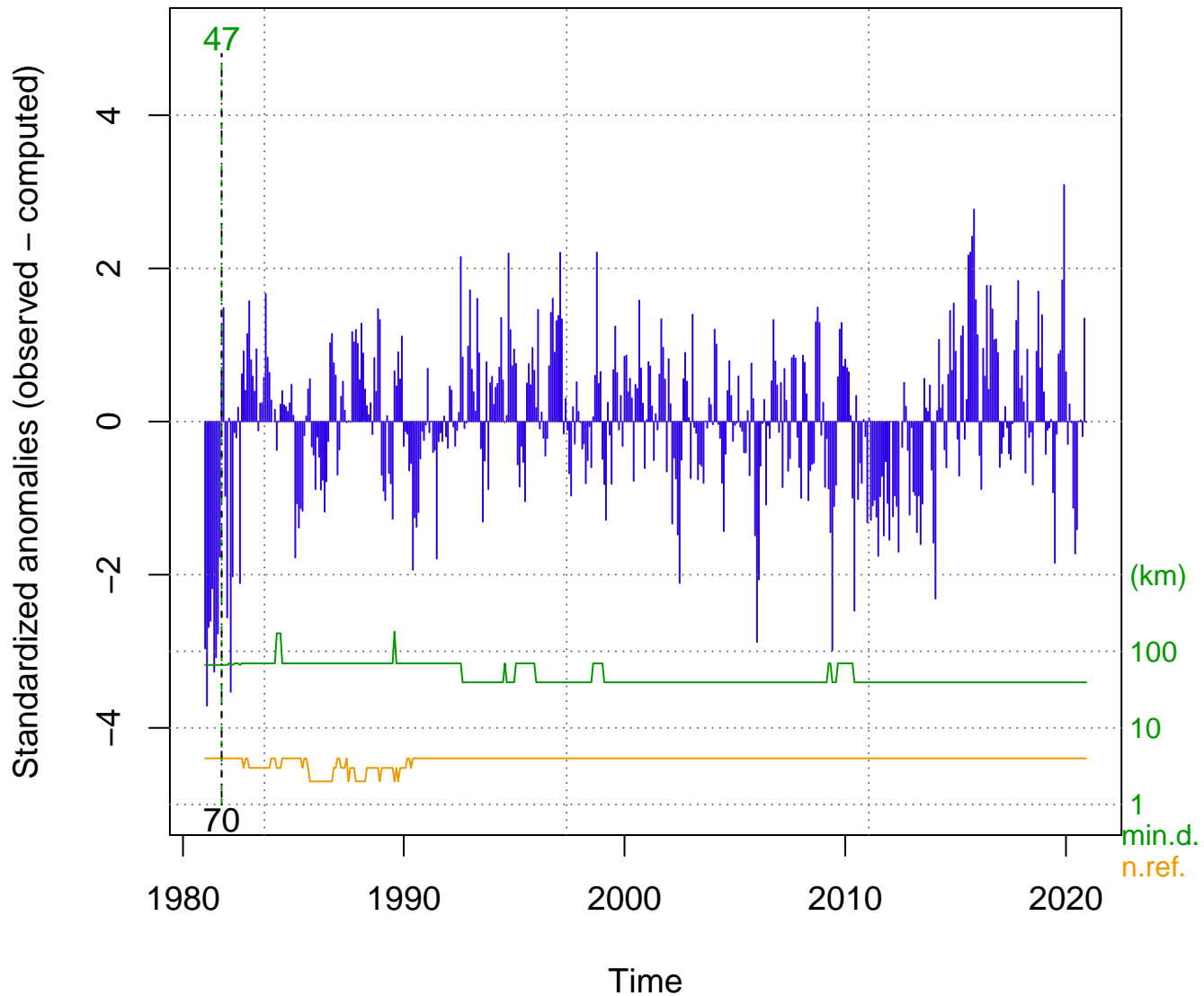
tmax-m 18 (200)
achiri



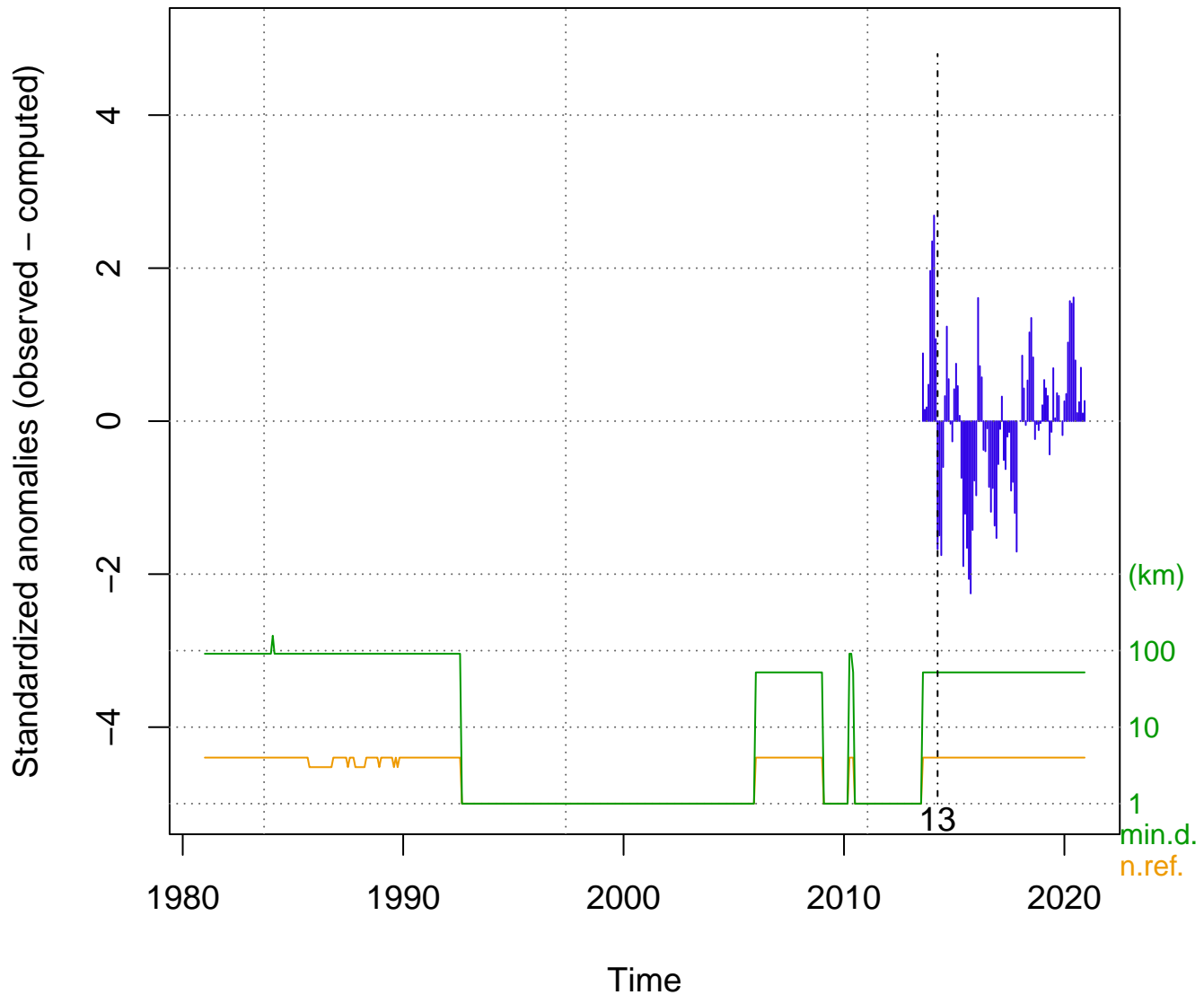
tmax-m 19 (201)
ayoayo



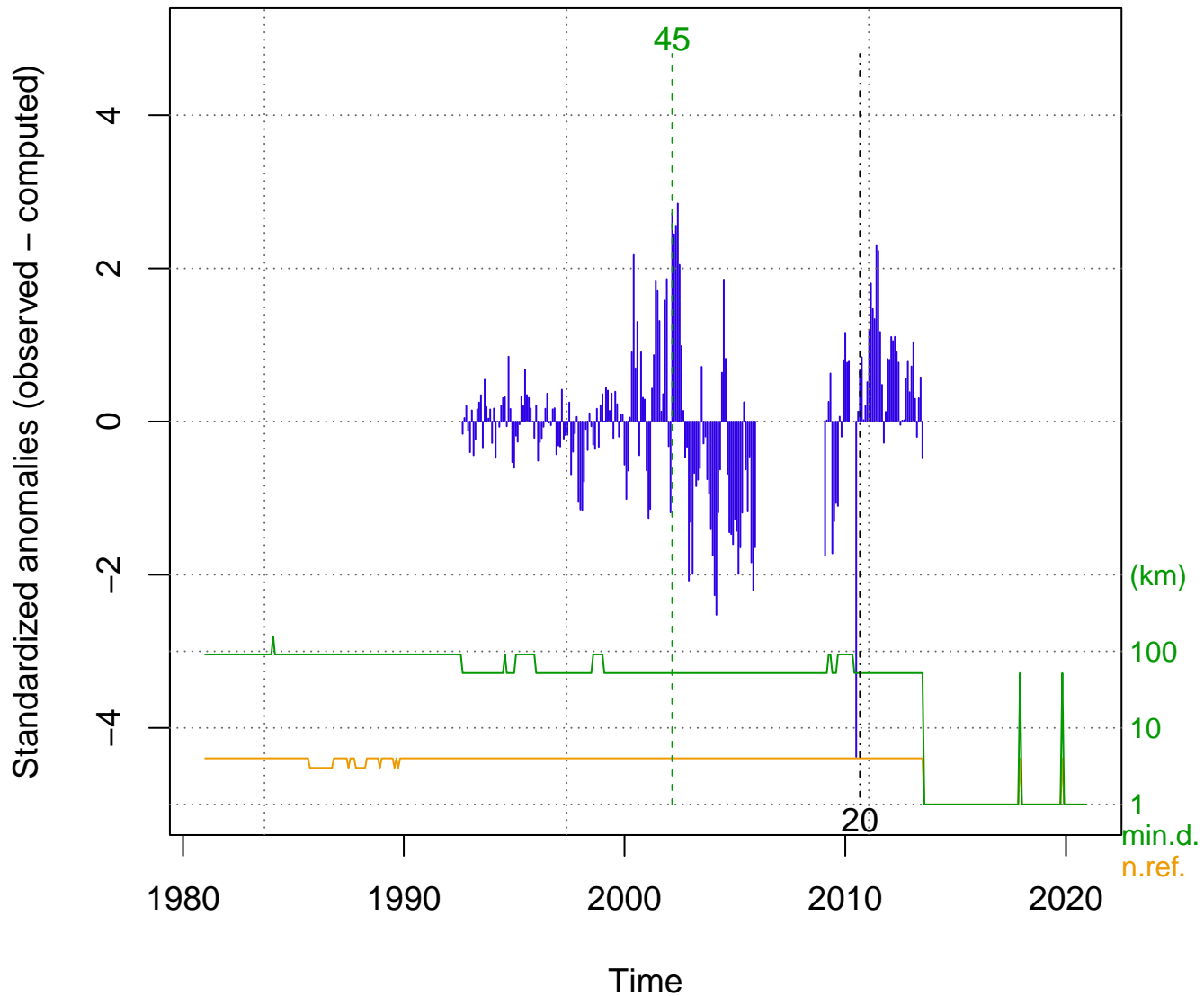
tmax-m 20 (203) calacoto



tmax-m 21 (204)
catacora



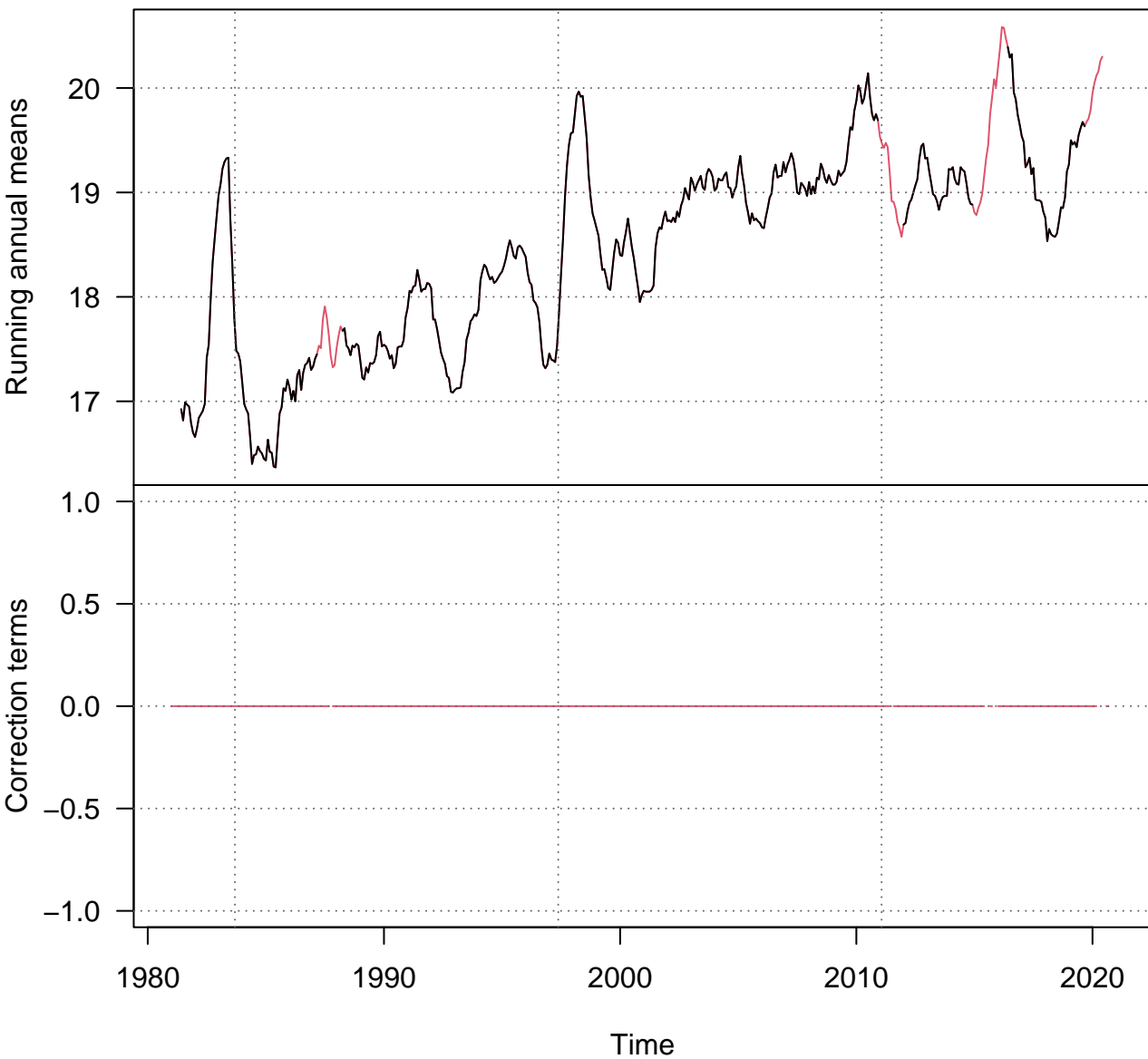
