Supplement of

Early Paleogene variations in the calcite compensation depth: new constraints using old boreholes across Ninetyeast Ridge in the Indian Ocean

B. S. Slotnick et al.

Correspondence to: B. S. Slotnick (bss2@rice.edu; bsslotnick@gmail.com)

Table 1. Paleomagnetic and nannofossil age estimates for the Paleocene and early Eocene

Age Datum			W-O1 Age [1] (Ma)	GPTS 2004 Age [2] (Ma)	Zone Base
N	Base	<i>Discoaster subloensis</i>	49.5		NP14
N	Top	<i>Tribrachiatus orthostylus</i>	50.7		
E	Base	K/X hyperthermal	52.50		NP12
N	Base	<i>Discoaster lodoensis</i>	53.24	53.11	
N	Top	<i>Discoaster multiradiatus</i>	53.24	53.11	
E	Base	ETM2/H1 hyperthermal	53.73		
N	Top	<i>Tribrachiatus contortus</i>	53.80	53.49	NP11
N	Base	<i>Sphenolithus radians</i>	53.85	53.53	
N	Base	<i>Tribrachiatus orthostylus</i>	54.00	53.67	
N	Base	<i>Tribrachiatus contortus</i>	54.34	54.00	NP10
N	Base	<i>Discoaster diastypus</i>	54.48	54.13	
N	Top	<i>Fasciculithus</i> spp.	55.11	54.71	
N		<i>Fasciculithus</i> decrease	55.47		NP9
N	Crossover	<i>Zygrhablithus bijugatus</i> / <i>Fasciculithus tympaniformis</i>	55.47		
E	Base	PETM hyperthermal	55.53	55.00	
N	Top	<i>Ericsonia robusta</i>	56.66		NP9
N	Base common	<i>Discoaster multiradiatus</i>	56.76	56.01	
N	Top	<i>Discoaster okadai</i>	56.85	56.12	
N	Base	<i>Discoaster okadai</i>	56.95	56.23	
N	Base	<i>Discoaster nobilis</i>	56.97	56.25	NP7
N	Base	<i>Ericsonia robusta</i>	57.04		
N	Top	<i>Heliolithus kleinpellii</i>	58.33	57.42	
N	Base	<i>Discoaster mohleri</i>	58.55	57.57	NP6
N	Top	<i>Heliolithus cantabriae</i>	58.64		
N	Base	<i>Heliolithus kleinpellii</i>	59.02	58.03	NP5*
N	Base	<i>Heliolithus cantabriae</i>	59.37		
N	Base	<i>Fasciculithus tympaniformis</i>	60.90		NP5*
N	Base	<i>Fasciculithus</i> spp.	61.21	60.31	
N	Base	<i>Sphenolithus</i> spp.	61.59	60.74	

Notes:

[1] Ages to the nearest 0.1 Ma as reported by Agnini et al. (2007) and Westerhold et al. (2008); W-O1 = Westerhold Option 1; N = Nannofossil datum; E = Carbon Isotope Excursion datum.

[2] GPTS 2004. Ages slightly differ between papers [e.g.; Agnini et al., (2007) and Westerhold et al. (2008)]

* The actual NP5 start is for *F. tympaniformis* at ca. 60.9 Ma.

Site 213 - Table 2

Core	Section	cm ±1	mbsf	mcd	Type	Nannofossil indicators	Abundance	Preservation	Min. Age (Ma)	Max. Age (Ma)	Zone
14	5	25	129.25	130.24	Presence/Presence	<i>Tribrachiatus orthostylus</i> / <i>Discoaster lodoensis</i>	F	P	50.70	53.24	NP12
14	5	65	129.65	130.64	Presence/Presence	<i>Tribrachiatus orthostylus</i> / <i>Discoaster lodoensis</i>	F	P	50.70	53.24	NP12
14	5	85	129.85	130.84	Presence/Presence	<i>Tribrachiatus orthostylus</i> / <i>Discoaster lodoensis</i>	F	P	50.70	53.24	NP12
14	6	69	131.19	132.18	Presence/Presence	<i>Tribrachiatus orthostylus</i> / <i>Discoaster lodoensis</i>	C	P	50.70	53.24	NP12
15	1	20.5	132.71	134.70		<i>barren</i>					NP12
15	1	101	133.51	135.50		<i>barren</i>					NP12
15	2	31	134.31	136.30	Presence/Presence	<i>Tribrachiatus orthostylus</i> / <i>Discoaster lodoensis</i>	C	P	50.70	53.24	NP12
15	2	71	134.71	136.70	Presence/Presence	<i>Tribrachiatus orthostylus</i> / <i>Discoaster lodoensis</i>	C	P	50.70	53.24	NP12
15	3	3	135.53	137.52	Presence/Presence	<i>Tribrachiatus orthostylus</i> / <i>Discoaster lodoensis</i>	C	P	50.70	53.24	NP12
15	3	41	135.91	137.90	Presence/Presence	<i>Tribrachiatus orthostylus</i> / <i>Discoaster lodoensis</i> (rare)	A	P	50.70	53.24	NP12
15	3	121	136.71	138.70	Presence/Presence	<i>Tribrachiatus orthostylus</i> / <i>Discoaster lodoensis</i> (rare)	A	P	50.70	53.24	NP12
15	4	31	137.32	139.31	Absence / Presence	<i>Discoaster lodoensis</i> / <i>Sphenolithus radians</i>	A	P	53.24	53.85	NP11
15	4	101.5	138.015	140.01	Absence / Presence	<i>Discoaster lodoensis</i> / <i>Sphenolithus radians</i>	A	P	53.24	53.85	NP11
15	5	121	139.71	141.70	Absence / Presence	<i>Tribrachiatus orthostylus</i> / <i>Discoaster diastypus</i>	A	P/M	54.00	54.48	NP10
15	6	54	140.54	142.53	Absence / Presence	<i>Tribrachiatus orthostylus</i> / <i>Discoaster diastypus</i>	A	P/M	54.00	54.48	NP10
16	1	83	142.83	145.82	Presence/Presence	<i>Fasciculithus tympaniformis</i> (few) / <i>Zygrhablithus bijugatus</i>	A	M	55.11	55.47	NP9
16	2	140	144.33	147.89	Presence/Presence	<i>Fasciculithus tympaniformis</i> (few) / <i>Zygrhablithus bijugatus</i>	A	M	55.11	55.47	NP9
16	3	68	145.68	148.67	Presence/Presence	<i>Fasciculithus tympaniformis</i> (few) / <i>Zygrhablithus bijugatus</i>	A	M	55.11	55.47	NP9

