

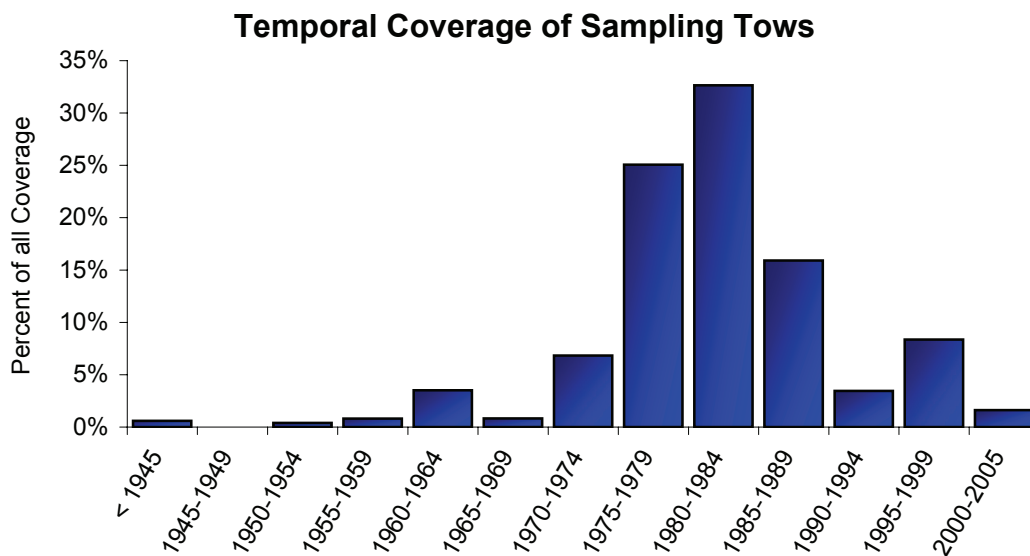
APPENDICES A - F

In each data distribution figure of Appendices A – F, a graphical dot indicates the presence of members of that plankton taxa or biomass group within the 1-degree latitude-longitude region underneath that graphical dot.

Table C0: Content characteristics of all Phytoplankton data

Number of Sampling Tows: 25,648

Number of Observations: 294,737



Top Twenty most frequent Observations

Rank	# of OBS	ITIS-TSN	DESCRIPTION
1	7,627	2758	<i>Chaetoceros</i> spp.
2	6,301	2402	<i>Skeletonema costatum</i>
3	5,956	3139	<i>Thalassionema nitzschioides</i>
4	5,938	2484	<i>Thalassiosira</i> spp.
5	4,576	5093	<i>Nitzschia seriata</i>
6	4,534	2546	<i>Coscinodiscus</i> spp.
7	4,253	10400	<i>Ceratium fusus</i>
8	4,108	2395	<i>Leptocylindrus danicus</i>
9	3,883	2881	<i>Rhizosolenia alata</i>
10	3,690	2903	<i>Rhizosolenia stolterfothii</i>
11	3,625	2904	<i>Rhizosolenia styliformis</i>
12	3,576	5080	<i>Nitzschia longissima</i>
13	3,560	5077	<i>Nitzschia delicatissima</i>
14	3,461	2791	<i>Chaetoceros decipiens</i>
15	3,456	2780	<i>Chaetoceros compressus</i>
16	3,332	5070	<i>Nitzschia</i> spp.
17	3,276	2811	<i>Chaetoceros lorenzianus</i>
18	3,272	2787	<i>Chaetoceros curvisetus</i>
19	3,212	2387	<i>Corethron criophilum</i>
20	3,117	2759	<i>Chaetoceros affinis</i>

