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Title of article Circulation in the Gulf of Mexico during the last glacial maximum 18,000 yr ago

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Table 3

Location of Core Tops Used to Derive Regression Equations

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TABLE 3. LOCATION OF CORE TOPS USED TO DERIVE REGRESSION EQUATIONS

Core	Latitude (N)	Longitude (W)	Depth (m)
V3-7	23° 35'	82° 09'	1681
V3-13	26° 27'	84° 57'	1447
V3-15	26° 29'	85° 05'	1639
V3-16	26° 32'	85° 02'	3286
V3-17	26° 08'	85° 31'	3266
V3-21	26° 05'	84° 52'	1616
V3-24	24° 56.5'	85° 21.5'	3340
V3-28	23° 57'	86° 11'	1496
V3-30	24° 41.5'	87° 18'	1928
V3-31	24° 51'	87° 14'	3374
V3-32	25° 18'	87° 14'	3369
V3-34	27° 06'	87° 07'	2889
V3-35	27° 22.5'	85° 42.5'	3221
V3-37	27° 26.5'	85° 31'	2372
V3-38	28° 08.2'	86° 26.2'	988
V3-39	28° 27'	86° 33'	647
V3-41	29° 12.5'	87° 02'	832
V3-42	29° 26'	86° 57.5'	667
V3-45	28° 47'	89° 06.5'	358
V3-49	25° 15'	90° 30'	3550
V3-50	24° 09'	89° 52.4'	2849
V3-51	23° 48'	89° 36'	2849
V3-54	23° 18'	89° 31'	201
V3-67	27° 15'	94° 10.2'	1591
V3-70	23° 31'	95° 29'	2728
V3-74	22° 49'	92° 21'	3733
V3-76	22° 35'	91° 38'	1518
V3-77	23° 12'	90° 13'	3733
V3-78	23° 01'	88° 53'	155
V3-79	23° 30'	88° 23'	245
V3-81	27° 38'	89° 54'	1123
V3-92	27° 20'	96° 01'	455
V3-96	26° 53'	92° 30'	1789
V3-97	26° 57.5'	91° 24.5	1961
V3-98	25° 22'	89° 49'	3424
V3-99	26° 13'	90° 04'	3157

Core	Latitude (N)	Longitude (W)	Depth (m)
V3-100	27° 14.8'	89° 04.5'	2034
V3-101	27° 47'	89° 16.6'	1463
V3-103	26° 57'	91° 46.5	1771
V3-104	26° 47'	91° 41'	2074
V3-106	23° 50.5'	92° 15.5'	3740
V3-107	23° 32'	93° 10'	3748
V3-113	27° 20'	94° 39'	1118
V3-115	27° 18.2'	92° 08'	1236
V3-117	27° 06'	91° 37'	1682
V3-121	26° 25.8'	95° 16'	1648
V3-124	25° 23'	93° 21.8'	3508
V3-125	24° 12.5'	93° 13'	3744
V3-127	23° 38'	92° 40.4	3634
V3-131	23° 14'	89° 53'	230
V3-136	23° 17'	86° 08'	980
V3-139	24° 12'	83° 39'	1103
V3-141	23° 40'	83° 17.5'	1577
V3-142	23° 32'	83° 12'	1785
V3-145	24° 08'	81° 49'	658
V3-146	23° 01'	80° 52.5'	1206
V21-14	23° 55'	84° 29'	2943
V21-15	24° 41'	84° 39'	3411
V21-17	20° 24	85° 17'	4557
V24-21	24° 23'	90° 06'	3654
V24-22	23° 35'	92° 08'	3738
V24-23	21° 27'	85° 42'	2078
RC9-17	28° 00'	88° 59.4'	1265
RC9-18	25° 17.3'	91° 22'	3374
RC9-19	25° 36'	94° 41.2'	3405
RC9-22	26° 18.5'	94° 21'	1955
RC9-24	25° 41'	90° 44.4'	3424
RC9-25	24° 46.7'	91° 27.1	3576
RC9-28	23° 37.4'	92° 28.7'	3629
RC9-29	24° 51'	90° 57.2'	3605
RC9-30	25° 02.6'	88° 59'	3477
RC9-32	20° 32.4'	84° 11'	4032-4243

Core	Latitude (N)	Longitude (W)	Depth (m)
RC10-262	23° 26.1'	86° 17.5'	1767
RC10-263	22° 56'	91° 35.8'	3742
RC10-264	22° 04.6'	94° 49.9'	3464
RC10-265	21° 42.8'	95° 49.8'	2521
RC10-266	22° 37.4'	96° 20.4'	2371
RC10-267	24° 03.3'	94° 22.8'	3749
RC10-268	24° 54.2'	92° 27.8'	3625
RC10-269	26° 12.5'	89° 25.1'	2979
RC10-270	25° 11'	84° 44.7'	2816
RC12-5	25° 56.8'	84° 52.2'	2946
RC12-7	27° 08.5'	91° 33'	1942
RC12-9	25° 47'	94° 14'	3623
RC12-10	23° 23.5'	95° 32'	3054
RC12-12	22° 54'	93° 39.8'	3749
RC12-18	20° 44'	86° 15'	1293
RC12-19	20° 26.8'	86° 08'	1646
V3-66	27° 57'	94° 12.5'	95
V3-85	28° 12'	92° 58.8'	64
V3-86	28° 06.8'	93° 04.5'	77
V3-87	28° 05.8'	93° 16.2'	77
V15-210	37° 01'	74° 36.5'	672
V15-211	37° 40.5'	74° 08.5'	388
C8-6	35° 55'	74° 51.5'	270
C8-8	37° 01.5'	74° 27.8'	1410
C8-9	37° 05'	74° 40'	504
A156-7	38° 11'	73° 30.5'	1350
K-40	25° 05.0'	86° 02.1'	3162
K-43	24° 17.1'	88° 28.5'	3541
K-47	26° 35.0'	86° 25.0'	3233
K-92	24° 14.1'	94° 20.5'	3750
K-102	27° 34.0'	93° 12.0'	379
K-108	26° 59.7'	94° 18.7'	1796
K-146	23° 22.9'	94° 25.8'	3755
TR126-4	21° 59.7'	94° 37.5'	3550
TR126-5	21° 52.7'	95° 11.7'	3150
TR126-6	21° 51.6'	95° 25.6'	3045
TR126-7	21° 49.7'	95° 41.5'	2920
TR126-8	21° 47.8'	95° 52.1'	2690