tmax-m 22 (204-2)
catacora-2



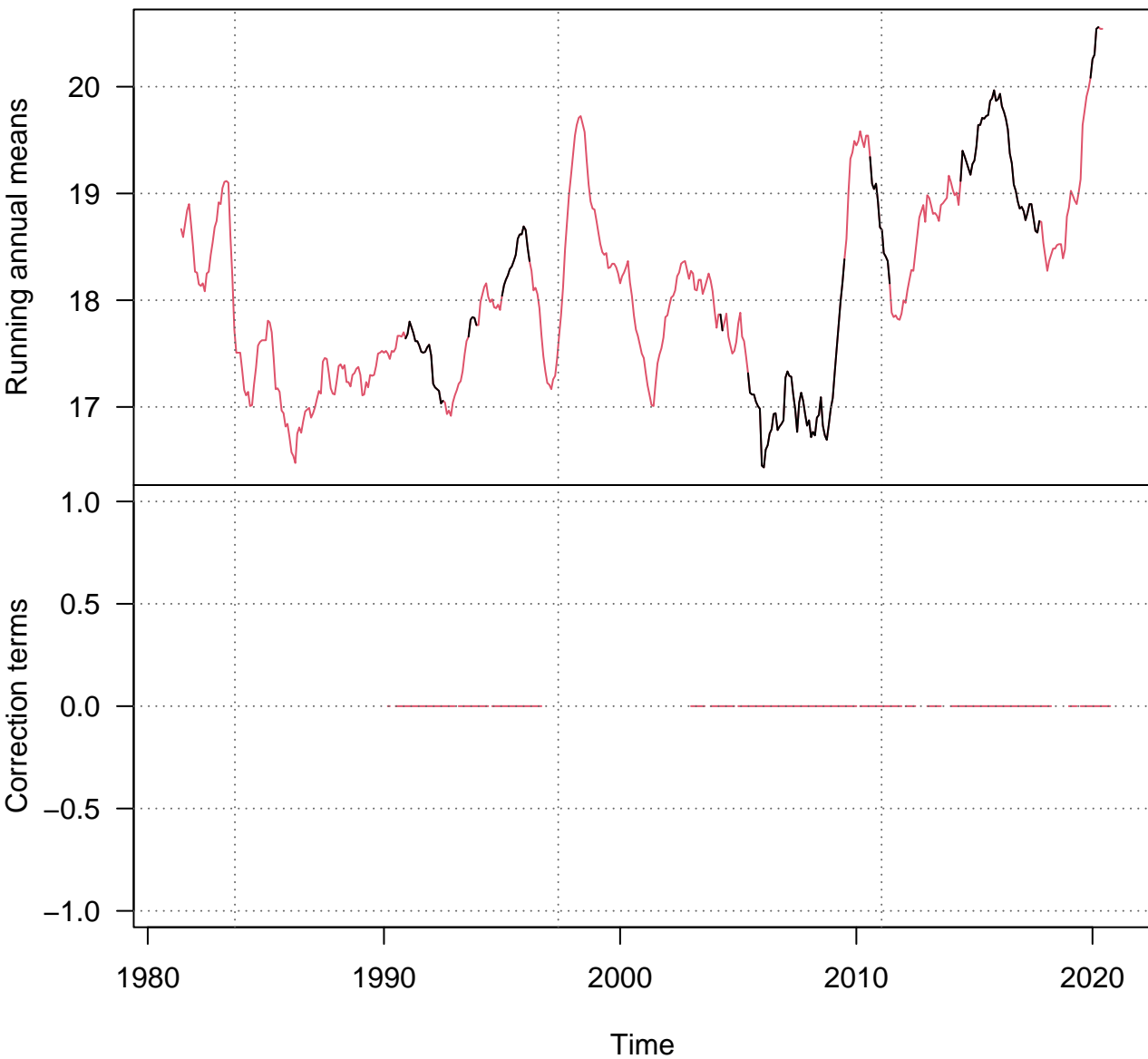
Final graphics

Adjusted series and
applied corrections

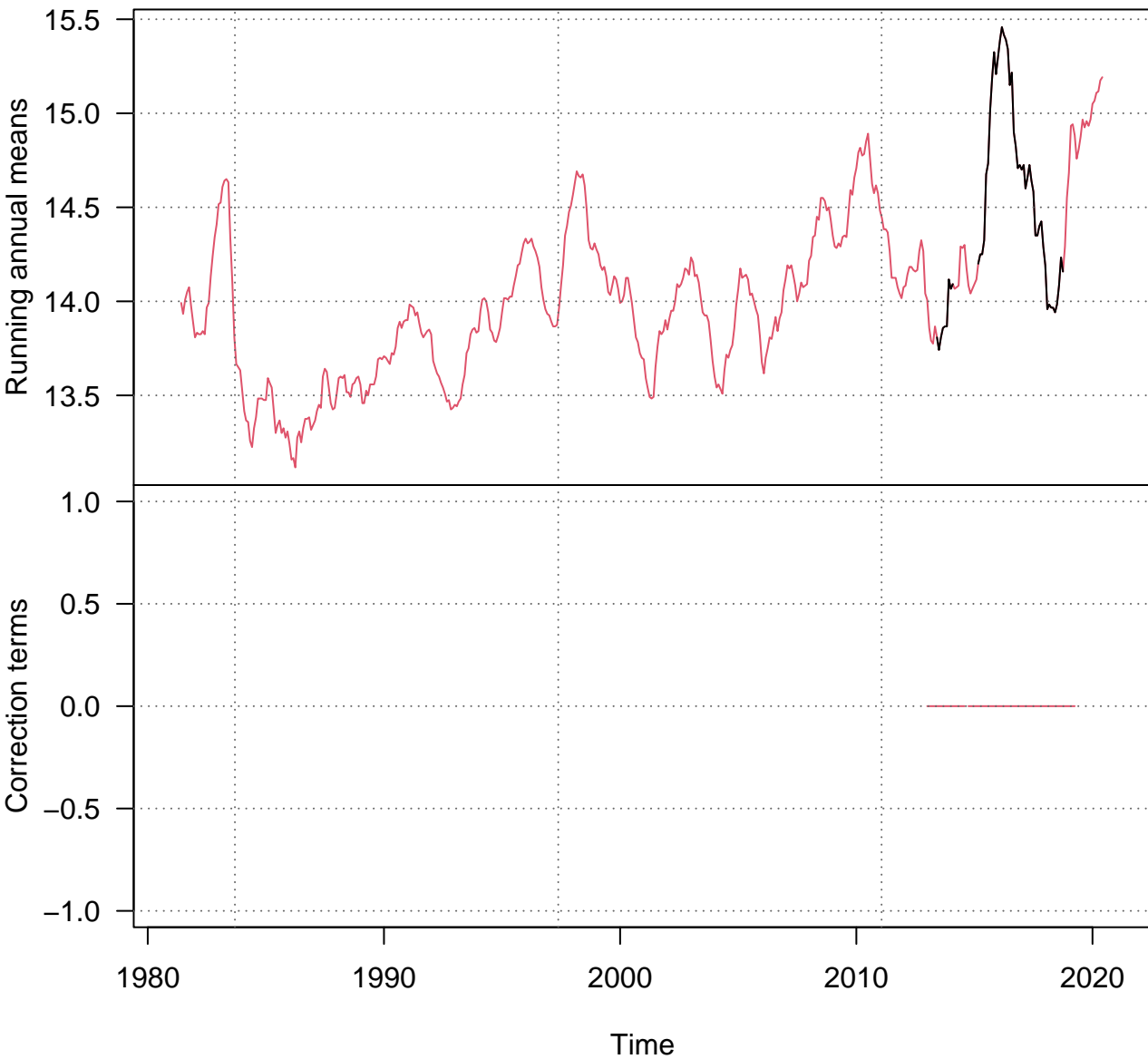
tmax-m 1 (100)
aeropuerto



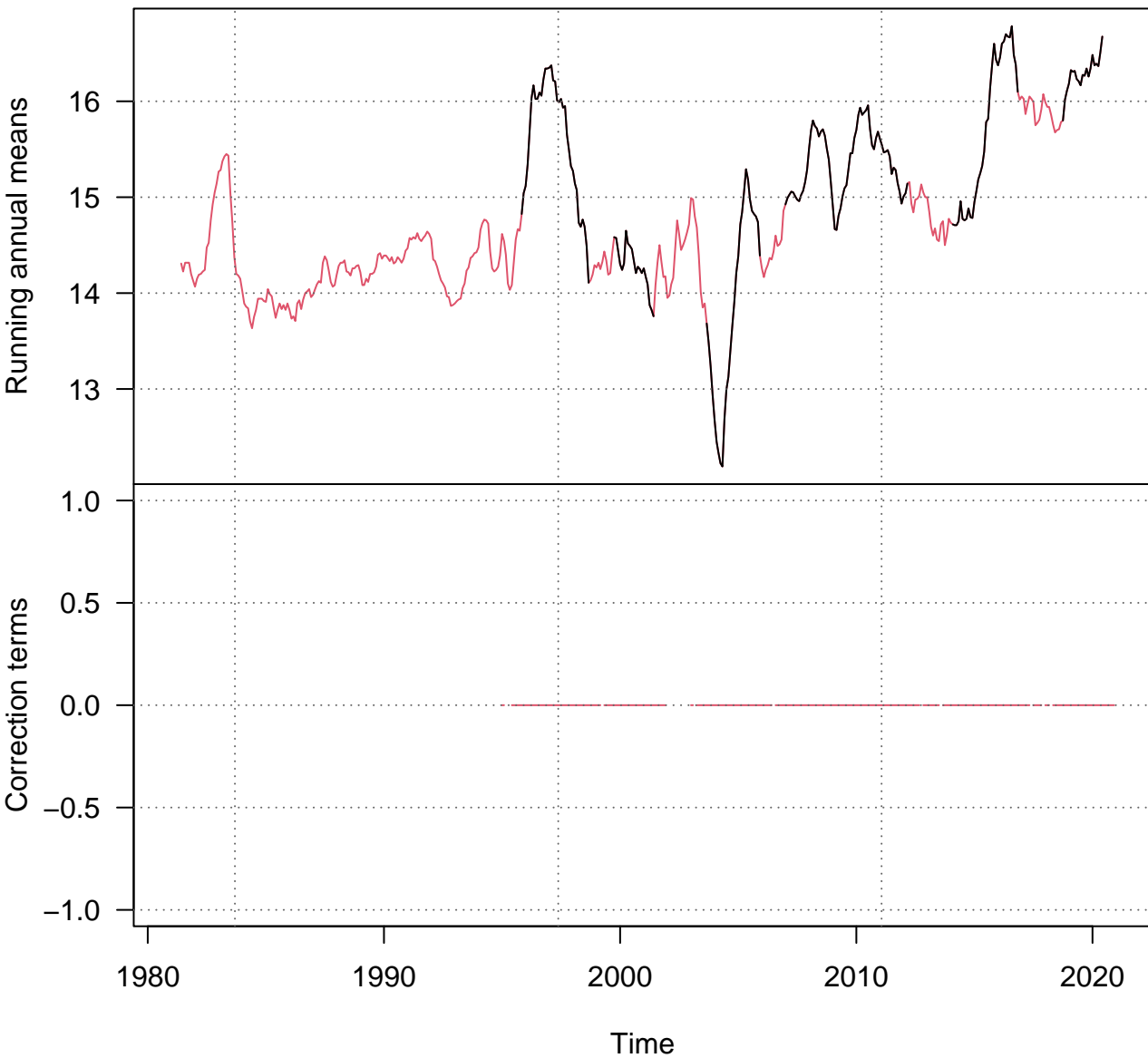
