

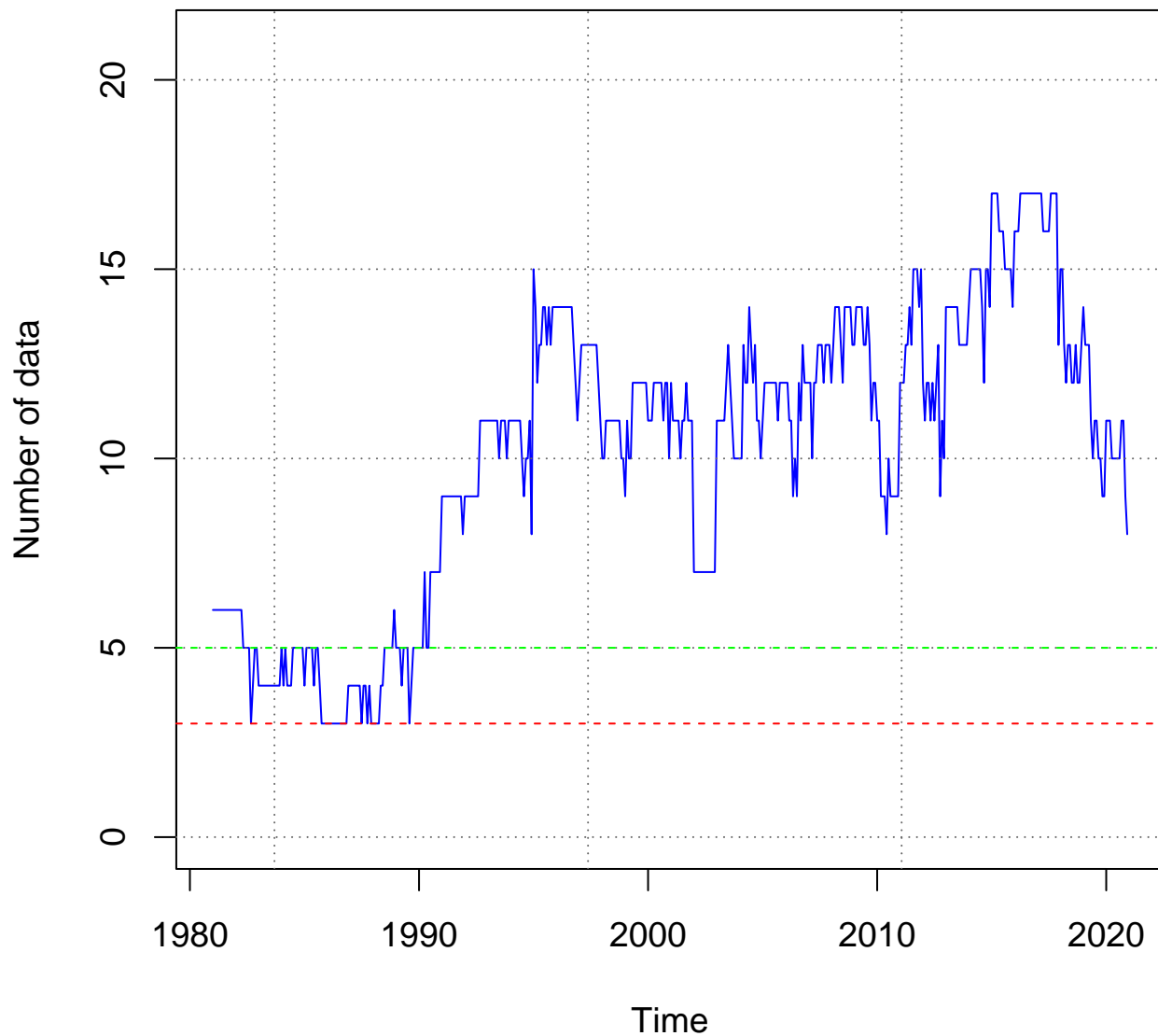
CLIMATOL 3.1.1

Homogenization
graphic output of
tmin-m
1981-2020

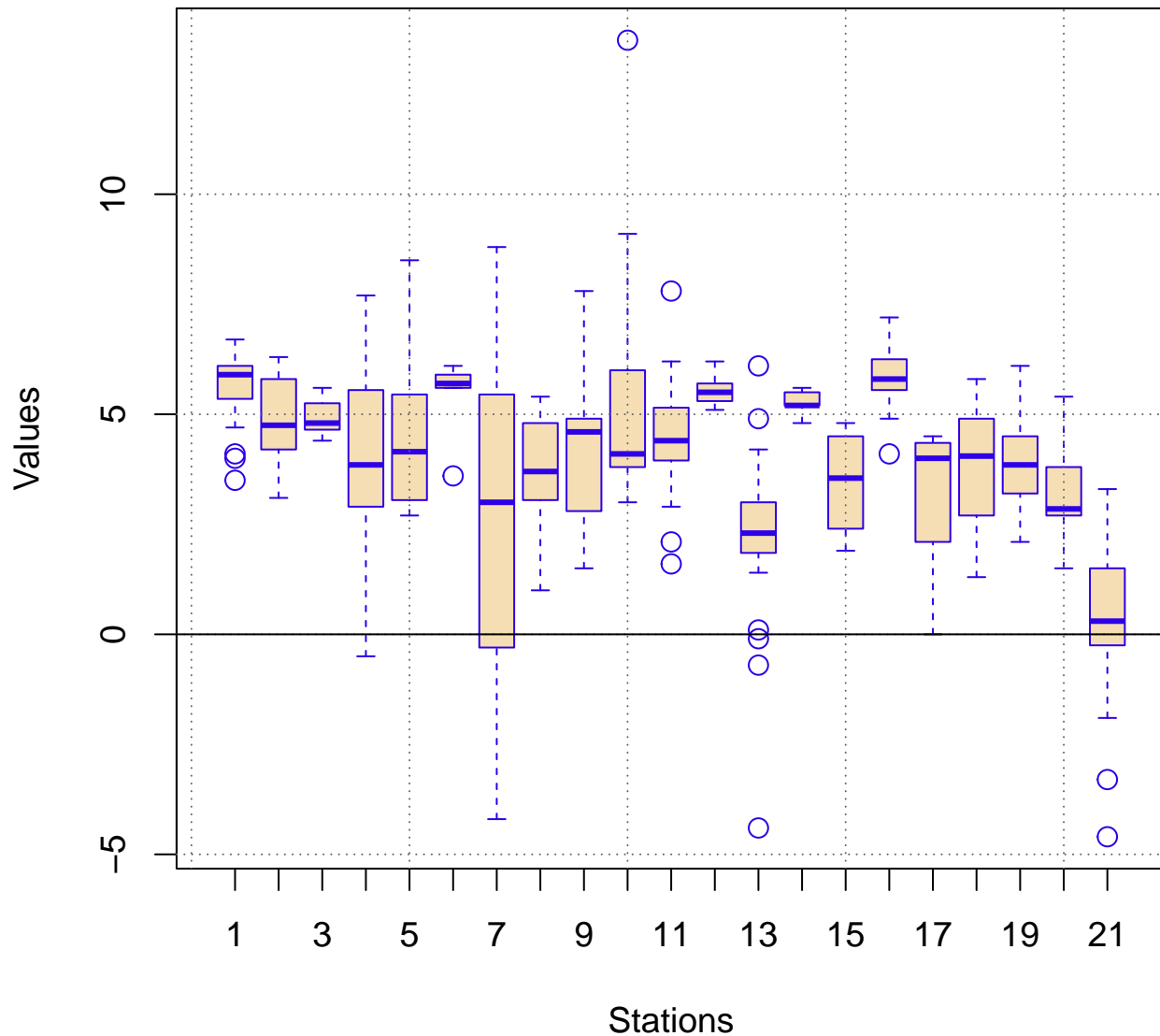
tmin-m data availability



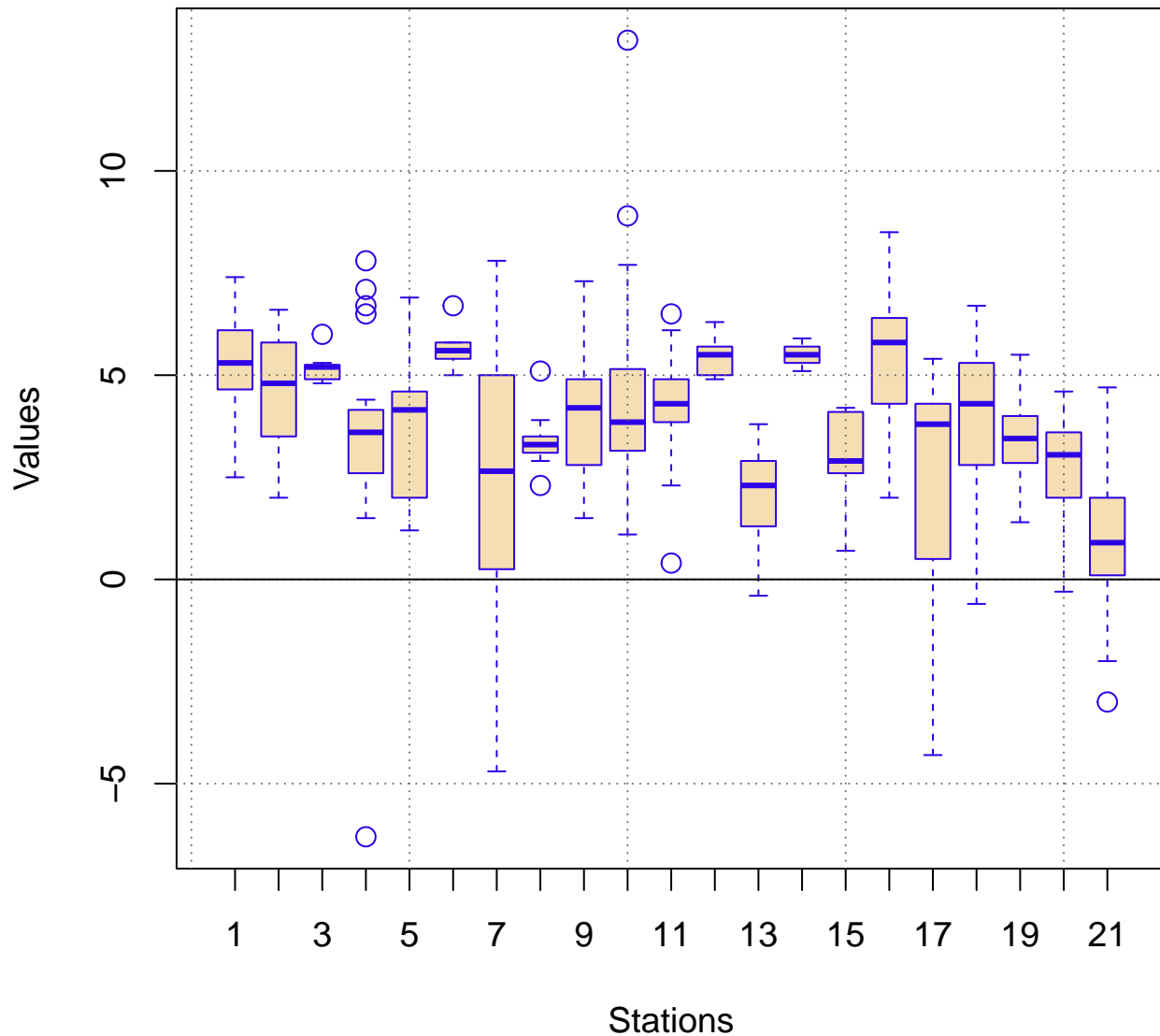
Number of tmin-m data in all stations



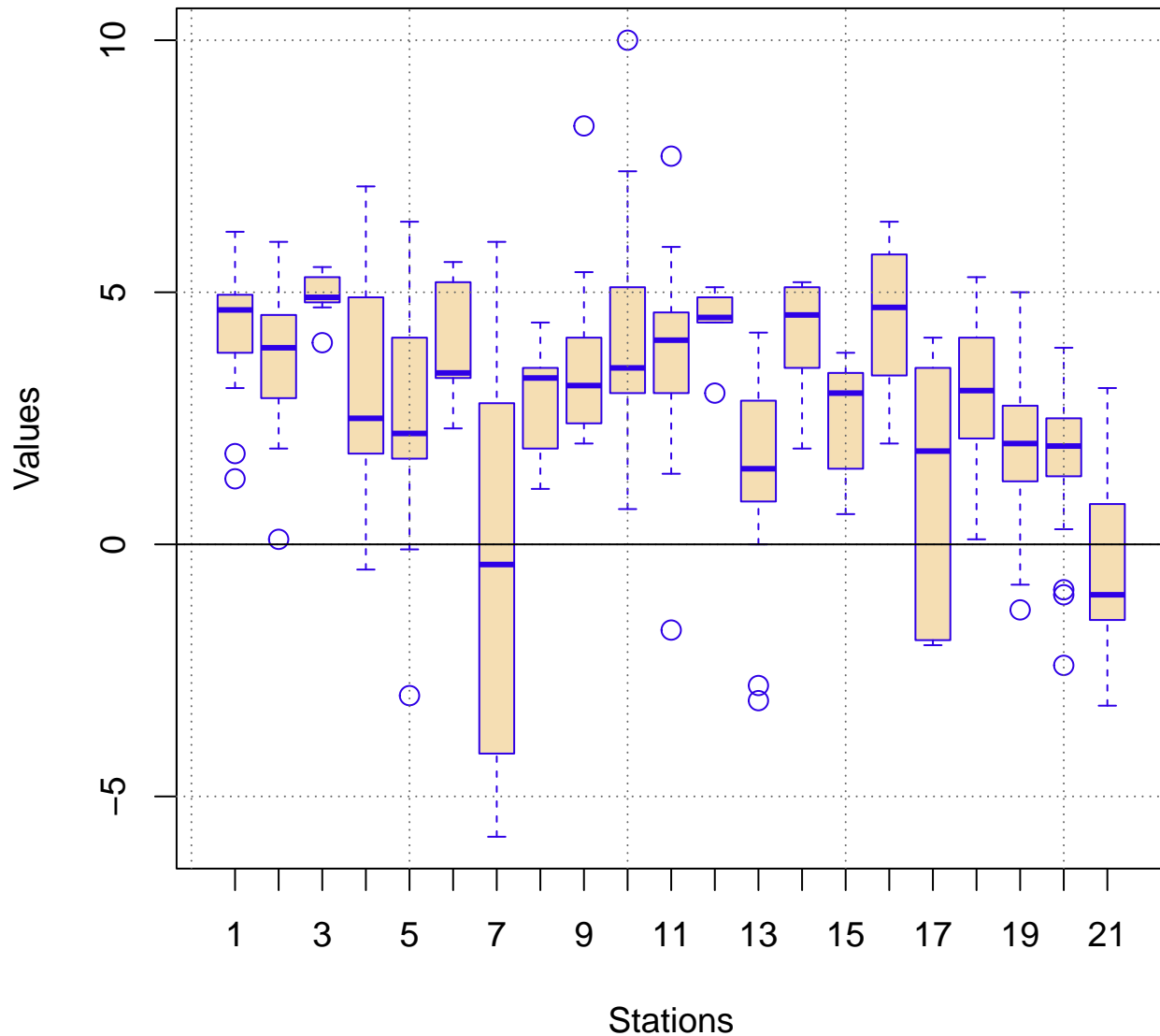
Data values of tmin-m (Jan)



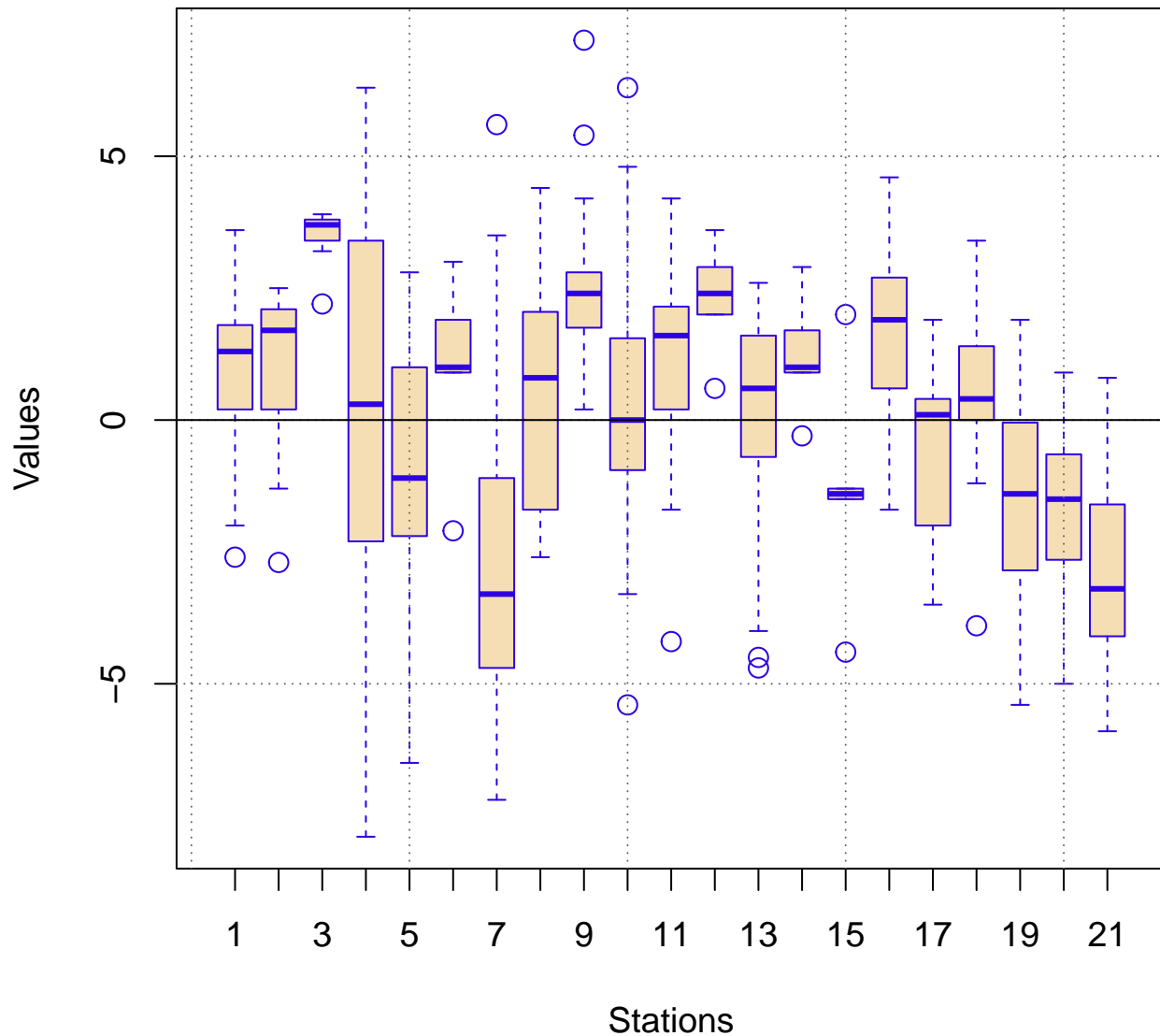
Data values of tmin-m (Feb)



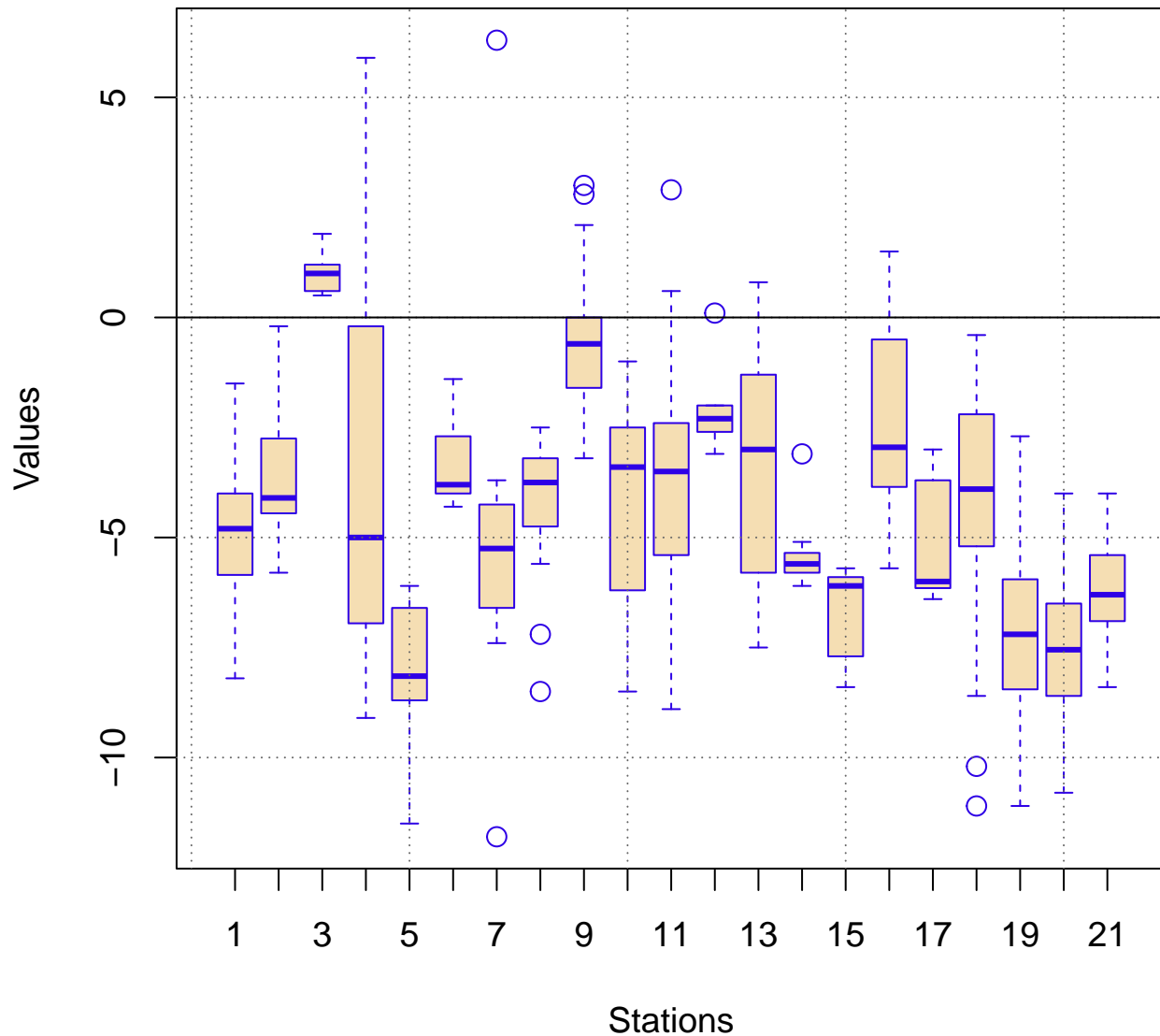
Data values of tmin-m (Mar)



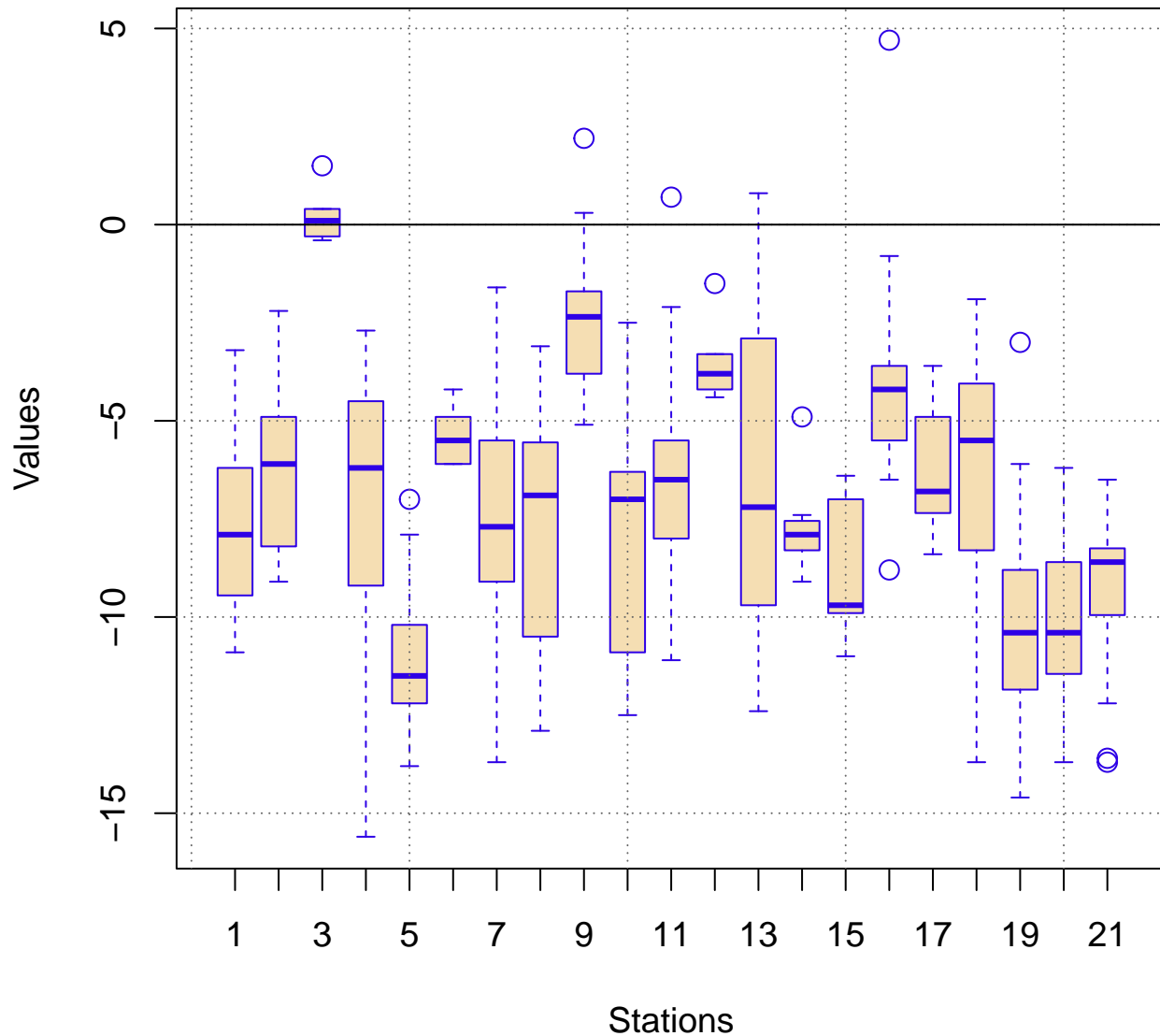
Data values of tmin-m (Apr)



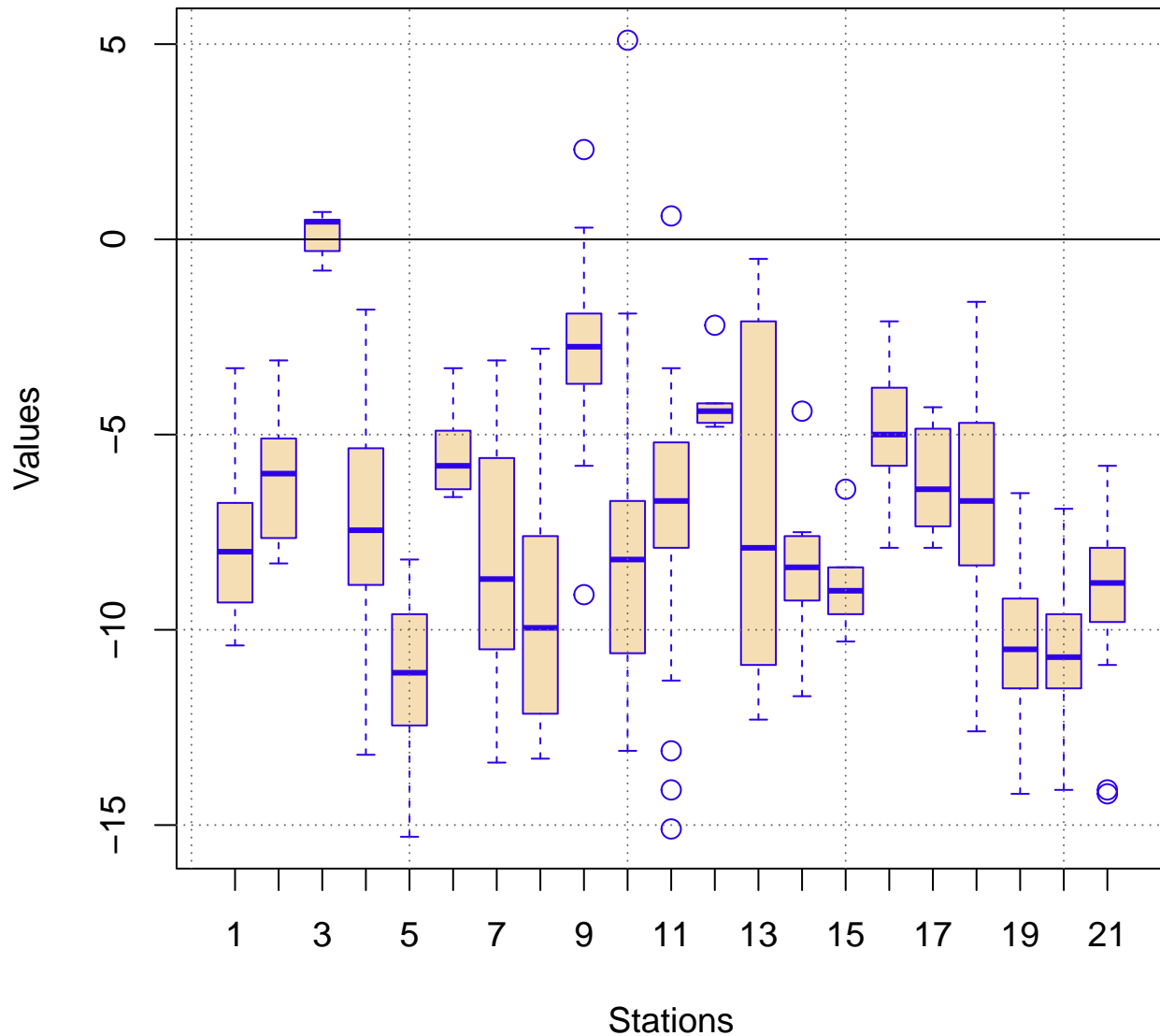
Data values of tmin-m (May)