Core	Latitude (N)	Longitude (W)	Depth (m)
TR126-11	21° 32.3'	96° 39.8'	1350
TR126-11A	21° 33.4'	96° 42.4'	1350
TR126-12	21° 28.1'	96° 50.7'	965
TR126-13	21° 36.2'	96° 55.4'	560
TR126-14	21° 49.9'	96° 58.2'	1290
TR126-15	21° 09.7'	96° 36.5'	1030
TR126-16	21° 00.4'	96° 16.1'	1550
TR126-17	20° 50.9'	96° 01.3'	1950
TR126-18	20°25.9'	96° 08.5'	1605
TR126-19	19° 58.5'	96° 13.0'	710
TR126-20	20° 04.5'	96° 08.0'	1315
TR126-21	20° 10.9'	96° 00.3'	1920
TR126-22	20° 20.0'	95° 51.7'	2130
TR126-23	20° 29.4'	95° 37.4'	2410
TR126-24	20° 37.4'	95° 27.1'	2550
TR126-25	20° 47.5'	95° 16.0'	2760
TR126-26	20° 55.4'	95° 04.6'	3075
TR126-26A	20° 56.2'	95° 05.0'	3050
TR126-27	21° 08.4'	94° 56.2'	3240
TR126-28	21° 14.8'	94° 26.2'	3350
TR126-29A	21° 17.4'	93° 56.7'	2700
TR126-30	21° 21.9'	93° 32.2'	3040
TR126-31	20° 56.7'	93° 18.9'	1970
TR126-33	20° 15.5'	93° 14.1'	1450
TR126-34	19° 58.3'	93° 15.9'	1250
TR126-35	19° 32.9'	93° 16.2'	610
TR126-37	19° 46.0'	93° 57.0'	1360
TR126-38	19° 48.4'	94° 13.8'	1650
TR126-39	19° 24.9'	94° 26.4'	1500

All the samples from these core sites are trigger core tops except the Kane and Caryn samples which are piston core tops. The Kane (K) cores are from the collection of the USGS Marine Geology Office, Corpus Christi, Texas; the Trident (TR) cores are from the collection at the Graduate School of Oceanography, University of Rhode Island. The Vema (V), Robert Conrad (RC), Caryn (C) and Atlantis (A) cores are in the collection at Lamont-Doherty Geological Observatory of Columbia University.

TABLE 4. LOCATION OF CORES SAMPLED AT 18,000 YBP

Core, 18K interval	Latitude (N)	Longitude (W)	Depth (m)
K-97, 490cm	25° 37.0'	93° 12.0'	3408
K-108, 290cm	26° 59.7'	94° 18.7'	1796
K-115, 180cm	24° 59.9'	95° 00.9'	3576
K-120, 120cm	23° 17.8'	96° 10.8'	2537
K-135, 160cm	19° 33.5'	93° 17.9'	580
K-136, 220cm	19° 58.9'	93° 13.0'	1215
K-138, 220cm	20° 31.5'	93° 13.4'	1711
K-144, 370cm	22° 40.3'	93° 13.0'	3720
K-147, 180cm	25° 42.5'	95° 56.0'	1086
TR126-14, 160cm	21° 49.9'	96° 58.2'	1290
TR126-26, 100cm	20° 55.4'	95° 04.6'	3075
AL4-11, 100cm	23° 48.0'	92° 26.0'	3495

All samples listed above were taken from piston cores. The Kane (K) cores are from the collection at the USGS Marine Geology Office, Corpus Christi, Texas; the Trident (TR) cores are from the collection at the Graduate School of Oceanography, University of Rhode Island; the Alaminos (AL) core is from the collection at Lamont-Doherty Geological Observatory of Columbia University.

The depth of the 18,000 year interval was determined by extrapolation from the Y-Z boundary (Ericson and Wollin, 1968) dated at about 11,000 YBP (Broecker, Ewing and Heezen, 1960) and from the detailed foraminiferal biostratigraphy of Kennett and Huddlestun (1972).

