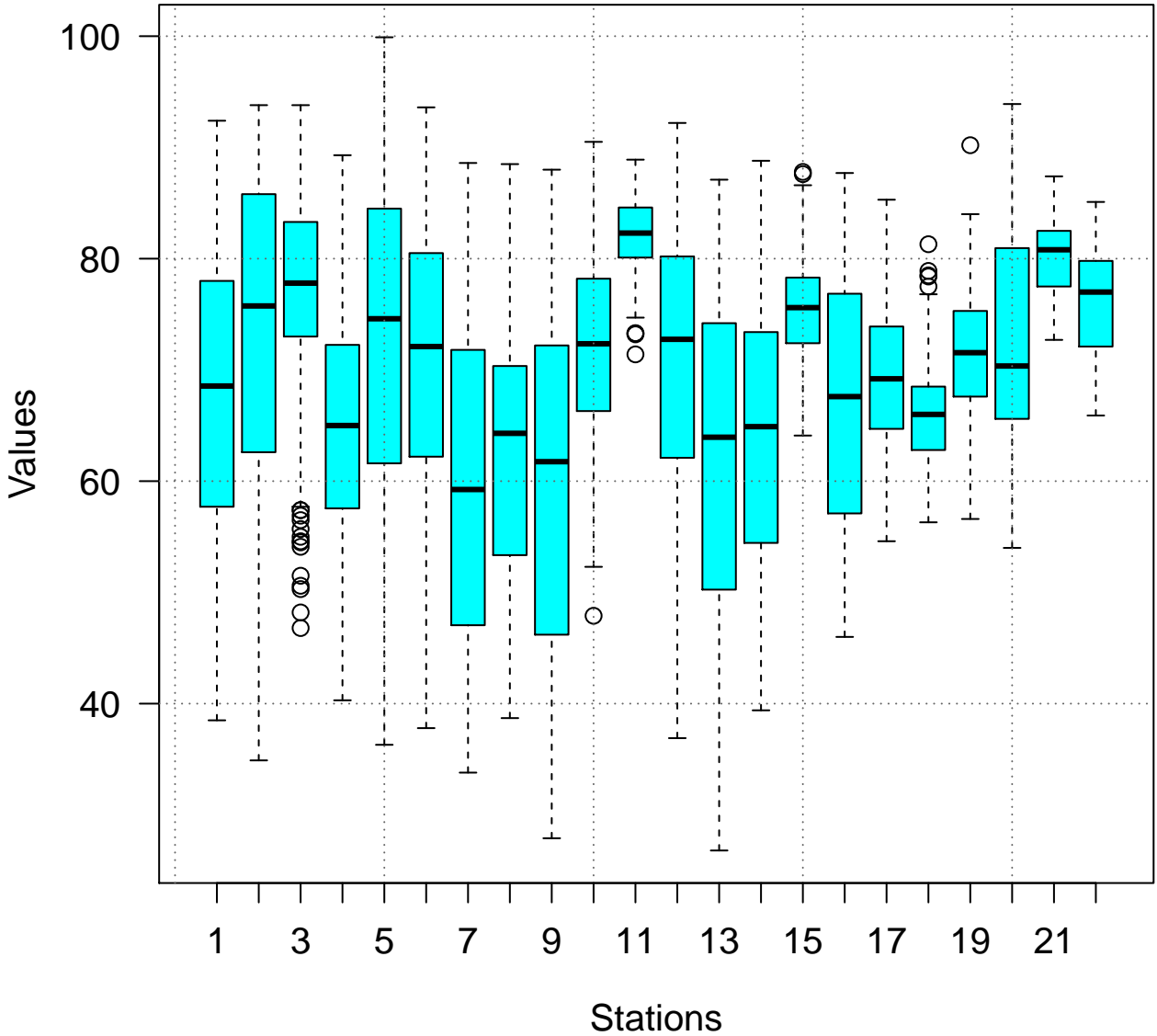


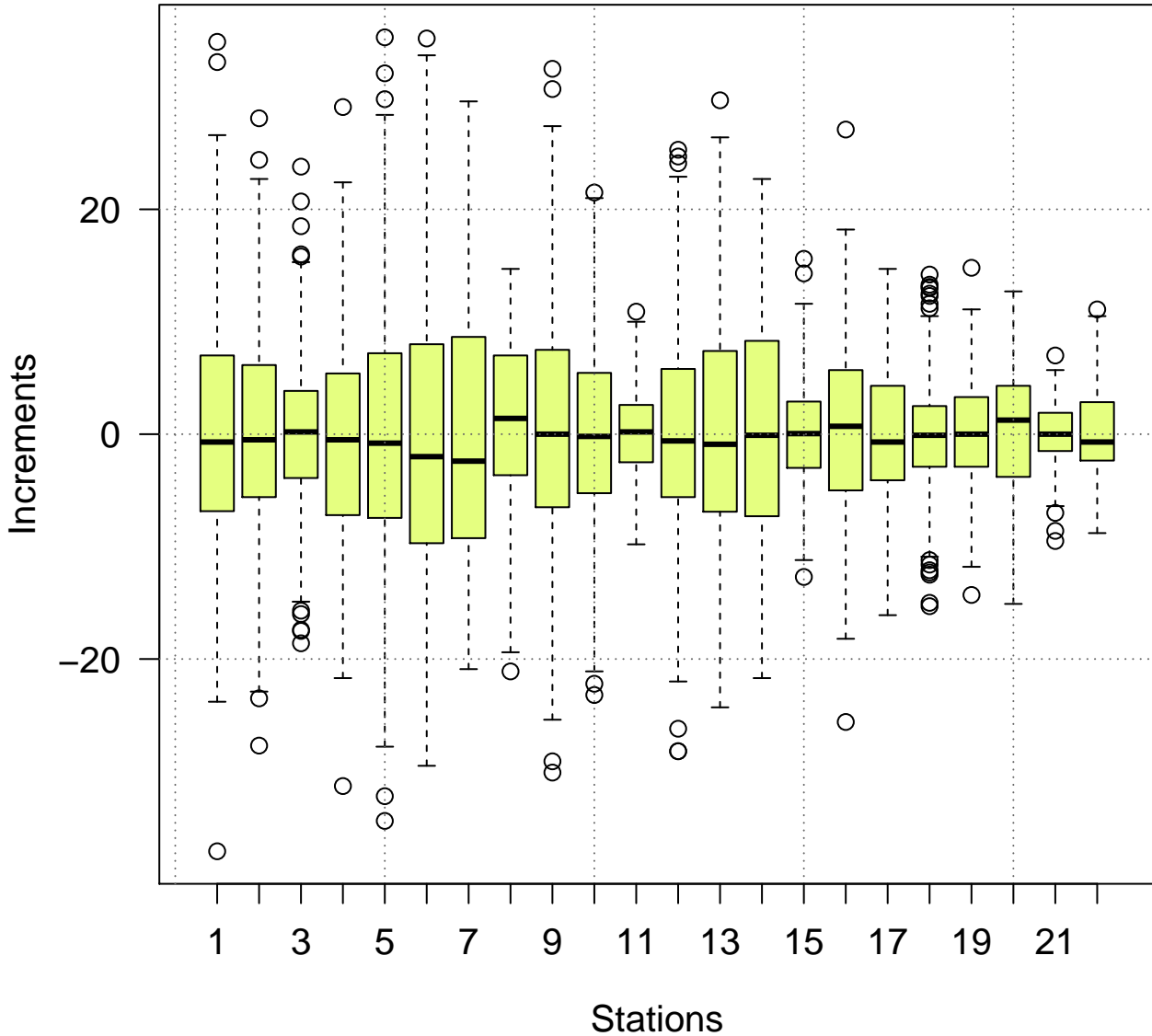
CLIMATOL 4.0.0

Homogenization
graphic output of
RH
1863–1905

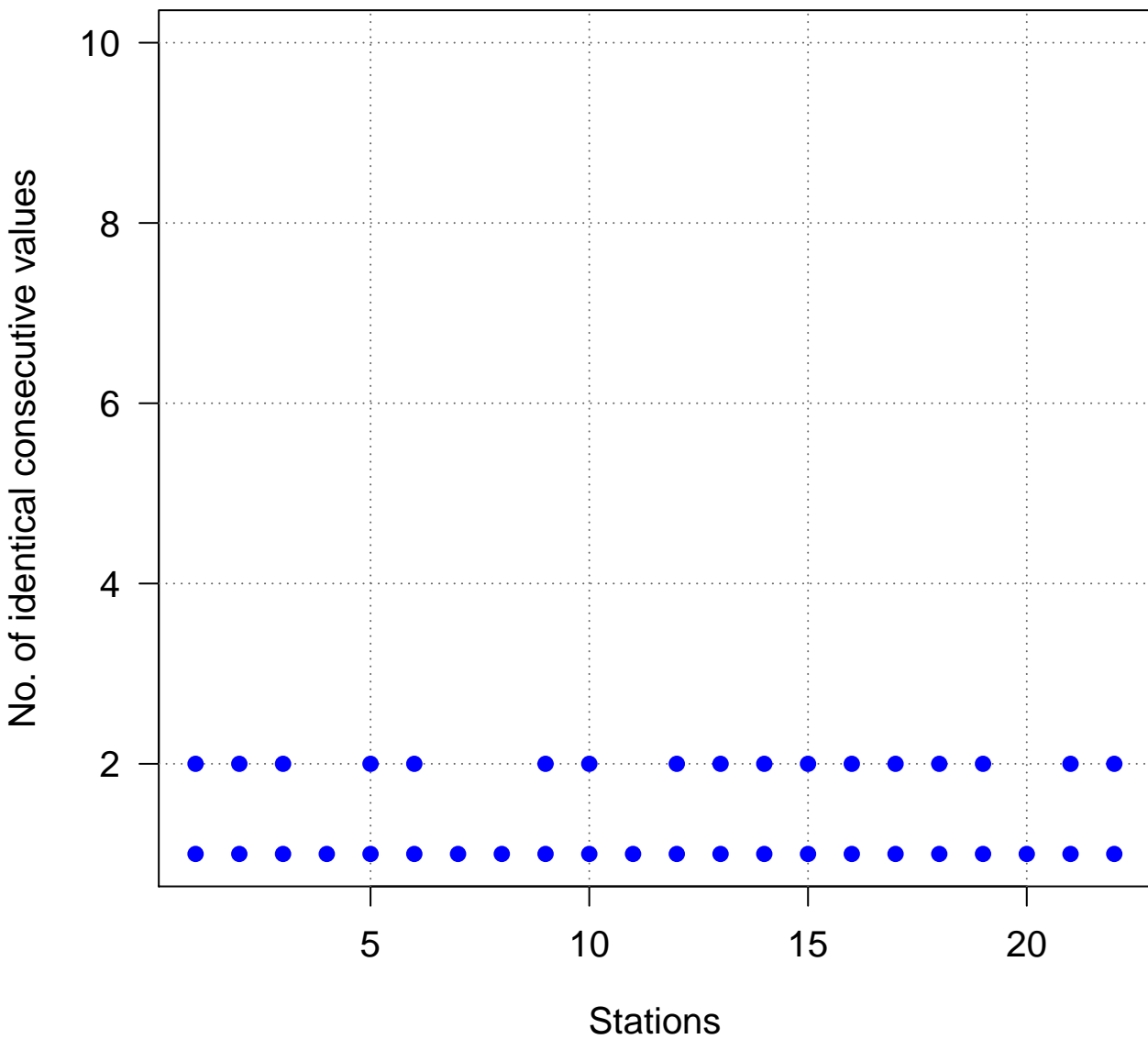
RH data



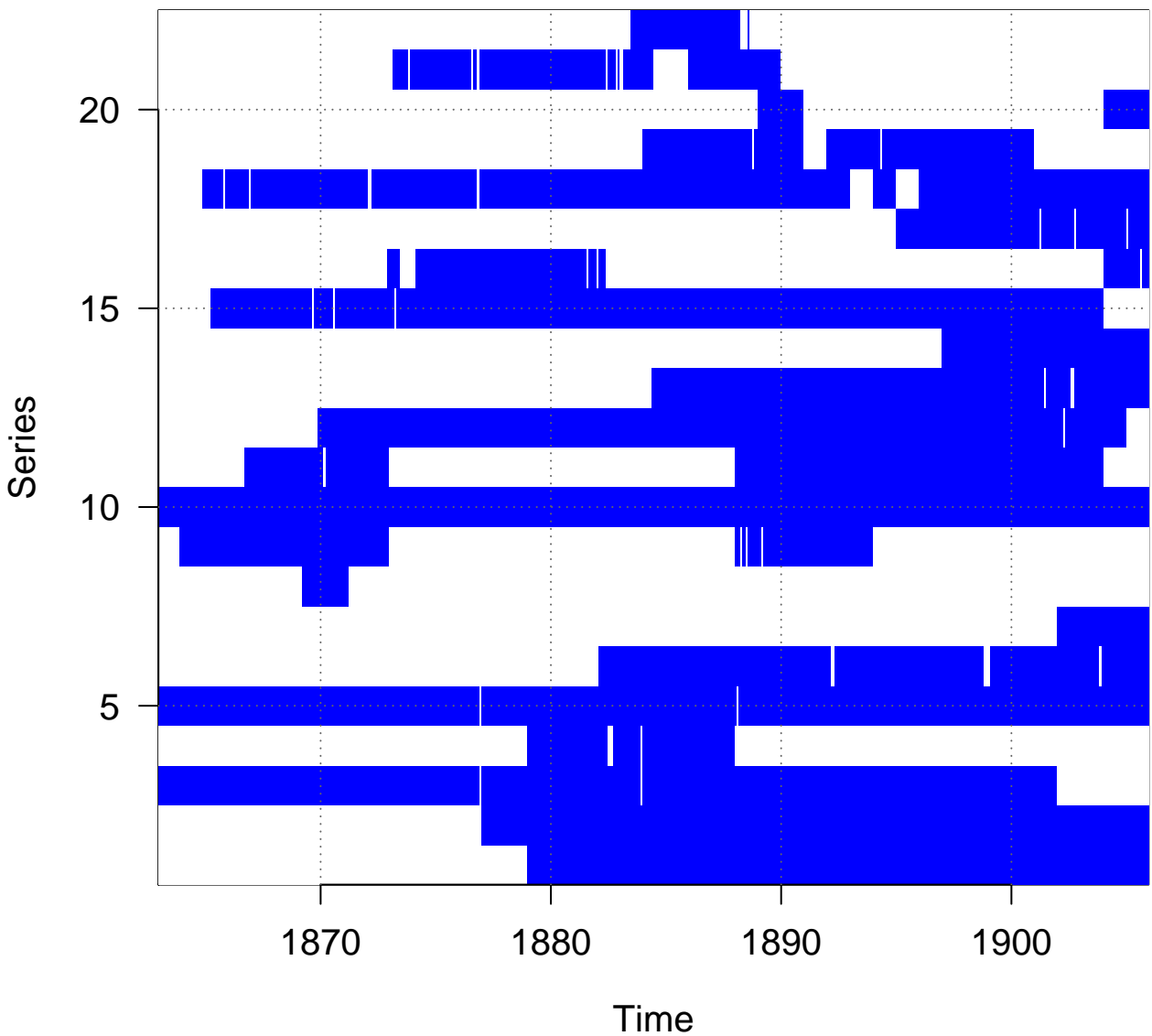
RH data increments



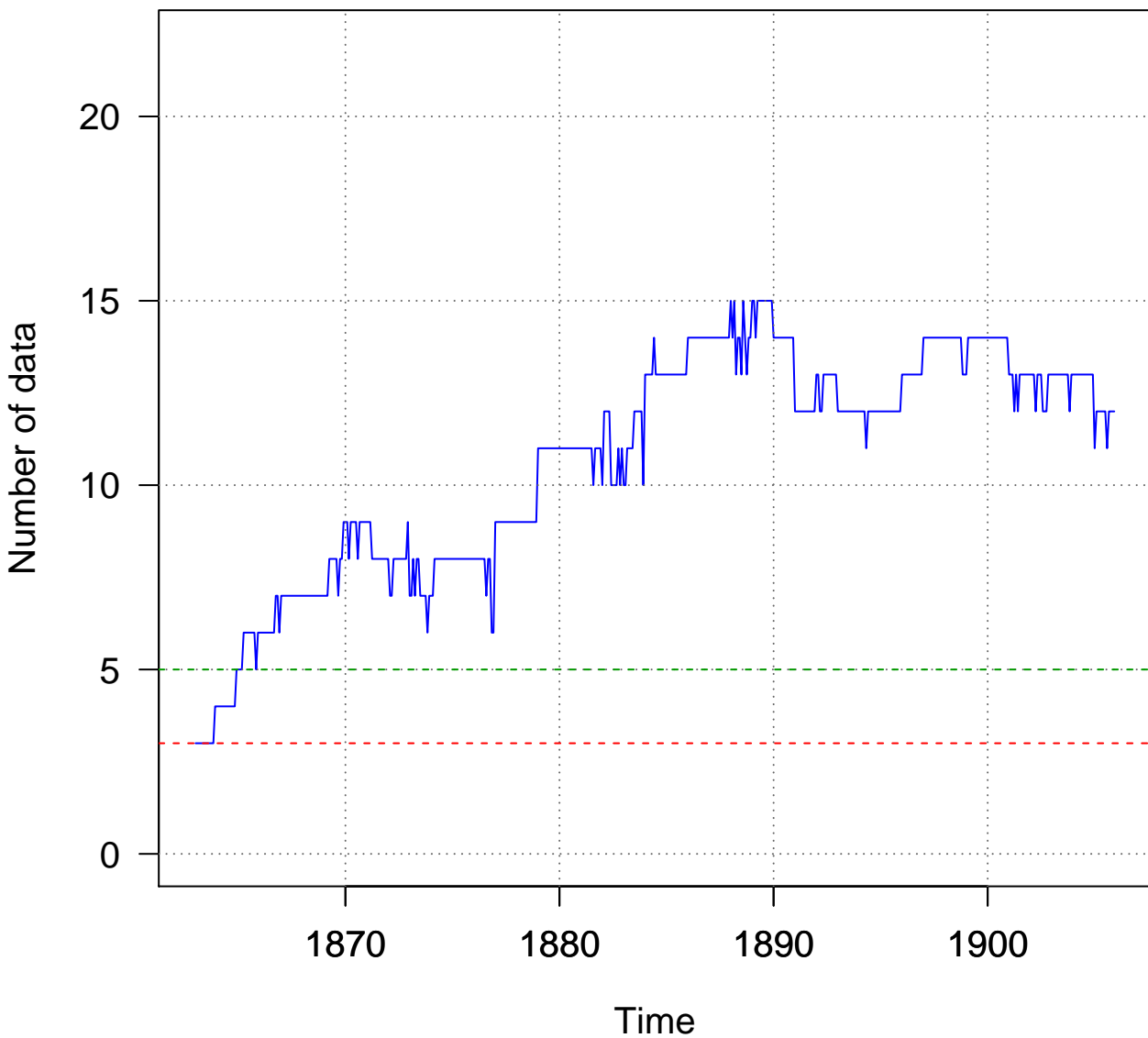
RH run lengths



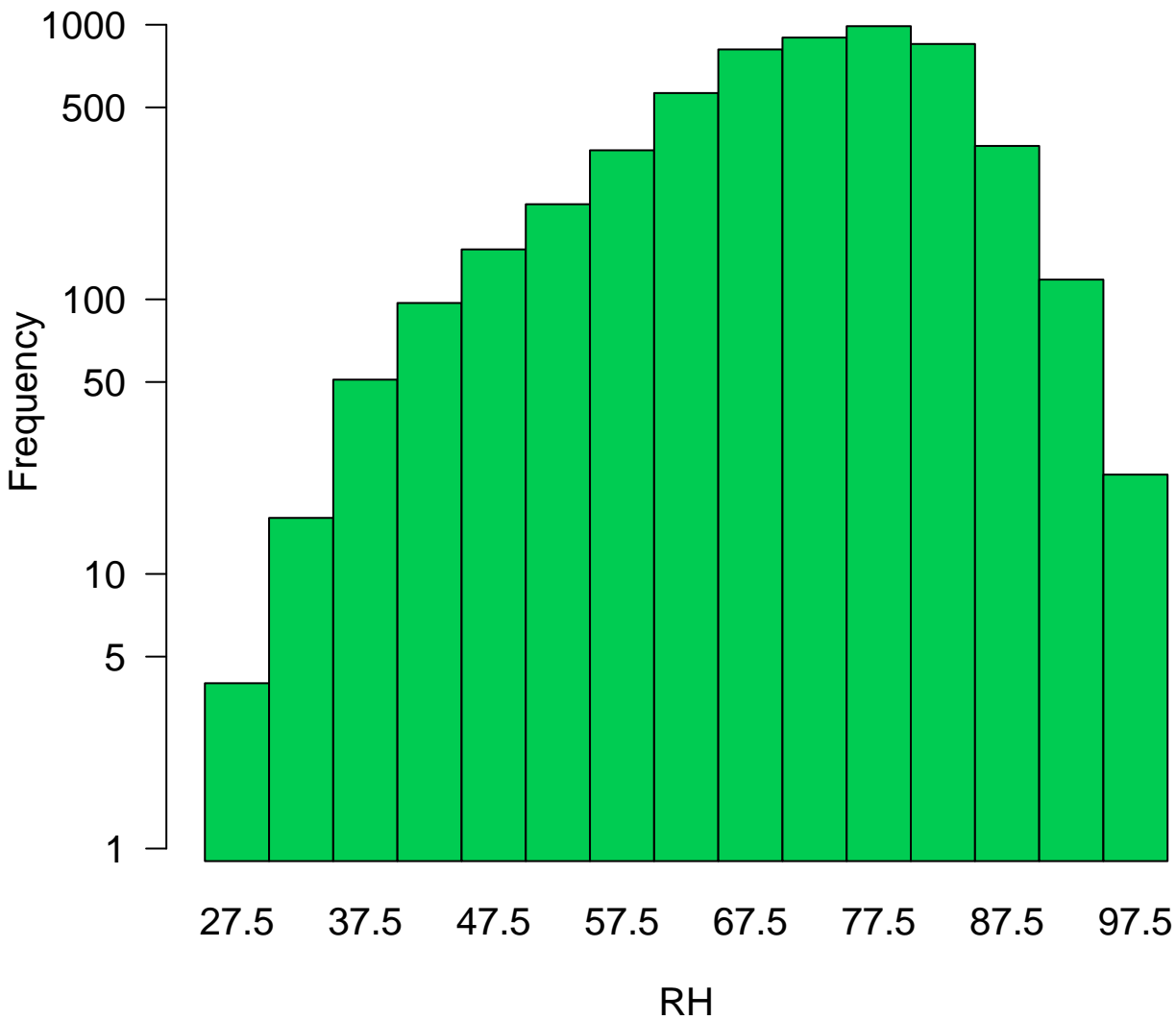
RH data availability



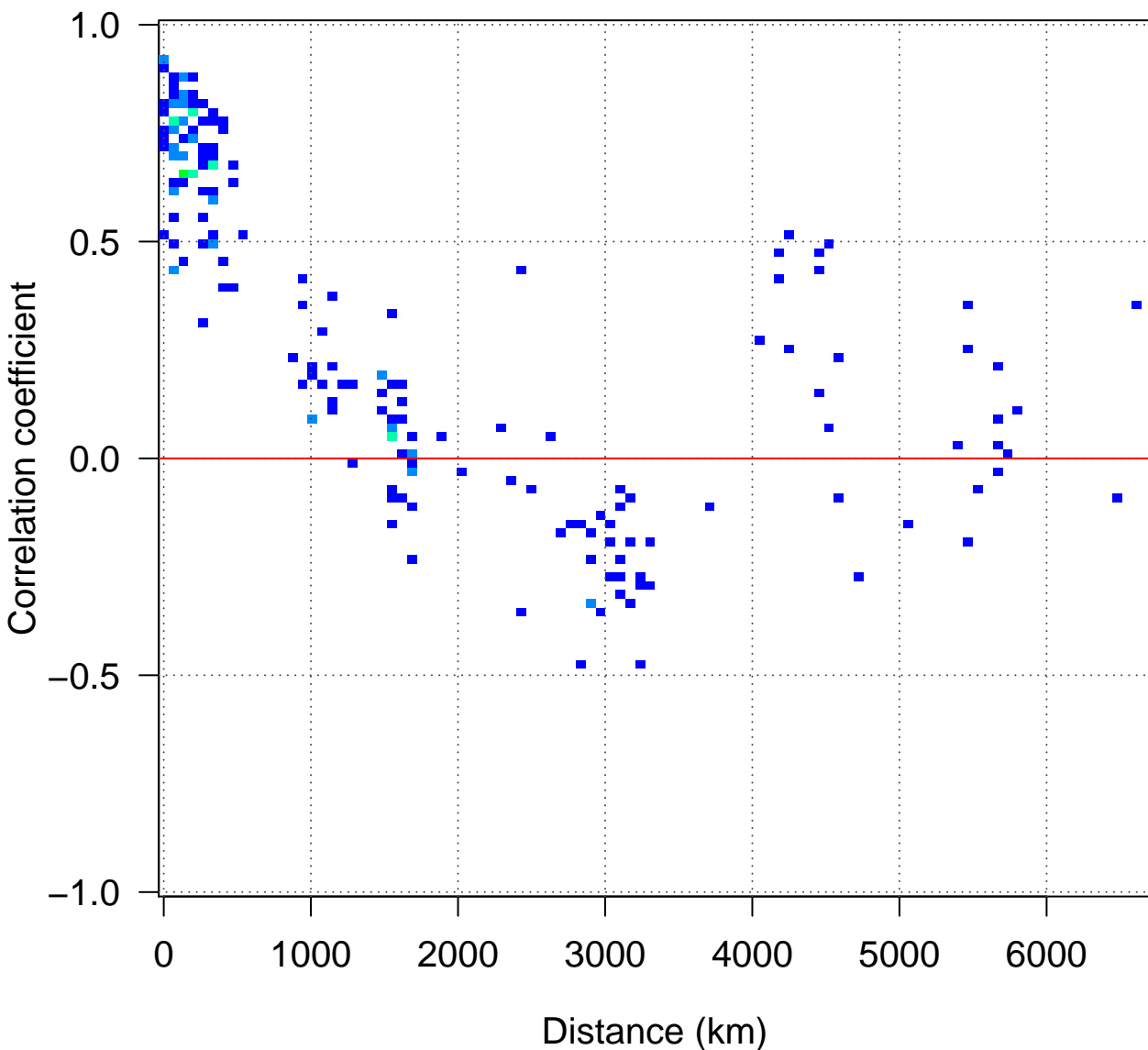
Number of RH data in all stations



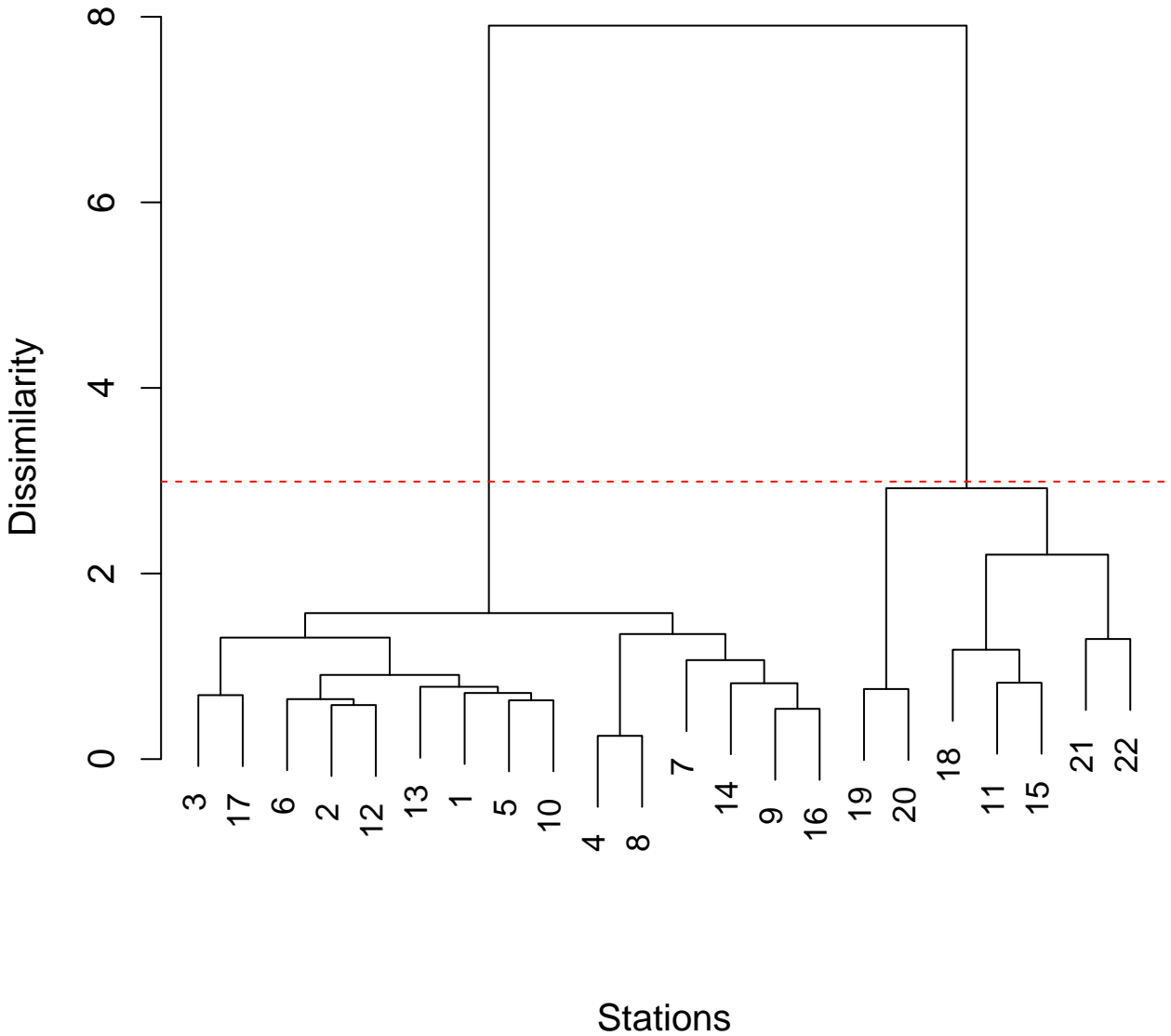
Histogram of all data



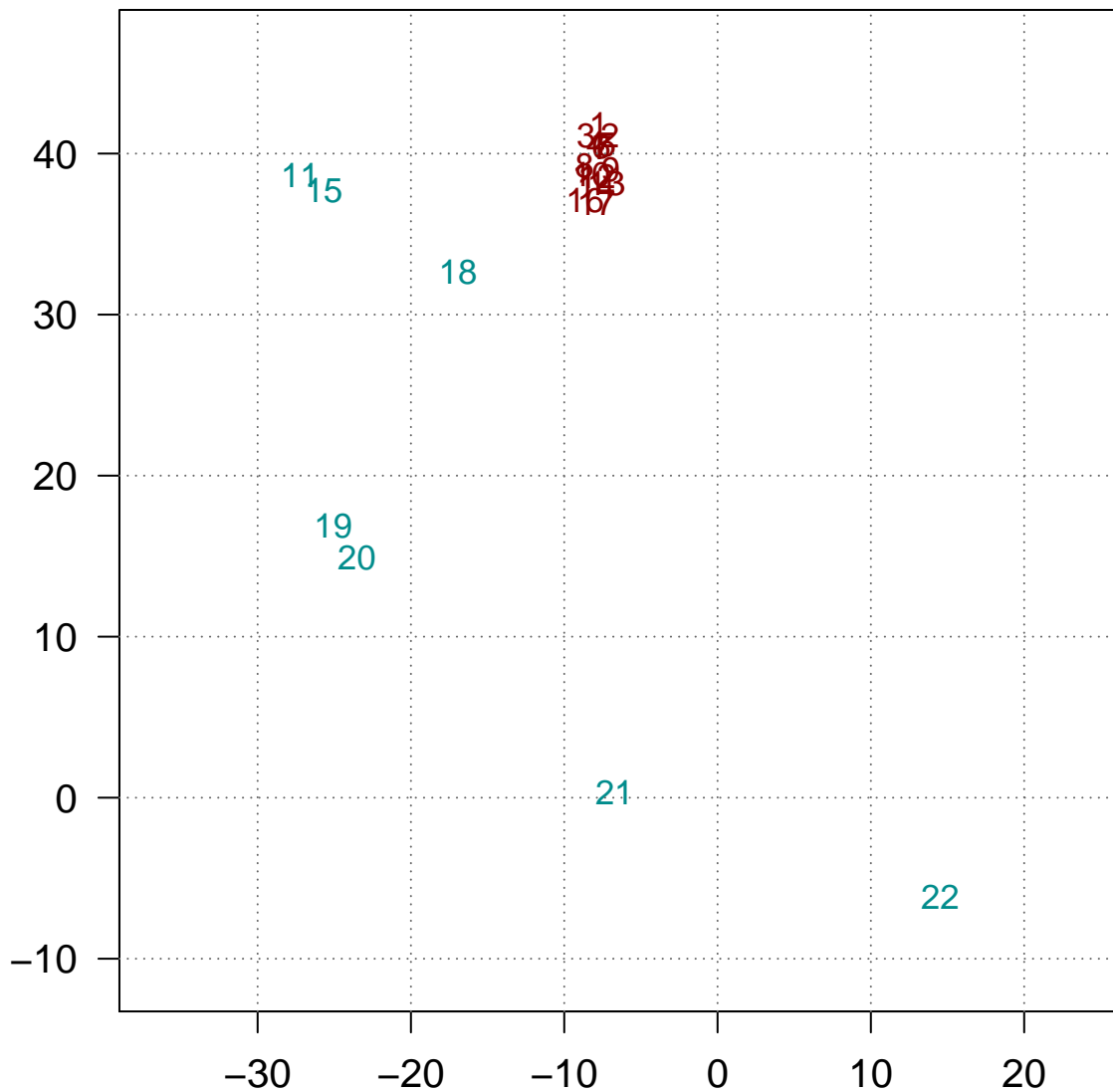
Correlogram of first difference RH series



Dendrogram of station clusters



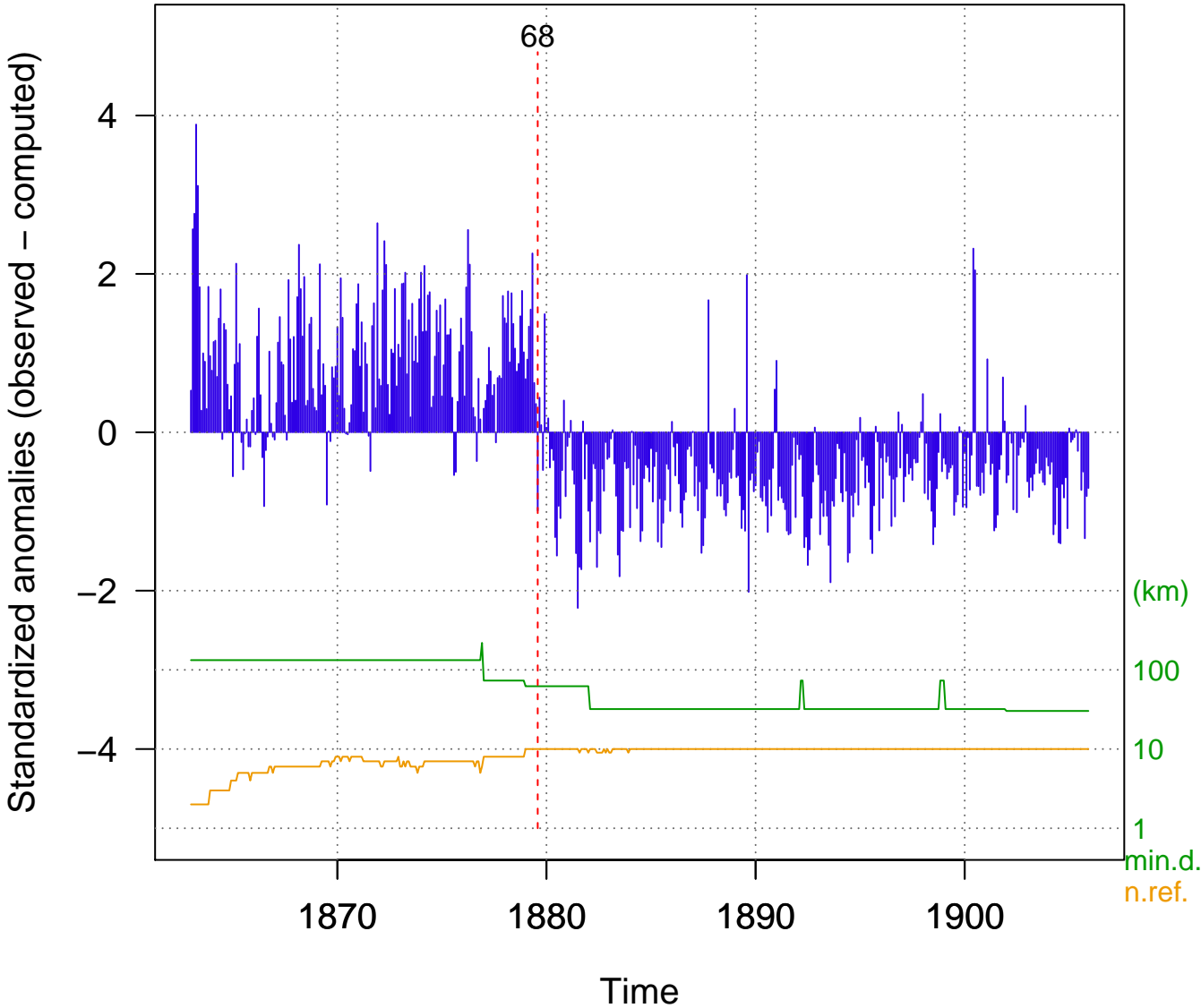
RH station locations (2 clusters)



Stage 1

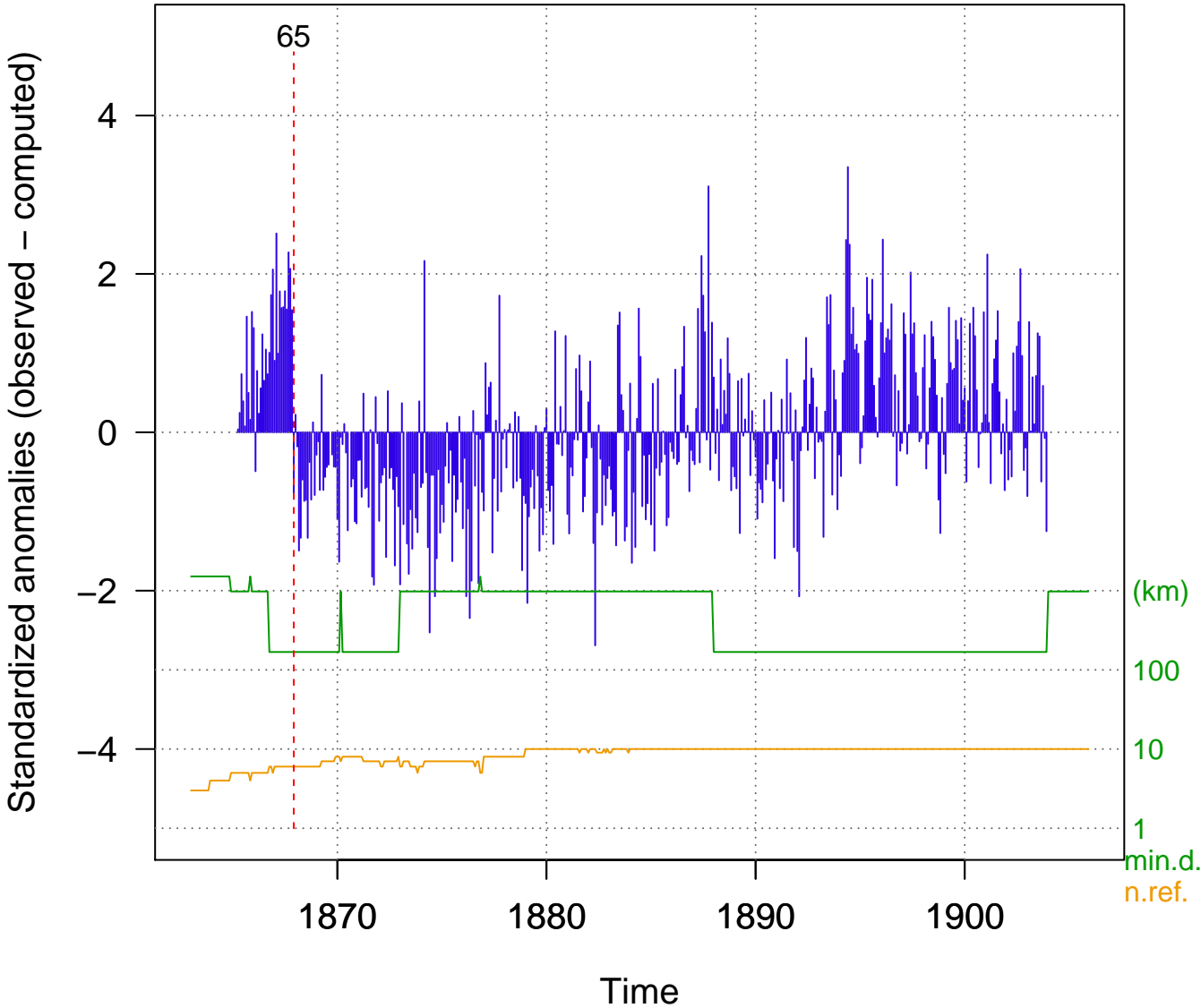
Binary splits on 60 term
stepped windows with
std=3, SNHT>25
and wd=1000 km

RH 5 (Guarda) Guarda



RH 15 (Ponta_Delgada)

Ponta Delgada



RH 3 (Porto)

Porto

Standardized anomalies (observed - computed)

63

4

2

0

-2

-4

(km)

100

10

1
min.d.
n.ref.

