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Supplement of

A millennial summer temperature reconstruction for northeastern Canada using oxygen isotopes in subfossil trees

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S1. Tree-ring segments (ID) sampled for constructing cohorts (C) in living trees (V) and subfossil stems (0-11) with the period they cover (in parenthesis).

Cohort	ID	ring dated		ring sampled	
		first	last	first	last
CV (2006-1875)	100_3	1853	2010	1871	2010
	100_9	1866	2010	1875	2009
	100_5	1871	2010	1874	2008
	100_8	1861	2010	1873	2007
	100_1	1857	2010	1872	2006
C0 (1882-1960)	705	1870	1994	1879	1963
	781	1851	1984	1880	1964
	761	1870	1970	1878	1962
	145	1853	1994	1882	1961
	760	1798	1974	1881	1960
C1 (1810-1886)	454	1801	1920	1806	1890
	417	1805	1972	1810	1889
	702	1803	1918	1808	1887
	136	1781	1896	1809	1888
	625	1762	1894	1807	1886
C2 (1702-1814)	229	1681	1832	1699	1818
	305	1686	1852	1698	1817
	181	1695	1878	1701	1815
	631	1699	1817	1702	1816
	154	1695	1816	1700	1814
C3 (1613-1706)	502	1609	1720	1611	1710
	496	1605	1725	1613	1707
	526	1572	1870	1612	1706
	31	1602	1711	1610	1709
	627	1601	1728	1609	1708
C4 (1507-1617)	788	1480	1656	1504	1618
	48	1466	1619	1503	1617
	701	1504	1654	1507	1621
	61	1489	1625	1506	1620
	432	1496	1630	1505	1619
C5 (1413-1511)	47	1405	1547	1412	1511
	439	1394	1526	1411	1515
	438	1372	1527	1409	1513
	755	1400	1523	1410	1514
	12	1384	1529	1413	1507
C6 (1359-1417)	67	1306	1435	1356	1420
	44	1303	1428	1357	1421
	633	1320	1452	1355	1419
	471	1341	1424	1359	1418
	377	1357	1434	1358	1417

Cohort	ID	ring dated		ring sampled	
		first	last	first	last
C7 (1266-1363)	69	1226	1371	1268	1363
	188	1252	1458	1262	1366
	352	1258	1370	1263	1367
	348	1257	1375	1266	1365
	733	1257	1430	1265	1364
C8 (1181-1270)	193	1175	1304	1178	1272
	508	1173	1296	1179	1273
	509	1151	1298	1177	1271
	32	1147	1273	1181	1270
	785	1170	1331	1180	1274
C9 (1104-1185)	380	1078	1195	1102	1186
	77	1067	1195	1100	1189
	271	1102	1198	1104	1188
	829	1074	1201	1103	1187
	928	995	1196	1101	1185
C10 (1056-1108)	384	1051	1144	1055	1109
	42	1030	1166	1053	1112
	303	1042	1121	1052	1111
	379	1047	1131	1056	1110
	230	1049	1174	1054	1108
C11 (997-1060)	427	955	1101	995	1064
	444	966	1089	994	1063
	519	984	1066	993	1062
	46	988	1101	997	1061
	749	979	1085	996	1060

S2. Tree-ring segments (ID) of subfossil stems sampled for join points (JP).

JP	ID	Ring sampled	
		first	last
JP0	734	1956	1960
	431	1956	1960
	786	1956	1960
	789	1956	1960
	861	1956	1960
	795	1956	1960
	859	1956	1960
JP1	145	1882	1886
	385	1882	1886
	81	1882	1886
	309	1882	1886
	822	1882	1886
	619	1882	1886
	307	1882	1886
	407	1882	1886
	688	1882	1886
	300	1882	1886
	417	1882	1886
JP2	300	1810	1814
	625	1810	1814
	198	1810	1814
	858	1810	1814
	195	1810	1814
	915	1810	1814
	769	1810	1814
	784	1810	1814
	125	1810	1814
	765	1810	1814
JP3	360	1702	1706
	772	1702	1706
	217	1702	1706
	485	1702	1706
	180	1702	1706
	354	1702	1706
	282	1702	1706
	146	1702	1706
	391	1702	1706
	359	1702	1706

JP	ID	Ring sampled	
		first	last
JP3	113	1702	1706
	491	1702	1706
	725	1702	1706
	368	1702	1706
	814	1702	1706
	709	1702	1706
	860	1702	1706
	842	1702	1706
	692	1702	1706
JP4	826	1613	1617
	706	1613	1617
	662	1613	1617
	646	1613	1617
	808	1613	1617
	843	1613	1617
	682	1613	1617
	687	1613	1617
	117	1613	1617
	851	1613	1617
	35	1613	1617
	818	1613	1617
	437	1613	1617
	744	1613	1617
	37	1613	1617
102	1613	1617	
694	1613	1617	
JP 5	704	1507	1511
	774	1507	1511
	248	1507	1511
	275	1507	1511
	387	1507	1511
	319	1507	1511
	817	1507	1511
	183	1507	1511
	347	1507	1511
	152	1507	1511
	349	1507	1511
	847	1507	1511
	473	1507	1511
	394	1507	1511
	311	1507	1511
	522	1507	1511
516	1507	1511	
445	1507	1511	

JP	ID	Ring sampled	
		first	last
JP 5	335	1507	1511
	71	1507	1511
	16	1507	1511
	28	1507	1511
	45	1507	1511
	871	1507	1511
JP6	29	1413	1417
	912	1413	1417
	371	1413	1417
	857	1413	1417
	505	1413	1417
	121	1413	1417
	787	1413	1417
	647	1413	1417
	272	1413	1417
	736	1413	1417
	721	1413	1417
	185	1413	1417
	830	1413	1417
	638	1413	1417
74	1413	1417	
JP7	140	1359	1363
	745	1359	1363
	34	1359	1363
	390	1359	1363
	197	1359	1363
	341	1359	1363
	517	1359	1363
	886	1359	1363
	841	1359	1363
	507	1359	1363
	30	1359	1363
876	1359	1363	
JP 8	80	1266	1270
	399	1266	1270
	930	1266	1270
	150	1266	1270
	39	1266	1270
	610	1266	1270
	798	1266	1270
	474	1266	1270
	623	1266	1270
	823	1266	1270
	232	1266	1270

JP	ID	Ring sampled	
		first	last
JP 8	64	1266	1270
	639	1266	1270
	57	1266	1270
	793	1266	1270
	83	1266	1270
	43	1266	1270
	889	1266	1270
	757	1266	1270
JP9	805	1181	1185
	603	1181	1185
	423	1181	1185
	763	1181	1185
	630	1181	1185
	322	1181	1185
	279	1181	1185
	712	1181	1185
	208	1181	1185
	447	1181	1185
478	1181	1185	
JP10	17	1104	1108
	753	1104	1108
	75	1104	1108
	428	1104	1108
	302	1104	1108
	79	1104	1108
	700	1104	1108
	614	1104	1108
	894	1104	1108
	809	1104	1108
365	1104	1108	
JP11	700	1056	1060
	288	1056	1060
	363	1056	1060
	737	1056	1060
	792	1056	1060
	457	1056	1060
	486	1056	1060
	614	1056	1060
	73	1056	1060
	365	1056	1060

S3.