TABLE 5. SPECIES COUNTS OF PLANKTONIC FORAMINIFERA

Sediment samples were taken from 140 core tops from the Gulf of Mexico and from 12 piston cores from the western Gulf sampled at the 18,000 year isochron. Each sample was dried, weighed, and washed over a 63 μ Tyler screen. The dry residue was sieved on a 150 μ Tyler screen and split into a representative fraction of approximately 350 specimens using a modified Otto microsplitter. In each split frequency counts were made of the planktonic foraminifera.

Core Sample	V3-17 4-5 cm	V3-7 1-2 cm	V3-13 1-2 cm	V3-15 1-2 cm	V3-16 0 cm	V3-21 1-2 cm	V3-23 3-4 cm	V3-24 2-3 cm	V3-28 0 cm	V3-30 2-3 cm	V3-31 0-1 cm	V3-32 0 cm	V3-34 0 cm	V3-35 1-2 cm	V3-37 1-2 cm
Planktonic Foraminifera															
Orbulina universa	12	9	10	6	5	9	7	6	13	7	14	20	12	7	6
Globigerinoides conglobatus	0	2	2	2	2	4	0	4	2	0	6	0	2	0	0
Globigerinoides ruber	119	117	146	142	164	157	138	124	132	120	90	107	188	144	137
Globigerinoides tenellus	1	2	4	7	3	1	1	0	3	5	0	1	0	2	5
Globigerinoides sacculifera	52	49	34	32	33	32	22	78	53	48	69	49	51	35	28
Sphaeroidinellus dehiscens	0	0	0	0	0	0	0	1	0	1	2	0	0	0	0
Globigerinella aequilateralis	20	39	37	20	32	45	36	6	28	24	11	17	14	9	14
Globigerina calida	1	2	3	6	3	0	8	1	6	4	6	18	28	13	7
Globigerina bulloides	2	2	1	7	1	0	2	9	2	3	4	10	6	10	10
Globigerina falconensis	21	2	12	36	5	14	4	1	5	11	0	5	5	11	25
Globigerina digitata	1	0	1	0	0	2	0	0	1	0	0	0	0	0	0
Globigerina rubescens	6	4	3	8	6	4	2	0	5	2	1	1	4	3	4
Globigerina quinqueloba	1	0	0	0	1	2	0	1	1	0	0	1	2	0	0
Neogloboquadrina pachyderma (right)	0	17	0	0	0	0	0	2	0	2	0	0	1	2	1
Neogloboquadrina dutertrei	22	17	22	39	10	30	14	30	17	22	45	13	16	14	22
Pulleniatina obliquiloculata	10	8	32	11	10	21	9	12	9	4	8	6	12	10	4
Globorotalia inflata	0	0	0	23	0	0	1	2	0	0	6	0	0	0	8
Globorotalia truncatulinoides (left)	1	0	0	1	0	0	0	4	1	0	1	0	2	1	1
Globorotalia truncatulinoides (right)	8	2	7	11	6	11	5	11	5	4	14	5	7	8	4
Globorotalia crassaformis	1	1	1	7	2	4	1	1	0	2	3	0	1	9	4
P-D intergrade	0	0	0	0	0	0	0	2	0	1	2	1	0	7	4
Globorotalia hirsuta	0	0	0	0	0	0	0	4	0	0	0	1	0	0	3
Globorotalia scitula	0	1	4	3	6	3	7	0	0	1	0	3	0	0	4
Globorotalia menardii	15	18	24	12	19	17	16	29	25	7	41	17	27	10	3
Candiena nitida	2	0	1	0	0	2	2	0	1	3	0	2	0	0	0
Globigerinita glutinata	21	24	47	17	26	32	33	12	23	33	1	17	30	5	17
Globigerinella pelagica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	2	1	6	2	2	0	0	4	3	4	6	4	7	4	6

Core Sample	V3-38 0 cm	V3-39 0 cm	V3-41 0 cm	V3-42 0 cm	V3-45 0 cm	V3-49 0 cm	V3-50 0 cm	V3-51 0 cm	V3-54 0 cm	V3-67 0 cm	V3-70 0 cm	V3-74 0 cm	V3-76 0 cm	V3-77 0 cm	V3-78 0 cm
Planktonic Foraminifera															
Orbulina universa	1	5	2	2	1	2	10	11	6	8	8	6	13	5	0
Globigerinoides conglobatus	1	3	0	1	3	1	4	1	2	4	3	2	0	4	0
Globigerinoides ruber	134	180	118	96	106	114	121	128	187	160	232	125	141	131	136
Globigerinoides tenellus	2	4	1	3	1	3	4	3	1	1	1	8	3	3	9
Globigerinoides sacculifera	31	31	9	15	21	48	27	24	25	11	16	24	28	27	20
Sphaeroidinellus dehiscens	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0
Globigerinella aequilateralis	14	5	10	5	3	10	24	24	21	12	12	22	14	15	20
Globigerina calida	23	21	13	17	10	6	5	5	9	6	4	11	7	7	0
Globigerina bulloides	14	12	27	10	1	2	0	4	2	34	1	1	2	1	0
Globigerina falconensis	30	51	22	38	34	14	10	14	9	10	7	14	14	3	15
Globigerina digitata	0	0	0	7	0	1	0	2	0	1	1	4	0	0	1
Globigerina rubescens	0	5	1	1	1	3	6	9	4	1	2	2	2	1	9
Globigerina quinqueloba	0	3	3	0	0	1	2	1	0	0	0	0	1	0	0
Neogloboquadrina pachyderma (right)	0	2	3	2	0	2	1	1	1	0	0	2	0	0	0
Neogloboquadrina dutertrei	17	28	12	16	28	23	10	16	23	12	7	5	14	11	16
Pulleniatina obliquiloculata	16	25	14	12	23	13	20	16	17	64	36	25	19	29	15
Globorotalia inflata	0	1	0	8	0	0	0	1	2	0	0	0	0	0	0
Globorotalia truncatulinoides (left)	1	3	1	3	2	0	0	1	1	1	3	2	1	0	2
Globorotalia truncatulinoides (right)	12	21	19	18	14	16	9	17	14	36	32	11	10	24	7
Globorotalia crassaformis	9	3	4	4	6	4	2	2	7	0	0	2	0	0	2
P-D intergrade	4	13	4	4	2	0	0	2	3	5	0	0	1	0	0
Globorotalia hirsuta	2	6	1	4	1	1	2	2	1	1	0	0	0	0	5
Globorotalia scitula	2	1	0	2	0	0	1	3	0	0	0	8	1	2	6
Globorotalia menardii	17	32	24	15	15	29	29	24	20	28	27	21	17	38	17
Candiena nitida	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0
Globigerinita glutinata	32	31	30	9	13	20	21	25	16	17	20	11	18	8	16
Globigerinella pelagica	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
Other	19	9	3	9	1	7	5	9	15	3	6	9	8	3	[illegible]