1870

1880

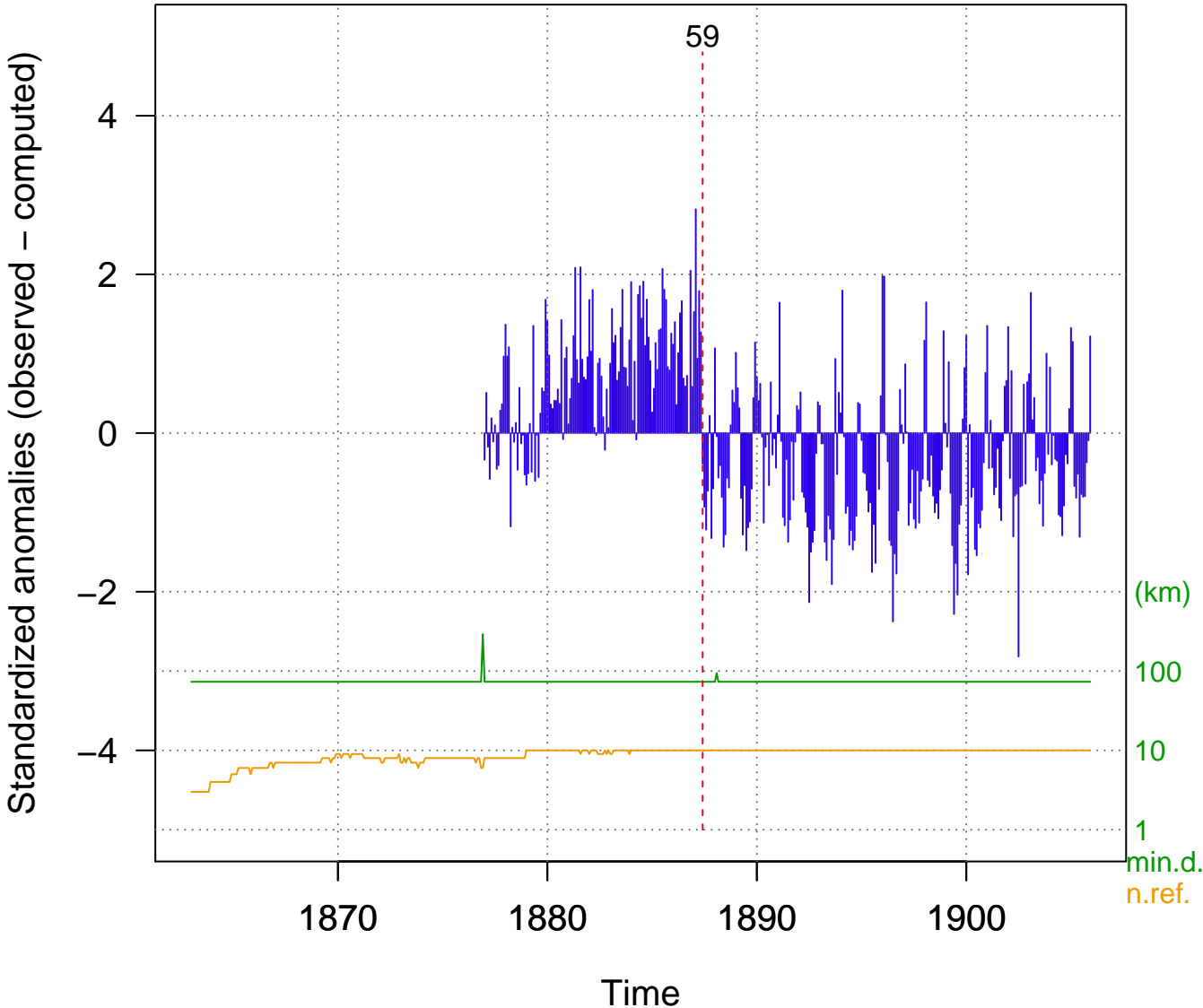
1890

1900

Time

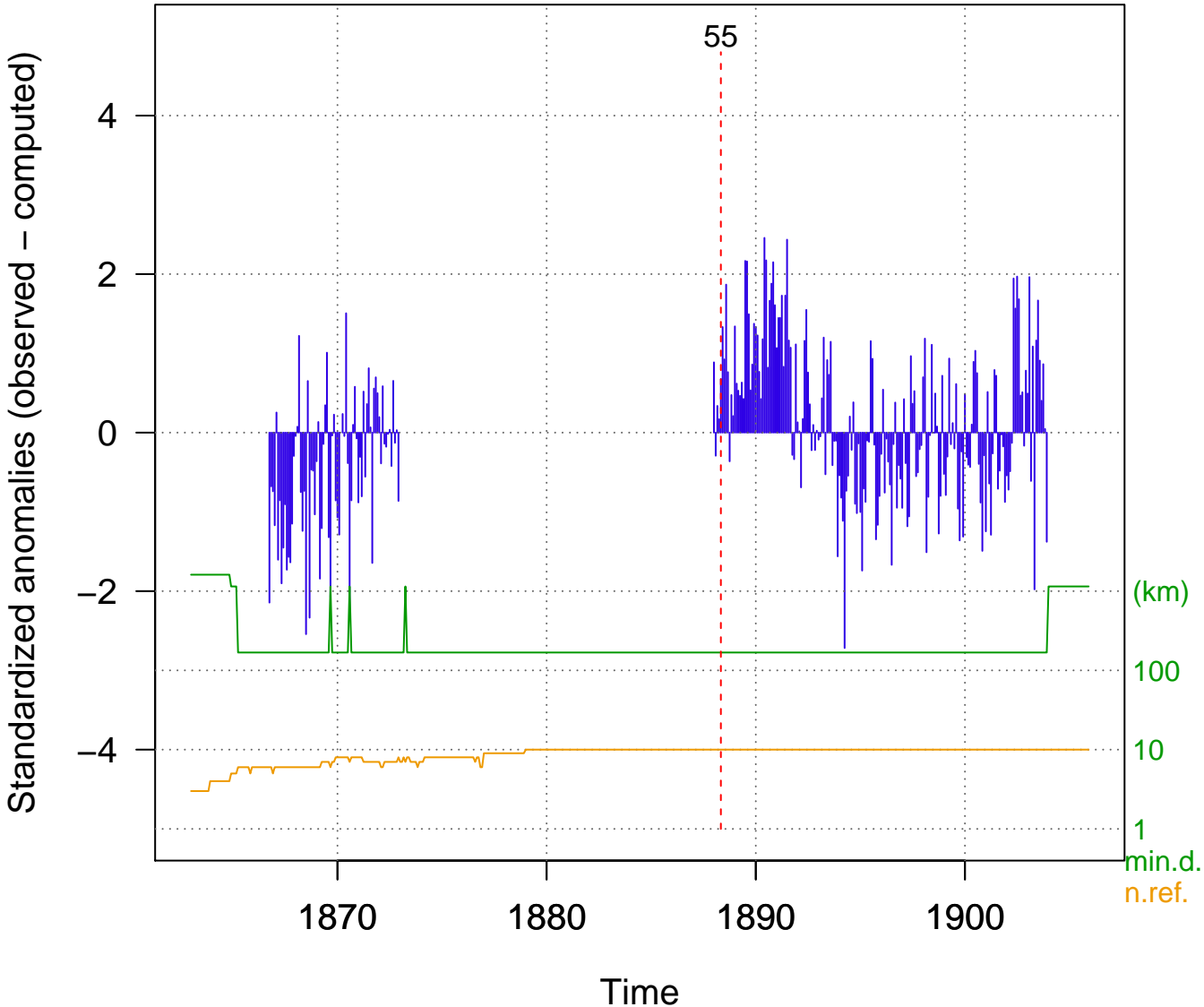


RH 2 (Moncorvo) Moncorvo

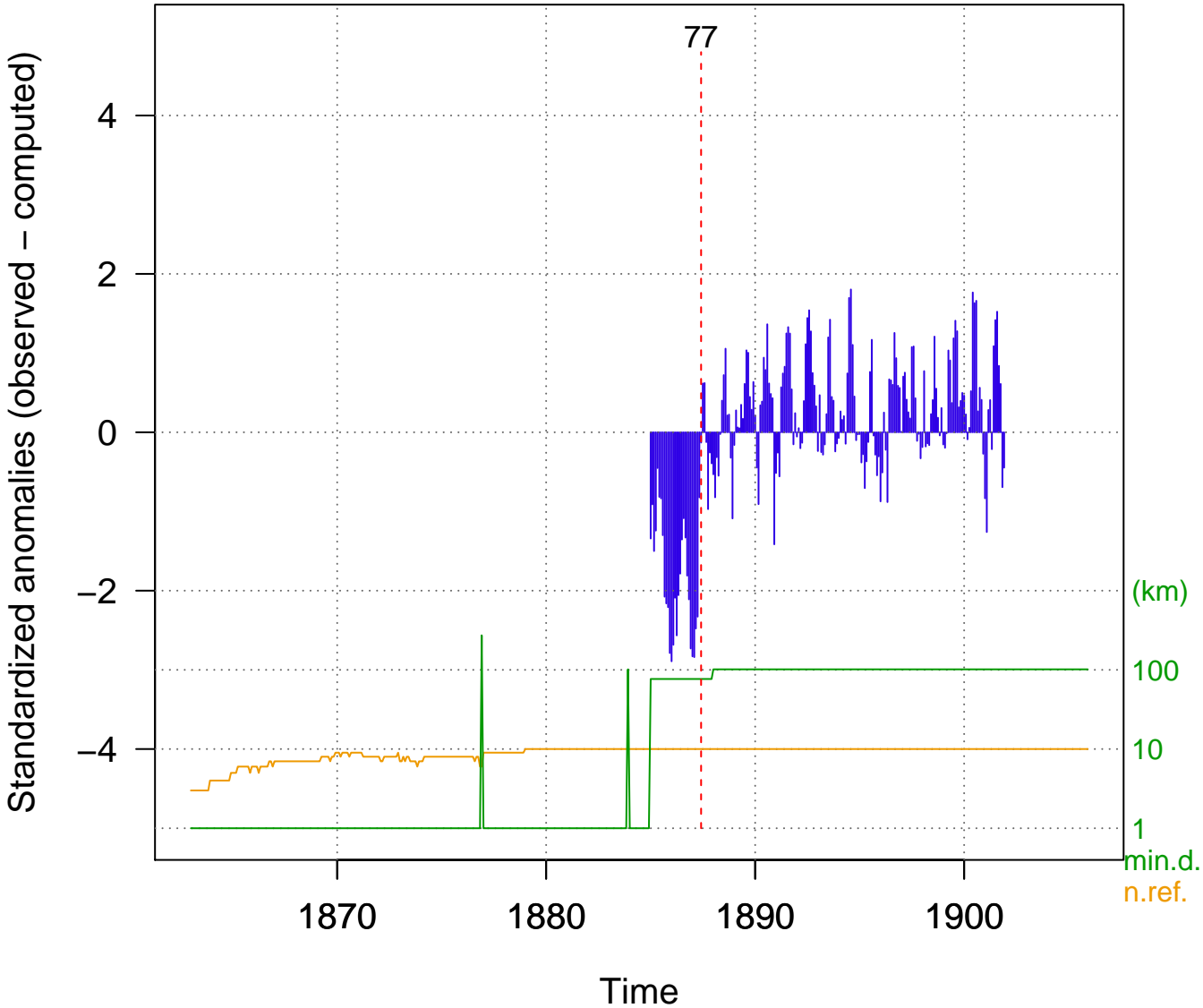


RH 11 (Angra_do_Heroismo)

Angra do Heroismo

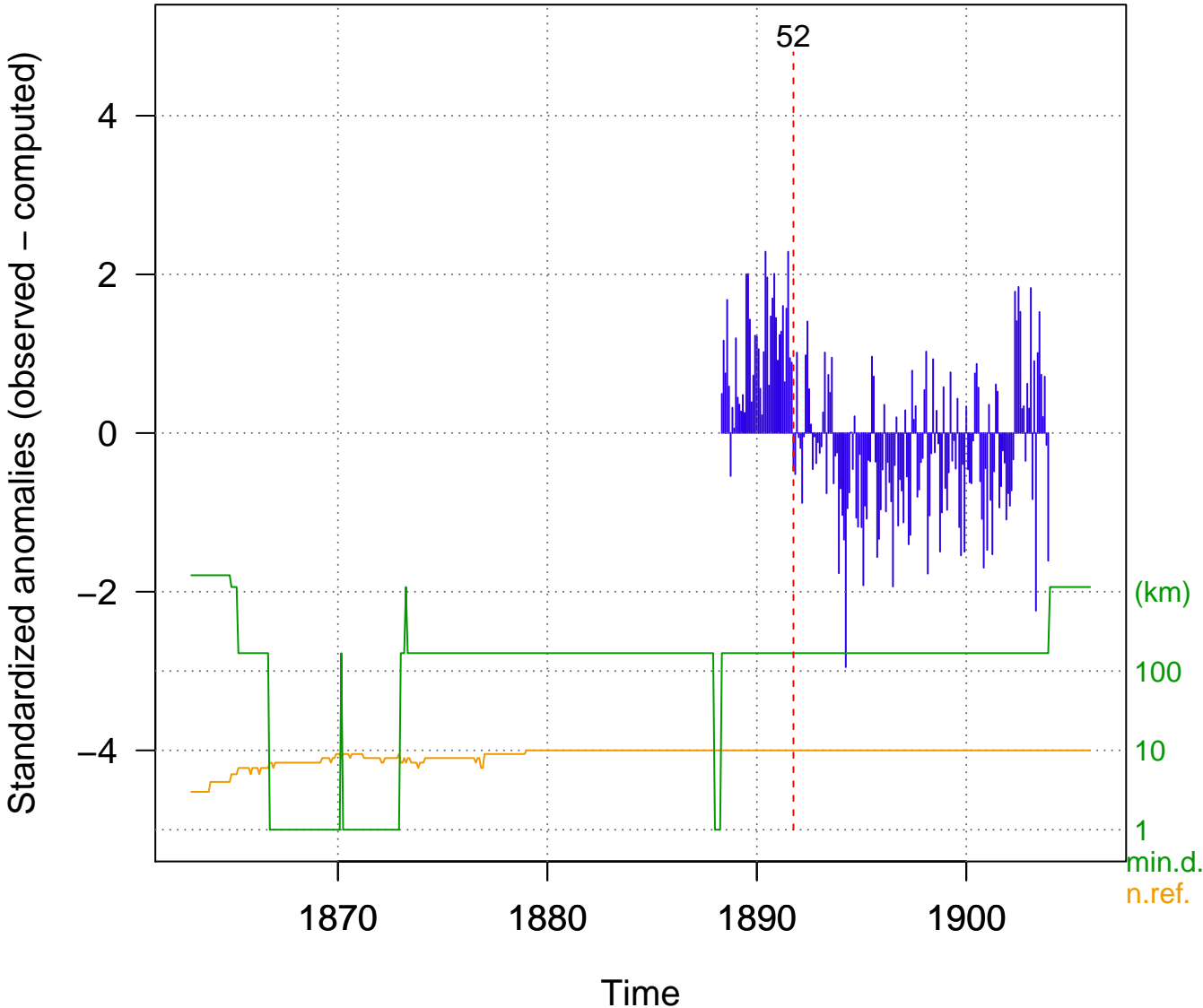


RH 3 (Porto) Porto

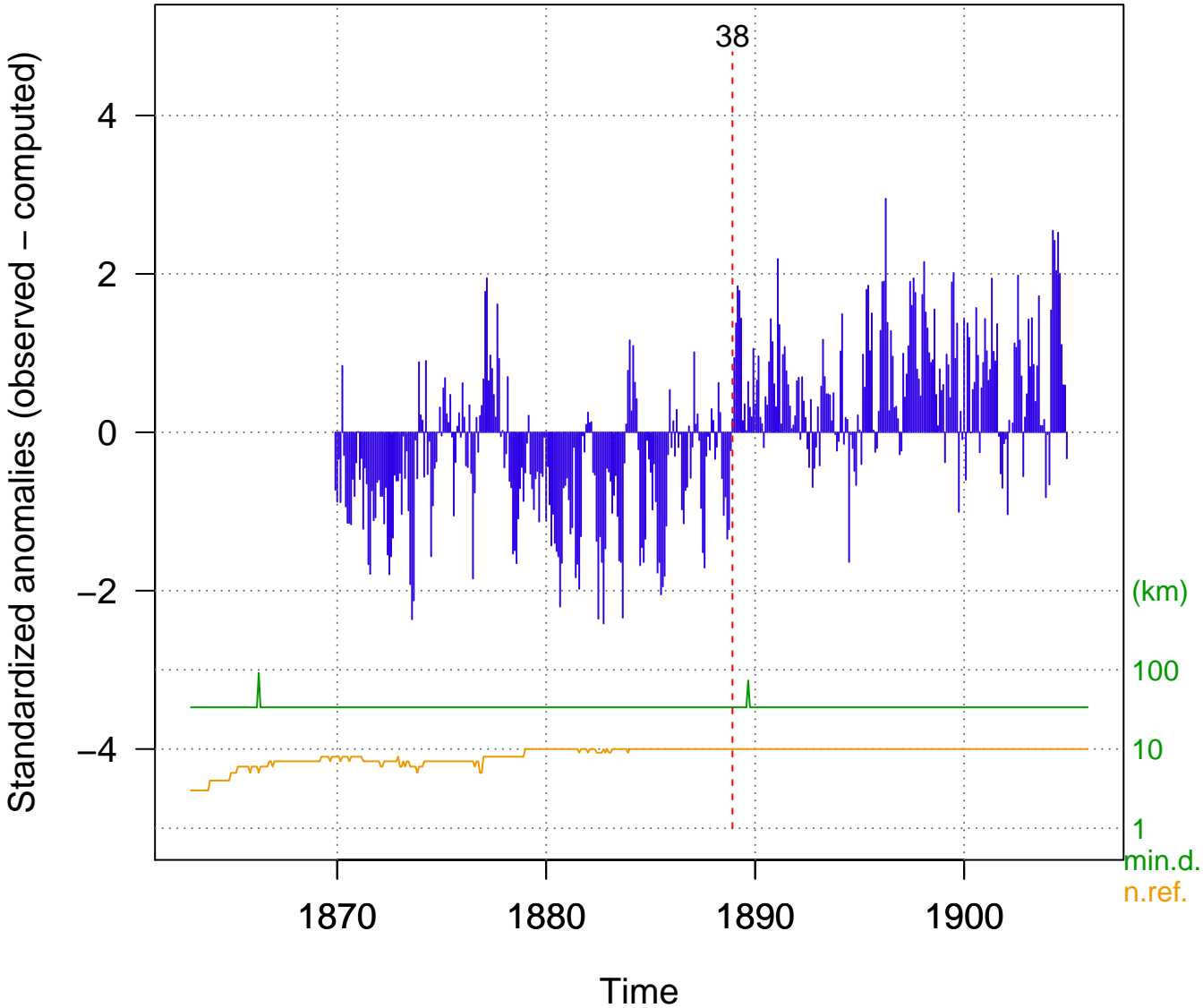


RH 11 (Angra_do_Heroismo)

Angra do Heroismo

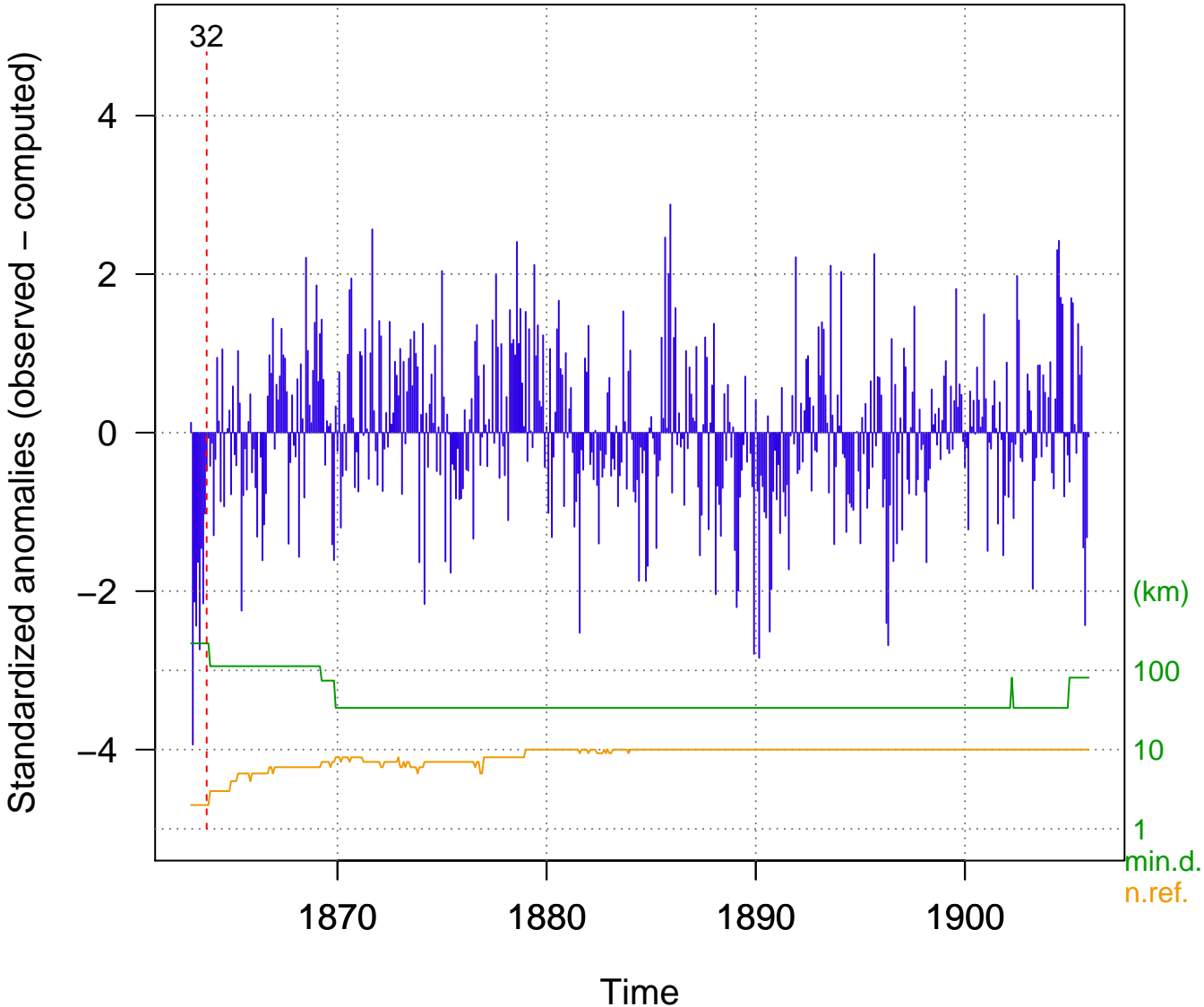


RH 12 (Evora) Evora

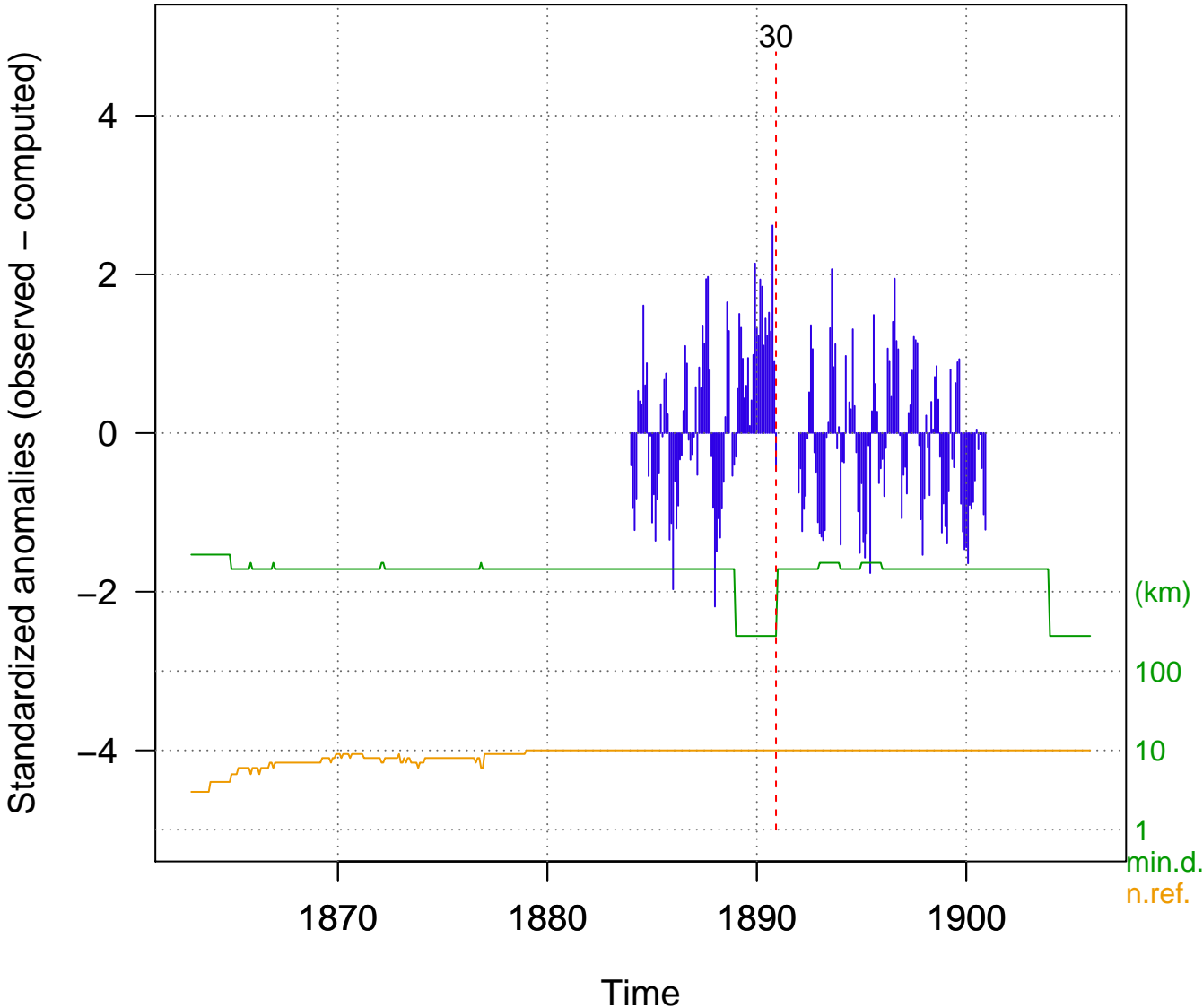


RH 10 (Infante_D_Luiz)

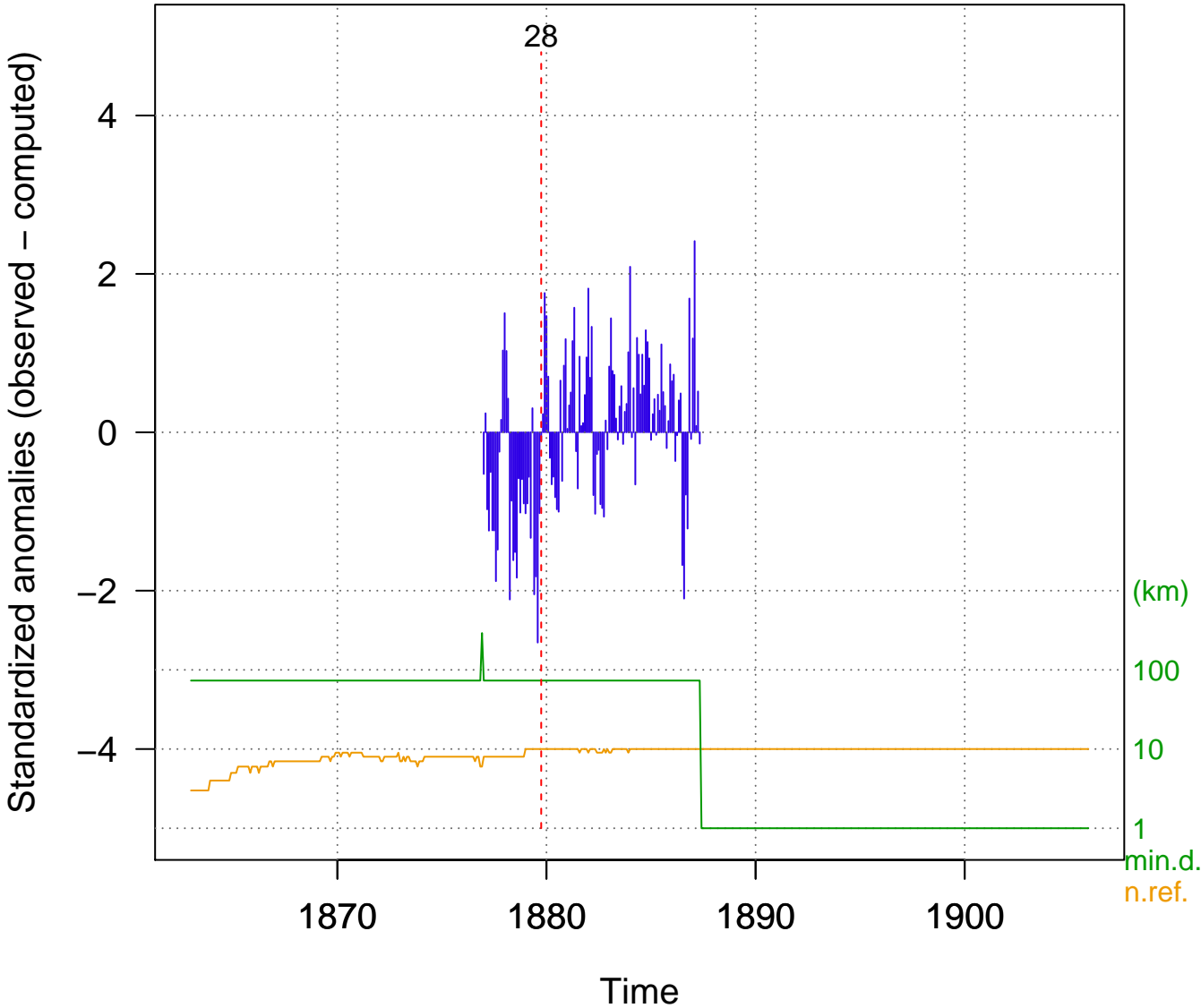
Lisbon Infante D. Luiz



RH 19 (S._Vicente)
S. Vicente

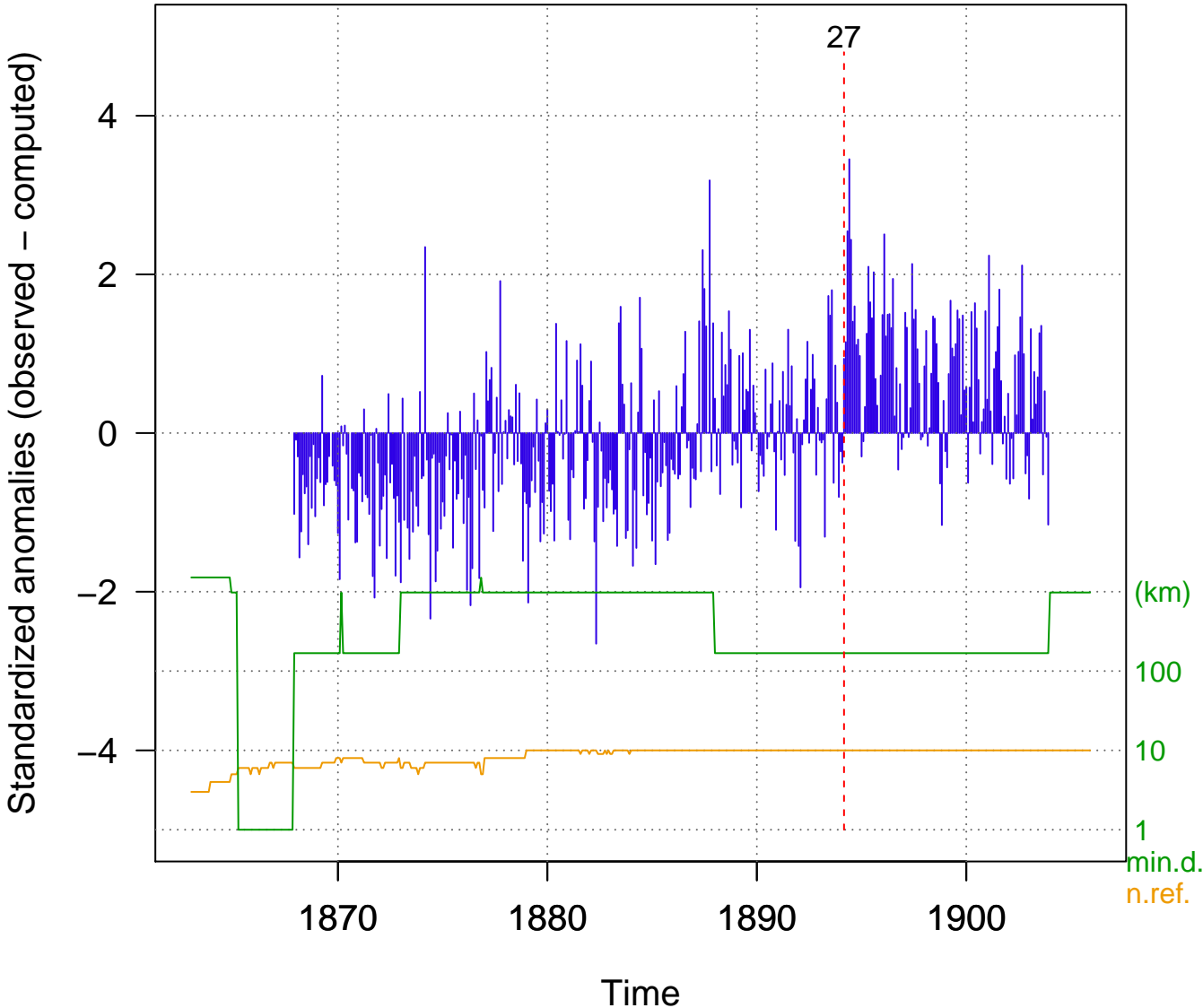


RH 26 (Moncorvo-2) Moncorvo-2

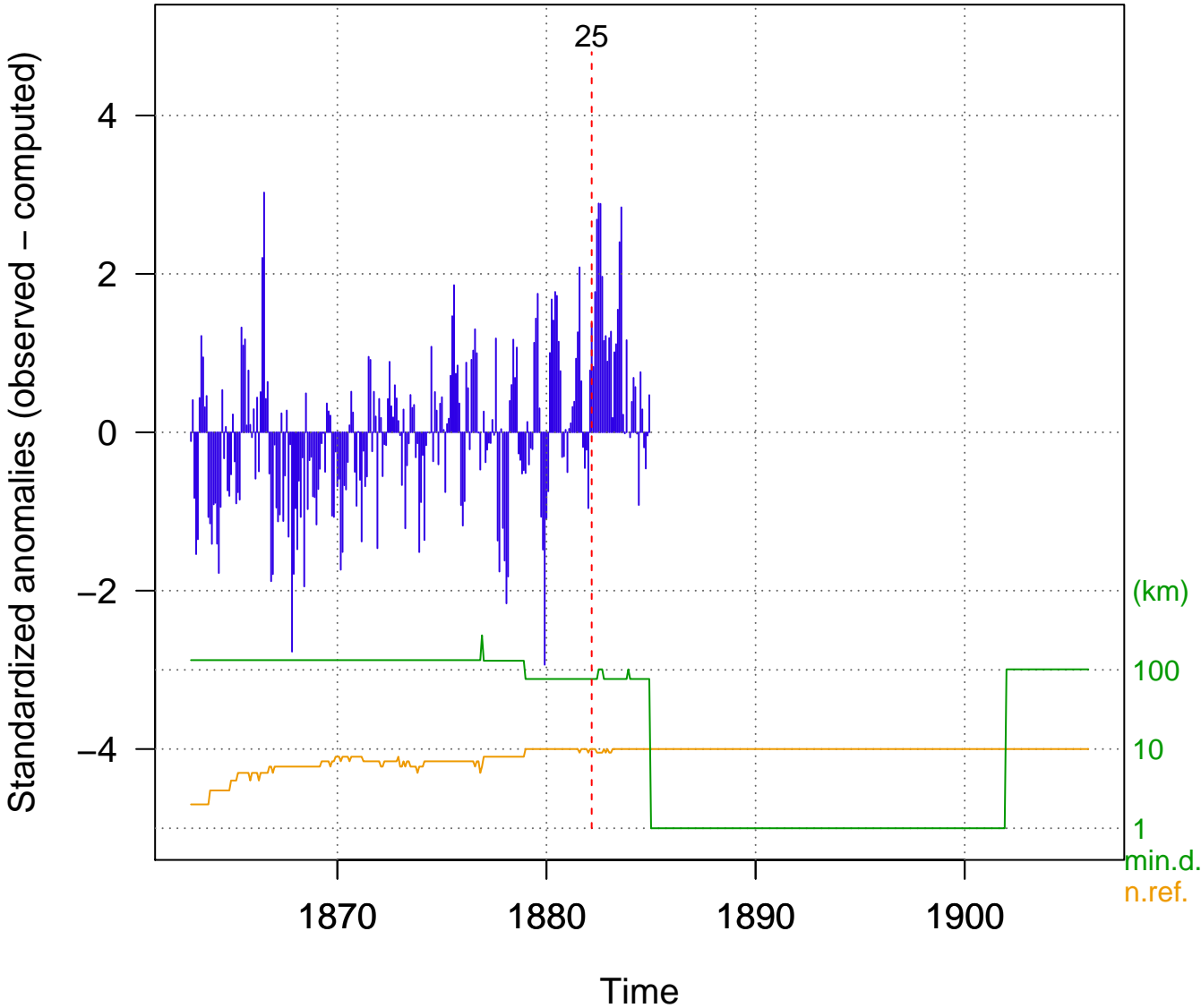


RH 15 (Ponta_Delgada)

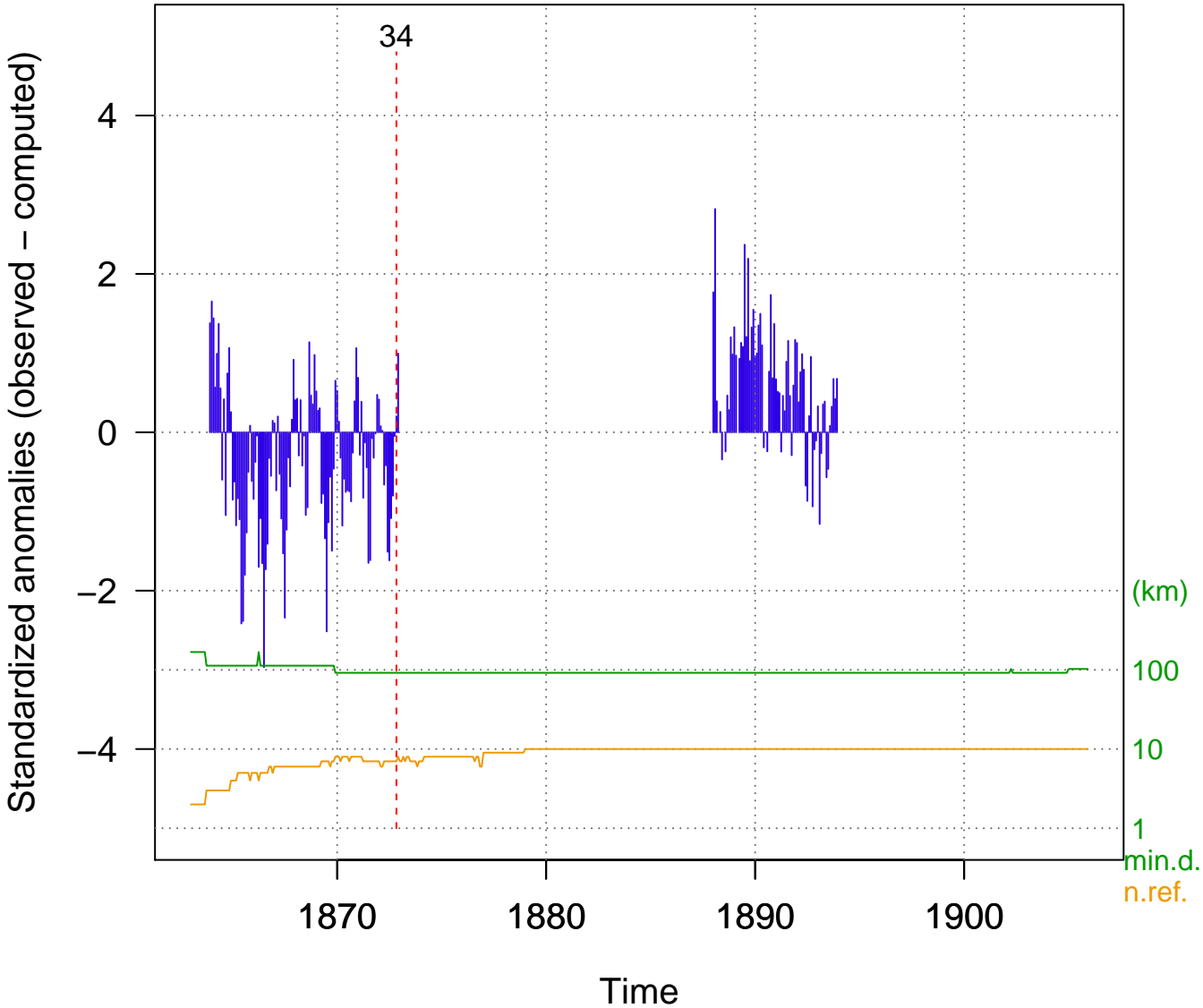
Ponta Delgada



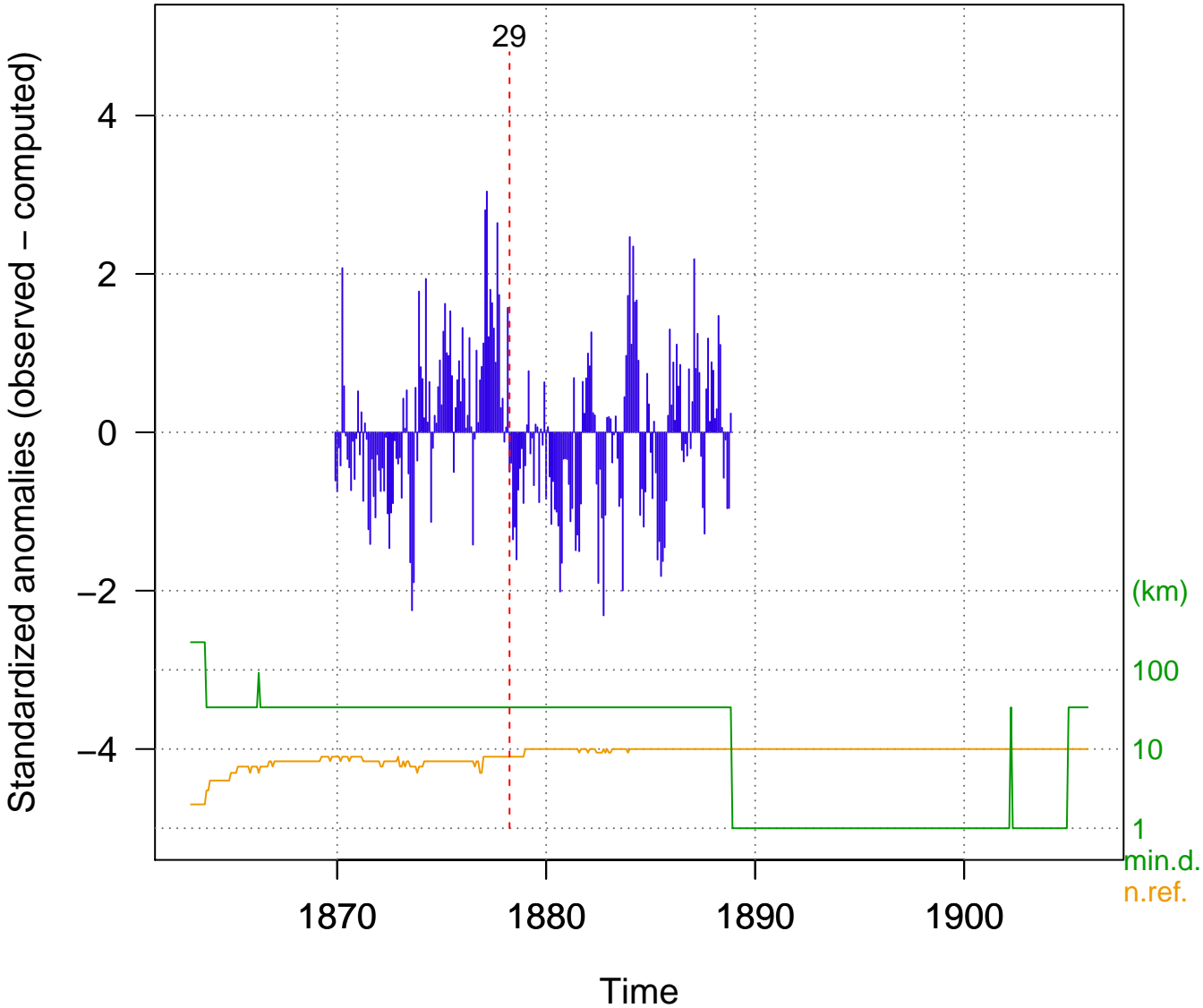
RH 25 (Porto-2) Porto-2



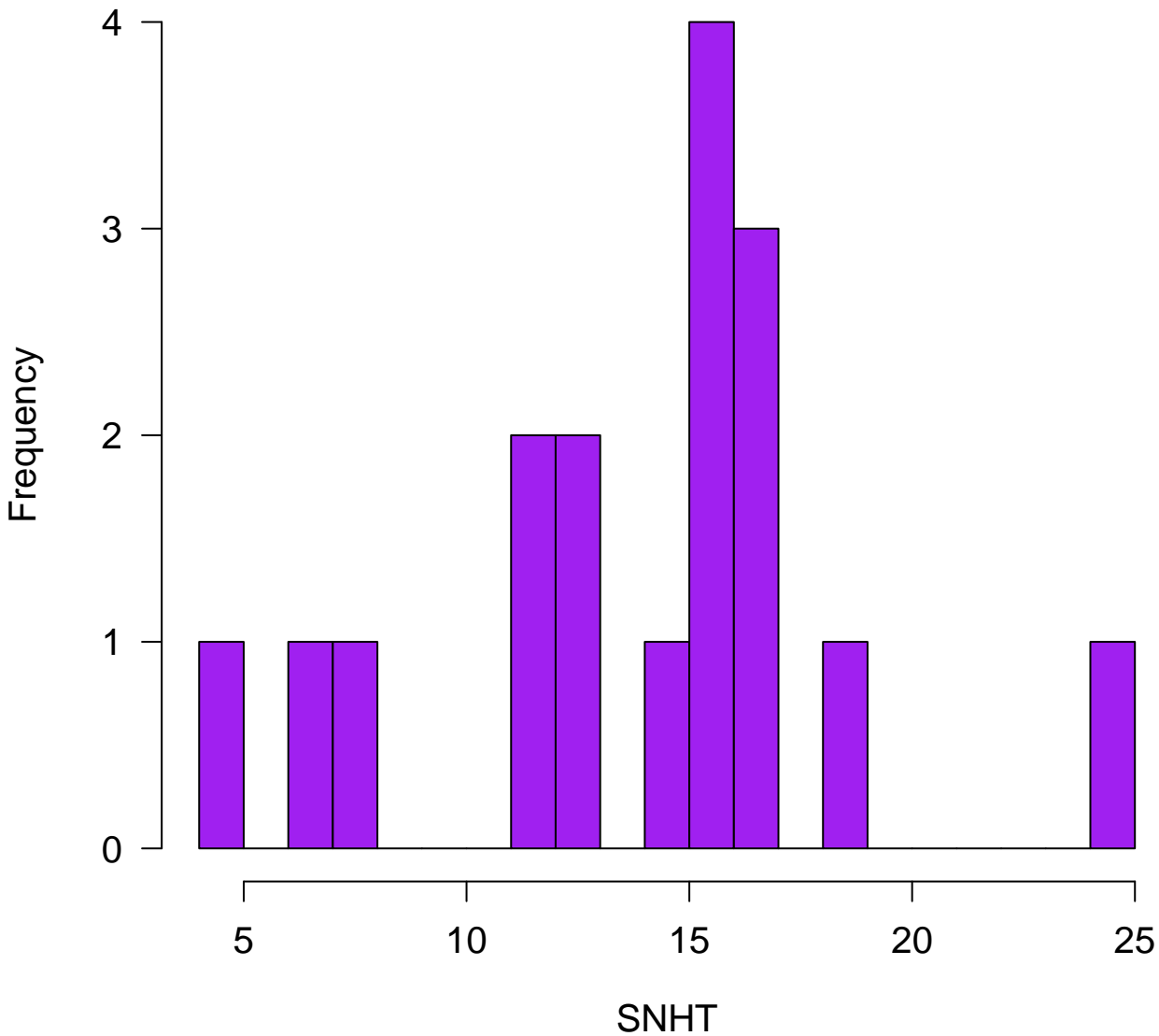
RH 9 (Campo_Maior) Campo Maior



RH 30 (Evora-2) Evora-2



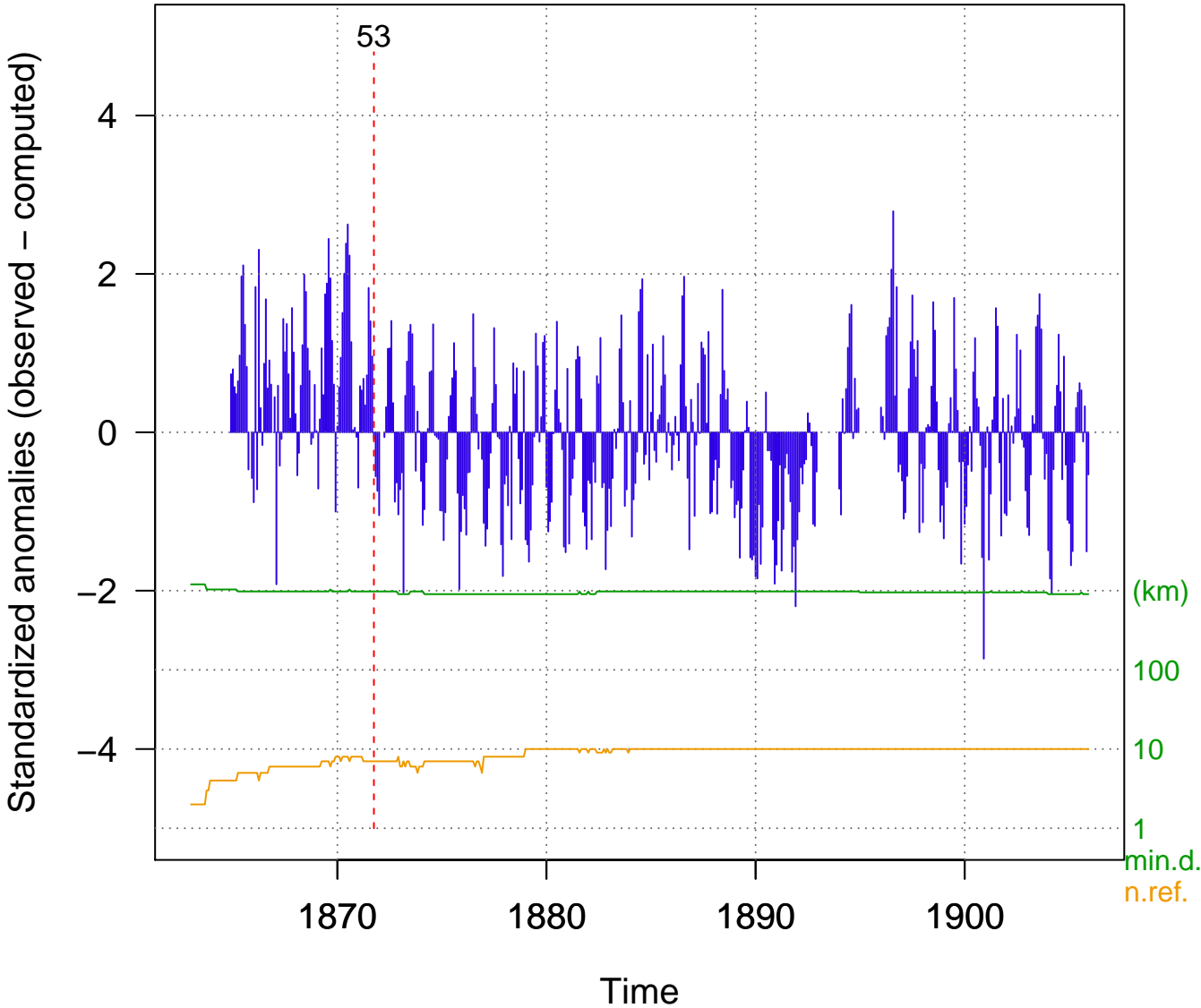
Histogram of maximum SNHT (Stage 1)