Original i-STREC values, values resulting from
21-years filtering, and RMSE values.

Year	i-STREC	21-years filtered	RMSE+	RMSE-
2000	17.0		17.6	16.1
1999	16.9		17.6	16.1
1998	16.9		17.5	16.0
1997	17.0		17.6	16.1
1996	16.7		17.3	15.9
1995	16.6		17.3	15.8
1994	16.3		17.0	15.5
1993	16.3		17.0	15.5
1992	16.3		17.0	15.5
1991	16.4		17.1	15.6
1990	16.1	16.4	17.0	15.7
1989	16.2	16.3	17.0	15.7
1988	16.1	16.3	16.9	15.7
1987	16.1	16.3	16.9	15.6
1986	16.1	16.2	16.8	15.6
1985	16.0	16.2	16.8	15.6
1984	16.0	16.2	16.8	15.5
1983	16.0	16.2	16.8	15.5
1982	16.0	16.1	16.8	15.5
1981	16.0	16.1	16.8	15.5
1980	16.2	16.1	16.7	15.5
1979	16.1	16.1	16.7	15.4
1978	16.1	16.0	16.7	15.4
1977	16.1	16.0	16.6	15.4
1976	16.1	16.0	16.6	15.3
1975	16.1	15.9	16.6	15.3
1974	16.3	15.9	16.6	15.3
1973	16.1	15.9	16.6	15.3
1972	16.0	15.9	16.6	15.3
1971	15.9	15.9	16.6	15.3
1970	15.7	15.9	16.6	15.3
1969	15.6	15.9	16.5	15.3
1968	15.3	15.9	16.5	15.3
1967	15.3	15.9	16.5	15.3
1966	15.6	15.9	16.5	15.3
1965	15.7	15.9	16.6	15.3
1964	15.9	16.0	16.6	15.3
1963	16.1	16.0	16.6	15.3
1962	16.1	16.0	16.6	15.3
1961	16.0	16.0	16.6	15.3
1960	15.9	16.0	16.6	15.3
1959	15.8	16.0	16.6	15.4

Year	i-STREC	21-years filtered	RMSE+	RMSE-
1958	15.8	16.0	16.7	15.4
1957	16.2	16.1	16.7	15.4
1956	16.4	16.1	16.7	15.5
1955	16.6	16.1	16.7	15.5
1954	16.6	16.1	16.8	15.5
1953	16.6	16.1	16.8	15.5
1952	16.3	16.1	16.8	15.5
1951	16.1	16.2	16.8	15.5
1950	16.0	16.2	16.8	15.5
1949	16.1	16.2	16.8	15.5
1948	16.1	16.2	16.8	15.5
1947	16.1	16.2	16.8	15.5
1946	16.1	16.1	16.8	15.5
1945	16.0	16.1	16.7	15.5
1944	16.1	16.0	16.7	15.4
1943	16.1	16.0	16.6	15.4
1942	16.2	16.0	16.6	15.3
1941	16.2	15.9	16.6	15.3
1940	16.2	15.9	16.5	15.3
1939	16.0	15.9	16.5	15.2
1938	15.8	15.8	16.5	15.2
1937	15.6	15.8	16.4	15.2
1936	15.5	15.8	16.4	15.1
1935	15.6	15.7	16.4	15.1
1934	15.5	15.7	16.3	15.1
1933	15.6	15.7	16.3	15.0
1932	15.7	15.7	16.3	15.0
1931	15.7	15.6	16.3	15.0
1930	15.5	15.6	16.3	15.0
1929	15.4	15.7	16.3	15.0
1928	15.3	15.7	16.3	15.1
1927	15.3	15.7	16.4	15.1
1926	15.2	15.8	16.4	15.2
1925	15.3	15.8	16.4	15.2
1924	15.5	15.8	16.5	15.2
1923	15.5	15.8	16.5	15.2
1922	15.7	15.8	16.5	15.2
1921	16.0	15.9	16.5	15.2
1920	16.3	15.9	16.5	15.2
1919	16.6	15.9	16.5	15.2
1918	16.7	15.9	16.5	15.2
1917	16.6	15.9	16.5	15.3
1916	16.5	15.9	16.5	15.3
1915	16.2	15.9	16.5	15.3
1914	15.9	15.9	16.5	15.3

Year	i-STREC	21-years filtered	RMSE+	RMSE-
1913	15.8	15.9	16.6	15.3
1912	15.8	15.9	16.6	15.3
1911	15.7	15.9	16.6	15.3
1910	15.8	15.9	16.6	15.3
1909	15.8	15.9	16.5	15.3
1908	15.7	15.9	16.5	15.2
1907	15.5	15.8	16.5	15.2
1906	15.4	15.8	16.4	15.2
1905	15.4	15.7	16.4	15.1
1904	15.5	15.7	16.3	15.1
1903	15.7	15.7	16.3	15.1
1902	15.8	15.7	16.3	15.1
1901	15.9	15.7	16.3	15.0
1900	15.9	15.7	16.3	15.0
1899	15.8	15.6	16.3	15.0
1898	15.7	15.6	16.3	15.0
1897	15.7	15.6	16.3	15.0
1896	15.7	15.6	16.3	15.0
1895	15.6	15.6	16.3	15.0
1894	15.7	15.6	16.3	15.0
1893	15.6	15.6	16.3	15.0
1892	15.5	15.6	16.2	15.0
1891	15.4	15.6	16.2	15.0
1890	15.4	15.6	16.2	15.0
1889	15.5	15.6	16.2	14.9
1888	15.5	15.6	16.2	15.0
1887	15.5	15.6	16.2	15.0
1886	15.6	15.6	16.2	15.0
1885	15.6	15.6	16.2	15.0
1884	15.3	15.6	16.2	15.0
1883	15.3	15.6	16.2	14.9
1882	15.4	15.6	16.2	14.9
1881	15.5	15.6	16.2	14.9
1880	15.6	15.6	16.2	14.9
1879	15.8	15.6	16.2	14.9
1878	15.9	15.6	16.2	15.0
1877	15.8	15.6	16.2	15.0
1876	15.7	15.6	16.3	15.0
1875	15.6	15.7	16.3	15.0
1874	15.6	15.7	16.3	15.1
1873	15.4	15.8	16.4	15.1
1872	15.4	15.8	16.5	15.2
1871	15.5	15.9	16.5	15.3
1870	15.6	16.0	16.6	15.3
1869	15.5	16.0	16.7	15.4