Site 214 - Table 3

Core	Section	cm $\pm$ 1	mbsf	mcd	Type	Nannofossil indicators	Abundance	Preservation	Min. Age (Ma)	Max. Age (Ma)	Zone
34	1	51	314.51	314.95	Presence	<i>Tribrachiatus orthostylus</i> / <i>Discoaster lodoensis</i>	A	P	50.70	53.24	NP12
34	2	101	316.51	316.95	Presence	<i>Tribrachiatus orthostylus</i> / <i>Discoaster lodoensis</i>	A	P	50.70	53.24	NP12
34	3	111	318.11	318.55	Presence	<i>Tribrachiatus orthostylus</i> / <i>Discoaster lodoensis</i>	A	P	50.70	53.24	NP12
34	4	41	318.91	319.35	Presence	<i>Tribrachiatus orthostylus</i> / <i>Discoaster lodoensis</i>	A	P	50.70	53.24	NP12
34	6	134.5	322.845	323.285	Presence	<i>Tribrachiatus orthostylus</i> / <i>Discoaster lodoensis</i>	A	P	50.70	53.24	NP12
35	1	16.5	323.665	324.65	Presence	<i>Tribrachiatus orthostylus</i> / <i>Discoaster lodoensis</i>	A	P	50.70	53.24	NP12
35	2	3	325.03	326.02	Presence	<i>Tribrachiatus orthostylus</i> / <i>Discoaster lodoensis</i>	C	P	50.70	53.24	NP12
35	3	39	326.89	327.88	Presence	<i>Tribrachiatus orthostylus</i> / <i>Discoaster lodoensis</i>	C	P	50.70	53.24	NP12
35	4	141	328.41	330.4	Absence / Presence	<i>Discoaster lodoensis</i> / <i>Sphenolithus radians</i>	C	P	53.24	53.85	NP11
36	2	121	335.71	337.7	Presence	<i>Heliolithus kleinpellii</i>	F	P	58.33	59.02	NP6
36	3	129	337.29	339.28	Presence	<i>Heliolithus kleinpellii</i>	C	M	58.33	59.02	NP6
36	4	61	338.11	340.1	Presence	<i>Heliolithus kleinpellii</i>	C	M	58.33	59.02	NP6
37	1	51	343.01	346.02	Absence / Presence	<i>Heliolithus kleinpellii</i> / <i>Heliolithus cantabriae</i>	F	P	59.02	59.25	NP5
38	1	111	353.11	357.09	Absence / Presence	<i>Heliolithus cantabriae</i> / <i>Fasciculithus</i> spp.	F	P	59.25	60.85	NP5
38	2	81	354.31	358.3	Absence / Presence	<i>Heliolithus cantabriae</i> / <i>Fasciculithus</i> spp.	F	P	59.25	60.85	NP5
38	3	9.5	355.095	359.085	Absence / Presence	<i>Heliolithus cantabriae</i> / <i>Fasciculithus tympaniformis</i>	F	P	59.25	60.85	NP5
38	4	98.5	357.485	361.475	Presence	<i>Fasciculithus</i> spp.	F	P	59.25	61.21	NP4-5
39	1	114.5	362.645	367.635	Presence	<i>Fasciculithus</i> spp.	F	P	59.25	61.21	NP4-5
39	2	38.5	363.385	368.375	Presence	<i>Fasciculithus</i> spp.	F	P	59.25	61.21	NP4-5
39	3	51	365.01	370	Presence	<i>Fasciculithus</i> spp.	F	P	59.25	61.21	NP4-5

Site 215 - Table 4

Core	Section	cm ±1	mbsf	mcd	Type	Nannofossil indicators	Abundance	Preservation	Min. Age (Ma)	Max. Age (Ma)	Zone
9	3	82	77.82	78.82	Presence	<i>Tribrachiatus orthostylus</i> / <i>Discoaster lodoensis</i>	F	P	50.70	53.24	NP12
9	3	106	78.06	79.05	Presence	<i>Tribrachiatus orthostylus</i> / <i>Discoaster lodoensis</i>	F	P	50.70	53.24	NP12
9	3	141	78.41	79.4	Presence	<i>Tribrachiatus orthostylus</i> / <i>Discoaster lodoensis</i>	F	P	50.70	53.24	NP12
10	1	141	84.91	86.9	Presence	<i>Tribrachiatus orthostylus</i> / <i>Discoaster lodoensis</i>	A	P	50.70	53.24	NP12
10	2	109	86.09	88.08	Absence / Presence	<i>Discoaster lodoensis</i> / <i>Sphenolithus radians</i>	A	P	53.24	53.85	NP11
10	3	*42,5	86.925	88.9	Absence / Presence	<i>Tribrachiatus orthostylus</i> / <i>Discoaster diastypus</i>	A	M	54.00	54.48	NP10
11	2	*80,5	95.305	98.3	Absence / Presence	<i>Tribrachiatus orthostylus</i> / <i>Discoaster diastypus</i>	A	M	54.00	54.48	NP10
11	4	20	97.7	100.69	Absence	<i>Discoaster diastypus</i> / <i>Fasciculithus tympaniformis</i>	A	M	54.48	55.11	NP9
11	5	111	100.11	103.1	Presence	<i>Fasciculithus tympaniformis</i> (few) / <i>Zygrhablithus bijugatus</i>	A	M	55.11	55.47	NP9
11	6	138.5	101.885	104.875	Presence	<i>Fasciculithus tympaniformis</i> (few) / <i>Zygrhablithus bijugatus</i>	A	M	55.11	55.47	NP9
12	2	141	105.41	109.4	Presence / Absence	Diverse <i>Fasciculithus</i> spp. / <i>Ericsonia robusta</i>	A	M	55.53	56.64	NP9
12	3	21	105.71	109.7	Presence / Absence	Diverse <i>Fasciculithus</i> spp. / <i>Ericsonia robusta</i>	A	M	55.53	56.64	NP9
12	5	142	109.92	113.91	Presence / Absence	Diverse <i>Fasciculithus</i> spp. / <i>Ericsonia robusta</i>	A	M	55.53	56.64	NP9
12	6	141	111.41	115.4	Presence / Absence	Diverse <i>Fasciculithus</i> spp. / <i>Ericsonia robusta</i>	A	M	55.53	56.64	NP9
13	2	3	113.53	118.53	Presence	<i>Ericsonia robusta</i> / <i>Discoaster multiradiatus</i>	A	M	56.64	56.76	NP9
13	3	43	115.43	120.43	Absence / Presence	<i>Discoaster multiradiatus</i> / <i>Ericsonia robusta</i>	A	M	56.76	56.86	NP7-8
13	4	104	117.54	122.54	Absence / Presence	<i>Discoaster multiradiatus</i> / <i>Ericsonia robusta</i>	A	M	56.76	56.86	NP7-8
14	1	15	121.65	127.64	Absence / Presence	<i>Discoaster multiradiatus</i> / <i>Ericsonia robusta</i>	A	M	56.76	56.86	NP7-8
14	2	103	124.03	130.02	Absence / Presence	<i>Ericsonia robusta</i> / <i>Discoster mohleri</i>	A	M	56.86	58.55	NP7-8
14	4	40.5	126.405	132.395	Absence / Presence	<i>Ericsonia robusta</i> / <i>Discoster mohleri</i>	A	M	56.86	58.55	NP7-8
14	5	11	127.61	133.6	Absence / Presence	<i>Ericsonia robusta</i> / <i>Discoster mohleri</i>	A	M	56.86	58.55	NP7-8
14	5	131	128.81	134.8	Absence / Presence	<i>Ericsonia robusta</i> / <i>Discoster mohleri</i>	A	M	56.86	58.55	NP7-8
14	6	101	130.01	136	Absence / Presence	<i>Ericsonia robusta</i> / <i>Discoster mohleri</i>	A	M	56.86	58.55	NP7-8

