

## Tables

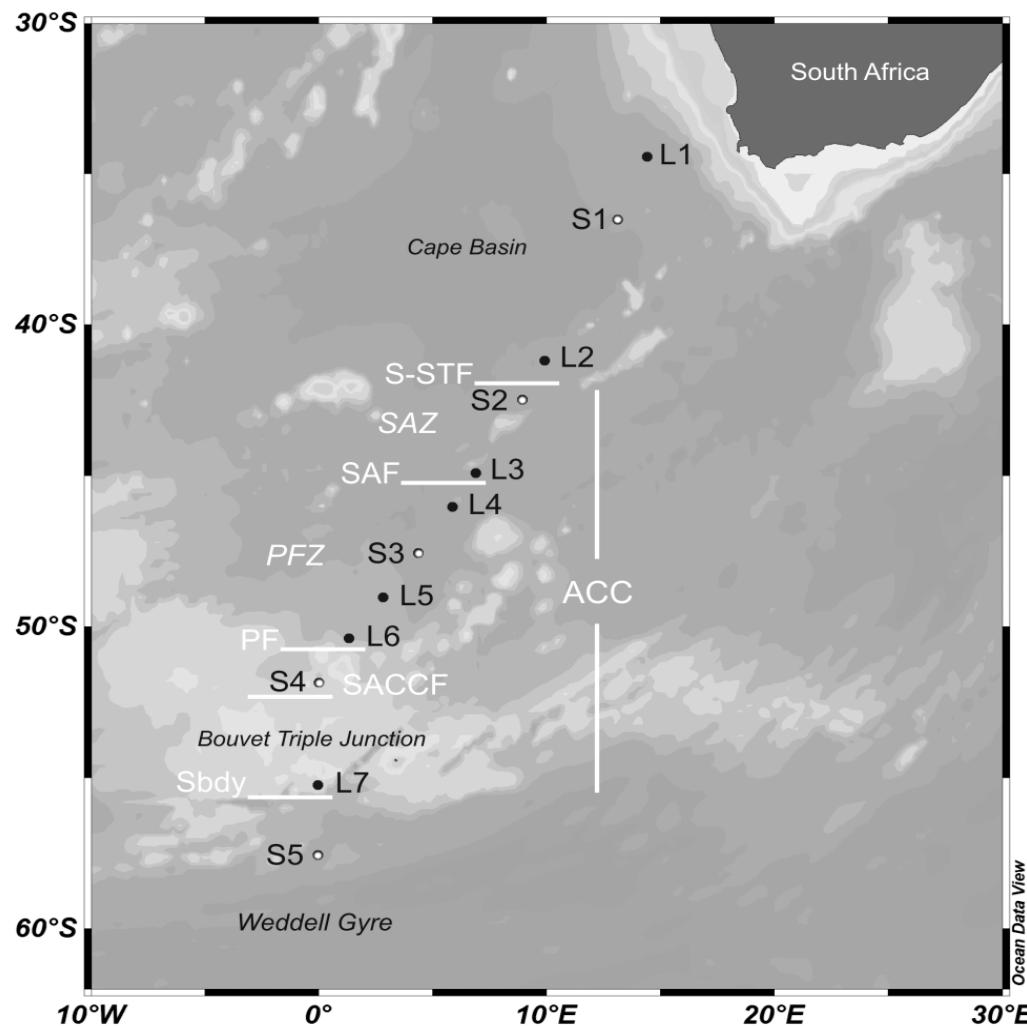
**Table 1-** Comparison of dissolved Cd, Cu, Pb and Ag analyses obtained in the present study by the ID-ICPMS method and of dissolved Mn obtained by the internal standard addition and ICPMS detection, with the consensus values reported by the SAFe program (in the surface-S and deep-D2 samples) and in the North Atlantic GEOTRACES (in the surface-GS and deep-GD samples) Reference Samples (updated in November 2011). All ± terms represent standard deviation from average values.

