

**Table 8a** – Calibration data for NH zone 1

Year AD	$\Delta^{14}\text{C}$ (‰)	$1\sigma$ (‰)	$F^{14}\text{C}$	$1\sigma$	Year AD	$\Delta^{14}\text{C}$ (‰)	$1\sigma$ (‰)	$F^{14}\text{C}$	$1\sigma$
1955.50	21.1	6.3	1.0218	0.0063	1962.37	366.0	6.0	1.3680	0.0060
1956.50	37.9	14.7	1.0387	0.0147	1962.53	393.0	6.0	1.3951	0.0060
1957.50	100.7	16.2	1.1017	0.0163	1962.62	416.0	6.0	1.4182	0.0060
1958.50	167.2	4.8	1.1684	0.0048	1962.70	393.0	8.0	1.3951	0.0080
1959.12	180.5	7.5	1.1818	0.0075	1962.79	382.0	6.0	1.3841	0.0060
1959.20	196.0	4.9	1.1973	0.0050	1962.87	408.0	6.0	1.4102	0.0060
1959.28	228.0	7.0	1.2294	0.0070	1962.95	422.5	10.0	1.4247	0.0100
1959.37	232.0	9.0	1.2334	0.0090	1963.04	415.7	5.5	1.4179	0.0055
1959.45	276.0	7.0	1.2775	0.0070	1963.12	461.0	12.0	1.4633	0.0120
1959.53	248.0	7.0	1.2494	0.0070	1963.20	485.9	9.6	1.4883	0.0097
1959.62	270.0	10.0	1.2715	0.0100	1963.28	558.0	13.6	1.5605	0.0136
1959.70	250.0	6.0	1.2515	0.0060	1963.37	647.4	3.8	1.6501	0.0038
1959.79	235.0	6.4	1.2365	0.0064	1963.45	762.0	28.6	1.7649	0.0286
1959.87	227.0	4.0	1.2285	0.0040	1963.53	880.4	12.7	1.8835	0.0127
1959.95	216.0	7.0	1.2175	0.0070	1963.62	980.4	16.8	1.9836	0.0168
1960.04	198.0	7.0	1.1995	0.0070	1963.70	974.2	29.1	1.9775	0.0292
1960.12	204.0	5.0	1.2055	0.0050	1963.79	851.2	31.0	1.8543	0.0311
1960.20	204.4	5.3	1.2059	0.0053	1963.87	821.3	30.9	1.8243	0.0310
1960.29	202.0	7.0	1.2035	0.0070	1963.95	813.2	29.3	1.8163	0.0294
1960.37	219.0	6.0	1.2205	0.0060	1964.04	804.0	13.3	1.8071	0.0134
1960.45	234.0	5.0	1.2356	0.0050	1964.12	797.7	15.2	1.8008	0.0153
1960.54	231.0	6.0	1.2326	0.0060	1964.20	798.8	13.7	1.8019	0.0137
1960.62	221.0	7.0	1.2226	0.0070	1964.29	834.8	4.8	1.8380	0.0048
1960.70	215.0	8.0	1.2166	0.0080	1964.37	891.7	10.9	1.8950	0.0109
1960.79	209.0	7.0	1.2106	0.0070	1964.45	916.4	4.4	1.9197	0.0045
1960.87	205.0	7.0	1.2066	0.0070	1964.54	912.1	28.6	1.9155	0.0286
1960.95	209.0	7.0	1.2106	0.0070	1964.62	897.3	12.3	1.9007	0.0123
1961.04	202.0	7.0	1.2036	0.0070	1964.70	861.0	19.7	1.8643	0.0197
1961.12	205.0	9.0	1.2066	0.0090	1964.79	835.8	5.8	1.8391	0.0058
1961.20	220.0	8.0	1.2217	0.0080	1964.87	787.5	13.8	1.7908	0.0138
1961.29	212.0	7.0	1.2137	0.0070	1964.95	774.6	10.1	1.7778	0.0101
1961.37	215.0	8.0	1.2167	0.0080	1965.04	775.7	9.6	1.7789	0.0097
1961.45	247.0	8.0	1.2487	0.0080	1965.12	742.5	5.5	1.7457	0.0055
1961.53	227.0	7.0	1.2287	0.0070	1965.20	752.6	6.8	1.7558	0.0068
1961.62	240.0	6.0	1.2417	0.0060	1965.29	759.6	4.8	1.7629	0.0048
1961.70	205.0	7.0	1.2067	0.0070	1965.37	759.5	7.8	1.7628	0.0078
1961.79	217.0	6.0	1.2187	0.0060	1965.45	794.9	10.6	1.7983	0.0106
1961.95	238.0	6.0	1.2398	0.0060	1965.53	799.3	12.3	1.8026	0.0123
1962.04	262.0	7.0	1.2638	0.0070	1965.62	783.4	18.1	1.7868	0.0181
1962.12	286.0	5.0	1.2879	0.0050	1965.70	757.6	5.4	1.7609	0.0055
1962.20	304.0	6.0	1.3059	0.0060	1965.79	745.8	15.0	1.7492	0.0151

Year	$\Delta^{14}\text{C}$	$1\sigma$	$\text{F}^{14}\text{C}$	$1\sigma$	Year	$\Delta^{14}\text{C}$	$1\sigma$	$\text{F}^{14}\text{C}$	$1\sigma$
AD	(‰)	(‰)			AD	(‰)	(‰)		
1965.87	725.0	4.4	1.7283	0.0044	1969.45	558.0	5.1	1.5617	0.0052
1965.95	702.9	4.3	1.7062	0.0043	1969.53	555.3	12.2	1.5590	0.0122
1966.04	697.5	4.2	1.7007	0.0043	1969.62	550.5	22.7	1.5541	0.0228
1966.12	689.7	3.6	1.6930	0.0036	1969.70	539.5	8.9	1.5431	0.0089
1966.20	688.6	5.2	1.6919	0.0053	1969.79	565.8	17.8	1.5696	0.0178
1966.28	690.2	11.4	1.6936	0.0114	1969.87	552.2	6.5	1.5559	0.0065
1966.37	698.2	8.6	1.7016	0.0086	1969.95	535.2	5.9	1.5389	0.0059
1966.45	717.5	5.0	1.7209	0.0050	1970.04	546.0	4.7	1.5498	0.0047
1966.53	717.2	4.6	1.7207	0.0046	1970.12	527.9	23.5	1.5316	0.0236
1966.62	711.1	5.3	1.7145	0.0053	1970.20	518.9	4.9	1.5226	0.0049
1966.70	705.4	9.0	1.7089	0.0091	1970.28	529.6	5.0	1.5333	0.0050
1966.79	670.9	13.5	1.6743	0.0135	1970.37	532.2	11.0	1.5359	0.0110
1966.87	647.1	13.8	1.6504	0.0138	1970.45	540.3	8.4	1.5441	0.0084
1966.95	659.3	3.9	1.6627	0.0040	1970.53	536.9	5.1	1.5407	0.0051
1967.04	645.8	11.5	1.6492	0.0115	1970.62	531.4	26.2	1.5352	0.0262
1967.12	649.9	12.9	1.6533	0.0129	1970.70	538.1	12.2	1.5420	0.0123
1967.20	642.0	7.3	1.6454	0.0073	1970.79	534.2	9.8	1.5381	0.0098
1967.28	642.0	6.9	1.6455	0.0069	1970.87	509.5	5.2	1.5133	0.0052
1967.37	646.1	3.8	1.6496	0.0038	1970.95	517.3	5.7	1.5211	0.0057
1967.45	652.7	13.0	1.6562	0.0130	1971.04	499.7	7.8	1.5035	0.0078
1967.53	646.6	12.5	1.6501	0.0125	1971.12	487.8	5.6	1.4916	0.0056
1967.62	635.8	9.8	1.6393	0.0098	1971.20	475.2	6.0	1.4790	0.0060
1967.70	619.3	15.1	1.6228	0.0152	1971.28	498.1	9.5	1.5020	0.0095
1967.79	624.8	7.6	1.6283	0.0076	1971.37	526.0	12.6	1.5300	0.0126
1967.87	607.4	5.7	1.6109	0.0057	1971.45	523.3	14.8	1.5273	0.0148
1967.95	590.6	5.4	1.5941	0.0054	1971.53	494.4	20.8	1.4983	0.0208
1968.04	592.6	4.1	1.5961	0.0041	1971.62	515.5	11.4	1.5195	0.0114
1968.12	576.5	7.3	1.5799	0.0074	1971.70	498.9	10.0	1.5029	0.0100
1968.20	573.5	3.8	1.5770	0.0038	1971.79	514.2	16.8	1.5182	0.0169
1968.29	583.5	9.2	1.5870	0.0092	1971.87	478.1	5.6	1.4820	0.0056
1968.37	578.9	18.7	1.5824	0.0187	1971.95	494.2	6.6	1.4982	0.0067
1968.45	575.1	5.1	1.5786	0.0052	1972.04	505.3	5.5	1.5093	0.0056
1968.54	589.8	12.6	1.5934	0.0126	1972.12	477.5	6.7	1.4814	0.0067
1968.62	583.6	32.2	1.5872	0.0322	1972.20	481.5	4.7	1.4855	0.0047
1968.70	572.9	16.8	1.5765	0.0168	1972.29	479.5	9.7	1.4835	0.0097
1968.79	559.2	16.5	1.5627	0.0165	1972.37	476.6	5.0	1.4806	0.0050
1968.87	547.8	8.7	1.5513	0.0087	1972.45	480.9	3.5	1.4849	0.0035
1968.95	555.3	7.3	1.5588	0.0073	1972.54	473.7	4.3	1.4777	0.0043
1969.04	573.1	20.7	1.5767	0.0207	1972.62	460.0	6.0	1.4640	0.0061
1969.12	540.0	13.8	1.5436	0.0138	1972.70	470.7	7.2	1.4747	0.0072
1969.20	540.0	7.0	1.5436	0.0070	1972.79	462.4	4.9	1.4664	0.0050
1969.29	553.5	24.7	1.5571	0.0248	1972.87	475.7	6.7	1.4798	0.0067
1969.37	557.8	5.1	1.5614	0.0052	1972.95	431.7	3.6	1.4357	0.0036