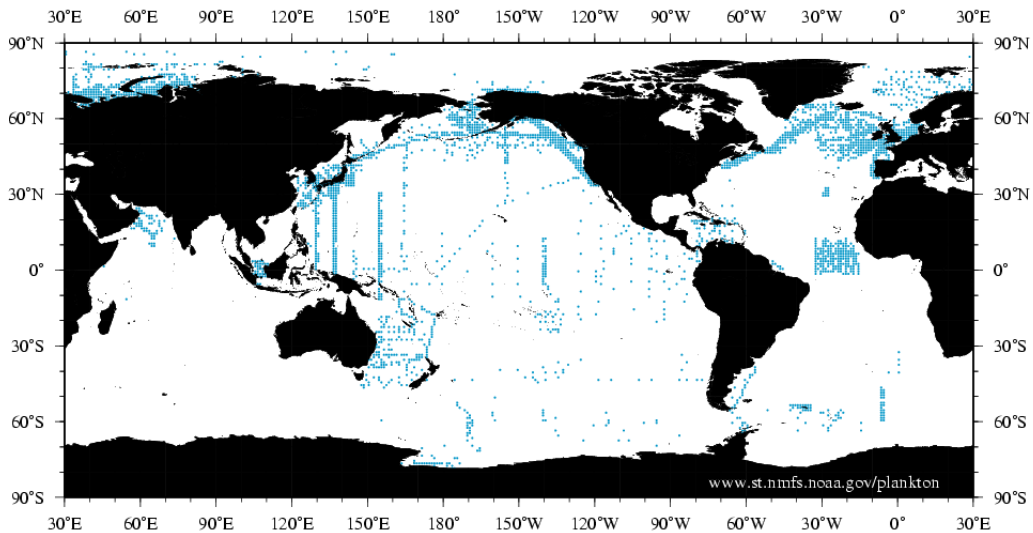


Figure C0: Distribution of all PHYTOPLANKTON observations.

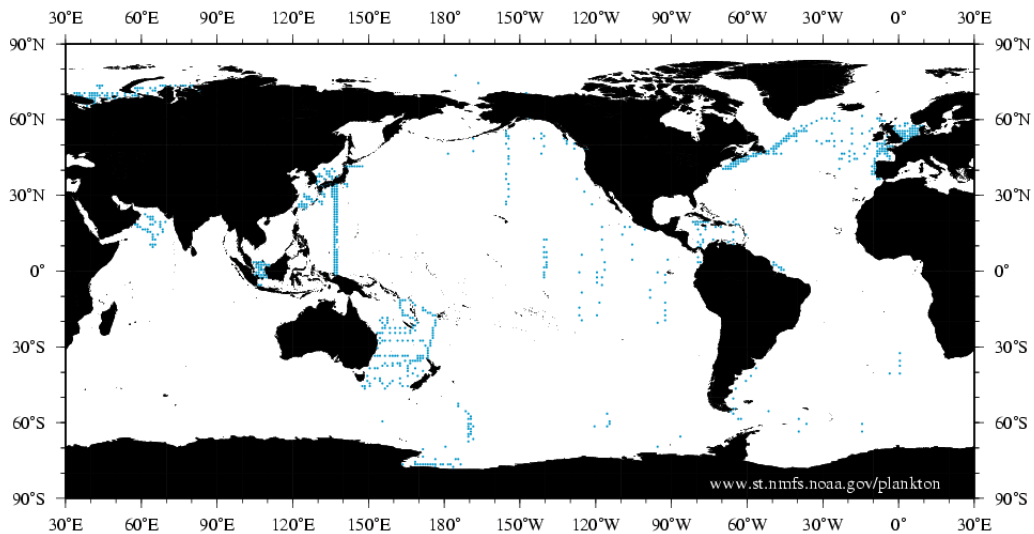


Figure C0.1: Distribution of winter (Dec.-Feb.) PHYTOPLANKTON observations.

