

Ms 199SR-216, Table T1. Late middle Eocene–early Oligocene radiolarian events, Holes 1218A, 1219A, and 1220A.

		Event	Hole 1218A			Hole 1219A			Hole 1220A			Depth (mbsf)	Radiolarian zone
			Core, section, interval (cm)	Depth (mbsf)	Presentation	Core, section, interval (cm)	Depth (mbsf)	Presentation	Core, section, interval (cm)	Depth (mbsf)	Presentation		
			199-1218A-			199-1219A-			199-1220A-				
1	Bm	<i>Didymocyrtis prismatica</i>							6H-5, 125–127 to 6H-6, 25–27	54.75–55.25	G	30.6–30.8	
2	Tm	<i>Dendrospyris</i> sp. A							6H-6, 125–127 to 6H-7, 20–22	56.25–56.70	M	31.0–31.1	
3	Tm	<i>Rhopalastrum</i> (?) sp. C							7H-3, 25–27 to 7H-3, 77–79	60.25–60.77	G	31.7–31.9	
4	Tm	<i>Lophocyrtis oberhaensliae</i>	22X-3, 30–32 to 22X-3, 75–77	197.10–197.70	P	15H-5, 130–134 to 15H-6, 30–34	136.80–137.30	M	7H-3, 125–127 to 7H-4, 26–28	61.25–61.76	G	31.9–32.1	
5	Bm	<i>Dorcadospyris spinosa</i>	22X-2, 75–77 to 22X-2, 120–122	199.20–199.65	P	15H-5, 30–34 to 15H-5, 80–84	135.80–136.30	M	7H-4, 77–79 to 7H-4, 125–127	62.27–62.75	M	32.0–32.2	
6	Tm	<i>Eucyrtidium</i> sp. F	22X-4, 30–32 to 22X-4, 75–77	198.15–198.60	P	15H-6, 30–34 to 15H-6, 80–84	137.30–137.80	P	7H-4, 77–79 to 7H-4, 125–127	62.27–62.75	G	32.0–32.2	
7	Tm	<i>Centrobotrys gravida</i>	22X-4, 30–32 to 22X-4, 75–77	200.70–201.15	M	15H-7, 30–34 to 16H-1, 30–32	138.80–139.30	G	7H-4, 77–79 to 7H-4, 125–127	62.27–62.75	G	32.0–32.2	
8	e	<i>Centrobotrys gravida</i> → <i>C. petrushevskayae</i>	22X-4, 30–32 to 22X-4, 75–77	200.70–201.15	M	15H-7, 30–34 to 16H-1, 30–32	138.80–139.30	G	7H-4, 125–127 to 7H-5, 25–27	62.75–63.25	G	32.1–32.3	
9	Tm	<i>Dorcadospyris pseudopapilio</i>	22X-4, 30–32 to 22X-4, 75–77	200.70–201.15	M	15H-6, 30–34 to 15H-6, 80–84	137.30–137.80	M	7H-5, 25–27 to 7H-5, 77–79	63.25–63.77	G	32.2–32.4	
10	Tm	<i>Nephrospyris</i> sp. A	22X-5, 30–32 to 22X-5, 75–77	200.70–201.15	G	16H-1, 30–32 to 16H-1, 78–80	139.30–139.78	G	7H-5, 25–27 to 7H-5, 77–79	63.25–63.77	G	32.2–32.4	
11	Bm	<i>Dorcadospyris quadripes</i>	23X-1, 131–133 to 23X-2, 15–17	202.20–202.65	G	16H-3, 30–32 to 16H-3, 78–80	142.30–142.78	G	7H-5, 77–79 to 7H-5, 129–131	63.77–64.29	G	32.3–32.5	
12	Bm	<i>Theocorys spongoconus</i>	23X-3, 107–109 to 23X-4, 28–30	206.81–207.15	M	16H-5, 27–29 to 16H-5, 78–80	145.27–145.78	G	7H-6, 25–27 to 7H-6, 77–79	64.75–65.27	M	32.4–32.6	
13	Bm	<i>Centrobotrys gravida</i>	23X-4, 78–80 to 23X-4, 118–120	209.57–210.28	G	16H-5, 78–80 to 16H-5, 130–132	145.78–146.30	M	7H-7, 35–37 to 8H-1, 25–27	66.35–66.75	G	32.7–33.0	
14	Bm	<i>Lithocyelia crux</i>	23X-4, 118–120 to 23X-5, 12–14	210.78–211.18	M	16H-6, 30–32 to 16H-6, 78–80	146.80–147.28	G	7H-7, 35–37 to 8H-1, 25–27	66.35–66.75	M	32.7–33.0	RP20
15	Tm	<i>Dictyoprora amphora</i> group	23X-5, 118–120 to 23X-6, 19–21	211.18–211.62	P	17H-1, 30–32 to 17H-1, 80–82	148.80–149.30	M					