Year AD	$\Delta^{14}\text{C}$ (‰)	$1\sigma$ (‰)	$F^{14}\text{C}$	$1\sigma$	Year AD	$\Delta^{14}\text{C}$ (‰)	$1\sigma$ (‰)	$F^{14}\text{C}$	$1\sigma$
1973.04	435.0	9.4	1.4390	0.0094	1976.62	346.4	6.0	1.3507	0.0060
1973.12	439.8	4.0	1.4438	0.0040	1976.70	348.9	4.5	1.3533	0.0046
1973.20	434.1	8.3	1.4381	0.0084	1976.79	334.9	10.0	1.3392	0.0100
1973.29	434.0	7.7	1.4380	0.0077	1976.87	346.5	4.3	1.3509	0.0043
1973.37	421.9	14.9	1.4260	0.0149	1976.95	329.5	8.9	1.3339	0.0089
1973.45	447.5	8.1	1.4516	0.0081	1977.04	331.9	4.4	1.3363	0.0044
1973.53	429.9	12.2	1.4339	0.0122	1977.12	329.2	4.5	1.3336	0.0045
1973.62	451.0	19.4	1.4552	0.0195	1977.20	334.1	3.0	1.3385	0.0030
1973.70	446.8	13.7	1.4510	0.0138	1977.29	330.5	2.3	1.3349	0.0023
1973.79	438.0	3.4	1.4422	0.0034	1977.37	331.7	4.0	1.3361	0.0040
1973.87	438.7	5.6	1.4428	0.0056	1977.45	334.6	4.4	1.3391	0.0044
1973.95	399.7	4.7	1.4038	0.0047	1977.53	339.9	6.4	1.3443	0.0064
1974.04	422.1	11.0	1.4262	0.0110	1977.62	333.4	2.2	1.3379	0.0022
1974.12	410.1	14.0	1.4142	0.0140	1977.70	332.7	4.6	1.3371	0.0046
1974.20	418.1	9.0	1.4223	0.0090	1977.79	328.5	3.6	1.3330	0.0036
1974.28	415.6	9.0	1.4198	0.0090	1977.87	323.3	3.8	1.3278	0.0038
1974.37	418.5	7.0	1.4227	0.0070	1977.95	312.0	1.8	1.3165	0.0018
1974.45	421.7	7.0	1.4259	0.0070	1978.04	315.5	4.0	1.3199	0.0041
1974.53	415.1	6.3	1.4193	0.0063	1978.12	321.6	5.9	1.3261	0.0059
1974.62	426.1	9.0	1.4304	0.0090	1978.20	320.9	2.9	1.3254	0.0029
1974.70	401.0	13.4	1.4051	0.0135	1978.28	322.5	2.7	1.3271	0.0027
1974.79	408.5	10.5	1.4127	0.0105	1978.37	322.1	2.5	1.3267	0.0025
1974.87	396.3	18.6	1.4005	0.0186	1978.45	332.5	3.4	1.3371	0.0034
1974.95	372.9	14.7	1.3770	0.0147	1978.53	326.1	5.1	1.3307	0.0051
1975.04	374.6	15.2	1.3788	0.0152	1978.62	322.7	8.9	1.3273	0.0090
1975.12	376.2	14.5	1.3804	0.0145	1978.70	316.7	7.0	1.3212	0.0070
1975.20	364.2	11.6	1.3684	0.0116	1978.79	314.0	6.4	1.3186	0.0064
1975.28	376.8	10.6	1.3810	0.0107	1978.87	316.7	4.6	1.3213	0.0046
1975.37	377.4	13.3	1.3816	0.0134	1978.95	313.9	4.8	1.3185	0.0048
1975.45	393.8	8.0	1.3981	0.0080	1979.04	304.4	2.6	1.3090	0.0026
1975.53	403.0	12.0	1.4073	0.0120	1979.12	299.0	2.7	1.3036	0.0027
1975.62	382.0	15.0	1.3863	0.0150	1979.20	294.8	3.3	1.2994	0.0033
1975.70	393.0	11.0	1.3973	0.0110	1979.28	294.6	5.1	1.2992	0.0051
1975.79	392.0	14.0	1.3963	0.0140	1979.37	292.9	5.8	1.2975	0.0058
1975.87	369.2	4.6	1.3734	0.0046	1979.45	289.9	4.3	1.2945	0.0043
1975.95	372.7	4.7	1.3770	0.0047	1979.53	287.0	5.3	1.2916	0.0053
1976.04	359.5	6.5	1.3638	0.0065	1979.62	299.1	3.3	1.3038	0.0033
1976.12	358.8	6.2	1.3631	0.0063	1979.70	289.3	4.8	1.2939	0.0048
1976.20	340.1	13.4	1.3444	0.0135	1979.79	288.0	3.6	1.2927	0.0037
1976.29	341.7	4.3	1.3460	0.0043	1979.87	285.8	4.1	1.2905	0.0041
1976.37	344.1	2.6	1.3484	0.0026	1979.95	271.5	5.1	1.2761	0.0052
1976.45	351.4	7.3	1.3558	0.0074	1980.04	270.5	2.9	1.2751	0.0029
1976.54	357.2	3.6	1.3615	0.0036	1980.12	266.3	4.8	1.2710	0.0048

