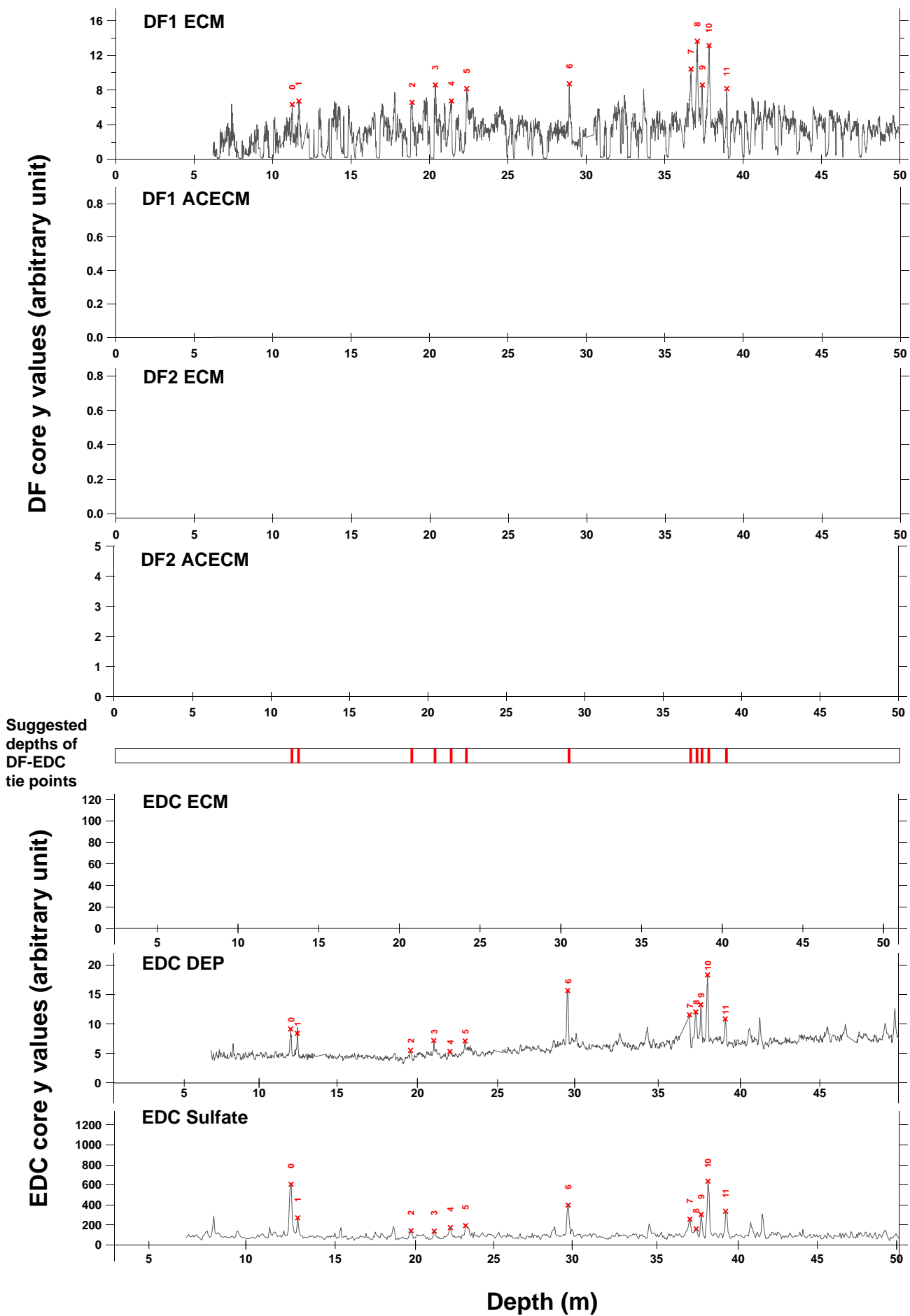
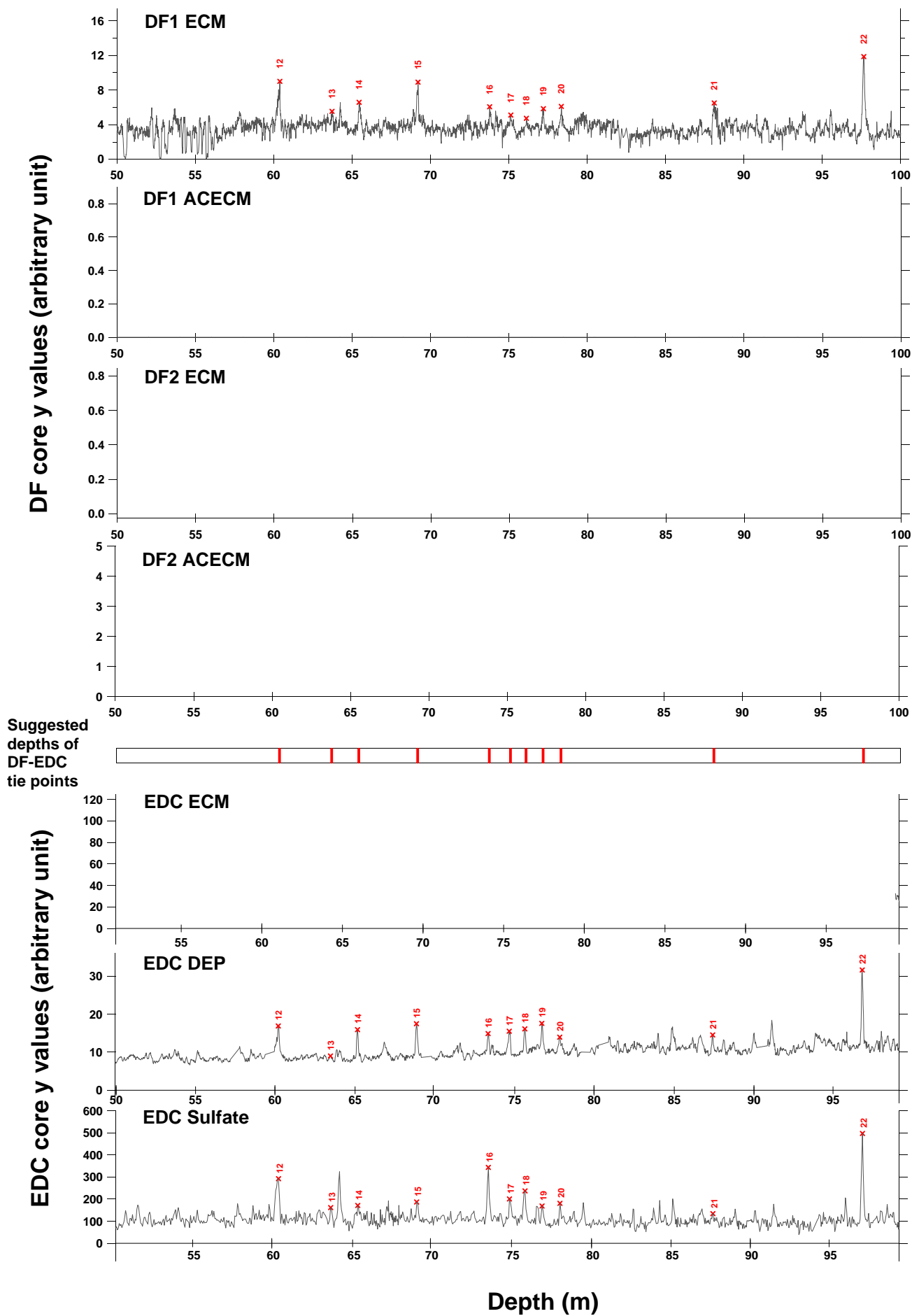


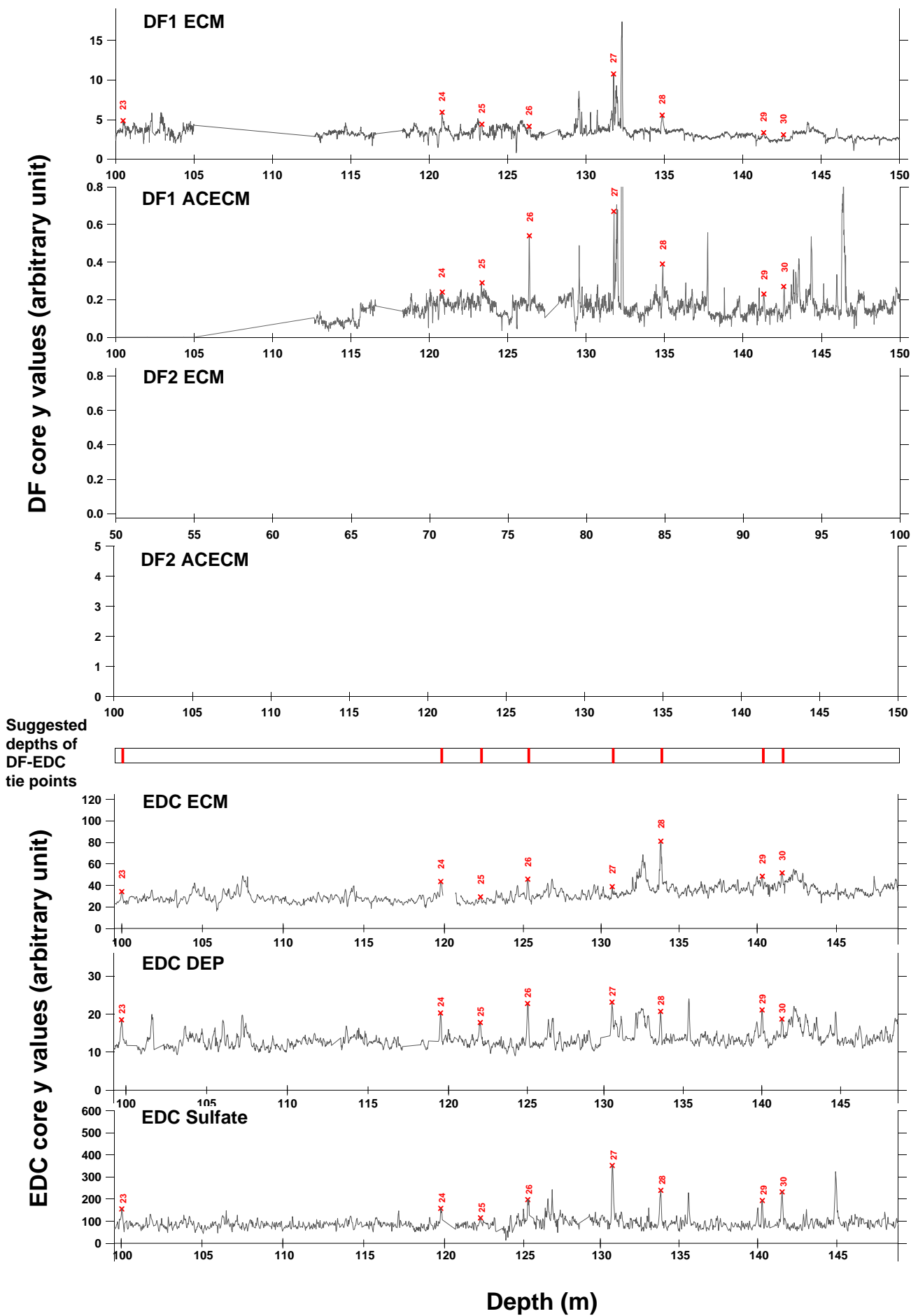
Supplementary Information A

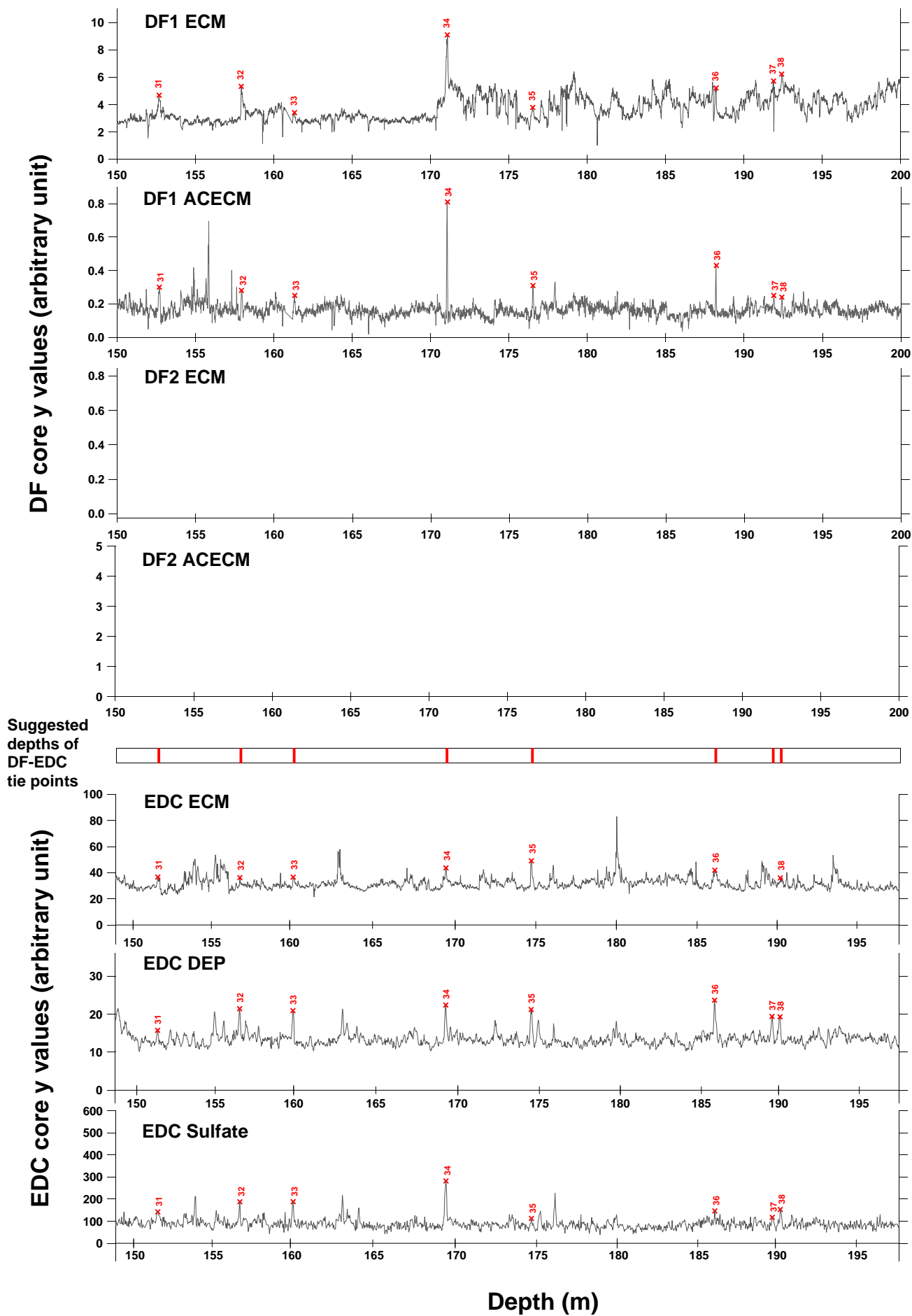
All tie points of the volcanic synchronization between Dome Fuji and EPICA Dome C Antarctic deep ice cores

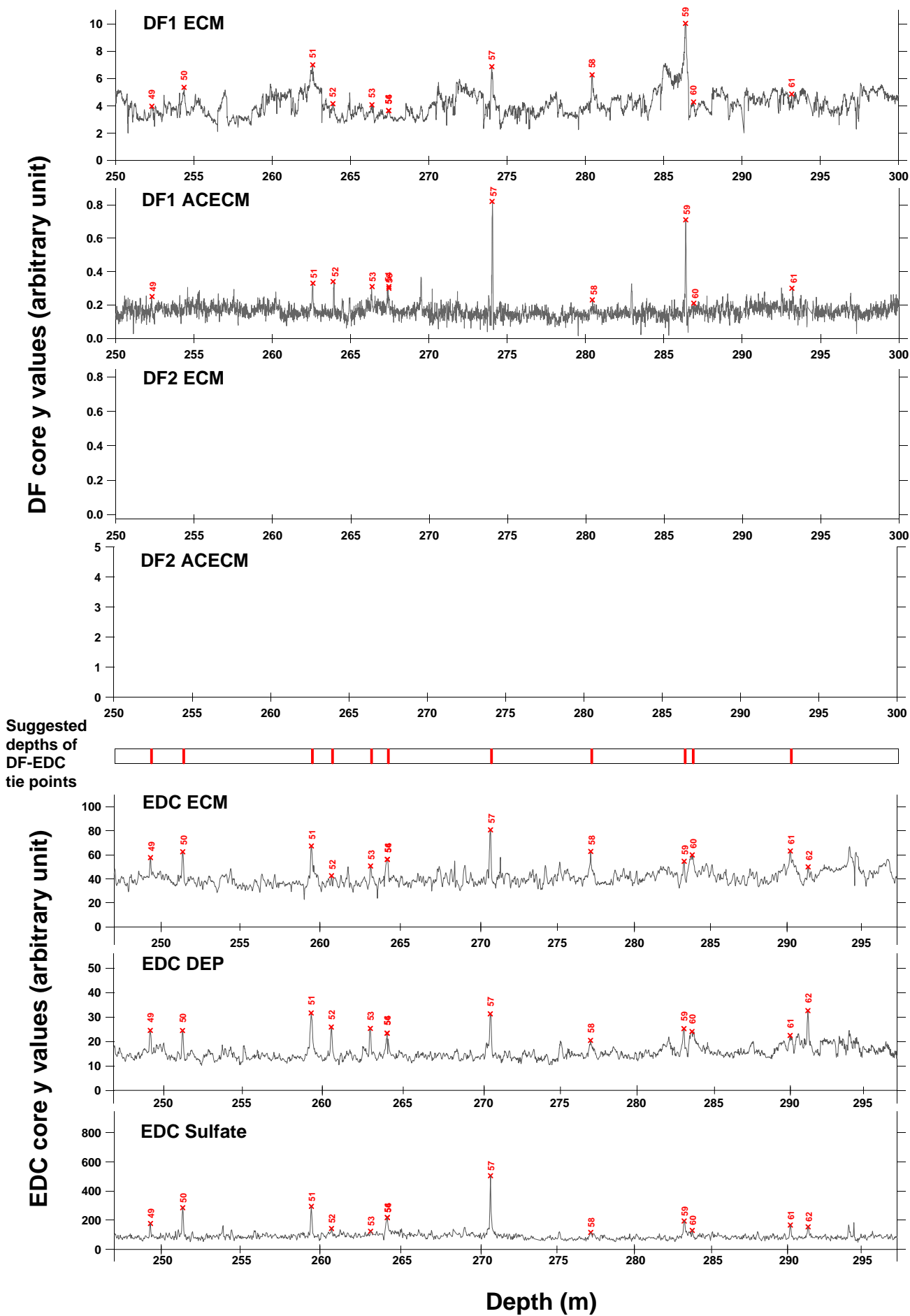
For the volcanic synchronization between Dome Fuji (DF) and EPICA Dome C (EDC) Antarctic deep ice cores, we extracted many tie points. Here, we provide 80 sets of figures to show all the tie points. With these figures, readers can check the extracted tie points based on pattern matching. At each page, data of the ice cores (ECM, DEP, ACECM and sulfate) are given. On the graphs, features of ice core signals that were judged as common events are shown as red symbol markers. In all, we extracted more than 1700 sets of links. However, from these sets of links, only a limited number (~1400) were related to the Dome Fuji - EDC pair of cores. The Remaining ~300 sets are closed links within either Dome Fuji or EDC, and the rest is related to the Vostok ice core. The Vostok ice core data are not shown here for simplicity. We gave ID number for each set of common events. These ID numbers are used only for the purpose of our synchronization work. The depth span of a figure is 50 m or 25 m on the Dome Fuji core. The depth scale of EDC core is also given. Note that in 4 sets of figures we used unpublished DEP data of the DF2 core for confirmation.