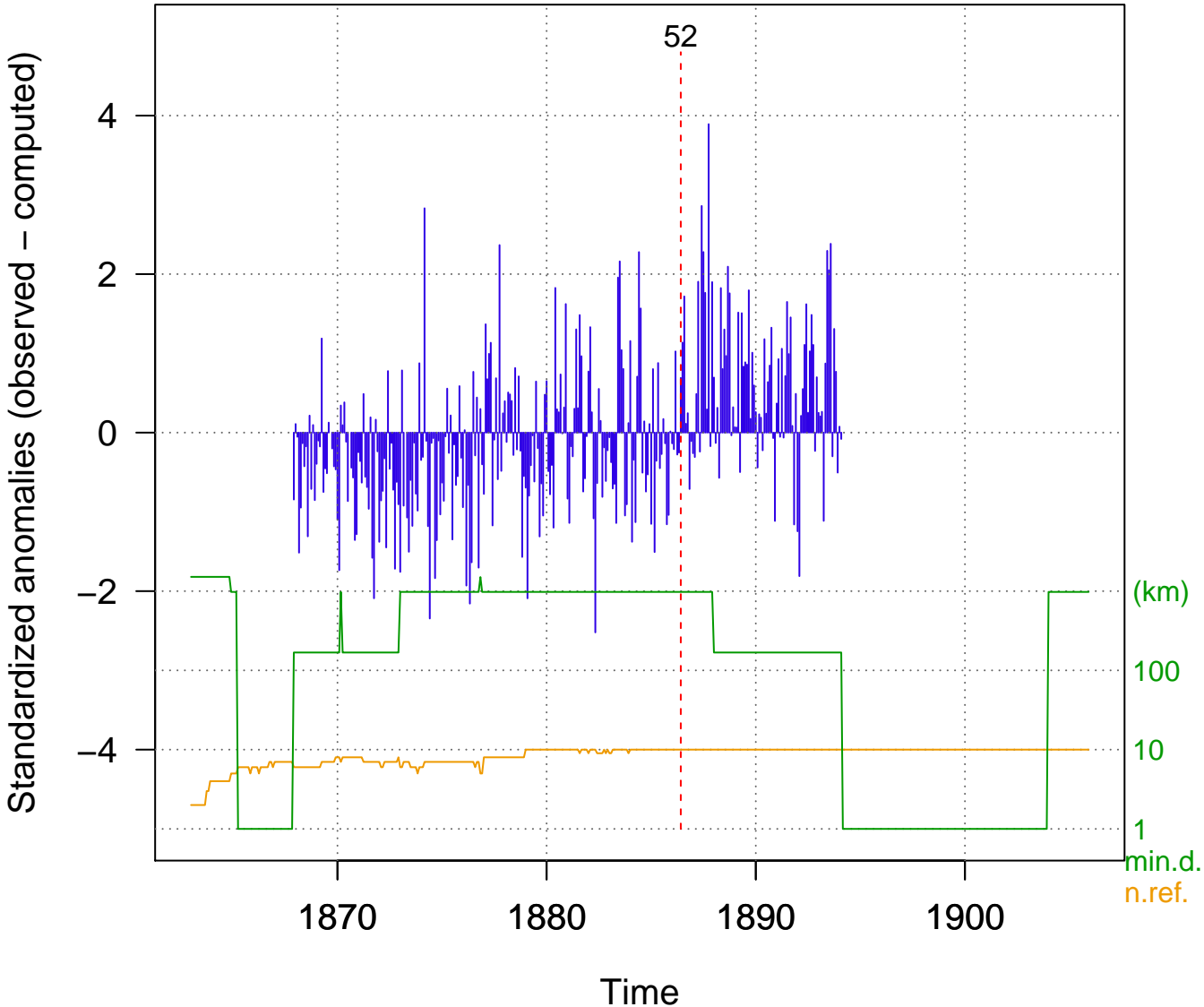
Stage 2

Binary splits on
whole series with
 $\text{std}=3$, $\text{SNHT}>25$
and $\text{wd}=1000$ km

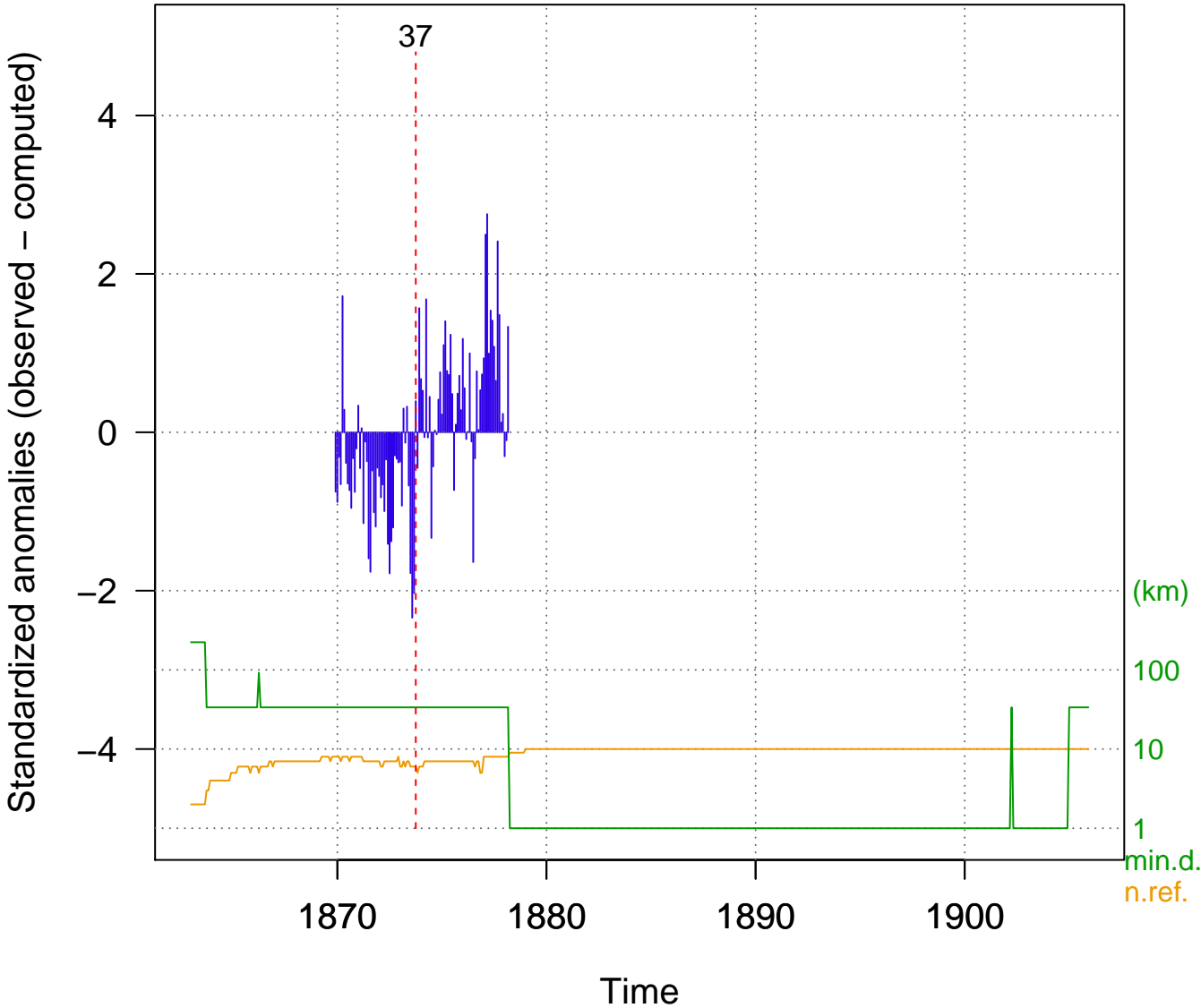
RH 18 (Funchal) Funchal



RH 33 (Ponta_Delgada-3) Ponta Delgada-3

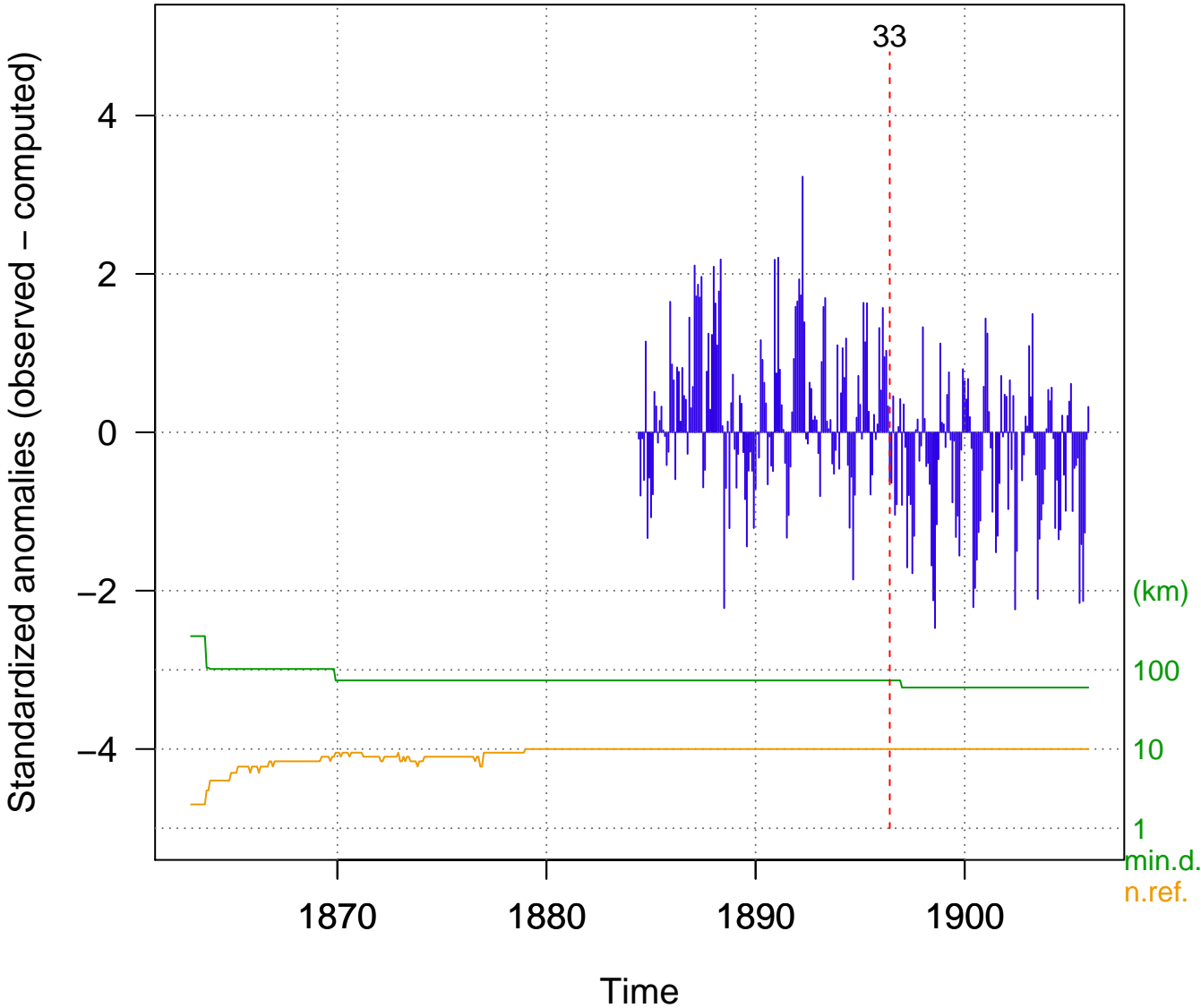


RH 36 (Evora-3) Evora-3

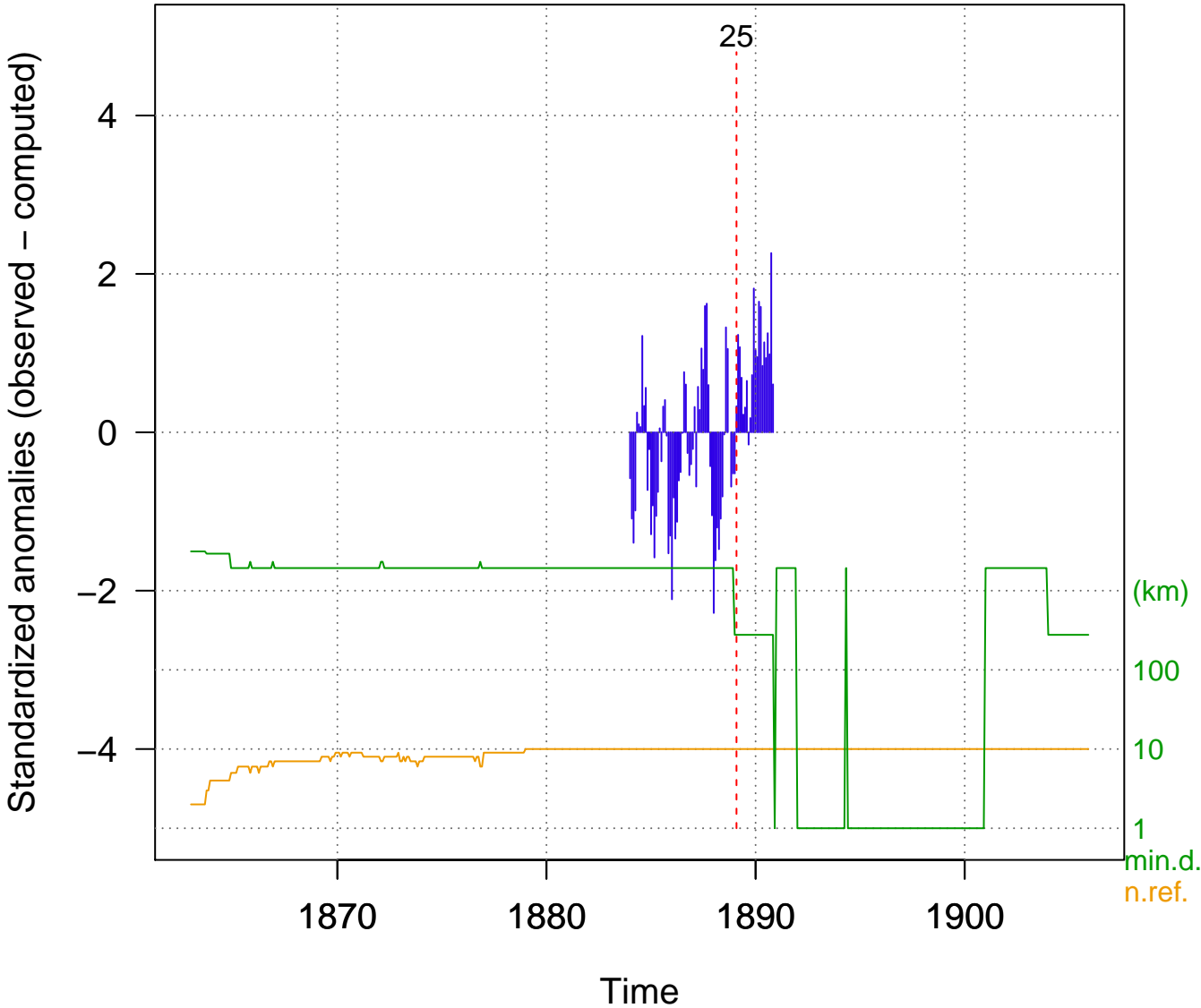


RH 13 (Villa_Fernando)

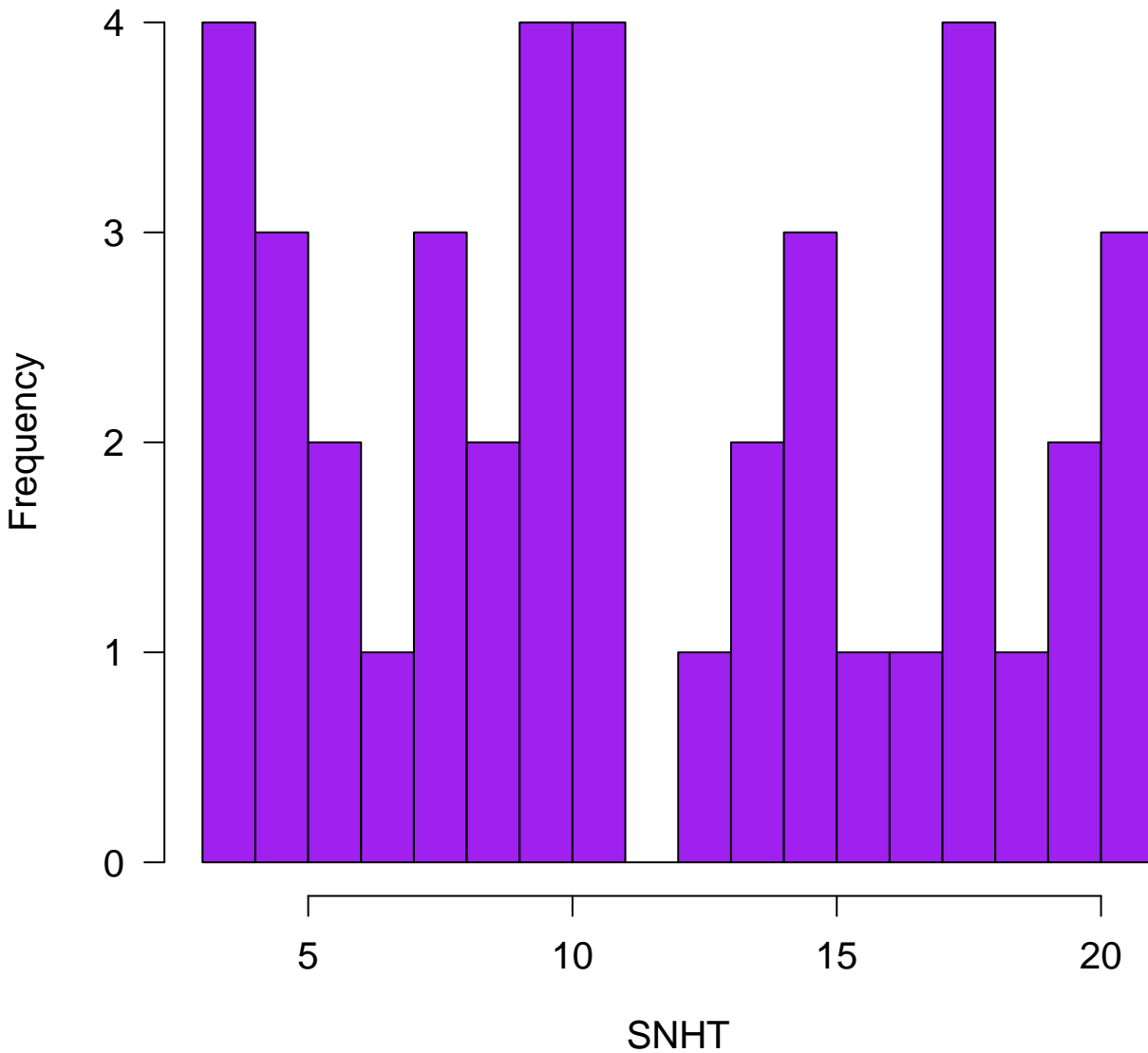
Villa Fernando



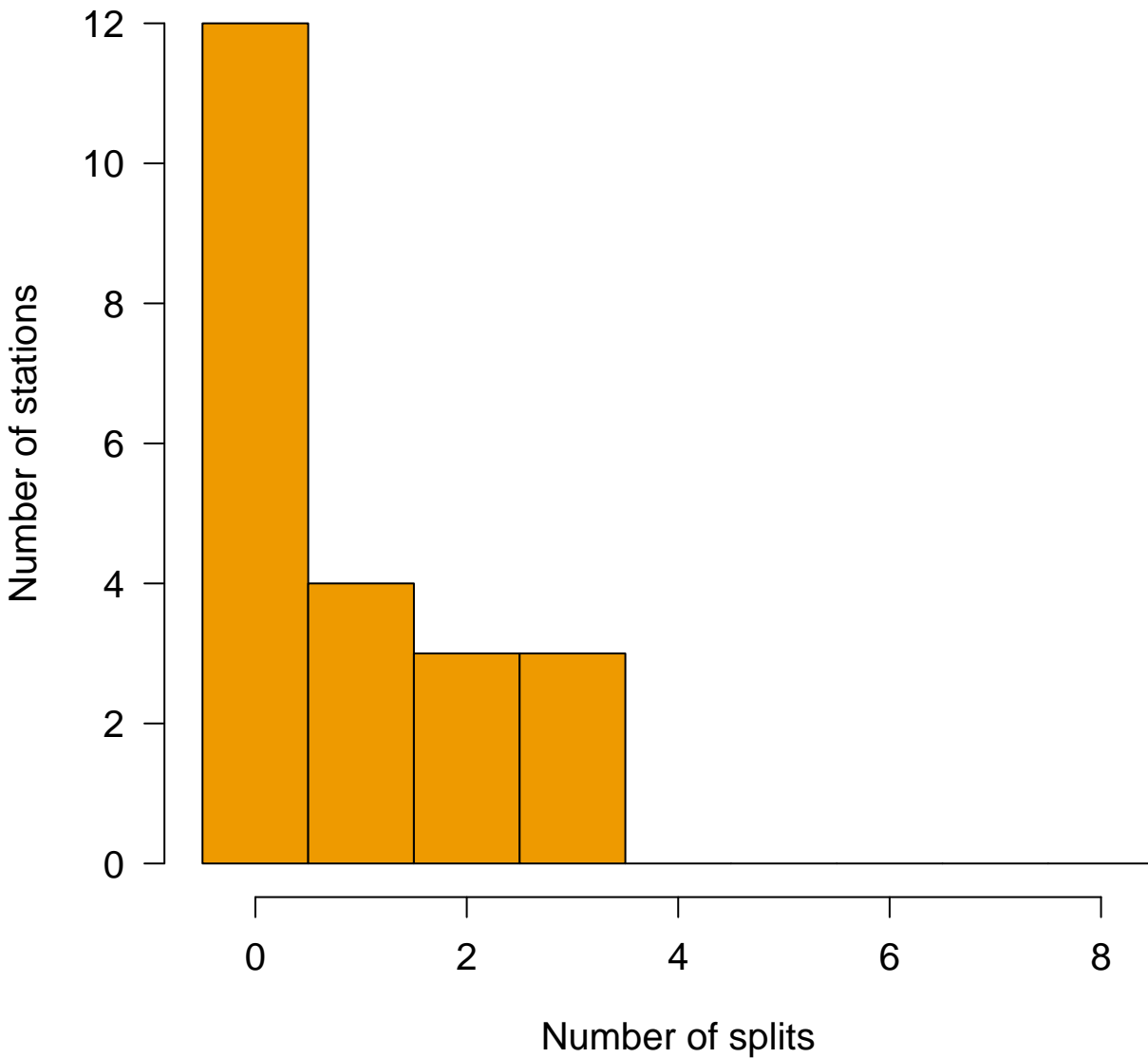
RH 31 (S._Vicente-2) S. Vicente-2



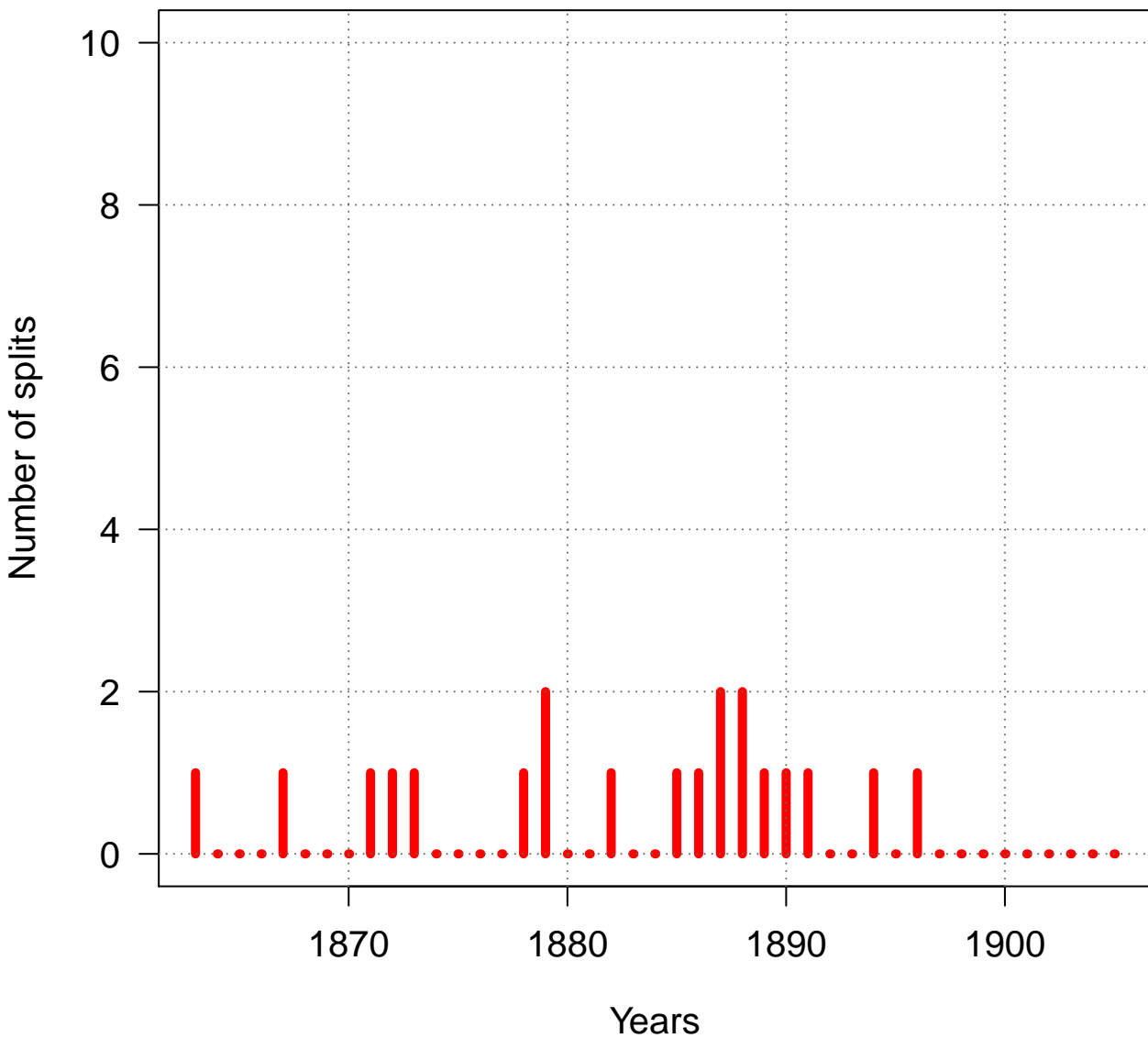
Histogram of maximum SNHT (Stage 2)



Number of splits per station



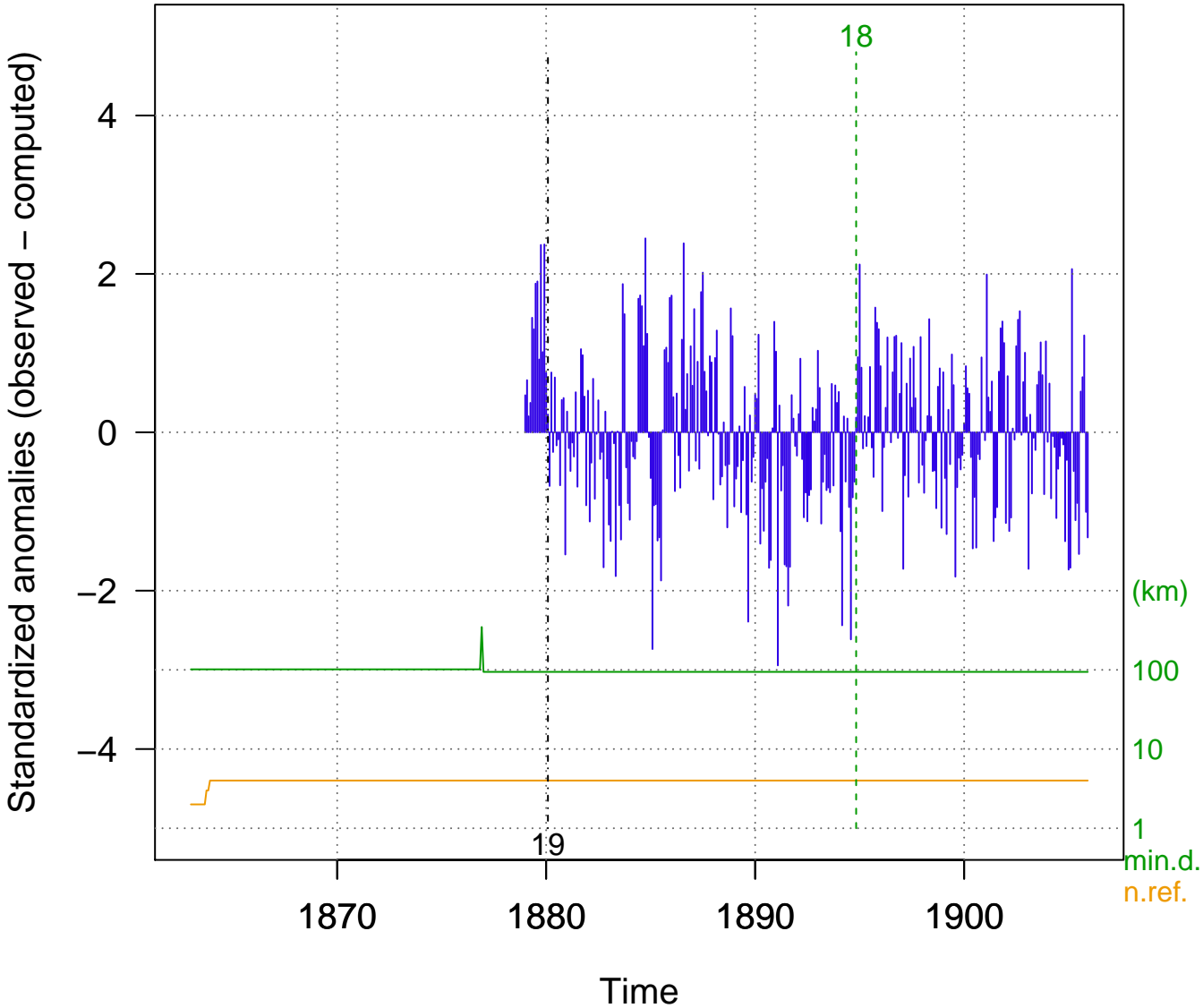
Number of splits per year



Stage 3

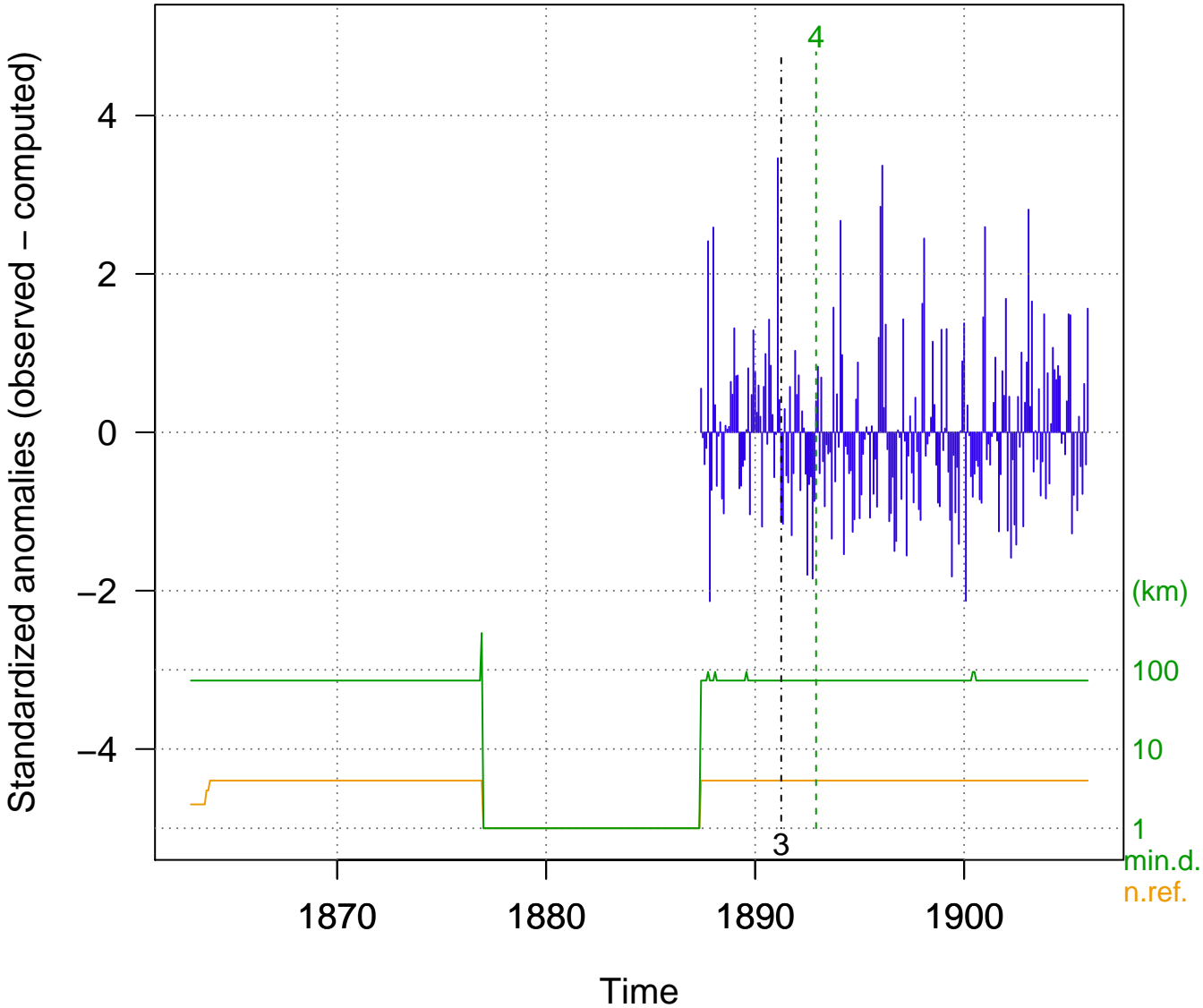
Final anomalies of the
homogenized series with
 $wd = 100$ km and $nref = 4$

RH 1 (Montalegre) Montalegre

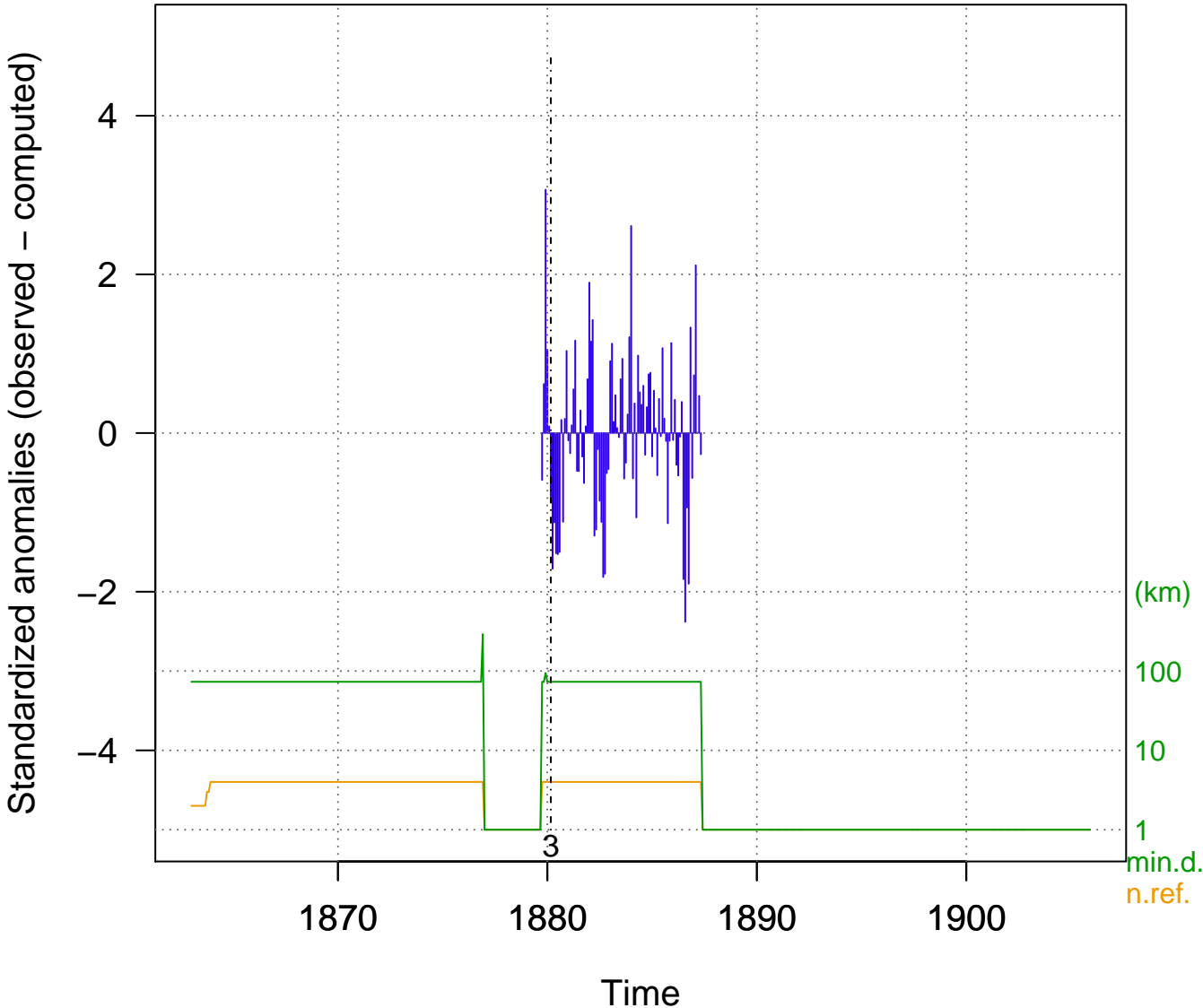


RH 2 (Moncorvo)