Year	$\Delta^{14}\text{C}$	$1\sigma$	$F^{14}\text{C}$	$1\sigma$	Year	$\Delta^{14}\text{C}$	$1\sigma$	$F^{14}\text{C}$	$1\sigma$
AD	(‰)	(‰)			AD	(‰)	(‰)		
1980.20	257.9	7.1	1.2625	0.0072	1983.79	225.9	3.2	1.2309	0.0032
1980.29	264.7	4.9	1.2694	0.0049	1983.87	215.6	5.4	1.2206	0.0055
1980.37	263.8	4.6	1.2685	0.0046	1983.95	215.0	6.3	1.2200	0.0064
1980.45	270.0	3.0	1.2747	0.0030	1984.04	221.5	7.1	1.2265	0.0071
1980.54	276.4	2.3	1.2811	0.0023	1984.12	212.1	7.6	1.2171	0.0076
1980.62	268.1	2.0	1.2728	0.0020	1984.20	203.8	7.1	1.2088	0.0071
1980.70	268.9	5.6	1.2736	0.0056	1984.29	209.8	3.5	1.2148	0.0035
1980.79	265.0	4.6	1.2697	0.0046	1984.37	212.7	7.2	1.2178	0.0073
1980.87	257.6	2.4	1.2624	0.0025	1984.45	213.8	1.8	1.2189	0.0018
1980.95	253.2	3.8	1.2579	0.0038	1984.54	209.4	4.5	1.2144	0.0045
1981.04	250.7	4.7	1.2554	0.0047	1984.62	210.1	4.4	1.2152	0.0044
1981.12	261.5	4.7	1.2663	0.0047	1984.70	213.3	5.5	1.2184	0.0055
1981.20	248.4	3.0	1.2532	0.0030	1984.79	213.2	2.8	1.2183	0.0028
1981.29	248.0	2.8	1.2528	0.0028	1984.87	207.4	3.9	1.2125	0.0039
1981.37	253.1	4.4	1.2579	0.0045	1984.95	216.4	15.1	1.2215	0.0151
1981.45	262.9	4.3	1.2677	0.0043	1985.04	199.7	6.0	1.2047	0.0060
1981.53	259.0	5.3	1.2638	0.0053	1985.12	197.1	5.1	1.2022	0.0051
1981.62	254.9	5.8	1.2598	0.0058	1985.20	198.9	6.7	1.2040	0.0068
1981.70	254.1	4.7	1.2589	0.0047	1985.29	200.4	5.5	1.2055	0.0055
1981.79	264.0	4.0	1.2689	0.0040	1985.37	199.8	3.6	1.2049	0.0036
1981.87	244.9	3.1	1.2497	0.0031	1985.45	204.5	2.2	1.2097	0.0023
1981.95	254.7	7.3	1.2596	0.0074	1985.53	202.9	4.2	1.2080	0.0042
1982.04	246.6	1.8	1.2514	0.0018	1985.62	205.1	1.6	1.2103	0.0016
1982.12	242.4	2.6	1.2473	0.0026	1985.70	201.0	4.9	1.2062	0.0049
1982.20	238.3	2.7	1.2432	0.0027	1985.79	193.8	3.5	1.1990	0.0035
1982.28	238.4	4.0	1.2432	0.0040	1985.87	186.2	8.2	1.1913	0.0082
1982.37	242.6	2.9	1.2475	0.0029	1985.95	190.4	3.7	1.1956	0.0038
1982.45	239.3	2.9	1.2441	0.0029	1986.04	192.0	2.9	1.1972	0.0029
1982.53	236.2	4.6	1.2411	0.0046	1986.12	190.0	7.0	1.1952	0.0070
1982.62	240.6	2.1	1.2455	0.0021	1986.20	189.2	5.0	1.1944	0.0051
1982.70	238.3	1.6	1.2433	0.0016	1986.28	185.5	7.3	1.1907	0.0074
1982.79	238.3	3.1	1.2432	0.0031	1986.37	186.8	5.4	1.1920	0.0054
1982.87	232.2	3.5	1.2371	0.0035	1986.45	185.1	3.8	1.1903	0.0039
1982.95	231.5	2.2	1.2365	0.0022	1986.53	189.3	2.4	1.1946	0.0024
1983.04	226.4	4.3	1.2313	0.0043	1986.62	191.7	1.8	1.1969	0.0018
1983.12	224.7	1.8	1.2296	0.0018	1986.70	183.4	2.6	1.1886	0.0026
1983.20	231.8	1.8	1.2367	0.0018	1986.79	188.4	3.2	1.1937	0.0033
1983.28	226.6	3.0	1.2315	0.0030	1986.87	184.6	1.7	1.1899	0.0017
1983.37	224.2	3.2	1.2291	0.0032	1986.95	179.5	1.8	1.1848	0.0018
1983.45	233.2	3.5	1.2382	0.0035	1987.04	181.6	4.2	1.1869	0.0042
1983.53	231.1	6.1	1.2361	0.0061	1987.12	179.8	11.5	1.1851	0.0116
1983.62	235.1	9.4	1.2401	0.0095	1987.20	169.6	3.9	1.1749	0.0039
1983.70	226.1	4.0	1.2311	0.0040	1987.28	177.2	6.1	1.1825	0.0061

Year	$\Delta^{14}\text{C}$	$1\sigma$	$\text{F}^{14}\text{C}$	$1\sigma$	Year	$\Delta^{14}\text{C}$	$1\sigma$	$\text{F}^{14}\text{C}$	$1\sigma$
AD	(‰)	(‰)			AD	(‰)	(‰)		
1987.37	184.0	4.0	1.1893	0.0040	1990.95	140.8	5.0	1.1465	0.0050
1987.45	185.7	3.2	1.1911	0.0033	1991.04	139.6	2.0	1.1452	0.0020
1987.53	188.7	1.7	1.1941	0.0017	1991.12	136.7	1.9	1.1424	0.0019
1987.62	188.5	2.2	1.1939	0.0022	1991.20	131.9	3.4	1.1376	0.0034
1987.70	185.9	2.0	1.1914	0.0020	1991.28	137.4	4.9	1.1431	0.0049
1987.79	179.0	2.0	1.1844	0.0020	1991.37	134.6	2.9	1.1403	0.0029
1987.87	175.4	5.7	1.1808	0.0057	1991.45	134.3	3.6	1.1400	0.0036
1987.95	164.8	4.0	1.1702	0.0040	1991.53	143.4	2.8	1.1492	0.0028
1988.04	176.7	2.1	1.1821	0.0021	1991.62	144.3	7.2	1.1500	0.0072
1988.12	168.8	1.9	1.1742	0.0019	1991.70	138.7	6.3	1.1445	0.0063
1988.20	174.6	2.3	1.1801	0.0023	1991.79	133.7	3.7	1.1394	0.0037
1988.29	166.8	2.7	1.1722	0.0027	1991.87	141.3	2.4	1.1471	0.0024
1988.37	170.3	4.2	1.1757	0.0042	1991.95	136.3	2.8	1.1420	0.0029
1988.45	170.5	2.6	1.1760	0.0027	1992.04	131.3	3.0	1.1371	0.0030
1988.54	175.9	3.2	1.1814	0.0032	1992.12	124.0	2.6	1.1297	0.0026
1988.62	173.2	3.5	1.1787	0.0035	1992.20	131.5	7.9	1.1373	0.0080
1988.70	169.5	3.1	1.1750	0.0032	1992.29	133.3	6.7	1.1391	0.0067
1988.79	171.9	3.8	1.1774	0.0038	1992.37	131.6	5.1	1.1374	0.0051
1988.87	160.6	2.7	1.1660	0.0027	1992.45	136.1	2.5	1.1419	0.0025
1988.95	165.5	2.9	1.1710	0.0029	1992.54	136.3	2.6	1.1422	0.0026
1989.04	168.9	2.0	1.1744	0.0020	1992.62	140.3	1.8	1.1462	0.0018
1989.12	167.3	2.2	1.1728	0.0022	1992.70	137.0	2.8	1.1429	0.0028
1989.20	162.6	2.0	1.1681	0.0020	1992.79	129.0	2.8	1.1348	0.0028
1989.29	159.1	2.5	1.1646	0.0025	1992.87	135.5	2.6	1.1414	0.0026
1989.37	164.8	2.5	1.1704	0.0025	1992.95	125.7	3.1	1.1315	0.0031
1989.45	162.5	1.5	1.1681	0.0015	1993.04	125.0	3.5	1.1308	0.0036
1989.53	155.4	3.0	1.1609	0.0030	1993.12	126.4	4.9	1.1323	0.0050
1989.62	161.2	2.2	1.1668	0.0022	1993.20	120.8	3.3	1.1267	0.0034
1989.70	161.7	1.9	1.1673	0.0019	1993.29	125.6	2.4	1.1315	0.0024
1989.79	159.2	2.5	1.1648	0.0025	1993.37	134.1	7.6	1.1400	0.0077
1989.87	155.7	3.3	1.1613	0.0034	1993.45	125.1	3.8	1.1311	0.0039
1989.95	150.6	2.5	1.1562	0.0025	1993.53	128.5	2.1	1.1344	0.0021
1990.04	156.0	3.2	1.1616	0.0032	1993.62	123.8	3.2	1.1298	0.0032
1990.12	157.1	1.7	1.1627	0.0017	1993.70	126.0	2.6	1.1319	0.0026
1990.20	154.8	2.9	1.1604	0.0029	1993.79	126.5	3.9	1.1325	0.0039
1990.28	148.7	2.2	1.1544	0.0022	1993.87	107.8	3.1	1.1137	0.0031
1990.37	145.5	1.7	1.1512	0.0017	1993.95	113.3	3.3	1.1193	0.0033
1990.45	153.4	3.4	1.1590	0.0034	1994.04	116.2	2.5	1.1221	0.0025
1990.53	148.6	3.1	1.1542	0.0031	1994.12	112.7	3.0	1.1186	0.0030
1990.62	147.3	5.3	1.1530	0.0053	1994.20	121.6	2.5	1.1276	0.0026
1990.70	150.3	3.8	1.1560	0.0038	1994.28	117.3	2.6	1.1233	0.0026
1990.79	149.1	3.0	1.1548	0.0030	1994.37	118.5	3.5	1.1245	0.0036
1990.87	143.9	7.3	1.1496	0.0073	1994.45	120.2	2.6	1.1263	0.0026

