Ventilation age (yr)	Ventilation age (‰$\Delta^{14}C$)	DIC (μmol/kg)	Potential Alkalinity (μmol/kg)	CO_3^{2-} (μmol/kg)	Max. O_2 (μmol/kg)	PO_4 (μmol/kg)
Icelandic Sea[a]						
MODERN VALUES						
550	-66	ave. DIC = 2204 ΔDIC = -1.49·$\Delta^{14}C$	ave. POTALK = 2368 ΔPOTALK = -1.15·$\Delta^{14}C$	ave. CO_3^{2-} = 100–105 ΔCO_3 = ΔPOTALK-ΔDIC	ave. O_2 = 241 ΔO_2 = 0.71·$\Delta^{14}C$	ave. PO_4 = 1.58 ΔPO_4 = -0.01·$\Delta^{14}C$
PAST SHIFTS						
LGM:*)						
+1450 – +2100	-165 – -230	+246 – +343	+190 – +264	-56 – -79	124 – 78	+1.65 – + 2.30
-180 – -110	+23 – +14	-34 – -21	-26 – -16	+8 – +5	257 – 251	-0.14 – -0.23
HS-1:*)						
+700 - +1400	-83 – -160	+123 – +238	+95 – +184	-28 – -54	182 – 127	+0.83 – +1.6
B/A:						
±0	±0	±0	±0	±0	241	±0
Northeastern North Atlantic[b]						
MODERN VALUES						
600	-72	ave. DIC = 2204 ΔDIC = -1.49·$\Delta^{14}C$	ave. POTALK = 2368 ΔPOTALK = -1.15·$\Delta^{14}C$	ave. CO_3^{2-} = 100–105 ΔCO_3 = ΔPOTALK-ΔDIC	ave. O_2 = 241 ΔO_2 = 0.71·$\Delta^{14}C$	ave. PO_4 = 1.58 ΔPO_4 = -0.01·$\Delta^{14}C$
PAST SHIFTS						
LGM:						
+1800 – +2000	-201 – -220	+300 – +317	+231 – +253	-69 – -64	98 – 85	+2.01 – +2.20
HS-1:*)						
+4000 – +4500	-392 – -429	+584 – +639	+451 – +493	-133 – -146	0	+3.92 – +4.29
B/A:						
0 – -1000	±0 – +117	±0– -174	±0 – -135	±0 – +39	241 – 158	±0– -1.17
Western North Atlantic[c]						
MODERN VALUES						
700	-83.5	ave. DIC = 2204 ΔDIC = -1.49·$\Delta^{14}C$	ave. POTALK = 2368 ΔPOTALK = -1.15·$\Delta^{14}C$	ave. CO_3^{2-} = 100–105 ΔCO_3 = ΔPOTALK-ΔDIC	ave. O_2 = 241 ΔO_2 = 0.71·$\Delta^{14}C$	ave. PO_4 = 1.58 ΔPO_4 = -0.01·$\Delta^{14}C$
PAST SHIFTS						
HS-1:						
+500 – +1700	-60 – -191	+89 – +285	+69 – +220	-20 – -65	198 – 105	+0.60 – +1.91
Southern Ocean (Atlantic sector)[d]						
MODERN VALUES						
1200	-140	ave. DIC = 2248 ΔDIC = -1.43·$\Delta^{14}C$	ave. POTALK = 2409 ΔPOTALK = -1.06·$\Delta^{14}C$	ave. CO_3^{2-} = 80 ΔCO_3 = ΔPOTALK-ΔDIC	ave. O_2 = 226 ΔO_2 = 1.26·$\Delta^{14}C$	ave. PO_4 = 2.14 ΔPO_4 = -0.02·$\Delta^{14}C$
PAST SHIFTS						
at 3700 m water depth:						
LGM:						
+1600 – +3100	-181 – -320	+259 – +458	+192 – +339	-67 – -119	0	+3.62 – +6.4
HS-1:						
+700 – +2400	-83 – -258	+119 – +369	+88 – +273	-31 – -96	121 – 0	+1.66 – +5.16
B/A:						
-300 – +1000	+37 – -117	-53 – +167	-39 – +124	+14 – -43	273 – 79	- 0.74 – +2.34
at 5000 m water depth:						
LGM:						
-800 – +300	+92 – -36	-132 – +51	-98 – +38	+34 – -13	341 – 181	-1.84 – +0.72
HS-1:						
+1050 – +600	-122 – -70	+174 – +100	+129 – +74	-45 – -26	72 – 138	+2.44 – +1.40
B/A:						
+1100 – -100	-130 – +12	+186 – -17	+138 – -13	-48 – +4	62 – 241	+2.60 – -0.24
Southern Ocean (Pacific sector)						
MODERN VALUES						
1400-1600	-160 – -181	ave. DIC = 2272 ΔDIC = -0.79·$\Delta^{14}C$	ave. POTALK = 2424 ΔPOTALK = -0.83·$\Delta^{14}C$	ave. CO_3^{2-} = 79 ΔCO_3 = ΔPOTALK-ΔDIC	ave. O_2 = 193 ΔO_2 = 1.13·$\Delta^{14}C$	ave. PO_4 = 2.28 ΔPO_4 = -0.0048·$\Delta^{14}C$

*)End members of oscillating deepwater regimes