tmax-m 2 (101)
andamarca



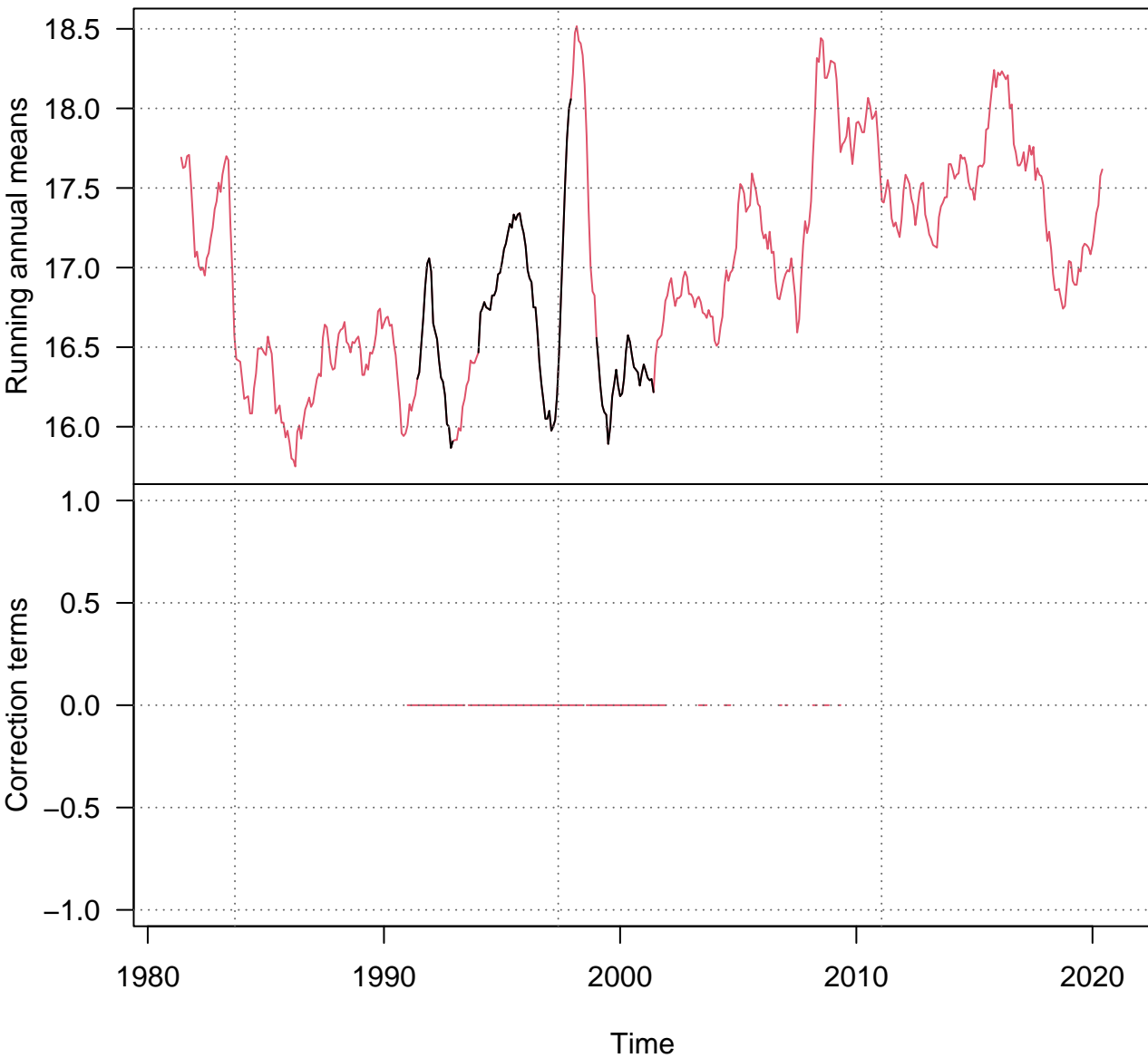
tmax-m 3 (102)
antequera



tmax-m 4 (105)
chillca

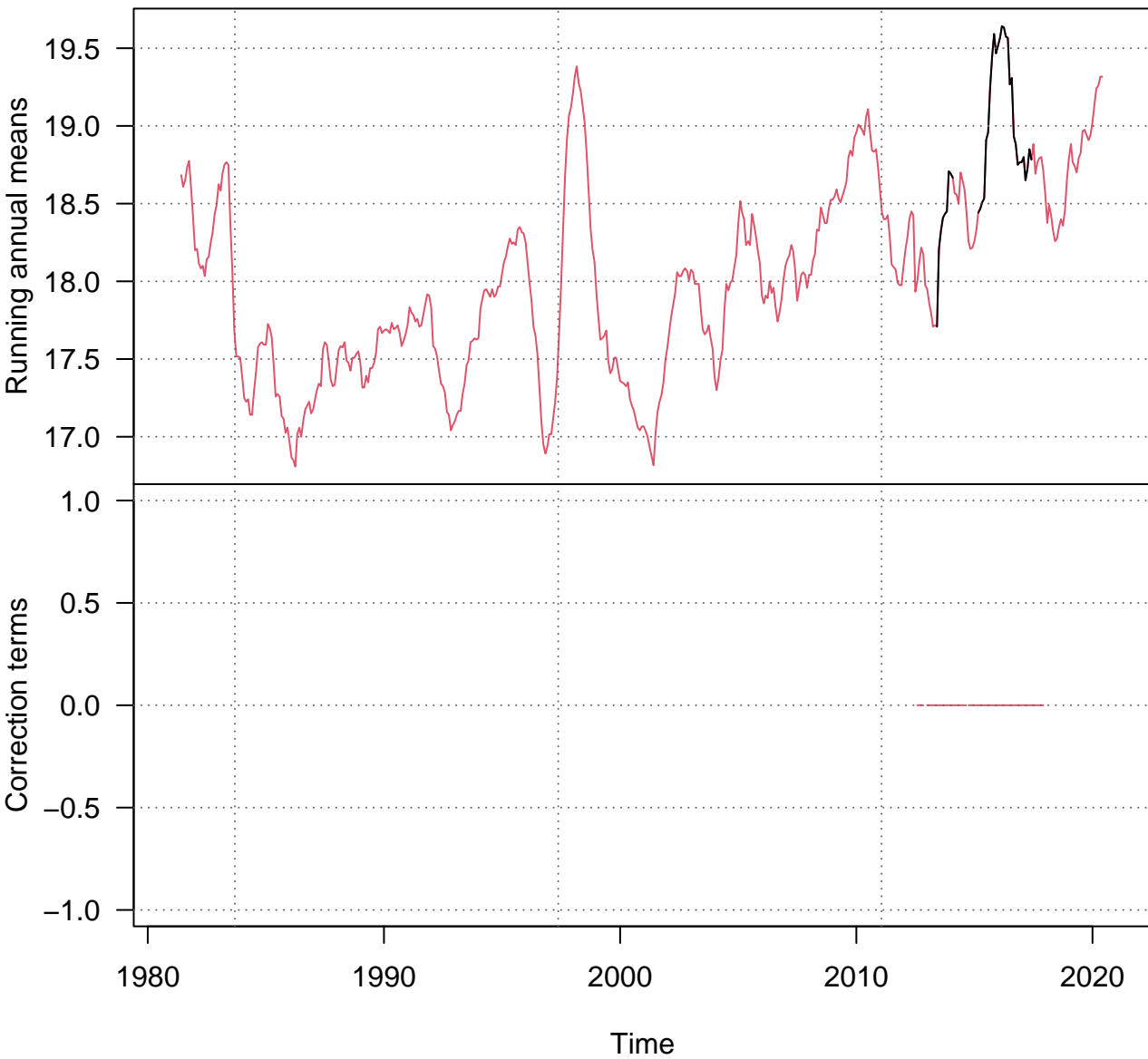


tmax-m 5 (106)
choquecota

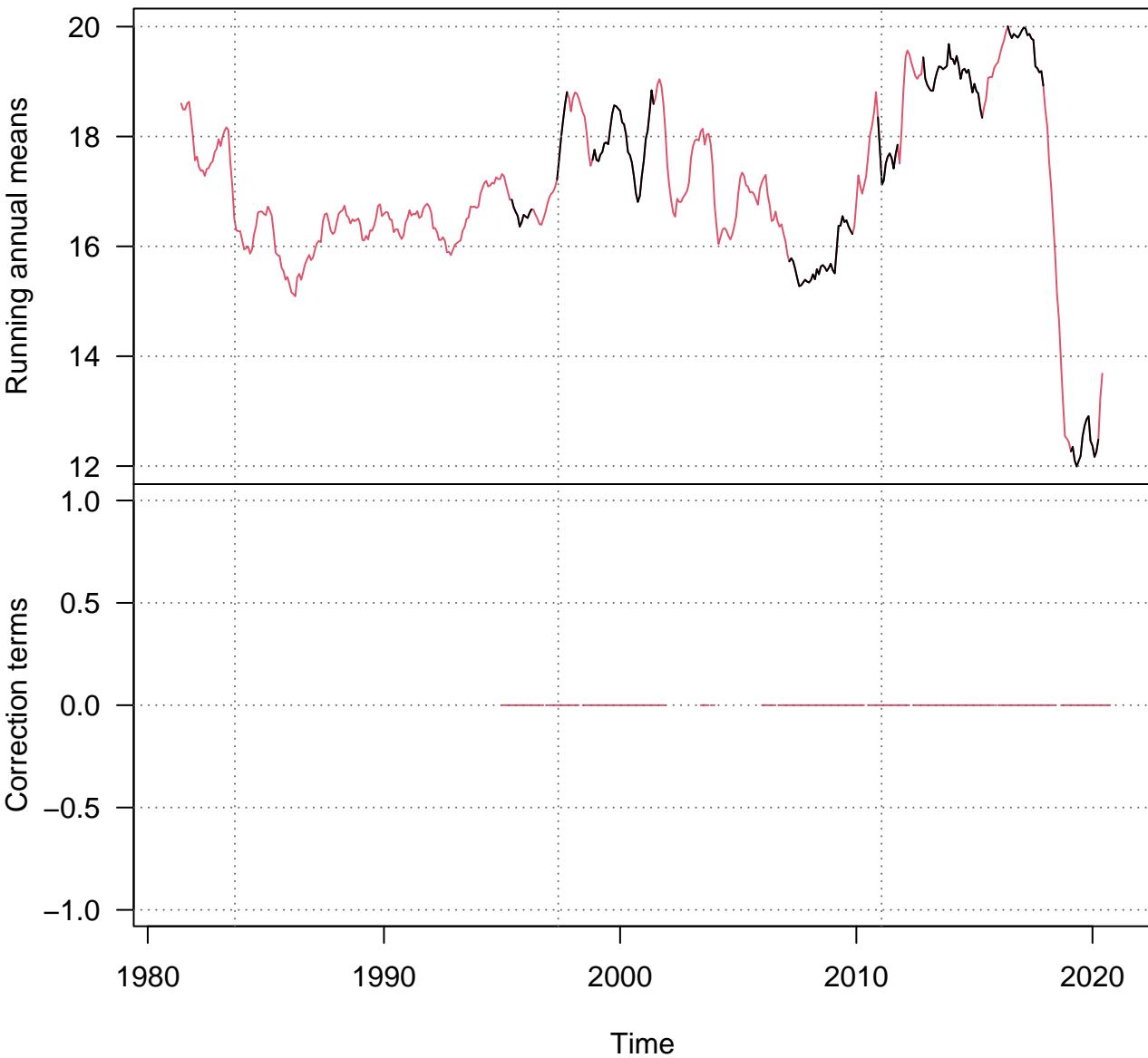


tmax-m 6 (107)