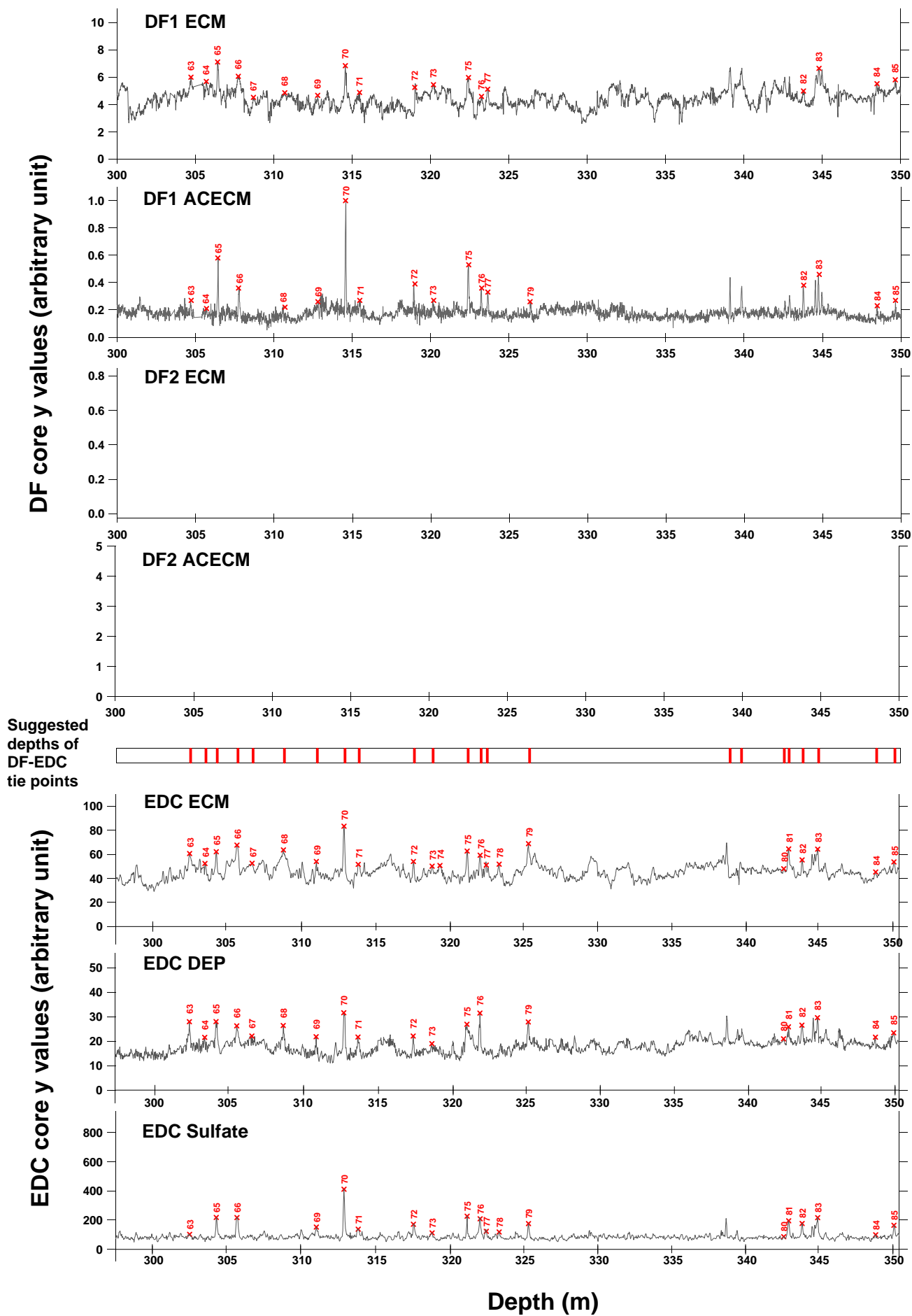


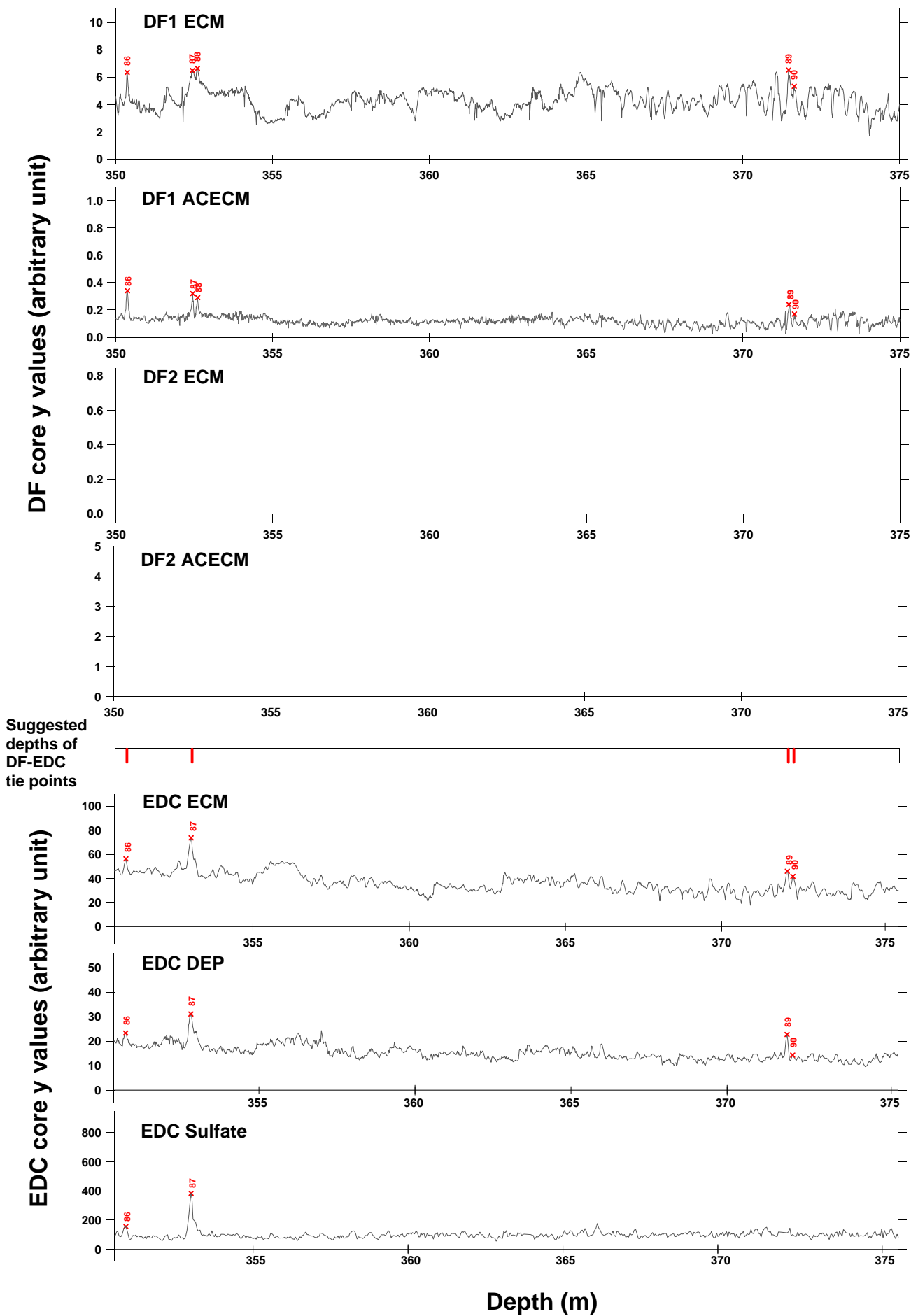


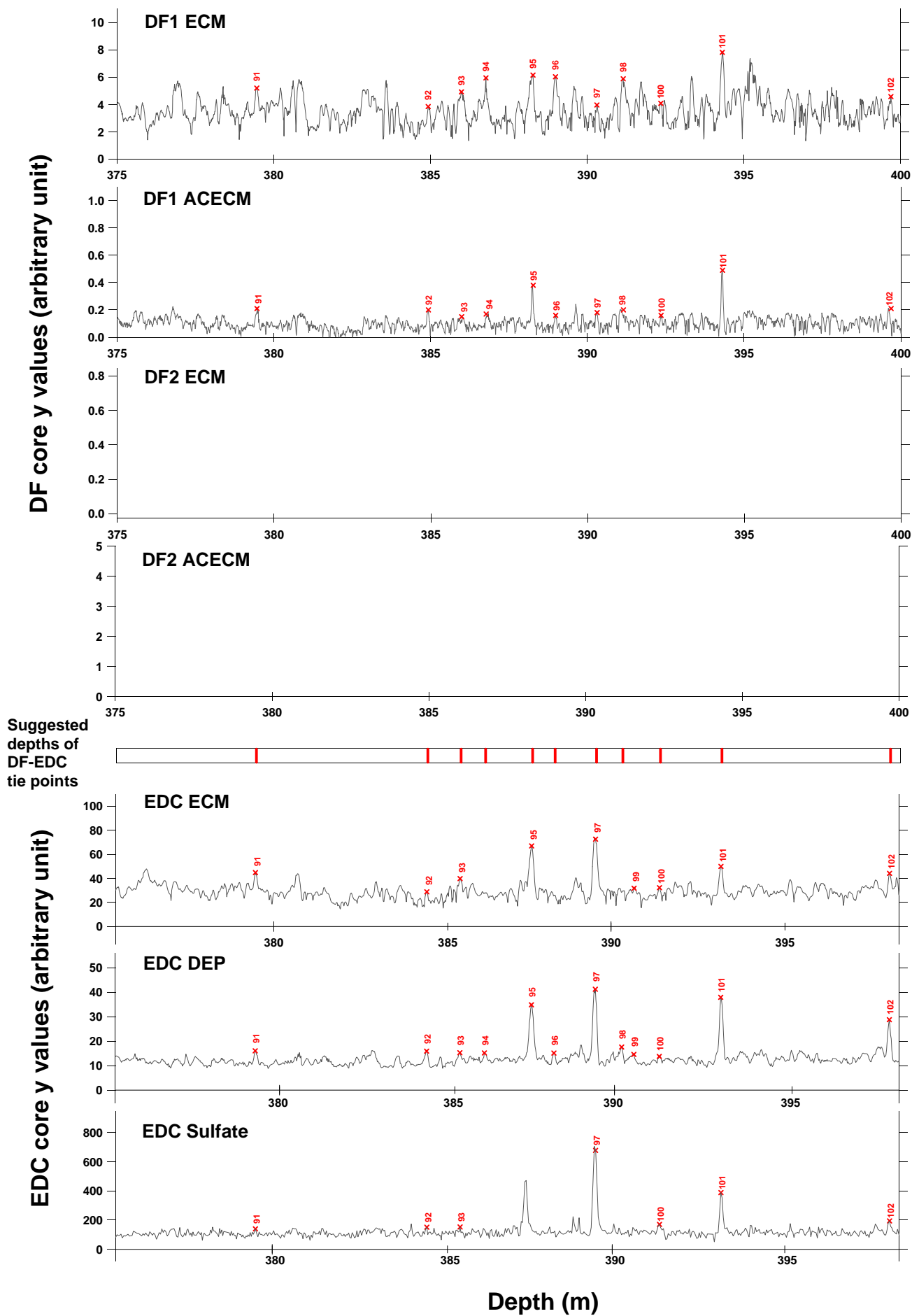


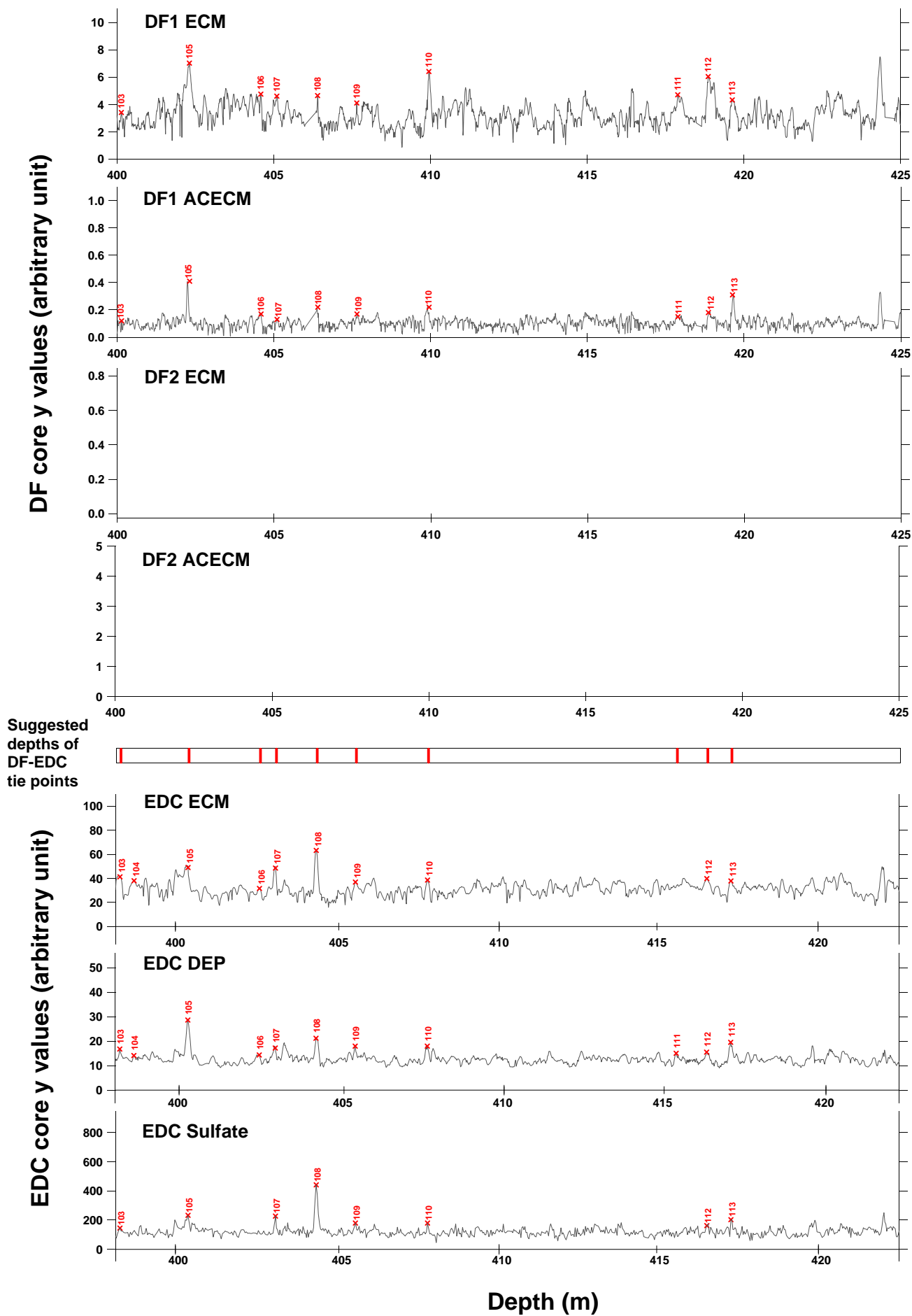


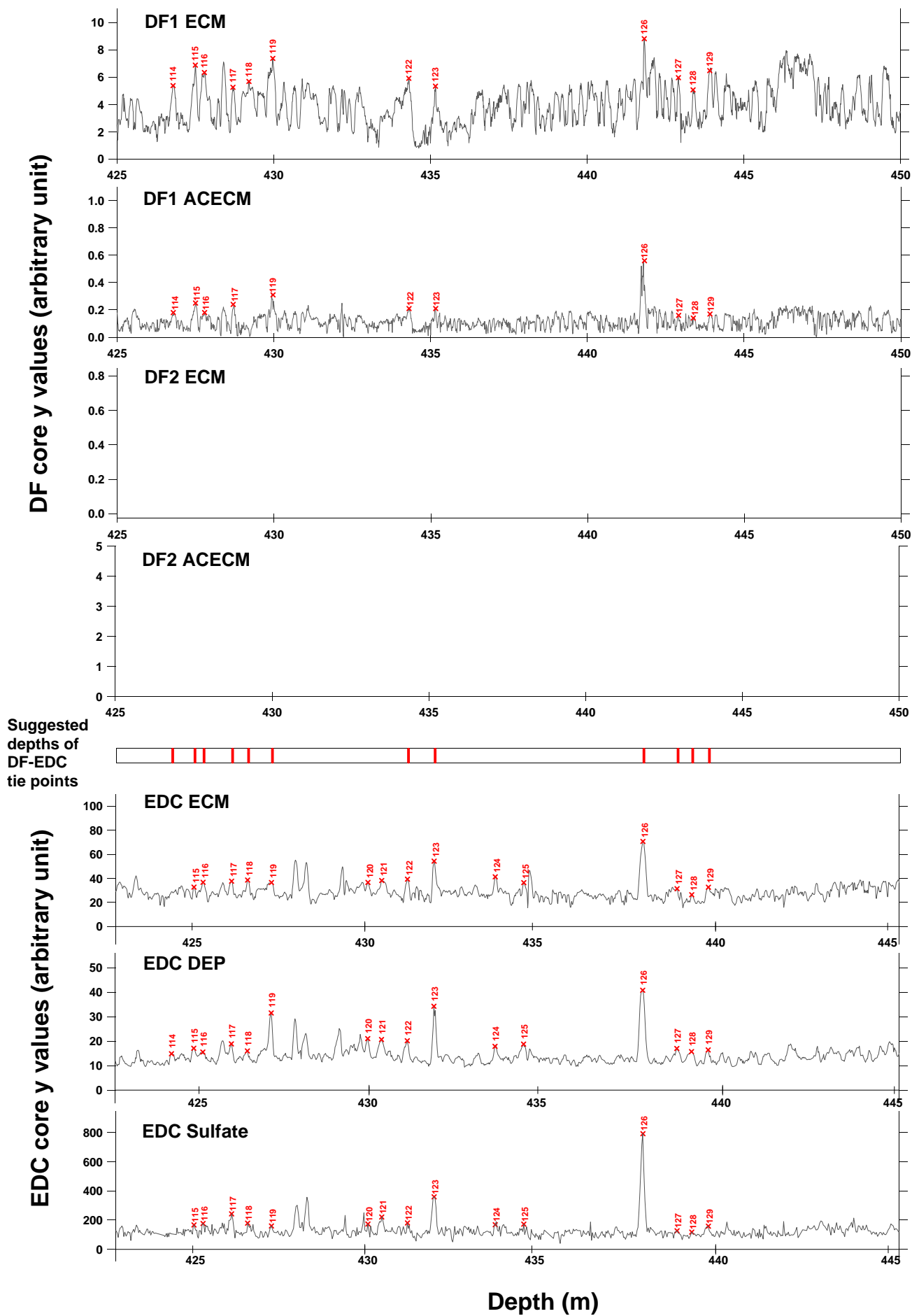


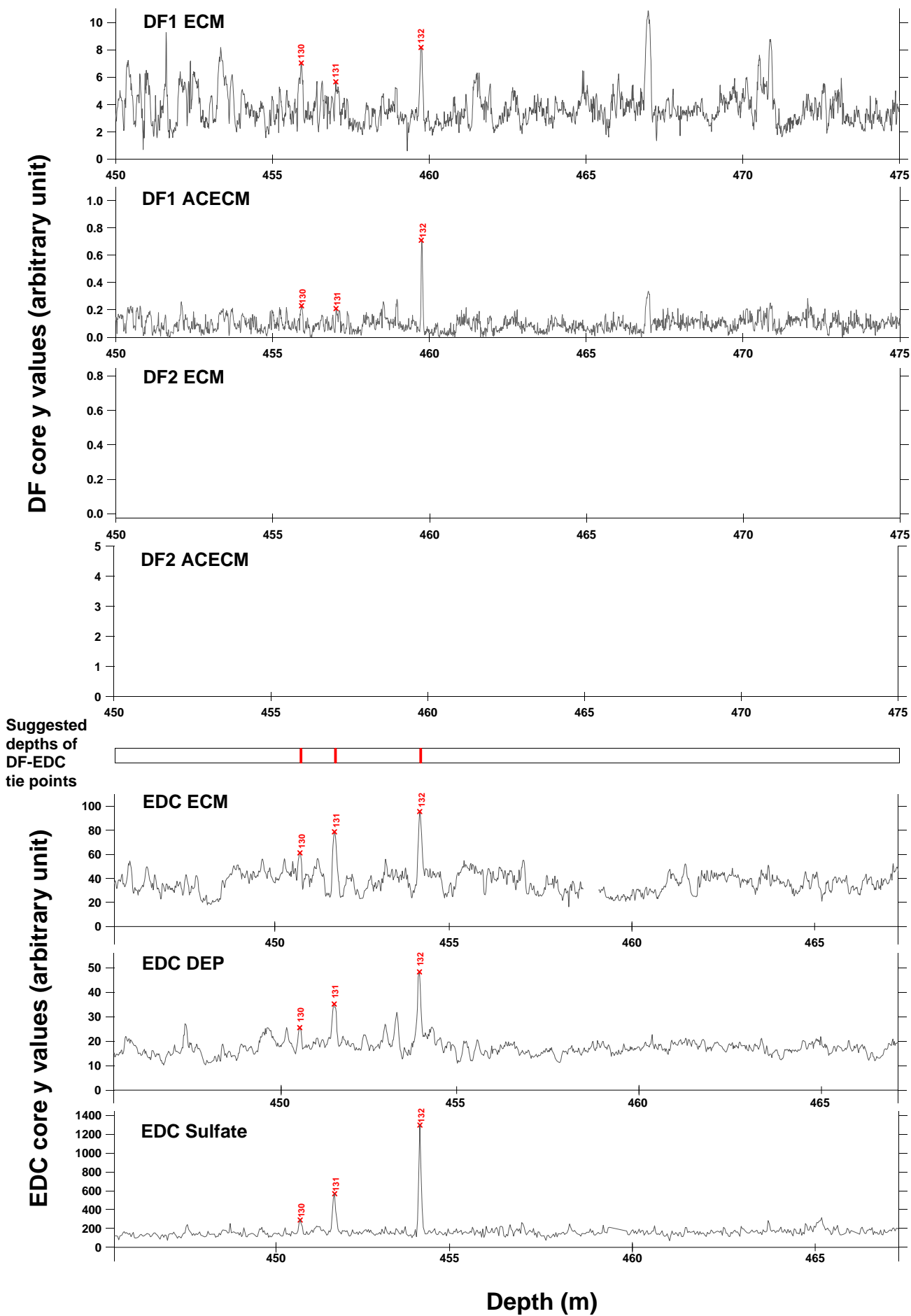


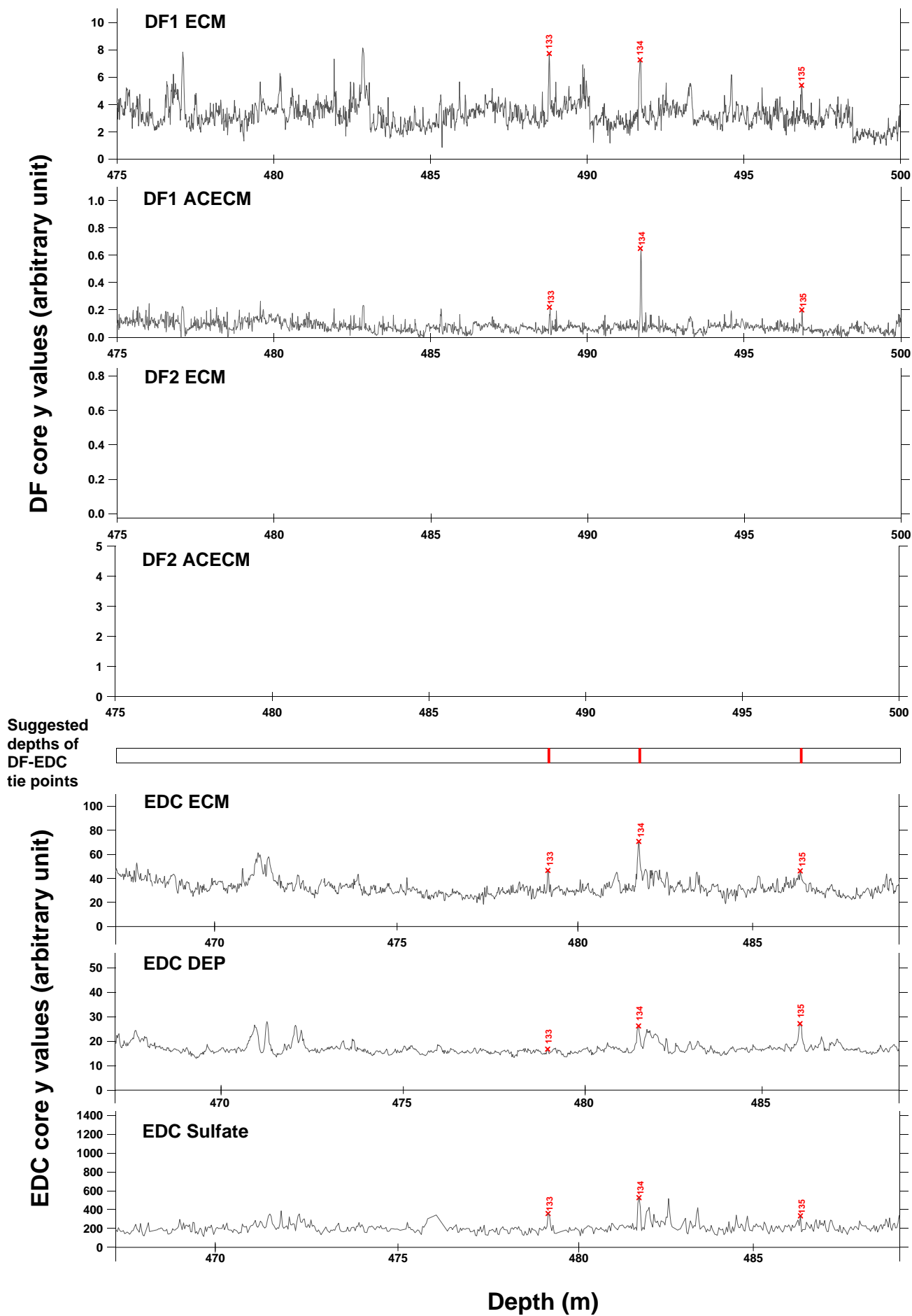


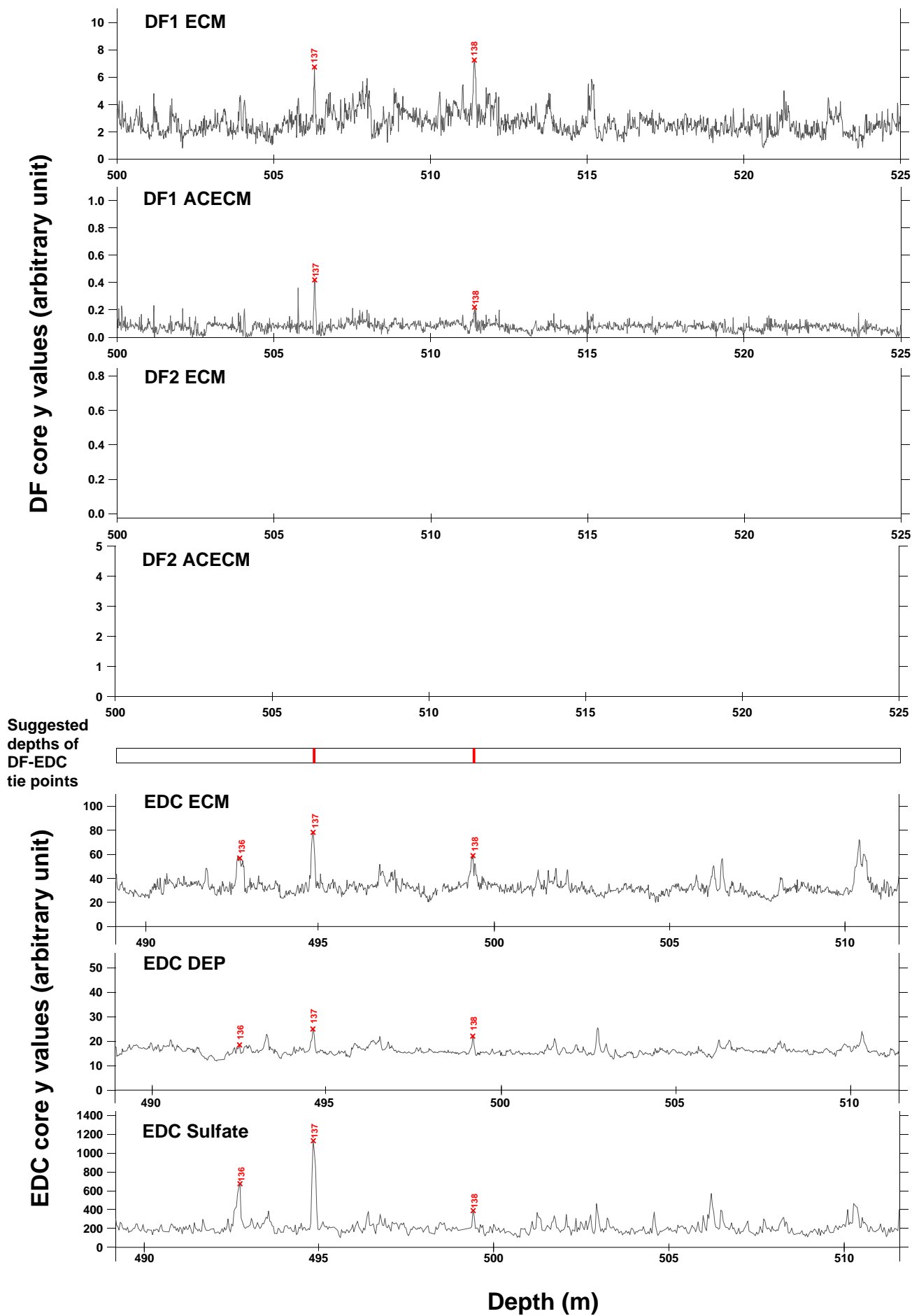