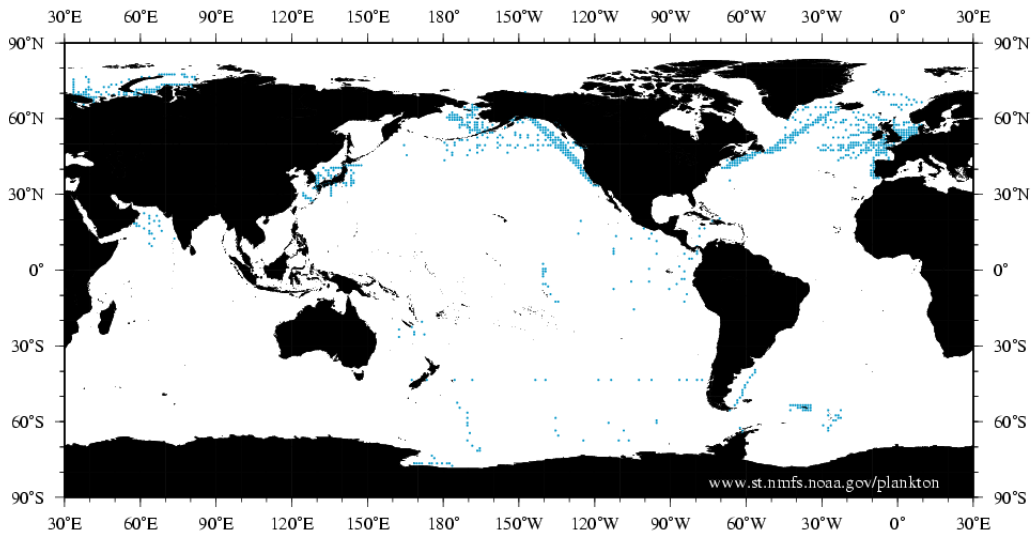


Figure C0.2: Distribution of spring (Mar.-May) PHYTOPLANKTON observations.

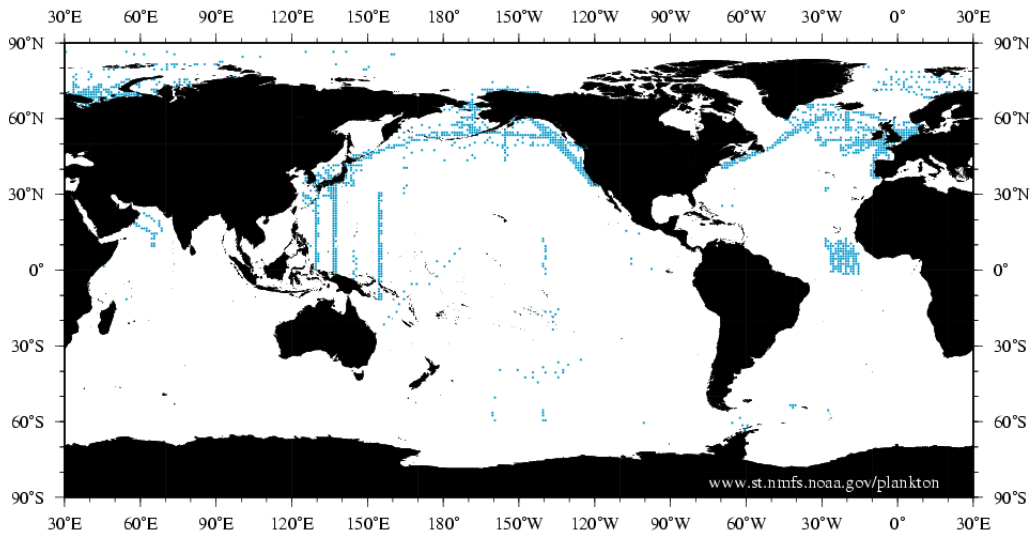


Figure C0.3: Distribution of summer (Jun.-Aug.) PHYTOPLANKTON observations.