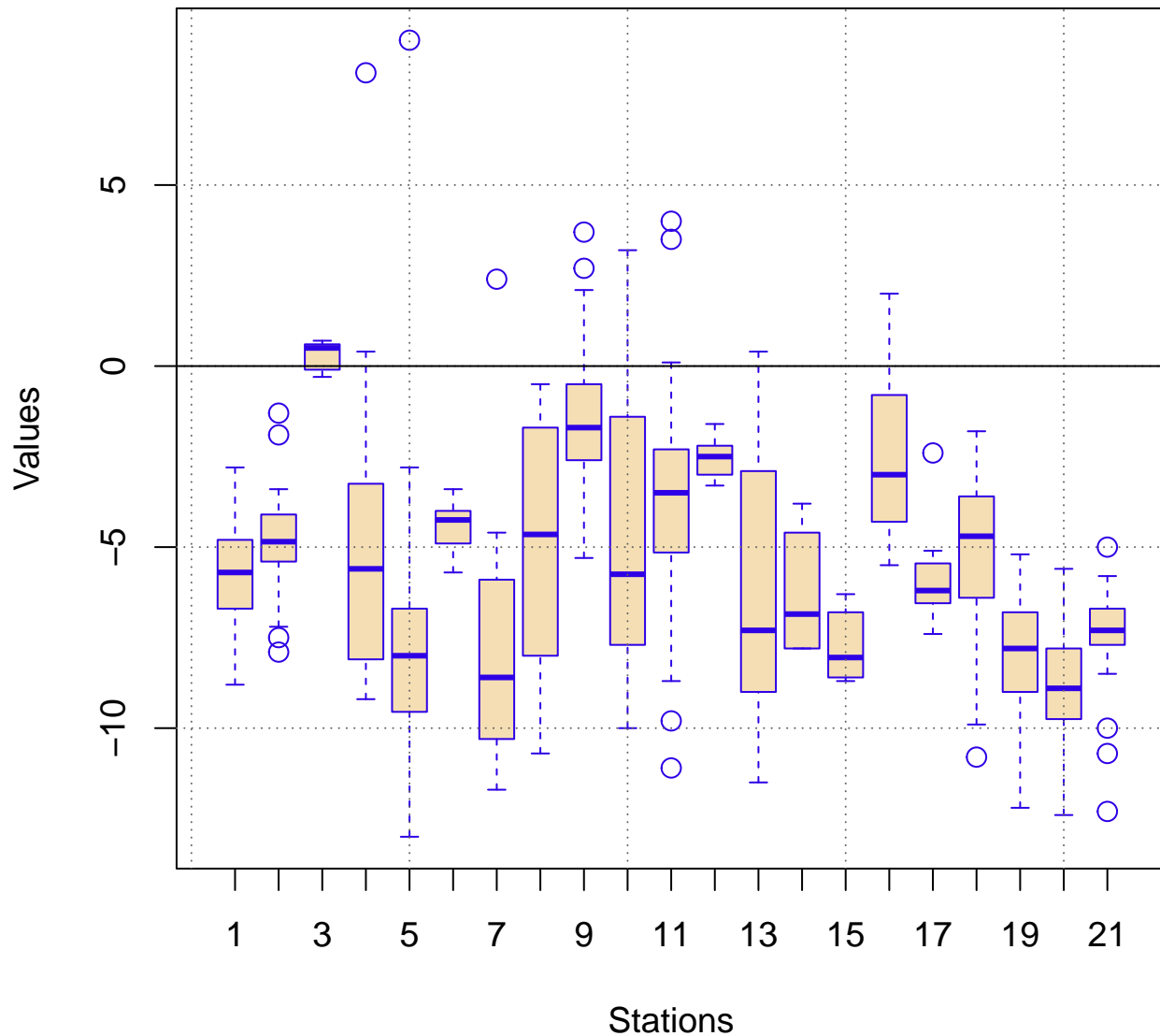
Data values of tmin-m (Jun)



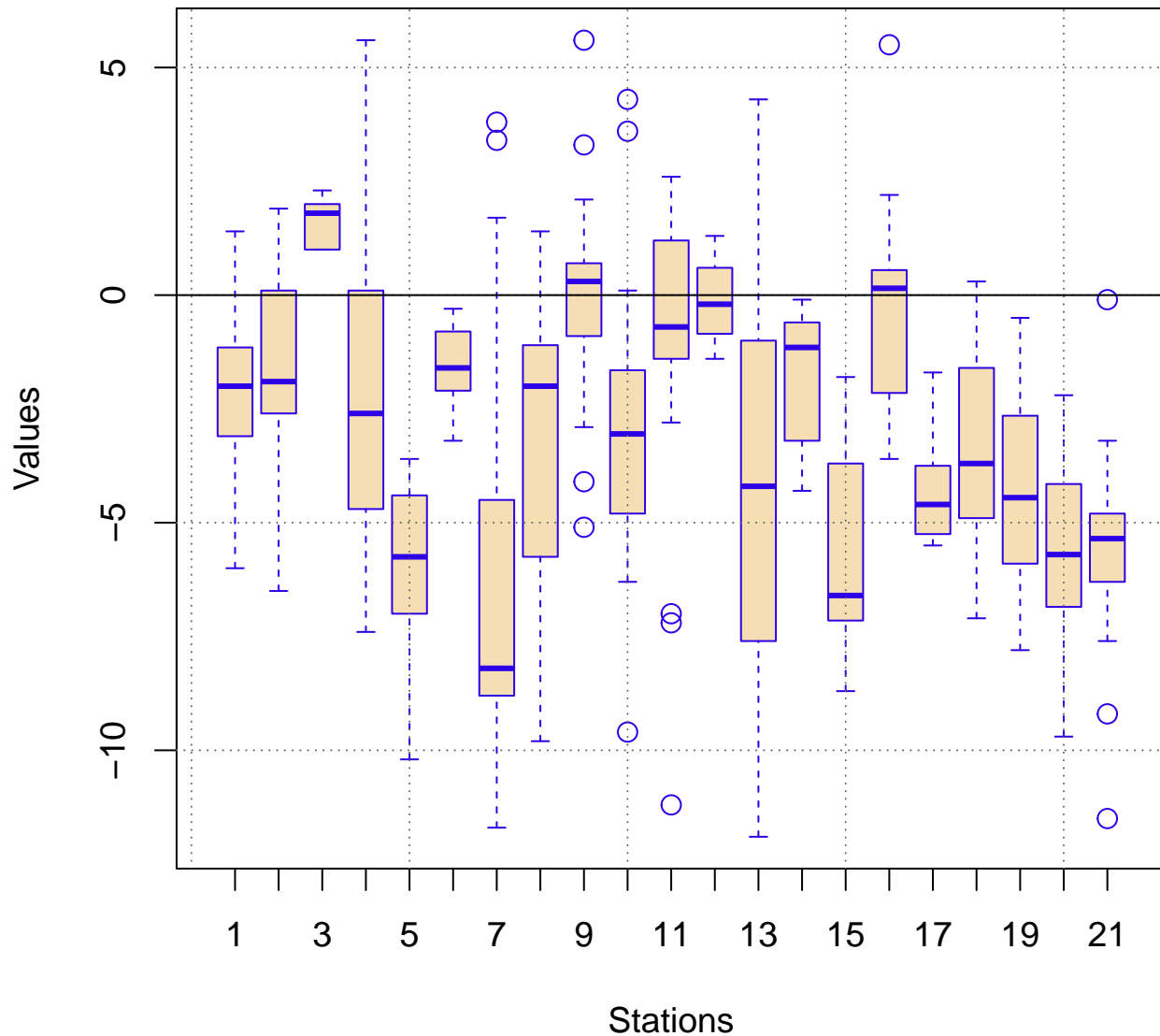
Data values of tmin-m (Jul)



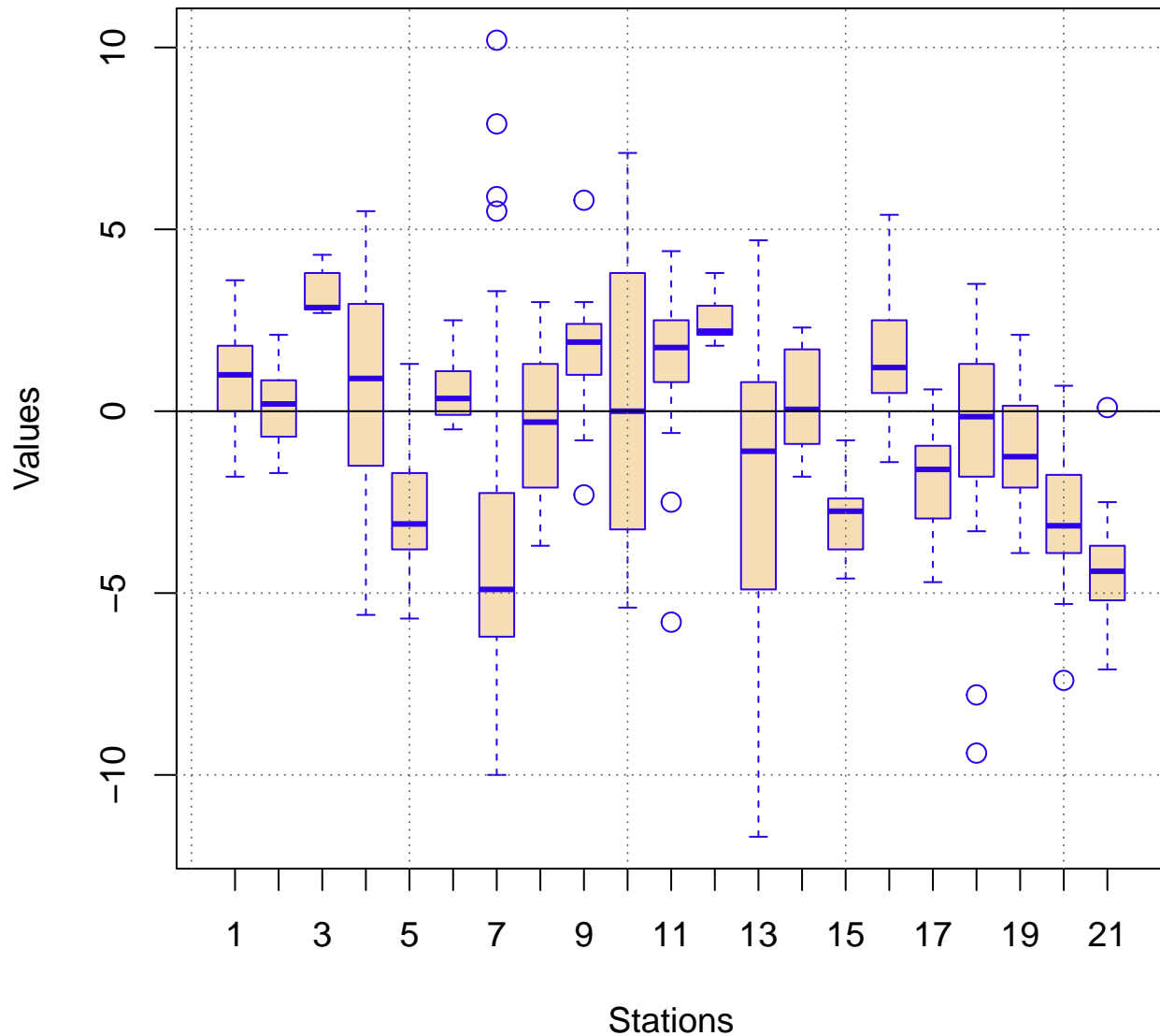
Data values of tmin-m (Aug)



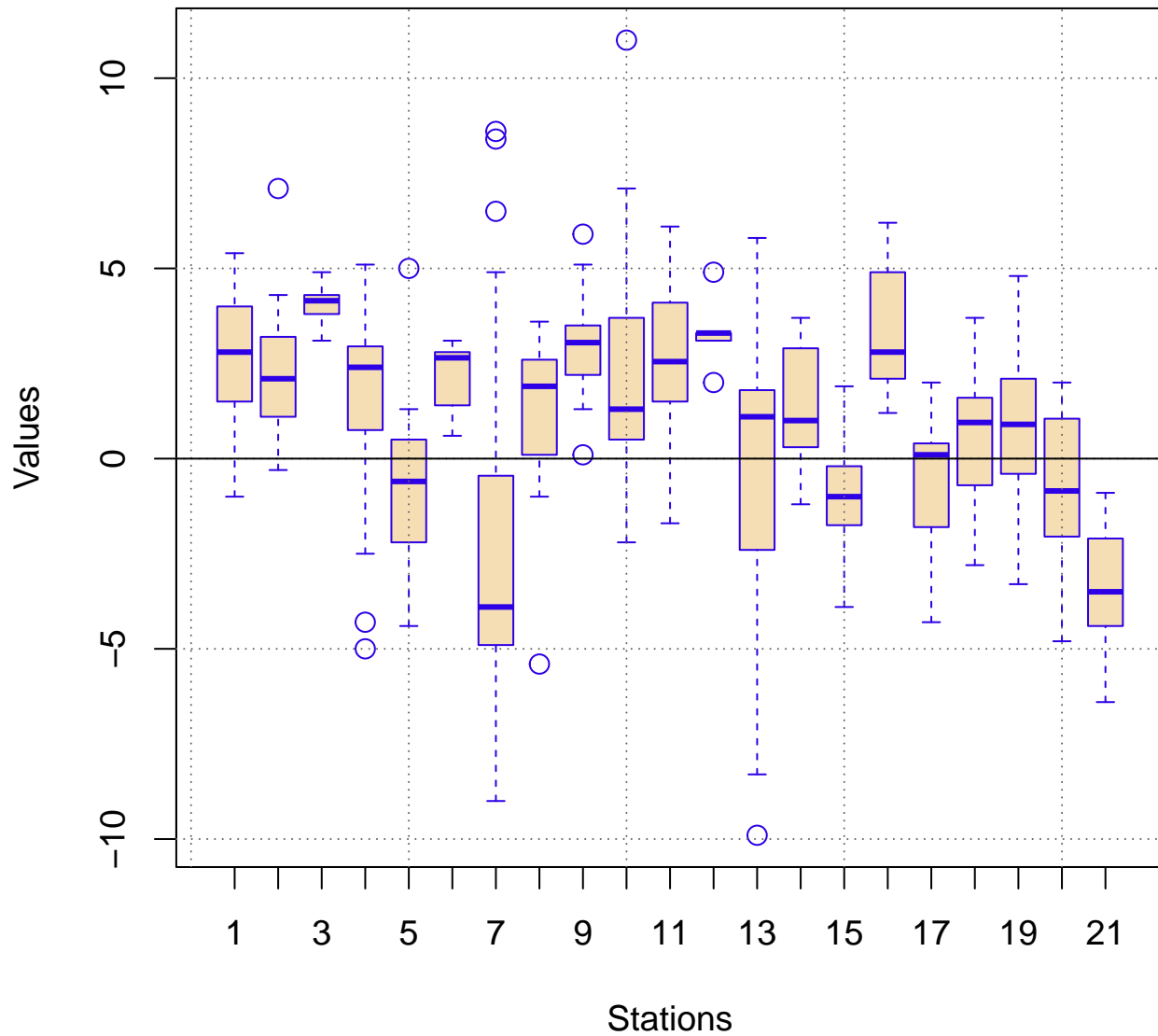
Data values of tmin-m (Sep)



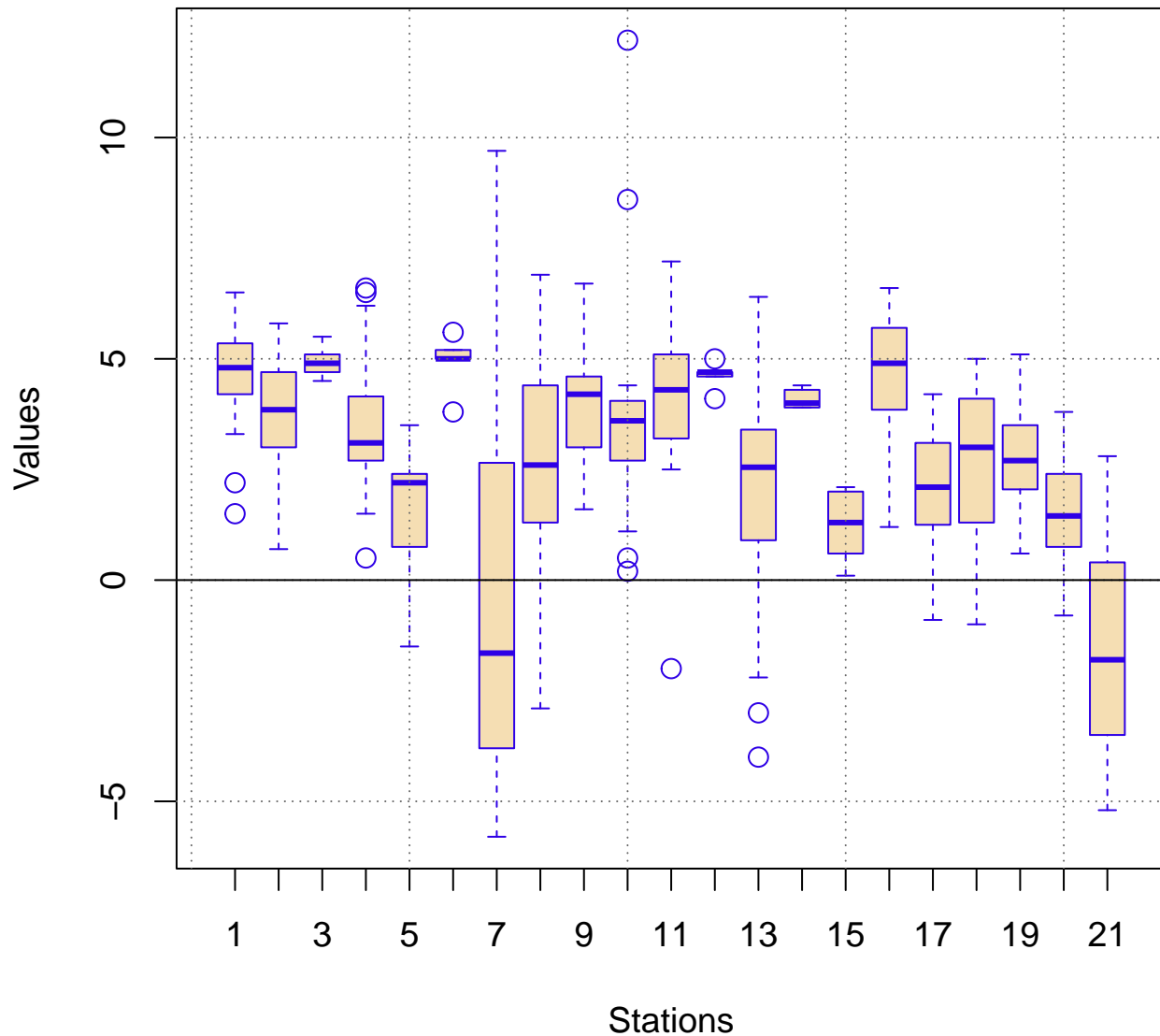
Data values of tmin-m (Oct)



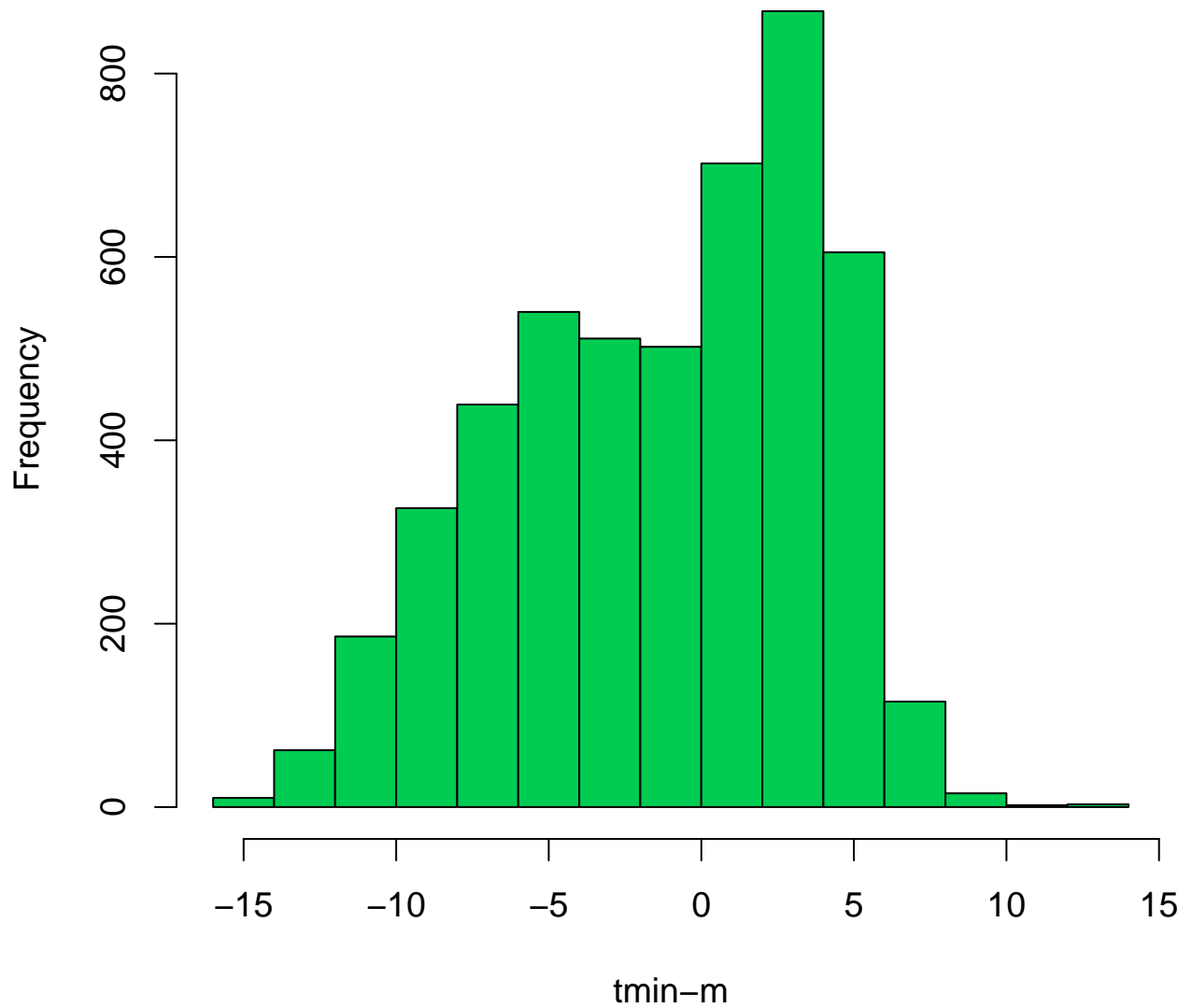
Data values of tmin-m (Nov)



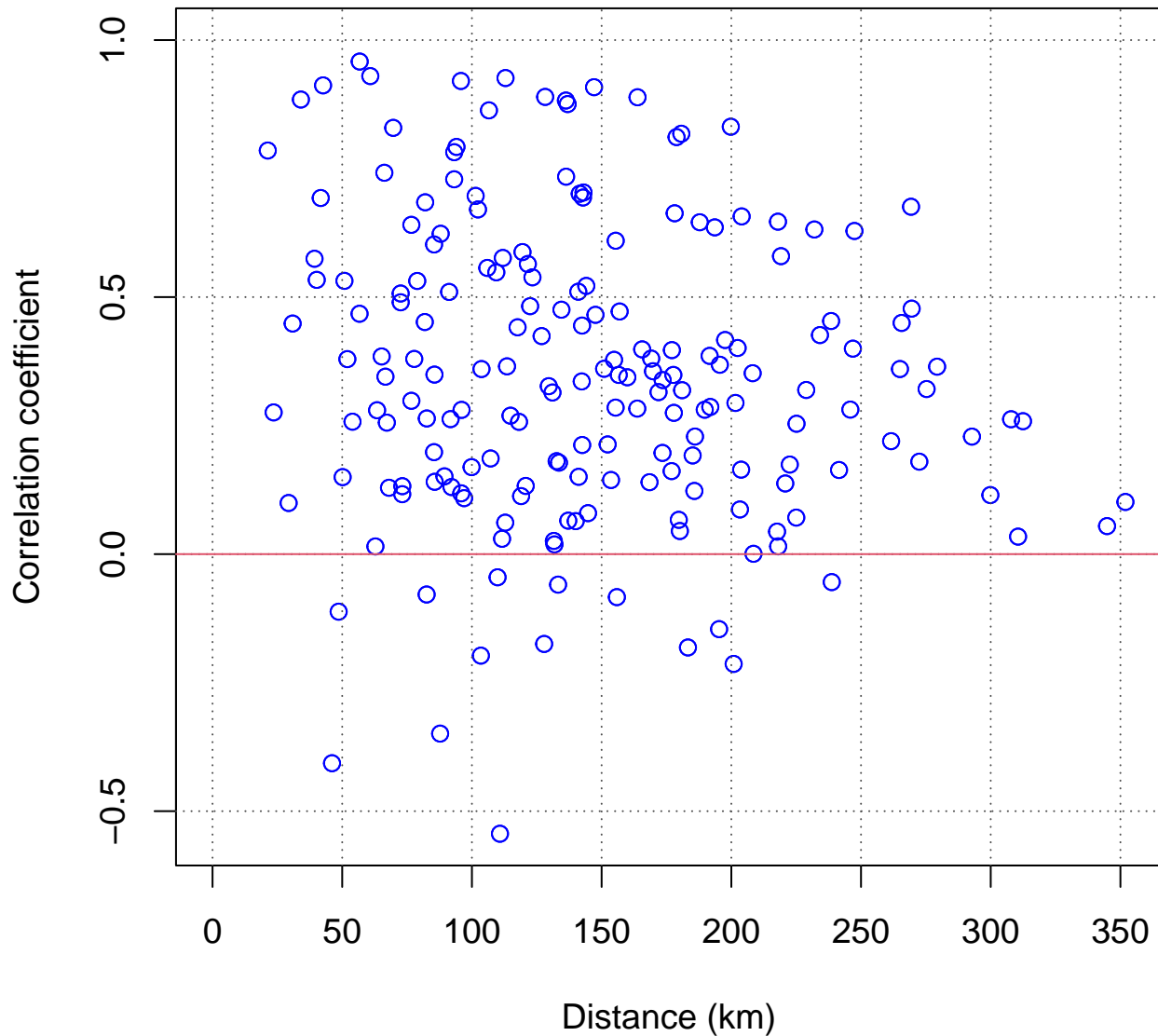
Data values of tmin-m (Dec)



Histogram of all data



Correlogram of first difference series

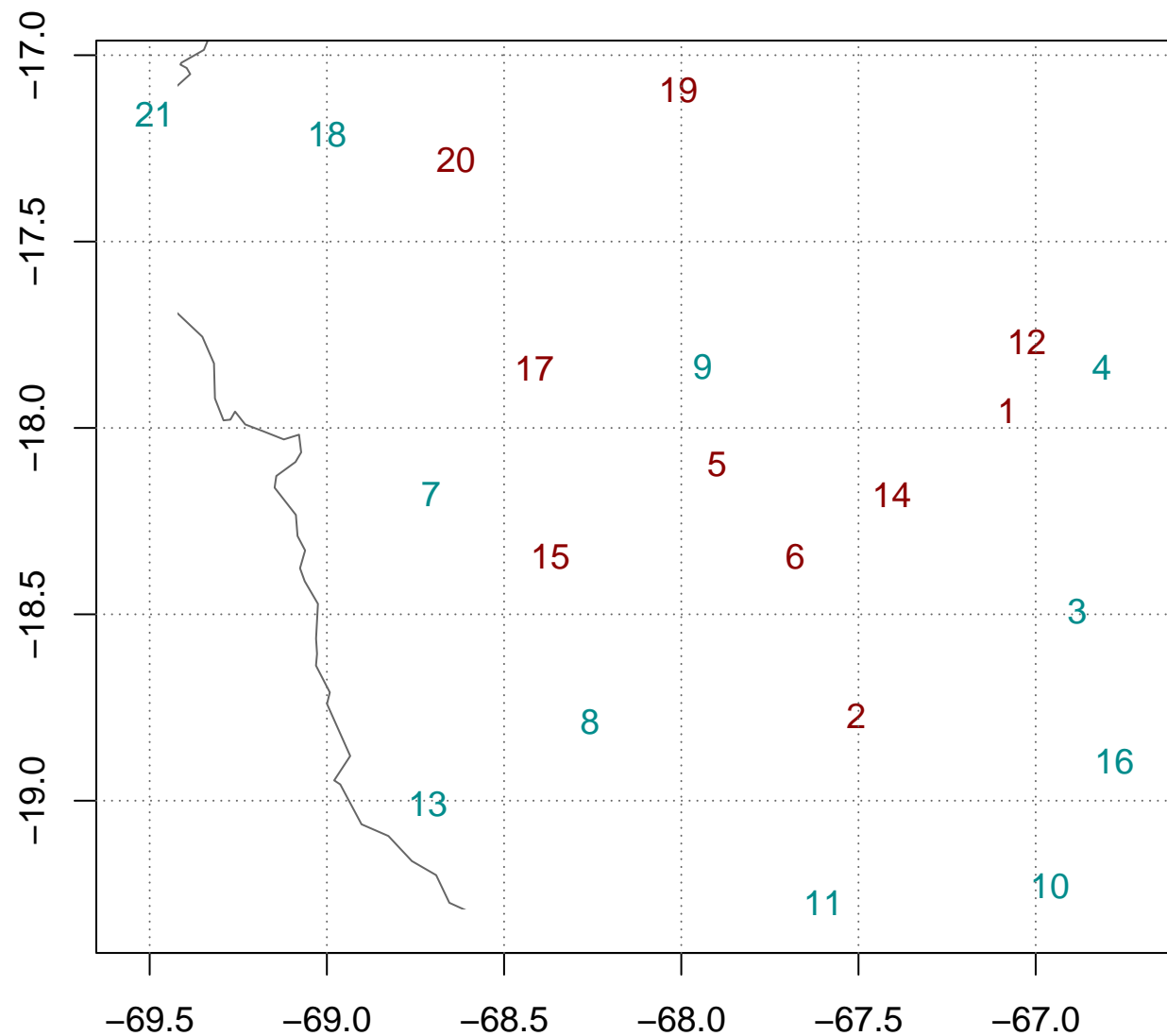


Dendrogram of station clusters



Stations

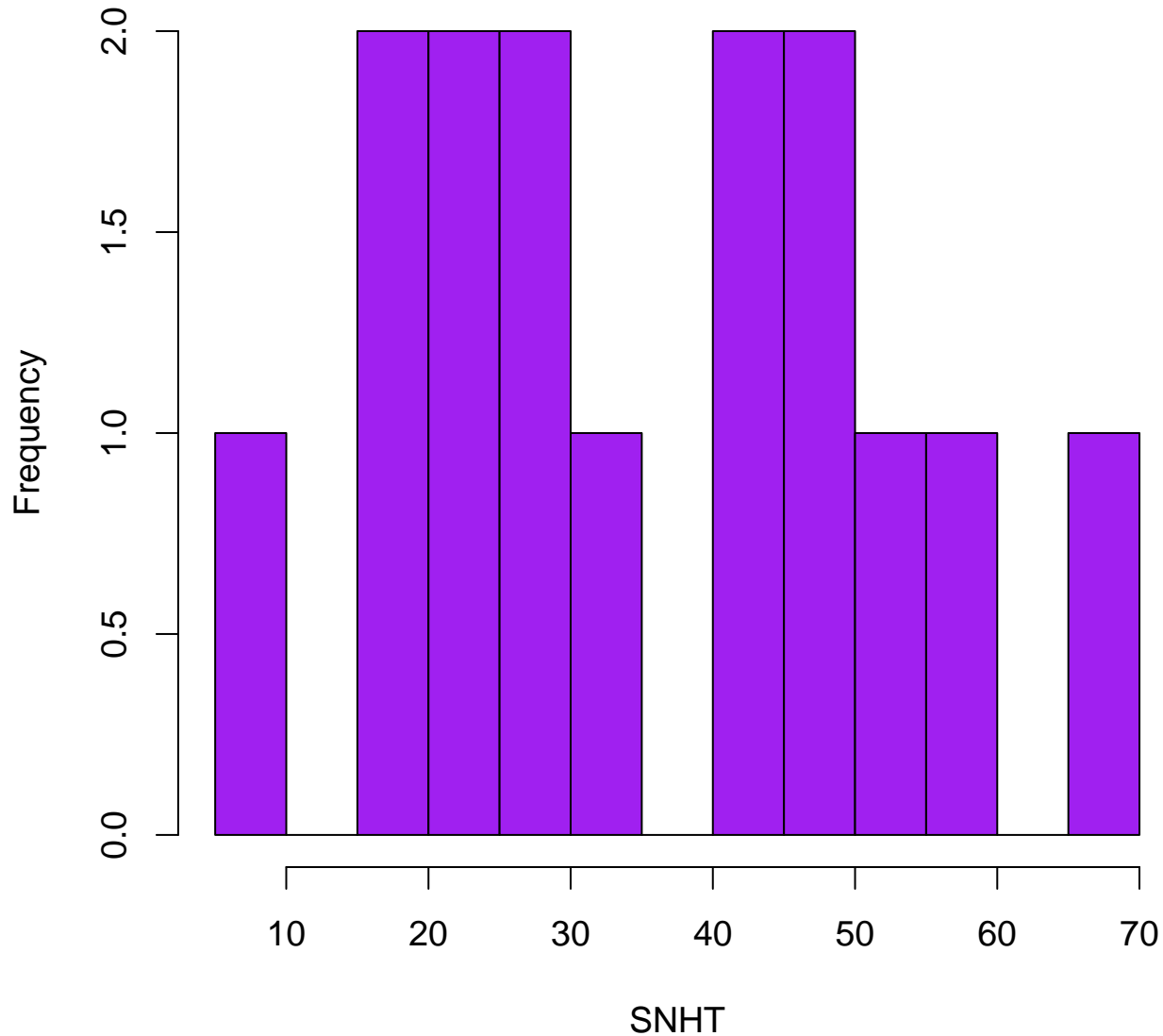
tmin-m station locations (2 clusters)



