

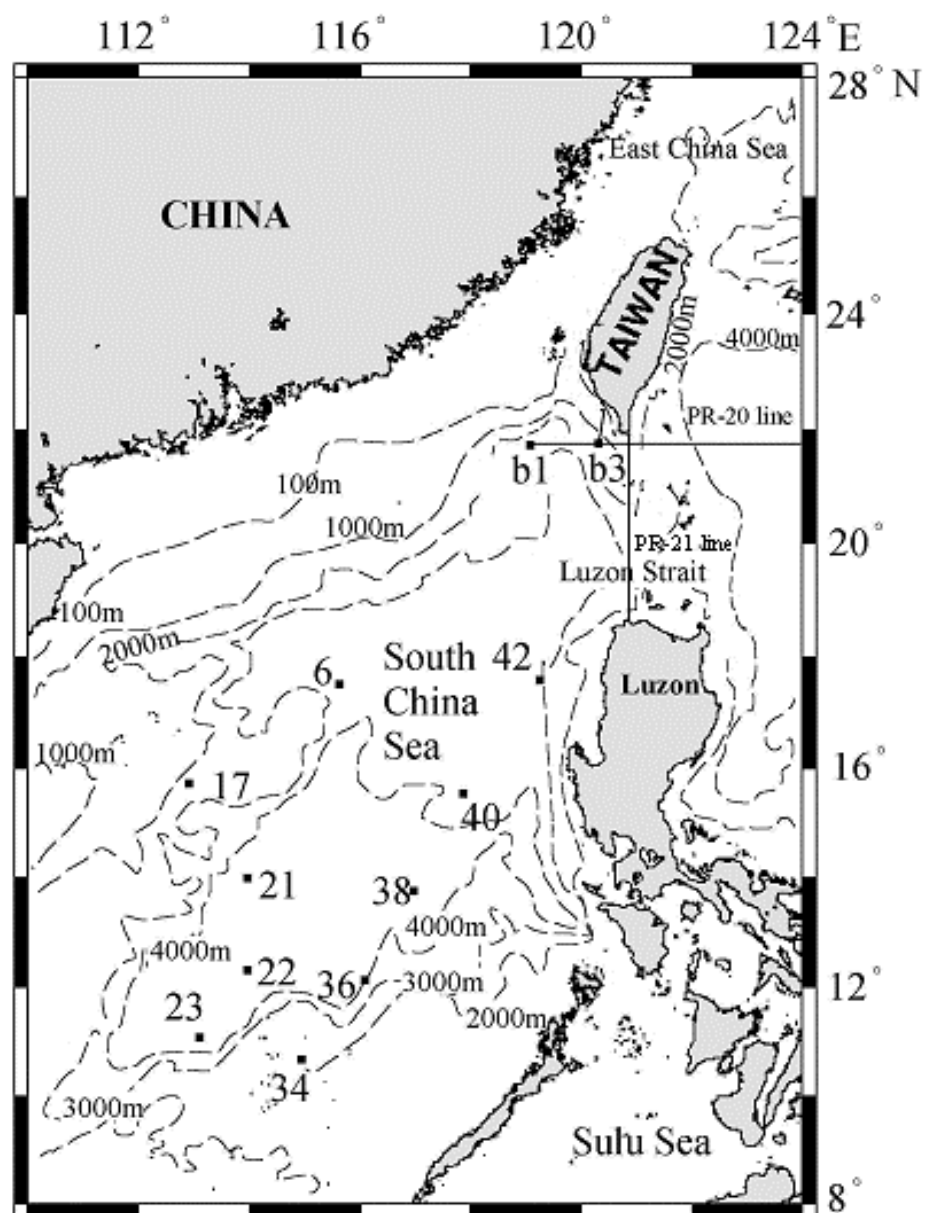


Fig. 1

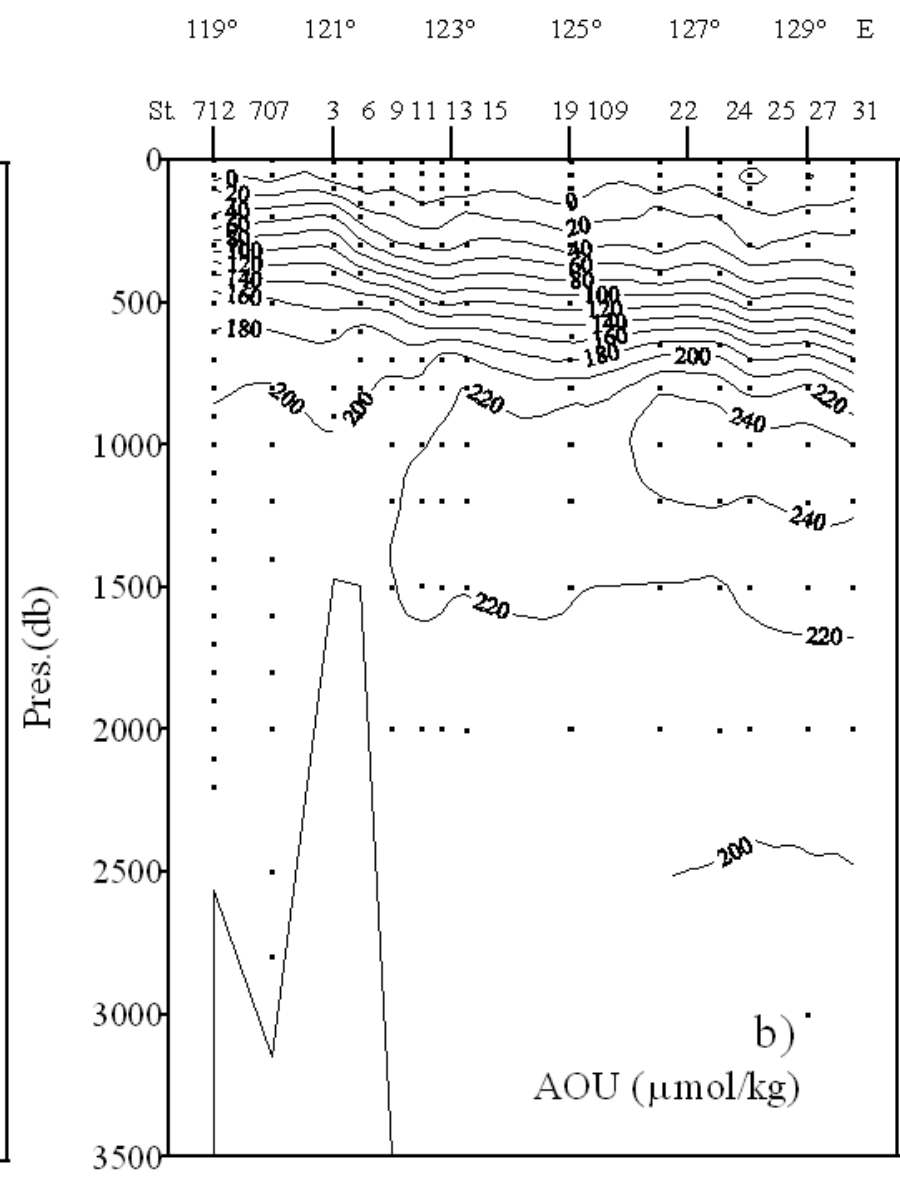
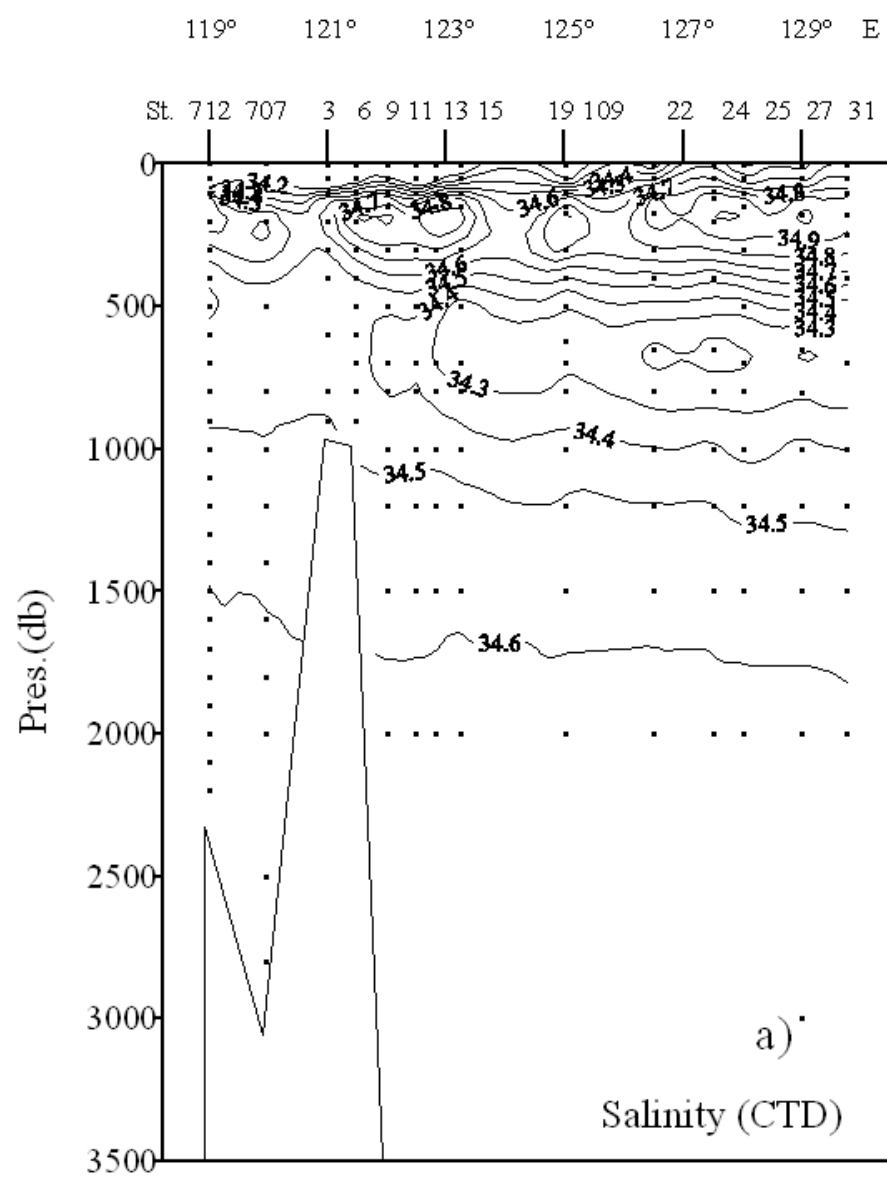
