

HOME Climatol's results

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COST HOME-WG meeting (Palma de Mallorca, 25-1-2010)

Climatol procedure

- ▶ All series are standardized, and all their values are estimated as weighted (inverse distance function) averages of nearby data
- ▶ Differences (anomalies) of observed-estimated values are computed
- ▶ Outliers are removed, and breaks are detected by means of the *Squared Relative Mean Difference*, applied over moving windows of 4+4 years (48+48 monthly terms):

$$SRMD = \left(\frac{m_a - m_b}{s_{a,b}} \right)^2$$

- ▶ \Rightarrow 4 years is the maximum resolution of break points
- ▶ While the maximum inhomogeneity in the network is greater than a threshold, the series is split in that point and the whole process is repeated.

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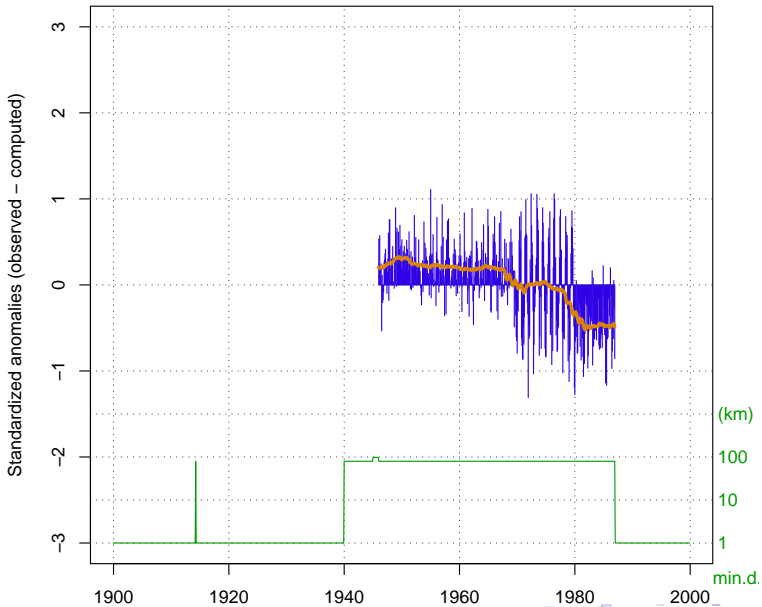
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Results for network 01 of surrogate temperatures

- ▶ 6 outliers corrected (> 4 standard deviations)
- ▶ 53 breaks corrected
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