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*Supplement of*

## **Subsurface North Atlantic warming as a trigger of rapid cooling events: evidence from the early Pleistocene (MIS 31–19)**

**I. Hernández-Almeida et al.**

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Supplementary table: Proxy data from IODP Site U1314 used in Figures 2-4 including depths (meters composite depth) and ages (ka) tuned to LRO4.

U1314 Depth (mcd) benthic	age ka (benthic isotopes)	corr benthic18O	corr benthic13C	U1314 Depth (mcd) plankt	age ka (planktonic isotopes)	planktonic 18O
60.00	779.73	3.04	0.94	60.00	779.73	1.77
60.02	779.91	3.00	1.00	60.04	780.08	1.83
60.04	780.08	2.98	0.55	60.08	780.42	2.02
60.08	780.42	3.02	0.55	60.12	780.77	1.85
60.12	780.77	2.90	0.91	60.16	781.12	1.91
60.16	781.12	3.03	0.37	60.20	781.46	1.92
60.20	781.46	3.08	1.05	60.24	781.46	1.90
60.24	781.81	3.01	0.43	60.28	782.15	1.88
60.28	782.15	3.08	0.43	60.32	782.50	2.06
60.32	782.50	3.06	-0.04	60.36	782.85	1.88
60.40	783.19	3.07	1.01	60.40	783.19	1.88
60.44	783.54	2.97	0.52	60.44	783.54	2.06
60.52	784.23	2.97	1.10	60.48	783.88	1.78
60.56	784.58	2.93	1.14	60.52	784.23	1.85
60.60	784.92	2.35	1.19	60.56	784.58	1.88
60.64	785.27	2.97	-0.16	60.60	784.92	1.74
60.68	785.61	2.97	1.03	60.64	785.27	1.83
60.72	785.96	2.80	0.54	60.68	785.61	1.85
60.76	786.31	2.97	0.55	60.72	785.96	2.05
60.80	786.65	3.36	-0.54	60.76	786.31	1.81
60.84	787.00	2.95	0.75	60.80	786.65	1.67
60.88	787.34	2.97	0.05	60.84	787.00	1.68
60.92	787.69	3.21	0.30	60.88	787.34	1.57
60.96	788.04	3.04	-0.14	60.96	788.04	2.01
61.00	788.38	3.17	0.11	61.00	788.38	2.05
61.04	788.73	3.19	0.77	61.04	788.73	1.67
61.08	789.07	2.85	1.12	61.08	789.07	1.94
61.12	789.42	2.96	0.76	61.12	789.42	1.91
61.16	789.77	3.01	1.15	61.16	789.77	2.49
61.20	790.11	2.96	1.05	61.20	790.11	2.67
61.24	790.46	2.98	0.62	61.24	790.46	2.49
61.28	790.80	3.01	0.17	61.28	790.80	2.74
61.32	791.15	3.17	0.11	61.32	791.15	2.80
61.36	791.50	3.16	-0.17	61.36	791.50	2.82
61.40	791.84	3.13	-0.26	61.40	791.84	2.85
61.44	792.19	3.47	0.12	61.44	792.19	2.77
61.48	792.53	3.27	-0.23	61.48	792.53	2.92
61.50	792.71	3.29	-0.28	61.50	792.71	2.94
61.54	793.05	3.36	-0.32	61.54	793.05	2.79
61.58	793.40	3.47	-0.23	61.58	793.40	3.11
61.62	793.74	3.80	-0.69	61.62	793.74	3.36
61.66	794.09	4.22	0.57	61.66	794.09	3.99
61.70	794.44	4.03	-0.13	61.70	794.44	4.18

61.74	794.78	4.20	0.68	61.74	794.78	4.16
61.78	795.13	4.21	0.75	61.78	795.13	4.21
61.82	796.12	4.03	0.11	61.82	796.12	4.14
61.86	797.45	4.05	0.54	61.86	797.45	4.05
61.90	798.78	4.13	0.14	61.90	798.78	4.00
61.94	800.11	4.00	0.80	61.94	800.11	3.92
61.98	801.44	4.00	0.77	61.98	801.44	4.67
62.02	802.77	4.03	0.27	62.02	802.77	3.98
62.06	804.10	3.82	0.56	62.06	804.10	3.67
62.10	805.43	3.85	0.29	62.10	805.43	3.64
62.14	806.75	3.71	0.43	62.14	806.75	3.78
62.18	807.62	3.85	0.22	62.18	807.62	3.63
62.22	808.10	3.77	0.46	62.22	808.10	3.60
62.26	808.58	3.60	0.59	62.26	808.58	3.73
62.30	809.05	3.87	-0.26	62.30	809.05	3.59
62.34	809.53	3.75	0.13	62.34	809.53	3.41
62.38	810.01	3.93	0.44	62.38	810.01	3.27
62.42	810.49	3.57	0.74	62.42	810.49	3.07
62.46	810.97	3.61	0.10	62.46	810.97	2.95
62.50	811.44	3.37	0.76	62.50	811.44	3.34
62.54	811.92	3.37	0.80	62.54	811.92	3.36
62.58	812.40	3.42	1.01	62.58	812.40	3.19
62.62	812.88	3.76	0.85	62.62	812.88	3.33
62.66	813.36	3.47	0.60	62.66	813.36	3.31
62.70	813.83	3.53	0.73	62.70	813.83	3.25
62.74	814.31	3.45	0.75	62.74	814.31	3.14
62.78	814.79	3.49	0.46	62.78	814.79	3.14
62.82	815.27	3.34	0.75	62.82	815.27	3.11
62.86	815.75	3.40	0.54	62.86	815.75	3.15
62.90	816.22	3.33	0.49	62.90	816.22	3.05
62.94	816.70	3.27	0.38	62.94	816.70	2.88
62.98	817.18	3.33	0.60	62.98	817.18	2.99
63.00	817.42	3.18	0.92	63.00	817.42	3.04
63.04	817.80	3.29	0.67	63.04	817.80	3.03
63.08	818.10	3.29	0.62	63.08	818.10	2.79
63.12	818.40	3.13	0.85	63.12	818.40	2.85
63.16	818.69	3.22	0.82	63.16	818.69	2.83
63.20	818.99	3.35	0.72	63.20	818.99	2.81
63.24	819.29	3.24	0.60	63.24	819.29	2.67
63.28	819.58	3.10	0.69	63.28	819.58	2.80
63.32	819.88	3.32	0.37	63.32	819.88	2.91
63.36	820.18	3.30	0.61	63.36	820.18	2.91
63.40	820.47	3.35	0.43	63.40	820.47	3.23
63.44	820.77	3.59	-0.28	63.44	820.77	3.34
63.48	821.06	3.79	0.20	63.48	821.06	3.14
63.52	821.36	3.71	0.62	63.52	821.36	2.84
63.56	821.66	3.69	0.80	63.56	821.66	2.63
63.60	821.95	3.68	0.71	63.60	821.95	2.77
63.64	822.25	3.58	0.31	63.64	822.25	2.35
63.68	822.55	3.50	0.43	63.68	822.55	2.51

63.72	822.84	3.53	0.48	63.72	822.84	2.09
63.76	823.14	3.44	-0.05	63.76	823.14	1.97
63.80	823.44	3.34	0.45	63.80	823.44	2.18
63.84	823.73	3.48	0.33	63.84	823.73	1.95
63.88	824.03	3.36	0.65	63.88	824.03	1.92
63.92	824.33	3.40	0.99	63.92	824.33	1.88
63.96	824.62	3.29	1.31	63.96	824.62	2.19
64.00	824.92	3.38	1.11	64.00	824.92	2.24
64.04	825.22	3.28	0.96	64.04	825.22	1.98
64.08	825.51	3.17	0.43	64.12	825.81	2.02
64.12	825.81	3.33	0.34	64.16	826.10	1.88
64.16	826.10	3.35	0.51	64.20	826.40	2.55
64.20	826.40	3.33	0.63	64.24	826.70	2.83
64.24	826.70	3.37	0.72	64.28	826.99	2.98
64.28	826.99	3.35	-0.09	64.32	827.29	3.09
64.36	827.59	3.33	-0.41	64.36	827.59	2.64
64.40	827.88	3.69	0.28	64.40	827.88	2.56
64.44	828.18	3.53	0.21	64.44	828.18	2.26
64.48	828.48	3.52	0.48	64.48	828.48	2.47
64.50	828.62	3.48	0.48	64.50	828.62	2.21
64.54	828.92	3.33	0.54	64.54	828.92	2.09
64.58	829.22	3.33	0.23	64.58	829.22	2.05
64.62	829.51	3.36	0.43	64.62	829.51	2.21
64.66	829.81	3.34	0.71	64.66	829.81	2.25
64.70	830.11	3.34	0.51	64.70	830.11	2.44
64.74	830.40	3.19	0.27	64.74	830.40	2.11
64.78	830.70	3.11	0.03	64.78	830.70	2.30
64.82	831.00	3.20	-0.12	64.82	831.00	2.90
64.86	831.29	3.19	1.21	64.90	831.59	2.88
64.90	831.59	3.37	0.53	64.94	831.89	2.72
64.94	831.89	3.38	0.53	64.98	832.18	2.63
64.98	832.18	3.38	0.69	65.02	832.48	2.38
65.02	832.48	3.31	0.58	65.06	832.77	2.35
65.06	832.77	3.28	0.70	65.10	833.07	2.35
65.10	833.07	3.29	0.45	65.14	833.37	2.16
65.14	833.37	3.07	0.78	65.18	833.66	1.91
65.18	833.66	3.20	0.23	65.26	834.26	2.05
65.22	833.96	3.41	0.46	65.30	834.55	1.95
65.26	834.26	3.29	0.41	65.34	834.85	1.80
65.30	834.55	3.05	0.38	65.38	835.15	1.97
65.34	834.85	3.16	0.70	65.42	835.44	1.96
65.38	835.15	2.91	0.61	65.46	835.74	1.78
65.42	835.44	2.98	0.46	65.50	836.04	1.86
65.46	835.74	3.01	0.90	65.54	836.33	1.92
65.50	836.04	2.99	0.44	65.58	836.63	1.93
65.54	836.33	3.12	0.61	65.62	836.93	1.84
65.58	836.63	3.01	0.58	65.65	837.15	2.25
65.62	836.93	2.91	0.82	65.69	837.44	1.85
65.65	837.15	3.04	0.71	65.70	837.52	1.76
65.66	837.22	3.16	0.58	65.73	837.74	2.04