Stage 1

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

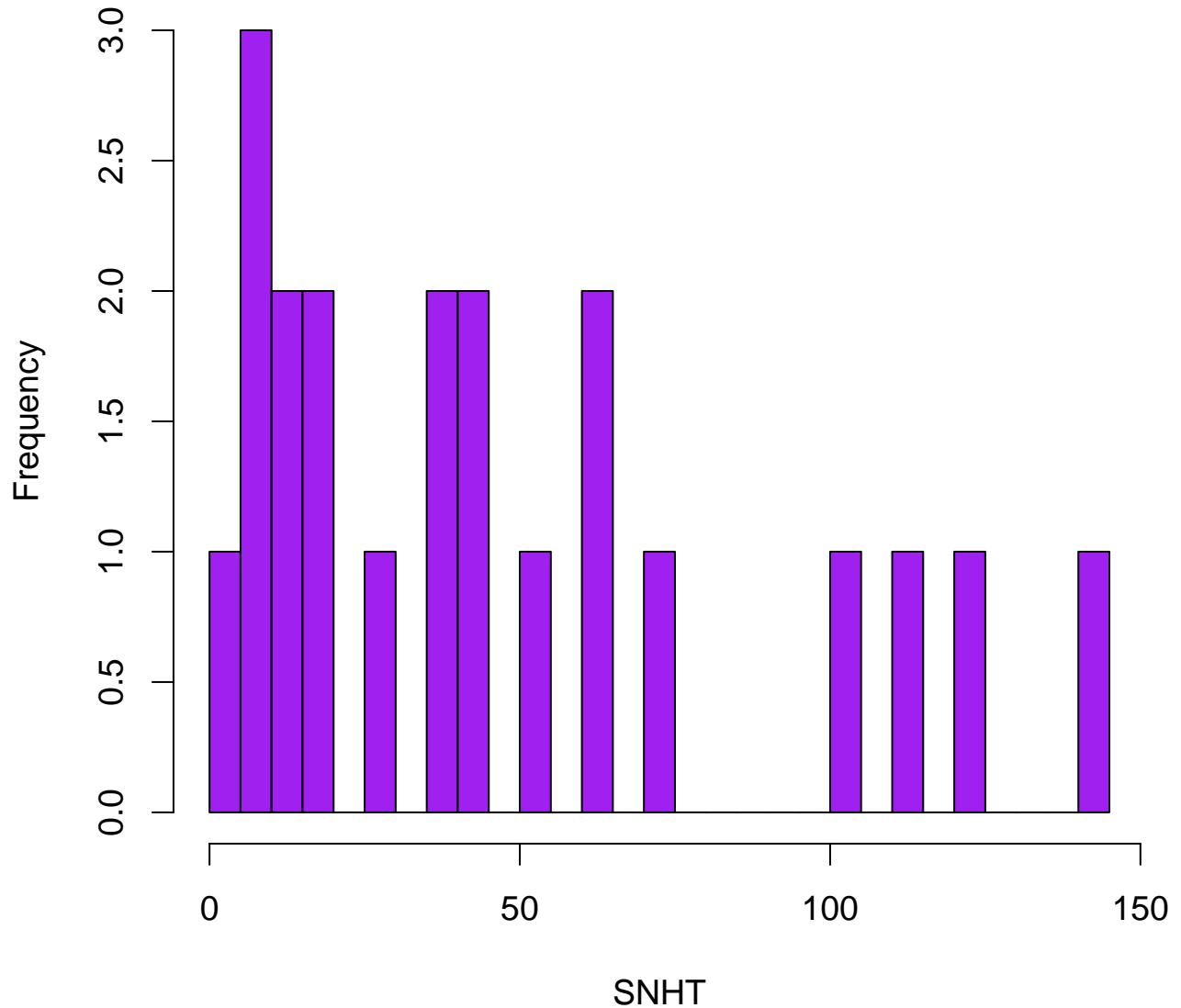
Histogram of maximum SNHT (Stage 1)



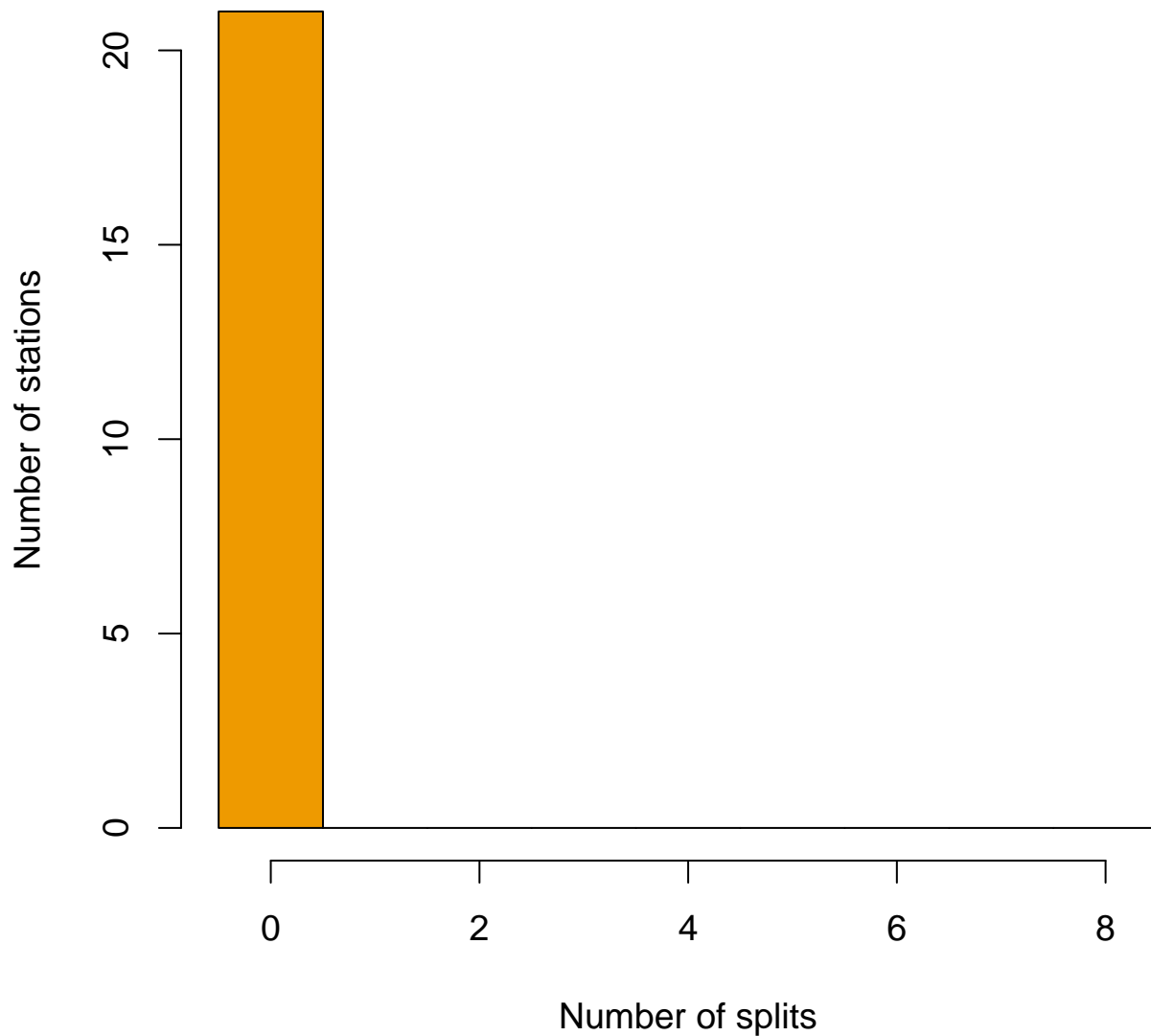
Stage 2

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

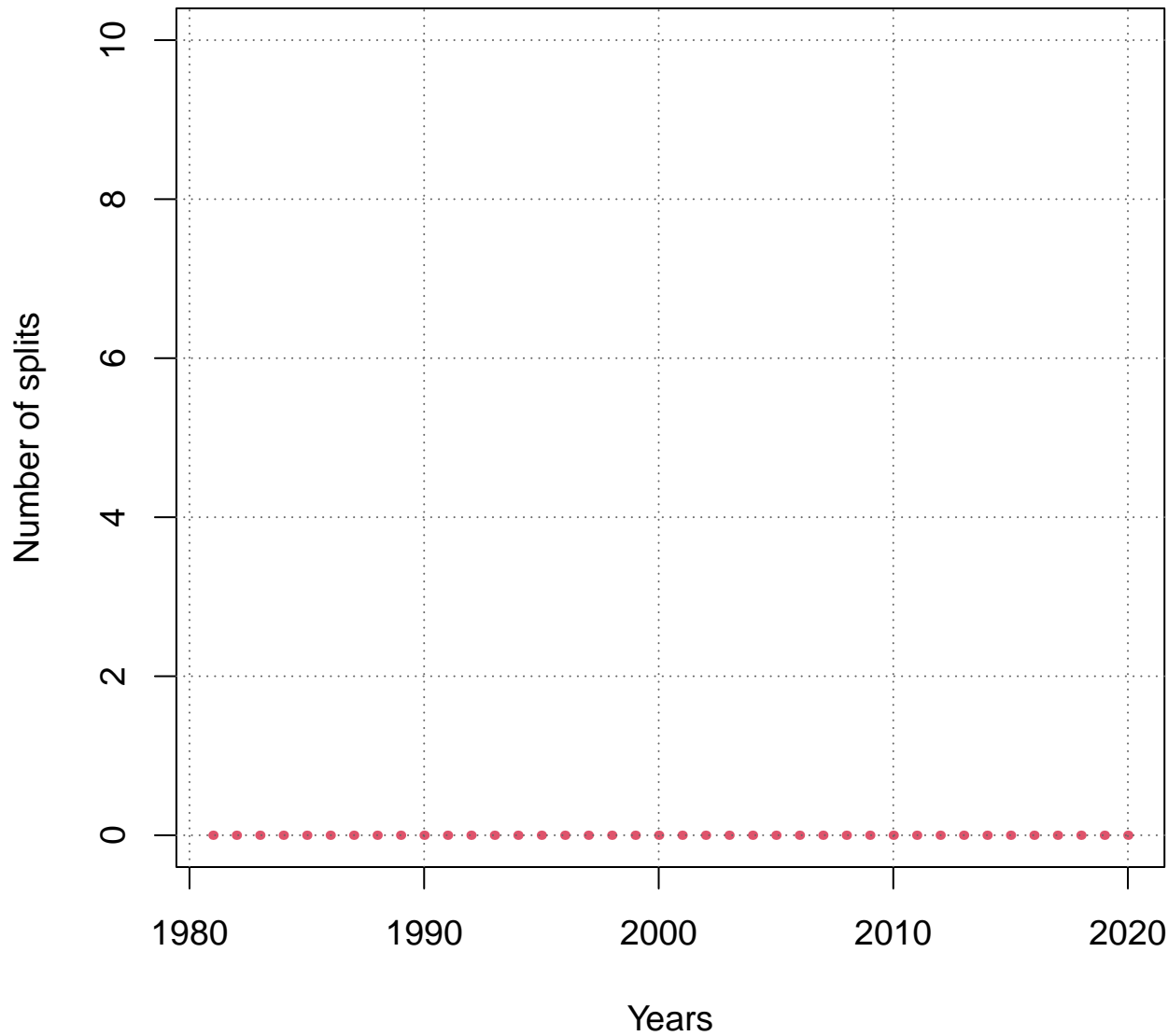
Histogram of maximum SNHT (Stage 2)