Table 5 - Site 213

Core	Section	Top (cm)	Bottom (cm)	Mid (cm)	mbsf	mcd	d13C	d18O	CaCO3 (%)	Source
13	1	30	32	31	113.80	113.80			1.12	This Study
13	1	80	82	81	114.30	114.30			1.11	This Study
13	1	130	132	131	114.80	114.80			1.28	This Study
13	2	30	32	31	115.30	115.30			1.06	This Study
13	2	80.5	82.5	81.5	115.81	115.81			1.03	This Study
13	2	130	132	131	116.30	116.30			1.19	This Study
13	3	30	32	31	116.80	116.80			1.06	This Study
13	3	80	82	81	117.30	117.30			1.27	This Study
13	3	130	132	131	117.80	117.80			1.09	This Study
13	4	30	32	31	118.30	118.30			1.22	This Study
13	4	80	82	81	118.80	118.80			1.13	This Study
13	4	130.0	132	131	119.30	119.30			0.88	This Study
13	5	30	32	31	119.80	119.80			0.93	This Study
13	5	80	82	81	120.30	120.30			1.40	This Study
13	5	130	132	131	120.80	120.80			0.82	This Study
13	6	30	32	31	121.30	121.30			1.04	This Study
13	6	80	82	81	121.80	121.80			1.00	This Study
13	6	124.5	126.5	125.5	122.25	122.25			0.75	This Study
14	1	20	22	21	123.20	124.20			1.10	This Study
14	1	60	62	61	123.60	124.60			0.90	This Study
14	1	100	102	101	124.00	125.00			1.77	This Study
14	1	139.5	141.5	140.5	124.40	125.40			0.87	This Study
14	2	30	32	31	124.80	125.80			0.65	This Study
14	2	70	72	71	125.20	126.20			0.84	This Study
14	2	110	112	111	125.60	126.60			0.90	This Study
14	3	2	4	3	126.02	127.02			1.14	This Study
14	3	40	42	41	126.40	127.40			0.82	This Study
14	3	80	82	81	126.80	127.80			1.52	This Study
14	3	120	122	121	127.20	128.20			0.74	This Study
14	4	10	12	11	127.60	128.60			1.26	This Study
14	4	50	52	51	128.00	129.00			0.75	This Study
14	4	90	92	91	128.40	129.40			0.88	This Study
14	4	130	132	131	128.80	129.80			0.73	This Study
14	5	8	10	9	129.08	130.08	2.12	-1.20	18.73	This Study
14	5	24	26	25	129.24	130.24	2.18	-1.93	21.45	This Study
14	5	36	38	37	129.36	130.36	1.95	-1.60	29.20	This Study
14	5	50	52	51	129.50	130.50	1.97	-1.60	39.83	This Study
14	5	64	66	65	129.64	130.64	1.87	-1.73	44.30	This Study
14	5	74	76	75	129.74	130.74	1.68	-1.40	16.90	This Study
14	5	84	86	85	129.84	130.84	2.03	-1.73	35.95	This Study
14	5	100	102	101	130.00	131.00	1.86	-1.59	30.44	This Study
14	5	120	122	121	130.20	131.20	1.59	-1.28	24.72	This Study
14	5	138	140	139	130.38	131.38	1.50	-1.48	11.36	This Study
14	6	28	30	29	130.78	131.78	2.07	-1.41	42.86	This Study
14	6	68	70	69	131.18	132.18	2.07	-0.88	65.17	This Study
14	6	94	96	95	131.44	132.44	1.62	-1.82	64.99	This Study
14	6	134	136	135	131.84	132.84	1.73	-1.29	73.04	This Study
15	1	1	3	2	132.91	134.50			2.32	This Study
15	1	10	12	11	133.00	134.60			1.78	This Study
15	1	19.5	21.5	20.5	133.14	134.70	1.17	-0.76	2.47	This Study
15	1	30	32	31	133.20	134.80			3.96	This Study
15	1	40	42	41	133.30	134.90			2.25	This Study