Core Sample	V3-79 0 cm	V3-81 1-3 cm	V3-92 0 cm	V3-96 0 cm	V3-97 0 cm	V3-98 3-4 cm	V3-99 0 cm	V3-100 0 cm	V3-101 0 cm	V3-103 0 cm	V3-104 0 cm	V3-106 0 cm	V3-107 0 cm	V3-113 0 cm	V3-115 0 cm
Planktonic Foraminifera															
Orbulina universa	5	1	1	6	10	7	4	3	7	7	12	2	6	6	1
Globigerinoides conglobatus	1	3	4	0	6	2	0	1	4	5	9	2	1	10	2
Globigerinoides ruber	177	105	147	113	230	133	147	110	74	172	152	157	126	256	134
Globigerinoides tenellus	6	2	4	2	3	2	2	5	1	5	6	10	6	5	2
Globigerinoides sacculifera	37	10	6	11	15	49	41	30	10	21	12	32	30	16	5
Sphaeroidinellus dehiscens	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
Globigerinella aequilateralis	22	10	4	17	19	11	14	8	8	18	34	14	7	10	11
Globigerina calida	8	9	1	19	33	7	12	5	7	13	13	8	4	7	1
Globigerina bulloides	2	1	19	8	12	5	3	6	4	9	5	1	3	29	10
Globigerina falconensis	9	10	5	9	14	8	4	6	6	19	16	14	7	21	9
Globigerina digitata	0	0	0	2	2	0	0	0	0	1	1	0	1	0	0
Globigerina rubescens	13	0	2	2	5	0	4	5	0	2	0	1	1	0	0
Globigerina quinqueloba	0	0	2	2	0	0	0	1	1	0	0	0	0	0	0
Neogloboquadrina pachyderma (right)	1	0	0	0	1	0	1	3	0	0	0	0	0	0	0
Neogloboquadrina dutertrei	25	26	21	10	30	28	20	23	15	18	18	8	9	56	7
Pulleniatina obliquiloculata	20	42	83	37	66	11	25	10	27	39	48	28	28	86	22
Globorotalia inflata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Globorotalia truncatulinoides (left)	1	0	2	0	1	0	0	0	0	0	0	4	0	2	0
Globorotalia truncatulinoides (right)	18	27	43	23	40	12	9	19	22	39	21	24	26	74	22
Globorotalia crassaformis	5	3	1	0	2	6	3	3	0	2	3	1	1	2	1
P-D intergrade	0	0	1	0	0	0	0	1	1	0	0	0	0	0	0
Globorotalia hirsuta	4	0	0	0	0	0	0	2	0	0	0	0	0	0	0
Globorotalia scitula	3	0	1	5	4	1	1	0	1	3	10	1	0	0	0
Globorotalia menardii	16	33	18	30	47	23	21	12	41	38	32	35	33	56	24
Candiena nitida	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0
Globigerinita glutinata	22	15	20	9	29	10	20	35	14	28	23	27	21	21	20
Globigerinella pelagica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	11	3	12	2	1	2	1	7	1	7	1	2	4	6	3

