

Table 1-Radiocarbon and Calendar ages for North Atlantic deep-sea corals with their unique sample name, seamount and depth									
Name	Depth	Lab Code	Seamount	Region	F Modern	Fm Error	Libby Age	Age Error	Calendar Age
RBDASS05-H05_0818-1926-103-001-1098	1098	UBA06	VERRILL	Corner Rise	0.9003	0.0044	845	40	291
RBDASS05-H05_0818-1450-101-004-1316	1316	UBA04	VERRILL	Corner Rise	0.2485	0.0017	11200	55	11902
ALV-3887-1436-003-020	2441	UBA11	Muir	Muir	0.251	0.0016	11100	55	11698
ALV-3887-1436-003-017	2441	UBA08	Muir	Muir	0.2499	0.0018	11150	60	11816
ALV-3887-1324-002-001	2546	UBB02	Muir	Muir	0.2503	0.0018	11150	55	11820
ALV-3887-1324-002-006	2546	UBA18	Muir	Muir	0.24	0.0019	11450	60	12356
ALV-3887-1652-005-88	2265	UAN08	Muir	Muir	0.1773	0.002	13900	90	15444
ALV-3884-1638-004-154	2084	UAK17	Muir	Muir	0.1712	0.0018	14200	85	16093
ALV-3887-1652-005-82	2265	UAN07	Muir	Muir	0.1681	0.0019	14350	90	16447
ALV-3885-1239-001-010	2027	UAH19	Muir	Muir	0.115	0.0018	17350	130	19506
ALV-3885-1452-004-027	1878	UAN02	Muir	Muir	0.0156	0.002	33400	1000	37096
ALV-3885-1452-004-028	1878	UAN05	Muir	Muir	0.0088	0.002	38100	1800	41686
ALV-3885-1452-004-025	1878	UAN03	Muir	Muir	0.008	0.002	38800	2000	42258
ALV-3885-1452-004-026	1878	UAN04	Muir	Muir	0.0072	0.002	39600	2200	42886
ALV-3889-1353-003-002	1714	UAM02	Muir	Muir	0.0027	0.002	60000	6000	60000
ALV-3887-1436-003-021	2441	UBA12	Muir	Muir	0.0023	0.002	60000	6900	60000
ALV-3887-1436-003-022	2441	UBA13	Muir	Muir	0.0018	0.002	60000	8800	60000
ALV-3887-1436-003-002	2441	UBA19	Muir	Muir	0.0032	0.002	60000	5000	60000
ALV-3889-1326-002-001	1723	UAM03	Muir	Muir	Indistinguishable from background	0	60000		60000
ALV-3891-1646-004-005	1180	UAJ10	Gregg	New Eng	0.9019	0.0024	830	20	285
ALV-3891-1459-003-012	1176	UAM14	Gregg	New Eng	0.8434	0.0025	1370	25	696
ALV-3891-1758-006-004	1222	UAM13	Gregg	New Eng	0.7447	0.0027	2370	30	1682
ALV-3891-1646-004-B1	1180	UBA02	Gregg	New Eng	0.7295	0.0027	2530	30	1879
ALV-3891-1758-006-011	1222	UBB07	Gregg	New Eng	0.6179	0.0016	3870	20	3499
ALV-3891-1758-006-012	1222	UBB08	Gregg	New Eng	0.6032	0.0022	4060	30	3734
ALV-3891-1459-003-008	1176	UAM19	Gregg	New Eng	0.5277	0.0016	5130	25	5154
ALV-3891-1459-003-008	1176	UAM19	Gregg	New Eng	0.5234	0.0015	5200	25	5321
ALV-3891-1758-006-002	1222	UAM18	Gregg	New Eng	0.4625	0.0016	6190	25	6361
ALV-3891-1758-006-010	1222	UBB06	Gregg	New Eng	0.3285	0.003	8940	75	9347
ALV-3891-1758-006-010	1222	UBB06	Gregg	New Eng	0.3173	0.0018	9220	45	9582
ALV-3891-1646-004-002	1180	UAO05	Gregg	New Eng	0.315	0.002	9280	50	9633
ALV-3891-1646-004-006	1180	UAO04	Gregg	New Eng	0.3138	0.0016	9310	40	9656
ALV-3891-1646-004-002	1180	UAO05	Gregg	New Eng	0.3128	0.0017	9340	45	9717
ALV-3891-1758-006-009	1222	UBB05	Gregg	New Eng	0.2838	0.0018	10100	50	9562
ALV-3891-1725-005-B2	1222	UBB10	Gregg	New Eng	0.2695	0.0017	10550	50	10219
ALV-3891-1758-006-001	1222	UAM20	Gregg	New Eng	0.2529	0.0017	11050	55	10915
RBDASS05-H15_0831-2045-605-053-2459	2459	UCA06	Kelvin	New Eng	0.2448	0.0018	11300	60	12103
ALV-3891-1646-004-001	1180	UAO01	Gregg	New Eng	0.2201	0.0017	12150	65	13030