Year AD	$\Delta^{14}\text{C}$ (‰)	$1\sigma$ (‰)	$F^{14}\text{C}$	$1\sigma$
1994.53	118.5	2.4	1.1245	0.0024
1994.62	119.4	3.0	1.1255	0.0030
1994.70	118.9	3.8	1.1249	0.0038
1994.79	113.0	2.9	1.1190	0.0029
1994.87	120.2	2.4	1.1263	0.0025
1994.95	112.0	2.8	1.1181	0.0028
1995.04	112.6	2.7	1.1186	0.0027
1995.12	114.2	2.4	1.1203	0.0024
1995.20	113.2	2.8	1.1194	0.0028
1995.28	104.9	6.5	1.1110	0.0066
1995.37	112.2	2.9	1.1184	0.0029
1995.45	111.4	2.8	1.1175	0.0029
1995.53	116.3	2.5	1.1225	0.0026
1995.62	109.3	4.1	1.1155	0.0041
1995.70	120.7	2.9	1.1270	0.0029
1995.79	107.0	3.1	1.1131	0.0031
1995.87	108.2	3.3	1.1144	0.0033
1995.95	104.8	2.5	1.1109	0.0025
1996.04	105.5	4.6	1.1117	0.0046
1996.12	97.9	2.8	1.1041	0.0028
1996.20	94.2	3.1	1.1004	0.0031
1996.29	98.0	4.0	1.1042	0.0040
1996.37	100.2	2.5	1.1064	0.0025
1996.45	104.7	2.4	1.1109	0.0024
1996.54	107.7	2.2	1.1139	0.0022
1996.62	104.2	6.4	1.1104	0.0064
1996.70	104.0	2.1	1.1103	0.0021
1996.79	105.0	1.9	1.1113	0.0019
1996.87	108.0	2.1	1.1143	0.0021
1996.95	102.6	2.1	1.1089	0.0021
1997.04	99.0	3.0	1.1053	0.0030
1999.50	91.4	19.9	1.0980	0.0200

**Table 8b** – Calibration data for NH zone 2

Year	$\Delta^{14}\text{C}$	$1\sigma$	$\text{F}^{14}\text{C}$	$1\sigma$	Year	$\Delta^{14}\text{C}$	$1\sigma$	$\text{F}^{14}\text{C}$	$1\sigma$
AD	(‰)	(‰)			AD	(‰)	(‰)		
1955.50	12.9	13.1	1.0136	0.0131	1965.95	677.6	14.9	1.6808	0.0149
1956.50	49.8	17.5	1.0506	0.0175	1966.04	666.1	4.5	1.6693	0.0045
1957.50	81.3	14.0	1.0823	0.0140	1966.12	661.3	8.0	1.6645	0.0080
1958.50	187.2	12.5	1.1884	0.0125	1966.20	673.8	10.1	1.6770	0.0101
1959.50	235.1	18.3	1.2365	0.0183	1966.28	678.5	12.7	1.6818	0.0127
1960.50	231.2	4.6	1.2328	0.0046	1966.37	665.9	13.8	1.6692	0.0138
1961.50	222.7	5.8	1.2244	0.0058	1966.45	669.0	13.6	1.6724	0.0136
1962.50	352.0	8.5	1.3540	0.0085	1966.53	693.6	12.8	1.6970	0.0128
1963.20	504.3	7.0	1.5067	0.0070	1966.62	680.2	7.5	1.6836	0.0075
1963.28	549.6	9.5	1.5521	0.0095	1966.70	655.0	7.7	1.6584	0.0077
1963.37	668.3	12.7	1.6710	0.0127	1966.79	648.4	8.7	1.6518	0.0087
1963.45	735.0	16.1	1.7378	0.0162	1966.87	645.5	7.1	1.6489	0.0072
1963.53	882.0	24.8	1.8851	0.0248	1966.95	654.4	9.2	1.6578	0.0092
1963.62	935.5	39.0	1.9387	0.0391	1967.04	599.6	24.8	1.6029	0.0249
1963.70	892.2	42.4	1.8953	0.0425	1967.12	640.8	7.0	1.6442	0.0070
1963.79	766.1	35.9	1.7691	0.0359	1967.20	626.8	5.1	1.6302	0.0051
1963.87	775.8	43.7	1.7788	0.0438	1967.28	650.3	9.1	1.6538	0.0091
1963.95	826.4	10.2	1.8295	0.0103	1967.37	616.9	23.4	1.6203	0.0234
1964.04	772.3	11.9	1.7753	0.0120	1967.45	617.4	16.5	1.6208	0.0165
1964.12	732.2	7.7	1.7352	0.0078	1967.53	598.9	10.0	1.6023	0.0100
1964.20	719.1	13.5	1.7220	0.0135	1967.62	636.9	12.0	1.6404	0.0120
1964.29	780.0	19.5	1.7831	0.0195	1967.70	593.9	13.0	1.5973	0.0130
1964.37	772.5	7.9	1.7756	0.0080	1967.79	593.9	11.0	1.5973	0.0110
1964.45	852.9	6.3	1.8562	0.0063	1967.87	609.3	12.0	1.6128	0.0120
1964.54	849.4	13.6	1.8527	0.0136	1967.95	599.6	6.7	1.6031	0.0067
1964.62	871.8	11.8	1.8751	0.0118	1968.04	579.4	14.1	1.5829	0.0141
1964.70	813.0	27.2	1.8162	0.0272	1968.12	590.8	10.0	1.5943	0.0100
1964.79	804.6	7.0	1.8078	0.0070	1968.20	578.8	13.0	1.5823	0.0130
1964.87	769.2	17.7	1.7723	0.0177	1968.29	556.8	10.0	1.5602	0.0100
1964.95	773.3	5.3	1.7765	0.0053	1968.37	573.8	11.0	1.5773	0.0110
1965.04	762.2	7.3	1.7654	0.0073	1968.45	536.8	9.0	1.5402	0.0090
1965.12	753.6	4.9	1.7568	0.0049	1968.54	562.8	12.0	1.5663	0.0120
1965.20	738.8	12.7	1.7420	0.0127	1968.62	599.8	12.0	1.6034	0.0120
1965.29	745.5	12.1	1.7487	0.0121	1968.79	560.8	11.0	1.5644	0.0110
1965.37	749.7	14.7	1.7529	0.0148	1968.87	544.8	12.0	1.5483	0.0120
1965.45	752.7	16.1	1.7560	0.0161	1968.95	509.7	24.0	1.5132	0.0241
1965.53	755.8	15.2	1.7591	0.0152	1969.04	555.1	11.0	1.5587	0.0110
1965.62	730.6	6.2	1.7338	0.0062	1969.12	562.7	14.0	1.5663	0.0140
1965.70	691.1	20.4	1.6943	0.0205	1969.20	570.0	8.0	1.5737	0.0080
1965.79	721.0	12.5	1.7243	0.0126	1969.29	543.7	11.0	1.5473	0.0110
1965.87	726.0	20.0	1.7293	0.0200	1969.37	574.7	10.0	1.5784	0.0100

Year AD	$\Delta^{14}\text{C}$ (‰)	$1\sigma$ (‰)	$F^{14}\text{C}$	$1\sigma$
1969.45	548.7	10.0	1.5523	0.0100
1969.53	549.7	9.0	1.5534	0.0090
1969.62	546.7	9.0	1.5504	0.0090
1969.70	511.7	11.0	1.5153	0.0110
1969.79	555.7	10.0	1.5594	0.0100
1969.87	550.7	10.0	1.5544	0.0100
1969.95	545.7	7.0	1.5494	0.0070

**Note :**

Data from 1970 onwards are the same as those for NH zone 1.



