

CLIMATE : OBSERVED AND PREDICTED (file 5)

For reasons outlined in the introduction to file 4, the present file includes only two graphs: one for the last millenium, and one for the next millenium. The first graph appeared already in www.mayrheliophysics.com. It mentions Emmanuel Le Roy-Ladurie, because his "histoire du climat depuis l'an mil" is still the best available source of knowledge in this matter. Beware of the american edition, where an essential chapter and any reference to it were left out!

The leading feature of the graph for the last millenium is the A/U signature of the function RTFI. The negative peaks of U coincide with glacier maxima in the Alps, notably around Mont Blanc, in Switzerland and in the Austrian Tyrol. Impeccably documented by credible documents, the behaviour of glaciers is the backbone of our body of knowledge about the climate of the Past. Different species of trees like *Larix decidua* and *Pinus cembra* tell us conflicting stories, but the history of climate inferred from glaciers is everywhere the same. Just check the dates implied by the graph!

What we will expect during the next millenium depends on our knowledge of the Past. I am, for instance, of the opinion that the A/U event from 2420 to 2460 AD will be too short to let glaciers grow to their size in 1850 AD, but the side-effects of this magneto-climatic event will hurt many villages in Switzerland, Austria and Northern Italy. Things will be worse between 2600 and 2700, because of the longer time involved. The leading feature between 2150 and 2550 will, however, be diminished precipitation combined with above-average temperatures, especially around 2170, 2260, 2330 and 2480. "Modern" Agriculture and much more will become obsolete.

THE COSMIC TIME-TABLE

H1-18, 45, 63

1000-2000 AD

SSIN, SCOS +10.0

RTFI +1000

SCOS

RTFI = A

RTFI = D

RTFI = V

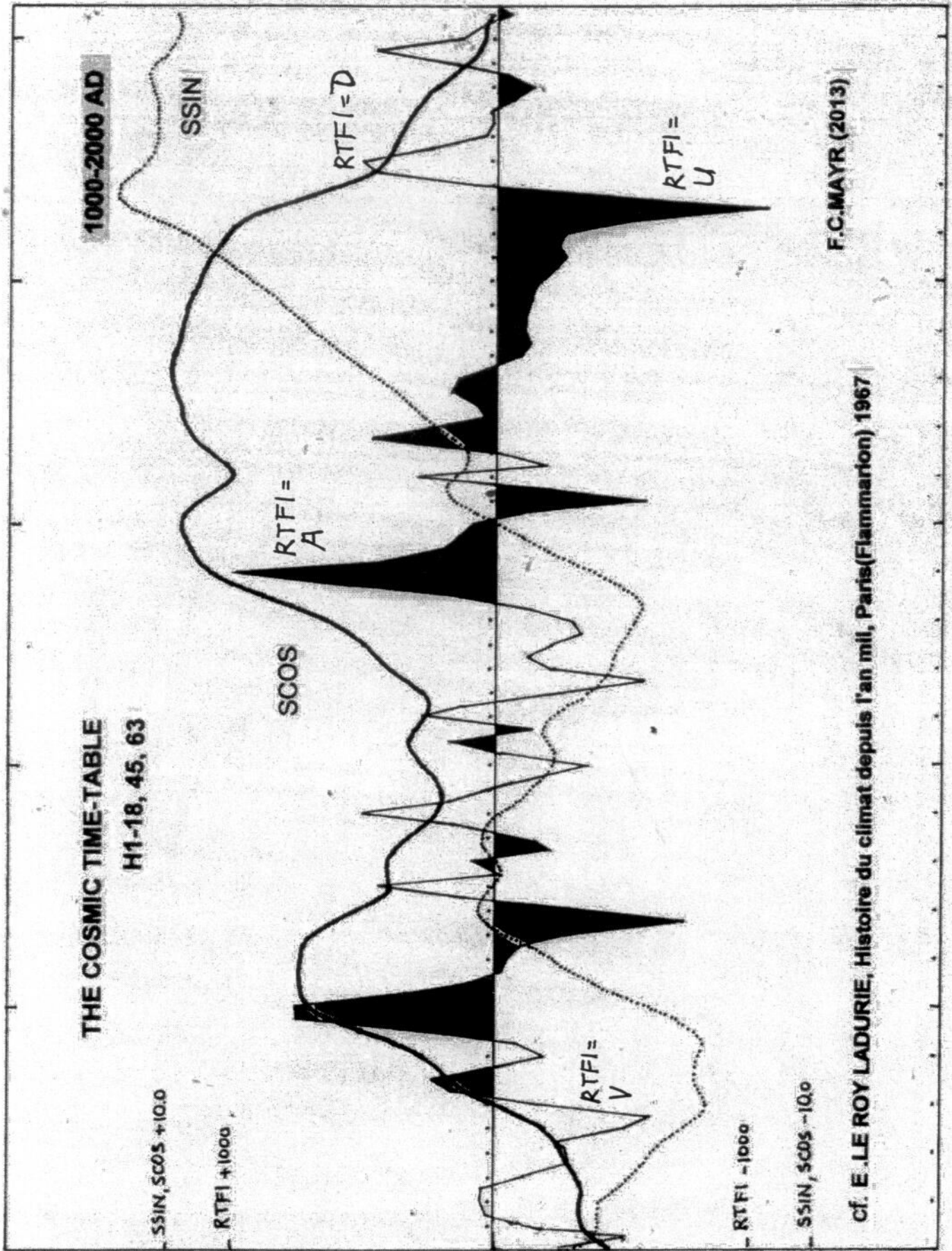
RTFI = U

RTFI -1000

SSIN, SCOS -10.0

F.C.MAYR (2013)

Cf. E. LE ROY LADURIE, Histoire du climat depuis l'an mil, Paris(Flammarion) 1967



file 5, fig. 2

