



Figure 5: Movement of nanofossil PBZ fronts through time, and interpreted climate change, compared to isotope palaeotemperature estimates. Indian Ocean (left figure) and Pacific Ocean (preliminary results: right figure) DSDP/ODP sites plotted in black; grey lines represent geographic limits of dataset; colour-coded lines represent nanofossil biogeographic fronts; blue arrows indicate cooling, red arrows indicate warming, both interpreted from movement of Austral or Tropical Front; lines with arrows each end represent warming and cooling pulses. Stage-boundary ages after Gradstein *et al.* (1994); spot palaeotemperatures after Clarke & Jenkyns (1999: green) and Kolodny & Raab (1988: red)