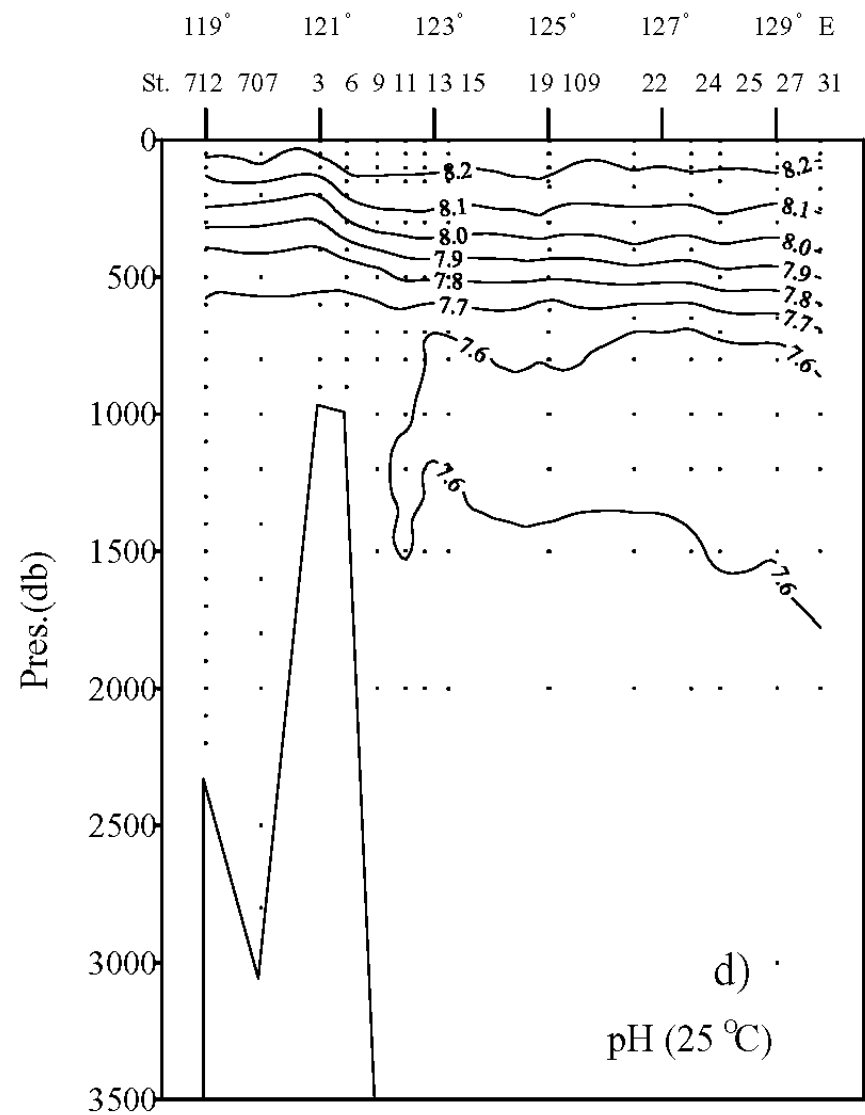
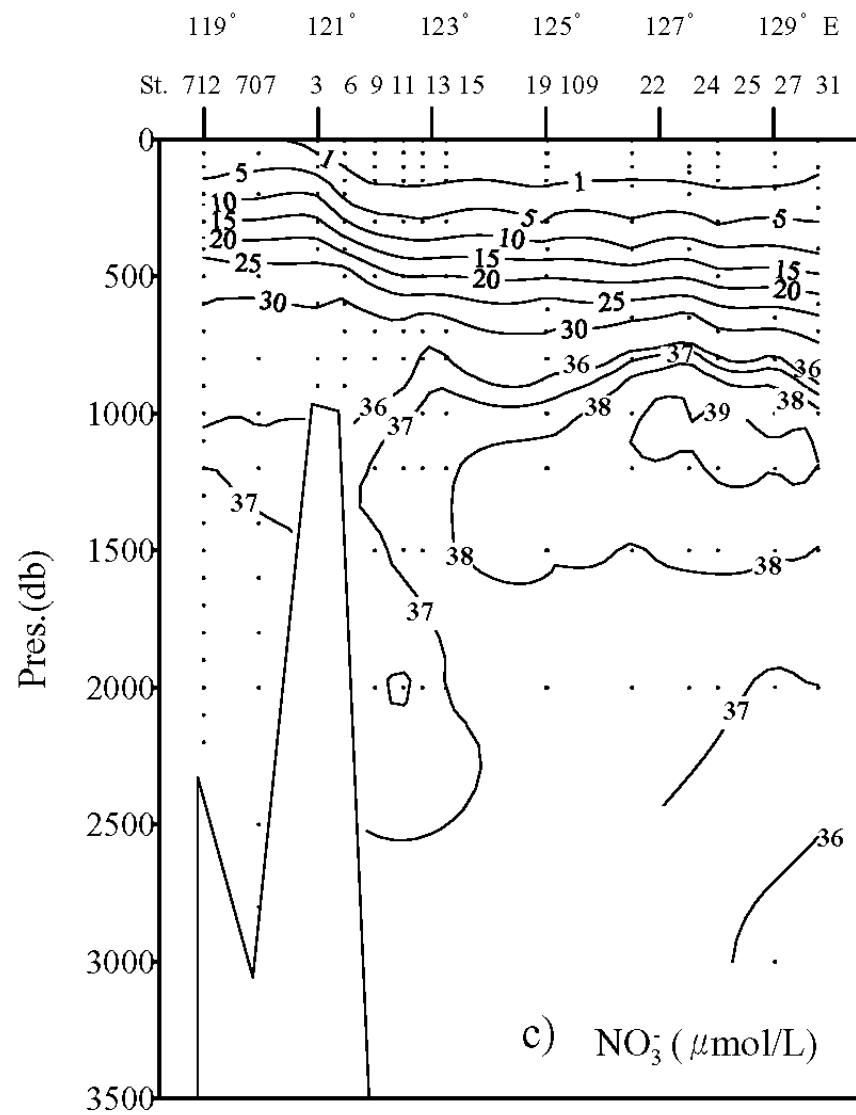
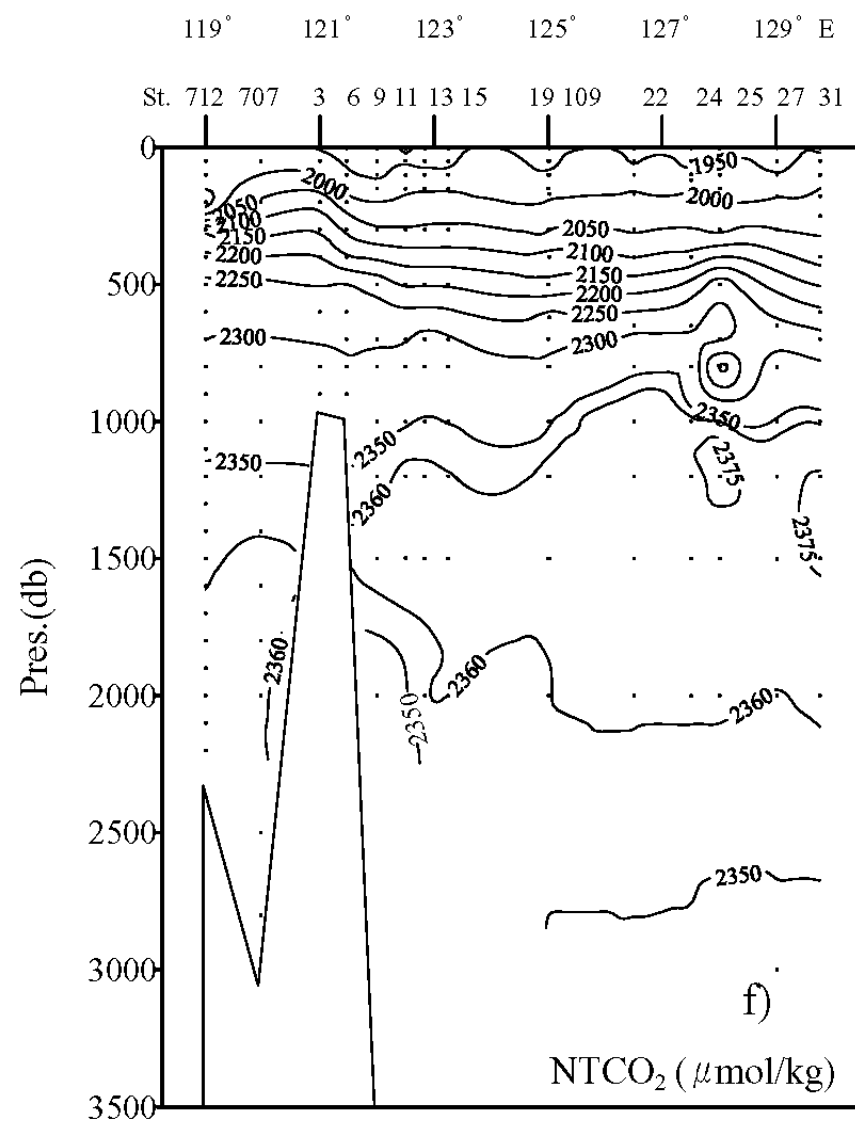
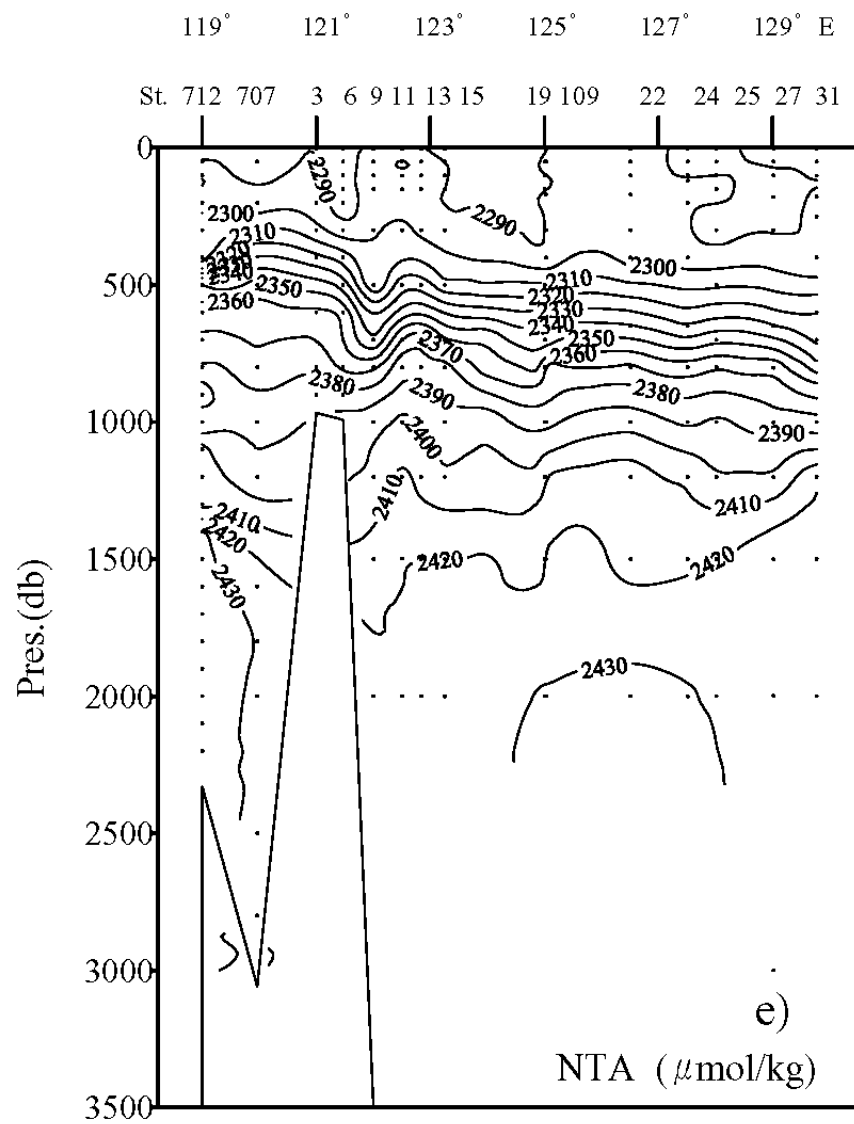


