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Interactive comment on "Sources of Fe-binding organic ligands in surface waters of the western Antarctic Peninsula" *by* Indah Ardiningsih et al.

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Figures

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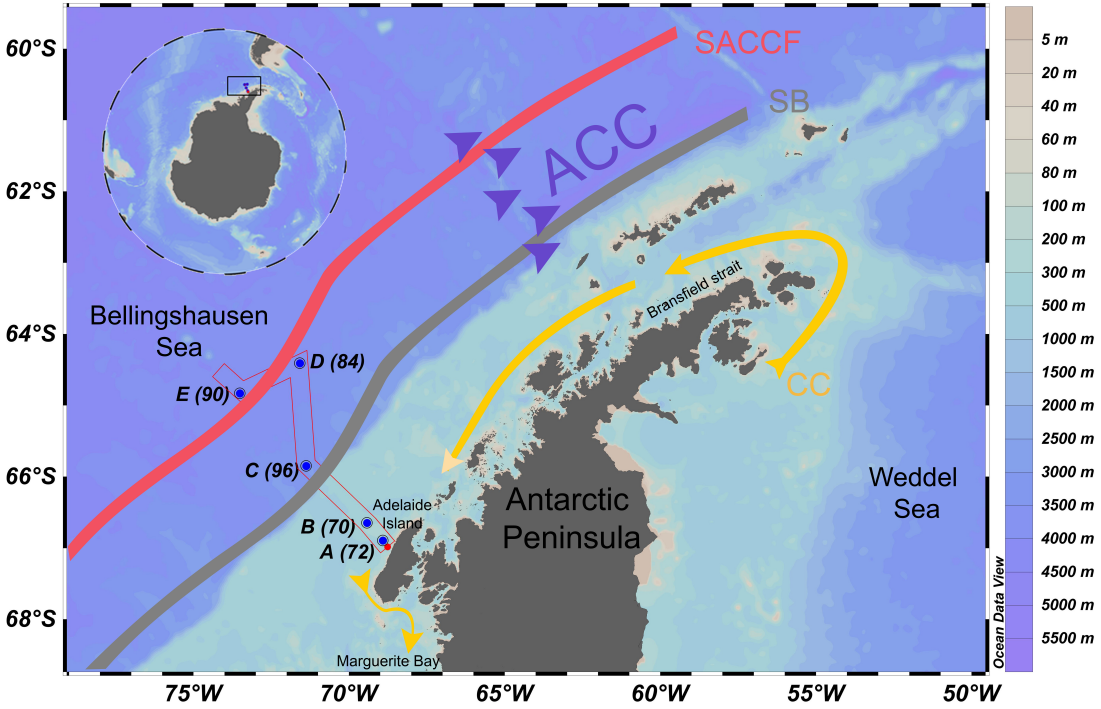

Fig. 1. Map of the sampling sites along our study transect near the Western Antarctic Peninsula.

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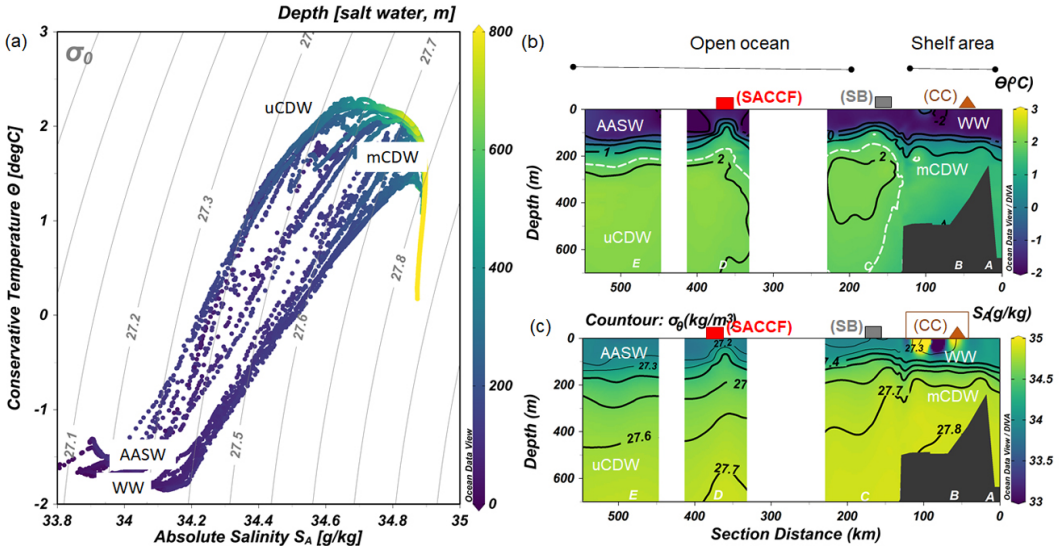