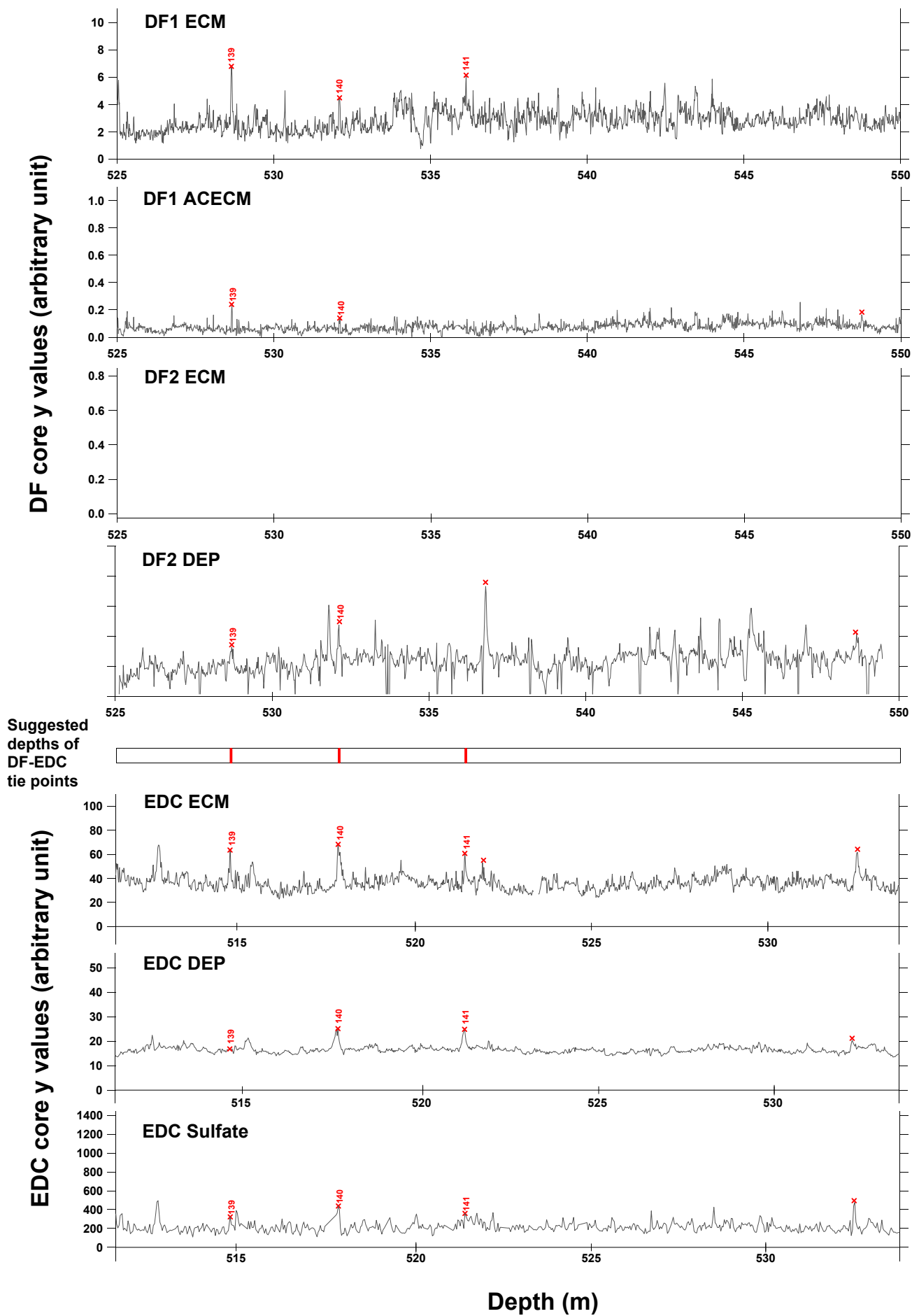


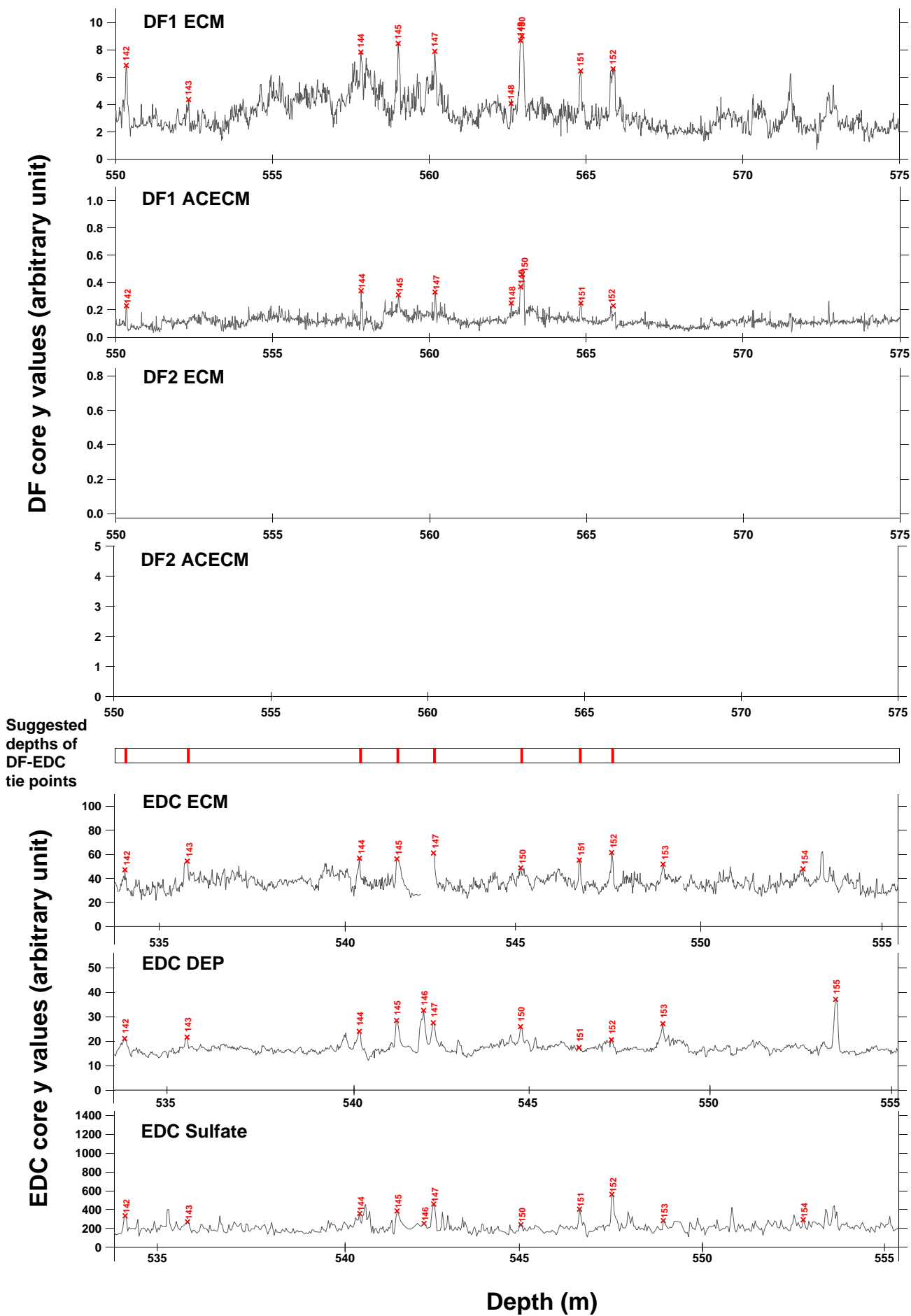


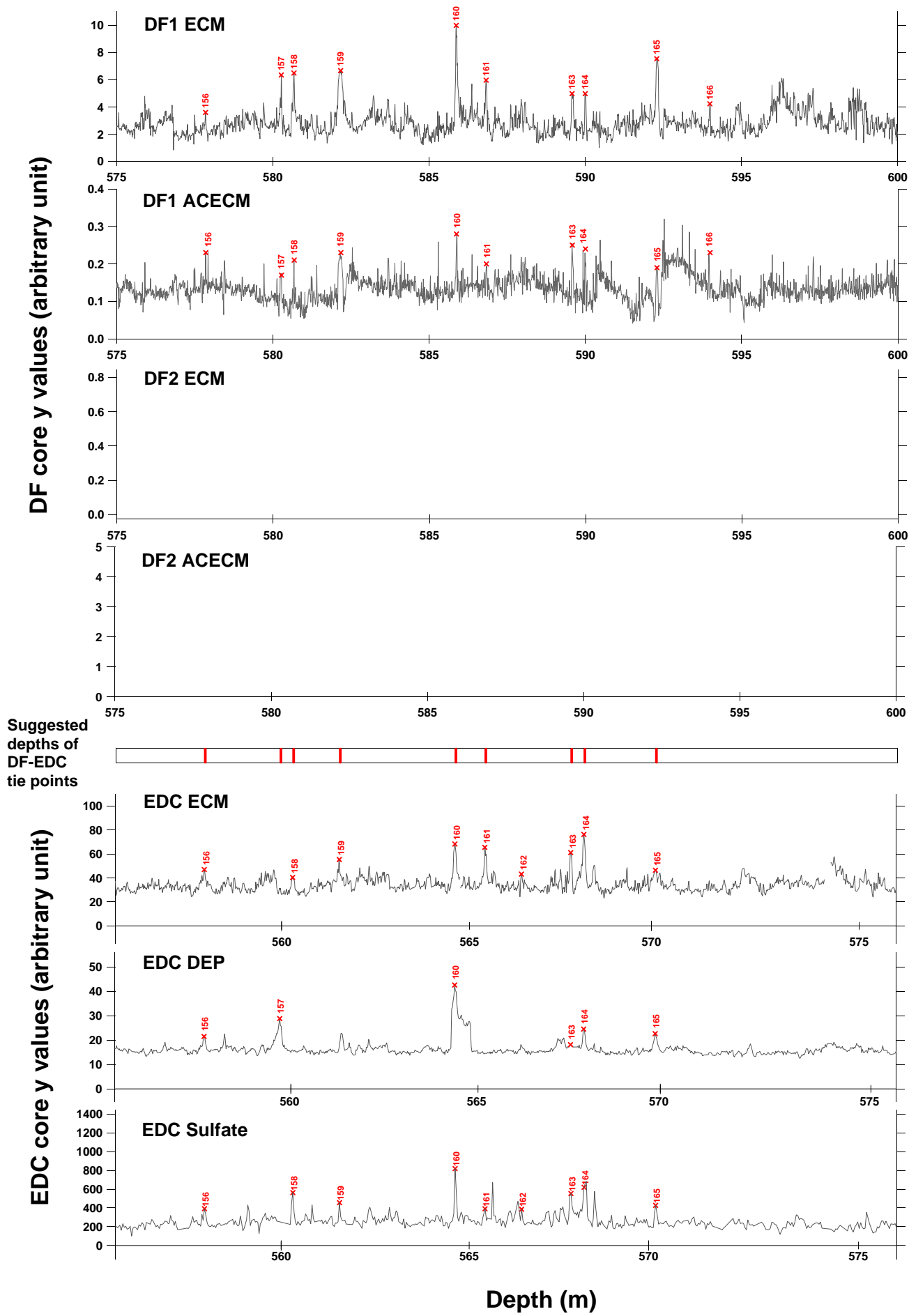


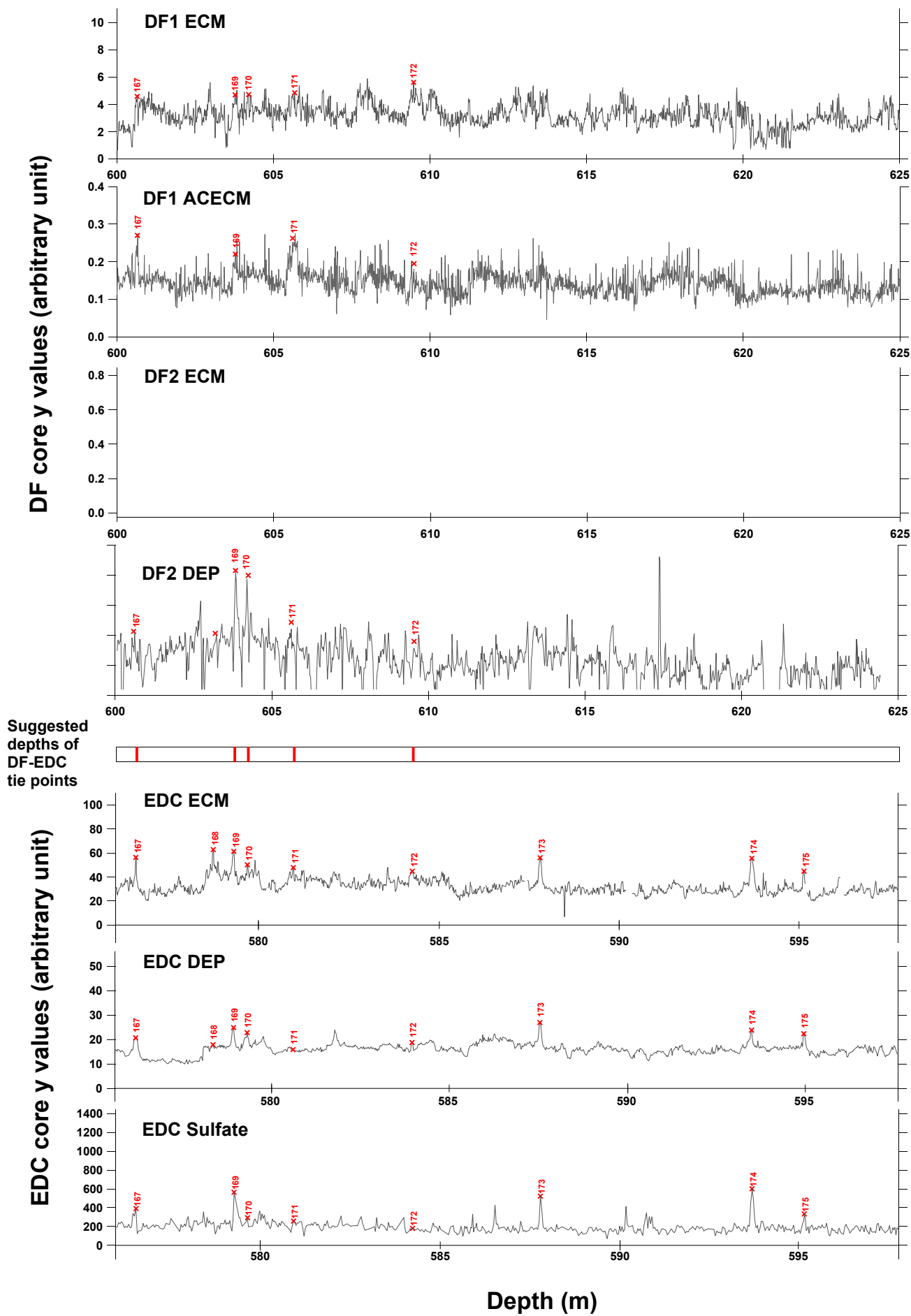


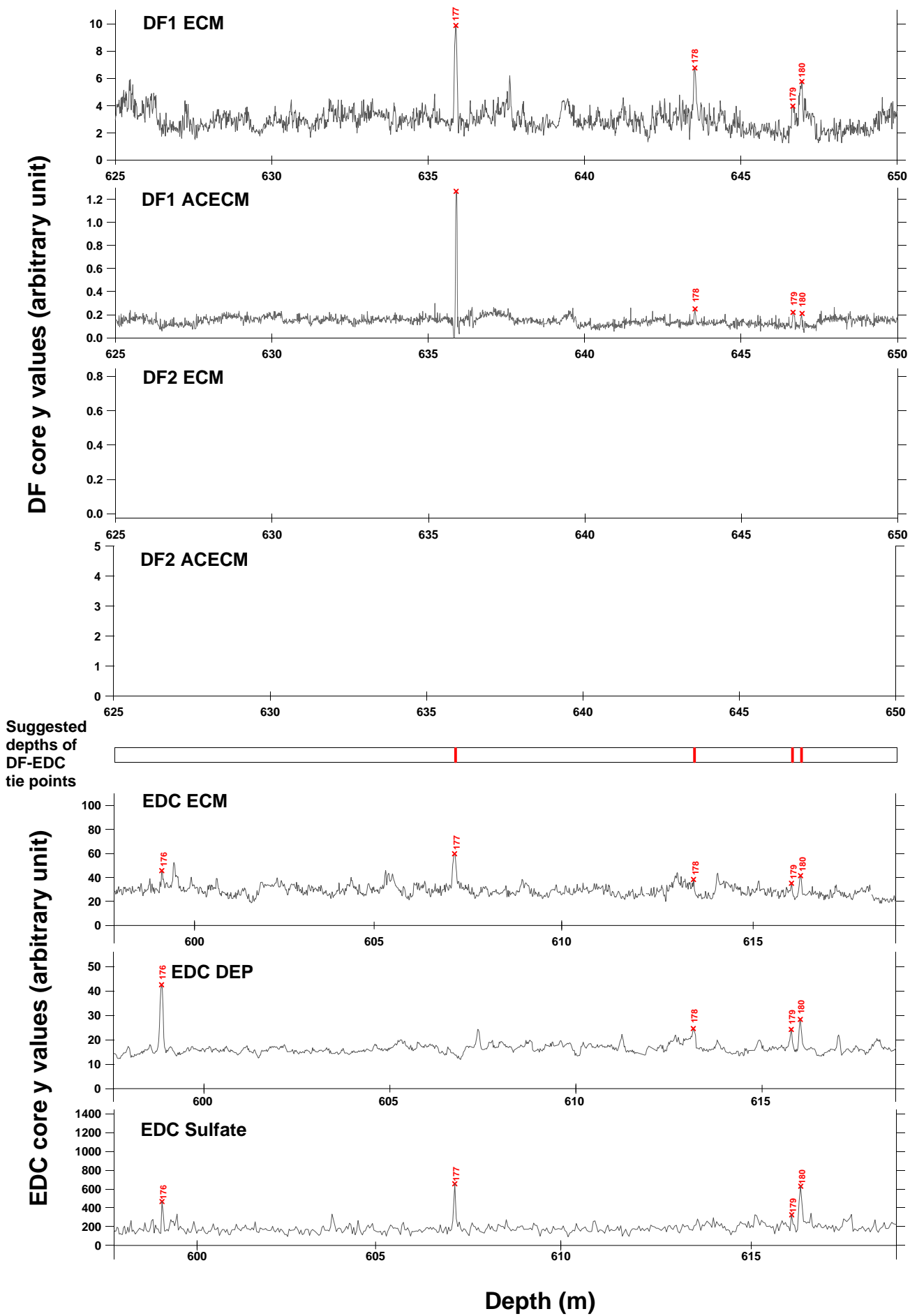


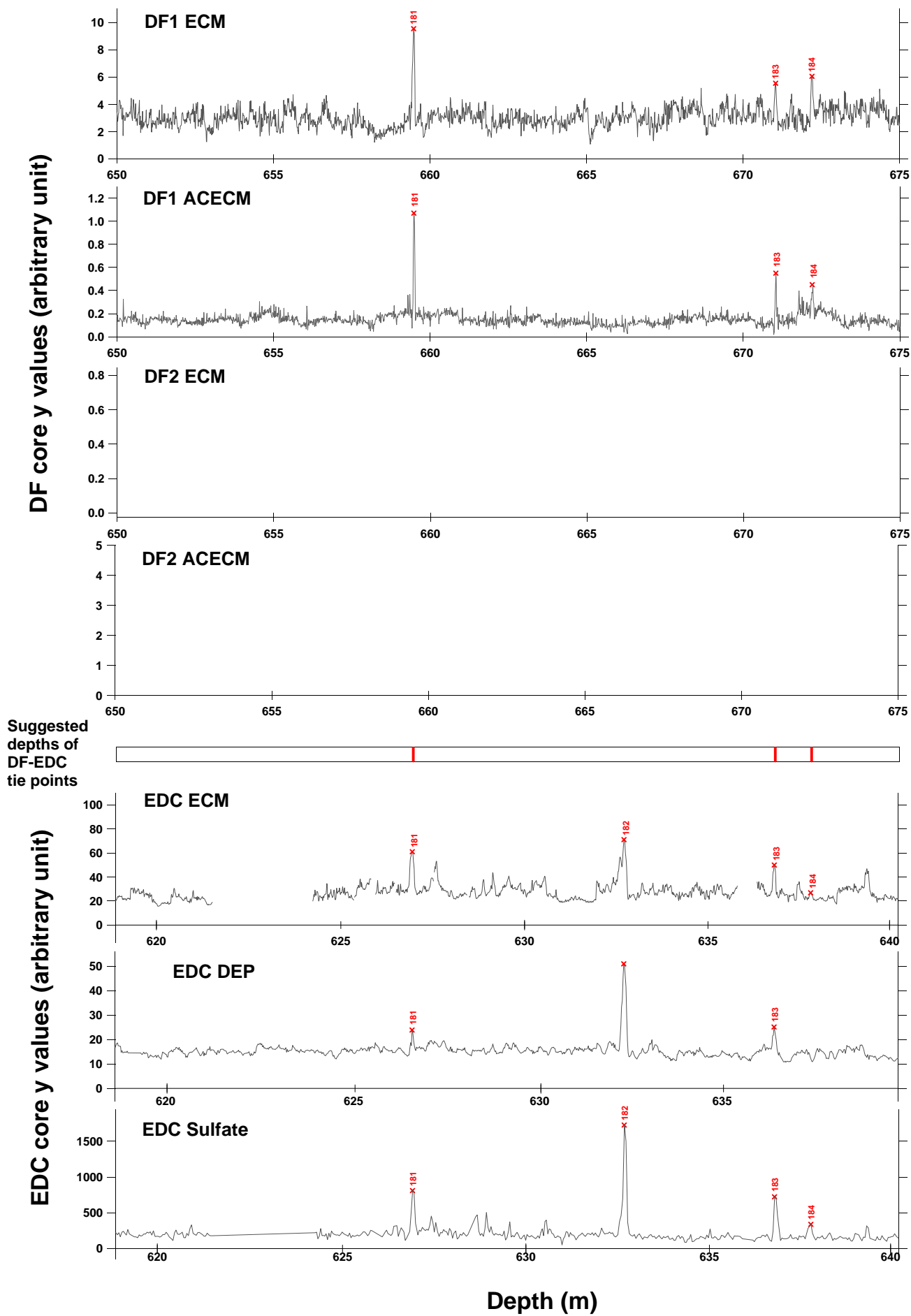


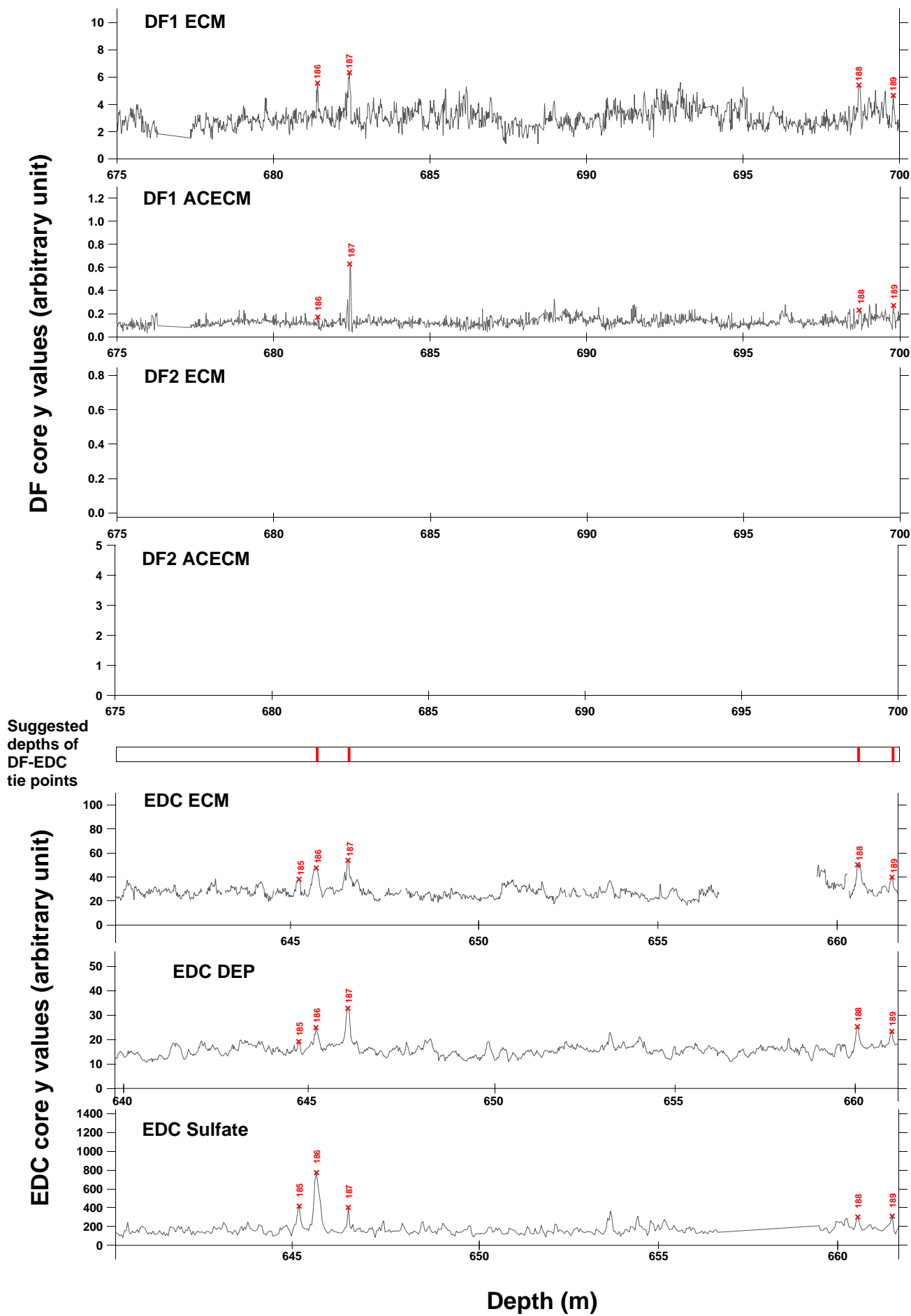