Core Sample	V3-117 0 cm	V3-121 0 cm	V3-124 0 cm	V3-125 0 cm	V3-127 0 cm	V3-131 0 cm	V3-136 0 cm	V3-139 1-2 cm	V3-141 0 cm	V3-142 1-2 cm	V3-145 2-3 cm	V3-146 0 cm	V21-14 0 cm	V21-15 0 cm	V21-17 0 cm
Planktonic Foraminifera															
Orbulina universa	4	6	2	6	11	4	12	4	13	11	8	8	18	6	8
Globigerinoides conglobatus	6	4	5	4	2	0	2	0	2	1	1	0	0	0	0
Globigerinoides ruber	126	205	149	143	206	167	138	157	129	146	155	125	145	131	157
Globigerinoides tenellus	3	0	0	3	3	4	0	0	2	1	2	3	3	2	2
Globigerinoides sacculifera	11	16	11	29	39	33	48	53	62	60	41	105	38	46	32
Sphaeroidinellus dehiscens	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Globigerinella aequilateralis	16	8	14	17	24	23	35	35	16	39	20	36	14	28	42
Globigerina calida	12	5	5	7	5	3	11	13	1	6	7	2	0	3	5
Globigerina bulloides	4	13	6	1	0	3	0	1	0	1	4	1	0	0	0
Globigerina falconensis	12	11	3	2	4	18	3	4	5	1	11	1	5	11	3
Globigerina digitata	0	1	1	1	0	0	0	1	2	1	1	0	0	2	0
Globigerina rubescens	2	2	0	0	4	7	3	7	4	3	10	5	6	14	6
Globigerina quinqueloba	1	0	0	0	0	0	0	3	0	2	1	0	2	1	0
Neogloboquadrina pachyderma (right)	0	0	1	0	0	0	0	0	0	0	2	0	0	0	0
Neogloboquadrina dutertrei	7	14	18	5	14	17	9	17	23	22	28	11	17	14	3
Pulleniatina obliquiloculata	38	49	40	17	30	12	8	9	15	15	9	6	4	9	4
Globorotalia inflata	0	0	0	0	0	9	0	0	0	0	0	0	2	0	0
Globorotalia truncatulinoides (left)	1	0	1	0	0	1	0	0	2	0	0	0	0	0	0
Globorotalia truncatulinoides (right)	39	49	49	18	30	15	2	6	4	6	5	1	6	7	1
Globorotalia crassaformis	1	0	1	0	1	4	0	0	3	2	0	1	2	1	1
P-D intergrade	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Globorotalia hirsuta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Globorotalia scitula	2	0	0	1	2	2	1	4	0	5	4	0	2	1	2
Globorotalia menardii	33	42	29	30	35	12	35	23	23	17	14	22	10	19	20
Candiena nitida	0	0	0	0	0	0	2	0	1	1	0	0	1	1	3
Globigerinita glutinata	13	26	17	10	34	22	33	45	17	27	29	37	29	29	66
Globigerinella pelagica	2	0	0	0	0	0	0	1	0	3	0	1	0	0	1
Other	5	2	2	8	2	6	5	7	1	4	8	1	4	2	4

Core Sample	V24-21 0 cm	V24-22 0 cm	V24-23 0 cm	RC9-17 0 cm	RC9-18 0 cm	RC9-19 0 cm	RC9-22 0 cm	RC9-24 0 cm	RC9-25 0 cm	RC9-28 0 cm	RC9-29 0 cm	RC9-30 0 cm	RC9-32 0 cm	RC10-262 0 cm	RC10-263 0 cm
Planktonic Foraminifera															
Orbulina universa	11	15	13	1	9	12	8	4	6	7	13	10	9	7	7
Globigerinoides conglobatus	6	1	0	2	2	4	4	0	1	3	6	0	3	1	2
Globigerinoides ruber	135	134	121	101	157	141	154	148	170	176	162	158	148	138	155
Globigerinoides tenellus	1	3	2	0	2	2	4	2	3	9	1	1	3	1	5
Globigerinoides sacculifera	30	28	56	13	22	8	7	39	44	41	44	32	59	97	17
Sphaeroidinellus dehiscens	0	0	2	0	0	0	0	0	0	0	1	0	0	0	0
Globigerinella aequilateralis	23	18	49	11	16	19	12	11	21	15	15	24	30	15	31
Globigerina calida	5	9	4	4	10	6	6	6	5	9	9	3	3	2	9
Globigerina bulloides	2	2	1	1	1	2	4	1	0	1	1	0	0	0	1
Globigerina falconensis	4	12	1	13	10	25	28	11	14	15	8	6	1	9	6
Globigerina digitata	1	1	0	0	2	2	0	0	0	0	0	1	1	0	0
Globigerina rubescens	1	2	8	2	5	2	2	3	4	12	3	1	5	10	1
Globigerina quinqueloba	0	0	0	3	0	0	1	1	2	0	1	0	0	1	1
Neogloboquadrina pachyderma (right)	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0
Neogloboquadrina dutertrei	20	19	11	26	23	16	12	14	22	22	14	24	5	21	15
Pulleniatina obliquiloculata	19	25	4	30	20	38	50	28	26	22	29	21	3	5	37
Globorotalia inflata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Globorotalia truncatulinoides (left)	1	0	0	1	1	0	1	1	3	2	0	0	1	0	0
Globorotalia truncatulinoides (right)	13	20	2	31	20	36	30	17	11	22	16	15	5	3	24
Globorotalia crassaformis	1	2	0	1	1	2	0	2	6	3	0	2	1	4	0
P-D intergrade	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Globorotalia hirsuta	0	0	0	0	1	0	0	0	0	1	0	1	0	0	0
Globorotalia scitula	2	1	1	0	0	0	1	2	2	2	2	6	0	2	7
Globorotalia menardii	24	37	19	35	33	11	22	23	26	27	33	19	9	30	17
Candiena nitida	0	0	2	1	0	0	0	0	0	0	0	1	4	2	0
Globigerinita glutinata	12	12	49	17	24	18	32	17	47	35	18	23	35	20	26
Globigerinella pelagica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	1	0	2	0	1	3	5	0	5	1	6	3	1	1	1