Number of splits per station



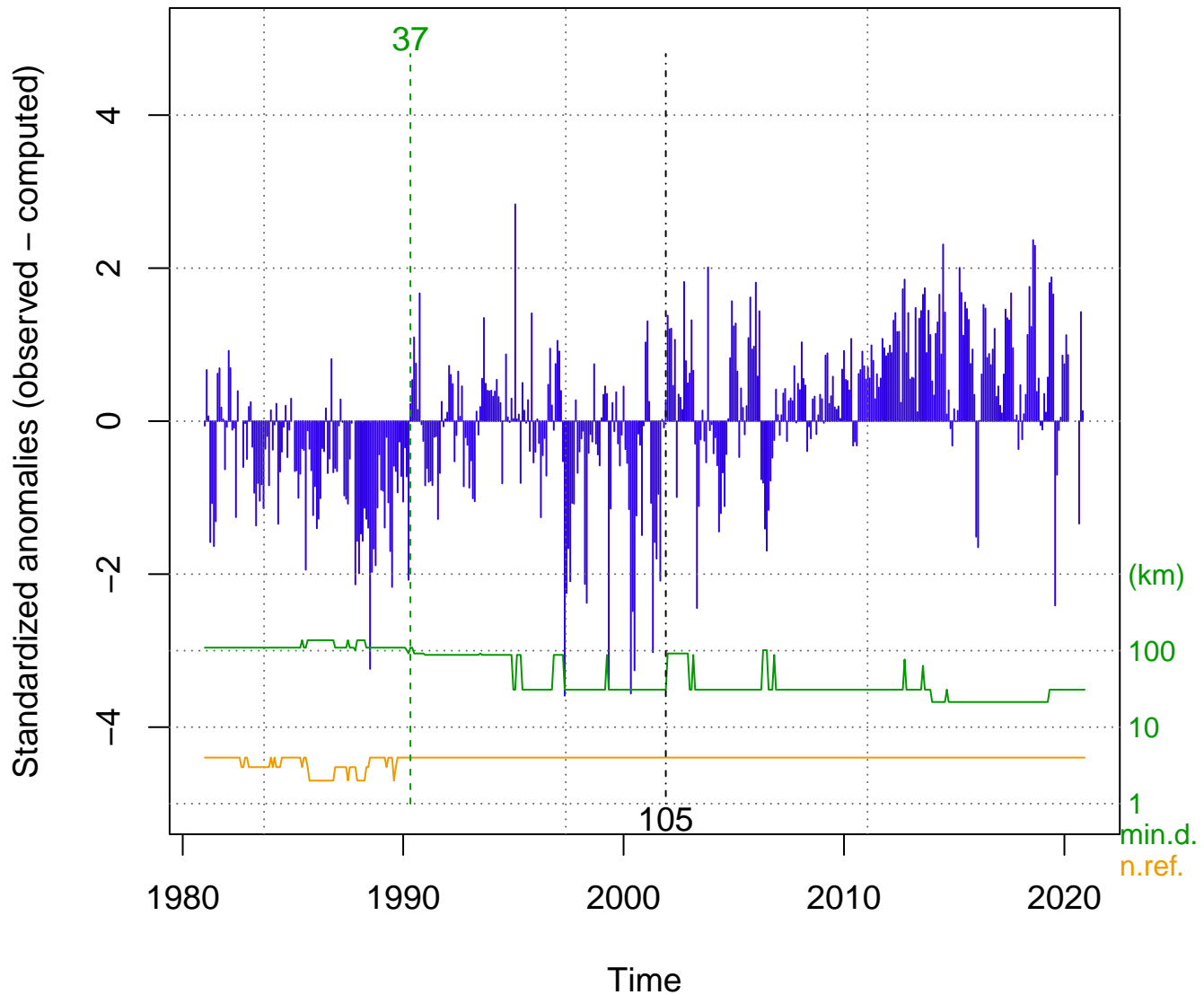
Number of splits per year



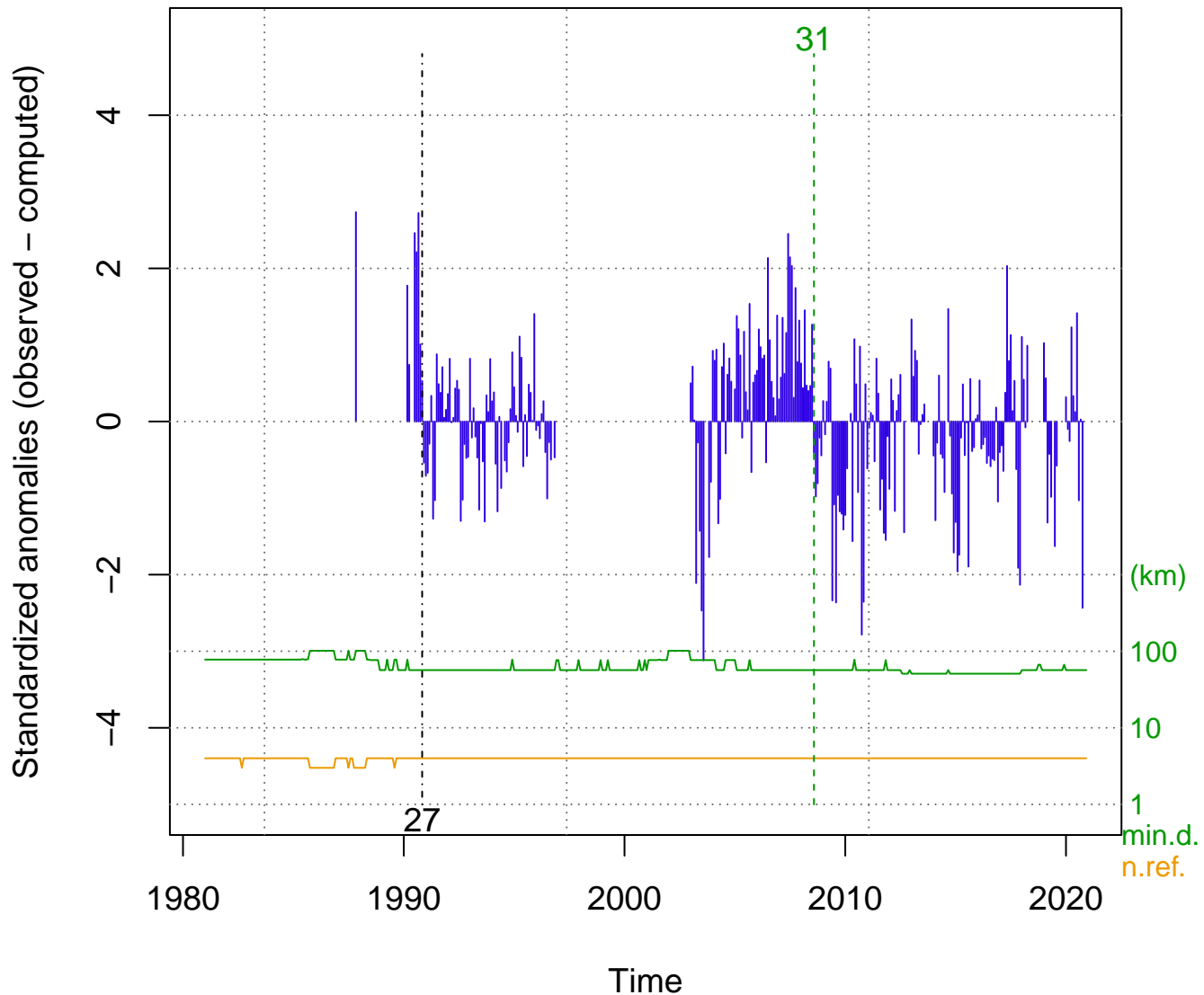
Stage 3

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

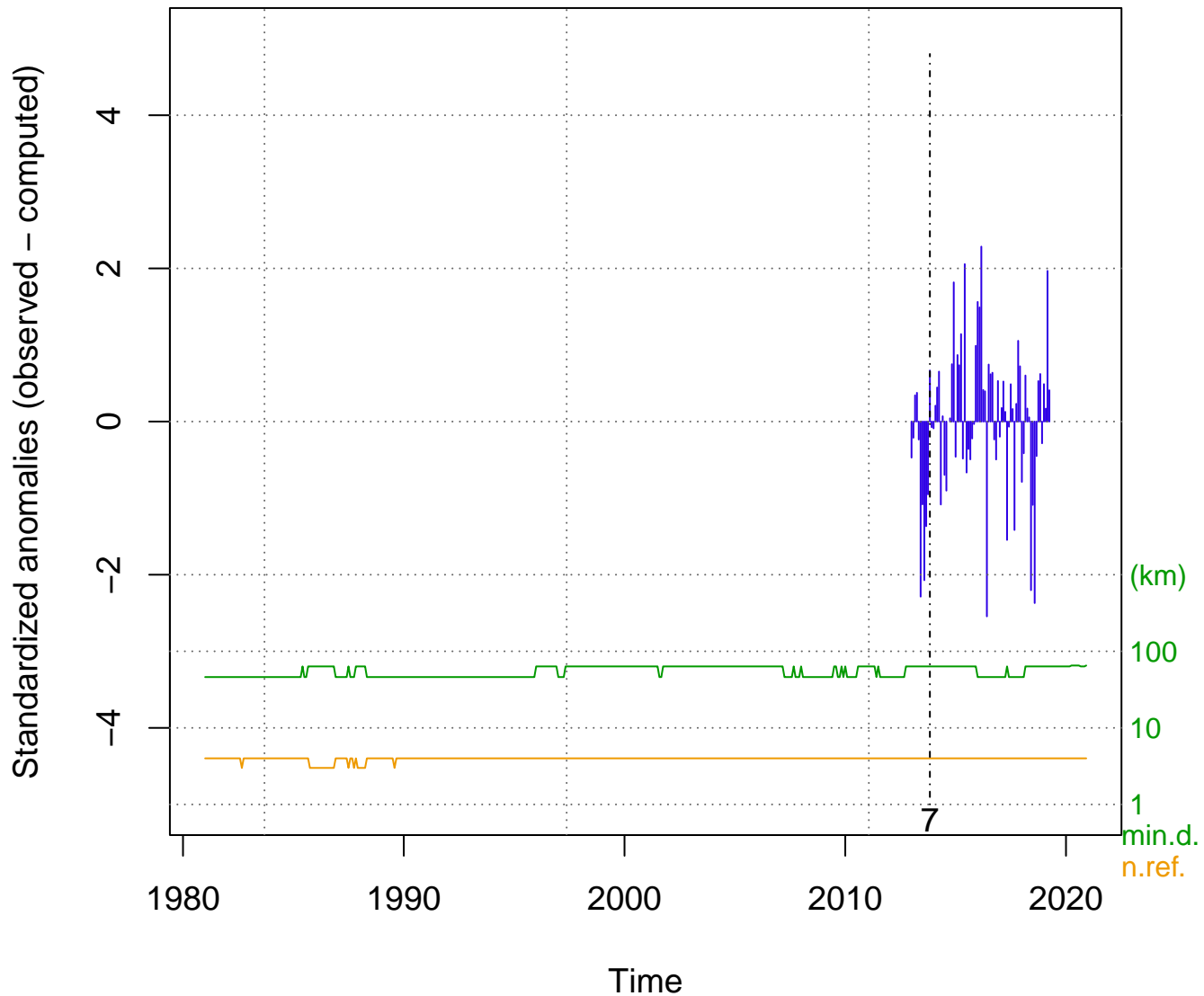
tmin-m 1 (100) aeropuerto



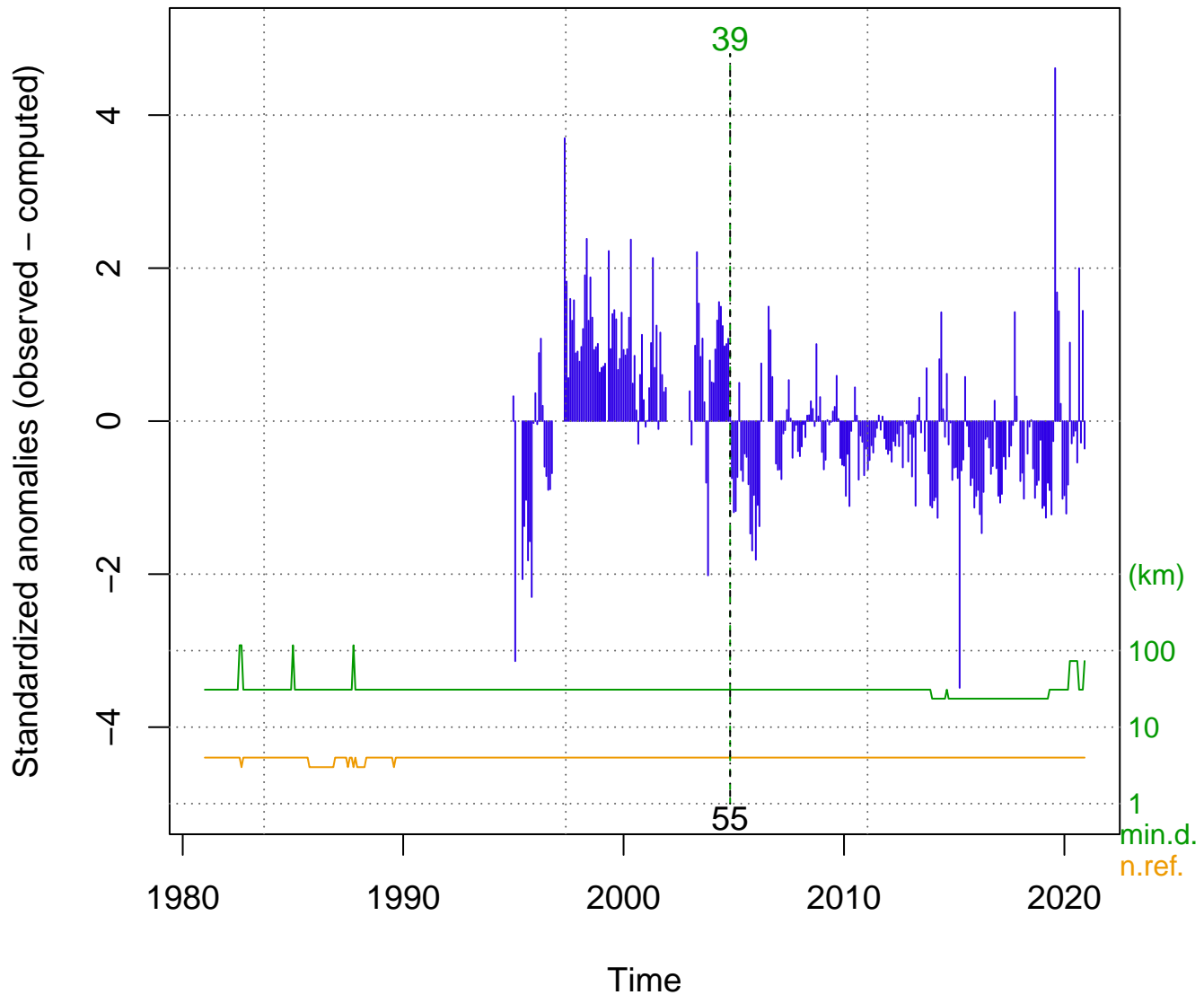
tmin-m 2 (101) andamarca



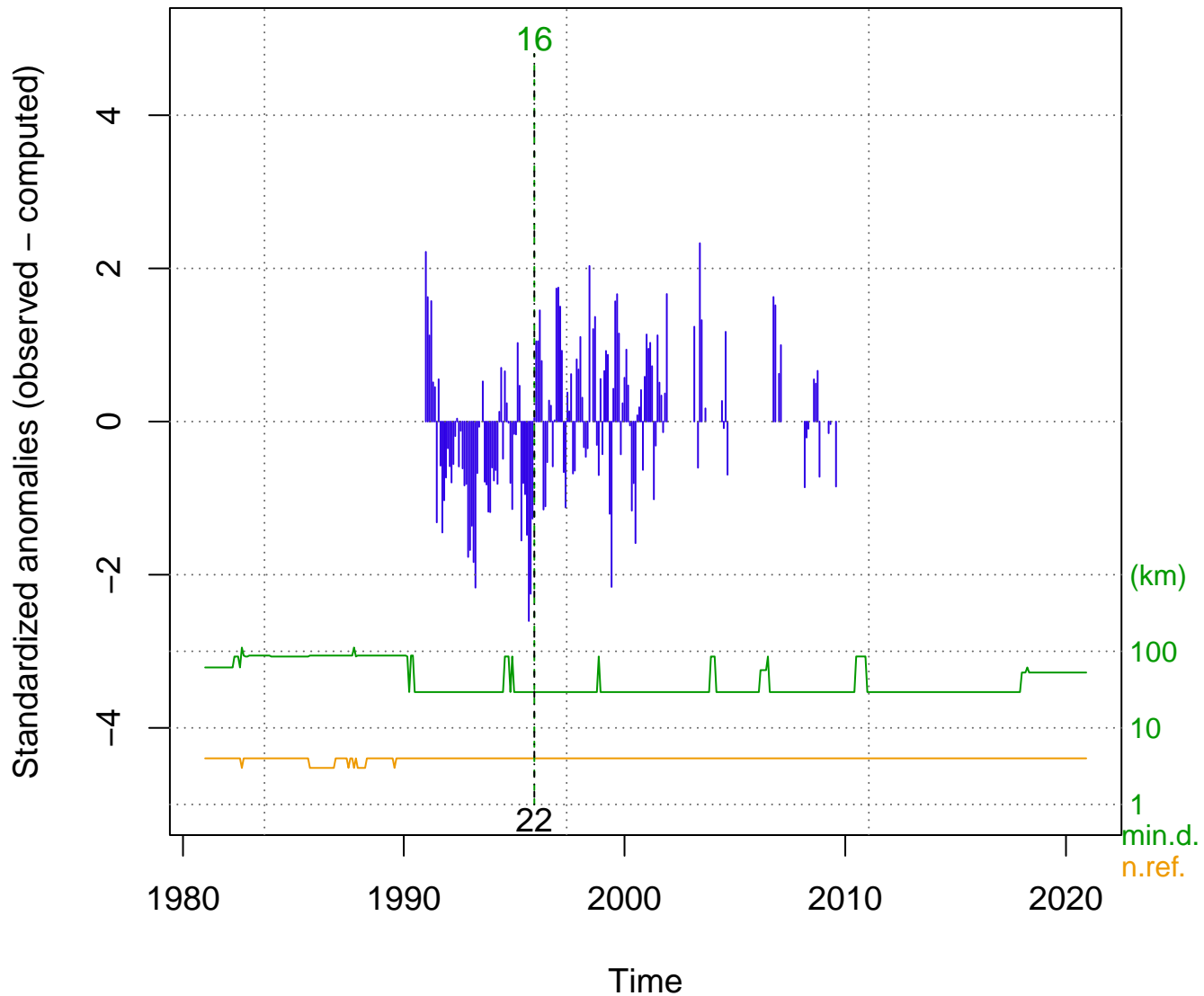
tmin-m 3 (102)
antequera



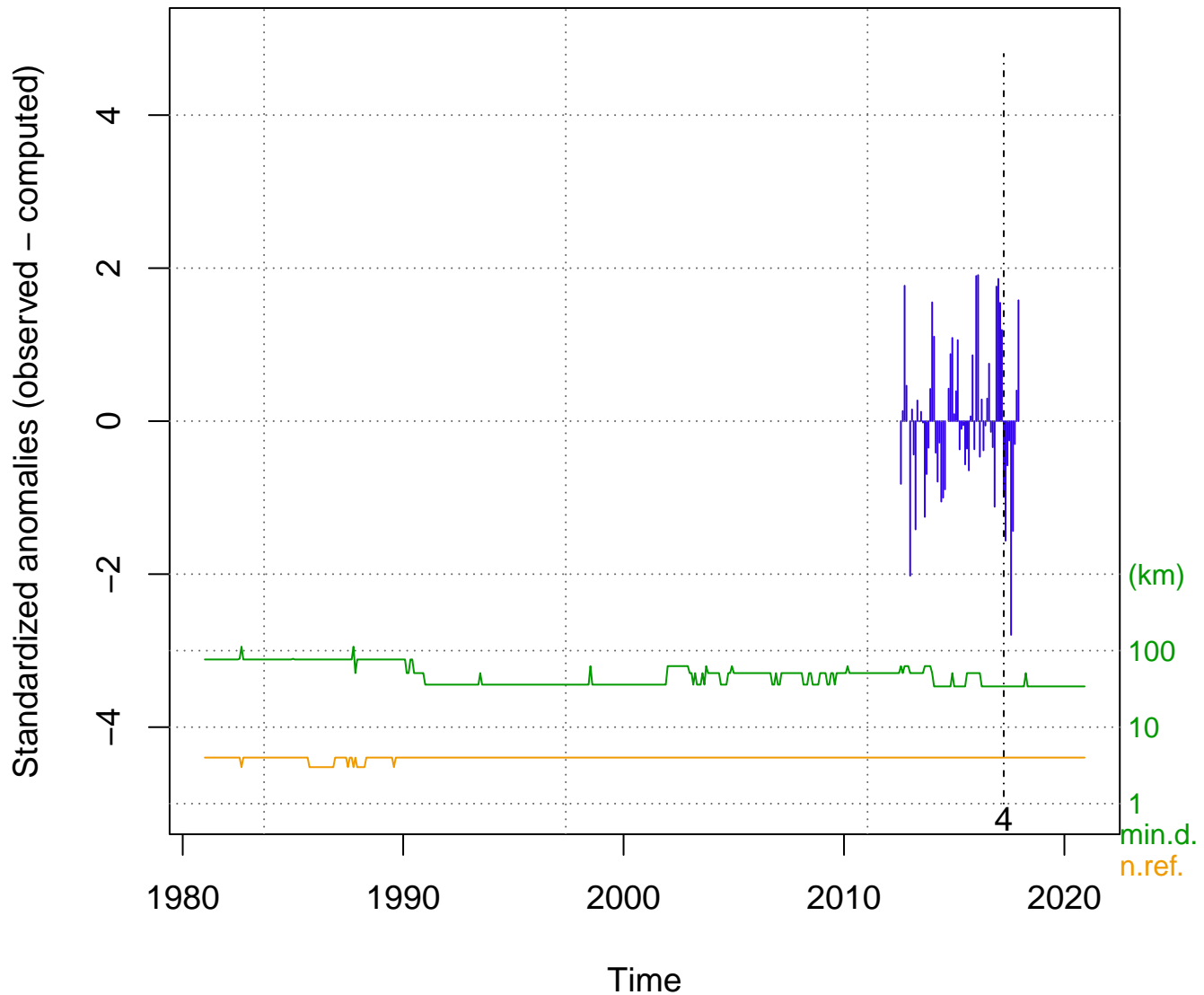
tmin-m 4 (105)
chillca



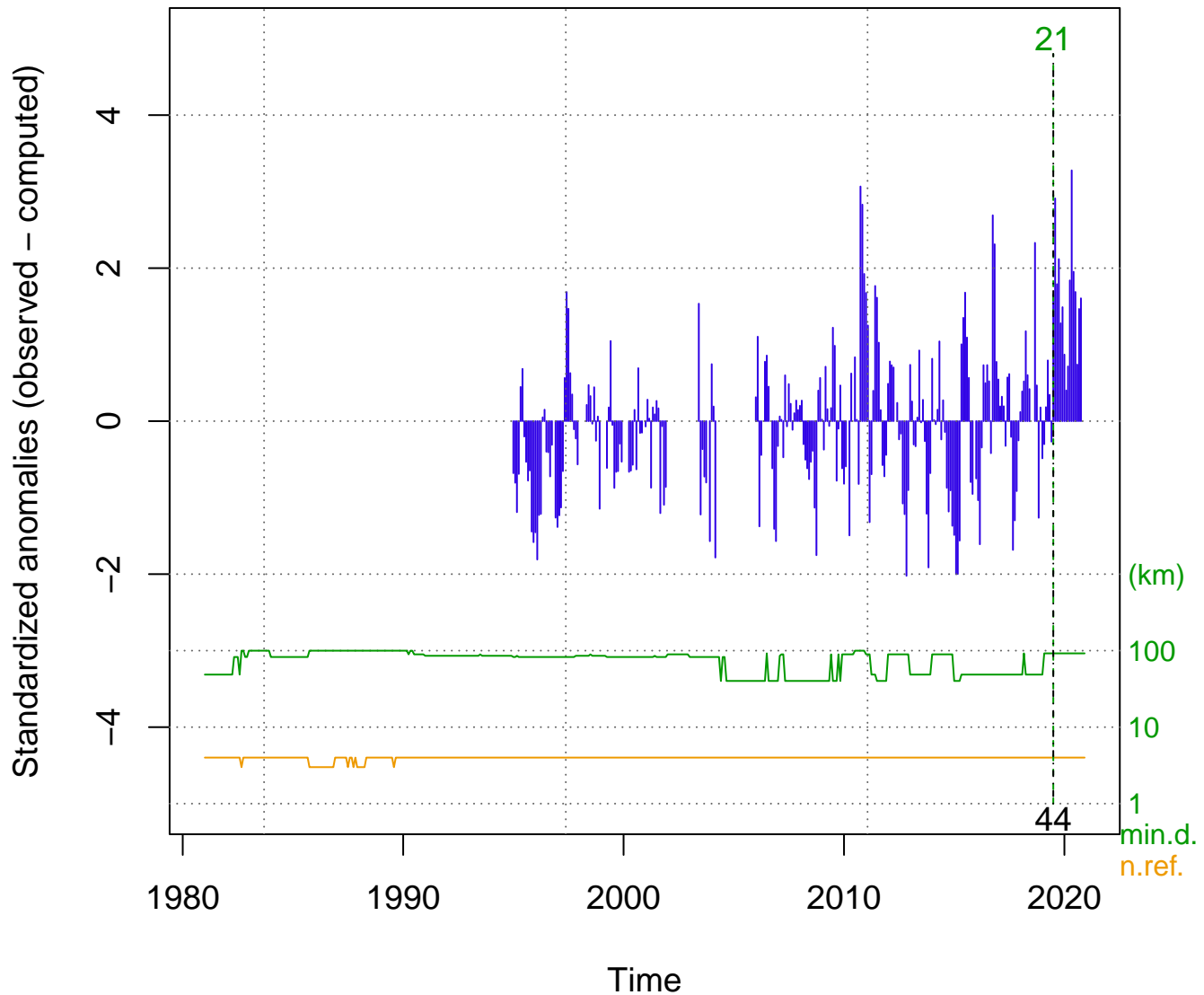
tmin-m 5 (106)
choquecota



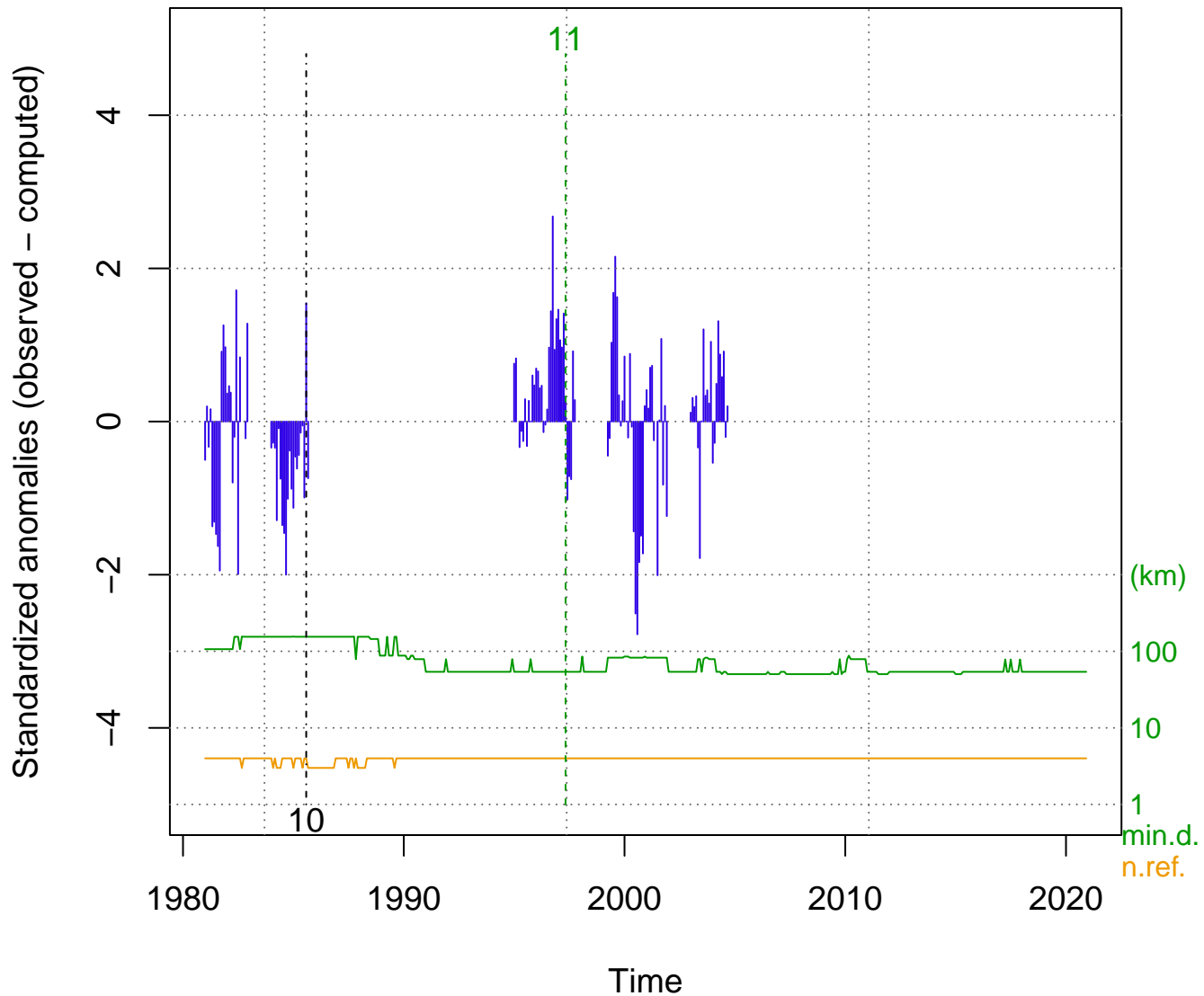
tmin-m 6 (107)
corque



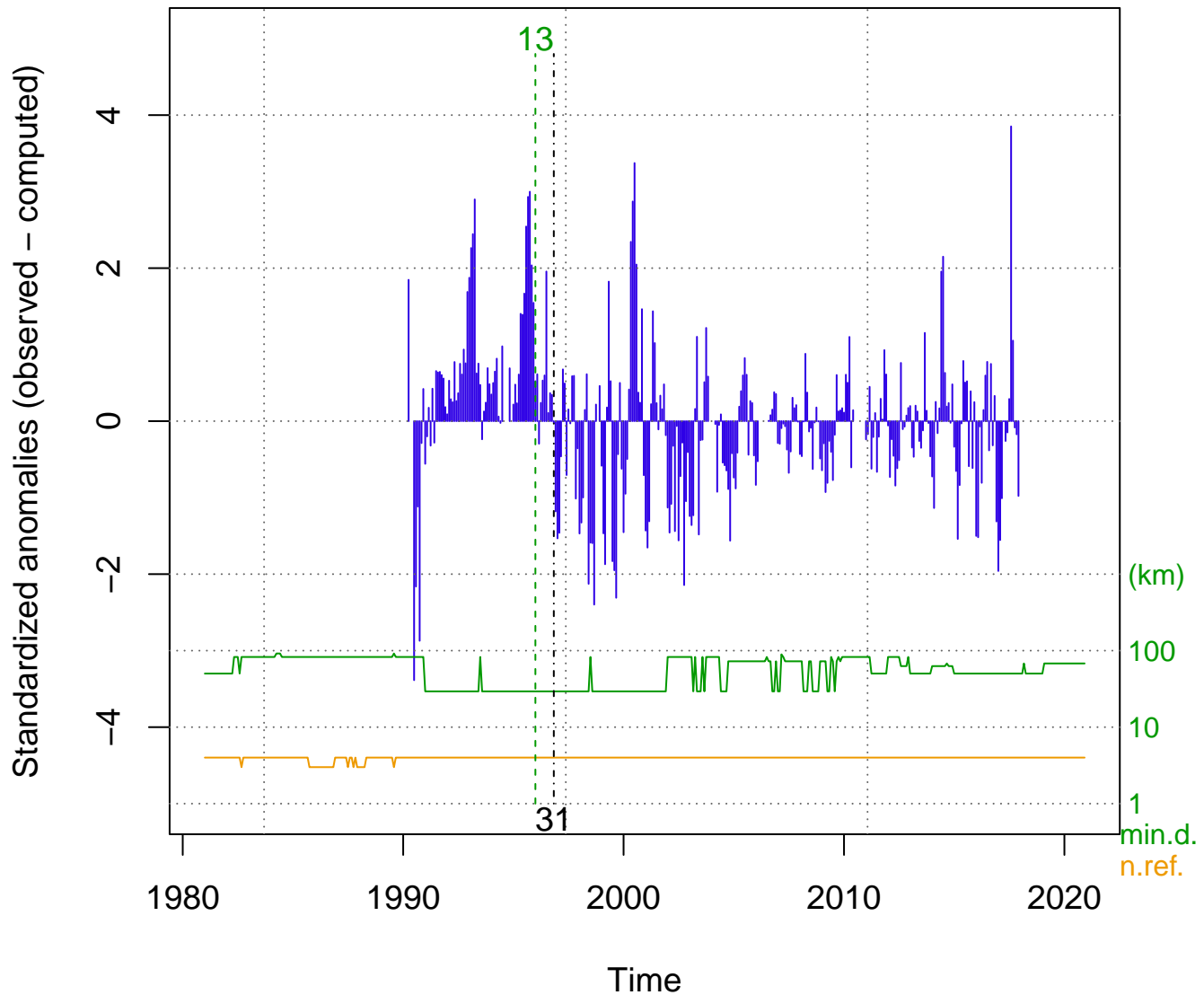
tmin-m 7 (108) cosapa