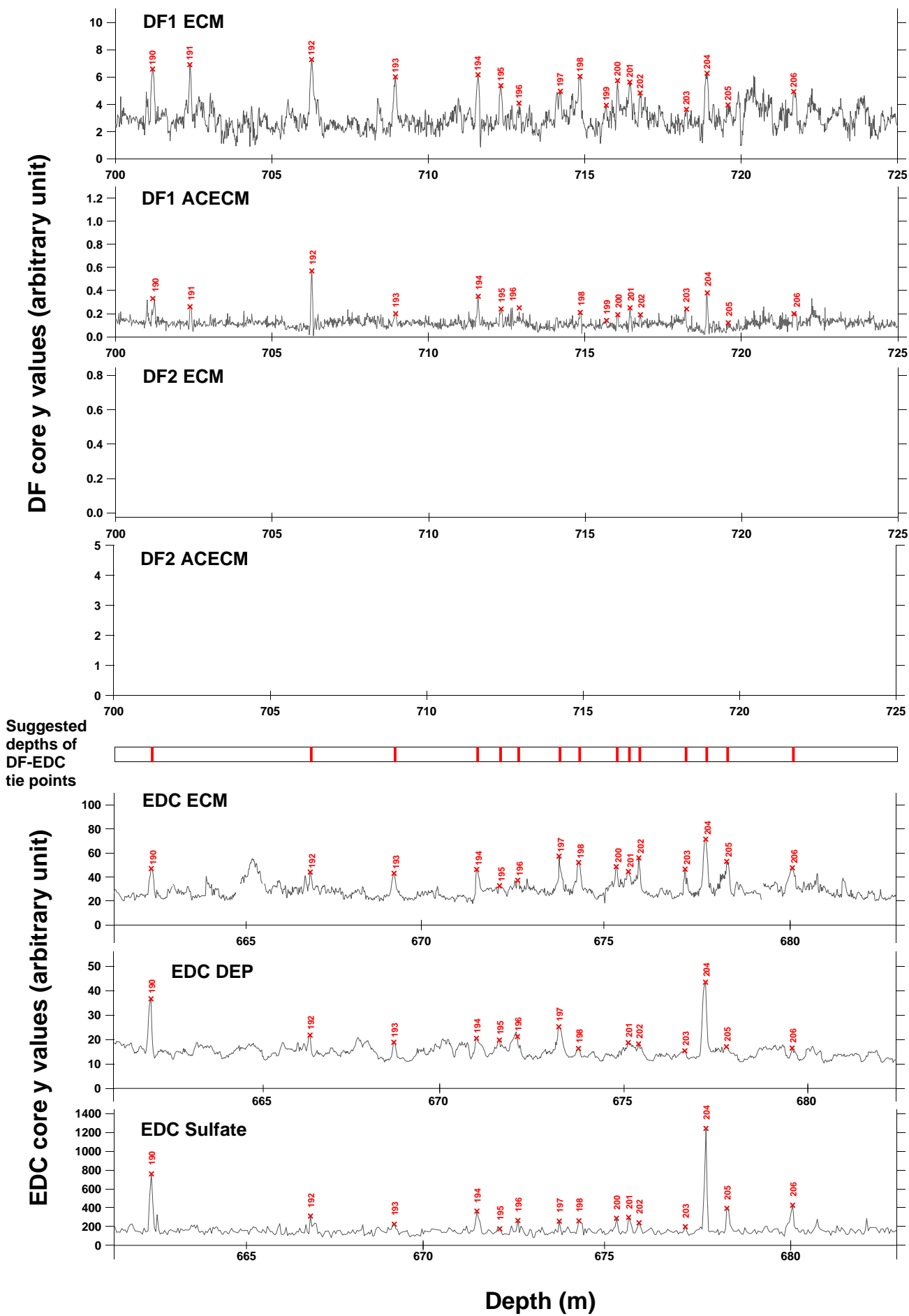


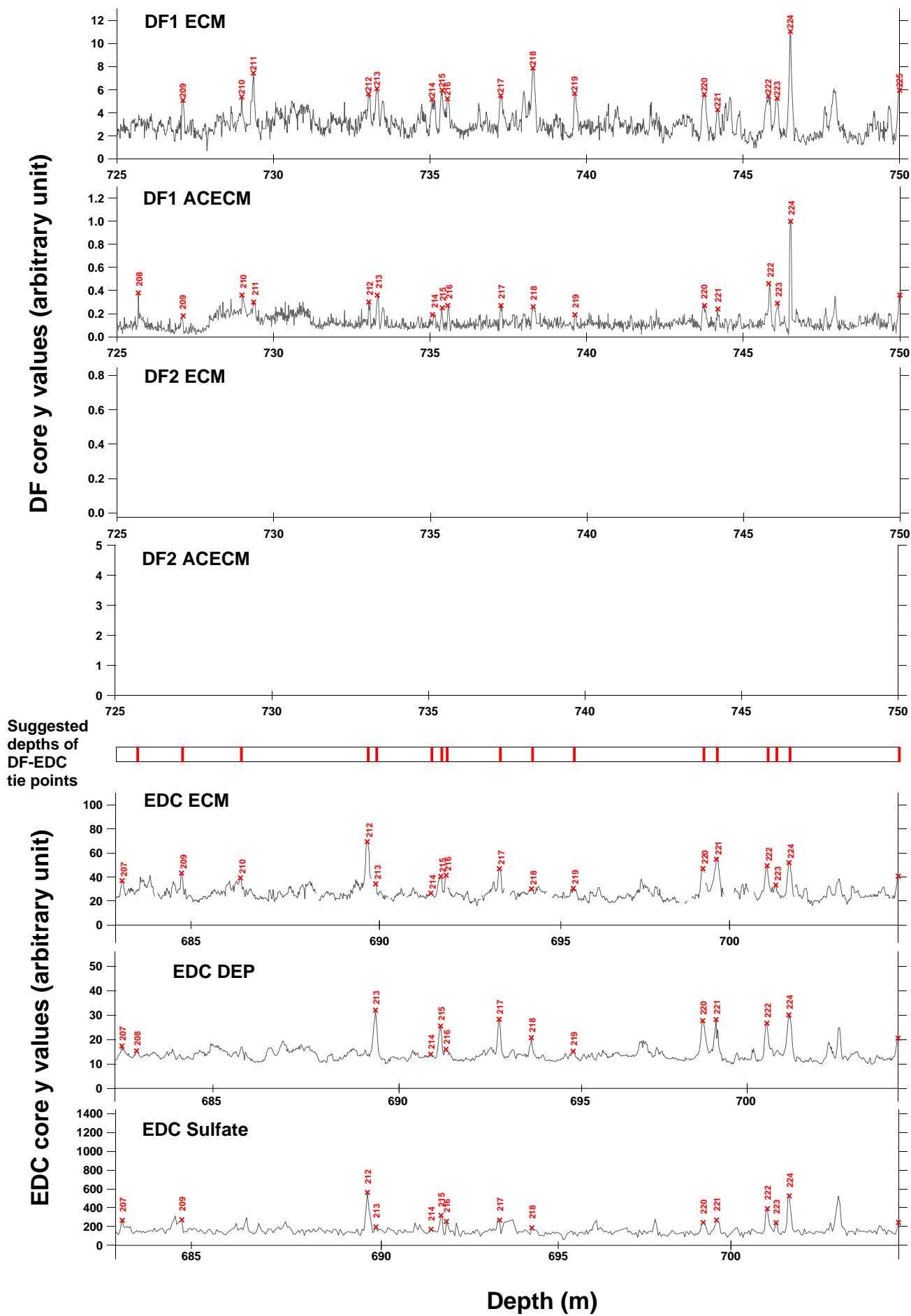


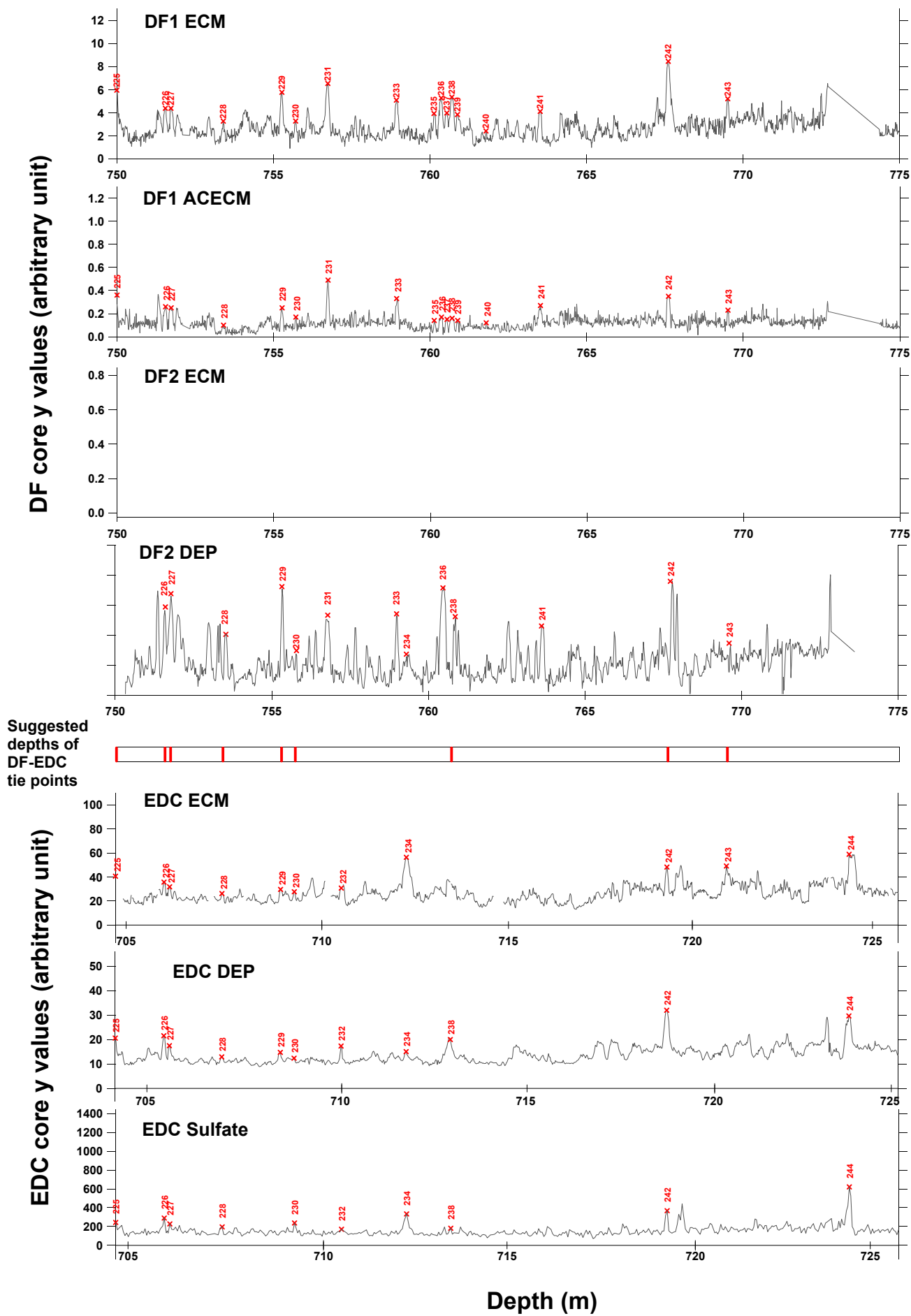


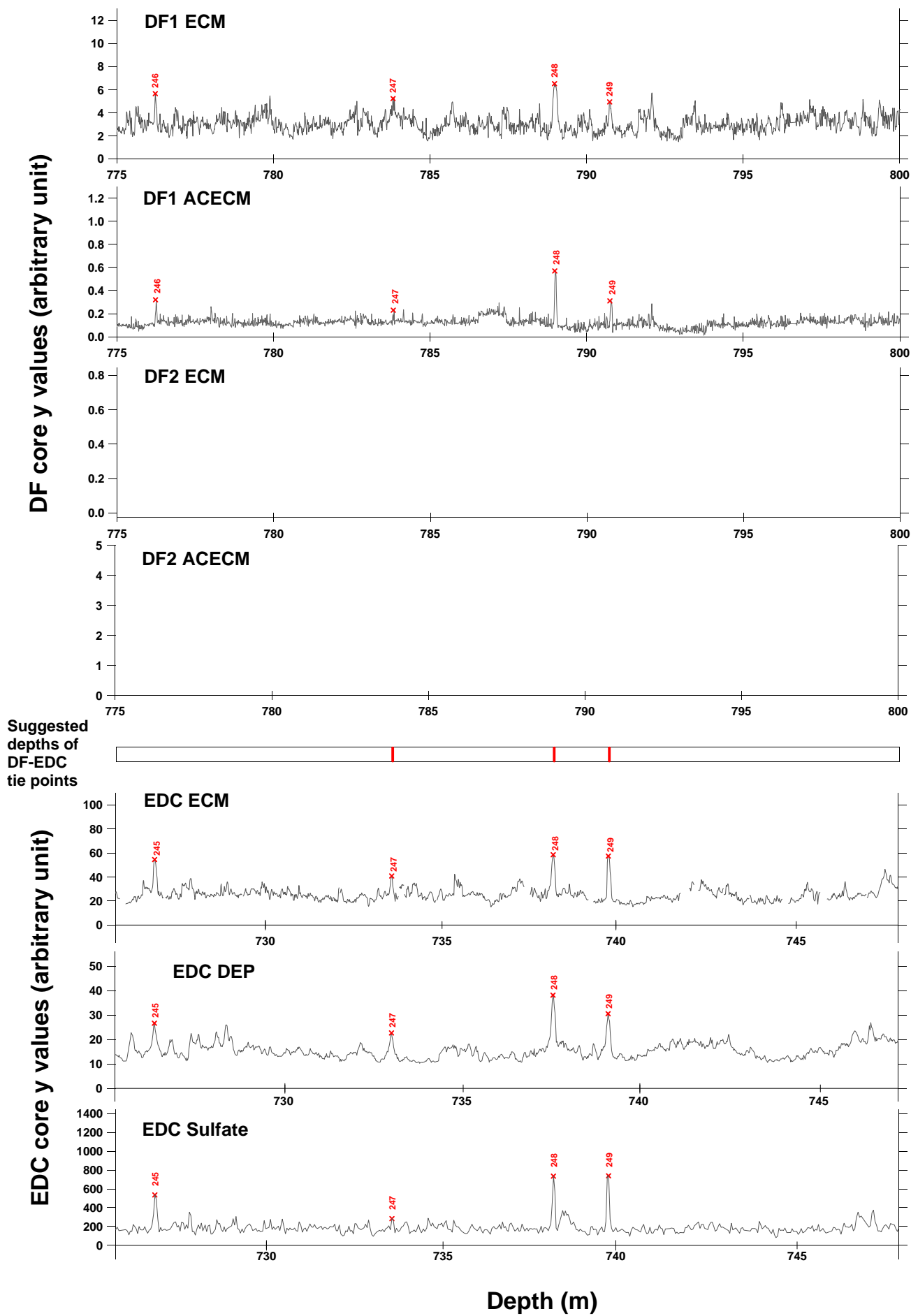


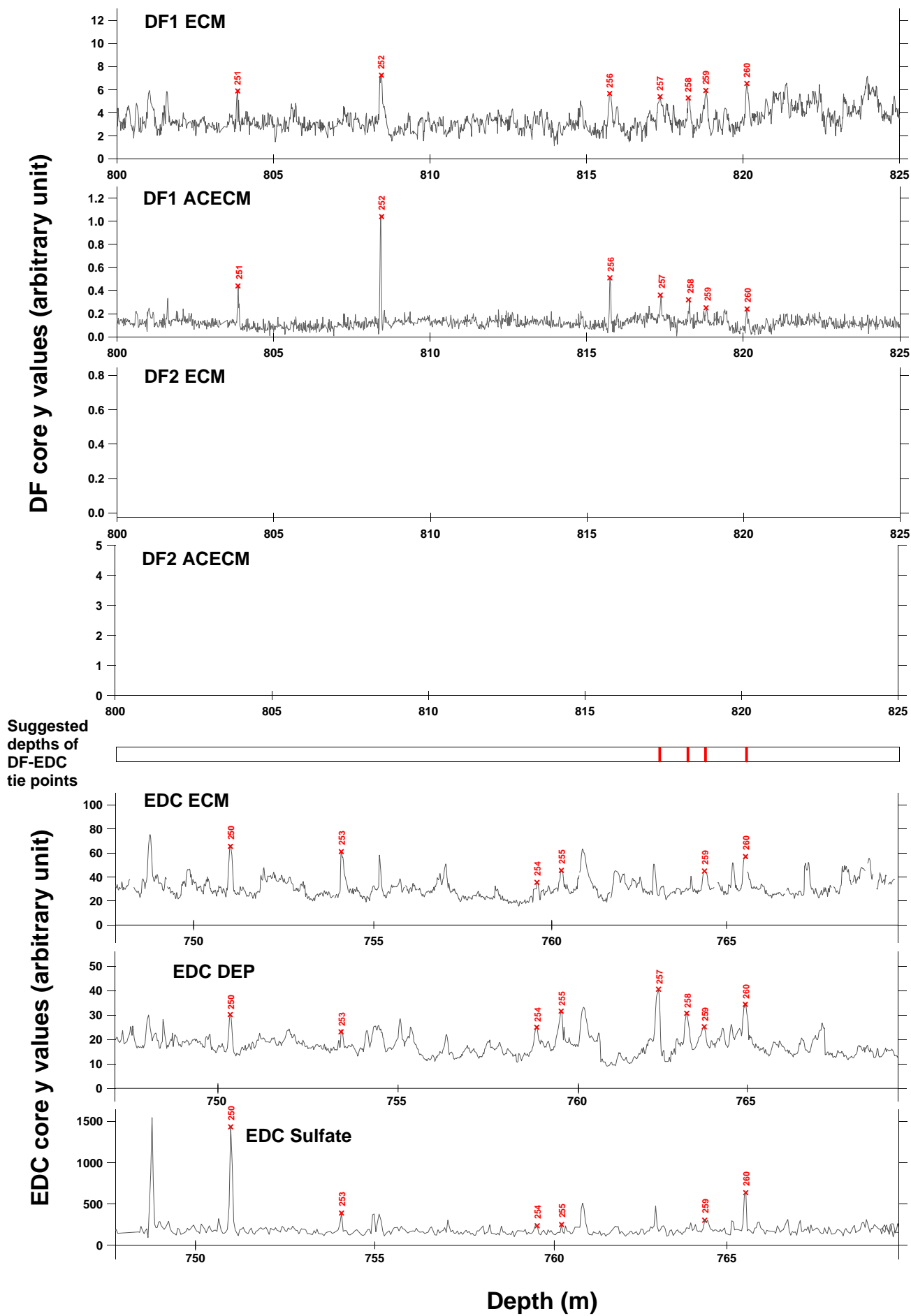


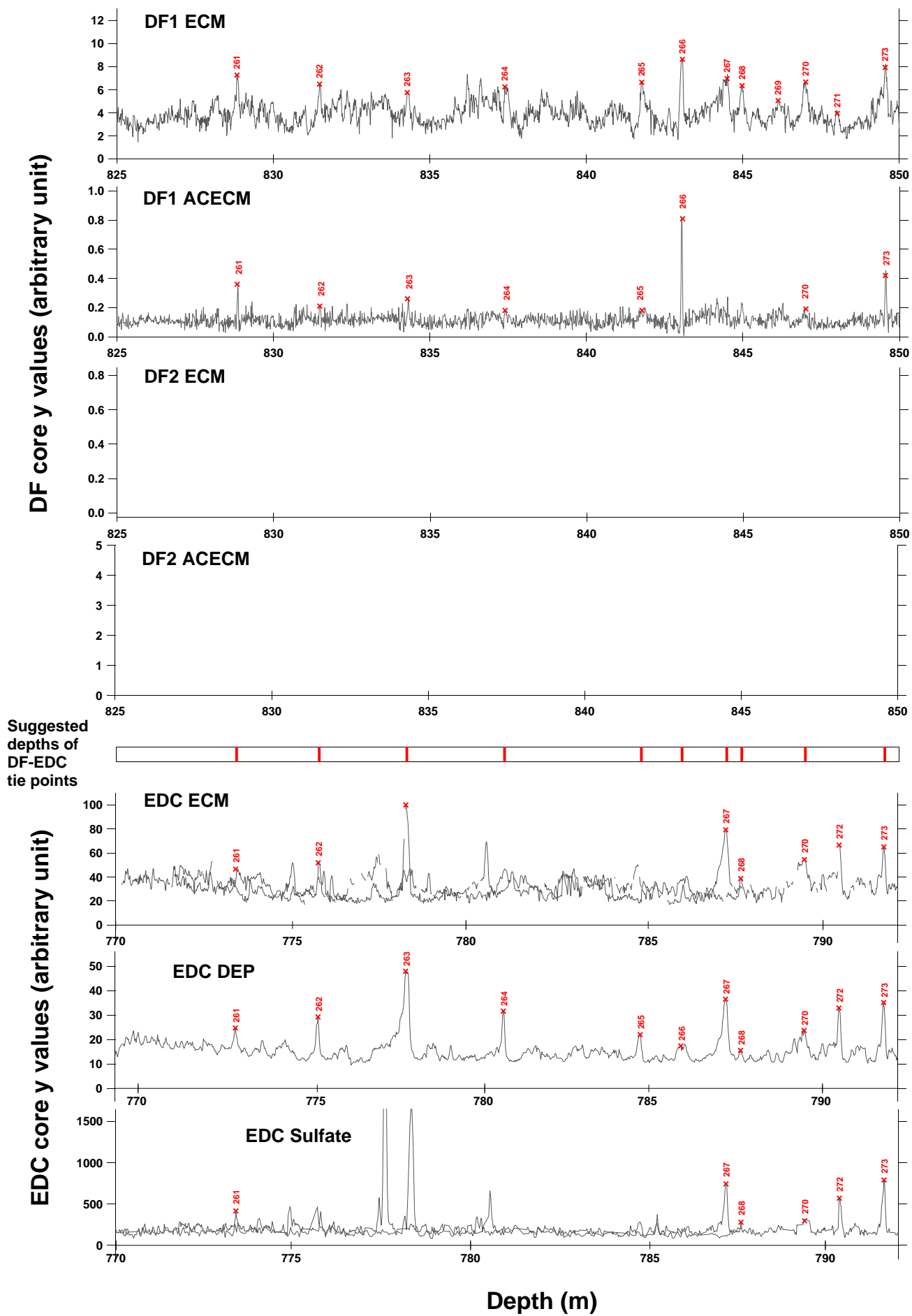


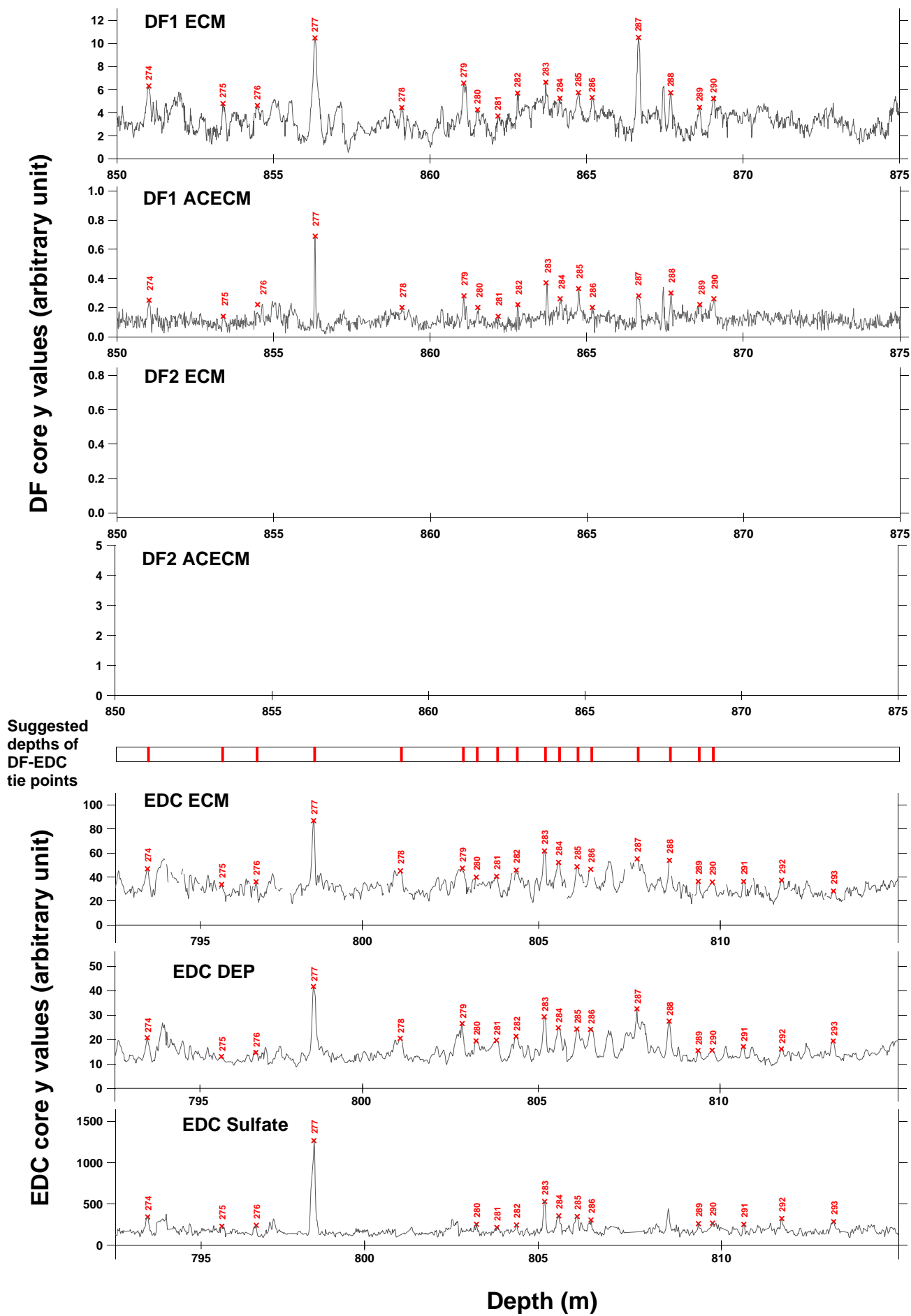


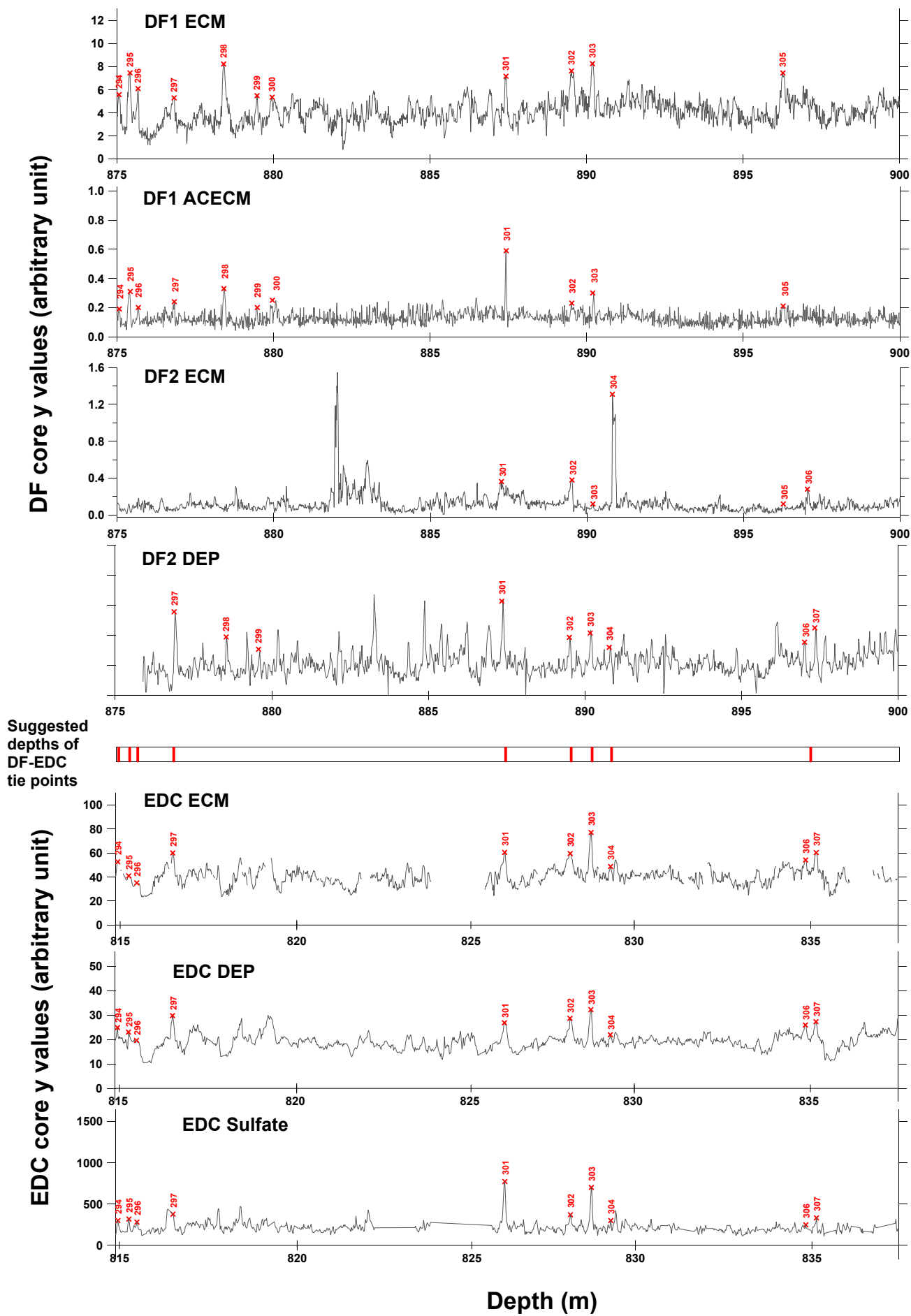