Fig. 2ab



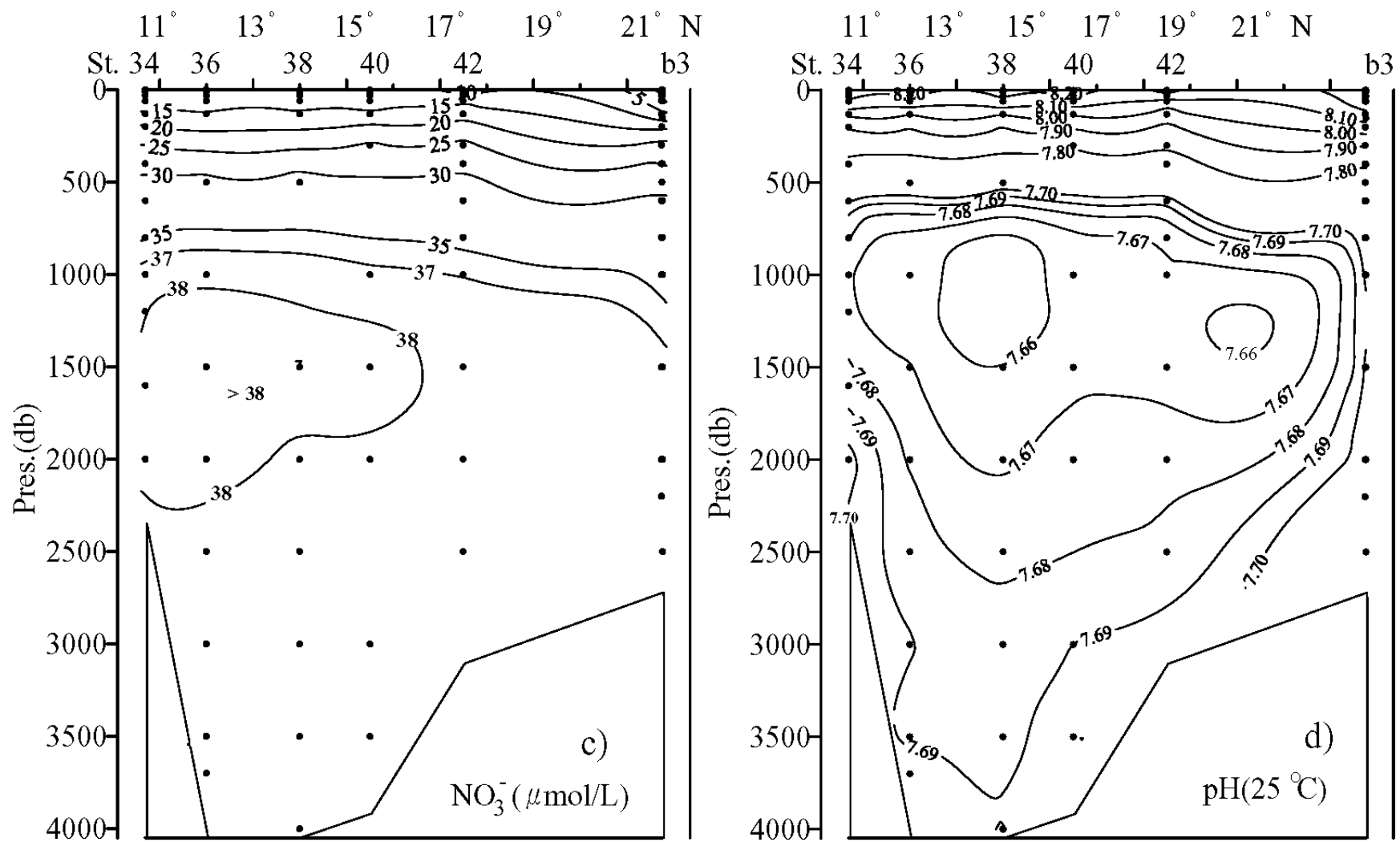
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Fig. 2cd



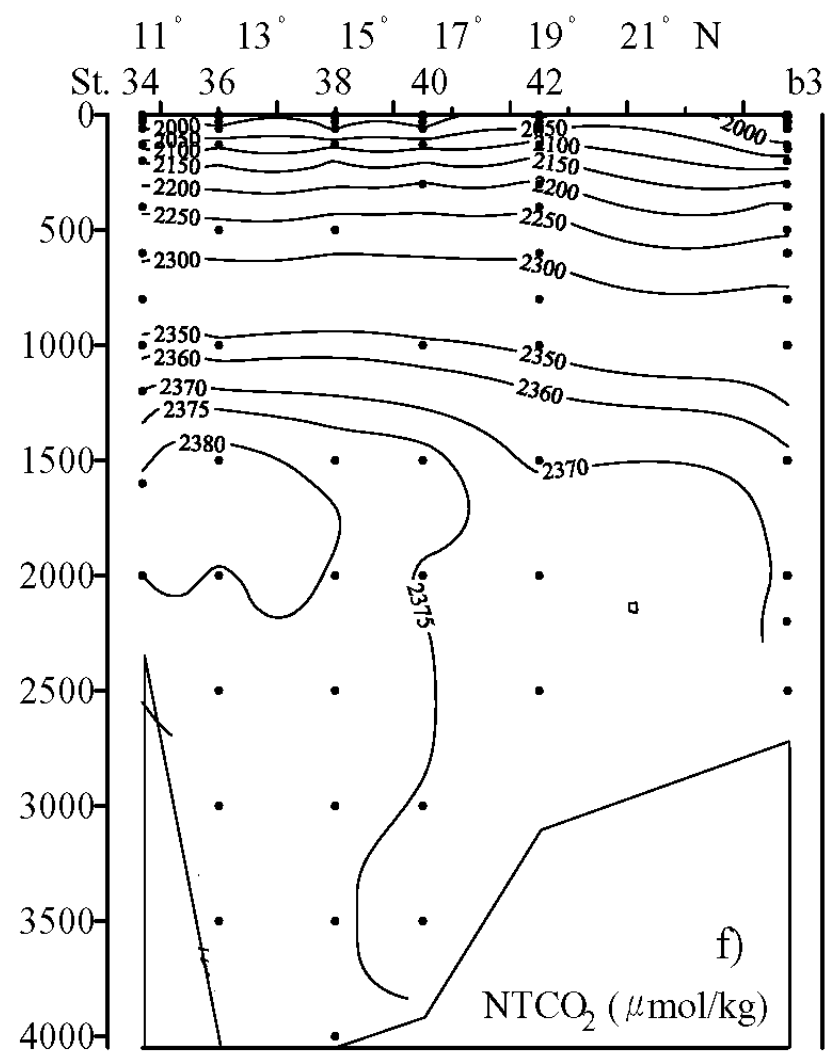
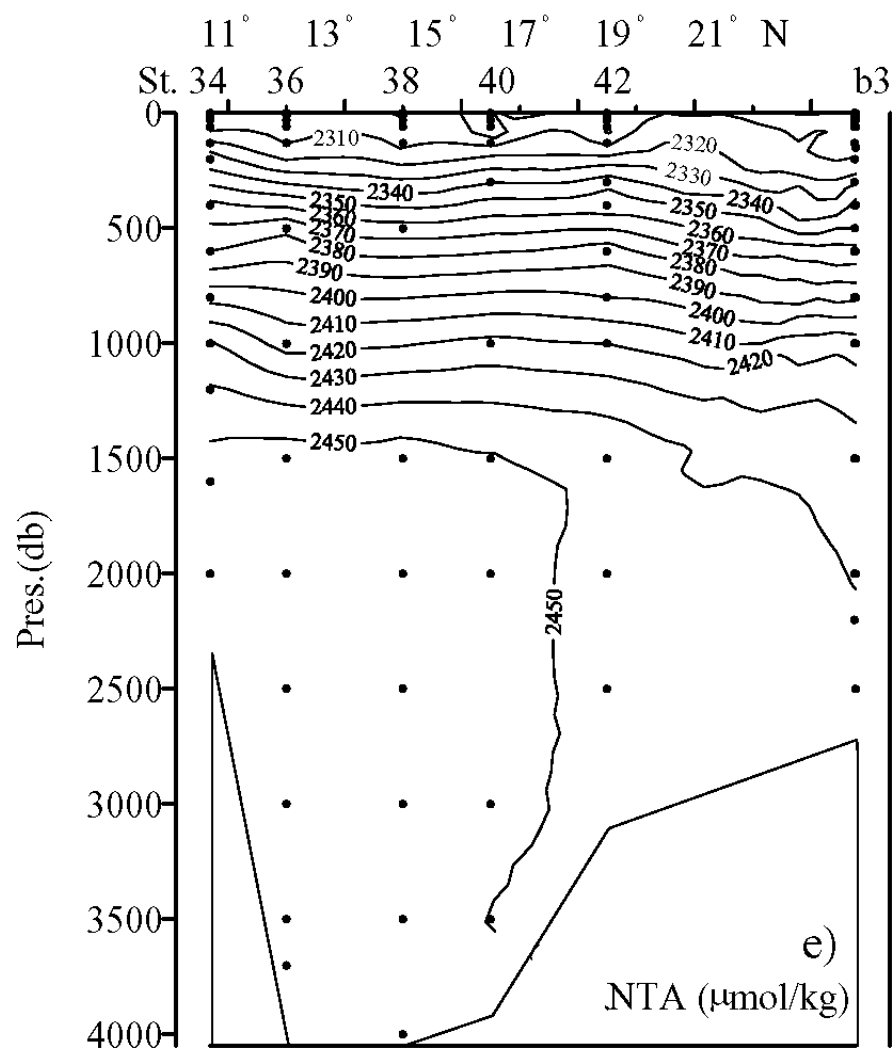
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Fig. 2ef



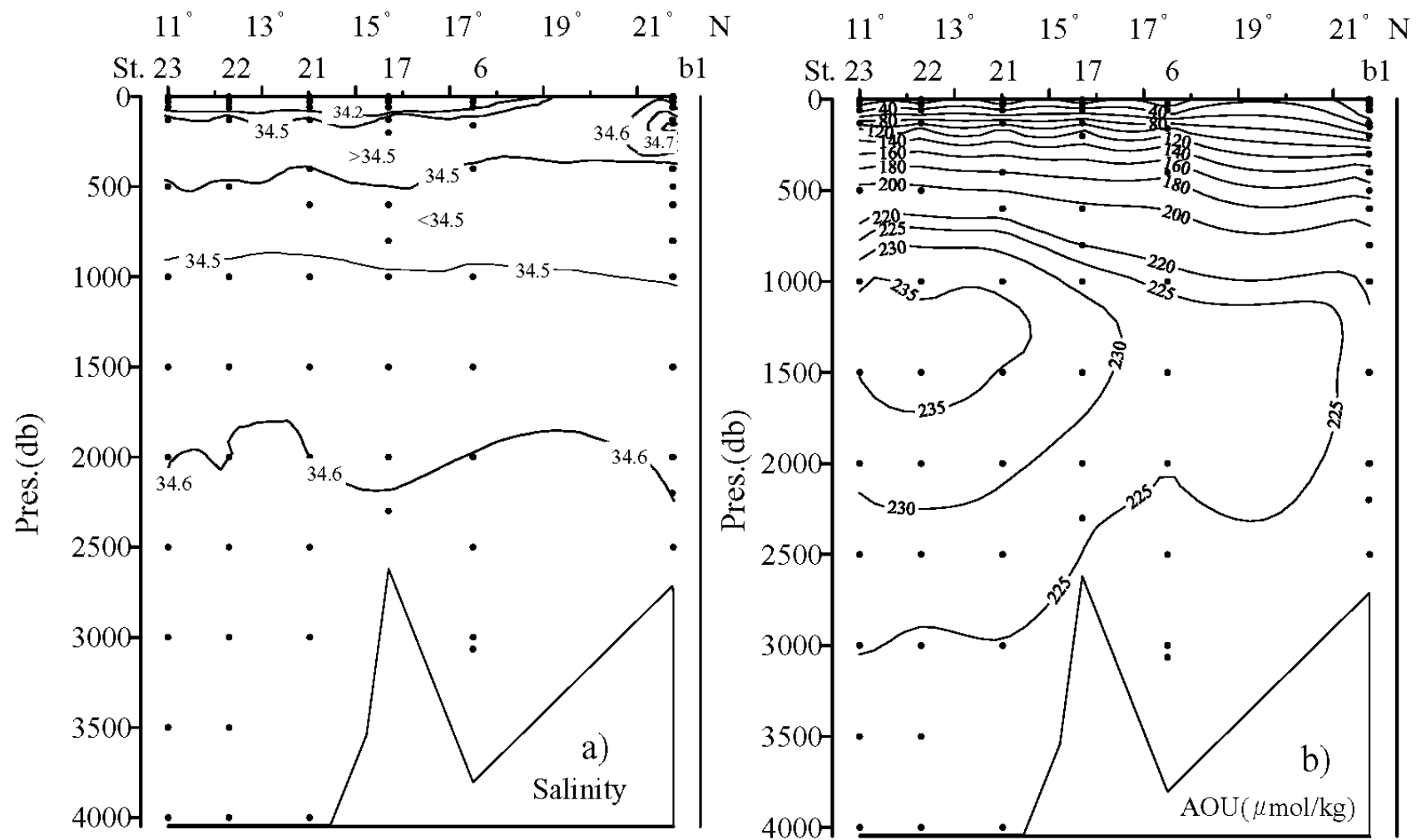
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Fig. 3cd