15	1	50	52	51	133.40	135.00	1.70	-1.00	6.70	This Study
15	1	60	62	61	133.54	135.10	1.64	-2.49	5.60	This Study
15	1	79	82	80.5	133.74	135.30	1.98	-1.07	7.35	This Study
15	1	100	102	101	133.94	135.50	1.91	-1.63	6.98	This Study
15	1	140	142	141	134.34	135.90	1.88	-1.34	20.64	This Study
15	2	30	32	31	134.74	136.30	1.79	-2.17	35.64	This Study
15	2	70	72	71	135.14	136.70	1.79	-1.16	61.67	This Study
15	2	110	112	111	135.54	137.10	1.86	-1.13	60.70	This Study
15	3	2	4	3	135.96	137.52	1.64	-1.19	57.02	This Study
15	3	10	12	11	136.04	137.60	1.78	-0.83	74.17	This Study
15	3	20	22	21	136.14	137.70	1.71	-1.14	37.85	This Study
15	3	29	31	30	135.23	137.79	1.80	-0.90	44.48	This Study
15	3	40	42	41	136.34	137.90	1.70	-1.23	78.59	This Study
15	3	60	62	61	136.54	138.10	1.78	-0.96	88.50	This Study
15	3	78	80	79	136.72	138.28	1.55	-1.74	84.68	This Study
15	3	100	102	101	136.94	138.50	1.62	-0.90	81.52	This Study
15	3	120	122	121	137.14	138.70	1.59	-0.96	83.79	This Study
15	3	140	142	141	137.34	138.90	1.53	-0.80	78.87	This Study
15	4	10	12	11	137.54	139.10	1.35	-1.49	26.22	This Study
15	4	21	23	22	137.65	139.21	1.39	-1.08	76.66	This Study
15	4	30	32	31	137.74	139.30	1.40	-1.51	58.17	This Study
15	4	40.5	42.5	41.5	137.85	139.41	1.52	-1.06	85.08	This Study
15	4	48.5	50.5	49.5	137.93	139.49	1.52	-1.02	81.43	This Study
15	4	59	61	60	138.03	139.59	1.38	-2.05	74.96	This Study
15	4	66	68	67	138.10	139.66	1.46	-1.31	70.16	This Study
15	4	79	81	80	138.23	139.79	1.37	-1.16	39.51	This Study
15	4	89	91	90	138.33	139.89	1.68	-1.57	83.35	This Study
15	4	100.5	102.5	101.5	138.45	140.01	1.58	-1.69	83.20	This Study
15	4	110	112	111	138.54	140.10	1.68	-0.96	85.29	This Study
15	4	125	127	126	138.69	140.25	1.69	-1.07	70.98	This Study
15	4	140	142	141	138.84	140.40	1.74	-1.19	86.34	This Study
15	5	5	7	6	138.99	140.55	1.59	-1.21	87.08	This Study
15	5	39.5	41.5	40.5	139.34	140.90	1.60	-2.16	84.88	This Study
15	5	80	82	81	139.74	141.30	1.67	-1.37	86.53	This Study
15	5	120	122	121	140.14	141.70	1.74	-1.30	86.78	This Study
15	6	10	12	11	140.54	142.10	2.01	-0.95	90.13	This Study
15	6	53	55	54	140.97	142.53	2.14	-1.52	90.93	This Study
15	6	90	92	91	141.34	142.90	2.00	-1.32	88.69	This Study
16	1	80	83	81.5	142.78	145.82	2.21	-1.08	91.23	Ravizza et al., 2001
16	1	82	84	83	142.82	145.82	2.16	-1.19		This Study
16	1	91	95	93	142.89	145.93	2.17	-1.10	85.34	Ravizza et al., 2001
16	1	102	106	104	143.00	146.04	2.13	-1.10		Ravizza et al., 2001
16	1	110	113	111.5	143.08	146.12	2.08	-1.15		Ravizza et al., 2001
16	1	121	124	122.5	143.19	146.23	2.08	-1.19		Ravizza et al., 2001
16	1	131	134	132.5	143.29	146.33	2.12	-1.18		Ravizza et al., 2001
16	1	137	139	138	143.37	146.37	2.14	-1.25		This Study
16	1	141	144	142.5	143.39	146.43	2.16	-1.01		Ravizza et al., 2001
16	2	8	12	10	143.57	146.60	2.20	-1.07	89.97	Ravizza et al., 2001
16	2	28	32	30	143.77	146.80	2.23	-0.94		Ravizza et al., 2001
16	2	42	46	44	143.91	146.94	2.19	-0.93		Ravizza et al., 2001
16	2	50	54	52	143.99	147.02	2.27			Ravizza et al., 2001
16	2	61	65	63	144.10	147.13	2.10	-1.18		Ravizza et al., 2001
16	2	65	67	66	144.15	147.15	2.18	-1.32		This Study
16	2	69	73	71	144.18	147.21	2.25	-0.79		Ravizza et al., 2001

16	2	80	84	82	144.29	147.32	2.21	-0.88		Ravizza et al., 2001
16	2	90	94	92	144.39	147.42	2.22	-0.77		Ravizza et al., 2001
16	2	100	104	102	144.49	147.52	2.20	-0.78		Ravizza et al., 2001
16	2	111	115	113	144.60	147.63	2.17	-0.78		Ravizza et al., 2001
16	2	120	124	122	144.69	147.72	2.18	-0.77		Ravizza et al., 2001
16	2	130	134	132	144.79	147.82	2.19	-0.83		Ravizza et al., 2001
16	2	139	141	140	144.89	147.89	2.09	-1.18	90.85	This Study
16	2	140	144	142	144.89	147.92	2.17	-0.77		Ravizza et al., 2001
16	3	0	4	2	144.98	148.02	2.16	-0.74		Ravizza et al., 2001
16	3	15	19	17	145.13	148.17	2.14	-0.71		Ravizza et al., 2001
16	3	22	26	24	145.20	148.24	2.14	-0.75		Ravizza et al., 2001
16	3	32	36	34	145.30	148.34	2.14	-0.78		Ravizza et al., 2001
16	3	42	46	44	145.40	148.44	2.03	-0.91		Ravizza et al., 2001
16	3	52	56	54	145.50	148.54	2.02	-0.82		Ravizza et al., 2001
16	3	62	66	64	145.60	148.64	2.07	-0.75		Ravizza et al., 2001
16	3	67	69	68	145.67	148.67	2.10	-0.71	91.43	This Study
16	3	80	84	82	145.78	148.82	2.10	-0.67		Ravizza et al., 2001
16	3	91	95	93	145.89	148.93	2.08	-0.61		Ravizza et al., 2001
16	3	100	104	102	145.98	149.02	2.04	-0.67		Ravizza et al., 2001
16	3	111	115	113	146.09	149.13	2.06	-0.64		Ravizza et al., 2001
16	3	121	125	123	146.19	149.23	2.05	-0.62		Ravizza et al., 2001
16	3	131	135	133	146.29	149.33	2.03	-0.71		Ravizza et al., 2001
16	3	133	135	134	146.33	149.33	2.04	-0.83	89.12	This Study
16	4	7	8	7.5	146.55	149.55	2.02	-0.90	102.83	This Study
16	4	10	14	12	146.58	149.62	1.99	-0.75		Ravizza et al., 2001
16	4	20	24	22	146.68	149.72	1.95	-0.82		Ravizza et al., 2001
16	4	31	35	33	146.79	149.83	1.96	-0.73		Ravizza et al., 2001
16	4	40	44	42	146.88	149.92	1.92	-0.78		Ravizza et al., 2001
16	4	50	51	50.5	146.98	149.98	1.73	-1.01	100.42	This Study
16	4	50	54	52	146.98	150.02	1.63	-0.93		Ravizza et al., 2001
16	4	61	65	63	147.09	150.13	1.60	-0.94		Ravizza et al., 2001
16	4	71	75	73	147.19	150.23	1.72	-0.78		Ravizza et al., 2001
16	4	81	85	83	147.29	150.33	1.40	-1.21		Ravizza et al., 2001
16	4	91	95	93	147.39	150.43	1.42	-1.11		Ravizza et al., 2001
16	4	101	105	103	147.49	150.53	1.10	-1.54		Ravizza et al., 2001
16	4	111	115	113	147.59	150.63	1.05	-1.56		Ravizza et al., 2001
16	4	122	126	124	147.70	150.74	0.92	-1.89		Ravizza et al., 2001
16	4	130	134	132	147.78	150.82	0.83	-0.52		Ravizza et al., 2001
16	4	135	136	135.5	147.83	150.83	0.69	-2.05	19.87	This Study
16	4	135	136	135.5	147.83	150.83			19.75	This Study
16	CC	N/A	N/A		148.18	151.18			2.74	This Study

