

1 **Table 3.** Alkalinity and DIC measurements of deep-water samples collected at Station Papa in  
 2 1976 and between 2003 - 2010 and stored at IOS.

Depth	Station Papa (1976)		Station Papa (2003 - 2010)	
	<i>DIC</i> ( $\mu\text{mol kg}^{-1}$ )	<i>Alkalinity</i> ( $\mu\text{mol kg}^{-1}$ )	<i>DIC</i> ( $\mu\text{mol kg}^{-1}$ )	<i>Alkalinity</i> ( $\mu\text{mol kg}^{-1}$ )
1000 m	2385.01	2375.45	2379.66 $\pm$ 5.56 (n = 12)	2376.43 $\pm$ 7.78 (n = 12)
2000 m	2383.13 $\pm$ 2.43 (n = 2)	2405.40 $\pm$ 0.80 (n = 2)	2381.67 $\pm$ 2.87 (n = 13)	2417.03 $\pm$ 9.05 (n = 13)
3000 m	2360.10 $\pm$ 4.23 (n = 4)	2424.18 $\pm$ 5.84 (n = 4)	2356.01 $\pm$ 4.78 (n = 13)	2426.48 $\pm$ 6.00 (n = 13)

3