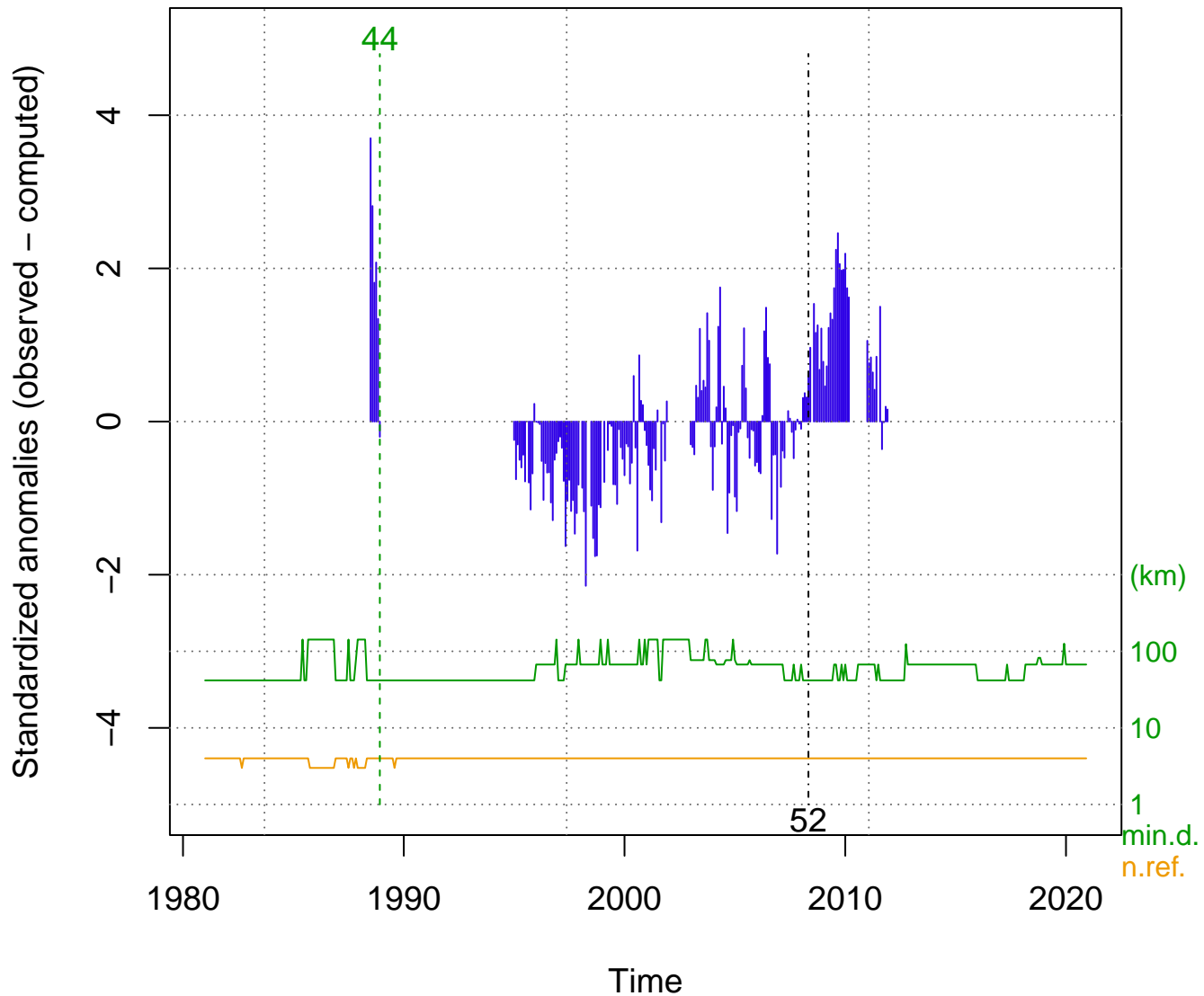
tmin-m 8 (111) huachacalla



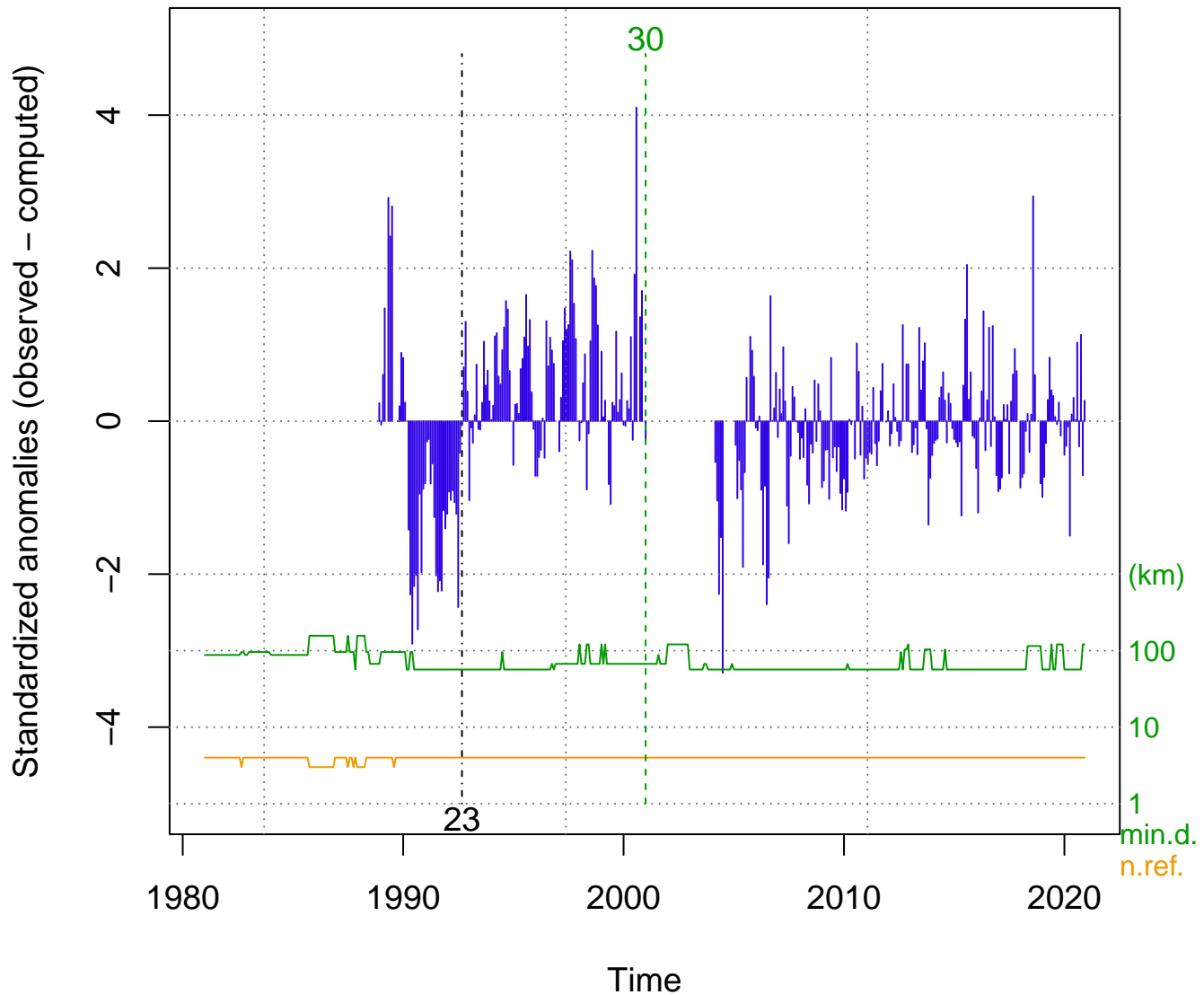
tmin-m 9 (112)
huayllamarca



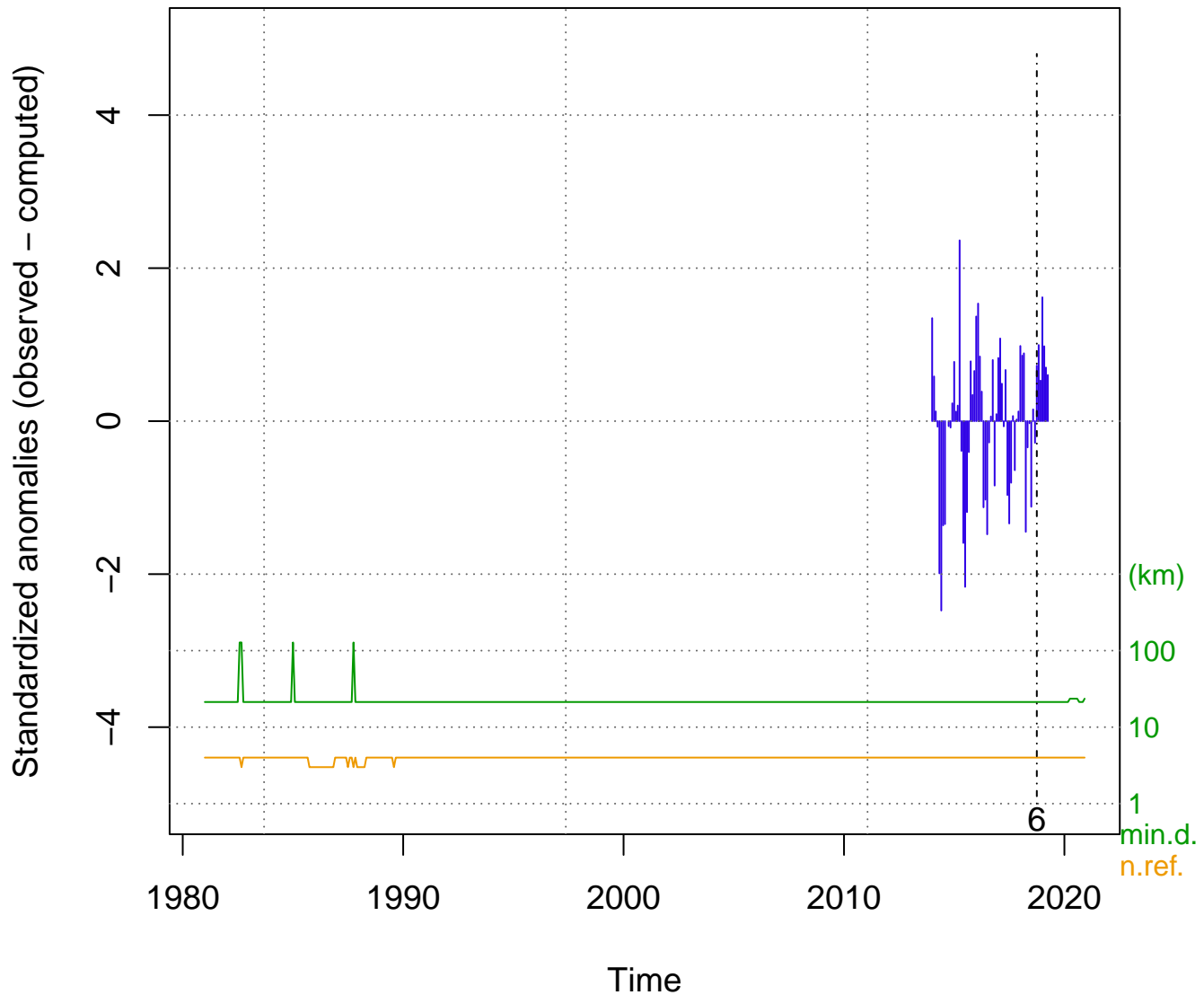
tmin-m 10 (113) quillacas



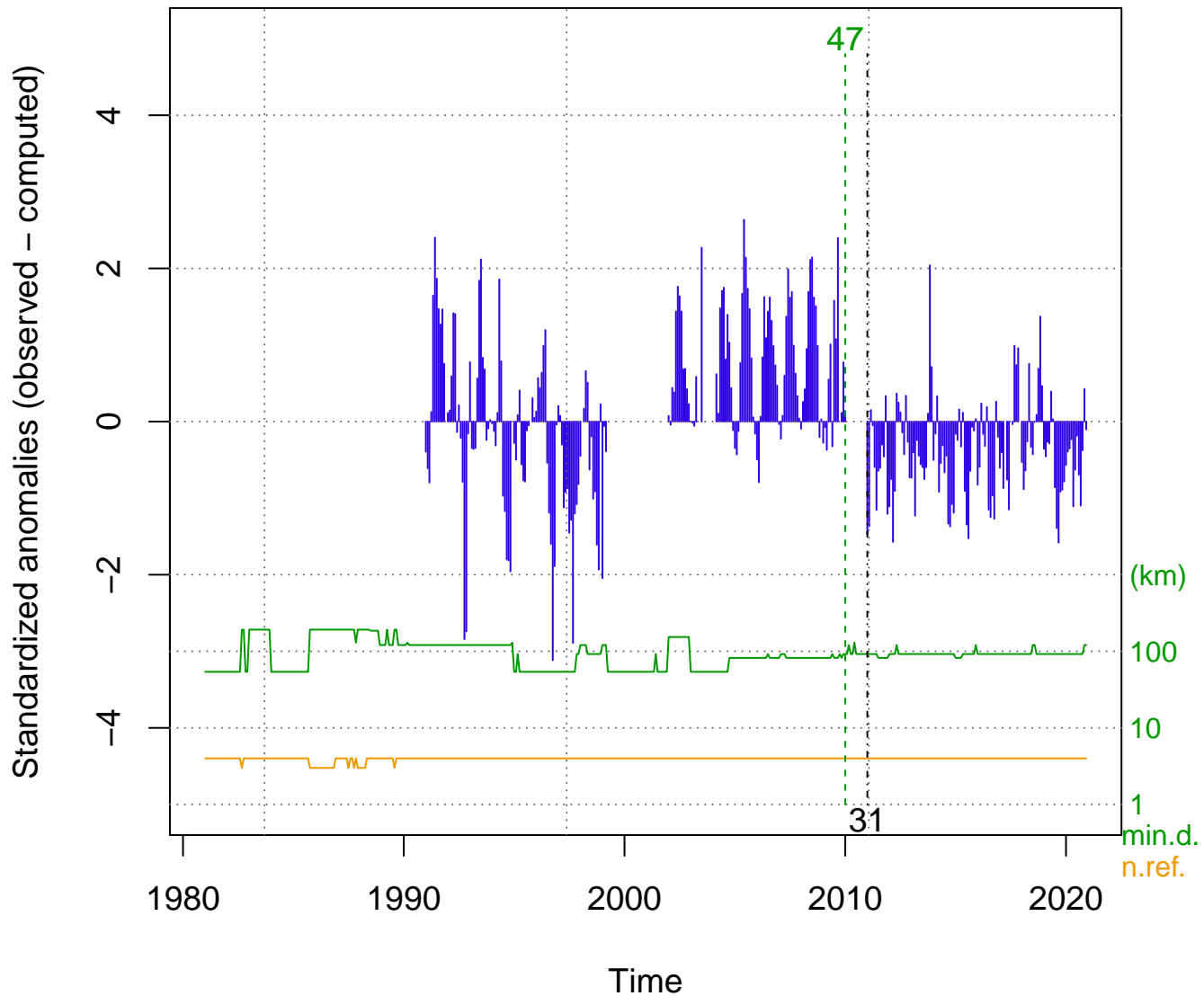
tmin-m 11 (114)
san_martin



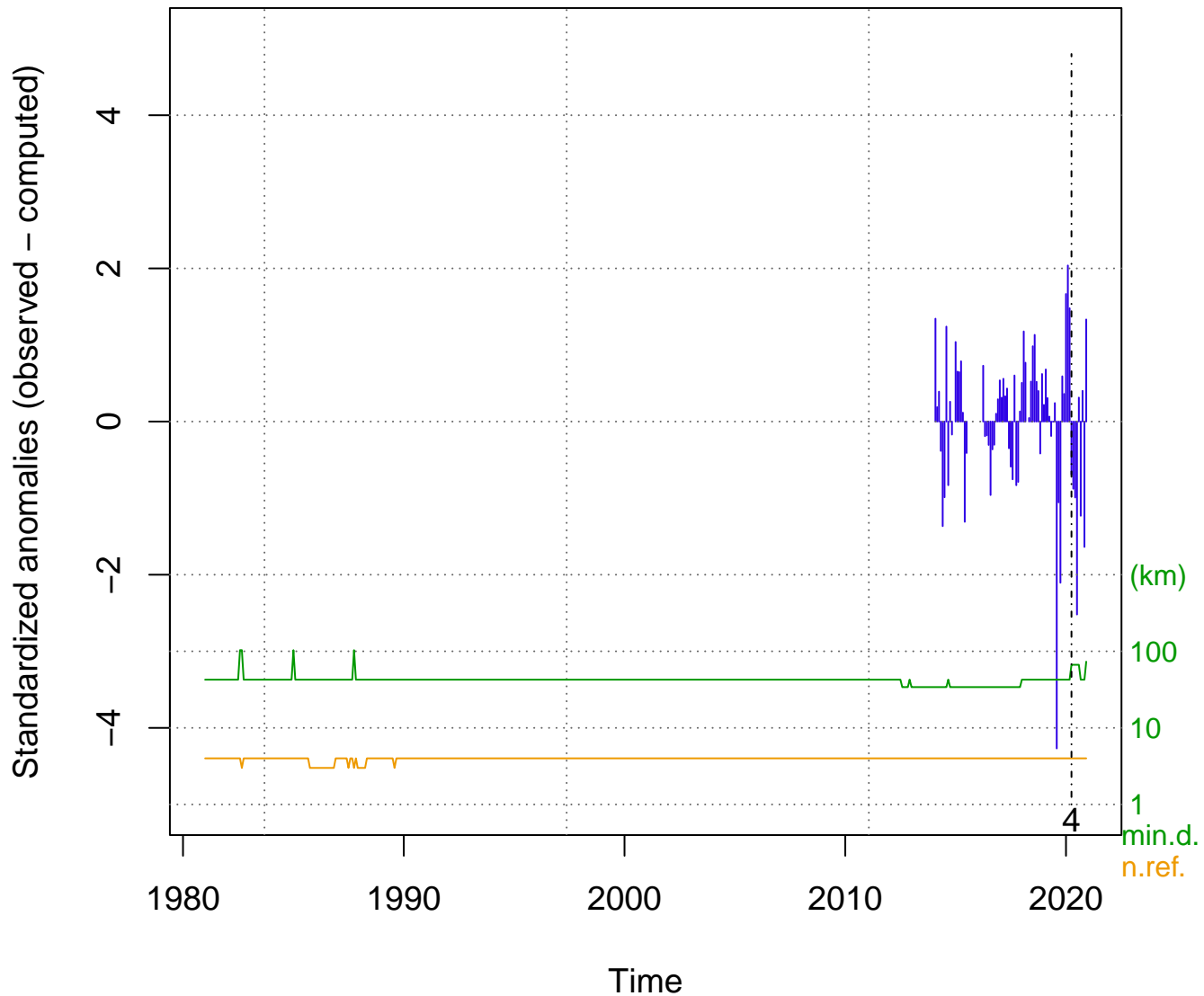
tmin-m 12 (115)
soracachi



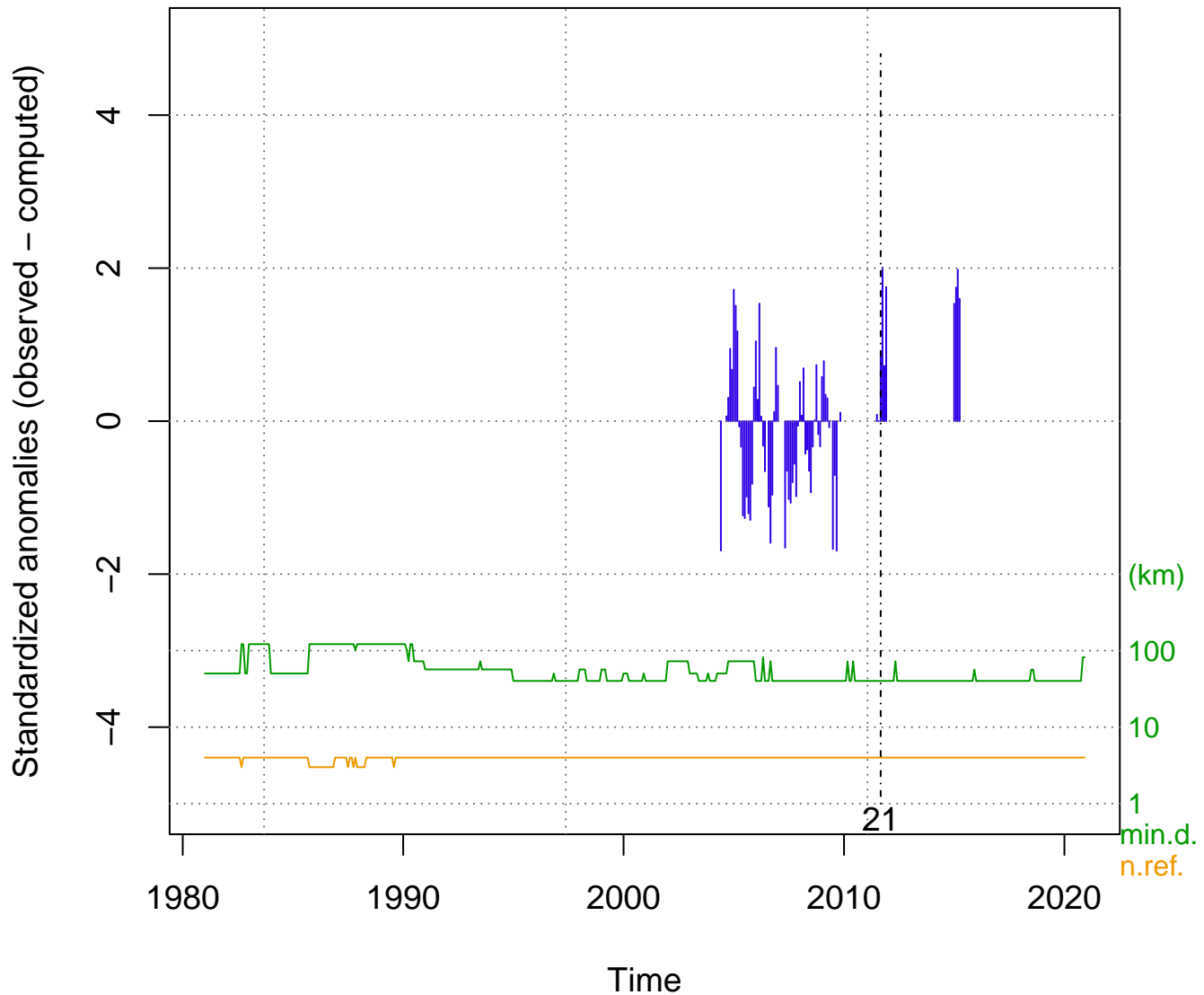
tmin-m 13 (116)
todo_santos



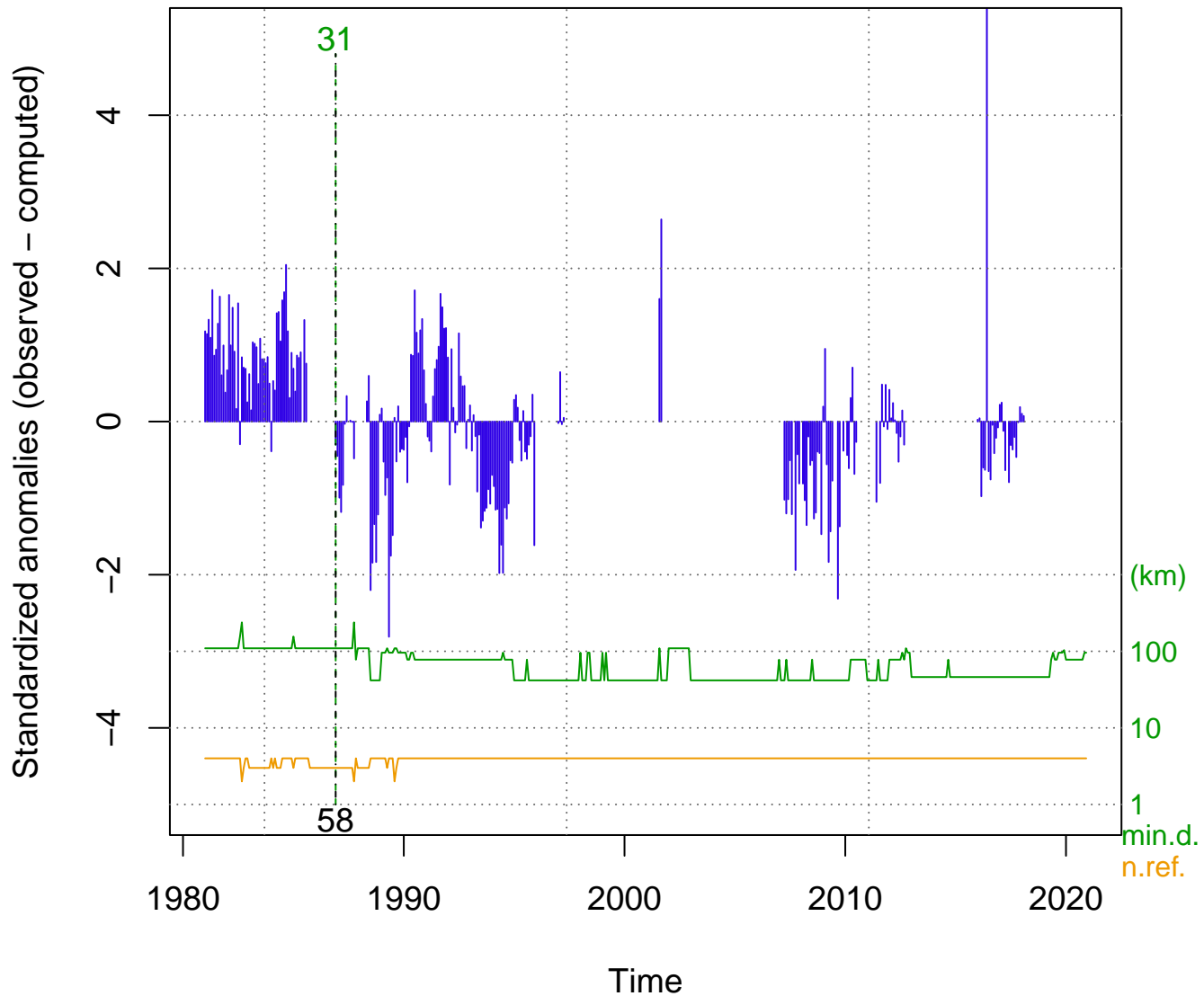
tmin-m 14 (117)
toledo



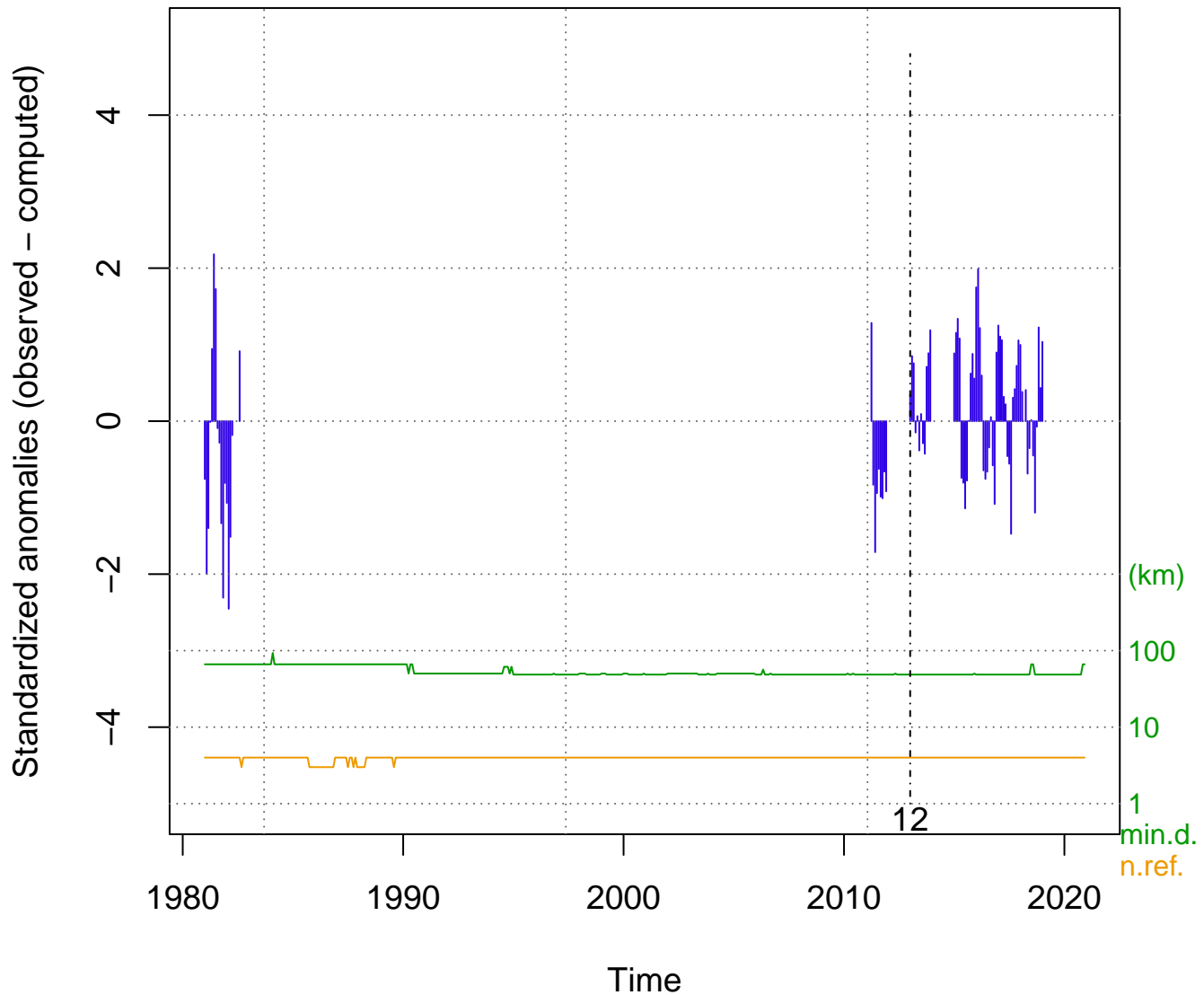
tmin-m 15 (118)
turco



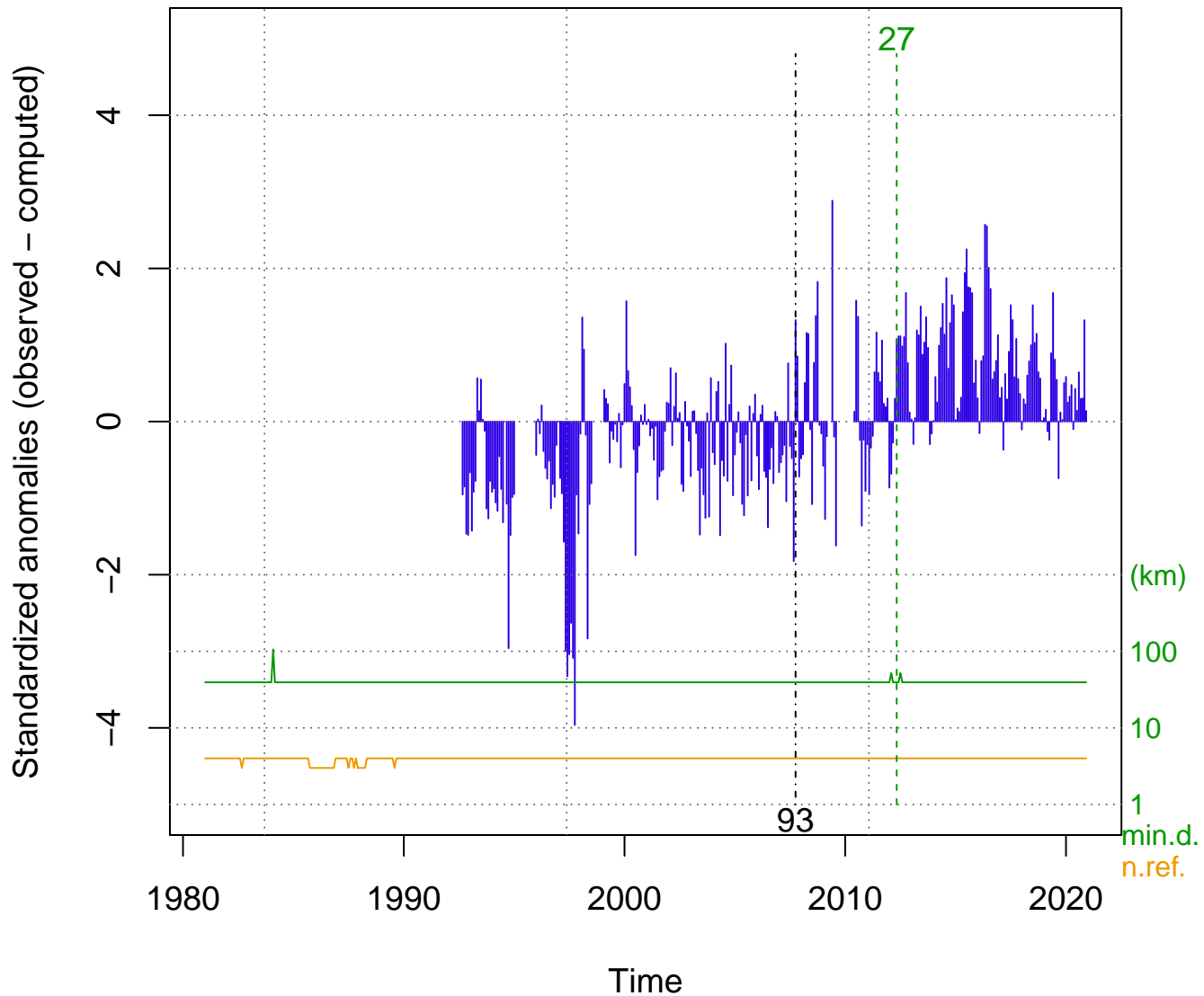
tmin-m 16 (120)
challapata



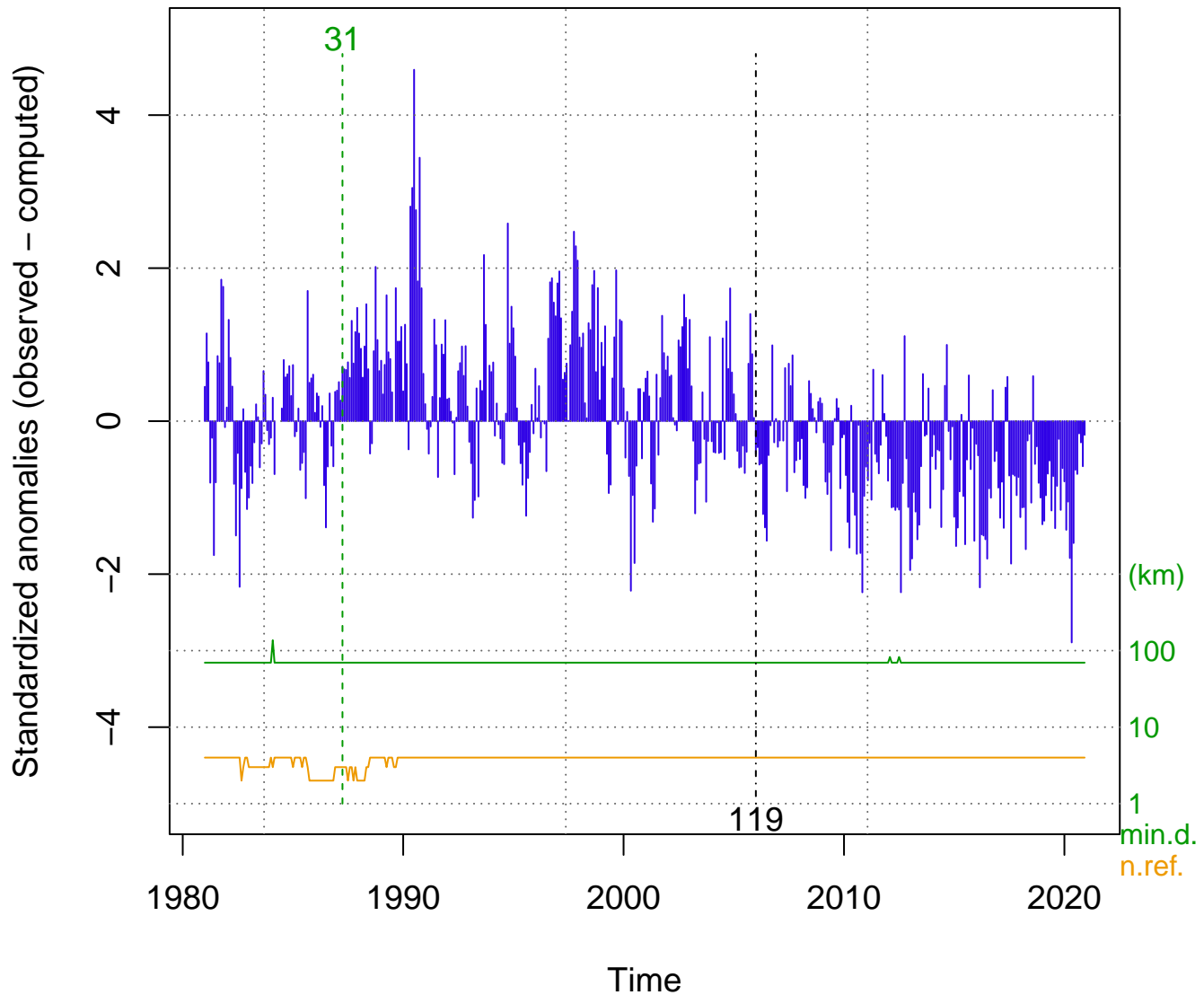
tmin-m 17 (121) curahuara