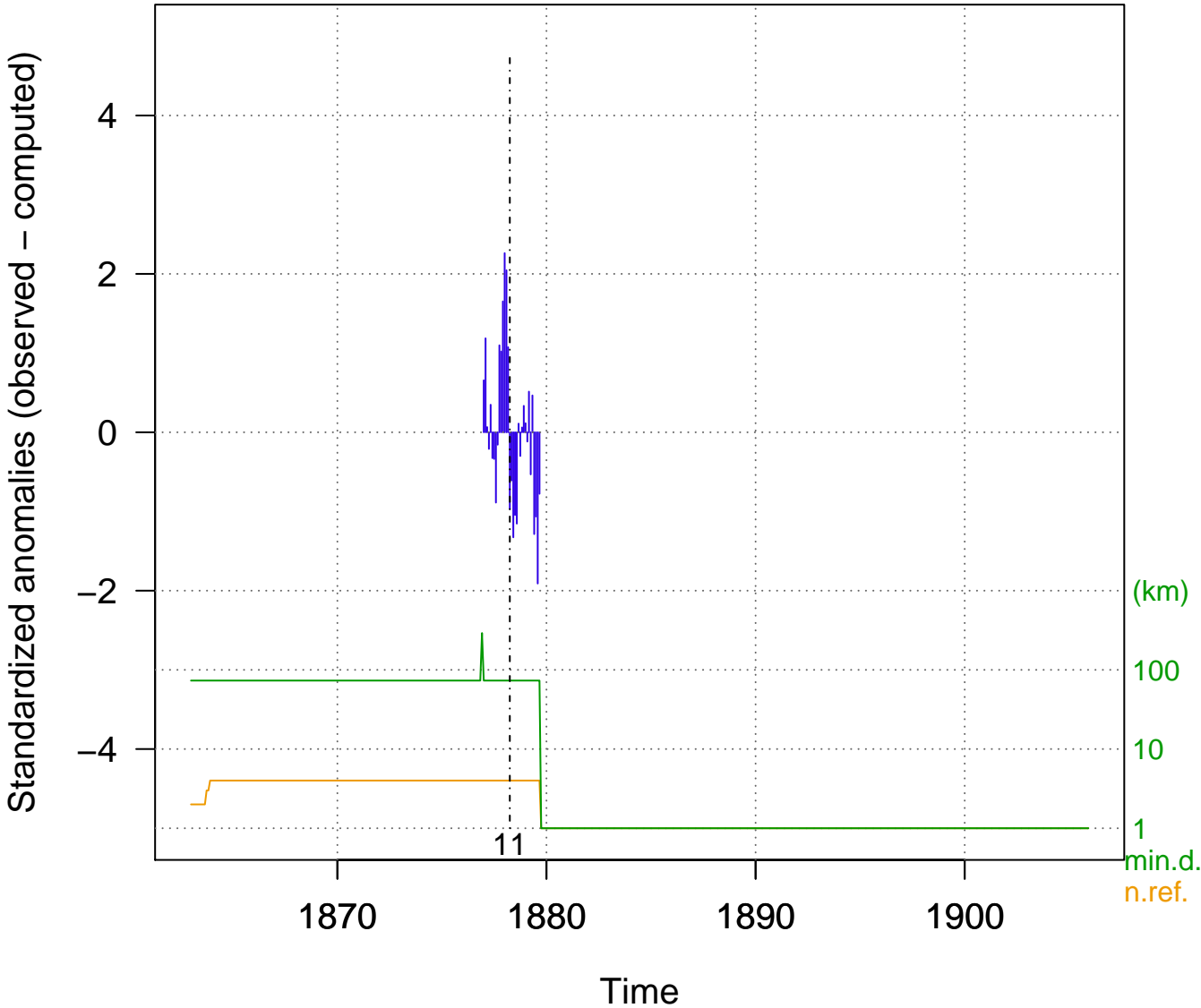
Moncorvo



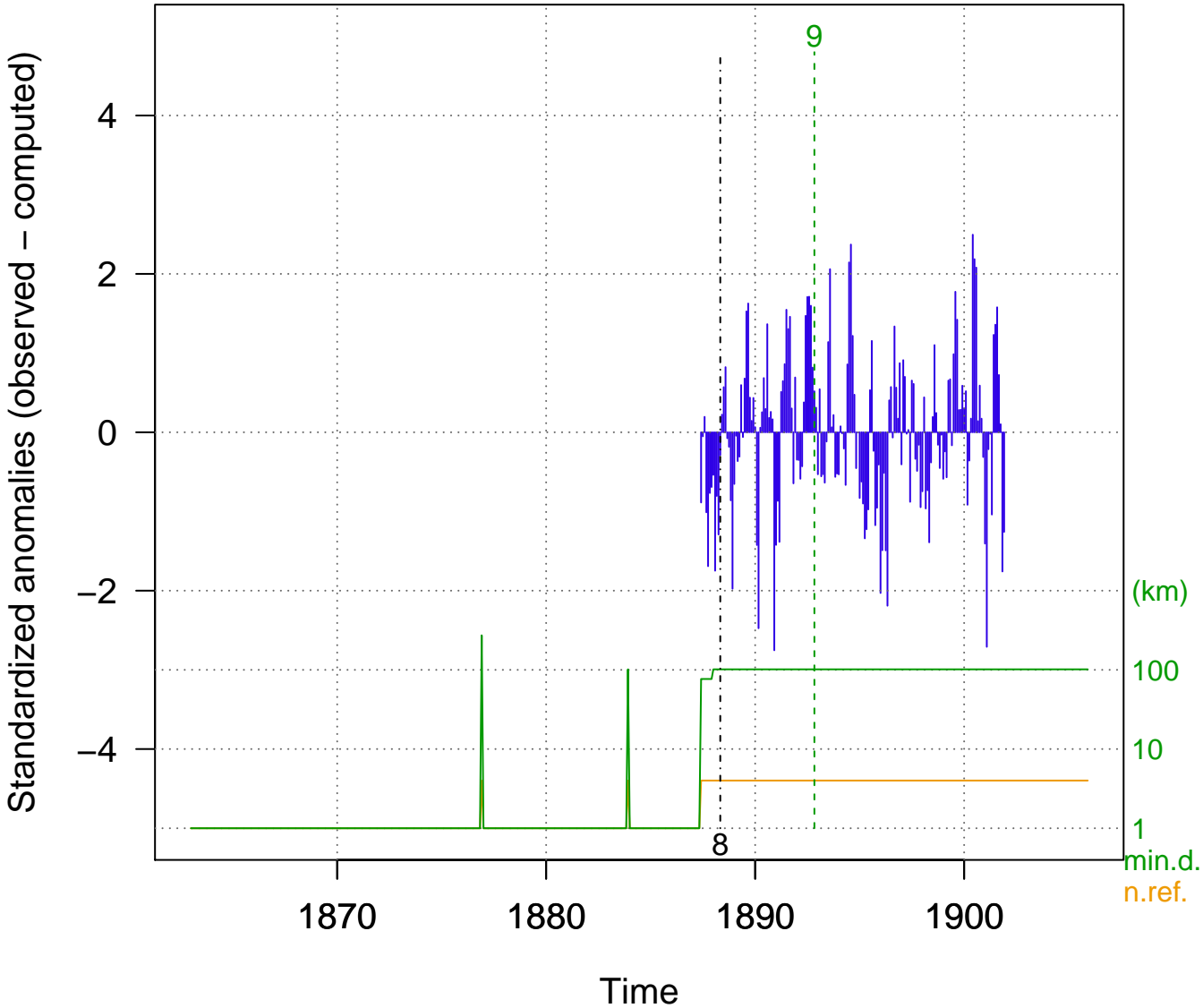
RH 26 (Moncorvo-2) Moncorvo-2



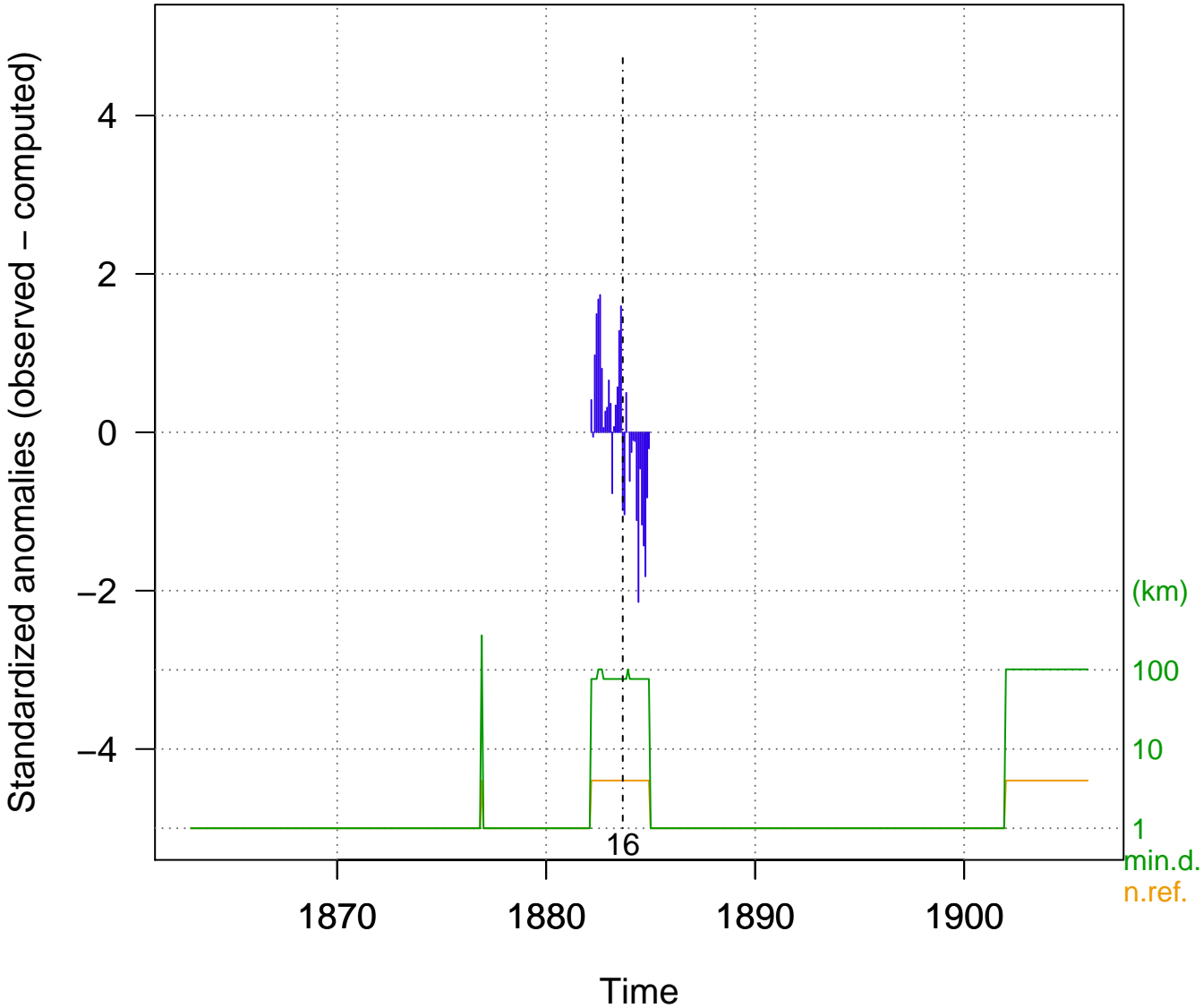
RH 32 (Moncorvo-3) Moncorvo-3



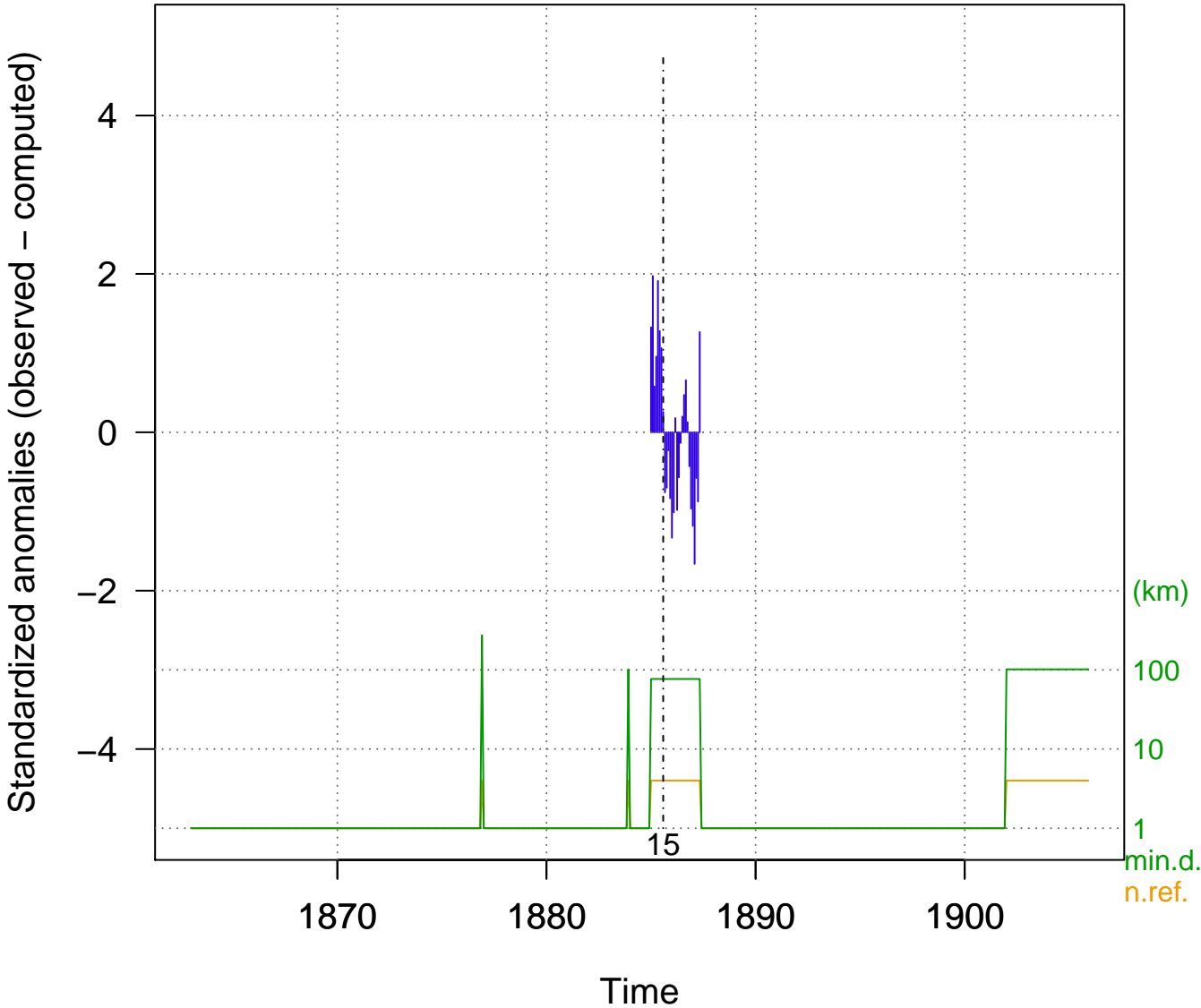
RH 3 (Porto) Porto



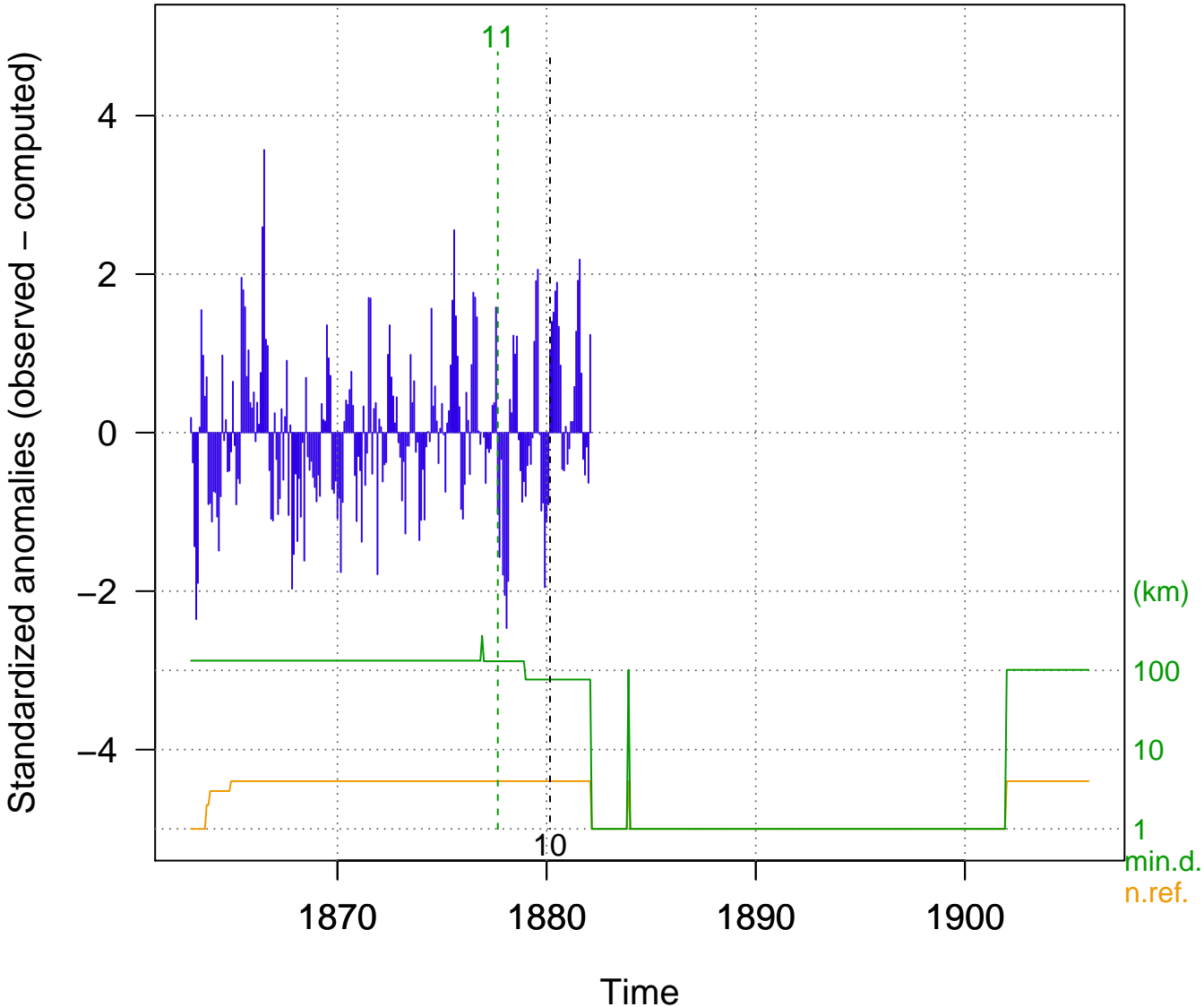
RH 25 (Porto-2) Porto-2



RH 28 (Porto-3) Porto-3



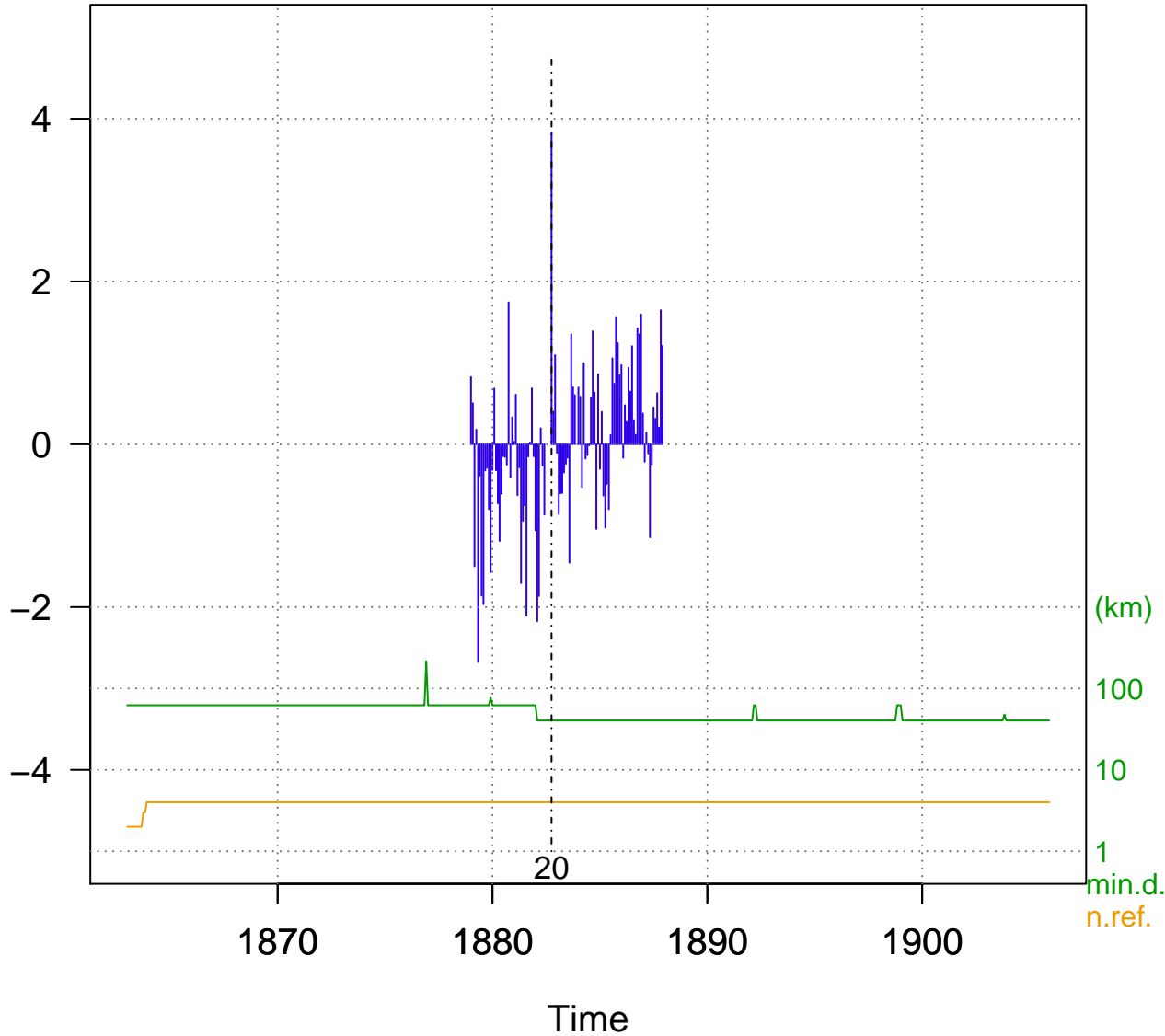
RH 34 (Porto-4) Porto-4



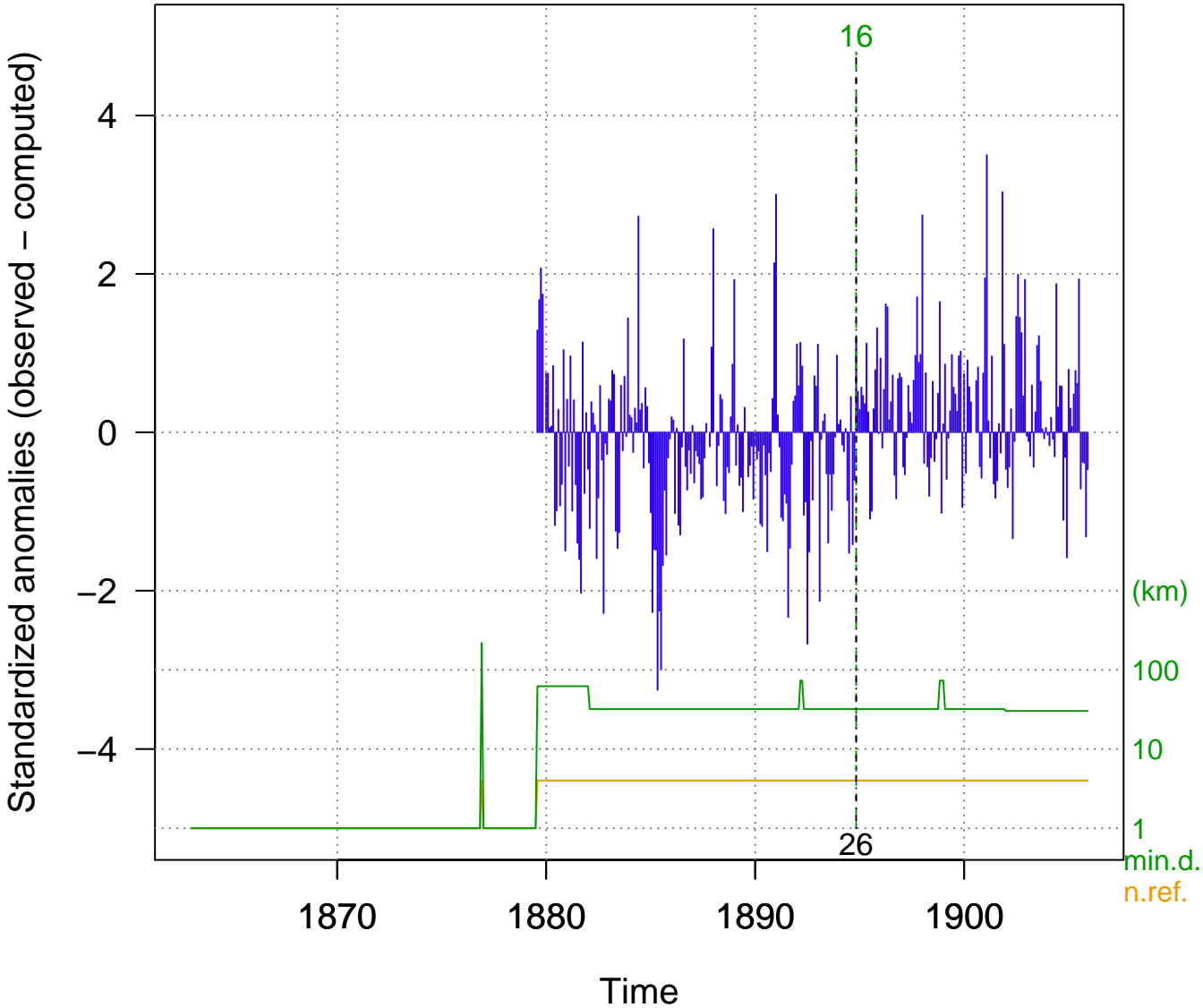
RH 4 (Vizeu)

Vizeu

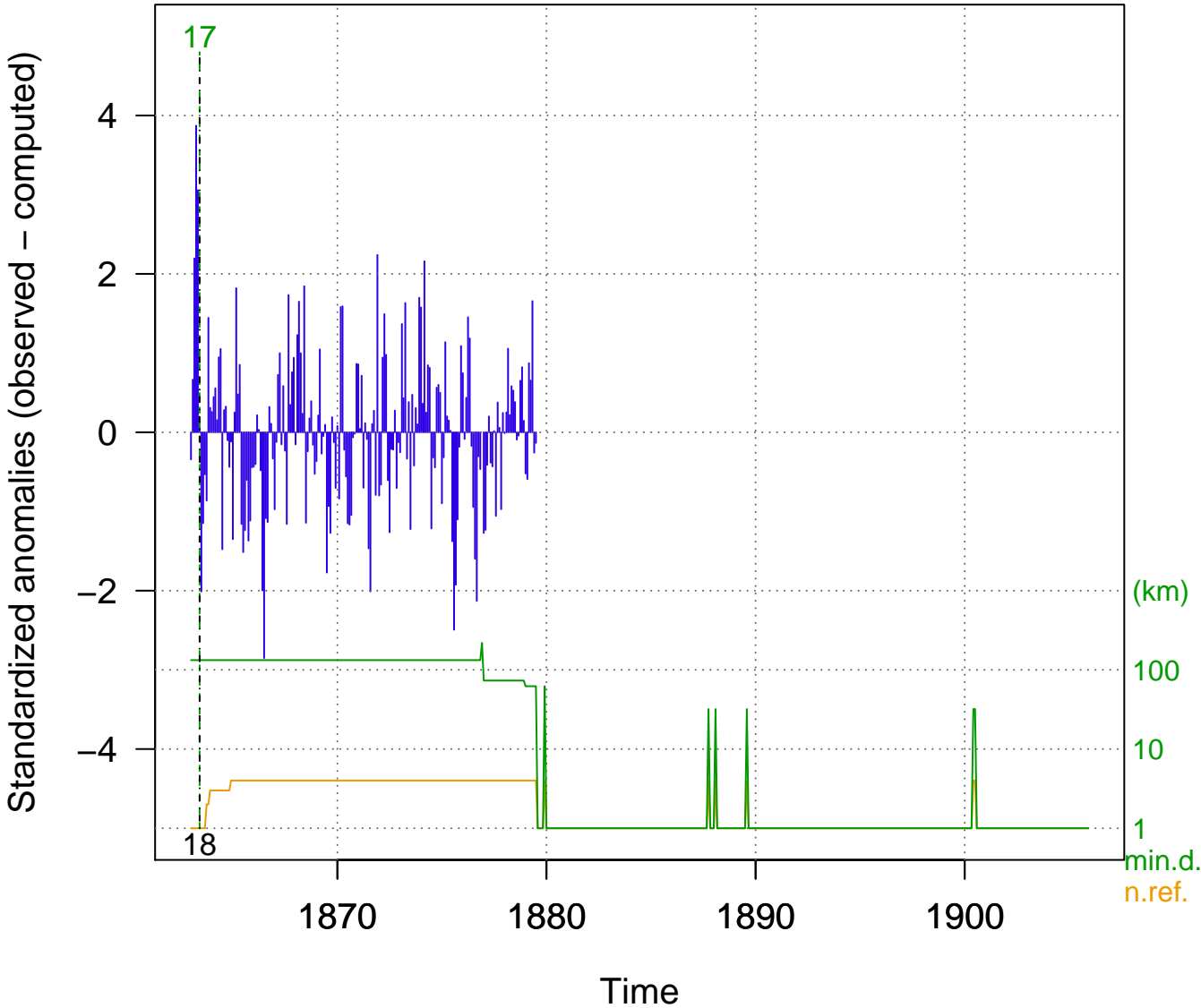
Standardized anomalies (observed - computed)



RH 5 (Guarda) Guarda

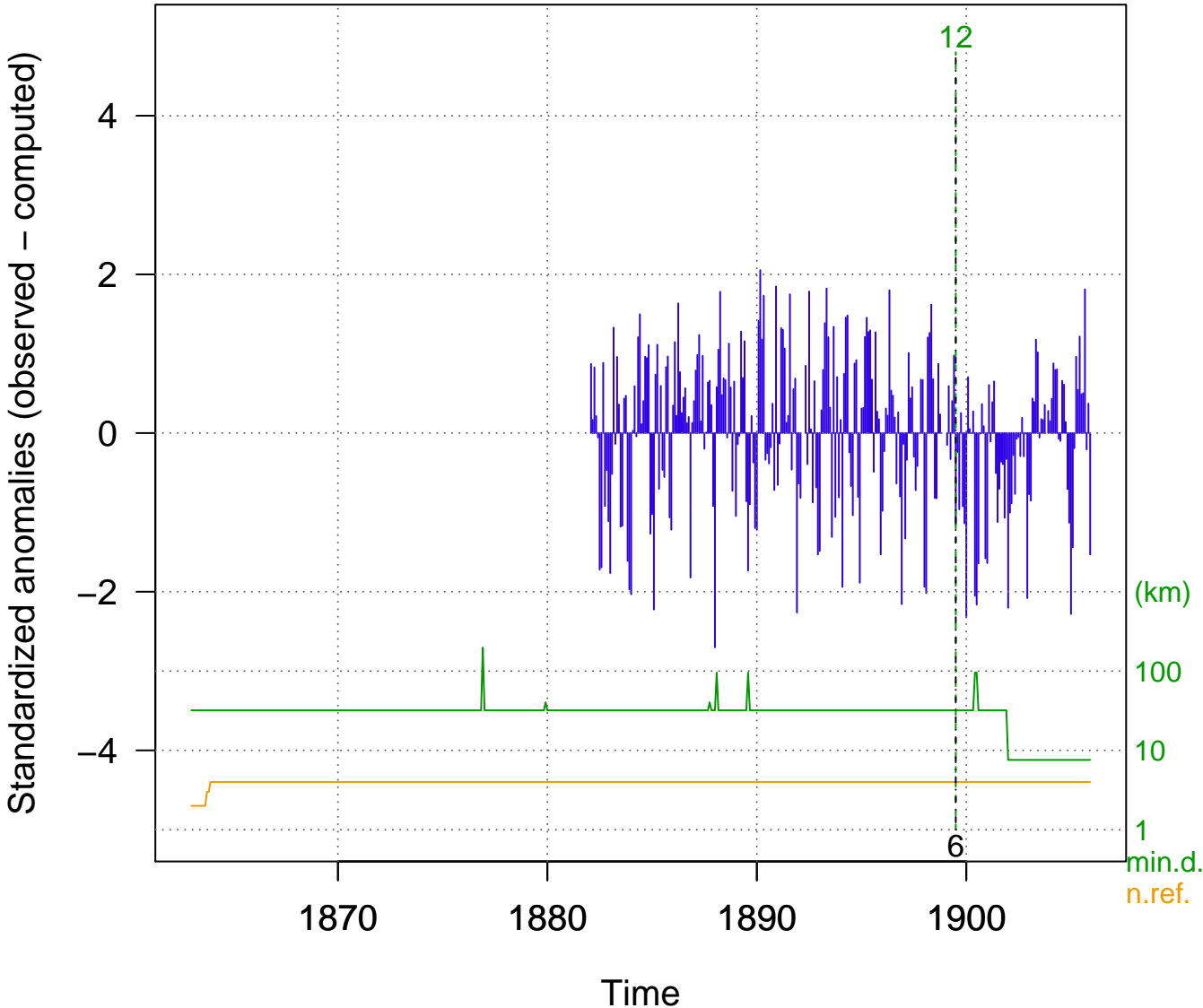


RH 23 (Guarda-2) Guarda-2



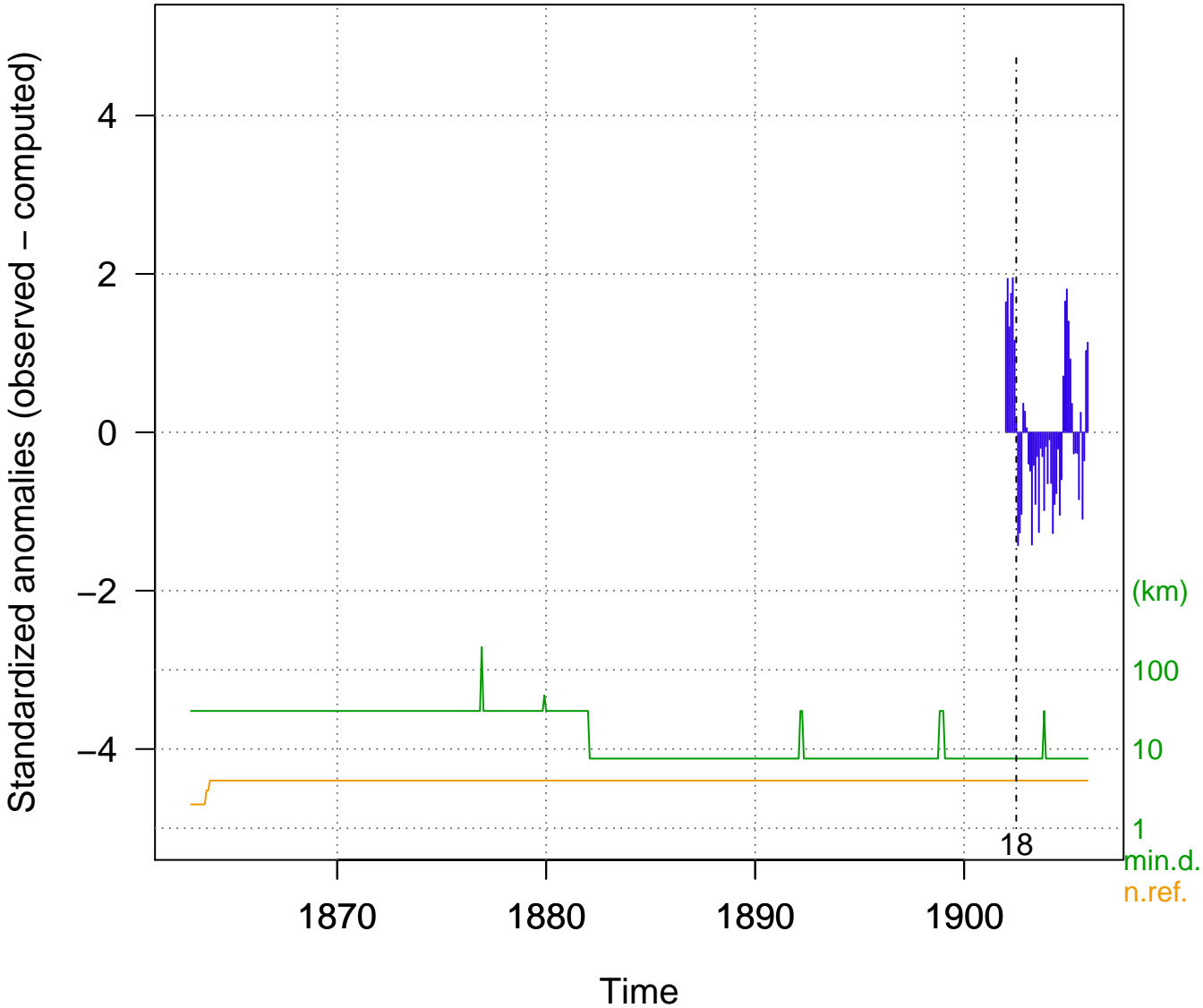
RH 6 (Serra_da_Estrella)

Serra da Estrella

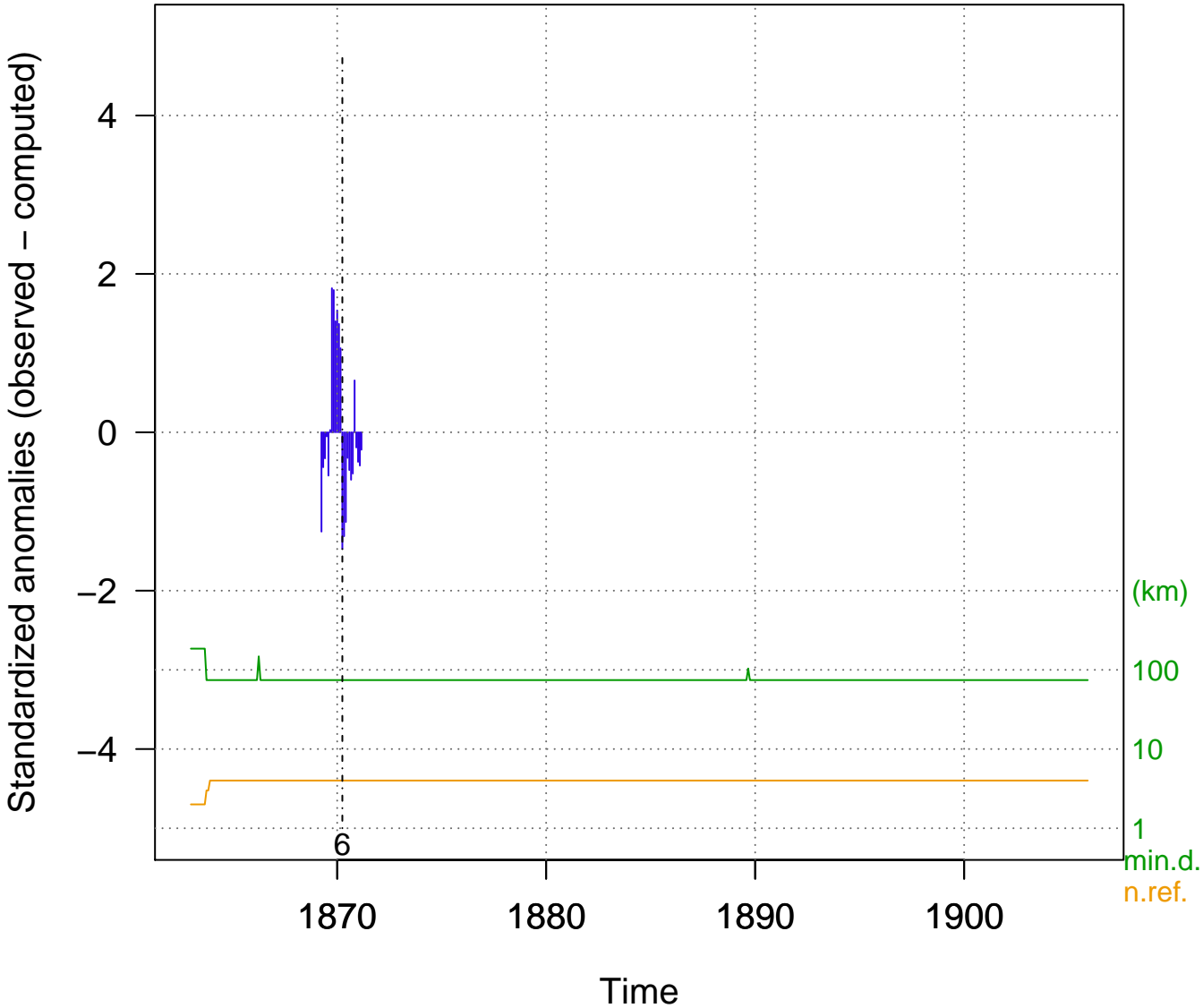


RH 7 (S._Fiel)

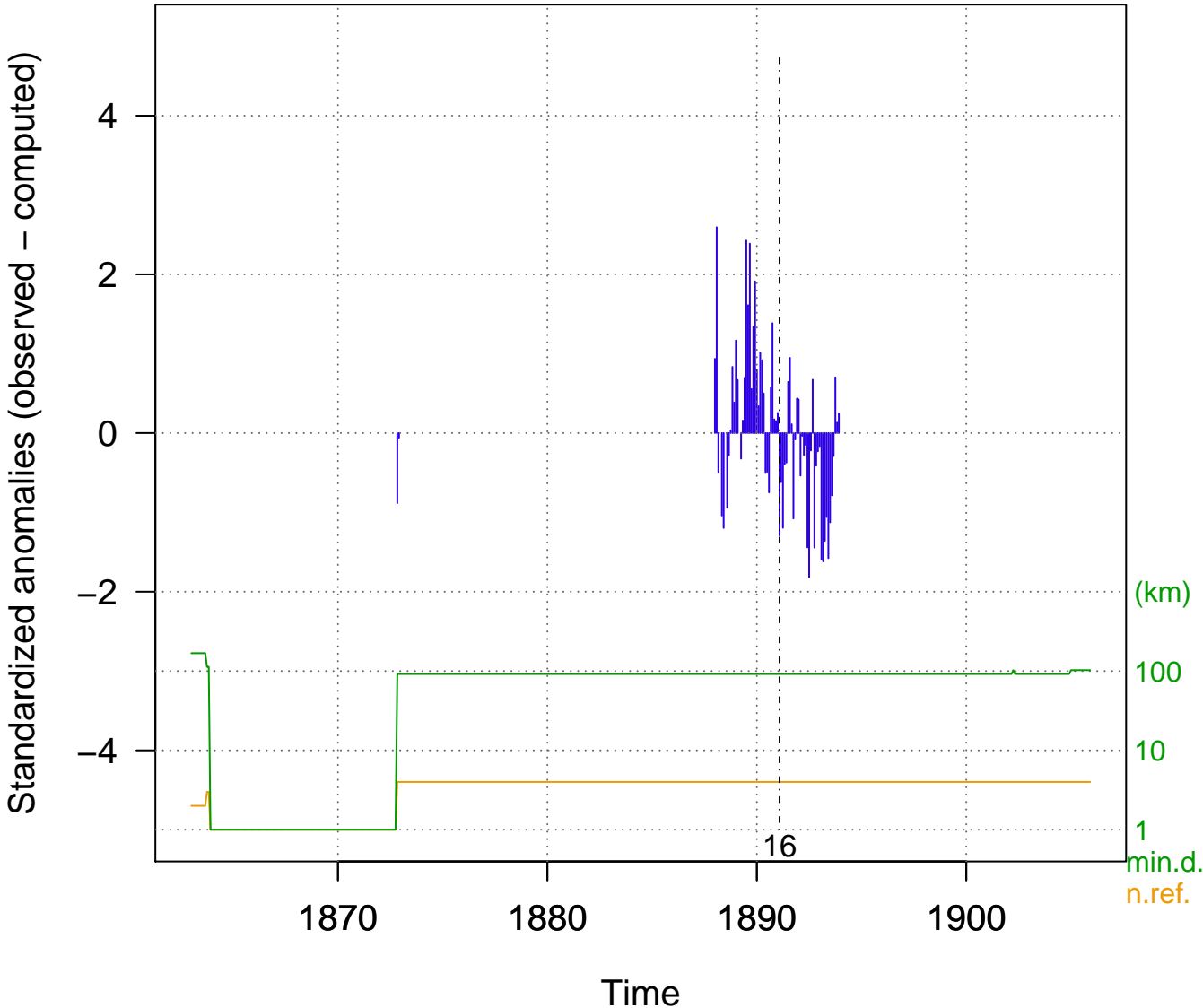
S. Fiel



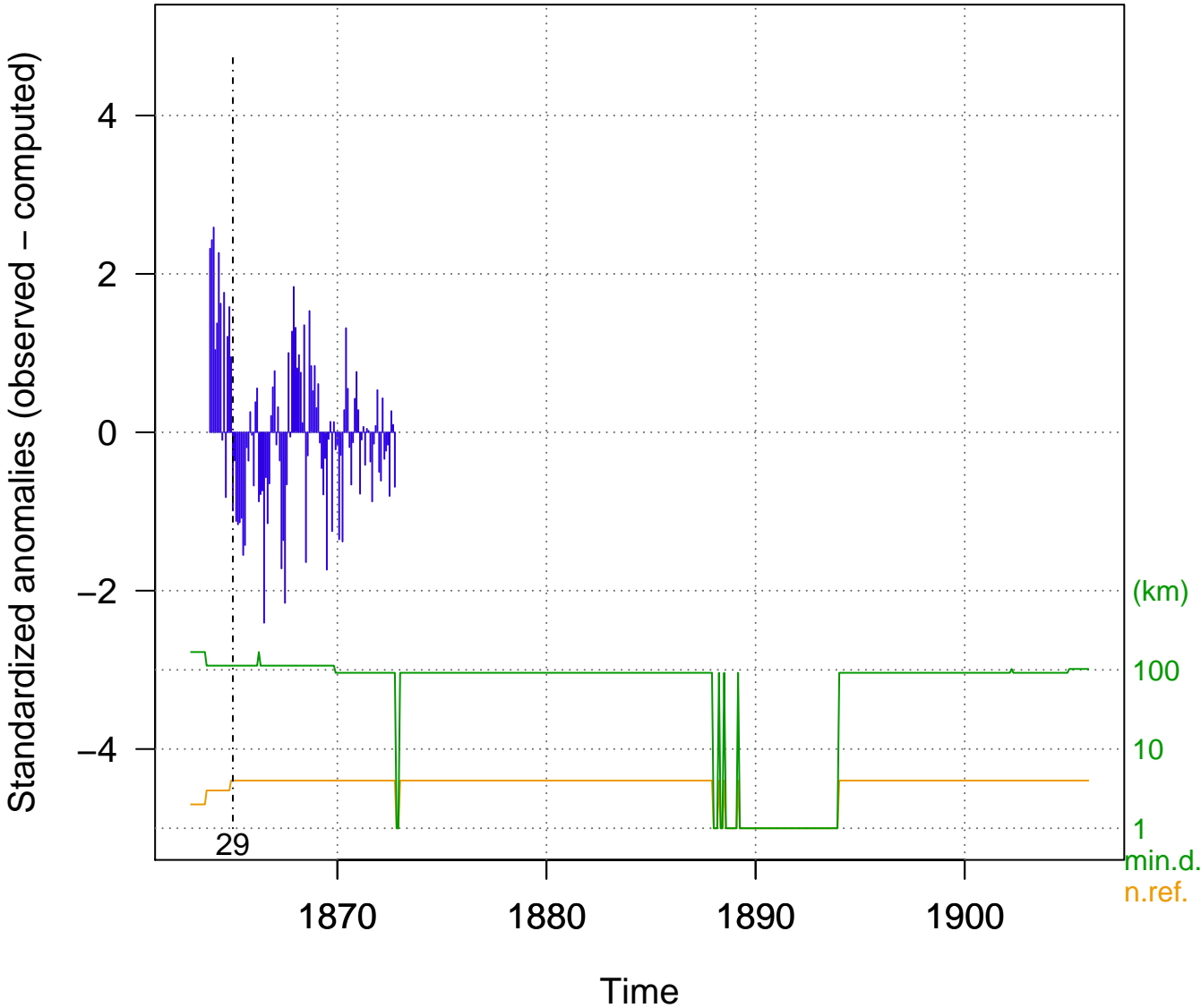
RH 8 (Alcanhoes) Alcanhoes



RH 9 (Campo_Maior) Campo Maior

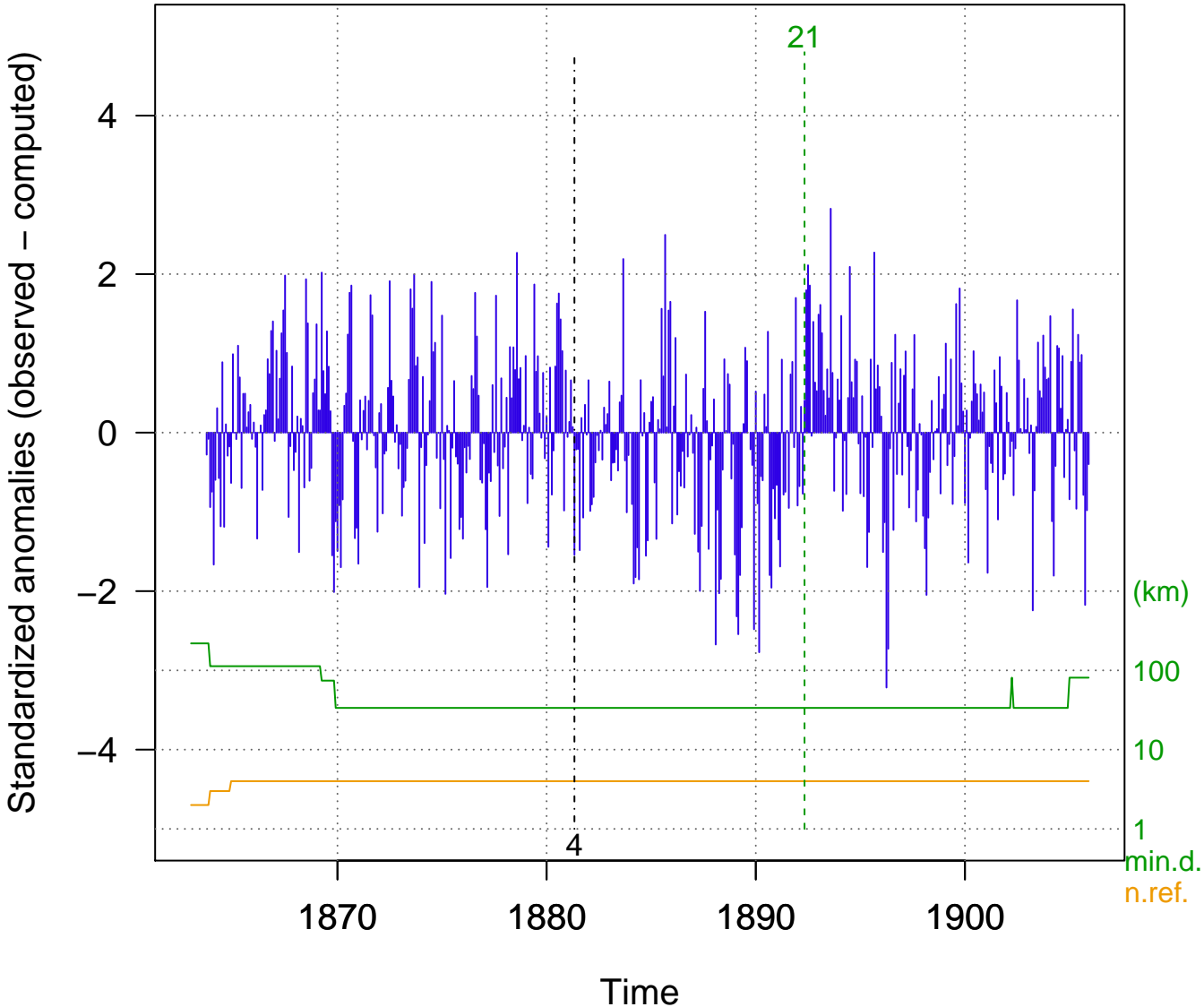


RH 35 (Campo_Maior-2) Campo Maior-2



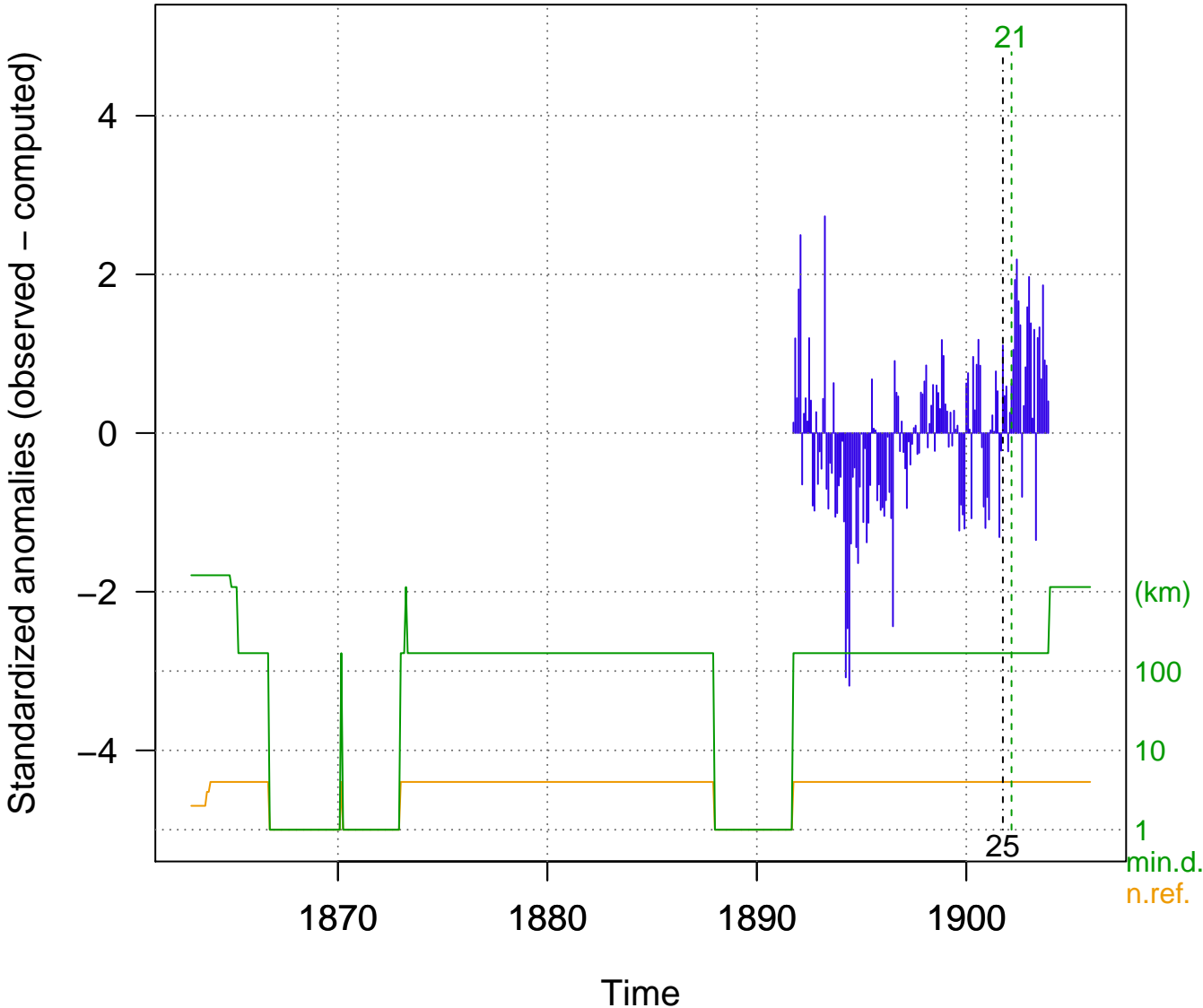
RH 10 (Infante_D_Luiz)