**Table 8c** – Calibration data for NH zone 3

Year	$\Delta^{14}\text{C}$	$1\sigma$	$\text{F}^{14}\text{C}$	$1\sigma$	Year	$\Delta^{14}\text{C}$	$1\sigma$	$\text{F}^{14}\text{C}$	$1\sigma$
AD	(‰)	(‰)			AD	(‰)	(‰)		
1955.50	-0.2	16.7	1.0005	0.0167	1966.62	685.2	19.0	1.6886	0.0190
1956.50	16.8	4.4	1.0176	0.0044	1966.70	662.1	11.0	1.6655	0.0110
1957.50	34.7	5.6	1.0356	0.0056	1966.79	663.3	10.0	1.6667	0.0100
1958.50	127.7	5.3	1.1289	0.0053	1966.87	651.1	12.0	1.6545	0.0120
1959.50	224.6	7.2	1.2260	0.0072	1966.95	622.1	11.0	1.6254	0.0110
1960.50	204.9	5.0	1.2064	0.0050	1967.04	622.9	11.0	1.6262	0.0110
1961.50	226.5	6.3	1.2282	0.0063	1967.20	625.9	12.0	1.6293	0.0120
1962.50	292.9	6.5	1.2948	0.0065	1967.28	625.4	12.0	1.6288	0.0120
1963.37	512.4	67.0	1.5148	0.0671	1967.87	587.9	12.0	1.5913	0.0120
1963.45	506.4	10.0	1.5089	0.0100	1968.20	551.8	11.0	1.5552	0.0110
1963.53	587.1	20.0	1.5897	0.0200	1968.29	551.8	11.0	1.5552	0.0110
1963.62	671.6	29.0	1.6744	0.0290	1968.37	584.8	12.0	1.5883	0.0120
1963.70	626.9	11.0	1.6296	0.0110	1968.54	526.8	14.0	1.5302	0.0140
1963.79	671.4	11.0	1.6742	0.0110	1968.70	561.8	16.0	1.5653	0.0160
1963.87	677.4	13.0	1.6802	0.0130	1968.79	571.8	13.0	1.5754	0.0130
1963.95	645.8	18.0	1.6486	0.0180	1969.37	548.7	18.0	1.5523	0.0180
1964.12	682.3	8.0	1.6852	0.0080	1969.53	543.7	20.0	1.5474	0.0200
1964.20	671.3	20.0	1.6742	0.0200					
1964.29	659.2	22.0	1.6621	0.0220					
1964.37	685.5	29.0	1.6884	0.0291					
1964.45	719.3	29.0	1.7223	0.0291					
1964.62	692.3	11.0	1.6953	0.0110					
1964.70	715.4	13.0	1.7185	0.0130					
1964.87	724.3	12.0	1.7274	0.0120					
1964.95	719.2	6.0	1.7223	0.0060					
1965.04	733.2	11.0	1.7364	0.0110					
1965.12	712.2	11.0	1.7153	0.0110					
1965.20	696.2	10.0	1.6993	0.0100					
1965.29	693.2	12.0	1.6963	0.0120					
1965.37	705.2	12.0	1.7084	0.0120					
1965.45	712.2	12.0	1.7154	0.0120					
1965.53	722.2	13.0	1.7254	0.0130					
1965.62	727.2	12.0	1.7305	0.0120					
1965.70	706.2	12.0	1.7094	0.0120					
1965.79	709.2	12.0	1.7125	0.0120					
1965.87	723.2	14.0	1.7265	0.0140					
1965.95	717.2	12.0	1.7205	0.0120					
1966.04	690.2	17.0	1.6935	0.0170					
1966.12	597.1	12.0	1.6002	0.0120					
1966.28	661.1	12.0	1.6644	0.0120					
1966.37	647.1	12.0	1.6504	0.0120					

**Note :**

Data from 1970 onwards are the same as those for NH zone 1.

**Table 8d** – Calibration data for SH zone

Year	$\Delta^{14}\text{C}$	$1\sigma$	$F^{14}\text{C}$	$1\sigma$	Year	$\Delta^{14}\text{C}$	$1\sigma$	$F^{14}\text{C}$	$1\sigma$
AD	(‰)	(‰)			AD	(‰)	(‰)		
1955.12	-10.1	7.7	0.9905	0.0077	1960.12	192.0	8.0	1.1935	0.0080
1955.28	-1.4	7.6	0.9992	0.0076	1960.20	181.0	8.0	1.1825	0.0080
1955.37	-10.3	7.8	0.9903	0.0078	1960.29	185.3	3.9	1.1867	0.0039
1955.45	-4.1	5.9	0.9966	0.0059	1960.45	168.2	4.9	1.1697	0.0049
1955.70	-11.9	4.0	0.9888	0.0040	1960.54	180.4	8.2	1.1819	0.0082
1955.95	0.1	5.4	1.0008	0.0054	1960.70	196.1	3.0	1.1976	0.0030
1956.12	5.6	3.9	1.0063	0.0039	1960.79	197.0	7.0	1.1986	0.0070
1956.20	10.0	5.0	1.0108	0.0050	1960.87	193.3	7.9	1.1949	0.0079
1956.45	37.9	4.8	1.0387	0.0048	1960.95	193.7	4.5	1.1953	0.0045
1956.70	10.1	4.8	1.0109	0.0048	1961.04	195.7	3.2	1.1973	0.0032
1956.79	15.9	3.3	1.0167	0.0033	1961.12	198.8	4.6	1.2004	0.0046
1957.04	21.6	3.3	1.0225	0.0033	1961.20	200.1	3.7	1.2017	0.0037
1957.29	34.1	9.3	1.0350	0.0093	1961.29	196.8	3.0	1.1985	0.0030
1957.37	42.2	26.7	1.0431	0.0267	1961.37	196.7	4.5	1.1983	0.0045
1957.53	44.2	2.8	1.0452	0.0028	1961.45	180.0	7.0	1.1816	0.0070
1957.62	51.4	4.0	1.0524	0.0040	1961.53	196.8	4.1	1.1985	0.0041
1957.79	46.3	5.1	1.0473	0.0051	1961.62	205.0	3.0	1.2067	0.0030
1957.87	56.9	5.2	1.0579	0.0052	1961.70	180.8	5.0	1.1825	0.0050
1958.04	80.0	5.0	1.0811	0.0050	1961.79	182.8	5.0	1.1845	0.0050
1958.12	60.0	5.0	1.0610	0.0050	1961.87	199.3	13.8	1.2010	0.0139
1958.20	71.1	3.3	1.0721	0.0033	1961.95	203.1	8.0	1.2048	0.0080
1958.28	69.7	2.9	1.0708	0.0029	1962.04	207.4	8.4	1.2091	0.0084
1958.37	70.6	2.7	1.0717	0.0027	1962.12	196.6	10.4	1.1984	0.0104
1958.53	81.1	3.8	1.0822	0.0038	1962.20	209.5	6.0	1.2113	0.0061
1958.62	77.8	3.8	1.0789	0.0038	1962.28	221.9	7.9	1.2237	0.0079
1958.70	93.9	3.5	1.0951	0.0035	1962.37	189.4	9.5	1.1912	0.0095
1958.79	116.9	4.6	1.1181	0.0046	1962.53	238.9	5.3	1.2408	0.0053
1958.87	117.1	4.7	1.1183	0.0047	1962.70	246.7	12.9	1.2486	0.0129
1958.95	110.1	3.8	1.1113	0.0038	1962.79	281.0	9.0	1.2830	0.0090
1959.04	117.0	5.3	1.1183	0.0054	1962.87	264.3	11.3	1.2662	0.0113
1959.12	131.4	7.9	1.1326	0.0079	1962.95	259.1	7.6	1.2610	0.0076
1959.20	126.0	4.6	1.1273	0.0046	1963.04	267.6	7.0	1.2696	0.0070
1959.28	137.2	3.8	1.1385	0.0038	1963.20	168.0	2.7	1.1699	0.0027
1959.45	132.8	3.8	1.1341	0.0038	1963.28	282.9	2.7	1.2850	0.0027
1959.53	150.6	2.9	1.1519	0.0029	1963.37	312.1	3.6	1.3142	0.0037
1959.62	141.8	4.5	1.1431	0.0045	1963.45	337.0	6.0	1.3392	0.0060
1959.70	180.4	4.1	1.1818	0.0041	1963.53	352.5	18.0	1.3548	0.0180
1959.79	164.6	4.5	1.1660	0.0045	1963.62	355.6	4.3	1.3578	0.0043
1959.87	172.7	3.6	1.1741	0.0036	1963.70	411.2	4.9	1.4135	0.0049
1959.95	185.6	6.0	1.1870	0.0061	1963.79	444.0	7.0	1.4464	0.0070
1960.04	187.2	3.4	1.1886	0.0034	1963.87	374.8	4.1	1.3771	0.0041

