Multi-scale climate variability in Nova Scotia during the past century

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Abstract

A study of the Nova Scotia surface air temperature over the last century (1900 to 2015) shows that internal variability on inter-annual, decadal and multi-decadal time scales can be partly explained by ocean-atmospheric climate modes, external and anthropogenic forcings. The Atlantic Multidecadal Oscillation (AMO) and Arctic Oscillation (AO) are shown to be the dominant climate drivers in Nova Scotia. The El Niño Southern Oscillation (ENSO) is also shown to be a dominant climate driver but only during the summer. Multivariate models were generated over the full time period using only natural ocean-atmospheric modes of variability but could not explain the rapid increase in the recent rate of warming (post-1980). The inclusion of anthropogenic greenhouse gas forcing to the models improved their predictive power annually and seasonally. The modelling results show that 11% of the annual variability in Nova Scotia results from natural forcings along with anthropogenic greenhouse gas forcing while seasonally up to 28% of the temperature variability can be explained by natural plus greenhouse gas forcings. The annual and seasonal low explained variance suggests that Nova Scotia is poorly modulated by climate indices, specifically during the winter, the time when relationships between ocean-atmospheric modes and the regional climate should be the strongest. It leads to believe that Nova Scotia is located in a transition zone where large-scale ocean-atmospheric modes of variability are transitioning from being positively correlated in a region to being negatively correlated in another region. The results of this study help to better understand how large-scale ocean-atmospheric modes of variability, external and anthropogenic greenhouse gas forcings affect Nova Scotia's surface air temperatures and also provide insight into future potential variability under a changing climate.

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Chapter 1 – Introduction

1.1. Introduction

The recent global warming trend continues unabated (IPCC, 2013). Regional-scale climate change appears ongoing with impacts ranging from increases in extreme weather events, coastal erosion, and ecosystem degradation (Vasseur & Catto, 2008). The twentieth century has been significantly impacted by large regional climate variations (Knight, Folland, & Scaife, 2006). These abrupt climate change processes take place on many different time scales, from seasonal to multidecadal (Schwing, Murphree, & Green, 2002). Large-scale anomalies that impact the variability of the atmospheric circulation on a temporal and spatial level are referred to as ocean-atmospheric teleconnections (National Oceanic and Atmospheric Administration, 2013). They can have impacts on regional to global scales, for example, the El Niño Southern Oscillation (ENSO) warms or cools the equatorial Pacific but also impacts other regions around the globe (Park, Deng, & Cai, 2012).

In this study, we look at the impacts of ocean-atmospheric teleconnections on surface temperature patterns in Nova Scotia. Impacts from ocean-atmosphere teleconnections have been understudied in this region compared to other regions of Canada (Drinkwater et al., 2003; Hurrel, 1995; Hurrel & Deser, 2009; Knight, Folland, & Scaife., 2006; Mehta et al., 2000; Pinto & Raible, 2012; Shabbar, 2006; and Wettstein & Mearns, 2002).

This thesis evaluates the relationship between large-scale ocean-atmospheric modes and other climate forcings to establish which main climate factors drive climate variations in Nova Scotia Canada through an in-depth analysis on multi-temporal scales. It specifically attempts to answer the following questions:

1. How do large-scale ocean-atmospheric modes of variability and external forcings influence the climate (past and present) in Nova Scotia across inter-annual to multi-decadal timescale?

2. Is there any evidence of change in Nova Scotia's climate that support a dominant Greenhouse Gas forcing (GHG) during the past century?

This type of analysis should reveal which combinations of large-scale ocean-atmospheric teleconnections and external/anthropogenic climate forcings dominate surface air temperature in Nova Scotia on various time scales (e.g. monthly to annual). A better understanding of the underlying dominant natural and external/anthropogenic large-scale processes contributing to climate variability in Nova Scotia can help predict future climate change for this region.

This thesis is in the form of an article describing the link between climate variability and major ocean-atmospheric modes of variability, and external forcings in Nova Scotia during the past century. After a literature review and a detailed description of the methods (in Chapter 1), the results of the research will be presented in the form of a scientific article in Chapter 2. Chapter 3 will present the overall conclusions, limitations of this study and future work.

1.2. <u>Background literature</u>

1.2.1. Ocean-atmospheric teleconnections

Ocean-atmospheric teleconnections are climate anomalies that extend over large distances around the world. These anomalies reveal the propagation of disturbances over vast distances across the atmosphere (Hsieh, Wu, & Shabbar, 2006). Several large-scale ocean-atmospheric teleconnection patterns such as El Niño Southern Oscillation (ENSO), Atlantic Multidecadal Oscillation (AMO), North Atlantic Oscillation (NAO), Arctic Oscillation (AO), and Pacific Decadal Oscillation (PDO) are well known to the scientific community (Figure 1.1).

Figure 1.1: Location of the Earth's major atmospheric patterns in their regions of origin: ENSO (El Niño Southern Oscillation), NAO (North Atlantic Oscillation), AO/NAM (Arctic Oscillation/Northern Annular Mode), AMO (Atlantic Multidecadal Oscillation) and PDO (Pacific Decadal Oscillation).

Source: University Corporation for Atmospheric Research (2017)

1.2.1.1. El Niño Southern Oscillation

El Niño Southern Oscillation (ENSO) is a quasi-periodic phenomenon, occurring at irregular intervals ranging from two to seven years (Environment Canada, 2012b). It is an ocean-atmospheric coupling characterized by a change in the trade winds that leads to warmer waters in the eastern Pacific Ocean along the coast of Ecuador and Peru causing numerous variations in global weather patterns (Cane, 1983). ENSO is defined by two phases: a warm phase (El Niño) that brings high air surface pressure in the western pacific and a cold phase (La Niña) that bring low air surface pressure in the western pacific (Figure 1.2).

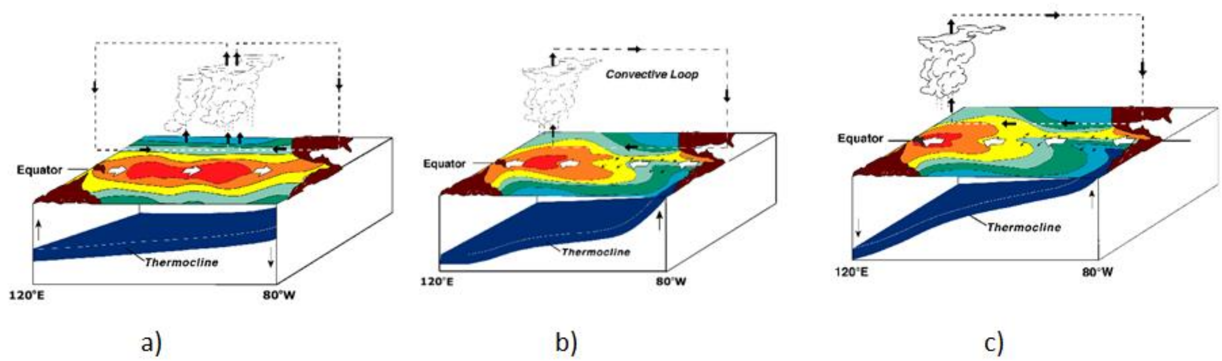
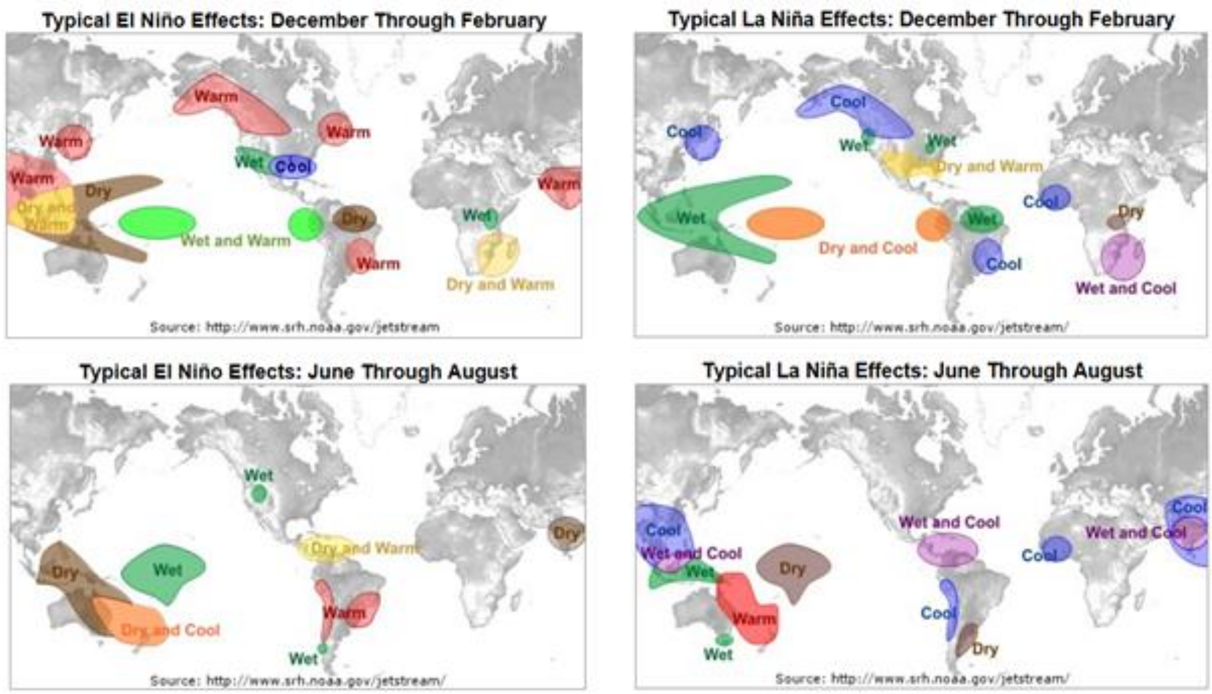


Figure 1.2: El Niño and La Niña conditions in comparison to normal sea conditions; a) El Niño conditions, **b)** Normal conditions, **c)** La Niña conditions

Source: McPhaden et al. (1998) *from* National Oceanic and Atmospheric Administration's Tropical Atmosphere Ocean Project

These surface pressure variations can be associated with changes in ocean circulation (Trenberth, et al., 2007). This phenomenon has lasting effects on temperature, precipitation and wind patterns all over the world. The strength of these teleconnections varies depending on location and seasons (van Oldenborgh & Burgers, 2005).



a) b)

Figure 1.3: Regions affected by El Niño; during warm and cold episodes a) Regions affected by a warm phase (El Niño) during the boreal winter (December-February) and during the summer (June August); **b)** Regions affected by a cold phase (La Niña) during the boreal winter (December-February) and during the summer (June August)

Source: North Carolina State University *from* National Oceanic and Atmospheric Administration's National Climatic Data Center

During a regular year, strong trade winds drive warm waters westwards away from the coast of South America (Cane, 1983). This causes the upwelling of cold water on the coast of Peru and Ecuador which brings nutrients to the surface and causes dry conditions along the coast (Figure 1.2b; National Oceanic and Atmospheric Administration, 1999b). A warm phase, the El Niño period (Figure 1.2a), is defined by a negative Southern Oscillation index that is characterised by a negative sea-pressure difference between Tahiti and Darwin (Shabbar & Khandekar, 1996). It leads to a higher pressure pattern over western Canada and an opposite pressure pattern over the southeastern United States (Shabbar & Khandekar, 1996). This is caused by weaker than normal easterly winds that fail to push the warm surface waters off the South American coast and flatten the thermocline (National Oceanic and Atmospheric Administration, 1999b; van Oldenborgh & Burgers, 2005). The warmer waters produce a large source of moisture and rainfall in regions that are normally some of the most arid regions in the world (Eichler, Londoño, & Londoño, 2013).

A cold ENSO phase, the La Nina period (Figure 1.2c), is characterised by a positive sea-pressure difference between Tahiti and Darwin (Shabbar & Khandekar, 1996). This leads to the development of a strong high pressure ridge over Alaska and the Yukon (Shabbar & Khandekar, 1996). It is the reversal of a warm event, consisting of a cooling in the Pacific Ocean (Trenberth K. E., 1997). Stronger easterly winds push more warm water towards the west (Philander, 1985). This leads to a drastic drop in sea surface temperatures near the coast of South America as a result of the cold upwelling water (Eichler, Londoño, & Londoño, 2013).

The impact of El Niño on temperature and precipitation patterns around the world has been well illustrated (Figure 1.3). During a warm-phase (El Niño), a warming is experience over Canada, northern U.S, northern South America, eastern Africa, Maritime Continent and Australia while cooler conditions are experienced over southern U.S., Caribbean Sea and southern South America (Park, Deng, & Cai, 2012). During an El Niño winter, the split of the jet stream upon its approach to North America causes milder and drier winters for regions between the two branches (Shabbar, 2006). The milder temperatures spread towards the east leaving many parts of the country, including the Maritime Provinces, warmer than normal from the late fall to early spring (Shabbar & Khandekar, 1996). The jet stream over the northeastern part of Canada retains the

Arctic air mass over the high Arctic which produces below normal temperatures during the winter for those regions (Shabbar, 2006). Global anomaly patterns during a cold phase (La Niña) are usually opposite to those associated with El Niño (Park, Deng, & Cai, 2012). These anomaly patterns affect the jet stream by changing its position and intensity which leads to a change in storm behaviours in the tropics (National Oceanic and Atmospheric Administration, n.d.). In Canada, a cold phase results in cooler than-normal condition from the Yukon extending southeastward all the way into the upper Great Lakes region during the winter season (Shabbar & Khandekar, 1996). Eastern Canada surface temperatures are generally only affected by the El Niño winter phase (Shabbar & Khandekar, 1996).

1.2.1.2. Atlantic Multidecadal Oscillation

The Atlantic Multidecadal Oscillation (AMO) is a near global scale mode of climate variability over large parts of the Northern Hemisphere (Knight, Folland, & Scaife, 2006). The climate variability alternates between a warm phase and a cool phase which can last up to 20-40 years (National Oceanic and Atmospheric Administration, 2005a). The AMO mainly consists of varying sea surface temperatures (SST) in the Northern parts of the Atlantic Ocean causing lasting effects on temperature, precipitation and hurricane patterns (Trenberth & Shea, 2006). The SST anomalies reversal of warm and cold in the North Atlantic are noticeable every few decades (Figure 1.4; Guan & Nigam, 2009). It has been suggested that the main cause of the multidecadal variability could possibly be due to changes in the strength of the thermohaline circulation (Gray, Graumlich, Betancourt, & Pederson, 2004).

The AMO is characterised by a warm phase followed by a cool phase. Generally, a warm phase is associated with less rainfall over most of the United States, higher hurricane intensity in the Atlantic and a lower sea-ice concentration in the Arctic while a cool phase is associated to more rainfall over most of the United States, lower hurricane intensity in the Atlantic and a higher sea-ice concentration in the Arctic (Dijkstra, Raa, Schmeits, & Gerrits, 2006).

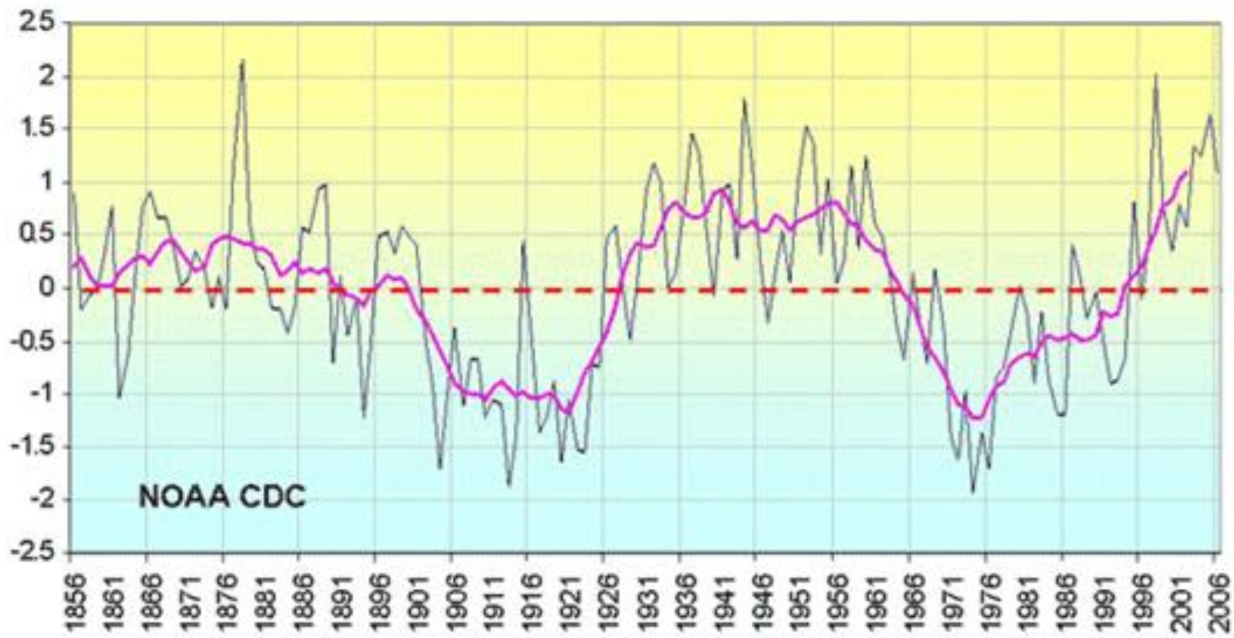


Figure 1.4: Annual Atlantic Multi-Decadal Oscillation: Mean ocean temperature anomalies in the Atlantic from 0 to 70N

Source: D'Aleo (2008) *from* National Oceanic and Atmospheric Administration's National Climatic Data Center

A strong correlation has been found between major hurricane events and the AMO. Warm AMO phases can double the amount of tropical storms that mature into severe hurricanes (National Oceanic and Atmospheric Administration, 2005a). Generally, a cool phase will lead to a less intense hurricane season (Figure 1.5). The variation in the number of tropical storms during a positive and negative AMO is due to changes in tropical vertical shear caused by variations in the atmospheric circulation in the tropics (Knight, Folland, & Scaife, 2006).

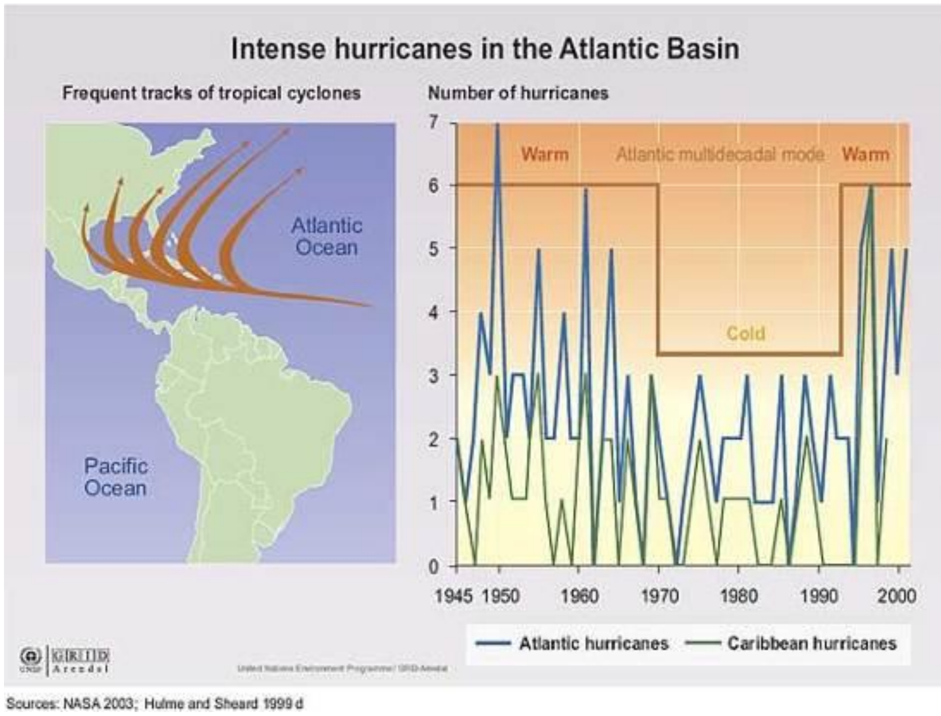


Figure 1.5: Intensity of hurricanes in the Atlantic Basin: Frequency during a cold/warm AMO phase

Source: GRID-Arendal (2005) *from* NASA (2003) and Hulme and Sheard (1999)

1.2.1.3. North Atlantic Oscillation

The North Atlantic Oscillation (NAO) is associated with a hemispheric variation of atmospheric pressure between two centres of action switching between a positive and negative phase (Visbeck, Hurrell, Polvani, & Cullen, 2001). The two centres of action (or dipoles) are located over the Arctic, near Iceland and over the subtropical Atlantic (Walter & Graf, 2004). The NAO affects climate in the Northern Hemisphere leading to comparable temperature patterns to those of the current global warming trend (Cohen & Barlow, 2005). It causes strong changes in air temperatures, precipitations, winds, storminess, ocean temperatures and circulation patterns on interannual or longer timescales (Visbeck, Hurrell, Polvani, & Cullen, 2001). It is associated with a “seesaw” pattern over the North Atlantic Ocean (Cohen & Barlow, 2005) that causes changes in the ocean’s heat content, gyre circulations, mixed layer depth, salinity, high latitude deep water formation and sea ice cover (Hurrell & Deser, 2009).

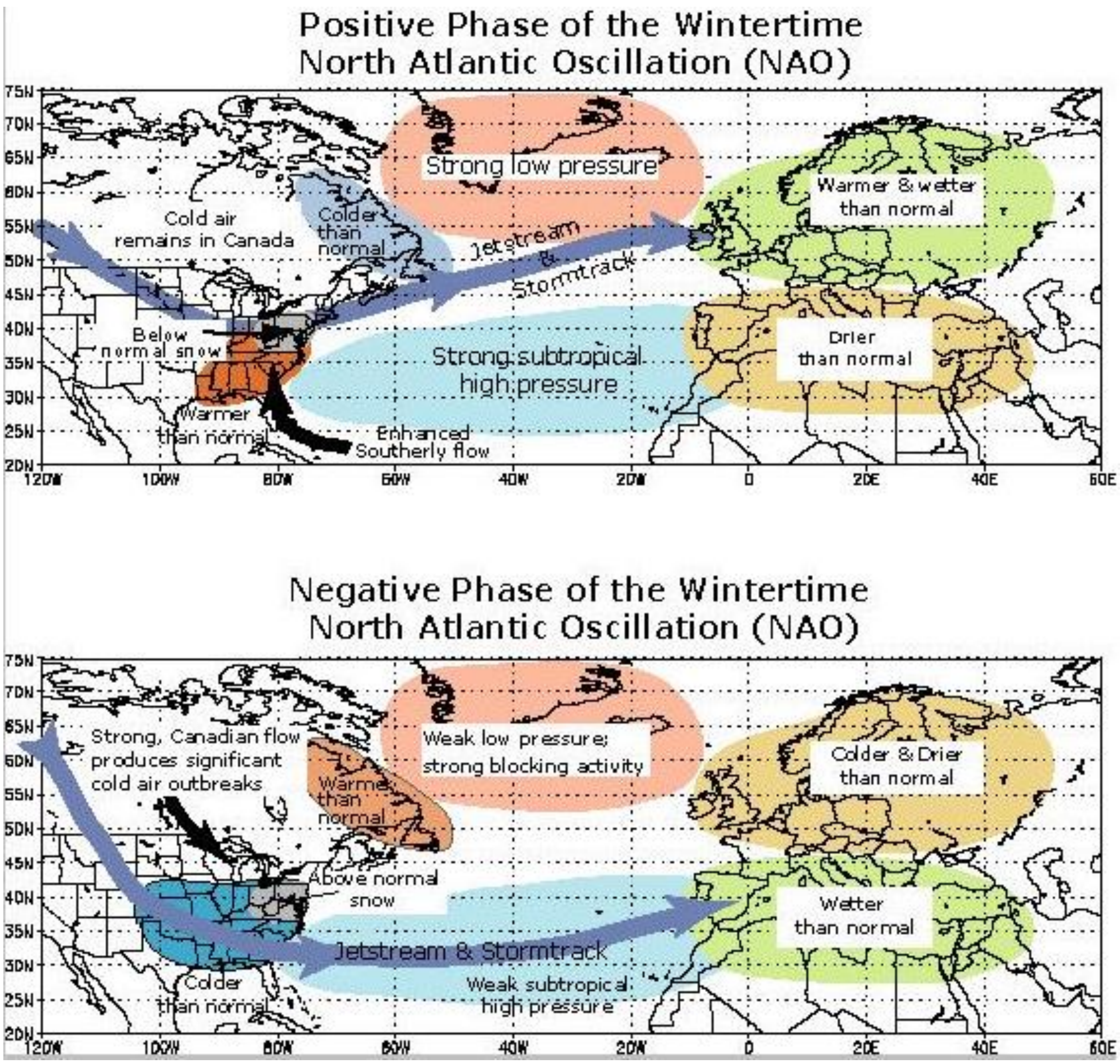


Figure 1.6: Positive and negative phases of the wintertime North Atlantic Oscillation

Source: University Corporation for Atmospheric Research (2011) *from* National Oceanic and Atmospheric Administration’s National Climatic Data Center

The NAO is characterised by two phases; a positive phase and a negative phase (Figure 1.6). A positive phase leads to stronger westerlies in the mid-latitudes caused by a high pressure anomaly across the subtropical Atlantic and a low pressure anomaly over Iceland and through the Arctic (Visbeck, Hurrell, Polvani, & Cullen, 2001). This in turn causes colder and drier conditions over the northwestern Atlantic and Mediterranean regions as well as warmer and wetter than average conditions in northern Europe, the eastern United States and regions of Scandinavia (Visbeck, Hurrell, Polvani, & Cullen, 2001). During a negative phase of the NAO, the Azores high and Iceland low are weaker. This model of atmospheric circulation leads to a reduction of meridional pressure gradient and a weakening of the westerlies in the North Atlantic and in Western Europe (Hurrell, 1995). A negative phase leads to instability in the weather leading to wetter than normal conditions in the southern region of Europe (Rodó, Baert, & Comín, 1997). It also leads to colder and dryer conditions in the northern region of Europe caused by a strong anticyclone (Pinto & Raible, 2012). This powerful anticyclone may persist for several weeks, without moving, leading to stable weather conditions in Central Europe. The SST anomalies signs during a positive phase of the NAO will reverse once the phase changes (Pinto & Raible, 2012).

A significant link exists between the NAO winter index and North America, Europe and Asia’s winter temperatures (Wettstein & Mearns, 2002). Combined with the Arctic Oscillation, the NAO has the strongest influence on the climate in the Northeastern United States and Canada (Wettstein & Mearns, 2002).

1.2.1.4. Arctic Oscillation

The Arctic Oscillation (AO), also referred to as the north annular mode (Mao, Gong, Yang, & Bao, 2011), is defined by opposing atmospheric pressure anomalies between the mid and high-latitudes (Nagato & Tanaka, 2012). It has a zonally symmetrical appearance of a “seesaw” pattern between sea level pressure and temperature with the primary centre of action over the Arctic (Thompson & Wallace, 1998). The decadal variability of the temperature anomalies associated with the AO index demonstrates a high degree of correlation with recent global warming trends (Nagato & Tanaka, 2012). It has been demonstrated that recent global warming has been most important in the Arctic and subarctic (Johannessen, et al., 2004). During the winter, the AO has the most dominant influence on wintertime surface air temperature in the Northern hemisphere (Nagato & Tanaka, 2012; Wang & Chen, 2010). It has even been proposed by some that certain extreme anomalies linked to the AO at the stratospheric level, such as intense warming, can have impacts on tropospheric weather patterns (Wang & Chen, 2010).

The AO alternates between a positive and negative phase (Figure 1.7). A positive AO index is defined as having a relatively low pressure over the polar cap and high pressure at mid-latitudes. This causes warmer temperature anomalies over Siberia and Canada, and colder temperature anomalies around Greenland (Nagato & Tanaka, 2012). During a negative AO, the spatial pattern is reversed. Generally, there is zonally symmetrical anomaly that leads to a relatively high pressure over the polar region and low pressure at the mid-latitudes (L'Heureux, Butler, Jha, Kumar, & Wang, 2012).

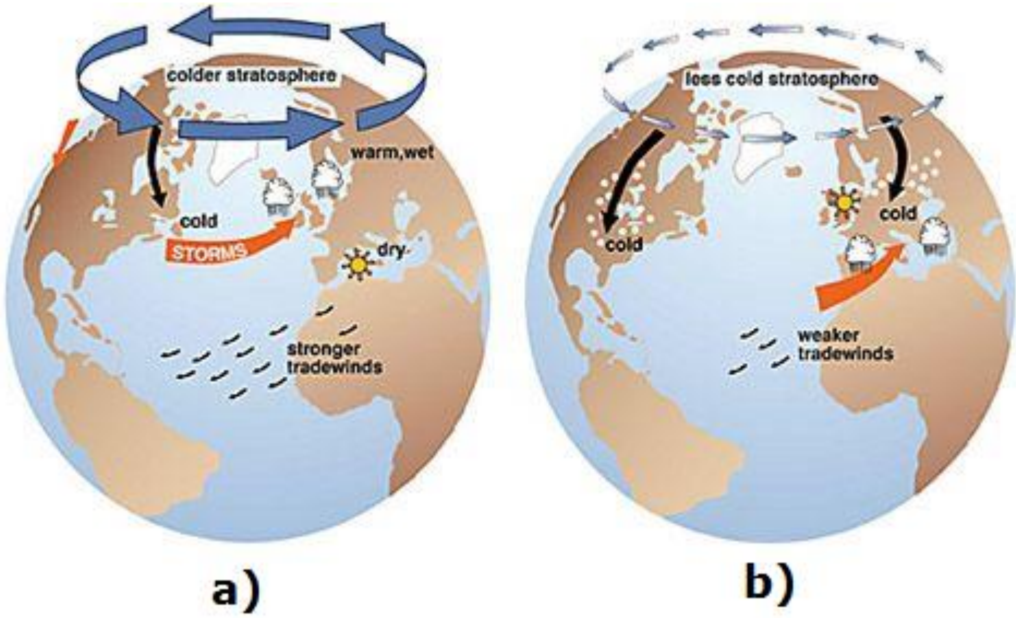


Figure 1.7: Arctic Oscillation phases; a) Positive phase; **b)** Negative phase

Source: National Snow & Ice Data Center (2012) *from* J. Wallace (University of Washington)

The AO and NAO are both highly correlated however their impacts differ spatially; the AO is a north hemispheric phenomenon while the NAO only impacts the North Atlantic region (L'Heureux, Butler, Jha, Kumar, & Wang, 2012).

1.2.1.5. Pacific Decadal Oscillation

The Pacific Decadal Oscillation (PDO) is a long lived El Niño-like event that causes climate variability during the winter time (Mantua & Hare, 2002). It is characterized as the leading empirical orthogonal function (EOF) of multi-decadal variability in sea surface temperature anomalies in the North Pacific (Schneider & Cornuelle, 2005). It shifts the atmospheric mass between the Aleutian Low and the high pressure system over western North America (Figure 1.8).

The PDO is characterised in two phases: a positive phase and a negative phase (Figure 1.9). During a positive phase, sea surface temperatures in the northeastern Pacific are generally warmer and the climatic conditions in western North America are comparable to a weaker El Niño-like event (Figure 1.10; MacDonald and Case, 2005). This encompasses a decrease in winter precipitation, snowpack and streamflow in the northwest and higher precipitation in the southwest (MacDonald & Case, 2005).

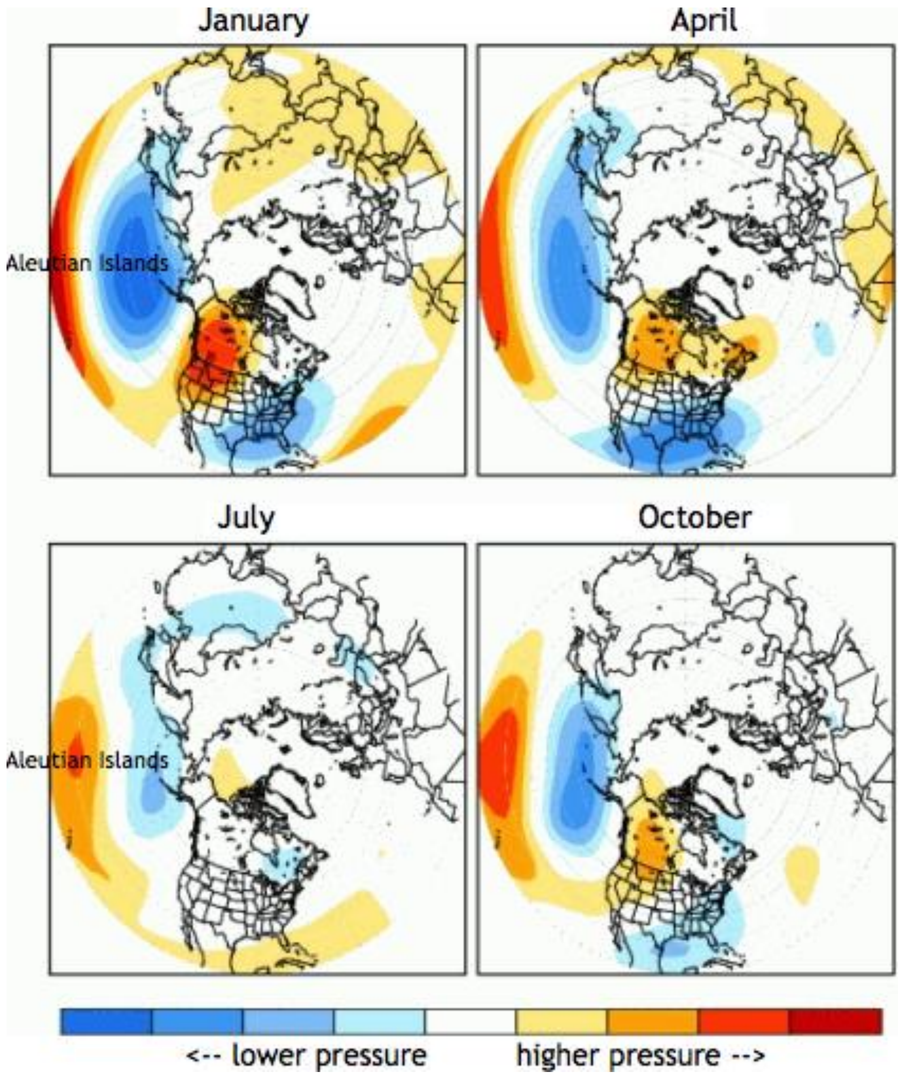


Figure 1.8: Pacific Decadal Oscillation pattern: Demonstrates a shift in atmospheric mass between the Aleutian Low and the high pressure system over western North America

Source: Center for Multiscale Modelling of Atmospheric Processes

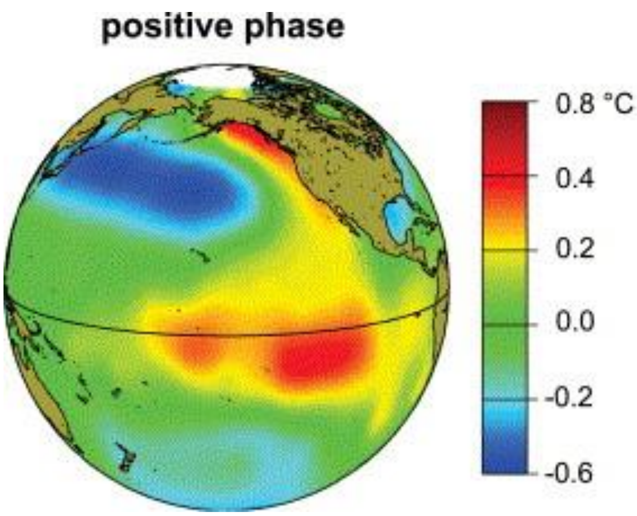


Figure 1.9: Typical sea surface temperature anomalies associated with the warm and cool phases of the Pacific Decadal Oscillation (PDO)

Source: Pavelsky & Smith (2004) *with* Mantua et al. (2007)

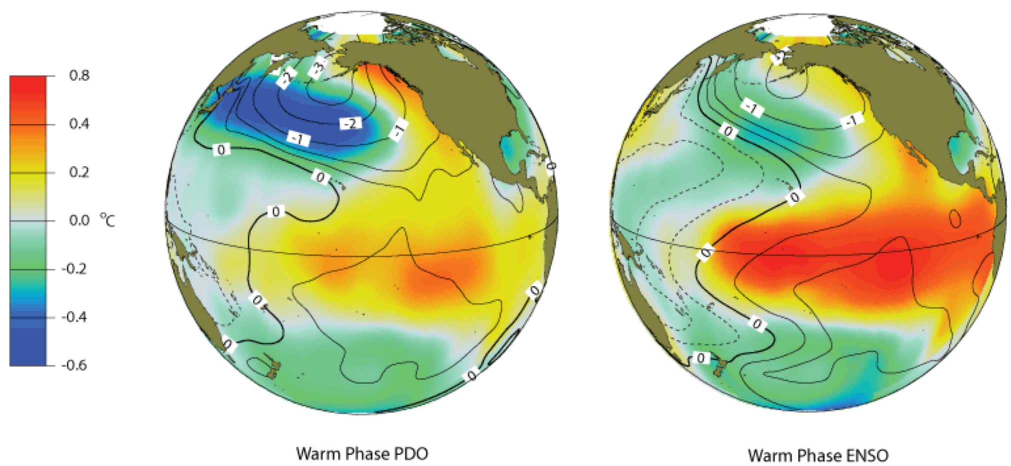


Figure 1.10: Similarities between warm phase PDO and warm phase ENSO. The spatial pattern of anomalies in sea surface temperature (shading, degrees Celsius) and sea level pressure (contours) associated with the warm phase of PDO.

Source: Okulær (2014) *from* Climate Impacts Group, University of Washington

During a negative phase, sea surface temperatures in the northeastern Pacific are generally cooler. In western North America, negative phases of the PDO are associated with an increase in winter precipitation, snowpack and streamflow in the northwest and lower precipitation in the southwest (MacDonald & Case, 2005). Many marine and terrestrial ecosystems of the North Pacific and North America have been shown to be impacted by the PDO. These climate impacts on the environment in these regions have had a major importance on the fisheries and water resources (Mantua & Hare, 2002).

1.2.2. External forcings

Similar to the ocean-atmospheric teleconnections, external forcings can also have a significant impact on large climatic patterns. The most important forcings studied in this paper are Greenhouse Gases (GHG), Total Solar Irradiance (TSI), and Volcanic Forcing (VF).

1.2.2.1. Greenhouse Gases

Greenhouse gases are required to maintain Earth's delicate climate, without them, the Earth would be a ball of ice (Hoffman & Schrag, 2000). However, a small change of the natural balance can have significant impacts on the climate. According to Crowley (2000), natural climate variability only plays a small role in the 20th century warming and the increase of anthropogenic GHG is the real culprit behind the recent global warming trend. Human influences exceed natural variability influences in regards to recent climate variation (Karl & Trenberth, 2003).

Most GHG are a result of urbanisation, land use changes and most importantly, emissions caused by energy use (Karl & Trenberth, 2003). The concentrations are far above the natural range and have continued to lead to global warming, oceanic heat absorption and sea-level rise (Frölicher & Joos, 2010). Research has shown that there has been a progressive build-up in concentration in the atmosphere most likely due to the accumulation and the long atmospheric life of these gases (decades to centuries; Karl & Trenberth, 2003). Aerosols also largely contribute to the climate by reflecting solar radiation and by changing the reflective properties of clouds and their lifetime (MacCracken, 2008).

Carbon dioxide is not the only greenhouse gas found in the atmosphere; however, it is the most prominent one. Other gases such as methane, nitrous oxide and chlorofluorocarbons aren't as prominent but have a much higher rate of absorption per molecule than carbon dioxide (Lasshof & Ahuja, 1990). From 1980 to 1990, these trace gases, which were present at 2-6 orders of magnitude less than carbon dioxide, attributed for 43% of the radiative forcing increase (Lasshof & Ahuja, 1990).

Concentrations of aerosols with reflective and non-reflective properties are also increasing. Kaufmann et al.'s (2011) research indicates that between 1998-2008 net anthropogenic forcing rose slower than in previous decades because of an increase of aerosols with cooling effects such as sulfur emissions. However, the cooling forcings from aerosols have a much less important impact on climate than the warming forcings from GHG, which has led to the use of the term 'global warming' to describe the human influence on the global climate (Karl & Trenberth, 2003).

Due to these long-lived GHG, past emissions have yet to dissipate and have instead been accumulating in the atmosphere. The atmosphere still has a warming potential that could be felt for decades to come. It will take many decades for any changes in GHG emission levels to take effect (Karl & Trenberth, 2003). The effects of anthropogenic warming on the global climate system, the duration, and the scale of these effects are still unknown (Karl & Trenberth, 2003). In the past, climate has varied naturally, but with human influence on the atmosphere's composition, its response is unknown. Continuing the emission of GHG will have significant impacts on the climate over the next thousands of years which will pose an important risk to the human society (Frölicher & Joos, 2010).

1.2.2.2. Total Solar Irradiance

The study of variations of the Total Solar Irradiance can help understand how the sun's cycle affects the Earth's climate. TSI measures the combined variation across all wavelengths of the solar irradiance (Ball, et al., 2012). With the help of satellites, monitoring the true range for a secular change in TSI could determine how the sun really impacts the Earth (Ball, et al., 2012).

Scientists have questioned whether or not these cycles affect the Earth's climate. Willson et al. (1986) argue that the most important determining factor of climate is TSI while Fröhlich and Lean (1998) suggest otherwise. No single satellite has captured a full period since TSI data observations started in 1978 therefore; the data has had to be combined into composites (Ball, et al., 2012). Presently, only 3 three full solar cycle composites are available.

The sun undergoes semi-periodical changes. There are two main observed cycles, the first and principal cycle is named the Schwabe cycle while the second is named the Hale cycle (U.S Geological Survey, 2000). The Schwabe cycle takes place over an 11 year period during which a gradual increase and rapid decrease of sunspots occur (Willson, Hudson, Frohlich, & Brusa, 1986). Each Schwabe cycle sees a reversal of the sun's magnetic field (Miyahara, Yokoyama, & Yamaguchi, 2010). After two consecutive cycles (22 year period), the magnetic poles return to the same state; this would be defined as the Hale cycle (U.S Geological Survey, 2000). Cyclical variation of TSI can be explained by the sun's magnetic fluctuations that appear as sunspots and faculae (Ball, et al., 2012; Gray, et al.'s, 2010). During periods of elevated solar activity, observations have shown that faculae and sunspots occur more frequently (Lean, Juerg, & Bradley, 1995).

Crowley (2000) indicates that about one quarter of the global warming can be attributed to the combination of solar variability and volcanism, which led to a temperature increase of 0.15°C to 0.2°C from 1905-1955. However, the cause of warming is more complex and cannot solely be attributed to those factors.

1.2.2.3. Volcanic Forcing

Volcanic eruptions have a profound impact on climate variability (Sigl, et al., 2015) on a human time scale and have lasting impacts on longer time scales (Zielinski, 2000). The eruption of multiple volcanoes in close succession can change the climate by lengthening cooler than normal temperatures over an extended period of time (Zielinski, 2000). According to Crowley (2000), the climate variability during the Little Ice Age was significantly affected by an increase in volcanism. Understanding how volcanic eruptions can impact the climate can also help in determining how radiative and dynamical processes react to natural and anthropogenic forcings (Robock, 2000).

Large volcanic eruptions with a high sulfur-production inject large quantities of dust particles and sulfur gases in the stratosphere (Pollack, et al., 1976). These gases are converted into sulfate aerosols in the stratosphere which have the potential of diminishing global or hemispheric climates by 0.2-0.3°C for multiple years following the eruption (Zielinski, 2000). The volcanic aerosols cool the Earth's surface by scattering part of the solar radiation back to space (Dickerson, et al., 1997). However, the aerosol layer also absorbs both solar and terrestrial radiation, heating up the stratosphere (Robock, 2000). The volcanic aerosols create a surface where chemical reactions, that are responsible for destroying the stratospheric ozone, occur (Robock, 2000). These reactions reduce the ozone's ability to absorb the ultraviolet and lower the radiative heating in the lower stratosphere (Robock, 2000).

The latitude of the eruption is significant in determining the maximum cooling effect the eruption will have (Pollack, et al., 1976). Equatorial eruptions will cause climate variability on a global scale whereas mid-latitude eruptions will only cause variability in its own hemisphere (Zielinski, 2000). According to Robock (2000) the heating from the absorption of radiation is more significant in tropical eruptions which can lead to the creation of a stronger polar vortex due to the large temperature differences between the poles and the equator.

The current climate mode in effect during an eruption can greatly impact the climate system's reaction to a volcanic eruption (Zielinski, 2000). A warmer climate mode can diminish the impact of an eruption while a cooler climate mode can do the opposite and enhance or lengthen the colder conditions caused by the volcanic forcing (Zielinski, 2000).

Our knowledge of the relationship of the volcanism-climate system is still lacking due to our limited information on volcanic eruptions (limited number and styles of eruptions) (Zielinski, 2000).

1.3. __Study area__

1.3.1. Environmental description

Nova Scotia lies on the Atlantic coast of Canada and is part of the Canadian Maritimes (Figure 1.11). The region is characterized by a diverse landscape resulting in dynamic climate variations.

1.3.1.1. Geographical features

The province of Nova Scotia is located within the Appalachian Mountains region where most of the land is Precambrian bedrock from the Canadian Shield (Davis & Browne, 1997a). Multiple deposits, varying in thickness and form, were left over from glaciers that abraded and plucked the bedrock during the last glaciation (Davis & Browne, 1997c).

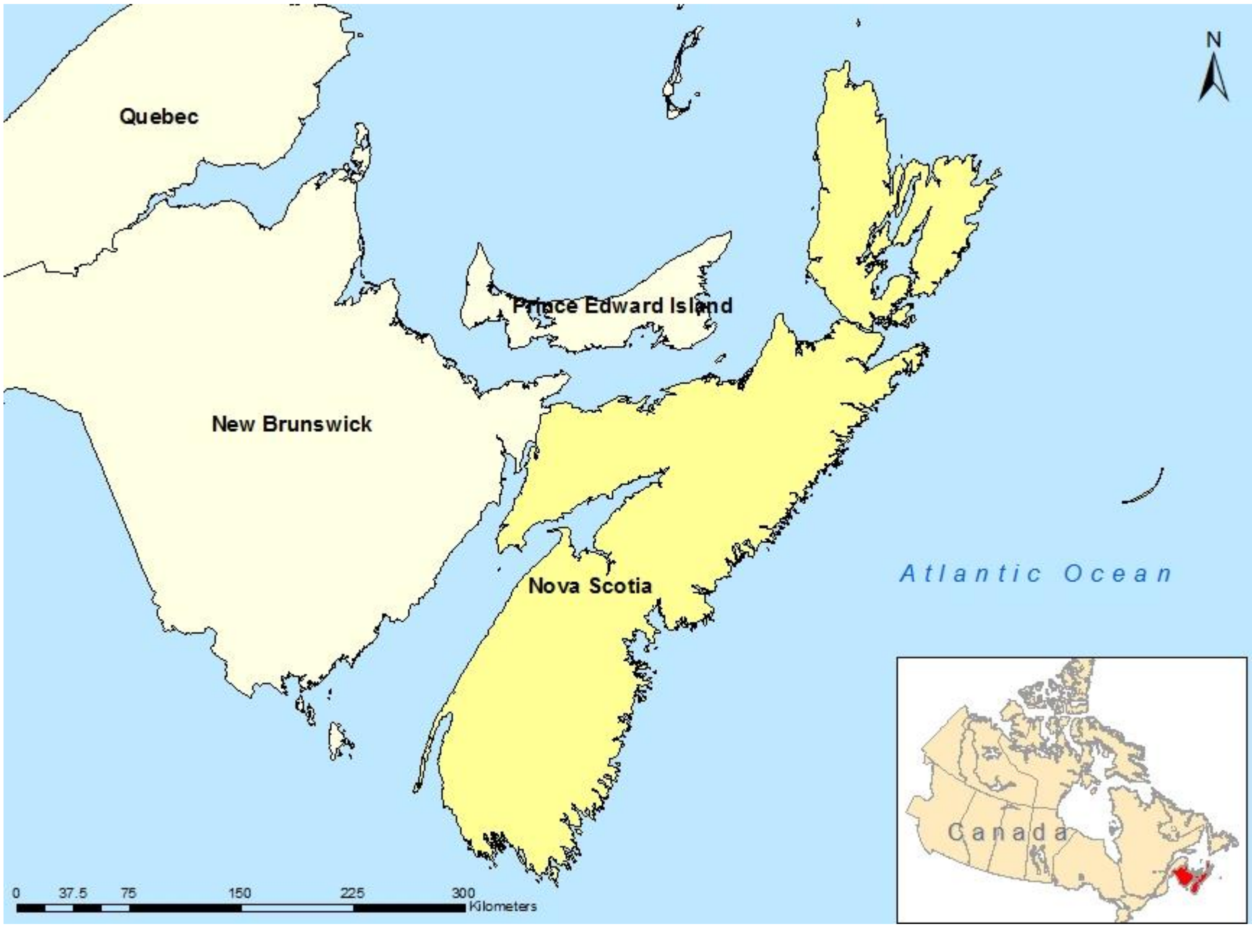


Figure 1.11: Geographical location of Nova Scotia

Nova Scotia's landscape is filled with a diverse topography from the steep terrain of the Cape Breton hills to the plains of the Annapolis Valley (Figure1.12; Vasseur and Catto, 2008). The province is surrounded by offshore islands with Cape Breton Island being the largest. The highlands of Cape Breton Island exceed 500 m in elevation above sea level (Royle, 1993). The island is composed of irregular hills and steep escarpments that are divided by streams and waterfalls (Vasseur & Catto, 2008). Mainland Nova Scotia's topography is comprised of low hills and plateaus (Jetté & Mott, 1995).

