

# *RASC & CASC Version 20*

Oslo, Norway and Ottawa, Canada

20 August 2007

## **For installation of the new program proceed as follows:**

Firstly, un-install pre-existing versions of RASC & CASC on the PC and reboot PC.

### **Download files**

**RASCW\_V20\_Setup.part1.ttt**

**RASCW\_V20\_Setup.part2.rar**

**RASCW\_V20\_Setup.part3.rar**

**Rename RASCW-V20-Setup.part1.ttt as RASCW\_V20\_Setup.part1.exe**

**Execute this exe file.**

**A new setup file RASCW\_V20\_Setup.exe is created that shall be executed, upon which the complete RASC and CASC programs install (including PC reboot).**

**Also installed is a run file named Example, plus the programs QSCreator.jar and Editpadlite.exe. The former needs Java to be installed (free software).**

QSCreator.jar, (and if so desired Editpadlite) allows easy editing and conversion of data files; its own format is \*.qsc. QSCreator replaces Makedat under DOS that is discussed in the RASC & CASC version 18 manual, but no longer supported.

## **RASC menu:**

Click on the RASCW-V20 button.

After two opening screens go to the File menu (top left).

Under File, select 'Set Project Space' and select the Example, the 14CEN or CRETIA subdirectory.

Under RASC Parameter File: Select \*.INP File

Under RASC DATA File: Name of Input Files (e.g. Name as Asterisk in \*.DAT)

Under RASC Output File: Length of File Name (before Extension) should be less than 8 characters when CASC is used

Under Total Number of Wells: All wells or first set of wells can be used

Under Minimum Number of Wells in which an Event should occur: Precision of relative frequencies increases rapidly if this Number is increased

Under Minimum Number of Wells in which each Pair of Events should occur:  
Frequencies for Pairs of Events occurring in fewer Wells are zeroed for Ranking as well as Scaling

Under Use RASC Version 18: In Version 18, Cycles in Ranking are broken by zeroing Frequencies for first Pair of cycling Events encountered. In Version 20, they are broken by zeroing one or more Pairs of Cycling Events with Largest Probability of being Coeval on Average

Results are under GRAPHS and TABLES.

The extensive literature and manual (for version 18) provide explanations.

### **CASC menu:**

Under RASC Data File: Name of Input Files (e.g. Name as Asterisk in \*.DAT)

Under CASC Parameter File: Select \*.INC File

Under RASC Output File: Select \*.i.out File; all CASC Output Files will have Name as Asterisk in \*.i.out

Execute the Results under GRAPHS.

### **CASC Parameter File:**

Under Width of Depth Filter (No Square Root Transformation): Depth Differences deviating from Average Depth Difference by more than this Number will be deleted

Under Order (>1) of Window: Higher Order Depth Differences with Order less than (or equal to) this Number will be used for Depth Scaling

Under Maximum Difference between Optimum Sequence Numbers: Depth Differences for Events farther apart than this Number in the Optimum Sequence will not be used

Under Order of Square Root Display: Preparation of Input File for Q-Q Plot of Depth Differences of this Order

Under Square Root Transformation: Depth Difference Deviations from Average Depth Difference are replaced by their Square Roots

Under Input Sequence as in Scaled Optimum Sequence: Order of Events in Ranked Optimum Sequence is replaced by Order of Events in Scaled Optimum Sequence