	SAFe concentration		Consensus value SAFe		GEOTRACES concentration		Consensus value GEOTRACES	
	S	D2	S	D2	GS	GD	GS	GD
Cd	0.77±0.96 pM (n=4)	1034±15 pM (n=8)	1.00±0.2 pM	986±27 pM	2.86±0.37 pM (n=3)	287±7 pM (n=4)	2.4±0.4 pM	273±6 pM
Cu	0.56±0.03 nM (n=10)	1.39±0.13 nM (n=9)	0.51±0.05 nM	2.25±0.11 nM	0.72±0.07 nM <sup>a</sup> (n=4)	1.12±0.04 nM <sup>a</sup> (n=4)	0.83±0.08 nM	1.55±0.13 nM
Mn	0.93±0.06 nM (n=4)	0.49±0.07 nM (n=4)	0.79±0.06 nM <sup>b</sup>	0.35±0.06 nM <sup>b</sup>	Not measured	Not measured	1.45±0.17 nM	0.21±0.04 nM
Pb	51.2±2.2 pM (n=11)	36.3±1.4 pM (n=7)	47.6±2.4 pM	27.7±1.8 pM	31.1±1.6 pM (n=4)	43.8±3.2 pM (n=4)	29.5±2.1 pM	42.2±1.3 pM
Ag	3.5±0.7 pM (n=3)	26.2±0.9 pM (n=5)	No value	No value	2.7±0.9 pM (n=3)	13.1±1.0 pM (n=4)	No value	No value

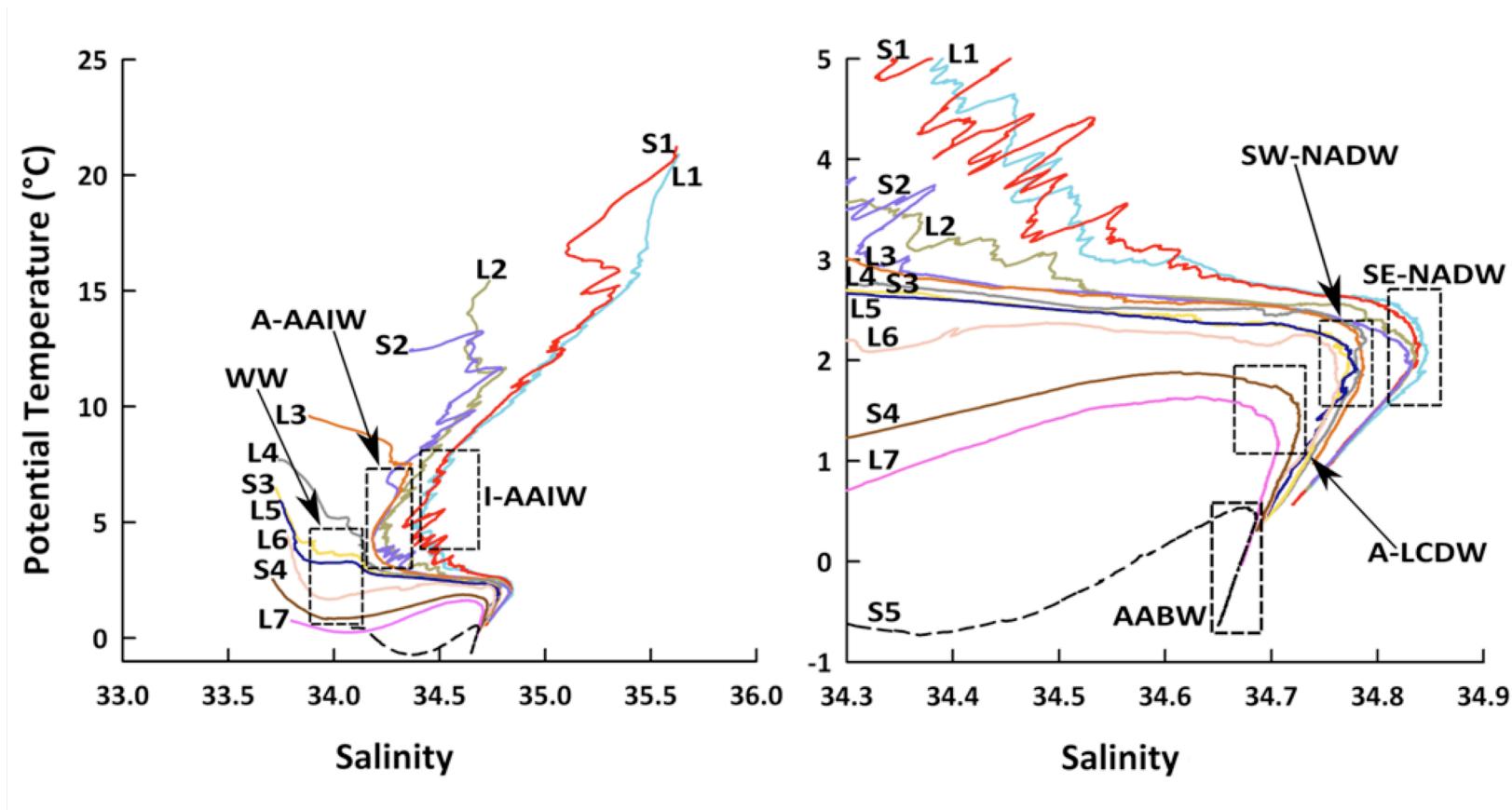
<sup>a</sup> The UV oxidation of the samples might be required to obtain an accurate value for dissolved Cu using this method (Milne et al., 2010); <sup>b</sup> In general methods based upon ICP-MS yield higher dissolved Mn concentrations than methods based upon catalytic-enhanced flow injection. Furthermore there are significant differences between UV treatment and non-UV treated samples for dissolved Mn ([http://www.geotraces.org/images/stories/documents/intercalibration/Files/Reference\\_Samples\\_November11/SAFe\\_Ref\\_Mn.pdf](http://www.geotraces.org/images/stories/documents/intercalibration/Files/Reference_Samples_November11/SAFe_Ref_Mn.pdf)).