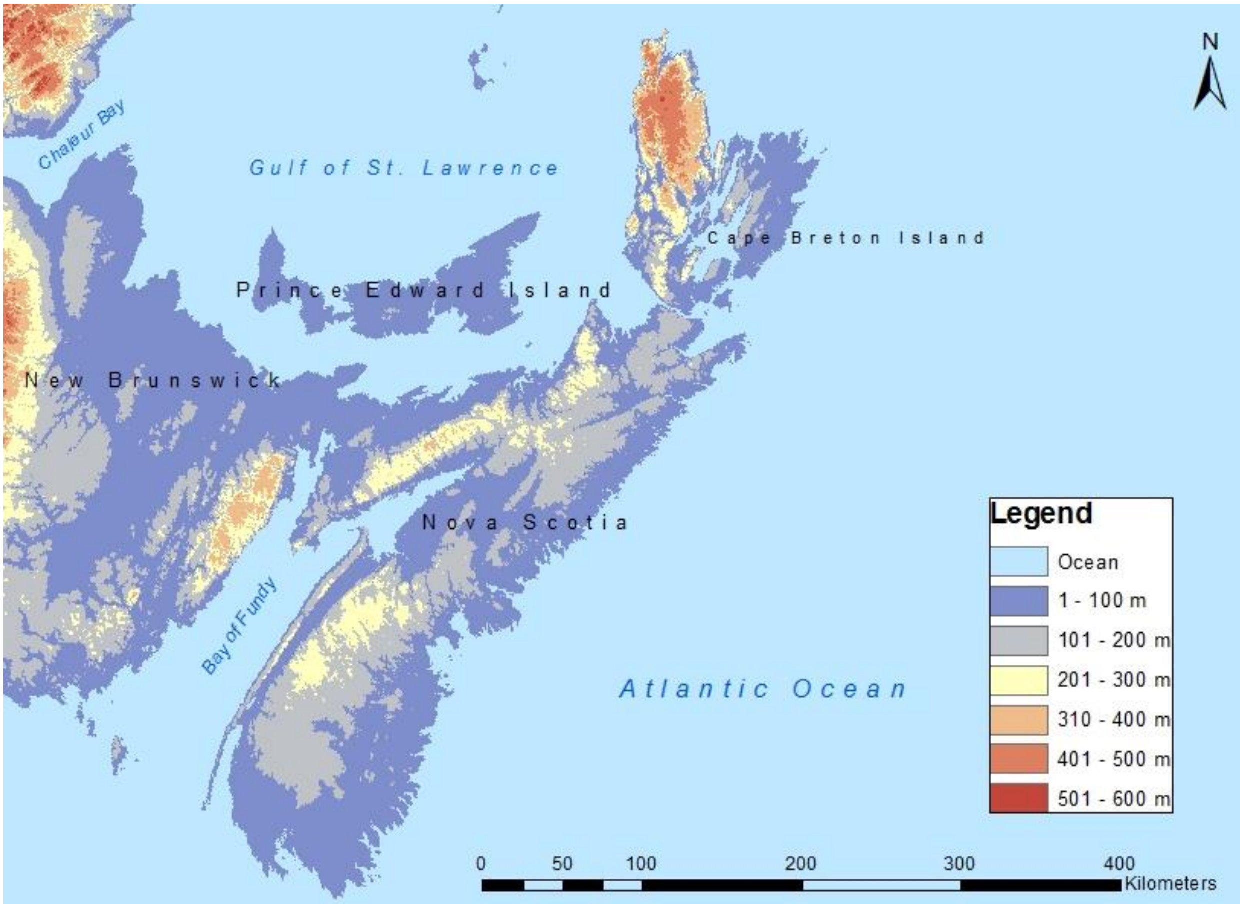


Figure 1.12: Elevation of Nova Scotia region

Nova Scotia's coast is rich in coastal landforms such as beaches and marshes due to its proximity to the Atlantic Ocean (Davis & Browne, 1997g). These forms are constantly changing by erosion or flooding, a result of sea level rise, an increase in storms, high winds, storm surges and others (Vasseur & Catto, 2008).

1.3.1.2. Climate

Nova Scotia is heavily affected by the surrounding sea as it imposes a climatic control and has a strong influence over the four seasons (Davis & Browne, 1997e). Continental air masses circulated by the westerlies cause some temperature fluctuations, bringing Nova Scotia a continental type of climate (Jetté & Mott, 1995). The interior of the province has a more continental climate whereas the climate in coastal regions is somewhat modified by the surrounding ocean (Davis & Browne, 1997e). This leads to cooler springs and summer, and milder winters in coastal regions (Vasseur & Catto, 2008). According to Environment Canada (2012a), Nova Scotia has the mildest winter in the country. Mean annual precipitation for the province of Nova Scotia is 1 314.13 mm (rain and snow) with an average of 1 081.7 mm being rain (Environment Canada, 2012a). The late summer, fall and early winter are very wet seasons as they see the highest cyclone activity (Jetté & Mott, 1995).

Fog is very common along the coasts (Davis & Browne, 1997e). According to Environment Canada (2012a), Nova Scotia is the foggiest location in Canada with an average of 81.63 days of fog per year. The coastal influence between the warm interior and the colder waters from the Labrador Current creates a strong pressure gradient that is responsible for the fog (Jetté & Mott, 1995).

1.3.1.3. Vegetation

The region of Nova Scotia falls within the Atlantic Maritime ecozone which includes many different biomes such as mixed-wood forests to boreal species forests that are a direct reflection of the region's topography and climate (Vasseur & Catto, 2008). The primary vegetation of mainland Nova Scotia and of the lowlands of Cape Breton Island is mixed-wood forests which comprise of red spruce, balsam fir, yellow birch, sugar maple, red and white pine, and eastern hemlock (Vasseur & Catto, 2008). At elevations higher than 330 m, due to the more severe climate conditions (stronger winds, colder temperatures etc.), the diversity of the vegetation diminishes and older balsam firs characterise much of the land (Davis & Browne, 1997b). On the northwestern part of the Cape Breton highlands, where the elevation is greater than 450 m, the vegetation is characterized by the Boreal-Tundra which encompasses forests of black spruce, balsam fir and feathermoss (Davis & Browne, 1997b).

The geography of the land also plays an important role in the vegetation (Davis & Browne, 1997b). Well-drained areas of the central part of Nova Scotia are primarily populated by mixed forests of red spruce, eastern white pine, red oak and red maple while poorly drained sites are populated by a mix of black spruce and balsam fir (Hadden, 1975; Jetté & Mott, 1995). Coastal regions of the mainland of Nova Scotia are populated by coniferous forests comprising of balsam fir, white and black spruce, red maple, paper birch and yellow birch (Jetté & Mott, 1995).

1.3.2. Climate history

A number of studies have attempted to contribute and understand the patterns of post-glacial vegetation history and the associated environmental changes in the region on Nova Scotia (Davis & Browne, 1997e; Hadden 1975; Jetté & Mott, 1989; Jetté & Mott, 1995; Livingstone and Estes 1967; Lowe, et al., 1994; Miller and Elias, 2000; Mott, et al., 1986; Ogden, 1987; Prentice, et al., 1991; Stea & Mott 1998; Terasmae 1973; Terasmae, 1974). Outlining a vegetation history timeline from the late-glacial to the present for the region helps in the reconstruction of past climate history (Stea & Mott, 1998). Over the last 12 000 years BP, Nova Scotia's climate and vegetation have evolved quite significantly (Figure 1.13).

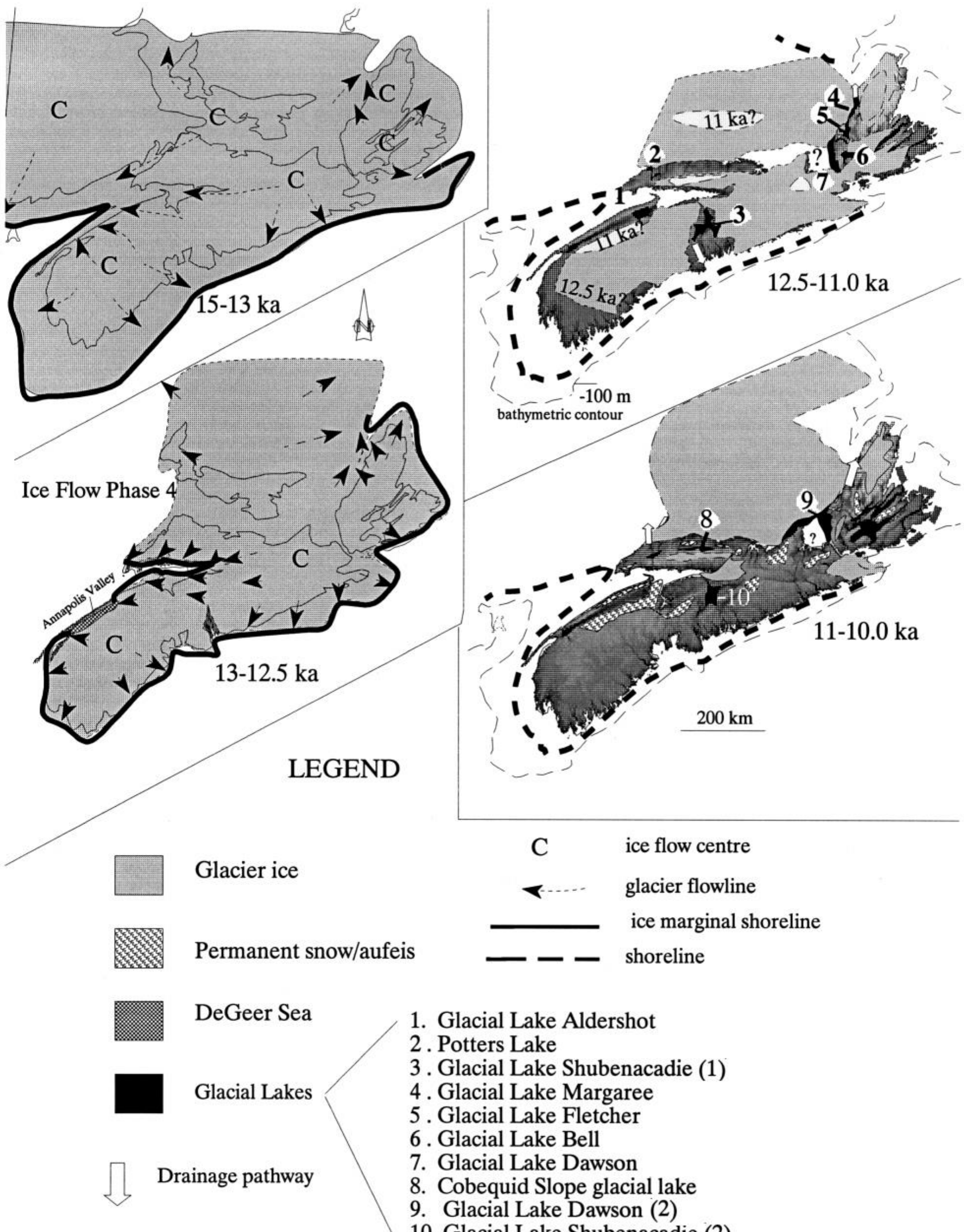


Figure 1.13: Paleogeographic reconstructions of the late-glacial period in Nova Scotia (14 000 – 10 000 years BP)

Source: Stea & Mott (1998)

1.3.2.1. 15 000 – 13 000 yr BP

During the Late Wisconsinan, around 14 000 to 13 000 years BP, an abrupt climate warming in the North Atlantic was the first sign of the end of the Wisconsinan (Lowe, et al., 1994). The warming trend helped control the rate of the large scale deglaciation in Nova Scotia (Terasmae, 1974). During that period, the Bay of Fundy was one of the first regions to become ice-free and the clearing of adjacent location followed as time progressed and climate warmed (Stea & Mott, 1998). Towards 13 000 years BP, much of the ice in the region of Nova Scotia had melted following the abrupt climate change (Jetté & Mott, 1989).

1.3.2.2. 13 000 – 12 500 yr BP

During the period of 13 000 to 12 500 years BP, a sudden shift back to glacial temperatures occurred (National Oceanic and Atmospheric Administration, 1999a) which caused a readvance of glaciers all across Nova Scotia (Stea & Mott, 1998). Evidence of this late glacial readvance was recorded by striae, eskers and drumlins detailing the movement of the glaciers from the adjacent lowlands into the Bay of Fundy (Stea & Mott, 1998). A number of other indices that outline the movements of the ice sheet (such as the formation of end moraine systems) could be observed (Terasmae, 1973). Jetté & Mott (1989) identify this period as the start of the Younger Dryas.

1.3.2.3. 12 500 – 11 000 yr BP

By 12 500 years BP, Nova Scotia was covered in ice (Stea & Mott, 1998). However, the abrupt temperature rise towards 11 500 years BP, the end of the Younger Dryas (National Oceanic and Atmospheric Administration, 1999a), caused most regions to be practically ice free after 11 000 BP with some southern regions becoming ice free slightly earlier (Stea & Mott, 1998). Cabequid and Cape Breton were the only regions where residual ice masses could be found (Mayle & Cwynar, 1995).

During this period of warming, the climate threshold for vegetation had been reached and recolonization by primary succession had started (Mott, Grant, Stea & Occhietti, 1986; Terasmae, 1973). Between 11 900 and 11 000 years BP, the rapid warming trend contributed to the initial stage of the colonization of shrub tundra to the establishment of an open spruce forest (Jetté & Mott, 1989). The tree line was located in the northern mainland of Nova Scotia and did not reach Cape Breton Island (Stea & Mott, 1998).

1.3.2.4. 11 000 – 10 000 yr BP

At 10 800 years BP, the landscape and its vegetation were greatly impacted by a sudden and intense climatic cooling lasting several hundred years (Stea & Mott, 1998). The variation in climate reversed the vegetation succession from woodland forests to shrub tundra (Mayle & Cwynar, 1995). Small glaciers started to form and produced ice dams which caused flooding in some regions (Stea & Mott, 1998).

1.3.2.5. 10 000 – 8 000 yr BP

A gradual climate warning towards 10 000 years BP led to the start of a rapid deglaciation and recolonization of vegetation in Nova Scotia (Mott, Grant, Stea, & Occhietti, 1986). White pine, fir and spruce oak started to populate the landscape while spruce started to decline due the warm summer temperatures in Nova Scotia (Hadden, 1975). The establishment and northern migration of oak and other hardwood species was also a result of warmer and dryer land conditions (Hadden, 1975). By 8 000 years BP, the vegetation in the mainland consisted primarily of pine with an increasing amount of hemlock and maple trees (Ogden, 1987).

1.3.2.6. 8 000 – 4 000 yr BP

By 6 000 years BP, mean July temperatures were 1 to 2 degrees warmer in Nova Scotia than present (Jetté & Mott, 1995). Ogden (1987) also suggests that by that time, sea levels had risen by approximately 20 meters. This continuation in climate warming increased evaporation and led to an even more pronounced decline in spruce and an increase in hardwoods (Hadden, 1975).

1.3.2.7. 4 000 – 2 000 yr BP

The late Holocene is characterized by a gradual cooling and a return to cooler and moister conditions (Jetté & Mott, 1989). This climate shift led to the return of spruce and fir in the landscape shortly after 2 920 years BP (Jetté & Mott, 1989). The cooler summer temperatures also caused the northern tree line boundary to migrate south (Prentice, Bartlein, & Webb III, 1991).

1.3.2.8. 2 000 yr BP – Present

The cooling trend was maintained thereafter (Jetté & Mott, 1989). Tree pollen from this time period showed a sharp decrease in most pollen type, corresponding with the arrival of European colonists (Ogden, 1987). Green (1987) indicated that this was due to the deforestation and colonization of settlers in the region of Nova Scotia.

1.4. <u>Methods</u>

In order to evaluate which internal variability and/or external forcings dominate Nova Scotia's present-day climate, the following methodological approach was used.

1.4.1. Data acquisition

1.4.1.1. Meteorological data

Meteorological station data was acquired for the province of Nova Scotia. Monthly, seasonal, and annual homogenized station data from Environment Canada as well as monthly, seasonal, and annual station data from Environment Canada's Historical Climate website was used. Homogenized data was used in order to correct the discrepancies in the original temperature data resulting from changes in instruments and observing procedures (Vincent, et al., 2012). Environment Canada's Historical Climate station data, hereon by referred to as non-homogenized Environment Canada station data, was supplemented to account for the lack of stations in the northeastern part of the province (Cape Breton). In total, data from 12 homogenized stations and 15 non-homogenized Environment Canada stations were acquired (Table 2.1).

The average length of the station temperature records is approximately 92 years. The longest length of temperature record is from the Sydney station which covers 142 years. Six stations have a length of more than 100 years, 11 stations from 40 to 100 years and one station with fewer than 40 years (Northeast Margaree). Station elevation ranges from 8 to 145 m asl.

1.4.1.2. Ocean-atmospheric teleconnections and external forcing datasets

Ocean-atmospheric teleconnections (AMO, AO, NAO, El Niño and PDO) datasets were acquired from the KNMI Climate Explorer website (https://climexp.knmi.nl/) from a series of different sources. Monthly data for the Atlantic Multidecadal Oscillation dating from 1880 to present was extracted from Van Oldenborgh, te Raa, Dijkstra, & Philip (2009). Part of the monthly Atlantic Oscillation data was collected using data described by Trenberth and Paolino (1980) and collated together with data from the National Oceanic and Atmospheric Administration's Climate Prediction Center using Way and Viau's (2015) linear regression method on the overlapping period (R^2= 0.97). Monthly data for the North Atlantic Oscillation dating from 1821 to present was extracted from the Climate Research Unit with updates from Osborn and Jones. Monthly El Niño Southern Oscillation (ENSO 3.4) data dating from 1856 to present was extracted from Kaplan et al. (1998) and Reynolds et al. (2002). Monthly Pacific Decadal Oscillation data dating from 1880 to present was extracted from the National Oceanic and Atmospheric Administration's National Centers for Environmental Information in collaboration with Mantua & Hare (2002). Monthly forcing data for Volcanic Eruptions was collected from the National Aeronautics and Space Administration's Goddard Institute for Space Studies in collaboration with Sato et al. (1993). Monthly sun spot data was extracted from the Solar Influences Data Analysis Center, the world's data center for the sunspot index from Clette et al. (2007) and Clette et al.'s (2014) research. Finally, annual forcing data from greenhouse gases was collected from Hansen & Sato (2004) as well as from the National Oceanic and Atmospheric Administration's Annual Greenhouse gas Index from Butler et al.'s (2005) research.

1.4.2. Regional temperature composite

A temperature anomaly calculation is required to compute accurate trends when data starts and stops at different points in a seasonal cycle and when data is missing. In this study, the climate anomaly method (CAM) was used to analyze the temperature data (Jones, et al., 2012). The temperature composite enabled us to split the data into two parts: the data with the expected behavior and the anomalies that differ from the expected data (Kawale, Steinbach, & Kumar, 2011).

Mean annual air temperature composites were calculated using 12 months of air temperatures while mean seasonal air temperature composites were calculated using three months of air temperature: Spring (MAM), Summer (JJA), Fall (SON) and Winter (DJF). Annual and seasonal composites were calculated for the entire region of Nova Scotia as well as for the four sub-regions of the province. The province was divided into four sub-regions: North, South, West and East, to determine if different parts of the province react differently to ocean-atmospheric teleconnections and external forcings (Figure 2.1).

To calculate the regional temperature composites, a 30 year base-period was chosen since most climate studies use 30 years for their base-period to construct anomalies (Mearns, et al., 2001). The 1961 to 1990 baseline was chosen to calculate the monthly mean values. Even though earlier baseline are sometimes favoured due to their lack of anthropogenic trends in the data, this specific base period was selected because of its high data availability compared to earlier baseline periods (Mearns, et al., 2001). It was determined that stations within the base period with less than 70% of data records present would not be retained for the composite. A total of 12 homogenized and 6 non-homogenized stations were retained for the composite. The mean for each month within the base-period was calculated for every retained station. The monthly means for these stations were then removed from the raw data which removed the seasonality from the raw data (Kawale, Steinbach, & Kumar, 2011). Finally, the regional temperature composite was obtained by calculating the mean of the anomalies resulting from the removal of the monthly mean from the raw data for each retained station for the entire time series. Even though a large part of the data obtained had been homogenized, the possibility of outliers still existed (Jones, et al., 2012). To evaluate the presence of the outliers, testing using the z-score was done. Any values found to be above or below the standard deviation threshold of 2 or -2 were evaluated using literature to examine the validity of the outlier (Ghasemi & Zahediasl, 2012).

1.4.3. Verification of composite

A verification of the regional temperature composite with the Berkeley Earth Surface Temperature (BEST) composite for the region of Nova Scotia was done to ensure its validity. The BEST dataset has been quality controlled and homogenized to remove any erroneous or missing values (Rhode, et al., 2013). The monthly temperature composite for the region of Nova Scotia was recalculated using a different base period of 1950-1980 to match that of BEST. Both temperature composites were evaluated to determine if any large discrepancies existed between the two sets of data.

1.4.4. Lag correlation

The lag correlation shifts two time series in time and examines to which extent they are correlated with one another (Farnum & Stanton, 1989; Lecca & Re, 2015) Cross-correlation functions (CCF) were computed between the different regional and sub-regional temperature composites and the ocean-atmospheric teleconnections, and external forcings on multiple timescales to identify the dominant modes of natural variability across the study area. These comparisons were evaluated over the verification period of 1900 to 1979 (i.e. no trend in the temperature composites) using multiple time lags ranging from 0 to 100 months or years (depending on the timescale that was being evaluated). Only positive lags were examined to determine how the indices and external forcings impacted the temperature variability (Farnum & Stanton, 1989). Only the highest correlation values for each temperature composite and ocean-atmospheric teleconnections and external forcings time series were retained for further analysis (de Viron, Dickey, & Ghil, 2013).

1.4.5. Multiple regression

A multiple regression modelling approach was used to test whether the ocean-atmospheric teleconnections and external forcings could explain part of the variability in the Nova Scotia temperature composite and sub-regional composites during the verification period

(1900-1979). Combinations of selected indices were computed to examine their correlation with temperature anomalies on an annual and seasonal time scale for Nova Scotia and its four sub-regions. Residual plots were explored to see if the data was symmetrically distributed in a cluster (no outliers) towards the middle of the plot with no clear pattern (Belloto & Sokoloski, 1985; Zurr, Ieno, Walker, Saveliev, & Smith, 2009). The collinearity between each variable within the potential models was examined using the Variance Inflation Factor (VIF) to determine if highly correlated variables could pose a problem (Dormann, et al., 2013). Low VIF values (1) indicate low or no collinearity while higher values (>5 to 10) indicate a high degree of multicollinearity between variables (O'brien, 2007). Model selection was based on the Occam's parsimony principle which states that the most desired model is the one with the least amount of complexity (Bozdogan, 1987; Posada & Buckley, 2004). In order to determine which model had the best predictive accuracy, the Akaike Information Criterion (AIC), adjusted R^2, standard errors (SE) and degrees of collinearity were evaluated. The model with the combination of the lowest AIC, the highest R^2, the lowest SE and low collinearity determined which one had the lowest level of complexity for the highest information gain (Bozdogan, 1987). Once the optimal natural-only model was chosen, the GHG forcing was added to the model (natural-plus model) to see how the greenhouse gas index influenced the natural-only model. This enabled an evaluation to determine if the greenhouse gas forcing improved the fit of the model to the observations during the calibration period. The best fitting natural-only models were then run over the full period (1900-2015) to test their accuracy (Kohavi, 1995). The GHG index was later added to the models (natural-plus models), over the full time period, to evaluate its effect on the full period.

Chapter 2 – Multi-scale climate variability in Nova Scotia during the past century

2.1. Introduction

The recent global warming trend continues unabated (IPCC, 2013). Regional-scale climate change appears ongoing with impacts ranging from increases in extreme weather events, coastal erosion, and ecosystem degradation (Vasseur & Catto, 2008). The twentieth century has been significantly impacted by large regional climate variations (Knight, Folland, & Scaife, 2006). These abrupt climate change processes act on many time scales, from seasonal to multidecadal (Schwing, Murphree, & Green, 2002). Large-scale anomalies that impact the variability of the atmospheric circulation on a temporal and spatial level are referred to as ocean-atmospheric teleconnections (National Oceanic and Atmospheric Administration, 2013). They can have impacts on regional to global scales, for example, the El Niño Southern Oscillation (ENSO) warms or cools the equatorial Pacific but also impacts other regions around the globe (Park, Deng, & Cai, 2012).

In this study, we look at the impacts of ocean-atmospheric teleconnections and external forcings on surface temperature patterns in Nova Scotia, Canada. Impacts from ocean-atmosphere teleconnections have been understudied in this region compared to other regions of Canada (Drinkwater et al., 2003; Hurrel, 1995; Hurrel & Deser, 2009; Knight, Folland, & Scaife., 2006; Mehta et al., 2000; Pinto & Raible, 2012; Shabbar, 2006; and Wettstein & Mearns, 2002).

It is projected that Nova Scotia will experience an increase in both mean annual and seasonal air temperatures between now and 2050 (Vasseur & Catto, 2008). The region's sensitivity to climate variability can be greatly impacted by major ocean-atmospheric circulation modes. By investigating Nova Scotia air temperatures (NSAT) from local meteorological stations, we present our evaluation of the impacts of large-scale oceanic-atmosphere teleconnections and external/anthropogenic climate forcings on various time scales (e.g. monthly to annual). This type of analysis should reveal which natural and external/anthropogenic processes dominate surface air temperature variability in Nova Scotia. A better understanding of the underlying dominant natural and external/anthropogenic large-scale processes contributing to climate variability in Nova Scotia can help predict future climate change for this region.

2.2. Study area

2.2.1. Geographical features

Nova Scotia (43-47 °N, 59-66 °W) is located on the Eastern Canadian Seaboard within the Appalachian Mountains. The region is bounded to the north by the Gulf of St. Lawrence, to the east and south by the North Atlantic Ocean and to the southwest by the Bay of Fundy. The province is surrounded by multiple offshore islands with Cape Breton Island being the largest. The region's topography is characterized by low hills and plateaus on the mainland and elevations upwards of 500 m asl on the highlands of Cape Breton Island (Jetté & Mott, 1995). Off the coast of Nova Scotia, a large submerged section of the continental shelf, named the Scotian Shelf, extends 700 kilometres long and 125-230 kilometers wide (MacLean, Breeze, Walmsley, & Corkum, 2011).

2.2.2. Oceanographic features

In the waters surrounding Nova Scotia, different ocean currents interact with one another and are directly or indirectly responsible for some of Nova Scotia's characteristics (Appendix 1). The Labrador Current is a cold current formed by the meeting of the West Greenland Current and the Baffin Island Current that flows along the coast of Newfoundland and Labrador where it branches off into two streams (Davis & Browne, 1997f; Lazier & Wright, 1993). The main stream flows around the slope of the continental shelf to the Grand Banks and continues to flow along the slope of the Scotian Shelf while the smaller stream flows on the continental shelf and through the Cabot Strait to join the Gulf of St. Lawrence circulation (Davis & Browne, 1997f). The Gulf of St. Lawrence circulation, a highly stratified water flow, is driven mainly by fresh water runoff, winds, tides and changes in water temperatures and salinity at the edge of continental shelf (Davis & Browne, 1997f). The outward flow of the St. Lawrence circulation, also referred to as the Cape Breton Current, moves southeastwards through the Cabot Strait (Sutcliffe, Loucks, & Drinkwater, 1976). This current flows along the coast of Cape Breton onto the Scotian Shelf where it flows parallel to the coast of Nova Scotia and becomes the Nova Scotia Current (Davis & Browne, 1997f). The Nova Scotia Current flow continues down to round the tip of Nova Scotia into the Gulf of Maine and subsequently into the Bay of Fundy (Sutcliffe, Loucks, & Drinkwater, 1976). The Gulf Stream Current, a warm tropical current originating from the Gulf of Mexico, flows along the eastern Atlantic coastline all the way up to the coast of Newfoundland before it diverts eastwards towards Europe. It has effects on the Scotian Shelf and Gulf of Maine waters which are felt through its effects on the slope water (McLellan, 1954; Davis & Browne, 1997f).

2.2.3. Vegetation

Nova Scotia's vegetation varies from mixed-wood forests to boreal species forests (Vasseur & Catto, 2008). The primary vegetation in mainland Nova Scotia and the lowlands of Cape Breton Island is dominated by red spruce, balsam fir, yellow birch, sugar maple, red and white pine, and eastern hemlock (Vasseur & Catto, 2008). In the Cape Breton highlands, the diversity of the vegetation is diminished due to the severe climate conditions (stronger winds, colder temperatures etc.) and is mainly comprised of forests of black spruce, balsam fir and feathermoss (Davis & Browne, 1997b).

2.2.4. Climate

Nova Scotia is characterized by a moderate climate. On average, winters are milder (average temperatures of 0.08°C) and summers are cooler (average temperatures 22.4°C) than those in the centre of the country (Environment Canada, 2012a). Spring and fall are also relatively moderate seasons as compared to the rest of the country with mean fall temperatures of 8.5°C and mean spring temperatures of 4.2°C (Environment Canada, 2012a). The Atlantic Ocean imposes a significant impact over the climate of Nova Scotia's four seasons (Beck, 2009). Spring arrives a bit later due to the cold water from the ice covered Gulf and ice brought down by the Labrador Current (Beck, 2009; Environment Canada, 1990). Fog is very common along the coast during the late spring/early summer, due to the strong pressure gradient between the warm interior and the colder waters from the Labrador Current (Jetté & Mott, 1995). Summer is short and cool as coastal waters influence the hot and humid weather migrating from Ontario and Quebec (Environment Canada, 1990). However, the onshore breeze caused by the temperature difference between the northern section of Nova Scotia and the Gulf of St. Lawrence help delay the onset of fall by a few weeks in the region (Environment Canada, 1990). The fall season is prolonged by the warm offshore Gulf Stream waters (Jetté & Mott, 1995). The winter season is the stormiest due to a combination of cold continental arctic air and moist maritime polar air (Davis & Browne, 1997e). The surrounding waters have a moderating impact that leads to milder winters, however, the frozen and ice covered Gulf of St. Lawrence and Northumberland Strait waters disrupt the coastal influence the water has on the land in those regions (Environment Canada, 1990).

Nova Scotia's climate is impacted by four main factors: the dominant westerly winds, the interactions between the different air masses, the interactions between eastward moving storms, and the modifying effect of sea (Davis & Browne, 1997e). These different factors lead to a generous amount of precipitation across the province, a high level of variation in day to day weather as well as the highest number of storms in Canada (Davis & Browne, 1997e). These factors also lead to a wide temperature range and delayed/shorter seasons (Environment Canada, 1990). Continental air masses circulated by the westerlies cause some temperature fluctuations, bringing Nova Scotia a continental type of climate (Jetté & Mott, 1995). The interior of the province has a more continental climate whereas the climate in coastal regions is somewhat modified by the surrounding ocean (Davis & Browne, 1997e). Three main air-masses control the maritime region's climate: very dry and cold continental arctic air from the northwest, cool and moist maritime polar air from the north or northeast and warm and moist maritime tropical air from the south or southwest, which all lead to wide fluctuations of temperature (Davis & Browne, 1997e; Jetté & Mott, 1995). This pattern of air circulation is mainly impacted by two semi-permanent pressure systems: the Bermuda and Azores high that brings hot and humid air to the maritime region by way of the westerlies via the United States during the summer and the Icelandic low that weakens low pressure systems in its area (Davis & Browne, 1997e).

2.3. Methods

2.3.1. Data

2.3.1.1. Meteorological station data

A total of 310 meteorological station data are available for the province of Nova Scotia through Environment Canada's Historical Climate Data (Environment Canada, 2016). Homogenized monthly, seasonal and annual data from 12 stations were retained for further analysis based on their proportion of coverage (> 70%) during the base period (1961-1990). Homogenized data were used in order to correct the discrepancies in the original temperature data resulting from changes in instruments and observing procedures (Vincent, et al., 2012). Non-homogenized monthly data from 6 stations were also used to supplement the lack of data, specifically in the Cape Breton area (Table 2.1).

2.3.1.2. Temperature composites

The 18 station dataset (composed of data from 12 homogenized stations and 6 non-homogenized stations) was used to compute regional temperature composites for the region of Nova Scotia and for its four sub-regions: Nova Scotia North, Nova Scotia South, Nova Scotia West and Nova Scotia East (Figure 2.1). The average length of the station temperature records is approximately 92 years. The longest length of temperature records is from the Sydney station that covers 142 years. Six stations have a length of more than 100 years, 11 stations from 40 to 100 years and one station with fewer than 40 years (Northeast Margaree). Station elevation ranges from 8 to 145 m asl. Mean annual air temperature (MAAT) composites were calculated using 12 months of mean air temperatures while mean seasonal air temperature (MSAT) composites were calculated using three months of mean air temperatures: Spring (MAM), Summer (JJA), Fall (SON) and Winter (DJF).

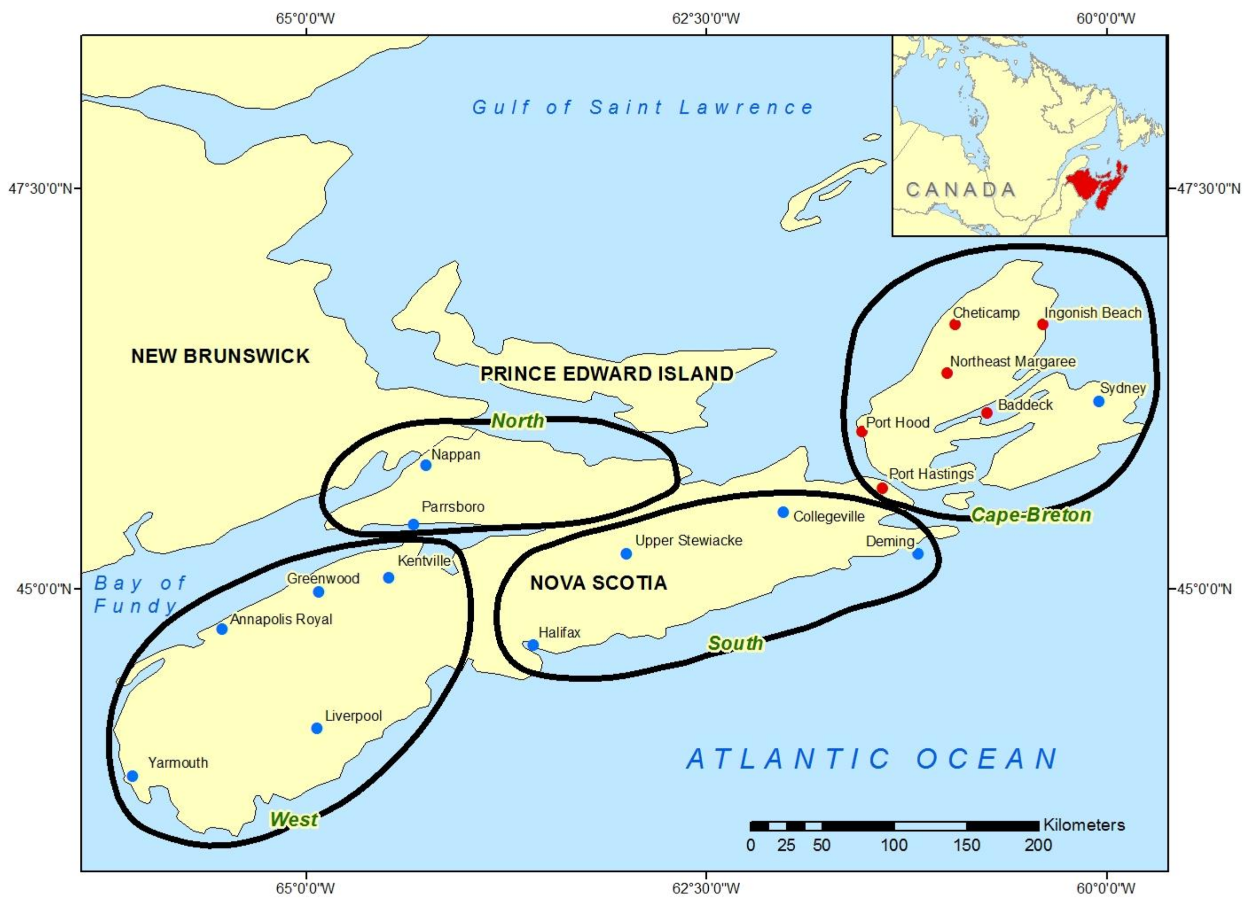


Figure 2.1: Location of meteorological stations in Nova Scotia

All homogenized stations are indicated with a blue dot. All non-homogenized stations are indicated with a red dot.

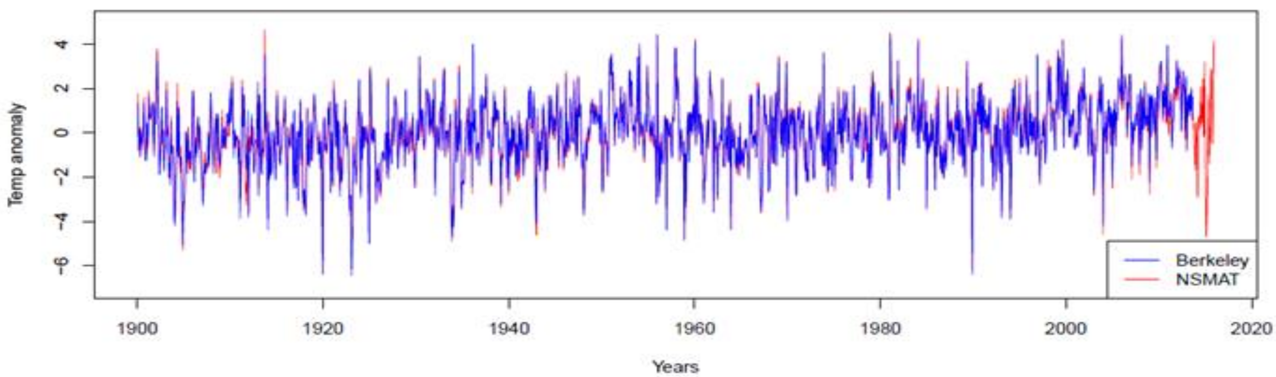
Table 2.1: Nova Scotia meteorological station data

Province	Station Name	Station ID	Start Year	End Year	Lat (deg)	Long (deg)	Elev (m)	Homogenized	Location
NS	ANNAPOLIS ROYAL	8200100	1914	2006	44.75	-65.52	8	Y	West
NS	BADDECK	8200300	1875	2000	46.1	-60.75	7.6	N	South
NS	CHETICAMP	8200825	1956	1998	46.65	-60.95	11	N	South
NS	COLLEGEVILLE	8201000	1916	2013	45.48	-62.02	76	Y	West
NS	DEMING	8201410	1913	2011	45.22	-61.18	16	Y	South
NS	GREENWOOD	8202000	1942	2015	44.98	-64.92	28	Y	West
NS	HALIFAX	8202250	1871	2015	44.65	-63.58	145	Y	West
NS	INGONISH BEACH	8202500	1950	2000	46.65	-60.4	7.9	N	North
NS	KENTVILLE	8202810	1913	2015	45.07	-64.48	49	Y	North
NS	LIVERPOOL	8203100	1940	2012	44.13	-64.93	50	Y	East
NS	NAPPAN	8203702	1913	2015	45.77	-64.25	20	Y	South
NS	NORTHEAST MARGAREE	8204151	1955	1987	46.35	-61	31.1	N	West
NS	UPPER STEWIACKE	8204193	1915	2015	45.22	-63.00	24	Y	East
NS	PARRSBORO	8204402	1897	2015	45.40	-64.33	24	Y	East
NS	PORT HASTINGS	8204480	1874	1989	45.63	-61.4	23.1	N	East
NS	PORT HOOD	8204500	1950	1993	45.98	-61.53	27.4	N	East
NS	SYDNEY	8205700	1870	2015	46.17	-60.05	62	Y	East
NS	YARMOUTH	8206500	1879	2015	43.83	-66.08	43	Y	East

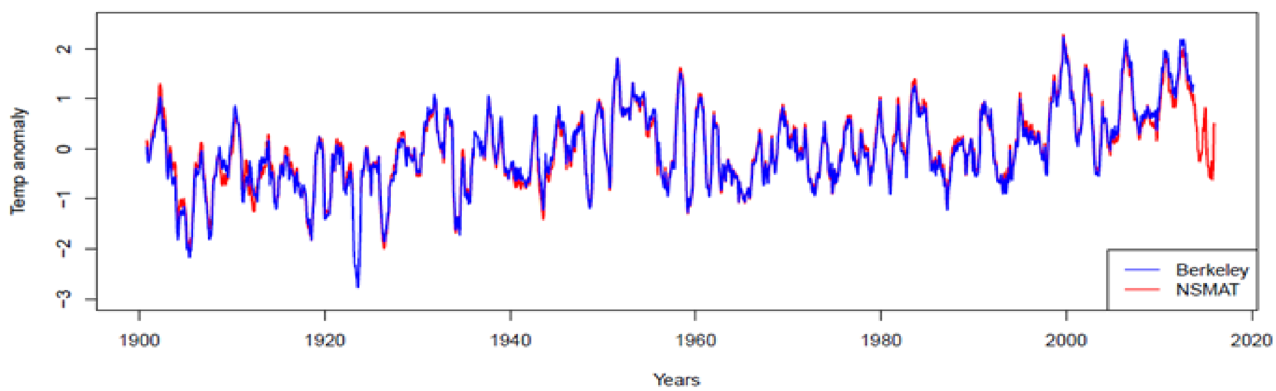
Source for homogenized Environment Canada data: Vincent, L. A., X. L. Wang, E. J. Milewska, H. Wan, F. Yang, and V. Swail, 2012. A second generation of homogenized Canadian monthly surface air temperature for climate trend analysis, J. Geophys. Res., 117, D18110, doi:10.1029/2012JD017859

Source for non-homogenized Environment Canada data: Environment Canada., 2016. *Historical Data*. Retrieved from Historical Climate Data: http://climate.weather.gc.ca/historical_data/search_historic_data_e.html

The regional temperature composites were obtained by calculating the mean of the anomalies resulting from the removal of the monthly mean from the raw data for each retained station for the entire time series. To verify the presence of outliers in the composites, testing using the z-score was done. Any values found to be above or below the standard deviation threshold of 2 or -2 were evaluated using the literature to examine the validity of the outlier (Ghasemi & Zahediasl, 2012).



a) *Monthly temperature composites: Berkley's composite (blue), Nova Scotia mean air temperature composite (Red). Both composites used the baseline of 1951-1980.*



b) *12 month rolling average applied to the monthly temperature composites: Berkley's composite (blue), Nova Scotia mean air temperature composite (Red). Both composites used the baseline of 1951-1980.*

Figure 2.2: Comparison of Nova Scotia monthly air temperature composite with Berkley's Nova Scotia monthly air temperature composite

Source: Rhode et al. (2013)

In order to ensure the quality of the data, the Nova Scotia monthly mean air temperature (MMAT) composite for all of Nova Scotia was compared to Berkeley Earth Surface

Temperature's (BEST; Rhode, et al., 2013) monthly temperature composite for the region Nova Scotia (Figure 2.2).

2.3.1.3. Ocean-atmospheric teleconnections and external forcings

Data for the Atlantic Multidecadal Oscillation (AMO), Arctic Oscillation (AO), North Atlantic Oscillation (NAO), Pacific Decadal Oscillation (PDO), El Niño Southern Oscillation (ENSO), Volcanic Forcing (VF), Total Solar Irradiance (TSI) and, Greenhouse Gases (GHG) were downloaded from the KNMI Climate Explorer website (https://climexp.knmi.nl/) from a series of different sources (Table 2.2). Arctic Oscillation data described by Trenberth and Paolino (1980) was collated together with data from the National Oceanic and Atmospheric Administration's Climate Prediction Center using Way and Viau's (2015) linear regression method on the overlapping period (R^2= 0.97).

2.3.2. Correlation analysis and multivariate regression

Ocean-atmospheric pressure anomalies and external forcings were compared to the MMAT anomalies on seasonal and annual timescales over the verification period (1900-1979). The cross-correlation function (CCF) was applied to determine the correlation on multiple time lags varying from 0 to 100 months or years (depending on the time scale that was being evaluated). The correlation coefficients (R^2) and lag were computed between the composite temperature anomalies and ocean-atmospheric indices and external forcings (without GHG) to identify the dominant modes of natural variability across the study area.

Table 2.2: Sources of air temperature, external forcing and climate variability data

Indices	Time Period	Resolution	Source
Meteorological data	1900-2015	Monthly	Environment Canada (2016), Vincent et al. (2012)
Atlantic Multidecadal Oscillation	1900-2015	Monthly	Van Oldenborgh et al (2009)
Arctic Oscillation	1900-2015	Monthly	NOAA's Climate Prediction Center and Trenberth and Paolino (1980) *using* Way & Viau (2015)
El Niño Southern Oscillation	1900-2015	Monthly	Kaplan et al. (1998) and Reynolds et al. (2002)
North Atlantic Oscillation	1900-2015	Monthly	Climate Research Unit *with* Osborn and Jones et al. (1997)
Pacific Decadal Oscillation	1900-2015	Monthly	NOAA's National Centers for Environmental Information *with* Mantua PDO index (2002)
Volcanic Aerosol Forcing	1900-2012	Monthly	NASA's Goddard Institute for Space Studies with research from Sato et al. (1993)
Total Solar Irradiance	1900-2015	Monthly	Solar Influences Data Analysis Center *from* (Clette et al., 2007 and Clette et al., 2014)
Green House Gas	1900-2015	Annual	NOAA's Earth System Research Laboratory *from* (Butler et al, 2005) Hansen & Sato (2004)

Multivariate regressions were used to test whether combinations of selected ocean-atmospheric indices and/or external forcings could explain temperature variability in Nova Scotia and its four sub-regions on annual and seasonal timescales during the verification period (1900-1979). In order to validate the models, residual plots (Appendix 2) were examined to determine if data were symmetrically distributed within a cluster (no outlier) and were displayed in a random and unpredictable manner (Belloto & Sokoloski, 1985; Zurr, Ieno, Walker, Saveliew, & Smith, 2009). Collinearity was also examined using the Variance Inflation Factor (VIF) between the variables (e.g. AMO, AO and ENSO) to determine if highly correlated variables could pose a problem (Dormann, et al., 2013).