16	Tm	<i>Cryptocarpium ornatum</i>	23X-3, 107–109 to 23X-4, 28–30	212.68–213.19	P	17H-1, 80–82 to 17H-1, 130–132	149.30–149.80	P	7H-7, 35–37 to 8H-1, 25–27	66.35–66.75	P	32.7–33.0	
17	Bm	<i>Dorcadospyris pseudopapilio</i>	23X-4, 118–120 to 23X-5, 12–14	209.57–210.28	G	16H-6, 130–132 to 16H-7, 30–32	147.80–148.30	G	8H-1, 25–27 to 8H-1, 77–79	66.75–67.27	G	32.9–33.1	
18	Bm	<i>Lamrocyclas rhinoceros</i>	23X-5, 77–79 to 23X-5, 118–120	211.18–211.62	M	16H-6, 78–80 to 16H-6, 130–132	147.28–147.80	G	8H-1, 25–27 to 8H-1, 77–79	66.75–67.27	M	32.9–33.1	
19	Bm	<i>Nephrospyris</i> sp. A	23X-5, 12–14 to 23X-5, 77–79	212.27–212.68	G	16H-7, 30–32 to 17H-1, 30–32	148.30–148.80	G	8H-1, 77–79 to 8H-1, 125–127	67.27–67.75	G	33.0–33.2	
20	Tm	<i>Artophormis barbadensis</i>	23X-5, 12–14 to 23X-5, 77–79	211–62–212.27	M	17H-1, 80–82 to 17H-1, 130–132	149.30–149.80	M	8H-1, 77–79 to 8H-1, 125–127	67.27–67.75	M	33.0–33.2	
21	Tm	<i>Eucyrtidium</i> (?) sp. J	24X-1, 30–32 to 24X-1, 65–67	211–62–212.27	G	16H-7, 30–32 to 17H-1, 30–32	148.30–148.80	M	8H-1, 77–79 to 8H-1, 125–127	67.27–67.75	M	33.0–33.2	
22	Tm	<i>Thyrsoyrtis lochites</i>	23X-7, 37–39 to 24X-1, 30–32	215.40–215.75	P	16H-7, 30–32 to 17H-1, 30–32	148.30–148.80	P	8H-1, 77–79 to 8H-1, 125–127	67.27–67.75	M	33.0–33.2	
23	Tm	<i>Eusyringium fistuligerum</i> group	23X-7, 37–39 to 24X-1, 30–32	214.87–215.40	M	16H-7, 30–32 to 17H-1, 30–32	148.30–148.80	M	8H-1, 77–79 to 8H-1, 125–127	67.27–67.75	M	33.0–33.2	
24	Tm	<i>Lychnocanoma babylonis</i> group	23X-6, 75–77 to 23X-6, 120–122	214.87–215.40	M	16H-7, 30–32 to 17H-1, 30–32	148.30–148.80	M	8H-1, 77–79 to 8H-1, 125–127	67.27–67.75	P	33.0–33.2	
25	Bm	<i>Rhopalastrum</i> sp. B	23X-7, 37–39 to 24X-1, 30–32	213.75–214.20	M	16H-7, 30–32 to 17H-1, 30–32	148.30–148.80	G	8H-1, 125–127 to 8H-2, 25–27	67.75–68.25	G	33.1–33.4	
26	e	<i>Artophormis barbadensis</i> → <i>A. gracilis</i>	23X-7, 37–39 to 24X-1, 30–32	214.87–215.40	M	17H-2, 80–82 to 17H-3, 30–32	150.80–151.30	G	8H-1, 125–127 to 8H-2, 25–27	67.75–68.25	G	33.1–33.4	
27	Tm	<i>Thyrsoyrtis rhizodon</i>	23X-7, 37–39 to 24X-1, 30–32	214.87–215.40	P	16H-7, 30–32 to 17H-1, 30–32	148.30–148.80	P	8H-1, 125–127 to 8H-2, 25–27	67.75–68.25	P	33.1–33.4	
28	Bm	<i>Lophocyrtis oberhaensliae</i>	23X-6, 120–122 to 23X-7, 6–8	214.87–215.40	G	17H-2, 30–32 to 17H-2, 80–82	150.30–150.80	G	8H-2, 25–27 to 8H-2, 75–77	68.25–68.75	G	33.3–33.5	
29	e	<i>Lithocyelia aristotelis</i> group → <i>L. angusta</i>	24X-1, 30–32 to 24X-1, 65–67	214.20–214.56	M	17H-2, 30–32 to 17H-2, 80–82	150.30–150.80	M	8H-2, 25–27 to 8H-2, 75–77	68.25–68.75	G	33.3–33.5	
30	Tm	<i>Zealithapium mitra</i> group	23X-7, 6–8 to 23X-7, 37–39	215.40–215.75	M	17H-2, 30–32 to 17H-2, 80–82	150.30–150.80	M	8H-2, 25–27 to 8H-2, 75–77	68.25–68.75	M	33.3–33.5	