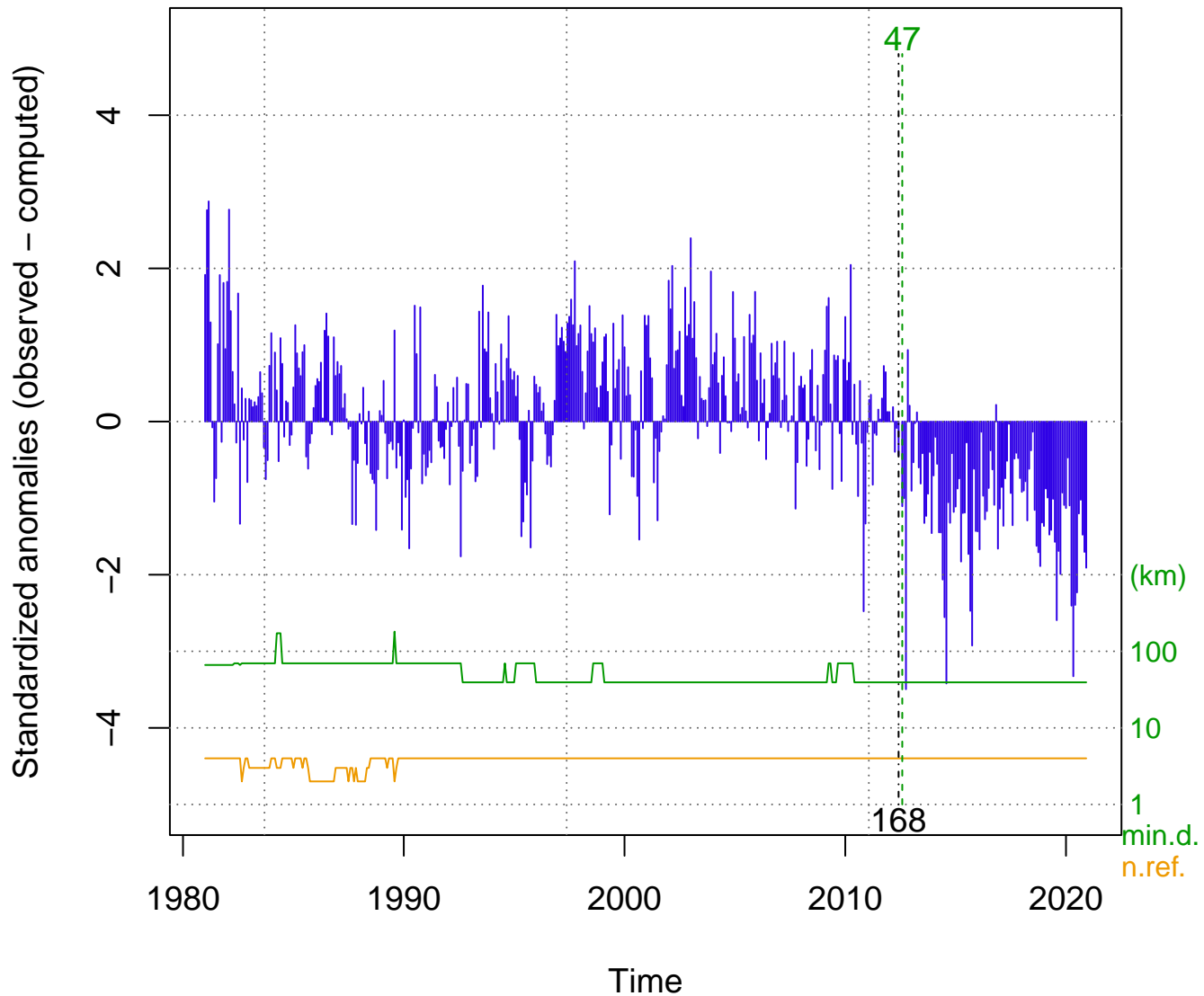
tmin-m 18 (200) achiri



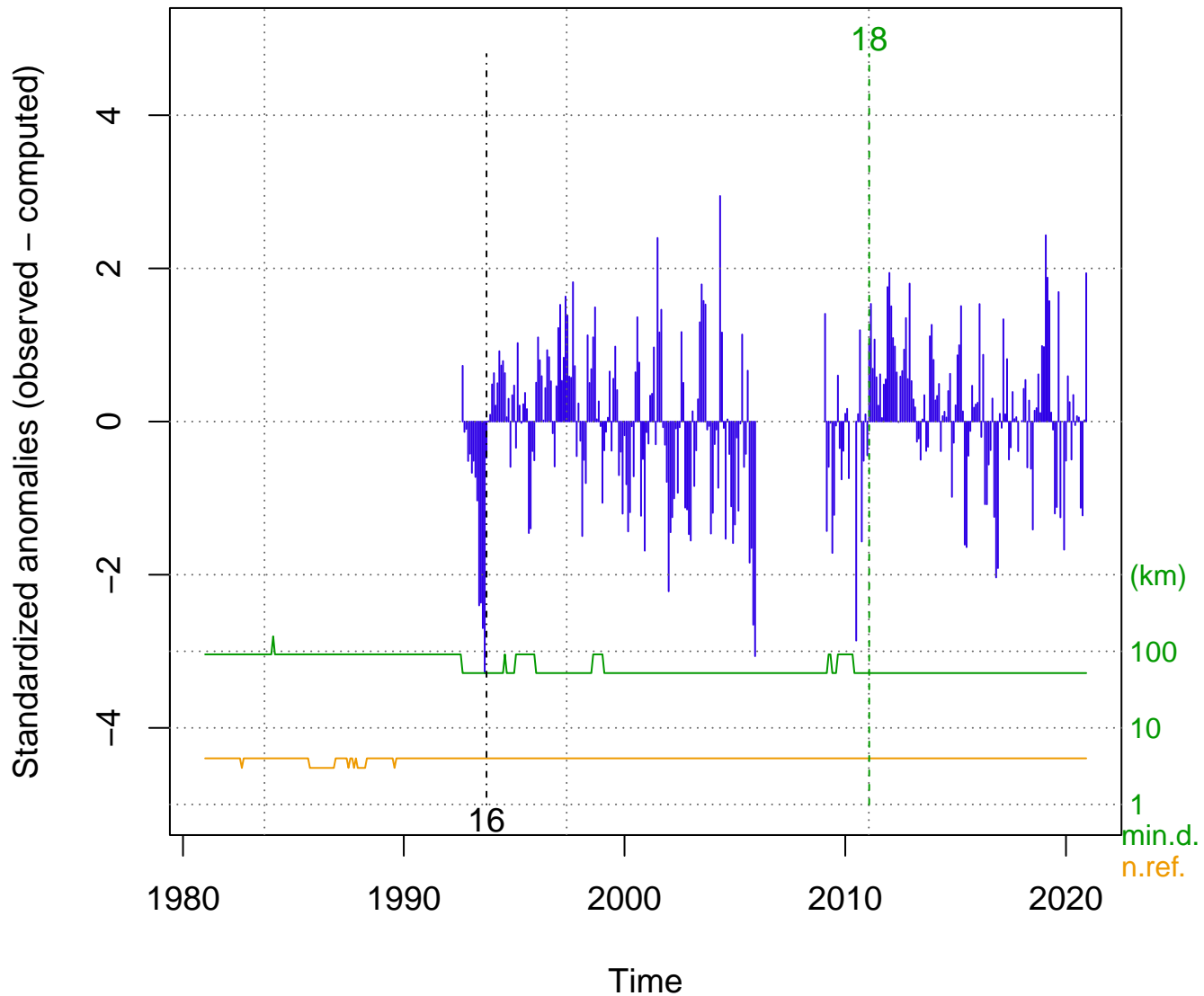
tmin-m 19 (201) ayoayo



tmin-m 20 (203) calacoto



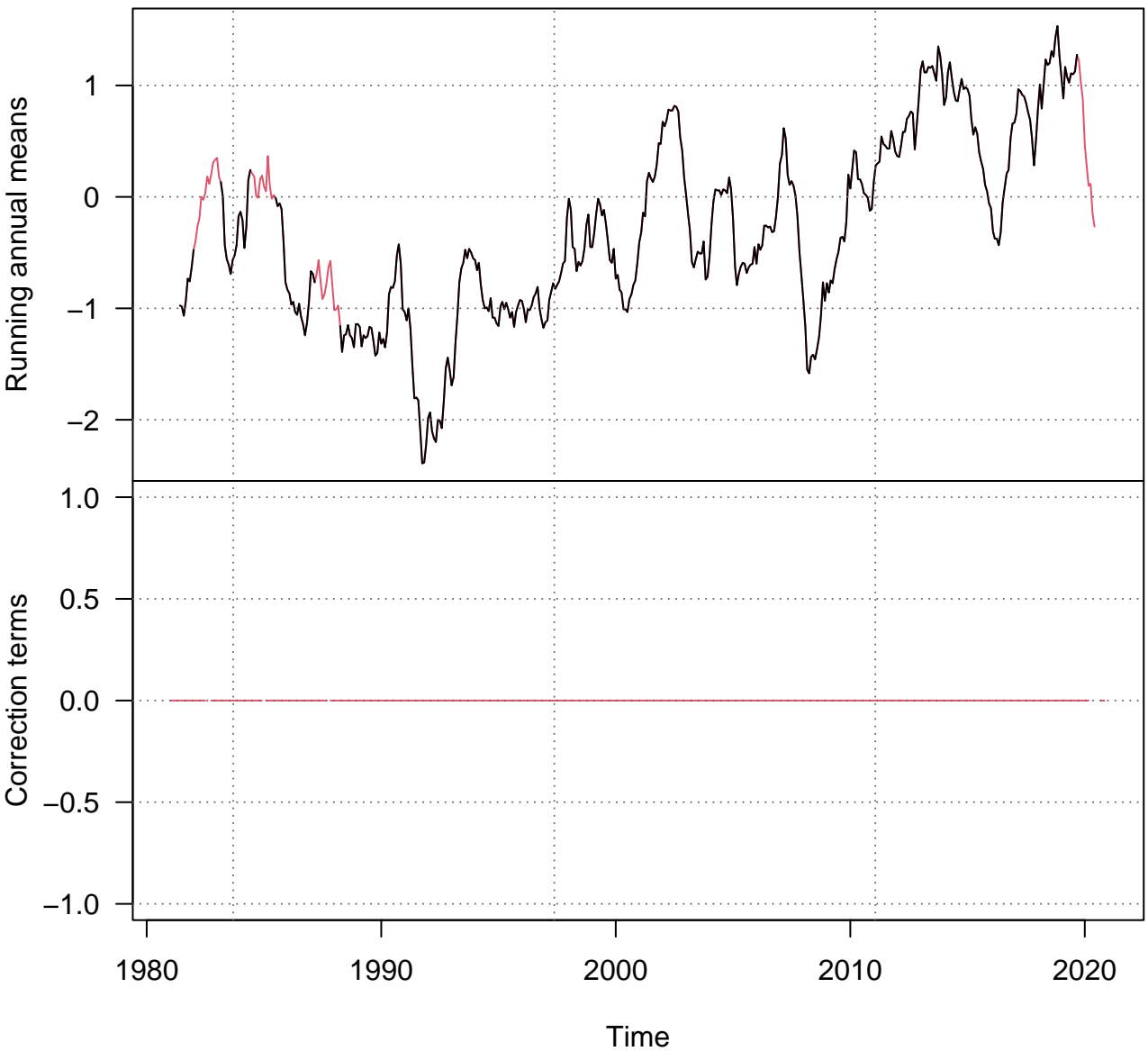
tmin-m 21 (204) catacora



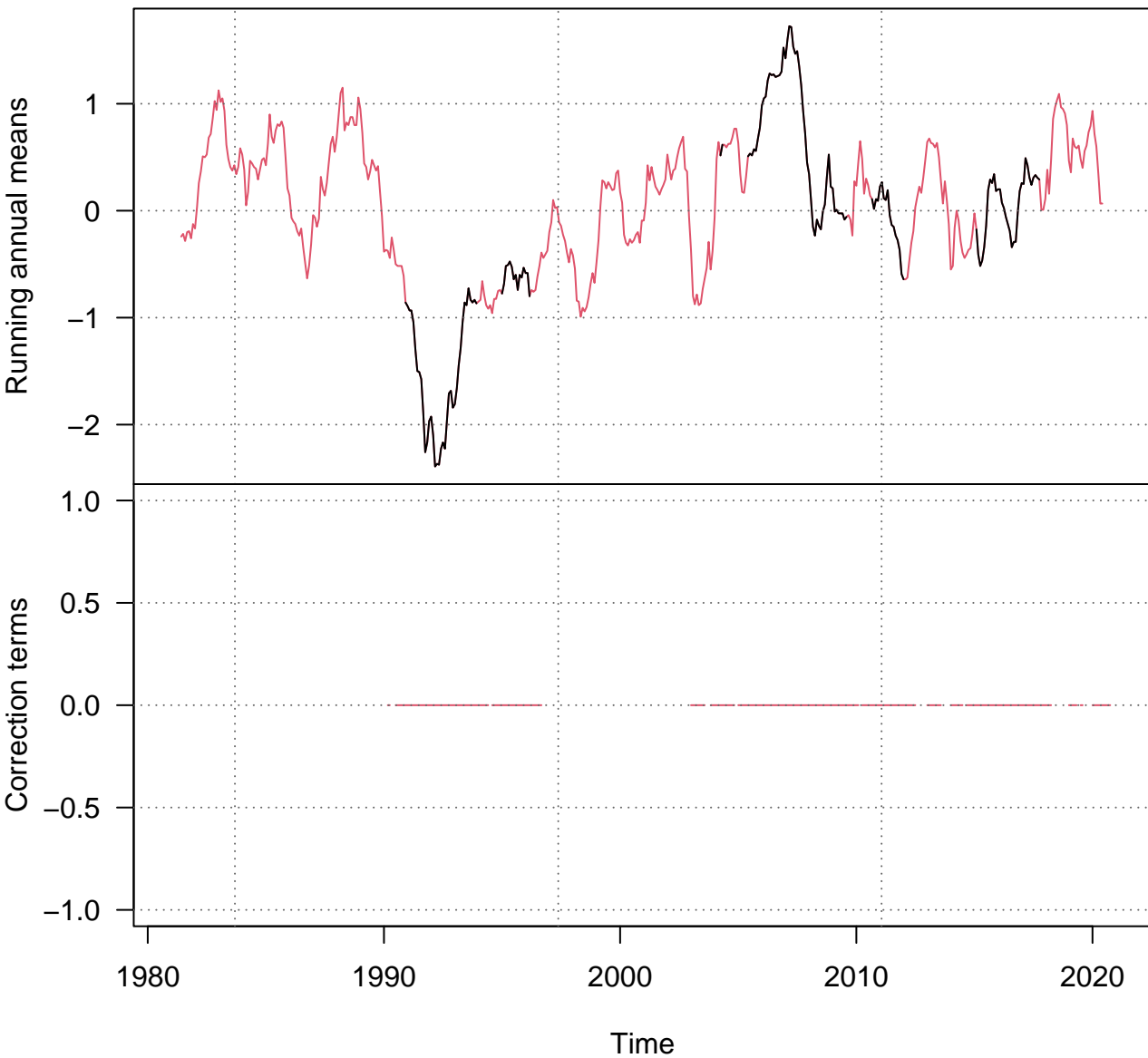
Final graphics

Adjusted series and
applied corrections

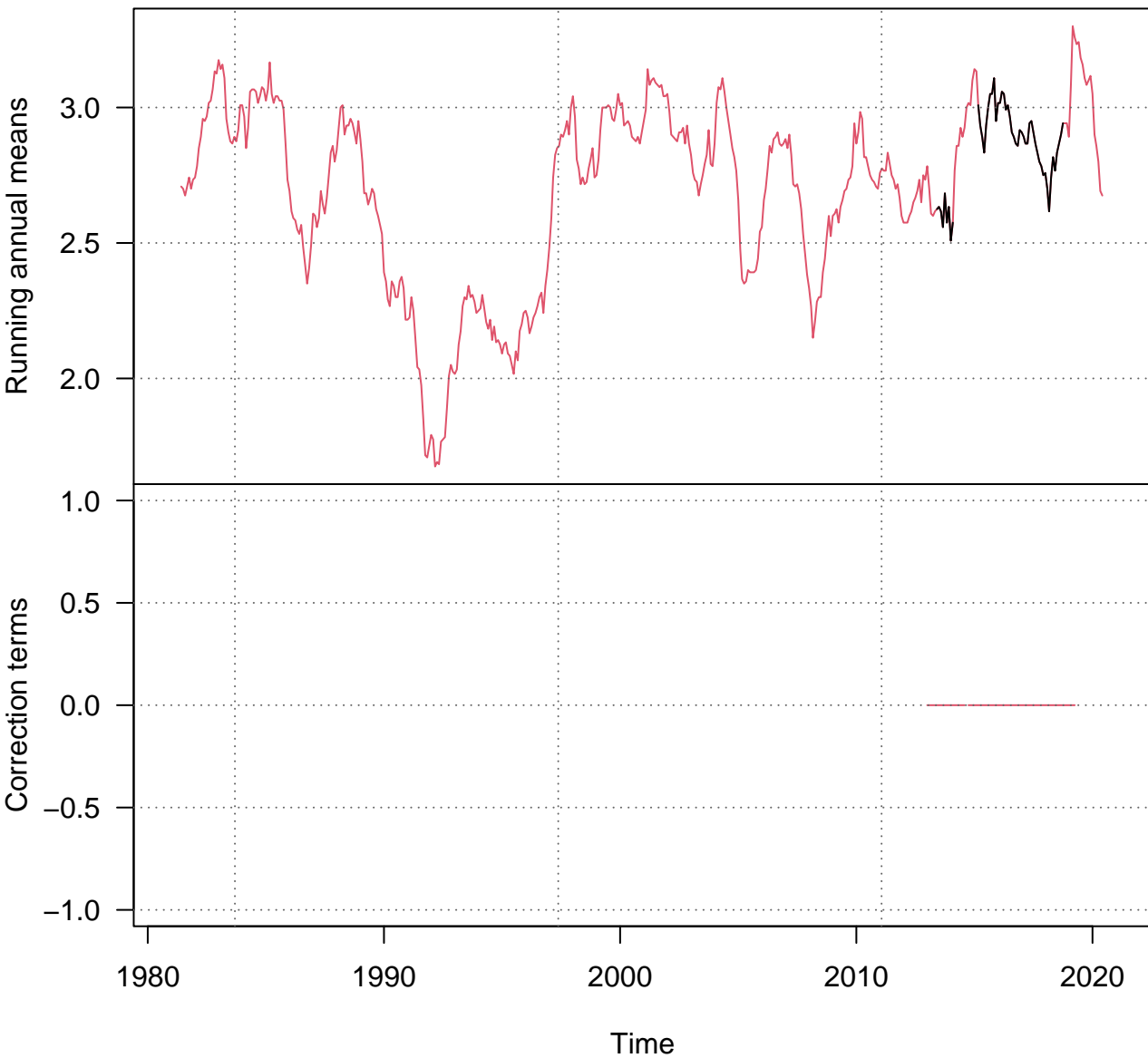
tmin-m 1 (100)
aeropuerto



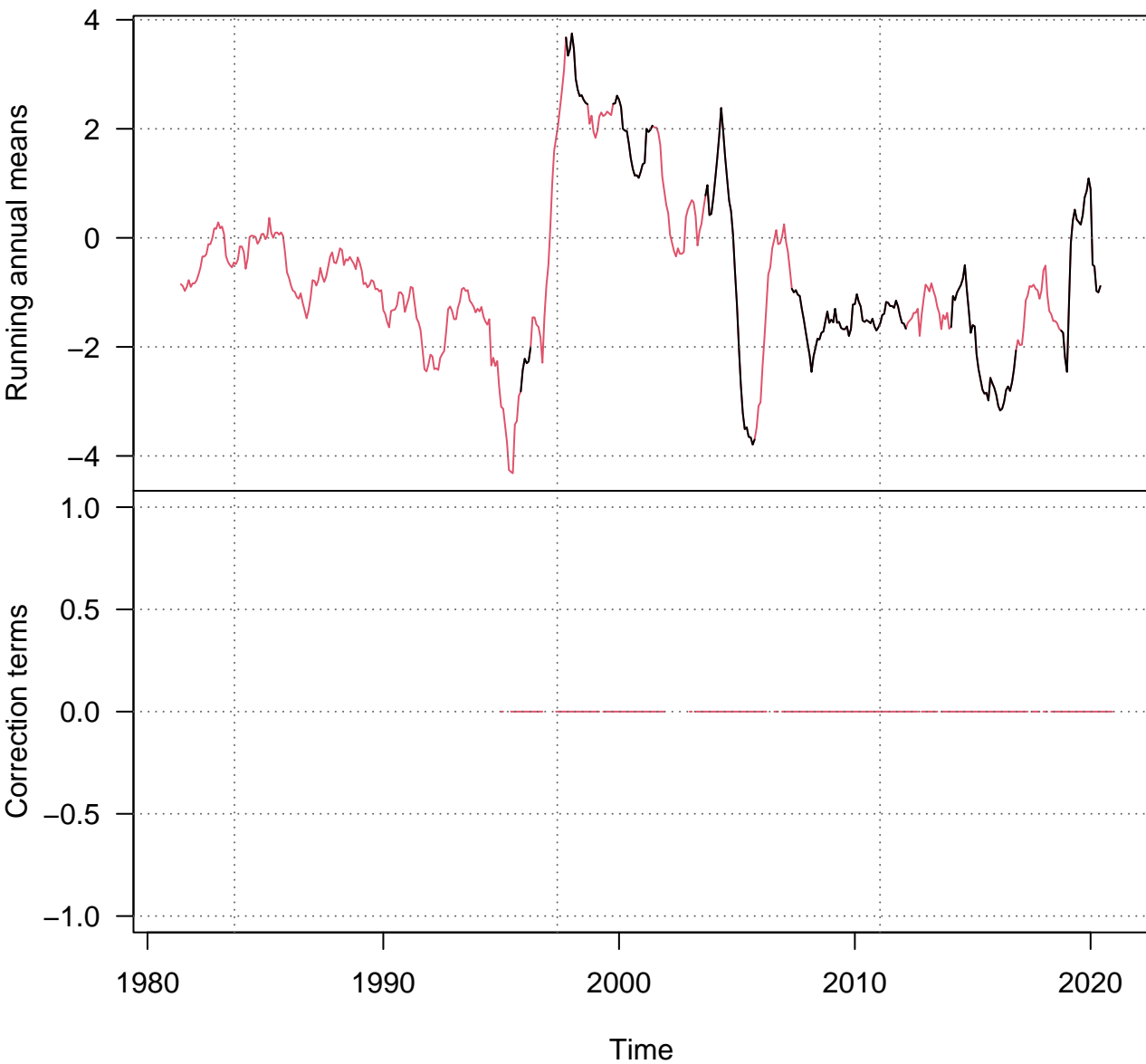
tmin-m 2 (101)
andamarca



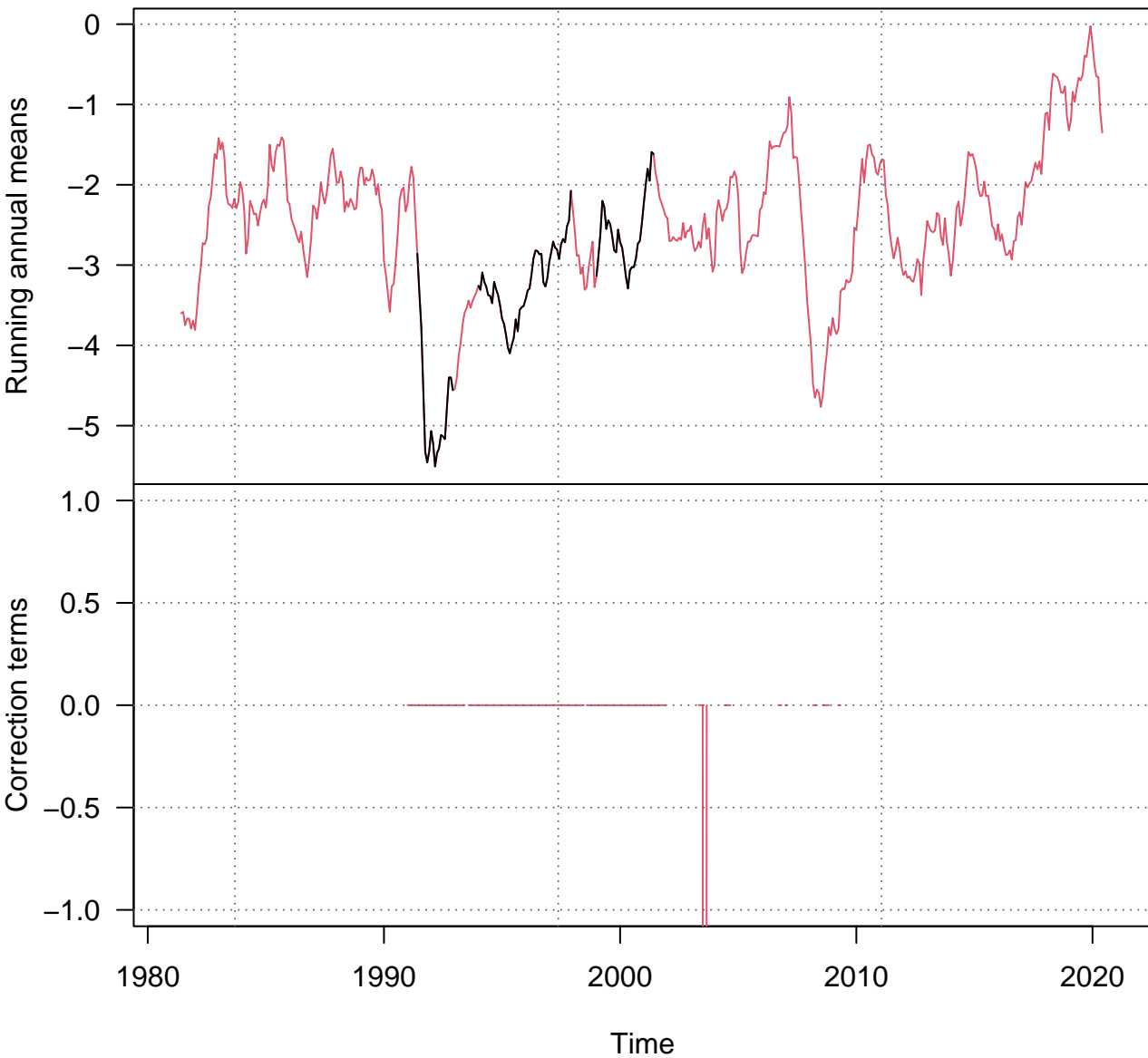
tmin-m 3 (102)
antequera



tmin-m 4 (105)
chillca

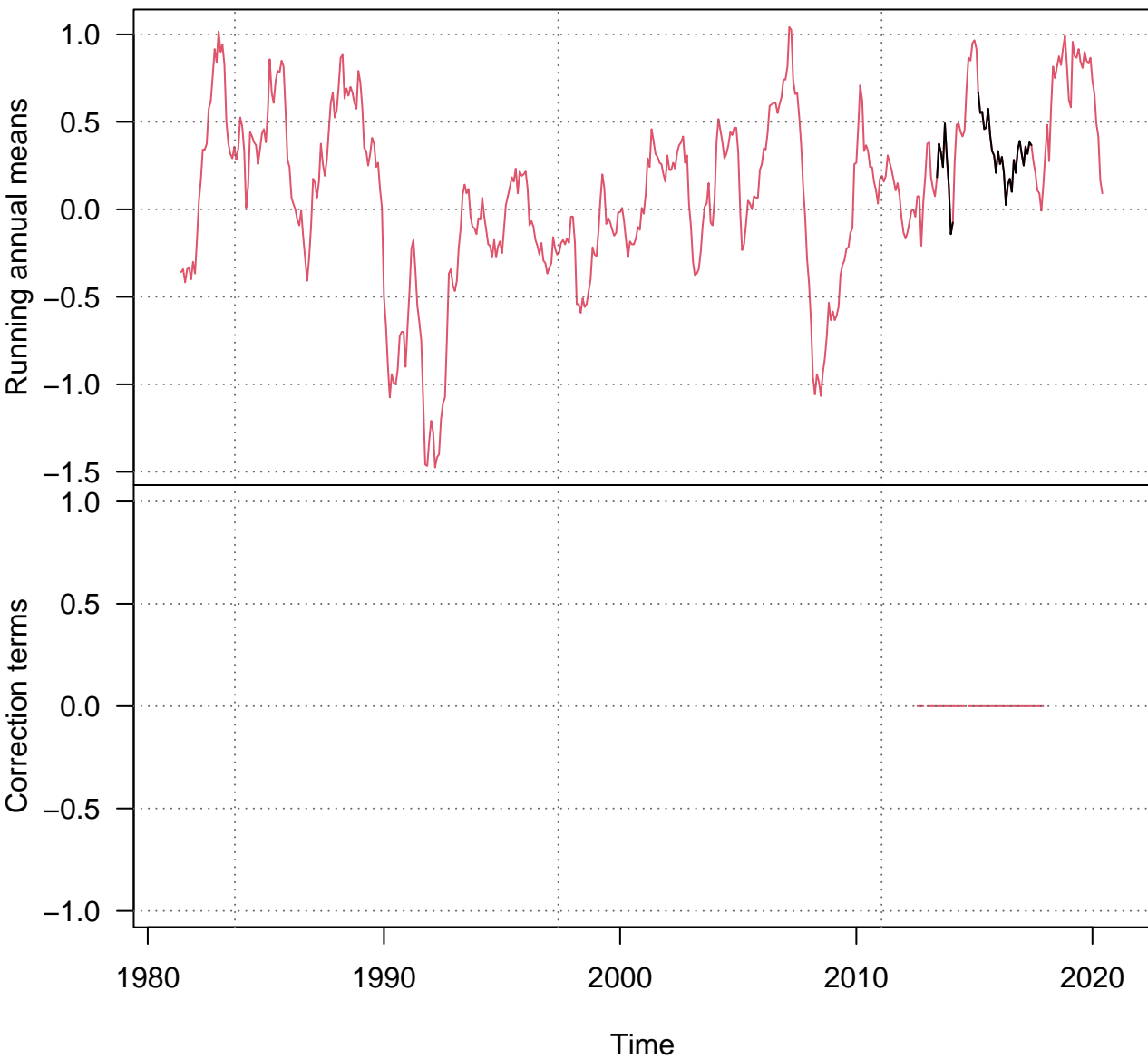


tmin-m 5 (106)
choquecota

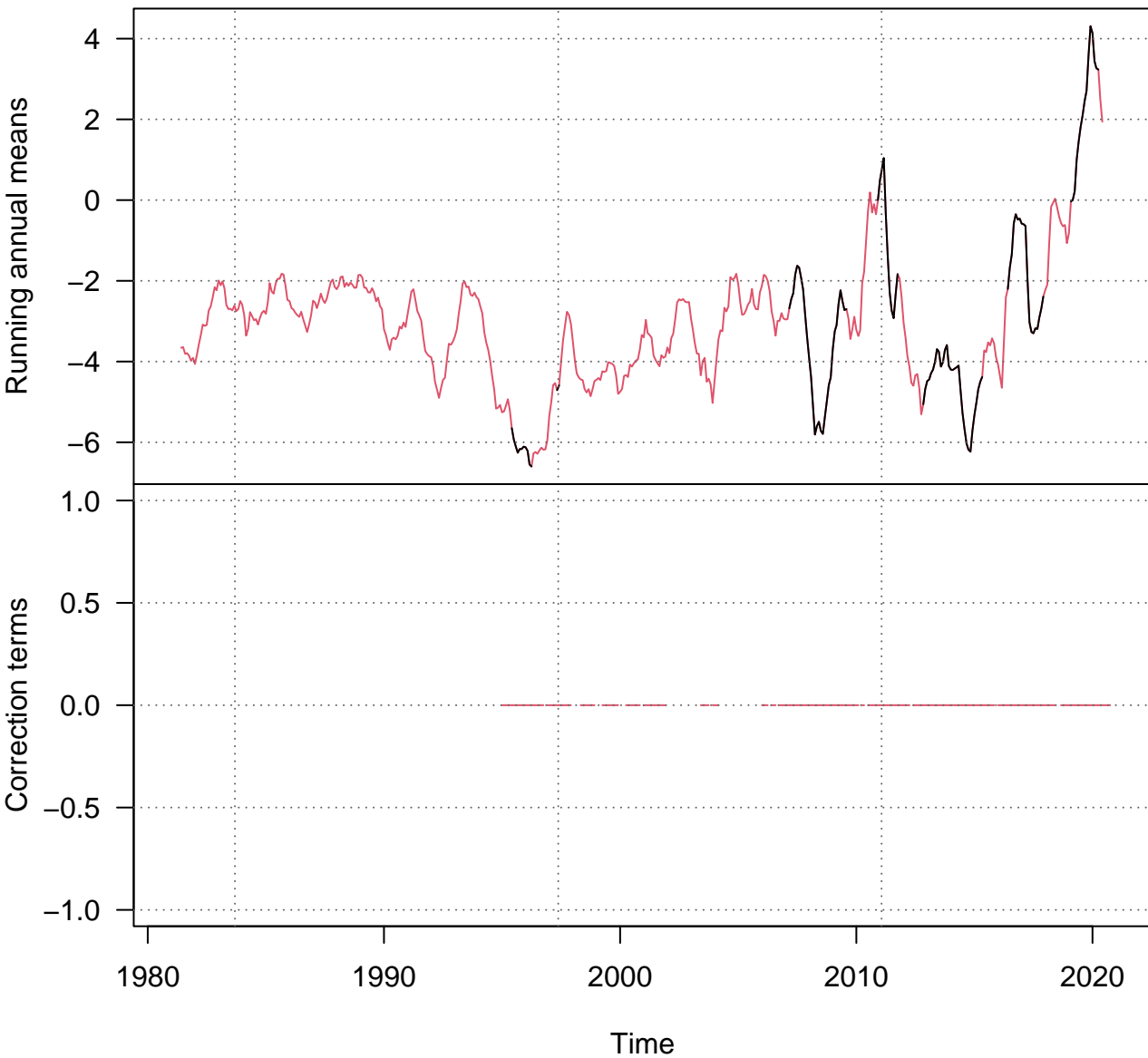


tmin-m 6 (107)