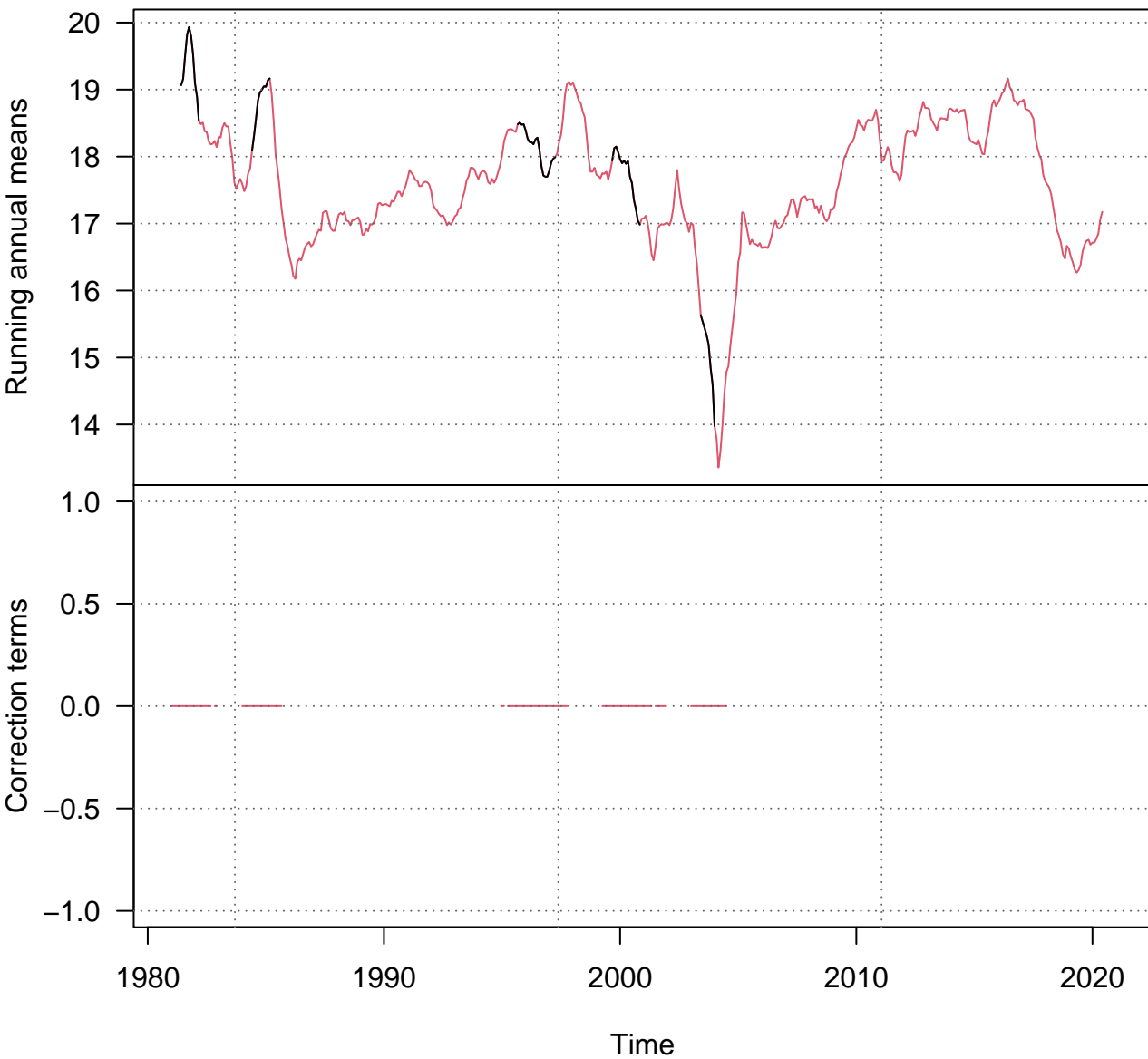
corque



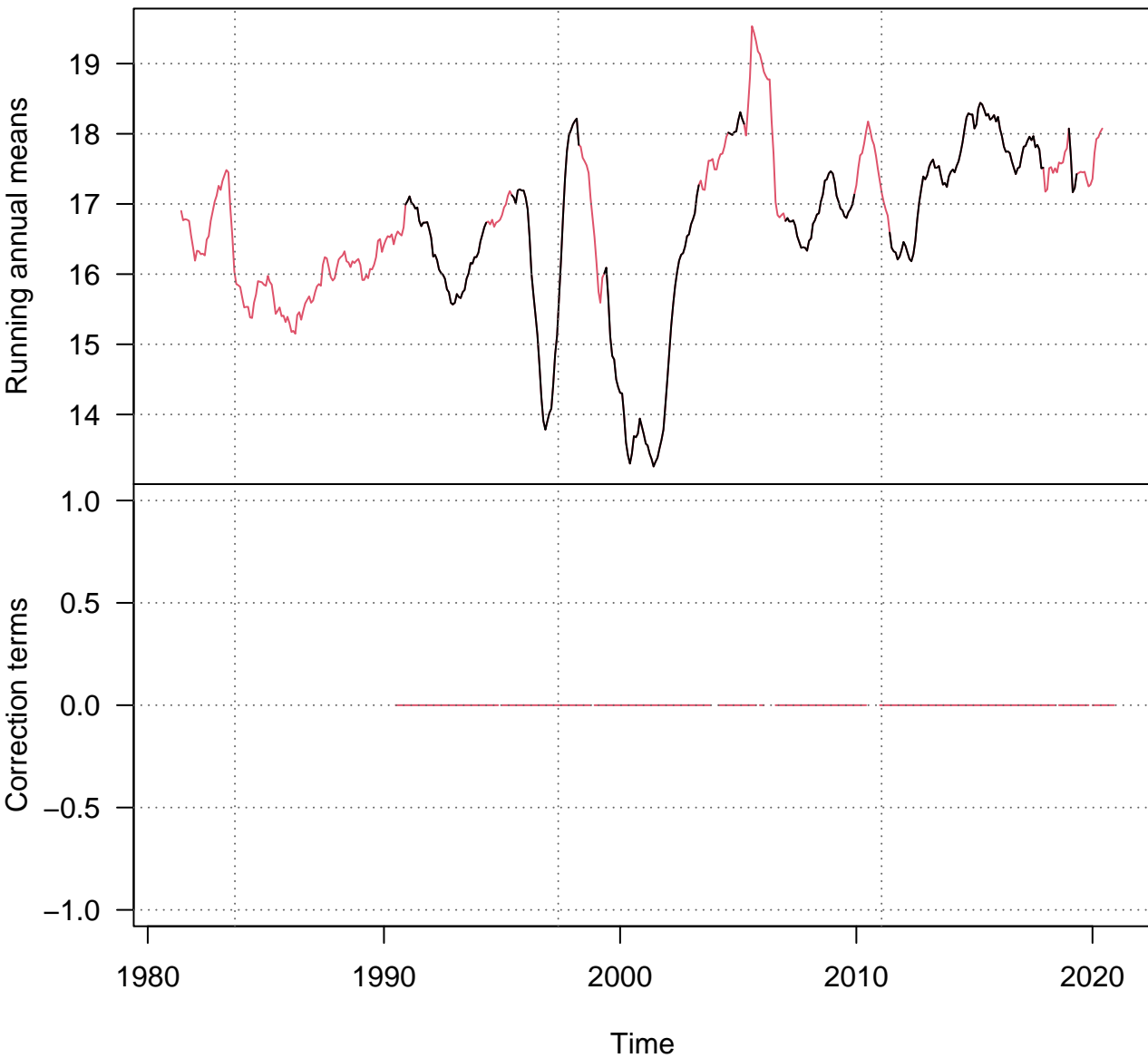
tmax-m 7 (108)
cosapa



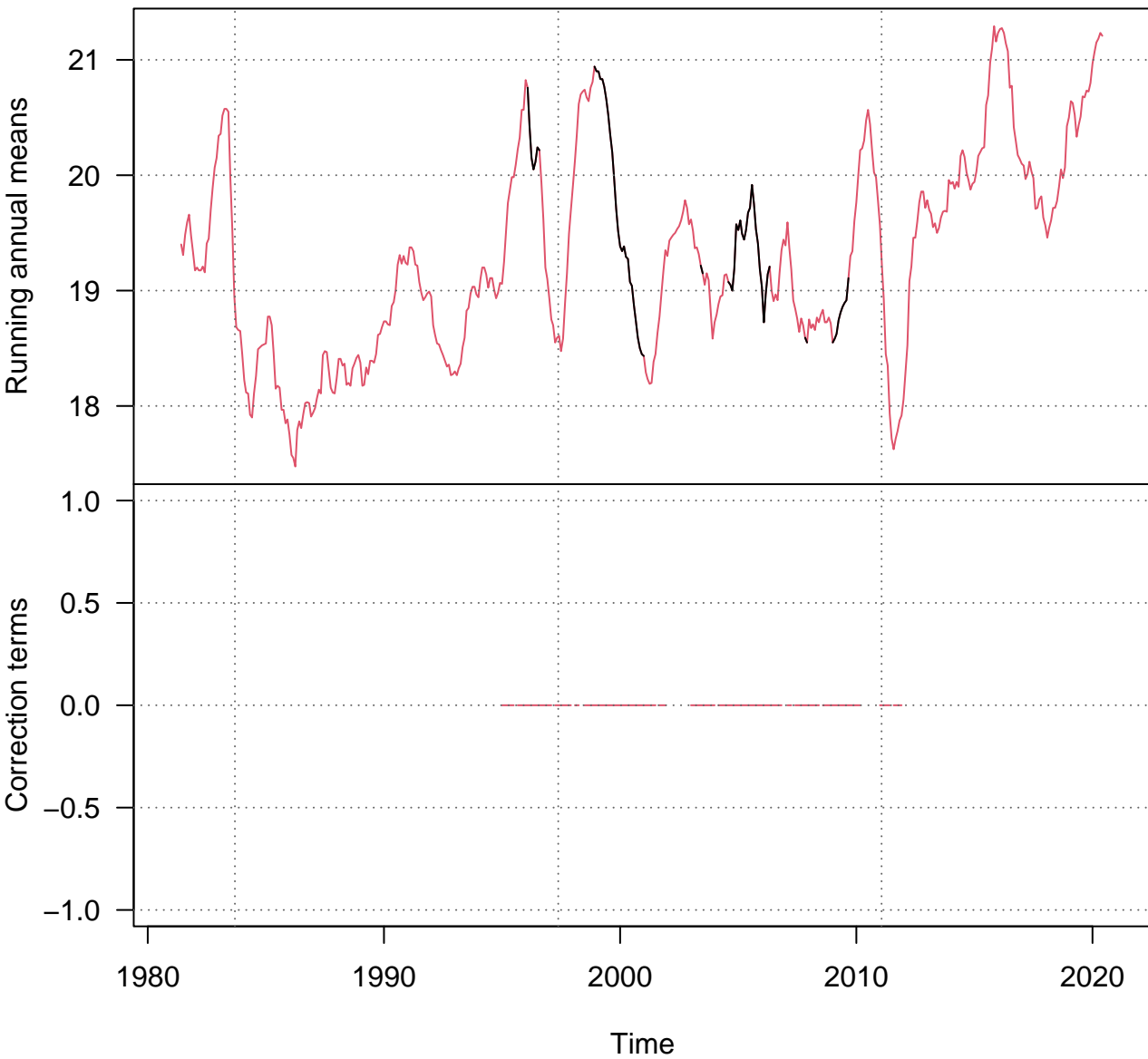
tmax-m 8 (111)
huachacalla



tmax-m 9 (112)
huayllamarca

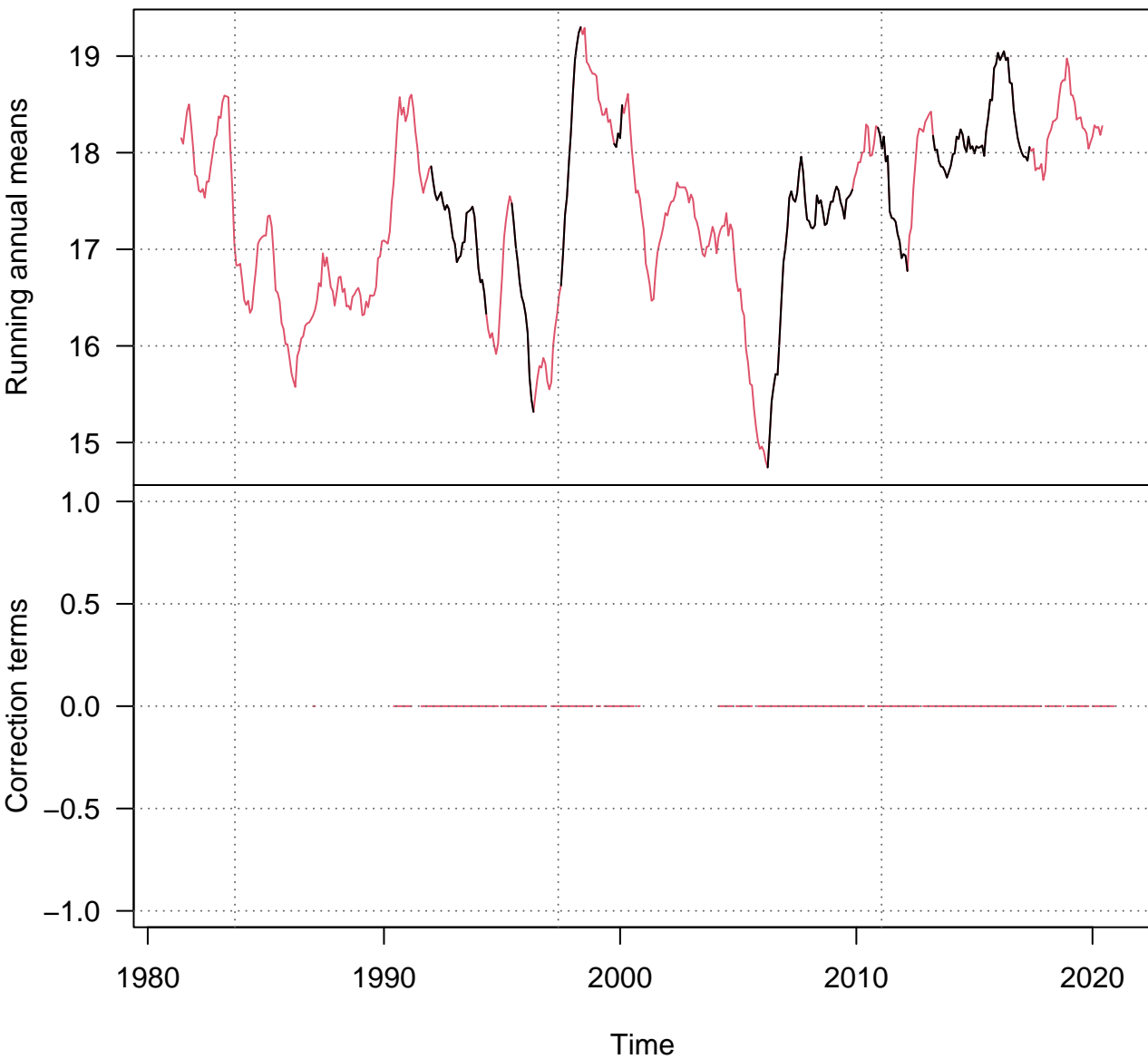