Model selection was based on the Occam's parsimony principle which states that the most desired model is the one with the least amount of complexity (Bozdogan, 1987; Posada et al., 2004). In order to determine which model had the best predictive accuracy, the Akaike's Information Criterion (AIC), the adjusted R^2, the standard errors (SE) and the degrees of collinearity were evaluated. The model with the combination of the lowest AIC, the highest R^2, the lowest SE and low collinearity determined which one had the lowest level of complexity for the highest information gain (Bozdogan, 1987). The best fitting models for the verification period (1900-1979) were then run to predict the period of 1980-2015 (Kohavi, 1995). This predictive step was run for all Nova Scotia and its four sub-regions without and with a greenhouse gas component. This enabled an evaluation to determine if the GHG forcing improved the fit of the models to the temperature composites. All analysis and graphs were created using R (Supplemental material 2).

2.4. <u>Results</u>

2.4.1. Nova Scotia air temperature reconstructions

The temperature composites were calculated annually and seasonally for the entire region of Nova Scotia as well as for the four separate sub-regions: North, West, South and East.

Over the past century, from 1900 to 2015, annual air temperature in Nova Scotia has warmed by 0.68°C. Similar to other regions in the North Atlantic region (Morgan, Drinkwater, & Pocklington, 1994), negative temperature anomalies were observed in Nova Scotia during the early part of the twentieth century relative to the average of 1900 to 1979. Throughout the latter part of the 1920s, temperature anomalies showed a general increase until the late 1950s. The temperature anomalies in the 1950s reached their maximum warming during that period. This was followed by a slight cooling of the temperature anomalies in the 1960s and by a fairly stable trend until the late 1980s/early 1990s. During the 1990s, temperature anomalies in Nova Scotia showed a rapid warming trend (Appendix 3). Since 2000, almost every single year has had above average temperature anomalies. The start of the 2000s has demonstrated a slight slowdown in the increase of the temperature anomalies in Nova Scotia in comparison to the rate of the previous decade.

The four separate sub-regions of Nova Scotia have shown similar trends to the annual Nova Scotia trend throughout the last century. Each sub-region in this study showed a warming trend during the period of 1900 to 2015 (Appendix 4a). The period of 1900 to 1979 showed the lowest rates of warming for all the sub-regions as compared to the 1900 to 2015 and 1980 to 2015 periods. Over the full period, the North sub-region demonstrated the highest warming trend with an average increase of 0.081°C/decade (~ 0.93°C from 1900 to 2015) while the East sub-region demonstrated the lowest warming trend with an average increase of 0.045°C/decade (~ 0.52°C from 1900 to 2015).

Warming was also observed for every season from 1900 to 2015 (Appendix 4b-4f). Across the entire region of Nova Scotia, winter has seen the most extensive warming with an average increase of 0.085°C/decade (~ 0.98°C from 1900 to 2015), while spring has seen the least important warming with an average increase of 0.048°C/decade (~ 0.55°C from 1900 to 2015). For each season, the North sub-region of Nova Scotia showed the highest rate of warming compared to other. Conversely, the East sub-region recorded the lowest warming rate throughout all the seasons.

2.4.1.1. Anomalous years

On an annual scale, extremely cold years are observed in 1926, in the mid-1960s (1962 and 1966) and again in 1972, while extremely warm years are observed at the start of the 1950s (1951 and 1953) and again at the start of the new millennia (1999, 2006, 2010 and 2012). Many of the extremely warm years observed annually at the start of the 21st century are also observed in every season. However, a few extremely cold/warm seasonal anomalies weren't observed annually but only during one season: 1926 and 1967 (extremely cold anomaly) in the spring; 1923, 1962, 1964 and 1986 (extremely cold anomaly) and 1937 and 1994 (extremely warm anomaly) in the summer; 1911, 1925, 1978 and 1986 (extremely cold anomaly) and 1961 (extremely warm anomaly) in the fall as well as 1933 and 1958 (extremely cold anomaly) and 1950 and 1957 (extremely warm anomaly) in the winter. Anomaly values were much more pronounced and frequent in the winter season than in any other season.

2.4.1.2. Density plots

Density plots were created from the annual and seasonal temperature anomalies for all of Nova Scotia and its sub-regions (Figure 2.3). In each plot, three different time blocks, 1900-1940, 1941-1980 and 1981-2015, were plotted to represent the evolution of the temperatures anomalies through time.

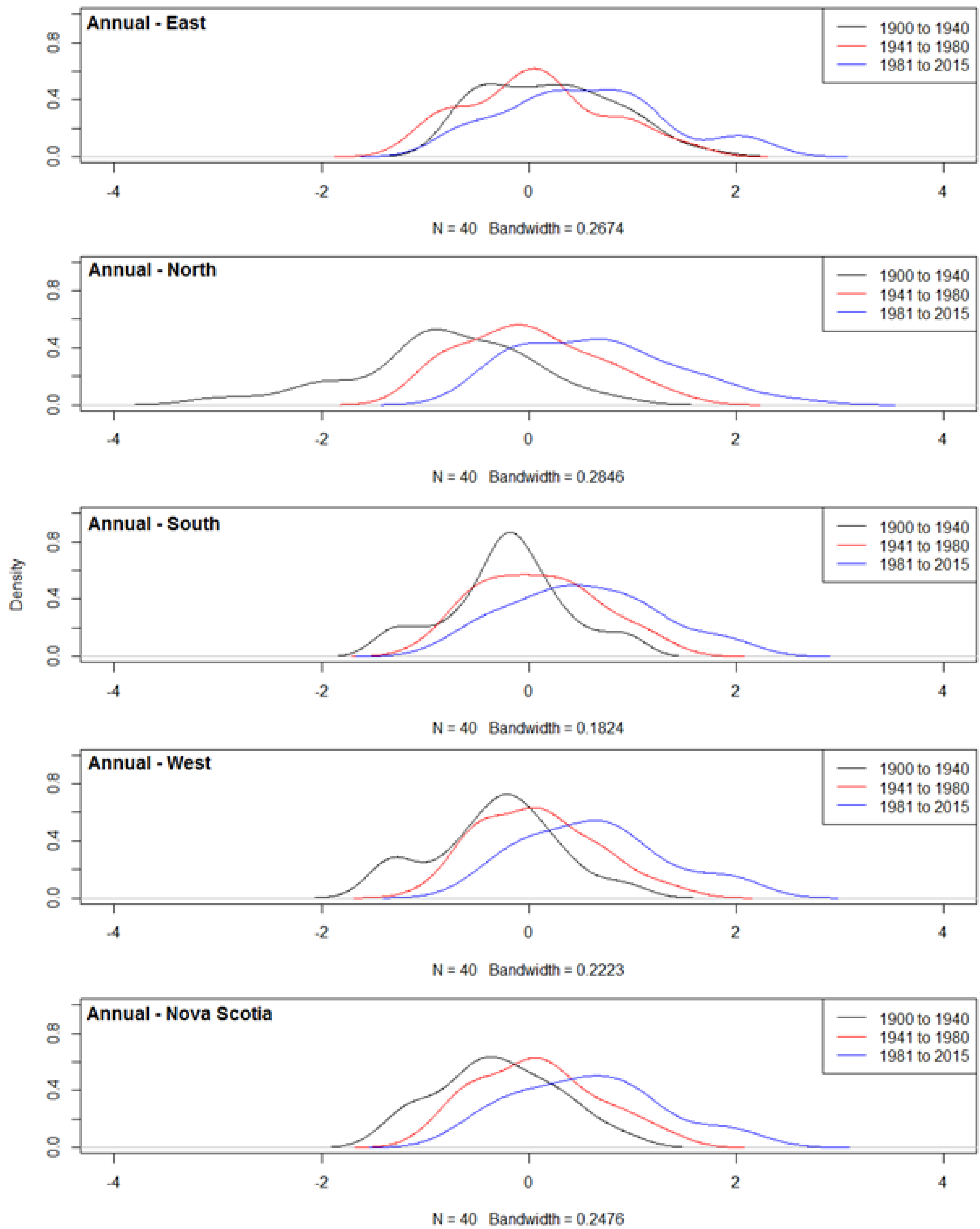
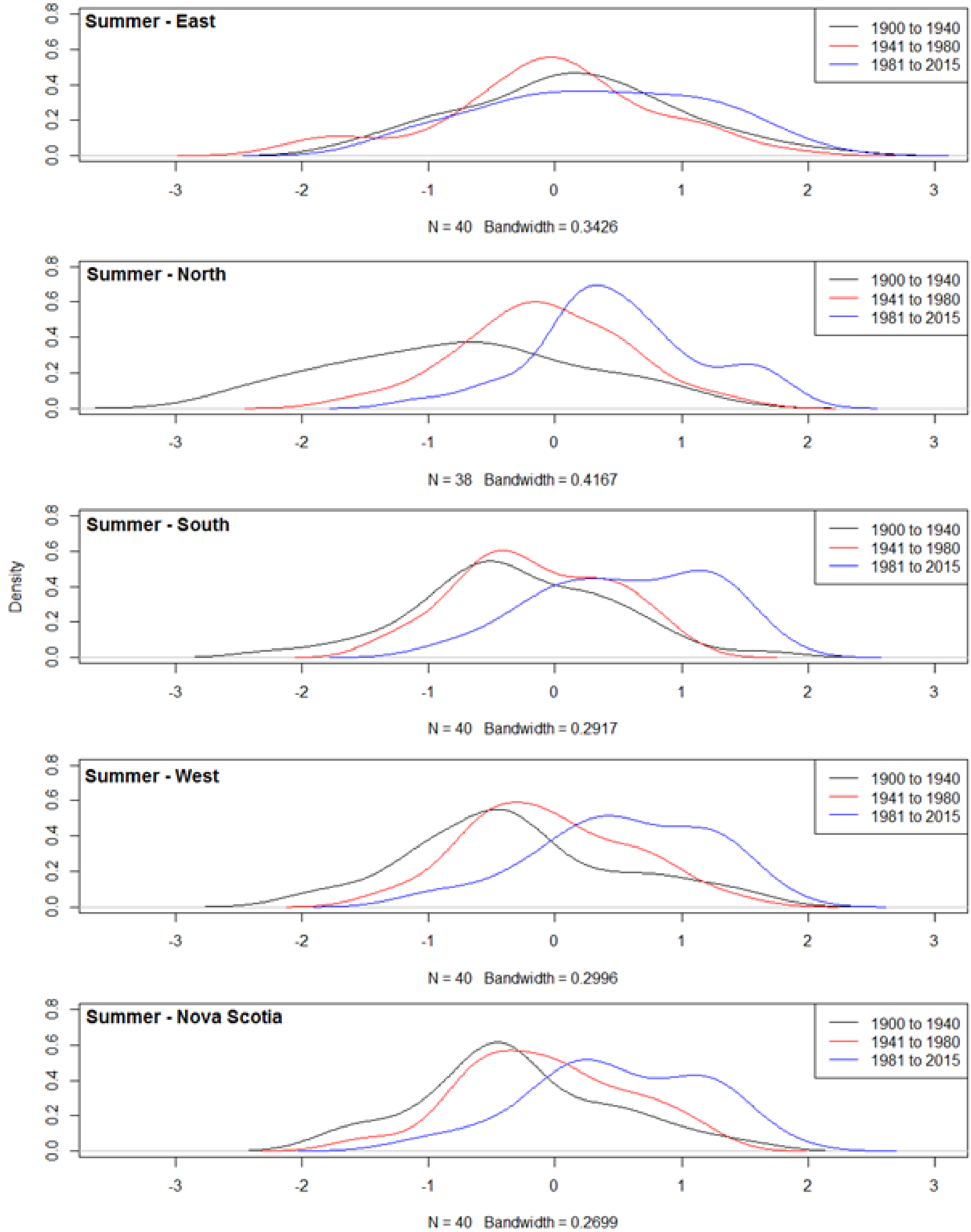
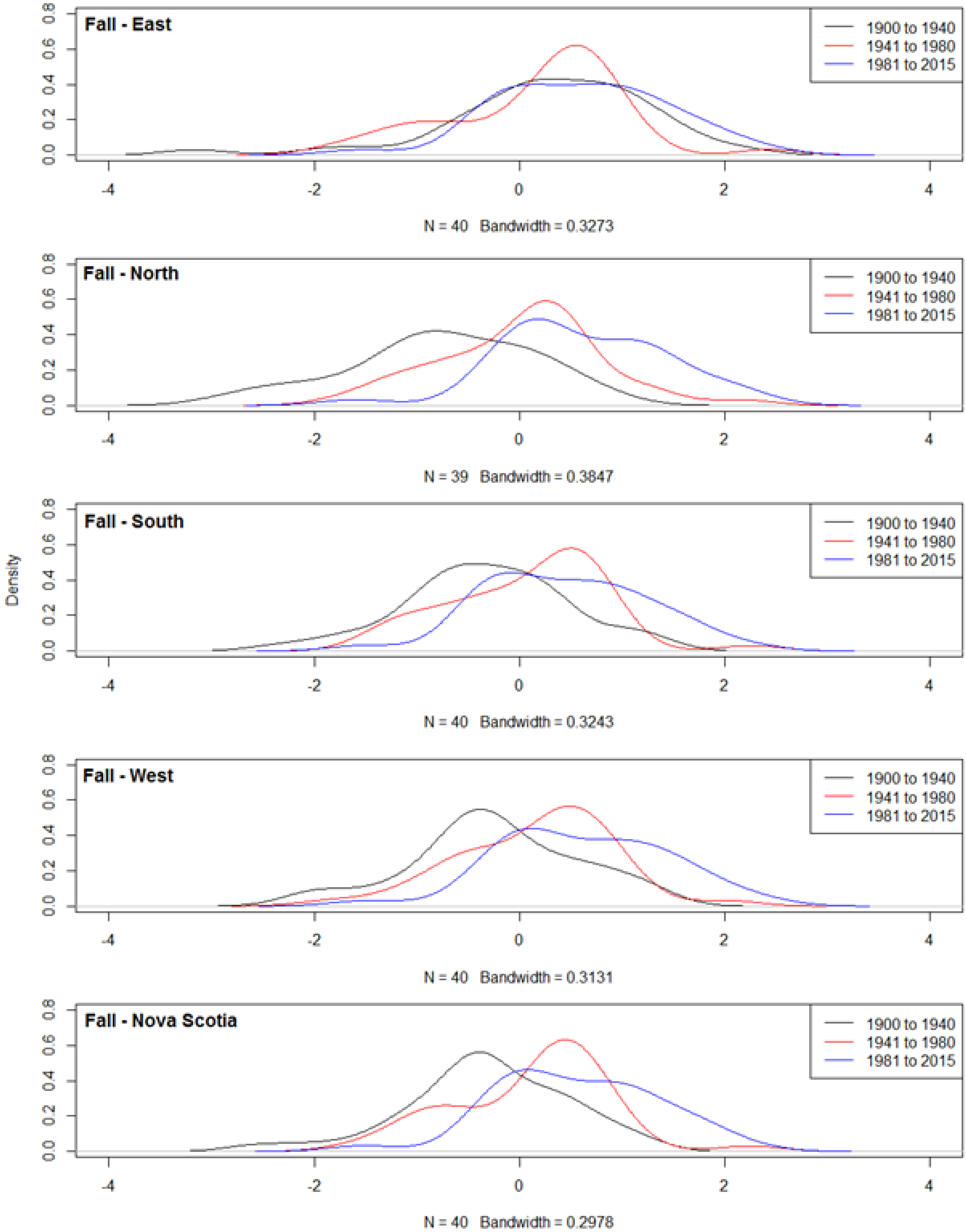


Figure 2.3: Annual and seasonal density plots for Nova Scotia

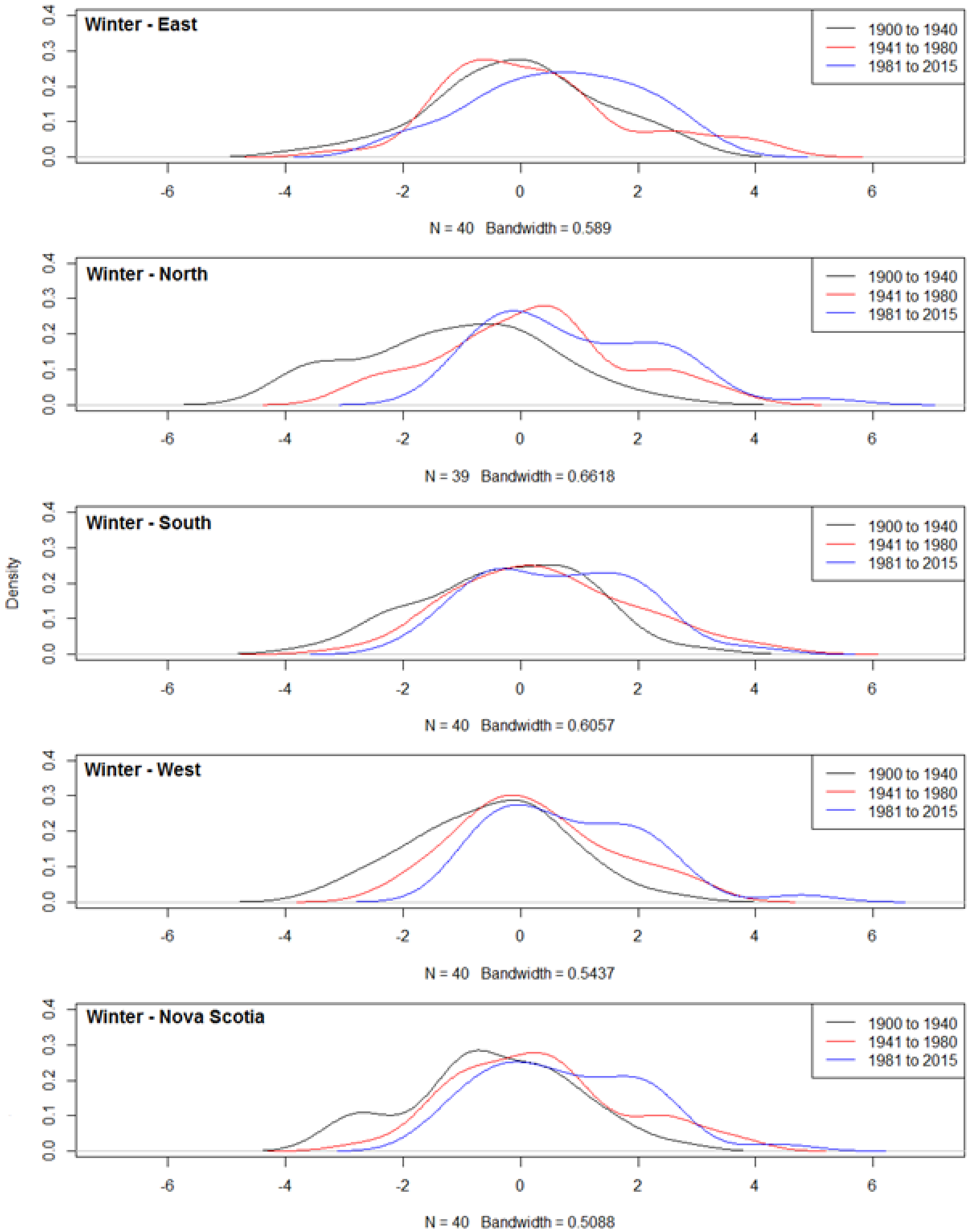
a) Annual density plots for all regions of Nova Scotia separated in 3 time periods: 1900-1940 (black), 1941-1980 (red), and 1981-2015 (blue).



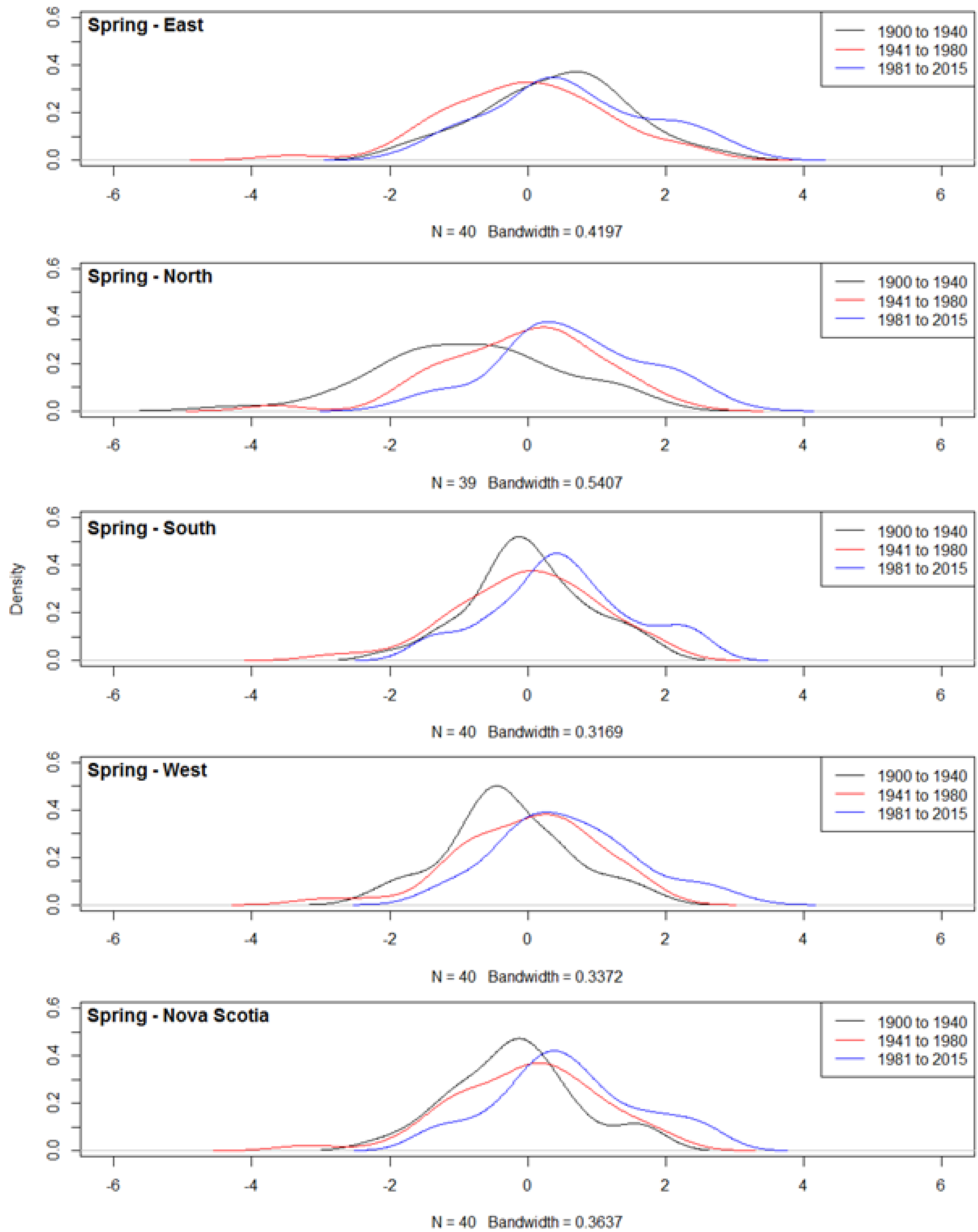
b) *Summer seasonal density plots for all regions of Nova Scotia separated in 3 time periods: 1900-1940 (black), 1941-1980 (red), and 1981-2015 (blue).*



c) *Fall seasonal density plots for all regions of Nova Scotia separated in 3 time periods: 1900-1940 (black), 1941-1980 (red), and 1981-2015 (blue).*



d) *Winter seasonal density plots for all regions of Nova Scotia separated in 3 time periods: 1900-1940 (black), 1941-1980 (red), and 1981-2015 (blue).*



e) Spring seasonal density plots for all regions of Nova Scotia separated in 3 time periods: 1900-1940 (black), 1941-1980 (red), and 1981-2015 (blue).

Annually, the density plots for all of Nova Scotia and its sub-regions (Figure 2.3a), with the exception of the East sub-region, are all relatively similar in indicating a shift through time towards warmer temperature anomalies with each time period being warmer than the previous one. The general warming appears to range in between 0.5^{o}C to 1^{o}C from the 1900-1940 period to the 1981-2015 period. Most curves appear either unimodal or slightly bimodal. The positive end of the 1980-2015 curves shows a shift towards more extreme temperature anomalies. In the East sub-region, very minimal warming has been observed through time; however warmer anomaly events are occurring more frequently during the 1980-2015 period.

Seasonally, the spring, the summer and the fall all have similar tendencies in their density plots (Figure 2.3b, c, e). All density plots, with the exception of the East sub-region, have experienced a warming, with each period appearing to be slightly warmer than the last. Most curves in the density plots are unimodal or slightly bimodal. The 1980-2015 curves extend further into positive values than during any other time period indicating a shift towards more extremely warm temperature anomalies than in previous periods. In the East sub-region, no warming (or very minimal warming) is observed. However, a shift towards more extremely warm temperature anomalies is also noticeable in the 1980-2015 curves. Winter (Figure 2.3d) has very similar tendencies to the other seasons with a shift towards warmer temperatures occurring over the entire time period. There appears to be a shift towards an increasing number of positive anomalies and decreasing number of negative anomalies in 1980-2015. The temperature anomaly values during the winter are higher than other seasons.

2.4.2. Correlation analysis

The Nova Scotia temperature composites were compared with large-scale ocean-atmospheric teleconnections (AMO, AO, NAO, PDO, ENSO) and external forcings (VF, TSI) to determine if relationships existed. The strongest relationships were found at zero lags in all time scales with the exception of a few instances where the strongest correlation was found at one year lag across all of Nova Scotia and its sub-regions (Table 2.3).

Annually, the AMO and AO/NAO indices as well as the Optical external forcing were correlated with the composite temperature series of Nova Scotia. The AMO was positively correlated for all regions of Nova Scotia. The AO only showed negative correlations in the East and South sub-regions while negative relationships with the NAO were also found in the East and North sub-regions. The Optical external forcing was only found to be correlated in the East sub-region.

During the spring, the East sub-region was the only region where the AMO and AO were positively and negatively correlated (respectively) with the composite temperature series. During the summer, the AMO, AO and ENSO were correlated in all of Nova Scotia including all its sub-regions (AMO = positive, AO = positive, ENSO = negative). The South sub-region and all of Nova Scotia were also correlated with the Optical forcing. In the fall, the AMO was positively correlated with the composite temperature series at 0 lags while the ENSO forcing was found to be negatively correlated at lag of one in Nova Scotia and all sub-regions with the exception of the East sub-region. During the winter, the AMO showed positive correlations in all of Nova Scotia while the AO only showed negative correlations in the East sub-region.

Table 2.3: *Synthesis significance of forcing for 1900-1979*

a) *Annual correlations between Nova Scotia annual temperature composites and internal and external climate indices - Statistically significant results are indicate in dark green*

	AMO				AO				NAO				NIÑO				PDO				Optical				Sun			
	Lag	R	R2	Sig.	Lag	R	R2	Sig.	Lag	R	R2	Sig.	Lag	R	R2	Sig.	Lag	R	R2	Sig.	Lag	R	R2	Sig.	Lag	R	R2	Sig.
E	**0**	**0.24**	**0.058**	**Y**	**0**	**-0.161**	**0.026**	**Y**	**0**	**-0.074**	**0.005**	**Y**	46	0.118	0.014	Y	10	-0.114	0.013	Y	**0**	**-0.107**	**0.011**	**Y**	106	0.073	0.005	Y
N	**0**	**0.180**	**0.032**	**Y**	1	-0.079	0.006	N	**1**	**-0.092**	**0.008**	**Y**	4	-0.098	0.010	Y	10	-0.11	0.012	Y	117	0.102	0.010	Y	75	0.147	0.022	Y
S	**0**	**0.233**	**0.054**	**Y**	**1**	**-0.089**	**0.008**	**Y**	4	-0.089	0.008	Y	12	-0.082	0.007	N	19	-0.101	0.010	Y	0	-0.077	0.006	N	71	0.1	0.010	Y
W	**1**	**0.236**	**0.056**	**Y**	12	0.119	0.014	Y	108	-0.091	0.008	Y	12	-0.124	0.015	Y	9	-0.099	0.010	Y	119	0.069	0.005	N	73	0.15	0.023	Y
NS	**0**	**0.219**	**0.048**	**Y**	12	0.102	0.010	Y	1	-0.083	0.007	N	12	-0.084	0.007	Y	9	-0.1	0.010	Y	0	-0.072	0.005	N	79	0.112	0.013	Y

b) *Seasonal correlations between Nova Scotia spring temperature composites and internal and external climate indices - Statistically significant results are indicate in dark green*

	AMO				AO				NAO				NIÑO				PDO				Optical				Sun			
	Lag	R	R2	Sig.	Lag	R	R2	Sig.	Lag	R	R2	Sig.	Lag	R	R2	Sig.	Lag	R	R2	Sig.	Lag	R	R2	Sig.	Lag	R	R2	Sig.
E	**0**	**0.188**	**0.035**	**Y**	**0**	**-0.231**	**0.053**	**Y**	40	0.102	0.010	N	33	0.168	0.028	Y	30	0.163	0.027	N	77	-0.164	0.027	N	81	0.227	0.052	Y
N	83	-0.242	0.059	Y	89	-0.14	0.020	N	36	0.127	0.016	N	42	-0.224	0.050	Y	116	0.152	0.023	N	33	0.182	0.033	Y	95	-0.258	0.067	Y
S	83	-0.15	0.023	N	61	-0.136	0.018	N	4	0.137	0.019	N	42	-0.165	0.027	N	0	0.137	0.019	N	24	-0.144	0.021	N	94	-0.241	0.058	Y
W	83	-0.24	0.056	N	30	0.129	0.017	N	31	-0.12	0.014	N	42	-0.189	0.036	Y	116	0.143	0.020	N	33	0.153	0.023	N	19	0.212	0.045	Y
NS	83	-0.19	0.035	Y	61	-0.128	0.016	N	4	0.134	0.018	N	42	-0.176	0.031	Y	116	0.128	0.016	N	33	0.146	0.021	N	95	-0.257	0.066	Y

c) *Seasonal correlations between Nova Scotia summer temperature composites and internal and external climate indices - Statistically significant results are indicate in dark green*

	AMO				AO				NAO				NIÑO				PDO				Optical				Sun			
	Lag	R	R2	Sig.	Lag	R	R2	Sig.	Lag	R	R2	Sig.	Lag	R	R2	Sig.	Lag	R	R2	Sig.	Lag	R	R2	Sig.	Lag	R	R2	Sig.
E	**0**	**0.276**	**0.076**	**Y**	**0**	**0.258**	**0.067**	**Y**	26	0.174	0.030	Y	**0**	**-0.227**	**0.052**	**Y**	27	0.194	0.038	Y	2	-0.17	0.029	Y	46	-0.171	0.029	Y
N	**0**	**0.318**	**0.101**	**Y**	**0**	**0.333**	**0.111**	**Y**	111	0.146	0.021	N	**0**	**-0.265**	**0.070**	**Y**	79	-0.233	0.054	Y	99	0.182	0.033	Y	26	0.243	0.059	Y
S	**0**	**0.325**	**0.106**	**Y**	**0**	**0.261**	**0.068**	**Y**	111	0.16	0.026	Y	**0**	**-0.198**	**0.039**	**Y**	39	-0.154	0.024	Y	**0**	**-0.211**	**0.045**	**Y**	27	0.209	0.044	Y
W	**0**	**0.38**	**0.144**	**Y**	**0**	**0.304**	**0.092**	**Y**	19	0.147	0.022	Y	**0**	**-0.259**	**0.067**	**Y**	67	-0.214	0.046	Y	99	0.211	0.045	Y	26	0.251	0.063	Y
NS	**0**	**0.337**	**0.114**	**Y**	**0**	**0.304**	**0.092**	**Y**	26	0.138	0.019	N	**0**	**-0.249**	**0.062**	**Y**	67	-0.164	0.027	Y	**0**	**-0.177**	**0.031**	**Y**	27	0.216	0.047	Y

d) *Seasonal correlations between Nova Scotia fall temperature composites and internal and external climate indices - Statistically significant results are indicate in dark green*

	AMO				AO				NAO				NIÑO				PDO				Optical				Sun			
	Lag	R	R2	Sig.	Lag	R	R2	Sig.	Lag	R	R2	Sig.	Lag	R	R2	Sig.	Lag	R	R2	Sig.	Lag	R	R2	Sig.	Lag	R	R2	Sig.
E	**0**	**0.313**	**0.098**	**Y**	3	0.147	0.022	N	16	-0.153	0.023	N	102	0.160	0.026	N	2	-0.196	0.038	Y	109	0.157	0.025	N	55	0.104	0.011	N
N	**0**	**0.206**	**0.042**	**Y**	3	0.195	0.038	Y	9	0.173	0.030	Y	**1**	**-0.193**	**0.037**	**Y**	3	-0.204	0.042	Y	52	0.183	0.033	Y	27	0.146	0.021	N
S	**0**	**0.293**	**0.086**	**Y**	3	3.000	9.000	Y	58	0.172	0.030	Y	**1**	**-0.177**	**0.031**	**Y**	2	-0.136	0.018	N	64	0.159	0.025	N	27	0.144	0.021	N
W	**0**	**0.296**	**0.088**	**Y**	3	0.16	0.026	Y	31	0.183	0.033	Y	**1**	**-0.208**	**0.043**	**Y**	3	-0.176	0.031	Y	95	0.216	0.047	Y	26	0.158	0.025	N
NS	**0**	**0.26**	**0.068**	**Y**	3	0.18	0.032	Y	48	0.168	0.028	Y	**1**	**-0.182**	**0.033**	**Y**	2	-0.181	0.033	Y	37	0.135	0.018	N	27	0.141	0.020	N

e) *Seasonal correlations between Nova Scotia winter temperature composites and internal and external climate indices - Statistically significant results are indicate in dark green*

	AMO				AO				NAO				NIÑO				PDO				Optical				Sun			
	Lag	R	R2	Sig.	Lag	R	R2	Sig.	Lag	R	R2	Sig.	Lag	R	R2	Sig.	Lag	R	R2	Sig.	Lag	R	R2	Sig.	Lag	R	R2	Sig.
E	**0**	**0.237**	**0.056**	**Y**	**0**	**-0.196**	**0.038**	**Y**	1	-0.131	0.017	N	6	-0.173	0.030	Y	97	0.125	0.016	N	96	0.152	0.023	Y	72	-0.091	0.008	N
N	**0**	**0.142**	**0.020**	**Y**	3	0.133	0.018	N	82	-0.121	0.015	N	6	-0.141	0.020	Y	11	0.143	0.020	N	96	0.174	0.030	Y	18	0.122	0.015	N
S	**0**	**0.263**	**0.069**	**Y**	41	-0.127	0.016	N	82	-0.145	0.021	N	6	-0.161	0.026	Y	97	0.127	0.016	N	96	0.17	0.029	Y	16	0.111	0.012	N
W	**1**	**0.182**	**0.033**	**Y**	3	0.119	0.014	N	82	-0.14	0.020	N	6	-0.145	0.021	Y	94	0.14	0.020	Y	96	0.168	0.028	Y	18	0.136	0.018	N
NS	**0**	**0.219**	**0.048**	**Y**	41	-0.11	0.012	N	82	-0.129	0.017	N	6	-0.159	0.025	Y	97	0.135	0.018	N	95	0.138	0.019	Y	16	0.107	0.011	N

Table 2.4: *Regression statistics for empirical statistical models used in this study*

a) *Regression statistics for all models during the training period (1900-1979)*

Model Variables	Rgn	Period	Time	R2	AdjR2	ResdSE	p-value	Coll – X1	Coll – X2	Coll – X3	Coll – X4	Coll – X5	Coll – GHG	AIC
y~AMO	East	Ann	1900-1979	0.0571	0.0561	1.4910	0.000000							3455.041
y~AO	East	Ann	1900-1979	0.0261	0.0251	1.5160	0.000001							3483.042
y~NAO	East	Ann	1900-1979	0.0055	0.0045	1.5310	0.022000							3505.553
y~Optical	East	Ann	1900-1979	0.0114	0.0104	1.5260	0.000986							3499.931
y~AMO+AO	East	Ann	1900-1979	**0.0794**	**0.0774**	**1.4740**	**< 2.2e-16**	**1.0033**	**1.0033**					**3431.618**
y~AMO+NAO	East	Ann	1900-1979	0.0606	0.0586	1.4890	0.000000	1.0041	1.0041					3453.500
y~AMO+Optical	East	Ann	1900-1979	0.0577	0.0557	1.4910	0.000000	1.1415	1.1415					3456.450
y~AO+NAO	East	Ann	1900-1979	0.0274	0.0254	1.5160	0.000002	1.6766	1.6766					3483.736
y~AO+Optical	East	Ann	1900-1979	0.0369	0.0349	1.5080	0.000000	1.0003	1.0003					3474.424
y~NAO+Optical	East	Ann	1900-1979	0.0165	0.0145	1.5230	0.000378	1.0007	1.0007					3497.000
y~AMO+AO+NAO	East	Ann	1900-1979	0.0814	0.0785	1.4750	< 2.2e-16	1.0046	1.6774	1.6788				3431.698
y~AMO+AO+Opti	East	Ann	1900-1979	0.0800	0.0771	1.4750	< 2.2e-16	1.1446	1.0033	1.1412				3433.075
y~AMO+NAO+Opti	East	Ann	1900-1979	0.0612	0.0582	1.4890	0.000000	1.1454	1.0041	1.1415				3454.918
y~AO+NAO+Opti	East	Ann	1900-1979	0.0384	0.0354	1.5080	0.000000	1.6766	1.6773	1.0007				3474.948
y~AMO+AO+NAO+ Optical	East	Ann	1900-1979	0.0820	0.0781	1.4740	< 2.2e-16	1.1457	1.6775	1.6789	1.1413			3432.975
y~+GHG	East	Ann	1900-1979	**0.0794**	**0.0765**	**1.4750**	**< 2.2e-16**	**1.0186**	**1.0055**				**1.0182**	**3433.696**
y~AMO	North	Ann	1900-1979	**0.0325**	**0.0314**	**1.602**	**0.000000**							**3467.129**
y~NAO	North	Ann	1900-1979	0.0013	0.0003	1.628	0.267600							3496.124
y~AMO+NAO	North	Ann	1900-1979	0.0332	0.0311	1.603	0.000000	1.0027	1.0027					3468.424
y~+GHG	North	Ann	1900-1979	**0.0939**	**0.0919**	**1.551**	**< 2.2e-16**	**1.0262**					**1.0262**	**3409.078**
y~AMO	South	Ann	1900-1979	0.0542	0.0532	1.376	0.000000							3310.553
y~AO	South	Ann	1900-1979	0.0041	0.0030	1.413	0.048510							3356.812
y~AMO+AO	South	Ann	1900-1979	**0.0566**	**0.0546**	**1.376**	**0.000000**	**1.0030**	**1.0030**					**3307.415**
With GHG	South	Ann	1900-1979	**0.0675**	**0.0646**	**1.369**	**0.000000**	**1.0184**	**1.0053**				**1.0183**	**3298.314**
y~AMO	West	Ann	1900-1979	**0.0526**	**0.0516**	**1.327**	**0.000000**							**3227.905**
With GHG	West	Ann	1900-1979	**0.0732**	**0.0712**	**1.314**	**0.000000**	**1.0155**					**1.0155**	**3209.119**
y~AMO	NS	Ann	1900-1979	**0.0476**	**0.0466**	**1.381**	**0.000000**							**3316.572**
With GHG	NS	Ann	1900-1979	**0.0632**	**0.0613**	**1.37**	**0.000000**	**1.0158**					**1.0158**	**3302.864**

y~AMO	East	Sum	1900-1979	0.0761	0.0722	1.1090	0.000015							731.6872
y~AO	East	Sum	1900-1979	0.0665	0.0626	1.1150	0.000055							734.1433
y~ENSO	East	Sum	1900-1979	0.0513	0.0473	1.1240	0.000416							738.0035
y~AMO+AO	East	Sum	1900-1979	0.1201	0.1126	1.0850	0.000000	1.0367	1.0367					722.0230
y~AMO+ENSO	East	Sum	1900-1979	0.1015	0.0939	1.0960	0.000003	1.0749	1.0749					727.0222
y~AO+ENSO	East	Sum	1900-1979	0.0952	0.0876	1.1000	0.000007	1.0615	1.0615					728.6757
y~AMO+AO+ ENSO	East	Sum	1900-1979	**0.1344**	**0.1233**	**1.0780**	**0.000000**	**1.0942**	**1.0806**	**1.1204**				**720.1080**
y~+GHG	East	Sum	1900-1979	0.1344	0.1196	1.0800	0.000001	1.1075	1.1349	1.1562			1.1030	722.1030
y~AMO	North	Sum	1900-1979	0.103	0.099	1.057	0.000001							679.405
y~AO	North	Sum	1900-1979	0.114	0.110	1.051	0.000000							676.631
y~ENSO	North	Sum	1900-1979	0.068	0.064	1.078	0.000066							688.097
y~AMO+AO	North	Sum	1900-1979	0.185	0.178	1.010	0.000000	1.0289	1.0289					659.326
y~AMO+ENSO	North	Sum	1900-1979	0.136	0.129	1.040	0.000000	1.0741	1.0741					672.705
y~AO+ENSO	North	Sum	1900-1979	0.148	0.141	1.032	0.000000	1.0589	1.0589					669.467
y~AMO+AO+ENSO	North	Sum	1900-1979	**0.201**	**0.191**	**1.002**	**0.000000**	**1.0880**	**1.0725**	**1.1196**				**656.702**
y~+GHG	North	Sum	1900-1979	**0.284**	**0.272**	**0.951**	**0.000000**	**1.1167**	**1.1156**	**1.1660**	**1.1083**			**633.610**
y~AMO	South	Sum	1900-1979	0.1056	0.1019	0.9387	0.000000							654.7225
y~AO	South	Sum	1900-1979	0.0680	0.0641	0.9582	0.000043							664.6083
y~ENSO	South	Sum	1900-1979	0.0394	0.0353	0.9729	0.002015							671.8823
y~Optical	South	Sum	1900-1979	0.0447	0.0407	0.9702	0.000983							670.5455
y~AMO+AO	South	Sum	1900-1979	0.1467	0.1395	0.9188	0.000000	1.0375	1.0375					645.4348
y~AMO+ENSO	South	Sum	1900-1979	0.1194	0.1120	0.9334	0.000000	1.0735	1.0735					652.9935
y~AMO+Optical	South	Sum	1900-1979	0.1141	0.1066	0.9362	0.000001	1.1798	1.1798					654.4504
y~AO+ENSO	South	Sum	1900-1979	0.0878	0.0801	0.9500	0.000019	1.0598	1.0598					661.4739
y~AO+Optical	South	Sum	1900-1979	0.1000	0.0924	0.9437	0.000004	1.0176	1.0176					658.2411
y~ENSO+Optical	South	Sum	1900-1979	0.0841	0.0764	0.9519	0.000030	1.0000	1.0000					662.4285
y~AMO+AO+ENSO	South	Sum	1900-1979	0.1529	0.1422	0.9174	0.000000	1.0939	1.0799	1.1174				645.6807
y~AMO+AO+ Optical	South	Sum	1900-1979	0.1530	0.1422	0.9174	0.000000	1.2078	1.0417	1.1845				645.6659
y~AO+ENSO+ Optical	South	Sum	1900-1979	0.1214	0.1103	0.9343	0.000001	1.0796	1.0610	1.0187				654.4493
y~AMO+AO+ENSO +Optical	South	Sum	1900-1979	**0.1611**	**0.1468**	**0.9149**	**0.000000**	**1.2944**	**1.0885**	**1.1370**	**1.2053**			**645.3595**
y~+GHG	South	Sum	1900-1979	**0.1789**	**0.1613**	**0.9071**	**0.000000**	**1.2967**	**1.1502**	**1.1665**	**1.2344**		**1.1294**	**642.2205**

y~AMO	West	Sum	1900-1979	0.1447	0.1411	0.9292	0.000000							649.8336
y~AO	West	Sum	1900-1979	0.0927	0.0889	0.9570	0.000002							663.9978
y~ENSO	West	Sum	1900-1979	0.0671	0.0632	0.9704	0.000049							670.6779
y~AMO+AO	West	Sum	1900-1979	0.2006	0.1938	0.9002	0.000000	1.0375	1.0375					635.6188
y~AMO+ENSO	West	Sum	1900-1979	0.1720	0.1650	0.9162	0.000000	1.0735	1.0735					644.0511
y~AO+ENSO	West	Sum	1900-1979	0.1296	0.1223	0.9393	0.000000	1.0598	1.0598					656.0257
y~AMO+AO+ENSO	West	Sum	1900-1979	**0.2151**	**0.2052**	**0.8939**	**0.000000**	**1.0939**	**1.0799**	**1.1174**				**633.2006**
y~+GHG	West	Sum	1900-1979	**0.2381**	**0.2251**	**0.8826**	**0.000000**	**1.1076**	**1.1334**	**1.1540**			**1.1028**	**628.0688**
y~AMO	NS	Sum	1900-1979	0.1137	0.1100	0.9365	0.000000							653.6009
y~AO	NS	Sum	1900-1979	0.0921	0.0883	0.9478	0.000002							659.3644
y~ENSO	NS	Sum	1900-1979	0.0622	0.0583	0.9633	0.000094							667.1500
y~Optical	NS	Sum	1900-1979	0.0314	0.0273	0.9790	0.005938							674.9156
y~AMO+AO	NS	Sum	1900-1979	0.1732	0.1662	0.9065	0.000000	1.0375	1.0375					638.9323
y~AMO+ENSO	NS	Sum	1900-1979	0.1416	0.1343	0.9236	0.000000	1.0735	1.0735					647.9270
y~AMO+Optical	NS	Sum	1900-1979	0.1161	0.1087	0.9372	0.000000	1.1798	1.1798					654.9393
y~AO+ENSO	NS	Sum	1900-1979	0.1255	0.1181	0.9322	0.000000	1.0598	1.0598					652.3900
y~AO+Optical	NS	Sum	1900-1979	0.1113	0.1038	0.9397	0.000001	1.0176	1.0176					656.2437
y~ENSO+Optical	NS	Sum	1900-1979	0.0937	0.0860	0.9490	0.000009	1.0000	1.0000					660.9636
y~AMO+AO+ENSO	NS	Sum	1900-1979	**0.1878**	**0.1775**	**0.9003**	**0.000000**	**1.0939**	**1.0799**	**1.1174**				**636.6381**
y~AMO+AO+Opti	NS	Sum	1900-1979	0.1743	0.1638	0.9077	0.000000	1.2078	1.0417	1.1845				640.5952
y~AO+ENSO+Opti	NS	Sum	1900-1979	0.1464	0.1355	0.9230	0.000000	1.0796	1.0610	1.0187				648.5815
y~AMO+AO+ENSO +Opti	NS	Sum	1900-1979	0.1904	0.1766	0.9008	0.000000	1.2944	1.0885	1.1370	1.2053			637.8859
y~+GHG	NS	Sum	1900-1979	**0.2071**	**0.1936**	**0.8915**	**0.000000**	**1.1076**	**1.1334**	**1.1540**	**1.1028**		**1.1294**	**1.1076**
y~AMO	East	Fall	1900-1979	**0.0976**	**0.0938**	**1.1940**	**0.000001**							**763.7731**
With GHG	East	Fall	1900-1979	0.0991	0.0915	1.1950	0.000005	1.0349	1.0349					765.3724
y~AMO	North	Fall	1900-1979	**0.0431**	**0.0389**	**1.2600**	**0.001443**							**772.8372**
y~ENSO	North	Fall	1900-1979	0.0135	0.0092	1.2790	0.076730							779.9306
y~AMO+ENSO	North	Fall	1900-1979	0.0474	0.0391	1.2600	0.003748	1.0683	0.0683					773.7787
With GHG	North	Fall	1900-1979	**0.1149**	**0.1072**	**1.2140**	**0.000001**	**1.0438**					**1.0438**	**756.6708**
y~AMO	South	Fall	1900-1979	**0.0859**	**0.0820**	**1.076**	**0.000004**							**717.1394**
y~ENSO	South	Fall	1900-1979	0.0065	0.0023	1.121	0.213600							737.0370
y~AMO+ENSO	South	Fall	1900-1979	0.0859	0.0782	1.078	0.000025	1.0739	1.0739					719.1352
With GHG	South	Fall	1900-1979	**0.1129**	**0.1054**	**1.062**	**0.000001**	**1.0338**					**1.0338**	**711.9601**
y~AMO	West	Fall	1900-1979	**0.0892**	**0.0853**	**1.1110**	**0.000003**							**729.6755**

y~ENSO	West	Fall	1900-1979	0.0136	0.0094	1.1570	0.072940							748.6608
y~AMO+ENSO	West	Fall	1900-1979	0.0910	0.0833	1.1130	0.000014	1.0681	1.0681					731.2046
With GHG	West	Fall	1900-1979	**0.1069**	**0.0993**	**1.1030**	**0.000002**	**1.0333**					**1.0333**	**727.0060**
y~AMO	NS	Fall	1900-1979	**0.0674**	**0.0634**	**1.1120**	**0.000049**							**732.8507**
y~ENSO	NS	Fall	1900-1979	0.0090	0.0048	1.1460	0.144100							747.3660
y~AMO+ENSO	NS	Fall	1900-1979	0.0681	0.0602	1.1140	0.000242	1.0739	1.0739					734.6548
With GHG	NS	Fall	1900-1979	**0.0882**	**0.0804**	**1.1020**	**0.000019**	**1.0338**					**1.0338**	**729.4670**
y~AMO	East	Winter	1900-1979	0.0602	0.0562	2.002	0.000159							984.4875
y~AO	East	Winter	1900-1979	0.0667	0.0626	2.000	0.000072							979.6791
y~AMO+AO	East	Winter	1900-1979	**0.1096**	**0.1018**	**1.957**	**0.000002**	**1.0314**	**1.0314**					**970.7977**
With GHG	East	Winter	1900-1979	0.1100	0.0982	1.961	0.000007	1.0957	1.0426				1.0662	972.7063
y~AMO	North	Winter	1900-1979	**0.0192**	**0.0148**	**2.266**	**0.038980**							**997.2878**
With GHG	North	Winter	1900-1979	**0.0655**	**0.0570**	**2.217**	**0.000602**	**1.0725**					**1.0725**	**988.5635**
y~AMO	South	Winter	1900-1979	**0.0837**	**0.0797**	**1.963**	**0.000007**							**983.6089**
With GHG	South	Winter	1900-1979	**0.0972**	**0.0894**	**1.952**	**0.000007**	**1.0545**					**1.0545**	**982.1175**
y~AMO	West	Winter	1900-1979	**0.0283**	**0.0241**	**1.8280**	**0.010240**							**942.3215**
With GHG	West	Winter	1900-1979	**0.0419**	**0.0335**	**1.8190**	**0.007464**	**1.0507**					**1.0507**	**941.0629**
y~AMO	NS	Winter	1900-1979	**0.0482**	**0.0441**	**1.9450**	**0.000719**							**979.4338**
With GHG	NS	Winter	1900-1979	**0.0634**	**0.0553**	**1.9340**	**0.000516**	**1.0530**					**1.0530**	**977.6609**
y~AMO	East	Spring	1900-1979	0.0354	0.0314	1.5020	0.003429							880.3440
y~AO	East	Spring	1900-1979	0.0534	0.0494	1.4880	0.000306							875.8244
y~AMO+AO	East	Spring	1900-1979	**0.0794**	**0.0716**	**1.4700**	**0.000056**	**1.0152**	**1.0152**					**871.1519**
With GHG	East	Spring	1900-1979	**0.0891**	**0.0775**	**1.4660**	**0.000063**	**1.0350**	**1.0153**				**1.0202**	**870.6043**

b) Selection of best regression statistics for all models during the training period (1900-1979)

