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Homogeneity analysis of Portuguese SST time series

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Before study of climatic fluctuations and changes over sea surface temperature time series, it should be analysis the homogeneity of them, to avoid spurious trends and/or gradual shifts associated with artificial irregularities that may mask the climatic variability and natural trend. With this purpose have been adopted the Homogeneity Test (SNHT) for a single shift (Alexandersson, 1986), the Range-test (Buishand, 1982), and the classic von Neumann Raio (von Neumann Raio, 1941) to several Portuguese SST time series. The results suggest that there are some inhomogeneities but without statistical significance. However, it is important to have information of metadata that will provide the identification and correction of these inhomogeneities.