Lisbon Infante D. Luiz

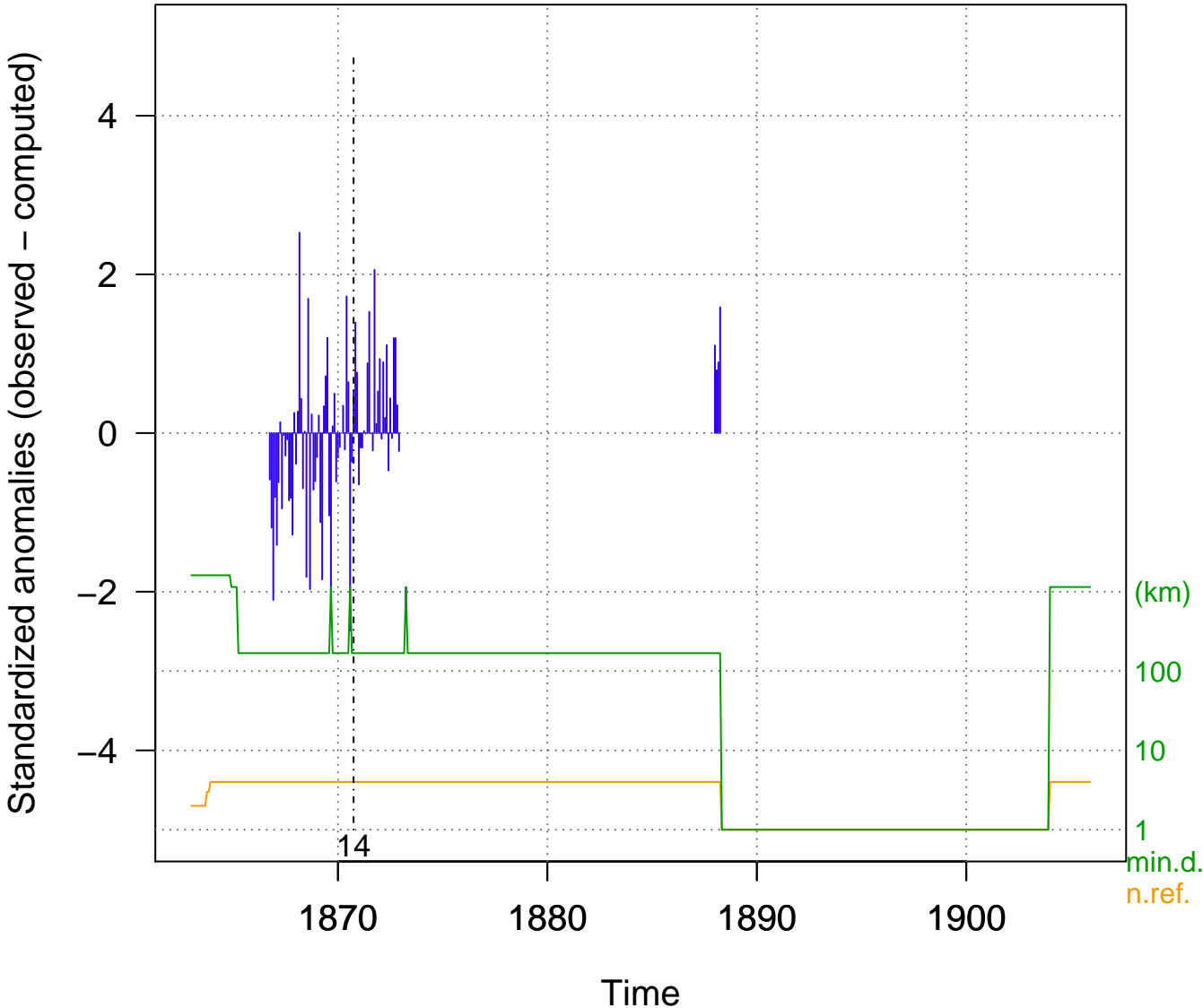


RH 11 (Angra_do_Heroismo)

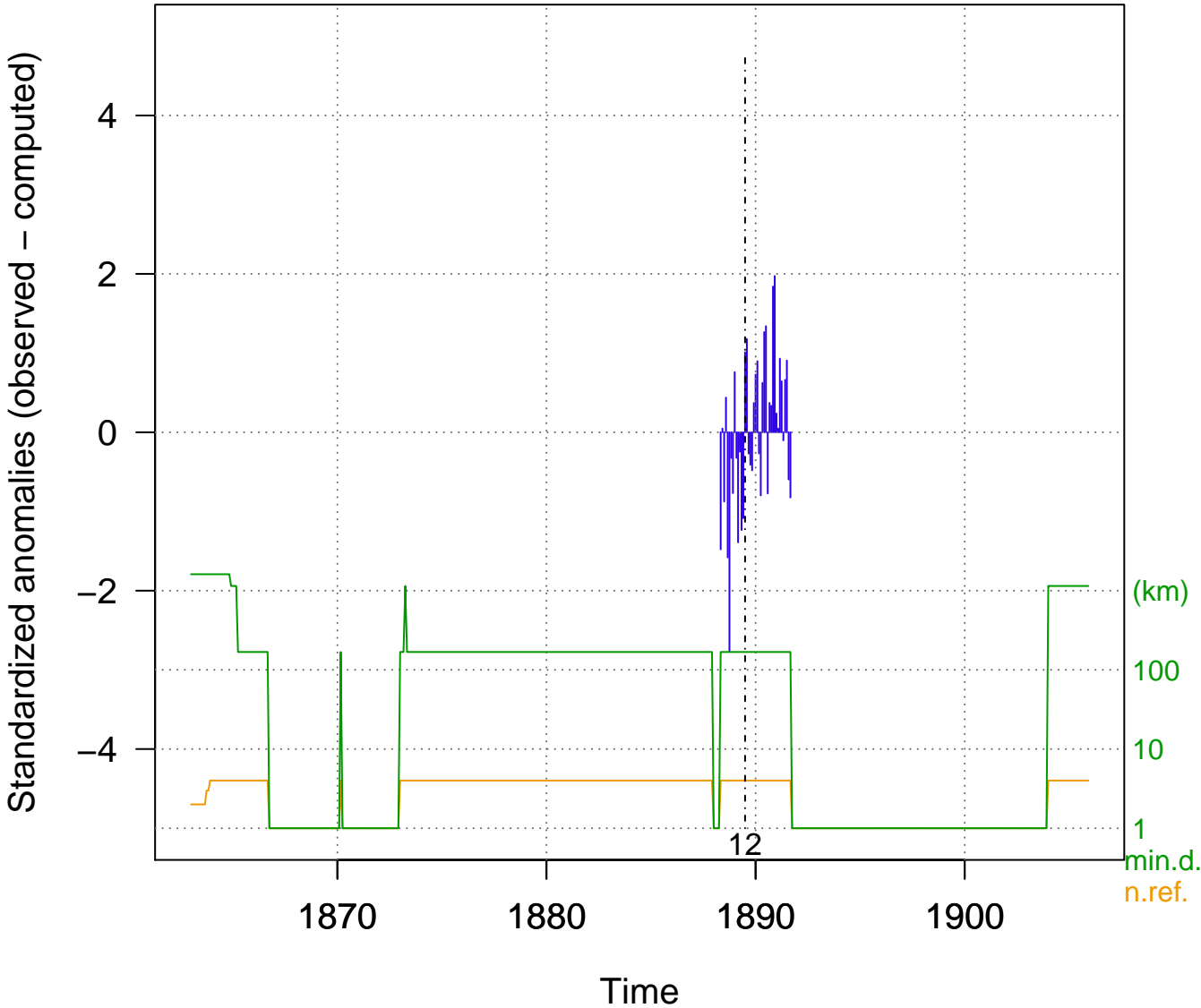
Angra do Heroismo



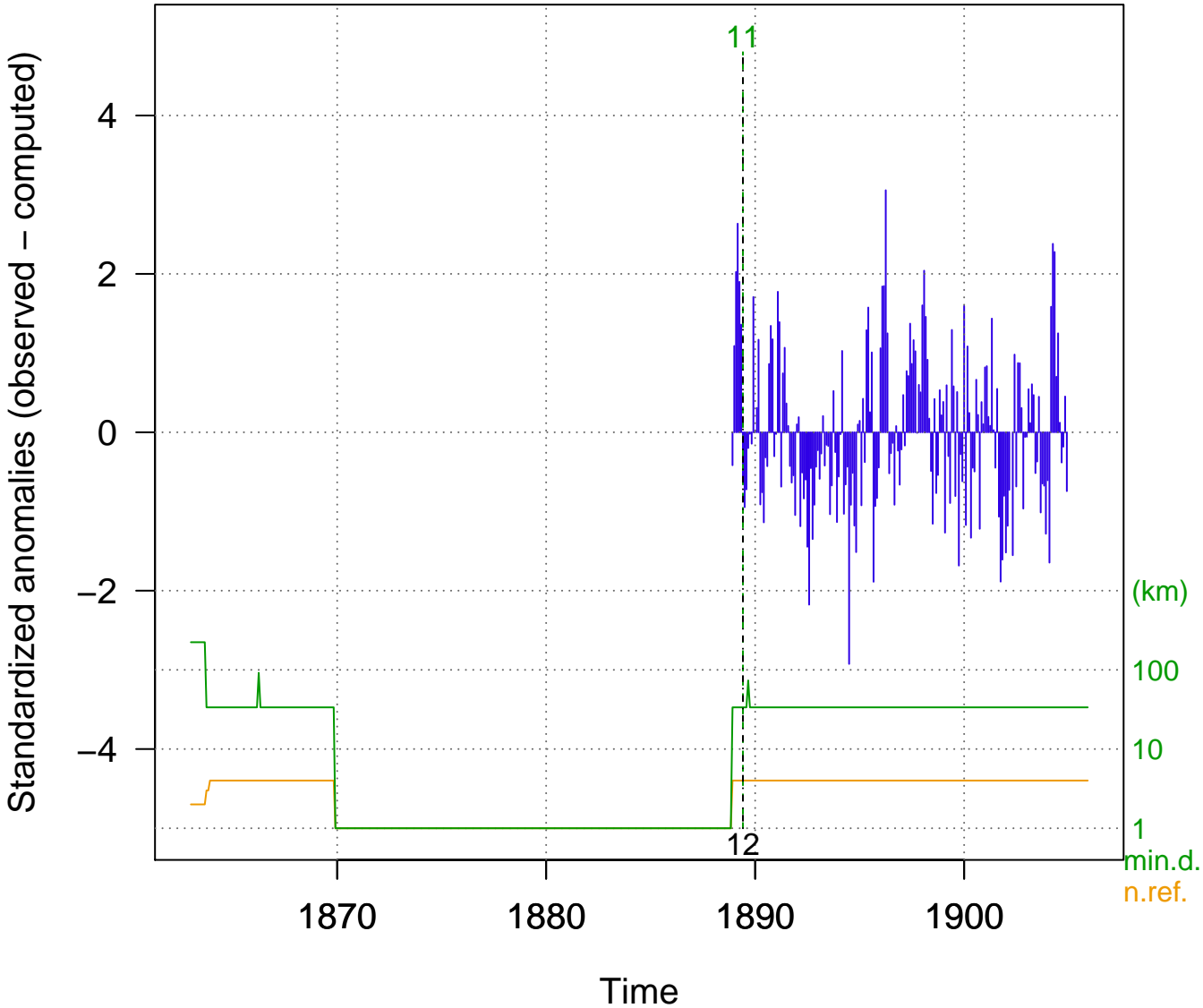
RH 27 (Angra_do_Heroismo-2)
Angra do Heroismo-2



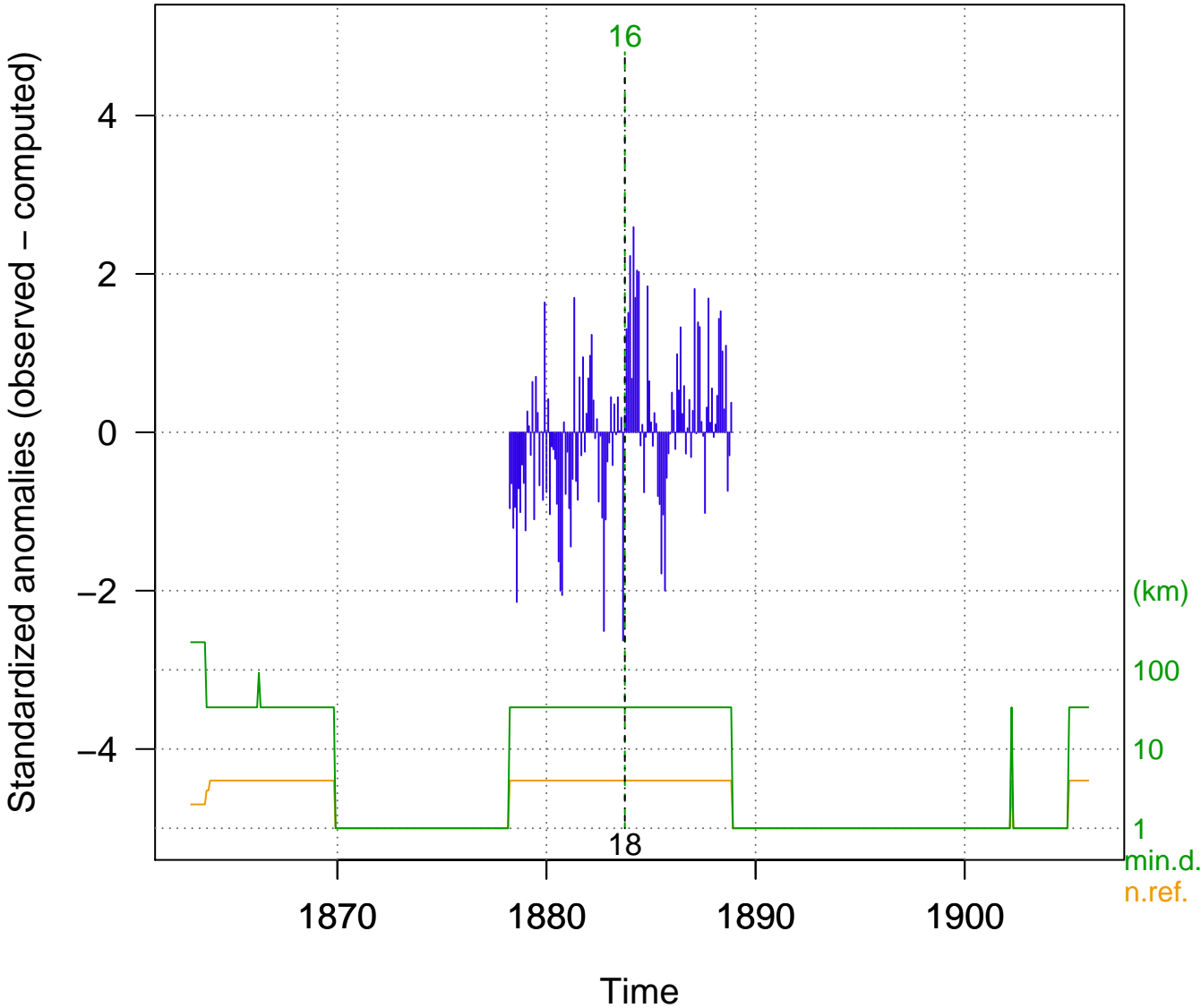
RH 29 (Angra_do_Heroismo-3)
Angra do Heroismo-3



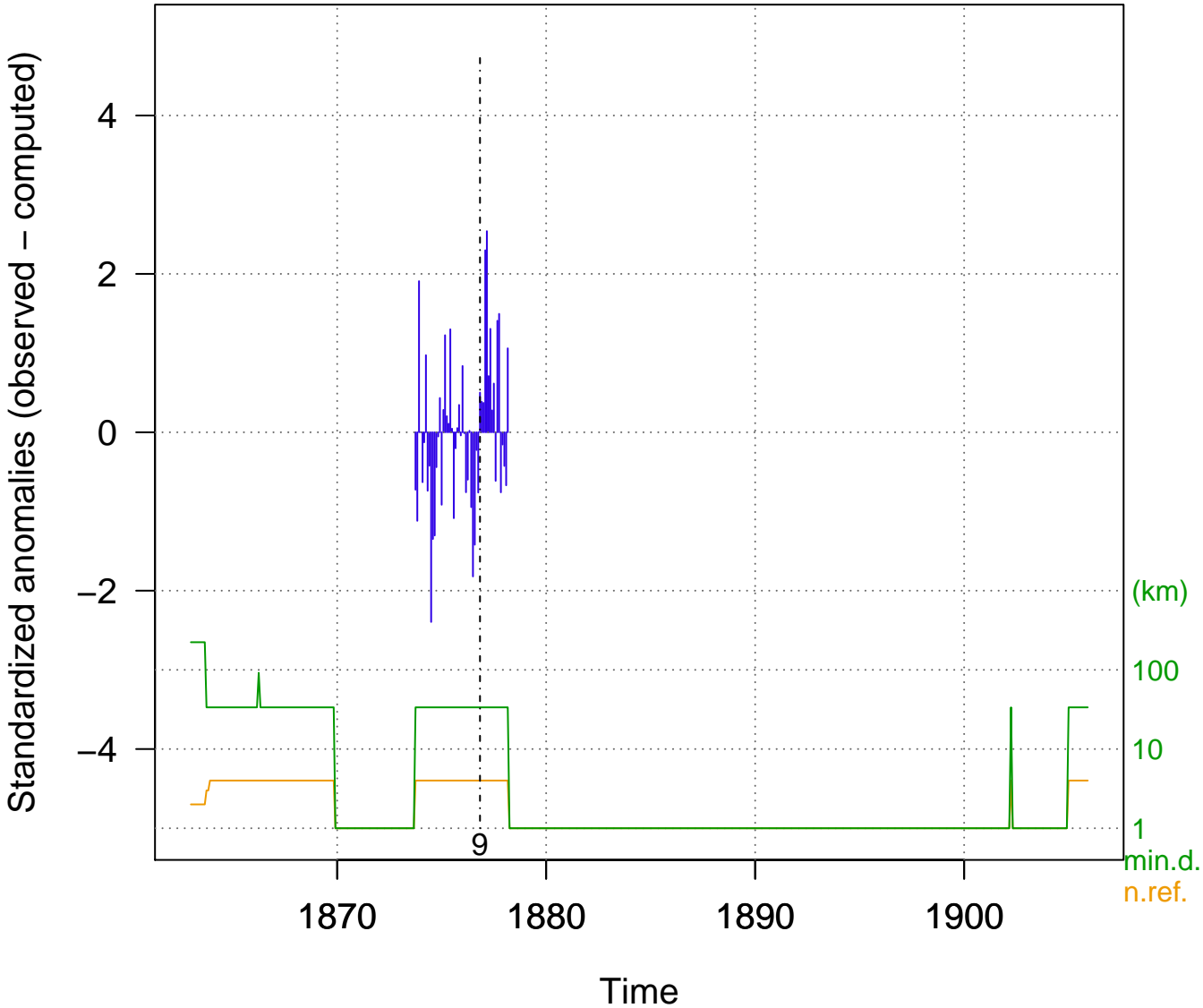
RH 12 (Evora) Evora



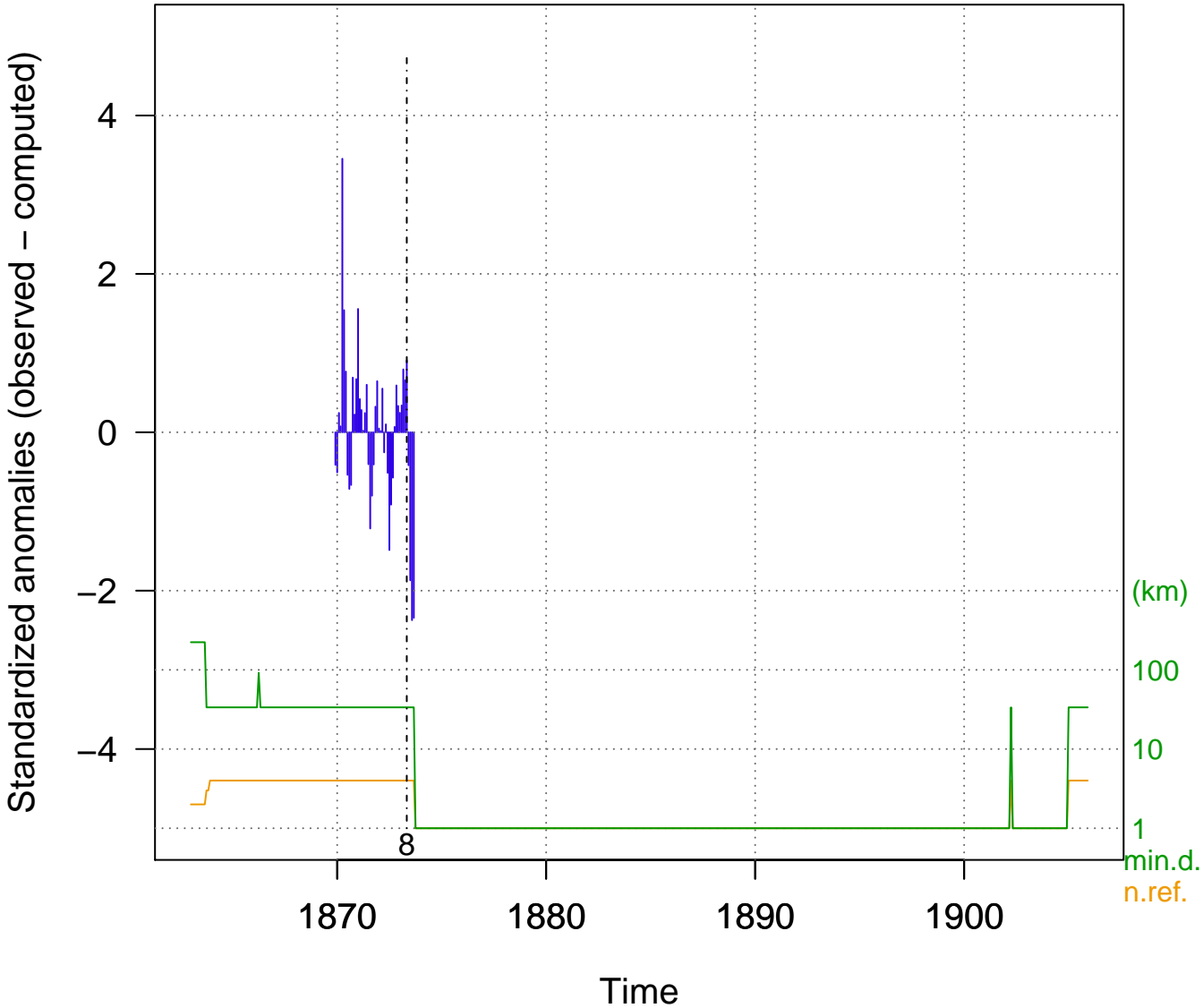
RH 30 (Evora-2) Evora-2



RH 36 (Evora-3) Evora-3

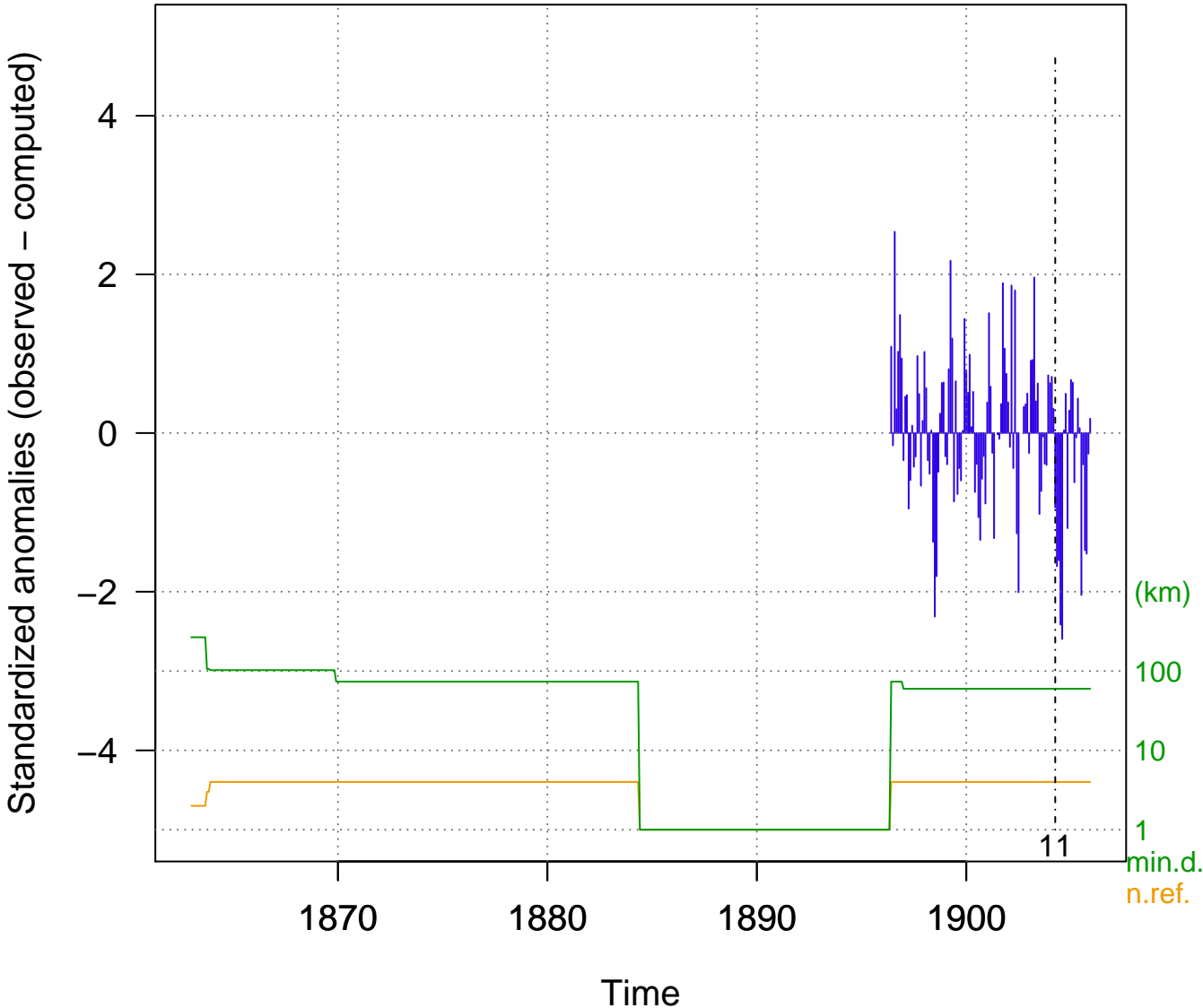


RH 39 (Evora-4) Evora-4



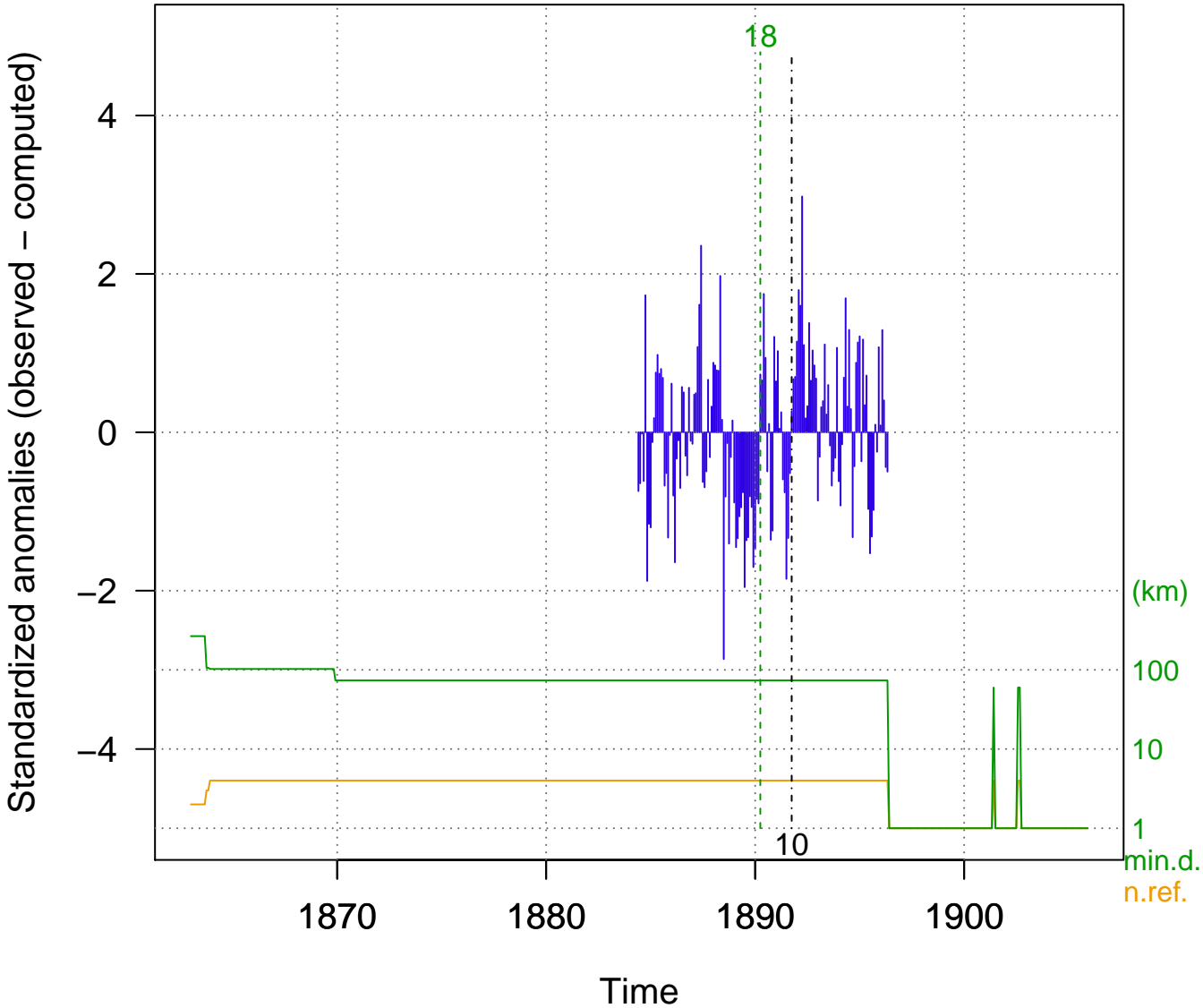
RH 13 (Villa_Fernando)

Villa Fernando

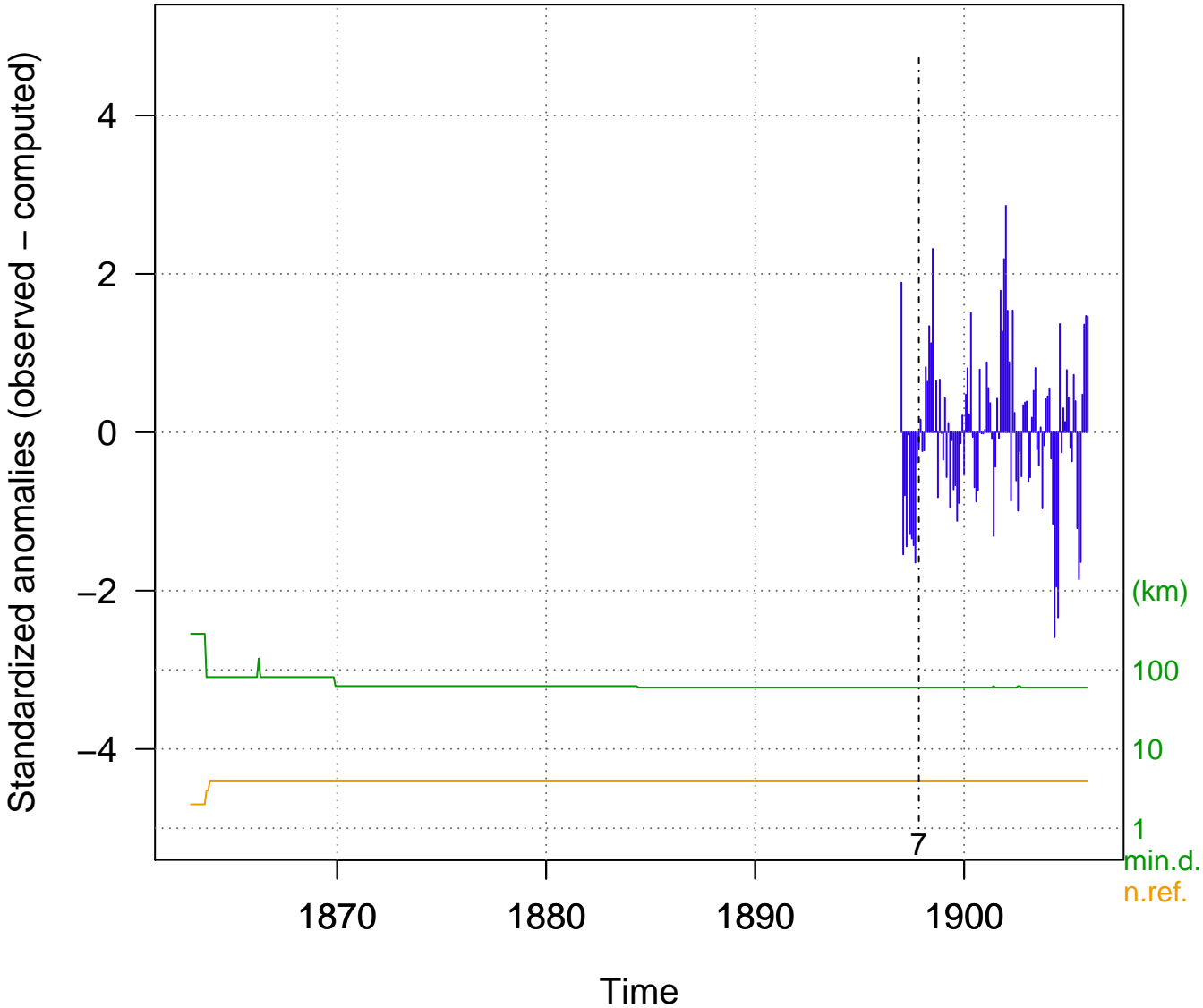


RH 40 (Villa_Fernando-2)