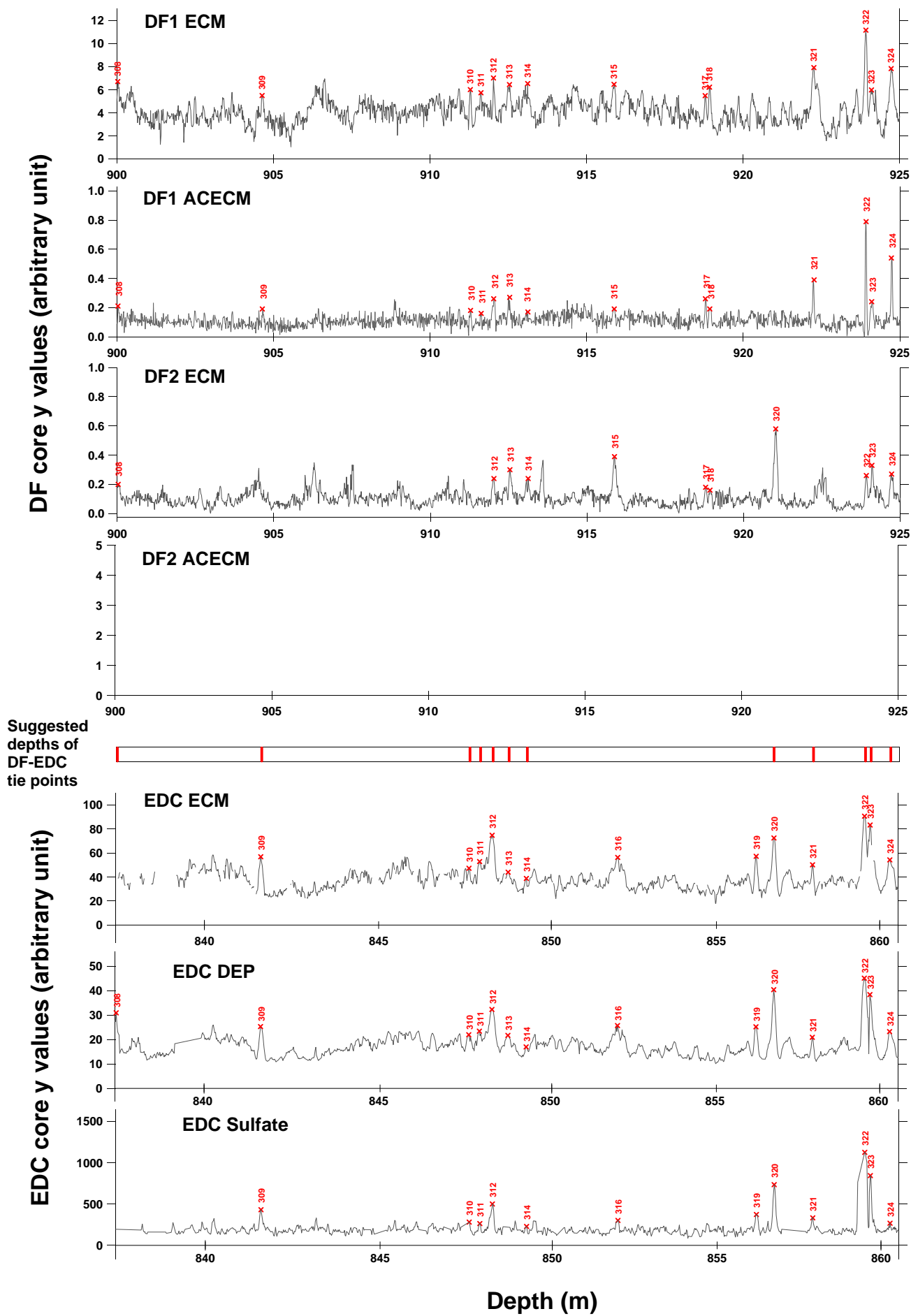


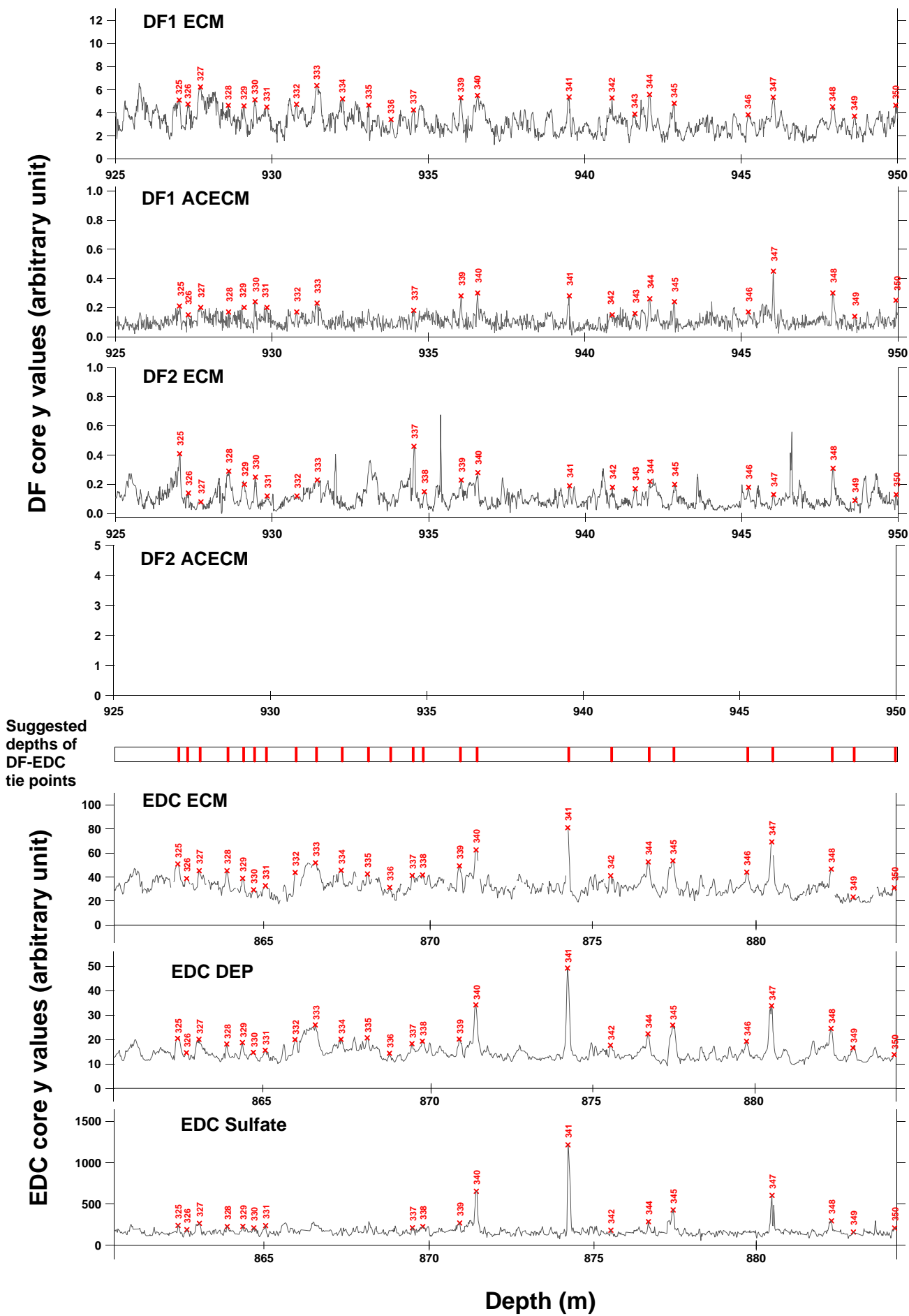


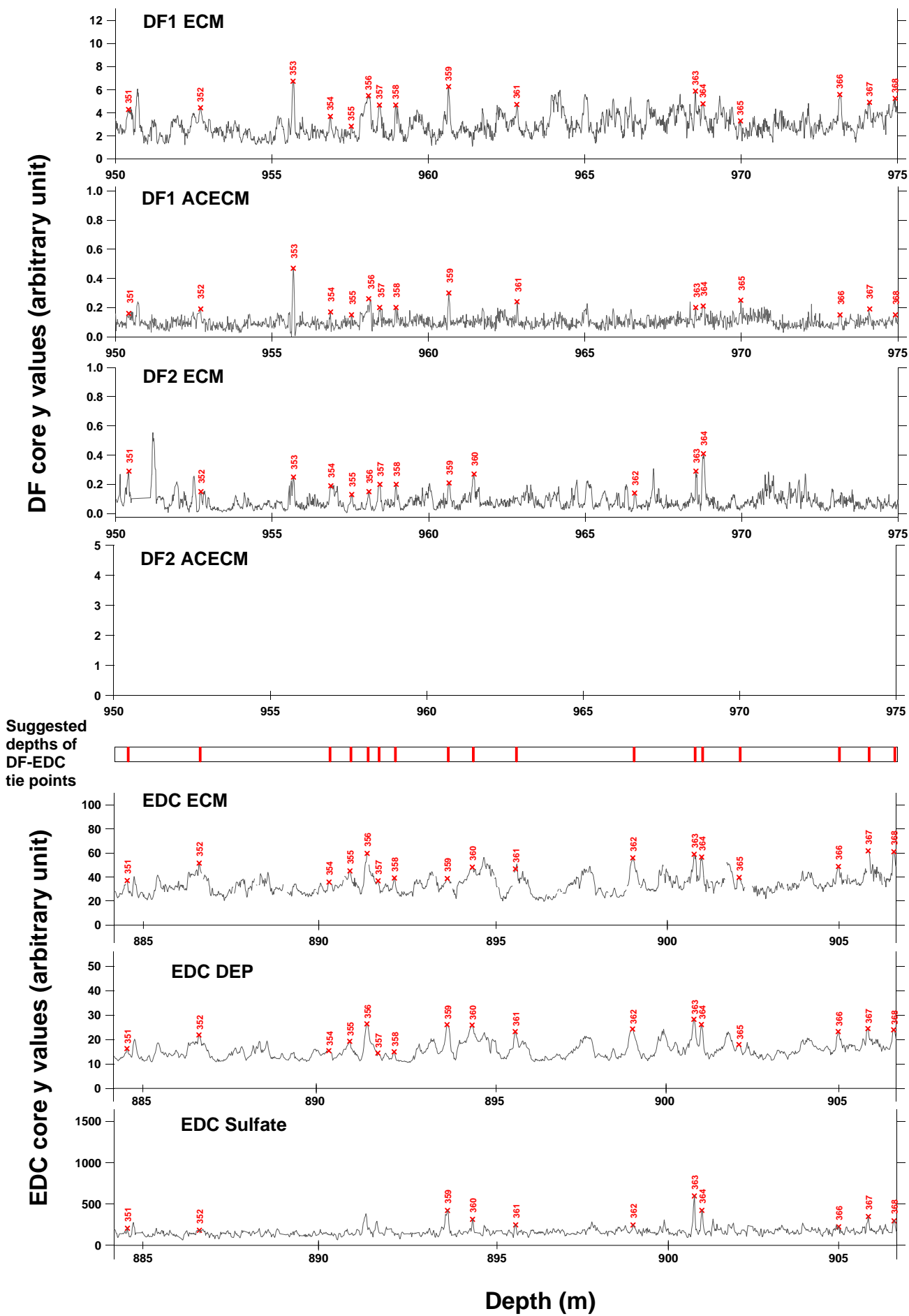


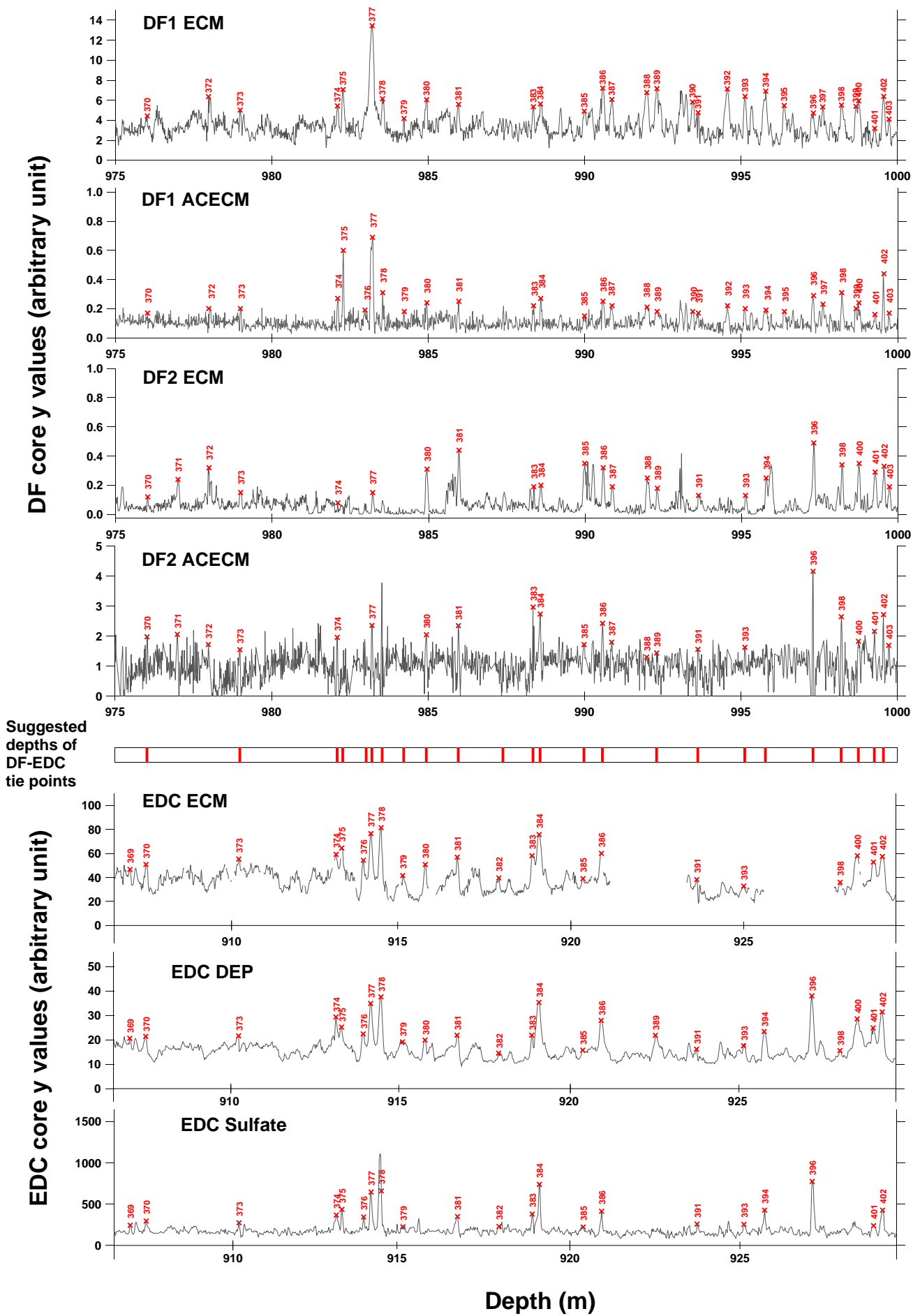


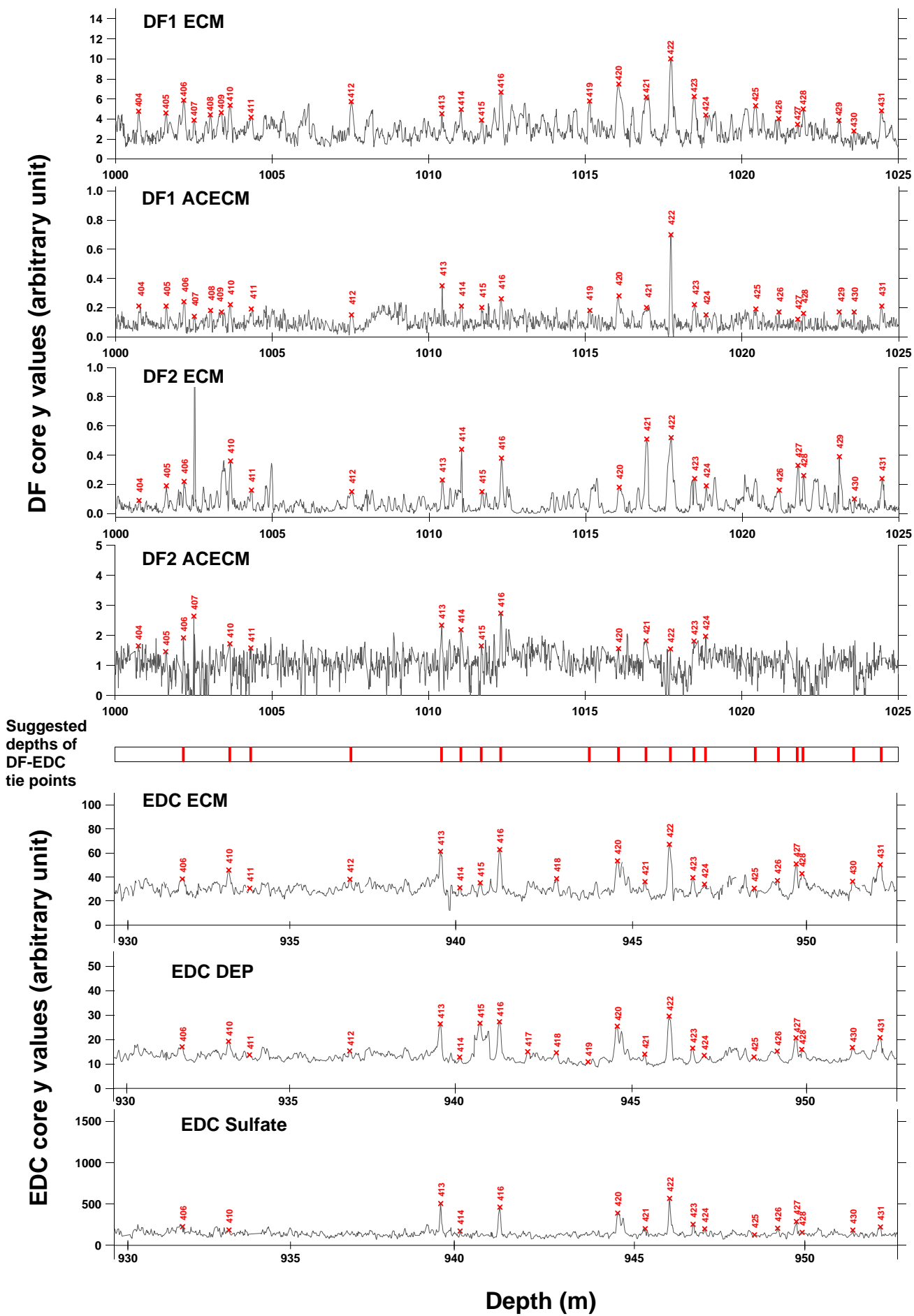


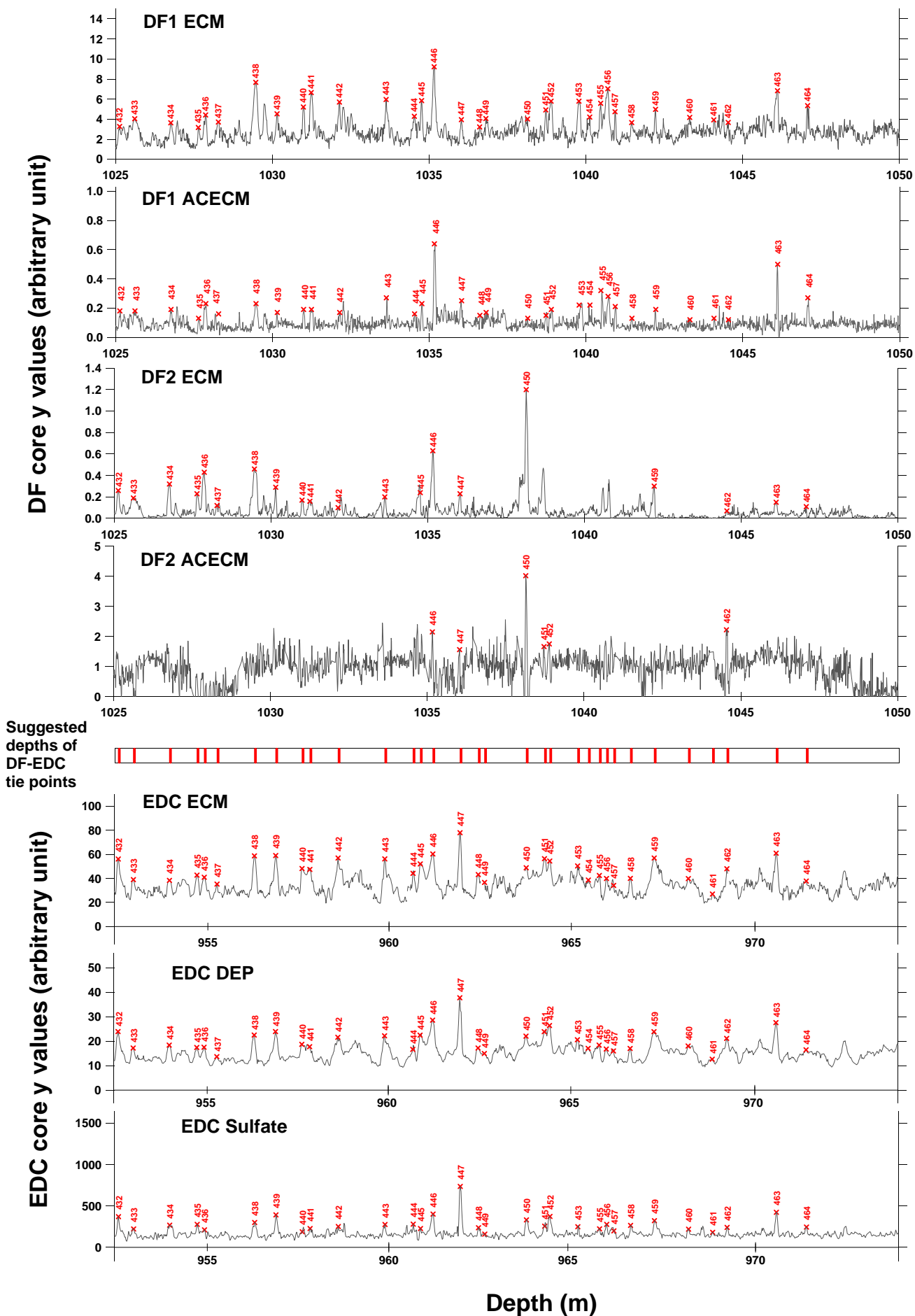


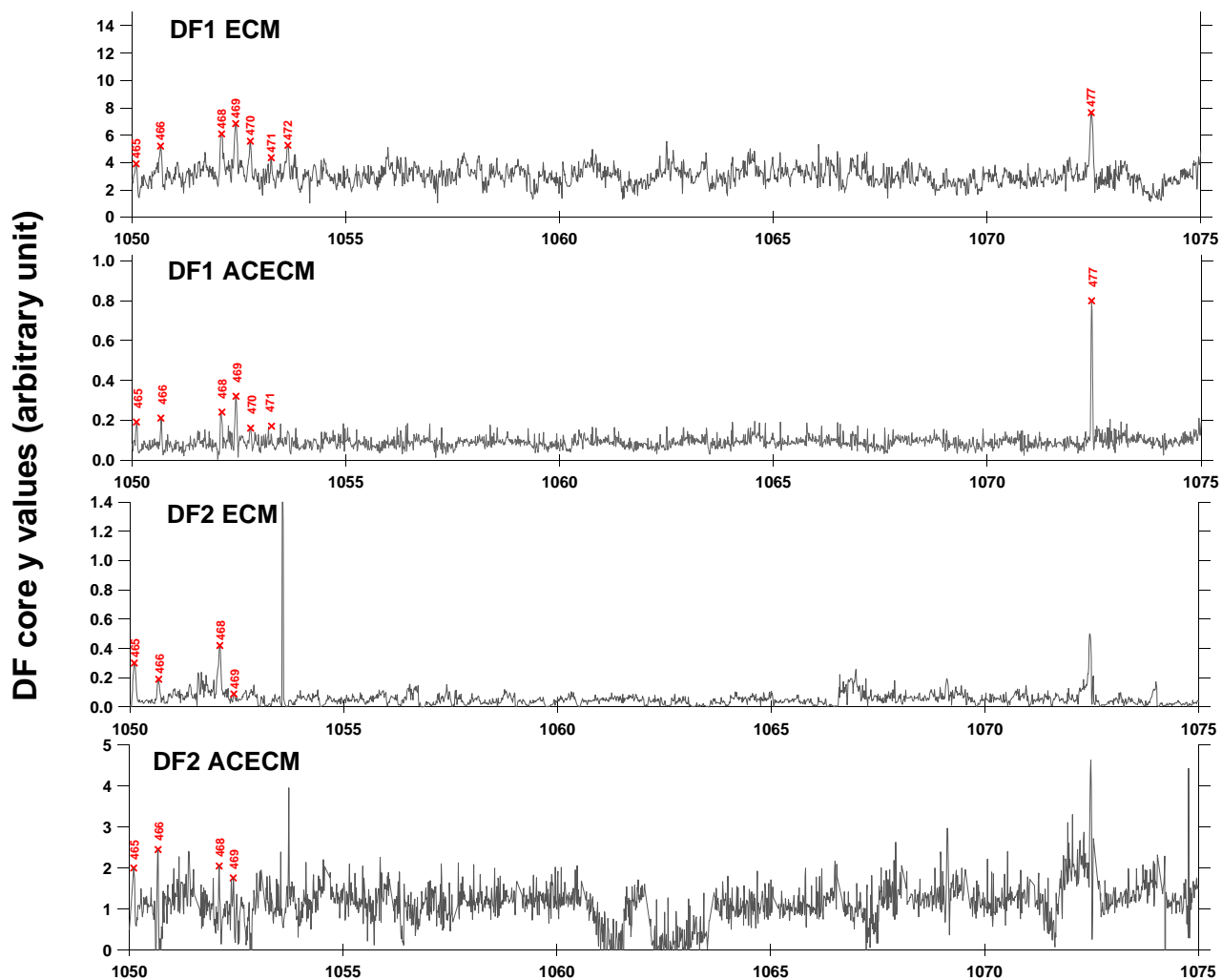




