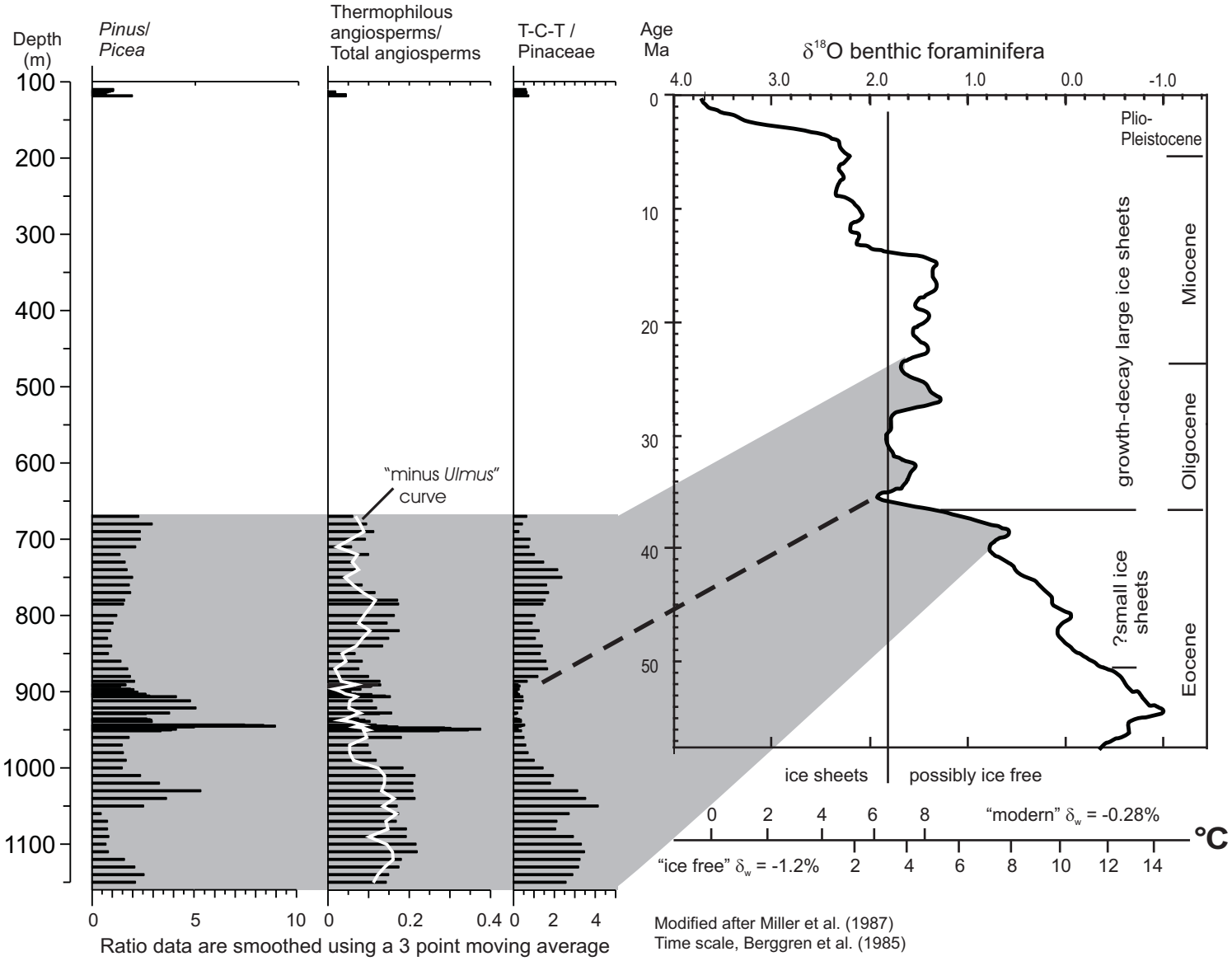
Depth (m)
Pinus/ Picea
Thermophilous angiosperms/ Total angiosperms
T-C-T / Pinaceae
Age Ma
δ18O benthic foraminifera
"minus Ulmus" curve
Plio-Pleistocene
Miocene
Oligocene
Eocene
growth-decay large ice sheets
?small ice sheets
ice sheets
possibly ice free
"modern" δw = -0.28%
"ice free" δw = -1.2%
°C
Ratio data are smoothed using a 3 point moving average
Modified after Miller et al. (1987)
Time scale, Berggren et al. (1985)