65.69	837.44	2.98	0.48	65.74	837.81	1.78
65.70	837.52	3.13	0.32	65.77	838.04	1.88
65.73	837.74	3.10	-0.07	65.78	838.11	1.82
65.74	837.81	3.18	0.42	65.81	838.33	2.15
65.77	838.04	3.16	0.55	65.85	838.63	1.73
65.78	838.11	3.09	-0.11	65.89	838.93	1.88
65.81	838.33	3.09	0.38	65.93	839.22	1.64
65.85	838.63	3.14	1.27	65.97	839.52	2.12
65.89	838.93	2.91	0.77	66.01	839.82	2.33
65.93	839.22	3.20	0.79	66.05	840.11	2.15
65.97	839.52	2.79	1.00	66.09	840.41	2.50
66.01	839.82	2.97	1.04	66.13	840.70	2.61
66.05	840.11	2.97	0.98	66.15	840.85	2.71
66.09	840.41	2.94	0.77	66.19	841.15	3.04
66.13	840.70	3.04	0.01	66.23	841.45	3.05
66.15	840.93	2.65	0.18	66.27	841.74	3.28
66.19	841.15	2.86	-0.20	66.31	842.04	3.05
66.23	841.45	3.19	0.30	66.35	842.34	2.72
66.27	841.74	3.42	0.74	66.39	842.63	2.89
66.31	842.04	3.28	0.57	66.43	842.93	2.81
66.35	842.34	2.93	0.48	66.51	843.52	2.45
66.39	842.63	3.25	0.34	66.59	844.11	2.46
66.43	842.93	3.26	0.61	66.63	844.41	2.58
66.47	843.22	3.25	0.75	66.71	845.00	2.07
66.51	843.52	3.15	0.72	66.83	845.89	1.89
66.55	843.82	3.19	0.81	66.87	846.19	1.65
66.59	844.11	3.14	0.14	66.95	846.78	1.73
66.63	844.41	3.16	0.41	66.99	847.08	1.73
66.67	844.71	3.12	0.52	67.03	847.37	1.64
66.71	845.00	3.13	0.71	67.23	848.86	1.70
66.75	845.30	3.03	0.72	67.27	849.15	1.57
66.79	845.60	3.00	0.52	67.31	849.45	1.62
66.83	845.89	3.01	0.76	67.35	849.75	1.64
66.87	846.19	3.04	0.28	67.39	850.04	1.51
66.91	846.49	2.96	-0.11	67.43	850.34	1.63
66.95	846.78	3.09	0.20	67.47	850.64	1.62
66.99	847.08	3.07	0.55	67.51	850.93	1.57
67.03	847.37	3.01	0.71	67.55	851.23	1.62
67.07	847.67	3.05	0.74	67.59	851.53	1.56
67.11	847.97	2.92	0.55	67.63	851.82	1.73
67.15	848.26	3.00	0.47	67.65	851.97	1.71
67.19	848.56	2.98	0.74	67.69	852.27	1.60
67.27	849.15	2.85	0.70	67.73	852.56	1.53
67.31	849.45	2.85	0.25	67.77	852.86	1.58
67.39	850.04	3.06	-0.26	67.81	853.16	1.44
67.43	850.34	2.99	0.42	67.85	853.45	1.71
67.47	850.64	3.20	0.43	67.89	853.75	1.55
67.51	850.93	3.09	0.48	67.93	854.05	1.56
67.55	851.23	2.65	0.71	67.97	854.34	1.65
67.59	851.53	2.93	0.53	68.01	854.64	1.78

67.63	851.82	2.90	0.22	68.05	854.93	1.65
67.65	851.97	3.03	0.23	68.09	855.23	1.49
67.69	852.27	2.93	0.52	68.13	855.53	1.56
67.73	852.56	2.67	0.34	68.17	855.82	1.47
67.81	853.16	2.69	-0.01	68.21	856.12	1.49
67.85	853.45	2.96	0.40	68.25	856.42	1.41
67.89	853.75	2.96	-0.60	68.29	856.71	1.45
67.93	854.05	3.27	0.54	68.33	857.01	1.48
68.01	854.64	2.76	0.50	68.37	857.31	1.48
68.05	854.93	2.92	0.12	68.41	857.60	1.80
68.13	855.53	2.71	0.08	68.45	857.90	1.75
68.29	856.71	2.90	0.11	68.49	858.20	2.17
68.33	857.01	2.95	0.32	68.53	858.49	2.59
68.37	857.31	2.66	0.65	68.57	859.38	2.57
68.45	857.90	3.35	0.19	68.61	860.84	2.16
68.49	858.20	2.70	0.23	68.65	862.29	2.32
68.53	858.49	2.69	0.43	68.69	863.75	2.51
68.57	859.38	2.46	0.27	68.73	865.21	2.76
68.69	863.75	3.06	-0.64	68.77	866.66	3.62
68.77	866.66	3.94	-0.53	68.81	868.12	3.53
68.81	868.12	4.13	-0.06	68.85	869.58	3.45
68.85	869.58	3.87	-0.61	68.89	871.03	3.65
68.89	871.03	4.24	0.17	68.93	872.40	3.73
68.93	872.40	4.31	0.25	68.97	873.35	3.47
68.97	873.35	4.06	0.12	69.01	874.31	3.50
69.01	874.31	4.11	0.28	69.05	875.26	3.56
69.05	875.26	4.07	0.48	69.09	876.22	3.20
69.09	876.22	3.97	-0.47	69.13	877.17	3.19
69.13	877.17	3.90	-0.05	69.15	877.65	3.22
69.15	877.65	4.00	-0.38	69.19	878.60	3.09
69.31	881.47	4.03	-0.12	69.23	879.56	2.96
69.35	882.42	4.45	0.05	69.27	880.51	3.50
69.39	883.38	4.04	0.05	69.31	881.47	3.84
69.43	884.33	3.99	0.27	69.35	882.42	3.77
69.47	885.29	4.02	0.26	69.39	883.38	3.65
69.51	886.24	3.85	0.63	69.43	884.33	3.43
69.55	887.20	3.88	0.48	69.47	885.29	3.67
69.59	888.15	3.85	0.53	69.51	886.24	3.79
69.62	888.87	3.64	0.03	69.55	887.20	3.52
69.66	889.82	3.67	0.61	69.59	888.15	3.41
69.70	890.78	3.61	0.15	69.62	888.87	3.10
69.74	891.73	3.72	1.07	69.63	889.11	3.27
69.78	892.69	3.69	0.86	69.66	889.82	2.73
69.82	893.64	3.71	0.48	69.67	890.06	2.91
69.86	894.60	3.61	0.83	69.70	890.78	2.77
69.90	895.55	3.45	0.71	69.74	891.73	2.69
69.94	896.51	3.43	0.76	69.78	892.69	2.71
69.98	897.46	3.53	0.83	69.82	893.64	2.80
70.02	898.42	3.42	0.89	69.86	894.60	2.76
70.40	898.89	3.32	0.52	69.90	895.55	2.38

70.06	899.37	3.54	0.42	69.94	896.51	2.58
70.10	900.33	3.50	0.17	69.98	897.46	2.42
70.14	901.28	3.63	0.28	70.02	898.42	2.39
70.18	902.24	3.42	0.39	70.06	899.37	2.37
70.22	903.19	3.69	0.45	70.10	900.33	2.40
70.26	904.15	3.53	0.33	70.14	901.28	2.47
70.30	905.10	3.76	0.83	70.18	902.24	2.54
70.34	906.05	3.50	0.68	70.22	903.19	3.05
70.38	907.01	3.50	0.27	70.26	904.15	3.09
70.44	908.44	3.46	0.63	70.30	905.10	3.36
70.48	909.40	3.51	0.23	70.34	906.05	3.05
70.52	910.35	3.42	0.40	70.38	907.01	3.25
70.56	911.31	3.34	0.58	70.40	907.49	2.91
70.60	912.26	3.50	0.19	70.44	908.44	2.86
70.64	913.22	3.46	0.38	70.48	909.40	2.57
70.68	914.17	3.41	0.47	70.52	910.35	2.44
70.72	915.13	3.36	0.41	70.56	911.31	2.35
70.88	918.94	3.67	0.12	70.60	912.26	2.52
70.92	919.90	4.01	-0.16	70.64	913.22	2.37
70.96	920.85	4.16	-0.14	70.68	914.17	2.61
71.00	921.59	4.16	-0.27	70.72	915.13	2.40
71.08	922.32	4.08	-0.55	70.76	916.08	2.74
71.12	922.68	3.87	-0.55	70.80	917.04	3.07
71.16	923.05	3.64	0.35	70.84	917.99	3.81
71.20	923.41	3.93	0.11	70.88	918.94	3.94
71.24	923.78	3.74	0.65	70.92	919.90	4.00
71.28	924.14	3.91	0.37	70.96	920.85	3.98
71.32	924.50	3.62	0.22	71.00	921.59	3.57
71.36	924.87	3.45	0.02	71.04	921.96	3.67
71.40	925.23	3.72	0.08	71.08	922.32	3.18
71.44	925.60	3.72	-0.13	71.12	922.68	3.26
71.48	925.96	3.76	-0.08	71.16	923.05	3.30
71.52	926.33	3.82	-0.71	71.20	923.41	3.16
71.56	926.69	3.74	0.59	71.24	923.78	3.14
71.60	927.05	3.70	-0.08	71.28	924.14	3.23
71.64	927.42	3.67	-0.02	71.32	924.50	2.94
71.68	927.78	3.72	0.44	71.36	924.87	2.44
71.72	928.15	3.59	0.13	71.40	925.23	3.04
71.76	928.51	3.27	0.65	71.44	925.60	2.96
71.80	928.87	3.40	0.88	71.48	925.96	2.97
71.84	929.24	3.23	0.77	71.52	926.33	2.80
71.88	929.59	3.19	0.57	71.56	926.69	2.87
71.90	929.73	3.11	0.84	71.60	927.05	2.52
71.94	930.01	3.15	0.46	71.64	927.42	2.58
71.98	930.29	3.48	0.64	71.68	927.78	2.82
72.02	930.57	3.38	0.47	71.72	928.15	2.80
72.06	930.85	3.38	0.56	71.76	928.51	2.56
72.10	931.13	3.30	0.40	71.80	928.87	2.49
72.14	931.41	3.17	0.56	71.84	929.24	2.64
72.18	931.69	3.21	0.60	71.88	929.59	2.90