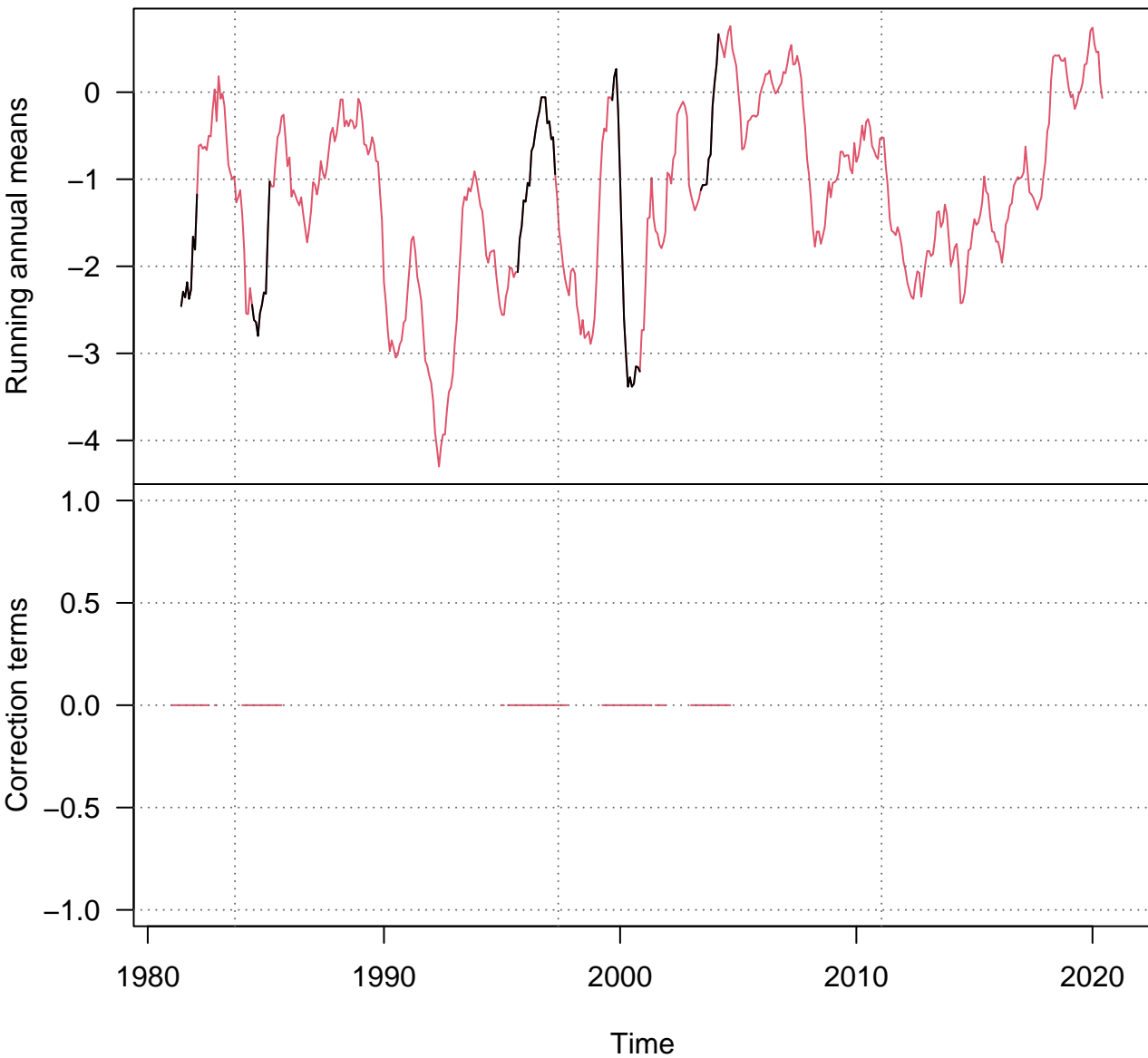
corque



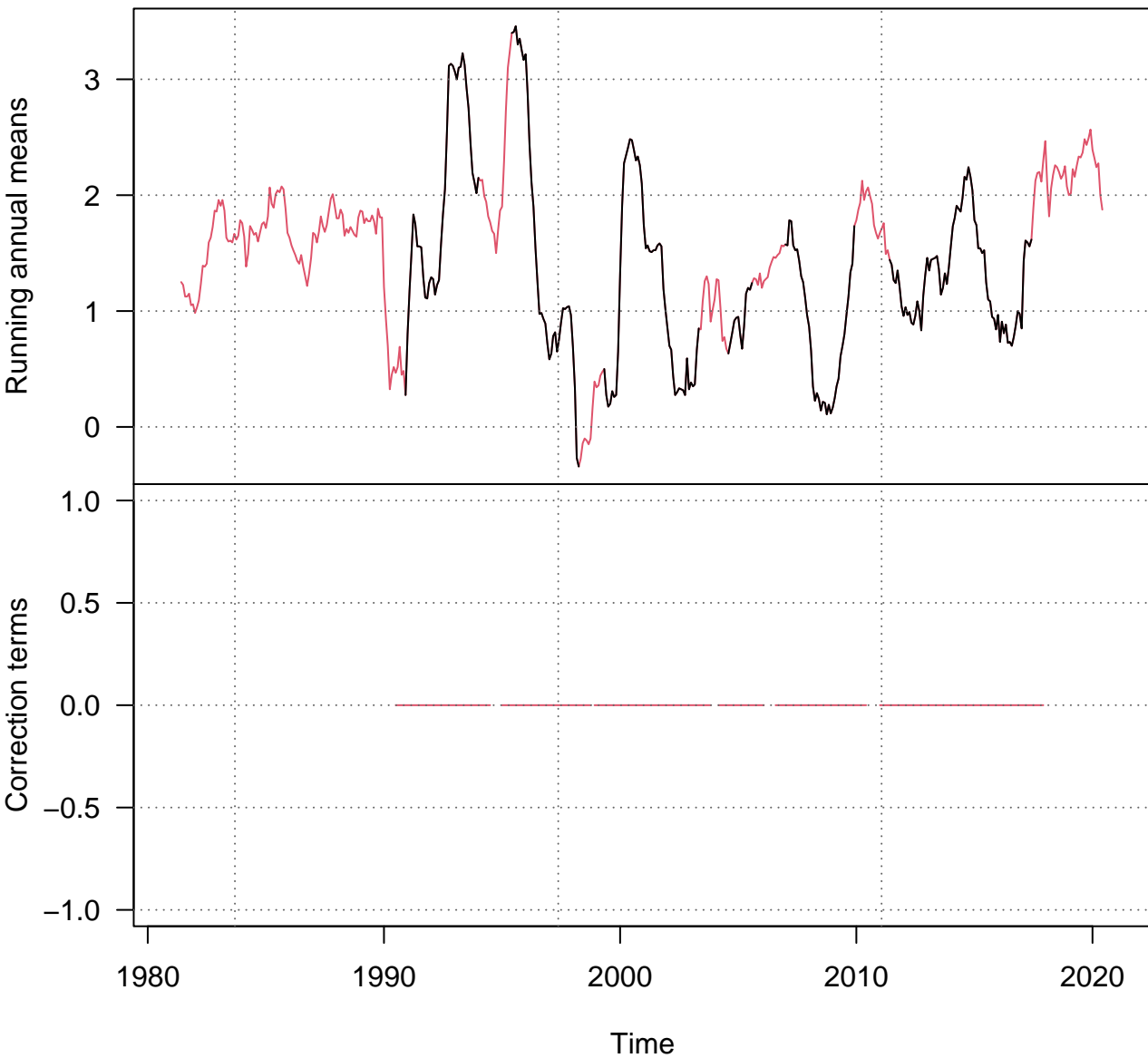
tmin-m 7 (108)
cosapa



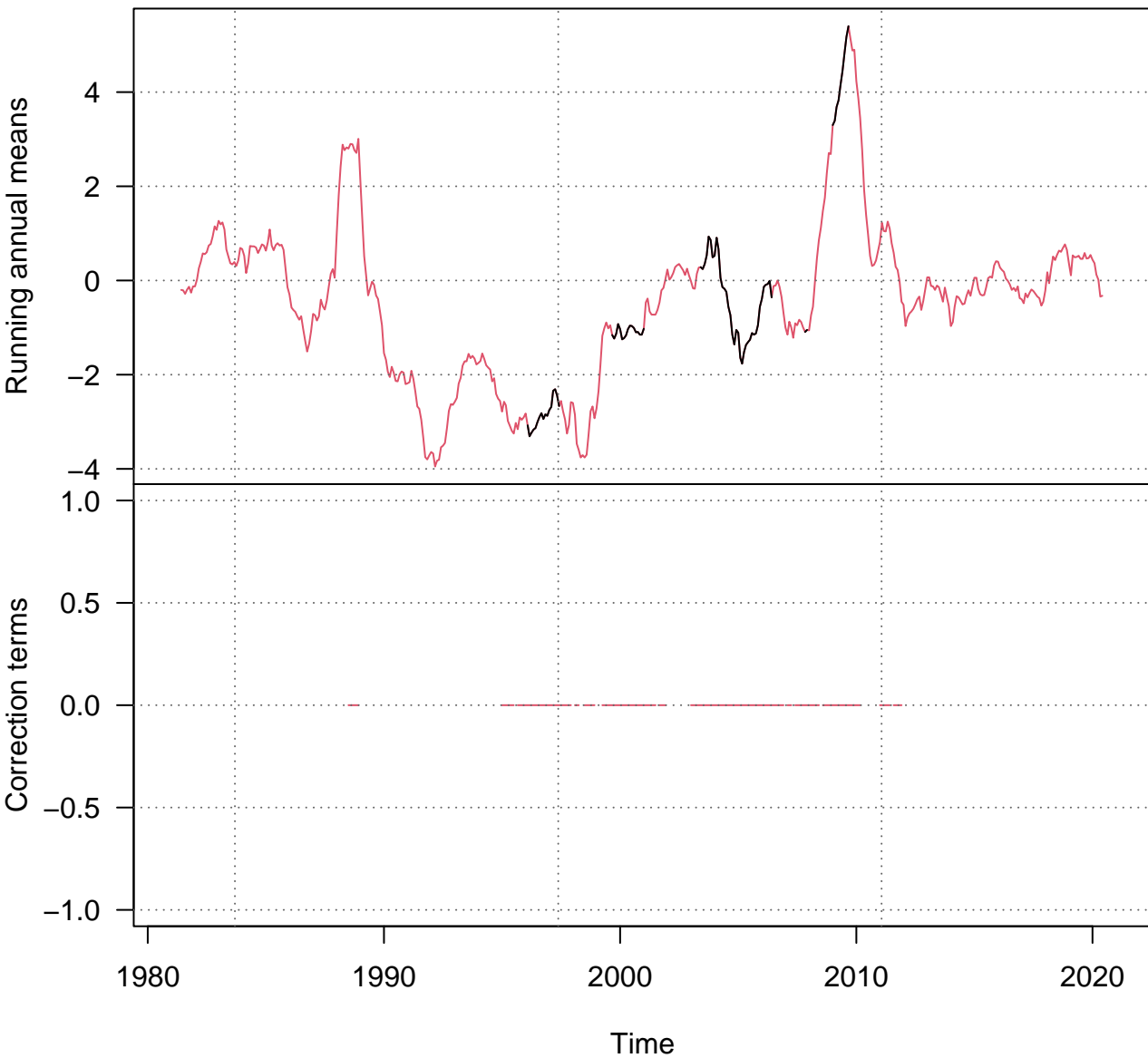
tmin-m 8 (111)
huachacalla



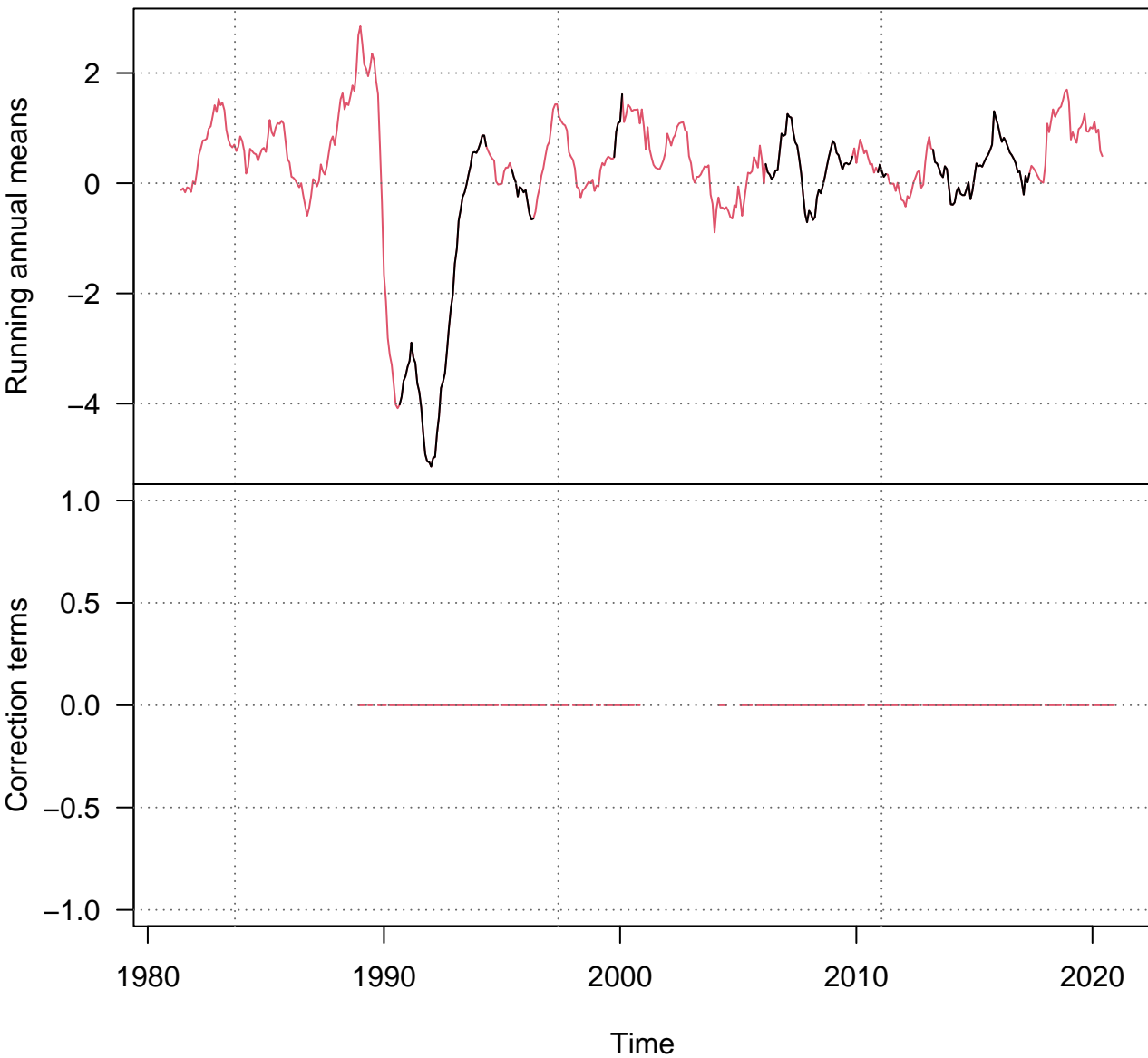
tmin-m 9 (112)
huayllamarca



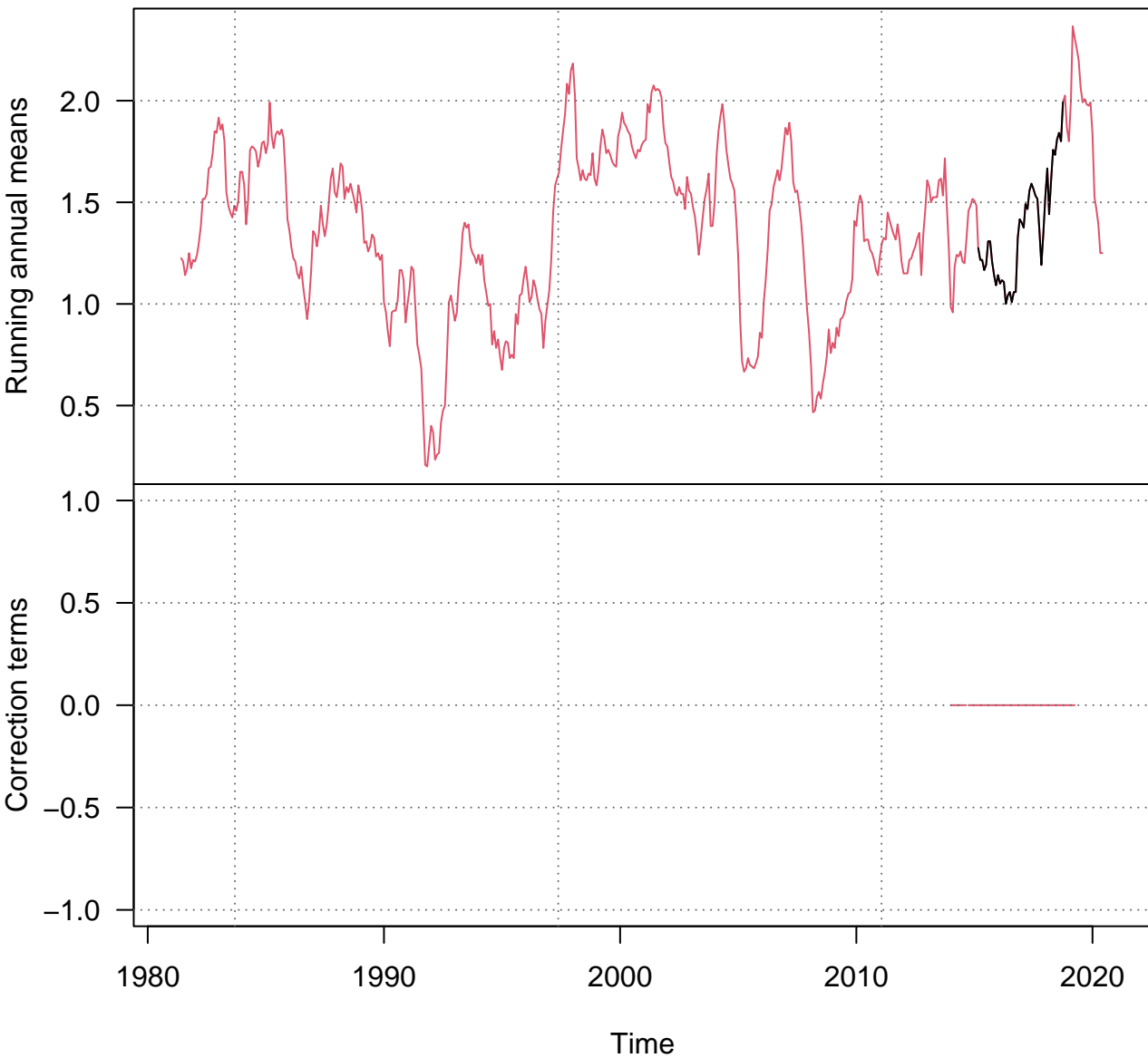
tmin-m 10 (113)
quillacas



tmin-m 11 (114)
san_martin

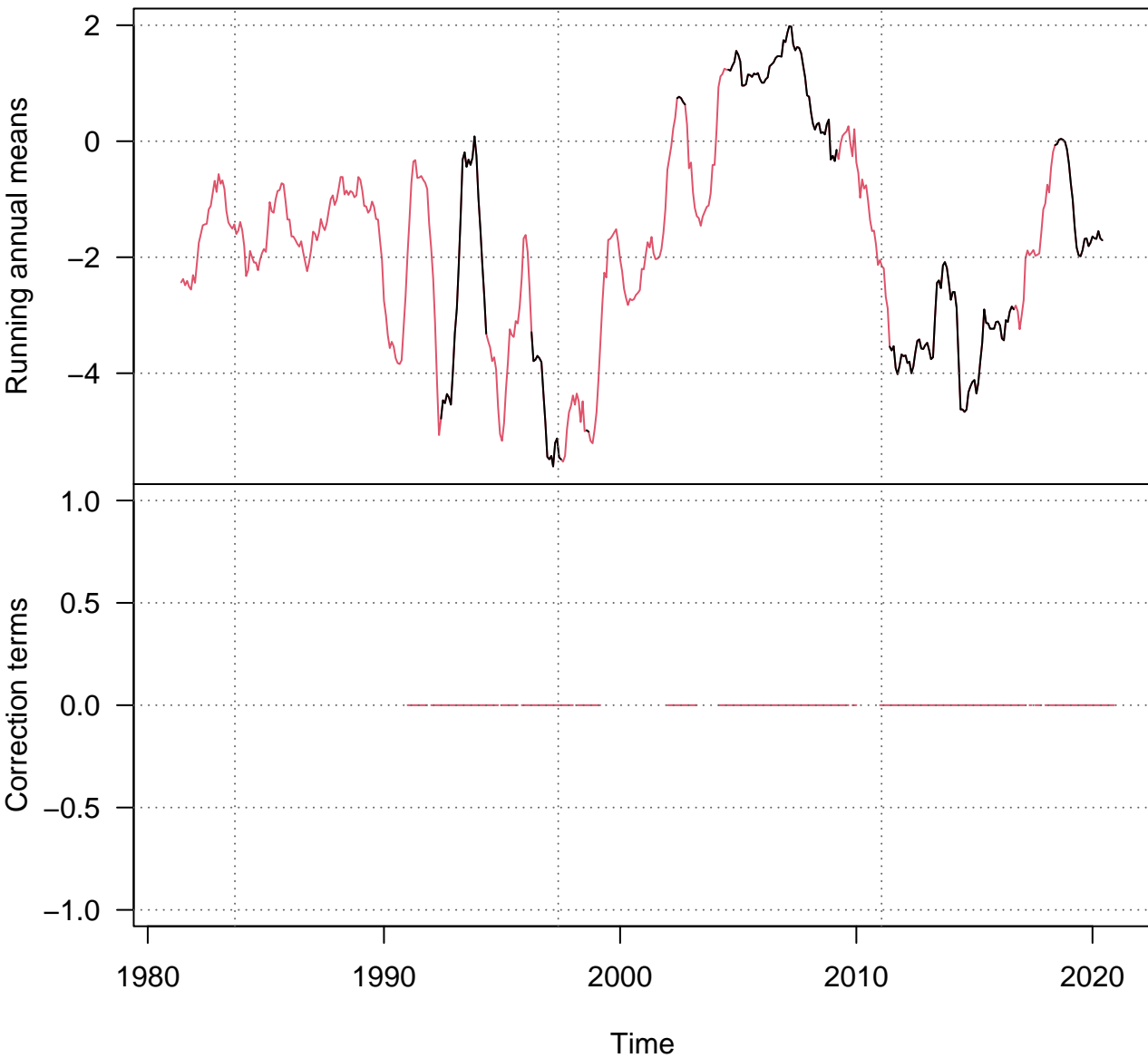


tmin-m 12 (115)
soracachi

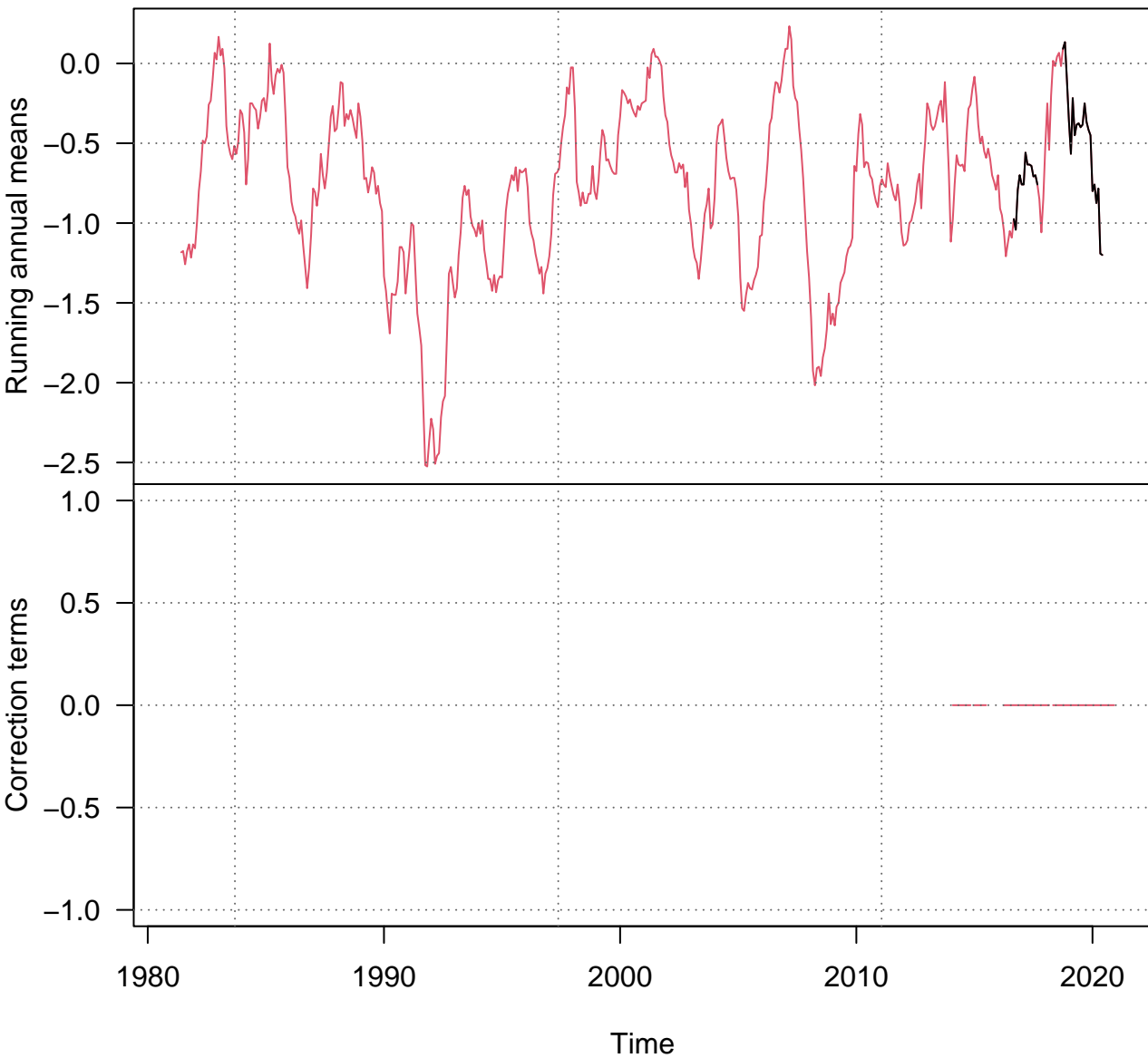


tmin-m 13 (116)