Year	i-STREC	21-years filtered	RMSE+	RMSE-
1868	15.6	16.1	16.7	15.4
1867	15.8	16.1	16.7	15.5
1866	16.1	16.1	16.8	15.5
1865	16.2	16.2	16.8	15.5
1864	16.3	16.2	16.8	15.6
1863	16.6	16.2	16.8	15.6
1862	16.8	16.2	16.9	15.6
1861	16.8	16.3	16.9	15.6
1860	16.9	16.3	16.9	15.7
1859	17.0	16.3	17.0	15.7
1858	16.9	16.4	17.0	15.7
1857	16.6	16.4	17.0	15.8
1856	16.4	16.4	17.0	15.8
1855	16.3	16.4	17.0	15.7
1854	16.0	16.3	16.9	15.7
1853	16.0	16.2	16.9	15.6
1852	16.1	16.2	16.8	15.5
1851	16.2	16.1	16.7	15.4
1850	16.2	16.0	16.6	15.4
1849	16.3	15.9	16.5	15.3
1848	16.1	15.8	16.5	15.2
1847	16.0	15.8	16.4	15.1
1846	15.7	15.7	16.4	15.1
1845	15.5	15.7	16.3	15.1
1844	15.2	15.7	16.3	15.0
1843	14.9	15.7	16.3	15.0
1842	14.9	15.7	16.3	15.0
1841	15.0	15.7	16.3	15.0
1840	15.2	15.6	16.3	15.0
1839	15.2	15.6	16.2	15.0
1838	15.4	15.5	16.2	14.9
1837	15.6	15.5	16.1	14.9
1836	15.7	15.5	16.1	14.8
1835	15.7	15.4	16.1	14.8
1834	15.9	15.4	16.0	14.8
1833	16.0	15.4	16.1	14.8
1832	15.8	15.5	16.1	14.8
1831	15.7	15.5	16.1	14.9
1830	15.8	15.5	16.2	14.9
1829	15.5	15.5	16.2	14.9
1828	15.2	15.6	16.2	14.9
1827	15.2	15.6	16.2	14.9
1826	15.2	15.6	16.2	14.9
1825	15.0	15.6	16.2	14.9
1824	15.2	15.6	16.2	15.0

Year	i-STREC	21-years filtered	RMSE+	RMSE-
1823	15.4	15.6	16.2	15.0
1822	15.5	15.6	16.3	15.0
1821	15.5	15.7	16.3	15.0
1820	15.6	15.7	16.3	15.1
1819	15.6	15.7	16.4	15.1
1818	15.6	15.8	16.4	15.2
1817	15.6	15.8	16.5	15.2
1816	15.6	15.9	16.5	15.2
1815	15.8	15.9	16.5	15.3
1814	16.0	15.9	16.6	15.3
1813	16.2	16.0	16.6	15.4
1812	16.5	16.0	16.6	15.4
1811	16.6	16.0	16.7	15.4
1810	16.8	16.1	16.7	15.4
1809	16.5	16.1	16.7	15.4
1808	16.4	16.1	16.7	15.5
1807	16.2	16.1	16.7	15.5
1806	16.1	16.1	16.8	15.5
1805	15.8	16.2	16.8	15.5
1804	15.9	16.2	16.8	15.5
1803	15.9	16.1	16.8	15.5
1802	15.9	16.1	16.8	15.5
1801	15.9	16.1	16.7	15.4
1800	16.1	16.0	16.6	15.4
1799	16.1	15.9	16.6	15.3
1798	16.1	15.9	16.5	15.3
1797	16.0	15.8	16.5	15.2
1796	16.1	15.8	16.4	15.2
1795	15.9	15.8	16.4	15.1
1794	15.8	15.7	16.4	15.1
1793	15.8	15.7	16.4	15.1
1792	15.6	15.7	16.3	15.1
1791	15.5	15.7	16.3	15.1
1790	15.3	15.7	16.3	15.1
1789	15.3	15.7	16.3	15.1
1788	15.3	15.7	16.3	15.0
1787	15.3	15.6	16.3	15.0
1786	15.3	15.6	16.2	15.0
1785	15.4	15.6	16.2	14.9
1784	15.6	15.6	16.2	14.9
1783	15.6	15.5	16.2	14.9
1782	15.6	15.5	16.2	14.9
1781	15.8	15.5	16.2	14.9
1780	15.7	15.5	16.2	14.9
1779	15.7	15.6	16.2	14.9

Year	i-STREC	21-years filtered	RMSE+	RMSE-
1778	15.7	15.6	16.2	15.0
1777	15.6	15.6	16.2	15.0
1776	15.5	15.6	16.3	15.0
1775	15.4	15.7	16.3	15.1
1774	15.4	15.7	16.4	15.1
1773	15.5	15.8	16.4	15.1
1772	15.5	15.8	16.4	15.1
1771	15.6	15.8	16.4	15.2
1770	15.6	15.8	16.4	15.2
1769	15.8	15.8	16.4	15.2
1768	15.9	15.8	16.4	15.2
1767	15.9	15.8	16.4	15.2
1766	16.1	15.8	16.5	15.2
1765	16.2	15.8	16.5	15.2
1764	16.2	15.8	16.5	15.2
1763	16.2	15.9	16.5	15.2
1762	16.1	15.9	16.5	15.3
1761	16.1	15.9	16.5	15.3
1760	16.0	15.9	16.6	15.3
1759	15.8	16.0	16.6	15.3
1758	15.7	16.0	16.6	15.3
1757	15.6	16.0	16.6	15.3
1756	15.7	15.9	16.6	15.3
1755	15.5	15.9	16.6	15.3
1754	15.8	15.9	16.5	15.3
1753	15.9	15.9	16.5	15.3
1752	16.0	15.9	16.5	15.3
1751	16.0	15.9	16.5	15.3
1750	16.2	15.9	16.5	15.2
1749	15.9	15.9	16.5	15.2
1748	15.9	15.9	16.5	15.2
1747	15.8	15.9	16.5	15.2
1746	15.7	15.9	16.5	15.2
1745	15.7	15.9	16.5	15.3
1744	15.9	15.9	16.5	15.3
1743	16.0	15.9	16.6	15.3
1742	15.9	15.9	16.6	15.3
1741	15.9	15.9	16.6	15.3
1740	16.0	15.9	16.6	15.3
1739	15.7	15.9	16.5	15.3
1738	15.7	15.9	16.5	15.3
1737	15.8	15.9	16.5	15.3
1736	15.9	15.9	16.6	15.3
1735	15.9	15.9	16.6	15.3
1734	16.1	15.9	16.6	15.3