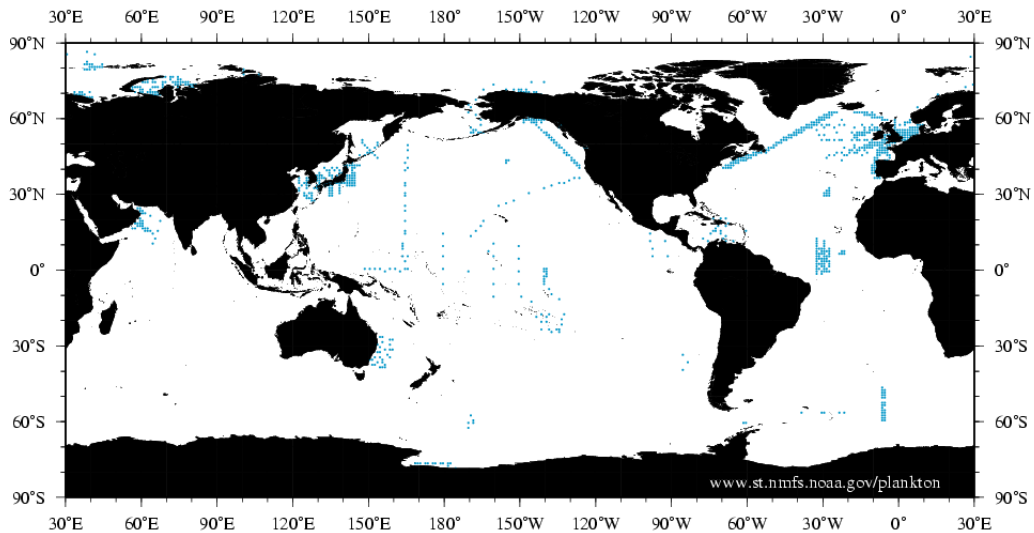
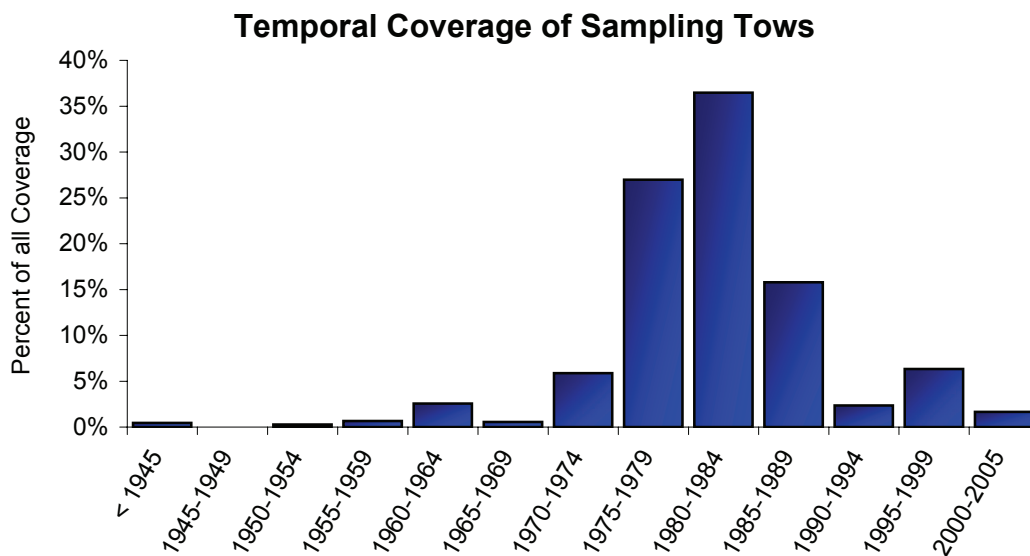


Figure C0.4: Distribution of fall (Sep.-Nov.) PHYTOPLANKTON observations.

Table C1: Content characteristics of all Diatom data

Number of Sampling Tows: 21,063

Number of Observations: 204,843



Top Twenty most frequent Observations

Rank	# of OBS	ITIS-TSN	DESCRIPTION
1	7,627	2758	<i>Chaetoceros</i> spp.
2	6,301	2402	<i>Skeletonema costatum</i>
3	5,956	3139	<i>Thalassionema nitzschioides</i>
4	5,938	2484	<i>Thalassiosira</i> spp.
5	4,576	5093	<i>Nitzschia seriata</i>
6	4,534	2546	<i>Coscinodiscus</i> spp.
7	4,108	2395	<i>Leptocylindrus danicus</i>
8	3,883	2881	<i>Rhizosolenia alata</i>
9	3,690	2903	<i>Rhizosolenia stolterfothii</i>
10	3,625	2904	<i>Rhizosolenia styliformis</i>
11	3,576	5080	<i>Nitzschia longissima</i>
12	3,560	5077	<i>Nitzschia delicatissima</i>
13	3,461	2791	<i>Chaetoceros decipiens</i>
14	3,456	2780	<i>Chaetoceros compressus</i>
15	3,332	5070	<i>Nitzschia</i> spp.
16	3,276	2811	<i>Chaetoceros lorenzianus</i>
17	3,272	2787	<i>Chaetoceros curvisetus</i>
18	3,212	2387	<i>Corethron criophilum</i>
19	3,117	2759	<i>Chaetoceros affinis</i>
20	3,085	5149	<i>Nitzschia closterium</i>