Table 6 - Site 214

Core	Section	Top (cm)	Bottom (cm)	Mid (cm)	mbsf	mcd	d ¹³ C	d ¹⁸ O	CaCO ₃ (%)	Source
34	1	10	12	11	314.55	314.55	1.86	-0.51	91.89	This Study
34	1	50	52	51	314.95	314.95	1.82	-0.29	93.22	This Study
34	1	90	92	91	315.35	315.35	1.71	-0.74	93.21	This Study
34	1	130	132	131	315.75	315.75	1.84	-0.49	92.84	This Study
34	2	20	22	21	316.15	316.15	1.86	-0.38	95.03	This Study
34	2	60	62	61	316.55	316.55	1.93	-0.44	92.73	This Study
34	2	100	102	101	316.95	316.95	1.97	-0.35	92.03	This Study
34	2	140	142	141	317.35	317.35	1.86	-0.42	93.88	This Study
34	3	30	32	31	317.75	317.75	1.74	-0.51	93.51	This Study

34	3	70	72	71	318.15	318.15	1.75	-0.71	93.45	This Study
34	3	110	112	111	318.55	318.55	1.72	-0.52	93.28	This Study
34	4	3	5	4	318.98	318.98	1.81	-0.56	93.30	This Study
34	4	40	42	41	319.35	319.35	1.83	-0.58	93.05	This Study
34	4	80	82	81	319.75	319.75	1.85	-0.48	91.98	This Study
34	4	120	122	121	320.15	320.15	1.73	-0.89	93.43	This Study
34	5	10	12	11	320.55	320.55	1.76	-0.52	92.86	This Study
34	5	50	52	51	320.95	320.95	1.70	-0.66	93.78	This Study
34	5	90	92	91	321.35	321.35	1.72	-0.61	92.99	This Study
34	5	130	132	131	321.75	321.75	1.70	-0.68	92.26	This Study
34	6	20	22	21	322.15	322.15	1.77	-0.62	92.80	This Study
34	6	60	62	61	322.55	322.55	1.76	-0.67	92.89	This Study
34	6	99	101	100	322.94	322.94	1.67	-0.75	93.34	This Study
34	6	133.5	135.5	134.5	323.29	323.29	1.72	-0.84	92.02	This Study
35	1	4	6	5	323.54	324.54	1.16	-0.97	92.93	This Study
35	1	15	18	16.5	323.65	324.65	1.32	-0.85	90.53	This Study
35	1	33	36	34.5	323.83	324.83	1.35	-0.85	90.17	This Study
35	1	49	51	50	323.99	324.99	1.03	-0.88	91.16	This Study
35	1	64	66	65	324.14	325.14	1.04	-0.97	90.74	This Study
35	1	80	82	81	324.30	325.30	1.03	-0.92	90.07	This Study
35	1	98	100	99	324.48	325.48	1.11	-0.77	91.36	This Study
35	1	110	112	111	324.60	325.60	1.14	-0.84	90.10	This Study
35	1	123.5	125.5	124.5	324.74	325.74	1.07	-1.03	90.48	This Study
35	1	140	142	141	324.90	325.90	1.05	-0.84	89.97	This Study
35	2	2	4	3	325.02	326.02	1.07	-0.79	91.17	This Study
35	2	13	15	14	325.13	326.13	1.05	-1.22	89.10	This Study
35	2	28	30	29	325.28	326.28	1.08	-0.85	87.49	This Study
35	2	39	41	40	325.39	326.39	1.11	-0.79	87.31	This Study
35	2	44	46	45	325.44	326.44	1.11	-0.92	88.00	This Study
35	2	60	62	61	325.60	326.60	1.15	-0.86	86.98	This Study
35	2	80	82	81	325.80	326.80	1.08	-0.87	86.28	This Study
35	2	100	102	101	326.00	327.00	1.08	-0.85	85.25	This Study
35	2	120	122	121	326.20	327.20	1.10	-0.90	85.80	This Study
35	2	138	140	139	326.38	327.38	1.09	-0.86	85.90	This Study
35	2	146	148	147	326.46	327.46	1.02	-0.91	86.21	This Study
35	3	0	2	1	326.50	327.50	0.99	-1.07	87.96	This Study
35	3	24	26	25	326.74	327.74	0.91	-0.83	86.85	This Study
35	3	38	40	39	326.88	327.88	0.96	-0.94	86.75	This Study
35	3	50	52	51	327.00	328.00	0.93	-0.81	87.55	This Study
35	3	64	66	65	327.14	328.14	0.95	-0.82	87.53	This Study
35	3	74	76	75	327.24	328.24	0.91	-0.83	85.59	This Study
35	3	84	86	85	327.34	328.34	1.00	-0.76	87.01	This Study
35	3	100	102	101	327.50	328.50	0.89	-0.83	88.35	This Study
35	3	114	116	115	327.64	328.64	1.00	-0.94	88.79	This Study
35	3	128	130	129	327.78	328.78	0.90	-0.80	86.78	This Study
35	3	146	148	147	327.96	328.96	0.95	-0.77	87.91	This Study
35	4	20	22	21	328.20	329.20	0.95	-0.79	85.83	This Study
35	4	40	42	41	328.40	329.40	0.92	-1.21	87.83	This Study
35	4	60	62	61	328.60	329.60	0.92	-1.25	84.70	This Study
35	4	100	102	101	329.00	330.00	0.90	-0.77	81.53	This Study
35	4	140	142	141	329.40	330.40	0.92	-1.40	75.99	This Study
35	4	145	147	146	329.45	330.45	1.02	-0.87	76.20	This Study
35	cc				329.74	330.74	1.10	-0.91	73.83	This Study
36	1	109	111	110	334.09	336.09	0.63	0.11	50.19	This Study