## Figures

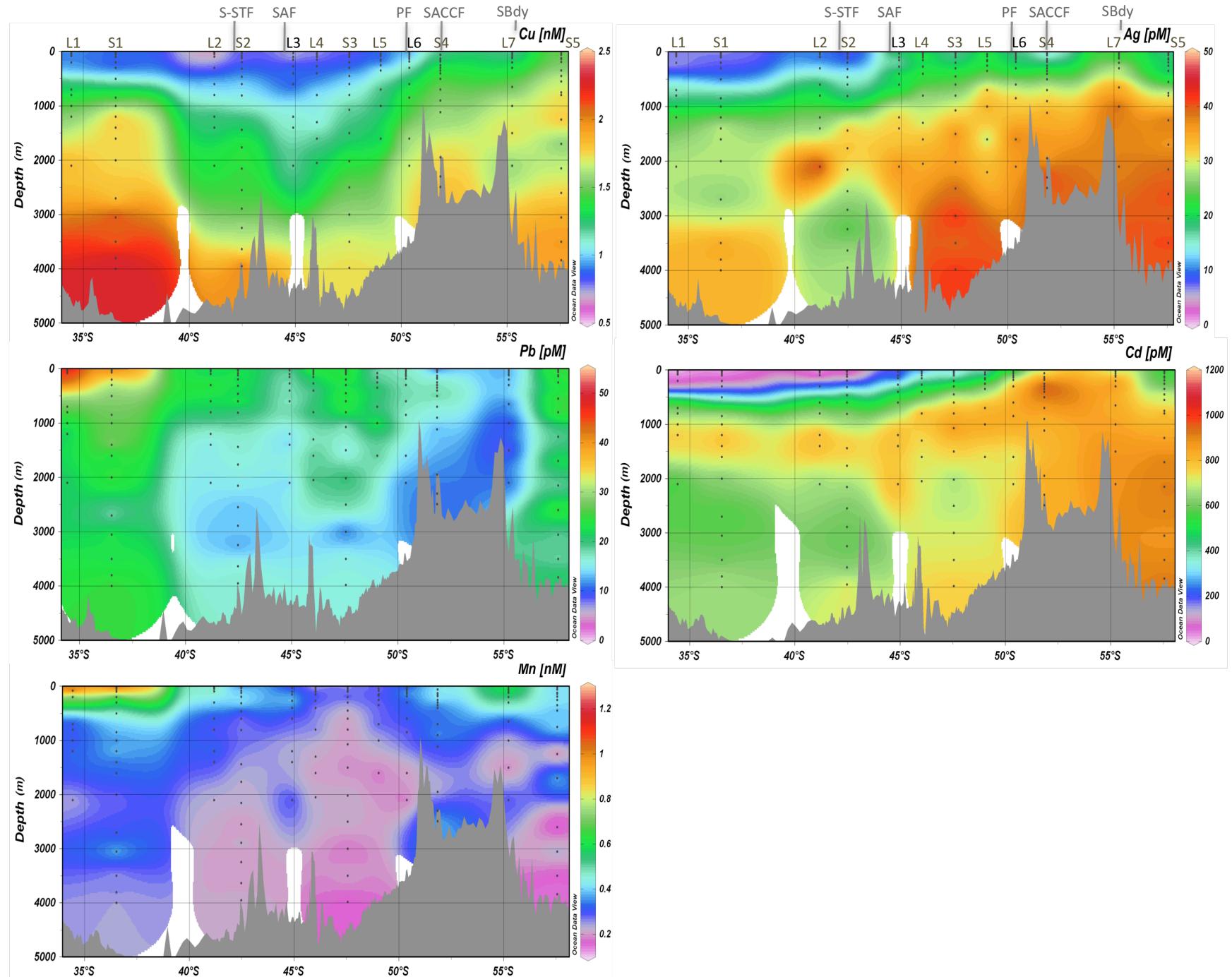
**Figure 1**

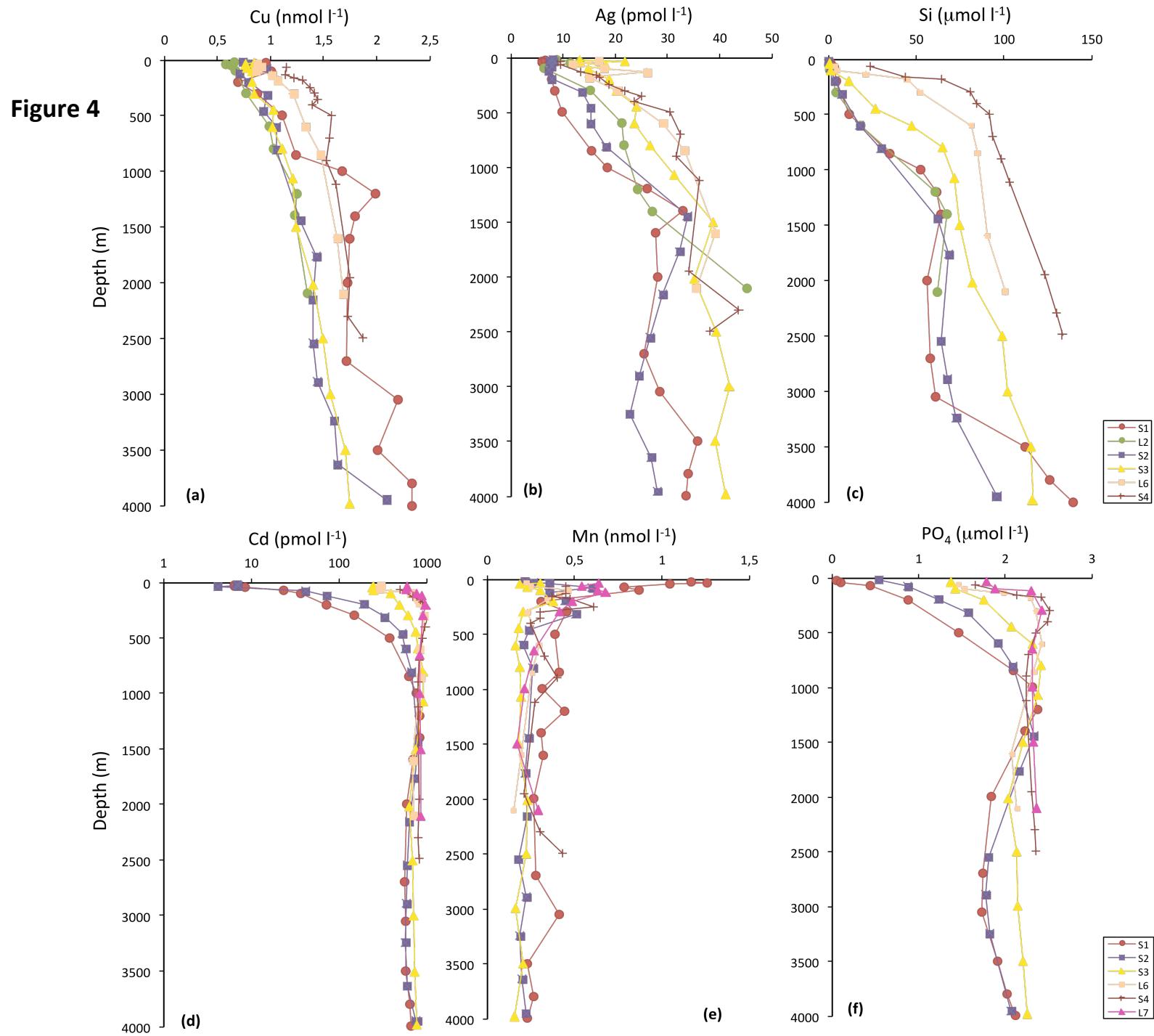