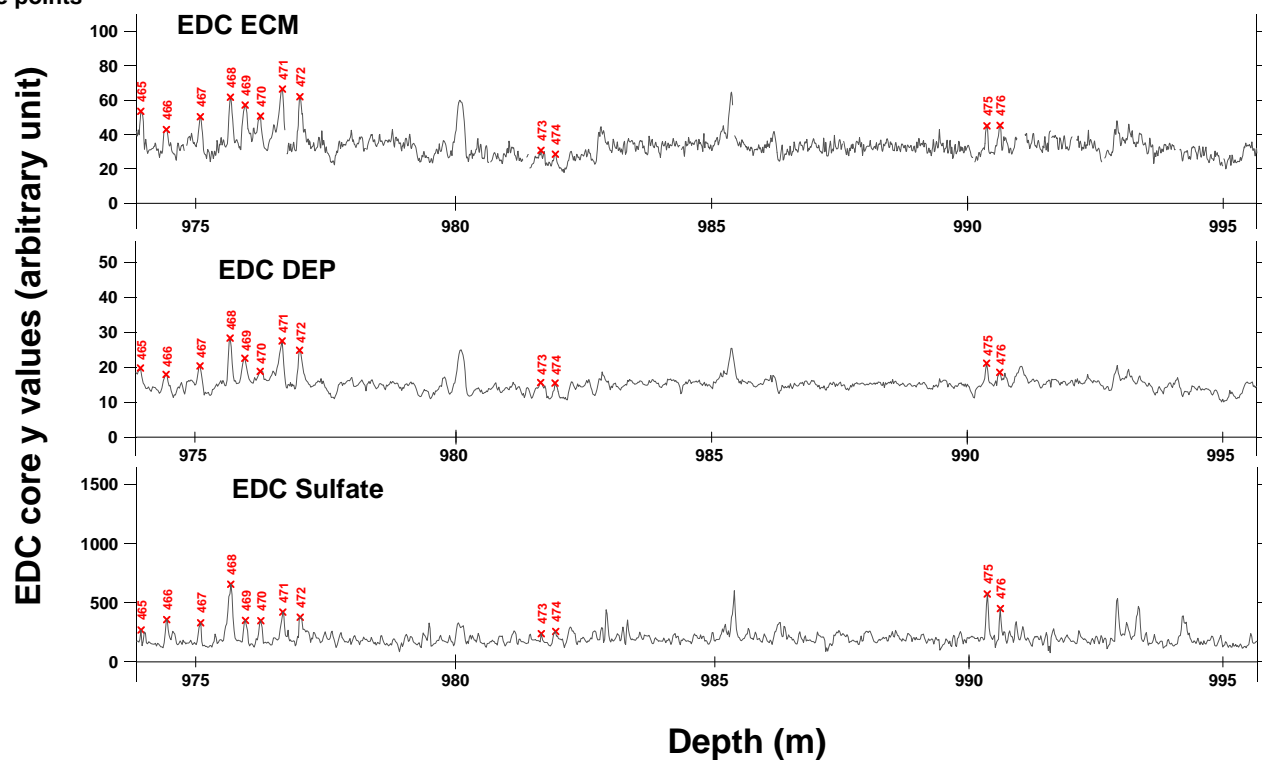
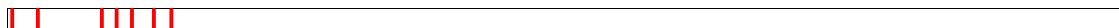


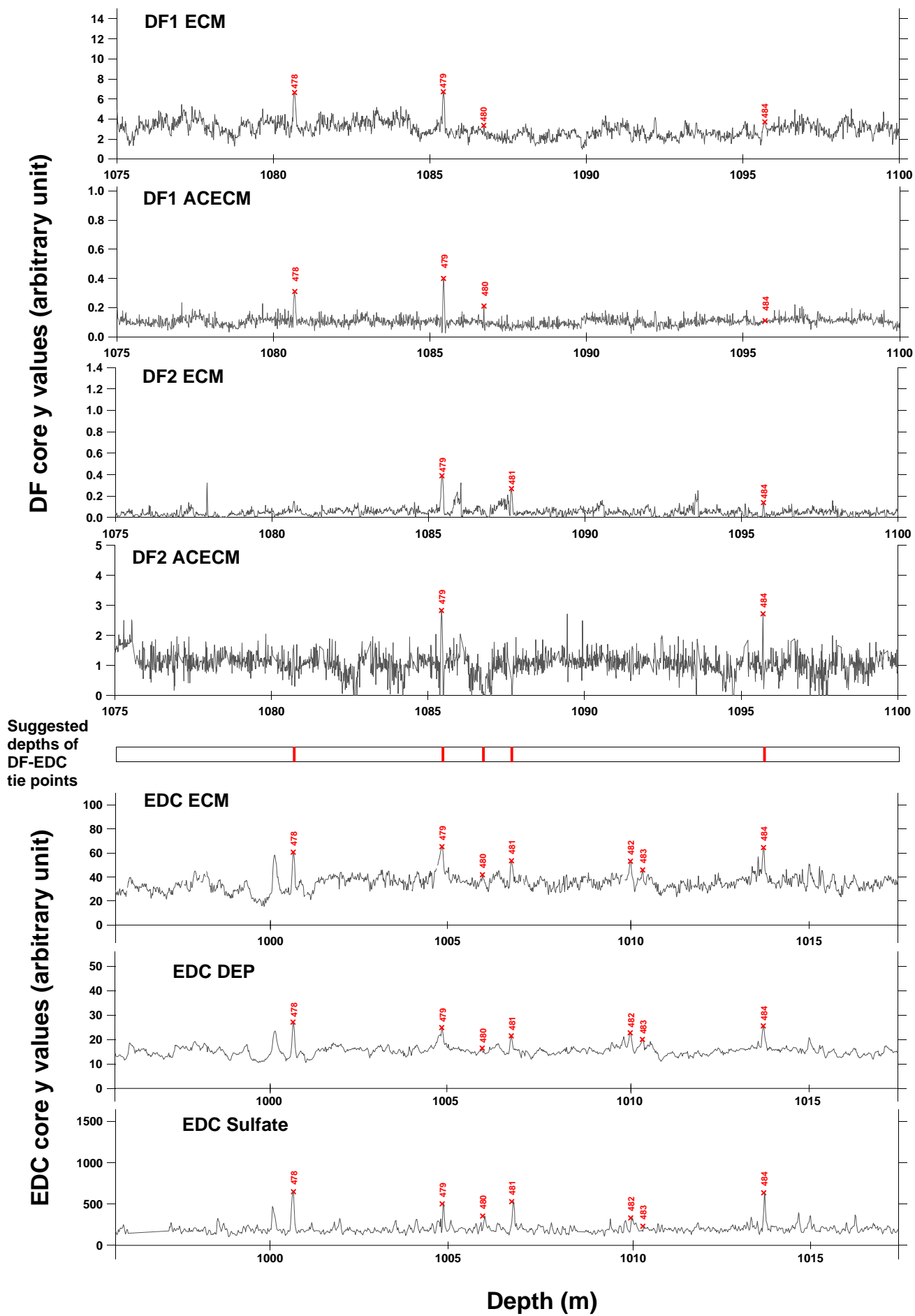


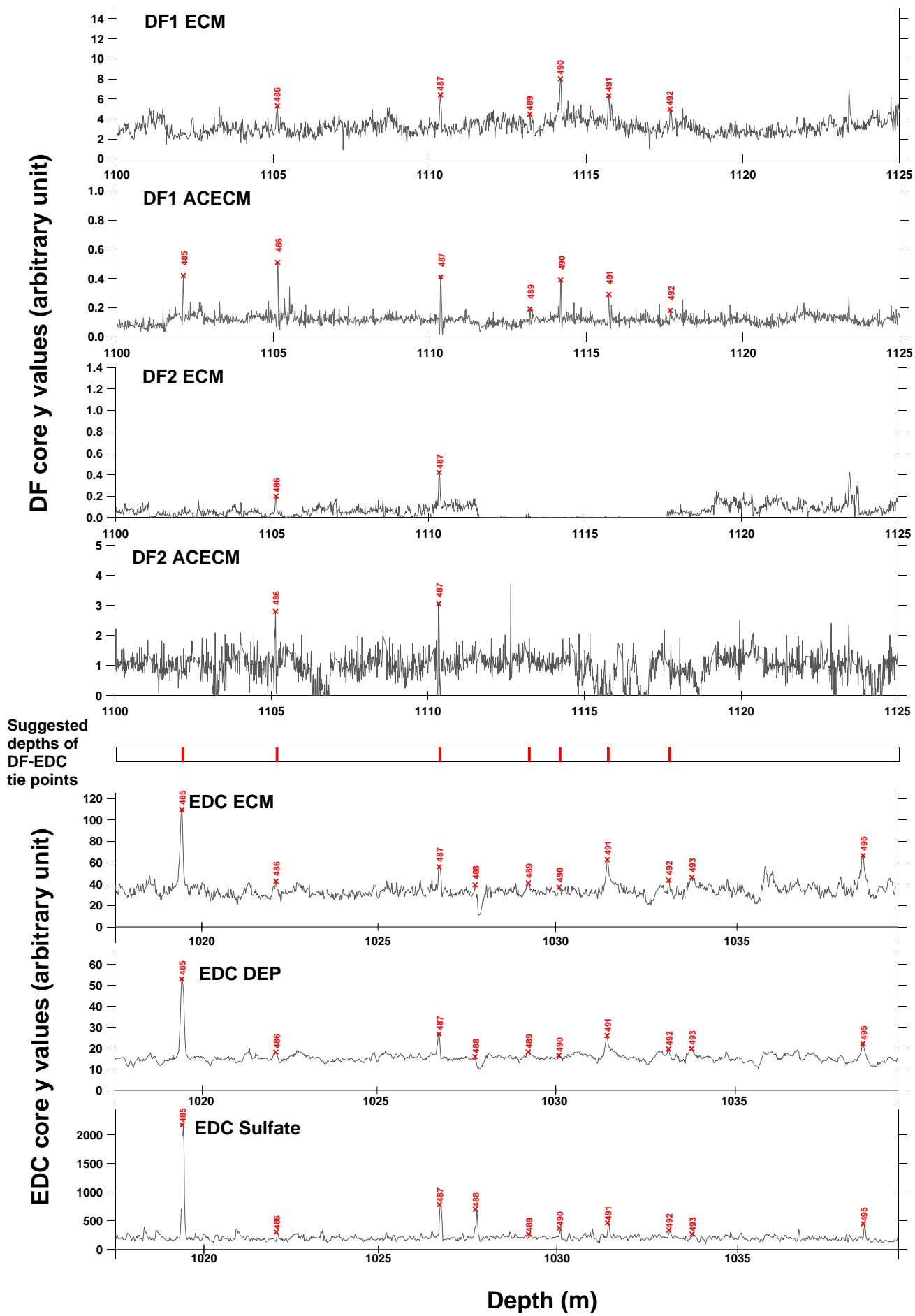


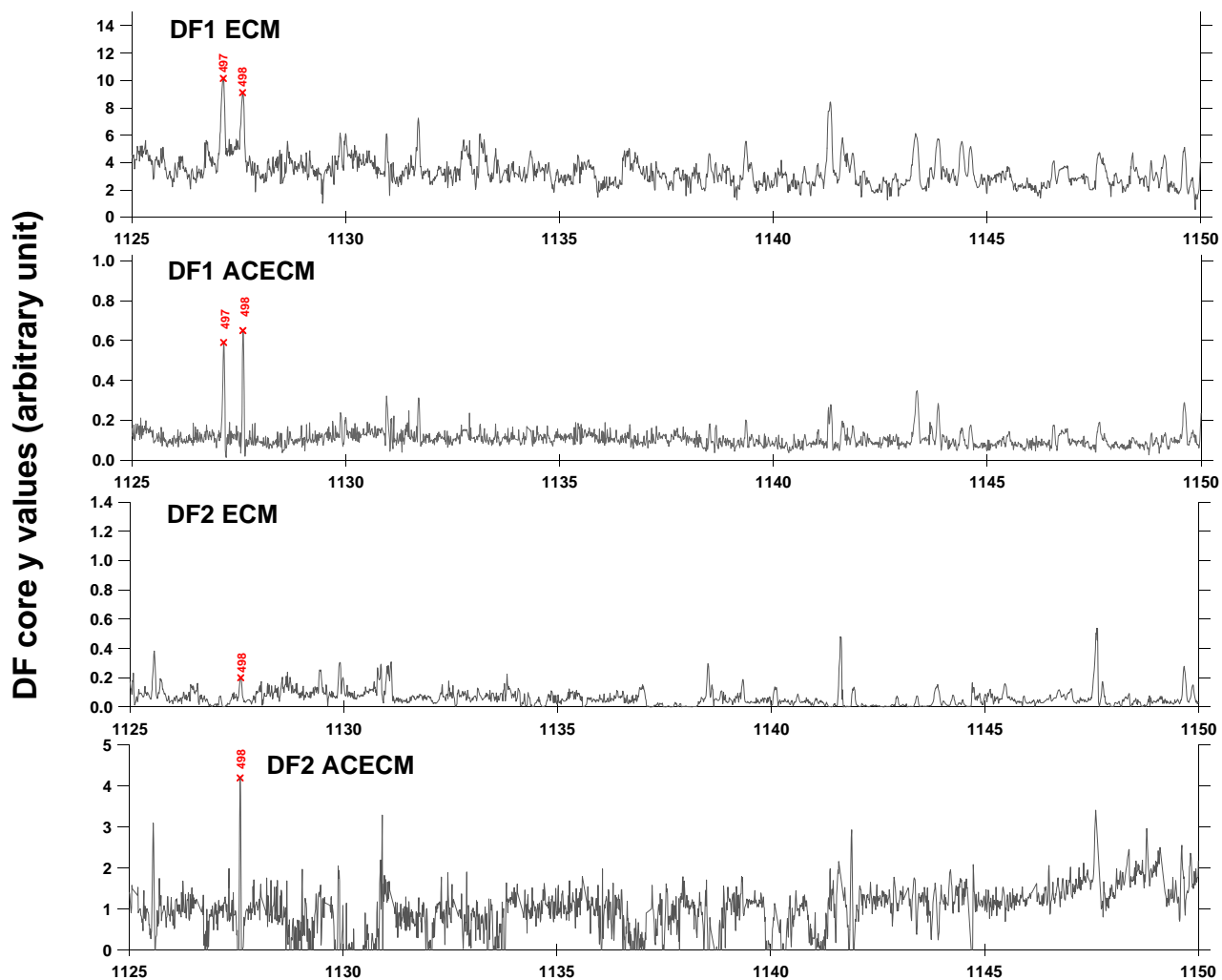


Suggested
depths of
DF-EDC
tie points

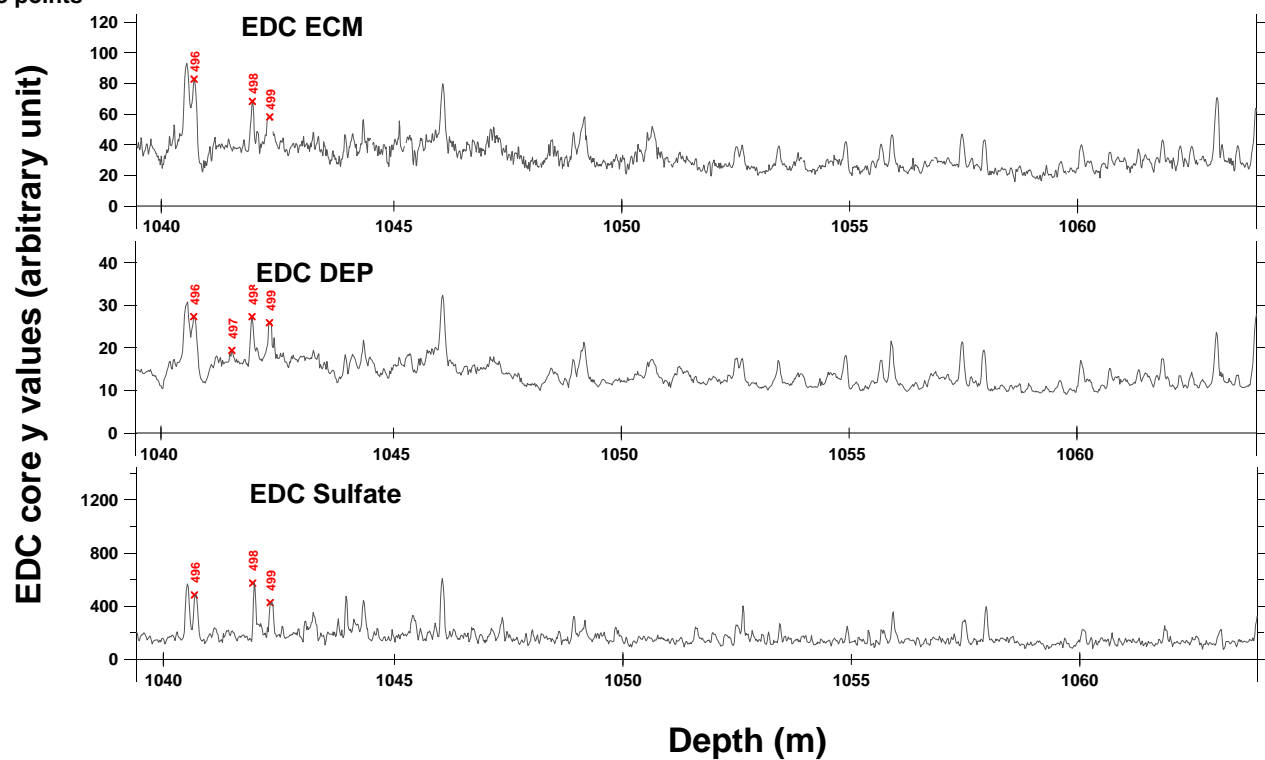
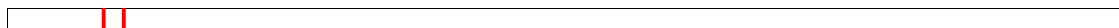