tmax-m 10 (113)
quillacas

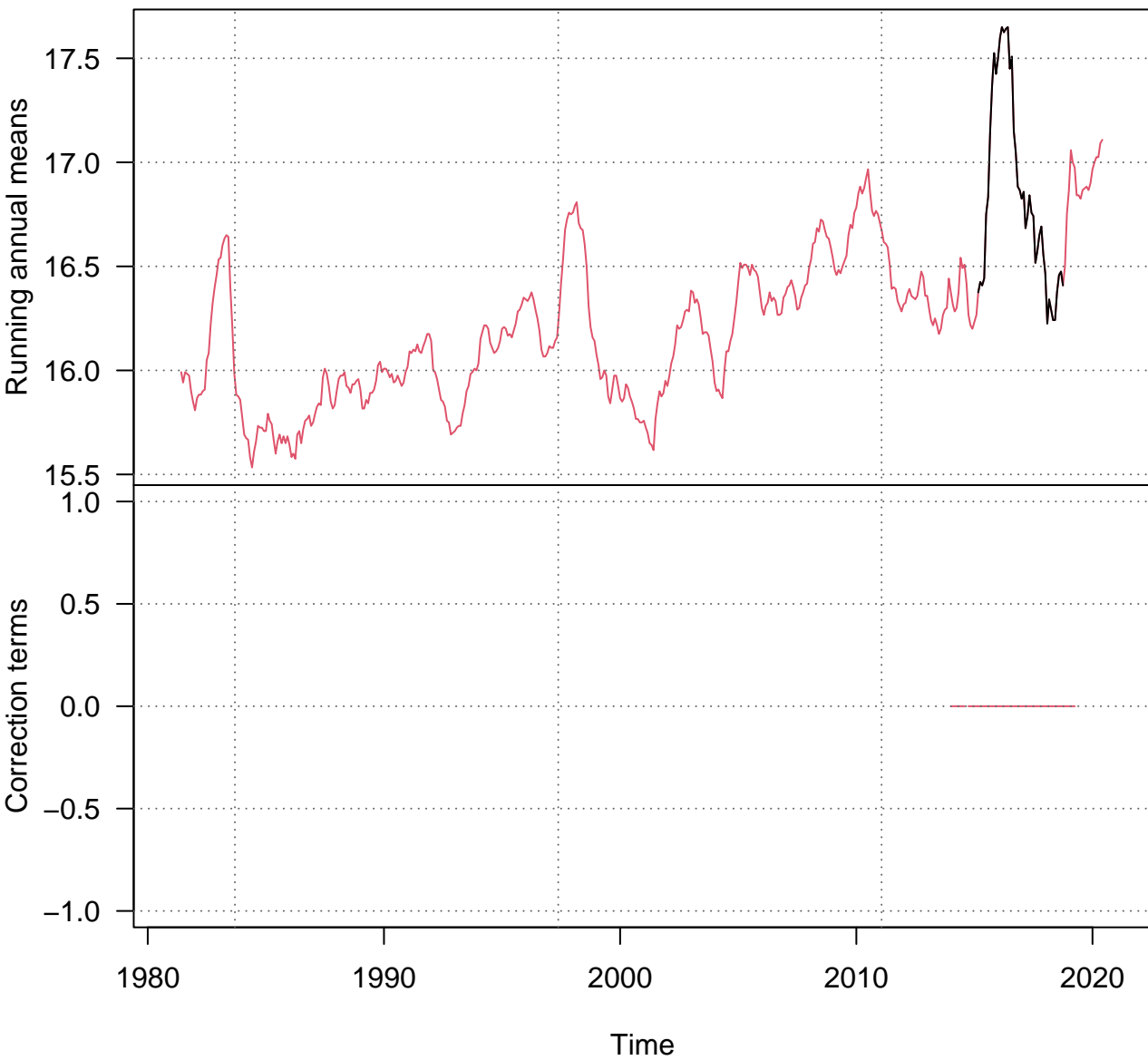


tmax-m 11 (114)

san_martin

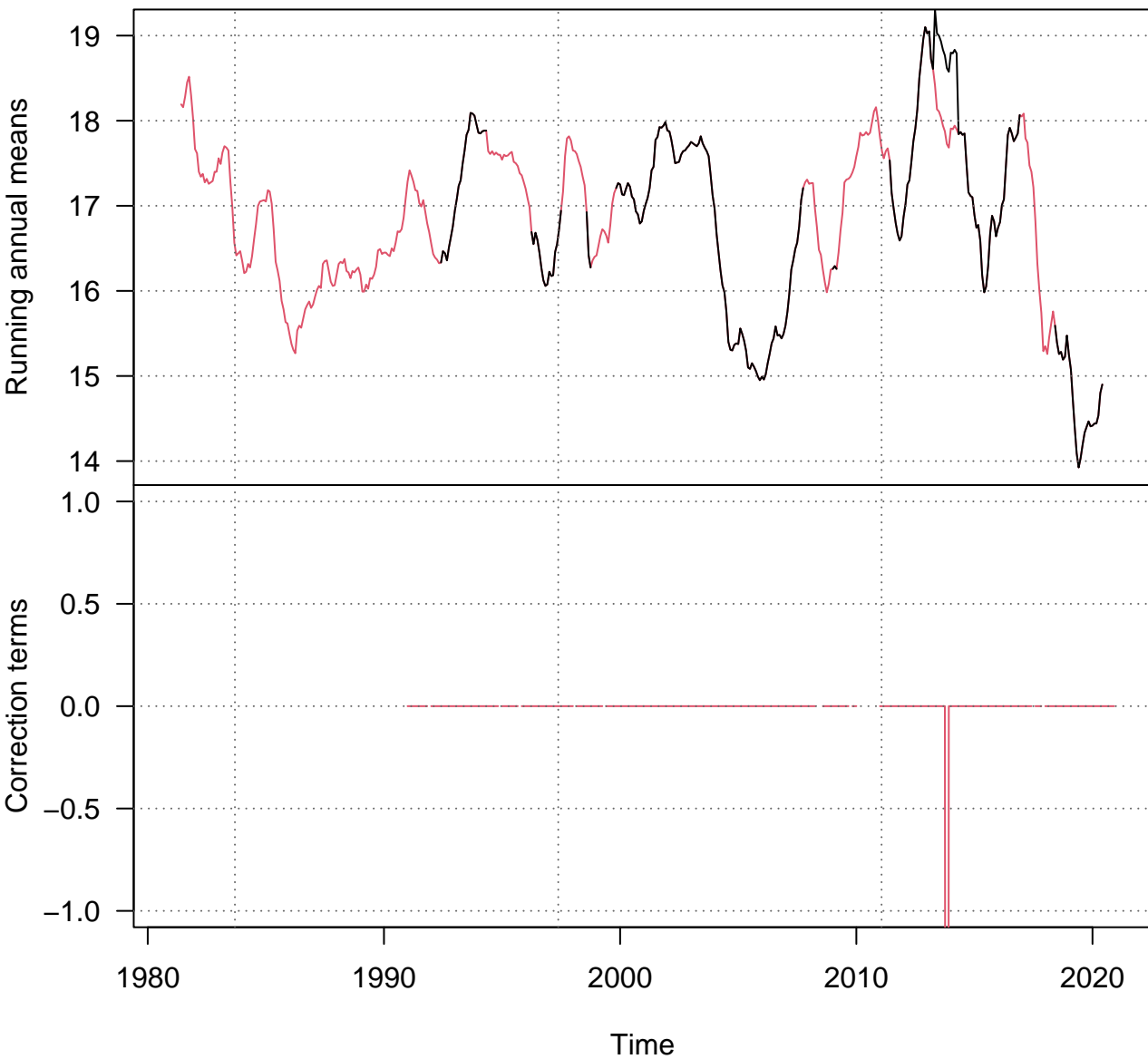


tmax-m 12 (115)
soracachi

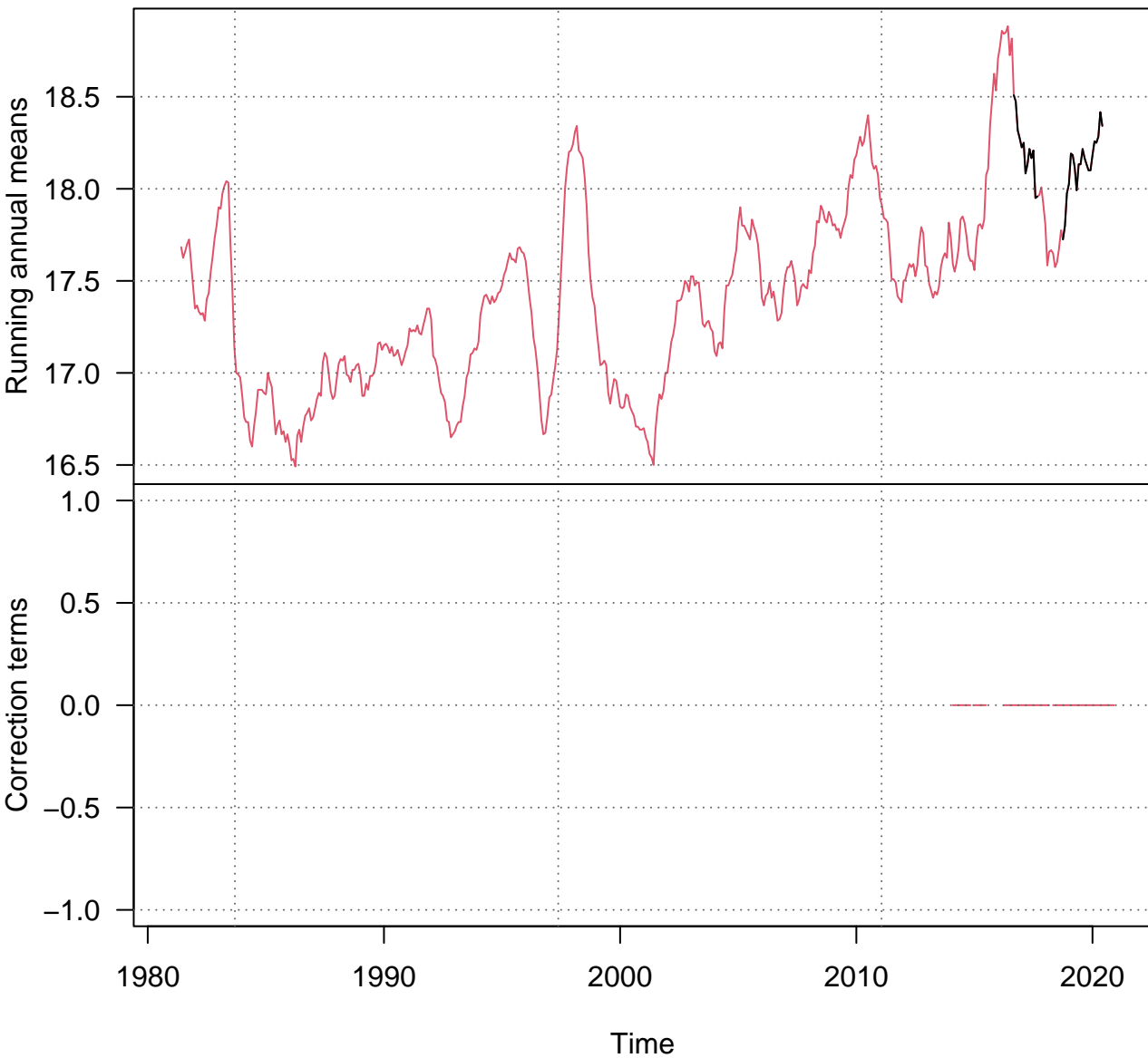


tmax-m 13 (116)

