



Table T16. Radiolarian range chart, Holes U1344A, U1344B, U1344C, U1344D, and U1344E. (See table notes.) (Continued on next three pages.)

Core, section	Depth (mbsf)		Abundance	Preservation	<i>Actinomma boreale</i>	<i>Actinomma medianum</i>	<i>Amphimelissa setosa</i>	<i>Axonunum acquilionum</i>	<i>Botryostrobus aquilonaris</i>	<i>Ceratospyrus borealis</i>	<i>Collosphaera pyloma</i>	<i>Cycladophora cornutoides</i>	<i>Cycladophora cosma</i>	<i>Cycladophora davisiana</i>	<i>Cycladophora sakaii</i>	<i>Cyrtocapsella japonica</i>	<i>Dendrospyrus sakaii</i>	<i>Dictyophimus bullatus</i>	<i>Dictyophimus hirundo</i>	<i>Eucyrtidium asanoi</i>	<i>Eucyrtidium inflatum</i>	<i>Eucyrtidium matuyamai</i>	<i>Lamprocyrtis heteroporos</i>	<i>Larcopyle butschlii</i>	<i>Lipmanella redondoensis</i>	<i>Lithellus barbatus</i>	<i>Lychnocanoma magnacornuta</i>	<i>Lychnocanoma nipponica sakaii</i>	<i>Lychnocanoma parallelipes</i>	<i>Phormostichoartus fistula</i>	<i>Parodiscus circularis</i>	<i>Sphaeropyle langii-robusta</i> group	<i>Spongodiscus</i> sp.	<i>Spongopyle osculosa</i>	<i>Spongotrochus glacialis</i>	<i>Spongurus pylomaticus</i>	<i>Stichocorys delmontensis</i>	<i>Stichocorys peregrina</i>	<i>Stylatractus universus</i>	<i>Stylochlamydidium venustum</i>	<i>Stylodictya validispina</i>	<i>Thecosphaera akitaensis</i>								
	Top	Bottom																																																
323-U1344A-																																																		
1H-CC	9.00	9.14	F	G	F	F				F				C					F																										F	F				
2H-CC	18.55	18.75	C	G	F	F				F				A					F																										F	F				
3H-CC	28.49	28.72	F	M	F					F				F																																F	F			
4H-CC	37.84	38.22	F	M	F					F				F																																F	F			
5H-CC	47.07	47.61	C	G	F					F		F	A						F																											F	F			
6H-CC	56.91	57.29	C	M	F					F		F	C						F																											F	F			
7H-CC	66.02	66.68	C	M	F					C		F	C						F																											F	F			
8H-CC	74.72	75.32	C	G	F					C		F	C						F																											F	F			
9H-CC	84.52	85.21	C	M	F					F		F	A						F																											F	F			
10H-CC	94.68	95.19	F	M	F					F		F	C						F																												F	F		
11H-CC	103.98	104.46	C	M	F					C		F	A						C																												C	F		
12H-CC	113.63	113.96	A	M	F				F	C		F	A						F																											F	F			
13H-CC	123.02	123.49	C	M	F		F			F		F	F						F																											F	F			
14H-CC	132.47	132.89	C	M	F		F			F		F	C						F																											F	F			
15H-CC	142.25	142.45	F	M	F		F			F		F	F						F																											F	F			
16H-CC	151.86	152.23	C	M	C					F		F	C						F																											F	F			
17H-CC	161.01	161.27	F	M	F					F		F	C						F																												F	F		
18H-CC	170.98	171.34	F	M	F		F			F		F	C						F																												F	F		
19H-CC	179.65	180.17	F	M						F		F	F						F																													F	F	
20H-CC	190.09	190.40	C	M	F					F		F	F						F																													F	F	
21H-CC	198.97	199.28	F	M	F					F		F	F						F																													F	F	
22H-CC	208.45	208.83	C	G	F		F	F		C		F	F						F																													F	F	
23H-CC	217.66	218.11	C	G	F		F			F		F	C						F																													F	F	
24H-CC	226.24	226.67	F	M	F		F			F		F	F						F																													F	F	
25H-CC	235.61	236.10	C	M	F					F		F	C						F																													F	F	
26H-CC	245.00	245.49	F	M	F					F		F	C						F																													F	F	
27H-CC	255.21	255.83	F	M	F					F		F	C						F																													F	F	
28X-CC	263.51	263.83	F	M	F		F			F		F	F						F																													F	F	
29X-CC	270.03	270.35	F	M	F					F		F	F						F																													F	F	
30X-CC	280.01	280.31	F	M	F		F			F		F	F						F																													F	F	
31X-CC	288.24	288.58	C	G	F		F			C		F	A						F																													F	F	
32X-CC	298.35	299.17	C	M	F					F		F	A						F																													F	F	
33X-CC	308.86	309.23	F	M			F			F		F	C						F																														F	F
34X-CC	318.09	318.41	C	M	F					F		F	A						F																													F	F	
35X-CC	323.30	323.57	F	M						F		F	F						F																													F	F	
36X-CC	338.59	338.89	C	M	F					F		F	C						F																													F	F	
37X-CC	346.03	346.38	F	M						F		F	C						F																													F	F	
38X-CC	356.47	357.08	F	M						F		F	F						F																													F	F	
39X-CC	363.89	364.23	F	M						F		F	C						F																													F	F	
40X-CC	372.96	373.19	F	M						F		F	C						F																													F	F	