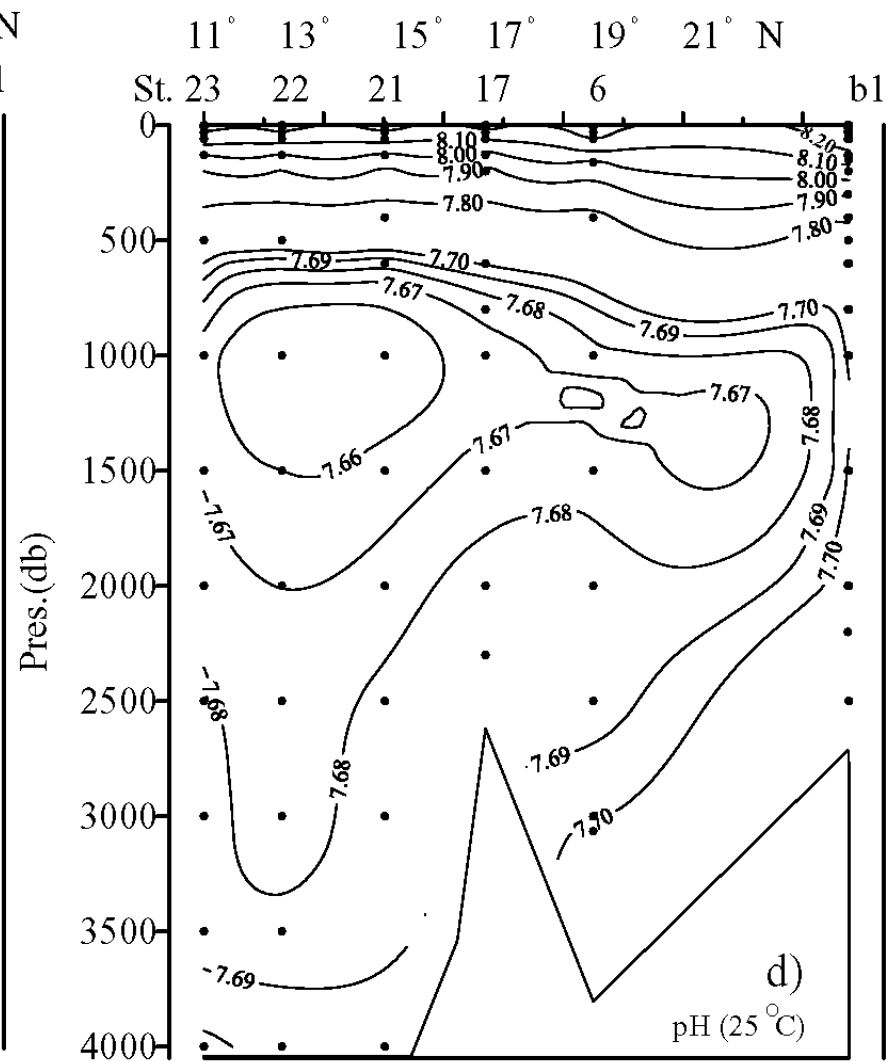
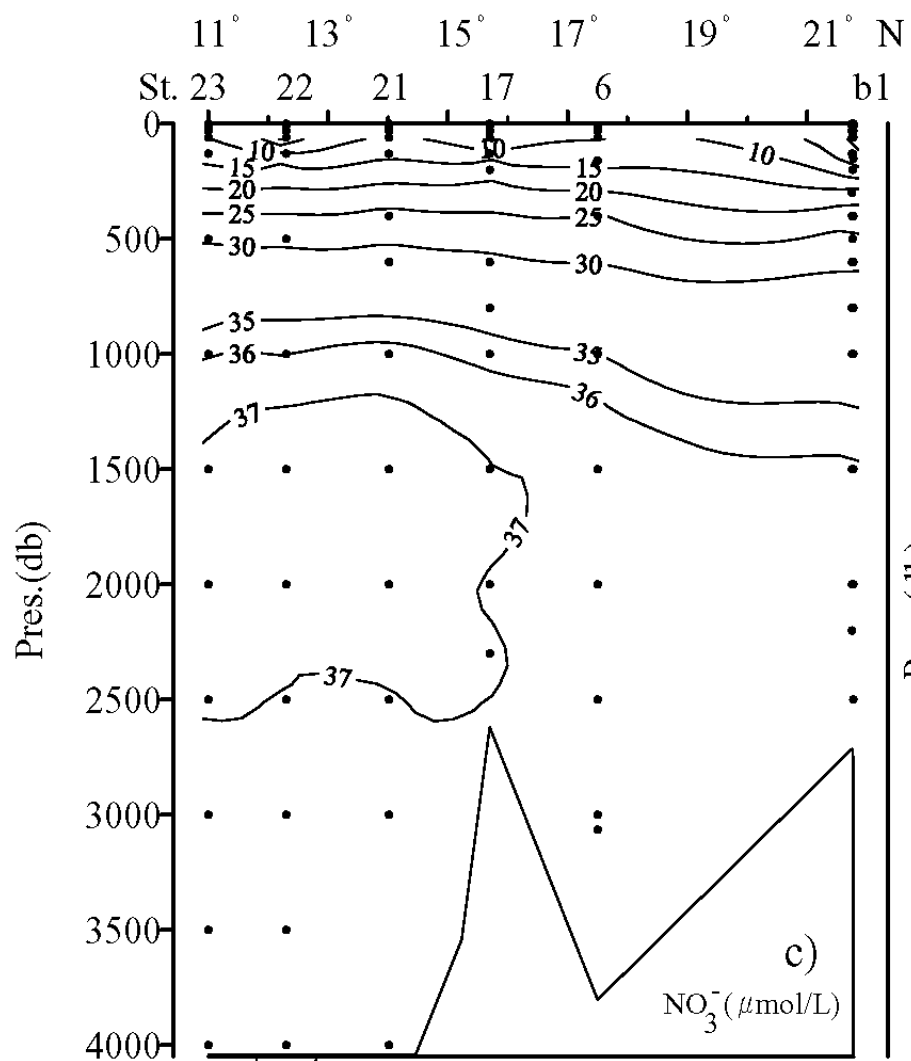
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Fig. 3ef



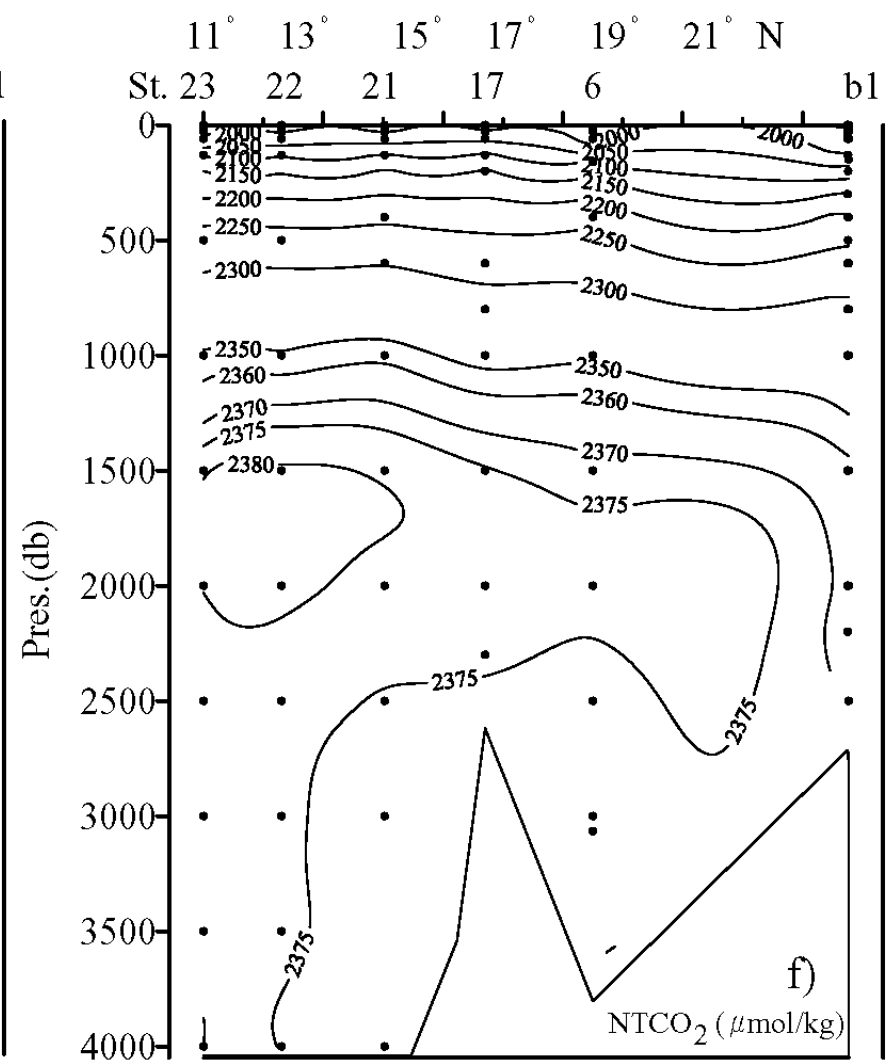
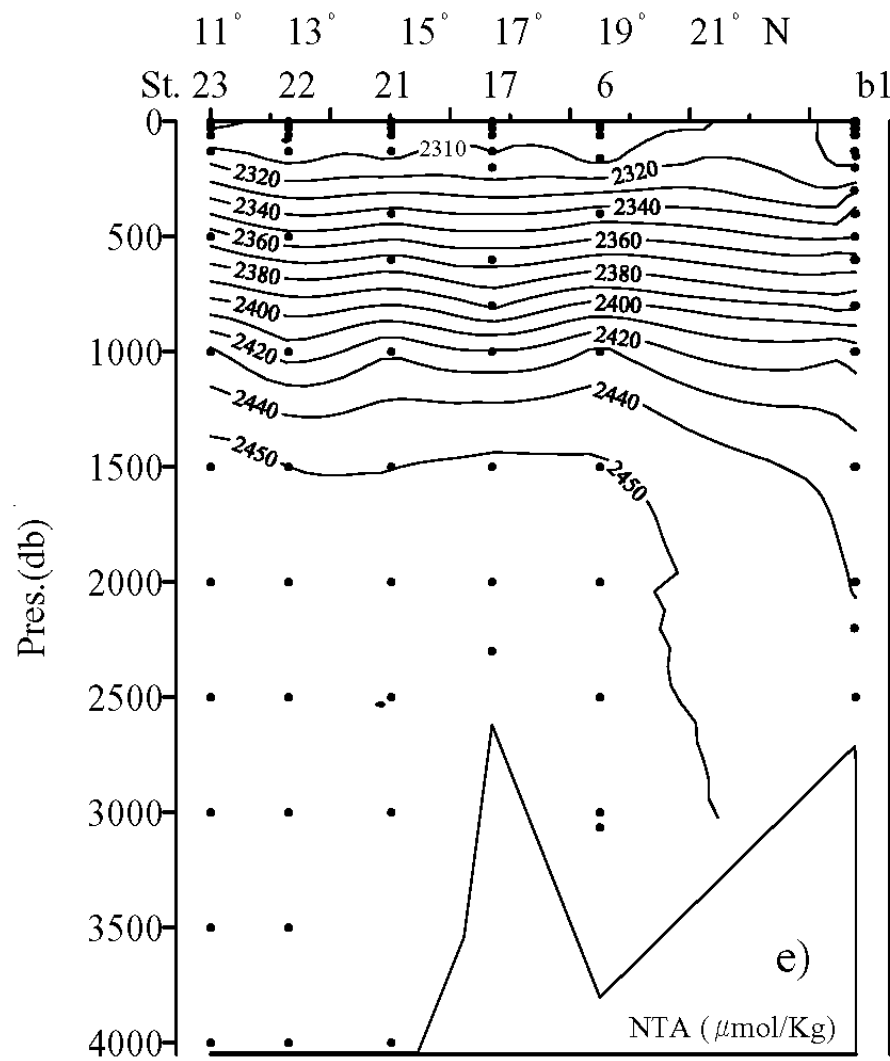
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Fig. 4ab