todo_santos

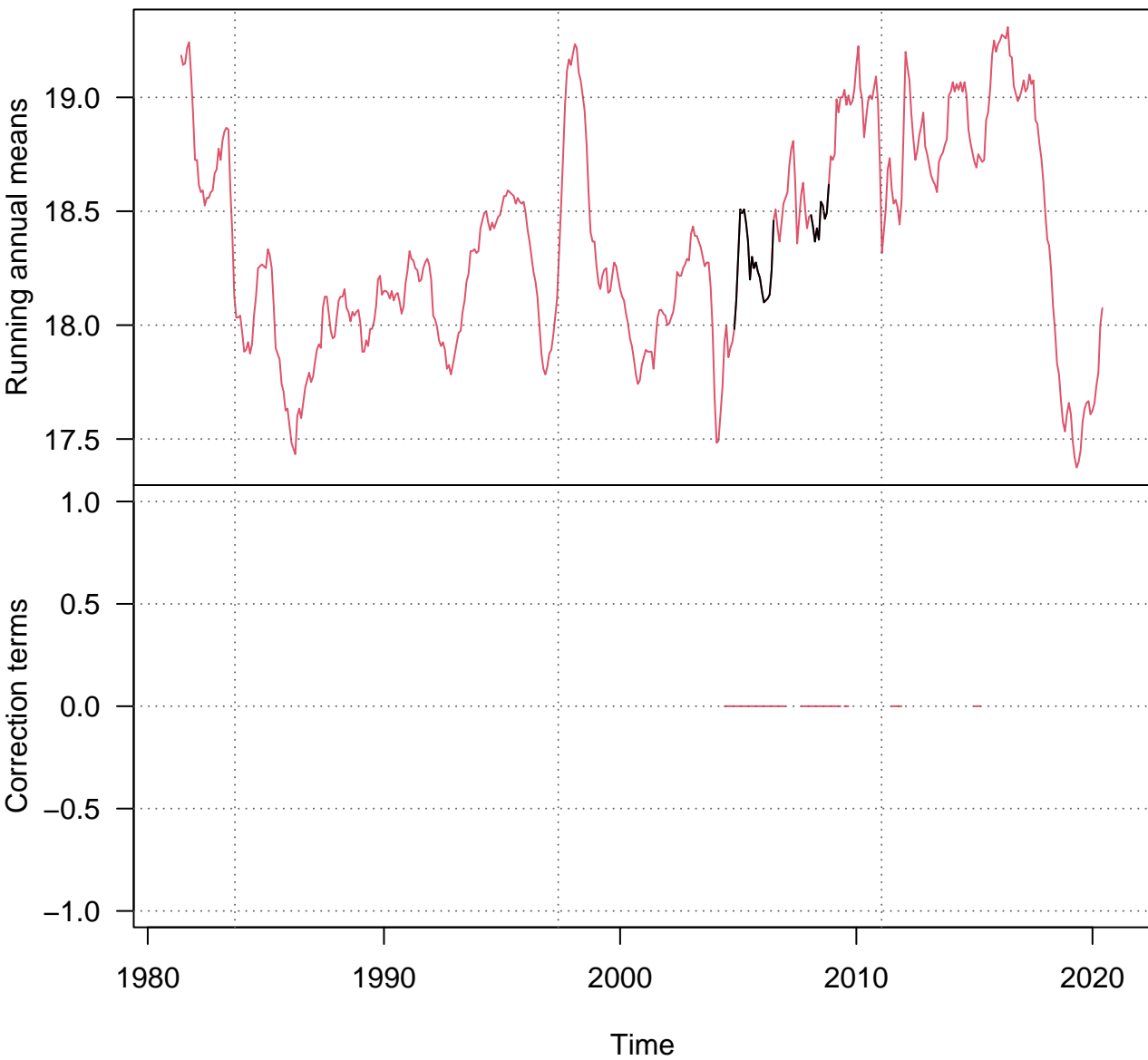


tmax-m 14 (117)
toledo

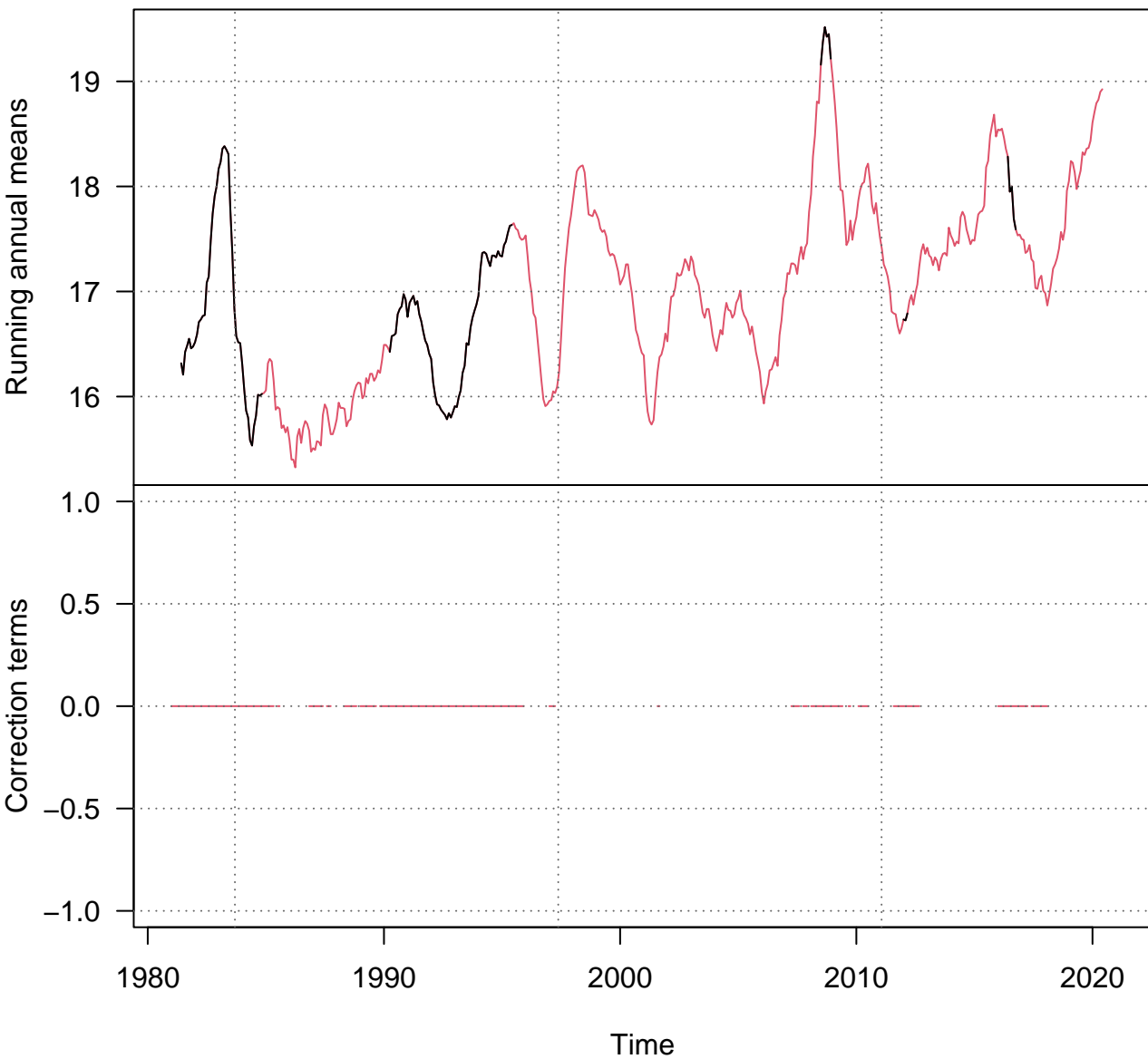


tmax-m 15 (118)