ALV-3891-1725-005-006	1222	UAN10	Gregg	New Eng	0.2177	0.0018	12250	65	13158
ALV-3891-1646-004-007	1180	UAN11	Gregg	New Eng	0.2145	0.0021	12350	75	13231
ALV-3891-1459-003-018	1176	UAN06	Gregg	New Eng	0.209	0.0017	12600	65	13440

ALV-3891-1459-003-018	1176	UAN06	Gregg	New Eng	0.209	0.0017	12600	65	13440
RBDASS05-H15_0831-2045-605-003-2459	2459	UCA03	Kelvin	New Eng	0.187	0.0017	13450	75	14554
RBDASS05-H15_0831-2045-605-035-2459	2459	UCB17	Kelvin	New Eng	0.1876	0.0017	13450	75	14554
RBDASS05-H15_0831-2045-605-034-2459	2459	UCB16	Kelvin	New Eng	0.1866	0.0018	13500	75	14646
RBDASS05-H15_0831-2045-605-036-2459	2459	UCB18	Kelvin	New Eng	0.1849	0.0017	13550	75	14736
RBDASS05-H15_0831-2045-605-013-2459	2459	UBB20	Kelvin	New Eng	0.1837	0.0018	13600	80	14837
RBDASS05-H15_0831-2045-605-033-2459	2459	UCB15	Kelvin	New Eng	0.1835	0.0019	13600	85	14830
RBDASS05-H15_0831-2045-605-008-2459	2459	UBB18	Kelvin	New Eng	0.1806	0.0017	13750	75	15130
RBDASS05-H15_0831-2045-605-037-2459	2459	UCB19	Kelvin	New Eng	0.1794	0.0017	13800	80	15230
RBDASS05-H15_0831-2045-605-001-2459	2459	UCA01	Kelvin	New Eng	0.1787	0.0019	13850	85	15351
RBDASS05-H15_0831-2045-605-007-2459	2459	UCA10	Kelvin	New Eng	0.1778	0.0019	13850	85	15351
RBDASS05-H15_0831-1616-601_3-003-2593	2593	UBB17	Kelvin	New Eng	0.1675	0.0019	14350	90	16447
RBDASS05-H15_0831-2045-605-020-2459	2459	UCA05	Kelvin	New Eng	0.1676	0.0018	14350	85	16454
ALV-3891-1725-005-009	1222	UAI08	Gregg	New Eng	0.0112	0.002	36100	1400	39925
ALV-3890-1718-006-004	1421	UAL01	Manning	New Eng	0.0026	0.002	60000	6200	60000
RBDASS05-H07-0821-0513-112-007-1929	1929	NTWH2-A01	GOODE	Corner Rise	0.022606356	0.001727	30441	613.6506	33940
RBDASS05-H07-0821-0513-112-013-1929	1929	NTWH2-A03	GOODE	Corner Rise	0.020251203	0.001737	31325	688.921	34931
RBDASS05-H07-0821-0513-112-008-1929	1929	NTWH2-A10	GOODE	Corner Rise	0.022432676	0.001727	30503	618.3412	33994
RBDASS05-H09-0823-0225-216-022-1610	1610	NTWH2-B10	KUK	Corner Rise	0.149192433	0.001654	15283	89.07668	17371
RBDASS05-h09-0822-1800-201-001-1840	1840	NTWH2-B11	KUK	Corner Rise	0.023891942	0.00172	29997	578.3519	33534
RBDASS05-h09-0822-1800-201-002-1840	1840	NTWH2-B13	KUK	Corner Rise	0.144482429	0.001663	15541	92.44123	17697
RBDASS05-h09-0823-0349-217-012-1494	1494	NTWH2-B15	KUK	Corner Rise	0.074086005	0.001692	20906	183.4294	23783
RBDASS05-h09-0823-0349-217-007-1494	1494	NTWH2-B19	KUK	Corner Rise	0.150734575	0.001662	15200	88.58033	17281
RBDASS05-h09-0823-0349-217-009-1494	1494	ntwh2-b20	KUK	Corner Rise	0.033232854	0.001453	27346	351.3285	30945
RBDASS05-h09-0823-0225-216-006-1610	1610	ntwh2-b22	KUK	Corner Rise	0.079736992	0.001414	20316	142.4827	23013
RBDASS05-h09-0823-0225-216-002-1610	1610	ntwh2-b23-2	KUK	Corner Rise	0.027834734	0.001435	28770	414.0346	32031
RBDASS05-h09-0822-1800-201-003-1840	1840	NTWH2-B25	KUK	Corner Rise	0.142912541	0.001801	15628	101.2345	17796

RBDASS05-H03-0815-0156-304-001-1583	1583	NTWH2-A02	LYMAN	Corner Rise	0.07011065	0.00169	21349	193.5958	24277
RBDASS05-H03-0815-0156-304-005-1583	1583	NTWH2-A04	LYMAN	Corner Rise	0.050698724	0.001714	23953	271.588	27718