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Fig. 4cd



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Fig. 4ef

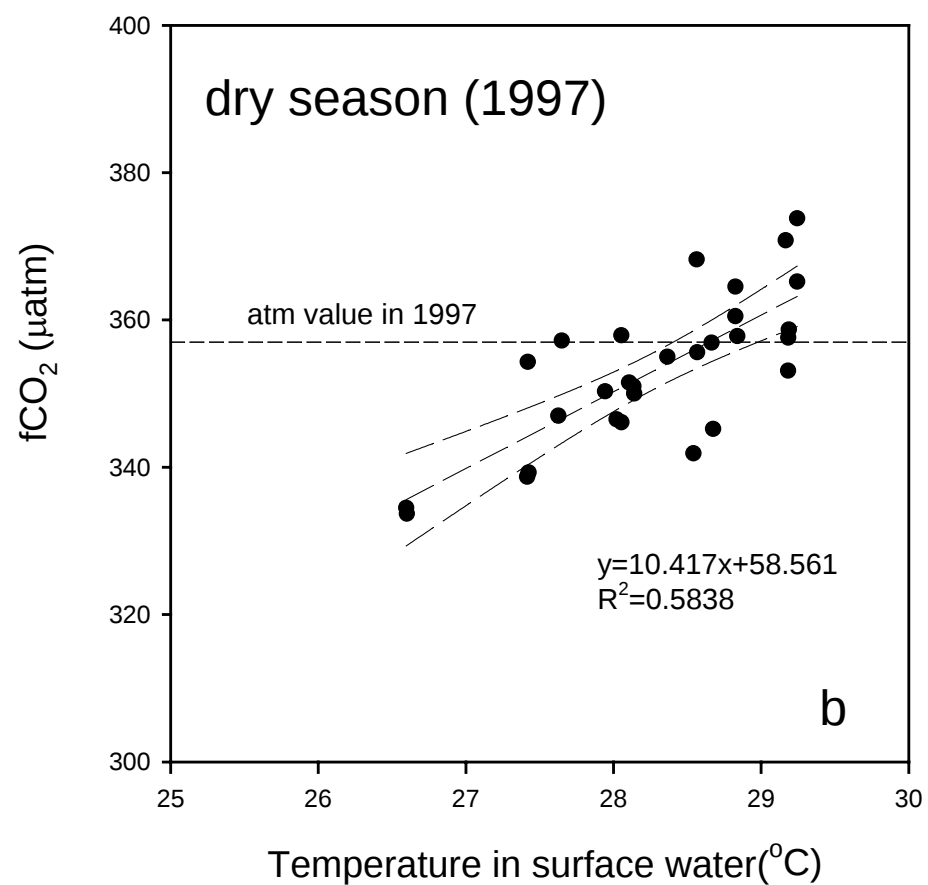
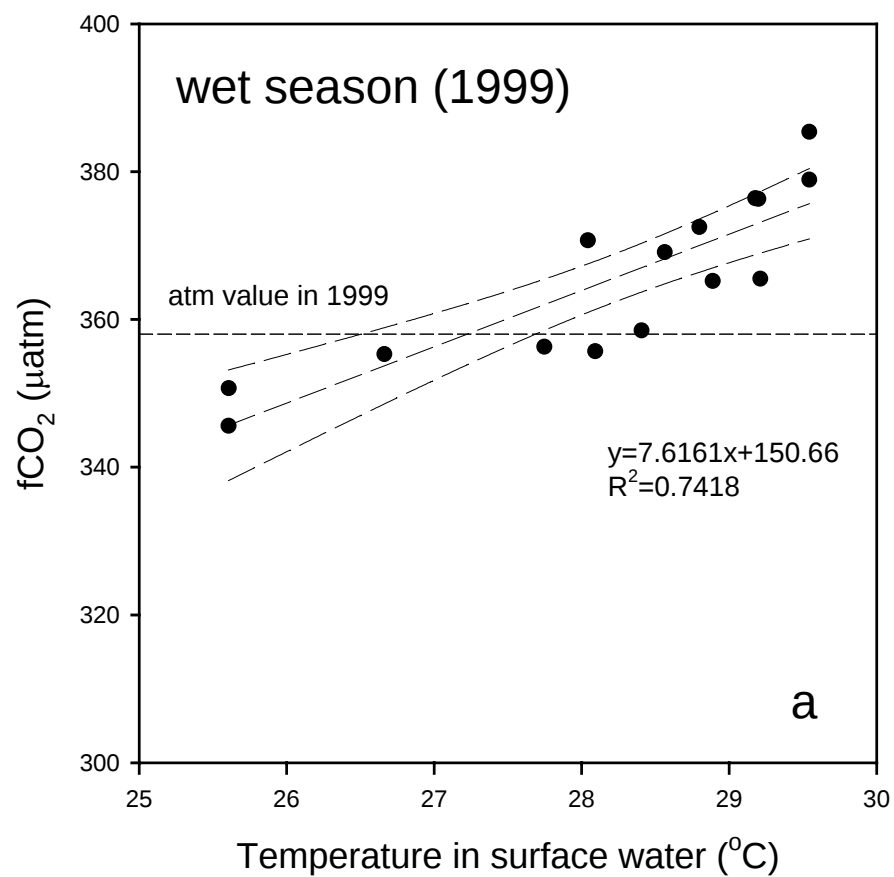


Fig. 5ab

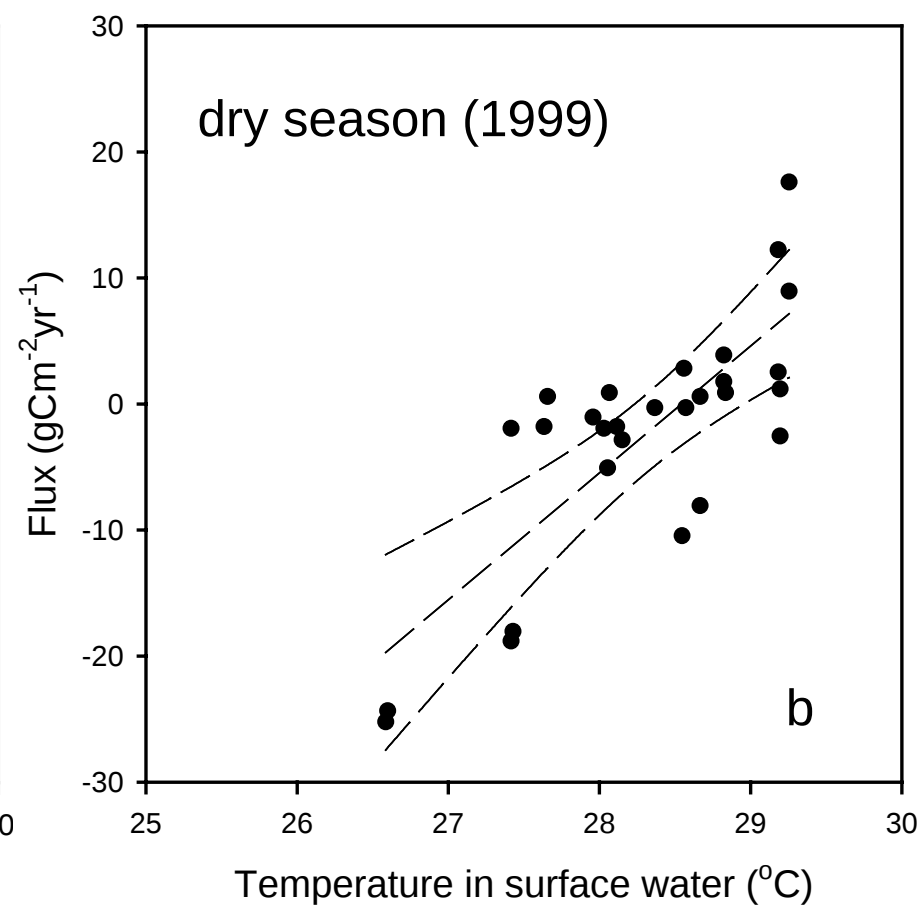
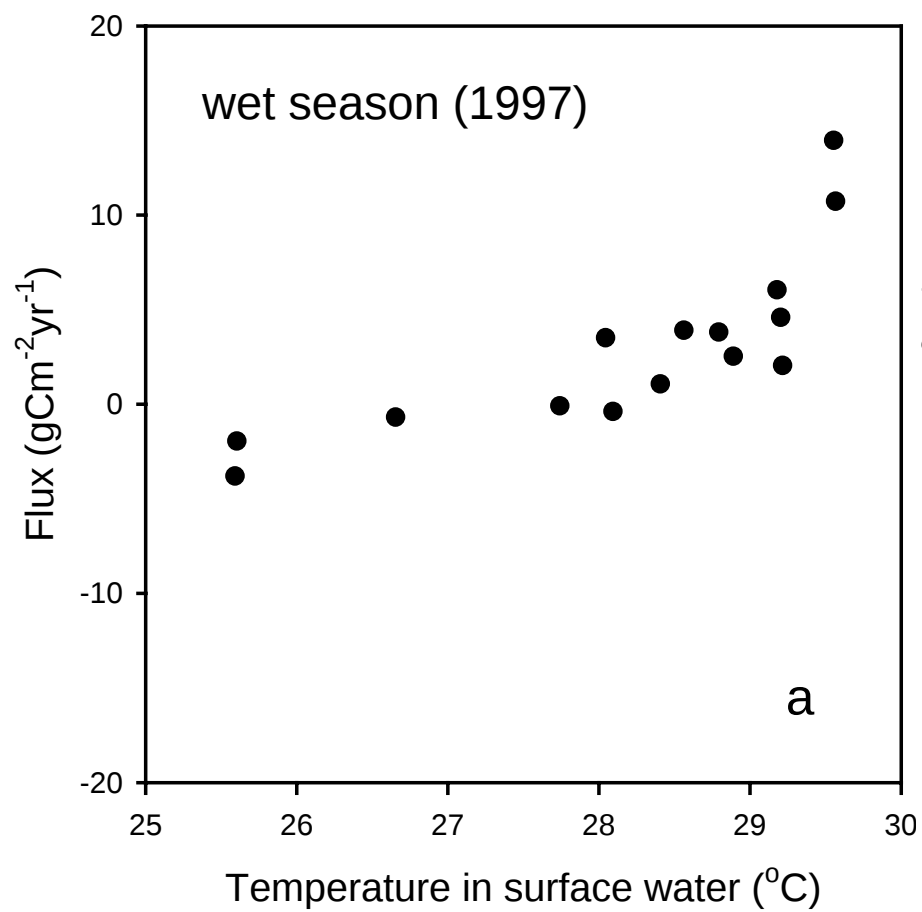