Model Variables	Rgn	Period	Time	R2	AdjR2	ResdSE	p-value	Coll – X1	Coll – X2	Coll – X3	Coll – X4	Coll – X5	Coll – GHG	AIC
y~AMO+AO	East	Ann	1900-1979	0.0794	0.0774	1.4740	< 2.2e-16	1.0033	1.0033					3431.618
y~+GHG	East	Ann	1900-1979	0.0794	0.0765	1.4750	< 2.2e-16	1.0186	1.0055				1.0182	3433.696
y~AMO	North	Ann	1900-1979	0.0325	0.0314	1.602	0.000000							3467.129
y~+GHG	North	Ann	1900-1979	0.0939	0.0919	1.551	< 2.2e-16	1.0262					1.0262	3409.078
y~AMO+AO	South	Ann	1900-1979	0.0566	0.0546	1.376	0.000000	1.0030	1.0030					3307.415
With GHG	South	Ann	1900-1979	0.0675	0.0646	1.369	0.000000	1.0184	1.0053				1.0183	3298.314
y~AMO	West	Ann	1900-1979	0.0526	0.0516	1.327	0.000000							3227.905
With GHG	West	Ann	1900-1979	0.0732	0.0712	1.314	0.000000	1.0155					1.0155	3209.119
y~AMO	NS	Ann	1900-1979	0.0476	0.0466	1.381	0.000000							3316.572
With GHG	NS	Ann	1900-1979	0.0632	0.0613	1.37	0.000000	1.0158					1.0158	3302.864
y~AMO+AO+ ENSO	East	Sum	1900-1979	0.1344	0.1233	1.0780	0.000000	1.0942	1.0806	1.1204				720.1080
y~+GHG	East	Sum	1900-1979	0.1344	0.1196	1.0800	0.000001	1.1075	1.1349	1.1562			1.1030	722.1030
y~AMO+AO+ENSO	North	Sum	1900-1979	0.201	0.191	1.002	0.000000	1.0880	1.0725	1.1196				656.702
y~+GHG	North	Sum	1900-1979	0.284	0.272	0.951	0.000000	1.1167	1.1156	1.1660	1.1083			633.610
y~AMO+AO+ENSO +Optical	South	Sum	1900-1979	0.1611	0.1468	0.9149	0.000000	1.2944	1.0885	1.1370	1.2053			645.3595
y~+GHG	South	Sum	1900-1979	0.1789	0.1613	0.9071	0.000000	1.2967	1.1502	1.1665	1.2344		1.1294	642.2205
y~AMO+AO+ENSO	West	Sum	1900-1979	0.2151	0.2052	0.8939	0.000000	1.0939	1.0799	1.1174				633.2006
y~+GHG	West	Sum	1900-1979	0.2381	0.2251	0.8826	0.000000	1.1076	1.1334	1.1540			1.1028	628.0688
y~AMO+AO+ENSO	NS	Sum	1900-1979	0.1878	0.1775	0.9003	0.000000	1.0939	1.0799	1.1174				636.6381
y~+GHG	NS	Sum	1900-1979	0.2071	0.1936	0.8915	0.000000	1.1076	1.1334	1.1540	1.1028		1.1294	1.1076
y~AMO	East	Fall	1900-1979	0.0976	0.0938	1.1940	0.000001							763.7731
With GHG	East	Fall	1900-1979	0.0991	0.0915	1.1950	0.000005	1.0349	1.0349					765.3724
y~AMO	North	Fall	1900-1979	0.0431	0.0389	1.2600	0.001443							772.8372
With GHG	North	Fall	1900-1979	0.1149	0.1072	1.2140	0.000001	1.0438					1.0438	756.6708
y~AMO	South	Fall	1900-1979	0.0859	0.0820	1.076	0.000004							717.1394
With GHG	South	Fall	1900-1979	0.1129	0.1054	1.062	0.000001	1.0338					1.0338	711.9601
y~AMO	West	Fall	1900-1979	0.0892	0.0853	1.1110	0.000003							729.6755
With GHG	West	Fall	1900-1979	0.1069	0.0993	1.1030	0.000002	1.0333					1.0333	727.0060
y~AMO	NS	Fall	1900-1979	0.0674	0.0634	1.1120	0.000049							732.8507
With GHG	NS	Fall	1900-1979	0.0882	0.0804	1.1020	0.000019	1.0338					1.0338	729.4670

y~AMO+AO	East	Winter	1900-1979	**0.1096**	**0.1018**	**1.957**	**0.000002**	**1.0314**	**1.0314**					**970.7977**
With GHG	East	Winter	1900-1979	0.1100	0.0982	1.961	0.000007	1.0957	1.0426				1.0662	972.7063
y~AMO	North	Winter	1900-1979	**0.0192**	**0.0148**	**2.266**	**0.038980**							**997.2878**
With GHG	North	Winter	1900-1979	**0.0655**	**0.0570**	**2.217**	**0.000602**	**1.0725**					**1.0725**	**988.5635**
y~AMO	South	Winter	1900-1979	**0.0837**	**0.0797**	**1.963**	**0.000007**							**983.6089**
With GHG	South	Winter	1900-1979	**0.0972**	**0.0894**	**1.952**	**0.000007**	**1.0545**					**1.0545**	**982.1175**
y~AMO	West	Winter	1900-1979	**0.0283**	**0.0241**	**1.8280**	**0.010240**							**942.3215**
With GHG	West	Winter	1900-1979	**0.0419**	**0.0335**	**1.8190**	**0.007464**	**1.0507**					**1.0507**	**941.0629**
y~AMO	NS	Winter	1900-1979	**0.0482**	**0.0441**	**1.9450**	**0.000719**							**979.4338**
With GHG	NS	Winter	1900-1979	**0.0634**	**0.0553**	**1.9340**	**0.000516**	**1.0530**					**1.0530**	**977.6609**
y~AMO+AO	East	Spring	1900-1979	**0.0794**	**0.0716**	**1.4700**	**0.000056**	**1.0152**	**1.0152**					**871.1519**
With GHG	East	Spring	1900-1979	**0.0891**	**0.0775**	**1.4660**	**0.000063**	**1.0350**	**1.0153**				**1.0202**	**870.6043**

c) Selection of best regression statistics for all models applied to the full period (1900-2015)

Model Variables	Region	Period	Time	R2	AdjR2	ResdSE	p-value	Coll – X1	Coll – X2	Coll – X3	Coll – X4	Coll – X5	Coll – GHG	AIC
y~AMO+AO	East	Annual	1900-2015	0.0814	0.0800	1.479	< 2.2e-16	1.0039	1.0039					4997.74
y~+GHG	East	Annual	1900-2015	**0.1003**	**0.0983**	**1.464**	**< 2.2e-16**	**1.0043**	**1.0196**				**1.0163**	**4971.097**
y~AMO	North	Annual	1900-2015	0.0285	0.0278	1.658	0.000000							5188.595
y~+GHG	North	Annual	1900-2015	**0.1426**	**0.1414**	**1.558**	**< 2.2e-16**	**1.0022**					**1.0022**	**5022.277**
y~AMO+AO	South	Annual	1900-2015	0.0568	0.0555	1.415	< 2.2e-16	1.0037	1.0037					4882.645
With GHG	South	Annual	1900-2015	**0.1021**	**0.1001**	**1.381**	**< 2.2e-16**	**1.0041**	**1.0195**				**1.0164**	**4816.719**
y~AMO	West	Annual	1900-2015	0.0505	0.0498	1.394	< 2.2e-16							4829.746
With GHG	West	Annual	1900-2015	**0.1247**	**0.1235**	**1.339**	**< 2.2e-16**	**1.0006**					**1.0006**	**4719.53**
y~AMO	NS	Annual	1900-2015	0.0513	0.0506	1.422	< 2.2e-16							4898.782
With GHG	NS	Annual	1900-2015	**0.1104**	**0.1091**	**1.377**	**< 2.2e-16**	**1.0007**					**1.0007**	**4811.921**
y~AMO+AO+ENSO	East	Sum	1900-2015	0.1626	0.1553	1.109	0.000000	1.0597	1.0546	1.1032				1056.508
y~+GHG	East	Sum	1900-2015	**0.1756**	**0.1659**	**1.102**	**0.000000**	**1.0602**	**1.0793**	**1.1054**			**1.0239**	**1053.111**
y~AMO+AO+ENSO	North	Sum	1900-2015	0.1621	0.1545	1.048	0.000000	1.0580	1.0521	1.1043				987.827
y~+GHG	North	Sum	1900-2015	**0.3403**	**0.3323**	**0.931**	**< 2.2e-16**	**1.0612**	**1.0695**	**1.1054**			**1.0194**	**909.725**
y~AMO+AO+ENSO +Optical	South	Sum	1900-2015	0.1576	0.1475	0.954	0.000000	1.2603	1.0548	1.0990	1.2001			934.222
y~+GHG	South	Sum	1900-2015	**0.2902**	**0.2796**	**0.877**	**< 2.2e-16**	**1.2603**	**1.0821**	**1.0991**	**1.2117**		**1.0391**	**878.299**
y~AMO+AO+ENSO	West	Sum	1900-2015	0.1855	0.1783	0.945	0.000000	1.0593	1.0541	1.1015				948.669
y~+GHG	West	Sum	1900-2015	**0.3153**	**0.3073**	**0.868**	**< 2.2e-16**	**1.0598**	**1.0779**	**1.1035**			**1.0231**	**890.576**
y~AMO+AO+ENSO	NS	Sum	1900-2015	0.1802	0.1730	0.942	0.000000	1.0593	1.0541	1.1015				946.814
y~+GHG	NS	Sum	1900-2015	**0.2922**	**0.2839**	**0.877**	**< 2.2e-16**	**1.0598**	**1.0779**	**1.1035**			**1.0231**	**897.977**
y~AMO	East	Fall	1900-2015	0.1070	0.1044	1.176	0.000000							1092.04
With GHG	East	Fall	1900-2015	**0.1392**	**0.1342**	**1.157**	**0.000000**	**1.0209**					**1.0209**	**1081.41**
y~AMO	North	Fall	1900-2015	0.0271	0.0242	1.319	0.002356							1153.804
With GHG	North	Fall	1900-2015	**0.2012**	**0.1964**	**1.197**	**< 2.2e-16**	**1.0240**					**1.0240**	**1088.988**
y~AMO	South	Fall	1900-2015	0.0732	0.0705	1.117	0.000000							1059.444
With GHG	South	Fall	1900-2015	**0.1618**	**0.1569**	**1.064**	**0.000000**	**1.0204**					**1.0204**	**1026.775**
y~AMO	West	Fall	1900-2015	0.0709	0.0682	1.174	0.000001							1090.761
With GHG	West	Fall	1900-2015	**0.1726**	**0.1677**	**1.110**	**0.000000**	**1.0192**					**1.0192**	**1052.911**
y~AMO	NS	Fall	1900-2015	**0.0595**	**0.0567**	**1.152**	**0.000004**							1080.987
With GHG	NS	Fall	1900-2015	**0.1613**	**0.1564**	**1.090**	**0.000000**	**1.0204**					**1.0204**	**1043.449**

y~AMO+AO	East	Winter	1900-2015	0.1006	0.0952	1.951	0.000000	1.0162	1.0162					1407.634
With GHG	East	Winter	1900-2015	**0.1205**	**0.1126**	**1.932**	**0.000000**	**1.0179**	**1.0330**				**1.0171**	**1402.118**
y~AMO	North	Winter	1900-2015	0.0202	0.0172	2.359	0.010010							1493.362
With GHG	North	Winter	1900-2015	**0.0975**	**0.0920**	**2.268**	**0.000000**	**1.0000**					**1.0000**	**1468.489**
y~AMO	South	Winter	1900-2015	0.0692	0.0665	2.007	0.000001							1438.457
With GHG	South	Winter	1900-2015	**0.0822**	**0.0767**	**1.996**	**0.000001**	**1.0003**					**1.0003**	**1435.714**
y~AMO	West	Winter	1900-2015	0.0312	0.0283	1.922	0.001132							1400.87
With GHG	West	Winter	1900-2015	**0.0776**	**0.0720**	**1.879**	**0.000001**	**1.0006**					**1.0006**	**1386.345**
y~AMO	NS	Winter	1900-2015	0.0482	0.0454	1.992	0.000045							1433.174
With GHG	NS	Winter	1900-2015	**0.0793**	**0.0738**	**1.962**	**0.000001**	**1.0004**					**1.0004**	**1423.925**
y~AMO+AO	East	Spring	1900-2015	0.0875	0.0822	1.465	0.000000	1.0185	1.0185					1251.365
With GHG	East	Spring	1900-2015	**0.0974**	**0.0895**	**1.460**	**0.000000**	**1.0236**	**1.0401**				**1.0238**	**1249.567**

2.4.3. Regression models

Multiple regressions were performed on annual and seasonal temperature composites to identify the best combination of predictors (Table 2.4a).

2.4.3.1. Assessing the test period (1900-1979)

Annually, the best combination of predictor for Nova Scotia as a whole was the AMO which explained 5% of the variance (Table 2.4b). The AMO was also found to be the best combination of predictor in the North and West sub-regions explaining 3% and 5% of the variance. A combination of the AMO and AO was the best combination of predictor in the East and South sub-regions explaining 8% and 5% of the variance.

Based on the lag analysis, summer showed the highest correlations at zero lags associated with multiple indices across multiple regions (Table 2.4b). Multiple regression results for summer using natural-only indices and external forcings across all of Nova Scotia and its sub-regions showed that the highest explained variance and best fitting models included a combination of the AMO+AO+ENSO explaining 12-21% of the variance in the different regions of Nova Scotia. Collinearity was not an issue in any case based on the VIF. The results for the fall showed that the AMO was the best predictor and explained 4-11% of the variance in the different regions of Nova Scotia. During the winter, the AMO was also found to be the best predictor in all regions of Nova Scotia, except for the East sub-region where the combination of the AMO and AO was found to be the best predictor. The AMO explained 2-9% of the variance in all of Nova Scotia and its sub-regions (except for the East sub-region) while the AMO and AO explained 10% of the variance in the East sub-region. The spring season only a correlation in the East sub-region with the combination of the AMO and AO explained 7% of the explained variance.

GHG forcing was added to all annual and seasonal models to determine if the new combination improved the fit (Table 2.4b). Results showed that adding GHG forcing to natural-only models marginally increased the explained variance and slightly improved the fit of the models for most regions of Nova Scotia. Annually, the GHG forcing improved the fit of the data in all of Nova Scotia and all sub-regions by 1-6 percentage points with the exception of the East sub-region where the fit remained the same. In the summer, the East sub-region was the only region that didn’t experience an increased fit of the data resulting from adding the GHG forcing. The explained variance during that season for all of Nova Scotia and the other sub-regions saw an increase up 1-8 percentage points. The same is true during the fall and winter season where the explained variance improved by 1-7 percentage points and 1-4 percentage points respectively except for in the East sub-region where again no model improvement was seen with the addition of the GHG forcing. During the spring, the East sub-region was the only region found to be correlated with a climate index and adding GHG to that model marginally improved the fit. In general, all regions saw a slight increase in the fit of the models throughout all seasons ranging from 1-8 percentage points except for the East sub-region where the addition of the GHG forcing caused negligible changes.

2.4.3.2. Assessing the full record and prediction (1900-2015)

The annual and seasonal regression models computed for the 1900 to 1979 period were tested on the full period (1900 to 2015). Annually, the explained variances decreased slightly over the full period in all of Nova Scotia and its sub-regions. The inclusion of GHG to the full model improved the explained variance by 2 percentage points in the East sub-region and by 5-11 percentage points in all of Nova Scotia and its other sub-regions (Table 2.4c).

Similar to the annual explained variance, the seasonal values decreased slightly (or showed no significant improvement) over the full period for all regions during all four seasons (Table 2.4c). The addition of GHG to the models did improve the fit of the models to the full period. During the summer, adding the GHG forcing improved the explained variance by 11-18 percentage points for all of Nova Scotia and all its sub-regions with the exception of the East sub-region that only saw a 1 percentage point improvement. The GHG forcing improved the predictive values during the fall in all regions of Nova Scotia (with the exception of the East sub-region) by 9-17 percentage points while results were lower in the East sub-region (3 percentage points). In the winter, the explained variance improved by 1-7 percentage points in Nova Scotia with the addition of GHG to the models. The East sub-region during the spring only saw a minimal improvement of 1 percentage point. During every season, the addition of GHG didn’t improve the predictive variance by much for the East sub-region.

2.4.3.3. Model reconstruction

The addition of GHG to the natural-only models was tested to assess the accuracy of predicting the temperature variance using only natural indices versus using natural indices plus GHG (Figure 2.4). The annual natural-only models in the different sub-regions of Nova Scotia differ slightly from the natural-plus models (Figure 2.4a). The pre-1950s values show that the natural-only model predictions are slightly higher than the natural-plus model predictions for those regions. During the 1950 to 1970 time period, both models have the same prediction. Post-1970, the natural-plus model predictions increase to better reflect the temperature reconstruction for all regions of Nova Scotia. The natural-only models are incapable of predicting the warming during the end of the 20th/beginning of the 21st century while the natural-plus models manage to predict some, but not all, of the temperature variation.

The models for all of Nova Scotia and its sub-regions during the summer show similar trends in most sub-regions (Figure 2.4b). With the exception of the East sub-region, the natural-only models estimate slightly higher temperatures in comparison to the natural-plus models during the pre-1930s. Both models, for these regions, have very similar predictions during the 1930s to mid-1970s time period. The addition of the natural-plus models better represent the temperature reconstructions from 1975 to present time (for all of Nova Scotia and, the North, the South and the West sub-regions). The natural-plus models largely deviate from the natural-only models during the late 1990s and 2000s. They slightly over predict the anomalies in the North and South sub-regions during that time period while they remain identical to the natural-only models in the East sub-region. The natural-plus models, for all regions of Nova Scotia, mimic the temperature trends better than the natural-only models but fail to explain all the variance in the temperature reconstruction.

During the fall, the natural-only models estimate slightly higher temperatures in comparison to the natural-plus model during the pre-1930s (Figure 2.4c). Both models, for these regions, have very similar predictions during the 1930s to mid-1970s time period. The addition of the natural-plus models better represent the temperature reconstructions from 1975 to present time. A large deviation from the natural-only models in the 1990s and 2000s is observed in the North and South sub-regions where the natural-plus models over predict some values. Even though, the natural-plus models do fit the anomaly variance better than the natural-only models, both models seem to miss key trends.

During the winter, the natural-plus models look quite similar to the natural-only models (Figure 2.4d). A slight deviation in the 1990s and 2000s can be observed by the natural-plus models where they partly modulate the anomaly increase during that time period. However, most of the anomaly variance and trends do not appear to be captured by either model.

The natural-plus model outputted for the East sub-region in the spring looks almost identical to the natural-only model (Figure 2.4e). Both models barely manage to capture the variation in the temperature anomaly series for the spring and fail to capture the increase during the end of the 20th/start of the 21st century.

2.5. <u>Discussion</u>

2.5.1. Temperature reconstruction

2.5.1.1. Temperature reconstruction vs Berkeley reconstruction

A monthly temperature composite for the entire region of Nova Scotia was compared to Berkeley's Earth Surface Temperature data for the same region using the same base line period (1951-1980). The comparison between the two reconstructions was very similar; in fact both, reconstructions followed the same warming and cooling patterns during the study period (Figure 2.2). Berkeley does not use Environment Canada data, therefore the comparison between the two allowed the validation of the Nova Scotia temperature reconstruction.

2.5.1.2. Maritime warming rates compared to different parts of Canada

Since 1901, almost every region on the planet has experienced surface warming (Hartmann, et al., 2013). This overall global warming trend has also been taking place in Nova Scotia as well as throughout Canada. Similar to the global temperature anomalies, the warming trend in Nova Scotia has not been linear throughout the last century and has been occurring at different rates in different regions (Trenberth, et al., 2007).

In Canada, an overall warming of the landmass of 1.5°C has been observed from 1950-2010 (Vincent, et al., 2012). However, the warming throughout the country has not been equal in all regions. The North and the Arctic regions have seen the highest and fastest rate of warming in Canada (especially over the last 10 years) with an increase in surface temperatures of more than 1.5°C (Bush, Loder, James, Mortsch, & Cohen, 2014). The west is the next region of Canada to experience the highest degree of warming with an overall increase of 1.5°C since 1950 while the east/Atlantic coast has seen the least amount of warming (< 0.5°C) for the same period (Appendix 5; Trenberth, et al., 2007; Zhang, et al., 2000). The warming in Nova Scotia for that time period has also been lower than the national average (~ 0.72°C since 1950). The 2013 IPCC report has demonstrated that the difference in warming trends between the west regions and the east regions are present throughout all of North America and can be attributed to the influence of large-scale atmosphere-ocean circulation patterns (Bindoff, et al., 2013).

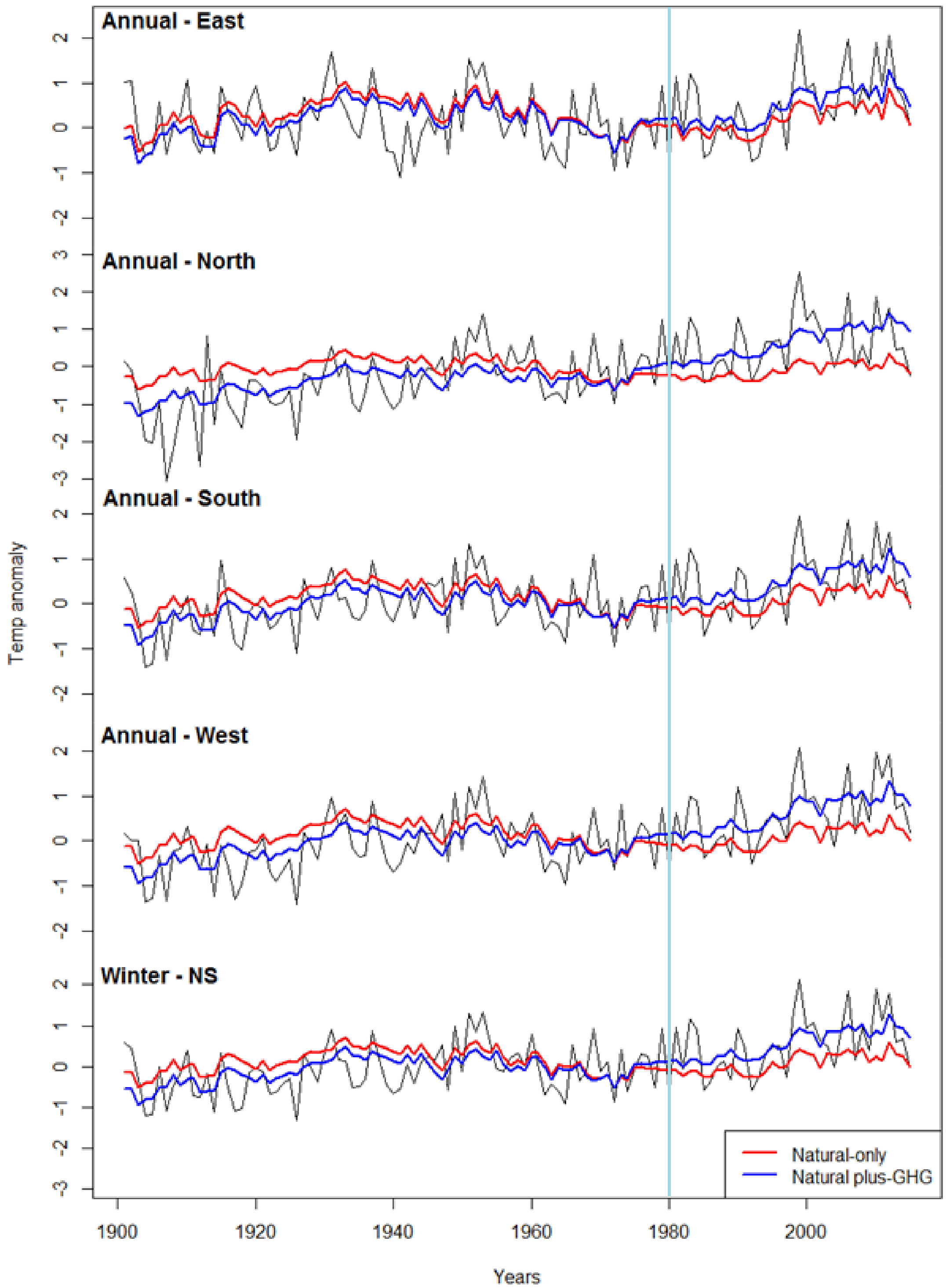
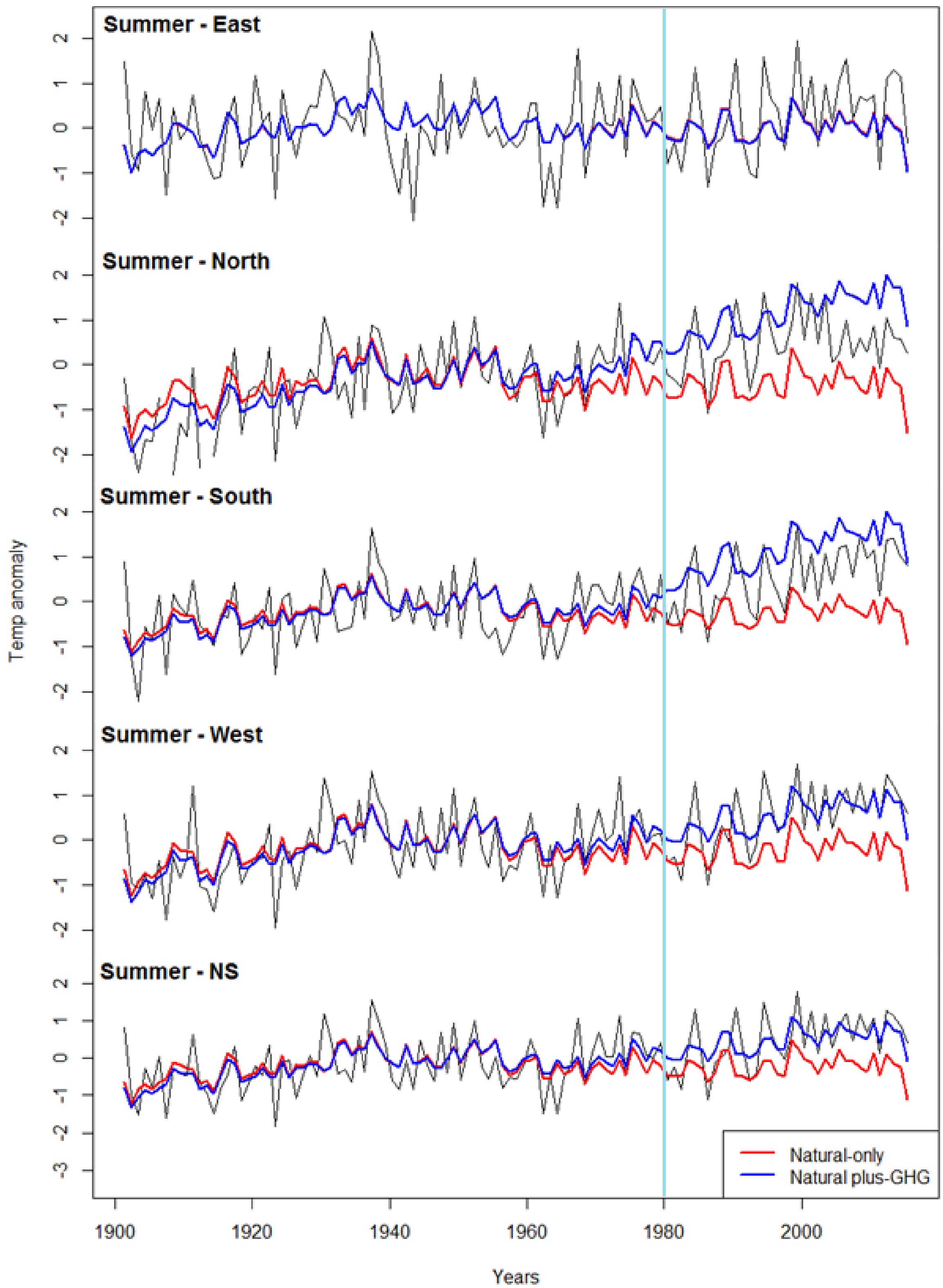
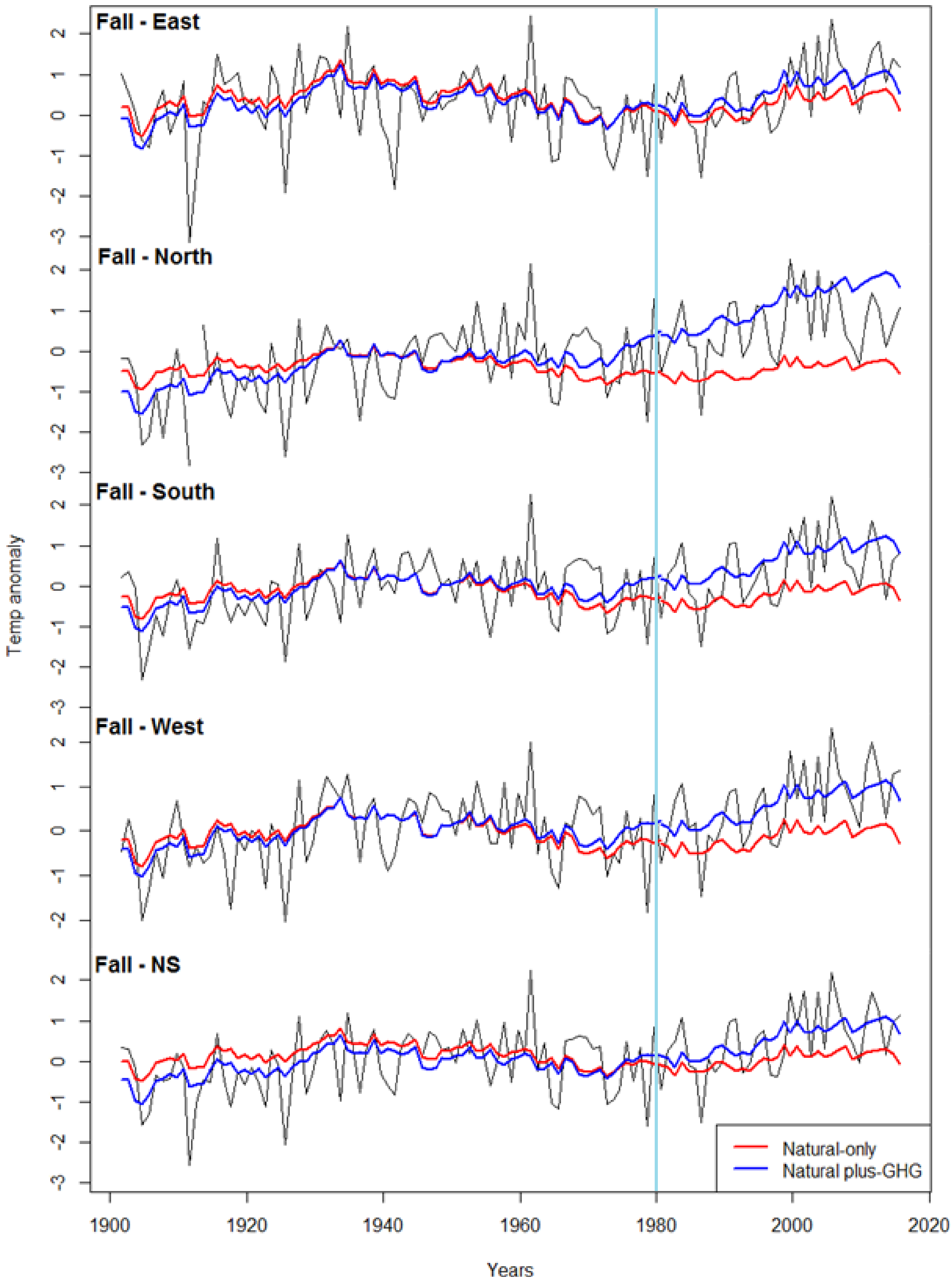


Figure 2.4: *Time series comparing observed Nova Scotia air temperatures with multiple regression natural-only and natural-plus models*

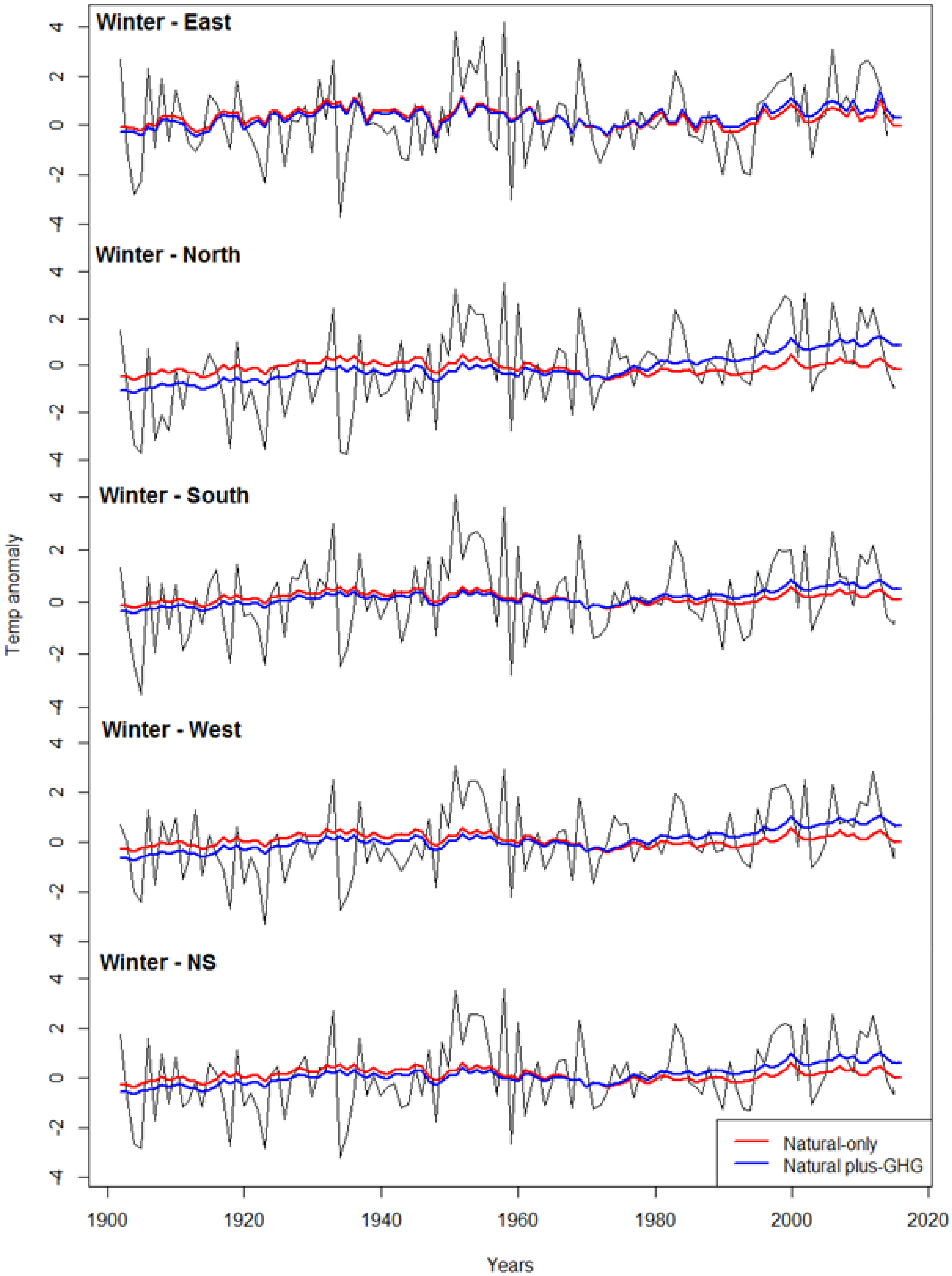
a) *Annual time series comparing observed annual Nova Scotia air temperatures with multiple regression natural-only (red) and natural-plus (blue) models.*



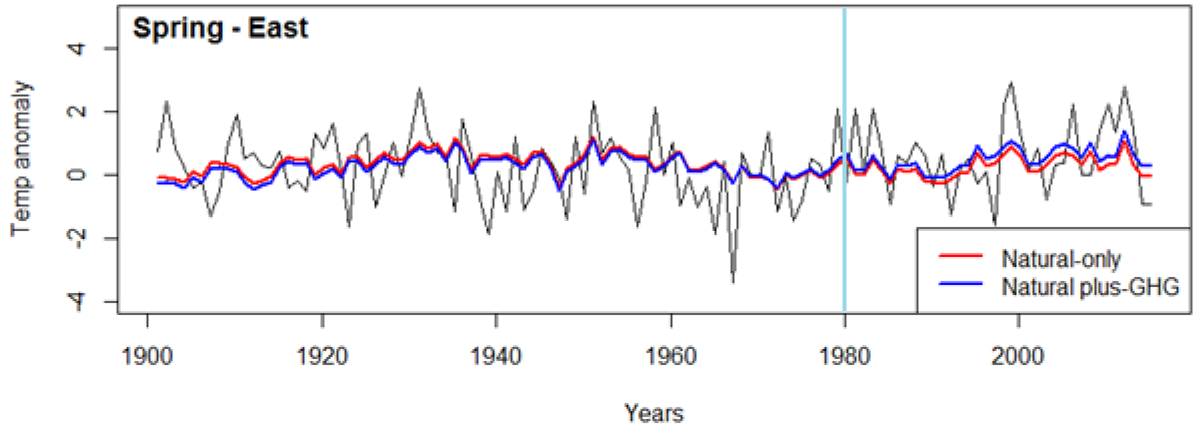
b) *Seasonal time series comparing observed summer Nova Scotia air temperatures with multiple regression natural-only (red) and natural-plus (blue) models.*



c) *Seasonal time series comparing observed fall Nova Scotia air temperatures with multiple regression natural-only (red) and natural-plus (blue) models.*



d) *Seasonal time series comparing observed winter Nova Scotia air temperatures with multiple regression natural-only (red) and natural-plus (blue) models.*



e) Seasonal time series comparing observed spring Nova Scotia air temperatures with multiple regression natural-only (red) and natural-plus (blue) models.

The national reconstructed anomaly time series for Canada have demonstrated that 2010 was the warmest year on record followed closely by 2006 and 1998/1999 (Vincent, et al., 2012). The Nova Scotia temperature anomaly reconstruction in this study is very similar to the national reconstructed time series for Canada with 1999, 2006 and 2010 all representing some of the warmest anomalous years for the region. The coldest year on record in Canada was 1972 (Vincent, et al., 2012). While 1972 represented a cold year for Nova Scotia, it wasn't the coldest year on record according to the temperature reconstruction.

Vincent et al.'s (2012) study has found that all four seasons in all regions of Canada have experienced warming. Seasonally, the greatest temperature increases have been during the winter followed by the spring season, especially in the western region of Canada (Bonsal & Shabbar, 2011). It has been observed that while the fall season doesn't show the most important warming in the western region of Canada, it does show a higher temperature increase in the Atlantic Maritimes and in the North (Appendix 6; Bush, Lodner, James, Mortsch, & Cohen, 2014). The same can be observed in this study of Nova Scotia where the most important warming over the last century and since 1950 has occurred during the winter followed by the fall seasons.

Moreover, Trenberth et al. (2007) have observed that since 1900, two warming trends have occurred in Canada: around 1915 to the mid-1940s and the mid-1970s onward. In between those warming trend, a leveling trend and a slight decrease of temperature has been observed post-1950 in some regions of the country (Hartmann, et al., 2013). A similar delayed temperature trend is observed in Nova Scotia with a warming period towards the start/middle of the 1920s until the mid to late-1950s where temperatures reached their maximum warming during the end of that period. A decrease in temperature can be observed from the late-1950s to the mid-1960s followed by a more important warming trend starting in the mid to late-1970s to the present.

2.5.2. Correlation analysis

A comparison of the Nova Scotia temperature anomalies with the climate indices and external forcings were tested on annual and seasonal timescales to determine their synoptic control. The strongest annual and seasonal relationship between the climate indices/external forcings and the temperature anomalies were found at 0 lags. The AMO, AO, NAO, and ENSO were all correlated with temperature anomalies during one or multiple timescale.

Bonsal and Shabbar (2011) have indicated that relationships between large-scale pressure anomalies and temperatures are weaker in the eastern regions of Canada. This corresponds with the results of this study where relationships between temperatures and ocean-atmospheric modes were found to be relatively weak in the region of Nova Scotia. Annually, the AMO was found to be correlated with the entire region of Nova Scotia and its four sub-regions, which agrees with Knight, Folland & Sutcaife (2006) and Knudsen et al. (2011) who indicate that North American climates are modulated by the AMO (specifically during the summer). The AO and NAO were also found to be correlated but only in specific sub-regions (in the East and South sub-regions for the AO and the East and North sub-regions for the NAO). Bonsal and Shabbar's (2011) research has demonstrated similar results where the AO/NAO have significant impacts on the northeastern region of Canada (but only impact as far into Nova Scotia as the region of Cape Breton). The ENSO, and PDO climate indices and volcanic, and solar forcings were found to be correlated but had very weak values and elevated lags.

On a seasonal times scale, this study demonstrated that selected indices were correlated on a specific time scale and were found to be more sensitive during particular seasons. The AMO was found to be correlated during the summer, the fall and the winter (and absent in the spring with the exception of the East sub-region). It was most strongly correlated during the summer agreeing with Knight, Folland & Sutcaife (2006) and Knudsen et al. (2011). The AO was found to be correlated in the summer and absent for the most part in other seasons while the ENSO was found to be correlated in the summer and the fall (with the strongest correlation occurring in the summer).

While research has shown that in North American climates, relationships between large-scale pressure anomalies and regional climates tend to be strongest during the winter (Bonsal & Shabbar, 2011), these were not the results obtained in this research paper. For the most part, the winter indices (AO and ENSO) did not appear to be correlated with the winter season for the region of Nova Scotia with the exception of the AO in the East sub-region (during the winter).

According to Bonsal & Shabbar (2011), the main climatic index in eastern Canada during the winter is the AO/NAO with correlations extending northeastward all the way to the eastern tip of the region of Nova Scotia (Cape Breton). The lack of correlation of the climate indices with winter temperatures leads to believe that many of the winter indices don't impact Nova Scotia's climate.

A reanalysis created using the Climate Change Institute Climate Reanalyzer TM software (Climate Change Institute, The University of Maine, 2016) was used to corroborate that a relationship existed between the annual temperature data (NCEP/NCAR) and the different climate indices and to visually confirm which sub-region of Nova Scotia was impacted (if at all) by those relationship (Appendix 7). The reanalysis corroborated the results obtained by this research and the literature. It also demonstrated that annually, most of the region of Nova Scotia is not correlated with the AO/NAO while surrounding regions to the north of the province are negatively correlated and regions to the south are positively correlated. This supports our results that Nova Scotia falls in a transition zone where the AO/NAO shifts from being negatively correlated to being positively correlated with temperature anomalies.

2.5.3. Assessing regression models over the full period with the addition of GHG

All annual and seasonal regression models were generated over the testing period (1900-1979). When those models were run over the full period (1900-2015), the explained variance diminished in both the annual and seasonal models. This demonstrates that the models don't fit as well over the full time period indicating a shift in temperature anomaly values during the

1980-2015 period. In this case, a shift towards warmer temperature anomalies post-1980 renders the natural-only models incapable of predicting the recent warming trend (Figure 2.4).

The addition of GHG forcing to the natural-only models over the full period improved the predictive power for Nova Scotia air temperatures both on an annual and season time scale by almost 15 percentage points in some cases. This indicates that the post-1980 warming cannot be explained by the traditionally active processes and that anthropogenic GHG forcing is modulating part of Nova Scotia's climate. Much like other research papers (Hartmann, et al., 2013; Way & Viau, 2015), the addition of GHG forcing helps to better modulate temperature reconstructions, specifically at the end of the 20th century and the beginning of the 21st century. This supports the theory that an external anthropogenic factor influences Nova Scotia air temperatures. We can therefore determine that GHG forcing is embedded in the Nova Scotia air temperatures starting in the late 1970s/early 1980s.