Fig. 2. (a) Diagram of absolute salinity (SA) versus conservative temperature (Æ§) with isopycnal lines and colors denoting depth in m. The distribution along the transect shown in Figure 1 of (b) Æ§ and (c) SA

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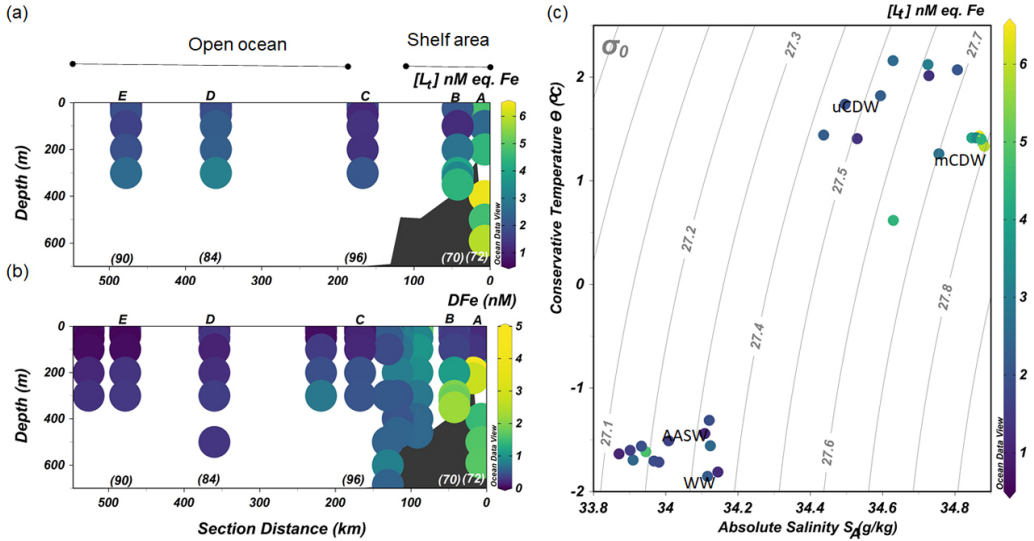

Fig. 3. The distribution along the transect shown in Figure 1 of (a) the concentrations of total Fe-binding ligand [Lt] and (b) concentrations of dissolved-Fe (DFe);and (c) a Æ§- SA diagram

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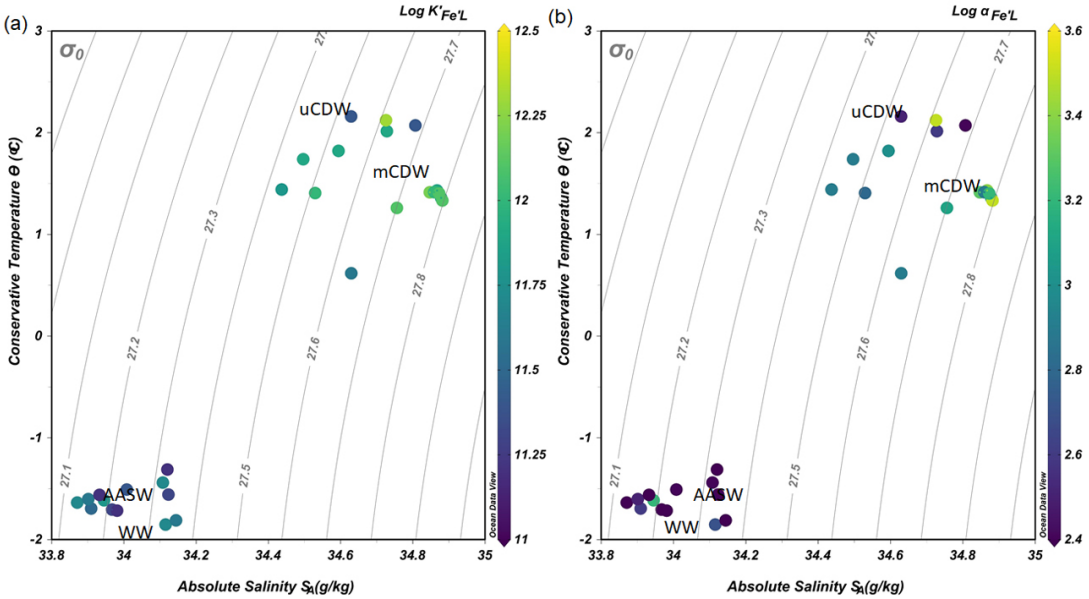

Fig. 4. (a) The binding strength, log "K" _"Fe'L" ^"cond" and (b) complexation capacity, log αFeÎĎL plotted in a Æ§-SA diagram. The color scale indicates the values of log K and log αFeÎĎL.