Core Sample	RC10-264 1-2 cm	RC10-265 0 cm	RC10-266 0 cm	RC10-267 0 cm	RC10-268 0 cm	RC10-269 0 cm	RC10-270 0 cm	RC12-5 0 cm	RC12-7 0 cm	RC12-9 0 cm	RC12-10 0 cm	RC12-12 0 cm	RC12-18 0 cm	RC12-19 0 cm	V3-66 0 cm
Planktonic Foraminifera															
Orbulina universa	3	14	10	6	2	6	12	13	3	8	12	6	13	10	1
Globigerinoides conglobatus	2	1	1	3	1	2	2	2	5	2	9	2	0	5	5
Globigerinoides ruber	181	167	152	135	151	116	140	138	120	153	160	136	174	140	305
Globigerinoides tenellus	6	4	4	0	5	1	2	2	0	1	1	3	1	2	9
Globigerinoides sacculifera	33	16	21	33	10	24	62	21	11	10	14	33	44	55	21
Sphaeroidinellus dehiscens	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Globigerinella aequilateralis	11	12	21	12	12	25	30	48	15	12	10	11	29	37	7
Globigerina calida	3	7	5	5	3	4	3	4	6	6	7	7	1	8	3
Globigerina bulloides	3	4	2	2	2	0	0	2	3	2	1	2	0	0	17
Globigerina falconensis	4	7	12	15	8	8	3	14	11	12	6	3	0	0	53
Globigerina digitata	3	2	1	1	1	2	0	1	0	0	1	1	1	1	0
Globigerina rubescens	2	6	5	0	1	3	4	6	0	1	3	3	4	3	16
Globigerina quinqueloba	1	2	0	0	0	4	1	0	0	1	0	1	1	0	0
Neogloboquadrina pachyderma (right)	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Neogloboquadrina dutertrei	15	9	9	8	15	13	30	9	13	5	6	13	16	15	27
Pulleniatina obliquiloculata	17	19	39	34	29	10	15	14	25	37	33	29	3	3	37
Globorotalia inflata	0	0	0	0	0	0	6	1	0	0	0	0	0	1	0
Globorotalia truncatulinoides (left)	3	0	1	1	1	0	1	0	1	0	1	2	0	1	4
Globorotalia truncatulinoides (right)	18	29	23	30	32	11	14	7	37	36	33	25	0	4	34
Globorotalia crassaformis	4	0	0	1	4	1	3	2	0	2	0	1	0	2	4
P-D intergrade	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2
Globorotalia hirsuta	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0
Globorotalia scitula	1	4	3	0	0	2	2	6	1	2	1	0	2	0	3
Globorotalia menardii	28	29	13	31	24	22	26	21	52	31	14	31	24	12	16
Candiena nitida	1	0	1	0	0	1	3	0	3	0	2	1	6	1	0
Globigerinita glutinata	27	14	19	15	13	34	15	34	14	18	14	17	23	26	29
Globigerinella pelagica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	2	2	8	1	3	2	2	6	0	3	4	0	2	0	5

Core Sample	V3-85 0 cm	V3-86 0 cm	V3-87 0 cm	V15-210 0 cm	V15-211 0 cm	C8-6 0 cm	C8-8 0 cm	C8-9 2-3 cm	A156-7 0 cm	TR126-4 0 cm	TR126-5 0 cm	TR126-6 0 cm	TR126-7 0 cm	TR126-8 0 cm	TR126-11 0 cm
Planktonic Foraminifera															
Orbulina universa	0	2	4	1	0	4	1	3	1	10	13	14	8	13	6
Globigerinoides conglobatus	1	2	0	1	0	1	2	3	0	2	1	3	1	2	1
Globigerinoides ruber	248	169	241	10	0	25	2	16	0	262	256	265	173	258	187
Globigerinoides tenellus	6	8	18	0	0	0	0	0	0	14	12	11	9	14	0
Globigerinoides sacculifera	21	12	7	0	0	1	0	2	1	66	61	34	27	25	13
Sphaeroidinellus dehiscens	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Globigerinella aequilateralis	10	5	20	0	0	2	0	0	0	22	29	28	27	38	10
Globigerina calida	6	3	9	1	1	2	0	0	1	0	0	1	0	0	0
Globigerina bulloides	14	11	26	71	27	105	15	104	28	7	10	4	4	12	6
Globigerina falconensis	27	12	30	9	3	4	13	9	2	12	17	8	4	8	7
Globigerina digitata	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2
Globigerina rubescens	5	2	9	0	0	0	0	1	0	8	10	5	3	11	1
Globigerina quinqueloba	0	0	0	9	5	13	7	2	4	2	0	1	1	2	0
Neogloboquadrina pachyderma (right)	0	1	0	14	34	4	17	9	29	0	0	0	0	1	0
Neogloboquadrina dutertrei	18	25	37	211	175	92	138	189	139	23	40	28	20	30	6
Pulleniatina obliquiloculata	29	23	32	0	2	1	0	0	0	15	11	20	16	23	17
Globorotalia inflata	0	0	0	42	44	48	68	63	52	0	0	0	0	0	0
Globorotalia truncatulinoides (left)	0	1	0	1	0	0	3	0	2	3	1	0	0	2	1
Globorotalia truncatulinoides (right)	23	18	32	0	0	1	0	0	0	29	12	25	22	24	24
Globorotalia crassaformis	1	0	0	1	0	0	0	0	0	3	4	2	1	2	1
P-D intergrade	0	0	0	14	10	2	29	6	4	0	0	0	0	0	0
Globorotalia hirsuta	1	0	1	0	0	0	0	2	1	0	3	0	0	0	0
Globorotalia scitula	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0
Globorotalia menardii	16	20	13	2	1	0	2	0	2	20	20	25	21	26	29
Candiena nitida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Globigerinita glutinata	10	7	14	32	15	17	22	11	28	45	39	26	21	41	9
Globigerinella pelagica	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0
Other	0	2	0	1	6	3	3	3	0	10	0	8	0	3	2