72.22	931.97	2.97	0.60	71.90	929.73	3.11
72.26	932.25	3.12	-0.09	71.94	930.01	3.07
72.30	932.53	3.12	0.00	71.98	930.29	3.19
72.34	932.80	3.22	0.51	72.02	930.57	2.93
72.38	933.08	3.18	0.19	72.06	930.85	2.83
72.42	933.36	3.30	0.69	72.10	931.13	2.77
72.46	933.64	3.23	0.53	72.14	931.41	2.64
72.50	933.92	3.25	0.69	72.18	931.69	2.66
72.54	934.20	3.11	0.47	72.22	931.97	2.70
72.58	934.48	3.27	0.67	72.26	932.25	2.78
72.62	934.76	3.19	0.45	72.30	932.53	2.85
72.66	935.04	3.19	0.50	72.34	932.80	3.04
72.70	935.32	3.19	0.86	72.38	933.08	2.85
72.74	935.60	3.08	0.30	72.42	933.36	2.95
72.78	935.88	3.01	0.70	72.46	933.64	2.78
72.82	936.15	3.03	0.62	72.50	933.92	2.91
72.86	936.43	3.08	0.47	72.54	934.20	2.93
72.90	936.71	3.02	0.84	72.58	934.48	2.54
72.94	936.99	2.88	0.61	72.62	934.76	2.66
72.98	937.27	2.91	0.09	72.66	935.04	2.34
73.02	937.55	2.89	0.38	72.74	935.60	2.54
73.06	937.83	3.01	-0.50	72.78	935.88	1.93
73.14	938.39	2.89	0.86	72.86	936.43	1.82
73.18	938.67	2.93	0.76	72.90	936.71	1.84
73.22	938.95	2.91	0.70	73.02	937.55	1.69
73.26	939.22	2.90	0.95	73.10	938.11	1.74
73.30	939.50	2.92	0.90	73.14	938.39	1.64
73.34	939.78	2.82	0.52	73.18	938.67	1.73
73.38	940.06	2.81	0.37	73.22	938.95	1.77
73.40	940.20	2.90	0.87	73.38	940.06	1.76
73.44	940.48	2.93	0.83	73.40	940.20	1.60
73.48	940.76	2.87	0.76	73.44	940.48	1.78
73.52	941.04	2.84	0.62	73.48	940.76	1.75
73.56	941.32	2.85	0.58	73.52	941.04	1.85
73.60	941.60	2.89	0.49	73.56	941.32	1.74
73.64	941.88	2.85	0.78	73.60	941.60	1.71
73.68	942.16	2.86	0.58	73.64	941.88	1.88
73.72	942.43	2.81	0.72	73.68	942.16	1.77
73.76	942.71	2.66	0.50	73.72	942.43	1.71
73.80	942.99	2.90	0.76	73.80	942.99	1.62
73.84	943.27	2.84	0.81	73.84	943.27	1.71
73.88	943.55	2.91	0.56	73.88	943.55	1.64
73.92	943.83	2.81	0.44	73.92	943.83	1.46
73.96	944.11	2.84	0.93	73.96	944.11	1.81
74.00	944.39	2.76	0.86	74.00	944.39	1.79
74.04	944.67	2.81	0.63	74.04	944.67	1.60
74.08	944.95	2.80	0.78	74.08	944.95	1.73
74.12	945.23	2.85	0.07	74.12	945.23	1.85
74.20	945.78	2.92	0.90	74.16	945.51	1.70
74.24	946.06	2.95	0.80	74.20	945.78	1.73



74.28	946.34	2.72	-0.10	74.24	946.06	1.75
74.32	946.62	2.88	0.94	74.28	946.34	1.56
74.36	946.90	2.88	0.57	74.32	946.62	1.42
74.40	947.18	2.80	1.25	74.36	946.90	1.70
74.44	947.46	2.83	0.77	74.40	947.18	1.84
74.48	947.74	2.84	0.65	74.44	947.46	1.86
74.52	948.02	2.90	0.81	74.48	947.74	1.83
74.56	948.30	2.90	0.79	74.52	948.02	1.79
74.60	948.58	2.89	0.46	74.56	948.30	1.80
74.64	948.85	2.61	0.38	74.64	948.85	1.74
74.68	949.13	2.89	0.74	74.68	949.13	1.70
74.72	949.41	2.88	0.66	74.72	949.41	1.78
74.76	949.69	2.86	0.95	74.76	949.69	1.96
74.80	949.97	2.85	0.84	74.80	949.97	1.69
74.84	950.25	2.77	0.23	74.84	950.25	1.72
74.88	950.53	2.83	0.60	74.88	950.53	1.93
74.90	950.67	2.83	0.47	74.90	950.67	1.77
74.94	950.95	2.88	0.57	74.94	950.95	1.78
74.98	951.23	2.83	0.11	74.98	951.23	1.66
75.02	951.64	2.54	0.64	75.02	951.64	1.70
75.06	952.57	2.74	0.52	75.06	952.57	1.70
75.10	953.51	2.54	-0.11	75.10	953.51	1.50
75.14	954.44	3.01	0.28	75.14	954.44	1.64
75.18	955.38	2.71	0.27	75.18	955.38	1.59
75.22	956.31	2.32	0.19	75.22	956.31	1.75
75.26	957.25	2.71	0.60	75.26	957.25	2.10
75.46	961.92	3.81	-0.15	75.30	958.18	2.26
75.50	962.85	4.11	0.51	75.34	959.11	2.24
75.54	963.33	4.22	0.28	75.42	960.98	2.76
75.58	963.81	4.18	0.16	75.46	961.92	3.57
75.62	964.28	3.97	0.83	75.50	962.85	3.56
75.66	964.76	4.16	-0.02	75.54	963.33	3.35
75.70	965.23	3.65	-0.03	75.58	963.81	3.17
75.74	965.71	4.06	0.40	75.62	964.28	2.81
75.78	966.19	4.06	0.43	75.66	964.76	2.83
75.82	966.66	4.04	0.28	75.70	965.23	2.74
75.86	967.14	3.88	0.62	75.74	965.71	2.77
75.90	967.61	3.93	0.56	75.78	966.19	2.75
75.94	968.09	3.70	0.34	75.82	966.66	2.73
75.98	968.56	3.75	0.65	75.86	967.14	2.66
76.02	969.04	3.52	0.27	75.90	967.61	2.58
76.06	969.51	3.50	0.93	75.94	968.09	2.44
76.10	969.99	3.30	0.61	75.98	968.56	2.29
76.18	970.94	3.30	1.01	76.02	969.04	2.37
76.22	971.42	3.42	0.53	76.10	969.99	2.46
76.26	971.89	3.49	0.36	76.14	970.47	2.27
76.30	972.37	3.54	0.87	76.18	970.94	2.58
76.34	972.84	3.43	0.94	76.22	971.42	3.06
76.38	973.32	3.37	0.54	76.26	971.89	3.18
76.42	973.79	3.27	0.47	76.30	972.37	3.17

76.46	974.27	3.19	0.63	76.34	972.84	3.07
76.50	974.75	3.23	0.70	76.38	973.32	2.90
76.54	975.22	3.28	0.66	76.42	973.79	2.50
76.58	975.70	3.24	0.78	76.50	974.75	2.32
76.72	977.36	3.13	0.25	76.54	975.22	2.07
76.76	977.84	3.20	0.68	76.58	975.70	2.04
76.80	978.31	3.11	0.13	76.60	975.93	2.21
76.84	978.79	3.11	-0.09	76.64	976.41	2.20
76.88	979.26	3.21	0.04	76.68	976.89	2.12
76.92	979.74	3.20	0.31	76.72	977.36	2.14
76.96	980.21	3.15	0.41	76.76	977.84	2.04
77.00	980.69	3.35	0.11	76.80	978.31	2.61
77.04	981.17	3.37	0.30	76.84	978.79	2.46
77.12	982.12	3.23	0.17	76.88	979.26	2.48
77.20	983.07	3.68	0.28	76.92	979.74	2.59
77.24	983.54	3.77	0.19	76.96	980.21	2.76
77.28	984.02	3.71	0.37	77.00	980.69	2.88
77.32	984.49	3.70	0.20	77.04	981.17	2.72
77.36	984.97	3.72	0.55	77.12	982.12	3.12
77.40	985.45	3.62	0.85	77.20	983.07	2.68
77.44	985.92	3.68	0.23	77.24	983.54	2.72
77.48	986.40	3.82	0.51	77.28	984.02	2.56
77.52	986.87	3.66	0.43	77.32	984.49	2.45
77.56	987.35	3.72	0.73	77.36	984.97	2.45
77.60	987.82	3.77	0.56	77.40	985.45	2.59
77.64	988.20	3.72	0.97	77.44	985.92	2.63
77.68	988.56	3.65	0.96	77.48	986.40	3.00
77.72	988.92	3.54	0.59	77.52	986.87	2.91
77.76	989.28	3.49	0.99	77.56	987.35	2.99
77.80	989.64	3.44	0.97	77.60	987.82	2.94
77.84	990.01	3.43	0.88	77.64	988.20	3.38
77.88	990.37	3.41	0.95	77.68	988.56	3.29
77.92	990.73	3.51	1.13	77.72	988.92	3.30
77.96	991.09	3.47	1.15	77.76	989.28	3.18
78.00	991.45	3.45	0.80	77.80	989.64	3.22
78.04	991.81	3.45	0.93	77.84	990.01	3.18
78.08	992.18	3.45	1.00	77.88	990.37	3.24
78.10	992.36	3.28	1.17	77.92	990.73	3.21
78.14	992.72	3.45	0.76	77.96	991.09	2.91
78.18	993.08	3.44	0.80	78.00	991.45	3.15
78.22	993.44	3.33	0.57	78.04	991.81	3.02
78.26	993.80	3.50	0.86	78.08	992.18	2.96
78.30	994.17	3.41	0.93	78.10	992.36	2.75
78.34	994.53	3.43	1.28	78.14	992.72	2.84
78.38	994.89	3.21	0.69	78.18	993.08	2.50
78.42	995.25	3.45	1.18	78.22	993.44	2.48
78.46	995.61	3.25	1.04	78.26	993.80	2.63
78.50	995.97	2.93	0.79	78.30	994.17	2.47
78.54	996.34	3.30	0.40	78.34	994.53	2.38
78.58	996.70	3.30	0.85	78.38	994.89	2.35