RBDASS05-H03-0814-2151-301-003-1634	1634	NTWH2-A07	LYMAN	Corner Rise	0.031385127	0.001716	27806	439.2525	31226
RBDASS05-H03-0815-1004-314-3-003-1427	1427	NTWH2-A08	LYMAN	Corner Rise	0.004069046	0.001748	44216	3450.126	46317
RBDASS05-h03-0815-0156-304-007-1583	1583	NTWH2-B24	LYMAN	Corner Rise	0.079867696	0.001831	20302	184.1874	22997
RBDASS05-H03-0815-1004-314-3-001-1427	1427	NTWH2-H48	LYMAN	Corner Rise	0.156495912	0.001761	14899	90.37036	16974
RBDASS05-H03-0815-1004-314-3-002-1427	1427	NTWH2-H49	LYMAN	Corner Rise	0.162916649	0.00178	14576	87.77029	16734
RBDASS05-H03-0815-1004-314-3-002-1427	1427	NTWH2-h49-2	LYMAN	Corner Rise	0.166480288	0.002596	14402	125.2558	16492
RBDASS05-H03-0814-2151-301-007-1634	1634	NTWH2-H50	LYMAN	Corner Rise	0.025308853	0.001429	29534	453.5759	32914
RBDASS05-H03-0814-2151-301-011-1634	1634	NTWH2-H51	LYMAN	Corner	0.025102683	0.001428	29600	456.9734	33013

				Rise					
ALV-4162-1916-008-033-1943	1943	NTWH2-B08	PICKETT	Corner Rise	0.154179863	0.001755	15019	91.43939	17074
ALV-4162-1628-003-014-2006	2006	NTWH2-B09	PICKETT	Corner Rise	0.15743311	0.001679	14851	85.69135	16939
ALV-4162-1916-008-009-1943	1943	NTWH2-B12	PICKETT	Corner Rise	0.157594549	0.001848	14843	94.19847	16935
ALV-4162-1457-001-003-2086	2086	NTWH2-B14	PICKETT	Corner Rise	0.242932693	0.001804	11366	59.63946	12236
ALV-4162-1457-001-004-2086	2086	NTWH2-B16	PICKETT	Corner Rise	0.16879048	0.001648	14291	78.40868	16315
ALV-4162-1628-003-034-2006	2006	NTWH2-B17	PICKETT	Corner Rise	0.165186262	0.001646	14465	80.02381	16634
ALV-4162-1628-003-024-2006	2006	NTWH2-B18	PICKETT	Corner Rise	0.170711986	0.001891	14201	88.99835	16092
ALV-4162-1916-008-030-1943	1943	NTWH2-B21	PICKETT	Corner Rise	0.162814177	0.002014	14581	99.3818	16733
ALV-4162-1457-001-002-2086	2086	NTWH2-B26	PICKETT	Corner Rise	0.159293781	0.001794	14757	90.44924	16876
RBDASS05-H06-0819-1631-210-5-012-1640	1640	NTWH2-A05	VERRILL	Corner Rise	0.069612689	0.001691	21406	195.1296	24349
RBDASS05-H06-0819-1019-205-001-1950	1950	NTWH2-A06	VERRILL	Corner Rise	0.006666607	0.001799	40251	2167.534	43407
RBDASS05-H05-0818-1450-101-003-1316	1316	NTWH2-A09	VERRILL	Corner Rise	0.254618056	0.001625	10989	51.2573	10760
RBDASS05-H06-0819-0534-201-5-001-2113	2113	NTWH2-B01	VERRILL	Corner Rise	0.220416617	0.001635	12148	59.60056	13028
RBDASS05-H06-0819-0534-201-5-007-2113	2113	NTWH2-B02	VERRILL	Corner Rise	0.22748027	0.00185	11894	65.33279	12768
RBDASS05-H06-0819-1019-205-017-1950	1950	NTWH2-B03	VERRILL	Corner Rise	0.006826541	0.001735	40060	2041.48	43271
RBDASS05-H06-0819-0534-201-5-004-2113	2113	NTWH2-B04-2	VERRILL	Corner Rise	0.236097302	0.001643	11596	55.89012	12553
RBDASS05-H06-0819-1019-205-012-1950	1950	NTWH2-B05	VERRILL	Corner Rise	0.006717979	0.001738	40189	2077.676	43367
RBDASS05-H06-0819-1631-210-5-020-1640	1640	NTWH2-B06	VERRILL	Corner Rise	0.073466138	0.001706	20974	186.5321	23865
RBDASS05-H06-0819-1631-210-5-019-1640	1640	NTWH2-B07	VERRILL	Corner Rise	0.079860057	0.001686	20303	169.63	22998
RBDASS05-H05-0818-1450-101-001-1316	1316	UBA01	VERRILL	Corner Rise	0.254763664	0.001423	10984	44.87583	10742