**Figure 2**

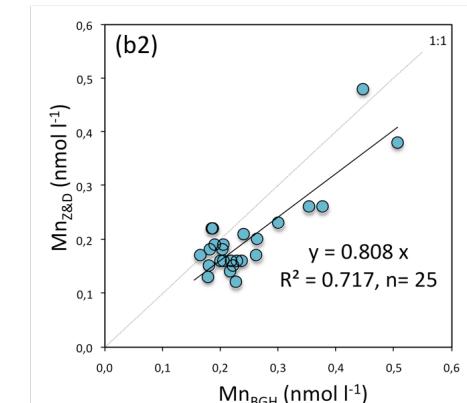
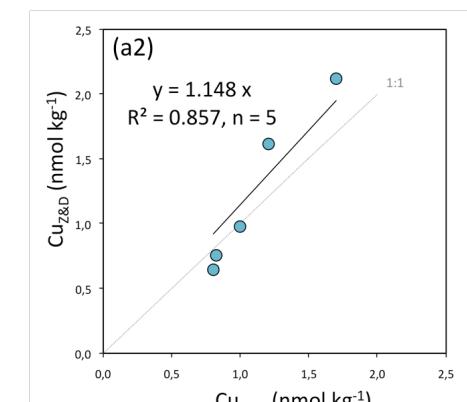