Core Sample	TR126-11A 0 cm	TR126-12 0 cm	TR126-13 0 cm	TR126-14 0 cm	TR126-15 0 cm	TR126-16 0 cm	TR126-17 0 cm	TR126-18 0 cm	TR126-19 0 cm	TR126-20 0 cm	TR126-21 0 cm	TR126-22 0 cm	TR126-23 0 cm	TR126-24 0 cm	TR126-25 0 cm
Planktonic Foraminifera															
Orbulina universa	6	9	3	10	8	9	6	14	12	4	5	8	4	12	10
Globigerinoides conglobatus	3	5	2	7	2	1	2	3	2	0	2	0	0	2	2
Globigerinoides ruber	282	183	132	260	159	143	192	193	153	199	149	165	153	173	174
Globigerinoides tenellus	5	1	3	2	5	8	7	2	6	6	5	5	1	3	11
Globigerinoides sacculifera	14	10	7	12	12	18	18	23	13	22	17	19	9	39	43
Sphaeroidinellus dehiscens	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Globigerinella aequilateralis	27	32	14	32	22	25	36	26	22	25	41	24	19	22	39
Globigerina calida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Globigerina bulloides	19	13	8	20	10	6	4	11	9	9	15	16	7	8	4
Globigerina falconensis	5	9	10	14	7	9	12	10	6	14	11	4	5	9	14
Globigerina digitata	1	1	0	1	1	0	2	2	1	0	1	2	0	3	0
Globigerina rubescens	3	3	1	3	1	5	8	11	4	7	0	3	3	7	5
Globigerina quinqueloba	1	4	0	0	1	1	2	1	0	0	1	1	0	1	0
Neogloboquadrina pachyderma (right)	0	0	0	0	0	0	1	2	0	0	2	0	0	0	4
Neogloboquadrina dutertrei	11	11	17	36	19	13	30	16	15	11	12	17	6	26	41
Pulleniatina obliquiloculata	35	19	24	44	20	10	26	17	12	15	15	12	21	11	4
Globorotalia inflata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Globorotalia truncatulinoides (left)	2	0	0	10	0	0	1	2	0	0	1	1	0	0	3
Globorotalia truncatulinoides (right)	42	22	12	26	21	18	16	19	16	19	9	17	16	16	10
Globorotalia crassaformis	1	1	0	0	2	2	5	6	1	3	2	1	0	2	6
P-D intergrade	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Globorotalia hirsuta	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0
Globorotalia scitula	0	1	0	0	6	0	0	0	0	0	0	0	0	0	0
Globorotalia menardii	30	17	5	26	20	19	17	22	24	28	18	22	21	16	11
Candiena nitida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Globigerinita glutinata	14	19	18	24	12	32	30	16	16	24	22	15	9	17	25
Globigerinella pelagica	0	0	0	0	0	0	0	0	0	0	2	0	2	2	3
Other	2	5	4	7	1	2	3	6	3	3	3	10	5	1	6

Core Sample	TR126-26 0 cm	TR126-26A 0 cm	TR126-27 0 cm	TR126-28 0 cm	TR126-29A 0 cm	TR126-30 0 cm	TR126-31 0 cm	TR126-33 0 cm	TR126-34 0 cm	TR126-35 0 cm	TR126-37 0 cm	TR126-38 0 cm	TR126-39 0 cm	K-40 3-5 cm	K-43 5 cm
Planktonic Foraminifera															
Orbulina universa	4	13	5	5	12	5	12	5	9	3	7	9	7	16	16
Globigerinoides conglobatus	2	1	2	3	2	0	0	0	0	2	3	0	3	0	1
Globigerinoides ruber	208	225	276	164	159	297	156	216	213	271	159	275	166	144	235
Globigerinoides tenellus	6	6	8	3	14	14	6	14	5	5	5	0	1	2	7
Globigerinoides sacculifera	19	23	47	17	28	47	22	42	16	25	8	19	30	76	56
Sphaeroidinellus dehiscens	0	0	1	0	0	0	0	2	0	0	0	0	0	2	0
Globigerinella aequilateralis	37	23	20	15	15	29	20	17	17	12	14	40	15	22	38
Globigerina calida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Globigerina bulloides	4	4	6	9	7	4	6	5	13	16	18	24	27	1	2
Globigerina falconensis	12	10	5	2	1	14	5	5	6	5	11	4	8	7	14
Globigerina digitata	0	2	1	1	3	5	0	2	1	1	0	3	6	0	0
Globigerina rubescens	3	6	2	5	5	7	8	19	5	1	2	4	6	2	17
Globigerina quinqueloba	0	2	2	4	2	1	0	2	2	0	3	1	0	1	2
Neogloboquadrina pachyderma (right)	0	0	0	1	0	0	2	0	0	0	0	0	0	0	1
Neogloboquadrina dutertrei	19	20	33	15	31	49	15	34	11	16	14	27	31	37	25
Pulleniatina obliquiloculata	20	21	21	14	9	11	9	13	13	6	16	35	29	7	22
Globorotalia inflata	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0
Globorotalia truncatulinoides (left)	0	0	1	0	2	0	0	3	0	1	2	0	0	0	1
Globorotalia truncatulinoides (right)	24	18	15	8	15	15	11	21	15	19	18	18	19	6	12
Globorotalia crassaformis	1	2	2	3	2	2	1	8	2	1	1	0	1	0	2
P-D intergrade	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Globorotalia hirsuta	1	0	1	1	0	0	0	0	1	0	0	0	0	0	0
Globorotalia scitula	0	0	0	1	0	0	1	0	1	0	0	4	1	0	2
Globorotalia menardii	23	29	26	12	18	15	11	22	20	12	20	28	39	24	31
Candiena nitida	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0
Globigerinita glutinata	22	27	28	20	20	22	18	22	10	10	15	16	10	18	47
Globigerinella pelagica	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0
Other	1	2	3	4	5	4	2	3	3	4	0	6	4	7	5