2.5.4. Temperature reconstruction in relation to large-scale ocean-atmospheric modes of variability and external forcing

This study demonstrates that the dominant large-scale ocean-atmospheric mode of variability that influences the mean annual and seasonal air temperatures in Nova Scotia is the AMO with the AO also contributing to part of the total variability on multiple timescales. The ENSO also has an influence on temperature anomaly values during very strong events but only during certain seasons.

Evaluating the results from the use of correlations and time series, we can associate different large-scale ocean atmospheric modes with specific climate periods. In Nova Scotia, the start of the 20th century was marked by a cooling period from 1900 to the mid-1920s. This period corresponds with a negative AMO phase occurring during the 1900s to 1920s as the main contributor of the cooling period (Knight, Folland, & Scaife, 2006). Nova Scotia's warming period from the 1930s to the end of the 1950s corresponds with the reversal of the AMO to a positive phase as the contributor of the warming. As the dominant mode of variability, the shift of the AMO phases explains, in part, the warming and cooling over these two time periods in Nova Scotia. It serves as a good indicator of the amplitude of the warm and cold periods under natural conditions during the past century. The start of the 1960s to the end of the 1980s represents a transition period for Nova Scotia where no important warming or cooling is observed (Morgan, Drinkwater, & Pocklington, 1994). During that time period, the AMO starts shifting into a cold phase (negative AMO) at the start of the 1960s that lasts until the end of the 1980s. At the same time, the AO index, which is correlated negatively with certain sub-regions of Nova Scotia, is in a negative trend. During a positive AO phase, the jet stream is stronger and blocks the cold Arctic air from entering the mid-latitudes; it also keeps Greenland, Newfoundland and Labrador, and a small part of Nova Scotia (mainly Cape Breton Island) colder while the opposite is true during a negative AO phase (Nagato & Tanaka, 2012). During the 1960s, the shift towards cooler temperatures associated with the AMO is partially offset by the shift towards warmer temperatures of the negative AO phase. As the AO starts increasing towards a positive trend at the start of the 1970s (Tanaka & Tamura, 2016), it starts to decouple with the AMO that is in turn starting to increase towards a warming trend which continues to partially offset the warming temperatures. In the early 1990s, the rapid shift towards warming temperatures in Nova Scotia can be explained in part by the positive AMO values as well as the amplifying effect of the decreasing AO values (currently in a positive trend). As of recently, there have been question on whether the positive AMO trend is ending, which could ultimately slowdown the current warming trend or even lead to a colder temperature anomaly trend in Nova Scotia (Di Liberto, 2017). It will take several more years to determine if the recent high-activity era is over and what effects this will have on Nova Scotia's climate.

Even though some researchers (Shindell, Miller, Schmidt, & Pandolfo, 1999) think that the AO could be one of the causes leading to this unprecedented warming, it has been demonstrated by Tanaka & Tamura (2016) that this is not the case. Since the AO is only correlated with certain sub-regions of the province, it cannot explain the unprecedented warming over the last few decades for all of Nova Scotia. Therefore, it can be said that the current observed warming in the Nova Scotia temperature anomalies since the 1980s cannot be completely explained by traditional natural-only influences. It demonstrates that additional factors influence the temperatures of the most recent warming of the late 20th century/ early 21st century.

2.5.4.1. Recent anomalous years

The year 1999 represented the warmest year on record for Nova Scotia according to the reconstructed annual temperature composite. The sea surface temperatures around Nova Scotia and subsurface waters on the northeastern Scotian Shelf were 2 to 6°C warmer than normal for most of the year (DFO, 2000). The NAO index was high in 1999 however past studies from Drinkwater et al. (1996) had shown that those conditions were conducive to bringing cold air to Greenland, Newfoundland and Labrador but were uncorrelated with the region of Nova Scotia. According to Drinkwater, Pettipas and Petrie (2000), the warm conditions in 1999 (especially in the winter) were due to the abnormally warm southerly winds caused by the extended influence of the Azores High.

The year 2010 also represented an extremely warm year for the region of Nova Scotia, especially during the winter and spring seasons. The sea surface temperatures were warmer than normal around Nova Scotia and on the eastern Scotia Shelf (Petrie, Pettipas, & Hebert, 2011). Sea ice in the Labrador Sea, Gulf of St. Lawrence and Northumberland Strait were the lowest ever observed in 40 years of record keeping (Environment Canada, 2013). According to Stroeve, et al. (2011), winter 2009/2010 was characterized by an extreme AO phase. The extremely negative phase of the AO and positive phase of the AMO led to a combination of an extremely high temperature anomaly for the region of Nova Scotia. However, Way and Viau (2015) indicate that it is important to attribute part of the extensively warm anomaly to anthropogenic warming. Without the influence of the GHG forcing, the magnitude of the warming would have been attenuated.

2.5.4.2. Recent warming slowdown from the 1990s rate of warming

The warming rate in the 1990s was unprecedented (National Oceanic and Atmospheric Administration, 2005b). Even though temperature anomalies are presently still on the rise, it's possible to observe in the annual Nova Scotia temperature anomaly reconstruction that the rate of warming since 2000 seems to have slightly slowed down in comparison to that of the 1990s. The warming rate of 2000 to present isn't quite as important as the one in the 1990s. This period of slowdown has been referred to as the "big hiatus" by Fyfe et al. (2016). However, there is much debate about this hiatus or slowdown in the literature (Easterling & Wehner, 2009; Fyfe et al., 2016; Karl et al., 2015; Trenberth K. E., 2013; Wehner & Easterling, 2015). Karl et al. (2015) have stated that the 15 year study period is too short to determine the existence of the trend. The IPCC (2013) has outlined that some residual data biases in the modern era could be responsible for muting part of the recent warming (Bindoff, et al., 2013). Additionally, the exceptionally warm El Niño year of 1998 (at the start of the trend) was an outlier from the continuing temperature trend, and led to the appearance of a hiatus in subsequent years (IPCC, 2013). Furthermore, the recent improvements in the observed records and additional years of global data have now led to believe that the hiatus in global warming does not exist (Karl, et al., 2015).

2.5.5. Total explained variance

Even though large-scale ocean-atmospheric modes of variability and external forcings do play some role in determining the warm and cold periods observed in Nova Scotia's reconstructed temperature anomalies, the total explained variance for the region is low. About 11% of the variance is explained annually with the natural-plus model for all of Nova Scotia. This puts into question why this region is so weakly modeled by ocean-atmospheric modes. Similar studies of the Atlantic region of Canada such as Way and Viau (2015) found that the temperature anomalies in the Labrador region were highly sensitive to natural oceanic and atmospheric modes and explained 65% of the temperature anomalies (AMO+AO+ENSO+GHG). A similar combination of climate indices was found to modulate part of Nova Scotia's climate but has a lower explained variance than in the Labrador region.

On a seasonal time scale, summer's predictive values are higher than the annual explained variance with the natural-plus model explaining about 28% of the variance. Values in the fall and winter are lower (7-8%) while the spring models don't seem to be modulating climate at all. This again puts into question why the region is so poorly modulated by the climate indices, specifically during the winter, the time when relationships between ocean-atmospheric modes and the regional climate should be the strongest (Bonsal & Shabbar, 2011). It appears that the winter atmospheric modes simply don't impact the climate and are absent during those times. The explained variance in the summer is more important as it appears that summer indices are the important contributors for climate variability in Nova Scotia.

The low explained variance results for many indices and sub-regions make it a bit more difficult to understand and interpret the complete regional variability of Nova Scotia. Even with the addition of the GHG forcing to the natural-only models, there are still notable differences in the Nova Scotia temperature composites that are not reproduced by both natural-only and natural-plus models. This leads to believe that factors other than ocean-atmospheric modes and anthropogenic forcings are responsible for the climate variations in this region and more research needs to be done to find out what those are.

2.5.5.1. Other potential factors responsible for climate variability in Nova Scotia

According to Davis and Browne (1997f), Nova Scotia's climate is modulated by multiple factors which include: the prevailing winds, the interaction between major air masses and the influence of the ocean.

The horizontal and vertical movements of ocean water caused by winds and differences in water density (resulting from varying water temperature and salinity) can have an important impact of the global climate (Davis & Browne, 1997f). This ocean circulation is referred to as the Thermohaline Circulation and is responsible for the heat transport northward into the North Atlantic (Vellinga & Wood, 2002). Without this conveyor belt-like circulation, it's estimated that air temperatures could be up to 9°C warmer in some regions in the North Hemisphere (Vellinga & Wood, 2002). A change in the strength of the Thermohaline Circulation could lead to some important variability in Nova Scotia's climate. Evidence of this was seen when a sudden freshwater increase in the late-1960s/1970s led to the Great Salinity Anomaly that caused a slowdown in the Atlantic Meridional Overturning Circulation (AMOC; de Jong and de Steur, 2016) which according to Zhang and Vallis (2005) caused anomalous warming off the east coast of Nova Scotia in the 1970s. Desler and Blackmon (1993) also suggest that a shift in the Gulf Stream may have been responsible for the warming trend in the 1920s and 1930s.

Recent studies have found that the AMOC has slowed down quite significantly (Jackson et al., 2016; Rahmstorf et al., 2015). Evidence shows that this slowdown is responsible for an important cooling in the North Atlantic region (Rahmstorf, et al., 2015). A slowdown of the AMOC can affect the advection of heat and salt into the Labrador Sea (Jackson, Peterson, Roberts, & Wood, 2016) which can then affect in part the temperature off the coast of Nova Scotia. According to Saba et al.'s (2016) research, a CO_2 doubling could lead to an even more important slowdown of the AMOC which would lead to an increase in water temperature on the Northwest Atlantic shelf at three times the rate of the global warming average. This leads to believe that changes in ocean circulation patterns could be responsible in part for some of the climate variability in Nova Scotia but more research needs to be done on this topic to see to which extend it does impact the region's climate.

2.5.6. Cape Breton

Throughout this analysis, Cape Breton has been an interesting area of study. The inclusion of GHG forcing to the natural-only model for the full time period of 1900-2015 has had little amount of improvement on the predicted power for all seasons (only a 1-3 percentage point improvement). On a seasonal time scale, almost every other region in Nova Scotia saw a model improvement ranging from 8-18 percentage points with the addition of the GHG forcing. The same is true annually with a predictive variance increase by only 2 percentage points for the region of Cape Breton compared to 5-11 percentage points in the other sub-regions.

There hasn't been an extensive amount of research done focusing on Cape Breton's present day climate. In general, the region of Cape Breton is incorporated in studies as part of a larger region such as Nova Scotia or the Maritime region of Canada. This makes it hard to evaluate why this sub-region's sensitivity to GHG varies from the other sub-regions of Nova Scotia (in regards to the added explained variance GHG forcing adds to the models).

The northern section of the Cape Breton region is dominated by highlands (Cape Breton highlands) which slope steeply down to a flat plateau. The highland plateau is much higher in elevation than the Nova Scotia mainland at about 400 meters above sea level (Parks Canada, 2009). The local geography of the region leads to the formation of important winds, referred to as "les Suêtes", that can have significant impacts on the regional climate (Savard, van Proosdij, & O'Carroll, 2016). Perhaps some of these geographical differences of Cape Breton from the mainland of Nova Scotia are responsible for the variation in response to anthropogenic forcing of this region.

The island's location in relation to large bodies of water differs slightly from the rest of Nova Scotia. Cape Breton Island is the only sub-region of Nova Scotia to be in contact with the St. Lawrence Circulation as well as the Labrador Current (Davis & Browne, 1997f). In contrast, the north sub-region is somewhat shielded from the of St. Lawrence circulation by Prince Edward Island and is instead, in direct contact with the Northumberland Strait while the south and west sub-regions are influenced by their proximity to the Nova Scotian Current and the Atlantic Ocean (Davis & Browne, 1997f).

Perhaps the influences from these unique factors impact the region of Cape Breton differently. However, even with the region's low response to GHG forcing, impacts from recent climate change caused by anthropogenic forcings (such as higher seas, violent storm, coastal erosion and more) can already be observed around this region (Savard, van Proosdij, & O'Carroll, 2016). Additional research needs to be done to determine why anthropogenic forcings are impacting this sub-region at a different rate than the other sub-regions of Nova Scotia.

2.6. Conclusion

This study demonstrates that Nova Scotia's air temperatures have some degree of sensitivity to ocean-atmospheric modes of climate variability, external forcings and anthropogenic forcings. Annually, the ocean-atmospheric mode of variability responsible for modulating part of the Nova Scotia climate is the AMO with a contribution from the AO. Along with the AMO and AO, the ENSO is also found to be partly responsible for modulating part of Nova Scotia's climate seasonally (summer). Over the last century (1900-2015), Nova Scotia's mean annual air temperatures have increased by 0.68°C with a rapid temperature increase towards the end of the 20th century and start of the 21st century. The 1990s, 2000s and 2010s represent some of the warmest years on record since record keeping began. The multivariate regression models were able to reproduce some of the warming during the 1930s to 1950s however, the recent accelerated warming (post-1980) exceeds the maximum plausible warming due to natural contribution of the ocean-atmospheric modes of variability which suggests other factors are partially responsible. When including anthropogenic GHG forcing to the natural-only models, this study found that the predictive capabilities of the natural-plus models were able to better predict the recent warming. Annually, the natural-plus models explained up to 11% of the temperature variance while the best seasonal model explained up to 28% of the temperature variance (summer). Even with the addition of the anthropogenic GHG forcing, the ability to reproduce annual and seasonal temperature variations remains low. The winter season, (the season where the relationships between ocean-atmospheric modes are the strongest in other regions) was found to have very low modulating capabilities in Nova Scotia's climate. This leads us to believe that winter indices aren't correlated with the region's climate. It also leads to believe that Nova Scotia is located in a transition zone where the ocean-atmospheric modes shift from being positively correlated to negatively correlated, leaving Nova Scotia with no real correlation to the different modes. These results aid in a better understanding of large-scale ocean-atmospheric modes, external and anthropogenic GHG forcing. It also contributes new knowledge to improve regional climate modelling for this region as well as help prepare for ongoing impacts from future climate change.

Chapter 3 – Thesis summary

In this study, the influence of large-scale ocean-atmospheric modes of variability and external forcings on Nova Scotia's climate on inter-annual to multi-decadal timescales was analyzed using a temperature composite derived from a combination of homogenized and non-homogenized meteorological data. Various combinations of correlated ocean-atmospheric modes and external forcings were included into multiple multivariate models in order to determine which combination could best replicate Nova Scotia's temperature anomalies since 1900. The evidence of change in Nova Scotia's climate supporting a dominant GHG forcing over the last few decades was also studied using a series of natural-only versus natural-plus (including GHG) models to determine if adding an anthropogenic factor helped better reflect the rapidly increasing temperature anomalies in Nova Scotia since the 1980s.

Nova Scotia's air temperature is found to have some degree of sensitivity to ocean-atmospheric modes of climate variability and external forcings. Annually, the region of Nova Scotia is found to be impacted by the AMO as well as some contributions of the AO in some sub-regions. As a whole, about 5% of Nova Scotia's annual temperature anomalies can be explained by the AMO, where it explains roughly 3-5% of the North and West sub-regions' anomalies. Part of the South and East sub-regions' annual temperature anomalies (6-8%) can be explained by a combination of the AMO and AO. Seasonally, summer is found to be the period most impacted by large-scale pressure anomalies. During the summer, the AMO, AO and ENSO indices are the best combination to predict temperature anomalies (15-18%) over the last century. The fall season's temperature anomalies are best replicated with the AMO, explaining roughly 6-10% of the climate variability, with the exception of the North sub-region where it explains 2%

of the variability. The winter season's temperature anomalies are also best explained by the AMO, but aren't as highly correlated as during the fall. About 2-7% of the climate variability during the winter is explained by the AMO for all regions of Nova Scotia with the exception of the East sub-region where the combination of the AMO and AO best explains the temperature variability (10%). Lastly, during the spring season only the East sub-region's temperature anomalies can be explained by the combination of the AMO and AO (8%) while the rest of the sub-regions' temperature anomalies aren't modelled by these atmospheric climate modes.

Over the last century, some warming and cooling periods have occurred in the region of Nova Scotia and can be explained in part by the shifting modes of large-scale pressure anomalies. However, post-1980 an accelerated rate of warming has been occurring and cannot be explained by the influence of large-scale pressure anomalies only. This study explored the inclusion of anthropogenic GHG to the climate models and results indicate that models with an added GHG component are able to better represent the actual temperature anomalies than models without a GHG component. The inclusion of the anthropogenic GHG forcing to the annual and seasonal models improves their predictive power (fit) by as much as 28 percentage points for different regions of Nova Scotia. This demonstrates that the current accelerated rate of warming in Nova Scotia since 1980 can only be explained by the increasing anthropogenic GHG in the atmosphere.

3.1. <u>Difficulties and limitations</u>

The results of this study were quite interesting but at times difficult to evaluate and explain. Annually, ocean-atmospheric modes of climate variability were found to have a low degree of influence (5%) on the region of Nova Scotia. The low sensitivity of the temperature anomalies to the climate indices indicates that other factors are also responsible for controlling the region's climate. These results for the region were a bit surprising considering that similar studies for regions in close proximity to Nova Scotia had much higher levels of sensitivity (for example the study of Way and Viau (2015) where ocean-atmospheric modes of variability explained 33% of the annual climate variability for the region of Labrador over the last century). Similar results were expected for this study, however large differences in expected results made the explanation for this more challenging.

The results from the seasonal analyses of the impact of ocean-atmospheric modes of variability and external forcings on Nova Scotia's temperature anomalies were also interesting but at times difficult to evaluate and explain. The summer (and the fall) seasonal temperature anomalies demonstrated some degree of sensitivity to large-scale atmospheric and oceanic modes of variability while the winter and spring seasonal temperature anomalies had lower degrees of sensitivity or no sensitivity at all (in certain sub-regions). These findings were a bit surprising and different from the expected results considering that in Canada, relationships between large-scale atmospheric and oceanic oscillations and climate are strongest during the cold season (Bonsal & Shabbar, 2011). The overall findings, where large-scale atmospheric and oceanic oscillations had the strongest relationship with the Nova Scotia climate during the warm season whereas that winter ocean-atmospheric modes didn't really model the climate, differed from expected results and made for a more challenging approach explaining the processes impacting Nova Scotia's climate over the last century.

Some of the limitations for this research paper were due to the lack of literature and research for this topic specifically focusing on Nova Scotia. Studies focusing on large-scale atmospheric and oceanic modes of variability and their impact on climate are becoming more common; however, this type of research has never been specifically focused on this region. Since this study focused solely on the region on Nova Scotia the lack of existing background information for the region made it difficult to confirm or refute some of the findings.

Perhaps, one of the biggest limitations of this study was the multiple testing problem which occurs during simultaneous testing of more than one hypothesis (Romano, Shaikh, & Wolf, 2010). Without testing for multiplicity, there's a high probability of obtaining at least one significant result due to chance (false positive; Bender & Lange, 2001). Throughout this research, we did not test for multiplicity as we assumed that using the standard p-value cut-off of 0.05 was sufficient since we were testing mechanisms known to influence the climate that have been verified by the literature. In order to correct this, the use of the Bonferroni correction in regression, one of the simplest methods to adjust for multiple testing, was suggested. This correction method helps guard against the bias of simultaneous testing effects by adjusting the test for significant effects depending on the amount of repeated analyses and therefore reduces the chances of obtaining false-positives (Armstrong, 2014). The issue with the Bonferonni correction is that it is too conservative when looking at the correlation between the temperature composites and the large-scale ocean atmospheric modes of variability/external forcings. It ignores dependencies among the data and can lead to a high rate of false negatives (Bender & Lange, 1999). Research from McShane, Gal, Gelman, Robert, & Tackett (2017) suggests that instead of focusing on whether or not a single comparison surpasses a certain p-value, we should instead look at the totality of the data and results by discussing aspects of the results that support the proposed mechanism and those that are in conflict with it. For future research, the totality of the data and results should be scrutinized more closely in order to address issues regarding multiplicity.

Another limitation of this study was the assumption of linear relationships between the temperature composites and the large-scale ocean atmospheric modes of variability/external forcings. Using a multiple linear regression analysis forces us to make several assumptions, which include: linear relationship between the dependent and the independent variables, multivariate normality, no multicollinearity and homoscedasticity (Poole & O'Farrell, 1971). This study presents the results under the assumption of linearity; however, this might not always be the case. Evidence has been shown in Pozo-Vázquez, Esteban-Parra, Rodrigo and Castro-Díez's (2001) research paper that suggests that temperatures in certain study areas don't vary in linear fashion with respect to the phases and intensity of the ocean-atmospheric modes of variability. In the case of this study, the linearity assumption wasn't tested and the relationship between the temperature composites and the large-scale ocean atmospheric modes of variability/external forcings were instead assumed to be linear. Jarque and Bera (1980) state that these conditions should be tested instead of assuming their validity since it could lead to inaccurate statements about the data. Should this research be reproduced, the verification of linearity should be evaluated to determine if using a multiple linear regression analysis is the best approach. If data is found to have a non-linear relationship, the wavelet transformation (Kaiser, 1994), a method used in multiple studies analyzing time series and dominant modes of variability (Foufoula-Gerogiou and Kumar, 1995; Huang, Higuchi and Shabbar, 1998; Lau and Weng, 1995; Wang & Wang, 1996; and Yiou, Baert and Loutre, 1996) should be further evaluated.

Lastly, the Modifiable Areal Unit Problem (MAUP) and the Modifiable Temporal Unit Problem (MTUP) were also found to be limitations of this thesis. The MAUP and MTUP are similar to one another in the sense that they are both sources of statistical bias that can significantly impact the results of statistical hypothesis tests (Cheng & Adepeju, 2014). The MAUP consists of two components known as a grouping or zoning problem (by changing the grouping of the areal units at the same spatial scale) and a scale or aggregation problem (by changing the spatial resolution of the data or subdividing aerial units into smaller areal units; Wong, 2004; Yang, 2005). These components can introduce strong biases to the interpretation of the statistical hypotheses and according to Çöltekin et al. (2011), can even produce false negatives or positives. The MTUP, a problem that is often times largely ignored in comparison to the MAUP, consists of three aspects: issues of temporal aggregation, issues of segmentation and issues of boundary effects (Cheng & Adepeju, 2014). These problems can lead to misjudgements of the temporal trends in the data and are often overlooked (de Jong & de Bruin, 2012). The MAUP and MTUP should have been explored thoroughly throughout this research project but were not addressed. Due to the nature of this study area (as a small Canadian province and the region's division into smaller sub-regions) the issues of the MAUP need to be considered. The division of the region into smaller subdivisions, somewhat arbitrary in nature, produce results that could be modified if changes were made to the boundaries of the sub-regional zones. Furthermore, the scale of this study (on a regional and national level) should be considered when drawing conclusions since any changes in aggregation could once again lead to different results during regional evaluations. On a temporal level, the selection of the timescales denotes an arbitrary line drawn that could result in misjudgement of temporal trends in the data. Selecting a different arbitrary time period (i.e. different selection on months for the seasonal evaluation) could ultimately change the obtained results and conclusions of this study. Both the MAUP and

MTUP are long standing problems that arise in the science of geography that many have tried fix or mitigate but these problems can't completely be corrected (Butkiewicz, et al., 2010). Many different methods have been suggested in order to mitigate some of the MAUP such as the one proposed by Haynes, Daras, Reading, and Jones (2007) that recommends creating a geographical structure with zoning units that contain a high internal homogeneity while containing a high external amount of heterogeneity. Butjiewckz et al. (2010) propose a different method to evaluate the MAUP by comparing regions to one another by evaluating the differences in statistical distributions within the various dimensions and looking for outliers with deviations that could be problematic to the final analysis. In regards to mitigating the MTUP, Çöltekin et al. (2011) state that there is no standard way to deal with temporal unit problems while Harrower, MacEachren, and Griffin (2000) suggest visualizing the data in order to study the behavior that sometimes can only be seen in a certain resolution of time and selecting the appropriate scale of detail for the study. Perhaps one of the most important steps is identifying that a problem does exist and determining what type of impacts the MAUP and MTUP have on the study. Without the evaluation of the impacts of these problems, we are unable to fully determine if part of the low sensitivity results for the region may be due in part to the selection of inappropriate spatial and temporal structures for analysis. Any further research on this topic would require a more detailed evaluation of both the modifiable aerial and temporal unit problems as well as a better understanding of how these problems impacts the relationship between the temperature composites and the large-scale ocean atmospheric modes of variability/external forcings for this study area.

3.2. <u>Future work</u>

More research should be done in this region to see if results from the study can be replicated on the same time scale as well as on different time periods while trying to address some of the limiting factors that weren't addressed during this study.

The lack of knowledge and literature regarding this research topic for the region of Nova Scotia is exactly the reason why more research should be done in this field, specifically for this region. With such a low level of sensitivity (annually) to ocean-atmospheric modes of variability and external forcings, additional research into this could help determine what other factors impact Nova Scotia's climate. Evaluating different sources responsible for climate variability, other than ocean-atmospheric modes of variability and external forcings, could give a better insight into the region's climate sensitivity.

Furthermore, ongoing climate change could have an impact on how large-scale pressure anomalies and external forcings interfere with the region's climate. With the ever increasing amount of anthropogenic GHG being emitted into the Earth's atmosphere, only time can tell how this increase will impact Nova Scotia's climate. Since this research established that the increasing rate of GHG in the atmosphere has contributed to the warming of Nova Scotia temperatures post-1980, re-evaluating its impact on the region in the next few decades could prove interesting. More research on this front – how anthropogenic GHG impact's the region of Nova Scotia's climate and all its aftermath effects – could lead to a better understanding and perhaps better insights on how to protect the region in the future.

3.3. <u>Importance of this research</u>

This type of research is important as it provides an extensive and regionally focused study on the impacts of large-scale ocean-atmospheric modes and external forcings on climate on different time scales for the specific region of Nova Scotia. Researching the impacts of different climate modes and external forcings on a regional level helps to paint a more accurate regional picture of Nova Scotia.

This research can help us understand some of the driving factors that assist in partially modulating Nova Scotia's climate on different temporal scales. With this knowledge, better forecast models can be developed by establishing which climate indicators cause warmer and colder temperature anomalies. These models can help forecast better seasonal and long term trends in the region and give insight into future climate change for the region of Nova Scotia.

This study also helps to acknowledge the existence of recent climate change caused by anthropogenic forcings. Due to the fragility of the Atlantic coast, recent climate change impacts such as: increases in temperatures, precipitation, extreme events, floods, droughts, heat waves, cold waves, relative sea level, storm surges and others are already evident (Trenberth, et al., 2007). These events are expected to grow in frequencies and will therefore have direct and indirect impacts on human health as well as on Canada's economic sectors, specifically sectors with obvious climate sensitivities such as forestry, agriculture, fishery, hydroelectricity, transportation, tourism and insurance (Warren & Lemmen, 2014). The more we learn and research these driving factors behind climate change, the better we can prepare and help mitigate some of the impacts it will have on Nova Scotia's environment.

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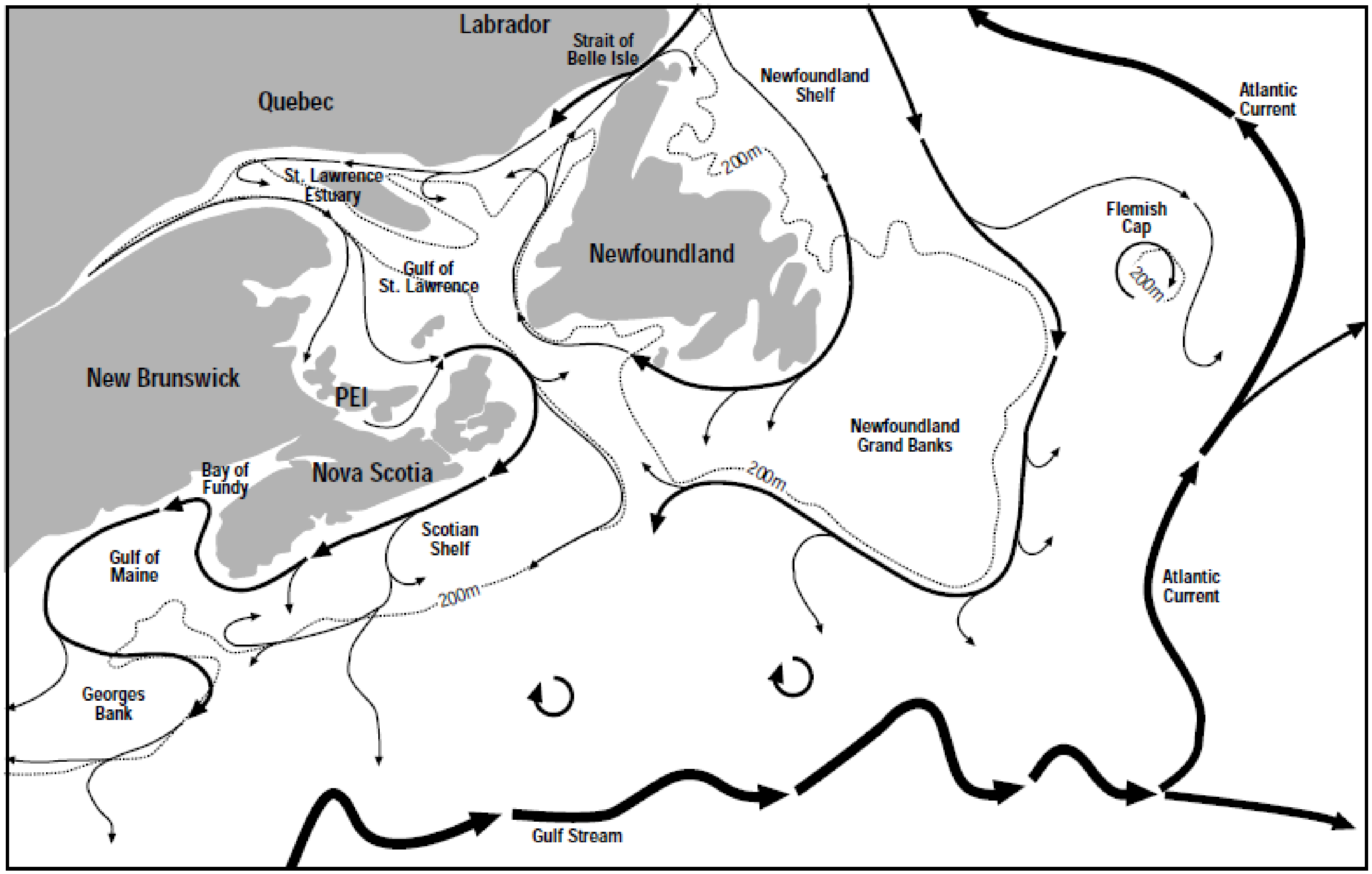
Appendices

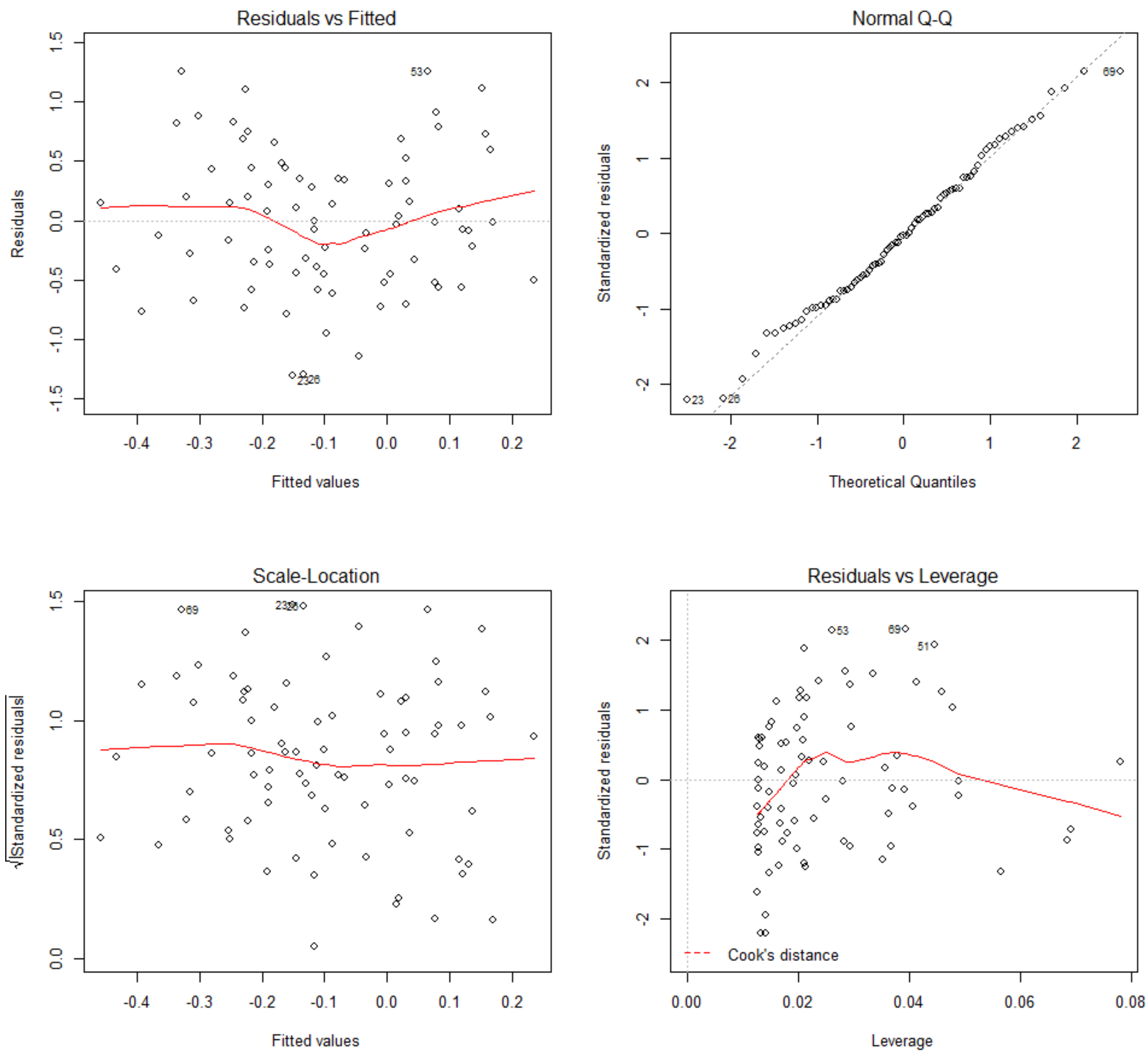
Appendix 1: *Major currents off the coast of Nova Scotia*



Source: Davis & Browne (1997f)

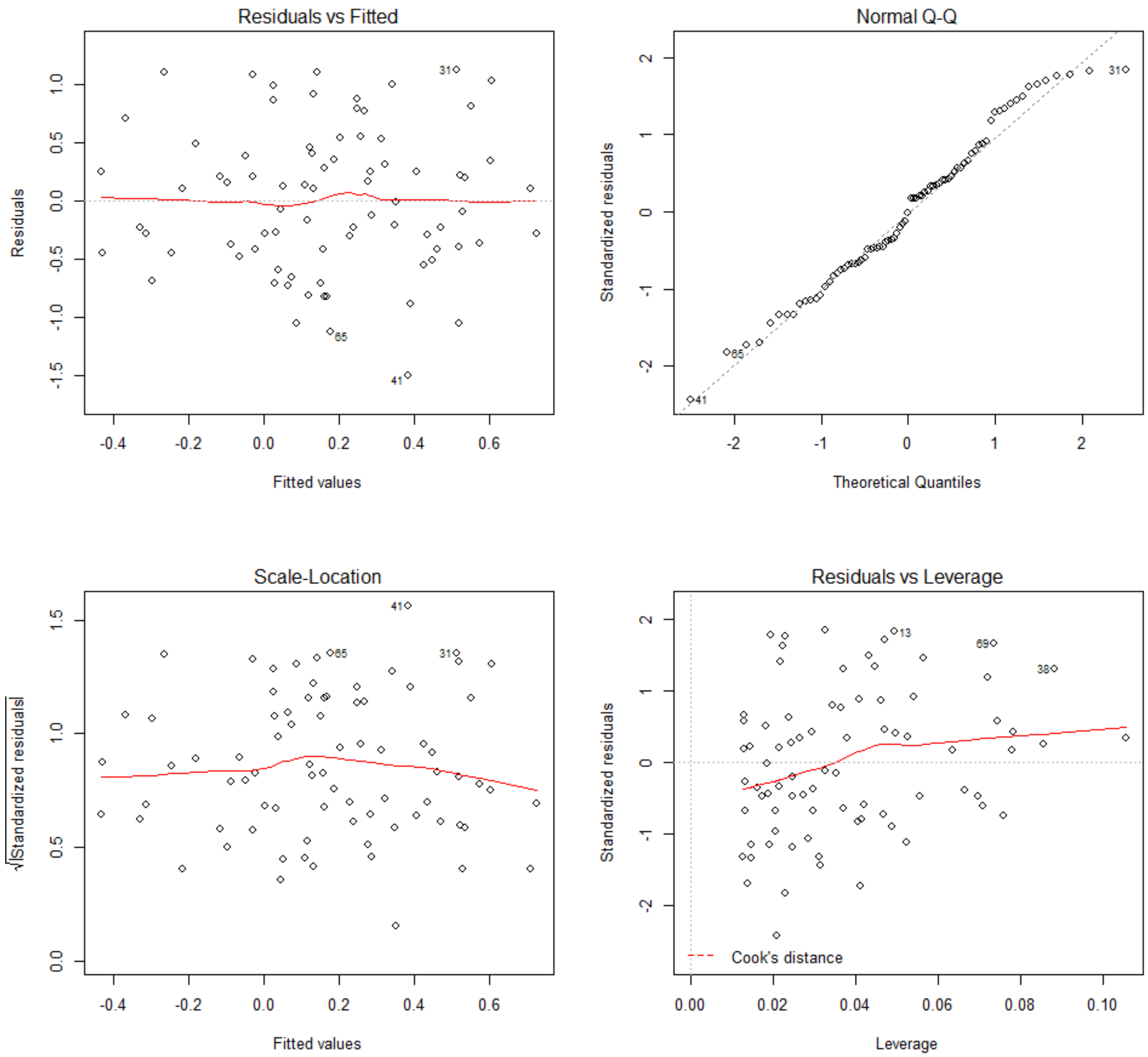
Appendix 2: *Residual plots for the selection of best regression models during the training period (1900-1979)*

a) Annual – Nova Scotia plots (Nova Scotia~AMO)
From left to right 1) Residual vs. Fitted plot, 2) Normal Q-Q plot, 3) Scale-Location plot, and 4) Residual vs. Leverage plot



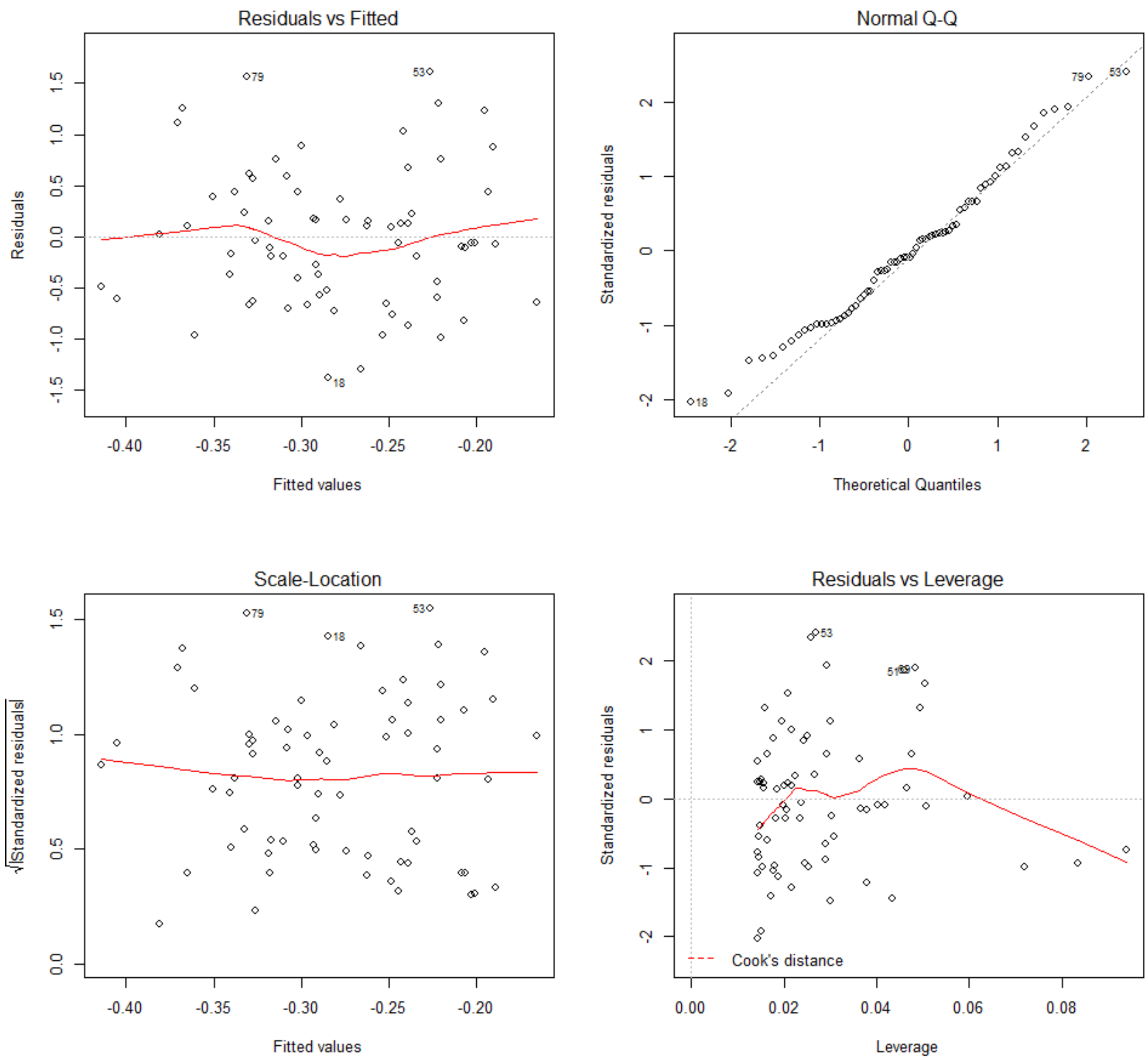
b) Annual – East sub-region plots (East~AMO+AO)

From left to right 1) Residual vs. Fitted plot, 2) Normal Q-Q plot, 3) Scale-Location plot, and 4) Residual vs. Leverage plot



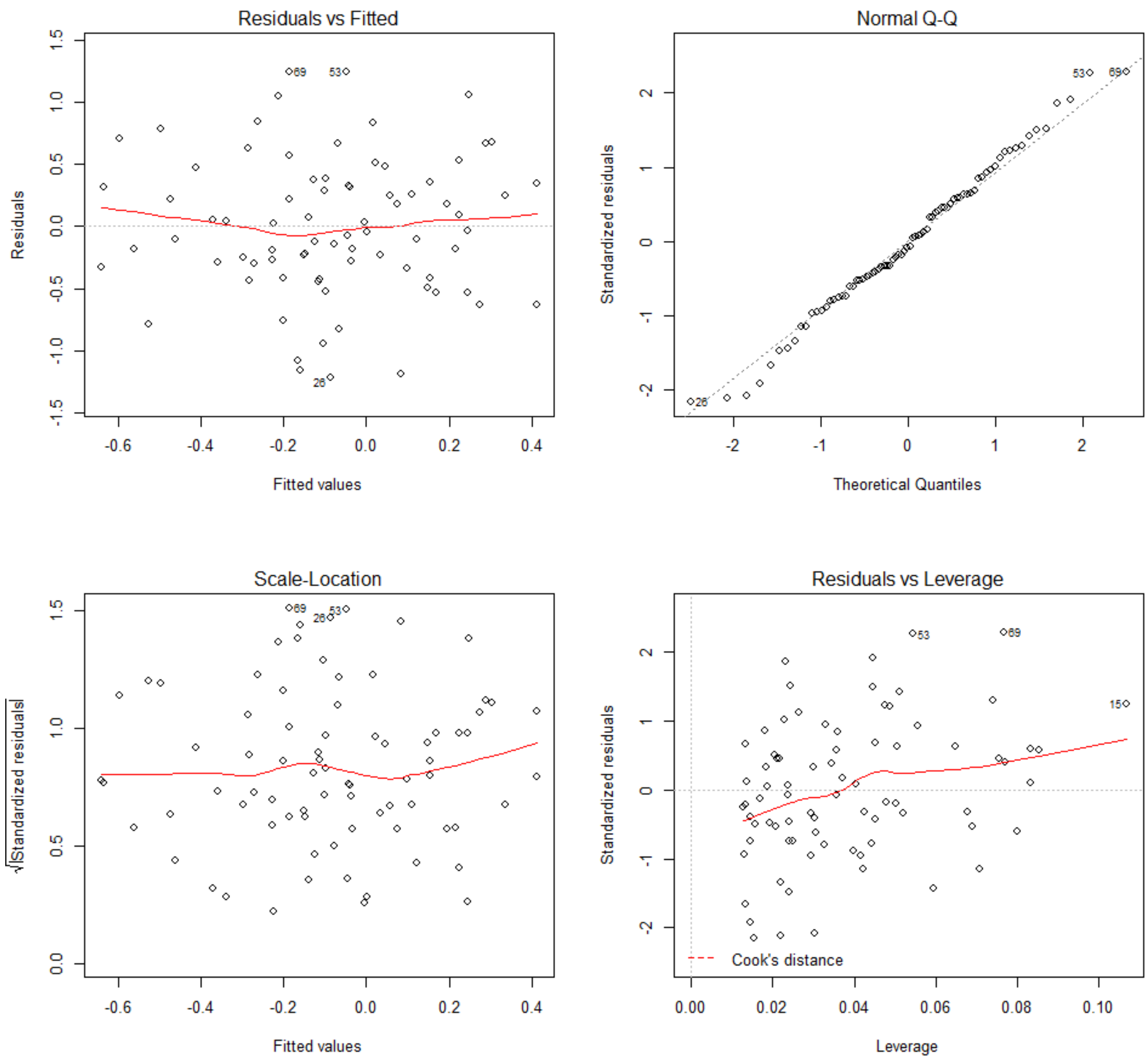
c) Annual – North sub-region plots (North~AMO)

From left to right 1) Residual vs. Fitted plot, 2) Normal Q-Q plot, 3) Scale-Location plot, and 4) Residual vs Leverage plot