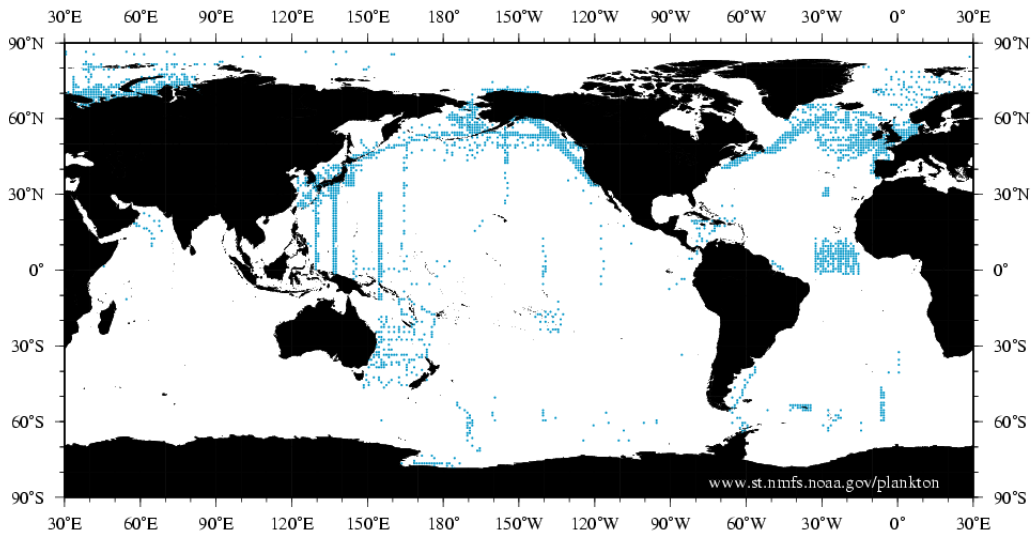
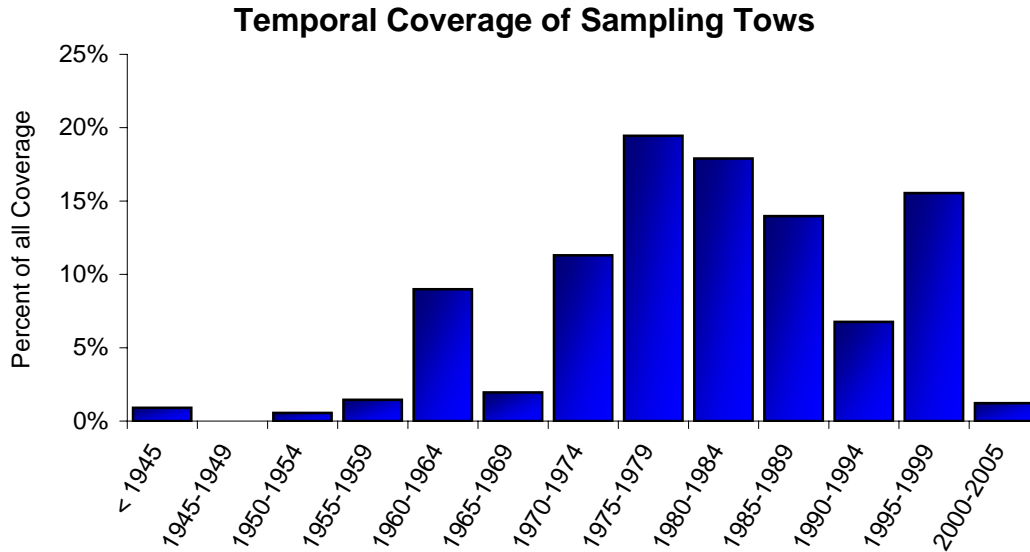


Figure C1: Distribution of Diatom observations.