36	1	146	148	147	334.46	336.46	0.53	-0.01	41.29	This Study
36	2	40	42	41	334.90	336.90	1.65	-0.82	20.65	This Study
36	2	80	82	81	335.30	337.30	1.47	-0.59	21.09	This Study
36	2	120	122	121	335.70	337.70	1.33	-1.00	20.18	This Study
36	3	10	12	11	336.10	338.10	1.28	-0.60	22.99	This Study
36	3	50	52	51	336.50	338.50	1.27	-0.52	21.29	This Study
36	3	90	92	91	336.90	338.90	1.40	-0.49	18.32	This Study
36	3	128	130	129	337.28	339.28	1.46	-0.69	19.89	This Study
36	4	20	22	21	337.70	339.70	1.39	-0.52	19.97	This Study
36	4	60	62	61	338.10	340.10	0.31	-0.65	22.52	This Study
36	4	100	102	101	338.50	340.50	0.93	-0.48	17.68	This Study
36	4	136	138	137	338.86	340.86	0.24	-0.51	44.49	This Study
37	1	11	13	12	342.61	345.61	1.16	-0.47	21.00	This Study
37	1	52	54	53	343.02	346.02	0.08	-0.32	64.75	This Study
37	1	90	92	91	343.40	346.40	0.87	-0.09	51.52	This Study
37	1	130	132	131	343.80	346.80	0.85	-0.50	47.97	This Study
37	2	20	22	21	344.20	347.20	0.92	-0.19	46.12	This Study
37	2	60	62	61	344.60	347.60	0.94	-0.11	47.54	This Study
37	2	100	102	101	345.00	348.00	0.84	-0.20	53.50	This Study
37	2	138	140	139	345.38	348.38	0.69	-0.42	62.72	This Study
38	1	109	111	110	353.09	357.09	-0.84	-0.51	60.50	This Study
38	2	40	42	41	353.90	357.90	-0.62	-0.53	48.52	This Study
38	2	80	82	81	354.30	358.30	-0.78	-0.26	43.46	This Study
38	2	120	122	121	354.70	358.70	-0.57	-0.55	56.91	This Study
38	3	8.5	10.5	9.5	355.09	359.09	0.26	-0.58	49.43	This Study
38	3	51	52	51.5	355.51	359.51	-0.74	-0.34	53.13	This Study
38	3	91	92	91.5	355.91	359.91	-0.06	-0.27	56.60	This Study
38	3	130	132	131	356.30	360.30	-0.86	-0.61	52.46	This Study
38	4	20	22	21	356.70	360.70	-1.28	-0.75	47.05	This Study
38	4	60	62	61	357.10	361.10	-0.73	-0.33	45.62	This Study
38	4	97.5	99.5	98.5	357.48	361.48	-0.39	-0.72	45.49	This Study
38	4	140	142	141	357.90	361.90	-1.84	-0.58	40.73	This Study
39	1	113.5	115.5	114.5	362.64	367.64	1.60	-1.41	38.52	This Study
39	2	2	4	3	363.02	368.02	-1.88	-1.03	38.53	This Study
39	2	37.5	39.5	38.5	363.38	368.38	-2.89	-0.39	37.00	This Study
39	2	80	82	81	363.80	368.80	-2.32	-0.69	22.47	This Study
39	2	120	122	121	364.20	369.20	-3.09	-1.33	18.50	This Study
39	3	9.5	11.5	10.5	364.60	369.60	-4.34	-1.42	14.40	This Study
39	3	50	52	51	365.00	370.00	-5.90	-0.88	20.98	This Study
39	3	90	92	91	365.40	370.40	-5.16	-1.52	12.51	This Study
39	3	130	132	131	365.80	370.80	-2.36	-0.60	4.14	This Study

Table 7 - Site 215

Core	Section	Top (cm)	Bottom (cm)	Mid (cm)	mbsf	mcd	d13C	d18O	CaCO3 (%)	Source
8	1	87	89	88	65.37	65.37			1.42	This Study
8	1	134	136	135	65.84	65.84			1.22	This Study
8	2	54	56	55	66.54	66.54			1.45	This Study
8	2	124	126	125	67.24	67.24			2.40	This Study
8	3	52	54	53	68.02	68.02			1.35	This Study
8	3	130	132	131	68.80	68.80			1.05	This Study
8	4	29	31	30	69.29	69.29			1.43	This Study
8	4	117	119	118	70.17	70.17			1.19	This Study
8	5	74	76	75	71.24	71.24			1.30	This Study

9	1	29	31	30	74.29	75.29			1.17	This Study
9	1	60	62	61	74.60	75.60			2.04	This Study
9	1	100	102	101	75.00	76.00			1.26	This Study
9	1	140	142	141	75.40	76.40			0.96	This Study
9	2	30	32	31	75.80	76.80			1.56	This Study
9	2	70	72	71	76.20	77.20			1.38	This Study
9	2	110	112	111	76.60	77.60			1.51	This Study
9	3	5	7	6	77.05	78.05			1.35	This Study
9	3	21	23	22	77.21	78.21			1.21	This Study
9	3	40	42	41	77.40	78.40			1.24	This Study
9	3	60	62	61	77.60	78.60			1.33	This Study
9	3	82	84	83	77.82	78.82	2.00	-0.75	13.64	This Study
9	3	105	107	106	78.05	79.05	2.03	-1.21	65.70	This Study
9	3	120	122	121	78.20	79.20	1.97	-0.57	65.34	This Study
9	3	140	142	141	78.40	79.40	1.71	-1.41	76.47	This Study
10	1	110	112	111	84.60	86.60	1.08	-0.73	87.79	This Study
10	1	120	122	121	84.70	86.70	1.26	-1.34	85.03	This Study
10	1	130.5	132.5	131.5	84.81	86.81	1.36	-0.82	83.51	This Study
10	1	140	142	141	84.90	86.90	1.21	-0.82	84.42	This Study
10	2	10	12	11	85.10	87.10	1.30	-1.43	86.43	This Study
10	2	32	34	33	85.32	87.32	1.33	-1.67	91.32	This Study
10	2	47	49	48	85.47	87.47	1.44	-0.56	91.03	This Study
10	2	70	72	71	85.70	87.70	1.40	-0.63	90.34	This Study
10	2	90	92	91	85.90	87.90	1.40	-1.22	93.40	This Study
10	2	108	110	109	86.08	88.08	1.32	-0.61	89.09	This Study
10	2	129	131	130	86.29	88.29	1.19	-0.82	91.19	This Study
10	3	27	29	28	86.77	88.77	1.47	-0.88	93.07	This Study
10	3	40.0	42	41	86.90	88.90	1.43	-1.07	92.42	This Study
10	3	60	62	61	87.10	89.10	1.43	-0.86	90.33	This Study
10	3	80	82	81	87.30	89.30	1.48	-0.80	87.27	This Study
10	3	100	102	101	87.50	89.50	1.63	-0.73	90.17	This Study
10	3	118	120	119	87.68	89.68	1.37	0.15	88.33	This Study
10	3	140	142	141	87.90	89.90	1.66	-0.85	89.33	This Study
11	1	21	23	22	93.21	96.21	1.90	-0.65	91.46	This Study
11	1	40	42	41	93.40	96.40	1.82	-0.63	89.43	This Study
11	1	60	62	61	93.60	96.60	1.91	-0.64	86.79	This Study
11	1	79.0	81	80	93.79	96.79	1.88	-1.15	88.65	This Study
11	1	79	81	80	93.79	96.79	1.91	-0.64	89.92	This Study
11	1	100	102	101	94.00	97.00	1.89	-0.90	86.12	This Study
11	1	120	122	121	94.20	97.20	1.88	-0.64	88.14	This Study
11	1	140	142	141	94.40	97.40	1.87	-0.94	90.98	This Study
11	2	3	5	4	94.53	97.53	1.87	-0.72	89.78	This Study
11	2	20	22	21	94.70	97.70	1.87	-1.11	89.12	This Study
11	2	50	52	51	95.00	98.00	1.88	-1.29	92.38	This Study
11	2	80	82	81	95.30	98.30	1.91	-0.78	88.73	This Study
11	2	107	109	108	95.57	98.57	2.35	-1.78	86.69	This Study
11	2	138	140	139	95.88	98.88	1.91	-0.79	89.98	This Study
11	3	22	24	23	96.22	99.22	1.93	-0.53	91.52	This Study
11	3	50	52	51	96.50	99.50	1.93	-0.98	90.09	This Study
11	3	78	80	79	96.78	99.78	1.93	-1.13	91.18	This Study
11	3	110	112	111	97.10	100.10	1.94	-1.12	88.73	This Study
11	3	140	142	141	97.40	100.40	1.88	-0.75	91.36	This Study
11	4	19	21	20	97.69	100.69	2.04	-0.92	90.22	This Study
11	4	48	50	49	97.98	100.98	1.83	-2.09	90.67	This Study