78.62	997.06	3.31	0.45	78.42	995.25	2.35
78.66	997.42	3.30	0.94	78.46	995.61	2.08
78.70	997.78	3.23	1.12	78.50	995.97	2.25
78.74	998.14		0.63	78.54	996.34	2.23
78.78	998.51	3.35	0.85	78.58	996.70	1.56
78.82	998.87	3.33	0.68	78.62	997.06	1.89
78.86	999.23	3.39	0.49	78.66	997.42	1.61
78.90	999.59	3.06	0.86	78.70	997.78	1.86
78.94	999.95	3.32	1.24	78.74	998.14	1.93
78.98	1000.31	3.40	1.00	78.78	998.51	2.11
79.02	1000.68	3.36	0.61	78.82	998.87	2.16
79.06	1001.04	3.26	0.70	78.86	999.23	2.20
79.10	1001.40	3.28	0.95	78.90	999.59	2.27
79.22	1002.48	3.70	0.32	78.94	999.95	2.15
79.26	1002.85	3.62	0.54	78.98	1000.31	2.28
79.30	1003.21	3.72	0.21	79.02	1000.68	2.47
79.34	1003.57	3.79	0.40	79.06	1001.04	2.49
79.38	1003.93	3.88	0.52	79.10	1001.40	2.68
79.42	1004.33	3.88	0.55	79.14	1001.76	2.53
79.46	1004.88	3.73	0.96	79.22	1002.48	3.08
79.50	1005.43	3.90	0.57	79.26	1002.85	2.85
79.54	1005.99	3.76	0.53	79.34	1003.57	2.91
79.58	1006.54	3.76	0.70	79.38	1003.93	2.86
79.64	1007.36	3.72	0.56	79.42	1004.33	2.72
79.68	1007.92	3.62	0.84	79.46	1004.88	2.74
79.72	1008.47	3.52	0.77	79.50	1005.43	2.64
79.76	1009.02	3.64	1.07	79.54	1005.99	2.63
79.80	1009.57	3.67	0.59	79.58	1006.54	2.46
79.84	1010.12	3.57	0.68	79.60	1006.81	2.40
79.92	1011.22	3.73	-0.13	79.64	1007.36	2.25
80.00	1012.33	3.52	1.01	79.72	1008.47	2.64
80.04	1012.88	3.64	0.57	79.76	1009.02	2.70
80.08	1013.43	3.38	1.12	79.80	1009.57	2.95
80.12	1013.98	3.64	0.95	79.84	1010.12	3.05
80.16	1014.53	3.44	1.29	79.88	1010.67	2.60
80.20	1015.08	3.16	0.35	79.92	1011.22	2.63
80.24	1015.64	3.39	1.17	79.96	1011.78	2.69
80.28	1016.19	3.88	0.86	80.00	1012.33	2.66
80.32	1016.74	3.12	0.16	80.04	1012.88	2.65
80.40	1017.84	3.31	1.01	80.08	1013.43	2.71
80.44	1018.39	3.32	0.22	80.12	1013.98	2.36
80.48	1018.94	3.53	0.13	80.16	1014.53	2.21
80.56	1020.05	3.13	0.27	80.20	1015.08	2.26
80.60	1020.60	3.29	0.17	80.24	1015.64	2.23
80.64	1021.15	3.36	0.84	80.28	1016.19	2.27
80.68	1021.70	3.33	0.83	80.32	1016.74	2.15
80.72	1022.25	3.34	0.63	80.36	1017.29	2.20
80.76	1022.80	3.31	1.02	80.40	1017.84	2.13
80.80	1023.36	3.39	0.75	80.44	1018.39	2.05
80.84	1023.91	3.29	0.69	80.48	1018.94	2.19

80.88	1024.46	3.09	0.79	80.52	1019.50	1.94
80.92	1025.01	3.12	0.71	80.60	1020.60	2.88
80.96	1025.56	3.16	0.79	80.64	1021.15	3.24
81.00	1026.11	3.14	0.28	80.68	1021.70	3.20
81.04	1026.67	3.20	0.65	80.72	1022.25	3.01
81.08	1027.22	3.31	0.75	80.76	1022.80	2.86
81.10	1027.49	3.23	0.74	80.80	1023.36	2.73
81.14	1028.04	3.22	1.12	80.84	1023.91	2.50
81.18	1028.60	3.35	1.00	80.88	1024.46	2.12
81.22	1029.15	3.36	0.65	80.92	1025.01	1.95
81.26	1029.70	3.21	0.82	81.00	1026.11	1.79
81.30	1030.25	3.37	0.65	81.04	1026.67	1.86
81.34	1030.80	3.44	0.73	81.08	1027.22	1.99
81.38	1031.35	3.71	0.15	81.10	1027.49	2.09
81.42	1031.90	3.38	0.40	81.14	1028.04	2.11
81.46	1032.46	3.89	0.21	81.18	1028.60	2.14
81.50	1033.01	3.48	0.13	81.22	1029.15	2.27
81.54	1033.56	3.87	0.61	81.26	1029.70	2.33
81.58	1034.11	3.94	0.55	81.30	1030.25	2.22
81.62	1034.66	3.96	0.39	81.34	1030.80	2.69
81.66	1035.21	3.94	0.72	81.38	1031.35	2.90
81.70	1035.76	3.94	0.77	81.42	1031.90	2.76
81.74	1036.32	3.95	0.20	81.46	1032.46	2.88
81.78	1036.87	3.93	0.86	81.50	1033.01	2.92
81.82	1037.42	3.78	0.34	81.54	1033.56	2.78
81.86	1037.97	4.15	0.36	81.58	1034.11	2.72
81.90	1038.52	4.11	0.40	81.62	1034.66	2.70
81.94	1039.07	4.10	0.19	81.66	1035.21	2.73
81.98	1039.62	4.17	0.54	81.70	1035.76	2.60
82.02	1040.18	4.13	0.34	81.74	1036.32	2.60
82.06	1040.73	4.08	0.78	81.78	1036.87	2.63
82.10	1041.28	4.07	0.69	81.82	1037.42	2.65
82.14	1041.83	4.09	0.56	81.86	1037.97	2.72
82.18	1042.38	4.12	0.57	81.90	1038.52	2.57
82.22	1042.93	4.13	0.39	81.94	1039.07	2.68
82.26	1043.48	3.99	0.69	81.98	1039.62	2.50
82.30	1044.04	3.99	0.29	82.02	1040.18	2.51
82.34	1044.59	3.96	0.23	82.06	1040.73	2.74
82.38	1045.14	3.94	0.46	82.10	1041.28	2.82
82.42	1045.69	4.00	0.54	82.14	1041.83	2.74
82.46	1046.24	3.96	0.71	82.18	1042.38	2.65
82.50	1046.79	4.10	0.21	82.22	1042.93	2.75
82.54	1047.35	3.94	0.43	82.26	1043.48	2.65
82.58	1047.90	3.95	0.02	82.30	1044.04	2.72
82.60	1048.17	4.01	0.09	82.34	1044.59	2.67
82.64	1048.72	3.98	0.48	82.38	1045.14	2.57
82.68	1049.28	3.91	0.40	82.42	1045.69	2.42
82.72	1049.83	3.91	0.34	82.46	1046.24	2.60
82.76	1050.38	3.88	0.14	82.50	1046.79	2.70
82.80	1050.93	3.93	0.13	82.54	1047.35	2.63

82.84	1051.48	3.85	0.13	82.58	1047.90	2.63
82.88	1052.03	3.78	0.60	82.60	1048.17	2.61
82.92	1052.58	3.89	-0.04	82.64	1048.72	2.71
82.96	1053.14	3.69	-0.16	82.68	1049.28	2.70
83.08	1054.24	3.49	-0.14	82.72	1049.83	2.86
83.40	1054.79	3.62	-0.03	82.76	1050.38	2.91
83.12	1055.34	3.79	-0.11	82.80	1050.93	3.10
83.16	1055.89	3.89	-0.07	82.84	1051.48	3.31
83.20	1056.44	3.56	0.02	82.88	1052.03	3.33
83.24	1057.00	3.91	-0.39	82.92	1052.58	3.13
83.28	1057.55	3.65	0.40	82.96	1053.14	3.21
83.32	1058.10	3.76	0.27	83.04	1054.24	3.58
83.36	1058.65	3.86	-0.29	83.08	1054.79	3.65
83.40	1059.20	3.70	-0.27	83.12	1055.34	3.50
83.44	1059.75	3.56	0.22	83.16	1055.89	3.32
83.48	1060.30	3.72	-0.06	83.20	1056.44	3.01
83.52	1060.86	3.36	0.06	83.24	1057.00	3.39
83.56	1061.41	3.61	0.15	83.28	1057.55	3.07
83.64	1062.51	3.52	0.10	83.32	1058.10	2.72
83.68	1063.06	3.32	0.46	83.36	1058.65	2.69
83.72	1063.61	3.23	0.83	83.40	1059.20	3.24
83.76	1064.16	3.23	0.12	83.48	1060.30	3.10
83.80	1064.72	3.18	0.64	83.52	1060.86	2.93
83.84	1065.27	3.10	0.64	83.56	1061.41	2.81
83.88	1065.82	2.86	0.81	83.60	1061.96	2.99
83.92	1066.37	2.97	0.32	83.64	1062.51	2.89
83.96	1066.92	2.97	0.86	83.68	1063.06	2.63
84.00	1067.47	3.03	0.62	83.72	1063.61	2.51
84.04	1068.03	2.80	0.70	83.76	1064.16	2.20
84.08	1068.58	2.85	0.90	83.80	1064.72	2.08
84.16	1069.68	2.82	0.98	83.84	1065.27	1.87
				83.88	1065.82	1.85
				83.92	1066.37	1.78
				83.96	1066.92	1.87
				84.00	1067.47	1.75
				84.04	1068.03	1.86
				84.08	1068.58	1.81
				84.12	1069.13	1.82
				84.16	1069.68	1.78