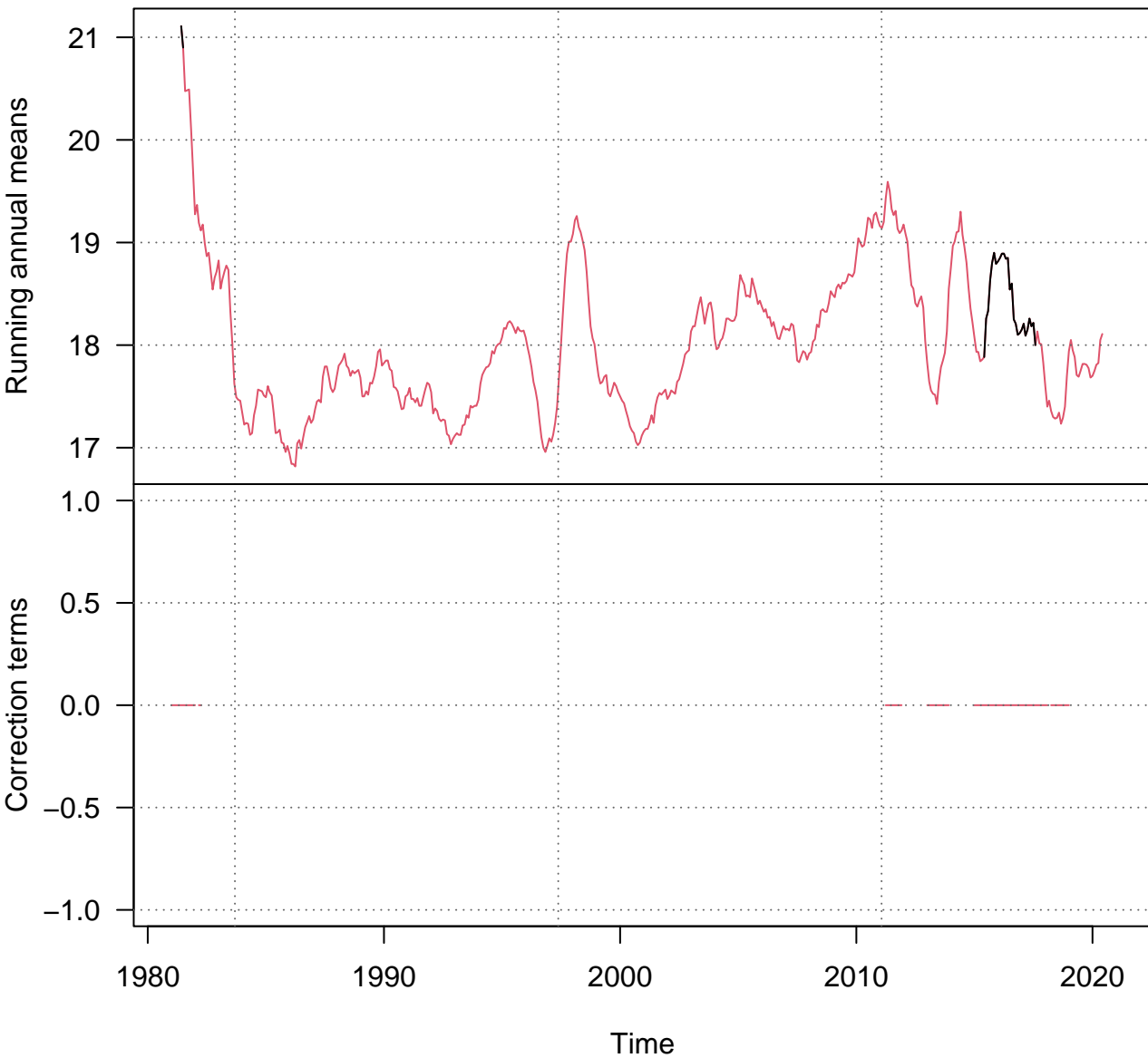
turco



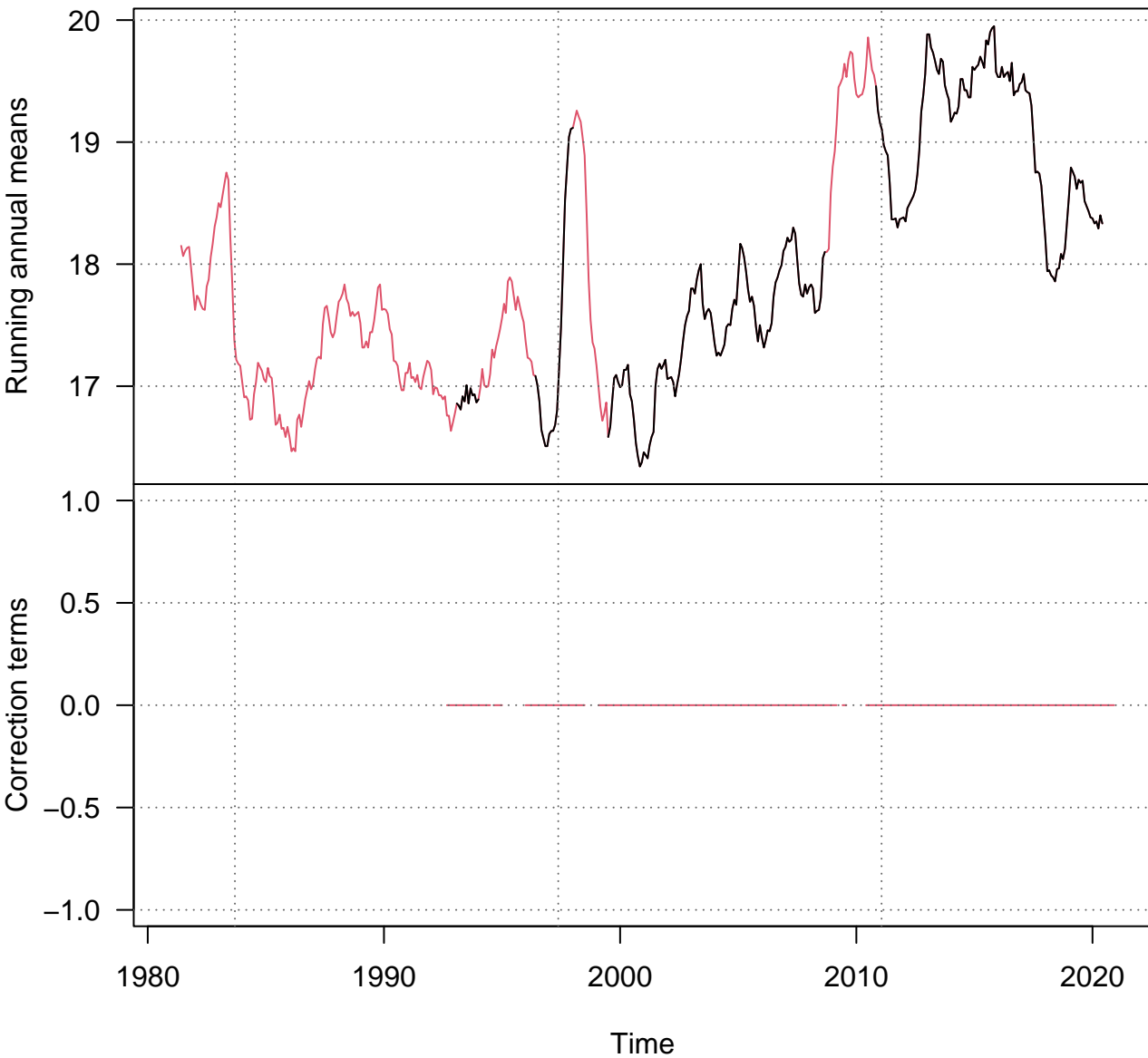
tmax-m 16 (120)
challapata



tmax-m 17 (121)
curahuara

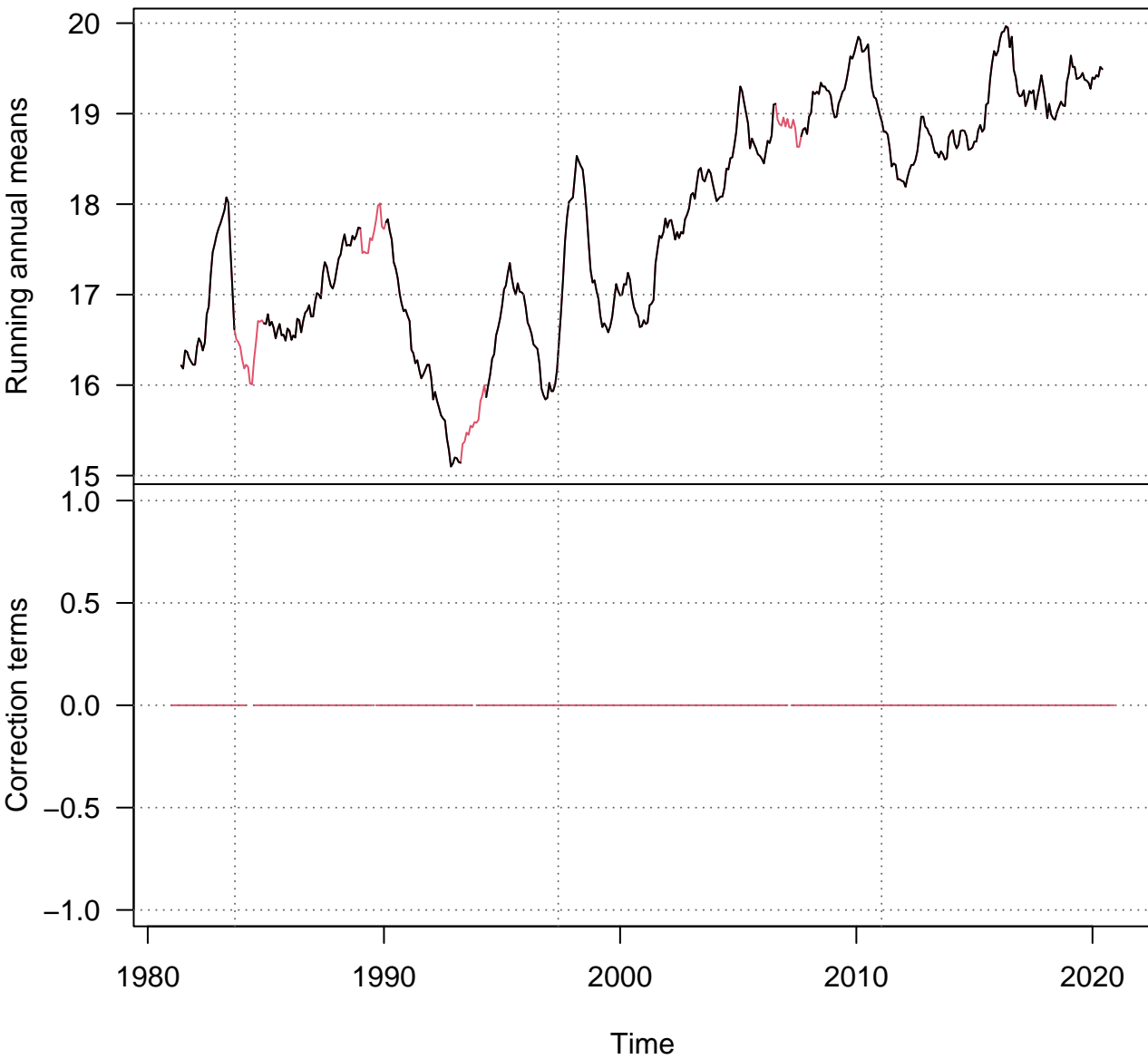


tmax-m 18 (200)
achiri

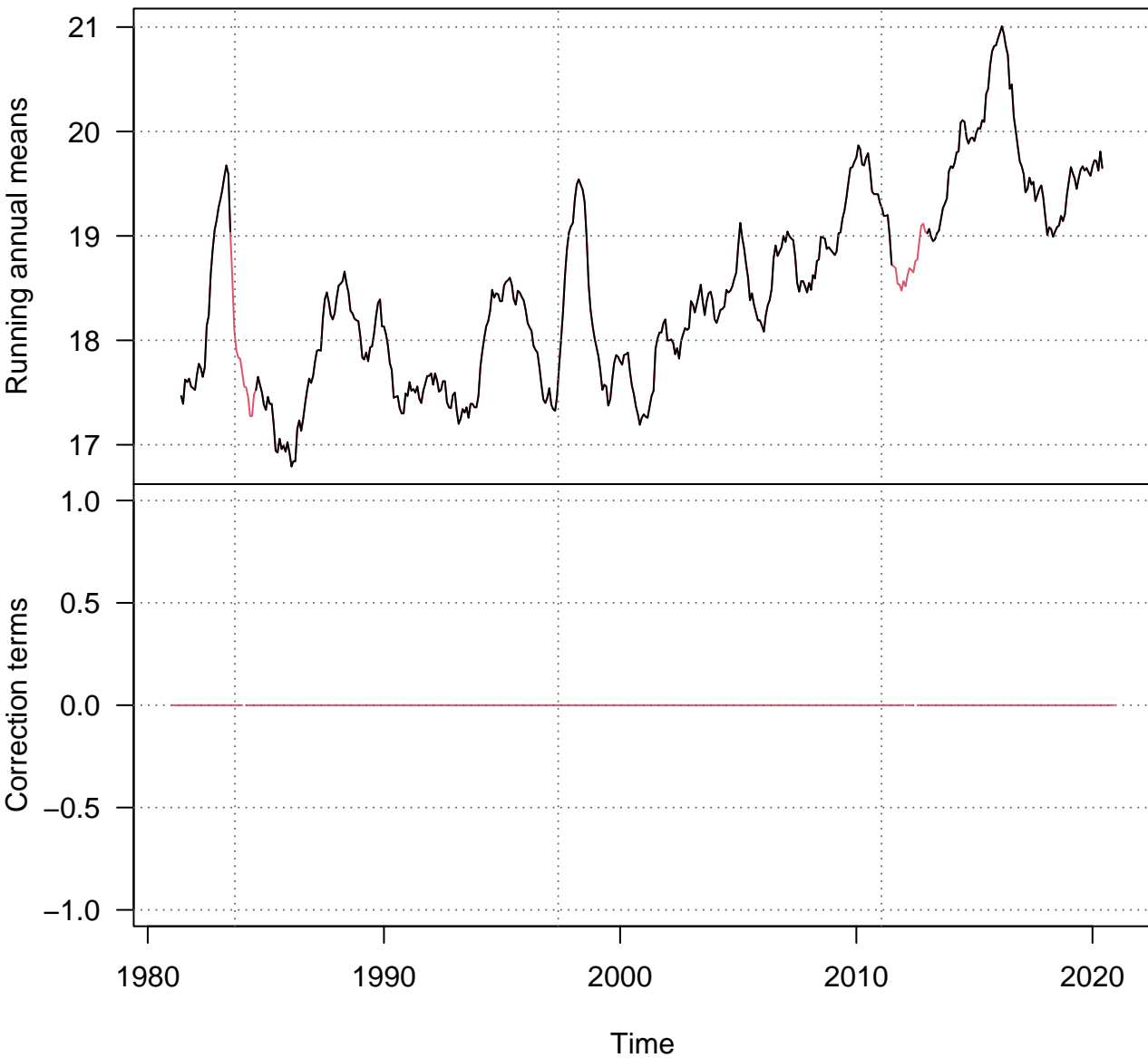


tmax-m 19 (201)