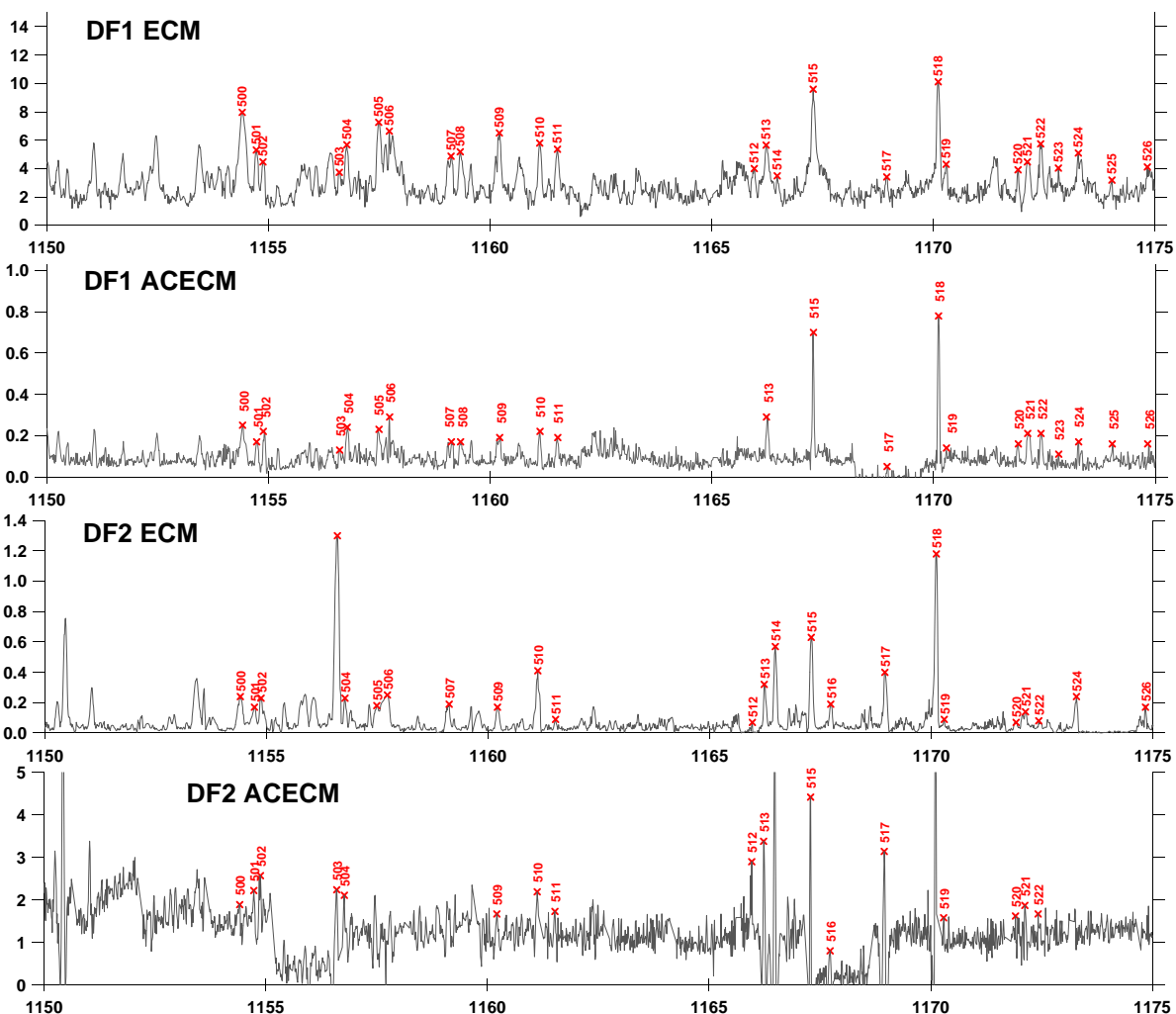




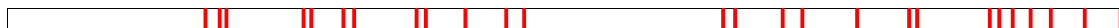
Suggested
depths of
DF-EDC
tie points



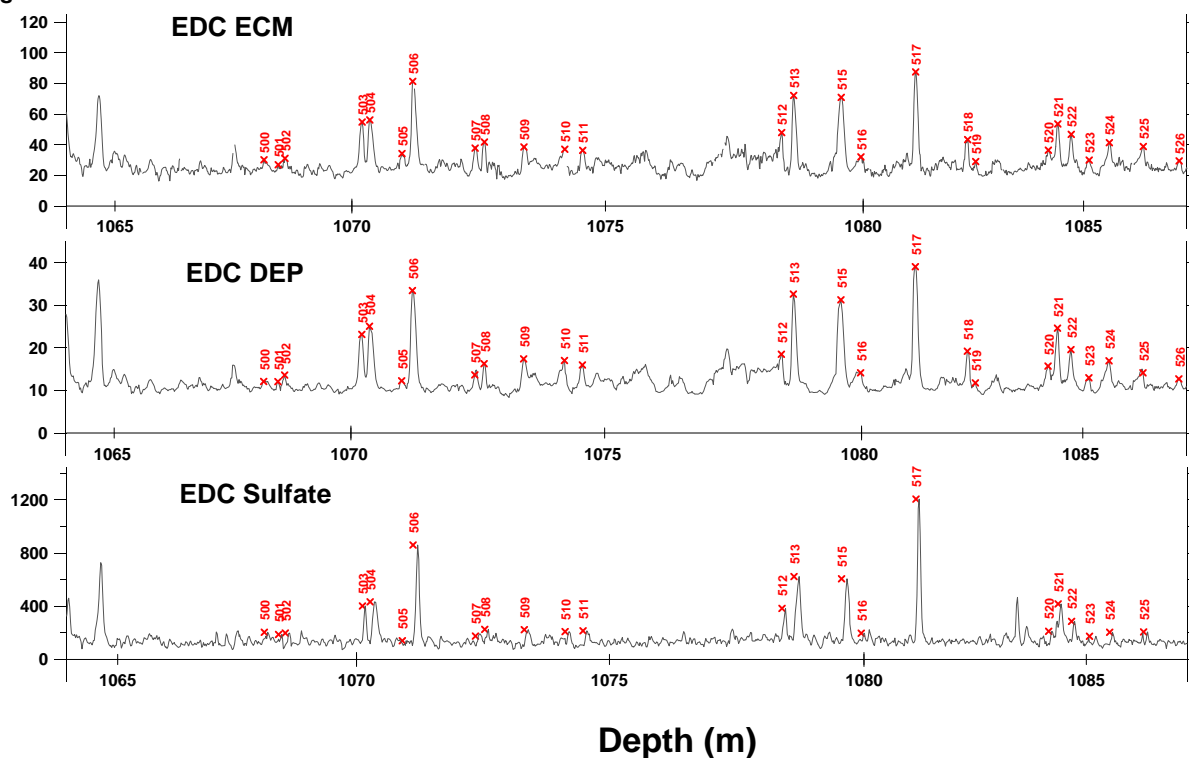
DF core y values (arbitrary unit)

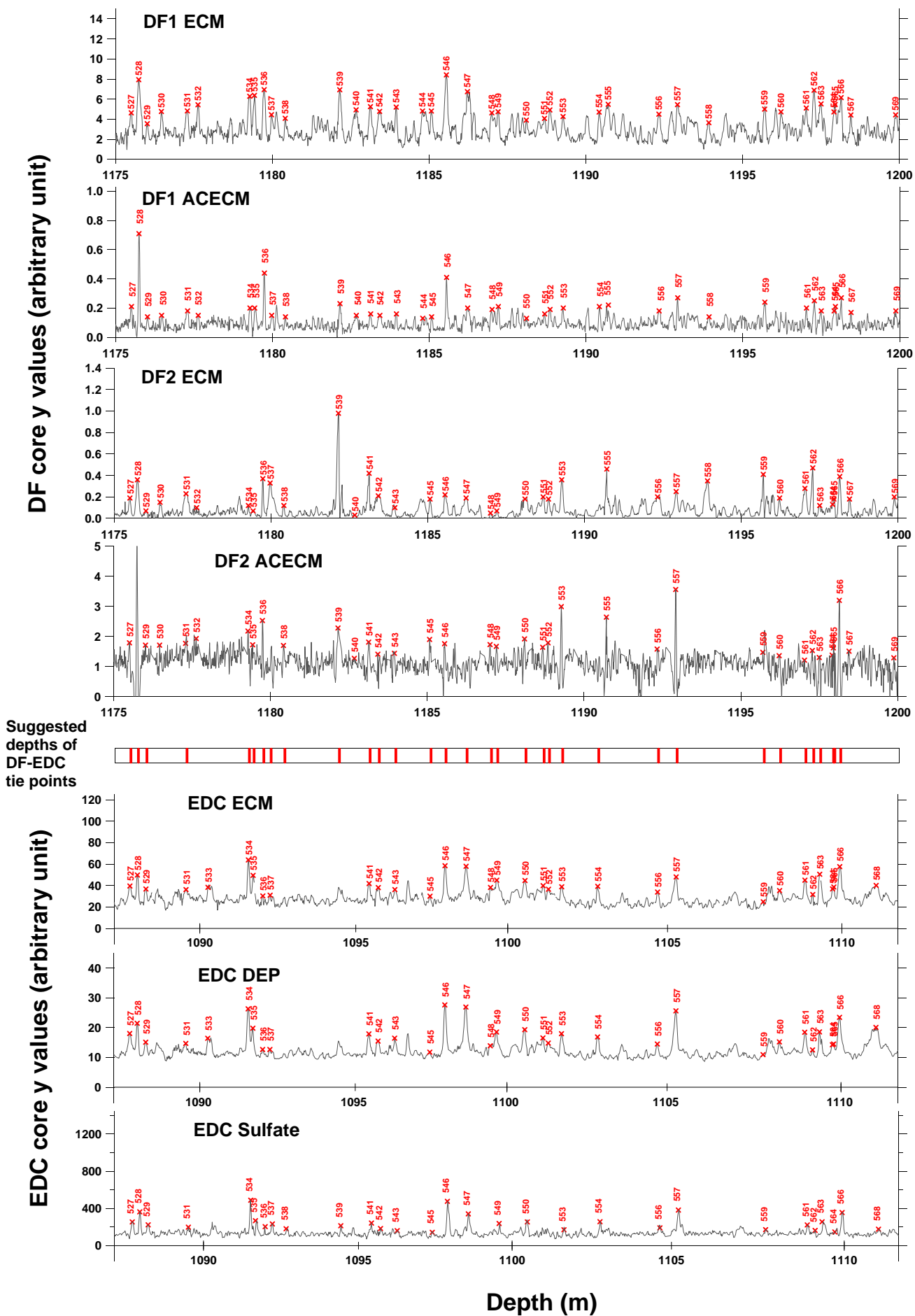


Suggested
depths of
DF-EDC
tie points

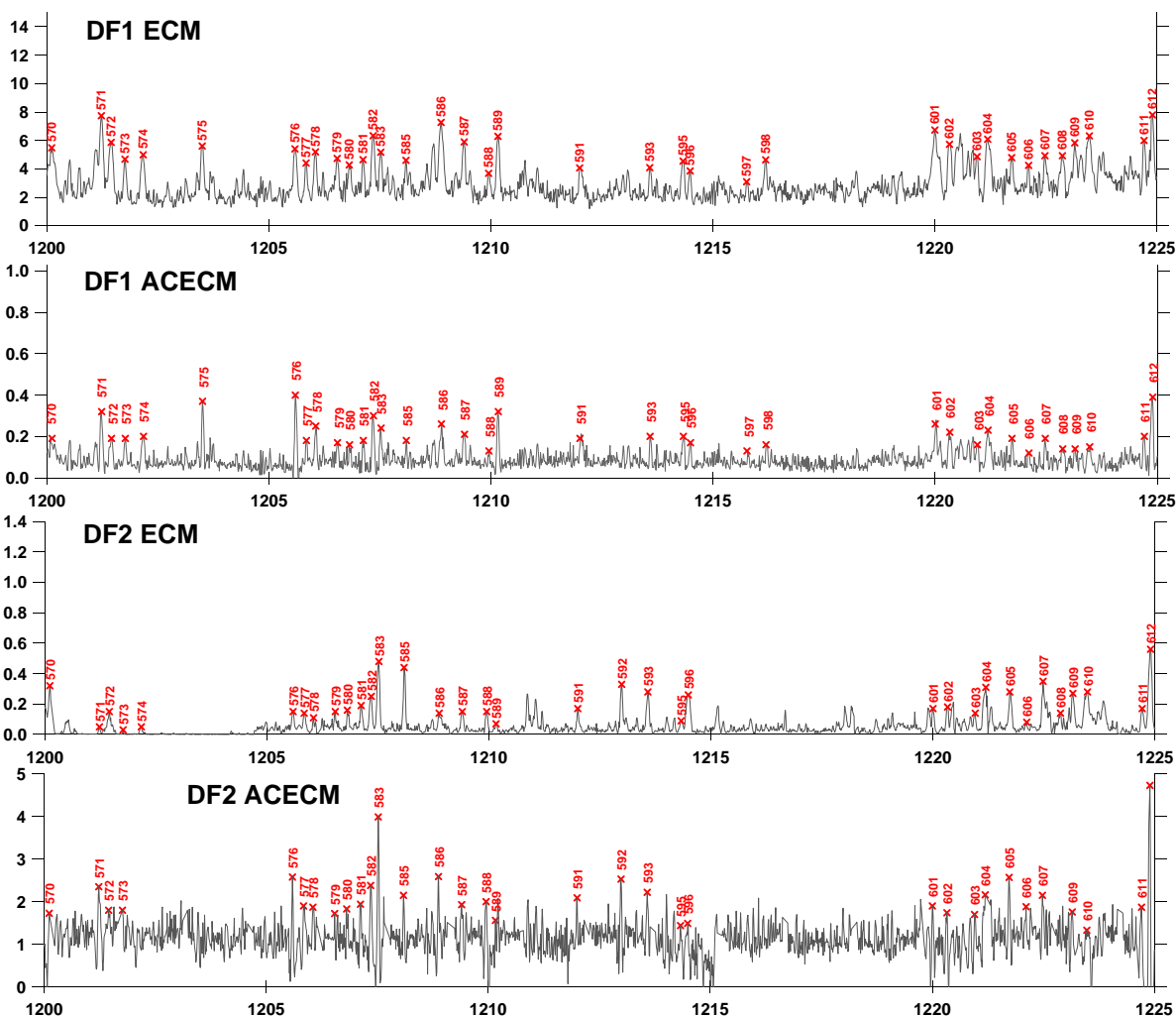


EDC core y values (arbitrary unit)

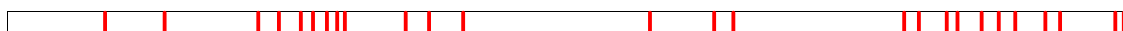




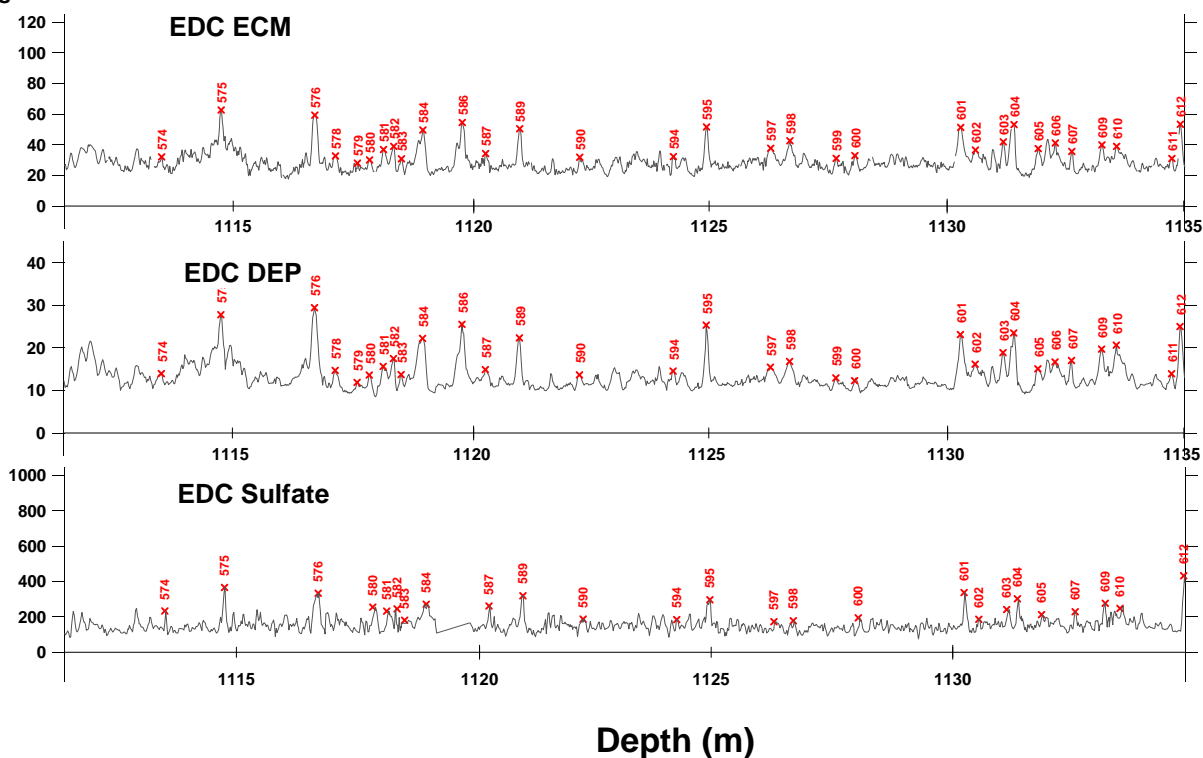
DF core y values (arbitrary unit)



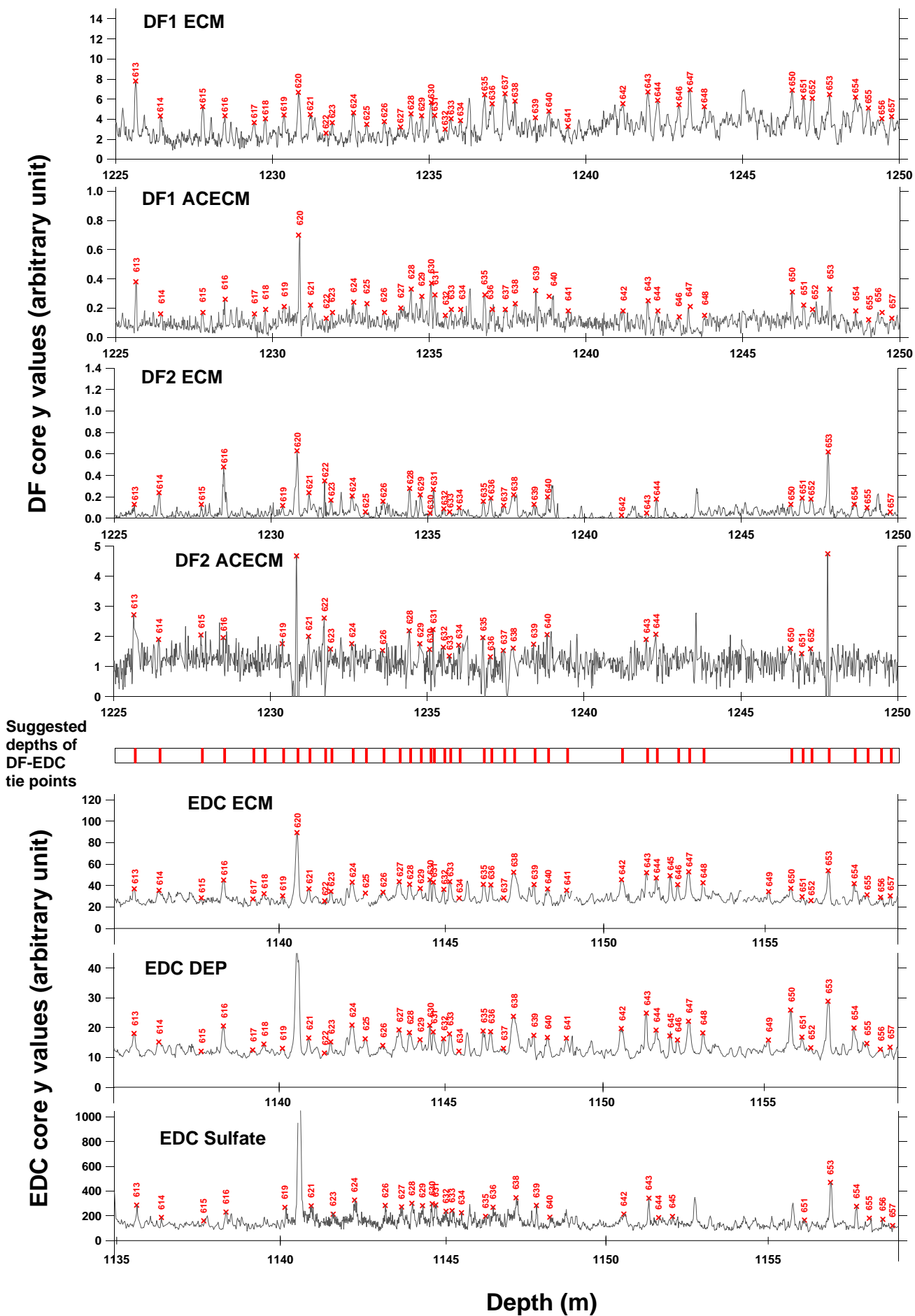
Suggested
depths of
DF-EDC
tie points

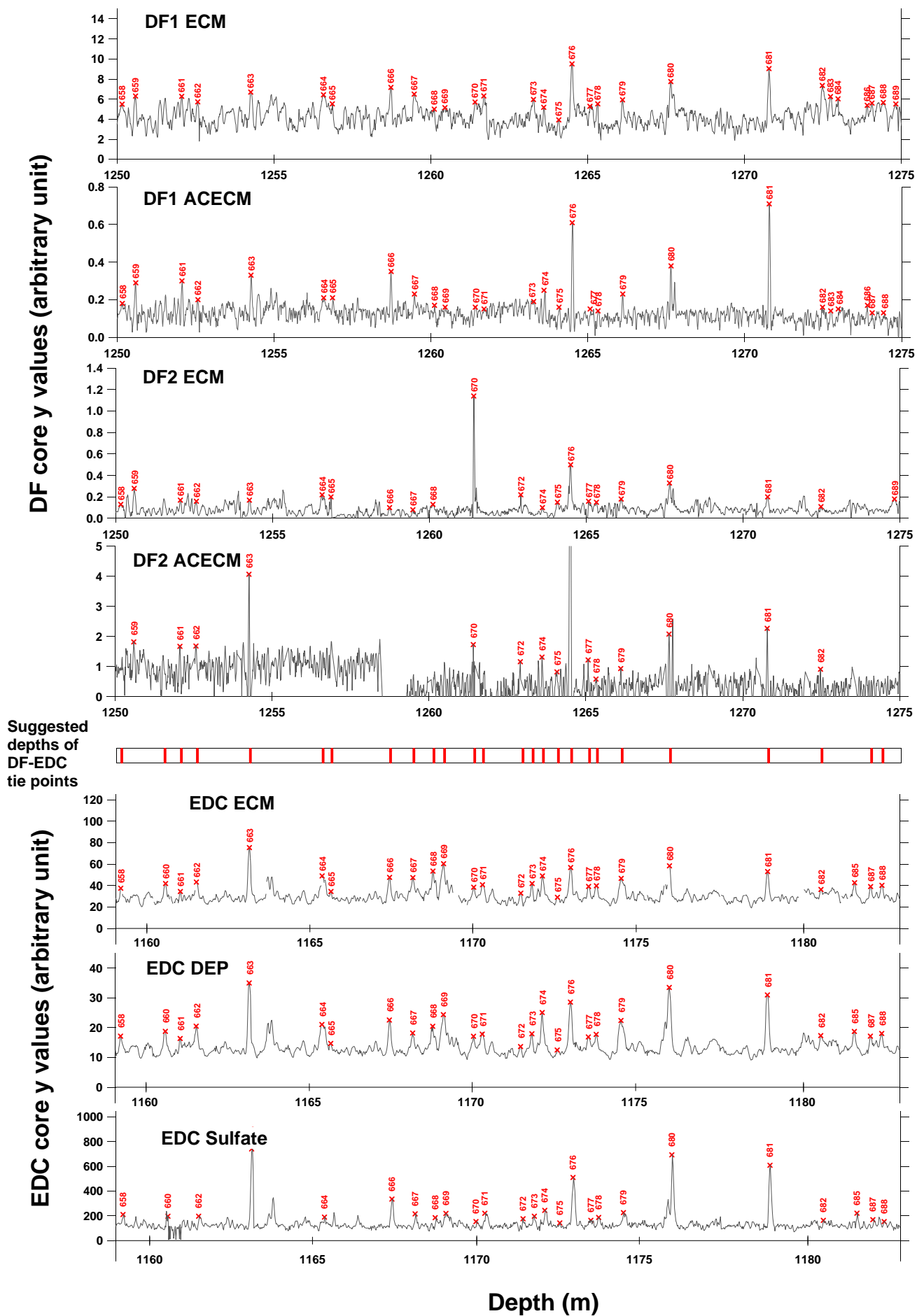


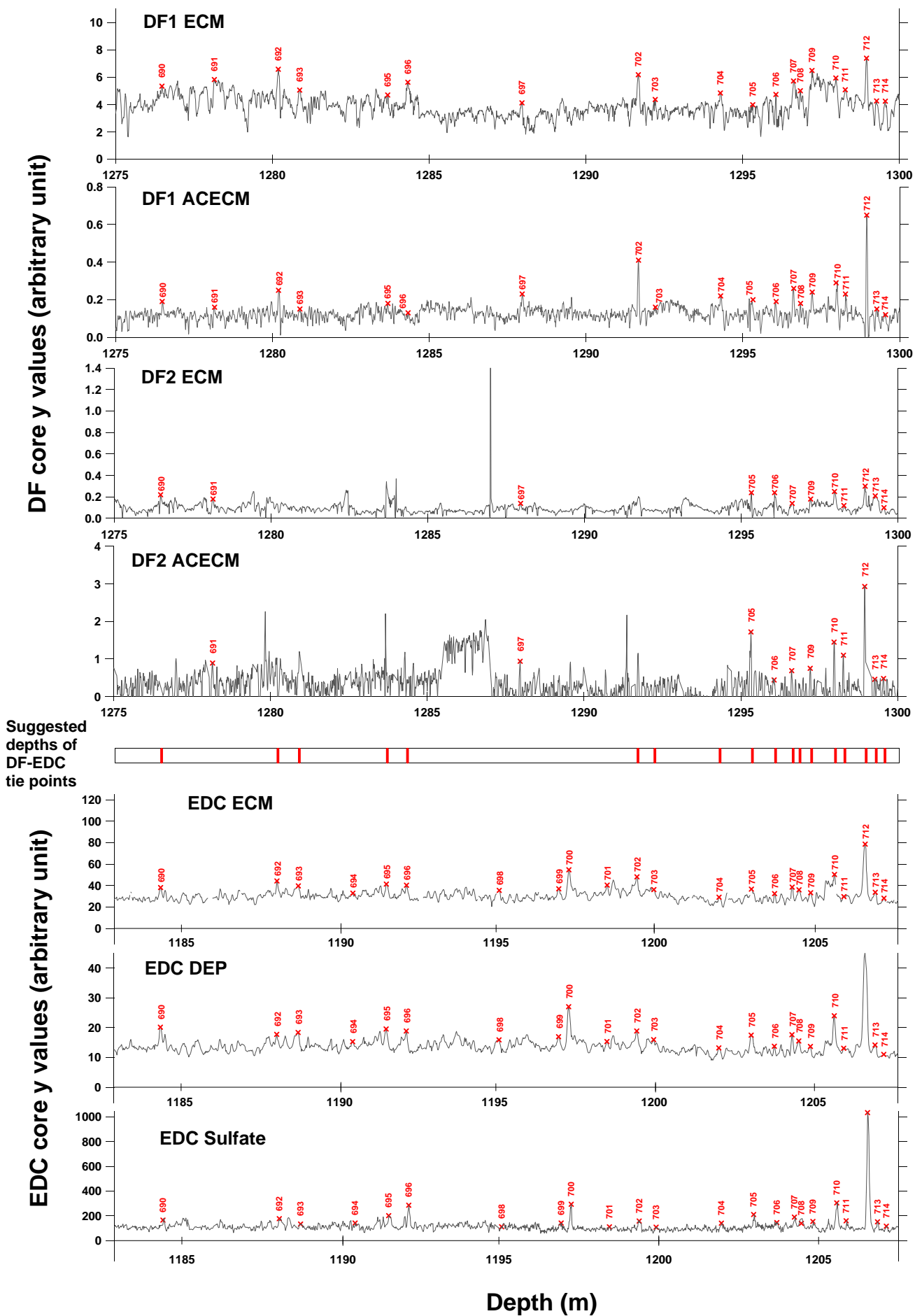
EDC core y values (arbitrary unit)