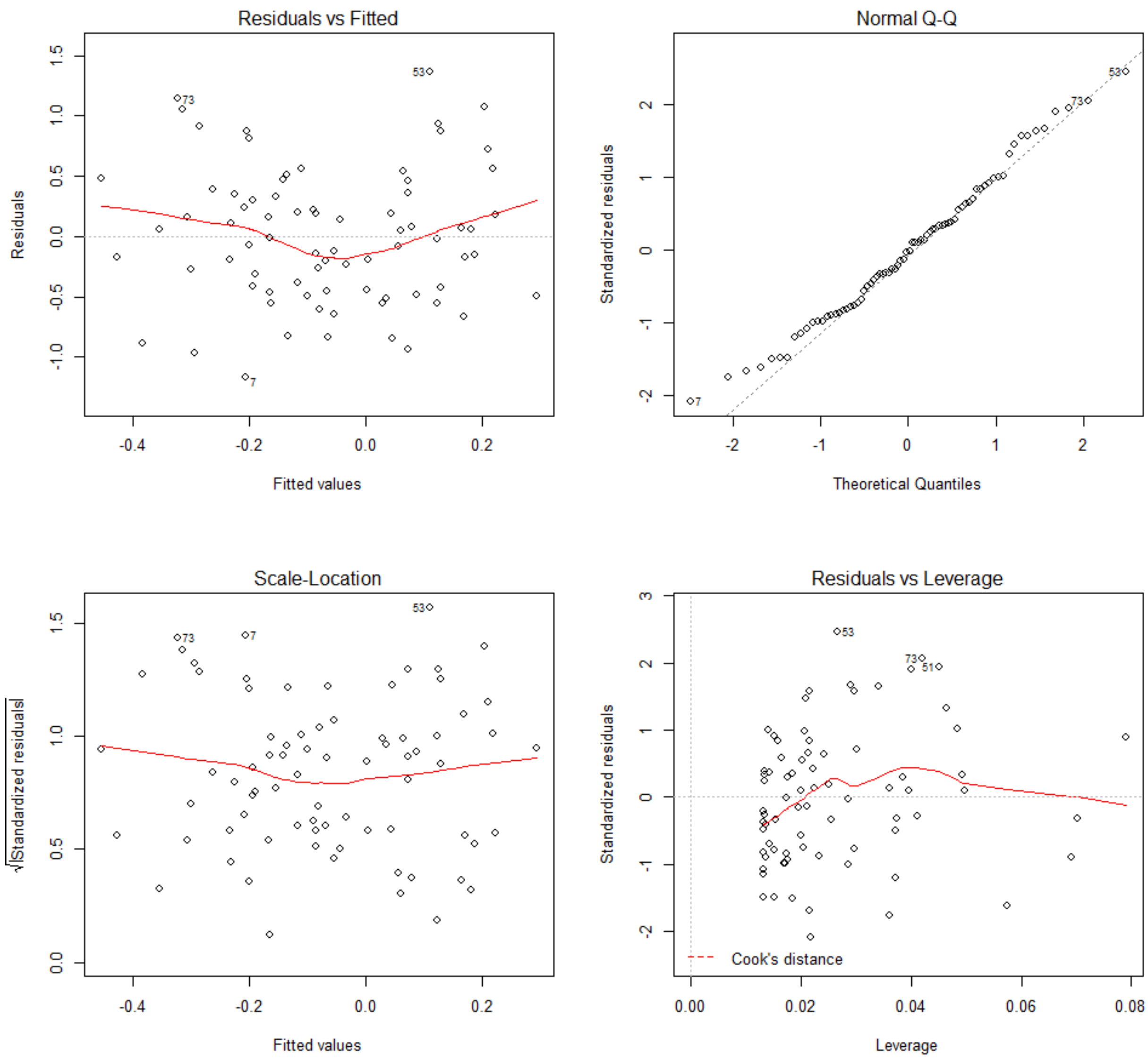
d) Annual – South sub-region plots (South~AMO+AO)

From left to right 1) Residual vs. Fitted plot, 2) Normal Q-Q plot, 3) Scale-Location plot, and 4) Residual vs Leverage plot



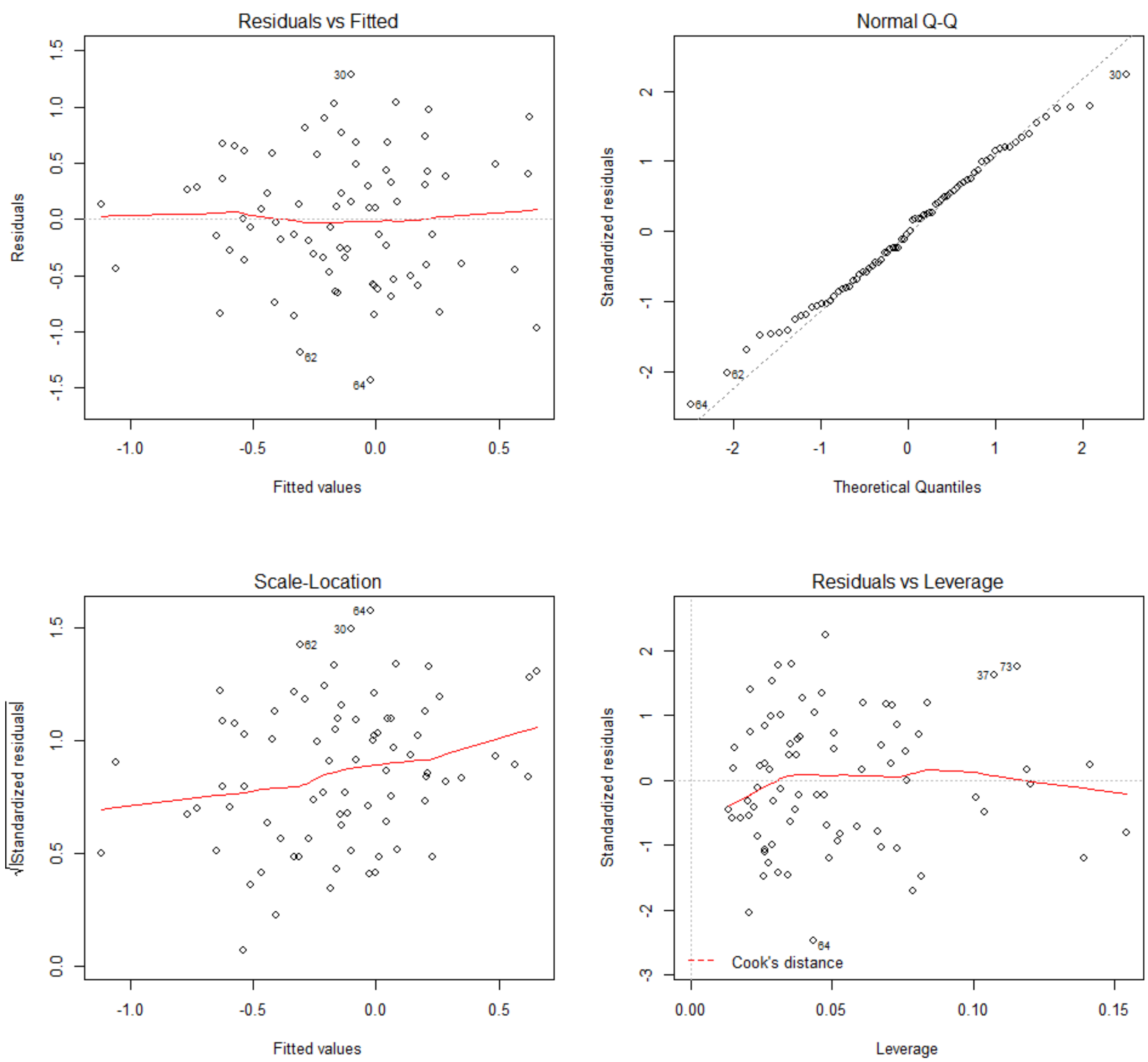
e) Annual – West sub-region plots (West~AMO)

From left to right 1) Residual vs. Fitted plot, 2) Normal Q-Q plot, 3) Scale-Location plot, and 4) Residual vs. Leverage plot



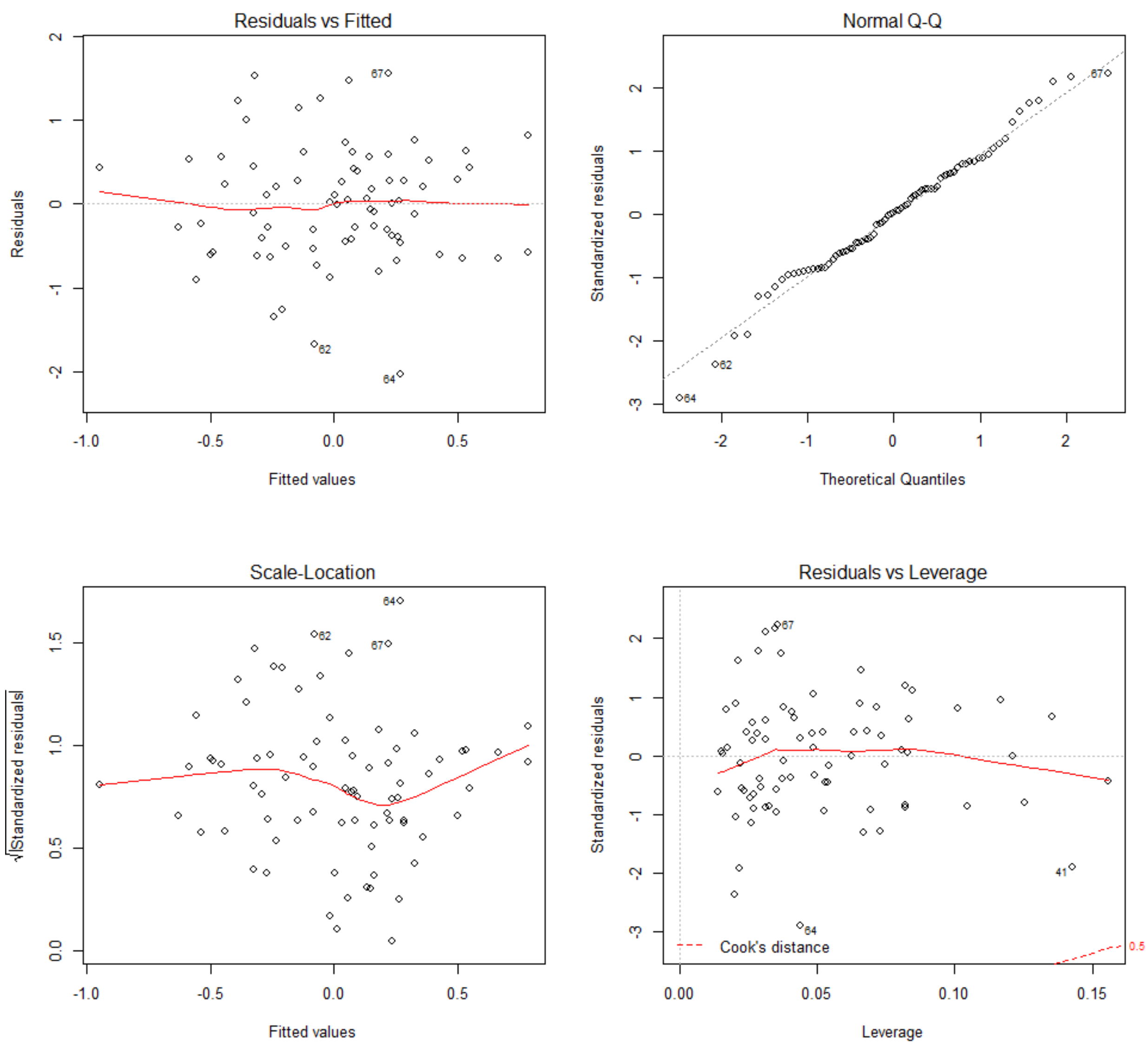
f) Summer – Nova Scotia plots (Nova Scotia~AMO+AO+ENSO)

From left to right 1) Residual vs. Fitted plot, 2) Normal Q-Q plot, 3) Scale-Location plot, and 4) Residual vs. Leverage plot



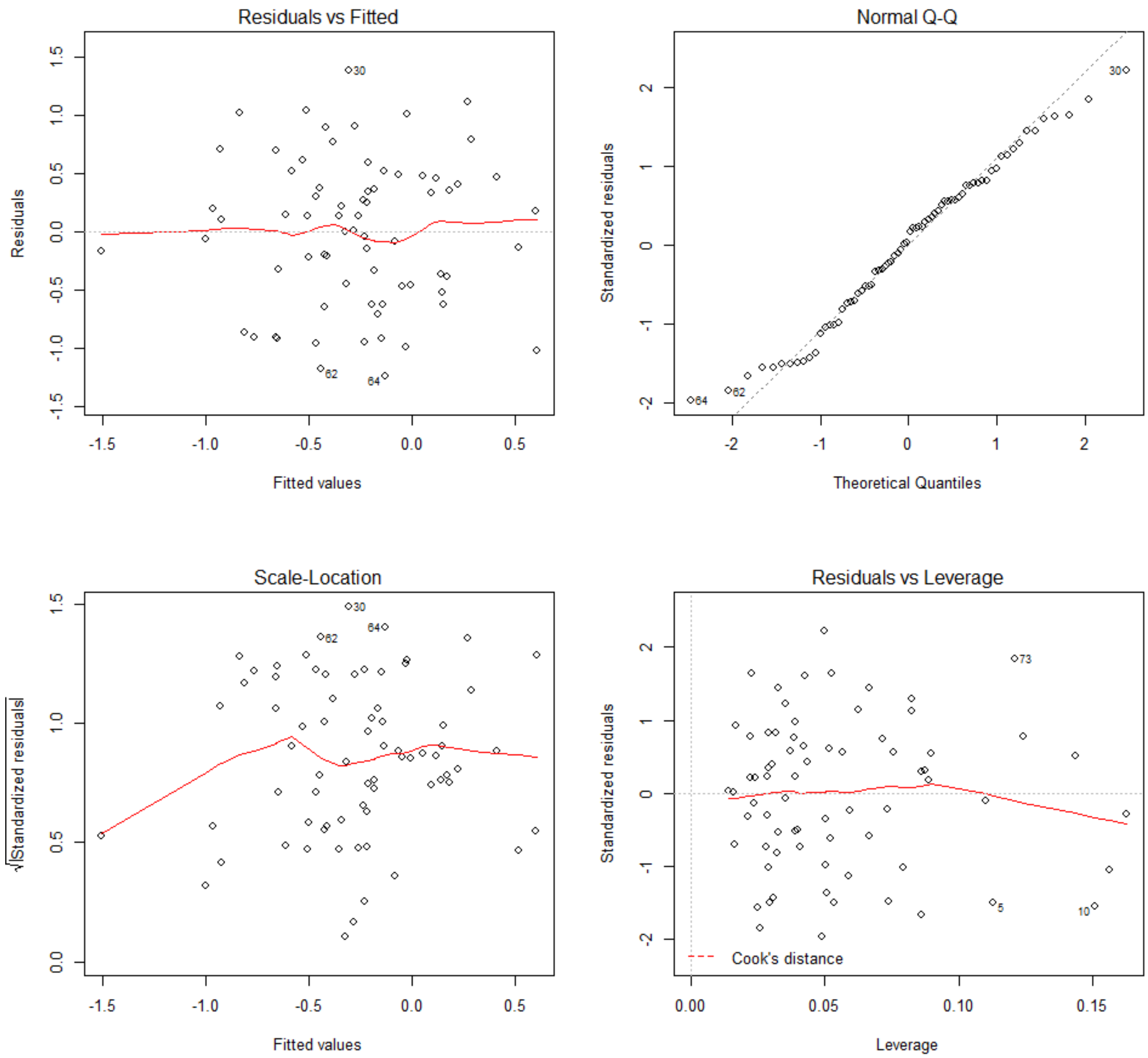
g) Summer – East sub-region plots (East~AMO+AO+ENSO)

From left to right 1) Residual vs. Fitted plot, 2) Normal Q-Q plot, 3) Scale-Location plot, and 4) Residual vs. Leverage plot

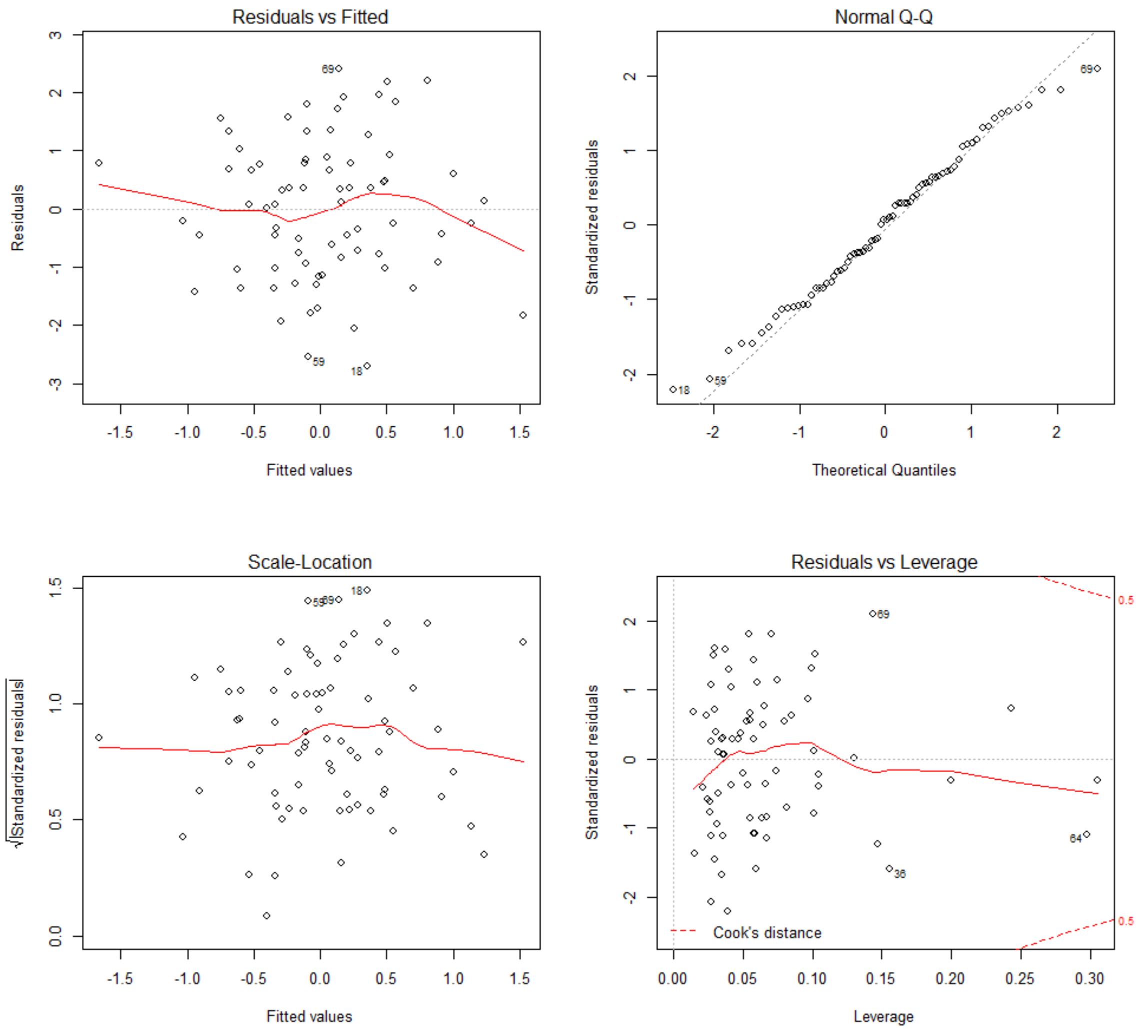


h) Summer – North sub-region plots (North~AMO+AO+ENSO)

From left to right 1) Residual vs. Fitted plot, 2) Normal Q-Q plot, 3) Scale-Location plot, and 4) Residual vs. Leverage plot

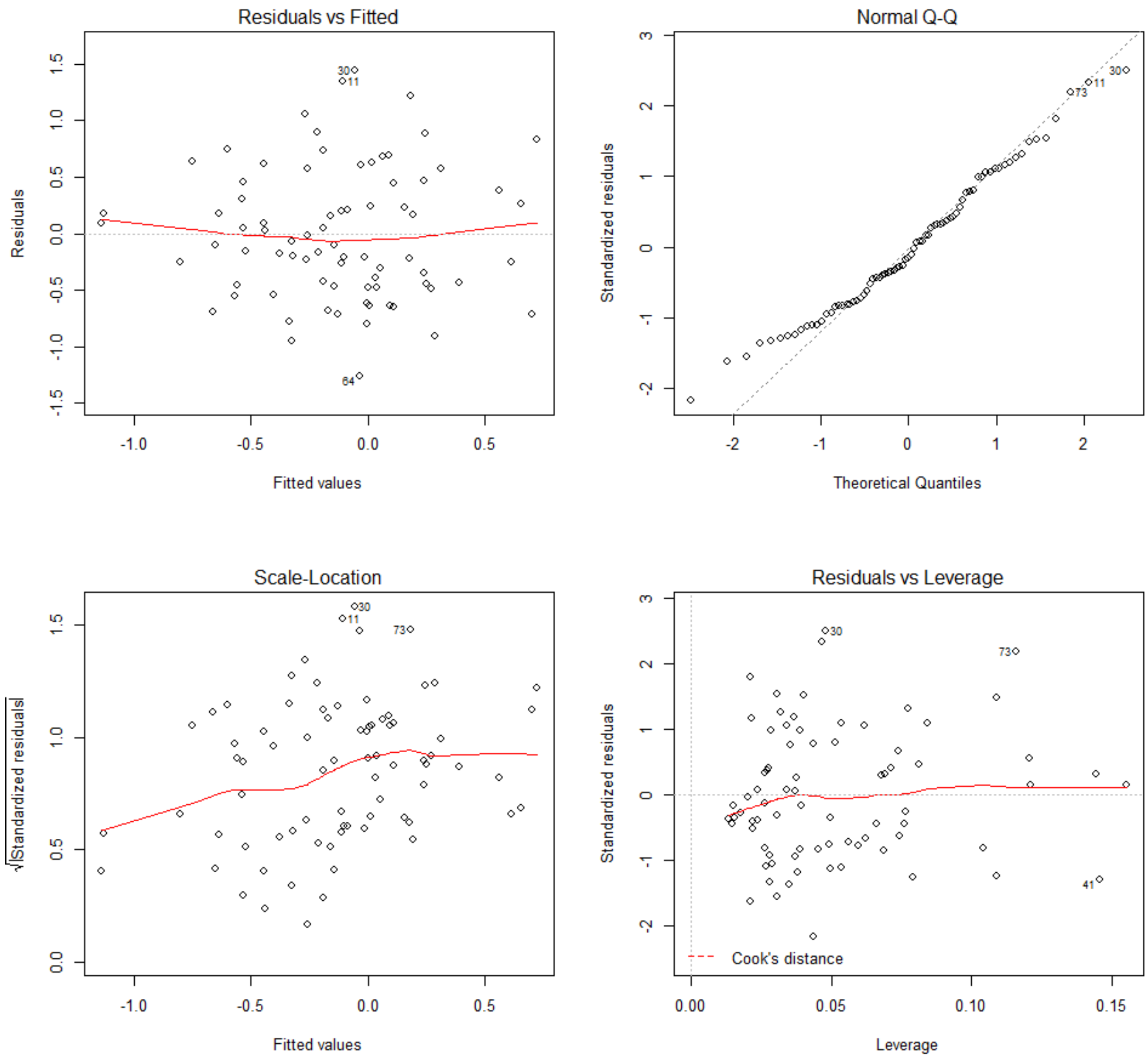


i) Summer – South sub-region plots (South~AMO+AO+ENSO+Optical)
From left to right 1) Residual vs. Fitted plot, 2) Normal Q-Q plot, 3) Scale-Location plot, and 4) Residual vs. Leverage plot



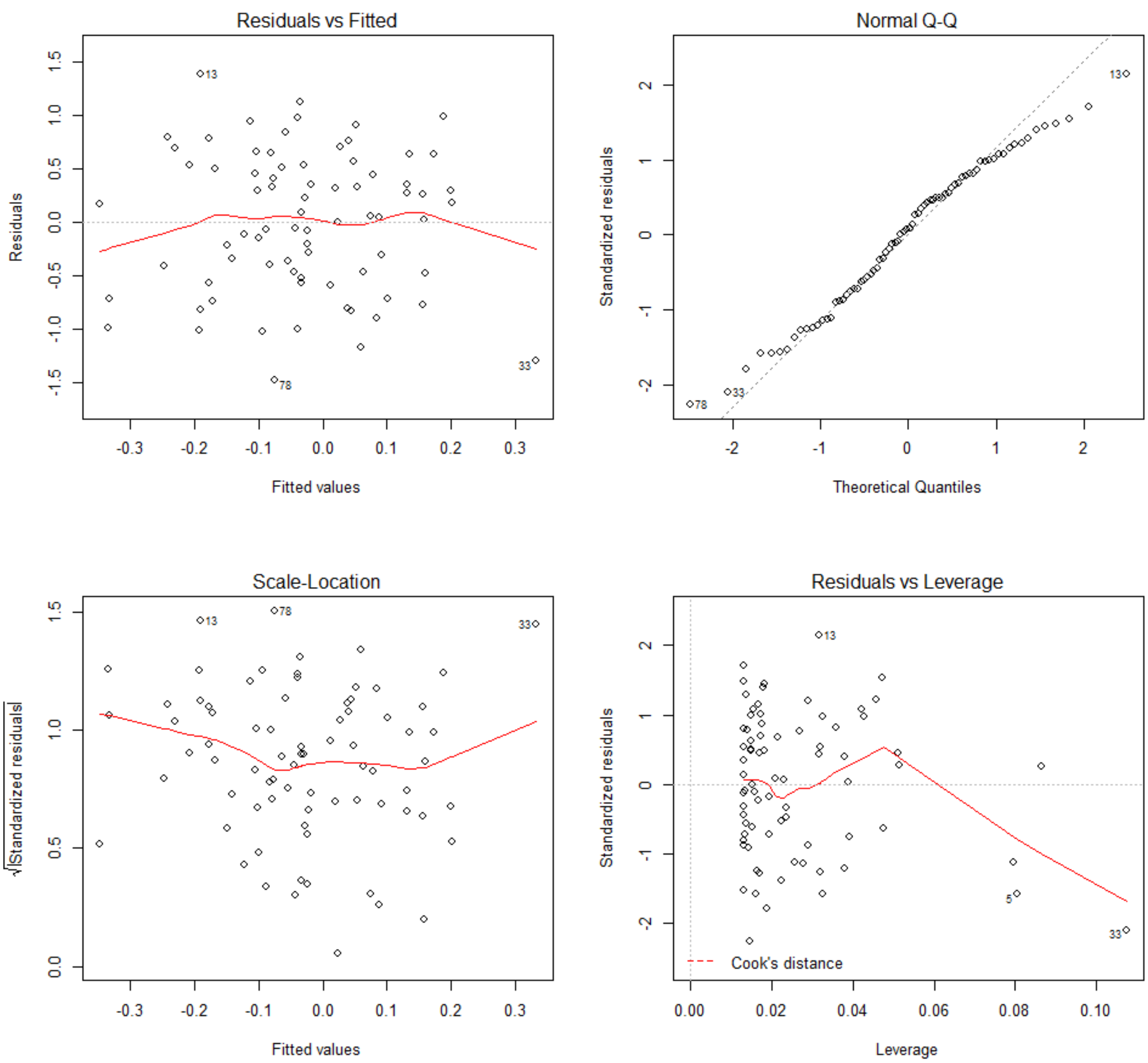
j) Summer – West sub-region plots (West~AMO+AO+ENSO)

From left to right 1) Residual vs. Fitted plot, 2) Normal Q-Q plot, 3) Scale-Location plot, and 4) Residual vs. Leverage plot



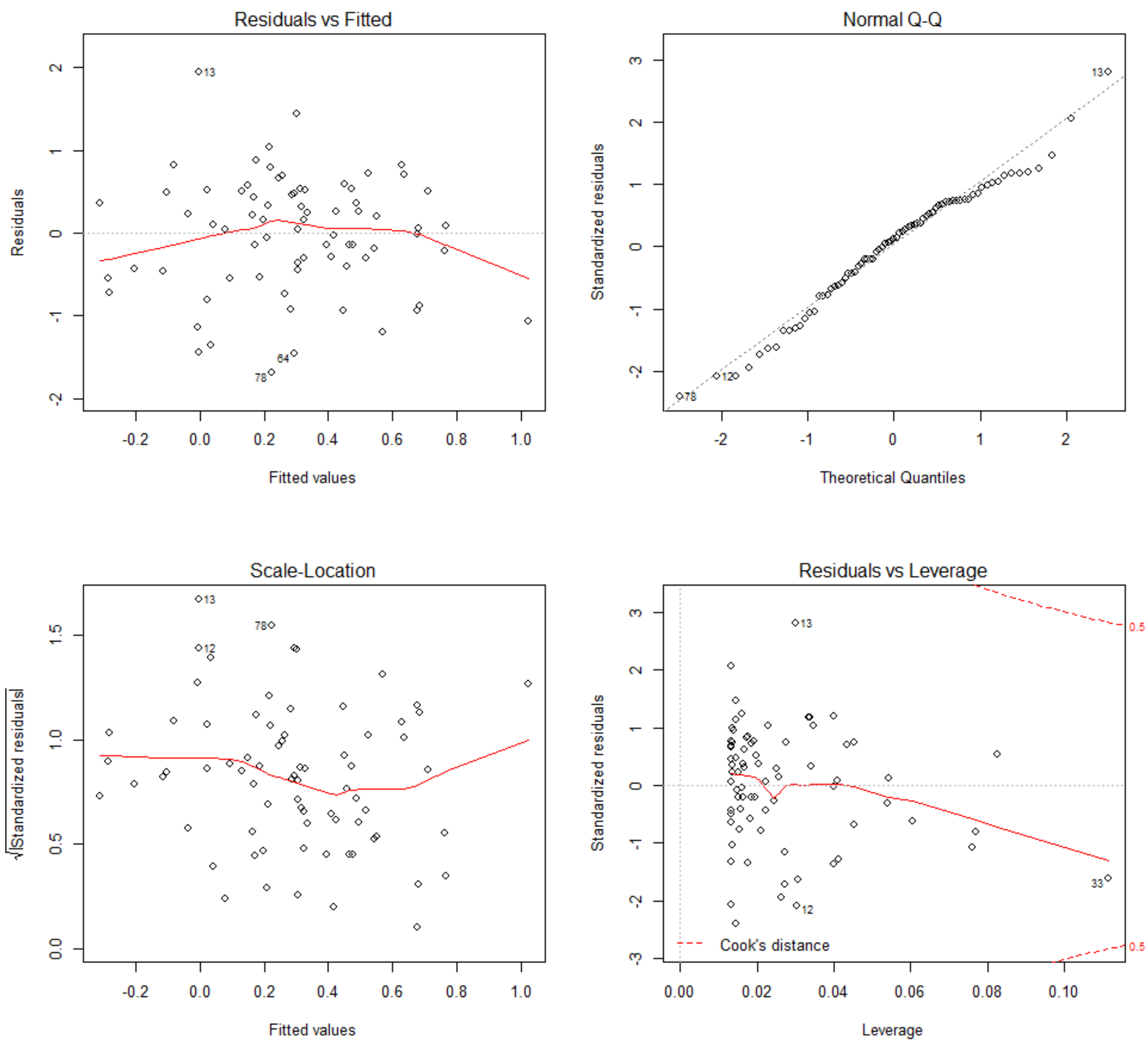
k) Fall – Nova Scotia plots (Nova Scotia~AMO)

From left to right 1) Residual vs. Fitted plot, 2) Normal Q-Q plot, 3) Scale-Location plot, and 4) Residual vs. Leverage plot



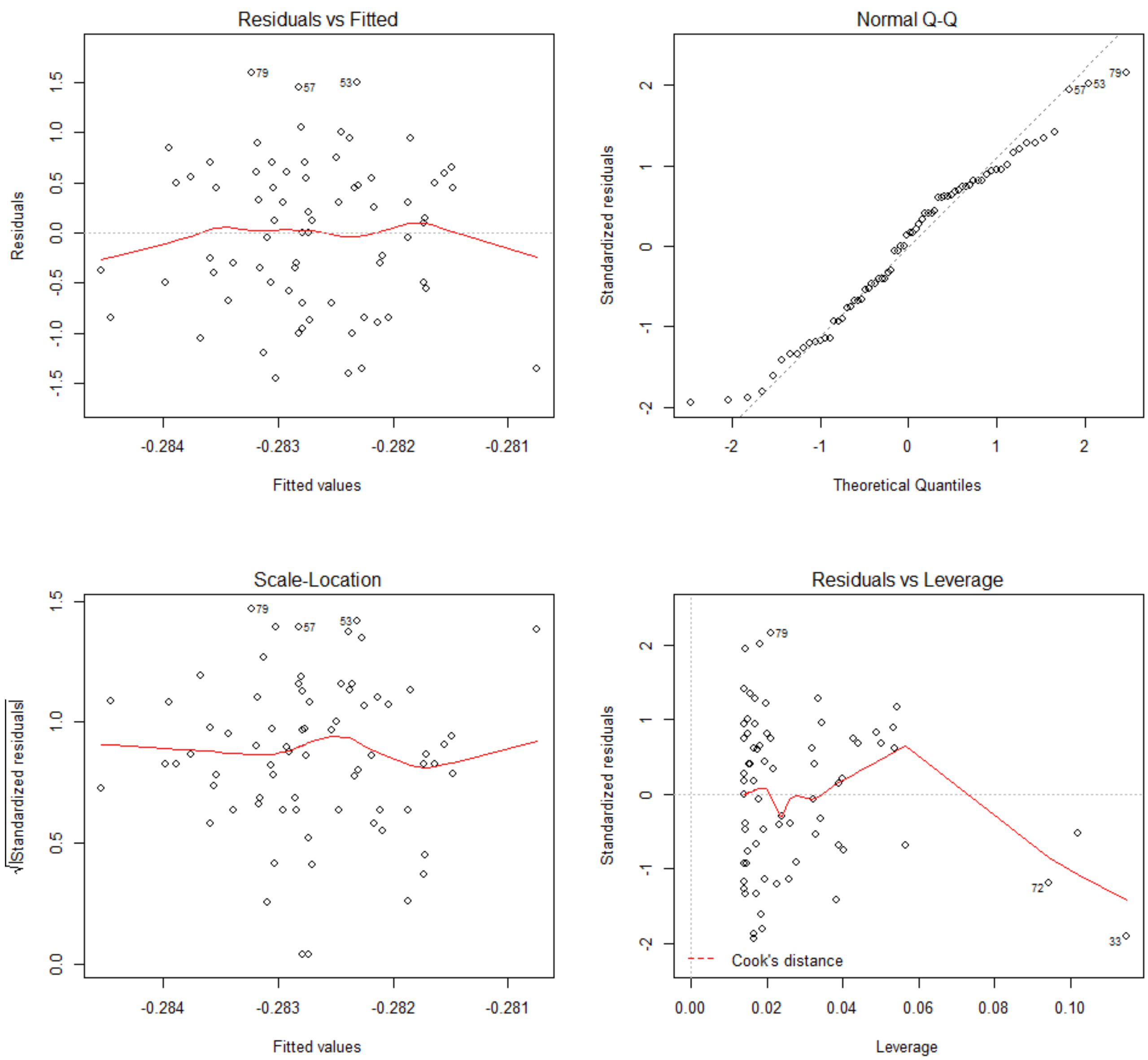
l) Fall – East sub-region plots (East~AMO)

From left to right 1) Residual vs. Fitted plot, 2) Normal Q-Q plot, 3) Scale-Location plot, and 4) Residual vs. Leverage plot



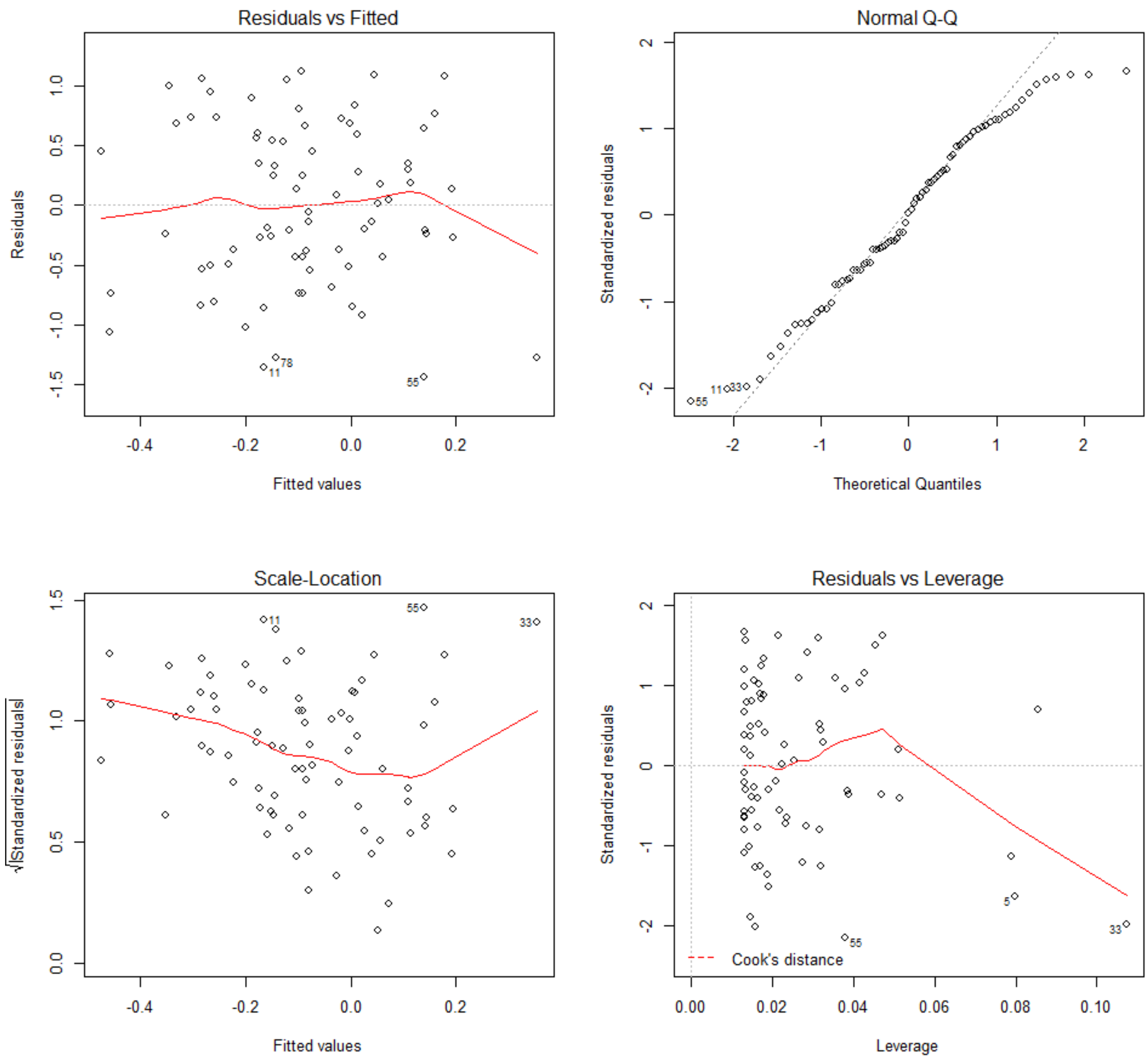
m) Fall – North sub-region plots (North~AMO)

From left to right 1) Residual vs. Fitted plot, 2) Normal Q-Q plot, 3) Scale-Location plot, and 4) Residual vs. Leverage plot



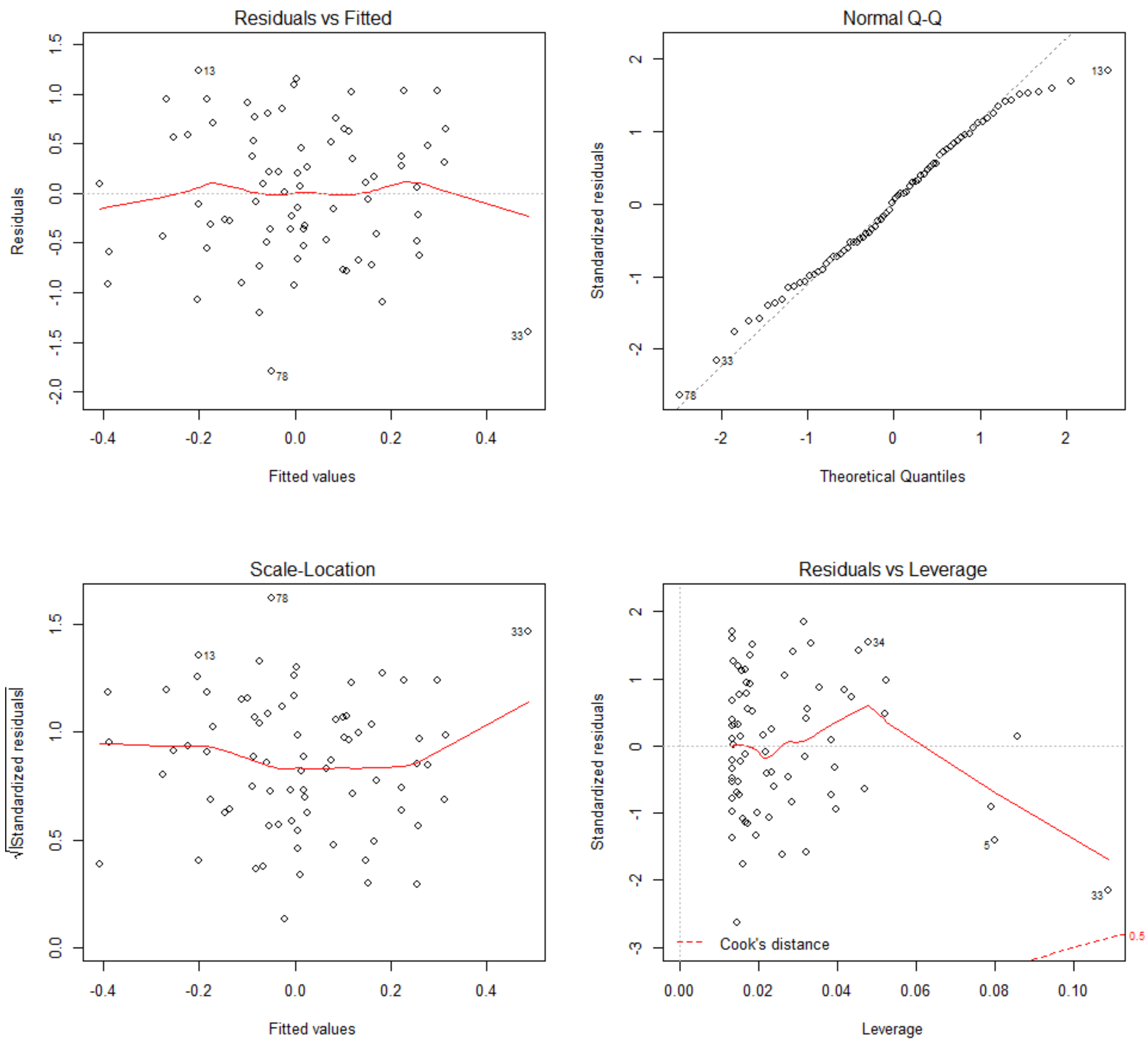
n) Fall – South sub-region plots (South~AMO)

From left to right 1) Residual vs. Fitted plot, 2) Normal Q-Q plot, 3) Scale-Location plot, and 4) Residual vs. Leverage plot



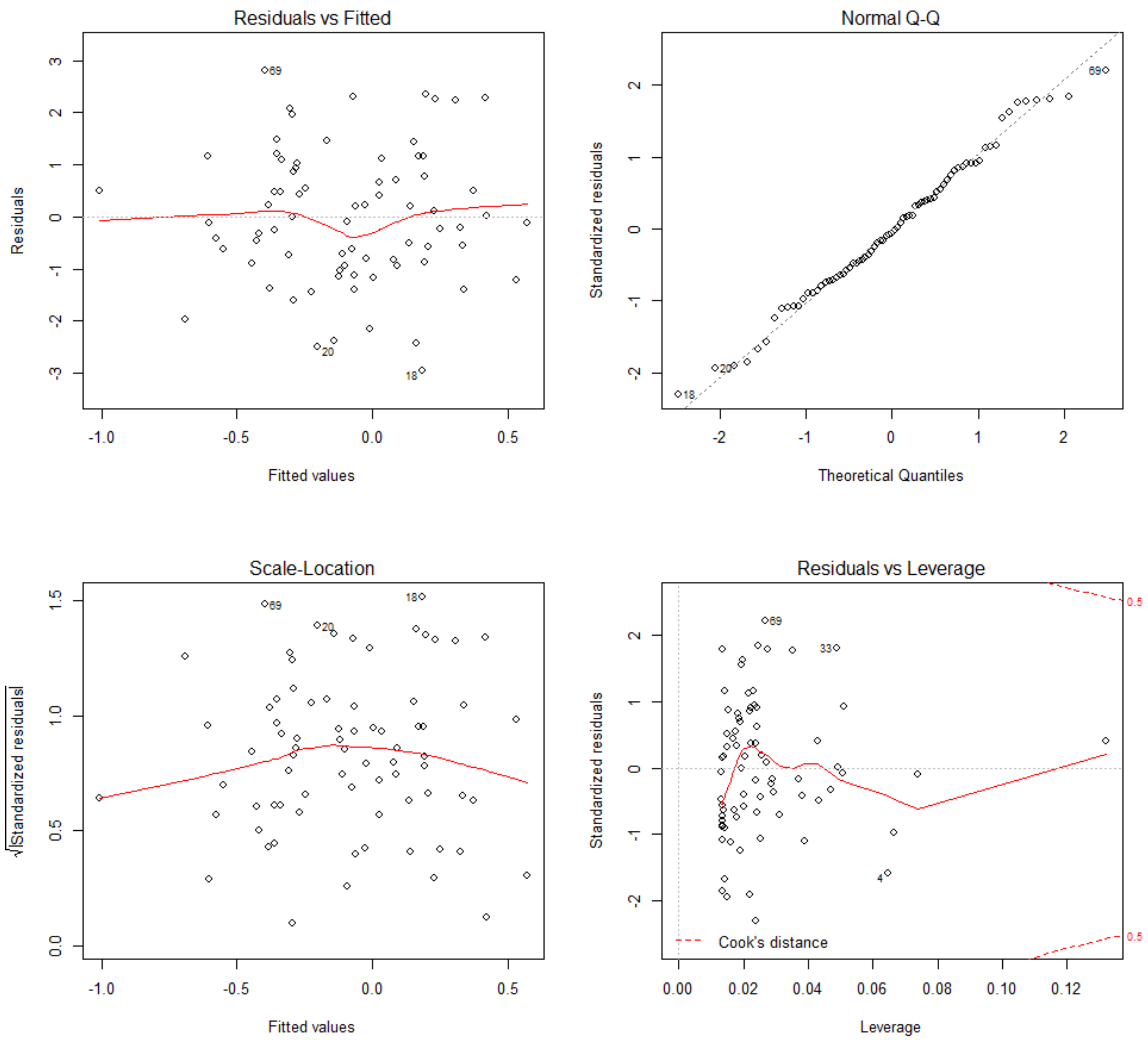
o) Fall – West sub-region plots (West~AMO)

From left to right 1) Residual vs. Fitted plot, 2) Normal Q-Q plot, 3) Scale-Location plot, and 4) Residual vs. Leverage plot