planktonic 13C	age ka (Mg/Ca Temp)	Mg(24)/Ca(4 3) SolP Corrected	Temp. °C (Elderfield and Ganssen, 2000)	d18Osw (Shackleton 1974; Meland 2005)	age ka (IRD)	IRD/g	Gradient B-P 13C
-0.30	780.08	1.96	13.67	1.14	779.73	7.80	1.24
-0.17	780.42	0.87	5.52	-0.69	780.42	0.00	1.30
-0.08	780.77	0.86	5.41	-0.90	781.12	0.00	0.72
-0.28	781.12	0.97	6.59	-0.54	781.46	2.33	0.63
-0.07	781.46	0.93	6.24	-0.62	782.15	0.00	1.19
-0.13	781.81	0.93	6.24	-0.64	782.85	4.28	0.44
-0.13	782.15	0.85	5.28	-0.92	783.19	0.00	1.18
-0.03	782.50	1.03	7.26	-0.23	783.88	4.03	0.56
-0.02	782.85	1.32	9.72	0.21	784.58	0.00	0.46
-0.28	783.19	1.13	8.12	-0.20	784.92	0.00	-0.02
-0.01	783.54	1.18	8.59	0.09	785.61	0.00	1.02
-0.09	783.88	1.48	10.86	0.37	786.31	0.00	0.61
-0.17	784.23	1.11	7.99	-0.27	786.65	0.00	1.28
-0.18	784.57	1.21	8.82	-0.08	787.34	0.00	1.35
-0.21	784.92	1.25	9.14	-0.10	788.04	27.05	1.27
-0.08	785.27	1.01	7.06	-0.55	788.38	4.48	0.25
-0.41	785.61	0.98	6.72	-0.64	789.07	9.15	1.17
-0.14	785.96	1.07	7.59	-0.21	789.77	58.14	0.75
-0.21	786.30	1.38	10.13	0.41	790.11	36.62	0.87
-0.32	786.65	1.24	9.08	-0.25	790.80	84.60	-0.22
-0.32	787.00	1.42	10.42	0.10	791.50	586.93	1.14
-0.39	787.34	1.35	9.94	-0.14	791.84	436.48	0.57
-0.52	787.69	1.25	9.12	-0.36	792.53	1082.98	0.82
-0.67	788.03	1.47	10.75	0.04	792.71	802.97	0.54
-0.62	788.38	1.15	8.34	-0.10	793.40	1399.98	0.73
-0.42	788.73	1.46	10.69	0.05	794.09	2370.28	1.19
-0.44	789.07	1.17	8.50	-0.28	794.44	1337.51	1.56
-0.58	789.42	1.46	10.68	0.23	795.13	1114.70	1.34
-0.39	789.76	1.19	8.70	-0.32	797.45	845.66	1.54
-0.38	790.11	1.31	9.60	0.62	798.78	9588.71	1.43
-0.49	790.45	1.27	9.29	0.54	801.44	118.07	1.11
-0.46	790.80	1.24	9.05	0.53	804.10	390.35	0.63
-0.38	791.15	1.52	11.11	1.08	805.43	919.57	0.49
-0.46	791.49	1.47	10.82	1.01	807.62	236.66	0.29
-0.49	791.84	1.35	9.92	0.83	808.58	269.75	0.23
-0.44	792.18	1.32	9.74	0.75	809.05	374.97	0.56
-0.42	792.53	1.12	8.09	0.36	810.01	163.40	0.19
-0.54	792.70	1.08	7.71	0.26	810.97	90.02	0.26
-0.69	793.05	1.23	8.99	0.39	811.92	133.26	0.37
-0.69	793.39	1.08	7.72	0.07	812.88	354.64	0.46
-0.61	793.74	1.06	7.53	0.53	813.36	314.90	-0.08
-0.49	794.09	1.08	7.72	1.18	814.31	96.93	1.06
-0.49	794.43	1.03	7.22	1.05	815.27	171.12	0.36

-0.41	794.78	0.91	6.01	0.88	815.75	251.79	1.09
-0.34	795.12	0.92	6.08	0.91	816.70	3.50	1.09
-0.27	796.12	1.00	6.93	1.13	817.42	175.11	0.38
-0.14	797.45	1.06	7.50	1.19	817.80	159.50	0.68
-0.36	798.78	1.09	7.81	1.21	818.40	18.38	0.50
-0.25	800.11	0.94	6.27	0.74	818.99	66.22	1.05
0.08	801.44	1.05	7.45	1.78	819.29	27.98	0.69
-0.16	802.77	1.02	7.17	1.02	819.88	334.60	0.43
-0.17	804.10	1.03	7.26	0.79	820.47	749.65	0.73
-0.28	805.43	1.03	7.21	0.78	820.77	310.06	0.57
-0.16	806.76	0.90	5.92	0.60	821.36	52.77	0.59
-0.19	807.62	1.08	7.69	0.91	821.95	16.27	0.41
-0.09	808.10	1.10	7.86	0.93	822.25	28.39	0.55
-0.10	808.58	1.05	7.42	0.97	822.84	4.69	0.69
-0.38	809.05	1.11	7.95	0.99	823.44	4.21	0.13
-0.18	809.53	1.24	9.08	1.12	823.73	9.56	0.31
-0.27	810.01	1.21	8.85	0.93	824.03	8.50	0.71
-0.30	810.49	1.24	9.11	0.79	824.62	3.99	1.04
-0.34	810.97	1.34	9.87	0.86	824.92	18.90	0.44
-0.35	811.44	1.21	8.81	0.98	825.22	16.04	1.11
-0.21	811.92	1.39	10.21	1.35	825.81	0.00	1.01
-0.36	812.40	1.40	10.29	1.20	826.40	136.99	1.37
-0.16	813.36	1.27	9.30	1.13	826.99	271.54	1.01
-0.22	813.84	1.37	10.11	1.30	827.59	1109.83	0.82
-0.05	814.31	1.38	10.15	1.22	828.18	20.09	0.78
-0.05	814.79	1.40	10.28	1.27	828.62	16.19	0.80
-0.32	815.27	1.28	9.43	1.04	829.22	11.67	0.78
-0.20	815.75	1.20	8.75	0.90	829.81	100.80	0.95
-0.39	816.23	1.37	10.05	1.13	830.40	8.32	0.93
-0.19	816.70	1.35	9.90	0.95	831.00	647.55	0.68
-0.17	817.18	1.38	10.17	1.16	831.29	0.00	0.55
-0.18	817.42	1.18	8.56	0.81	831.59	933.61	0.78
-0.25	818.10	1.04	7.36	0.33	832.18	53.82	1.17
-0.11	818.40	1.04	7.34	0.38	832.77	55.41	0.78
-0.22	818.69	1.25	9.15	0.81	833.37	0.00	0.84
-0.18	818.99	1.31	9.62	0.90	833.96	4.22	1.03
-0.27	819.29	0.95	6.47	-0.04	834.55	12.03	1.09
-0.18	819.58	1.18	8.58	0.62	835.15	4.24	0.90
-0.35	819.88	1.09	7.81	0.53	835.74	7.97	0.95
-0.27	820.18	1.16	8.43	0.69	836.33	3.69	0.96
-0.31	820.47	1.06	7.53	0.78	836.93	0.00	0.68
-0.33	820.77	1.03	7.25	0.82	837.44	10.26	0.94
-0.09	821.07	0.99	6.87	0.52	837.52	4.14	0.52
-0.23	821.36	1.09	7.80	0.47	838.04	18.96	-0.05
-0.23	821.66	1.15	8.33	0.40	838.11	1.94	0.43
-0.19	821.95	1.06	7.56	0.35	838.63	19.25	0.81
-0.25	822.25	1.11	7.96	0.03	839.22	18.43	1.05
-0.29	822.55	1.06	7.49	0.07	839.82	90.53	1.00
-0.48	822.84	1.01	7.04	-0.47	840.41	692.64	0.79
-0.42	823.14	0.98	6.73	-0.68	840.85	406.63	0.85

-0.56	823.44	1.19	8.65	0.02	841.45	386.89	1.04
-0.52	823.73	1.06	7.54	-0.49	842.04	345.24	0.47
-0.36	824.03	1.12	8.03	-0.41	842.63	406.74	0.81
-0.75	824.33	1.13	8.19	-0.41	843.22	220.22	1.08
-0.52	824.62	0.97	6.59	-0.52	843.82	206.04	1.17
-0.67	824.92	0.99	6.87	-0.42	844.41	291.57	1.66
-0.54	825.22	1.13	8.18	-0.35	845.00	92.53	1.85
-0.39	825.51	1.01	7.03	-0.67	845.60	13.82	1.50
-0.66	825.81	1.18	8.62	-0.22	846.19	0.00	1.62
-0.72	826.11	0.98	6.75	-0.86	846.78	4.87	1.09
-0.65	826.40	0.82	4.98	-0.65	847.37	0.00	1.06
-0.50	826.70	0.91	5.98	-0.09	847.97	0.00	1.16
-0.43	826.99	1.01	7.01	0.34	848.56	0.00	1.13
-0.33	827.29	0.89	5.75	0.13	849.15	0.00	1.15
-0.37	827.59	1.03	7.24	0.08	849.75	9.13	0.24
-0.33	827.88	1.03	7.20	0.00	850.34	0.00	-0.08
-0.32	828.18	0.96	6.50	-0.46	850.93	0.00	0.60
-0.62	828.63	1.06	7.48	-0.28	851.53	16.12	0.83
-0.39	828.92	1.26	9.24	0.04	851.97	9.01	0.87
-0.41	829.22	1.21	8.87	-0.09	852.56	0.00	0.89
-0.34	829.51	1.20	8.74	0.02	853.16	3.79	0.88
-0.49	830.11	1.16	8.43	0.16	853.75	0.00	0.72
-0.37	830.40	1.19	8.71	-0.11	854.34	7.90	0.80
-0.27	830.70	1.15	8.35	-0.01	854.93	15.42	0.98
-0.29	831.00	1.15	8.32	0.58	855.53	19.64	0.80
-0.27	831.29	1.14	8.24	0.56	856.12	0.00	0.54
-0.24	831.59	1.17	8.49	0.60	856.71	0.00	0.27
-0.21	831.89	1.23	9.04	0.58	857.31	67.18	0.09
-0.28	832.18	1.08	7.75	0.16	857.90	74.58	1.42
-0.11	832.48	1.25	9.12	0.27	858.49	886.51	0.81
-0.04	832.78	1.13	8.13	-0.01	860.84	915.68	0.64
-0.16	833.07	1.31	9.60	0.37	863.75	4398.88	0.73
-0.12	833.37	1.22	8.91	0.01	866.66	1364.90	0.74
-0.16	833.67	1.29	9.50	-0.08	869.58	1795.59	0.82
-0.10	834.26	1.25	9.15	-0.01	872.40	719.75	0.61
-0.27	834.56	1.27	9.29	-0.05	874.31	1094.10	0.88
-0.30	834.85	1.26	9.20	-0.23	876.22	937.51	0.50
-0.24	835.15	1.39	10.24	0.22	877.65	949.58	0.73
-0.08	836.33	1.09	7.79	-0.40	879.56	684.47	0.71
-0.07	836.63	1.16	8.42	-0.25	881.47	1073.03	0.62
-0.21	836.93	1.23	8.96	-0.22	883.38	278.15	0.78
-0.31	837.15	1.34	9.88	0.42	885.29	162.18	0.68
-0.28	837.22	1.08	7.71	-0.13	887.20	216.96	0.67
-0.27	837.45	1.32	9.70	-0.06	888.87	31.37	1.21
-0.37	837.52	1.20	8.75	-0.38	889.11	67.06	0.72
-0.19	837.74	1.28	9.41	0.07	890.78	19.89	0.88
-0.37	837.82	1.36	10.02	-0.04	892.69	30.56	0.95
-0.28	838.04	1.34	9.87	0.00	894.60	9.23	1.01
-0.52	838.11	1.28	9.42	-0.17	896.51	0.00	1.08
-0.38	838.34	1.19	8.70	-0.02	898.42	0.00	0.95