Fig. 6ab

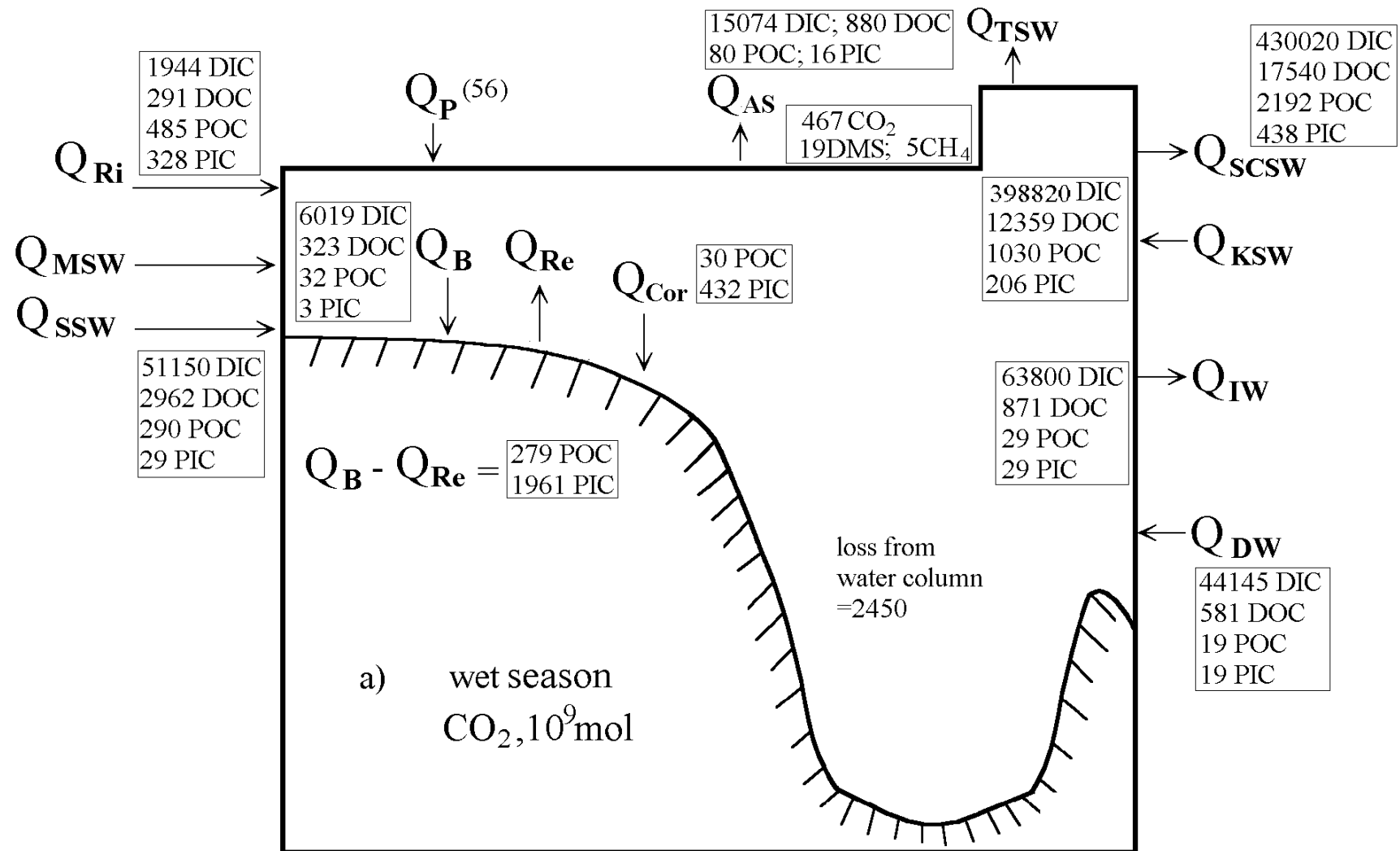


Fig.7

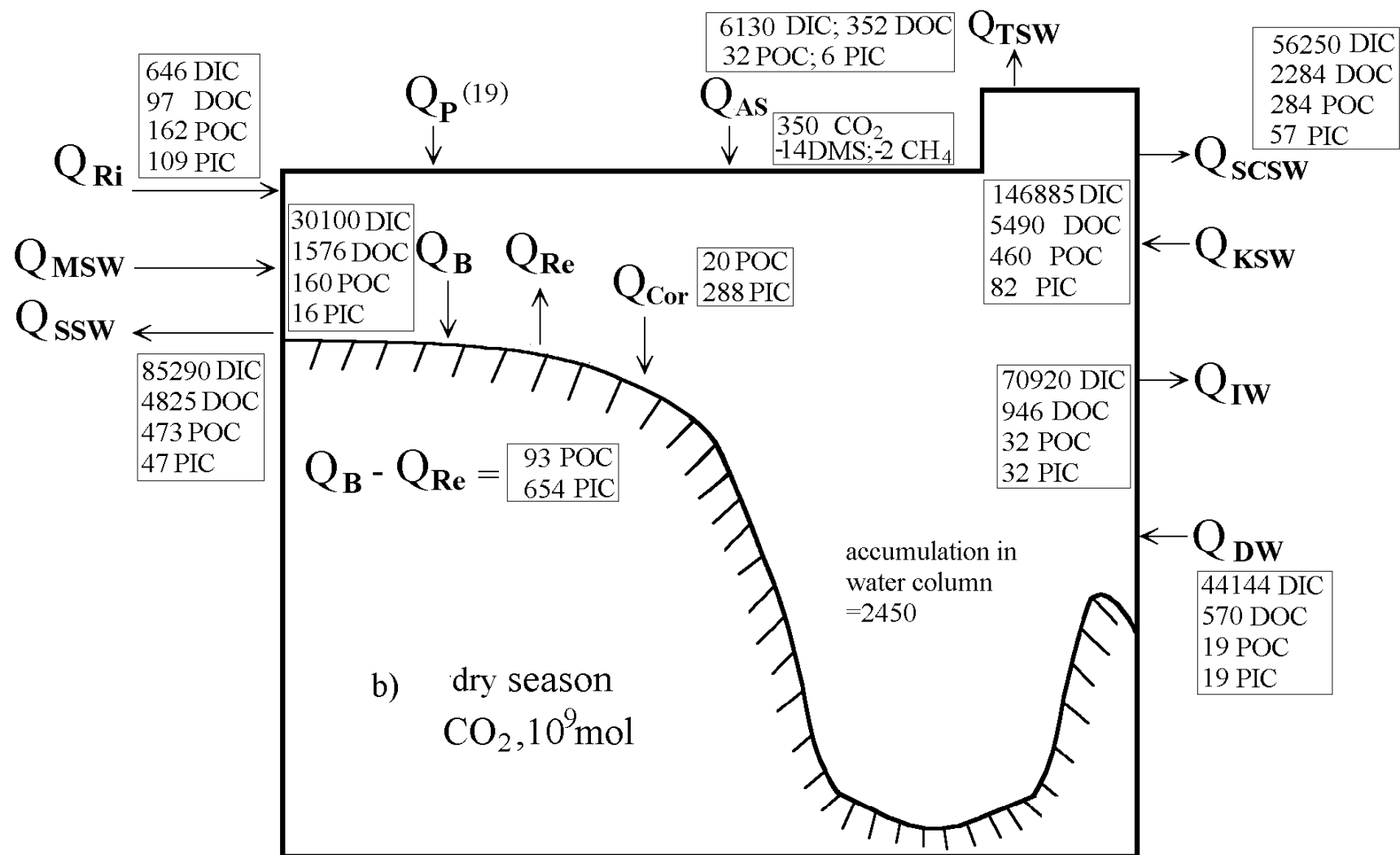


Fig.7

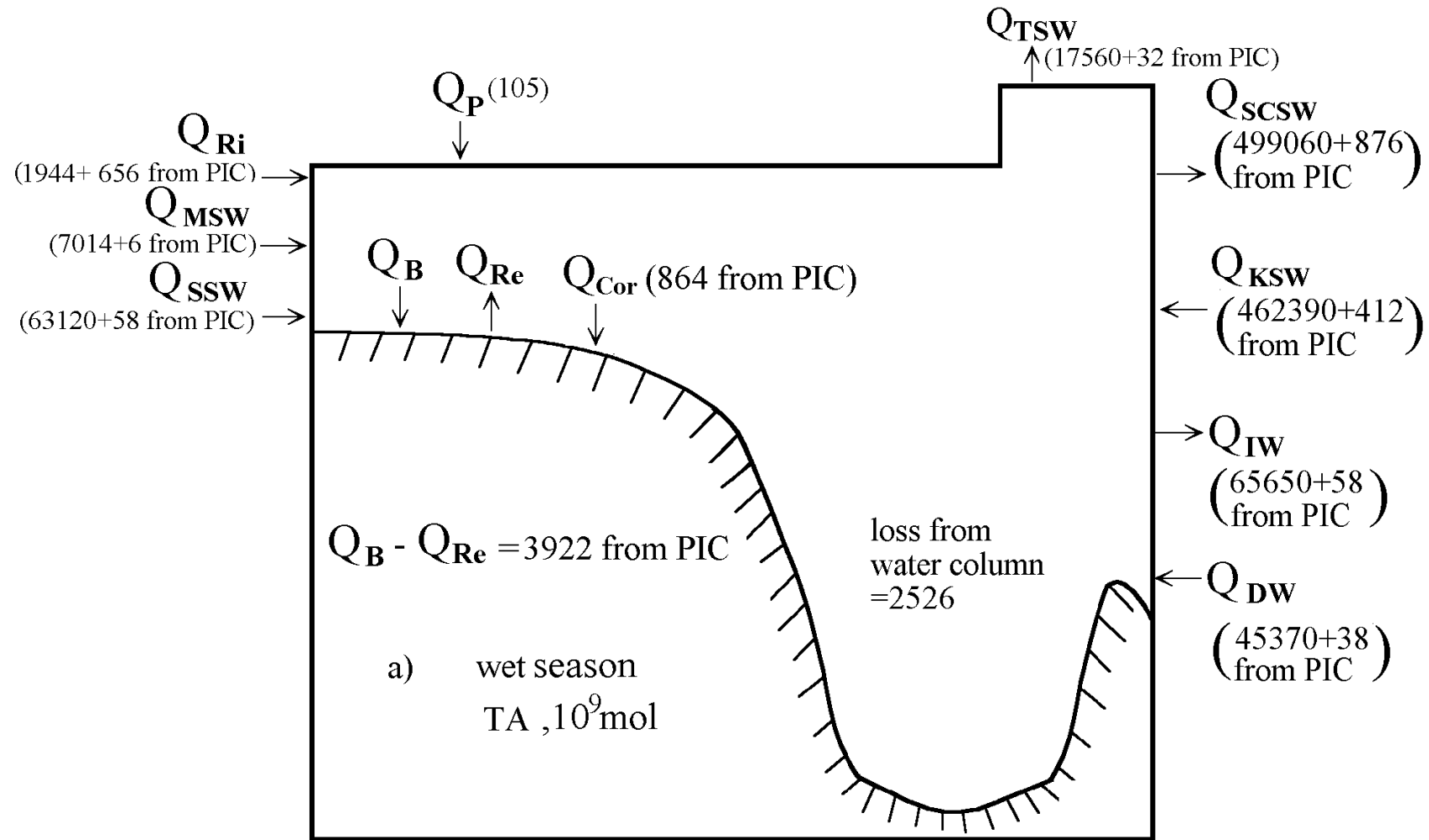


Fig.8 Schematic diagram for the alkalinity budget (numbers