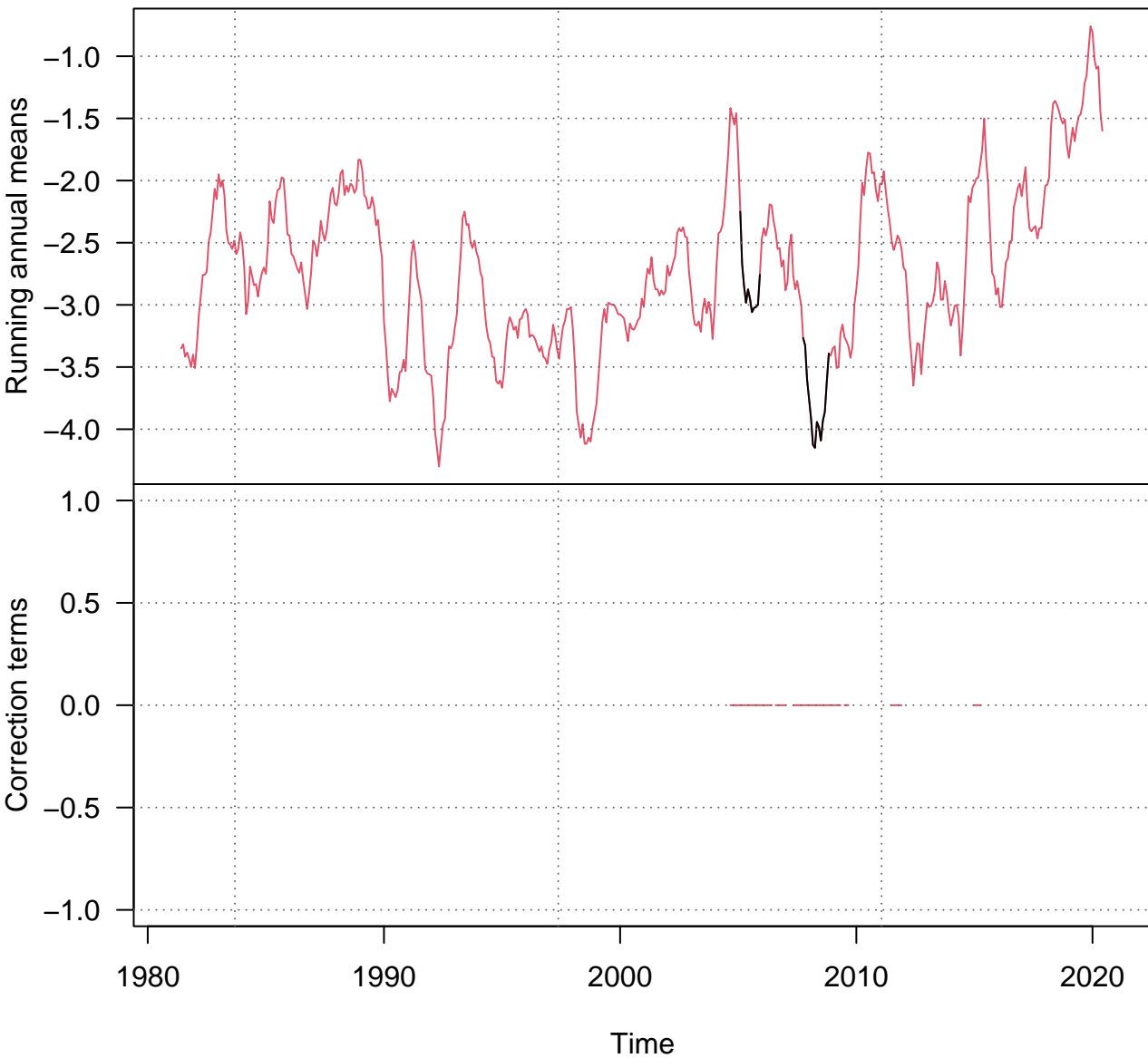
todo_santos



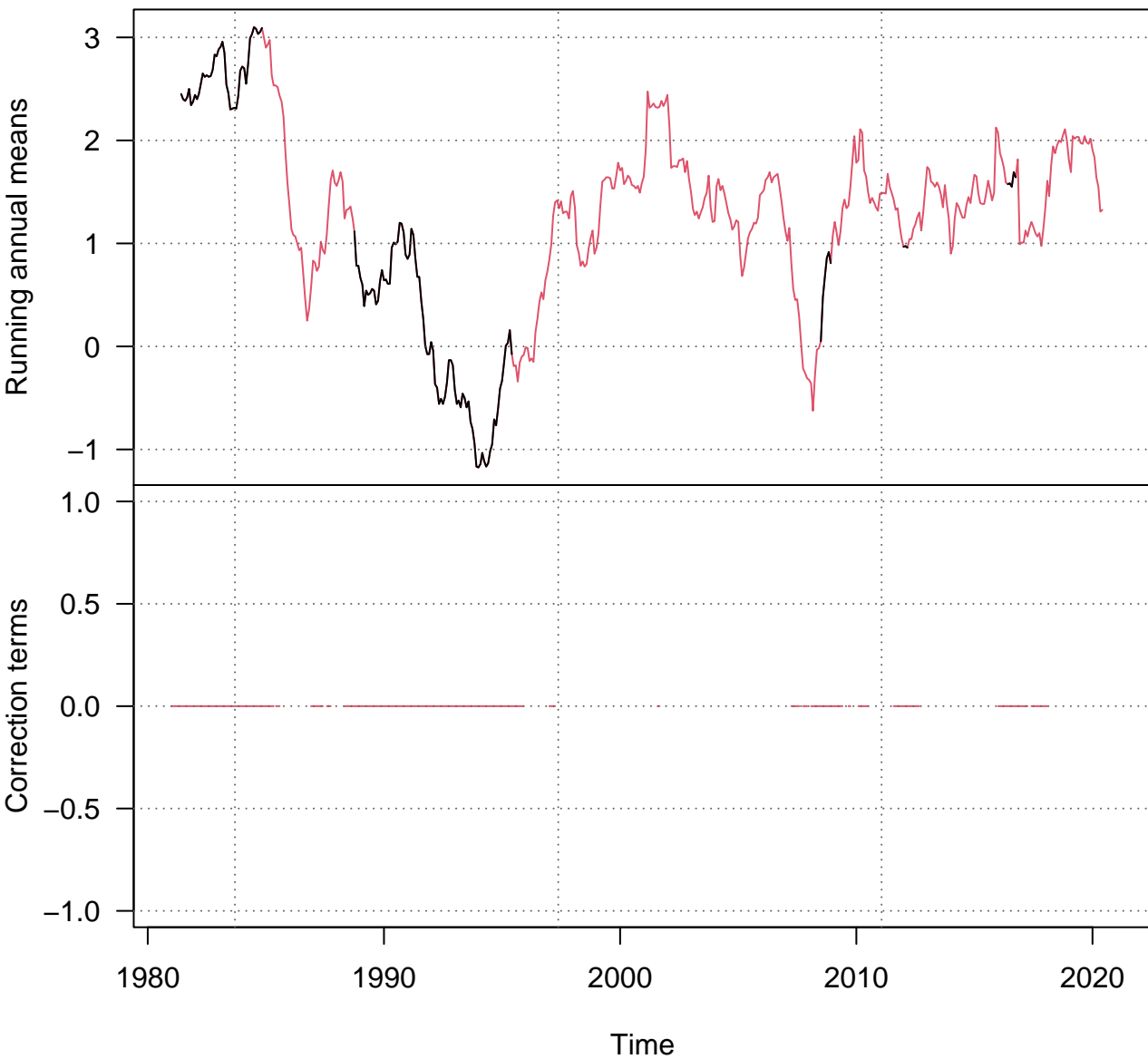
tmin-m 14 (117)
toledo



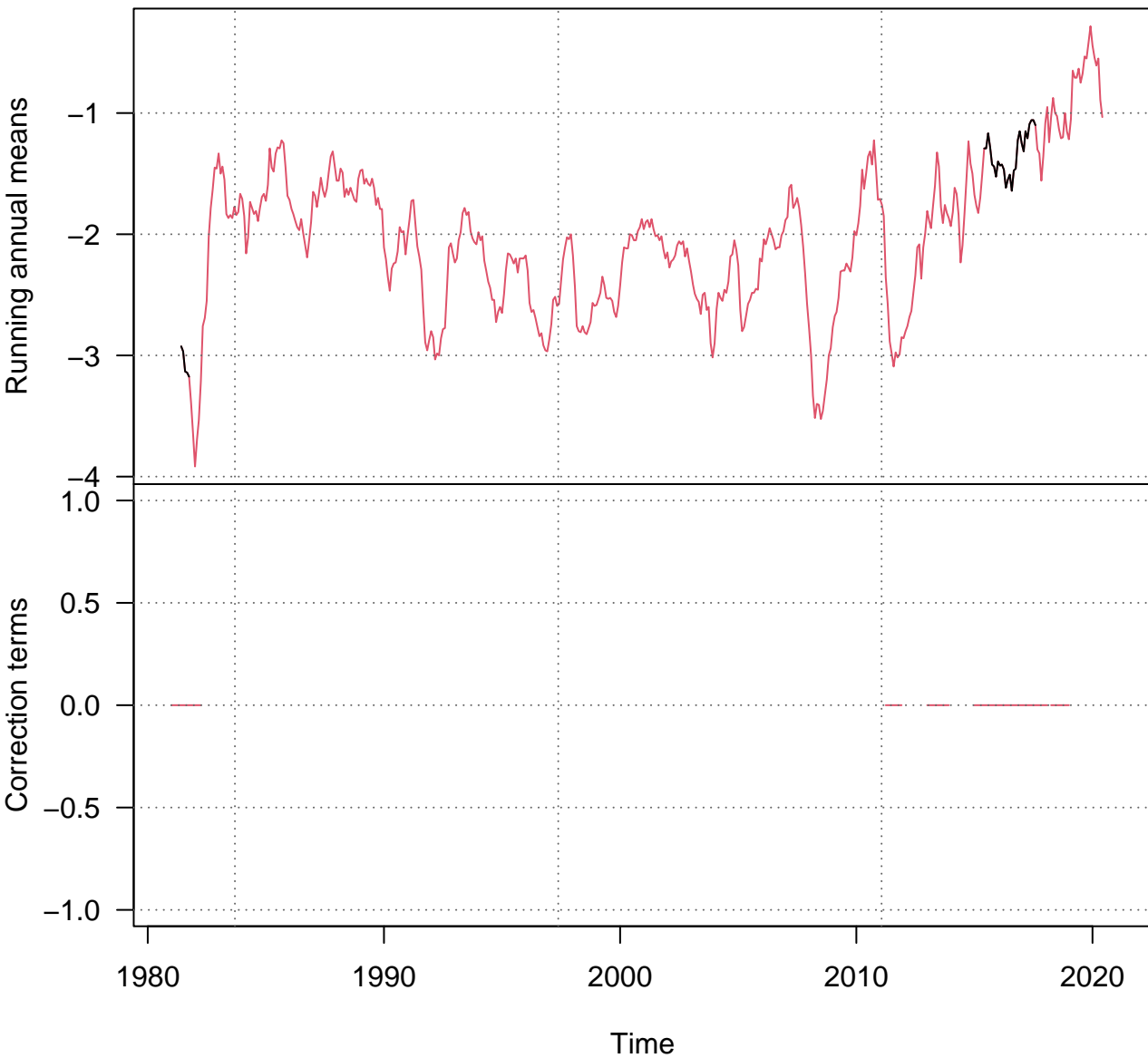
tmin-m 15 (118)
turco



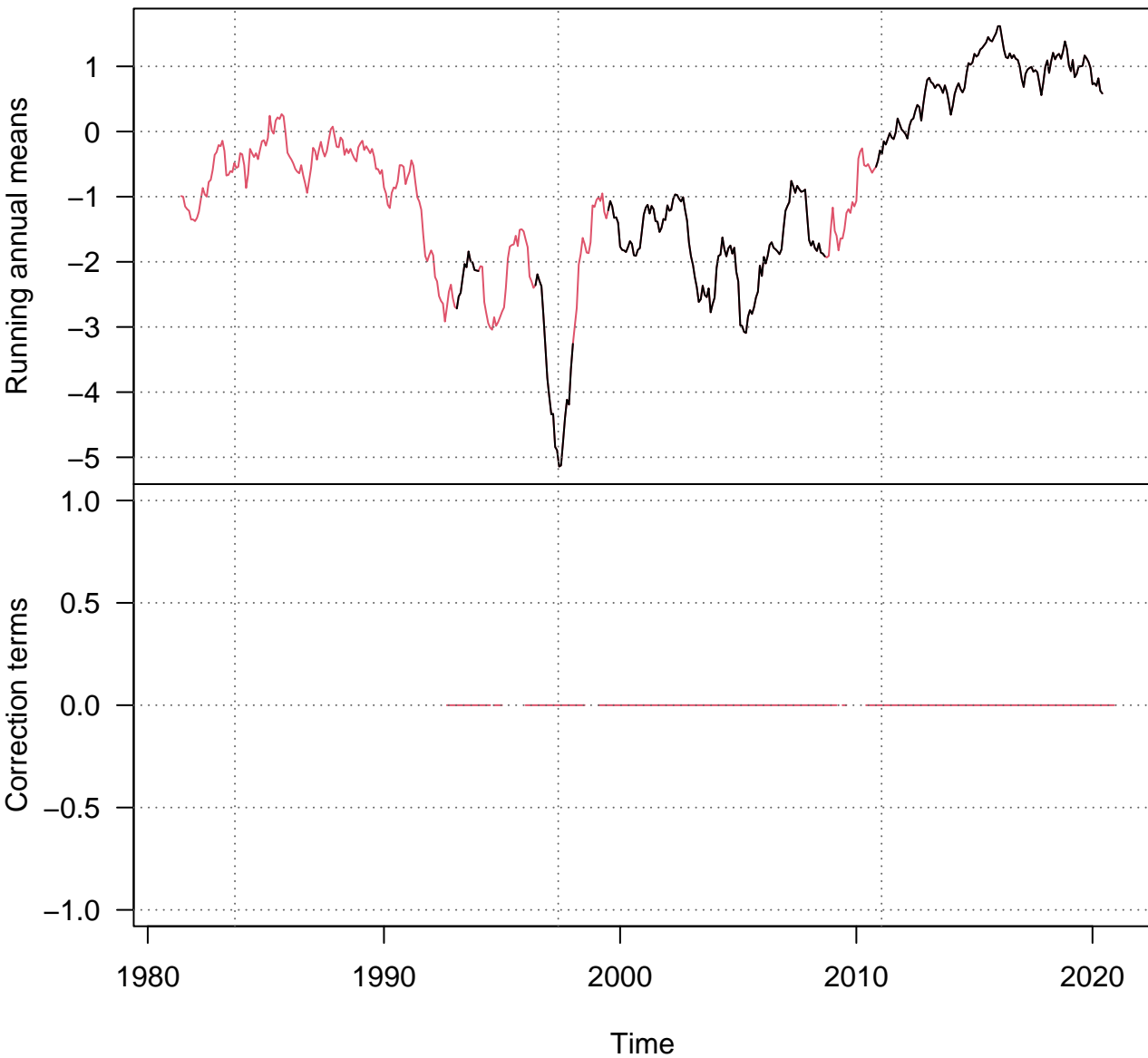
tmin-m 16 (120)
challapata



tmin-m 17 (121)
curahuara

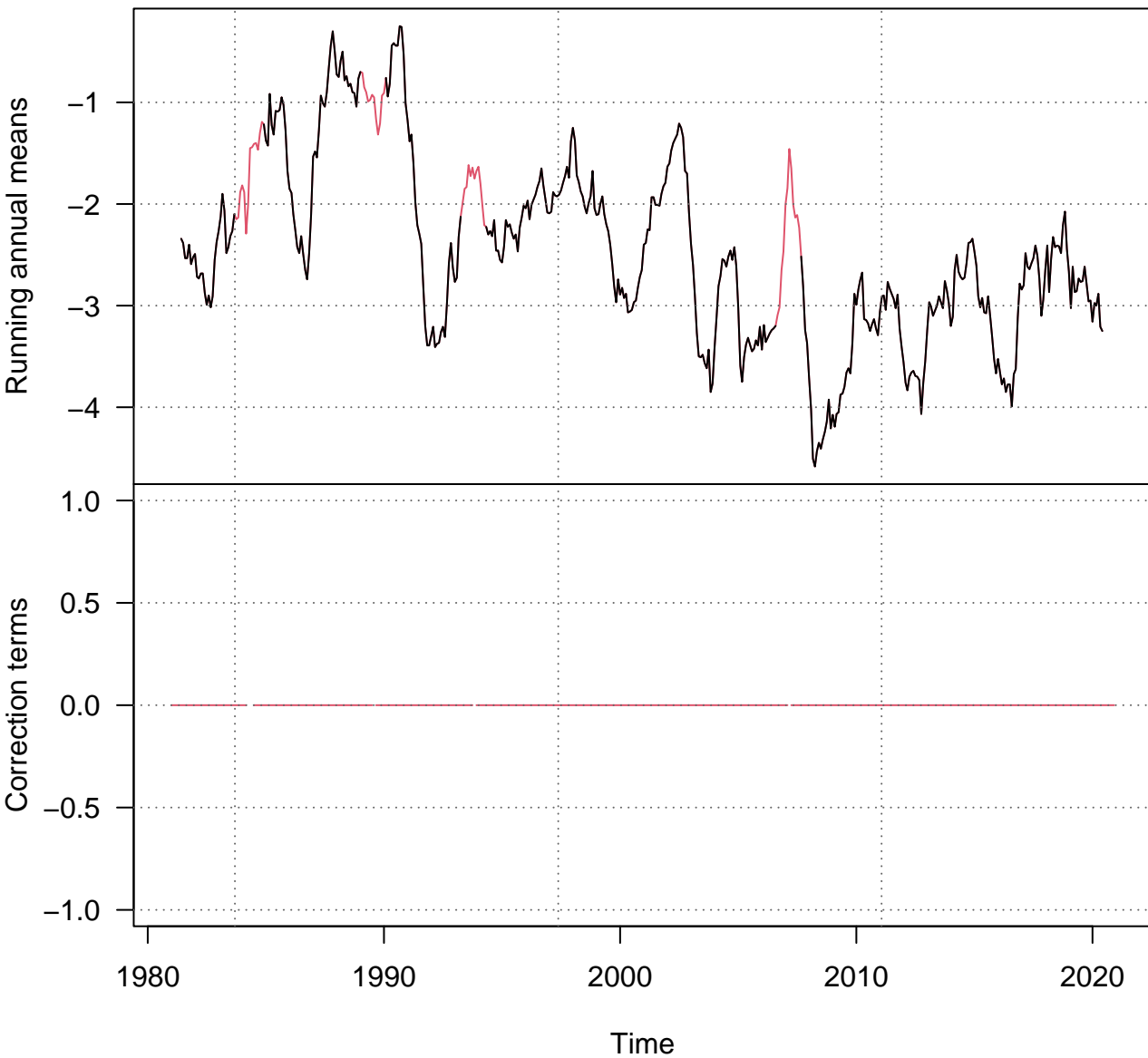


tmin-m 18 (200)
achiri

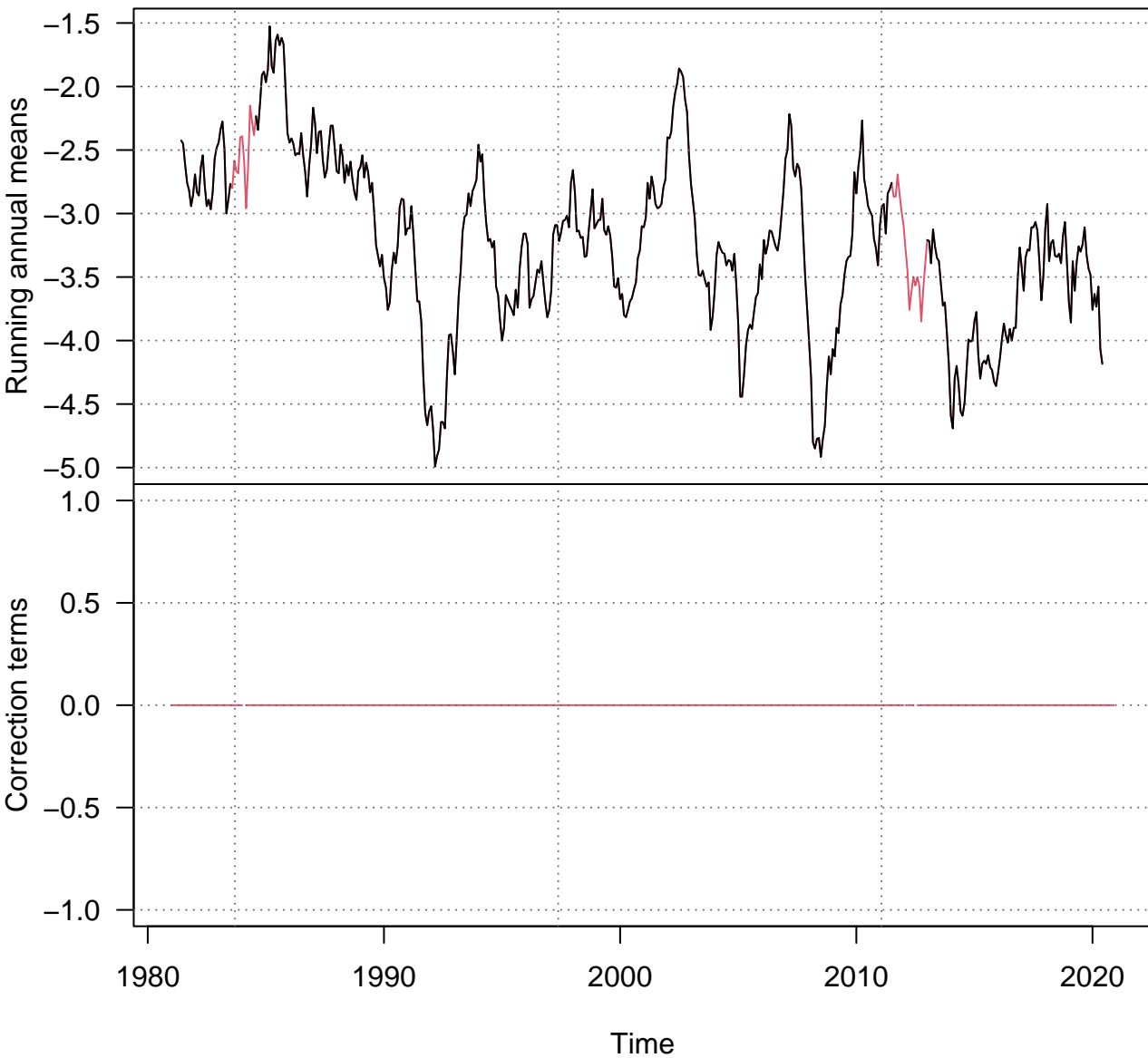


tmin-m 19 (201)

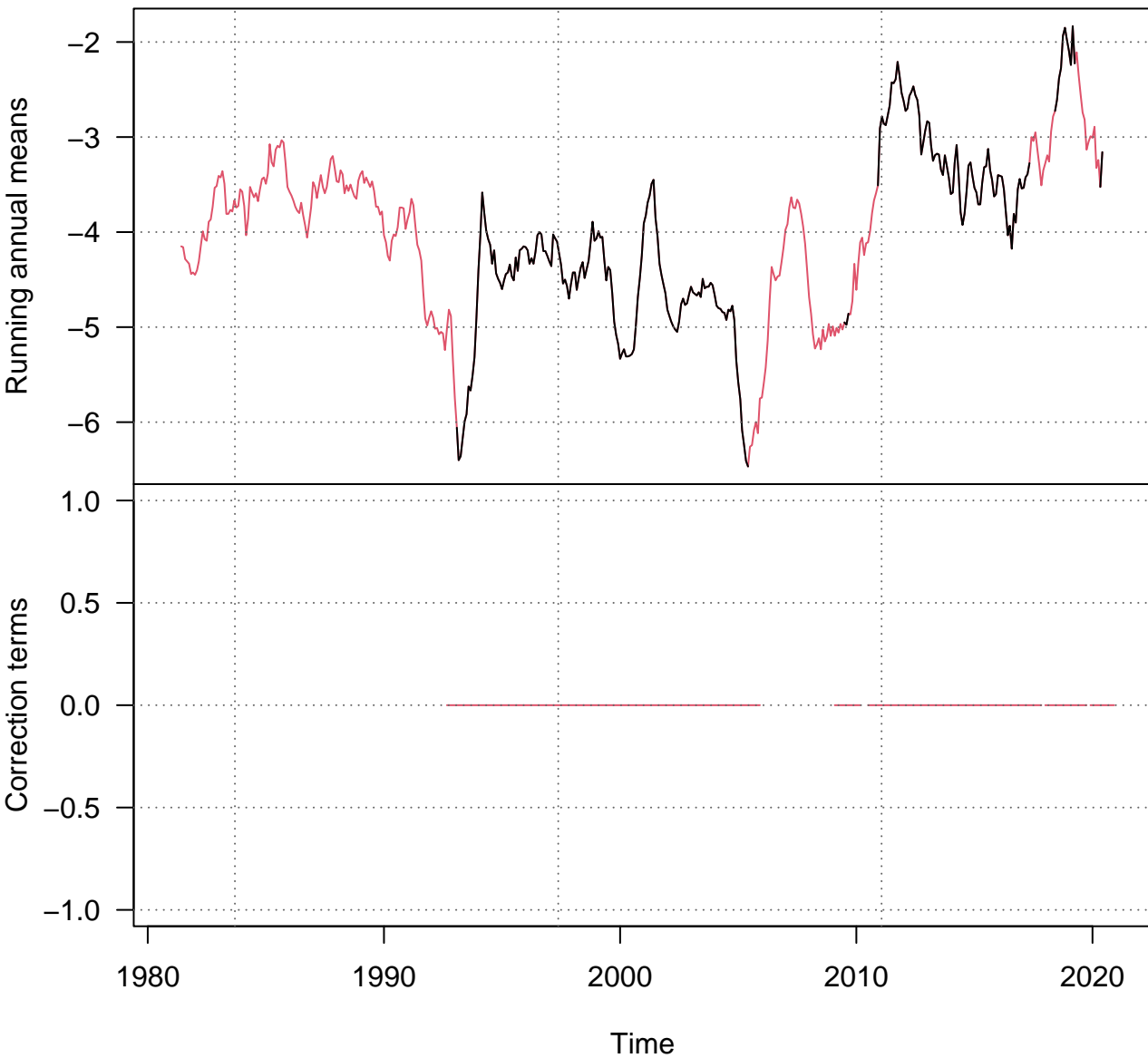
ayoayo



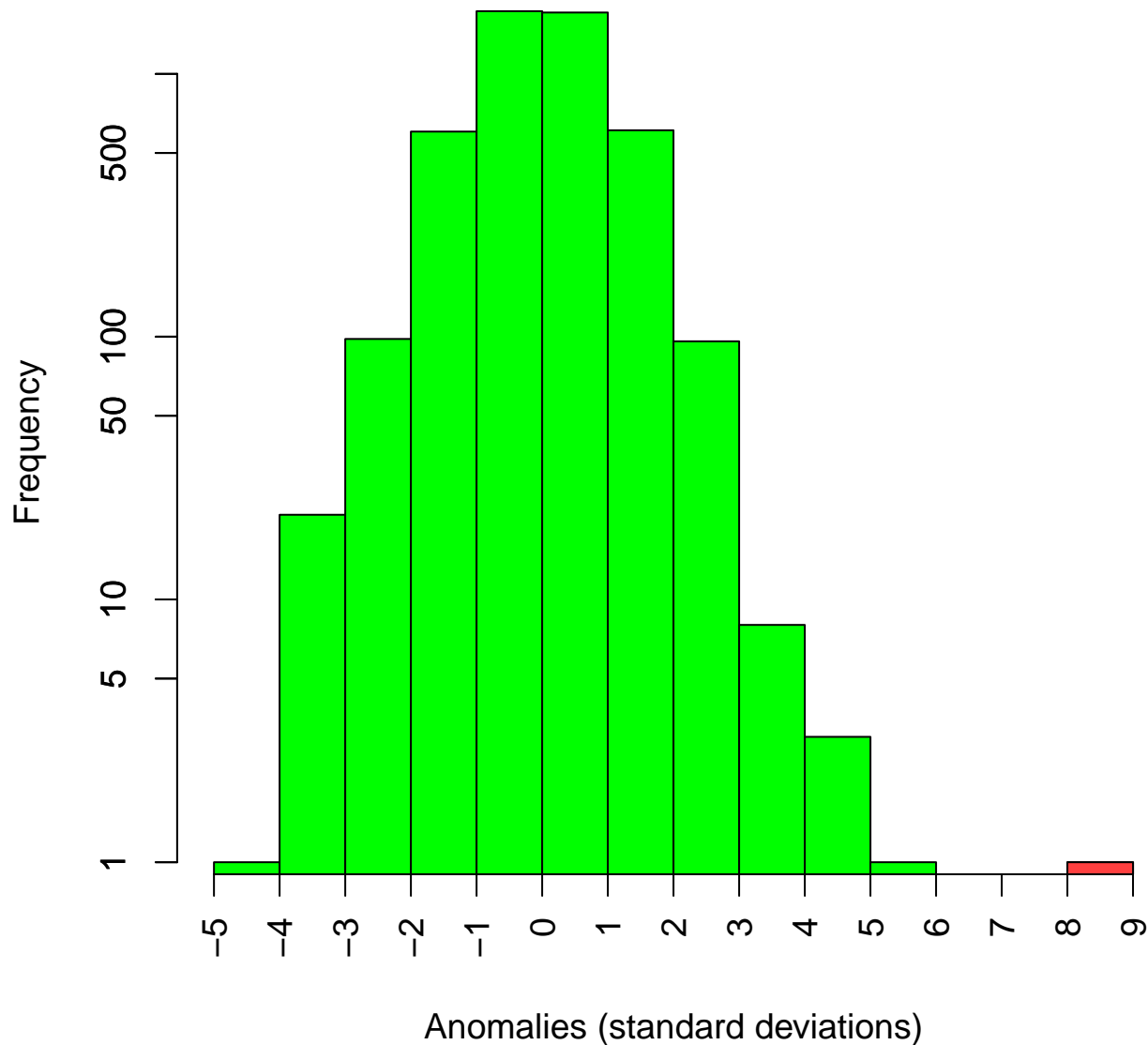
tmin-m 20 (203)
calacoto



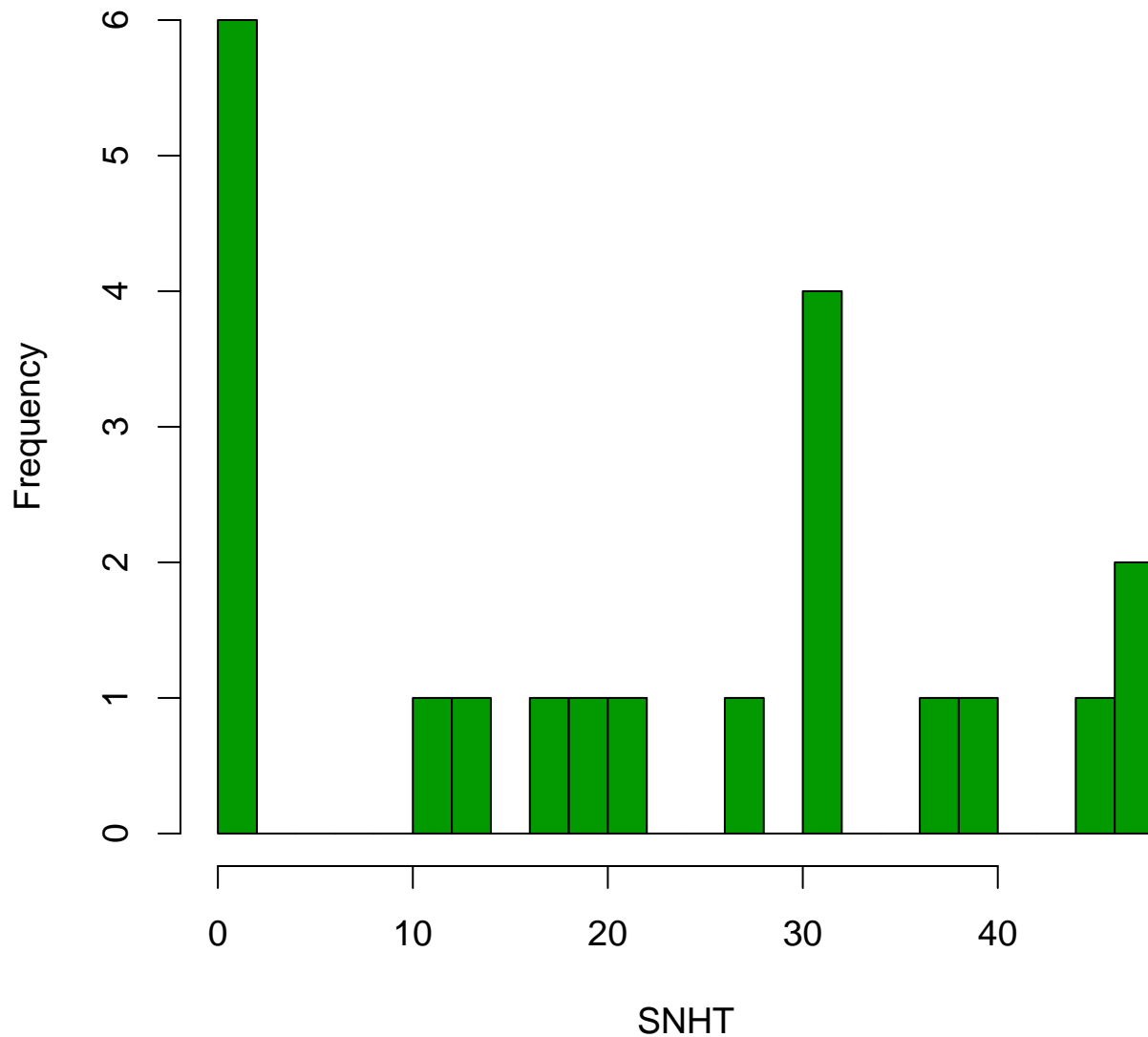
tmin-m 21 (204)
catacora



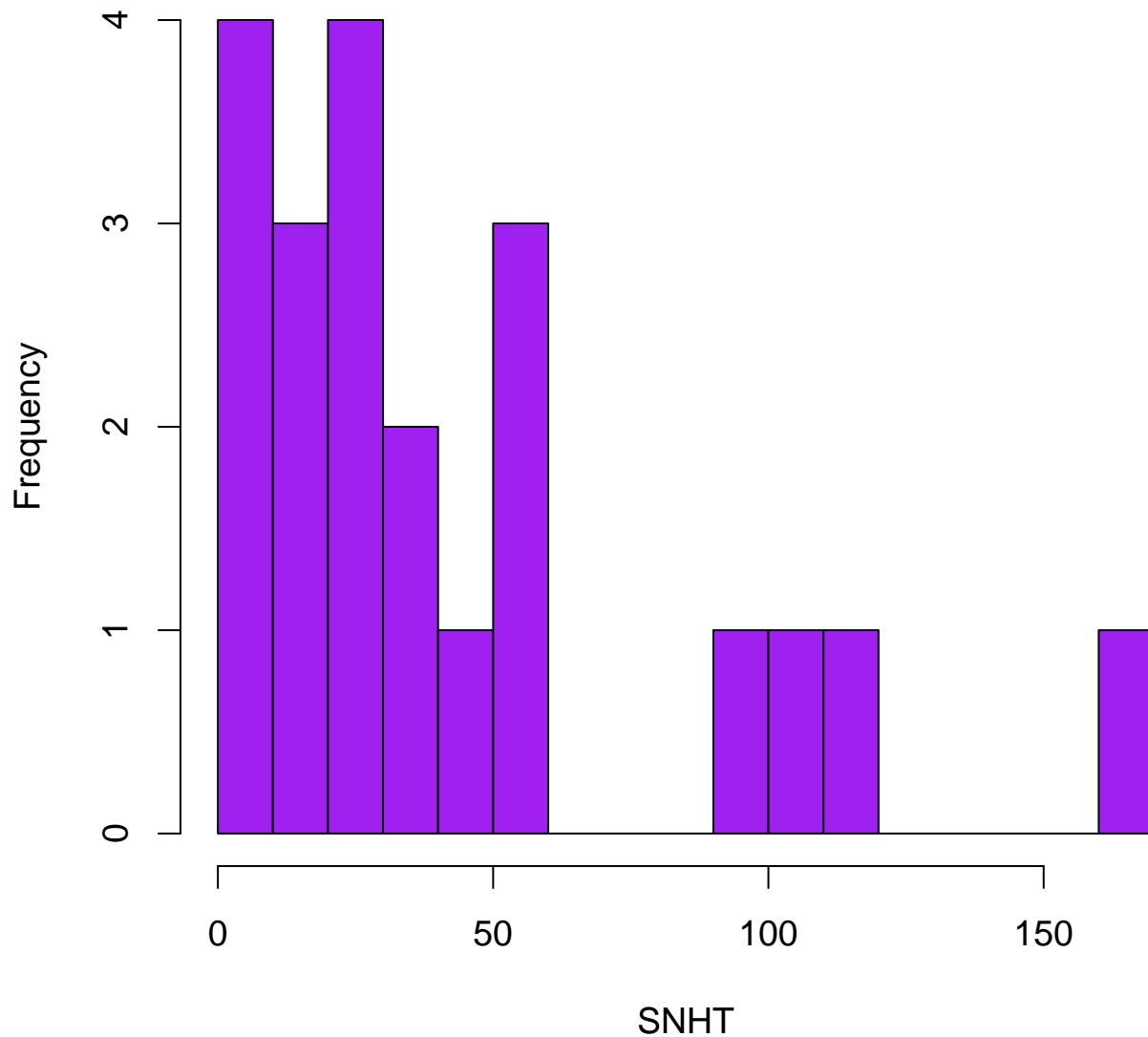
Histogram of normalized anomalies



Histogram of maximum windowed SNHT



Histogram of maximum global SNHT



Station's quality/singularity