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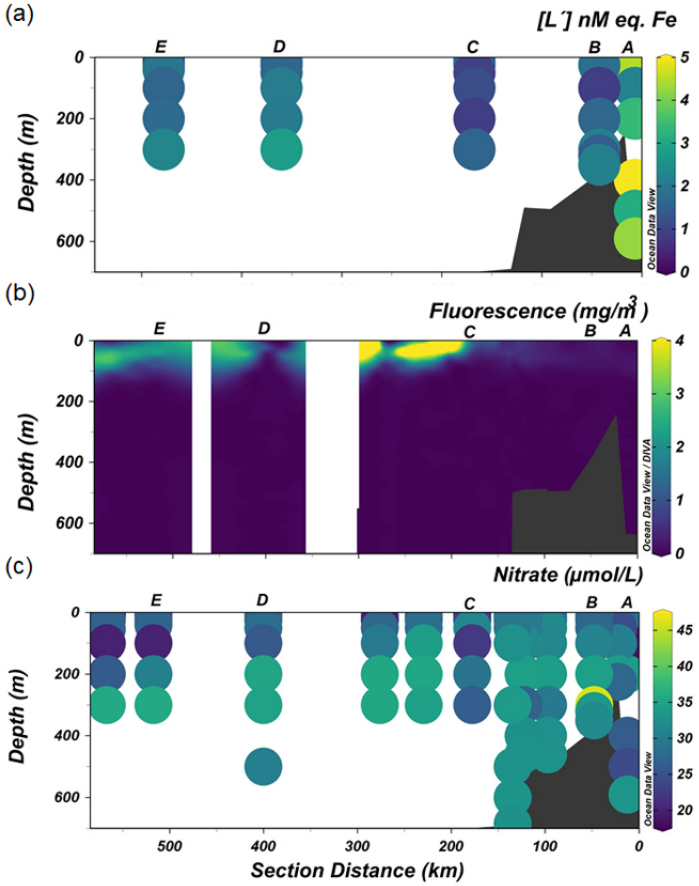

Fig. 5. The distribution along the transect shown in Figure 1 of (a) excess ligand concentrations [L'], (b) Fluorescence, and (c) Nitrate.

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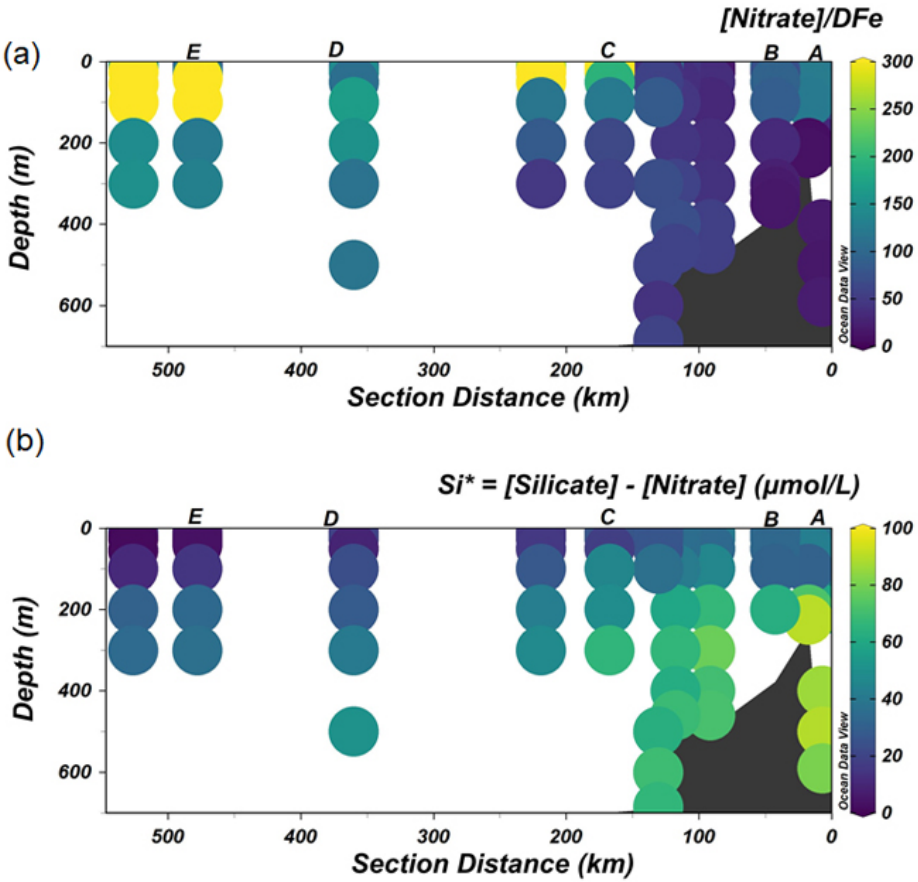

Fig. 6. The distribution of Si*(a) and the ratio of [Nitrate]/DFe (b) along the transect shown in Figure 1.

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