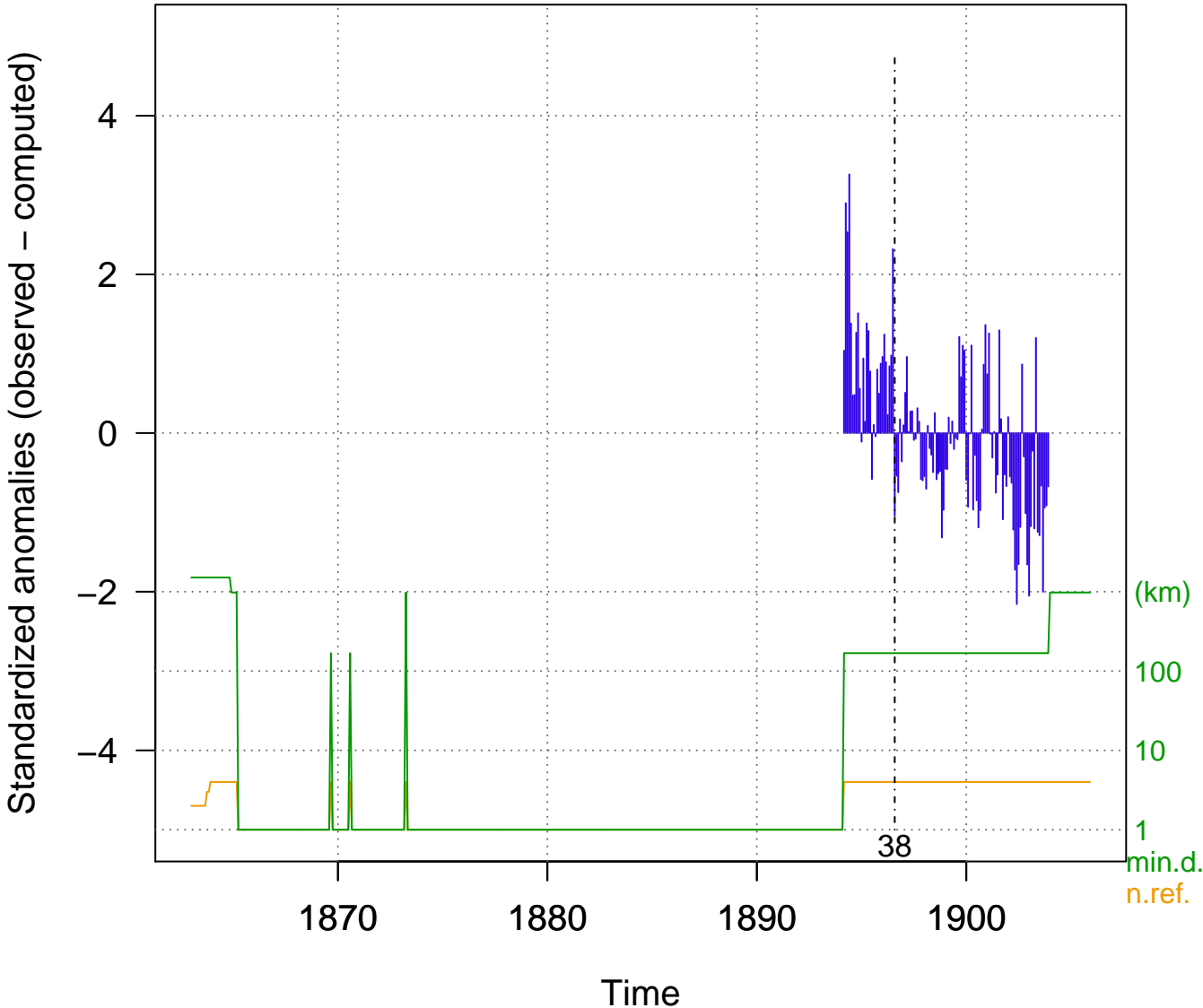
Villa Fernando-2



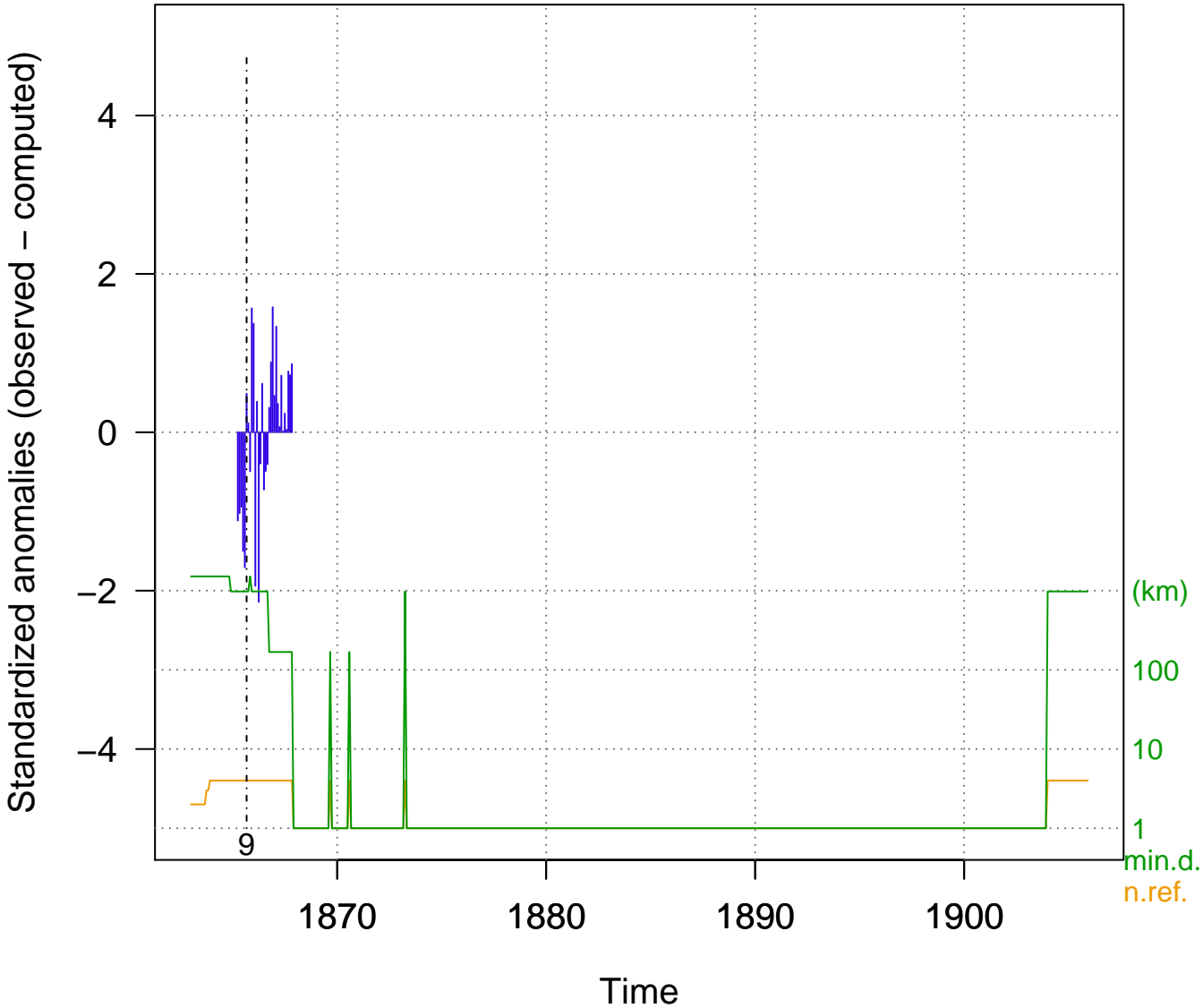
RH 14 (Beja) Beja



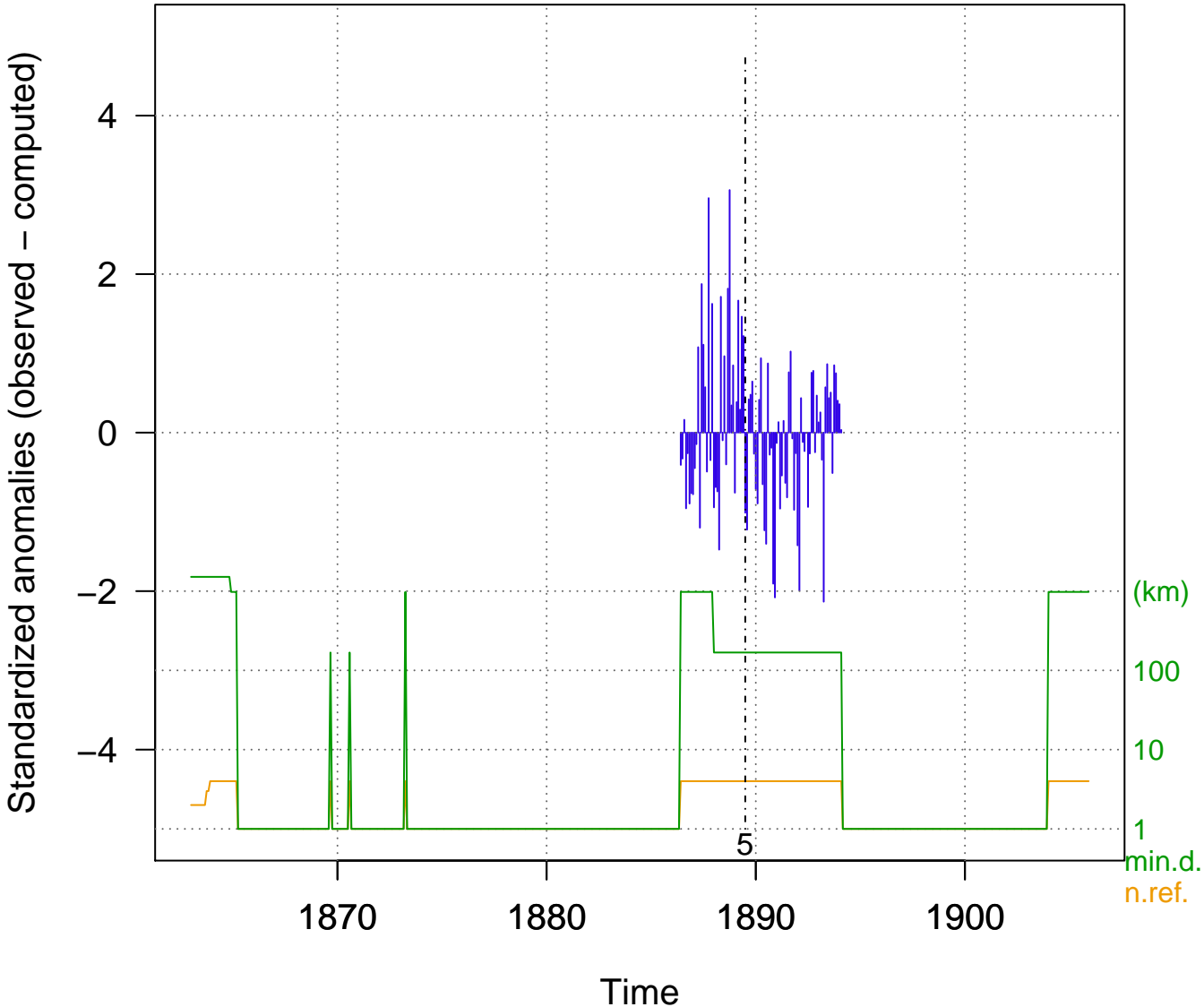
RH 15 (Ponta_Delgada) Ponta Delgada



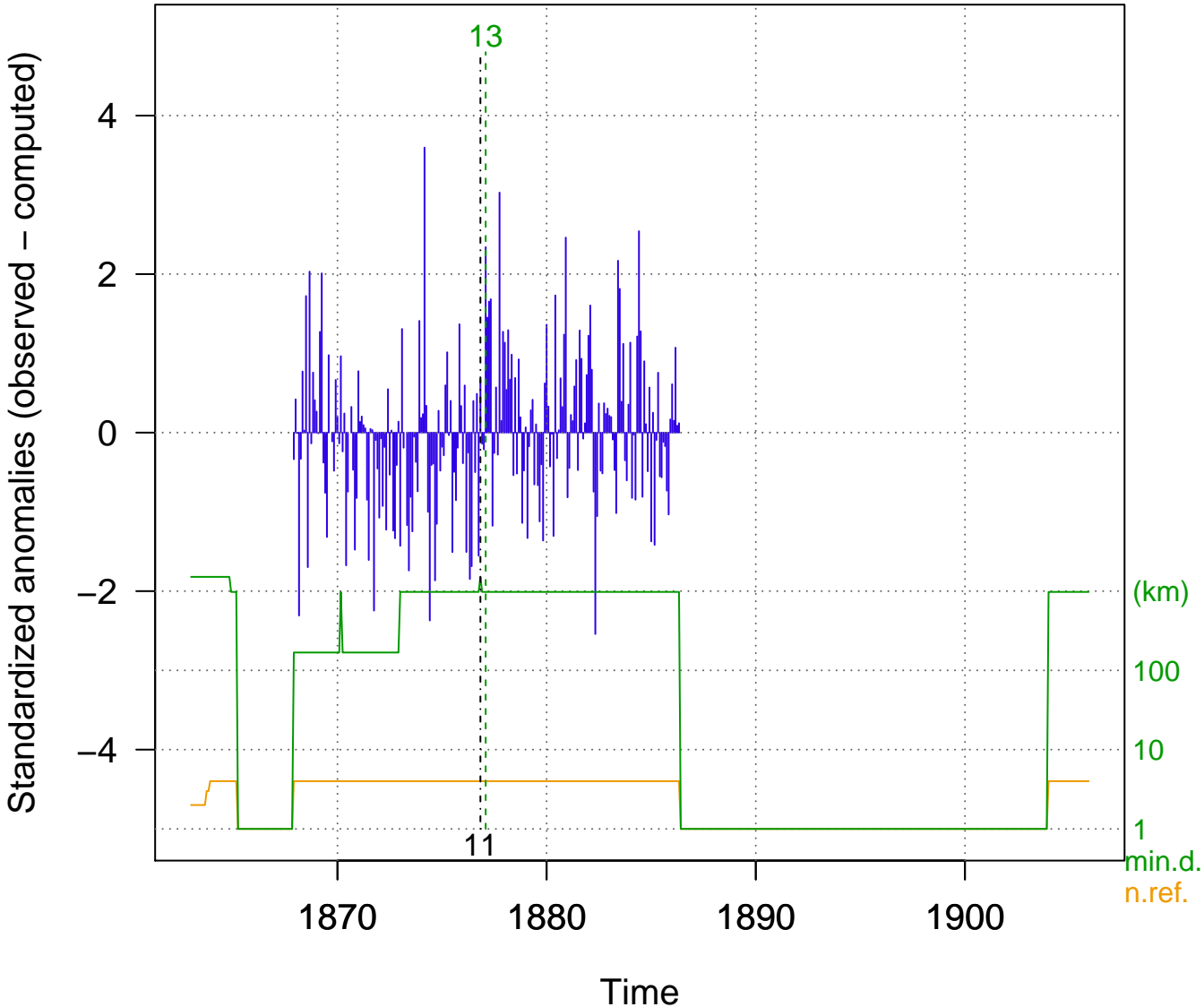
RH 24 (Ponta_Delgada-2) Ponta Delgada-2



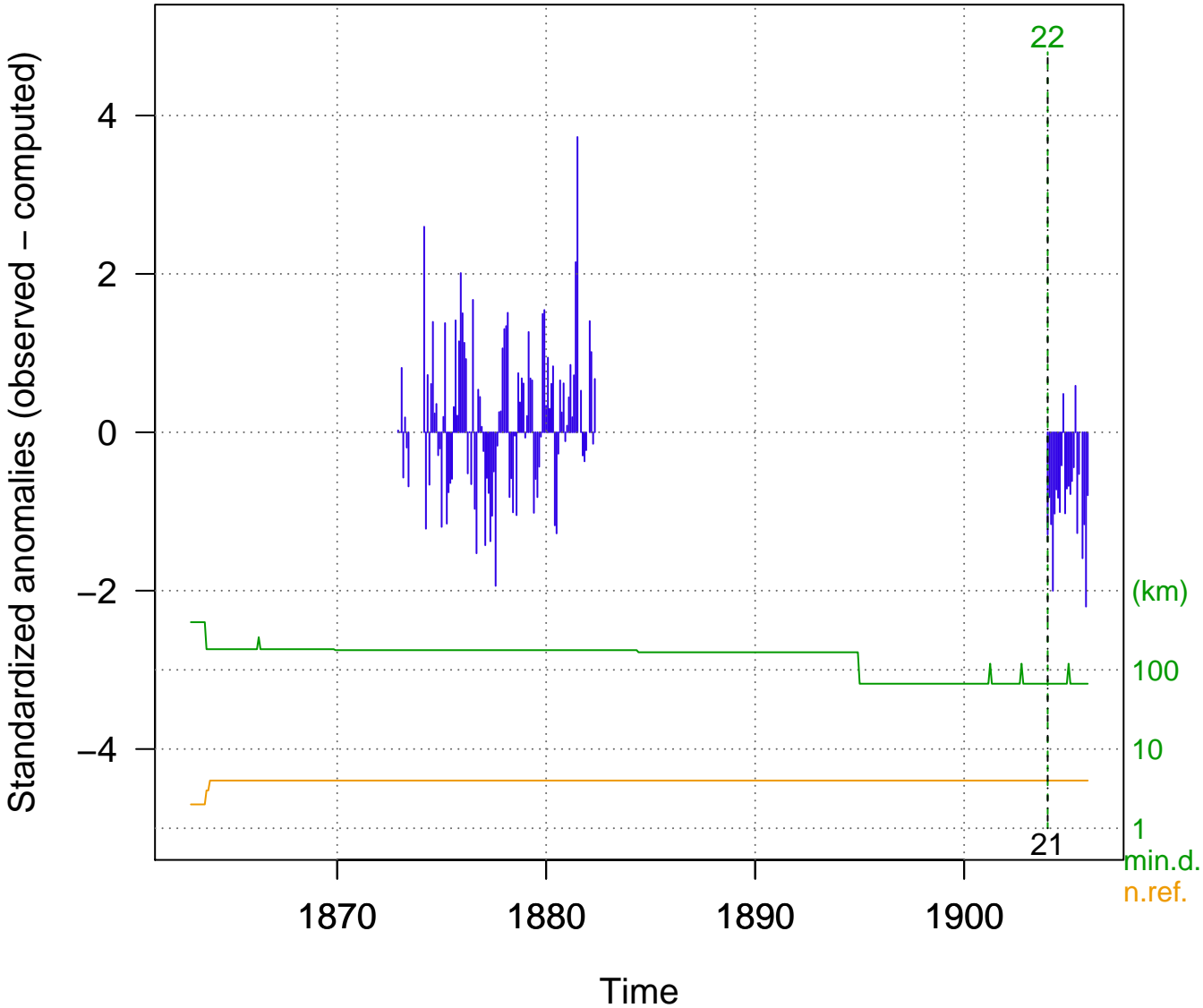
RH 33 (Ponta_Delgada-3) Ponta Delgada-3



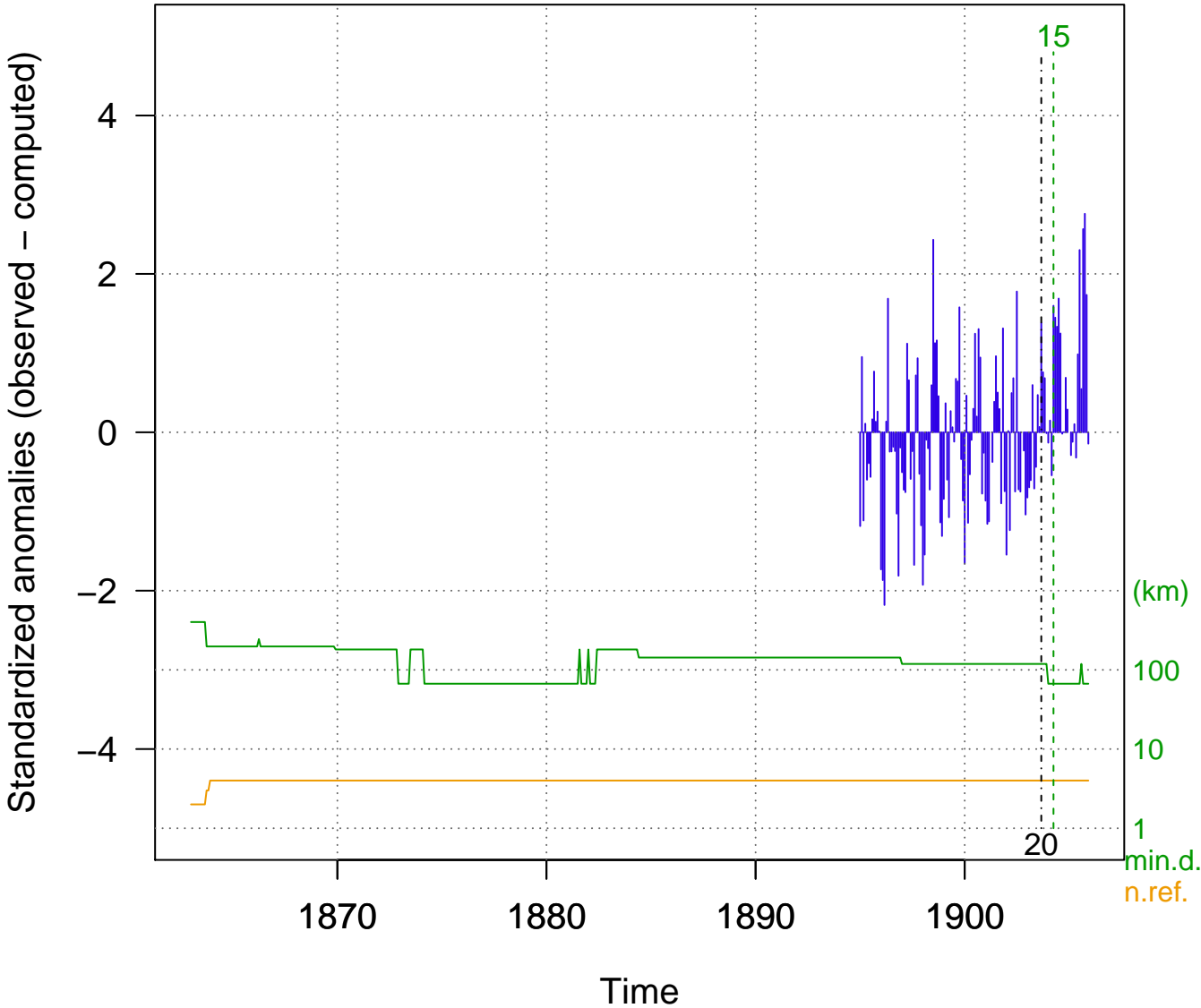
RH 38 (Ponta_Delgada-4) Ponta Delgada-4



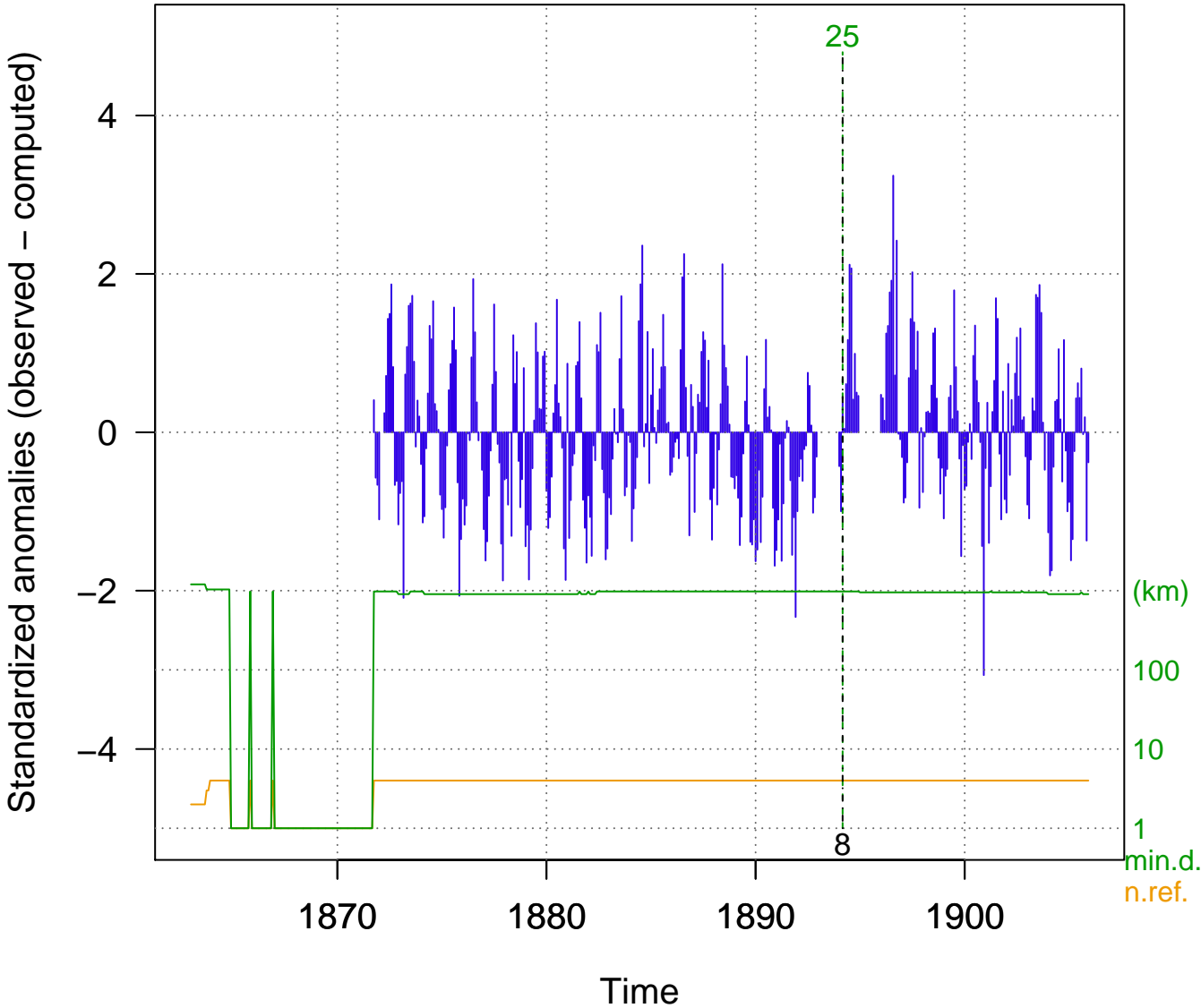
RH 16 (Lagos) Lagos



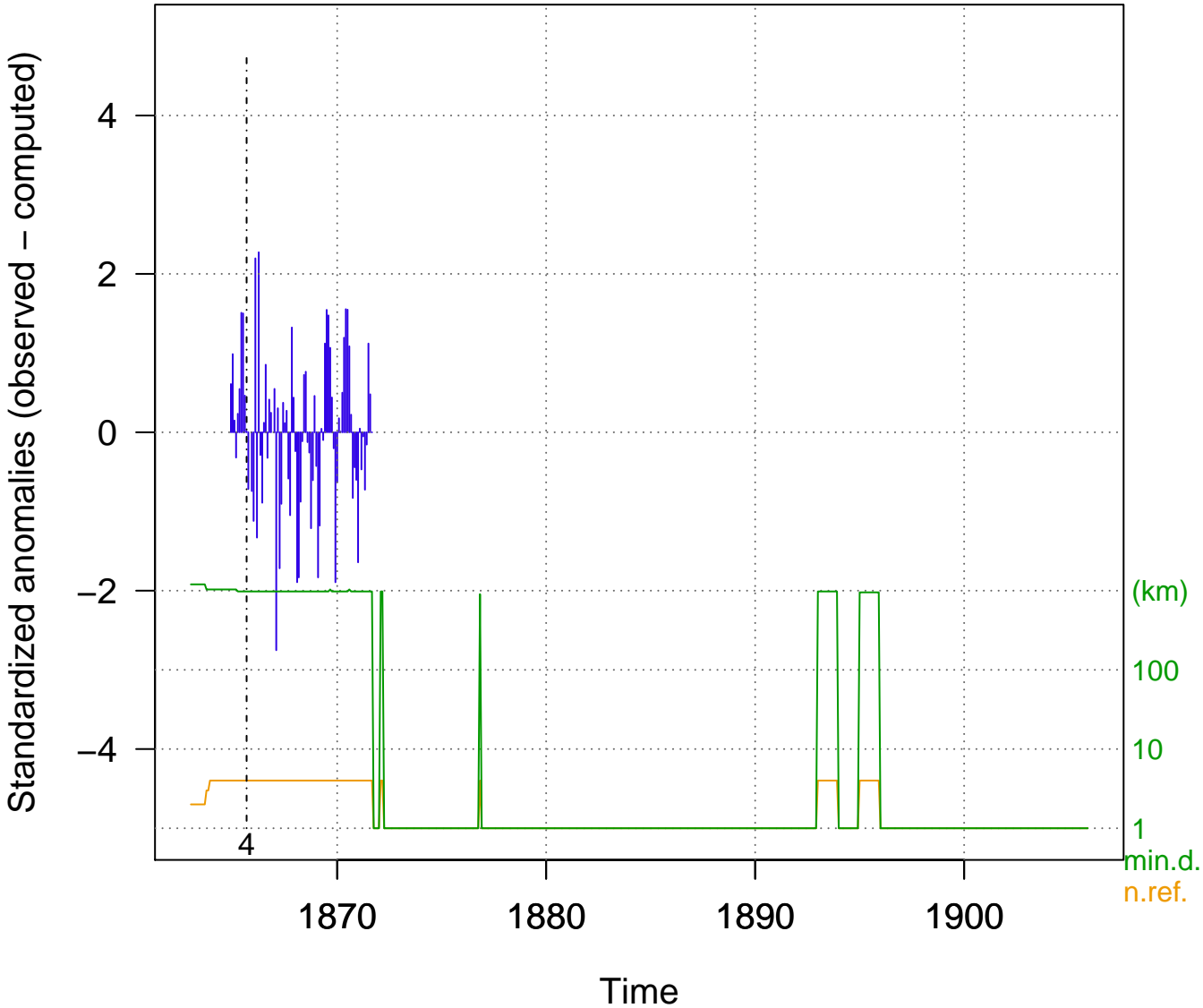
RH 17 (Faro) Faro



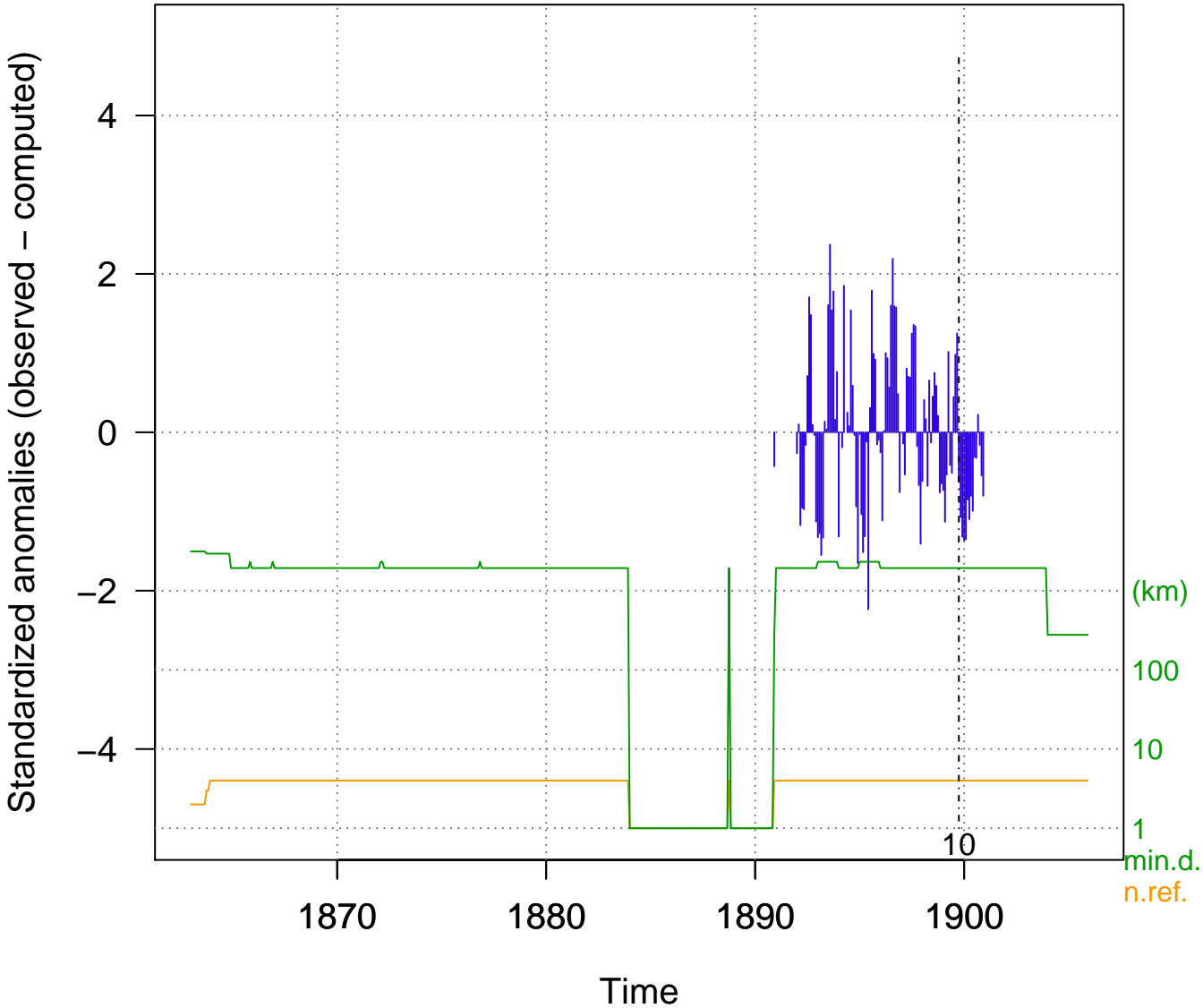
RH 18 (Funchal) Funchal



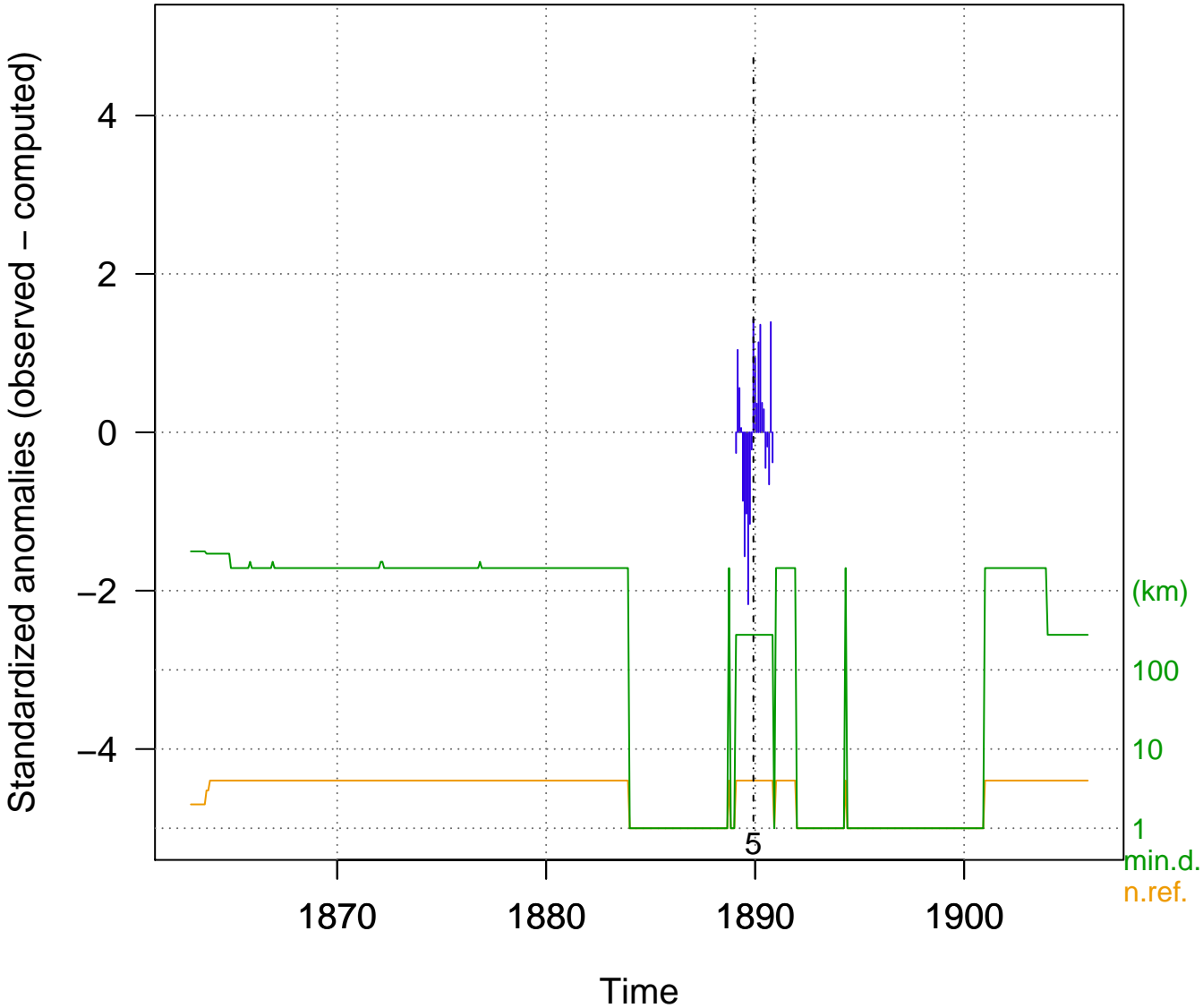
RH 37 (Funchal-2) Funchal-2



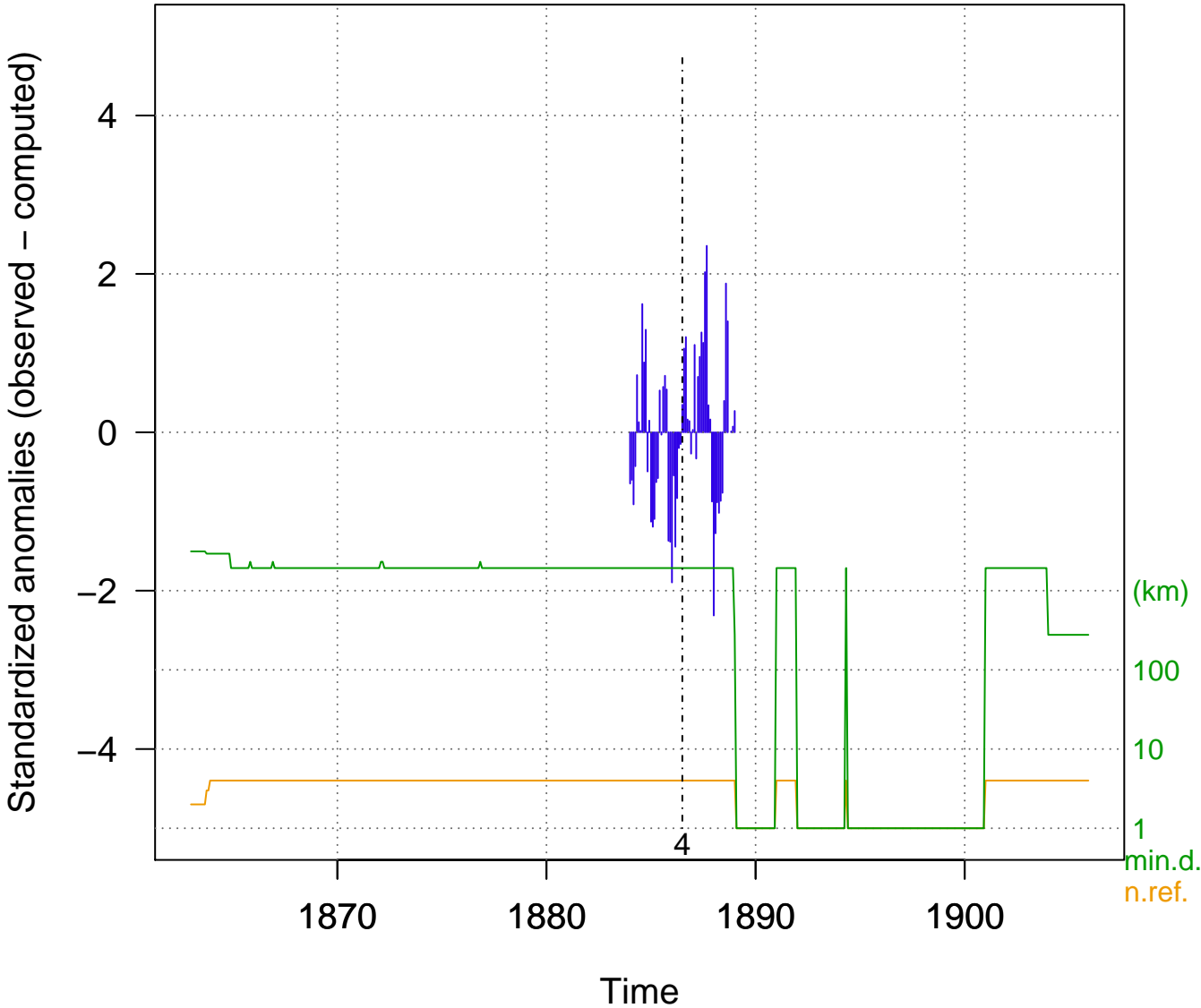
RH 19 (S._Vicente) S. Vicente



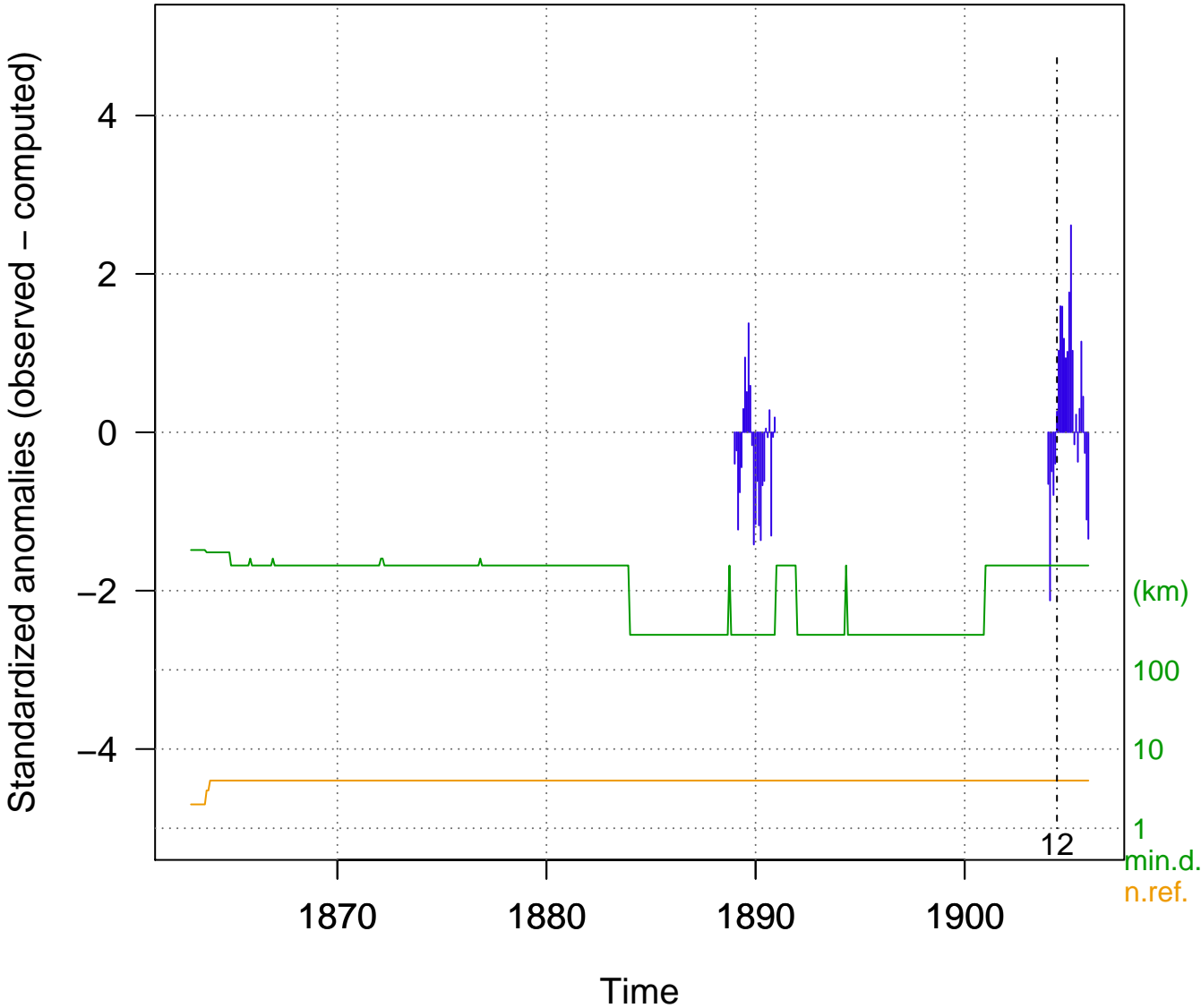
RH 31 (S._Vicente-2)
S. Vicente-2



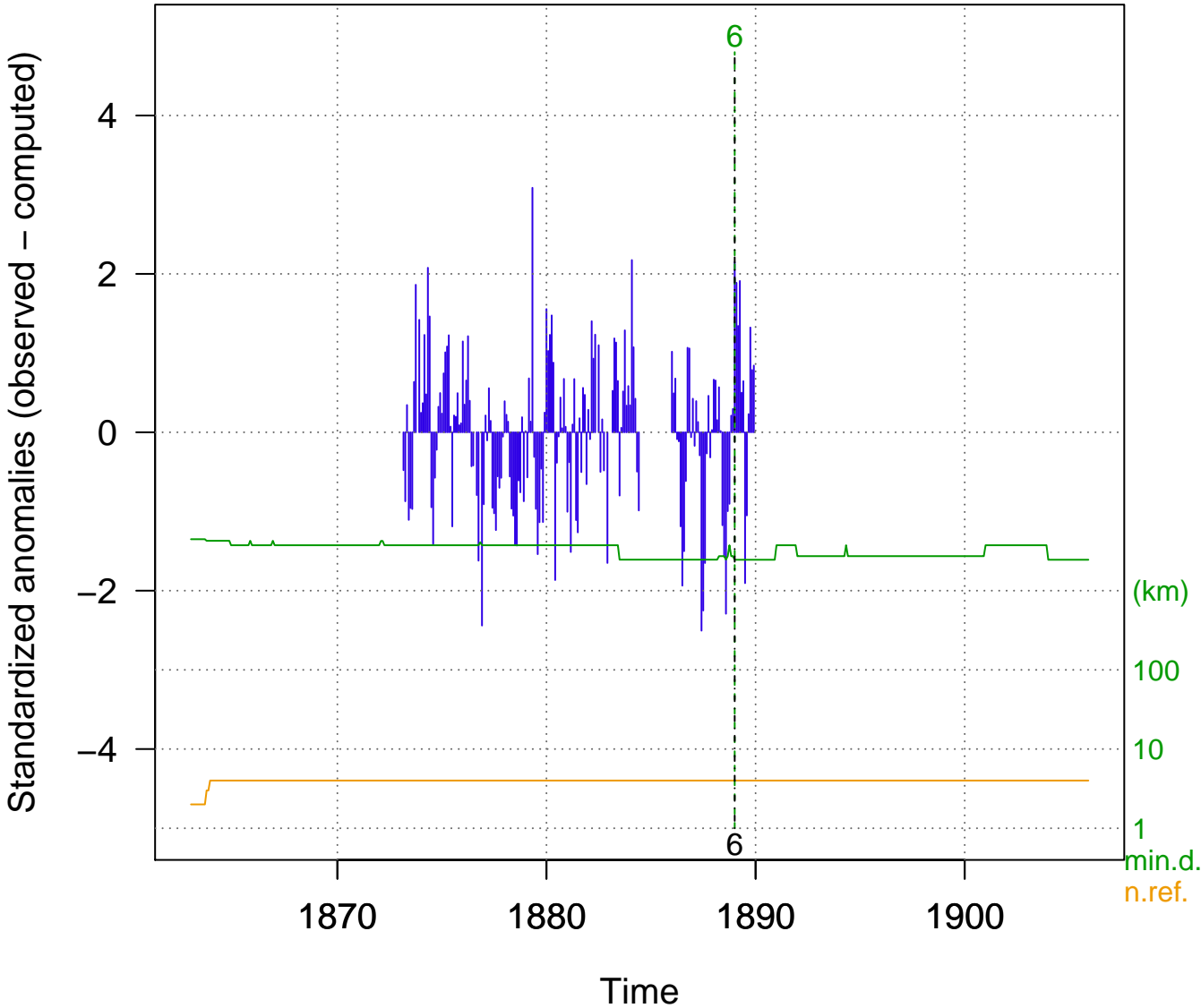
RH 41 (S._Vicente-3)
S. Vicente-3



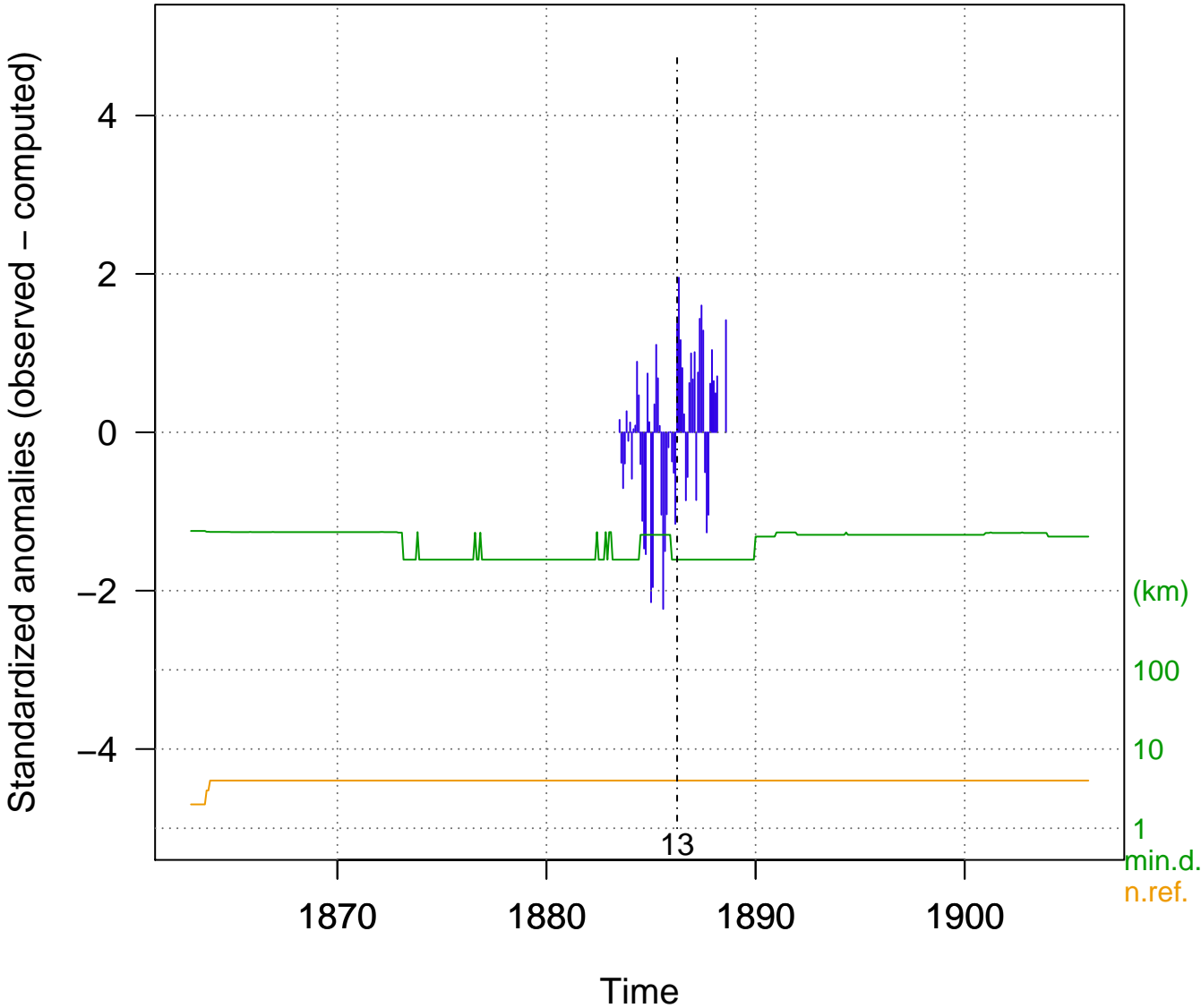
RH 20 (Cidade_da_Praia)
Cidade da Praia



RH 21 (S._Thome)
S. Thome



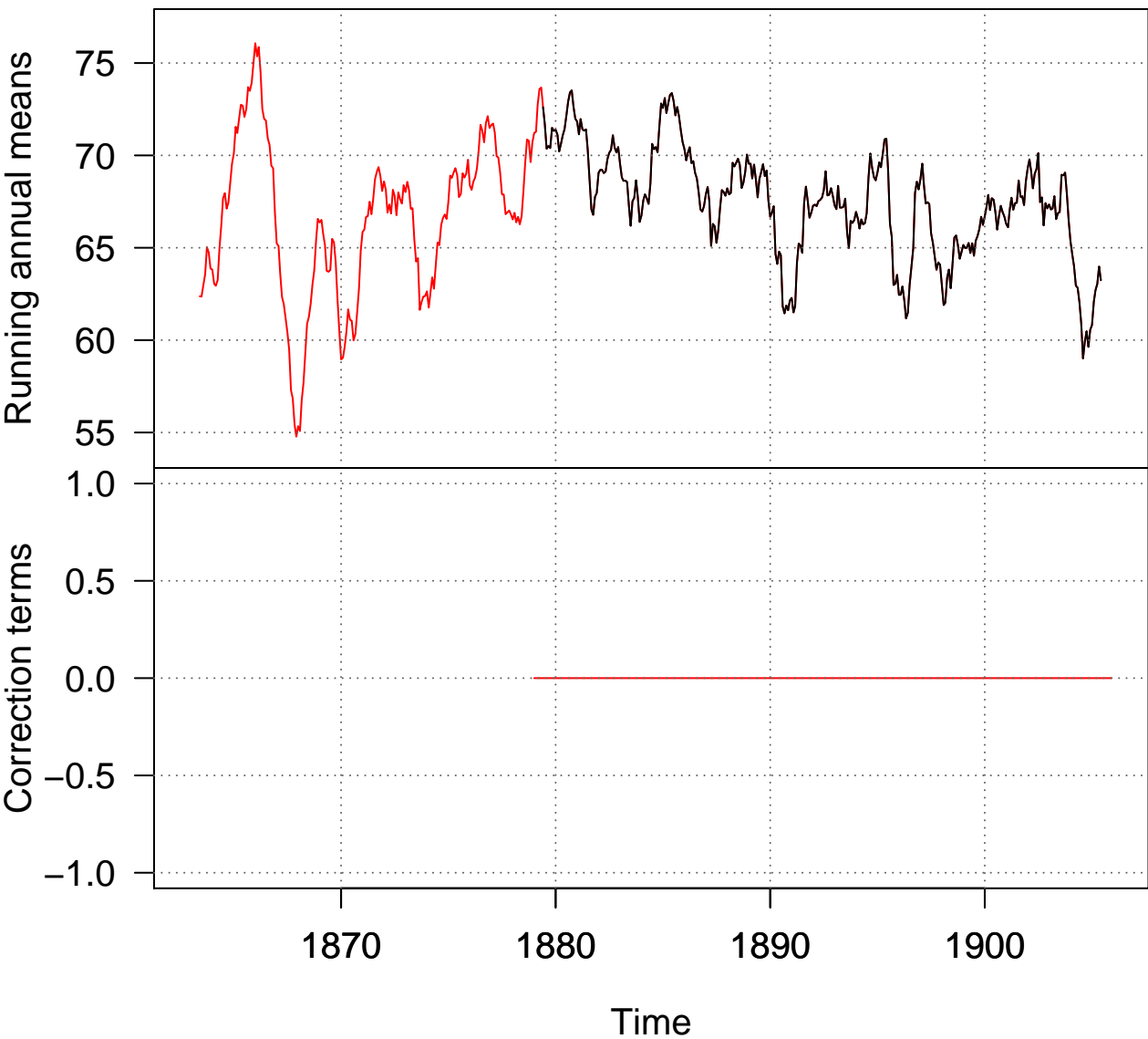
RH 22 (S._Salvador_do_Congo)
S. Salvador do Congo