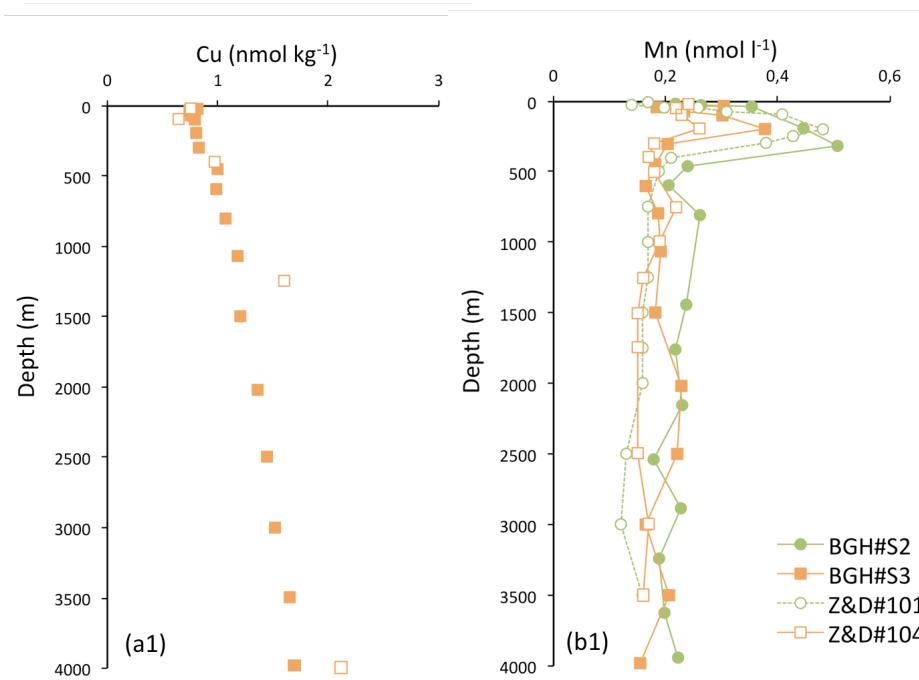
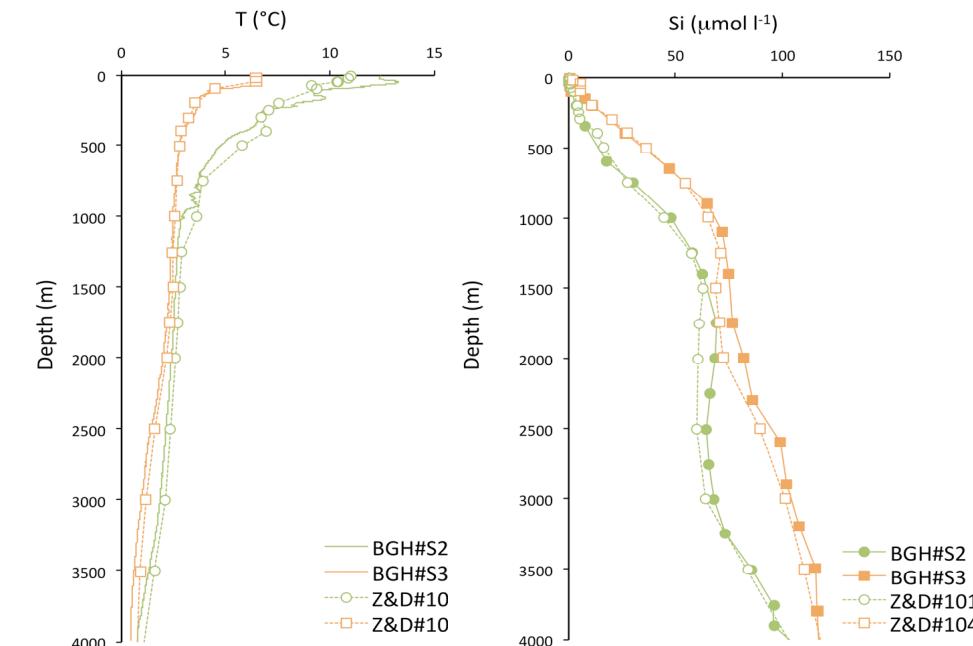