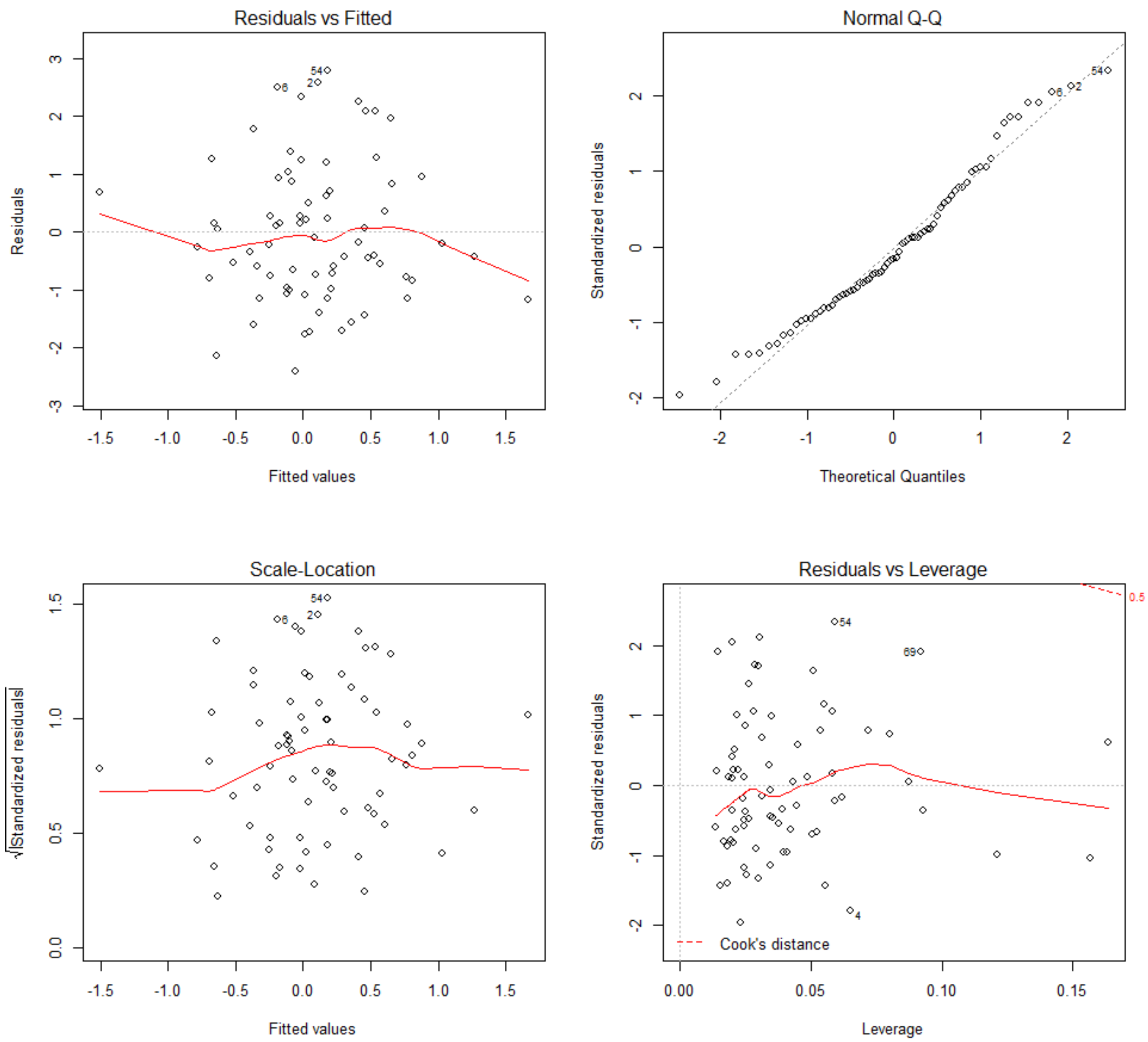
p) Winter – Nova Scotia plots (Nova Scotia~AMO)

From left to right 1) Residual vs. Fitted plot, 2) Normal Q-Q plot, 3) Scale-Location plot, and 4) Residual vs. Leverage plot



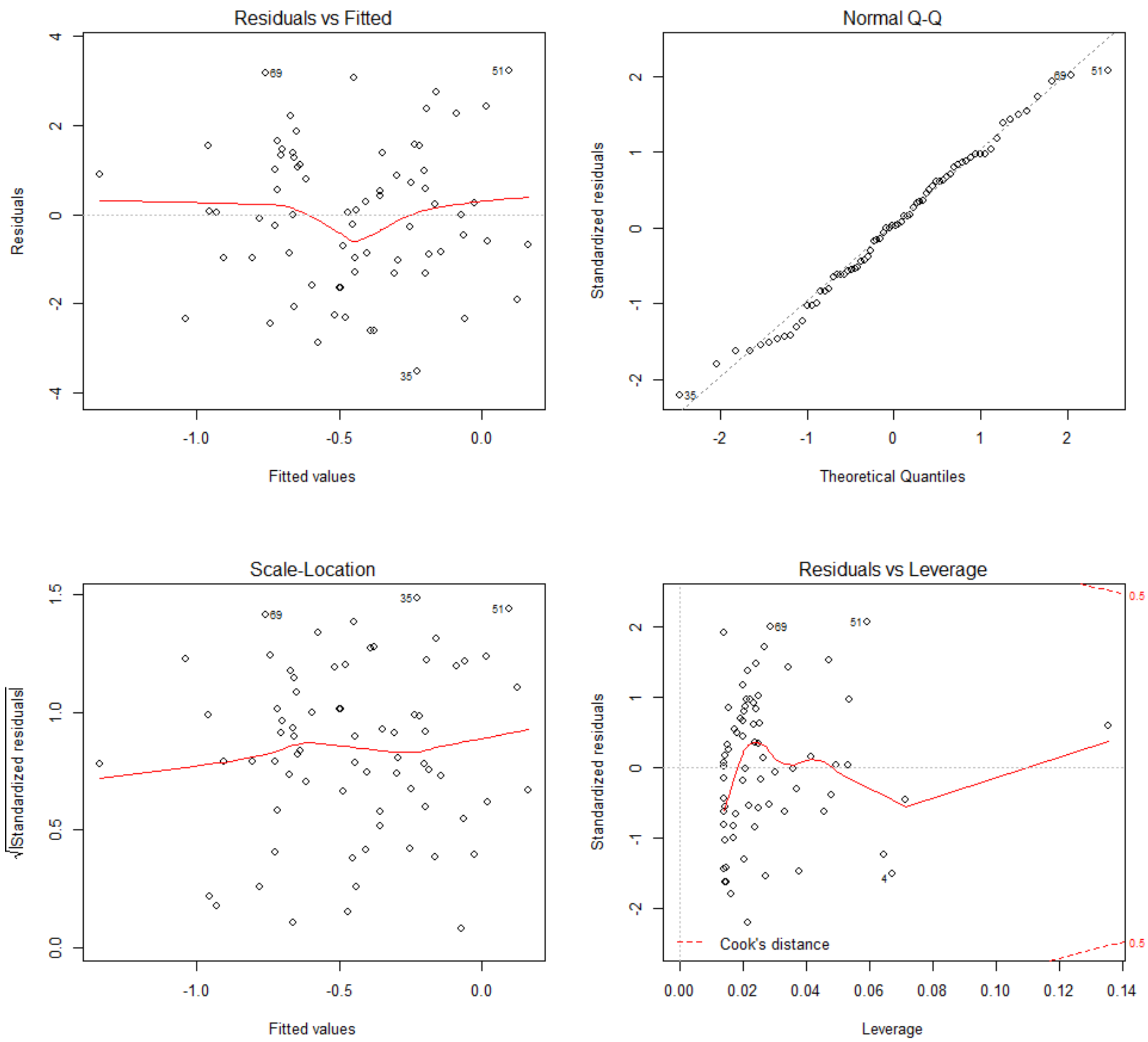
q) Winter – East sub-region plots (East~AMO+AO)

From left to right 1) Residual vs. Fitted plot, 2) Normal Q-Q plot, 3) Scale-Location plot, and 4) Residual vs. Leverage plot



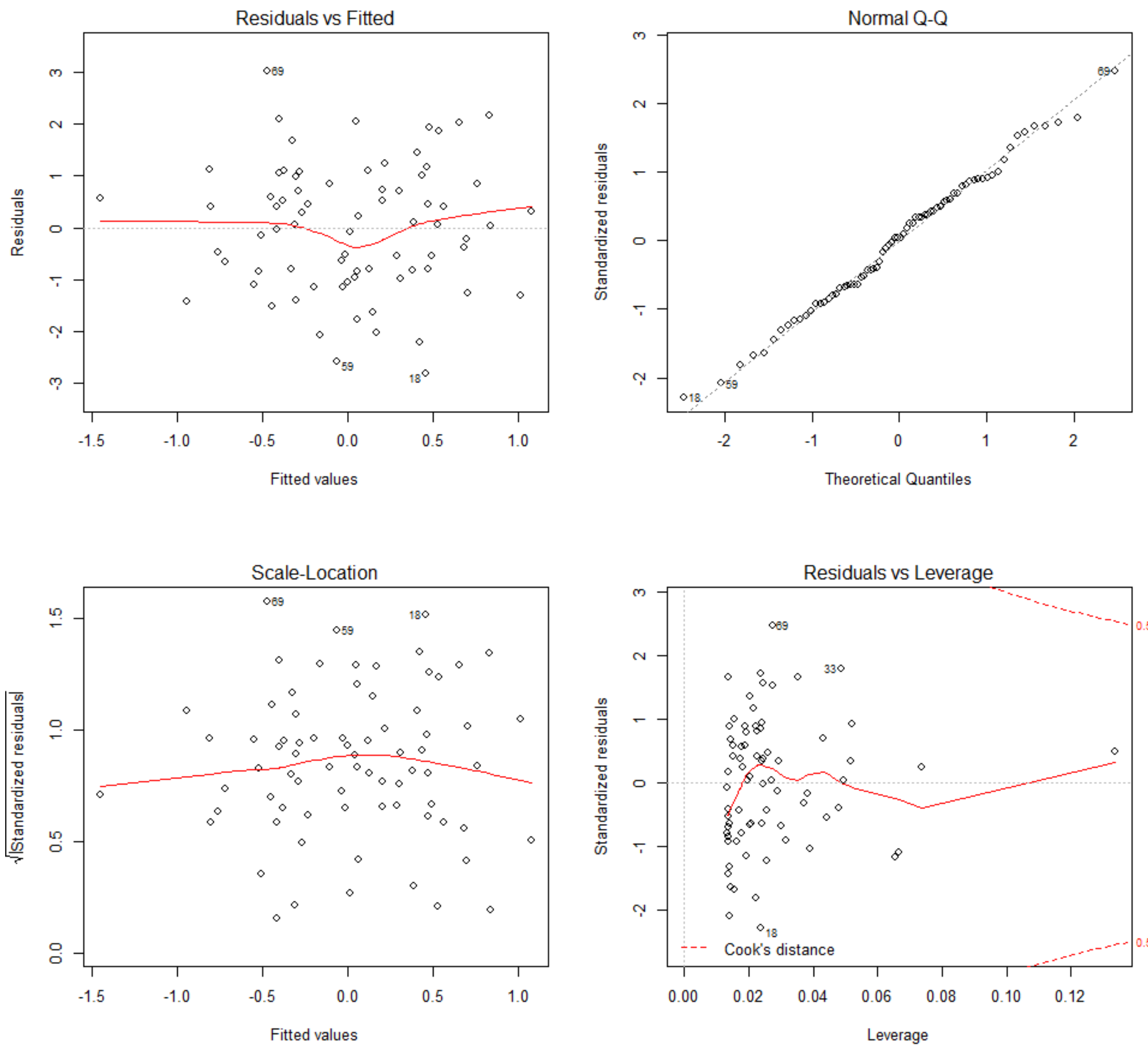
r) Winter – North sub-region plots (North~AMO)

From left to right 1) Residual vs. Fitted plot, 2) Normal Q-Q plot, 3) Scale-Location plot, and 4) Residual vs. Leverage plot



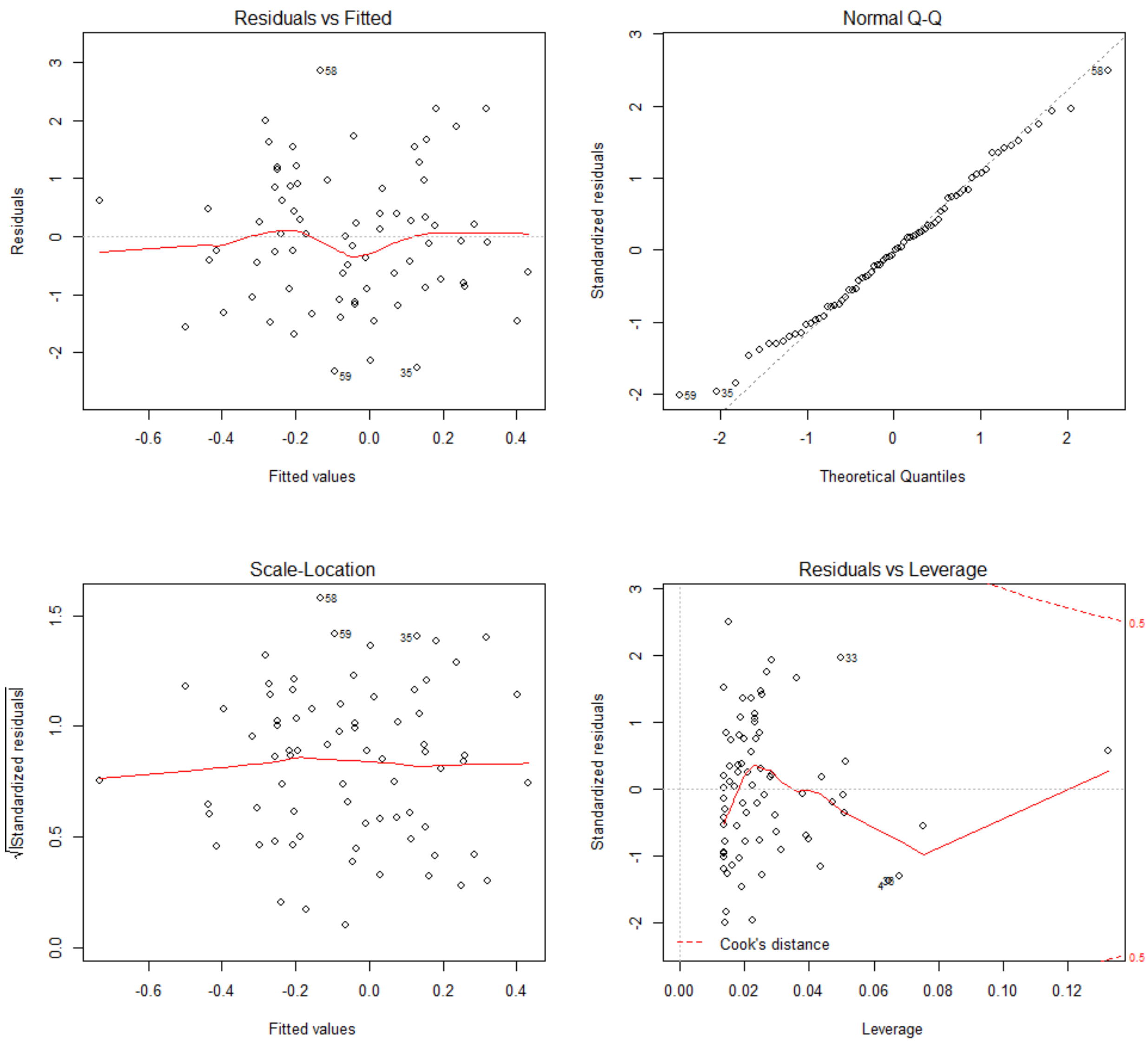
s) Winter – South sub-region plots (South~AMO)

From left to right 1) Residual vs. Fitted plot, 2) Normal Q-Q plot, 3) Scale-Location plot, and 4) Residual vs. Leverage plot



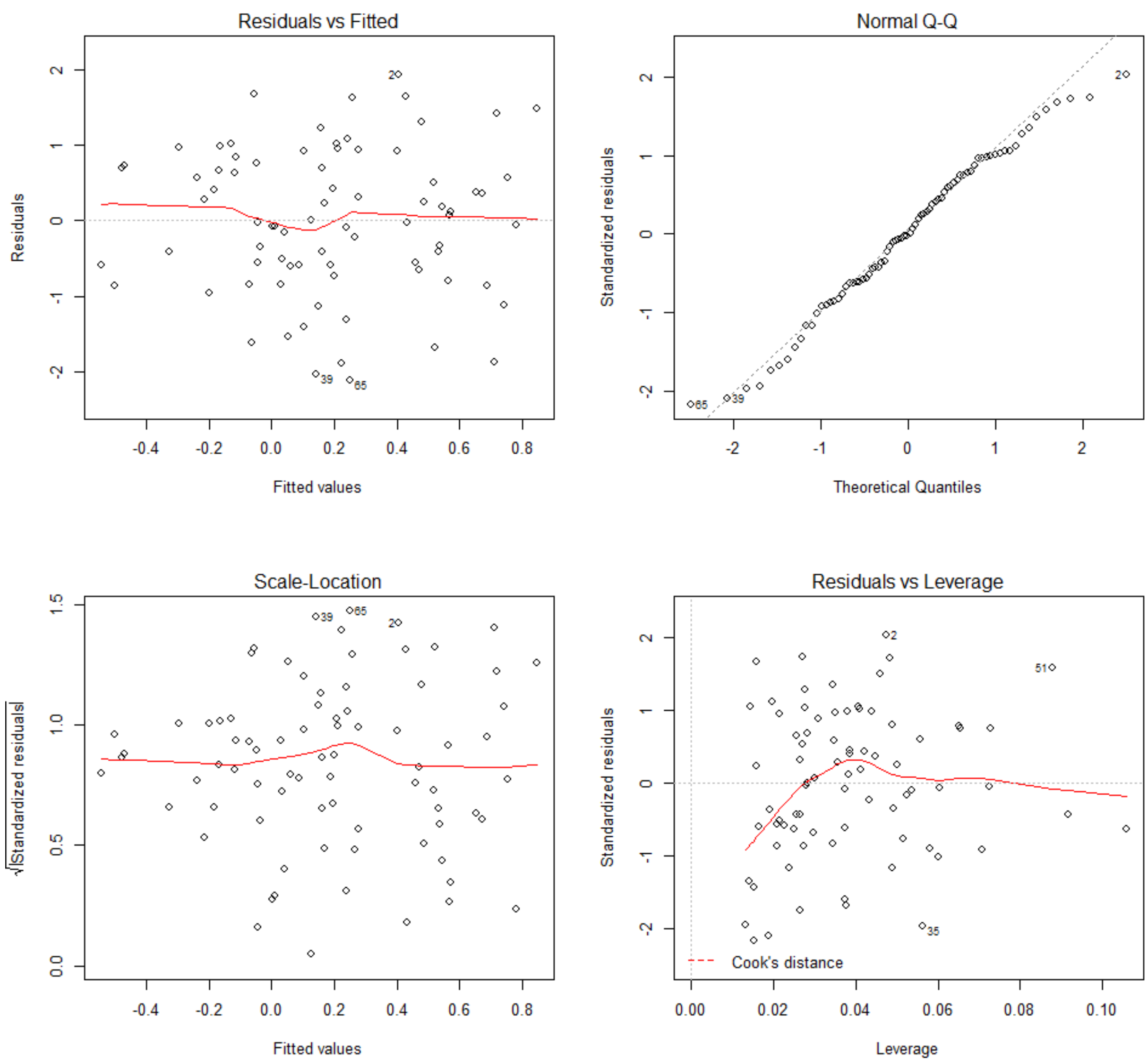
t) Winter – West sub-region plots (West~AMO)

From left to right 1) Residual vs. Fitted plot, 2) Normal Q-Q plot, 3) Scale-Location plot, and 4) Residual vs. Leverage plot

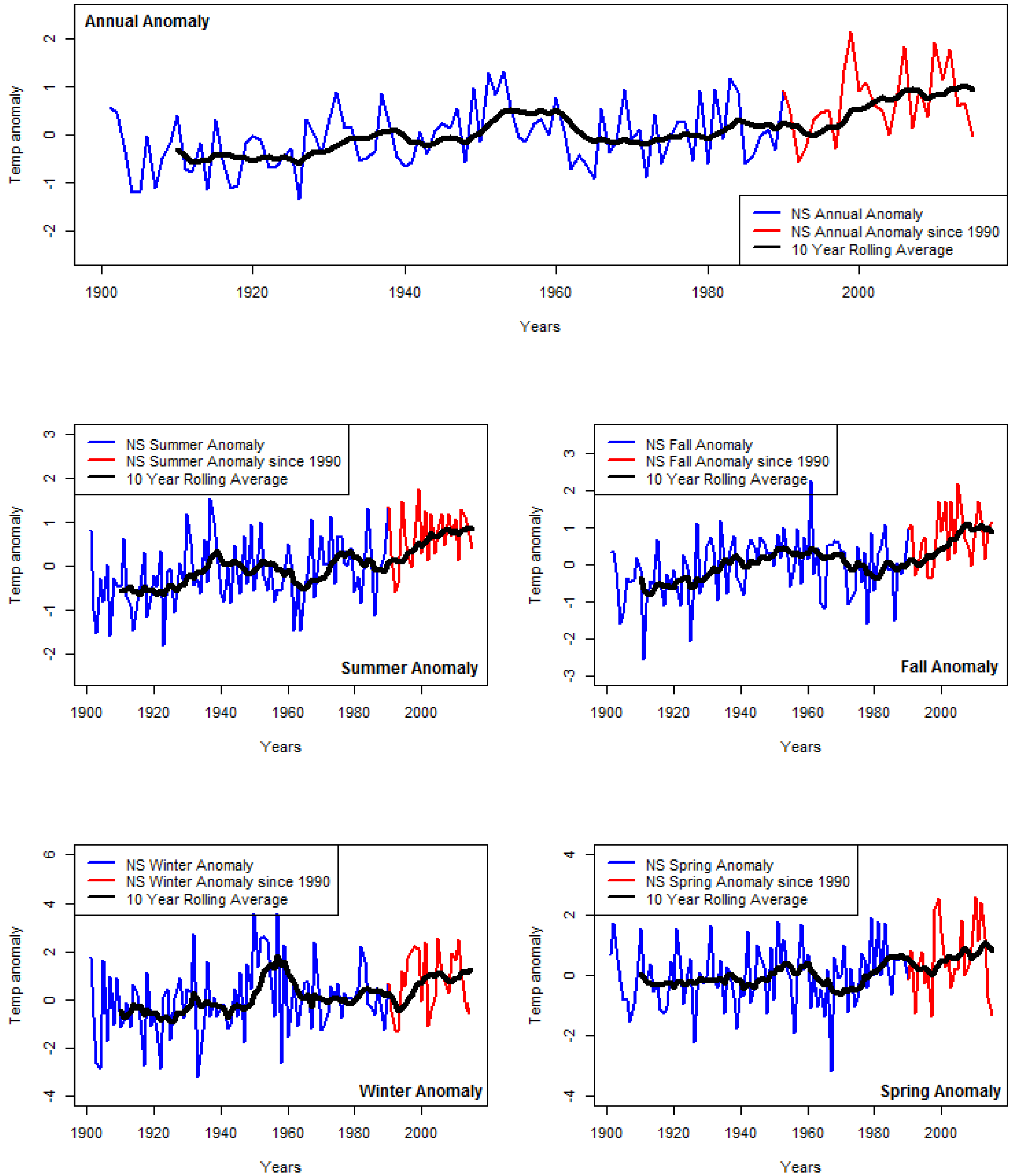


u) Fall – East sub-region plots (East~AMO+AO)

From left to right 1) Residual vs. Fitted plot, 2) Normal Q-Q plot, 3) Scale-Location plot, and 4) Residual vs. Leverage plot



Appendix 3: *Annual and seasonal Nova Scotia temperature anomalies from 1900-2015 with a 10 year rolling average*



***Appendix 4a**: Nova Scotia annual and seasonal temperature trends*

Annual and Seasonal		
	Total warming in between 1900-2015	Average warming per decade
Annual	0.68°C	0.059°C/decade
Summer	0.65°C	0.056°C/decade
Fall	0.70°C	0.061°C/decade
Winter	0.98°C	0.085°C/decade
Spring	0.55°C	0.048°C/decade

***Appendix 4b**: Nova Scotia annual temperature trends by regions*

Annual		
	Total warming in between 1900-2015	**Average warming per decade**
East	0.52°C	0.045°C/decade
North	0.93°C	0.081°C/decade
South	0.62°C	0.054°C/decade
West	0.76°C	0.066°C/decade
NS	0.68°C	0.059°C/decade

***Appendix 4c:** Nova Scotia summer temperature trends by regions*

Summer		
	Total warming in between 1900-2015	**Average warming per decade**
East	0.36°C	0.032°C/decade
North	0.82°C	0.072°C/decade
South	0.69°C	0.060°C/decade
West	0.73°C	0.064°C/decade
NS	0.65°C	0.056°C/decade

Appendix 4d: *Nova Scotia fall temperature trends by regions*

Fall		
	Total warming in between 1900-2015	**Average warming per decade**
East	0.60°C	0.052°C/decade
North	0.86°C	0.075°C/decade
South	0.59°C	0.051°C/decade
West	0.76°C	0.066°C/decade
NS	0.70°C	0.061°C/decade

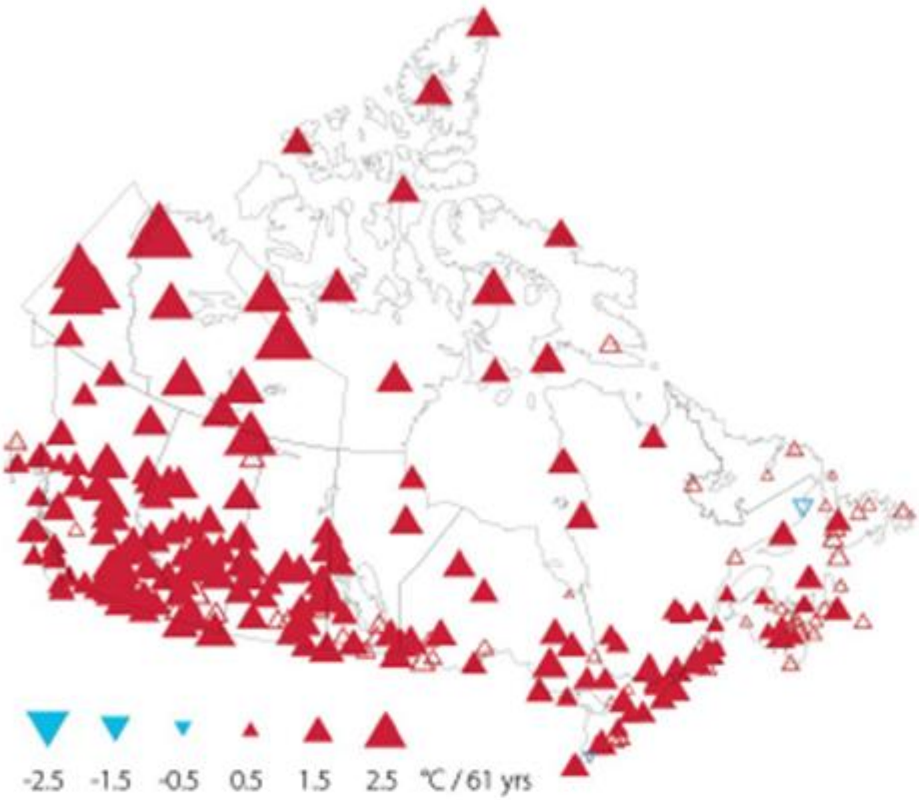
Appendix 4e: *Nova Scotia winter temperature trends by regions*

Winter		
	Total warming in between 1900-2015	**Average warming per decade**
East	0.78°C	0.068°C/decade
North	1.35°C	0.118°C/decade
South	0.87°C	0.076°C/decade
West	1.07°C	0.093°C/decade
NS	0.98°C	0.085°C/decade

Appendix 4f: *Nova Scotia spring temperature trends by regions*

Spring		
	Total warming in between 1900-2015	**Average warming per decade**
East	0.42°C	0.037°C/decade
North	0.83°C	0.072°C/decade
South	0.43°C	0.037°C/decade
West	0.63°C	0.055°C/decade
NS	0.55°C	0.048°C/decade

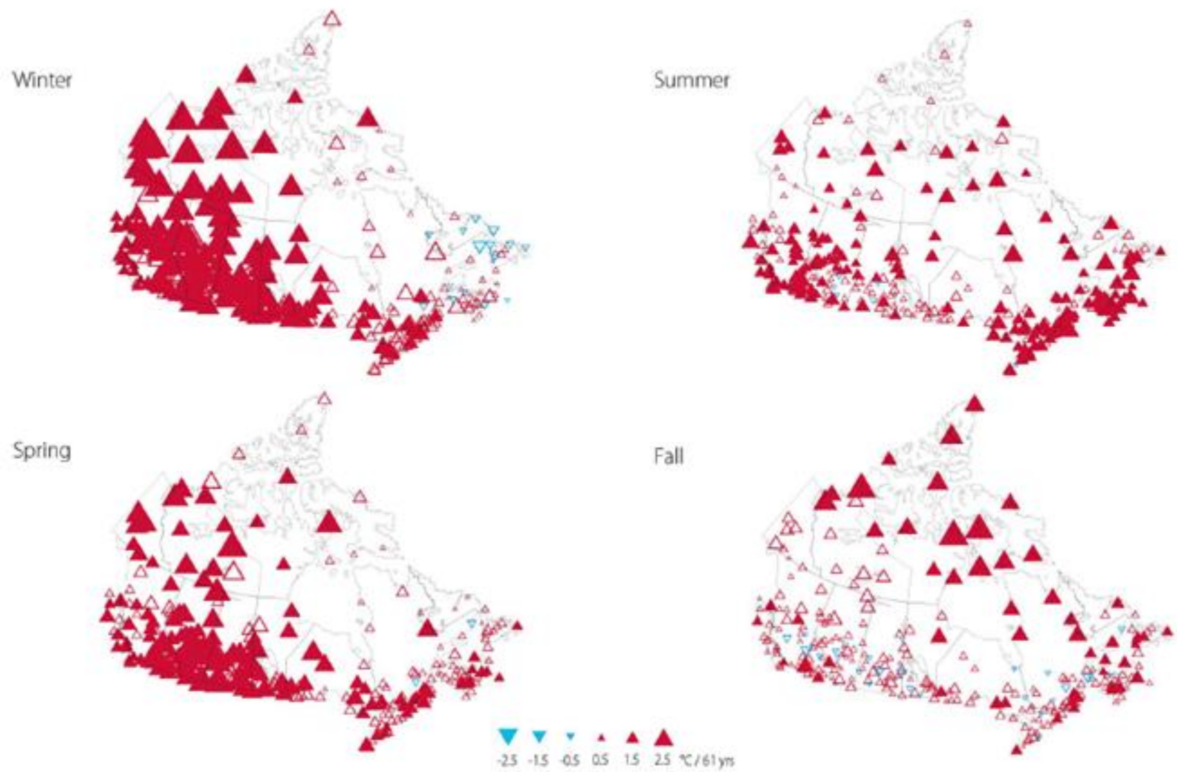
Appendix 5: *Trends in annual mean temperature from 1950-2010*



Upward-(red) and downward-(blue) pointing triangles indicate positive and negative trends, respectively. Filled triangles correspond to trends significant at the 5% level. The size of the triangle is proportional to the magnitude of the trend. The legend may not include all sizes shown in the figure.

Source*:* Vincent et al. (2012)

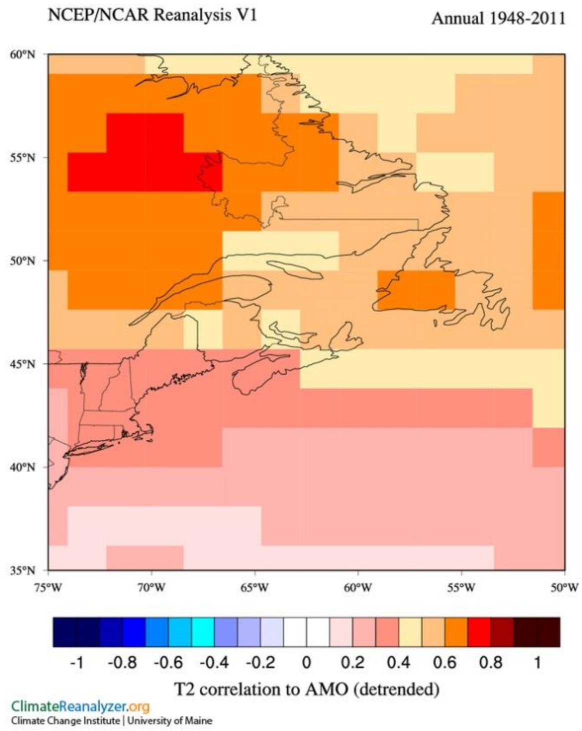
__Appendix 6__: Trends in seasonal mean temperature from 1950-2010

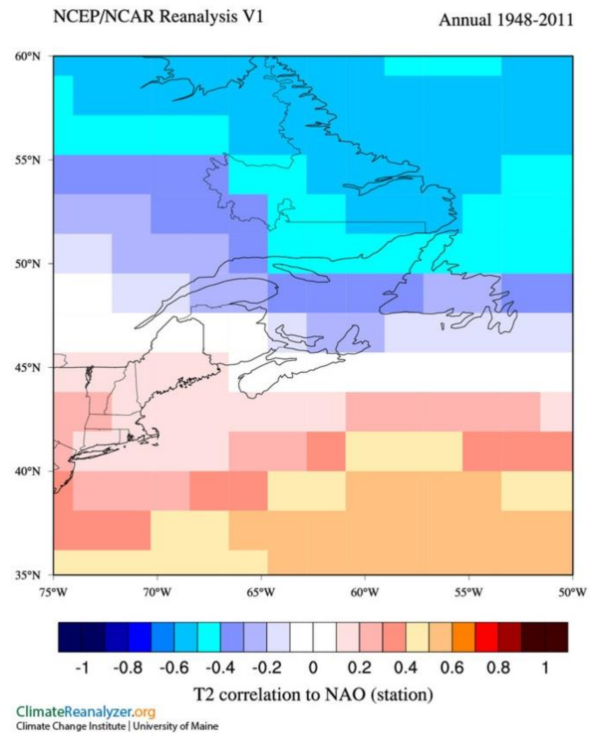


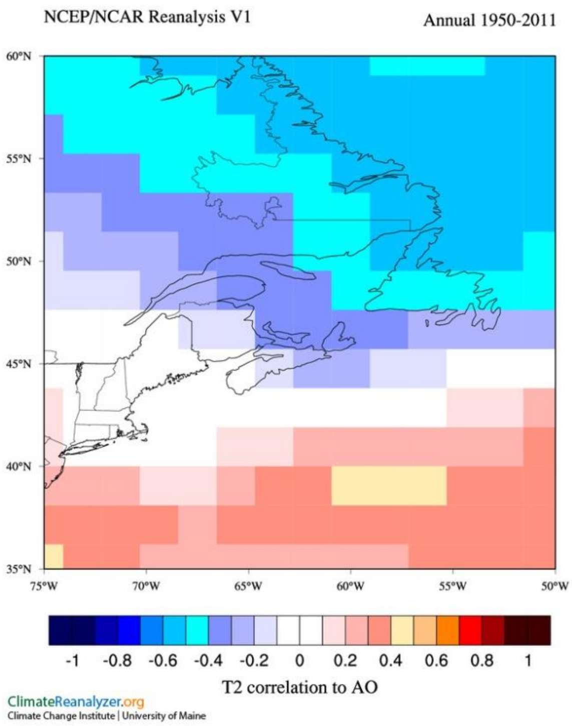
Upward-(red) and downward-(blue) pointing triangles indicate positive and negative trends, respectively. Filled triangles correspond to trends significant at the 5% level. The size of the triangle is proportional to the magnitude of the trend. The legend may not include all sizes shown in the figure.

***Source**:* Vincent et al. (2012)

Appendix 7: *Annual correlations of the Nova Scotia mean temperature anomaly composites and climate indices*







***Source**:* Climate Change Institute, The University of Maine (2016)

Supplemental material 1: Raw Data

a) Monthly homogenized raw data

Year	Month	Annapolis Royal	Collegeville	Deming	Greenwood	Halifax	Kentville	Liverpool	Nappan	Parrsboro	Sydney	Upper Stewiacke	Yarmouth
1900	1	N/A	N/A	N/A	N/A	-2.6	N/A	N/A	N/A	-5.3	-2.2	N/A	-1.2
1900	2	N/A	N/A	N/A	N/A	-3	N/A	N/A	N/A	-5.2	-3.8	N/A	-1.8
1900	3	N/A	N/A	N/A	N/A	-1.4	N/A	N/A	N/A	-3.3	-2	N/A	-0.1
1900	4	N/A	N/A	N/A	N/A	4.5	N/A	N/A	N/A	2.6	3	N/A	4.7
1900	5	N/A	N/A	N/A	N/A	8.2	N/A	N/A	N/A	6.6	7	N/A	8.1
1900	6	N/A	N/A	N/A	N/A	14.4	N/A	N/A	N/A	13.1	13.3	N/A	13.6
1900	7	N/A	N/A	N/A	N/A	17.2	N/A	N/A	N/A	16	17	N/A	16.5
1900	8	N/A	N/A	N/A	N/A	17.6	N/A	N/A	N/A	15.3	16.7	N/A	16.3
1900	9	N/A	N/A	N/A	N/A	14.8	N/A	N/A	N/A	13.7	13.6	N/A	13.5
1900	10	N/A	N/A	N/A	N/A	11.3	N/A	N/A	N/A	9.5	9.5	N/A	11.9
1900	11	N/A	N/A	N/A	N/A	4.9	N/A	N/A	N/A	2.8	4.7	N/A	5.9
1900	12	N/A	N/A	N/A	N/A	-2.3	N/A	N/A	N/A	-5.4	-2.1	N/A	-0.4
1901	1	N/A	N/A	N/A	N/A	-5	N/A	N/A	N/A	-7.2	-4.8	N/A	-3.2
1901	2	N/A	N/A	N/A	N/A	-3.9	N/A	N/A	N/A	-6.8	-2.7	N/A	-4
1901	3	N/A	N/A	N/A	N/A	-0.8	N/A	N/A	N/A	-2.7	-1.8	N/A	0.2
1901	4	N/A	N/A	N/A	N/A	5.5	N/A	N/A	N/A	5.7	3.4	N/A	7
1901	5	N/A	N/A	N/A	N/A	9.6	N/A	N/A	N/A	9.1	9	N/A	9.4
1901	6	N/A	N/A	N/A	N/A	14.8	N/A	N/A	N/A	13.7	13.9	N/A	13.9
1901	7	N/A	N/A	N/A	N/A	18.8	N/A	N/A	N/A	16.4	18.4	N/A	17
1901	8	N/A	N/A	N/A	N/A	18.8	N/A	N/A	N/A	16.6	19.5	N/A	17.5
1901	9	N/A	N/A	N/A	N/A	15.6	N/A	N/A	N/A	13.7	16.1	N/A	14.5
1901	10	N/A	N/A	N/A	N/A	9.7	N/A	N/A	N/A	7.9	9.3	N/A	9.6
1901	11	N/A	N/A	N/A	N/A	4.2	N/A	N/A	N/A	2	4.1	N/A	3.1
1901	12	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	-2.1	0.2	N/A	0.6
1902	1	N/A	N/A	N/A	N/A	-3.4	N/A	N/A	N/A	-5.9	-3	N/A	-2.4
1902	2	N/A	N/A	N/A	N/A	-3	N/A	N/A	N/A	-5	-2.1	N/A	-2.3
1902	3	N/A	N/A	N/A	N/A	3	N/A	N/A	N/A	1.6	1.8	N/A	3.5
1902	4	N/A	N/A	N/A	N/A	5.6	N/A	N/A	N/A	4.9	4.5	N/A	5.6
1902	5	N/A	N/A	N/A	N/A	9.1	N/A	N/A	N/A	7.6	7.4	N/A	8.5
1902	6	N/A	N/A	N/A	N/A	12.5	N/A	N/A	N/A	11.3	11.3	N/A	12.1
1902	7	N/A	N/A	N/A	N/A	16.5	N/A	N/A	N/A	15.4	16.4	N/A	15.7
1902	8	N/A	N/A	N/A	N/A	17	N/A	N/A	N/A	15.9	17.9	N/A	16
1902	9	N/A	N/A	N/A	N/A	15.1	N/A	N/A	N/A	13	15.5	N/A	14.2
1902	10	N/A	N/A	N/A	N/A	9.4	N/A	N/A	N/A	7.2	8.7	N/A	9.4
1902	11	N/A	N/A	N/A	N/A	5.5	N/A	N/A	N/A	3.4	4.2	N/A	5.8
1902	12	N/A	N/A	N/A	N/A	-3.5	N/A	N/A	N/A	-5.9	-2	N/A	-2.2
1903	1	N/A	N/A	N/A	N/A	-4.5	N/A	N/A	N/A	-7	-6	N/A	-2
1903	2	N/A	N/A	N/A	N/A	-4.4	N/A	N/A	N/A	-7.2	-6.6	N/A	-2
1903	3	N/A	N/A	N/A	N/A	1.8	N/A	N/A	N/A	0.1	-0.4	N/A	3.1
1903	4	N/A	N/A	N/A	N/A	4.4	N/A	N/A	N/A	3.4	2.8	N/A	5.4
1903	5	N/A	N/A	N/A	N/A	10.1	N/A	N/A	N/A	8.3	7.7	N/A	9.4
1903	6	N/A	N/A	N/A	N/A	11.7	N/A	N/A	N/A	12	10.2	N/A	13
1903	7	N/A	N/A	N/A	N/A	15.9	N/A	N/A	N/A	14.9	16.2	N/A	15.7
1903	8	N/A	N/A	N/A	N/A	15.4	N/A	N/A	N/A	13.5	15	N/A	14.7
1903	9	N/A	N/A	N/A	N/A	14.9	N/A	N/A	N/A	12.7	14.6	N/A	13.9

Year	Month	Annapolis Royal	Collegeville	Deming	Greenwood	Halifax	Kentville	Liverpool	Nappan	Parrsboro	Sydney	Upper Stewiacke	Yarmouth
1903	10	N/A	N/A	N/A	N/A	9.1	N/A	N/A	N/A	7.3	8.1	N/A	9.2
1903	11	N/A	N/A	N/A	N/A	4.7	N/A	N/A	N/A	2.3	4.9	N/A	4.5
1903	12	N/A	N/A	N/A	N/A	-2.7	N/A	N/A	N/A	-6.2	-2.2	N/A	-1.1
1904	1	N/A	N/A	N/A	N/A	-6.9	N/A	N/A	N/A	-10.4	-8.1	N/A	-5.2
1904	2	N/A	N/A	N/A	N/A	-7.9	N/A	N/A	N/A	-11	-9.9	N/A	-5.9
1904	3	N/A	N/A	N/A	N/A	-2.1	N/A	N/A	N/A	-4.2	-4	N/A	-1.2
1904	4	N/A	N/A	N/A	N/A	3.4	N/A	N/A	N/A	2.2	2.5	N/A	3.8
1904	5	N/A	N/A	N/A	N/A	10.1	N/A	N/A	N/A	10.1	9.1	N/A	10.7
1904	6	N/A	N/A	N/A	N/A	13.7	N/A	N/A	N/A	12	12.9	N/A	12.7
1904	7	N/A	N/A	N/A	N/A	18.6	N/A	N/A	N/A	17	19.7	N/A	16.5
1904	8	N/A	N/A	N/A	N/A	15.7	N/A	N/A	N/A	13.6	17.8	N/A	15.1
1904	9	N/A	N/A	N/A	N/A	12.3	N/A	N/A	N/A	10.8	12.6	N/A	12.3
1904	10	N/A	N/A	N/A	N/A	7.9	N/A	N/A	N/A	6.4	8.3	N/A	7.9
1904	11	N/A	N/A	N/A	N/A	1.7	N/A	N/A	N/A	0	2.5	N/A	2.3
1904	12	N/A	N/A	N/A	N/A	-7	N/A	N/A	N/A	-10	-5.3	N/A	-4.3
1905	1	N/A	N/A	N/A	N/A	-7.8	N/A	N/A	N/A	-10.7	-8	N/A	-4.9
1905	2	N/A	N/A	N/A	N/A	-8.1	N/A	N/A	N/A	-10.5	-7.8	N/A	-5.8
1905	3	N/A	N/A	N/A	N/A	-2.8	N/A	N/A	N/A	-5.2	-4.9	N/A	-1.1
1905	4	N/A	N/A	N/A	N/A	3.9	N/A	N/A	N/A	2.8	2.5	N/A	4.3
1905	5	N/A	N/A	N/A	N/A	9.4	N/A	N/A	N/A	7.8	7.4	N/A	8.3
1905	6	N/A	N/A	N/A	N/A	12.1	N/A	N/A	N/A	11.3	11.5	N/A	11.6
1905	7	N/A	N/A	N/A	N/A	18.3	N/A	N/A	N/A	16.4	18.1	N/A	16.2
1905	8	N/A	N/A	N/A	N/A	16.7	N/A	N/A	N/A	14.8	16.7	N/A	14.9
1905	9	N/A	N/A	N/A	N/A	13.2	N/A	N/A	N/A	11.7	12.4	N/A	12.5
1905	10	N/A	N/A	N/A	N/A	8.4	N/A	N/A	N/A	6	8.2	N/A	8.3
1905	11	N/A	N/A	N/A	N/A	2.6	N/A	N/A	N/A	0.1	3.5	N/A	3.8
1905	12	N/A	N/A	N/A	N/A	-1.5	N/A	N/A	N/A	-4.3	-1.7	N/A	0.3
1906	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-5	-2.4	N/A	-0.9
1906	2	N/A	N/A	N/A	N/A	-2.6	N/A	N/A	N/A	-6.1	-2.6	N/A	-1.6
1906	3	N/A	N/A	N/A	N/A	-2.4	N/A	N/A	N/A	-5.1	-2.9	N/A	-1.6
1906	4	N/A	N/A	N/A	N/A	3.6	N/A	N/A	N/A	1.9	1.4	N/A	4.1
1906	5	N/A	N/A	N/A	N/A	9.6	N/A	N/A	N/A	7.3	7.3	N/A	8.8
1906	6	N/A	N/A	N/A	N/A	14.1	N/A	N/A	N/A	12.4	11.7	N/A	12.9
1906	7	N/A	N/A	N/A	N/A	17.5	N/A	N/A	N/A	16.5	19.1	N/A	16
1906	8	N/A	N/A	N/A	N/A	18.5	N/A	N/A	N/A	16.5	18.8	N/A	16.4
1906	9	N/A	N/A	N/A	N/A	13.4	N/A	N/A	N/A	11.9	13.2	N/A	13.1
1906	10	N/A	N/A	N/A	N/A	9.6	N/A	N/A	N/A	7.6	8.9	N/A	9.8
1906	11	N/A	N/A	N/A	N/A	3.7	N/A	N/A	N/A	1.9	3.8	N/A	4.4
1906	12	N/A	N/A	N/A	N/A	-2.6	N/A	N/A	N/A	-6.5	-1.7	N/A	-1.5
1907	1	N/A	N/A	N/A	N/A	-6	N/A	N/A	N/A	-10	-6.1	N/A	-4
1907	2	N/A	N/A	N/A	N/A	-7.6	N/A	N/A	N/A	-10.5	-8.5	N/A	-5.8
1907	3	N/A	N/A	N/A	N/A	-2.5	N/A	N/A	N/A	-6.4	-5.2	N/A	-0.8
1907	4	N/A	N/A	N/A	N/A	3.2	N/A	N/A	N/A	N/A	1.4	N/A	3
1907	5	N/A	N/A	N/A	N/A	8	N/A	N/A	N/A	N/A	5.6	N/A	7.1
1907	6	N/A	N/A	N/A	N/A	12.7	N/A	N/A	N/A	N/A	10.9	N/A	11.6
1907	7	N/A	N/A	N/A	N/A	16.5	N/A	N/A	N/A	N/A	16.1	N/A	15.1
1907	8	N/A	N/A	N/A	N/A	15.6	N/A	N/A	N/A	N/A	16.8	N/A	14.6
1907	9	N/A	N/A	N/A	N/A	14	N/A	N/A	N/A	N/A	13.7	N/A	13.3
1907	10	N/A	N/A	N/A	N/A	7.5	N/A	N/A	N/A	5.1	7.8	N/A	7.6
1907	11	N/A	N/A	N/A	N/A	3.7	N/A	N/A	N/A	1.8	4.2	N/A	4.5