Year	i-STREC	21-years filtered	RMSE+	RMSE-
1733	16.2	15.9	16.6	15.3
1732	16.1	15.9	16.5	15.3
1731	15.9	15.9	16.5	15.3
1730	15.8	15.9	16.5	15.3
1729	15.9	15.9	16.5	15.3
1728	15.9	15.9	16.5	15.3
1727	15.9	15.9	16.6	15.3
1726	15.9	15.9	16.6	15.3
1725	15.9	16.0	16.6	15.3
1724	15.7	16.0	16.6	15.3
1723	15.7	16.0	16.6	15.3
1722	15.7	16.0	16.6	15.3
1721	15.7	15.9	16.6	15.3
1720	15.7	15.9	16.6	15.3
1719	15.9	15.9	16.6	15.3
1718	16.0	15.9	16.6	15.3
1717	16.1	15.9	16.6	15.3
1716	16.2	15.9	16.6	15.3
1715	16.2	15.9	16.6	15.3
1714	16.2	15.9	16.6	15.3
1713	16.0	16.0	16.6	15.3
1712	16.0	16.0	16.6	15.3
1711	15.9	16.0	16.6	15.3
1710	15.9	16.0	16.6	15.4
1709	15.7	16.0	16.6	15.4
1708	15.9	16.0	16.6	15.4
1707	15.8	16.0	16.6	15.4
1706	16.1	16.0	16.6	15.3
1705	15.9	16.0	16.6	15.3
1704	15.9	15.9	16.6	15.3
1703	15.9	15.9	16.5	15.3
1702	15.9	15.9	16.5	15.3
1701	15.9	15.9	16.5	15.3
1700	16.0	15.9	16.5	15.2
1699	15.8	15.8	16.5	15.2
1698	15.9	15.8	16.5	15.2
1697	15.9	15.8	16.4	15.2
1696	15.8	15.8	16.4	15.2
1695	15.8	15.8	16.4	15.1
1694	15.9	15.7	16.4	15.1
1693	15.8	15.7	16.3	15.1
1692	15.7	15.7	16.3	15.1
1691	15.6	15.6	16.3	15.0
1690	15.5	15.6	16.2	15.0
1689	15.5	15.5	16.2	14.9

Year	i-STREC	21-years filtered	RMSE+	RMSE-
1688	15.5	15.5	16.2	14.9
1687	15.4	15.5	16.1	14.9
1686	15.5	15.5	16.1	14.8
1685	15.6	15.4	16.1	14.8
1684	15.4	15.4	16.0	14.8
1683	15.3	15.3	16.0	14.7
1682	15.2	15.3	15.9	14.7
1681	15.0	15.3	15.9	14.6
1680	14.8	15.2	15.8	14.6
1679	15.1	15.2	15.8	14.6
1678	15.3	15.2	15.8	14.6
1677	15.2	15.2	15.9	14.6
1676	15.2	15.3	15.9	14.6
1675	15.4	15.3	15.9	14.7
1674	14.9	15.3	15.9	14.7
1673	14.8	15.3	16.0	14.7
1672	14.8	15.4	16.0	14.7
1671	14.9	15.4	16.0	14.8
1670	14.8	15.5	16.1	14.8
1669	15.3	15.5	16.2	14.9
1668	15.4	15.6	16.2	15.0
1667	16.0	15.7	16.3	15.0
1666	16.2	15.7	16.3	15.1
1665	16.1	15.8	16.4	15.1
1664	16.0	15.8	16.5	15.2
1663	16.1	15.9	16.5	15.3
1662	15.8	16.0	16.6	15.3
1661	16.0	16.0	16.6	15.4
1660	16.2	16.1	16.7	15.5
1659	16.3	16.1	16.8	15.5
1658	16.3	16.2	16.8	15.5
1657	16.5	16.2	16.8	15.6
1656	16.4	16.2	16.8	15.6
1655	16.5	16.2	16.8	15.5
1654	16.5	16.2	16.8	15.5
1653	16.4	16.2	16.8	15.5
1652	16.1	16.2	16.8	15.5
1651	16.2	16.2	16.8	15.5
1650	16.1	16.1	16.8	15.5
1649	15.9	16.1	16.7	15.5
1648	16.0	16.1	16.7	15.5
1647	15.9	16.1	16.7	15.4
1646	15.9	16.0	16.7	15.4
1645	15.9	16.0	16.7	15.4
1644	16.0	16.0	16.6	15.4

Year	i-STREC	21-years filtered	RMSE+	RMSE-
1643	15.9	16.0	16.6	15.3
1642	16.0	15.9	16.5	15.3
1641	15.8	15.9	16.5	15.3
1640	15.7	15.9	16.5	15.2
1639	15.6	15.8	16.5	15.2
1638	15.7	15.8	16.4	15.2
1637	15.9	15.8	16.4	15.2
1636	15.9	15.8	16.4	15.1
1635	16.0	15.7	16.4	15.1
1634	15.9	15.7	16.4	15.1
1633	15.8	15.7	16.4	15.1
1632	15.4	15.7	16.4	15.1
1631	15.6	15.8	16.4	15.1
1630	15.5	15.8	16.4	15.2
1629	15.5	15.8	16.5	15.2
1628	15.4	15.9	16.5	15.2
1627	15.7	15.9	16.6	15.3
1626	15.3	16.0	16.6	15.3
1625	15.6	16.0	16.7	15.4
1624	15.7	16.1	16.7	15.4
1623	15.9	16.1	16.7	15.5
1622	16.0	16.1	16.8	15.5
1621	16.5	16.2	16.8	15.5
1620	16.4	16.2	16.8	15.5
1619	16.5	16.2	16.8	15.5
1618	16.7	16.2	16.8	15.5
1617	16.9	16.2	16.8	15.5
1616	16.9	16.2	16.8	15.5
1615	16.9	16.2	16.8	15.5
1614	16.9	16.2	16.8	15.5
1613	16.6	16.2	16.8	15.5
1612	16.3	16.2	16.8	15.5
1611	16.0	16.2	16.8	15.5
1610	15.8	16.1	16.8	15.5
1609	15.5	16.1	16.7	15.5
1608	15.5	16.1	16.7	15.4
1607	15.5	16.0	16.6	15.4
1606	15.5	15.9	16.6	15.3
1605	15.5	15.9	16.5	15.2
1604	15.7	15.8	16.4	15.2
1603	15.8	15.8	16.4	15.1
1602	15.8	15.7	16.4	15.1
1601	15.9	15.8	16.4	15.1
1600	15.8	15.8	16.4	15.2
1599	15.6	15.8	16.4	15.2

Year	i-STREC	21-years filtered	RMSE+	RMSE-
1598	15.5	15.9	16.5	15.2
1597	15.4	15.9	16.5	15.3
1596	15.5	15.9	16.5	15.3
1595	15.5	15.9	16.6	15.3
1594	15.8	16.0	16.6	15.3
1593	16.0	16.0	16.6	15.3
1592	16.3	16.0	16.6	15.3
1591	16.4	16.0	16.6	15.3
1590	16.6	16.0	16.6	15.3
1589	16.5	16.0	16.6	15.4
1588	16.4	16.0	16.6	15.4
1587	16.2	16.1	16.7	15.4
1586	16.0	16.1	16.7	15.5
1585	16.0	16.2	16.8	15.5
1584	15.8	16.2	16.9	15.6
1583	15.8	16.3	16.9	15.6
1582	15.8	16.3	16.9	15.7
1581	15.9	16.3	16.9	15.7
1580	15.9	16.3	17.0	15.7
1579	16.1	16.3	17.0	15.7
1578	16.2	16.3	17.0	15.7
1577	16.5	16.3	17.0	15.7
1576	16.6	16.4	17.0	15.7
1575	16.7	16.4	17.0	15.8
1574	16.7	16.4	17.0	15.8
1573	16.6	16.4	17.0	15.8
1572	16.7	16.4	17.1	15.8
1571	16.6	16.5	17.1	15.8
1570	16.7	16.5	17.1	15.8
1569	16.7	16.5	17.1	15.9
1568	16.7	16.5	17.1	15.9
1567	16.6	16.5	17.2	15.9
1566	16.7	16.5	17.2	15.9
1565	16.3	16.5	17.2	15.9
1564	16.3	16.5	17.2	15.9
1563	16.2	16.5	17.1	15.9
1562	16.2	16.5	17.1	15.9
1561	16.2	16.5	17.1	15.8
1560	16.3	16.5	17.1	15.8
1559	16.4	16.4	17.1	15.8
1558	16.5	16.4	17.0	15.8
1557	16.6	16.4	17.0	15.8
1556	16.5	16.4	17.0	15.7
1555	16.6	16.3	17.0	15.7
1554	16.5	16.3	16.9	15.7