11	4	80	82	81	98.30	101.30	1.74	-0.72	92.18	This Study
11	4	110	112	111	98.60	101.60	2.04	-0.85	90.51	This Study
11	4	140	142	141	98.90	101.90	2.01	-0.63	92.18	This Study
11	5	20	22	21	99.20	102.20	2.06	-0.68	91.08	This Study
11	5	48	50	49	99.48	102.48	1.85	-1.36	90.08	This Study
11	5	77.5	79.5	78.5	99.78	102.78	1.88	-0.75	90.32	This Study
11	5	110	112	111	100.10	103.10	1.89	-1.05	93.23	This Study
11	5	130.5	132.5	131.5	100.31	103.31	1.86	-1.10	96.58	This Study
11	6	18	20	19	100.68	103.68	2.55	1.31	90.33	This Study
11	6	49	51	50	100.99	103.99	1.89	-1.20	92.03	This Study
11	6	77	79	78	101.27	104.27	1.80	-0.77	92.65	This Study
11	6	108	110	109	101.58	104.58	2.02	-0.52	92.38	This Study
11	6	137.5	139.5	138.5	101.88	104.88	1.77	-1.36	86.63	This Study
12	1	20	22	21	102.70	106.70	1.91	-0.61	89.81	This Study
12	1	40	42	41	102.90	106.90	2.25	-0.87	87.61	This Study
12	1	60	62	61	103.10	107.10	2.56	-0.73	88.14	This Study
12	1	77	79	78	103.27	107.27	2.53	-0.67	90.57	This Study
12	1	87	89	88	103.37	107.37	2.30	-1.57	89.15	This Study
12	1	97	99	98	103.47	107.47	2.33	-0.79	88.05	This Study
12	1	107	109	108	103.57	107.57	2.22	-0.70	90.21	This Study
12	1	115	117	116	103.65	107.65	2.51	-0.55	90.04	This Study
12	1	127	129	128	103.77	107.77	2.38	-0.65	94.68	This Study
12	1	136	138	137	103.86	107.86	2.21	-0.92	90.53	This Study
12	2	2	4	3	104.02	108.02	2.34	-0.93	89.12	This Study
12	2	10	12	11	104.10	108.10	2.20	-0.72	89.33	This Study
12	2	20	22	21	104.20	108.20	2.28	-1.03	88.00	This Study
12	2	30	32	31	104.30	108.30	2.27	-0.70	87.24	This Study
12	2	40	42	41	104.40	108.40	2.13	0.33	87.23	This Study
12	2	48	50	49	104.48	108.48	2.37	-0.55	92.66	This Study
12	2	60	62	61	104.60	108.60	2.37	-0.62	88.58	This Study
12	2	70	72	71	104.70	108.70	2.37	-0.70	88.41	This Study
12	2	80	82	81	104.80	108.80	2.25	-0.81	87.81	This Study
12	2	90	92	91	104.90	108.90	2.17	-0.70	85.22	This Study
12	2	100	102	101	105.00	109.00	2.19	-0.77	83.54	This Study
12	2	110.0	112	111	105.10	109.10	2.44	-0.62	89.32	This Study
12	2	120	122	121	105.20	109.20	2.10	-0.65	90.54	This Study
12	2	130	132	131	105.30	109.30	2.06	-0.66	89.40	This Study
12	2	140	142	141	105.40	109.40	2.43	-0.87	88.04	This Study
12	3	20	22	21	105.70	109.70	2.27	-0.63	87.21	This Study
12	3	51	53	52	106.01	110.01	2.48	-0.54	88.85	This Study
12	3	80	82	81	106.30	110.30	2.47	-0.64	88.49	This Study
12	3	110	112	111	106.60	110.60	2.55	-0.58	90.00	This Study
12	3	140	142	141	106.90	110.90	2.59	-0.56	89.37	This Study
12	4	20	22	21	107.20	111.20	2.60	-1.11	89.18	This Study
12	4	50	52	51	107.50	111.50	2.49	-1.68	91.22	This Study
12	4	77	79	78	107.77	111.77	2.65	-1.30	90.04	This Study
12	4	108	110	109	108.08	112.08	2.78	-0.76	90.78	This Study
12	4	140	142	141	108.40	112.40	2.54	-0.55	91.62	This Study
12	5	20	22	21	108.70	112.70	2.59	-0.62	91.09	This Study
12	5	50	52	51	109.00	113.00	2.26	-0.66	90.06	This Study
12	5	80	82	81	109.30	113.30	2.81	-0.40	89.48	This Study
12	5	110	112	111	109.60	113.60	2.81	-0.51	91.50	This Study
12	5	141	143	142	109.91	113.91	2.79	-0.53	91.24	This Study
12	6	20	22	21	110.20	114.20	2.79	-1.05	92.43	This Study

