

# Southeast Asian Assessment & Dataset (SACA&D)

Appendix to the Algorithm Theoretical Basis Document (ATBD).

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This document describes parts of the procedures for the Southeast Asian Assessment & Dataset (SACA&D) that were different from the European Climate Assessment & Dataset (ECA&D).

## A Blending

In ECA&D data series provided by projects, networks or GHCN-Daily were regarded as 'second best' to other data series. SACA&D contains data series from the Global Summary of the Day from the Global Historic Climate Network - Daily dataset. Data series taken from this dataset are also treated as 'second best' data series in SACA&D.

Furthermore, for SACA&D no synoptical messages are used in the blending process.

## B Indices

The number days that should be present per year is relaxed to 350 days (instead of 362 days). This is the same as for the R software from the ETCCDI where 15 days or less should be absent before an index is calculated. The number of days that should be present per half year is changed to 175 days (from 181 days) and per season is 85 days (from 86 days). The number of days that should be present per month is not changed from the ECA&D value (25 days).

In ECA&D 80% of the data should be present for trend and homogeneity calculation. For SACA&D this is changed to 70% (same as for ETCCDI). The percentage of data that must be present for the calculation of the climatology is changed from 90% to 70%.

## **C Website**

### **C.1 Trends**

Trends for all stations are shown on the website, independently on the homogeneity test results.