Year	$\Delta^{14}\text{C}$	$1\sigma$	$\text{F}^{14}\text{C}$	$1\sigma$	Year	$\Delta^{14}\text{C}$	$1\sigma$	$\text{F}^{14}\text{C}$	$1\sigma$
AD	(‰)	(‰)			AD	(‰)	(‰)		
1963.95	460.7	33.7	1.4632	0.0337	1967.62	591.7	3.5	1.5951	0.0035
1964.04	466.5	22.4	1.4690	0.0225	1967.70	608.9	11.0	1.6123	0.0110
1964.20	492.3	29.8	1.4949	0.0298	1967.79	582.2	3.6	1.5856	0.0036
1964.29	531.8	15.7	1.5344	0.0157	1967.87	588.3	6.6	1.5917	0.0066
1964.37	522.3	14.6	1.5249	0.0146	1967.95	574.7	4.7	1.5781	0.0047
1964.45	546.0	3.0	1.5487	0.0030	1968.04	566.4	11.3	1.5699	0.0113
1964.54	559.4	12.9	1.5621	0.0129	1968.12	575.7	3.3	1.5791	0.0033
1964.62	567.7	3.9	1.5705	0.0040	1968.20	568.4	4.6	1.5719	0.0046
1964.70	615.8	15.0	1.6187	0.0151	1968.29	569.6	14.1	1.5731	0.0141
1964.79	519.8	40.6	1.5225	0.0407	1968.37	559.9	2.6	1.5634	0.0026
1964.87	625.2	2.2	1.6281	0.0022	1968.45	555.7	2.6	1.5592	0.0026
1964.95	634.3	11.8	1.6372	0.0118	1968.54	548.1	4.5	1.5516	0.0045
1965.04	661.9	9.6	1.6649	0.0096	1968.62	544.1	4.3	1.5475	0.0043
1965.12	641.0	3.9	1.6440	0.0039	1968.70	540.2	5.7	1.5437	0.0058
1965.20	623.6	20.5	1.6265	0.0205	1968.79	543.6	6.6	1.5471	0.0067
1965.29	638.5	8.1	1.6415	0.0082	1968.87	548.4	5.8	1.5520	0.0058
1965.37	618.2	6.9	1.6212	0.0069	1968.95	542.8	4.3	1.5463	0.0043
1965.45	644.0	15.5	1.6471	0.0156	1969.04	547.2	4.1	1.5507	0.0042
1965.53	671.4	16.2	1.6745	0.0162	1969.12	542.4	4.6	1.5459	0.0046
1965.62	627.7	9.0	1.6307	0.0090	1969.20	549.3	2.1	1.5529	0.0021
1965.70	644.1	6.8	1.6472	0.0068	1969.29	543.5	3.2	1.5471	0.0032
1965.79	661.3	8.1	1.6645	0.0081	1969.37	533.9	2.3	1.5375	0.0023
1965.87	638.2	9.4	1.6414	0.0094	1969.45	524.5	4.0	1.5281	0.0040
1965.95	635.7	3.3	1.6388	0.0033	1969.53	529.9	2.1	1.5335	0.0021
1966.04	654.3	12.9	1.6575	0.0130	1969.62	522.8	3.9	1.5264	0.0039
1966.12	642.0	4.2	1.6452	0.0042	1969.70	536.6	5.5	1.5403	0.0056
1966.20	640.8	5.5	1.6440	0.0056	1969.79	539.3	3.3	1.5430	0.0033
1966.28	630.4	3.2	1.6336	0.0032	1969.87	526.3	4.4	1.5300	0.0044
1966.37	625.7	6.5	1.6290	0.0065	1969.95	502.6	14.2	1.5063	0.0142
1966.45	630.4	10.4	1.6337	0.0104	1970.04	512.1	4.2	1.5157	0.0042
1966.53	617.2	4.5	1.6204	0.0045	1970.12	541.0	7.0	1.5448	0.0070
1966.62	624.5	14.2	1.6278	0.0142	1970.20	527.1	5.9	1.5309	0.0059
1966.70	625.4	4.0	1.6287	0.0040	1970.28	526.5	8.3	1.5302	0.0083
1966.79	624.6	10.7	1.6279	0.0107	1970.37	522.1	4.8	1.5258	0.0048
1966.87	613.0	5.3	1.6163	0.0053	1970.45	518.0	6.1	1.5217	0.0062
1966.95	627.0	4.3	1.6304	0.0043	1970.53	505.7	3.1	1.5094	0.0031
1967.04	616.0	3.2	1.6193	0.0032	1970.62	499.9	7.2	1.5037	0.0073
1967.12	620.1	7.6	1.6234	0.0076	1970.70	502.2	6.3	1.5060	0.0063
1967.20	608.0	5.0	1.6113	0.0050	1970.79	506.3	5.2	1.5101	0.0052
1967.28	607.7	3.1	1.6111	0.0031	1970.87	498.4	6.4	1.5022	0.0064
1967.37	603.5	4.5	1.6069	0.0045	1970.95	505.7	7.9	1.5095	0.0080
1967.45	601.5	8.2	1.6049	0.0083	1971.04	501.5	3.8	1.5053	0.0038
1967.53	582.9	6.1	1.5862	0.0061	1971.12	497.5	2.4	1.5014	0.0024