-0.15	838.63	1.34	9.87	-0.16	900.33	16.63	0.76
-0.25	838.93	1.41	10.38	0.11	902.24	234.93	0.84
-0.23	839.52	1.40	10.32	0.33	904.15	616.71	0.31
-0.25	839.82	1.32	9.74	0.40	906.05	518.74	0.57
-0.30	840.11	1.35	9.95	0.28	907.49	303.78	0.80
-0.46	840.41	1.50	11.01	0.90	909.40	256.85	0.12
-0.46	840.71	1.10	7.88	0.23	911.31	142.76	0.63
-0.46	840.86	1.10	7.91	0.36	913.22	279.85	1.57
-0.33	841.15	0.84	5.20	0.00	915.13	1527.21	1.23
-0.29	841.45	0.80	4.64	-0.12	917.04	1994.43	1.25
-0.22	841.74	0.93	6.22	0.53	918.94	2165.95	1.46
-0.05	842.04	0.85	5.27	0.07	920.85	1834.50	1.37
-0.12	842.34	0.88	5.62	-0.17	921.96	383.77	1.27
-0.21	843.52	0.79	4.57	-0.65	922.68	229.76	0.99
-0.13	843.82	0.79	4.58	-0.65	923.41	244.97	0.06
-0.07	844.12	1.15	8.33	0.35	924.14	101.95	0.30
-0.33	844.41	0.71	3.45	-0.78	924.87	264.71	0.01
0.06	845.30	1.01	6.99	-0.35	925.60	695.08	0.43
-0.15	847.53	1.11	8.00	-0.51	926.33	131.51	0.81
-0.14	850.64	1.29	9.44	-0.12	927.05	133.77	0.90
-0.17	850.94	1.60	11.65	0.36	927.78	550.37	0.42
-0.29	851.23	1.24	9.05	-0.23	928.51	289.65	0.49
-0.35	852.57	1.07	7.58	-0.74	929.24	158.62	0.75
-0.45	852.86	0.84	5.15	-1.31	929.73	1265.15	0.89
-0.27	853.46	1.01	7.04	-0.70	930.29	607.90	0.89
-0.30	854.94	0.74	3.88	-1.54	930.85	558.37	0.98
-0.28	855.23	1.07	7.60	-0.74	931.41	100.14	0.43
-0.28	855.53	0.81	4.79	-1.36	931.97	163.76	0.76
-0.42	855.83	1.00	6.94	-0.88	932.53	608.59	0.87
-0.49	856.12	0.73	3.78	-1.69	933.08	687.25	1.16
-0.41	857.01	1.61	11.67	0.33	933.64	178.33	1.17
-0.49	857.31	1.26	9.28	-0.26	934.20	374.48	0.97
-0.33	857.61	1.24	9.06	0.01	934.76	180.34	1.03
-0.40	857.90	1.41	10.37	0.29	935.32	9.39	0.58
-0.40	858.20	1.57	11.44	0.96	935.88	4.44	0.19
-0.36	859.39	0.82	4.96	-0.27	936.43	0.00	0.48
-0.53	860.84	1.16	8.38	0.14	936.99	0.00	0.83
-0.46	862.30	0.98	6.74	-0.18	937.55	16.01	1.13
-0.52	863.75	0.95	6.41	-0.05	938.11	0.00	1.16
-0.44	865.21	1.09	7.81	0.47	938.67	4.13	0.97
-0.33	866.66	1.04	7.37	1.05	939.22	47.94	0.89
-0.46	868.12	1.14	8.27	1.08	939.78	3.88	1.16
-0.41	869.57	1.19	8.67	1.09	940.20	0.00	1.11
-0.56	871.03	1.17	8.53	1.10	940.76	0.00	0.74
-0.47	872.39	1.11	8.01	0.91	941.32	4.12	0.14
-0.43	873.35	1.14	8.20	0.77	941.88	0.00	0.82
-0.45	874.30	1.19	8.67	0.89	942.43	8.63	0.79
-0.51	875.26	1.17	8.47	0.93	942.99	0.00	1.01
-0.47	876.21	0.99	6.85	0.52	943.55	19.76	1.17
-0.48	877.17	1.40	10.33	1.04	944.11	0.00	1.05

-0.43	877.64	0.99	6.87	0.19	944.67	0.00	0.66
-0.59	878.60	0.64	2.48	-1.06	945.23	0.00	0.56
-0.53	879.55	0.71	3.49	-0.81	945.78	4.12	0.98
-0.76	880.51	0.80	4.72	-0.08	946.34	3.75	0.75
-0.78	881.46	0.81	4.84	0.02	946.90	21.60	0.46
-0.93	882.42	0.80	4.68	0.30	947.46	3.86	0.83
-0.83	883.37	0.88	5.64	0.55	948.02	3.70	-0.15
-0.60	884.33	0.90	5.89	0.26	948.58	0.00	1.05
-0.59	885.28	1.11	7.99	0.79	949.13	11.61	0.98
-0.87	886.24	1.07	7.60	1.04	949.69	0.00	0.55
-0.55	887.19	1.01	7.03	0.91	950.25	0.00	0.61
-0.33	888.15	0.96	6.48	0.40	950.67	4.31	0.94
-0.35	888.86	0.91	5.98	0.29	951.23	23.17	0.92
-0.35	889.10	0.95	6.41	0.09	952.57	0.00	1.24
-0.45	889.82	0.88	5.71	-0.45	954.44	13.26	0.74
-0.35	890.06	0.81	4.80	-0.51	956.31	109.64	0.56
-0.23	890.77	0.95	6.43	-0.06	958.18	1422.61	0.78
-0.28	891.73	0.90	5.89	-0.40	960.05	2130.33	0.62
-0.31	892.68	1.10	7.92	0.11	961.92	2197.45	-0.41
-0.38	893.64	1.16	8.41	0.31	962.85	1180.84	-0.22
-0.36	894.59	1.01	7.03	-0.06	963.33	535.53	0.33
-0.30	895.55	1.00	6.90	-0.50	964.28	371.08	-0.25
-0.34	896.50	1.07	7.61	-0.29	965.23	460.83	0.47
-0.37	897.46	1.18	8.56	0.01	966.19	0.00	0.59
-0.53	898.41	1.31	9.64	0.29	967.14	38.01	0.49
-0.80	899.37	1.10	7.89	-0.20	968.09	72.10	0.81
-0.70	900.32	1.72	12.36	0.91	969.04	82.00	1.28
-0.56	901.28	1.32	9.70	0.39	969.99	419.19	0.23
-0.54	902.23	1.00	6.97	-0.26	970.94	391.66	0.51
-0.55	903.19	1.12	8.06	0.61	971.89	277.43	0.16
-0.34	904.14	1.17	8.49	0.73	972.84	0.00	0.10
-0.47	906.05	1.17	8.48	0.73	973.79	34.42	0.32
-0.22	907.01	1.16	8.38	0.93	974.75	43.20	0.30
-0.27	907.49	1.16	8.42	0.62	975.22	4.44	0.42
-0.25	908.44	1.23	9.03	0.75	975.70	0.00	0.71
-0.15	909.40	1.16	8.40	0.31	976.41	4.32	0.86
-0.45	910.35	1.04	7.33	-0.10	977.36	25.14	0.58
-0.23	911.31	1.15	8.31	0.04	978.31	159.31	0.56
-0.10	912.26	0.99	6.84	-0.18	979.26	160.24	0.00
-0.03	913.22	1.11	8.01	-0.02	980.21	1024.58	0.50
0.03	914.17	0.87	5.56	-0.39	981.17	639.40	0.16
0.10	915.13	1.18	8.62	0.17	982.12	1788.90	1.09
0.11	916.08	0.93	6.22	-0.12	983.07	873.41	1.03
-0.22	917.99	0.77	4.28	0.31	984.02	65.20	0.67
-0.01	918.95	0.99	6.86	1.06	984.97	57.77	0.86
-0.02	919.90	1.10	7.93	1.35	985.92	138.95	1.14
-0.17	920.86	1.01	7.07	1.09	986.87	461.99	0.99
-0.19	921.59	1.16	8.42	1.01	987.82	22.39	1.13
-0.03	921.96	1.19	8.64	1.17	988.56	598.81	1.31
-0.43	922.32	1.27	9.29	0.84	989.28	348.42	0.94