Year	i-STREC	21-years filtered	RMSE+	RMSE-
1553	16.3	16.3	16.9	15.7
1552	16.3	16.3	16.9	15.6
1551	16.2	16.3	16.9	15.6
1550	16.2	16.3	16.9	15.6
1549	16.3	16.2	16.9	15.6
1548	16.2	16.2	16.8	15.6
1547	16.1	16.2	16.8	15.5
1546	16.0	16.1	16.8	15.5
1545	15.9	16.1	16.8	15.5
1544	15.9	16.1	16.7	15.5
1543	15.9	16.1	16.7	15.4
1542	15.9	16.1	16.7	15.4
1541	16.0	16.1	16.7	15.4
1540	16.0	16.1	16.7	15.4
1539	15.9	16.1	16.7	15.4
1538	15.9	16.0	16.7	15.4
1537	15.9	16.0	16.6	15.4
1536	15.9	16.0	16.6	15.4
1535	16.0	16.0	16.6	15.4
1534	16.0	16.0	16.6	15.4
1533	16.1	16.0	16.6	15.4
1532	16.2	16.0	16.6	15.4
1531	16.2	16.0	16.7	15.4
1530	16.2	16.0	16.7	15.4
1529	16.1	16.0	16.6	15.4
1528	15.9	16.0	16.6	15.4
1527	15.7	16.0	16.6	15.3
1526	15.7	15.9	16.6	15.3
1525	15.8	15.9	16.5	15.3
1524	15.9	15.9	16.5	15.3
1523	16.1	15.9	16.5	15.2
1522	16.2	15.9	16.5	15.2
1521	16.3	15.8	16.5	15.2
1520	16.0	15.8	16.5	15.2
1519	15.8	15.8	16.4	15.2
1518	15.6	15.8	16.4	15.2
1517	15.4	15.8	16.5	15.2
1516	15.2	15.8	16.5	15.2
1515	15.3	15.9	16.5	15.2
1514	15.5	15.9	16.5	15.3
1513	15.6	15.9	16.5	15.3
1512	15.8	15.9	16.6	15.3
1511	15.9	15.9	16.6	15.3
1510	16.0	15.9	16.6	15.3
1509	15.9	15.9	16.5	15.3

Year	i-STREC	21-years filtered	RMSE+	RMSE-
1508	16.0	15.9	16.5	15.3
1507	16.1	15.9	16.5	15.3
1506	16.1	15.9	16.5	15.2
1505	16.3	15.9	16.5	15.2
1504	16.3	15.9	16.5	15.2
1503	16.3	15.9	16.5	15.2
1502	16.4	15.9	16.5	15.2
1501	16.5	15.8	16.5	15.2
1500	16.1	15.8	16.4	15.2
1499	15.7	15.8	16.4	15.2
1498	15.4	15.8	16.4	15.2
1497	15.3	15.8	16.4	15.2
1496	15.2	15.8	16.4	15.1
1495	15.2	15.7	16.4	15.1
1494	15.4	15.7	16.3	15.1
1493	15.3	15.6	16.3	15.0
1492	15.3	15.6	16.2	15.0
1491	15.3	15.5	16.2	14.9
1490	15.5	15.5	16.1	14.8
1489	15.6	15.5	16.1	14.8
1488	15.8	15.5	16.1	14.8
1487	15.7	15.5	16.1	14.9
1486	15.7	15.5	16.1	14.9
1485	15.5	15.6	16.2	14.9
1484	15.2	15.6	16.2	14.9
1483	15.2	15.6	16.2	14.9
1482	15.3	15.6	16.2	14.9
1481	15.2	15.6	16.2	14.9
1480	15.4	15.6	16.2	14.9
1479	15.8	15.6	16.2	15.0
1478	15.9	15.6	16.2	14.9
1477	15.8	15.6	16.2	14.9
1476	16.1	15.6	16.2	14.9
1475	15.9	15.6	16.2	14.9
1474	15.4	15.6	16.2	14.9
1473	15.3	15.6	16.2	15.0
1472	15.4	15.6	16.3	15.0
1471	15.3	15.7	16.3	15.0
1470	15.6	15.7	16.3	15.0
1469	15.6	15.7	16.3	15.1
1468	15.6	15.7	16.3	15.1
1467	15.6	15.7	16.3	15.1
1466	15.7	15.7	16.3	15.1
1465	15.6	15.7	16.3	15.1
1464	15.8	15.7	16.3	15.0

Year	i-STREC	21-years filtered	RMSE+	RMSE-
1463	15.9	15.7	16.3	15.0
1462	15.8	15.7	16.3	15.1
1461	15.5	15.7	16.3	15.1
1460	15.6	15.7	16.4	15.1
1459	15.9	15.8	16.4	15.2
1458	15.9	15.8	16.5	15.2
1457	15.8	15.9	16.5	15.3
1456	16.0	15.9	16.6	15.3
1455	15.7	16.0	16.6	15.3
1454	15.5	16.0	16.7	15.4
1453	15.4	16.1	16.7	15.4
1452	15.7	16.1	16.7	15.5
1451	15.8	16.2	16.8	15.5
1450	16.1	16.2	16.8	15.6
1449	16.5	16.2	16.9	15.6
1448	16.6	16.2	16.9	15.6
1447	16.7	16.2	16.9	15.6
1446	16.6	16.2	16.9	15.6
1445	16.6	16.2	16.9	15.6
1444	16.6	16.3	16.9	15.6
1443	16.7	16.3	16.9	15.7
1442	16.7	16.3	17.0	15.7
1441	16.8	16.4	17.0	15.7
1440	16.4	16.4	17.0	15.8
1439	16.3	16.4	17.0	15.7
1438	16.0	16.3	16.9	15.7
1437	15.8	16.2	16.9	15.6
1436	15.8	16.2	16.8	15.5
1435	16.1	16.1	16.7	15.5
1434	16.2	16.0	16.6	15.4
1433	16.2	15.9	16.6	15.3
1432	16.4	15.9	16.5	15.2
1431	16.4	15.8	16.4	15.2
1430	16.1	15.7	16.4	15.1
1429	15.7	15.7	16.3	15.1
1428	15.4	15.7	16.3	15.1
1427	15.1	15.7	16.3	15.0
1426	15.0	15.7	16.3	15.1
1425	15.0	15.7	16.3	15.1
1424	15.0	15.7	16.3	15.1
1423	15.2	15.7	16.3	15.1
1422	15.3	15.7	16.3	15.1
1421	15.1	15.7	16.3	15.1
1420	15.4	15.7	16.3	15.1
1419	15.8	15.7	16.3	15.1