31	Bm	<i>Arbatrossidium</i> sp. B	24X-2, 75–77 to 24X-2, 118–120	214.56–214.87	P	17H-2, 80–82 to 17H-3, 30–32	150.80–151.30	P	8H-2, 25–27 to 8H-2, 75–77	68.25–68.75	G	33.3–33.5	
32	Tm	<i>Lithocyelia</i> sp. aff. <i>L. stella</i>	23X-7, 37–39 to 24X-1, 30–32	216.95–217.38	M	16H-7, 30–32 to 17H-1, 30–32	148.30–148.80	P	8H-2, 25–27 to 8H-2, 75–77	68.25–68.75	P	33.3–33.5	
33	Tm	<i>Anthocyrtidium adiaphorum</i>	24X-1, 30–32 to 24X-1, 65–67	214.87–215.40	M	17H-2, 80–82 to 17H-3, 30–32	150.80–151.30	M	8H-2, 25–27 to 8H-2, 75–77	68.25–68.75	M	33.3–33.5	
34	Tm	<i>Lophocyrtis jacchia</i> group	24X-2, 30–32 to 24X-2, 75–77	215.40–215.75	G	17H-3, 80–82 to 17H-4, 30–32	151.80–152.15	G	8H-2, 75–77 to 8H-2, 125–127	68.75–69.25	G	33.4–33.6	
35	Tm	<i>Dictyoprora</i> sp. A	23X-7, 37–39 to 24X-1, 30–32	216.50–216.95	M	17H-3, 80–82 to 17H-4, 30–32	151.80–152.15	M	8H-2, 75–77 to 8H-2, 125–127	68.75–69.25	G	33.4–33.6	
36	Bm	<i>Eucyrtidium</i> (?) sp. J	23X-7, 37–39 to 24X-1, 30–32	214.87–215.40	G	17H-2, 80–82 to 17H-3, 30–32	150.80–151.30	G	8H-2, 125–127 to 8H-3, 27–29	69.25–69.77	G	33.5–33.7	
37	Bm	<i>Rhopalastrum</i> (?) sp. C	24X-1, 30–32 to 24X-1, 65–67	214.87–215.40	G	17H-3, 30–32 to 17H-3, 80–82	151.30–151.80	G	8H-2, 125–127 to 8H-3, 27–29	69.25–69.77	G	33.5–33.7	
38	Tm	<i>Sethoperid</i> sp. A	23X-7, 37–39 to 24X-1, 30–32	215.40–215.75	G	17H-3, 30–32 to 17H-3, 80–82	151.30–151.80	M	8H-2, 125–127 to 8H-3, 27–29	69.25–69.77	M	33.5–33.7	
39	Tm	<i>Lophocyrtis</i> (?) <i>barbadense</i>	23X-7, 37–39 to 24X-1, 30–32	214.87–215.40	M	17H-2, 80–82 to 17H-3, 30–32	150.80–151.30	G	8H-2, 125–127 to 8H-3, 27–29	69.25–69.77	M	33.5–33.7	
40	Tm	<i>Stichopilidium sphinx</i>	23X-7, 37–39 to 24X-1, 30–32	214.87–215.40	P	17H-4, 30–32 to 17H-4, 80–82	152.15–152.65	M	8H-2, 125–127 to 8H-3, 27–29	69.25–69.77	G	33.5–33.7	
41	Tm	<i>Thecosphaera</i> sp. A	24X-1, 30–32 to 24X-1, 65–67	214.87–215.40	P	17H-4, 30–32 to 17H-4, 80–82	152.15–152.65	P	8H-2, 125–127 to 8H-3, 27–29	69.25–69.77	G	33.5–33.7	
42	Tm	<i>Anthocyrtidium stenium</i>	24X-1, 65–67 to 24X-2, 30–32	215.40–215.75	M	17H-3, 80–82 to 17H-4, 30–32	151.80–152.15	M	8H-2, 125–127 to 8H-3, 27–29	69.25–69.77	M	33.5–33.7	
43	Tm	<i>Dictyoprora pinum</i>	24X-2, 30–32 to 24X-2, 75–77	215.75–216.50	P	17H-2, 30–32 to 17H-2, 80–82	150.30–150.80	P	8H-2, 125–127 to 8H-3, 27–29	69.25–69.77	M	33.5–33.7	
44	Tm	<i>Rhopalastrum</i> sp. A	23X-6, 75–77 to 23X-6, 120–122	216.50–216.95	M	17H-3, 80–82 to 17H-4, 30–32	151.80–152.15	P	8H-2, 125–127 to 8H-3, 27–29	69.25–69.77	M	33.5–33.7	
45	Bm	<i>Arbatrossidium</i> sp. A	23X-7, 37–39 to 24X-1, 30–32	213.75–214.20	P	17H-2, 80–82 to 17H-3, 30–32	150.80–151.30	G	8H-3, 27–29 to 8H-3, 80–82	69.77–70.30	G	33.6–33.8	
46	Bm	<i>Eucyrtidium montiparum</i>											