Year AD	$\Delta^{14}\text{C}$ (‰)	$1\sigma$ (‰)	$F^{14}\text{C}$	$1\sigma$	Year AD	$\Delta^{14}\text{C}$ (‰)	$1\sigma$ (‰)	$F^{14}\text{C}$	$1\sigma$
1971.20	504.5	2.0	1.5084	0.0020	1974.79	410.7	7.8	1.4150	0.0078
1971.28	500.4	2.1	1.5043	0.0021	1974.87	401.2	2.2	1.4054	0.0022
1971.37	501.0	4.6	1.5049	0.0046	1974.95	395.6	3.2	1.3998	0.0032
1971.45	497.5	4.6	1.5013	0.0046	1975.04	398.0	3.1	1.4023	0.0031
1971.53	488.8	3.1	1.4927	0.0031	1975.12	389.9	6.3	1.3941	0.0063
1971.62	482.9	3.2	1.4868	0.0032	1975.20	395.0	2.3	1.3992	0.0023
1971.70	490.0	3.5	1.4939	0.0035	1975.28	392.8	3.5	1.3971	0.0035
1971.79	494.1	6.8	1.4981	0.0068	1975.37	385.0	2.3	1.3892	0.0023
1971.87	488.3	4.6	1.4922	0.0046	1975.45	390.7	4.6	1.3950	0.0046
1971.95	483.9	3.0	1.4879	0.0030	1975.53	373.6	3.6	1.3779	0.0036
1972.04	488.3	2.0	1.4923	0.0020	1975.62	372.6	8.4	1.3769	0.0085
1972.12	491.9	3.6	1.4959	0.0036	1975.70	364.3	4.1	1.3685	0.0041
1972.20	489.4	5.0	1.4934	0.0050	1975.79	377.2	6.8	1.3815	0.0068
1972.29	470.4	4.1	1.4744	0.0041	1975.87	364.9	2.0	1.3692	0.0020
1972.37	472.8	2.9	1.4768	0.0029	1975.95	367.8	4.0	1.3721	0.0041
1972.45	465.2	5.9	1.4692	0.0059	1976.04	370.1	2.1	1.3744	0.0021
1972.54	469.2	2.9	1.4732	0.0029	1976.12	367.7	2.7	1.3721	0.0027
1972.62	473.4	4.9	1.4775	0.0049	1976.20	366.1	5.8	1.3705	0.0059
1972.70	454.0	6.4	1.4580	0.0064	1976.29	355.3	5.5	1.3596	0.0055
1972.79	462.1	4.5	1.4661	0.0045	1976.37	356.2	3.0	1.3605	0.0030
1972.87	468.4	6.9	1.4725	0.0069	1976.45	355.5	3.0	1.3599	0.0030
1972.95	446.7	4.3	1.4507	0.0043	1976.54	354.2	4.7	1.3586	0.0047
1973.04	459.8	3.1	1.4638	0.0032	1976.62	343.9	2.3	1.3482	0.0023
1973.12	452.5	2.9	1.4566	0.0030	1976.70	343.0	2.9	1.3473	0.0029
1973.20	445.1	3.2	1.4491	0.0032	1976.79	336.2	4.3	1.3406	0.0043
1973.29	445.3	5.2	1.4493	0.0052	1976.87	342.4	4.5	1.3468	0.0045
1973.37	440.2	5.9	1.4443	0.0059	1976.95	336.4	3.4	1.3408	0.0034
1973.45	432.8	3.6	1.4369	0.0036	1977.04	330.4	6.6	1.3347	0.0066
1973.53	441.7	10.6	1.4458	0.0106	1977.12	339.8	3.5	1.3442	0.0035
1973.62	439.1	7.8	1.4433	0.0078	1977.20	337.6	3.1	1.3421	0.0031
1973.70	425.0	6.3	1.4291	0.0064	1977.29	344.9	4.2	1.3493	0.0042
1973.79	422.9	3.9	1.4270	0.0039	1977.37	335.1	2.6	1.3396	0.0026
1973.87	422.8	7.5	1.4269	0.0075	1977.45	329.3	6.1	1.3337	0.0061
1973.95	423.8	10.2	1.4279	0.0102	1977.53	329.5	3.4	1.3339	0.0034
1974.04	414.6	4.7	1.4187	0.0047	1977.62	324.4	3.0	1.3288	0.0030
1974.12	414.5	14.0	1.4186	0.0141	1977.70	320.0	4.6	1.3244	0.0047
1974.20	413.4	2.3	1.4175	0.0023	1977.79	328.6	4.1	1.3331	0.0041
1974.28	410.6	3.9	1.4148	0.0039	1977.87	330.2	4.5	1.3346	0.0045
1974.37	403.2	7.5	1.4073	0.0075	1977.95	333.1	6.7	1.3376	0.0067
1974.45	389.3	12.6	1.3934	0.0127	1978.04	323.6	11.0	1.3281	0.0110
1974.53	395.9	3.4	1.4001	0.0034	1978.12	333.6	8.9	1.3382	0.0089
1974.62	395.7	10.1	1.3999	0.0101	1978.20	323.0	4.1	1.3276	0.0041
1974.70	400.7	2.4	1.4049	0.0024	1978.28	319.8	6.6	1.3243	0.0066

Year	$\Delta^{14}\text{C}$	$1\sigma$	$F^{14}\text{C}$	$1\sigma$	Year	$\Delta^{14}\text{C}$	$1\sigma$	$F^{14}\text{C}$	$1\sigma$
AD	(‰)	(‰)			AD	(‰)	(‰)		
1978.37	311.1	3.3	1.3156	0.0033	1982.04	258.0	6.0	1.2629	0.0060
1978.45	311.4	2.3	1.3159	0.0023	1982.12	243.0	7.0	1.2478	0.0070
1978.53	326.0	6.0	1.3306	0.0060	1982.20	282.0	7.0	1.2870	0.0070
1978.62	311.7	5.5	1.3163	0.0055	1982.28	243.0	7.0	1.2479	0.0070
1978.70	316.6	7.5	1.3212	0.0075	1982.37	241.8	6.3	1.2467	0.0063
1978.79	322.5	6.6	1.3271	0.0067	1982.45	244.2	8.1	1.2491	0.0081
1978.87	311.0	8.9	1.3156	0.0089	1982.53	246.0	5.1	1.2509	0.0051
1979.04	310.3	3.0	1.3150	0.0030	1982.62	237.0	7.0	1.2419	0.0070
1979.12	300.0	7.0	1.3046	0.0070	1982.70	243.0	3.7	1.2479	0.0037
1979.20	304.8	4.3	1.3095	0.0043	1982.79	242.0	5.0	1.2469	0.0050
1979.28	303.3	3.3	1.3079	0.0033	1982.87	238.0	7.0	1.2429	0.0070
1979.37	297.7	2.8	1.3023	0.0028	1982.95	235.8	3.1	1.2407	0.0031
1979.45	291.9	3.0	1.2965	0.0030	1983.04	234.6	3.3	1.2395	0.0033
1979.53	302.1	6.5	1.3068	0.0065	1983.12	227.4	3.7	1.2323	0.0037
1979.62	284.0	3.8	1.2886	0.0038	1983.20	233.9	3.3	1.2389	0.0033
1979.70	297.7	8.2	1.3023	0.0082	1983.28	245.0	6.0	1.2500	0.0060
1979.79	286.2	6.2	1.2908	0.0063	1983.37	230.0	6.0	1.2350	0.0060
1979.87	302.2	3.3	1.3070	0.0034	1983.45	232.7	4.7	1.2377	0.0048
1979.95	279.1	5.6	1.2837	0.0057	1983.53	217.0	6.0	1.2219	0.0060
1980.04	289.0	7.0	1.2937	0.0070	1983.62	232.0	4.9	1.2370	0.0049
1980.12	284.6	4.9	1.2893	0.0049	1983.70	231.0	6.0	1.2360	0.0060
1980.20	287.9	3.3	1.2926	0.0034	1983.79	223.6	3.9	1.2286	0.0039
1980.29	278.0	3.0	1.2827	0.0030	1983.87	232.0	7.0	1.2371	0.0070
1980.37	279.8	2.9	1.2845	0.0029	1983.95	216.0	6.0	1.2210	0.0060
1980.45	266.0	6.0	1.2707	0.0060	1984.04	221.4	8.3	1.2264	0.0083
1980.54	277.9	6.8	1.2826	0.0068	1984.12	228.2	3.3	1.2333	0.0033
1980.62	273.7	3.1	1.2784	0.0032	1984.20	228.0	9.0	1.2331	0.0090
1980.70	277.4	2.9	1.2821	0.0029	1984.29	213.0	5.0	1.2180	0.0050
1980.79	280.3	3.2	1.2851	0.0032	1984.37	214.2	3.3	1.2193	0.0034
1980.87	278.7	9.1	1.2835	0.0092	1984.45	214.0	6.0	1.2191	0.0060
1980.95	272.9	8.8	1.2777	0.0088	1984.54	212.9	3.0	1.2179	0.0030
1981.04	267.3	3.3	1.2721	0.0033	1984.62	231.5	10.4	1.2367	0.0104
1981.12	266.7	9.4	1.2715	0.0095	1984.70	209.9	3.6	1.2150	0.0036
1981.20	267.5	4.3	1.2723	0.0043	1984.79	209.0	7.0	1.2141	0.0070
1981.29	268.4	4.6	1.2732	0.0046	1984.87	209.1	4.9	1.2142	0.0049
1981.37	257.0	6.0	1.2618	0.0060	1984.95	217.4	3.0	1.2225	0.0030
1981.45	259.4	6.4	1.2642	0.0064	1985.04	212.0	7.0	1.2171	0.0070
1981.53	255.0	6.0	1.2598	0.0060	1985.12	209.1	4.7	1.2142	0.0047
1981.62	259.5	3.3	1.2643	0.0033	1985.20	212.8	5.5	1.2180	0.0056
1981.70	258.4	3.9	1.2633	0.0039	1985.29	206.0	7.0	1.2112	0.0070
1981.79	256.8	2.9	1.2617	0.0029	1985.37	198.0	6.0	1.2031	0.0060
1981.87	258.9	6.8	1.2638	0.0069	1985.45	190.0	6.0	1.1951	0.0060
1981.95	256.8	3.8	1.2617	0.0038	1985.53	199.3	12.5	1.2045	0.0126