Year	i-STREC	21-years filtered	RMSE+	RMSE-
1418	15.9	15.8	16.4	15.1
1417	15.9	15.8	16.5	15.2
1416	16.0	15.9	16.6	15.3
1415	16.1	16.0	16.6	15.4
1414	16.1	16.1	16.7	15.5
1413	16.1	16.2	16.8	15.5
1412	16.2	16.2	16.9	15.6
1411	16.4	16.3	16.9	15.6
1410	16.3	16.3	16.9	15.7
1409	16.5	16.3	16.9	15.7
1408	16.8	16.3	16.9	15.7
1407	16.9	16.3	16.9	15.6
1406	17.0	16.3	16.9	15.6
1405	16.9	16.3	16.9	15.6
1404	16.8	16.3	16.9	15.6
1403	16.6	16.3	16.9	15.6
1402	16.3	16.3	16.9	15.6
1401	16.0	16.3	16.9	15.7
1400	15.8	16.3	16.9	15.7
1399	15.6	16.3	16.9	15.7
1398	15.5	16.3	16.9	15.7
1397	15.5	16.3	16.9	15.7
1396	15.6	16.3	16.9	15.6
1395	15.8	16.2	16.9	15.6
1394	16.1	16.2	16.8	15.6
1393	16.2	16.2	16.8	15.5
1392	16.4	16.2	16.8	15.5
1391	16.6	16.2	16.8	15.5
1390	16.7	16.2	16.8	15.5
1389	16.5	16.2	16.8	15.5
1388	16.6	16.2	16.8	15.5
1387	16.4	16.2	16.8	15.6
1386	16.3	16.2	16.8	15.6
1385	16.0	16.2	16.8	15.6
1384	16.3	16.2	16.8	15.6
1383	16.3	16.2	16.8	15.6
1382	16.2	16.2	16.8	15.5
1381	16.2	16.1	16.8	15.5
1380	16.1	16.1	16.7	15.5
1379	15.9	16.0	16.7	15.4
1378	15.9	16.0	16.6	15.4
1377	16.0	16.0	16.6	15.3
1376	15.6	15.9	16.6	15.3
1375	15.8	15.9	16.6	15.3
1374	15.8	15.9	16.6	15.3

Year	i-STREC	21-years filtered	RMSE+	RMSE-
1373	15.7	15.9	16.5	15.3
1372	15.6	15.9	16.5	15.3
1371	15.7	15.9	16.5	15.3
1370	15.7	15.9	16.5	15.3
1369	15.7	15.9	16.6	15.3
1368	15.8	16.0	16.6	15.3
1367	15.8	16.0	16.6	15.3
1366	16.0	16.0	16.6	15.3
1365	16.0	16.0	16.6	15.3
1364	15.9	16.0	16.6	15.3
1363	15.9	15.9	16.6	15.3
1362	16.2	15.9	16.5	15.3
1361	16.3	15.9	16.5	15.3
1360	16.4	15.9	16.5	15.2
1359	16.5	15.9	16.5	15.2
1358	16.4	15.9	16.5	15.2
1357	16.1	15.9	16.5	15.2
1356	16.0	15.9	16.5	15.2
1355	15.7	15.9	16.5	15.2
1354	15.4	15.9	16.5	15.2
1353	15.3	15.9	16.5	15.2
1352	15.3	15.9	16.5	15.2
1351	15.3	15.9	16.5	15.2
1350	15.3	15.9	16.5	15.2
1349	15.6	15.9	16.5	15.2
1348	15.6	15.8	16.5	15.2
1347	15.6	15.8	16.5	15.2
1346	15.8	15.9	16.5	15.2
1345	15.8	15.9	16.5	15.2
1344	16.0	15.9	16.5	15.3
1343	16.0	15.9	16.5	15.3
1342	16.1	15.9	16.6	15.3
1341	16.1	16.0	16.6	15.3
1340	16.3	16.0	16.6	15.3
1339	16.2	16.0	16.6	15.4
1338	16.2	16.0	16.6	15.4
1337	16.4	16.0	16.6	15.4
1336	16.4	16.0	16.7	15.4
1335	16.2	16.0	16.7	15.4
1334	16.1	16.1	16.7	15.4
1333	16.0	16.1	16.7	15.4
1332	15.8	16.1	16.7	15.5
1331	15.6	16.1	16.8	15.5
1330	15.7	16.1	16.8	15.5
1329	15.8	16.1	16.8	15.5

Year	i-STREC	21-years filtered	RMSE+	RMSE-
1328	15.8	16.2	16.8	15.5
1327	15.8	16.2	16.8	15.5
1326	15.9	16.2	16.8	15.5
1325	16.1	16.2	16.8	15.5
1324	16.2	16.2	16.8	15.5
1323	16.4	16.2	16.8	15.5
1322	16.6	16.2	16.8	15.5
1321	16.5	16.2	16.8	15.6
1320	16.4	16.2	16.8	15.6
1319	16.5	16.2	16.8	15.6
1318	16.4	16.2	16.8	15.6
1317	16.3	16.2	16.8	15.6
1316	16.4	16.2	16.8	15.6
1315	16.4	16.2	16.8	15.6
1314	16.2	16.2	16.8	15.5
1313	16.2	16.1	16.8	15.5
1312	16.1	16.1	16.8	15.5
1311	16.0	16.1	16.7	15.5
1310	16.0	16.1	16.7	15.5
1309	16.0	16.1	16.7	15.4
1308	15.8	16.1	16.7	15.4
1307	15.5	16.0	16.7	15.4
1306	15.6	16.0	16.7	15.4
1305	15.8	16.0	16.6	15.4
1304	15.6	16.0	16.6	15.4
1303	15.8	16.0	16.6	15.3
1302	16.0	16.0	16.6	15.3
1301	16.1	15.9	16.6	15.3
1300	16.2	15.9	16.5	15.3
1299	16.1	15.9	16.5	15.3
1298	16.1	15.9	16.5	15.3
1297	16.2	15.9	16.5	15.3
1296	16.0	15.9	16.5	15.3
1295	16.0	15.9	16.5	15.3
1294	16.0	15.9	16.6	15.3
1293	15.9	16.0	16.6	15.3
1292	15.7	16.0	16.6	15.4
1291	15.7	16.0	16.6	15.4
1290	15.6	16.0	16.6	15.4
1289	15.6	16.0	16.6	15.4
1288	15.7	16.0	16.6	15.4
1287	15.9	16.0	16.6	15.4
1286	15.9	16.0	16.6	15.4
1285	15.9	16.0	16.7	15.4
1284	16.2	16.0	16.7	15.4

