Data from J. Priscu and C. Foreman, WAIS Divide core (WDC05Q, Stick D) - PARTICLES

Samples were decontaminated following (Christner et al., 2005 Icarus, 174: 572-584) and handled in a class 100 environmental chamber. Meltwater was pre-filtered (30 um) and gently sonicated prior to staining biotic particles with 5uM SYTO 60 (Invitrogen) for 5 min. Counts were obtained using a Microcyte flow cytometer.

Mdpt. Depth (m)	Biotic particles/mL	Std dev (biotic part/ml)	Abiotic particles/mL	Std dev (abiotic part/ml)	Total particles/mL	Std dev (total part/ml)
71.43	214	140	2529675	949766	2529889	949729
75.49	122	10	5545205	2797584	5545327	2797591
81.70	143	93	22540	12505	22683	12548
86.74	14440	8605	9256280	6511865	9270720	6516709
91.76	7830	2847	811104	273170	818934	275998
95.89	163221	24365	11147830	2211664	11311051	2204527
101.98	198	139	1755585	799190	1755783	799076
106.54	268	89	2762262	883294	2762530	883269
111.66	1281	808	1593280	1120924	1594561	1121428
120.01	782	402	94035	48848	94816	49188
124.09	948	1431	1936510	656303	1937457	657627
128.36	1428	1439	825016	235391	826444	236815

Data from J. Priscu and C. Foreman, WAIS Divide core (WDC05Q, Stick D) - DOC

DOC concentration obtained from a Shimadzu TOC 5000, see Christner et al., 2006 Limnology and Oceanography, 51(6): 2485-2501 for explanation of methods.

Mdpt depth (m)	DOC (uM)
71.61	146
75.67	295
81.88	24
86.91	178
91.99	246
96.06	64
101.93	132
106.72	220
111.83	59
120.18	222
124.26	201
128.55	217

Data from J. Priscu and C. Foreman, WAIS Divide core (WDC05Q, Stick D) - BACTERIAL PRODUCTION

Bacterial Productivity (B. Prod) determined via the incorporation of tritiated thymidine (TdR) into DNA at 6C following method of Fuhrman and Azam 1982 Marine Biology, 66: 109-120.

Carbon conversion factors of 2 x10^9 cell/nM TdR/d (Bell 1993 In Kemp et al Handbook of Methods in Aquatic Microbial Ecology, pp. 495-503.) and 11fg C/cell (Kepner et al., 1998 Limnology and Oceanography 43: 1754-1761) were used to obtain the nM C/d values.

Mdpt depth (m)	B. Prod. 6C (nM TdR/d)	B. Prod. (ng C/l/d)
71.70	2.51E-05	2.76E-01
75.89	6.20E-05	6.82E-01
81.97	7.66E-05	8.43E-01
87.00	1.49E-04	1.64E+00
92.10	7.70E-05	8.47E-01
96.30	1.33E-04	1.47E+00
102.18	1.19E-04	1.30E+00
106.83	1.46E-04	1.61E+00
111.92	1.33E-04	1.47E+00
120.28	1.14E-04	1.25E+00
124.36	8.27E-05	9.09E-01
128.64	9.93E-05	1.09E+00