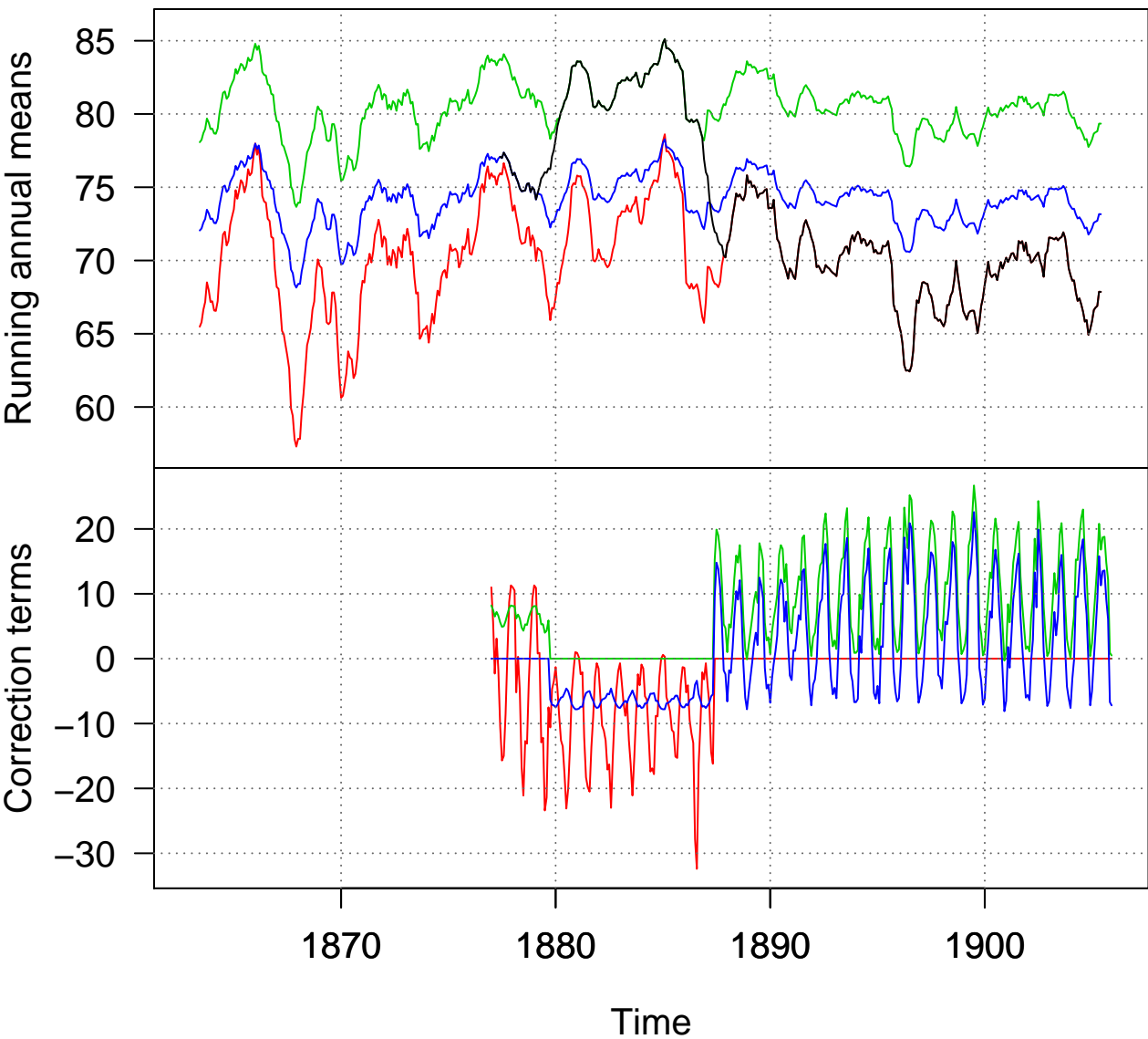
Final graphics

Adjusted series and
applied corrections

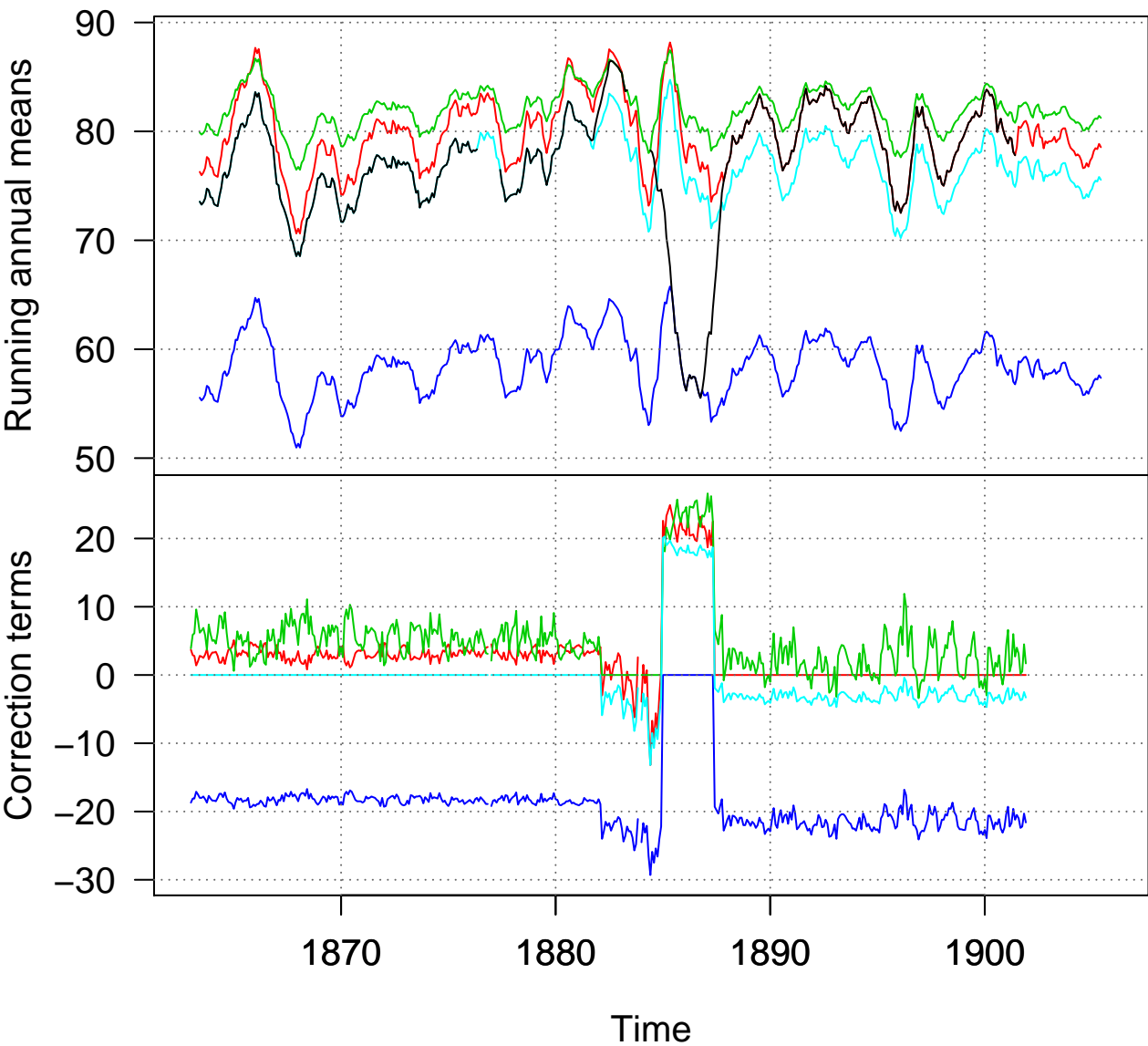
RH 1 (Montalegre) Montalegre



RH 2 (Moncorvo) Moncorvo

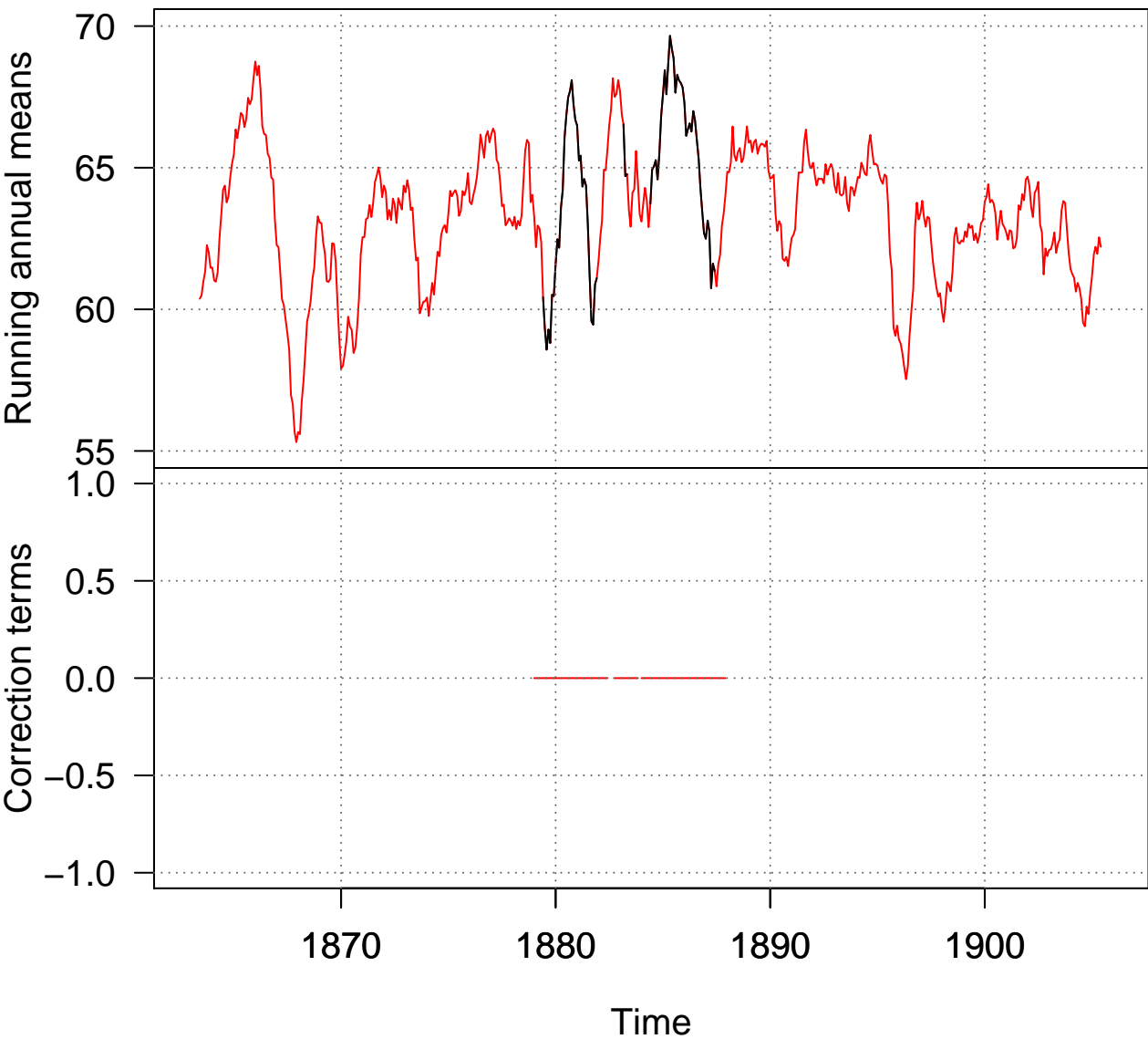


RH 3 (Porto) Porto

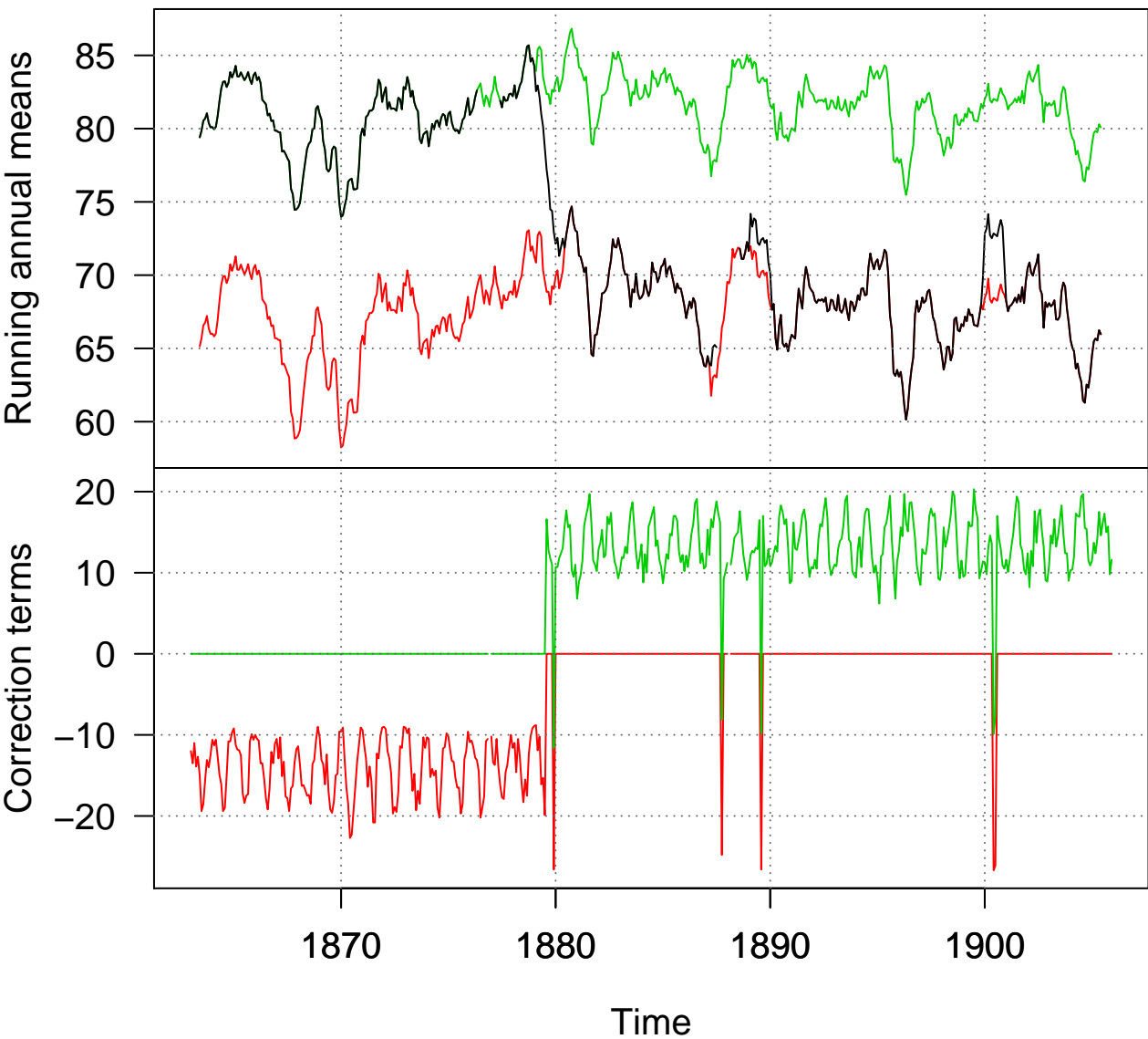


RH 4 (Vizeu)

Vizeu

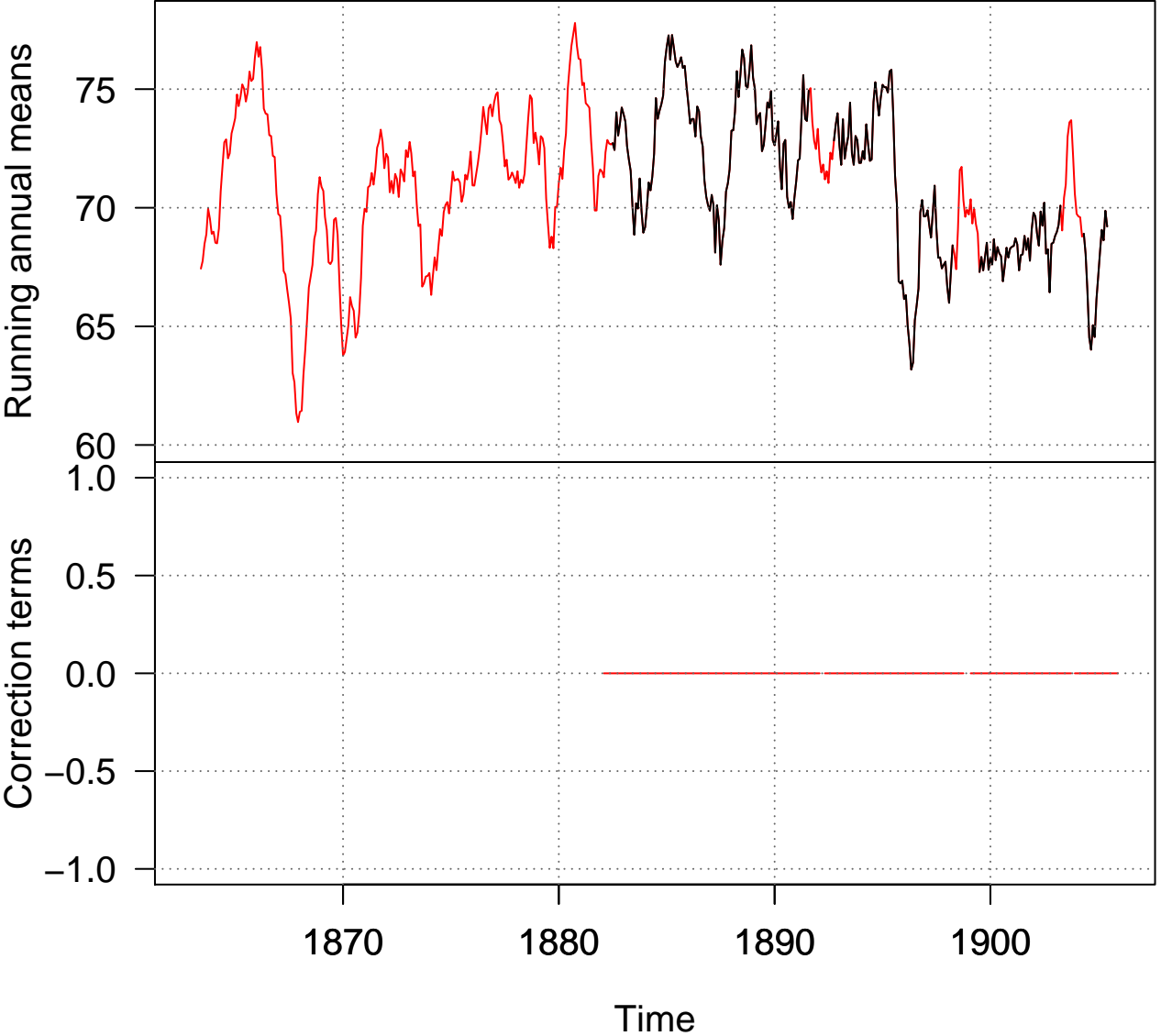


RH 5 (Guarda) Guarda



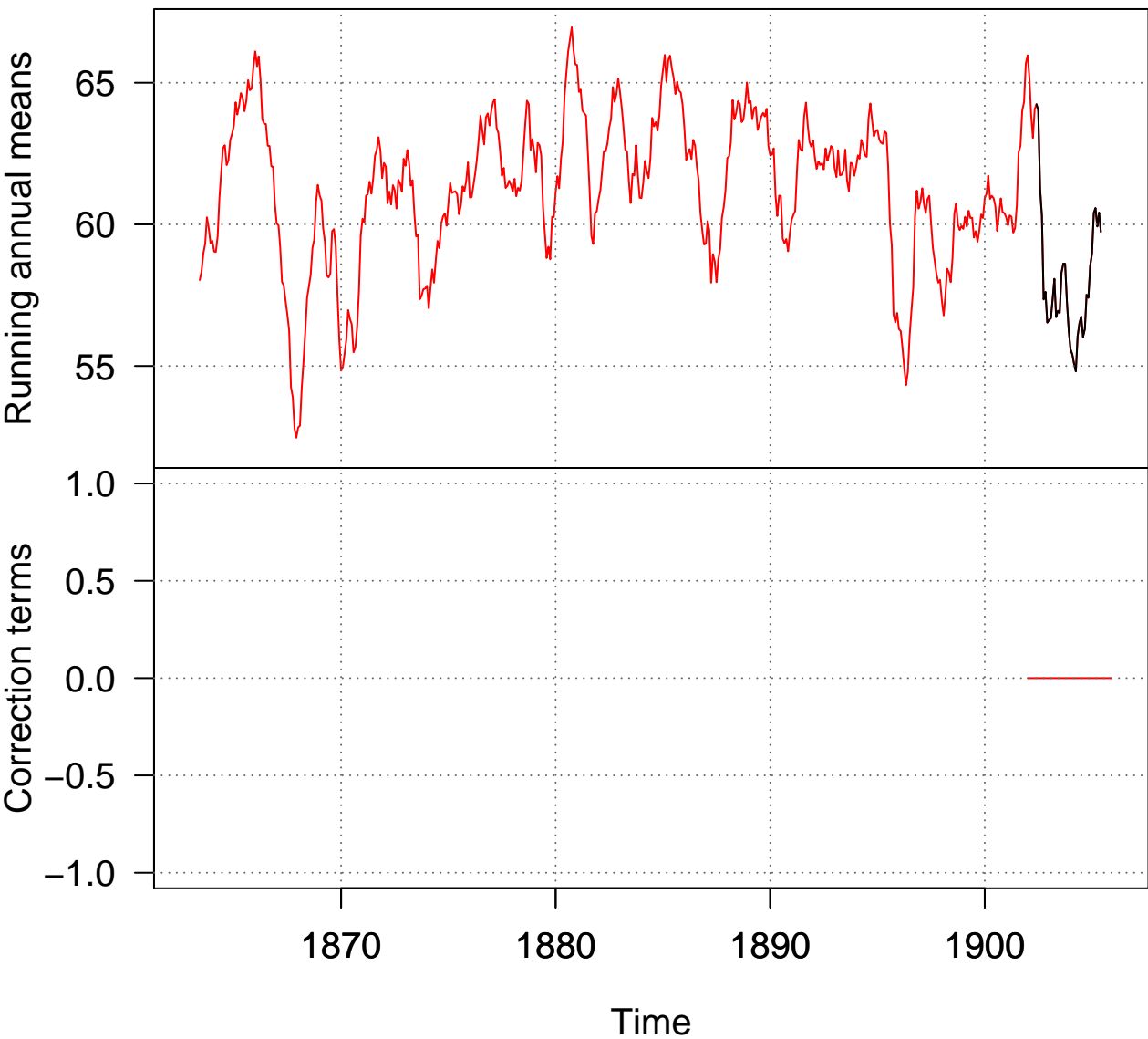
RH 6 (Serra_da_Estrella)

Serra da Estrella

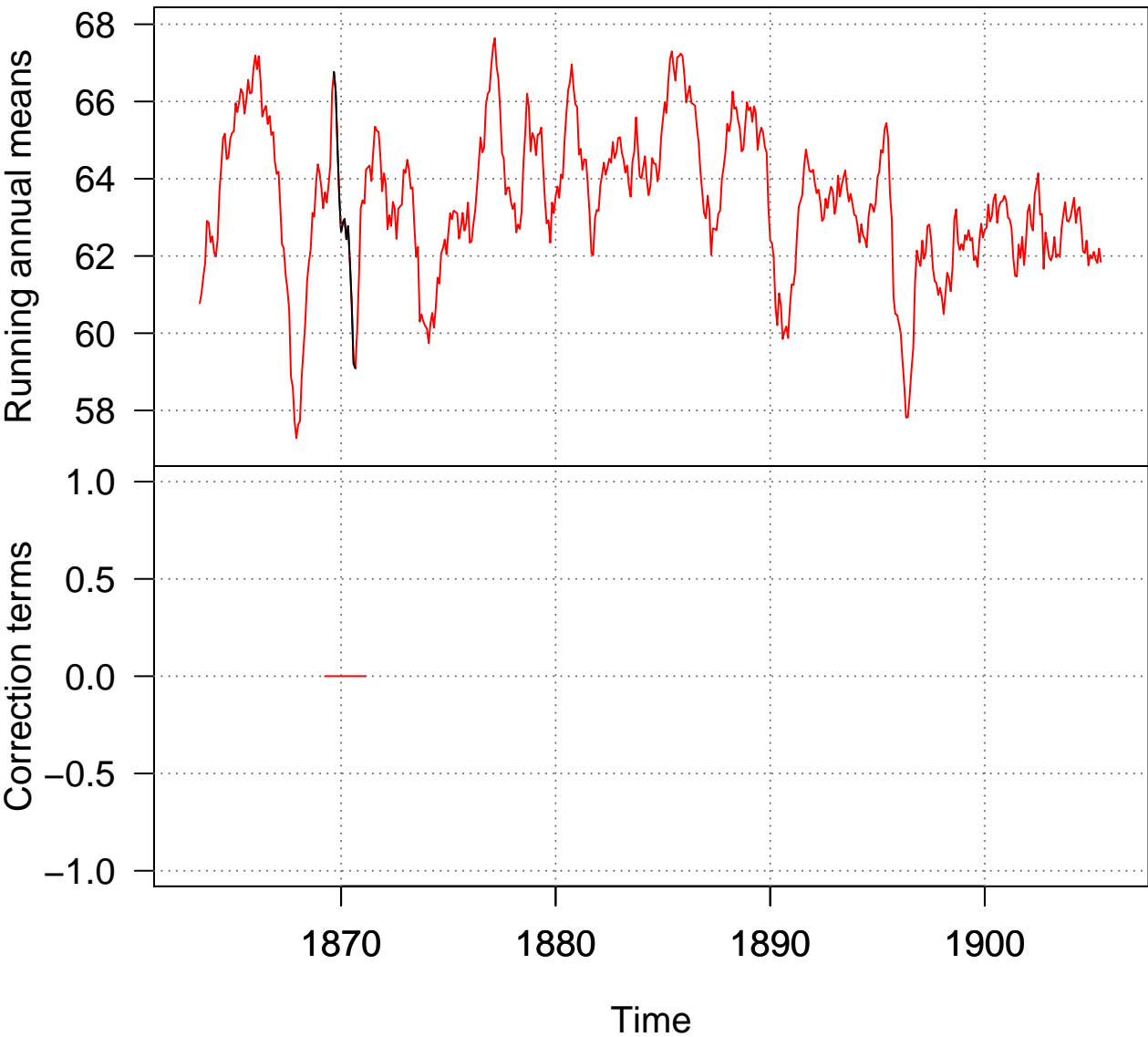


RH 7 (S._Fiel)

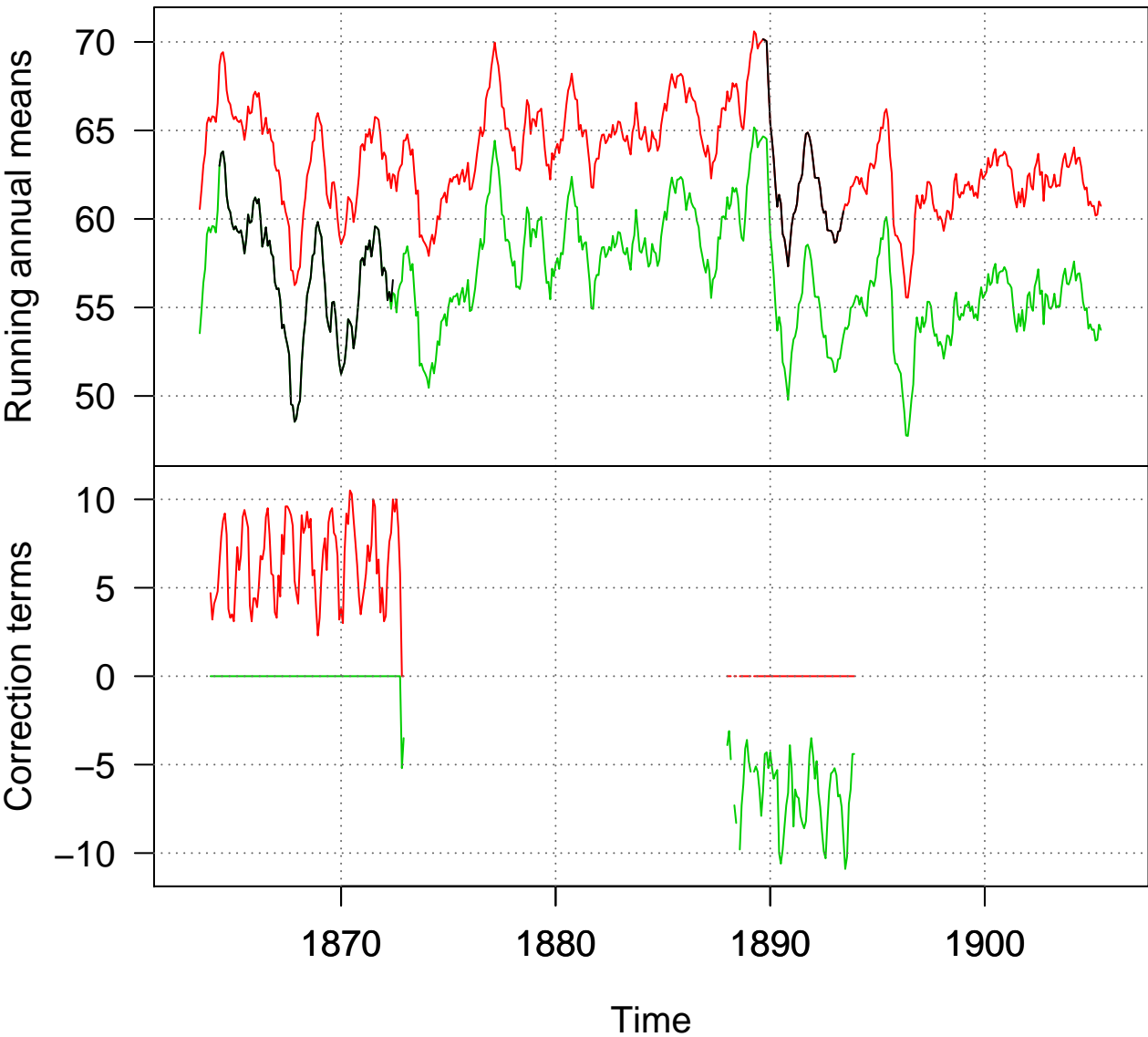
S. Fiel



RH 8 (Alcanhoes) Alcanhoes

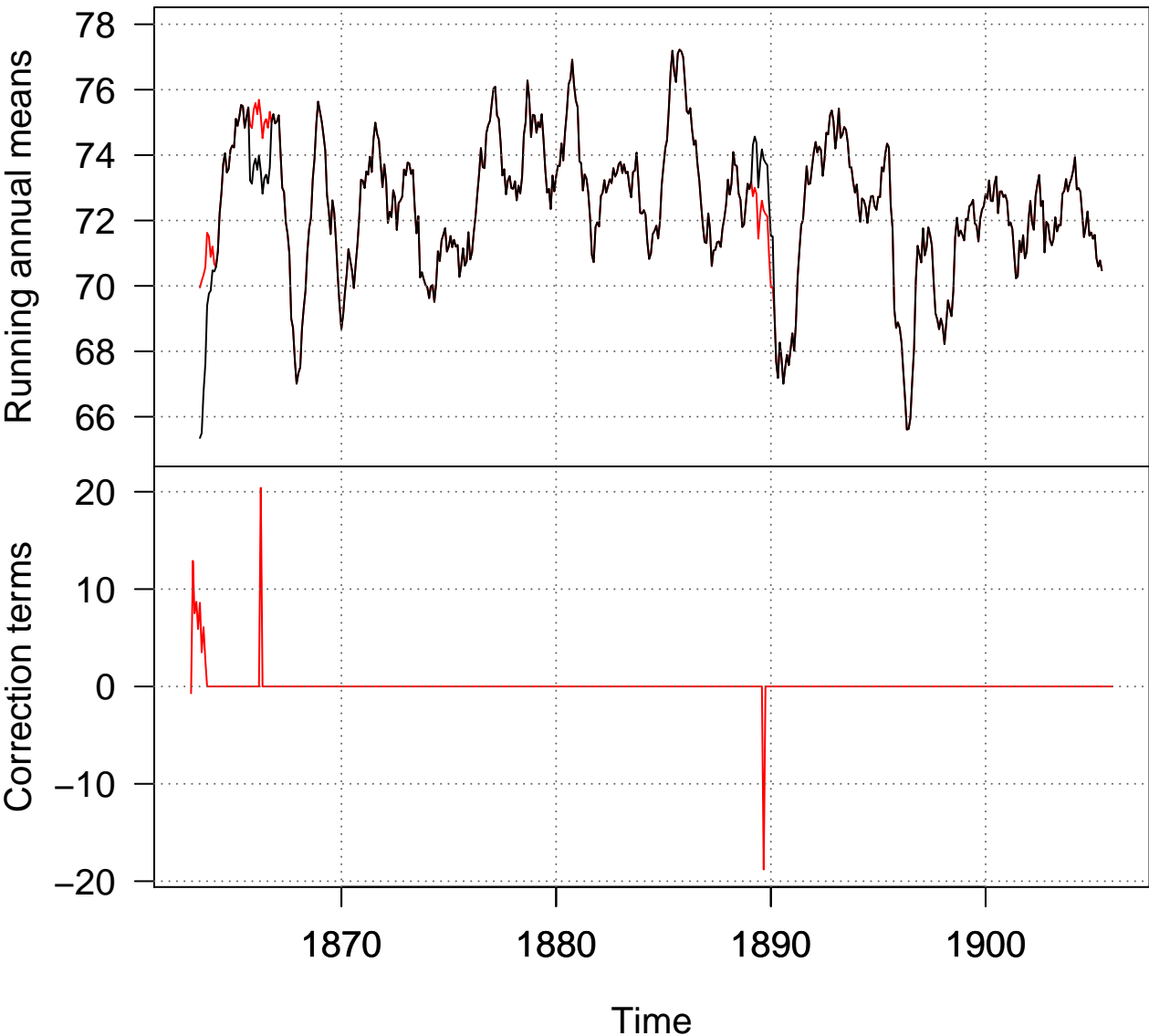


RH 9 (Campo_Maior) Campo Maior



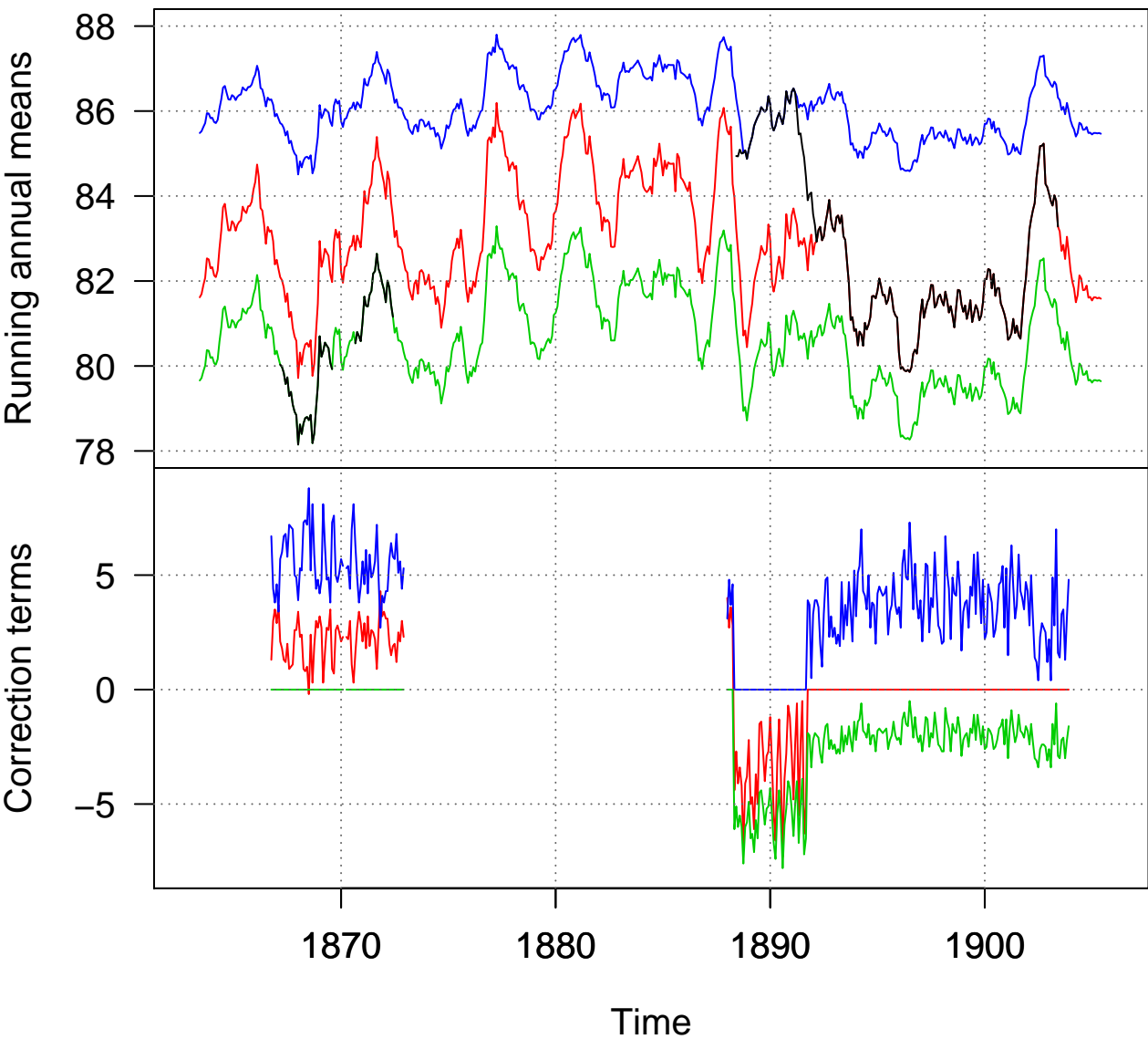
RH 10 (Infante_D_Luiz)

Lisbon Infante D. Luiz

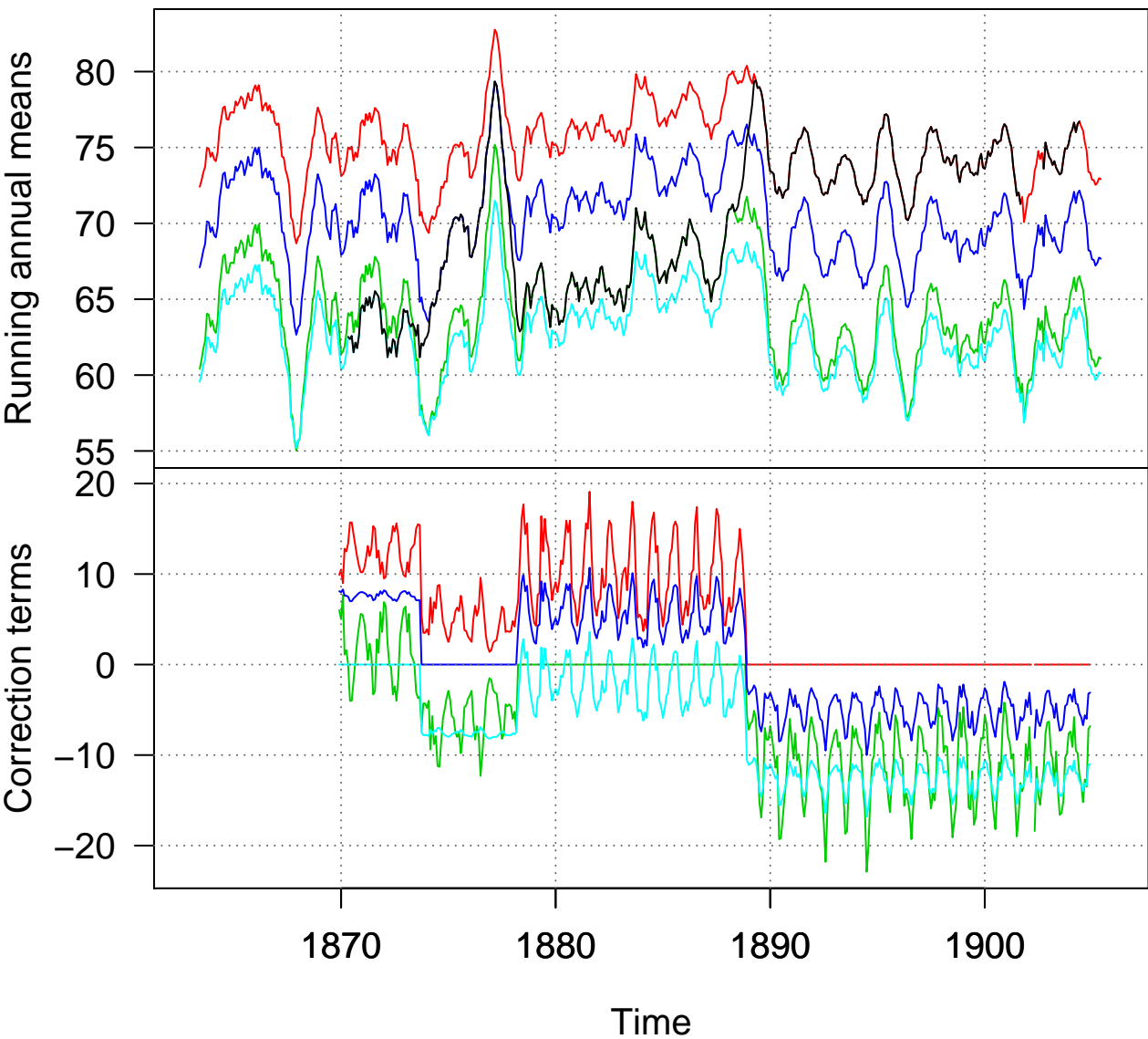


RH 11 (Angra_do_Heroismo)