Year	i-STREC	21-years filtered	RMSE+	RMSE-
1283	16.1	16.1	16.7	15.4
1282	16.2	16.1	16.7	15.5
1281	16.2	16.1	16.7	15.5
1280	16.3	16.1	16.7	15.5
1279	16.2	16.1	16.7	15.5
1278	16.3	16.1	16.7	15.5
1277	16.2	16.1	16.8	15.5
1276	16.3	16.1	16.7	15.5
1275	16.3	16.1	16.7	15.5
1274	16.3	16.1	16.7	15.5
1273	16.3	16.1	16.7	15.5
1272	16.3	16.1	16.8	15.5
1271	16.2	16.1	16.8	15.5
1270	15.9	16.1	16.8	15.5
1269	15.7	16.1	16.8	15.5
1268	15.6	16.1	16.8	15.5
1267	15.7	16.1	16.8	15.5
1266	15.8	16.1	16.8	15.5
1265	15.8	16.1	16.7	15.5
1264	16.0	16.1	16.7	15.5
1263	16.3	16.1	16.7	15.4
1262	16.2	16.0	16.7	15.4
1261	16.2	16.0	16.6	15.4
1260	16.3	16.0	16.6	15.4
1259	16.4	16.0	16.6	15.4
1258	16.2	16.0	16.6	15.4
1257	16.2	16.0	16.7	15.4
1256	16.2	16.1	16.7	15.4
1255	16.0	16.1	16.7	15.5
1254	15.9	16.1	16.8	15.5
1253	15.8	16.2	16.8	15.5
1252	15.8	16.2	16.8	15.6
1251	15.7	16.2	16.8	15.6
1250	15.8	16.2	16.8	15.6
1249	15.7	16.2	16.8	15.6
1248	16.0	16.2	16.8	15.6
1247	16.2	16.2	16.8	15.6
1246	16.5	16.2	16.8	15.6
1245	16.6	16.2	16.8	15.5
1244	16.6	16.2	16.8	15.5
1243	16.6	16.1	16.8	15.5
1242	16.4	16.1	16.8	15.5
1241	16.3	16.1	16.8	15.5
1240	16.3	16.1	16.8	15.5
1239	16.4	16.2	16.8	15.5

Year	i-STREC	21-years filtered	RMSE+	RMSE-
1238	16.3	16.2	16.8	15.5
1237	16.2	16.2	16.8	15.5
1236	16.1	16.1	16.8	15.5
1235	15.9	16.1	16.7	15.5
1234	15.7	16.0	16.7	15.4
1233	15.6	16.0	16.6	15.4
1232	15.8	16.0	16.6	15.3
1231	15.8	15.9	16.5	15.3
1230	15.8	15.9	16.5	15.3
1229	16.0	15.9	16.5	15.2
1228	16.0	15.8	16.5	15.2
1227	15.7	15.8	16.5	15.2
1226	15.6	15.8	16.5	15.2
1225	15.7	15.8	16.5	15.2
1224	15.6	15.9	16.5	15.2
1223	15.6	15.9	16.5	15.3
1222	15.7	15.9	16.6	15.3
1221	15.6	15.9	16.6	15.3
1220	15.7	15.9	16.6	15.3
1219	15.8	15.9	16.6	15.3
1218	15.8	16.0	16.6	15.3
1217	16.1	16.0	16.6	15.3
1216	16.4	16.0	16.6	15.4
1215	16.4	16.1	16.7	15.4
1214	16.5	16.1	16.7	15.5
1213	16.3	16.1	16.8	15.5
1212	16.0	16.2	16.8	15.5
1211	15.8	16.2	16.8	15.6
1210	15.8	16.2	16.9	15.6
1209	16.0	16.3	16.9	15.6
1208	16.3	16.3	16.9	15.6
1207	16.4	16.3	16.9	15.6
1206	16.5	16.2	16.8	15.6
1205	16.6	16.2	16.8	15.5
1204	16.5	16.1	16.7	15.5
1203	16.3	16.1	16.7	15.4
1202	16.4	16.0	16.7	15.4
1201	16.5	16.1	16.7	15.4
1200	16.3	16.1	16.7	15.4
1199	16.1	16.1	16.7	15.5
1198	15.9	16.1	16.8	15.5
1197	15.6	16.1	16.8	15.5
1196	15.4	16.2	16.8	15.5
1195	15.3	16.2	16.8	15.5
1194	15.3	16.2	16.8	15.5

Year	i-STREC	21-years filtered	RMSE+	RMSE-
1193	15.6	16.2	16.8	15.5
1192	15.8	16.2	16.8	15.5
1191	16.1	16.2	16.8	15.6
1190	16.3	16.2	16.8	15.6
1189	16.5	16.2	16.8	15.6
1188	16.6	16.2	16.9	15.6
1187	16.5	16.3	16.9	15.6
1186	16.5	16.3	16.9	15.7
1185	16.6	16.3	17.0	15.7
1184	16.6	16.4	17.0	15.8
1183	16.5	16.4	17.1	15.8
1182	16.6	16.5	17.1	15.9
1181	16.7	16.5	17.2	15.9
1180	16.6	16.6	17.2	15.9
1179	16.5	16.6	17.2	15.9
1178	16.7	16.6	17.2	15.9
1177	16.5	16.5	17.2	15.9
1176	16.4	16.5	17.2	15.9
1175	16.3	16.5	17.1	15.9
1174	16.4	16.5	17.1	15.8
1173	16.6	16.4	17.0	15.8
1172	16.6	16.4	17.0	15.7
1171	16.6	16.3	16.9	15.7
1170	16.6	16.3	16.9	15.6
1169	16.6	16.2	16.8	15.6
1168	16.4	16.1	16.8	15.5
1167	16.2	16.1	16.7	15.5
1166	16.1	16.1	16.7	15.4
1165	15.8	16.0	16.7	15.4
1164	15.7	16.0	16.7	15.4
1163	15.7	16.0	16.7	15.4
1162	15.6	16.0	16.7	15.4
1161	15.5	16.0	16.7	15.4
1160	15.4	16.0	16.7	15.4
1159	15.4	16.0	16.7	15.4
1158	15.3	16.0	16.7	15.4
1157	15.6	16.1	16.7	15.4
1156	15.9	16.1	16.7	15.4
1155	16.0	16.1	16.7	15.5
1154	16.3	16.1	16.8	15.5
1153	16.4	16.2	16.8	15.5
1152	16.5	16.2	16.8	15.6
1151	16.5	16.2	16.8	15.6
1150	16.6	16.2	16.9	15.6
1149	16.8	16.3	16.9	15.6