in 10^9 mol yr^{-1}) in the South China Sea in the (a) wet and (b) dry seasons.

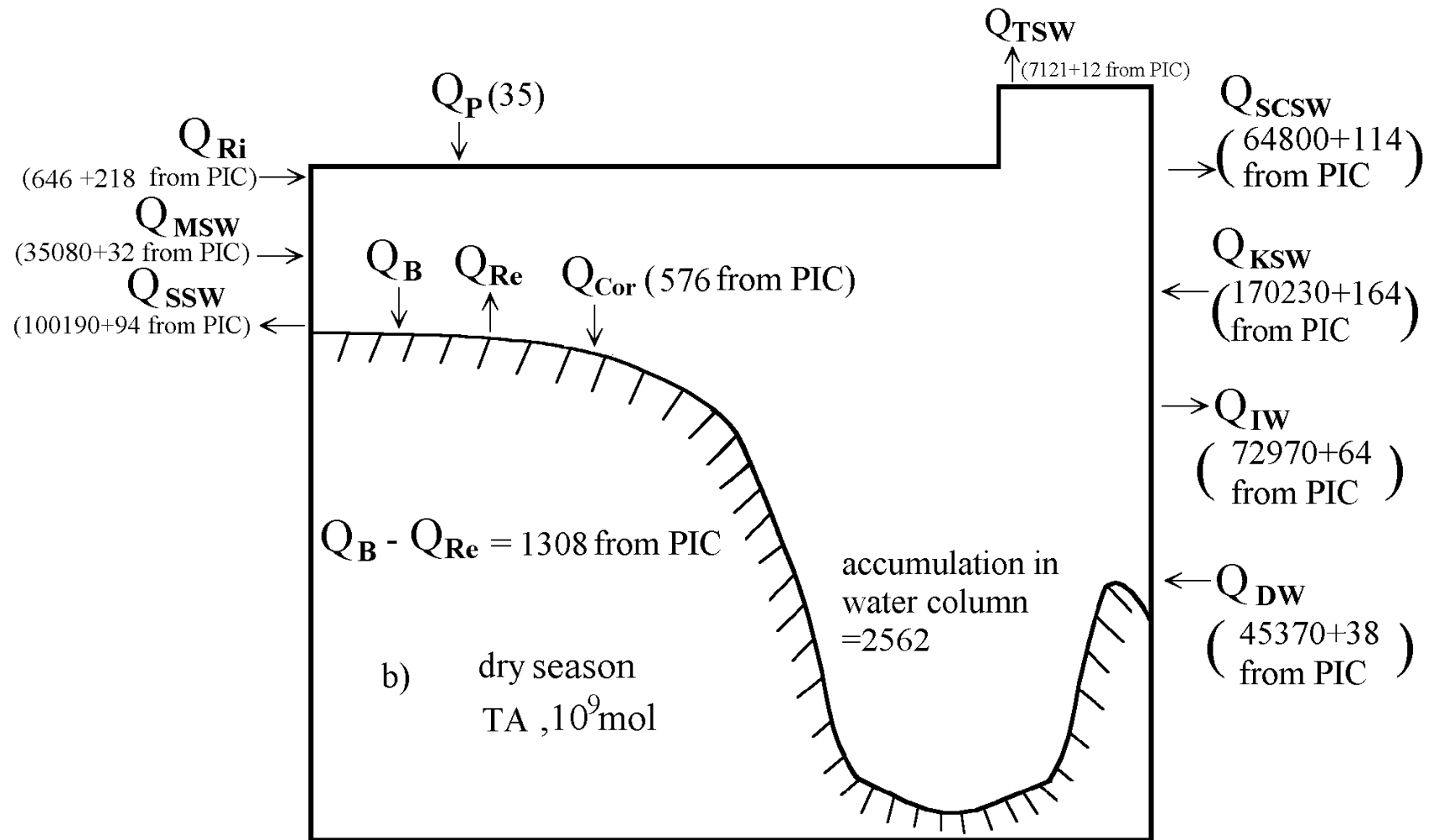


Fig.8

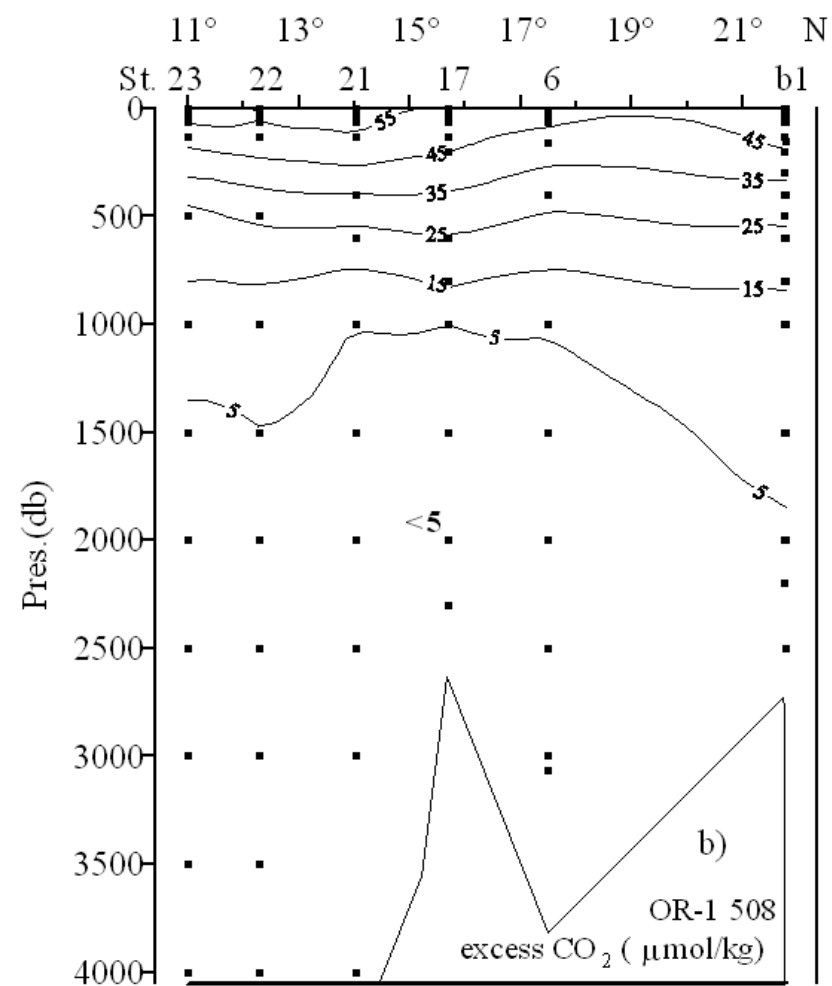
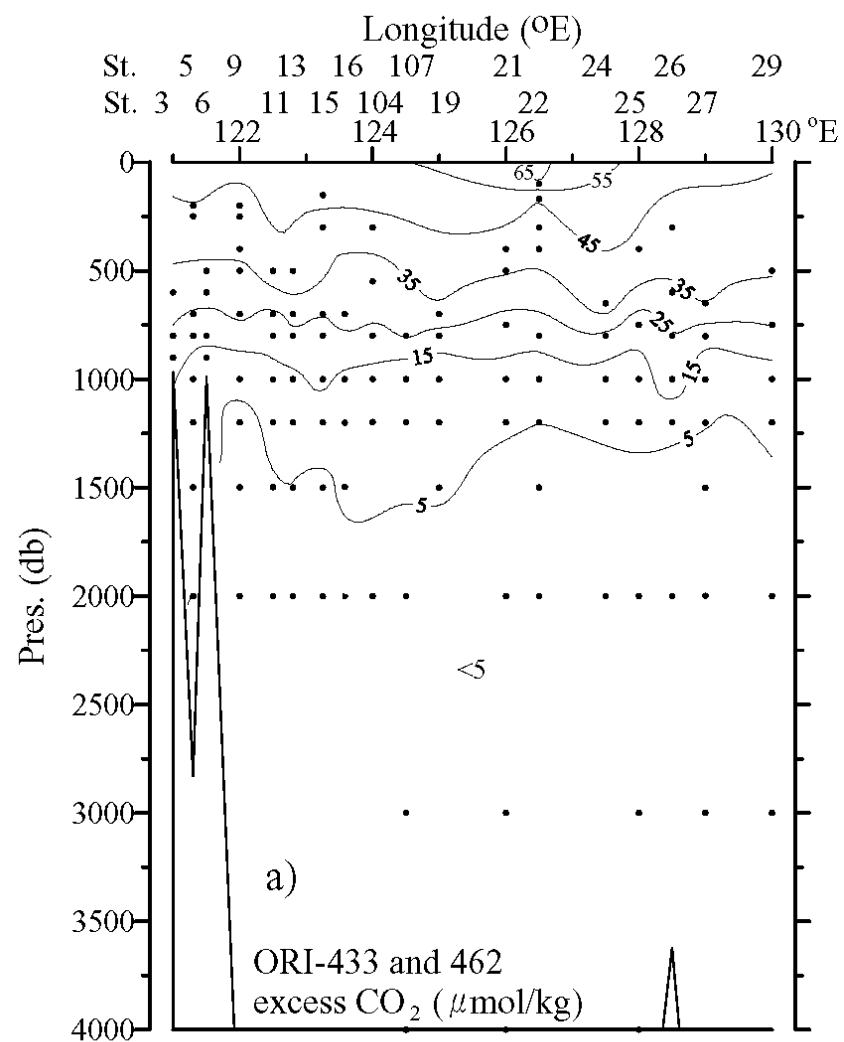


