

Table 1. Site Information and Alkenone Index Values of the Southern Ocean Core Top Samples Retrieved via Multicoring

Site	Longitude	Latitude	WOA09	Annual	Mean	SST
(degreeC)	U37K	U37K'				
PS75/034-1	80.09 degreeW	54.37degreesS	6.71	0.213	0.256	
PS75/104-2	174.53 degreeE	44.77degreesS	11.74	0.371	0.411	
PS75/099-1	177.27 degreeE	48.26degreesS	9.24	0.294	0.294	
PS75/072-3	151.22 degreeW	57.56degreesS	1.89	0.007	0.086	
PS75/082-2	158.36 degreeW	59.04degreesS	1.52	-0.012	0.081	
PS75/098-6	179.01 degreeW	52.97degreesS	7.47	0.217	0.275	
PS75/105-1	174.62 degreeE	44.41degreesS	11.74	0.486	0.486	
PS75/095-6	174.43 degreeW	57.02degreesS	4.95	0.178	0.214	
PS75/101-2	175.88 degreeE	45.81degreesS	11.12	0.296	0.324	
PS75/080-2	157.64 degreeW	58.18degreesS	2.08	-0.021	0.084	
PS75/053-1	115.98 degreeW	60.77degreesS	3.01	0.016	0.085	
PS75/076-1	156.14 degreeW	55.53degreesS	4.68	0.089	0.219	
PS75/063-2	135.62 degreeW	58.90degreesS	2.18	-0.007	0.093	