Table T16 (continued). (Continued on next page.)

Core, section	Depth (mbsf)		Abundance	Preservation	<i>Actinomma boreale</i>	<i>Actinomma medianum</i>	<i>Amphimelissa setosa</i>	<i>Axoprimum acquilonium</i>	<i>Botryostrobus aquilonaris</i>	<i>Ceratospiris borealis</i>	<i>Colosphaera pyloma</i>	<i>Cycladophora comutoides</i>	<i>Cycladophora cosma</i>	<i>Cycladophora davisiana</i>	<i>Cycladophora sakaii</i>	<i>Cyrtocapsella japonica</i>	<i>Dendrospiris sakaii</i>	<i>Dictyophimus bullatus</i>	<i>Dictyophimus hirundo</i>	<i>Eucyrtidium asanoi</i>	<i>Eucyrtidium inflatum</i>	<i>Eucyrtidium matuyamai</i>	<i>Lamprocyrtis heteroporus</i>	<i>Larcopele butschlii</i>	<i>Lipmanella redondoensis</i>	<i>Lithelius barbatus</i>	<i>Lychnocanoma magnacornuta</i>	<i>Lychnocanoma nipponica sakaii</i>	<i>Lychnocanoma paralleipes</i>	<i>Phormostichoartus fistula</i>	<i>Parodiscus circularis</i>	<i>Sphaeropyle langii-robusta</i> group	<i>Spongodiscus</i> sp.	<i>Spongopyle osculosa</i>	<i>Spongotrochus glacialis</i>	<i>Spongurus pylomatus</i>	<i>Stichoconys delmontensis</i>	<i>Stichoconys peregrina</i>	<i>Stylatractus univervus</i>	<i>Stylochlamydidium venustum</i>	<i>Stylocitya validispina</i>	<i>Thecosphaera akitensis</i>									
	Top	Bottom																																																	
41X-CC	387.50	387.97	F	M																																															
42X-CC	397.19	397.51	F	M			F			F																																									
43X-CC	403.20	403.56	F	P																																															
44X-CC	414.48	414.98	F	M				F		F		F									F		F																												
45X-CC	425.33	425.93	F	M								F																																							
46X-CC	433.40	434.10	F	M											F																																				
47X-CC	442.66	443.02	F	M				F		F		F																																							
48X-CC	451.59	451.69	F	P						F		F																																							
49X-CC	461.10	461.85	F	M				F		F		F															F																								
50X-CC	473.28	473.49	F	M																		F																													
51X-CC	482.25	482.67	F	M				F		F		F																																							
52X-CC	492.72	493.20	F	P						F		F																																							
53X-CC	501.70	502.13	F	P						F		F																																							
54X-CC	511.57	511.96	F	M				F		F		F																																							
55X-CC	521.34	521.80	F	P																																															
56X-CC	529.96	530.31	F	P																																															
57X-CC	539.93	540.28	F	M						F															F																										
58X-CC	549.10	549.57	F	M				F																																											
59X-CC	558.38	558.79	F	P				F																																											
60X-CC	567.17	567.42	F	P																																															
61X-CC	578.61	578.90	F	M																																															
62X-CC	587.21	587.61	F	M				F		F		F																																							
63X-CC	595.93	596.29	F	M				F		F																																									
64X-CC	607.34	607.73	F	P																																															
65X-CC	617.66	618.08	F	P				F																																											
68X-CC	645.53	646.00	F	M																																															
69X-CC	646.90	647.34	F	M				F																																											
70X-CC	666.07	666.45	F	M						F																																									
71X-CC	674.81	675.18	F	P																																															
72X-CC	683.22	683.55	F	P																																															
73X-CC	694.15	694.70	F	P																																															
74X-CC	703.36	703.69	F	M																																															
75X-CC	712.93	713.35	F	P																																															
76X-CC	722.78	723.11	F	P																																															
77X-CC	732.67	733.13	F	M																																															
78X-CC	739.55	739.75	F	P																																															
79X-CC	746.28	746.59	F	P																																															
323-U1344B-1H-CC	4.44	4.80	C	G	F			F	F																																										
323-U1344C-1H-CC	6.87	7.12	C	G	F				F																																										



