Expedition 318 Site U1359, Table T11. Biostratigraphic events and chronostratigraphy, Site U1359. (See table notes.)

Age source	Event	Age: Published (Ma)	Age: Error (m.y.)	Hole U1359A: Core, section, interval (cm) Upper	Hole U1359A: Core, section, interval (cm) Lower	Hole U1359A: Depth (mbsf) Upper	Hole U1359A: Depth (mbsf) Lower	Hole U1359A: Depth (mbsf) Median	Hole U1359A: Depth error (m)	Hole U1359A: Depth (mcd) Upper	Hole U1359A: Depth (mcd) Lower	Hole U1359A: Depth (mcd) Median	Hole U1359A: Depth error (m)	Hole U1359B: Core, section, interval (cm) Upper	Hole U1359B: Core, section, interval (cm) Lower	Hole U1359B: Depth (mbsf) Upper	Hole U1359B: Depth (mbsf) Lower	Hole U1359B: Depth (mbsf) Median	Hole U1359B: Depth error (m)	Hole U1359B: Depth (mcd) Upper	Hole U1359B: Depth (mcd) Lower	Hole U1359B: Depth (mcd) Median	Hole U1359B: Depth error (m)	Hole U1359C: Core, section, interval (cm) Upper	Hole U1359C: Core, section, interval (cm) Lower	Hole U1359C: Depth (mbsf) Upper	Hole U1359C: Depth (mbsf) Lower	Hole U1359C: Depth (mbsf) Median	Hole U1359C: Depth error (m)	Hole U1359C: Depth (mcd) Upper	Hole U1359C: Depth (mcd) Lower	Hole U1359C: Depth (mcd) Median	Hole U1359C: Depth error (m)	Hole U1359D: Core, section, interval (cm) Upper	Hole U1359D: Core, section, interval (cm) Lower	Hole U1359D: Depth (mbsf) Upper	Hole U1359D: Depth (mbsf) Lower	Hole U1359D: Depth (mbsf) Median	Hole U1359D: Depth error (m)	Hole U1359D: Depth (mcd) Upper	Hole U1359D: Depth (mcd) Lower	Hole U1359D: Depth (mcd) Median	Hole U1359D: Depth error (m)
				318-U1359A-	318-U1359A-									318-U1359B-	318-U1359B-									318-U1359C-	318-U1359C-									318-U1359D-	318-U1359D-							
D	LO *Actinocyclus ingens*	0.535	0.035	1H-1, 2	1H-CC	0.02	0.67	0.35	0.33	0.02	0.67	0.35	0.33									1H-1, 40	1H-1, 130	0.40	1.30	0.85	0.45	0.40	1.30	0.85	0.45									
R	LO *Antarctissa cylindrica*	0.600		2H-CC	3H-CC	9.54	19.32	14.43	4.89	11.16	20.94	16.05	4.89	4H-CC	5H-CC	31.13	41.55	36.34	5.21	29.01	42.17	35.59	6.58																			
D	LO *Thalassiosira elliptipora*	0.675	0.035	1H-CC	2H-CC	0.67	9.54	5.11	4.44	0.67	11.16	5.92	5.25																													
PM	Chron C1n (o)	0.781		3H-5, 10	3H-5, 15	16.20	16.25	16.23	0.02	17.82	17.87	17.85	0.03																													
R	LO *Pterocanium charybdenum trilobum*	0.800		3H-CC	4H-CC	19.32	28.56	23.94	4.62	20.94	29.64	25.29	4.35																													
PM	Chron C1r.1n (y)	0.988		4H-3, 40	4H-3, 45	23.00	23.05	23.03	0.03	24.08	24.13	24.11	0.03																													
PM	Chron C1r.1n (o)	1.072		4H-3, 120	4H-4, 90	23.80	25.00	24.40	0.60	24.88	26.08	25.48	0.60																													
PM	Chron C1r.2n (y)	1.173		4H-6, 20	4H-6, 25	27.30	27.35	27.33	0.02	28.38	28.43	28.41	0.02																													
PM	Chron C1r.2n (o)	1.185		4H-6, 65	4H-6, 70	27.75	27.80	27.78	0.03	28.83	28.88	28.86	0.03																													
D	LO *Fragilariopsis barronii*	1.240	0.050	3H-CC	5H-CC	19.32	29.34	24.33	5.01	20.94	29.34	25.14	4.20									1H-5, 10	5H-1, 35	6.10	36.05	21.08	14.98	6.10	39.48	22.79	16.69											
D	LO *Rouxia antarctica*	1.495	0.015	3H-CC	6H-2, 132.5	19.32	41.42	30.37	11.05	20.94	39.66	30.30	9.36									1H-5, 10	5H-1, 35	6.10	36.05	21.08	14.98	6.10	39.48	22.79	16.69											
	Pliocene–Pleistocene boundary	1.81		5H-CC	6H-2, 132.5	29.34	41.42	35.38	6.04	30.42	39.69	34.52	5.18									5H-2, 140	6H-1, 35	36.05	38.60	37.33	1.27	39.48	42.03	40.76	1.28											