Year	i-STREC	21-years filtered	RMSE+	RMSE-
1148	16.5	16.3	16.9	15.7
1147	16.7	16.4	17.0	15.7
1146	16.7	16.4	17.0	15.8
1145	16.7	16.4	17.1	15.8
1144	16.4	16.4	17.1	15.8
1143	16.4	16.4	17.1	15.8
1142	16.1	16.4	17.1	15.8
1141	16.1	16.4	17.1	15.8
1140	16.0	16.4	17.0	15.8
1139	16.2	16.4	17.0	15.7
1138	16.4	16.3	16.9	15.7
1137	16.4	16.3	16.9	15.7
1136	16.5	16.3	16.9	15.6
1135	16.5	16.2	16.9	15.6
1134	16.2	16.2	16.9	15.6
1133	16.3	16.2	16.9	15.6
1132	16.3	16.3	16.9	15.6
1131	16.0	16.3	16.9	15.7
1130	15.9	16.3	17.0	15.7
1129	15.9	16.4	17.0	15.7
1128	15.9	16.4	17.0	15.8
1127	15.9	16.4	17.0	15.8
1126	16.2	16.4	17.0	15.8
1125	16.3	16.4	17.0	15.8
1124	16.4	16.4	17.0	15.8
1123	16.7	16.4	17.0	15.8
1122	16.7	16.4	17.0	15.8
1121	16.7	16.4	17.1	15.8
1120	16.8	16.5	17.1	15.8
1119	16.9	16.5	17.1	15.9
1118	16.6	16.5	17.2	15.9
1117	16.6	16.6	17.2	16.0
1116	16.6	16.6	17.3	16.0
1115	16.4	16.7	17.3	16.0
1114	16.4	16.7	17.3	16.1
1113	16.4	16.7	17.3	16.1
1112	16.5	16.7	17.3	16.1
1111	16.6	16.7	17.3	16.1
1110	16.6	16.7	17.3	16.1
1109	16.8	16.7	17.3	16.1
1108	16.8	16.7	17.3	16.1
1107	16.9	16.7	17.3	16.1
1106	16.9	16.7	17.3	16.1
1105	16.9	16.7	17.3	16.1
1104	16.9	16.7	17.4	16.1

Year	i-STREC	21-years filtered	RMSE+	RMSE-
1103	16.7	16.7	17.4	16.1
1102	16.8	16.8	17.4	16.1
1101	16.7	16.8	17.4	16.1
1100	16.6	16.8	17.4	16.2
1099	16.7	16.8	17.4	16.2
1098	16.7	16.8	17.4	16.2
1097	16.7	16.8	17.4	16.1
1096	16.7	16.7	17.4	16.1
1095	16.7	16.7	17.3	16.1
1094	16.7	16.7	17.3	16.1
1093	16.8	16.6	17.3	16.0
1092	16.9	16.6	17.2	16.0
1091	16.8	16.6	17.2	15.9
1090	16.8	16.5	17.2	15.9
1089	16.6	16.5	17.1	15.9
1088	16.6	16.5	17.1	15.8
1087	16.5	16.4	17.0	15.8
1086	16.4	16.4	17.0	15.8
1085	16.3	16.4	17.0	15.7
1084	16.2	16.3	17.0	15.7
1083	16.0	16.3	16.9	15.7
1082	16.0	16.3	16.9	15.7
1081	16.0	16.3	16.9	15.6
1080	15.8	16.2	16.9	15.6
1079	15.9	16.2	16.8	15.6
1078	16.0	16.2	16.8	15.6
1077	15.9	16.2	16.8	15.5
1076	16.0	16.2	16.8	15.5
1075	16.0	16.1	16.8	15.5
1074	16.2	16.1	16.7	15.5
1073	16.2	16.1	16.7	15.5
1072	16.4	16.1	16.7	15.5
1071	16.3	16.1	16.7	15.5
1070	16.3	16.1	16.7	15.5
1069	16.3	16.1	16.7	15.5
1068	16.3	16.1	16.8	15.5
1067	16.1	16.1	16.8	15.5
1066	16.1	16.2	16.8	15.5
1065	15.9	16.2	16.8	15.5
1064	15.8	16.2	16.8	15.5
1063	15.8	16.2	16.8	15.6
1062	16.0	16.2	16.8	15.6
1061	16.0	16.2	16.8	15.6
1060	16.1	16.2	16.8	15.5
1059	16.2	16.2	16.8	15.5

Year	i-STREC	21-years filtered	RMSE+	RMSE-
1058	16.2	16.1	16.8	15.5
1057	16.2	16.1	16.8	15.5
1056	16.3	16.1	16.8	15.5
1055	16.3	16.2	16.8	15.5
1054	16.2	16.2	16.8	15.5
1053	16.5	16.2	16.8	15.6
1052	16.3	16.2	16.9	15.6
1051	16.1	16.3	16.9	15.6
1050	16.0	16.3	16.9	15.7
1049	16.0	16.3	17.0	15.7
1048	16.1	16.4	17.0	15.7
1047	16.1	16.4	17.0	15.8
1046	16.3	16.4	17.0	15.8
1045	16.3	16.4	17.1	15.8
1044	16.4	16.5	17.1	15.8
1043	16.3	16.5	17.1	15.9
1042	16.5	16.5	17.1	15.9
1041	16.6	16.5	17.2	15.9
1040	16.8	16.5	17.2	15.9
1039	16.7	16.6	17.2	15.9
1038	16.8	16.6	17.2	16.0
1037	16.7	16.6	17.3	16.0
1036	16.7	16.7	17.3	16.0
1035	17.0	16.7	17.3	16.0
1034	16.8	16.7	17.3	16.1
1033	16.9	16.7	17.3	16.1
1032	16.8	16.7	17.4	16.1
1031	16.6	16.7	17.4	16.1
1030	16.4	16.7	17.4	16.1
1029	16.5	16.7	17.4	16.1
1028	16.6	16.7	17.4	16.1
1027	16.7	16.7	17.3	16.1
1026	16.8	16.7	17.3	16.1
1025	16.8	16.7	17.3	16.1
1024	16.7	16.7	17.3	16.0
1023	16.7	16.7	17.3	16.0
1022	16.7	16.7	17.3	16.0
1021	16.6	16.7	17.3	16.0
1020	16.6	16.7	17.3	16.1
1019	16.7	16.7	17.4	16.1
1018	16.6	16.8	17.4	16.2
1017	16.4	16.8	17.4	16.2
1016	16.5	16.8	17.5	16.2
1015	16.5	16.8	17.4	16.2
1014	16.5	16.8	17.4	16.2

Year	i-STREC	21-years filtered	RMSE+	RMSE-
1013	16.7	16.8	17.4	16.2
1012	16.9	16.8	17.4	16.1
1011	17.1	16.8	17.4	16.1
1010	17.3	16.8	17.4	16.1
1009	17.3	16.8	17.4	16.1
1008	17.3	16.8	17.4	16.1
1007	17.1	16.8	17.4	16.2
1006	16.9		17.6	16.3
1005	16.7		17.4	16.1
1004	16.5		17.1	15.9
1003	16.3		17.0	15.7
1002	16.4		17.0	15.8
1001	16.4		17.1	15.8
1000	16.6		17.2	16.0
999	16.7		17.4	16.1
998	16.8		17.4	16.2
997	17.0		17.6	16.4