Angra do Heroismo

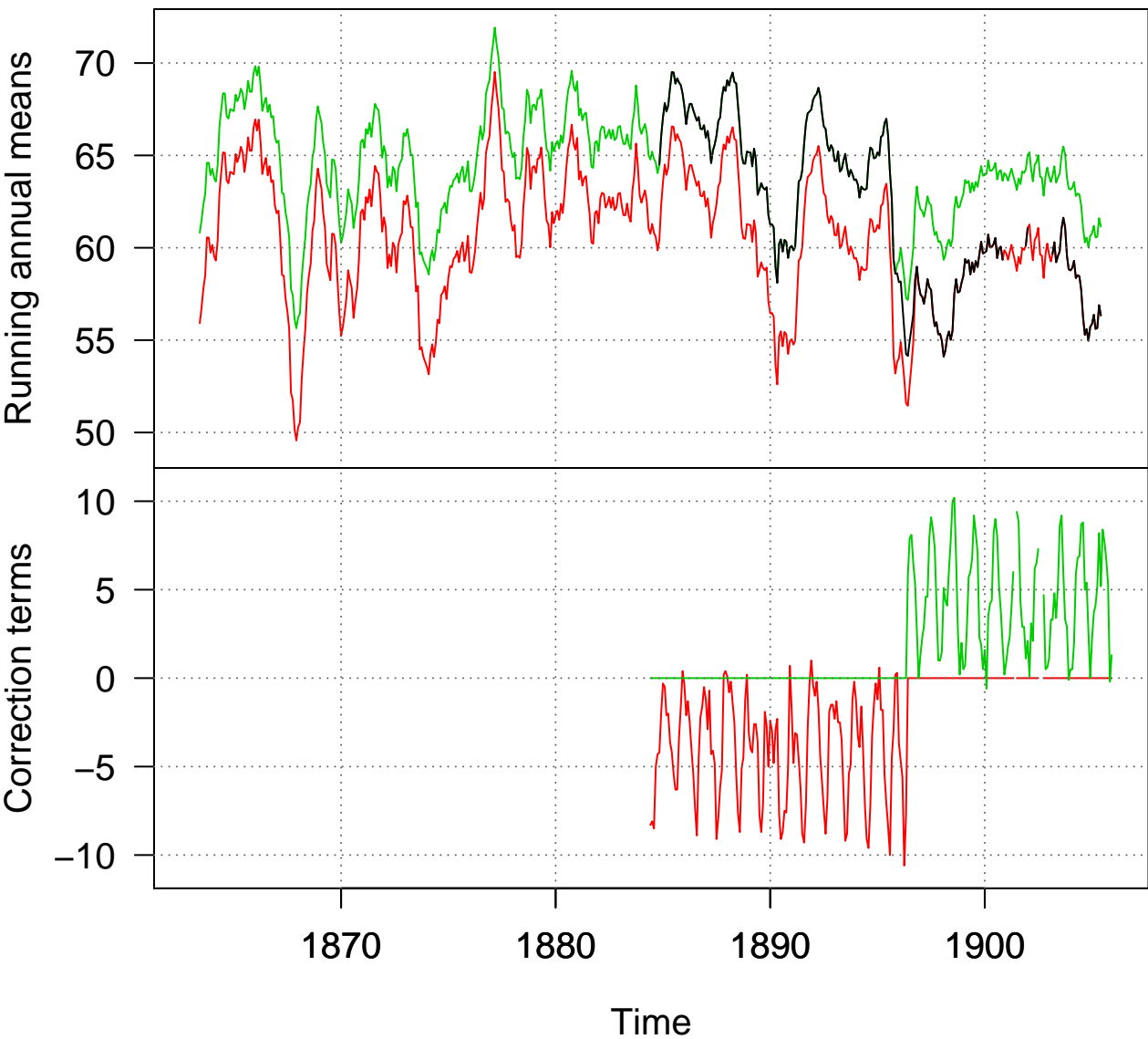


RH 12 (Evora) Evora

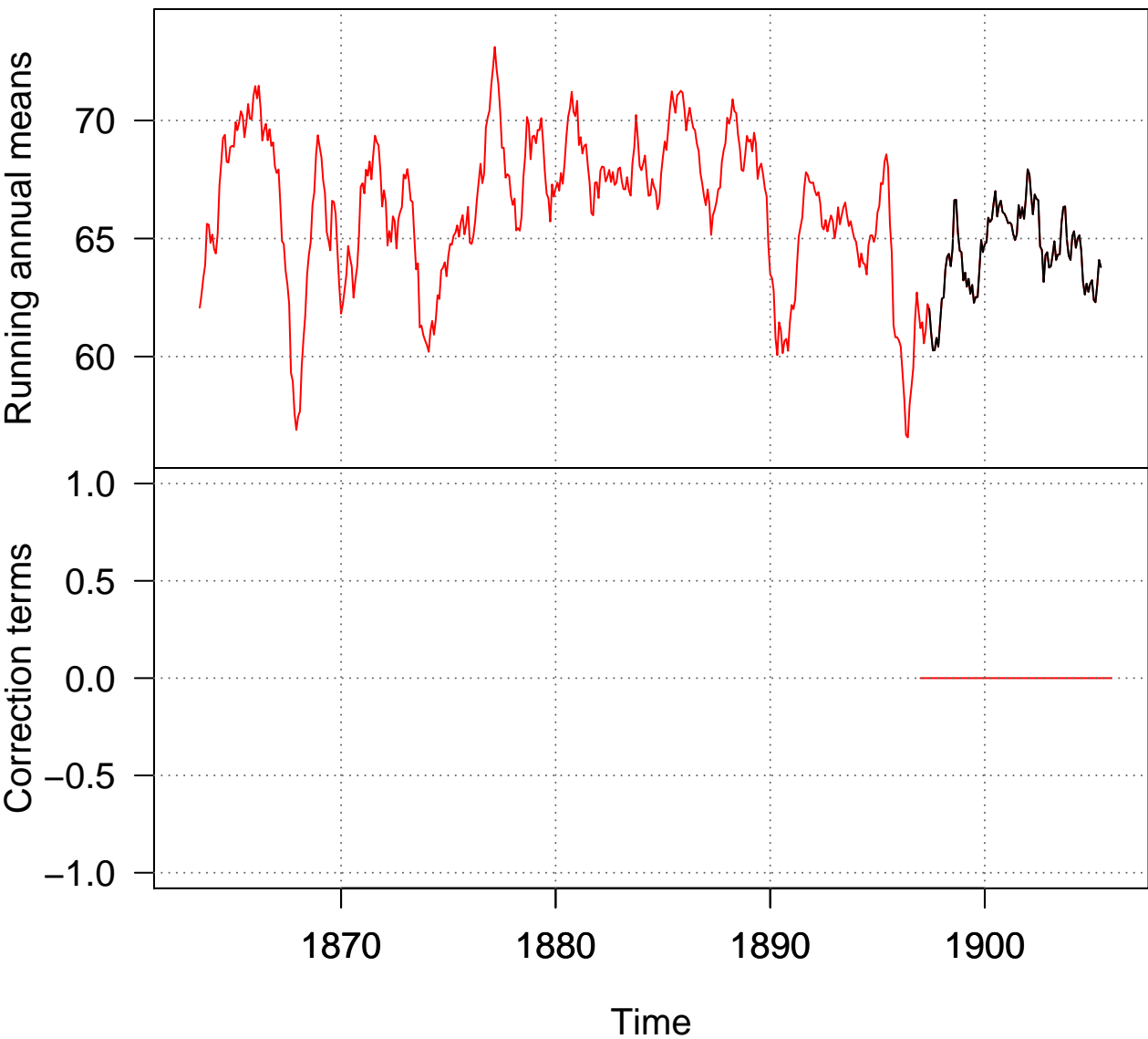


RH 13 (Villa_Fernando)

Villa Fernando

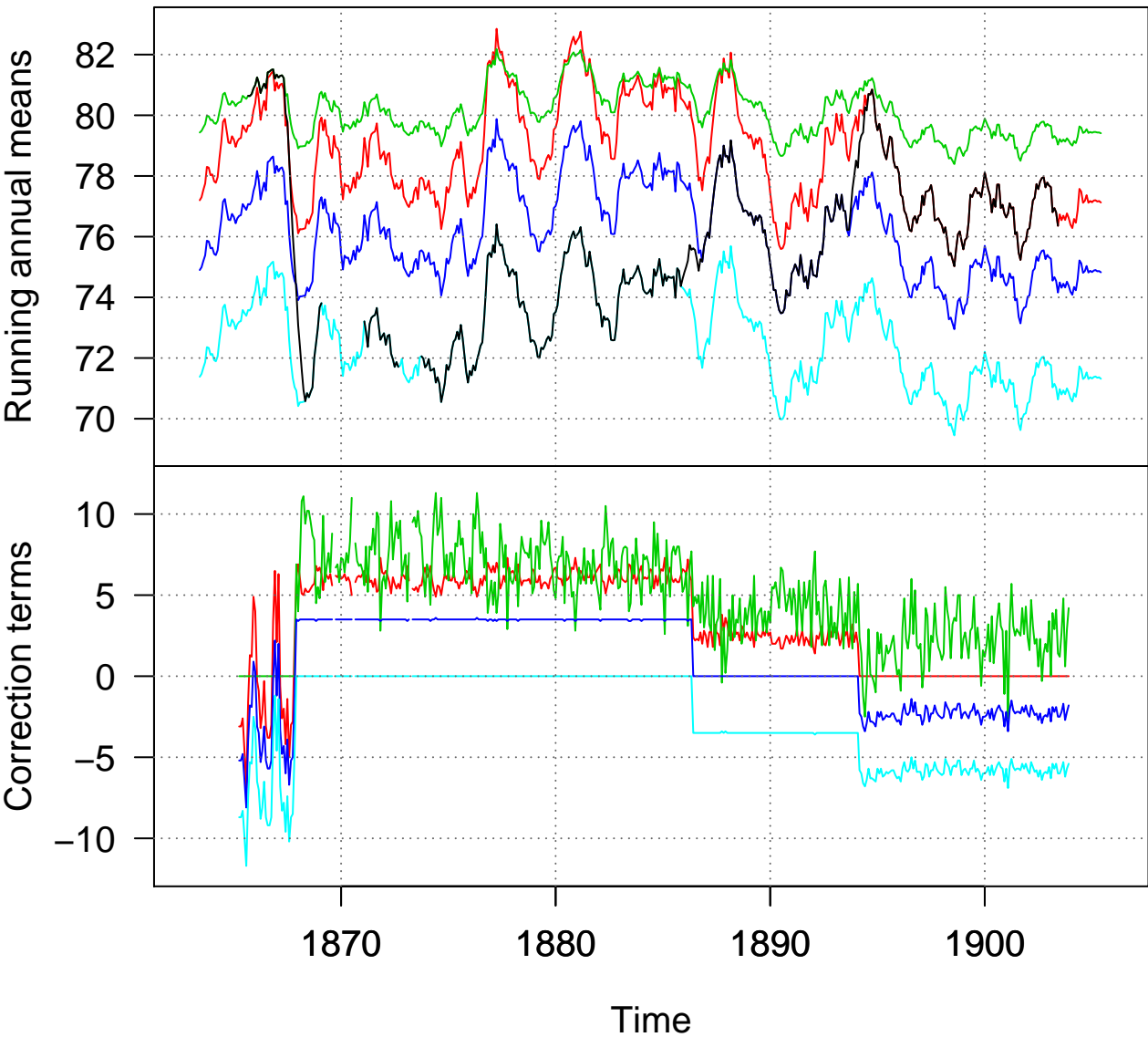


RH 14 (Beja) Beja

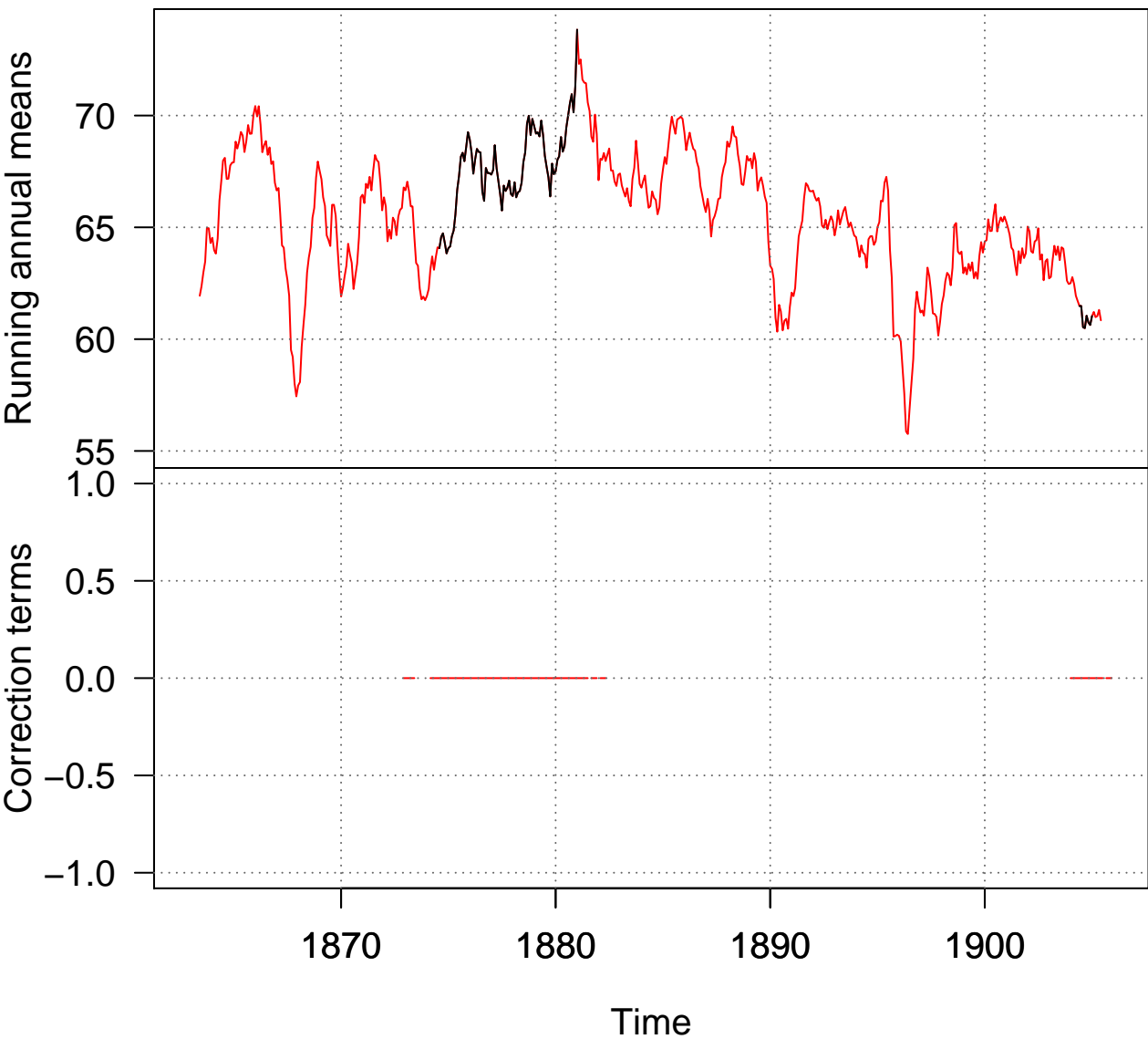


RH 15 (Ponta_Delgada)

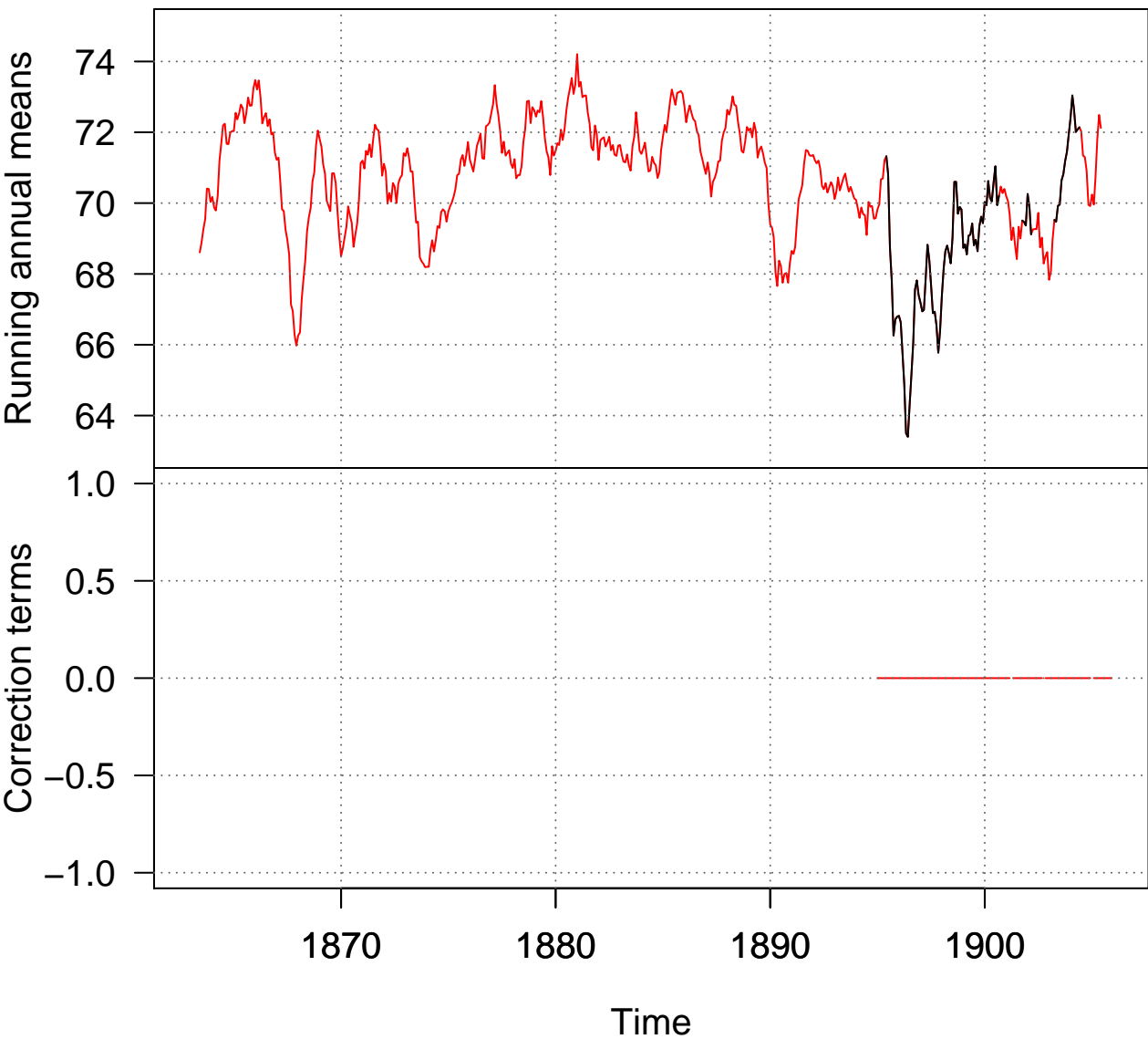
Ponta Delgada



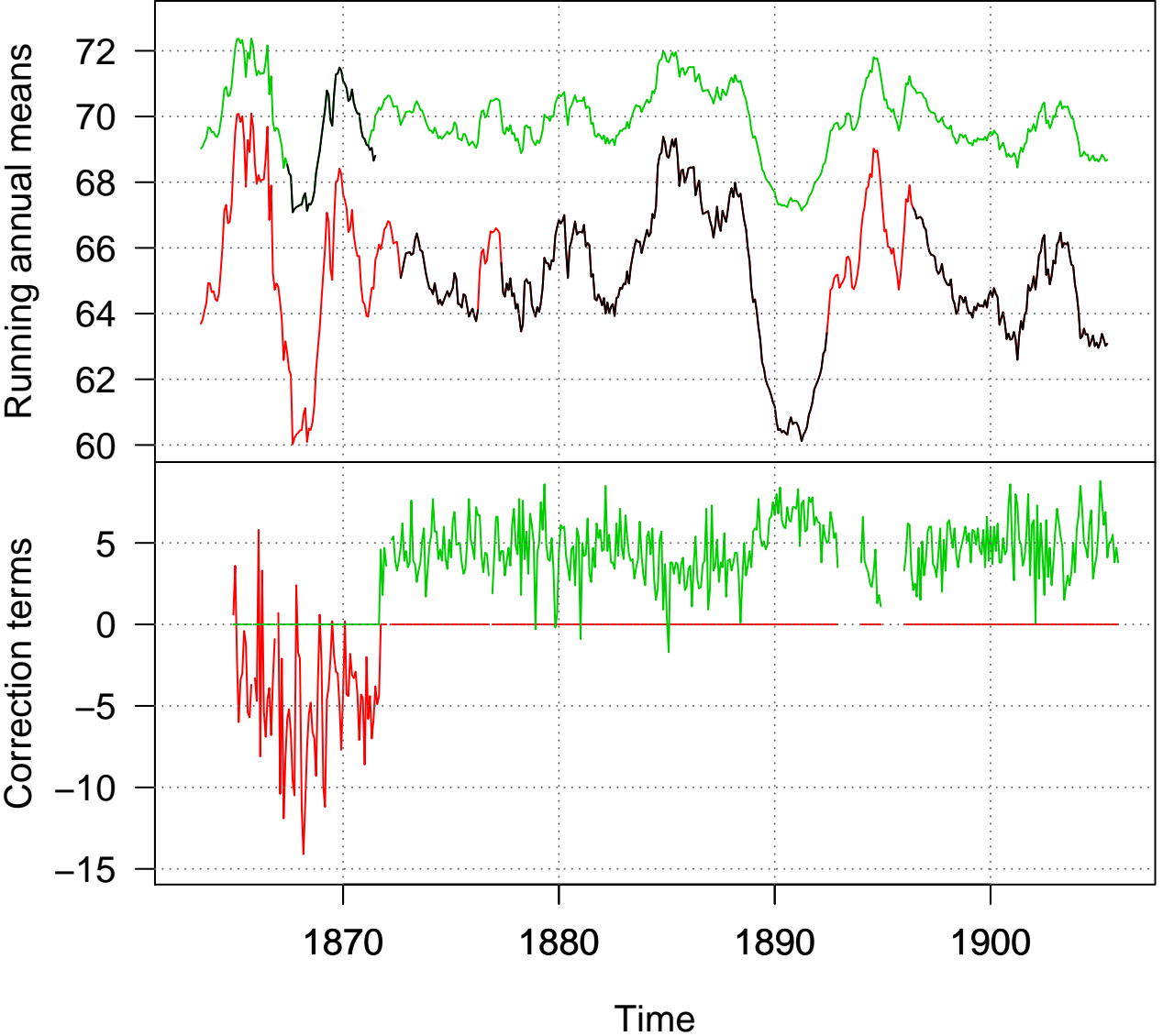
RH 16 (Lagos) Lagos



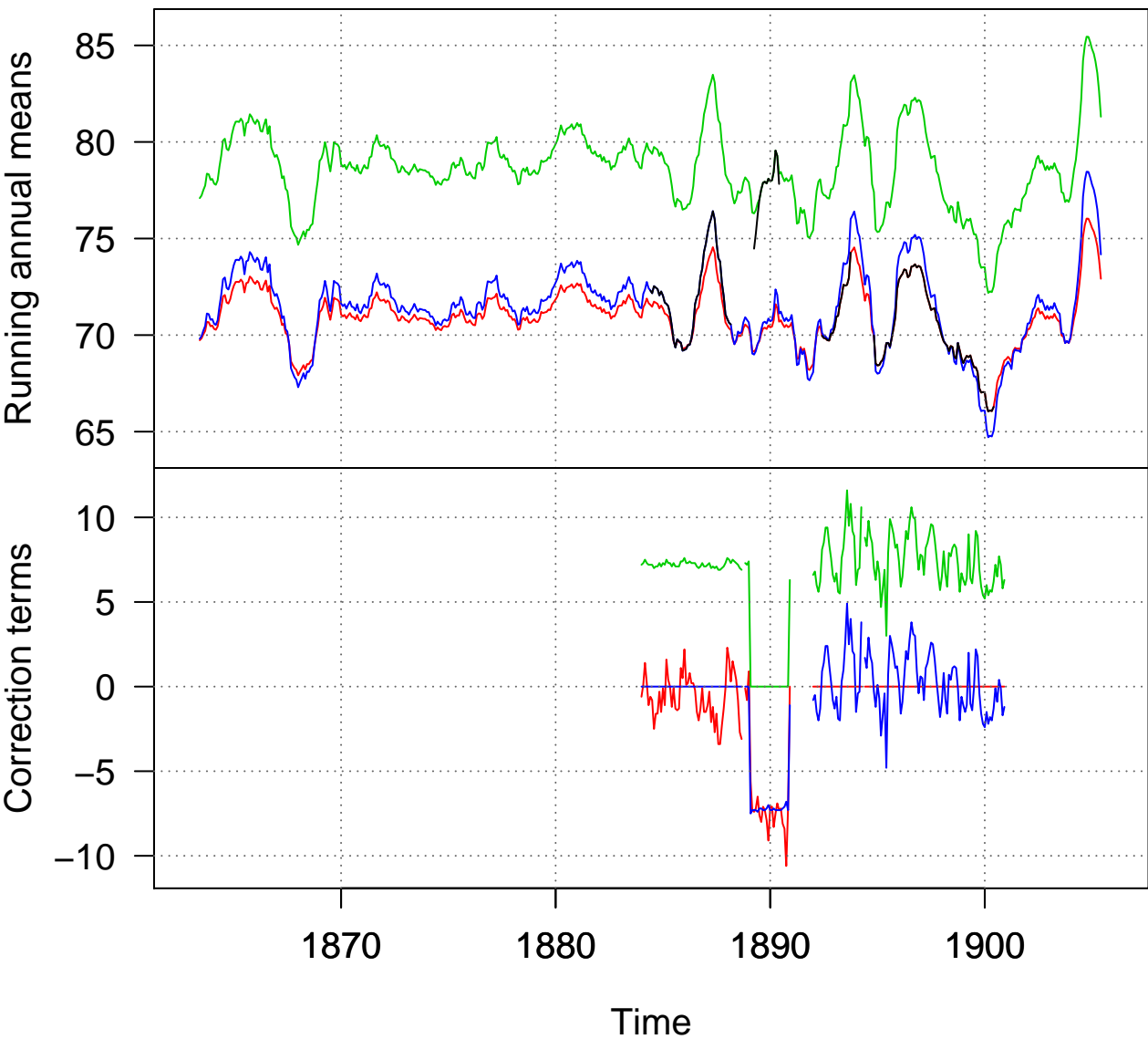
RH 17 (Faro) Faro



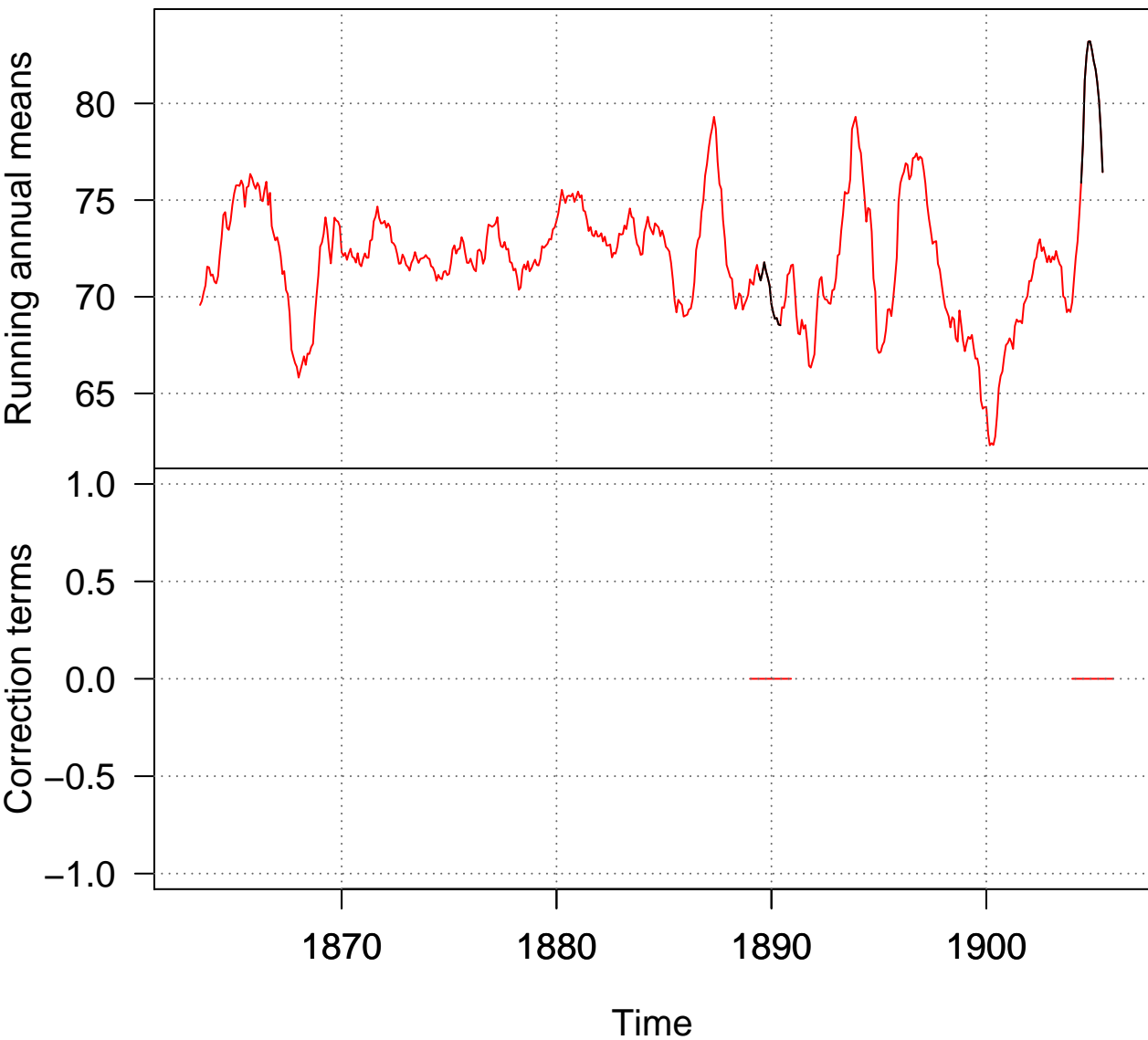
RH 18 (Funchal) Funchal



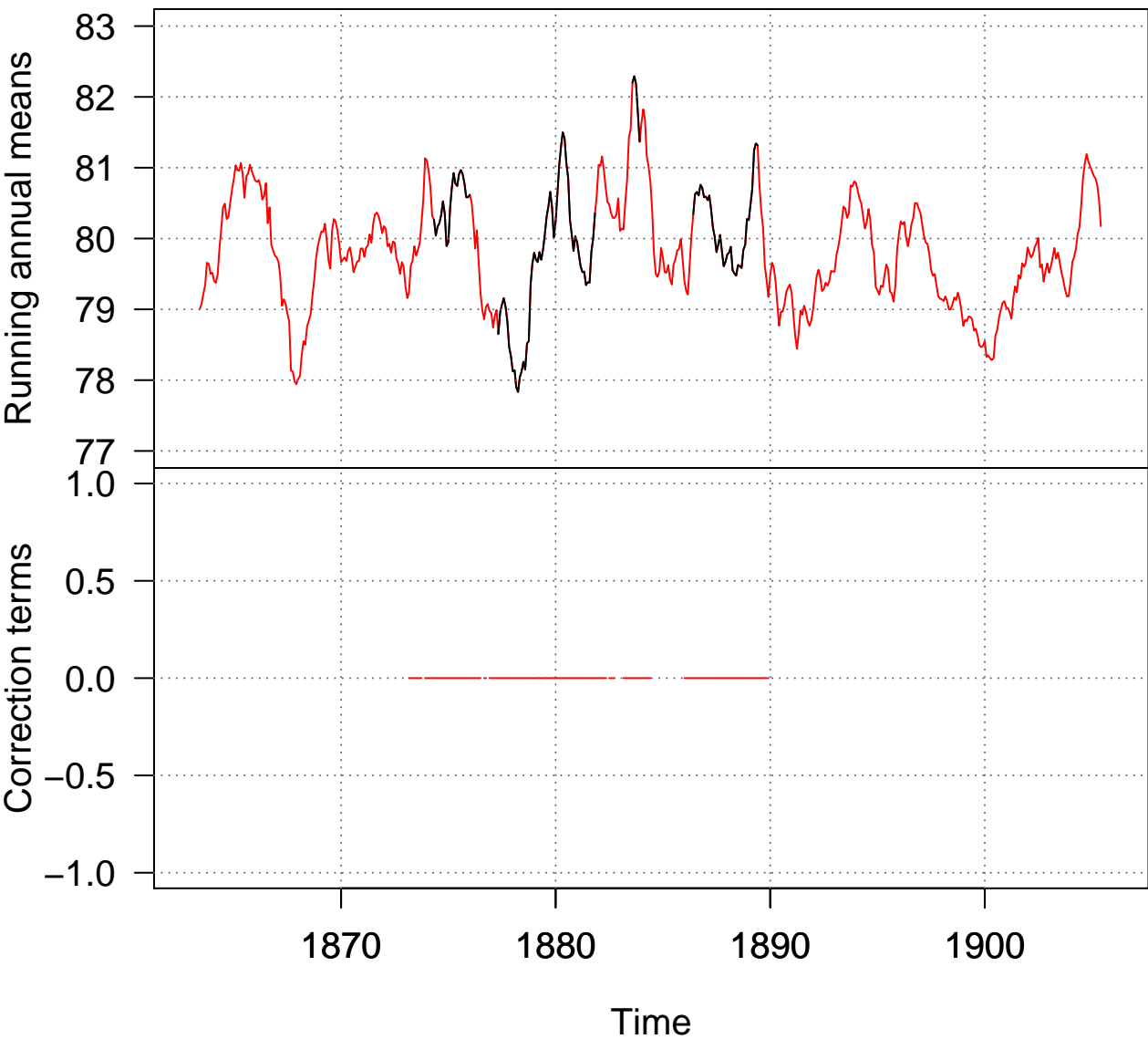
RH 19 (S._Vicente)
S. Vicente



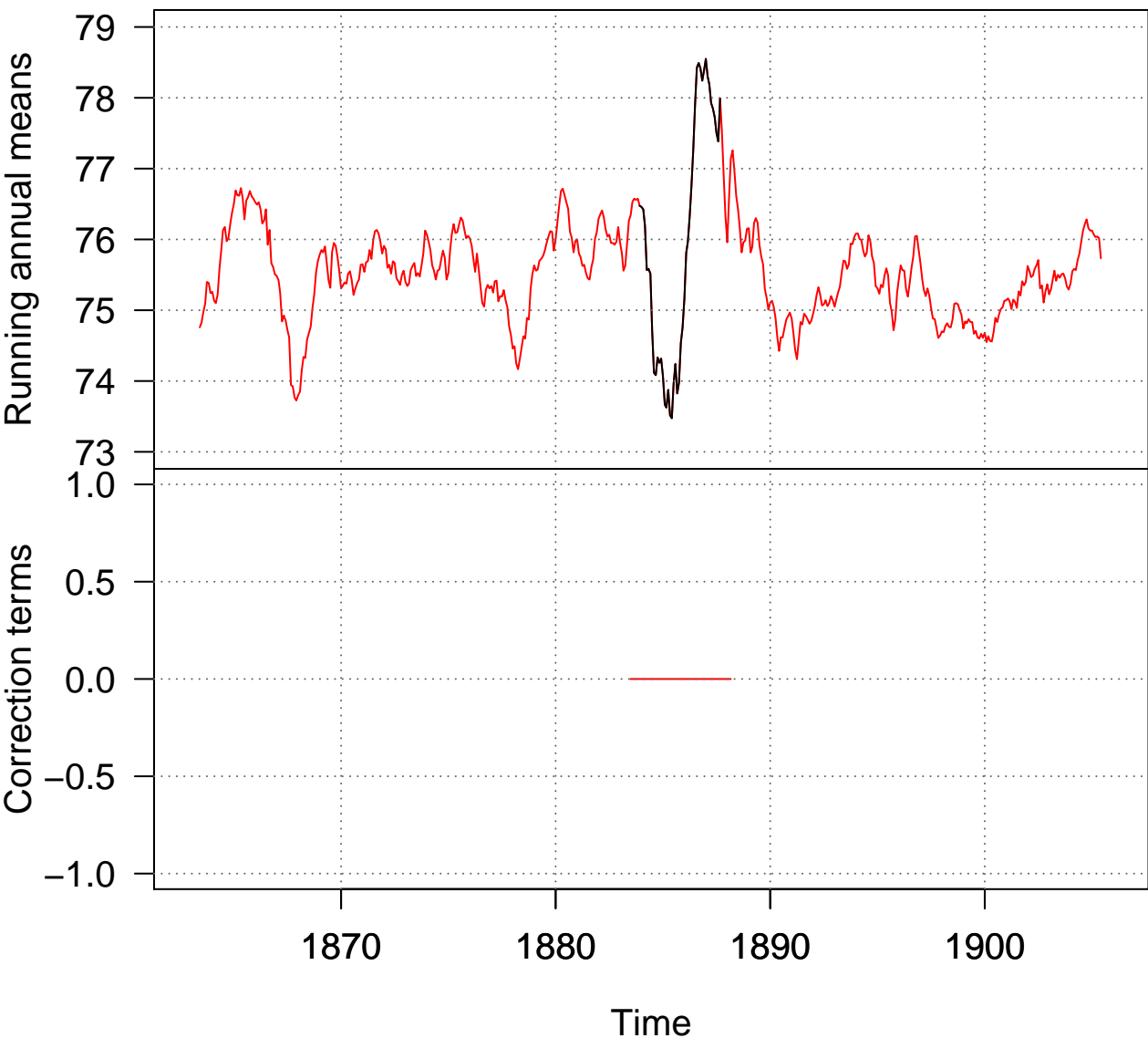
RH 20 (Cidade_da_Praia)
Cidade da Praia



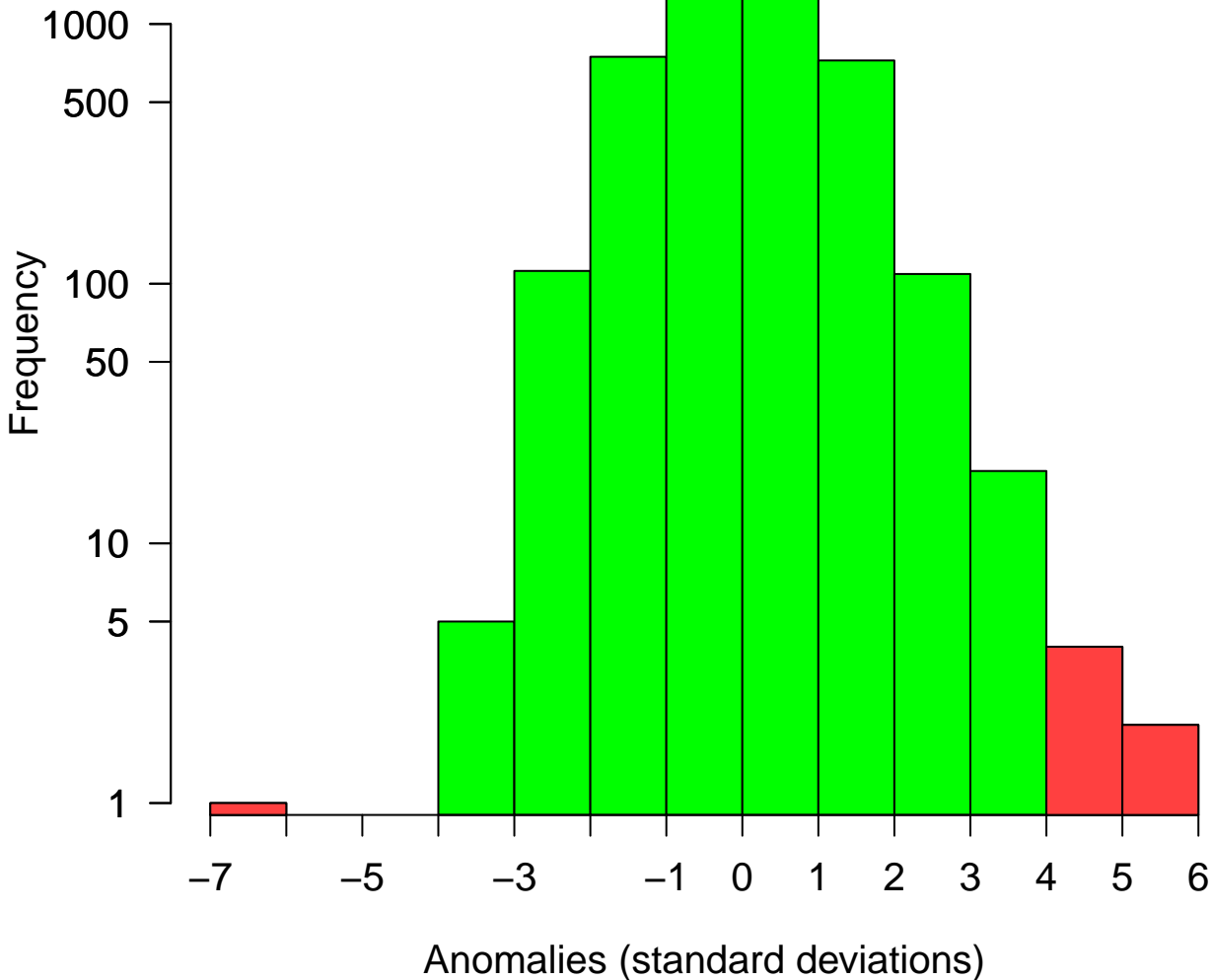
RH 21 (S._Thome)
S. Thome



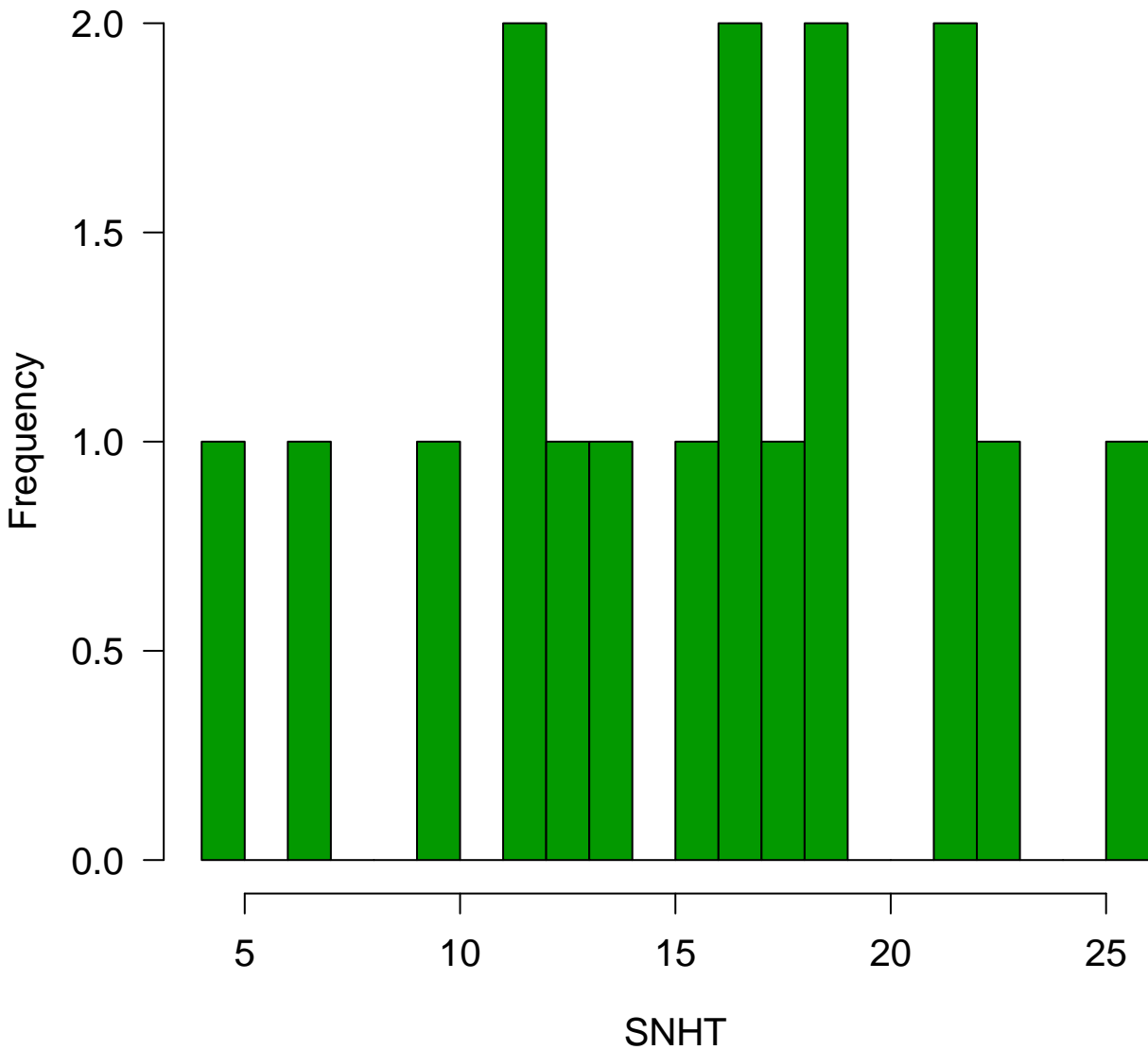
RH 22 (S. Salvador do Congo)
S. Salvador do Congo



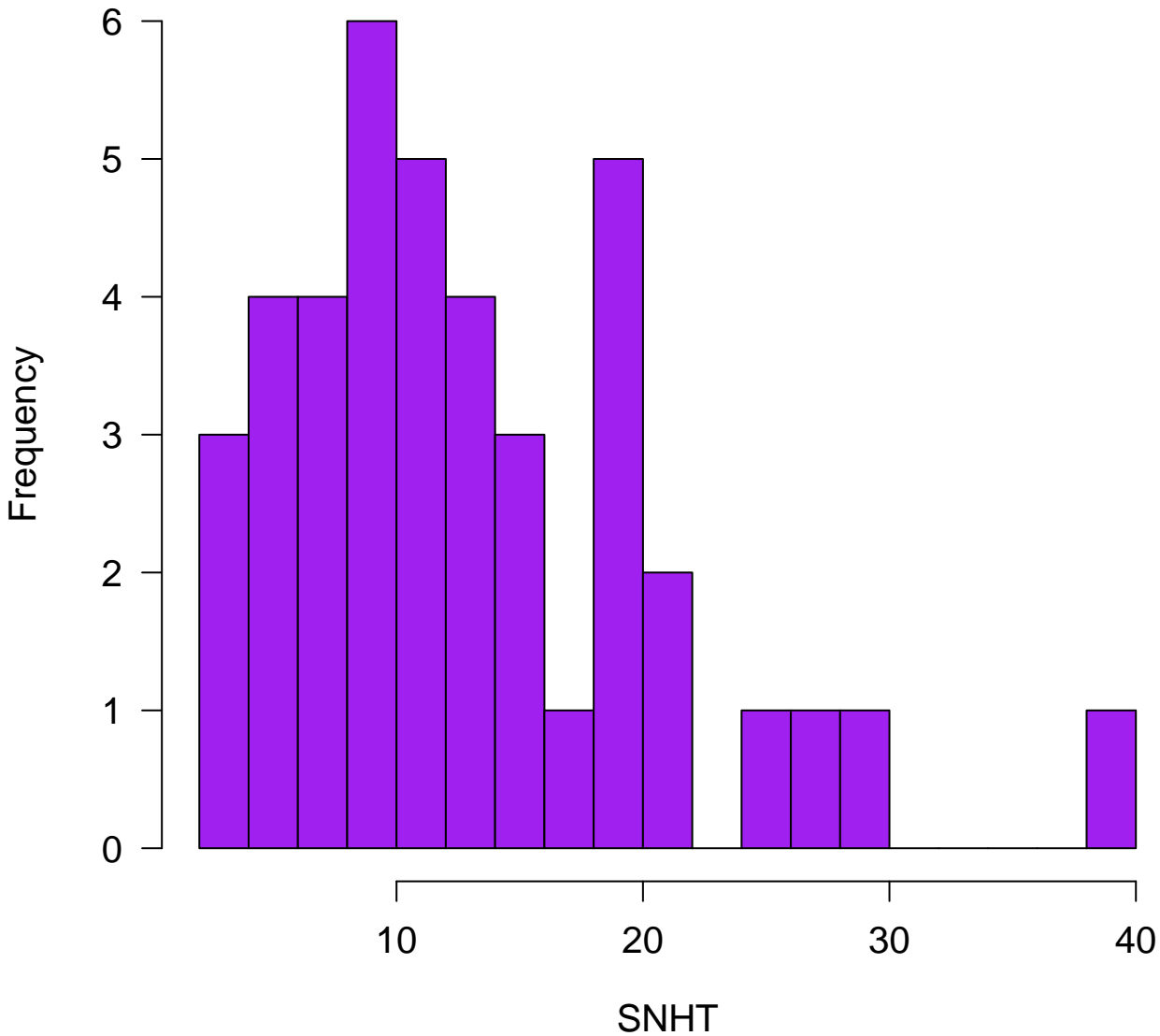
Histogram of standardized anomalies



Histogram of maximum windowed SNHT



Histogram of maximum global SNHT



Station's quality/singularity