-0.23	922.69	0.87	5.51	-0.04	990.01	206.15	0.79
-0.30	923.05	0.86	5.44	-0.01	990.73	252.61	0.53
-0.42	923.41	1.05	7.42	0.36	991.45	207.53	0.61
-0.37	923.78	0.80	4.74	-0.35	992.18	54.01	0.79
-0.36	924.14	0.77	4.31	-0.35	992.72	20.04	0.76
-0.33	924.51	0.76	4.17	-0.68	993.44	0.00	0.94
-0.40	924.87	0.96	6.52	-0.55	994.17	0.00	1.12
-0.31	925.23	0.82	4.93	-0.34	994.89	0.00	0.98
-0.61	925.60	0.86	5.40	-0.28	995.61	20.68	0.53
-0.29	925.96	0.81	4.84	-0.43	996.34	39.65	0.95
-0.30	926.33	0.78	4.45	-0.68	997.06	29.71	0.77
-0.26	927.05	1.28	9.42	0.35	997.78	0.00	1.08
-0.27	927.42	0.99	6.86	-0.25	998.51	10.51	1.06
-0.32	927.78	0.85	5.30	-0.40	999.23	11.15	0.87
-0.54	928.15	1.01	7.00	0.04	999.95	20.02	1.12
-0.68	928.51	1.04	7.28	-0.13	1000.68	63.61	1.25
-0.48	929.24	1.32	9.67	0.59	1001.40	386.30	1.18
-0.68	929.59	1.04	7.30	0.27	1002.12	418.77	0.61
-0.74	929.73	0.98	6.73	0.34	1002.85	695.07	0.31
-0.78	930.01	0.87	5.53	-0.01	1003.57	376.15	0.27
-0.77	930.29	0.90	5.85	0.21	1004.33	108.17	0.39
-0.50	930.57	0.79	4.52	-0.39	1005.43	11.11	-0.14
-0.65	930.85	0.83	5.10	-0.33	1006.54	3.74	-0.26
-0.63	931.13	0.92	6.13	-0.12	1007.36	9.53	0.78
-0.49	931.41	1.16	8.44	0.34	1008.47	40.73	0.52
-0.46	931.69	0.99	6.85	-0.04	1009.57	658.69	1.08
-0.41	931.97	1.06	7.55	0.17	1010.67	159.69	0.88
-0.66	932.25	1.07	7.62	0.28	1011.78	583.83	0.61
-0.49	932.52	1.11	7.98	0.38	1012.88	801.20	0.71
-0.41	932.80	0.86	5.39	-0.03	1013.98	22.32	0.50
-0.29	933.08	0.93	6.19	0.01	1015.08	54.53	0.26
-0.43	933.36	0.84	5.23	-0.14	1016.19	0.00	0.21
-0.41	933.64	1.04	7.35	0.25	1017.29	17.91	-0.57
-0.43	933.92	0.97	6.65	0.20	1018.39	9.00	0.92
-0.51	934.20	1.00	6.96	0.31	1019.50	52.63	0.13
-0.39	934.48	1.02	7.16	-0.03	1020.60	1667.98	0.09
-0.69	934.76	0.98	6.71	-0.03	1021.70	789.87	0.51
-0.42	935.04	1.09	7.82	-0.08	1022.80	362.56	0.39
-0.39	935.32	1.12	8.05	-0.02	1023.36	208.61	0.82
-0.29	935.59	0.98	6.77	-0.36	1024.46	38.67	1.17
-0.14	935.87	1.18	8.61	0.31	1025.56	310.94	0.84
-0.33	936.15	1.05	7.46	-0.59	1026.67	37.63	0.52
-0.21	936.43	1.04	7.35	-0.72	1027.49	89.96	0.70
-0.11	936.71	1.24	9.12	-0.24	1028.04	38.39	0.32
-0.07	936.99	1.10	7.86	-0.53	1029.15	100.21	0.41
-0.26	937.27	1.05	7.39	-0.65	1030.25	219.23	0.26
-0.17	938.94	1.14	8.24	-0.51	1031.35	810.26	0.38
-0.29	939.78	1.34	9.82	-0.07	1032.46	332.23	0.31
-0.07	940.06	1.24	9.08	-0.26	1033.56	375.44	0.47
0.05	940.20	1.61	11.69	0.22	1034.66	21.66	0.47

0.14	940.48	1.25	9.13	-0.21	1035.76	19.86	0.40
0.14	940.76	1.14	8.23	-0.47	1036.87	57.09	-0.26
0.23	941.04	1.42	10.42	0.20	1037.97	142.37	-0.20
0.21	941.32	1.14	8.26	-0.45	1039.07	11.51	0.34
0.18	941.60	1.20	8.72	-0.34	1040.18	22.44	0.12
0.09	941.88	1.22	8.90	-0.12	1041.28	6.12	0.65
0.09	942.15	1.03	7.23	-0.51	1042.38	35.31	0.46
0.13	942.43	1.15	8.31	-0.41	1043.48	46.53	0.64
0.20	942.71	1.08	7.74	-0.54	1044.59	8.41	0.47
0.17	942.99	1.22	8.93	-0.31	1045.69	0.00	0.81
0.20	943.27	1.07	7.60	-0.55	1046.79	25.18	0.43
0.17	943.55	1.30	9.59	-0.11	1047.90	62.19	0.47
0.07	943.83	1.12	8.02	-0.67	1048.72	104.40	0.83
0.04	944.11	1.05	7.46	-0.46	1049.83	665.57	0.24
0.07	944.39	1.24	9.06	-0.07	1050.93	753.83	0.74
0.05	944.67	1.06	7.53	-0.65	1052.03	588.00	0.66
0.00	944.95	1.08	7.66	-0.49	1053.14	656.26	0.53
-0.14	945.22	1.13	8.13	-0.37	1054.24	976.61	0.94
0.02	945.50	1.15	8.36	-0.20	1055.34	555.32	0.71
0.03	945.78	1.11	7.99	-0.42	1056.44	677.74	0.19
0.06	946.06	1.06	7.48	-0.52	1057.55	561.62	0.54
-0.04	946.62	1.26	9.24	-0.40	1058.65	264.89	-0.34
-0.06	946.90	1.26	9.27	-0.12	1059.75	674.01	1.14
-0.10	947.18	1.34	9.87	0.19	1060.86	178.53	0.85
-0.16	947.46	1.22	8.89	-0.02	1061.96	54.69	0.75
-0.01	947.74	1.27	9.34	0.07	1063.06	65.29	1.00
-0.28	948.02	1.12	8.08	-0.28	1064.16	0.00	0.95
-0.09	948.30	1.07	7.65	-0.37	1065.27	0.00	0.57
-0.05	948.57	0.88	5.64	-0.88	1066.37	0.00	0.40
-0.03	948.85	0.92	6.13	-0.82	1067.47	13.43	1.22
-0.35	949.13	1.09	7.80	-0.42	1068.58	0.00	1.00
-0.17	949.41	1.01	7.06	-0.53	1069.68	0.00	1.00
-0.24	949.69	1.16	8.38	0.00			0.97
-0.35	950.53	0.89	5.78	-0.68			0.84
-0.26	950.67	0.99	6.81	-0.57			0.78
-0.29	951.23	0.95	6.37	-0.78			0.79
-0.01	951.63	0.86	5.38	-1.01			0.61
-0.03	952.57	1.05	7.45	-0.43			0.80
-0.08	953.50	0.85	5.28	-1.01			0.58
-0.01	954.44	0.92	6.14	-0.86			0.77
0.01	956.31	0.90	5.90	-0.81			0.80
-0.10	957.25	0.75	4.07	-1.01			0.66
-0.05	958.18	0.76	4.24	-0.93			0.49
0.02	961.92	0.63	2.28	-0.53			0.91
-0.22	962.86	1.00	6.92	0.66			1.08
-0.12	963.33	0.91	6.02	0.20			0.75
-0.05	964.28	0.84	5.19	-0.59			0.83
0.02	964.76	0.99	6.79	-0.13			0.05
-0.18	965.24	0.91	6.02	-0.39			0.96
-0.06	965.71	0.88	5.60	-0.43			0.87

-0.07	966.19	0.85	5.31	-0.50	0.00
-0.10	966.66	0.90	5.82	-0.36	1.00
-0.06	967.14	0.99	6.86	-0.14	0.64
-0.07	967.61	1.02	7.11	-0.14	1.27
-0.02	968.09	1.34	9.83	0.41	0.70
0.07	968.56	0.99	6.80	-0.48	0.55
0.10	969.04	0.94	6.31	-0.52	0.82
-0.01	969.51	1.11	8.00	-0.07	0.82
-0.03	969.99	1.18	8.58	0.18	0.49
-0.10	970.47	1.03	7.22	-0.33	0.48
-0.31	970.94	1.25	9.18	0.49	1.05
-0.08	971.42	1.42	10.41	1.29	0.74
-0.06	971.89	0.93	6.16	0.35	1.01
-0.13	972.37	0.98	6.72	0.49	0.97
-0.12	972.84	0.98	6.72	0.40	0.35
-0.17	973.32	1.06	7.52	0.45	0.77
-0.07	973.79	1.11	8.00	0.19	0.54
-0.11	974.27	1.12	8.07	0.22	0.68
-0.28	974.75	1.04	7.29	-0.14	0.39
-0.28	975.22	1.04	7.37	-0.36	0.92
-0.28	975.70	1.09	7.82	-0.26	0.80
-0.21	975.93	1.04	7.36	-0.20	0.10
-0.24	976.41	1.10	7.87	-0.07	0.52
-0.38	976.89	1.06	7.53	-0.24	0.65
-0.36	977.36	1.02	7.17	-0.30	0.55
-0.30	977.84	1.02	7.13	-0.41	0.90
-0.19	978.31	1.01	7.06	0.15	0.00
-0.26	978.79	1.12	8.03	0.25	0.85
-0.12	979.26	1.09	7.78	0.20	0.42
-0.14	979.74	1.15	8.37	0.46	0.29
-0.34	980.21	1.10	7.85	0.50	0.86
-0.14	983.07	0.97	6.58	-0.08	0.04
-0.13	983.54	1.00	6.97	0.03	0.35
-0.03	984.02	0.81	4.79	-0.72	0.43
-0.06	984.49	0.96	6.54	-0.39	0.35
-0.38	984.97	1.03	7.19	-0.22	0.49
-0.03	985.44	0.96	6.51	-0.40	0.83
0.08	985.92	1.07	7.63	0.06	0.75
-0.21	986.40	1.01	7.07	0.28	0.48
-0.21	986.87	1.01	7.04	0.17	0.72
-0.19	987.35	1.14	8.26	0.57	0.15
-0.14	987.82	1.19	8.68	0.62	0.81
-0.07	988.20	0.96	6.52	0.51	0.46
0.12	988.56	0.96	6.53	0.43	0.80
0.15	988.92	1.00	6.92	0.56	0.30
0.07	989.28	0.94	6.36	0.30	-0.06
0.21	989.64	1.00	6.95	0.51	0.51
0.23	990.00	1.03	7.21	0.60	0.62
0.41	990.37	1.06	7.48	0.70	0.17
0.36	990.73	1.14	8.20	0.84	0.10