Fig. 9ab

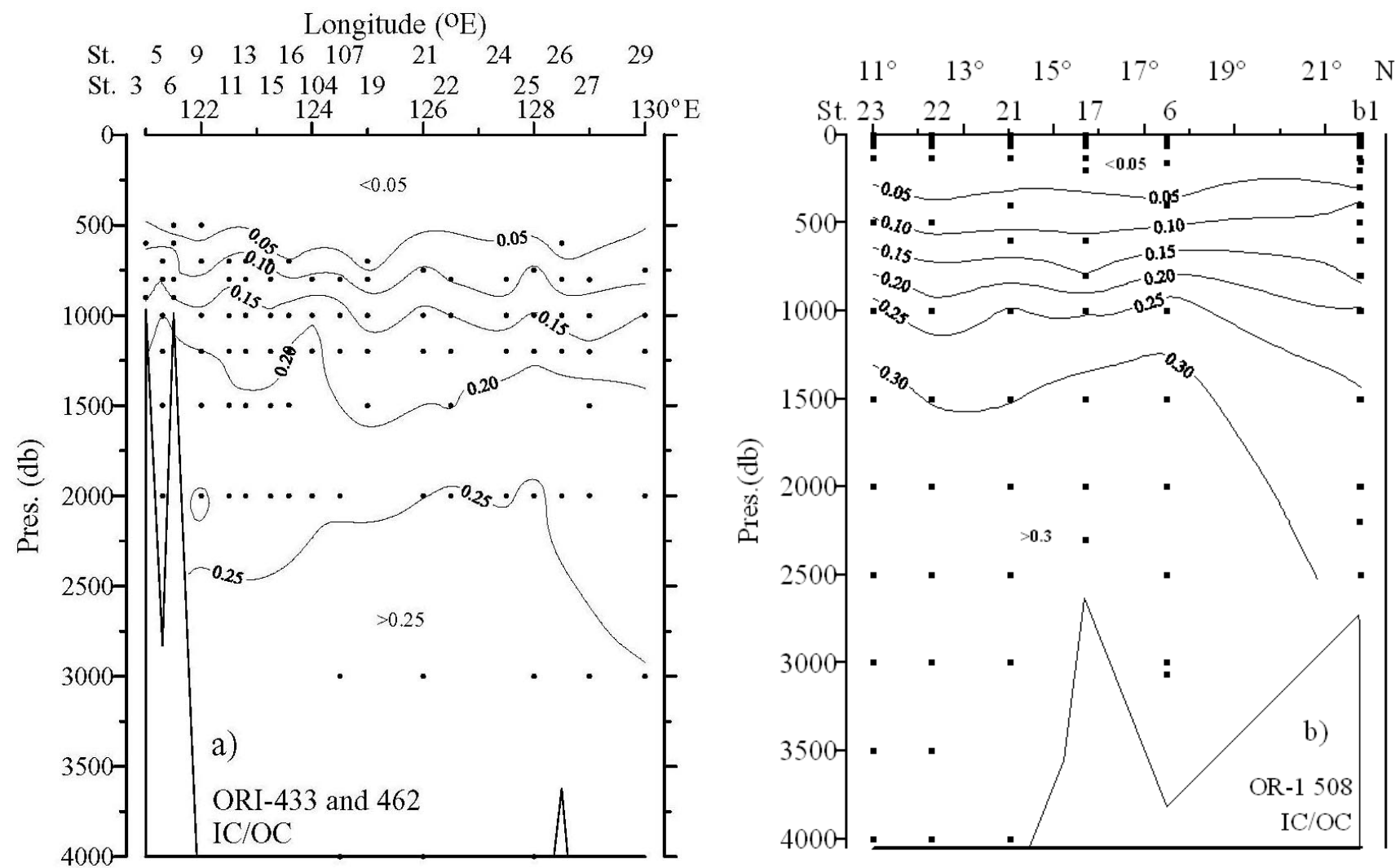


Fig. 10ab

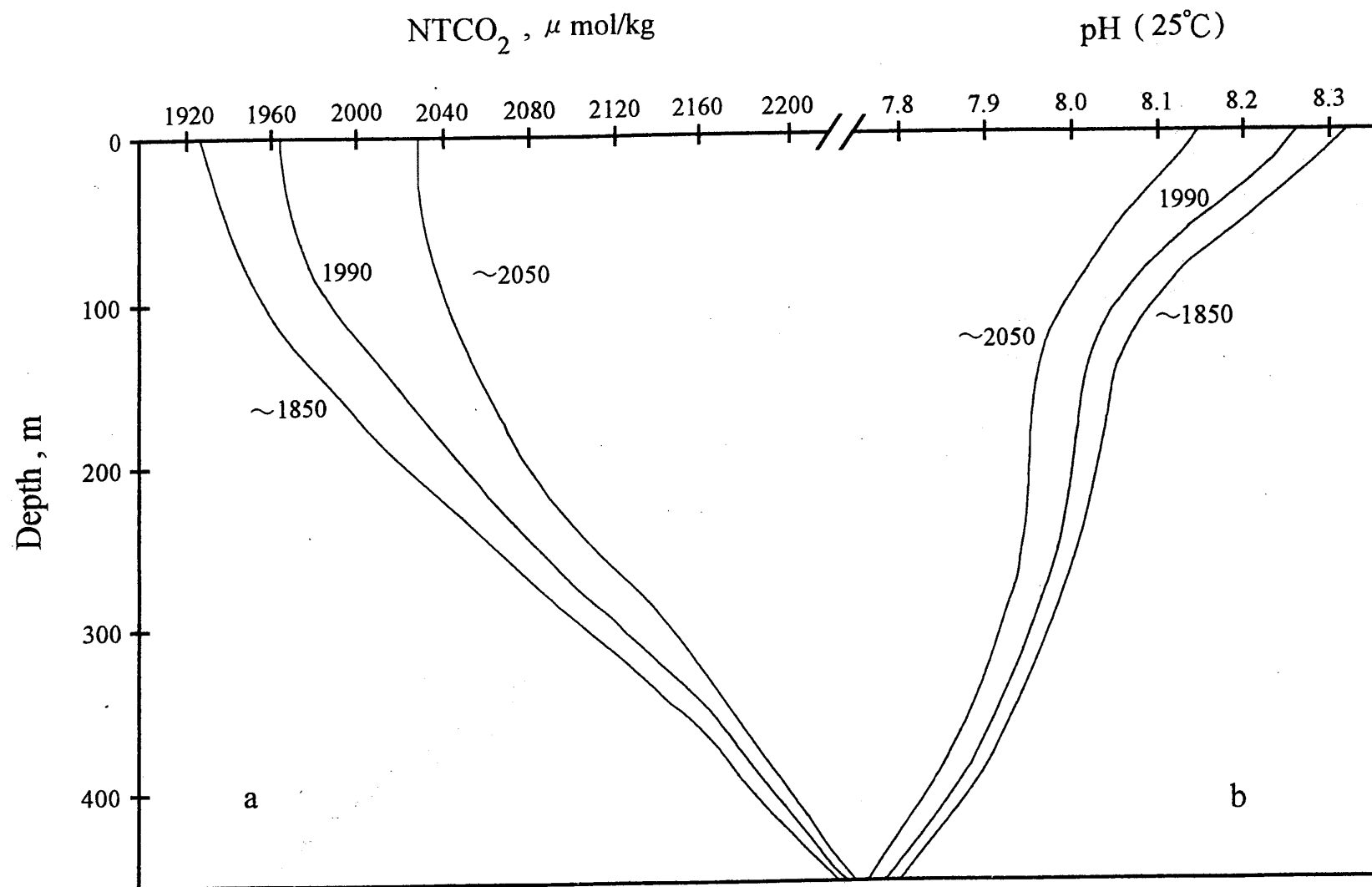


Fig. 11 The typical pre-industrial (~1850), present (1990), and projected (~2050) NTCO₂ (a) and pH (b) vertical profiles of seawater in the SCS.

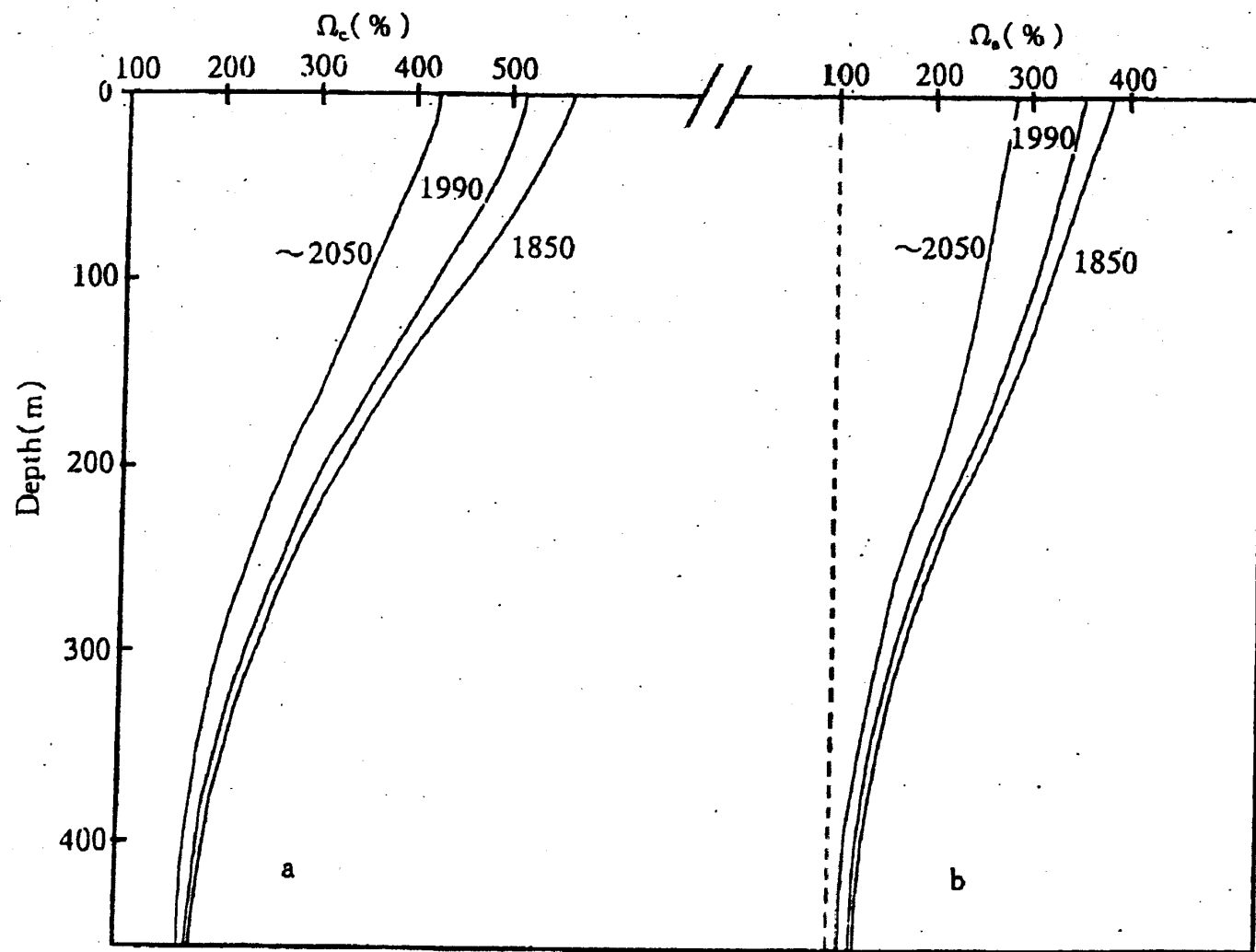


Fig. 12 The typical pre-industrial (~1850), present (1990), and projected (~2050) Ω_c (a) and Ω_a (b) vertical profiles of seawater in the SCS.