R	LO *Eucyrtidium calvertense*	1.900		5H-CC	6H-CC	29.34	47.73	38.54	9.20	30.42	45.97	37.66	8.31	5H-CC	7H-CC	41.55	63.39	52.47	10.92	42.17	62.13	52.15	9.98																			
D	LO *Actinocyclus fasciculatus*	2.160	0.110	4H-CC	6H-2, 132.5	28.56	41.42	34.99	6.43	29.64	39.66	34.65	5.01																													
D	LO *Thalassiosira vulnifica*	2.170	0.020											4H-CC	5H-2,131	31.13	39.01	35.07	3.94	29.01	39.63	34.32	5.31	1H-5, 10	5H-4, 15	6.10	40.35	23.23	17.13	6.10	43.78	24.94	18.84							
D	LO *Fragilariopsis kerguelensis*	2.195	0.015	5H-CC	6H-CC	29.34	47.73	38.54	9.20	30.42	45.97	37.66	8.31																													
R	LO *Helotholus vema*	2.300		5H-CC	6H-CC	29.34	47.73	38.54	9.20	30.42	45.97	37.66	8.31									5H-1, 35	5H-2, 140	36.05	38.60	37.33	1.27	39.48	42.03	40.76	1.28											
R	LO *Desmospyris spongiosa*	2.300		5H-CC	6H-CC	29.34	47.73	38.54	9.20	30.42	45.97	37.66	8.31	5H-CC	7H-CC	41.55	63.39	52.47	10.92	42.17	62.13	52.15	9.98																			
D	LO *Fragilariopsis interfrigidaria*	2.425	0.025																			5H-1, 35	5H-5, 122	36.05	42.92	39.49	3.44	39.48	46.35	42.92	3.44											
D	LO *Thalassiosira insigna*	2.475	0.025											5H-2, 131	6H-6, 16	39.01	53.16	46.09	7.08	39.63	51.17	45.40	5.77	5H-1, 35	5H-5, 122	36.05	42.92	39.49	3.44	39.48	46.35	42.92	3.44							
D	LO *Thalassiosira inura*	2.540	0.010											5H-2, 131	6H-6, 16	39.01	53.16	46.09	7.08	39.63	51.17	45.40	5.77	5H-1, 35	5H-4, 15	36.05	40.35	38.20	2.15	39.48	43.78	41.63	2.15							
PM	Chron C2An.1n (y)	2.581		6H-4, 95	6H-5, 100	44.05	44.70	44.38	0.33	42.29	42.94	42.62	0.33	6H-1, 35	6H-1, 35	46.05	46.05	46.05	0.00	44.06	44.06	44.06	0.00	5H-2, 75	5H-2, 80	37.95	38.00	37.98	0.02	41.38	41.43	41.41	0.02							
R	FO *Cycladophora davisiana*	2.600		5H-CC	6H-CC	29.34	47.73	38.54	9.20	30.42	45.97	37.66	8.31	5H-CC	11H-CC	41.55	101.97	71.76	30.21	42.17	103.17	72.67	30.50																			
D	LO *Rouxia diploneides*	2.620	0.070																			5H-1, 35	5H-5, 122	36.05	42.92	39.49	3.44	39.48	46.35	42.92	3.44							
PM	Chron C2An.1r (y)	3.032												7H-3, 75	7H-3, 80	58.95	59.00	58.98	0.02	57.69	57.74	57.72	0.03	7H-1, 20	7H-1, 30	54.90	55.00	54.95	0.05	59.24	59.34	59.29	0.05							
PM	Chron C2An.1r (o)	3.116																				7H-2, 95	7H-2, 100	57.15	57.20	57.18	0.03	61.49	61.54	61.52	0.03							
D	FO *Thalassiosira vulnifica*	3.150	0.030											7H-5, 114	8H-6, 80	62.34	73.00	67.67	5.33	61.08	73.06	67.07	5.99																			
D	FO *Thalassiosira insigna*	3.250	0.110											7H-5, 114	8H-6, 80	62.34	73.00	67.67	5.33	61.08	73.06	67.07	5.99																			
PM	Chron C2An.3n (o)	3.596		9H-2, 115	9H-2, 120	69.75	69.80	69.78	0.02	69.81	69.86	69.84	0.02																													
D	FO *Fragilariopsis interfrigidaria*	4.060	0.130											11H-CC	12H-CC	101.97	112.60	107.29	5.31	103.17	114.10	108.64	5.47																			
PM	Chron C3n.1n (y)	4.187												11H-2, 60	11H-2, 95	95.30	95.65	95.48	0.18	96.50	96.85	96.68	0.18																			
R	FO *Helotholus vema*	4.200		8H-CC	12H-CC	66.60	104.89	85.75	19.15	66.68	107.03	86.86	20.18	5H-CC	11H-CC	41.55	101.97	71.76	30.21	42.17	103.17	72.67	30.50																			
R	LO *Eucyrtidium pseudoinflatum*	4.200		8H-CC	12H-CC	66.60	104.89	85.75	19.15	66.68	107.03	86.86	20.18	11H-CC	12H-CC	101.97	112.60	107.29	5.31	103.17	114.10	108.64	5.47																			
PM	Chron C3n.1n (o)	4.300												11H-3, 135	11H-3, 140	97.55	97.60	97.58	0.03	98.75	98.80	98.78	0.03																			