Core Sample	K-47 4-6 cm	K-92 0 cm	K-102 0 cm	K-108 0 cm	K-146 0 cm	K-97 490-492 cm	K-108 290-292 cm	K-115 180 cm	K-120 120 cm	K-125 170 cm	K-136 220 cm	K-138 220 cm	K-144 370 cm	K-147 180 cm	TR126-14 158-160 cm
Planktonic Foraminifera															
Orbulina universa	12	8	1	4	3	36	16	25	19	6	2	9	21	11	29
Globigerinoides conglobatus	2	1	3	11	4	2	0	0	2	1	0	0	0	0	1
Globigerinoides ruber	172	152	142	115	207	228	206	218	154	159	96	150	143	152	140
Globigerinoides tenellus	0	2	4	1	7	15	4	11	13	16	28	32	10	3	23
Globigerinoides sacculifera	84	65	28	9	33	6	5	39	5	16	0	3	5	28	1
Sphaeroidinellus dehiscens	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Globigerinella aequilateralis	31	9	19	16	20	28	32	24	54	23	49	54	40	14	47
Globigerina calida	2	0	0	0	1	3	1	3	0	1	0	0	0	0	0
Globigerina bulloides	2	9	15	26	4	34	3	18	9	4	6	1	2	25	7
Globigerina falconensis	13	15	32	1	4	22	83	73	67	43	62	79	22	60	49
Globigerina digitata	0	1	0	0	1	1	4	0	3	2	23	4	2	1	3
Globigerina rubescens	2	3	2	1	2	4	0	3	8	5	2	5	6	8	11
Globigerina quinqueloba	1	1	2	0	0	0	1	1	0	0	1	1	0	1	0
Neogloboquadrina pachyderma (right)	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Neogloboquadrina dutertrei	28	16	36	26	22	26	6	6	2	17	3	2	3	1	4
Pulleniatina obliquiloculata	13	3	20	52	13	6	0	0	0	5	0	1	0	1	1
Globorotalia inflata	0	0	1	0	0	6	13	2	58	4	11	4	3	32	9
Globorotalia truncatulinoides (left)	1	1	2	2	0	4	1	0	1	0	1	1	0	0	4
Globorotalia truncatulinoides (right)	6	5	16	27	23	7	12	2	1	8	10	5	5	3	3
Globorotalia crassaformis	2	12	10	1	1	46	31	54	50	36	19	15	41	20	39
P-D intergrade	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Globorotalia hirsuta	0	0	0	0	0	3	0	0	0	0	1	1	3	1	0
Globorotalia scitula	0	0	0	0	0	1	1	3	10	1	0	2	1	1	1
Globorotalia menardii	37	4	21	22	14	5	1	1	0	4	0	0	0	0	0
Candiena nitida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Globigerinita glutinata	27	13	27	16	26	23	16	15	12	25	4	7	12	17	16
Globigerinella pelagica	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
Other	3	0	5	4	2	7	4	9	2	2	2	2	2	8	2

Core Sample	TR126-25 118-120 cm	TR126-26 98-100 cm
Planktonic Foraminifera		
Orbulina universa	30	18
Globigerinoides conglobatus	0	1
Globigerinoides ruber	226	126
Globigerinoides tenellus	19	22
Globigerinoides sacculifera	28	21
Sphaeroidinellus dehiscens	0	0
Globigerinella aequilateralis	52	36
Globigerina calida	4	4
Globigerina bulloides	20	11
Globigerina falconensis	78	64
Globigerina digitata	3	3
Globigerina rubescens	3	11
Globigerina quinqueloba	0	0
Neogloboquadrina pachyderma (right)	1	0
Neogloboquadrina dutertrei	29	4
Pulleniatina obliquiloculata	0	0
Globorotalia inflata	15	6
Globorotalia truncatulinoides (left)	0	0
Globorotalia truncatulinoides (right)	11	0
Globorotalia crassaformis	30	34
P-D intergrade	0	0
Globorotalia hirsuta	0	0
Globorotalia scitula	2	1
Globorotalia menardii	0	0
Candiena nitida	0	0
Globigerinita glutinata	28	30
Globigerinella pelagica	0	0
Other	6	9