Table T16 (continued). (Continued on next page.)

Core, section	Depth (mbsf)		Abundance	Preservation	Actinomma boreale	Actinomma medianum	Amphimelissa setosa	Axoprimum acquilonium	Botryostrobus aquilonaris	Ceratospiris borealis	Collosphaera pyloma	Cycladophora comutoides	Cycladophora cosma	Cycladophora davisiana	Cycladophora sakaii	Cyrtopapsella japonica	Dendrospiris sakaii	Dictyophimus bullatus	Dictyophimus hirundo	Eucyrtidium asanoi	Eucyrtidium inflatum	Eucyrtidium matuyamai	Lamprocyrtis heteroparus	Larcopele butschlii	Lipmanella redondoensis	Lithelius barbatus	Lychnocanoma magnacornuta	Lychnocanoma nipponica sakaii	Lychnocanoma parallipes	Phormostichoartus fistula	Porodiscus circularis	Sphaeropyle langii-robusta group	Spongodiscus sp.	Spongopyle osculosa	Spongotrochus glacialis	Spongurus pylomaticus	Stichocorys delmontensis	Stichocorys peregrina	Stylatractus univertus	Stylochlamydidium venustum	Stylocitya validispina	Thecosphaera akitensis					
	Top	Bottom																																													
2H-CC	14.06	14.24	C	G	F						C	F	A						C					F						F		F							F	F							
3H-CC	26.25	26.40	A	M	F						C		A						F					F						F		F								F	F						
4H-CC	35.10	35.55	A	G	F						C	F	A						F					C			C			F		F								C	C						
323-U1344D-																																															
1H-CC	2.63	2.73	F	G				F		F		F		F										F						F		F									C						
2H-CC	12.08	12.25	C	G	F					F		F		A					C					F						F		F									F	F					
3H-CC	21.45	21.62	C	G						F		C		C					F					F						F		F			C	F					C	C					
4H-CC	31.40	31.67	C	M	F						C	F	A						F					F			C			F		F									F	C					
5H-CC	38.05	38.31	F	M										C												F				F		F										F	F				
6H-CC	49.79	50.21	A	M				C			C	F	A											F			F			F		F										F	F				
7H-CC	59.38	59.76	C	M							F		C											F			A			F		F										F	F				
8H-CC	66.14	66.51	C	M							F		A											C			F			F		F										F	F				
9H-CC	77.69	78.37	F	M							F		C														F			F		F										F	C				
10H-CC	88.00	88.54	F	M							F		F														F			F		F										F	F				
11H-CC	97.47	97.86	F	P							F		F																	F		F										F	F				
12H-CC	107.01	107.37	C	M							F		A											F			F			C	A	F		F	F							C	C				
13H-CC	116.05	116.70	C	G							C	F	C												F				F		C	C	F		F	F						A	F				
14H-CC	125.95	126.38	C	M							F		F																	F		F												C			
15H-CC	134.63	135.77	F	G							F		F																	F		F															
16H-CC	145.20	145.40	C	M							F		F														F			C		F											F				
17H-CC	154.67	155.12	C	M							F		C																	C	A	F		F													
18H-CC	163.98	164.39	C	G	F						C	F	A														F			F		F												F			
19H-CC	173.98	174.41	F	G			F				F		C											F						F		F												F			
20H-CC	182.60	183.08	F	G			F				F		F																	F		F															
21H-CC	192.60	192.93	C	M							C	F	C																	F		C		F													
22H-CC	201.68	201.89	C	M							C		C																		C		F														
23H-CC	210.95	211.24	F	M			F						F																		C	F															
24H-CC	221.05	221.15	C	M	F		F				C		C																	C	A		F														
25H-CC	224.05	224.51	F	M			F				F		F																	F		F															
26H-CC	233.56	234.09	F	M			F	F			F		F																	F		F															
27H-CC	240.40	240.72	A	G	F						C	F	A																	C	A		F														
28H-CC	247.74	248.38	F	M							F		F																	C	F	F		F										F			
29H-CC	257.92	258.41	C	M			F				F		A																	C	F		F											F			
30H-CC	266.96	267.40	F	M				F			F		F																	F		F													F		
31H-CC	277.69	277.96	F	M																										F		F														F	
32H-CC	286.10	286.27	C	M							F																				F		F													F	
323-U1344E-																																															
1H-CC	5.08	5.34	F	G							F				F																F														F	F	
2H-CC	14.81	15.02	C	G							F		A																	C															F	F	
3H-CC	24.61	24.85	C	G							C		A																		F														F	C	
4H-CC	34.38	34.68	C	G							F		A																		F															C	C