Table C2: Content characteristics of all Dinoflagellate data

Number of Sampling Tows: 14,548
 Number of Observations: 71,994



Top Twenty most frequent Observations

Rank	# of OBS	ITIS-TSN	DESCRIPTION
1	4,253	10400	<i>Ceratium fusus</i>
2	2,780	10031	<i>Gymnodinium spp.</i>
3	2,714	10399	<i>Ceratium furca</i>
4	2,218	10212	<i>Peridinium spp.</i>
5	1,708	10149	<i>Noctiluca miliaris</i>
6	1,442	10408	<i>Ceratium tripos</i>
7	1,435	10148	<i>Noctiluca spp.</i>
8	1,373	10077	<i>Gyrodinium spp.</i>
9	1,237	9877	<i>Prorocentrum spp.</i>
10	1,117	9874	<i>Dinophyceae spp.</i>
11	857	10397	<i>Ceratium spp.</i>
12	740	10340	<i>Protoperidinium spp.</i>
13	701	9879	<i>Prorocentrum micans</i>
14	673	9928	<i>Dinophysis spp.</i>
15	665	10234	<i>Peridinium pellucidum</i>
16	641	10403	<i>Ceratium macroceros</i>
17	580	10223	<i>Peridinium depressum</i>
18	561	10401	<i>Ceratium lineatum</i>
19	557	10465	<i>Oxytoxum variabile</i>
20	535	10174	<i>Glenodinium spp.</i>

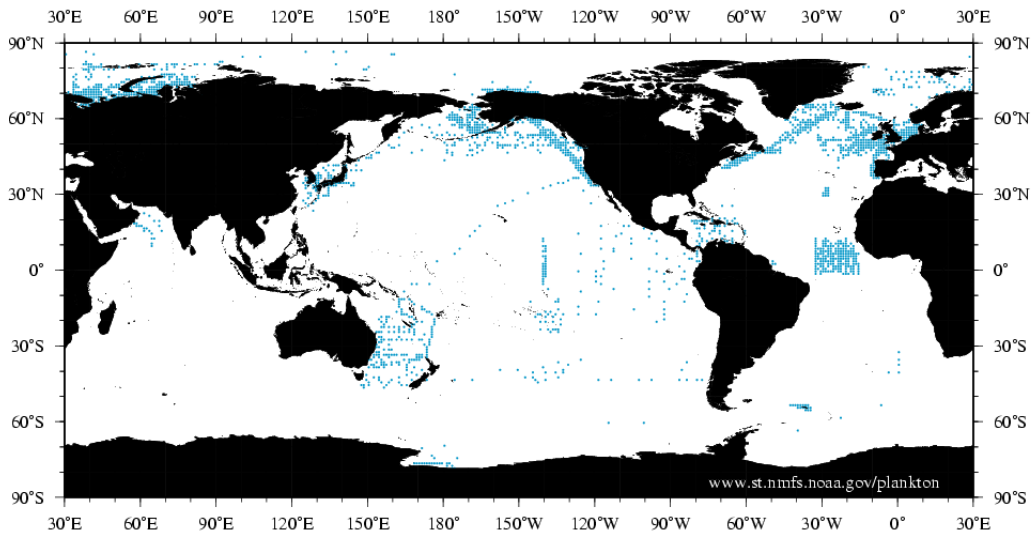
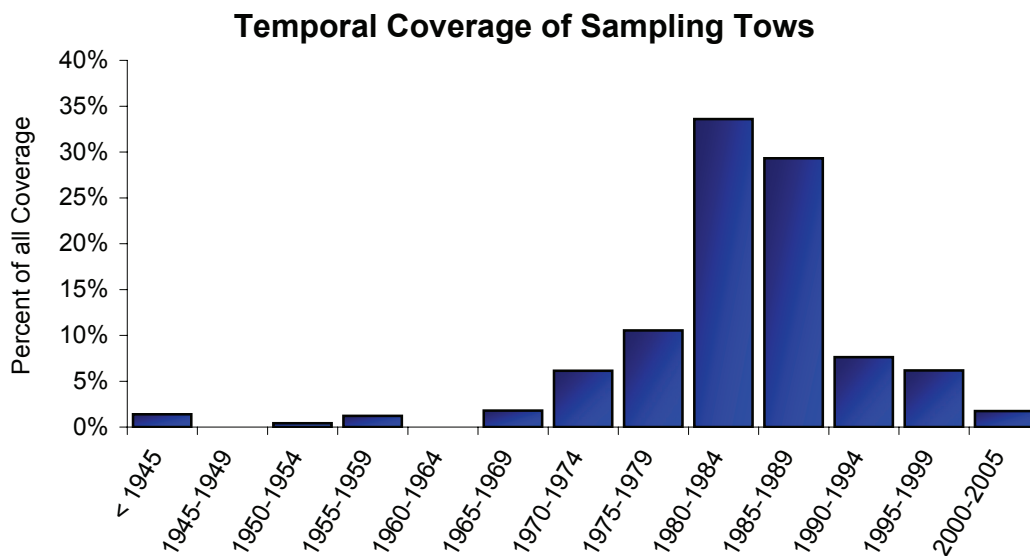


