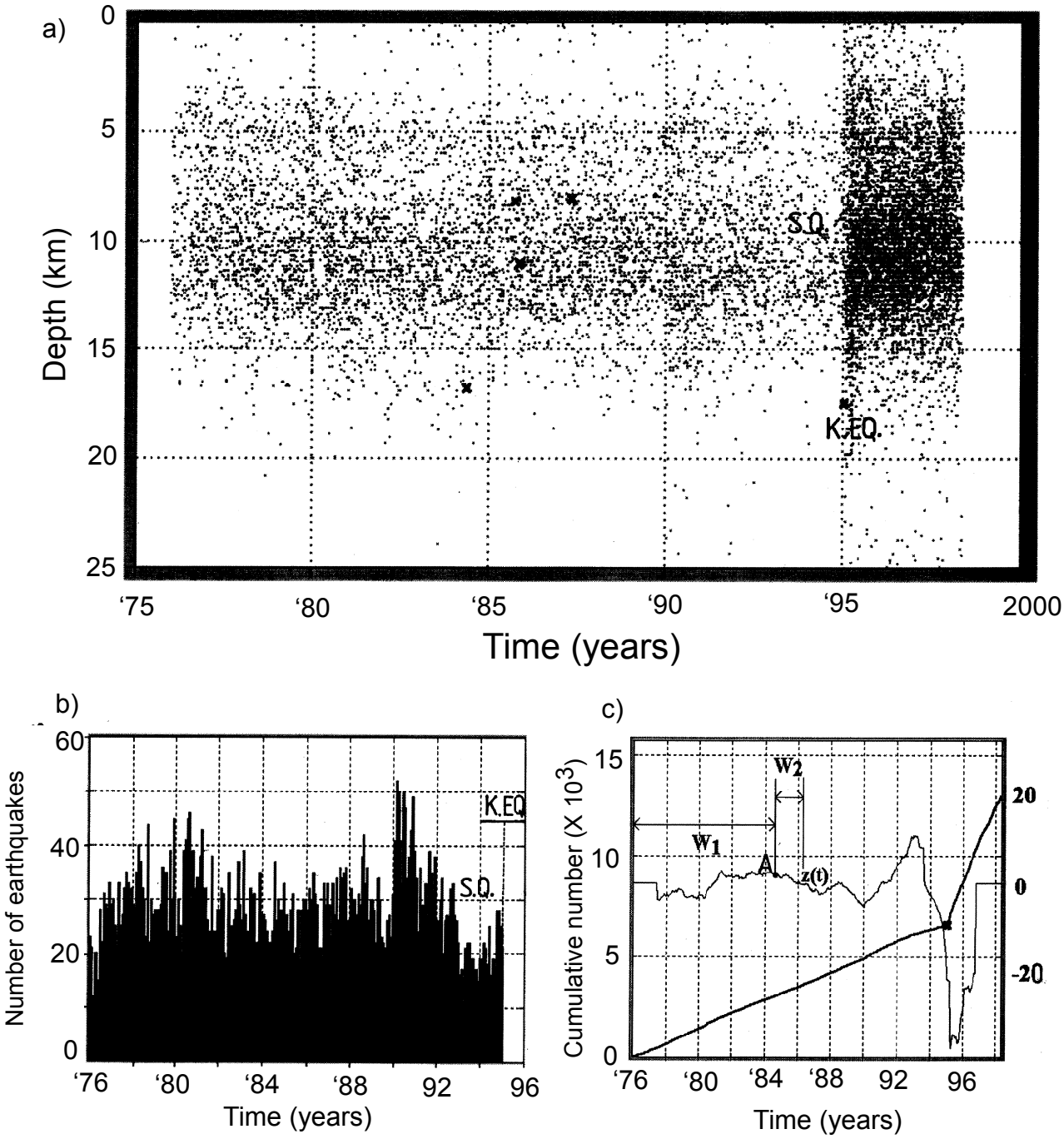

Fig. 2.5 a) Time-depth distribution of the earthquakes with M >= 1.5, between 1976-1998, for the declustered catalogue. Cross signs indicate moderate sized earthquakes with M >= 5. K. EQ. shows the hypocentre of Kobe earthquake and S.Q. indicates seismic quiescence.

b) Histogram of the monthly number of earthquakes (M >= 1.5) for the declustered catalogue from 1976 to the 1995 Kobe earthquake. S.Q. indicates seismic quiescence and K. EQ. indicates the Kobe earthquake.

c) Statistical analysis of the declustered catalogue. Cumulative number curve (scale in the left side of the graph) and the function z(t) (scale in the right side of the graph). The maximum value of z is 10.4 in January 1993. w2 is taken to be 1.5 years. The graph shows schematically the windows w1 and w2 at point A.