**Figure 3**

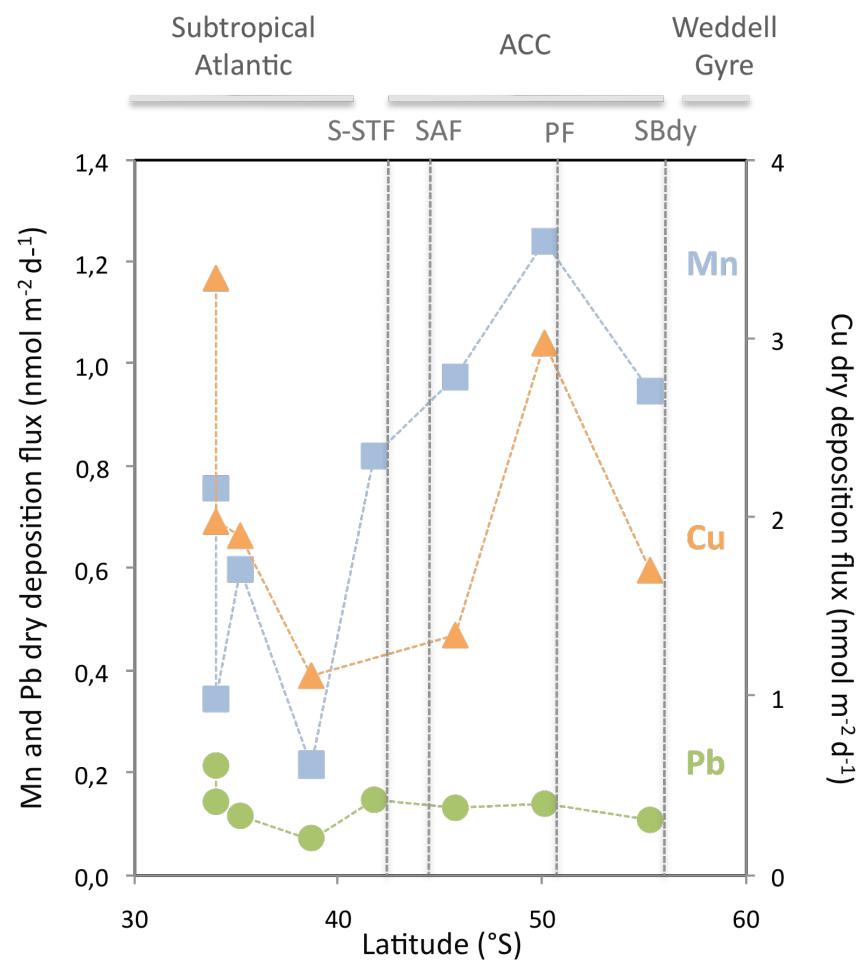


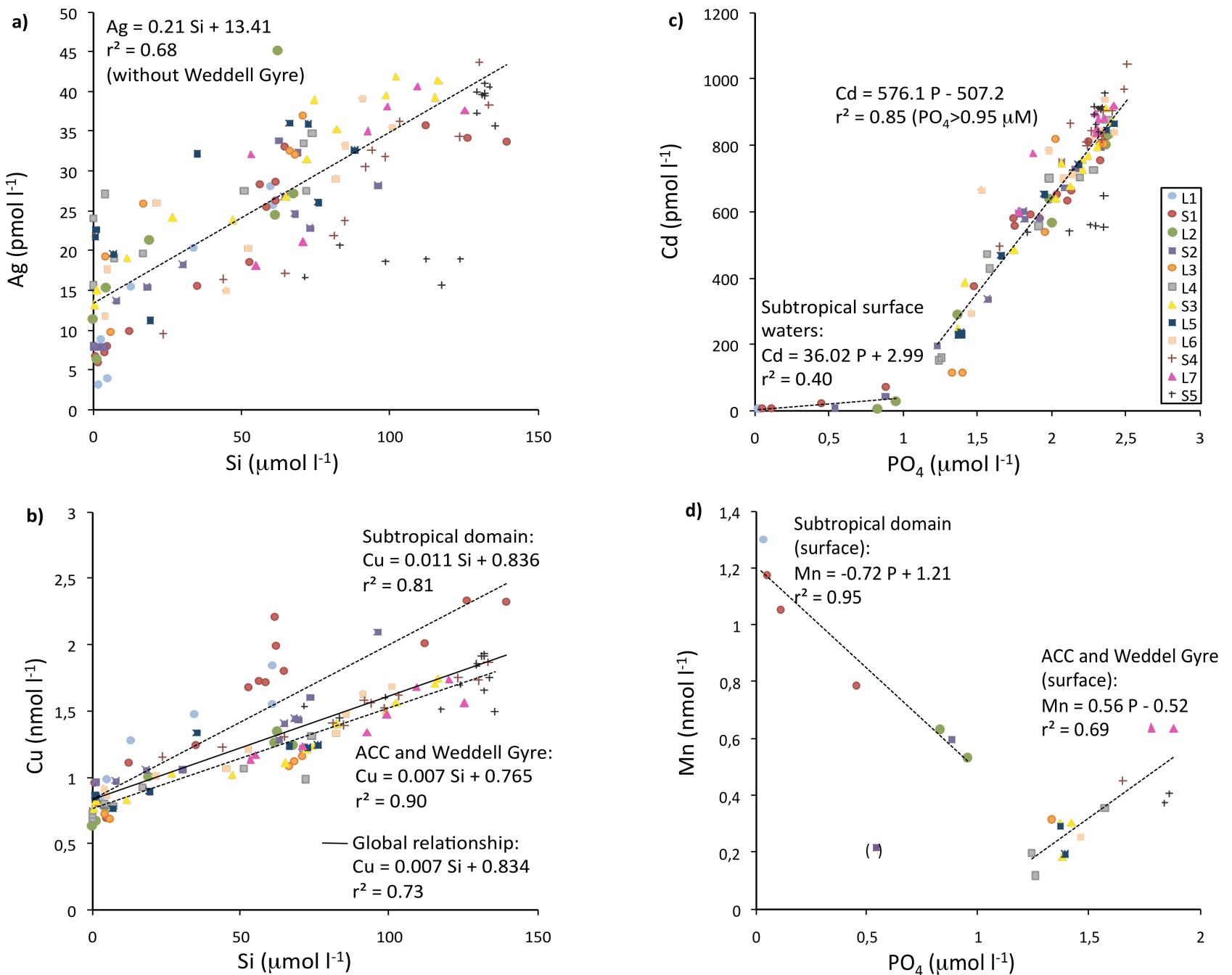


**Figure 5**



**Figure 6**



**Figure 7**

**Figure 8**