Year	$\Delta^{14}\text{C}$	$1\sigma$	$\text{F}^{14}\text{C}$	$1\sigma$	Year	$\Delta^{14}\text{C}$	$1\sigma$	$\text{F}^{14}\text{C}$	$1\sigma$
AD	(‰)	(‰)			AD	(‰)	(‰)		
1985.62	212.7	4.7	1.2179	0.0047	1989.45	161.7	4.0	1.1673	0.0040
1985.70	202.8	6.4	1.2080	0.0064	1989.53	161.5	4.1	1.1670	0.0042
1985.79	205.3	4.0	1.2105	0.0040	1989.62	167.3	8.9	1.1729	0.0090
1985.87	207.3	4.0	1.2126	0.0040	1989.70	160.0	5.0	1.1656	0.0050
1985.95	202.0	7.0	1.2072	0.0070	1989.79	157.0	6.0	1.1626	0.0060
1986.04	202.4	3.4	1.2077	0.0035	1989.87	181.9	15.5	1.1876	0.0156
1986.12	202.7	4.7	1.2080	0.0047	1989.95	165.4	5.8	1.1710	0.0058
1986.20	198.5	4.7	1.2037	0.0047	1990.04	154.8	3.1	1.1604	0.0031
1986.28	193.3	8.4	1.1986	0.0085	1990.12	168.5	7.4	1.1742	0.0074
1986.37	201.0	6.0	1.2063	0.0060	1990.20	151.0	6.0	1.1566	0.0060
1986.53	196.3	3.8	1.2016	0.0038	1990.28	160.1	6.4	1.1657	0.0064
1986.62	188.3	4.1	1.1936	0.0041	1990.37	143.0	6.0	1.1486	0.0060
1986.70	198.2	2.4	1.2036	0.0024	1990.45	136.0	5.0	1.1416	0.0050
1986.79	196.9	3.1	1.2022	0.0031	1990.53	152.9	11.6	1.1585	0.0117
1986.87	190.2	3.7	1.1955	0.0038	1990.62	147.5	17.1	1.1532	0.0172
1986.95	190.0	4.4	1.1953	0.0044	1990.70	156.7	10.3	1.1624	0.0103
1987.04	190.0	2.0	1.1953	0.0020	1990.79	150.0	7.0	1.1557	0.0070
1987.20	182.0	3.0	1.1873	0.0030	1990.87	155.5	9.2	1.1613	0.0093
1987.28	182.0	2.0	1.1873	0.0020	1990.95	161.7	3.1	1.1675	0.0031
1987.37	175.7	4.2	1.1811	0.0042	1991.04	149.5	7.3	1.1552	0.0073
1987.45	153.2	8.6	1.1584	0.0086	1991.12	157.1	3.4	1.1629	0.0034
1987.53	176.0	2.0	1.1814	0.0020	1991.20	163.2	9.7	1.1690	0.0098
1987.62	170.0	5.0	1.1753	0.0050	1991.28	142.6	3.7	1.1483	0.0038
1987.70	178.0	2.0	1.1834	0.0020	1991.37	145.2	15.9	1.1510	0.0160
1987.79	180.0	2.0	1.1854	0.0020	1991.45	152.3	10.5	1.1581	0.0106
1987.87	183.0	3.0	1.1884	0.0030	1991.53	148.7	12.2	1.1545	0.0123
1987.95	182.0	2.0	1.1874	0.0020	1991.62	152.6	9.0	1.1584	0.0090
1988.12	191.0	3.0	1.1965	0.0030	1991.70	156.5	3.0	1.1623	0.0030
1988.20	175.0	3.0	1.1804	0.0030	1991.79	158.4	7.2	1.1643	0.0072
1988.29	171.0	7.0	1.1764	0.0070	1991.87	150.4	3.1	1.1562	0.0031
1988.37	162.0	5.0	1.1674	0.0050	1991.95	155.0	7.0	1.1609	0.0070
1988.45	160.0	6.0	1.1654	0.0060	1992.04	150.5	7.2	1.1564	0.0072
1988.54	156.6	14.9	1.1620	0.0150	1992.12	154.6	3.5	1.1605	0.0035
1988.62	169.4	4.0	1.1749	0.0040	1992.20	141.0	5.0	1.1468	0.0050
1988.70	170.6	3.8	1.1761	0.0038	1992.29	160.7	7.1	1.1666	0.0072
1988.79	171.2	5.5	1.1767	0.0055	1992.37	139.0	6.0	1.1449	0.0060
1988.87	179.4	2.8	1.1849	0.0028	1992.45	139.0	6.0	1.1449	0.0060
1988.95	169.2	3.5	1.1747	0.0035	1992.54	146.5	14.5	1.1524	0.0145
1989.04	169.7	9.4	1.1753	0.0095	1992.62	139.4	3.6	1.1452	0.0036
1989.12	169.3	3.0	1.1749	0.0030	1992.70	138.0	6.0	1.1439	0.0060
1989.20	158.0	6.0	1.1635	0.0060	1992.79	149.1	3.7	1.1551	0.0038
1989.29	188.7	12.4	1.1943	0.0125	1992.87	149.0	6.0	1.1550	0.0060
1989.37	162.1	3.0	1.1676	0.0030	1992.95	135.0	6.0	1.1409	0.0060

Year	$\Delta^{14}\text{C}$	$1\sigma$	$\text{F}^{14}\text{C}$	$1\sigma$	Year	$\Delta^{14}\text{C}$	$1\sigma$	$\text{F}^{14}\text{C}$	$1\sigma$
AD	(‰)	(‰)			AD	(‰)	(‰)		
1993.04	144.0	6.0	1.1500	0.0060	1996.62	110.6	2.4	1.1168	0.0024
1993.12	136.4	9.3	1.1424	0.0093	1996.70	106.1	1.9	1.1124	0.0019
1993.20	134.5	3.2	1.1404	0.0032	1996.79	110.8	1.9	1.1171	0.0019
1993.29	117.0	6.0	1.1229	0.0060	1996.87	108.3	2.5	1.1146	0.0026
1993.37	132.2	4.5	1.1382	0.0045	1996.95	105.7	1.6	1.1120	0.0016
1993.45	123.2	4.7	1.1291	0.0048	2001.00	80.6	4.0	1.0873	0.0040
1993.53	131.0	6.0	1.1370	0.0060					
1993.62	151.0	10.0	1.1571	0.0101					
1993.70	126.0	6.0	1.1320	0.0060					
1993.79	126.0	6.0	1.1320	0.0060					
1993.87	142.0	6.0	1.1481	0.0060					
1993.95	126.4	2.8	1.1324	0.0028					
1994.04	123.3	1.7	1.1293	0.0018					
1994.12	121.1	4.5	1.1271	0.0045					
1994.20	120.6	2.6	1.1266	0.0026					
1994.28	128.0	3.0	1.1341	0.0030					
1994.37	123.2	2.1	1.1292	0.0021					
1994.45	118.1	5.1	1.1241	0.0052					
1994.53	119.2	1.7	1.1253	0.0018					
1994.62	117.4	1.4	1.1235	0.0014					
1994.70	118.5	4.5	1.1246	0.0045					
1994.79	119.4	1.9	1.1255	0.0019					
1994.87	119.0	2.4	1.1251	0.0024					
1994.95	121.5	2.4	1.1277	0.0024					
1995.04	120.3	2.0	1.1264	0.0020					
1995.12	119.8	2.9	1.1260	0.0029					
1995.20	117.0	3.0	1.1231	0.0030					
1995.28	118.1	1.9	1.1243	0.0019					
1995.37	118.7	3.0	1.1248	0.0031					
1995.45	117.6	2.5	1.1237	0.0025					
1995.53	114.7	1.8	1.1209	0.0018					
1995.62	113.9	1.9	1.1201	0.0020					
1995.70	112.0	5.0	1.1182	0.0050					
1995.79	112.7	1.8	1.1189	0.0018					
1995.87	112.2	1.9	1.1184	0.0020					
1995.95	117.9	2.0	1.1242	0.0020					
1996.04	117.0	1.9	1.1233	0.0019					
1996.12	115.9	1.7	1.1222	0.0017					
1996.20	114.2	1.4	1.1205	0.0014					
1996.29	115.8	1.6	1.1221	0.0016					
1996.37	112.3	2.1	1.1186	0.0021					
1996.45	111.6	1.9	1.1179	0.0019					
1996.54	110.9	1.6	1.1172	0.0016					