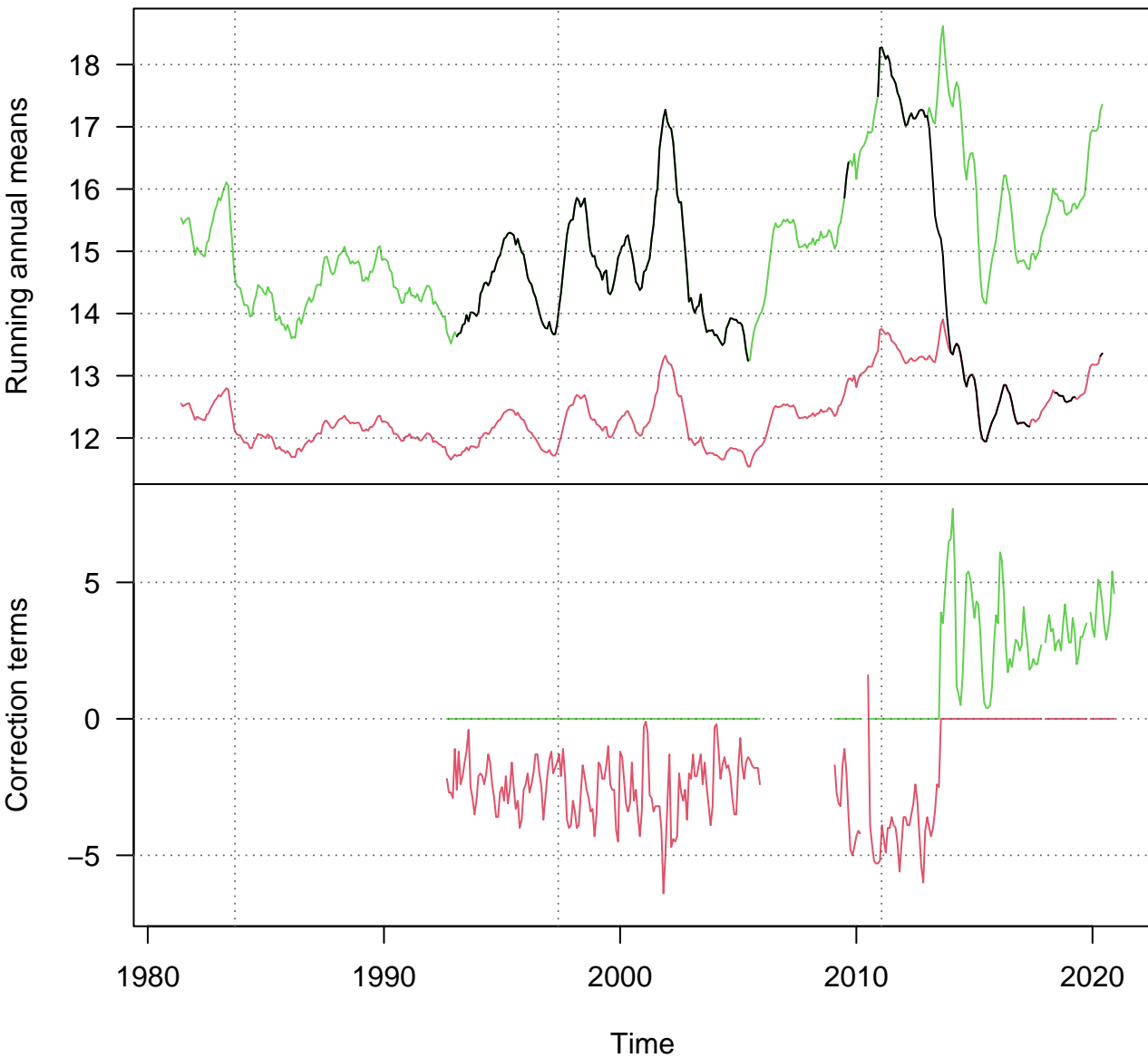
ayoayo



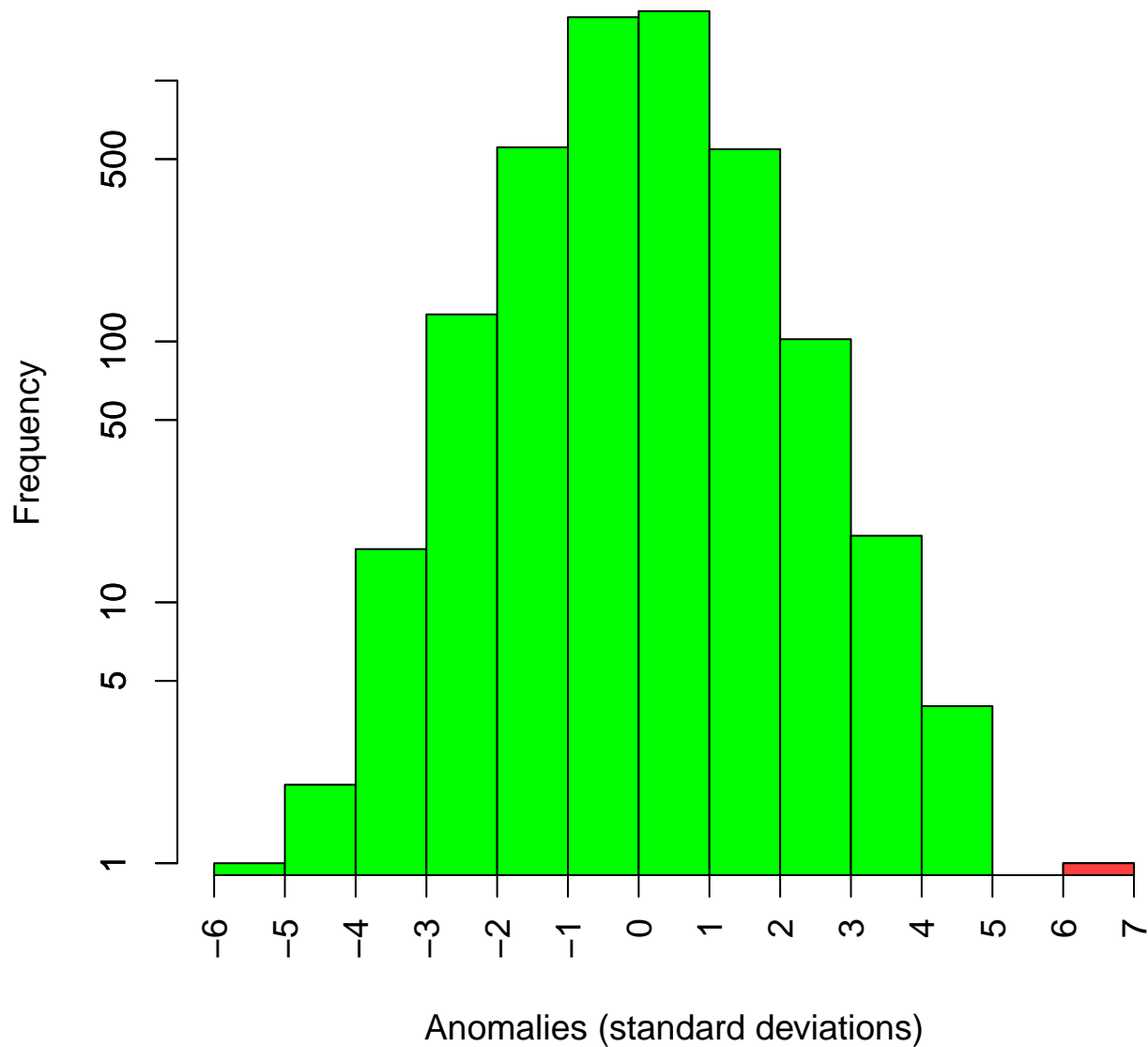
tmax-m 20 (203)
calacoto



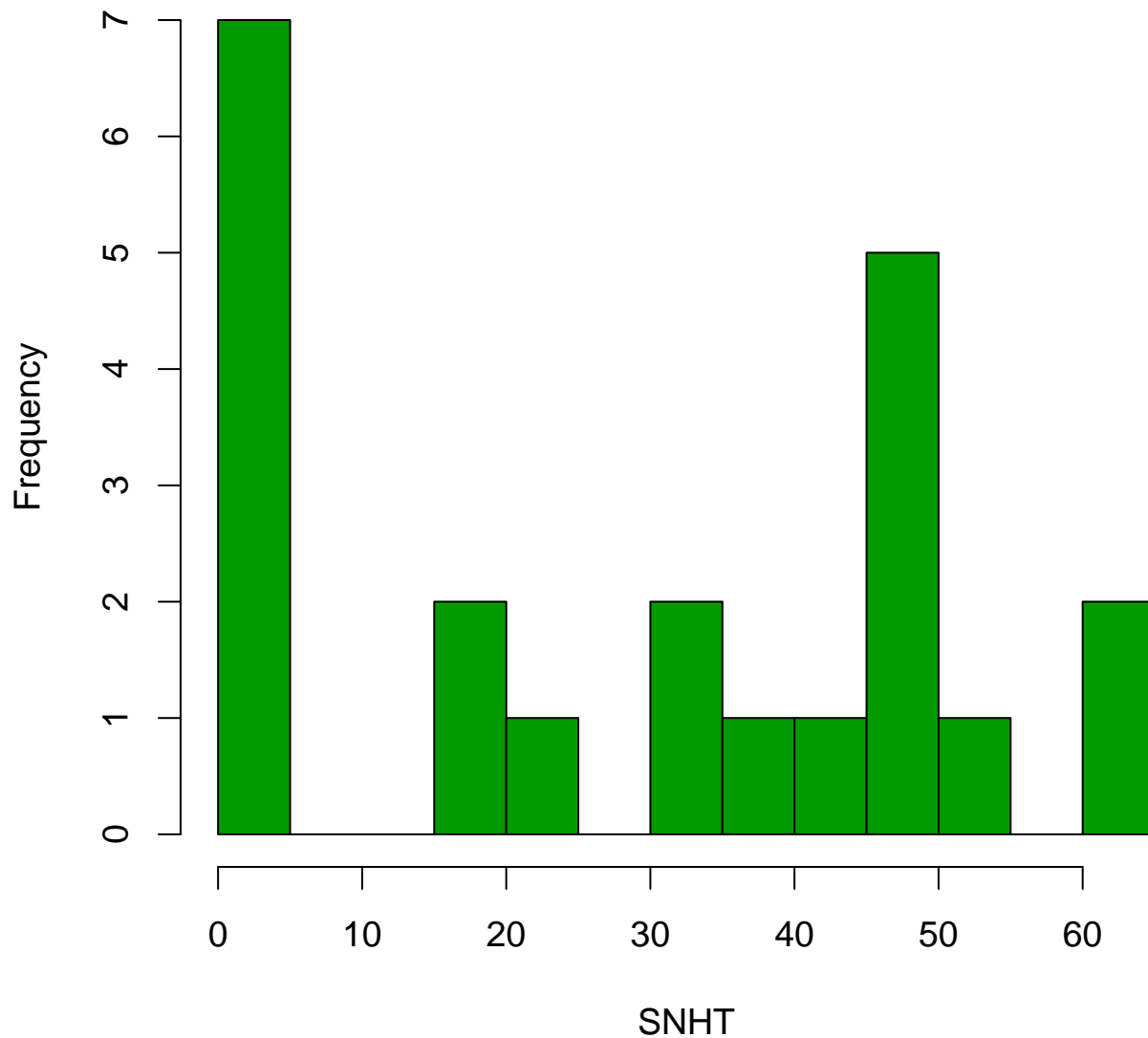
tmax-m 21 (204)
catacora



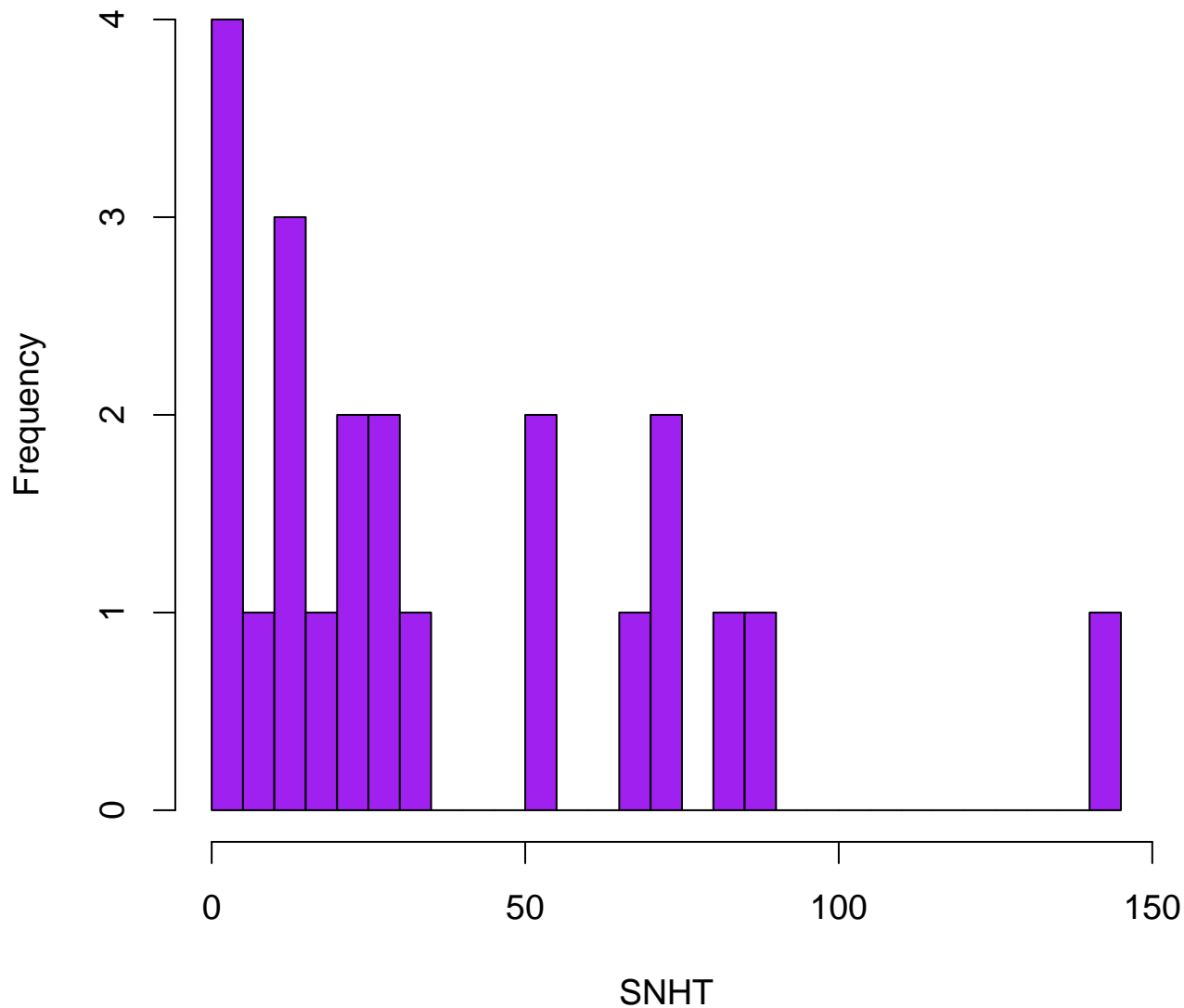
Histogram of normalized anomalies



Histogram of maximum windowed SNHT



Histogram of maximum global SNHT



Station's quality/singularity