Figure C2: Distribution of Dinoflagellate observations.

Table C3: Content characteristics of all Coccolithophore data

Number of Sampling Tows: 3,357
 Number of Observations: 9,461



Top Twenty most frequent Observations

Rank	# of OBS	ITIS-TSN	DESCRIPTION
1	1,719	2271	<i>Umbilicosphaera</i> spp.
2	1,082	2250	<i>Coccolithus huxleyi</i>
3	703	2248	<i>Coccolithus</i> spp.
4	546	2272	<i>Umbilicosphaera mirabilis</i>
5	531	2247	<i>Coccolithaceae</i> spp.
6	410	43790	<i>Coccolithophorida</i> spp.
7	322	2234	<i>Syracosphaera</i> spp.
8	230	2256	<i>Discosphaera tubifer</i>
9	210	2249	<i>Coccolithus pelagicus</i>
10	192	2173	<i>Phaeocystis pouchetii</i>
11	180	2269	<i>Umbellosphaera irregularis</i>
12	166	2227	<i>Pontosphaera huxleyi</i>
13	163	2235	<i>Syracosphaera pulchra</i>
14	134	2187	<i>Acanthoica</i> spp.
15	131	-8717	<i>Coccolithus metiori</i>
16	130	2262	<i>Rhabdosphaera</i> spp.
17	89	-6007	<i>Chrysochromulina</i> + <i>imantonia</i>
18	87	-8710	<i>Calyptosphaera sphaeroidea</i>
19	82	2199	<i>Calyptosphaera</i> spp.
20	78	-8718	<i>Coccolithus sibogae</i>

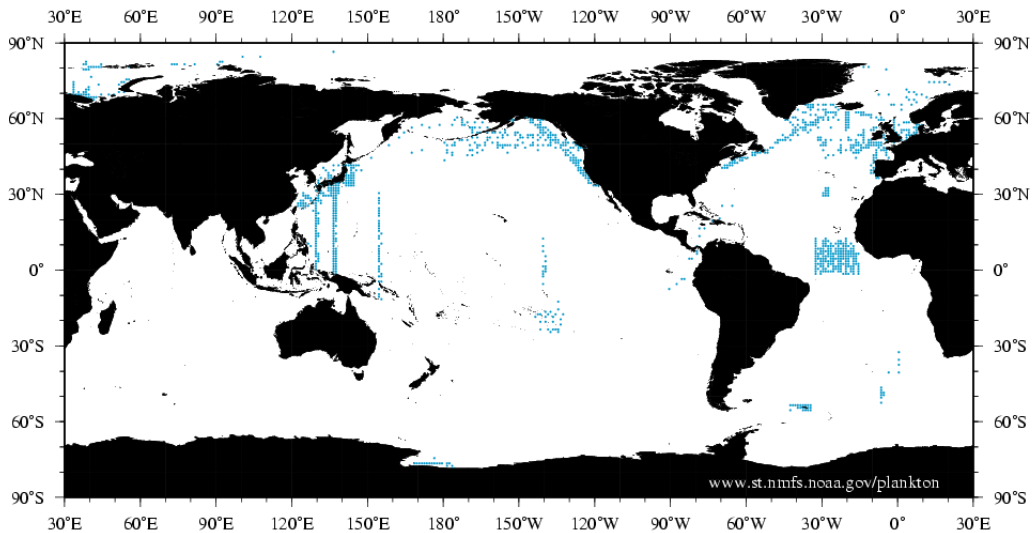


Figure C3: Distribution of Coccolithophore observations.