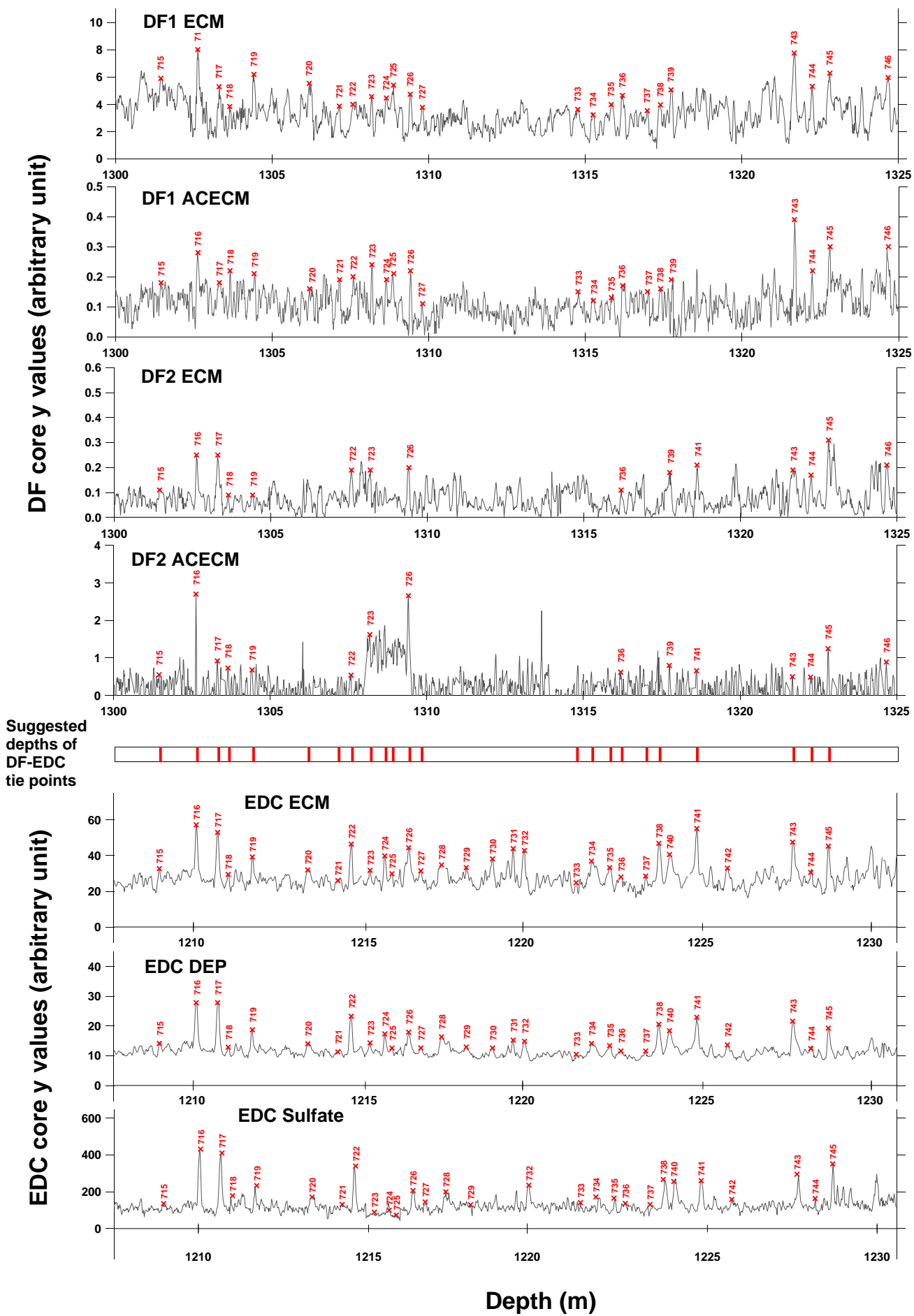


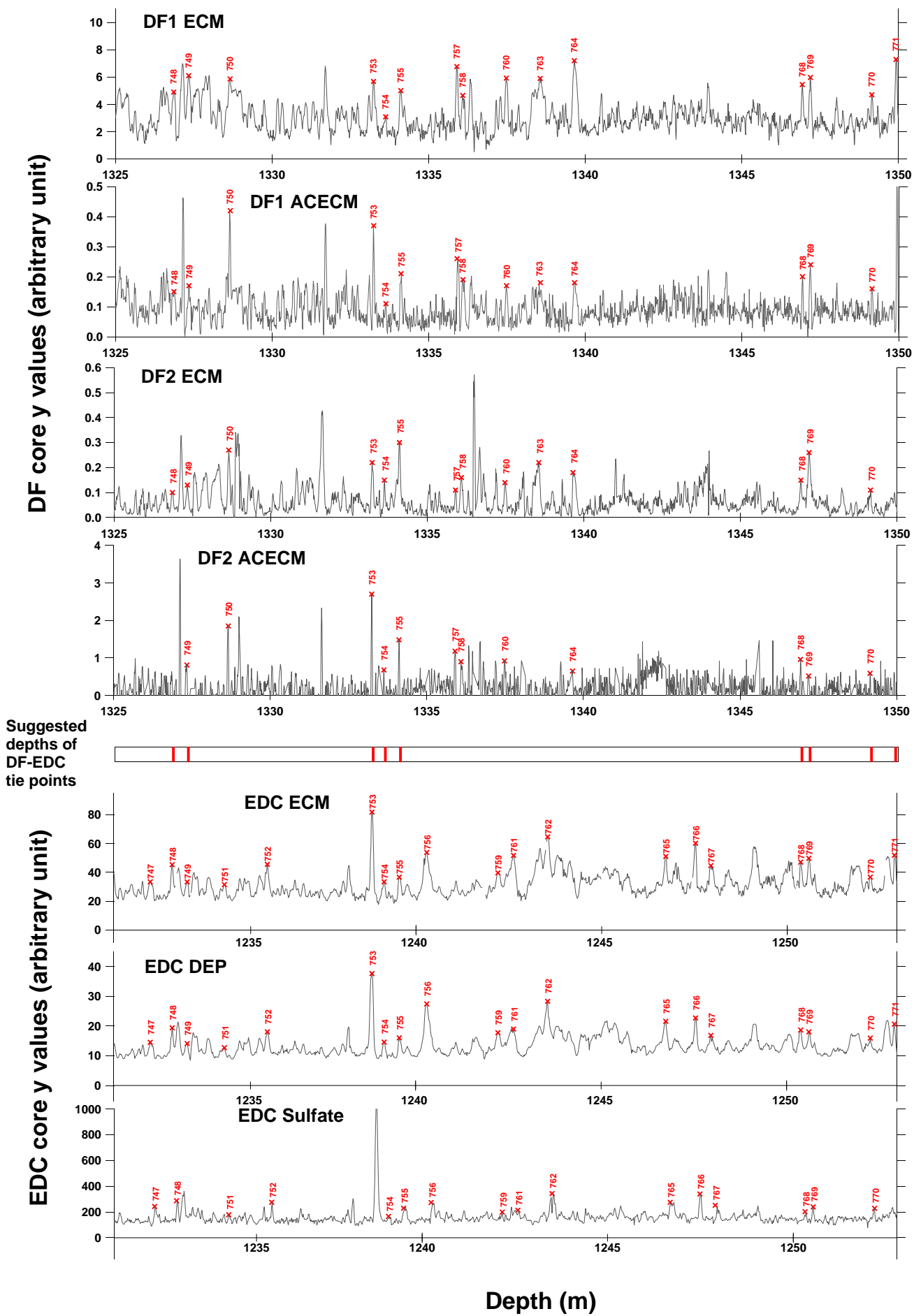
Depth (m)

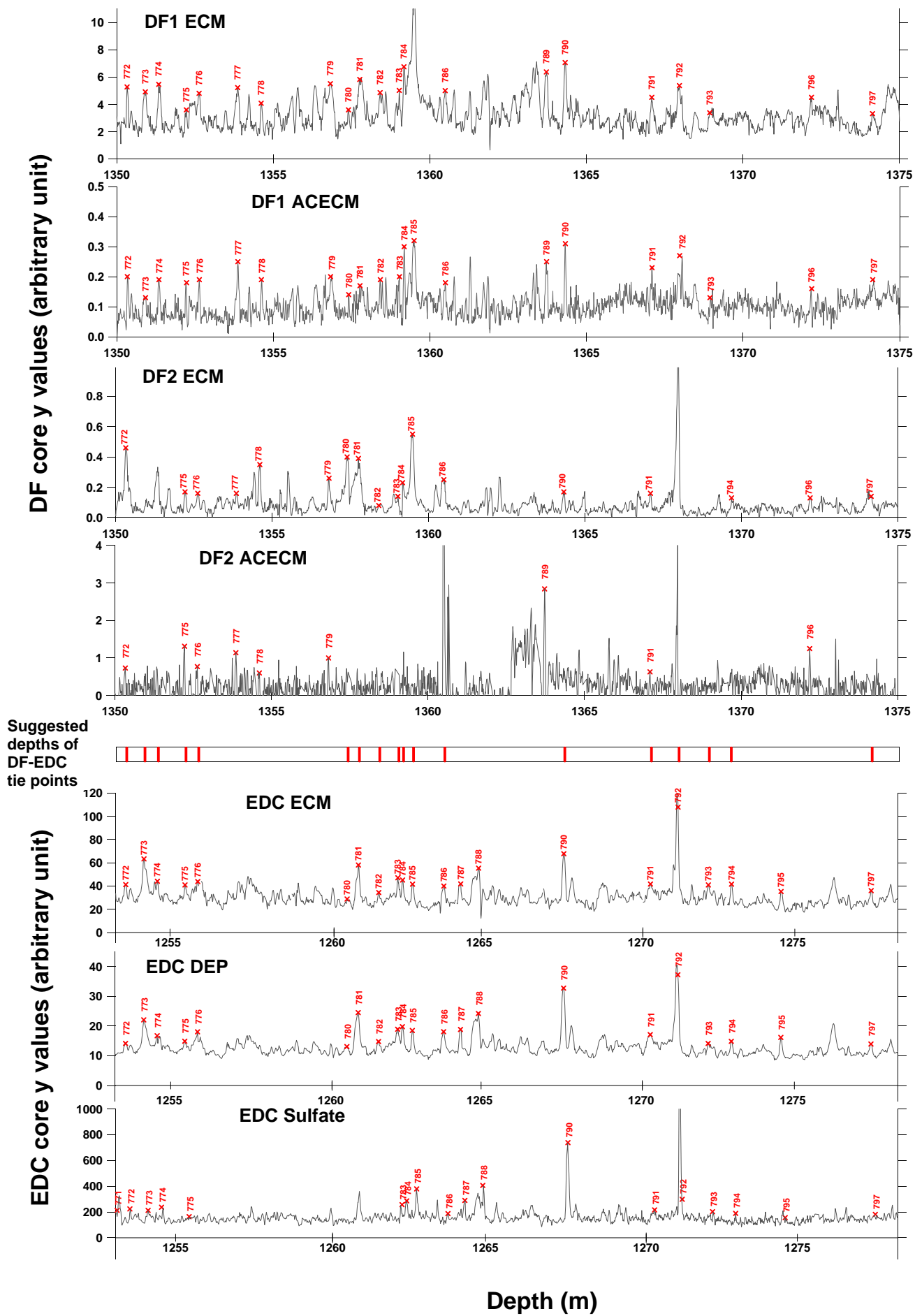


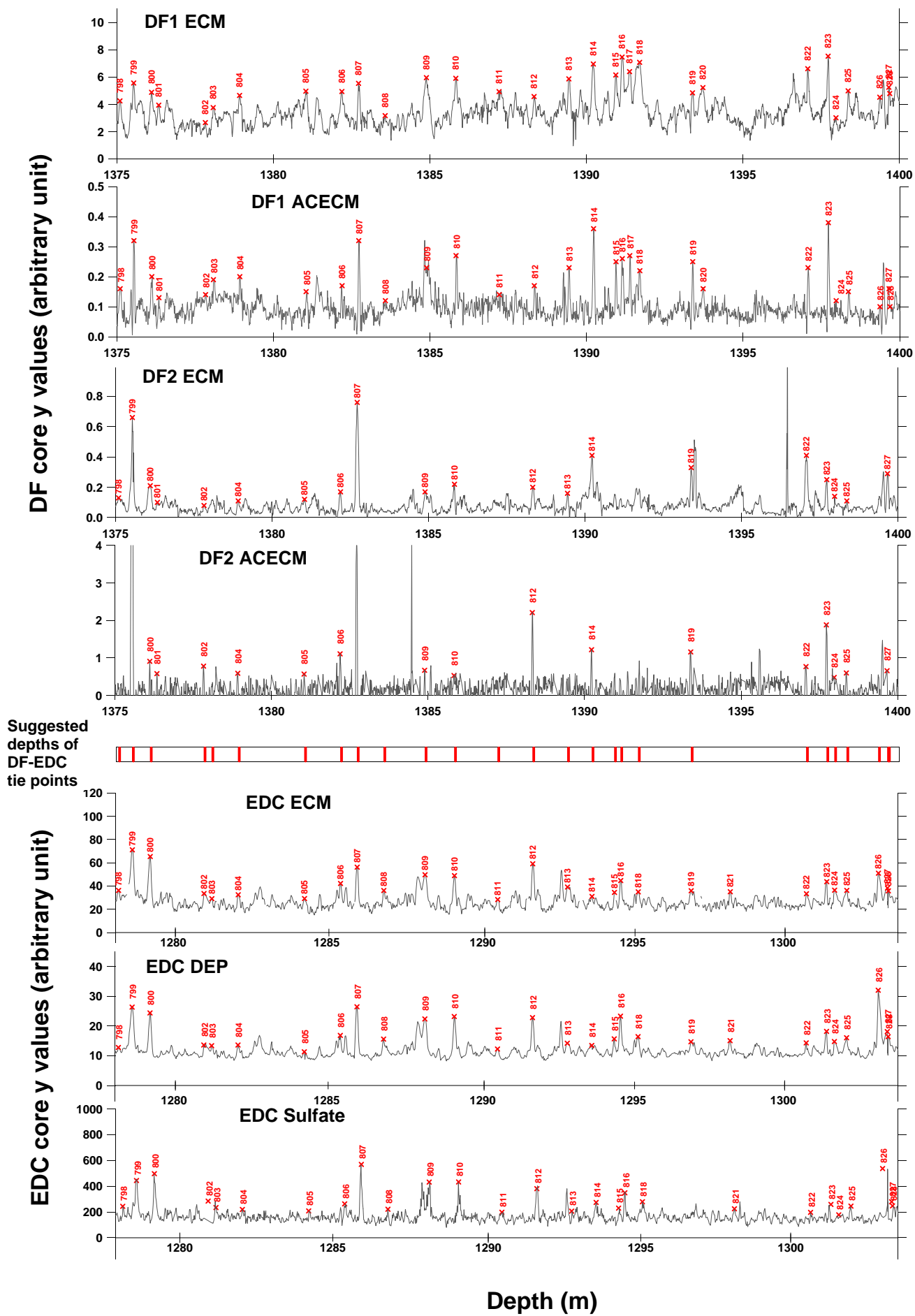


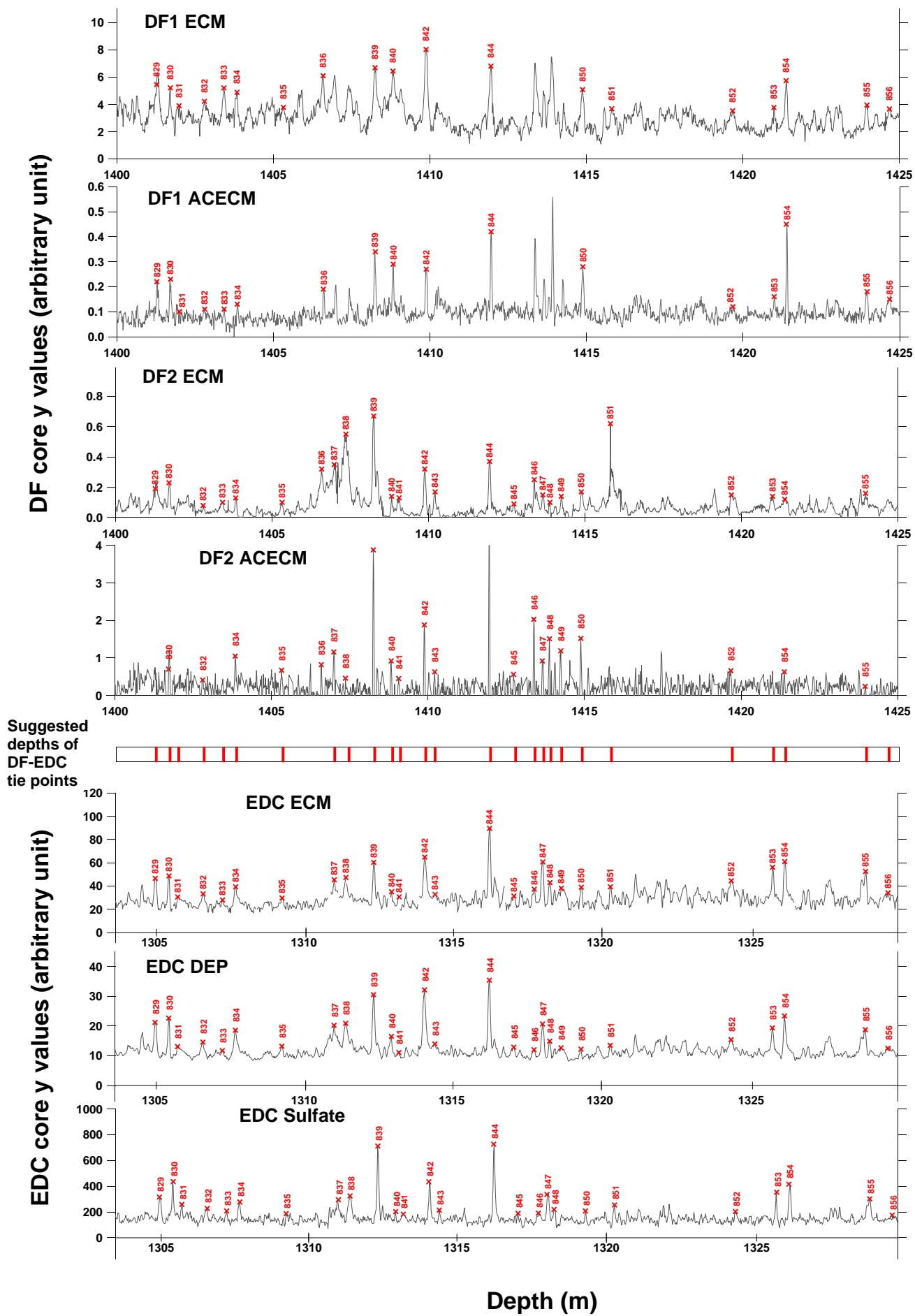




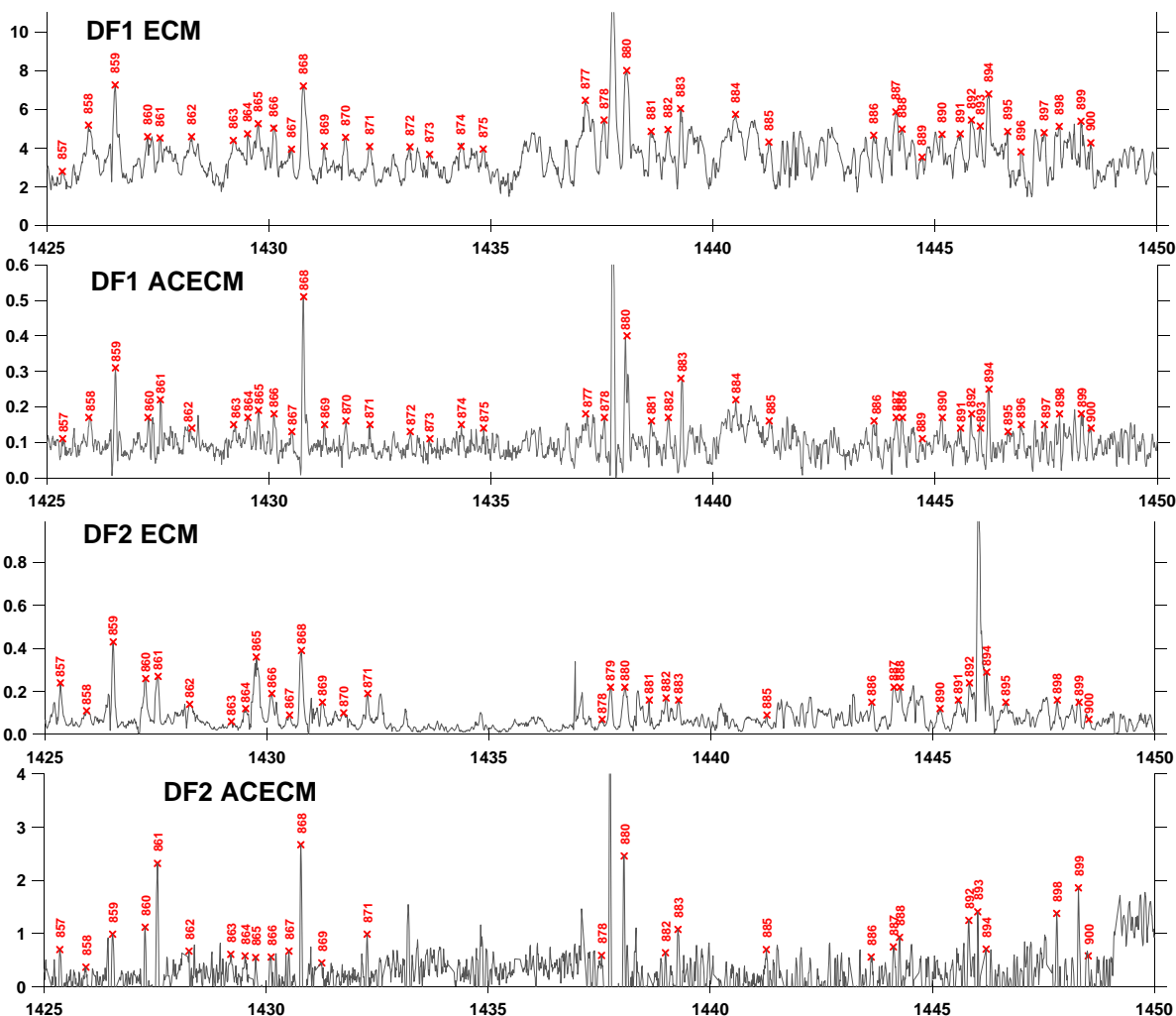








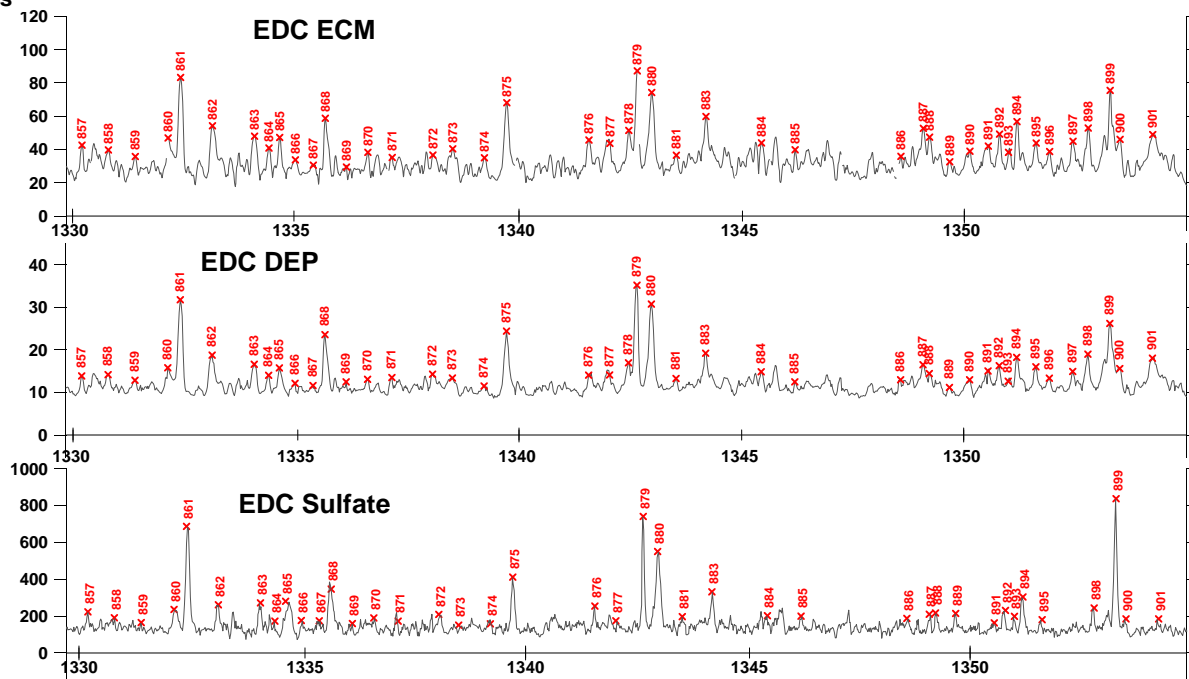
DF core y values (arbitrary unit)



Suggested
depths of
DF-EDC
tie points



EDC core y values (arbitrary unit)



Depth (m)

