

Ventilation age (yr)	Ventilation age (% $\Delta^{14}C$)	DIC ($\mu\text{mol/kg}$)	Potential Alkalinity ($\mu\text{mol/kg}$)	CO_3^{2-} ($\mu\text{mol/kg}$)	Max. O ₂ ($\mu\text{mol/kg}$)	PO_4 ($\mu\text{mol/kg}$)
Eastern Indian Ocean^(e)						
MODERN VALUES						
1950	-215	ave. DIC = 2291 $\Delta\text{DIC} = -1.27 \cdot \Delta^{14}C$	ave. POTALK = 2457 $\Delta\text{POTALK} = -1.18 \cdot \Delta^{14}C$	ave. $CO_3^{2-} = 84$ $\Delta\text{CO}_3 = \Delta\text{POTALK} - \Delta\text{DIC}$	ave. O ₂ = 174 $\Delta\text{O}_2 = 1.7 \cdot \Delta^{14}C$	ave. $PO_4 = 2.34$ $\Delta\text{PO}_4 = -0.0075 \cdot \Delta^{14}C$
PAST SHIFTS						
LGM:						
+50 - -500	-6 - +64	+8 - -81	+7 - -76	-1 - +5	164 - 283	+0.05 - -0.48
HS-1:						
-200 - -100	+25 - +13	-32 - -17	-30 - -15	+2	216 - 196	-0.18 - -0.10
B/A:						
-300 - -500	+37 - +64	-47 - -81	-44 - -76	+3 - +5	237 - 283	-0.28 - -0.48
South China Sea^(f)						
MODERN VALUES						
1900	-210	ave. DIC = 2328 $\Delta\text{DIC} = -1.44 \cdot \Delta^{14}C$	ave. POTALK = 2477 $\Delta\text{POTALK} = -0.96 \cdot \Delta^{14}C$	ave. $CO_3^{2-} = 73$ $\Delta\text{CO}_3 = \Delta\text{POTALK} - \Delta\text{DIC}$	ave. O ₂ = 141 $\Delta\text{O}_2 = 1.68 \cdot \Delta^{14}C$	ave. $PO_4 = 2.55$ $\Delta\text{PO}_4 = -0.009 \cdot \Delta^{14}C$
PAST SHIFTS						
at 1727 m water depth:						
LGM:						
+1100 - +2350	-130 - -254	+187 - +366	+125 - +244	-62 - -122	0	+1.17 - +2.29
HS-1:						
-550 - -1500	+71 - +205	-102 - -295	-68 - -197	+34 - +98	260 - 485	-0.64 - -1.85
B/A:						
-1100 - -400	+130 - +50	-187 - -72	-125 - -48	+62 - +24	360 - 225	-1.17 - -0.45
at 2700 m water depth:						
LGM:						
+1250 - +1700	-144 - -191	+207 - +275	+138 - +183	-69 - -92	0	+1.30 - +1.72
HS-1:						
+800 - +1450	-95 - -165	+137 - +238	+91 - +158	-46 - -80	0	+0.86 - +1.49
B/A:						
± 0	± 0	± 0	± 0	± 0	141	± 0
Northwest Pacific Ocean^(g)						
MODERN VALUES						
2100	-230	ave. DIC = 2328 $\Delta\text{DIC} = -1.44 \cdot \Delta^{14}C$	ave. POTALK = 2477 $\Delta\text{POTALK} = -0.96 \cdot \Delta^{14}C$	ave. $CO_3^{2-} = 73$ $\Delta\text{CO}_3 = \Delta\text{POTALK} - \Delta\text{DIC}$	ave. O ₂ = 141 $\Delta\text{O}_2 = 1.68 \cdot \Delta^{14}C$	ave. $PO_4 = 2.55$ $\Delta\text{PO}_4 = -0.009 \cdot \Delta^{14}C$
PAST SHIFTS						
LGM:						
+2740	-289	+416	+277	-139	0	+2.60
HS-1:						
+1900 - +900	-211 - -106	+304 - +153	+203 - +102	-101 - -51	0	+1.90 - +0.95
B/A:						
+500 - -500	-60 - +60	+86 - -86	+58 - -58	-28 - +28	40 - 242	+0.54 - -0.54
Northeast Pacific Ocean^(h)						
MODERN VALUES						
2200	-240	ave. DIC = 2328 $\Delta\text{DIC} = -1.44 \cdot \Delta^{14}C$	ave. POTALK = 2477 $\Delta\text{POTALK} = -0.96 \cdot \Delta^{14}C$	ave. $CO_3^{2-} = 73$ $\Delta\text{CO}_3 = \Delta\text{POTALK} - \Delta\text{DIC}$	ave. O ₂ = 141 $\Delta\text{O}_2 = 1.68 \cdot \Delta^{14}C$	ave. $PO_4 = 2.55$ $\Delta\text{PO}_4 = -0.009 \cdot \Delta^{14}C$
PAST SHIFTS						
LGM:						
+300	-37	+53	+36	-17	79	+0.33
HS-1:						
-1150 - +300	+154 - -37	-222 - +53	-148 - +36	+74 - -17	400 - 79	-1.39 - +0.33
B/A:						
+200 - -750	-25 - +98	+36 - -141	+24 - -94	-12 - +47	99 - 306	+0.23 - -0.88