0.32	991.09	1.07	7.61	0.41	0.26
0.37	991.45	1.10	7.90	0.72	0.41
0.37	991.81	1.11	7.97	0.61	0.45
0.29	992.17	0.92	6.05	0.12	0.58
0.21	992.72	1.02	7.14	0.23	0.04
0.20	993.08	1.15	8.37	0.22	0.59
0.21	993.44	1.19	8.69	0.29	-0.23
0.22	993.80	1.09	7.83	0.24	-0.31
0.17	994.16	1.20	8.73	0.46	-0.17
0.21	994.53	1.20	8.73	0.23	0.23
0.09	994.89	1.27	9.30	0.36	0.05
0.36	995.25	1.11	7.98	0.04	-0.26
0.22	995.61	0.97	6.60	-0.57	0.05
0.21	995.97	1.11	8.02	-0.03	-0.24
0.08	996.33	1.20	8.75	0.17	0.11
0.36	996.70	0.98	6.69	-1.04	0.03
0.37	997.06	0.90	5.88	-0.93	0.21
0.25	997.42	1.07	7.59	-0.76	0.09
0.41	997.78	0.97	6.62	-0.76	0.51
0.17	998.14	1.00	6.91	-0.62	0.80
0.16	998.50	1.01	7.00	-0.61	0.20
0.16	998.87	0.82	4.94	-0.93	0.30
0.11	999.23	0.97	6.66	-0.44	0.25
0.04	999.59	0.99	6.86	-0.33	0.50
0.05	999.95	1.02	7.14	-0.39	0.29
0.03	1000.31	0.95	6.43	-0.47	0.60
0.21	1000.68	1.08	7.66	0.04	0.69
0.18	1001.04	1.01	7.02	-0.13	0.13
0.23	1001.40	0.89	5.72	-0.31	0.68
0.27	1001.76	1.13	8.17	0.17	0.64
0.37	1002.12	0.61	1.95	-1.49	0.57
0.27	1002.48	0.72	3.59	-0.53	0.63
0.46	1002.85	0.76	4.16	-0.62	0.72
0.31	1003.21	0.83	5.12	-0.38	0.64
0.33	1003.57	0.96	6.57	0.05	0.37
0.31	1003.93	1.05	7.39	0.19	0.41
0.32	1004.33	1.15	8.35	0.29	0.46
0.41	1004.88	1.02	7.10	-0.01	0.65
0.51	1005.43	0.98	6.73	-0.19	0.28
0.43	1005.98	0.98	6.75	-0.18	0.32
0.52	1006.54	0.93	6.24	-0.49	0.13
0.54	1006.81	1.42	10.42	0.51	0.35
0.52	1007.36	0.95	6.40	-0.65	0.42
0.48	1007.92	1.02	7.09	-0.47	0.91
0.48	1008.47	1.02	7.08	-0.07	0.24
0.44	1009.02	1.03	7.25	0.04	0.79
0.51	1009.57	0.93	6.22	0.04	0.80
0.51	1010.12	0.76	4.23	-0.36	0.52
0.37	1010.67	0.98	6.72	-0.15	0.12
0.45	1011.22	1.05	7.38	0.04	1.38

0.39	1011.78	1.04	7.33	0.09	0.67
0.24	1012.33	0.92	6.06	-0.27	1.64
0.27	1012.88	1.16	8.41	0.34	1.36
0.28	1013.43	0.97	6.60	-0.04	0.69
-0.53	1013.98	1.05	7.39	-0.16	0.84
-0.22	1015.08	1.00	6.96	-0.32	0.67
-0.70	1015.64	0.99	6.80	-0.35	0.33
-0.24	1016.19	0.99	6.88	-0.26	0.99
-0.06	1016.74	1.19	8.68	0.09	1.12
0.01	1017.29	1.25	9.14	0.26	0.91
0.01	1017.84	1.07	7.57	-0.22	0.58
0.16	1018.39	1.01	7.05	-0.44	0.63
-0.13	1018.94	1.00	6.96	-0.33	0.79
0.12	1019.50	1.30	9.52	0.07	0.05
0.09	1021.15	1.13	8.13	1.06	0.31
0.03	1021.70	1.11	7.97	1.04	-0.02
0.07	1022.25	0.97	6.58	0.52	0.19
0.16	1022.81	1.16	8.46	0.84	0.50
0.04	1023.36	0.96	6.49	0.19	0.47
0.27	1023.91	1.12	8.09	0.36	0.94
0.23	1024.46	1.12	8.03	-0.06	0.53
0.21	1025.01	1.15	8.35	-0.18	0.57
0.02	1025.56	1.16	8.38	-0.20	0.97
0.08	1026.11	1.19	8.65	-0.33	0.85
0.02	1026.67	1.48	10.82	0.27	1.13
0.04	1027.49	1.13	8.18	-0.15	0.78
-0.04	1028.04	1.50	10.97	0.56	1.10
-0.27	1028.60	1.03	7.19	-0.35	0.56
-0.27	1029.70	1.09	7.78	-0.05	0.53
-0.29	1030.25	1.15	8.34	-0.04	-0.15
-0.01	1030.80	1.17	8.47	0.45	0.75
-0.03	1031.35	1.16	8.42	0.63	0.23
0.03	1031.91	0.91	6.01	-0.15	0.77
0.15	1032.46	0.84	5.19	-0.27	0.75
0.16	1033.01	1.08	7.69	0.38	1.19
0.02	1033.56	1.11	8.00	0.28	0.21
0.03	1034.11	1.11	7.93	0.15	1.06
0.26	1034.66	1.01	7.04	-0.10	0.84
0.34	1035.21	1.21	8.84	0.38	-0.04
0.35	1035.77	0.93	6.25	-0.40	0.98
0.20	1036.32	1.14	8.21	0.09	0.18
0.10	1036.87	1.11	7.94	0.03	0.13
0.14	1037.42	0.95	6.44	-0.36	0.38
0.11	1037.97	0.78	4.42	-0.84	-0.17
0.02	1038.52	0.98	6.72	-0.40	0.40
0.20	1039.07	1.37	10.07	0.57	0.56
0.14	1039.63	1.04	7.29	-0.26	0.26
0.03	1040.18	1.28	9.42	0.32	0.57
0.04	1040.73	1.12	8.08	0.23	0.37
0.00	1041.28	1.28	9.40	0.65	0.23

-0.11	1041.83	0.99	6.79	-0.08	0.81
0.34	1042.38	1.23	8.99	0.40	0.49
0.44	1042.94	1.16	8.42	0.33	0.57
0.27	1043.49	0.92	6.14	-0.36	0.62
0.37	1044.04	1.20	8.77	0.35	0.82
0.45	1044.59	1.22	8.94	0.34	0.89
0.38	1045.14	1.02	7.15	-0.19	0.77
0.46	1045.69	1.06	7.53	-0.22	1.39
-0.02	1046.24	1.05	7.46	-0.05	1.40
0.22	1046.80	1.03	7.19	-0.02	0.68
-0.34	1047.35	1.22	8.91	0.34	0.77
-0.17	1047.90	1.11	7.99	0.10	0.82
-0.14	1048.17	0.97	6.65	-0.26	0.68
-0.03	1048.73	1.17	8.51	0.32	-0.06
-0.27	1049.28	1.17	8.47	0.32	0.21
-0.40	1049.83	1.29	9.48	0.75	0.01
-0.03	1050.38	0.83	5.08	-0.31	0.01
0.05	1050.93	1.30	9.59	1.01	0.59
-0.17	1052.03	1.01	7.05	0.59	0.52
0.05	1052.59	1.38	10.13	1.16	0.43
0.21	1053.14	1.27	9.31	1.03	0.58
0.19	1054.79	0.90	5.83	0.62	0.80
0.20	1055.34	0.86	5.45	0.39	0.41
0.12	1055.90	0.98	6.73	0.56	0.87
0.02	1056.45	0.97	6.67	0.24	0.32
0.03	1057.00	0.89	5.78	0.36	0.28
-0.04	1057.55	0.98	6.71	0.27	0.46
0.14	1058.10	0.87	5.59	-0.38	0.29
-0.03	1058.65	0.82	4.90	-0.58	0.74
-0.21	1059.20	0.95	6.41	0.38	0.58
-0.01	1059.76	0.96	6.56	0.44	0.76
0.02	1060.31	0.90	5.84	0.14	0.73
0.08	1060.86	0.71	3.56	-0.62	0.70
-0.06	1061.41	0.82	5.01	-0.33	0.65
-0.10	1061.96	0.84	5.16	-0.09	0.39
-0.20	1062.51	0.91	5.96	0.07	0.75
-0.24	1063.06	0.98	6.78	0.06	0.45
0.02	1063.62	0.88	5.67	-0.31	0.41
-0.04	1064.17	0.86	5.47	-0.64	0.75
-0.14	1064.72	1.06	7.51	-0.20	0.74
-0.08	1065.27	1.02	7.18	-0.46	0.97
0.00	1065.82	0.81	4.87	-1.06	0.34
-0.06	1066.37	1.17	8.51	-0.17	0.74
-0.16	1066.93	1.23	9.04	0.07	0.45
-0.18	1067.48	1.24	9.11	-0.01	0.56
-0.29	1068.03	1.25	9.20	0.16	0.79
-0.20	1068.58	1.23	9.01	0.06	0.73
-0.26	1069.13	1.08	7.66	-0.13	0.64
-0.13	1069.68	1.15	8.29	-0.01	0.43
-0.31					0.33



-0.43							0.29
-0.47							0.77
-0.31							0.03
-0.33							-0.19
-0.30							-0.11
-0.29							-0.09
-0.20							-0.14
-0.16							0.07
-0.17							0.20
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0.03							0.65
-0.03							0.76
0.06							0.16
0.03							-0.21
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-0.33							0.08
0.08							0.69
-0.11							0.79
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-0.16							0.42
0.14							0.89
0.00							0.67
0.04							0.67
-0.05							0.95
-0.15							0.91
0.01							
-0.10							
-0.03							
-0.05							
0.03							
-0.05							
0.05							
0.07							