12	6	52	54	53	110.52	114.52	2.65	-1.06	90.42	This Study
12	6	80	82	81	110.80	114.80	2.77	-0.62	91.45	This Study
12	6	110	112	111	111.10	115.10	2.64	-0.96	91.76	This Study
12	6	140	142	141	111.40	115.40	2.73	-0.80	87.77	This Study
13	1	118	120	119	113.18	118.18	3.20	-0.61	90.93	This Study
13	1	134	136	135	113.34	118.34	3.35	-1.08	90.63	This Study
13	1	134	136	135	113.34	118.34	3.07	-0.62	90.77	This Study
13	1	142	144	143	113.42	118.42	3.41	-0.45	94.19	This Study
13	2	2	4	3	113.53	118.53	3.45	-0.44	93.08	This Study
13	2	12.5	14.5	13.5	113.64	118.64	3.60	-0.47	91.71	This Study
13	2	22	24	23	113.73	118.73	3.62	-0.39	93.05	This Study
13	2	30.5	32.5	31.5	113.82	118.82	3.36	-0.47	93.09	This Study
13	2	42	44	43	113.93	118.93	3.26	-0.49	91.94	This Study
13	2	52	54	53	114.03	119.03	3.22	-0.90	90.41	This Study
13	2	62	64	63	114.13	119.13	3.22	-0.72	89.26	This Study
13	2	72	74	73	114.23	119.23	2.95	-1.72	89.47	This Study
13	2	82.5	84.5	83.5	114.34	119.34	2.75	-2.01	85.98	This Study
13	2	92	94	93	114.43	119.43	3.00	-0.58	86.62	This Study
13	2	92	94	93	114.43	119.43	3.00	-0.66	85.41	This Study
13	2	112	114	113	114.63	119.63	2.92	-0.71	81.67	This Study
13	2	122	124	123	114.73	119.73	3.20	-0.64	87.06	This Study
13	2	132	134	133	114.83	119.83	3.16	-1.07	88.03	This Study
13	2	142	144	143	114.93	119.93	3.32	-0.54	88.88	This Study
13	3	2	4	3	115.03	120.03	2.89	0.59	86.11	This Study
13	3	12	14	13	115.13	120.13	3.21	-1.05	87.83	This Study
13	3	22	24	23	115.23	120.23	3.23	-0.59	87.13	This Study
13	3	32	34	33	115.33	120.33	3.26	-0.77	85.50	This Study
13	3	32	34	33	115.33	120.33	3.12	-0.63	87.04	This Study
13	3	42	44	43	115.43	120.43	2.97	-0.58	87.10	This Study
13	3	52	54	53	115.53	120.53	3.29	-0.67	84.25	This Study
13	3	62	64	63	115.63	120.63	3.25	-0.54	87.72	This Study
13	3	72	74	73	115.73	120.73	3.24	-0.47	88.78	This Study
13	3	82	84	83	115.83	120.83	3.38	-1.02	87.89	This Study
13	3	99	101	100	116.00	121.00	3.37	-0.57	85.23	This Study
13	3	99	101	100	116.00	121.00	3.27	-0.48	89.66	This Study
13	3	109	111	110	116.10	121.10	3.42	-0.53	86.90	This Study
13	3	119	121	120	116.20	121.20	3.35	-1.28	88.83	This Study
13	3	128	130	129	116.29	121.29	3.45	-0.41	88.18	This Study
13	4	3	5	4	116.54	121.54	3.44	-0.86	90.44	This Study
13	4	13	15	14	116.64	121.64	3.71	-0.30	89.93	This Study
13	4	23	25	24	116.74	121.74	3.23	-1.78	88.89	This Study
13	4	33	35	34	116.84	121.84	3.47	-0.67	89.71	This Study
13	4	43	45	44	116.94	121.94	3.43	-0.53	88.63	This Study
13	4	53	55	54	117.04	122.04	3.57	-0.45	87.31	This Study
13	4	63	65	64	117.14	122.14	3.36	-0.57	88.77	This Study
13	4	73	75	74	117.24	122.24	3.54	-0.34	88.74	This Study
13	4	93	95	94	117.44	122.44	3.44	-0.50	87.85	This Study
13	4	103	105	104	117.54	122.54	3.41	-1.39	90.25	This Study
13	4	121	123	122	117.72	122.72	3.38	-0.59	89.80	This Study
13	4	143	145	144	117.94	122.94	3.14	-1.85	89.68	This Study
14	1	14	16	15	121.64	127.64	3.52	-1.26	91.23	This Study
14	1	53.5	55.5	54.5	122.04	128.04	3.23	-1.11	89.18	This Study
14	1	53.5	55.5	54.5	122.04	128.04	3.28	-0.58	89.78	This Study
14	1	90	92	91	122.40	128.40	3.34	-0.41	91.62	This Study

14	1	127	129	128	122.77	128.77	3.33	-1.17	90.53	This Study
14	2	17.5	19.5	18.5	123.18	129.18	3.24	-0.33	86.99	This Study
14	2	58.5	60.5	59.5	123.59	129.59	3.25	-1.60	93.32	This Study
14	2	102	104	103	124.02	130.02	3.54	-0.26	89.41	This Study
14	2	142	144	143	124.42	130.42	3.19	-1.67	91.23	This Study
14	3	27.5	29.5	28.5	124.78	130.78	3.43	-0.22	88.14	This Study
14	3	70	72	71	125.20	131.20	3.35	-0.76	92.03	This Study
14	3	110	112	111	125.60	131.60	3.48	-0.13	91.30	This Study
14	4	2	4	3	126.02	132.02	3.14	-0.10	91.29	This Study
14	4	39.5	41.5	40.5	126.40	132.40	3.17	-0.03	91.91	This Study
14	4	80	82	81	126.80	132.80	3.15	-0.34	91.50	This Study
14	4	119	121	120	127.19	133.19	3.07	-0.63	92.37	This Study
14	5	10	12	11	127.60	133.60	3.19	-0.47	93.09	This Study
14	5	47	49	48	127.97	133.97	3.38	-0.43	93.47	This Study
14	5	90	92	91	128.40	134.40	3.23	-0.39	93.93	This Study
14	5	130	132	131	128.80	134.80	2.24	0.80	90.41	This Study
14	6	21.5	23.5	22.5	129.22	135.22	3.07	-1.10	92.21	This Study
14	6	60	62	61	129.60	135.60	2.98	-0.71	92.01	This Study
14	6	100	102	101	130.00	136.00	2.88	-0.52	94.14	This Study
14	6	140	142	141	130.40	136.40	3.19	-1.64	90.79	This Study