D	FO *Fragilariopsis barronii*	4.400	0.120	13H-3, 90	13H-5, 30	109.00	111.40	110.20	1.20	111.22	113.62	112.42	1.20	11H-CC	12H-CC	101.97	112.60	107.29	5.31	103.17	114.10	108.64	5.47																			
PM	Chron C3n.2n (y)	4.493												12H-7, 35	12H-7, 55	112.01	112.16	112.09	0.07	113.51	113.71	113.64	0.08																			
D	LO *Fragilariopsis clementia*	4.555	0.045	16H-CC	17H-CC	135.80	145.43	140.62	4.81	141.39	150.64	146.02	4.63																													
PM	Chron C3n.2n (o)	4.631												13H-3, 115	13H-3, 120	116.35	116.40	116.38	0.03	117.90	117.95	117.93	0.03																			
D	FO *Thalassiosira oliverana* var. *sparsa*	8.525	0.055											23H-CC	24X-CC	209.04	210.46	209.75	0.71	217.92	220.34	219.13	1.21																			
D	LAO *Denticulopsis simonsenii*	8.625	0.055											23H-CC	25X-4, 58	209.04	218.78	213.91	4.87	217.92	228.47	223.20	5.28																			
PM	Chron C4An (y)	8.769																																							
PM	Chron C4An (o)	9.098																																							
R	LO *Cycladophora spongothrax*	9.100		21X-CC	22X-CC	182.07	190.26	186.17	4.09	188.54	198.65	193.60	5.06	23H-CC	25X-CC	208.9	223.36	216.13	7.23	217.92	233.05	225.49	7.57																			
D	LO *Denticulopsis ovata*	9.640	1.070																																					
PM	Chron C5n.2n (y)	9.987																																							
F	LO *Neogloboquadrina nympha*	10.100																																							
D	LO *Denticulopsis dimorpha* var. *areolata*	10.245	0.525																																					
D	LO *Denticulopsis dimorpha*	10.275	0.495																																					
D	FO *Denticulopsis dimorpha* var. *areolata*	10.310	0.530																																					
R	LO *Acrosphaera australis*	10.400												26X-CC	28X-CC	226.64	243.11	234.88	8.24	236.45	252.92	244.69	8.24																			
R	FO *Eucyrtidium pseudoinflatum*	10.500																																						
R	LO *Cycladophora humerus*	10.600																																						
R	LO *Actinomma golowini*	10.800																																						
F	FO *Neogloboquadrina acostaensis*	10.900																																						
F	FO *Neogloboquadrina acostaensis*	10.900																																						
PM	Chron C5n.2n (o)	11.040																																						
D	FO *Denticulopsis ovata*	11.090	0.010																																					
D	LO *Nitzschia denticuloides*	11.720	0.000																																					
PM	Chron C5An.1n (y)	12.014																																						
PM	Chron C5An.2n (o)	12.415																																						
D	FO *Denticulopsis dimorpha* s.l.	12.500	0.040																																					
D	LO *Actinocyclus ingens* var. *nodus*	12.560	0.040																																					
R	LO *Cycladophora spongothrax*	12.600																																						
D	LO *Crucidenticula nicobarica*	12.620	0.050																																					
D	FO *Fragilariopsis claviceps*	12.675	0.055																																					
R	FO *Desmospyris megarocephalis*	12.800																																						
D	FO *Denticulopsis praedimorpha* s.l.	12.970	0.160																																					
D	FO *Nitzschia denticuloides*	13.485	0.115																																					

Notes: Age source: See "Paleomagnetism." These data are used to plot Figure F26. D = diatoms, R = radiolarians, CN = calcareous nannofossils, PL = palynomorphs, F = foraminifers, PM = paleomagnetic event. FO = first occurrence, LO = last occurrence, LAO = last abundant occurence, y = young, o = old.