Table T16 (continued).

Core, section	Depth (mbsf)		Abundance	Preservation	<i>Actinomma boreale</i>	<i>Actinomma medianum</i>	<i>Amphimelissa setosa</i>	<i>Axoprunum acquilonium</i>	<i>Botryostrobus aquilonaris</i>	<i>Ceratospiris borealis</i>	<i>Colosphaera pyloma</i>	<i>Cycladophora cornutoides</i>	<i>Cycladophora cosma</i>	<i>Cycladophora davisiana</i>	<i>Cycladophora sakaii</i>	<i>Cyrtocapsella japonica</i>	<i>Dendrospiris sakaii</i>	<i>Dictyophimus bullatus</i>	<i>Dictyophimus hirundo</i>	<i>Eucyrtidium asanoi</i>	<i>Eucyrtidium inflatum</i>	<i>Eucyrtidium matuyamai</i>	<i>Lamprocyrtis heteroporus</i>	<i>Larcopele butschlii</i>	<i>Lipmanella redondoensis</i>	<i>Lithelus barbatus</i>	<i>Lychinocanoma magnacornuta</i>	<i>Lychinocanoma nipponica sakaii</i>	<i>Lychinocanoma parallelipes</i>	<i>Phormostichoartus fistula</i>	<i>Parodiscus circularis</i>	<i>Sphaeropyle langii-robusta</i> group	<i>Spongodiscus</i> sp.	<i>Spongopyle osculosa</i>	<i>Spongotrochus glacialis</i>	<i>Spongurus pylomatus</i>	<i>Stichoconys delmontensis</i>	<i>Stichoconys peregrina</i>	<i>Stylatractus univertus</i>	<i>Stylochlamydidium venustum</i>	<i>Stylocitya validispina</i>	<i>Thecosphaera akitensis</i>				
	Top	Bottom																																												
5H-CC	43.43	43.82	F	G					F	F				C														F														F	F			
6H-CC	52.98	53.38	F	G						C				F				F					F								F				F							F	F			
7H-CC	61.65	62.10	F	M	F									F									F							F													F	F		
8H-CC	71.71	72.05	F	G						F	F	F		C									F							F													F	F		
9H-CC	80.97	81.37	F	G						F	F	F		C									F							F													F	F		
10H-CC	90.36	90.85	C	G						F	F	F		A									F							F							F						F	F		
12H-CC	102.61	103.05	F	M						F	F			F									F							F													F	F		
13H-CC	112.55	112.90	F	M						F	F			F									F							F													F	F		
14H-CC	122.12	122.46	C	M	F			F		F	F	F		C									F							F	F	F											F	F		
15H-CC	126.80	127.10	F	M				F		F	F	F		C									F							F	F	F											F	F		
16H-CC	136.15	136.51	C	M	F			F	F	C	F	F		C									F						F	F	C												F	F		
17H-CC	144.75	145.03	F	M	F			F		F	F	F		C									F						F	F	C												F	F		
18H-CC	155.04	155.49	C	M						F	F	F		C									F							F	F	F											F	F		
19H-CC	165.04	165.44	F	M						F	F	F		C									F							F	F	F												F	F	
20H-CC	173.85	174.28	F	M						F	F	F		F									F							F	F	F												F	F	
21H-CC	182.30	182.62	C	M						F	F	F		C									F							F	F	F												F	F	
22H-CC	193.59	193.85	C	M						C	C	C		C									F							F	F	F												F	F	
23H-CC	202.41	202.79	C	M						C	C	C		C									F							F	F	F													F	F

Notes: Abundance: A = abundant, C = common, F = few. Preservation: G = good, M = moderate, P = poor.