Year	Month	Annapolis Royal	Collegeville	Deming	Greenwood	Halifax	Kentville	Liverpool	Nappan	Parrsboro	Sydney	Upper Stewiacke	Yarmouth
1907	12	N/A	N/A	N/A	N/A	0.1	N/A	N/A	N/A	N/A	0.9	N/A	1.4
1908	1	N/A	N/A	N/A	N/A	-3.6	N/A	N/A	N/A	N/A	-3.1	N/A	-1.4
1908	2	N/A	N/A	N/A	N/A	-4.7	N/A	N/A	N/A	-9	-4.2	N/A	-3.7
1908	3	N/A	N/A	N/A	N/A	-1.3	N/A	N/A	N/A	-4.9	-2.9	N/A	0
1908	4	N/A	N/A	N/A	N/A	2.1	N/A	N/A	N/A	0.1	0.7	N/A	3.4
1908	5	N/A	N/A	N/A	N/A	9.8	N/A	N/A	N/A	7.3	8.1	N/A	9.6
1908	6	N/A	N/A	N/A	N/A	15.2	N/A	N/A	N/A	N/A	14.4	N/A	13.5
1908	7	N/A	N/A	N/A	N/A	18.7	N/A	N/A	N/A	16.2	19	N/A	16.6
1908	8	N/A	N/A	N/A	N/A	16.3	N/A	N/A	N/A	12.7	17.3	N/A	15.4
1908	9	N/A	N/A	N/A	N/A	14.6	N/A	N/A	N/A	12.5	15.8	N/A	13.7
1908	10	N/A	N/A	N/A	N/A	9.9	N/A	N/A	N/A	7.5	10.3	N/A	9.5
1908	11	N/A	N/A	N/A	N/A	3.4	N/A	N/A	N/A	1.5	3.1	N/A	5.4
1908	12	N/A	N/A	N/A	N/A	-3	N/A	N/A	N/A	-8.1	-2.6	N/A	-0.8
1909	1	N/A	N/A	N/A	N/A	-5.3	N/A	N/A	N/A	-8.8	-4.9	N/A	-2.7
1909	2	N/A	N/A	N/A	N/A	-5.1	N/A	N/A	N/A	-8.9	-6.3	N/A	-2.8
1909	3	N/A	N/A	N/A	N/A	-0.6	N/A	N/A	N/A	-2.9	-0.9	N/A	0.6
1909	4	N/A	N/A	N/A	N/A	3.4	N/A	N/A	N/A	1.3	3	N/A	3.9
1909	5	N/A	N/A	N/A	N/A	8.8	N/A	N/A	N/A	7.1	7.3	N/A	8.8
1909	6	N/A	N/A	N/A	N/A	15	N/A	N/A	N/A	N/A	13.8	N/A	12.9
1909	7	N/A	N/A	N/A	N/A	17	N/A	N/A	N/A	N/A	17.3	N/A	15.4
1909	8	N/A	N/A	N/A	N/A	17.3	N/A	N/A	N/A	15.5	17.6	N/A	15.8
1909	9	N/A	N/A	N/A	N/A	14.9	N/A	N/A	N/A	13.3	14.8	N/A	15
1909	10	N/A	N/A	N/A	N/A	9.9	N/A	N/A	N/A	7.6	10.9	N/A	10.1
1909	11	N/A	N/A	N/A	N/A	4.6	N/A	N/A	N/A	3.4	4.9	N/A	5.5
1909	12	N/A	N/A	N/A	N/A	-2	N/A	N/A	N/A	-5.4	0.2	N/A	-0.7
1910	1	N/A	N/A	N/A	N/A	-2.4	N/A	N/A	N/A	-5.2	-1.1	N/A	-0.3
1910	2	N/A	N/A	N/A	N/A	-3.9	N/A	N/A	N/A	-7.4	-4.2	N/A	-2.2
1910	3	N/A	N/A	N/A	N/A	0.6	N/A	N/A	N/A	-0.3	-0.7	N/A	2
1910	4	N/A	N/A	N/A	N/A	5.6	N/A	N/A	N/A	6.3	4.4	N/A	6.8
1910	5	N/A	N/A	N/A	N/A	9.7	N/A	N/A	N/A	8.5	9	N/A	9.9
1910	6	N/A	N/A	N/A	N/A	13.4	N/A	N/A	N/A	11.7	12.8	N/A	13.1
1910	7	N/A	N/A	N/A	N/A	18.3	N/A	N/A	N/A	16.2	18.6	N/A	16.5
1910	8	N/A	N/A	N/A	N/A	17.1	N/A	N/A	N/A	14.9	17.8	N/A	15.9
1910	9	N/A	N/A	N/A	N/A	14.1	N/A	N/A	N/A	11.4	14.5	N/A	13.5
1910	10	N/A	N/A	N/A	N/A	8.9	N/A	N/A	N/A	6.4	9.1	N/A	9.6
1910	11	N/A	N/A	N/A	N/A	4.1	N/A	N/A	N/A	2.8	5	N/A	4.6
1910	12	N/A	N/A	N/A	N/A	-3.1	N/A	N/A	N/A	-7.1	-1.8	N/A	-1.7
1911	1	N/A	N/A	N/A	N/A	-4.6	N/A	N/A	N/A	-7.2	-4.4	N/A	-2.8
1911	2	N/A	N/A	N/A	N/A	-8.2	N/A	N/A	N/A	-12	-9	N/A	-6.1
1911	3	N/A	N/A	N/A	N/A	-2.6	N/A	N/A	N/A	N/A	-4	N/A	-1.3
1911	4	N/A	N/A	N/A	N/A	3.2	N/A	N/A	N/A	1.2	1.6	N/A	3
1911	5	N/A	N/A	N/A	N/A	11.4	N/A	N/A	N/A	10.3	10	N/A	10.4
1911	6	N/A	N/A	N/A	N/A	14.2	N/A	N/A	N/A	13.5	14.3	N/A	14.7
1911	7	N/A	N/A	N/A	N/A	19.4	N/A	N/A	N/A	18.3	19.6	N/A	18.6
1911	8	N/A	N/A	N/A	N/A	17.5	N/A	N/A	N/A	15.6	18	N/A	17
1911	9	N/A	N/A	N/A	N/A	13.3	N/A	N/A	N/A	9.8	13.3	N/A	12.8
1911	10	N/A	N/A	N/A	N/A	7.9	N/A	N/A	N/A	4.9	7.5	N/A	8.9
1911	11	N/A	N/A	N/A	N/A	3	N/A	N/A	N/A	1	2.9	N/A	4.5
1911	12	N/A	N/A	N/A	N/A	-1	N/A	N/A	N/A	-4.2	-0.4	N/A	1
1912	1	N/A	N/A	N/A	N/A	-7.8	N/A	N/A	N/A	N/A	-7.7	N/A	-5.3

Year	Month	Annapolis Royal	Collegeville	Deming	Greenwood	Halifax	Kentville	Liverpool	Nappan	Parrsboro	Sydney	Upper Stewiacke	Yarmouth
1912	2	N/A	N/A	N/A	N/A	-5.5	N/A	N/A	N/A	N/A	-6.7	N/A	-4
1912	3	N/A	N/A	N/A	N/A	-1.5	N/A	N/A	N/A	-6.1	-2.4	N/A	-0.5
1912	4	N/A	N/A	N/A	N/A	3.6	N/A	N/A	N/A	N/A	2.2	N/A	4.2
1912	5	N/A	N/A	N/A	N/A	10.1	N/A	N/A	N/A	7.3	9.7	N/A	9.7
1912	6	N/A	N/A	N/A	N/A	14.1	N/A	N/A	N/A	11.5	13.8	N/A	12.7
1912	7	N/A	N/A	N/A	N/A	18.2	N/A	N/A	N/A	N/A	17.2	N/A	15.7
1912	8	N/A	N/A	N/A	N/A	15.8	N/A	N/A	N/A	N/A	16.3	N/A	15.2
1912	9	N/A	N/A	N/A	N/A	12.8	N/A	N/A	N/A	N/A	11.8	N/A	12.2
1912	10	N/A	N/A	N/A	N/A	9.3	N/A	N/A	N/A	N/A	9	N/A	9.8
1912	11	N/A	N/A	N/A	N/A	4.3	N/A	N/A	N/A	N/A	4.4	N/A	5.5
1912	12	N/A	N/A	N/A	N/A	-1.2	N/A	N/A	N/A	N/A	-0.5	N/A	1.1
1913	1	N/A	N/A	N/A	N/A	-1.3	N/A	N/A	N/A	N/A	-3	N/A	0.5
1913	2	N/A	N/A	N/A	N/A	-7.3	N/A	N/A	N/A	N/A	-8.3	N/A	-3.8
1913	3	N/A	N/A	N/A	N/A	1.5	N/A	N/A	N/A	N/A	0.3	N/A	2.4
1913	4	N/A	N/A	N/A	N/A	5.6	5.5	N/A	N/A	N/A	4.4	N/A	5.7
1913	5	N/A	N/A	N/A	N/A	8.3	7.8	N/A	N/A	N/A	7.1	N/A	7.9
1913	6	N/A	N/A	N/A	N/A	13.2	13.8	N/A	N/A	N/A	11.7	N/A	12.3
1913	7	N/A	N/A	N/A	N/A	17.6	18.6	N/A	N/A	N/A	17.3	N/A	16.3
1913	8	N/A	N/A	N/A	N/A	16.9	17.5	N/A	N/A	N/A	18.1	N/A	15.5
1913	9	N/A	N/A	N/A	N/A	13.2	12.5	N/A	N/A	N/A	13.8	N/A	12.6
1913	10	N/A	N/A	N/A	N/A	13.8	13.7	N/A	13.1	N/A	13.7	N/A	14.2
1913	11	N/A	N/A	N/A	N/A	4.2	3.6	N/A	3.4	N/A	4.2	N/A	5.6
1913	12	N/A	N/A	N/A	N/A	-1.2	-3	N/A	-3.3	N/A	-0.1	N/A	1.4
1914	1	N/A	N/A	-2.9	N/A	-5.8	-6.9	N/A	-9	-9	-5.1	N/A	-3.4
1914	2	N/A	N/A	-6.4	N/A	-8.3	-9.9	N/A	-11.9	N/A	-9.8	N/A	-5.8
1914	3	N/A	N/A	0.9	N/A	-0.8	-0.7	N/A	-1	N/A	-0.8	N/A	0.4
1914	4	1.8	N/A	1.6	N/A	2.9	2.7	N/A	1.1	-1.8	0.4	N/A	3.1
1914	5	9.8	N/A	5.9	N/A	9.3	10.4	N/A	9.5	5.3	8.3	N/A	8.9
1914	6	13.3	N/A	9.2	N/A	12.8	13.5	N/A	12.4	11	11.6	N/A	12.1
1914	7	16.2	N/A	13.9	N/A	15.8	17.2	N/A	16.4	14.4	16.5	N/A	15.1
1914	8	N/A	N/A	16.5	N/A	16.7	17.3	N/A	17.1	14.4	17.7	N/A	15.6
1914	9	N/A	N/A	15	N/A	14.1	14.3	N/A	13.5	11.9	14.5	N/A	13
1914	10	N/A	N/A	10.1	N/A	8.1	9.2	N/A	8.3	7.3	8.3	N/A	9.3
1914	11	N/A	N/A	5.4	N/A	2.3	2.4	N/A	0.9	1.7	3.5	N/A	4.3
1914	12	-3	N/A	-0.9	N/A	-5.6	-5	N/A	-6.6	N/A	-3	N/A	-1.6
1915	1	-3.6	N/A	-1.1	N/A	-4.3	-5	N/A	-5.8	-6	-3.2	N/A	-1.7
1915	2	-3.7	N/A	-1.7	N/A	-2.7	-3.5	N/A	-4.7	-4.1	-3.4	N/A	-1.4
1915	3	-2.2	N/A	0.2	N/A	-0.9	-2.9	N/A	-3.2	-3.1	-1.3	N/A	-0.8
1915	4	6.2	N/A	4.1	N/A	4.8	4.1	N/A	3.2	2.7	3.6	N/A	4.9
1915	5	9.9	N/A	6.9	N/A	8.6	7.9	N/A	7.7	6.2	7.1	N/A	7.9
1915	6	14.7	N/A	11.3	N/A	12.8	13.8	N/A	13.6	12.3	11.6	N/A	13.3
1915	7	17.9	N/A	14.4	N/A	16.8	17.8	N/A	17.3	15.5	16.5	N/A	15.7
1915	8	N/A	N/A	16.4	N/A	17.2	17.7	N/A	17.3	15.3	16.8	N/A	16.2
1915	9	N/A	N/A	15.2	N/A	14.7	14.1	N/A	13.6	12.2	14.3	N/A	14.2
1915	10	N/A	N/A	11.6	N/A	9.8	9.5	N/A	9	7	10	N/A	9.4
1915	11	4.5	N/A	7.5	N/A	5.7	4	N/A	3.6	2.9	5.4	5.6	5.3
1915	12	-1.5	N/A	3.2	N/A	-0.3	-1.6	N/A	-1.9	-2.6	0.8	N/A	0.7
1916	1	-5.8	N/A	-1.7	N/A	-4.8	-5.4	N/A	-7.2	-8.1	-4.4	N/A	-2.9
1916	2	-7.2	N/A	-3.7	N/A	-5.7	-7.4	N/A	-8.6	-8.8	-6.9	N/A	-4.6
1916	3	-5.6	N/A	-2.4	N/A	-3.8	-5.5	N/A	-6.4	-6.6	-4.5	N/A	-3.2

Year	Month	Annapolis Royal	Collegeville	Deming	Greenwood	Halifax	Kentville	Liverpool	Nappan	Parrsboro	Sydney	Upper Stewiacke	Yarmouth
1916	4	4.8	N/A	3.5	N/A	4.3	4.4	N/A	3.5	3.5	2.4	4.5	4
1916	5	10.6	N/A	6.8	N/A	9	9.8	N/A	8.9	7.4	8	9.2	8
1916	6	15.1	11.7	11.5	N/A	13.5	15.2	N/A	14.6	12.5	13.4	15	12.7
1916	7	17.4	15.3	14.6	N/A	17.7	18.9	N/A	17.3	14.9	17.6	18	15
1916	8	17.5	17.2	17.8	N/A	17.8	18.3	N/A	17.7	15.9	18.7	17.7	15.9
1916	9	13.5	N/A	16.6	N/A	14.3	15	N/A	14.3	12	15.5	13.1	13.7
1916	10	8.9	7.3	11	N/A	9.7	9.5	N/A	8.1	8	10.3	8.5	9.1
1916	11	2	-0.3	5.6	N/A	2.2	2.2	N/A	0.1	-0.7	2.4	0.4	3.6
1916	12	-2	-2.4	1	N/A	-0.8	-2.3	N/A	-3	-2.2	0.9	-1.5	0.1
1917	1	-6.3	-9.5	-4.3	N/A	-5.7	-7.3	N/A	-9	-9.8	-6.7	-8.2	-3
1917	2	-7.7	-9.5	-6	N/A	-6.1	-7.6	N/A	-9.4	-10.7	-7.3	-8.9	-4.7
1917	3	-1.9	-3.8	-1.8	N/A	-1.2	-1.9	N/A	-2.6	-3.7	-2.4	-2.3	-0.2
1917	4	N/A	2.5	N/A	N/A	4.5	3.6	N/A	3.2	3	3.5	4.6	3.8
1917	5	7	4.6	4.6	N/A	6.8	6.5	N/A	5.3	5.4	5.5	6.4	6.1
1917	6	15.2	N/A	N/A	N/A	13.3	15.7	N/A	15.1	13.4	14.7	15.1	12.3
1917	7	N/A	N/A	14.3	N/A	17.5	18.8	N/A	18.2	16.3	17.6	18.8	15
1917	8	18.9	18.5	18.5	N/A	18.4	19.8	N/A	19.7	17.5	19	19.8	17.7
1917	9	11.6	11.2	14.8	N/A	12.7	12.2	N/A	12.1	10.7	14.5	11.2	11.7
1917	10	9.5	8.7	11	N/A	9.9	9.3	N/A	8.9	7.6	10.6	8.9	9.4
1917	11	0.1	0.8	4.7	N/A	1.7	0.6	N/A	-0.2	-0.3	3.5	0.8	2.2
1917	12	-6	-6	-0.6	N/A	-5.1	-6.9	N/A	-9.1	-8.6	-2.3	-7.2	-4.2
1918	1	-8.3	-8.5	-4.1	N/A	-6.6	-7.7	N/A	-9.9	-10.8	-5.6	-8.5	-5.5
1918	2	-8.3	-9.9	-8	N/A	-7.1	-7.6	N/A	-10.5	-11.2	-8.3	-10.3	-4.9
1918	3	-4.3	-6.6	-3.2	N/A	-3.9	-4.2	N/A	-6.3	-6.3	-5.9	-5.8	-1.6
1918	4	4.4	0.9	2.1	N/A	3.9	3.8	N/A	2.8	1.1	2.2	3.4	3.9
1918	5	12	9.2	5.5	N/A	10.8	12.2	N/A	10.8	8.5	9.3	11.2	9.4
1918	6	14.2	11.8	9.9	N/A	13	14.2	N/A	13.3	11.5	12.4	13.4	12.3
1918	7	18.5	16.8	14.4	N/A	16.8	18.6	N/A	17.8	16.4	17.2	18.2	16.4
1918	8	16.1	15.2	16.4	N/A	15.9	16.6	N/A	15.7	13.9	17	16.1	15.4
1918	9	14.9	13.8	13.8	N/A	14.2	14.8	N/A	14.1	13.2	15.7	13.8	14.2
1918	10	8.9	7.5	9.4	N/A	9.4	9.3	N/A	8.3	6.1	9.7	9.1	9.3
1918	11	3	1	4.9	N/A	3.1	2.1	N/A	1.5	1.3	3.7	1.9	4.5
1918	12	-3.3	-3.1	0.2	N/A	-2	-2.6	N/A	-4.9	-5	-1.7	-3.1	-0.4
1919	1	-4.6	-4.6	-2	N/A	-3	-4.3	N/A	-6.1	-5.1	-3	-4	-0.9
1919	2	-4.4	-5.4	-1.5	N/A	-3.2	-3.7	N/A	-4.6	-4.6	-3.2	-4.7	-1.6
1919	3	0.5	-2.1	-0.6	N/A	0.1	0.8	N/A	-1.2	-0.9	-1.2	-0.4	2
1919	4	4.8	2.9	3.6	N/A	4.5	4.7	N/A	3.7	3	3.6	4.8	4.5
1919	5	9.9	7.3	6.6	N/A	9	9.9	N/A	9.1	7.8	8.7	9.2	9.2
1919	6	15.6	12.4	10.1	N/A	13.8	15.3	N/A	14.8	13.4	13	14.9	13.6
1919	7	17.8	16.1	13.2	N/A	17.1	18.4	N/A	17.3	N/A	17	17.4	15.8
1919	8	16.5	16.9	16.7	N/A	16.2	17.4	N/A	17.2	15.4	18.1	17.1	15.2
1919	9	14.8	13.2	13.9	N/A	13.9	14.5	N/A	13.8	12.9	14.5	13.2	13.6
1919	10	8	5.8	8.9	N/A	7.9	7.4	N/A	6.2	6	7.7	6.4	7.9
1919	11	4.1	2.2	5.4	N/A	4.1	3	N/A	2.2	1.6	4.4	3.7	5.1
1919	12	-6.1	-6.1	-2.8	N/A	-4.5	-6.2	N/A	-7.9	-8.3	-3.9	-6.6	-2.7
1920	1	-10.8	-12.5	-8.9	N/A	-10.1	-12.2	N/A	-13.9	-13.3	-11.1	-12.4	-7.1
1920	2	-5.1	-4.8	-2.7	N/A	-4.2	-5.7	N/A	-6.7	-7	-4.1	-4.7	-3
1920	3	-0.4	-0.9	0.1	N/A	0.1	-0.5	N/A	-1.2	-3.1	-0.4	-1.1	0.9
1920	4	3.5	1.8	N/A	N/A	3.3	3.4	N/A	2.6	N/A	2.3	3	4.4
1920	5	10	N/A	6.3	N/A	8.1	9.3	N/A	8.9	7.1	7.8	8.8	8.4

Year	Month	Annapolis Royal	Collegeville	Deming	Greenwood	Halifax	Kentville	Liverpool	Nappan	Parrsboro	Sydney	Upper Stewiacke	Yarmouth
1920	6	13.5	13	9.3	N/A	13.7	14.5	N/A	13.7	12.2	13.3	14.2	12.5
1920	7	17.3	17.1	13.3	N/A	17.1	19	N/A	18.1	15.8	18.9	17.7	15.3
1920	8	18.7	18.7	17.3	N/A	17.8	20	N/A	18.9	16.4	20.5	19.1	16.7
1920	9	14.4	13.3	15.1	N/A	14.4	14.8	N/A	14.2	13.4	14.6	14.8	14.3
1920	10	11.4	8.6	10.4	N/A	10.7	10.5	N/A	10.1	9.2	10.6	9.8	10.8
1920	11	1.7	-0.3	4	N/A	2.1	1.1	N/A	-0.1	-0.5	1.9	0.3	3.5
1920	12	-2.3	-3.2	-0.4	N/A	-1.4	-2.7	N/A	-4	-3.9	-0.9	-2.5	0.4
1921	1	-5.5	-6.2	-2.1	N/A	-4.7	-5.9	N/A	-7.4	-8.1	-5.5	-6.9	-2.7
1921	2	-6.8	-9.5	-6.7	N/A	-5.9	-7.7	N/A	-9.1	-9.9	-8.4	-9.5	-3.6
1921	3	2.5	-0.2	-0.2	N/A	1.3	2.2	N/A	0.6	0.4	-0.5	1.3	2.3
1921	4	7.1	3.6	2.4	N/A	5	6.4	N/A	5.1	4.7	3.8	6.1	6.9
1921	5	10.7	8.5	7.9	N/A	10.5	10.7	N/A	9.7	8.6	8.8	10	9.9
1921	6	15	12.2	12	N/A	13.8	14.9	N/A	14	12.8	13.5	13.6	12.9
1921	7	18.9	19.3	15.9	N/A	18.2	20.7	N/A	19.4	17.7	19.4	19.5	16.9
1921	8	16.2	14.8	N/A	N/A	15.8	16.8	N/A	16	14.1	16.6	15.6	15.1
1921	9	15.1	13.6	14.5	N/A	14.3	15.2	N/A	14.6	12.1	14.7	14.3	14.3
1921	10	10.4	8.1	N/A	N/A	9.2	9.5	N/A	8.4	7.5	9.5	8.5	10.4
1921	11	1.7	-0.1	4.3	N/A	1.8	1	N/A	-0.5	-1	1.7	1.4	3.3
1921	12	-3.1	-4.1	1.2	N/A	-3	-4.4	N/A	-5.7	-6.4	-1.8	-4.1	-0.5
1922	1	-7.3	-8.4	-3.3	N/A	-6.5	-7.7	N/A	-9.5	-9.7	-6.3	-8.7	-3.7
1922	2	-6.3	-8.3	-5.4	N/A	-5.8	-6.8	N/A	-9	-8.9	-8.8	N/A	-3.1
1922	3	-0.3	-2.7	-1	N/A	-1	-0.5	N/A	-1.4	-2.3	-3.3	0	1.1
1922	4	5	2.4	4	N/A	4.3	4.4	N/A	3.5	3	2.7	4.4	4.5
1922	5	11.1	7.7	6.1	N/A	10	10.6	N/A	9.5	8.5	8	9.3	9.6
1922	6	17.2	15.9	10.1	N/A	15	17.7	N/A	16.8	15.3	14.5	17.3	14.4
1922	7	18.2	17.1	14.4	N/A	16.6	18.4	N/A	17.1	15.8	17	18	15.5
1922	8	17.2	18.2	17.1	N/A	17.4	19.2	N/A	18	17.3	18.7	18.8	16.2
1922	9	12.8	12.8	15.2	N/A	13.1	13.5	N/A	13.1	11.9	14.1	13.1	12.6
1922	10	8	7.7	10.7	N/A	8.5	8.5	N/A	7.9	6.8	8.8	8.3	8.8
1922	11	2.5	0.3	3.2	N/A	1.6	1.2	N/A	0	-0.2	2	0.9	3
1922	12	-5.9	-6.3	N/A	N/A	-4.9	-5.8	N/A	-7.8	-8.1	-4.5	-6.8	N/A
1923	1	-7.6	-7.2	-6	N/A	-7	-8.6	N/A	-10.6	-10	-7.2	-7.3	N/A
1923	2	-11.5	-13.3	-10.1	N/A	-10.5	-11.8	N/A	-13.7	-14.7	-13	-13.7	-7.5
1923	3	-6.8	-6.7	-2.7	N/A	-5.3	-6.3	N/A	-7.5	-7.9	-6.6	-7.3	-3.4
1923	4	2	1.1	2.2	N/A	2.4	2.6	N/A	1.8	0.4	1	3.1	3.2
1923	5	10	7.4	7.3	N/A	9.7	9.7	N/A	8.7	7.4	7.8	9.7	8.4
1923	6	13.3	12	10.9	N/A	13.6	14.3	N/A	13.3	11.3	12.2	13.7	12.2
1923	7	16.2	15.6	12.7	N/A	16.6	17.3	N/A	16.5	15.1	16.7	16.8	14.7
1923	8	15.4	14.9	14.2	N/A	15.9	15.9	N/A	15.8	13	15.6	15.5	14.1
1923	9	13.5	12.4	11.2	N/A	13.9	13.7	N/A	13.1	12.3	13.5	12.9	13.3
1923	10	9.6	9.4	9.6	N/A	10.2	9.1	N/A	9.3	7.1	10	8.7	9.9
1923	11	4.6	4.7	5.3	N/A	5.4	4.6	N/A	4.1	3.8	6.1	5.1	5.5
1923	12	N/A	-0.9	1.9	N/A	0.2	-0.4	N/A	-1.3	-1.6	1.5	-1	1.9
1924	1	-5.1	-5.6	-3.3	N/A	-4.5	-5.4	N/A	-7.7	-7.7	-4.8	-6.4	-1.8
1924	2	-8	-10.6	-3.9	N/A	-6.8	-8.1	N/A	-9.8	-10.2	-8.7	-9.5	-4.7
1924	3	-1.4	-1.4	1	N/A	0.4	-0.8	N/A	-1.4	-1.4	-0.5	-0.8	0.6
1924	4	3.7	0.9	3.8	N/A	3.2	2.9	N/A	2.3	1.3	1.6	2.8	3.8
1924	5	10.9	8.9	6.8	N/A	10	10.6	N/A	10.3	7.3	9	8.1	8.6
1924	6	13.8	12.9	11.1	N/A	14.5	14.9	N/A	14.2	12.1	13.9	14.1	12.2
1924	7	18.1	17.9	14.8	N/A	18.7	19.7	N/A	18.6	16.4	19.2	18	15.8

Year	Month	Annapolis Royal	Collegeville	Deming	Greenwood	Halifax	Kentville	Liverpool	Nappan	Parrsboro	Sydney	Upper Stewiacke	Yarmouth
1924	8	17.9	17.7	17.3	N/A	18	18.3	N/A	17.4	16.6	18.6	17.7	16.1
1924	9	13.2	12.8	13.9	N/A	13.8	13.3	N/A	13	11	14.7	13.2	13.1
1924	10	9	7.5	10.8	N/A	9.4	8.6	N/A	7.6	6.9	8.9	7.7	9.1
1924	11	4.6	3.2	7.1	N/A	4.8	3.7	N/A	3.3	3	4.5	3.6	5.6
1924	12	-4.8	-5.1	-2.5	N/A	-4.5	-5.1	N/A	-7.3	-7.5	-4.1	-5.9	-2.2
1925	1	-8.9	-10.1	-7.2	N/A	-9.1	-10.4	N/A	-12.4	-12.1	-10.8	-10.7	-6.3
1925	2	-2	-2.7	-1.3	N/A	-2	-2.5	N/A	-3.2	-4.4	-2.9	-2.1	-0.1
1925	3	2.2	-0.3	0.2	N/A	1.2	1.2	N/A	1.2	-0.5	0.1	1.9	2.4
1925	4	4.6	2.3	N/A	N/A	3.8	3.9	N/A	2.8	2.9	2.8	3.6	4.1
1925	5	9.5	7.6	6.9	N/A	9.5	9.7	N/A	8.8	7.1	8.2	8.8	8.2
1925	6	15.2	14.1	11.8	N/A	15	16.2	N/A	15.2	13.1	13.5	14.8	13
1925	7	18	17.7	15.3	N/A	17.2	18.7	N/A	17.8	16.7	17.4	17.9	15.8
1925	8	17.7	18	16.9	N/A	18.2	18.2	N/A	17.7	15.5	18.4	17.4	16
1925	9	12.7	12.3	11.6	N/A	13.7	12.6	N/A	11.6	10.2	12.5	12.1	12.5
1925	10	5.9	4.2	10	N/A	6.1	5.2	N/A	4.3	4.3	5.6	5	6.8
1925	11	2.8	1.7	3.6	N/A	2.6	2.2	N/A	1.4	1.2	2.1	2.1	3.3
1925	12	-4.4	-5.2	N/A	N/A	-3.5	-4.7	N/A	-5.8	-7.1	-4	-4.1	-1.2
1926	1	-6.1	-7.1	N/A	N/A	-5.1	-6.1	N/A	-7.9	-8.9	-6.4	-6.7	-3.2
1926	2	-7.5	-8.9	N/A	N/A	-6.3	-8.2	N/A	-9.1	-10.8	-7.9	-8.7	-4.5
1926	3	-4.7	-4.7	N/A	N/A	-2.7	-4.4	N/A	-6	-6.6	-3.5	-4.1	-1.9
1926	4	2.4	0	N/A	N/A	2.2	1.6	N/A	0.6	-0.3	0.8	1.1	2.8
1926	5	9.8	6.7	N/A	N/A	8.3	8.5	N/A	8.3	7	6.7	7.8	8.1
1926	6	14	12.6	N/A	N/A	13.2	15	N/A	14.5	12.1	13.4	13.9	12
1926	7	16.9	16.7	14.1	N/A	16.7	17.9	N/A	17.7	14.8	17.1	17.4	15.4
1926	8	16.9	16.2	17.1	N/A	16.3	17.5	N/A	16.1	14.3	16.7	16.2	15.5
1926	9	N/A	11.8	14.4	N/A	13.2	12.5	N/A	11.6	10.2	13.5	12.3	12.6
1926	10	9.6	8.1	N/A	N/A	9.2	8.9	N/A	8.1	7.5	9.3	8.7	8.9
1926	11	4.6	3.1	6.3	N/A	4.2	3.7	N/A	2.8	2.5	4.2	3.1	5.3
1926	12	-4.8	-4.2	-0.2	N/A	-3.5	-4.7	N/A	-7.1	-7.2	-2.3	-5	-2.2
1927	1	-2.9	-2.2	0.4	N/A	-2.2	-2.8	N/A	-4.1	-5.1	-1.9	-2.1	-1.2
1927	2	-6.6	-8.4	-0.5	N/A	-6.4	-8	N/A	-9.3	-9.6	-8.5	-8	-3.4
1927	3	-1	-3.1	2.3	N/A	-1.2	-1.5	N/A	-2.7	-3.2	-2.2	-1.6	0.8
1927	4	4	1.3	2.7	N/A	2.5	3.9	N/A	3	1.6	2.1	3.1	3.7
1927	5	9.8	7.2	6.3	N/A	8.1	9.5	N/A	7.9	7.1	7.1	9.3	8.2
1927	6	14.3	11.9	11	N/A	12.2	14.3	N/A	13.8	12.2	12.3	13.4	12.5
1927	7	19	18.6	15	N/A	16.4	20.3	N/A	19.1	16.8	18.9	19.9	16.2
1927	8	17.3	16.7	16.7	N/A	15.8	17.5	N/A	17	14.6	18.3	18.1	16
1927	9	14.2	13.1	15	N/A	13.5	14.5	N/A	13.9	11.9	14.6	13.9	13.2
1927	10	11.1	9.6	11.8	N/A	10.1	10.6	N/A	9.8	9.2	11	10.4	10.6
1927	11	6.3	4.3	7.5	N/A	5	5.6	N/A	4.3	4.2	5.6	5.6	6.7
1927	12	-0.9	-1.6	2.1	N/A	-0.8	-1.2	N/A	-2.5	-3.1	-0.1	-0.9	1
1928	1	-5.2	-5.5	-0.9	N/A	-4	-5.5	N/A	-6.7	-6.2	-5	-6	-1.9
1928	2	-6.1	-7.7	-4	N/A	-5.8	-7.1	N/A	-8.1	-8.7	-7.7	-7.8	-3.7
1928	3	-1.6	-3.6	-0.6	N/A	-1.5	-2.1	N/A	-2.5	-3.7	-2.5	-2.4	-0.5
1928	4	5.6	2.8	2.9	N/A	4.4	5.2	N/A	4.6	3.4	3.7	4.8	4.4
1928	5	11.4	8.5	6.2	N/A	8.6	10.9	N/A	10.6	8.1	9	9.9	8.7
1928	6	15	12.8	11.2	N/A	13.2	14.8	N/A	14.5	12.3	13.9	14.1	12.4
1928	7	18.6	17.5	15.8	N/A	17.7	20	N/A	18.6	16.8	18.4	18.5	16.6
1928	8	18.9	17.2	17.1	N/A	17.5	19.2	N/A	18.2	16.9	18.4	18.4	17.9
1928	9	13.5	12.2	14.5	N/A	13.6	13	N/A	12.4	11.7	14.2	12.8	13.8

Year	Month	Annapolis Royal	Collegeville	Deming	Greenwood	Halifax	Kentville	Liverpool	Nappan	Parrsboro	Sydney	Upper Stewiacke	Yarmouth
1928	10	9.2	7.2	9.2	N/A	9.1	8.4	N/A	8.2	6.3	9	7.7	9.5
1928	11	2.8	1.4	4.5	N/A	2.7	1.7	N/A	1	1.2	2.9	2.3	4.2
1928	12	-0.3	-1	2.5	N/A	0.3	-0.3	N/A	-2.2	-2.8	0.2	-0.8	1.9
1929	1	-6	-6.5	-1	N/A	-4.6	-6.1	N/A	-7.3	-7.8	-5	-6.2	-2.9
1929	2	-5.3	-7.1	0.8	N/A	-4	-6.1	N/A	-7	-8.1	-6	-6.7	-2.6
1929	3	-0.9	-3.6	-0.6	N/A	-1.1	-0.8	N/A	-2.2	-3.1	-2.9	-2	0.2
1929	4	4.3	0.6	2.4	N/A	3.1	3.7	N/A	2.6	1.9	1.6	2.6	3.9
1929	5	11.3	8.2	6.5	N/A	9.8	11	N/A	9.6	8.8	8.3	N/A	9.1
1929	6	15.6	13.5	11.2	N/A	13.9	15.7	N/A	14.6	14.1	13.6	14.1	13.5
1929	7	17.7	16.9	13.8	N/A	17.2	18.9	N/A	18.1	16	18.6	17.3	16
1929	8	17.5	15.5	15.7	N/A	16	17.6	N/A	17.3	15.5	18.4	16	16
1929	9	14.6	13.9	15.4	N/A	14.8	15.4	N/A	13.6	12.7	15.7	13.9	14
1929	10	9.3	7.7	10	N/A	9.3	8.5	N/A	7.9	N/A	9.8	8.2	9.5
1929	11	2.4	0.9	4.1	N/A	3.5	2.2	N/A	1.4	0.7	2.6	1.4	4
1929	12	-4.8	-5.8	-1.4	N/A	-3.2	-5.4	N/A	-6.9	-7.4	-3.9	-5.6	-1
1930	1	-4.8	-6.7	-2.4	N/A	-4.1	-5.5	N/A	-8.3	-7.5	-6.2	-6.2	-2
1930	2	-5.4	-7.2	-3	N/A	-4.5	-5.8	N/A	-7.9	-8.1	-6.5	-6.4	-2.7
1930	3	-0.7	-2	0.2	N/A	-0.3	-0.5	N/A	-1.3	-3.3	-0.6	-0.6	0.8
1930	4	4.1	1.7	3.1	N/A	3.6	3.8	N/A	3.2	2.2	3.3	2.6	4.1
1930	5	10.1	6.9	6.7	N/A	8.9	9.8	N/A	9.2	8.1	8.2	7.5	9.3
1930	6	18.8	17.7	12	N/A	16.8	20.9	N/A	18.7	16.4	18.6	18.1	15.7
1930	7	19.1	17.7	16.3	N/A	17.3	19.6	N/A	18.9	16.9	19.7	17.6	16.7
1930	8	17.7	16.4	17.2	N/A	17	18	N/A	17.6	15.9	18.7	16.6	17
1930	9	15.4	13	16.1	N/A	15.2	15.2	N/A	14.9	12.8	15.2	13.9	15.1
1930	10	10.2	8.6	12.7	N/A	10.4	9.5	N/A	8.3	8.1	10.5	8.5	11.1
1930	11	3.3	2.4	5.3	N/A	3.8	3	N/A	2.6	1.8	4.6	2.3	5.1
1930	12	-3.3	-4.3	0.8	N/A	-2.3	-3.2	N/A	-5	-5.4	-0.7	-4.9	-0.5
1931	1	-5.2	-6.6	-1	N/A	-4.2	-5.8	N/A	-7.7	-8.2	-3.7	-6.9	-1.8
1931	2	-4.3	-5.3	-0.8	N/A	-3	-4.5	N/A	-6.3	-7.3	-3.4	-4.7	-2
1931	3	1.3	-1.5	1.8	N/A	1	0.5	N/A	-0.3	-0.2	0.3	0.3	2.1
1931	4	6.6	3.8	5.1	N/A	6	6.4	N/A	5.1	4.9	4.9	4.8	6
1931	5	11.1	9.7	7.7	N/A	10.6	11.8	N/A	10.8	8.2	10.2	10.2	10
1931	6	15.2	12.4	12.2	N/A	14.4	15	N/A	14.5	13.9	13.7	13.3	14.5
1931	7	19.9	19.2	16.2	N/A	18.2	21	N/A	19.9	17.8	20.2	19.4	18
1931	8	18	17.1	17.2	N/A	18	18.9	N/A	17.6	17.4	18.3	16.7	17.6
1931	9	14.2	12.6	14.9	N/A	14	14.1	N/A	13	12.6	14.5	13	14.3
1931	10	10.6	8.2	10.2	N/A	9.8	10	N/A	9	8.2	10	8.6	10.7
1931	11	6.4	3.8	6.3	N/A	5.5	6.1	N/A	5.4	4.3	5.6	3.8	7
1931	12	-2.4	-3.7	0.7	N/A	-1.5	-2.6	N/A	-3.6	-5.3	-1.4	-3.6	0.5
1932	1	-2.3	-4	0.4	N/A	-1.8	-2.7	N/A	-3.7	-4.3	-2.2	-3.6	-0.1
1932	2	-7.7	-9.9	-4.4	N/A	-6.4	-7.7	N/A	-9	-10.3	-8.9	-9	-4.4
1932	3	-2.4	-3.1	0.3	N/A	-1.1	-1.8	N/A	-3.3	-4.5	-1.8	-2.2	-0.2
1932	4	5.2	2.6	3.9	N/A	4	4.5	N/A	3.5	2.7	4	3.3	4.9
1932	5	10.3	7.6	6.8	N/A	9.3	10.9	N/A	9.1	6.9	8.9	8.8	9.2
1932	6	14.6	12.4	10.6	N/A	13.8	15.3	N/A	13.8	12.6	13.6	12.9	13
1932	7	17.7	16.3	15.2	N/A	16.2	18.5	N/A	17.4	16	17.4	15.9	15.6
1932	8	18.8	17.8	17.5	N/A	17.6	19.2	N/A	18	15.5	19.1	17.7	17.4
1932	9	15.5	13.5	14.8	N/A	14.6	15.3	N/A	13.8	12.7	14.8	13.6	15.2
1932	10	11.6	8.8	9.2	N/A	10	10.6	N/A	9.7	9.3	10	8.8	11.5
1932	11	3.9	3.4	4.4	N/A	3.1	2.9	N/A	2.3	1.8	3.8	2.2	4.5

Year	Month	Annapolis Royal	Collegeville	Deming	Greenwood	Halifax	Kentville	Liverpool	Nappan	Parrsboro	Sydney	Upper Stewiacke	Yarmouth
1932	12	0	-2	1	N/A	0	-0.9	N/A	-2.4	-3.2	-0.8	-2	1.6
1933	1	-2	-3.4	0.2	N/A	-1.4	-2.2	N/A	-3.9	-3.8	-2.1	-2.7	0.3
1933	2	-2.4	-3.7	0.1	N/A	-1.6	-2.8	N/A	-4	-4.6	-2.5	-2.3	-0.1
1933	3	-2.4	-4	-0.6	N/A	-1.8	-2.5	N/A	-3.8	-3.4	-2.5	-2.7	-0.4
1933	4	5.4	2	2	N/A	3.5	4.5	N/A	3.1	2.4	3.4	4.3	5.3
1933	5	10.5	6.9	5.7	N/A	9.1	10.8	N/A	9.5	7.2	8.3	9.6	8.7
1933	6	15	12.8	10.1	N/A	14.1	16.2	N/A	15.2	13.7	14	15.3	13.9
1933	7	17.2	15.6	14	N/A	16.2	18	N/A	17.5	15.9	17.3	17.1	16.3
1933	8	18.4	17	16.4	N/A	17.8	18.8	N/A	17.2	16.1	18.5	18.3	17
1933	9	14.7	13	13.8	N/A	13.8	14.9	N/A	14	12.3	14.6	14.2	14.4
1933	10	10	9.3	11	N/A	9.1	9.4	N/A	8.9	7.7	10.4	9.6	10.1
1933	11	-0.4	-0.2	2	N/A	0.5	-1.2	N/A	-2	-2.3	0.7	0.3	2.3
1933	12	-7.2	-7	-3.5	N/A	-6.6	-7.9	N/A	-10.2	-10.4	-6	-7.3	-3.7
1934	1	-7.8	-9.2	-4.5	N/A	-7.4	-8.5	N/A	-11	-10.5	-9.1	-8.6	-4.6
1934	2	-9.7	-10.3	-4.8	N/A	-9.5	-10.3	N/A	-12.2	N/A	-9.3	-9.8	-6.8
1934	3	-2	-3.3	-0.9	N/A	-2.2	-1.8	N/A	-3.7	-3.9	-3.3	-1.9	0
1934	4	6.4	4.8	3.8	N/A	4.4	6.7	N/A	5.5	3.7	3.3	6.4	5.6
1934	5	10.9	9.9	7	N/A	9.7	11.4	N/A	10.3	8.3	9.1	10.7	9.9
1934	6	14.1	12.2	10	N/A	12.7	14.6	N/A	13.5	11.8	11.9	13	12.8
1934	7	18.3	17.8	15.7	N/A	17.9	19.4	N/A	17.8	16.5	18.4	18.9	16.5
1934	8	16.9	16.5	17.1	N/A	16.8	17.6	N/A	16.1	15.1	18.7	16.5	15.9
1934	9	16.9	16.1	17.7	N/A	16.8	17.4	N/A	16.2	14.8	17.7	17.1	17
1934	10	9	8.3	10.4	N/A	9	8.4	N/A	6.5	6.4	9.5	8.6	9.6
1934	11	5.2	3.6	5.8	N/A	4.7	4.4	N/A	3	3.5	5.3	4.4	6
1934	12	-5.4	-6.4	-1.7	N/A	-5.7	-6.1	N/A	-8.5	-8.2	-3.5	-7.6	-2.2
1935	1	-7.3	-7.7	-3.5	N/A	-7	-7.9	N/A	-10.2	-10.2	-5.6	-7.8	-4.6
1935	2	-7	-8.8	-3.8	N/A	-6.7	-8	N/A	-11	-10.8	-7.9	-8.7	-3
1935	3	-2.7	-5.5	-2.4	N/A	-2.8	-3.1	N/A	-5.2	-5.4	-4.8	-4.5	-0.4
1935	4	4.3	0.5	2.8	N/A	2.8	3.9	N/A	2.5	1.6	1.6	2.5	4.4
1935	5	10.1	7	6.3	N/A	8.6	9.9	N/A	8.6	6.9	6.8	8.8	8.4
1935	6	16	14.6	10.6	N/A	13.3	16.7	N/A	15.7	13.6	13.4	16	13.8
1935	7	18.7	18.3	13.8	N/A	17.9	20.5	N/A	18.5	17.5	18.9	18.7	17.1
1935	8	19.1	18.7	17.5	N/A	18.7	19.7	N/A	18.7	17.7	19.5	19.2	17.4
1935	9	13.2	12.5	12.8	N/A	13	13.3	N/A	11.9	11.1	13.5	12.7	12.8
1935	10	8.8	8.1	9.3	N/A	9	8.4	N/A	7.5	6.2	9	7.9	9.4
1935	11	6.2	5.3	7.5	N/A	6.1	5.7	N/A	4.2	4.1	5.9	5.9	7.4
1935	12	-4.3	-2.7	0.8	N/A	-3.7	-3.6	N/A	-6	-5.3	-0.8	-3.7	-1.5
1936	1	-5.5	-5	-1.3	N/A	-4.2	-5.4	N/A	-7.3	-7.7	-2.7	-5.3	-2
1936	2	-7.6	-9.6	-5.3	N/A	-7.7	-8.1	N/A	-10.2	-10.8	-6.8	-9.6	-4.7
1936	3	3.5	3	2	N/A	1.8	3.8	N/A	2.3	1	2.2	3.3	4.4
1936	4	4.5	3.7	3.9	N/A	3.8	4.7	N/A	3.6	3.3	4.4	4.5	4.5
1936	5	11	9.4	6.1	N/A	8.9	11	N/A	9	8.2	8.2	9.9	9.4
1936	6	16.3	14.9	11.8	N/A	13.8	17.2	N/A	15.7	13.7	15.4	16.8	14.5
1936	7	17.1	15.1	15.7	N/A	16.1	17.8	N/A	16.8	14.9	17	16.4	16.1
1936	8	17.4	16.4	17.1	N/A	16.5	18	N/A	15.8	15	17.5	16.7	16.2
1936	9	13.9	12.7	14	N/A	13.3	13.8	N/A	12.1	11.6	13.6	13.1	13.5
1936	10	8.9	8.5	9.7	N/A	8.7	8.5	N/A	6.8	6.4	8.8	7.7	9.4
1936	11	2.1	2.3	5	N/A	3.1	1.9	N/A	0.5	0.8	3.2	2.8	4.2
1936	12	-1.5	-2.1	0.8	N/A	-1.5	-2.4	N/A	-4	-3	-1	-1.9	0.7
1937	1	-2.1	-4.1	-1.6	N/A	-2.9	-3.1	N/A	-5.5	-4.5	-4.1	-4	-0.3

Year	Month	Annapolis Royal	Collegeville	Deming	Greenwood	Halifax	Kentville	Liverpool	Nappan	Parrsboro	Sydney	Upper Stewiacke	Yarmouth
1937	2	-3.5	-4.9	-1.2	N/A	-3.5	-3.6	N/A	-6.2	-5.3	-3.8	-4.5	-0.8
1937	3	-2.9	-3	-1	N/A	-2.3	-2	N/A	-4	-4.8	-2	-2.9	-0.2
1937	4	5	2	2.9	N/A	3.1	4.4	N/A	3.2	2.4	2.9	3.4	5.1
1937	5	12.2	10.4	6.8	N/A	9.9	12.2	N/A	10.9	10.1	9.9	11.1	10.9
1937	6	16.1	15.4	12.1	N/A	14.5	16.9	N/A	15.6	13.7	15.8	15.6	15.5
1937	7	19	19	17.2	N/A	18.9	20.4	N/A	18.7	17.7	19.7	18.7	17.3
1937	8	20.4	20.8	18.8	N/A	19.8	21.1	N/A	19.8	17.7	21	20.9	18.2
1937	9	15.2	15.4	15.6	N/A	15	15	N/A	14.6	13.5	16.3	15	14.6
1937	10	9.6	8.7	9.8	N/A	9	8.6	N/A	7.6	7.1	9.5	8.5	9.7
1937	11	4.9	3.4	5.1	N/A	4.2	3.3	N/A	2	1.6	4.4	3	5.7
1937	12	-2.5	-2	0.7	N/A	-2.1	-2.9	N/A	-4.4	-4.6	-0.6	-2.6	-0.2
1938	1	-5.5	-6.3	-4.2	N/A	-5	-6	N/A	-8.5	-8	-4.4	-6.6	-2.8
1938	2	-6.8	-9.1	-5	N/A	-6.9	-8	N/A	-10.3	-9.9	-8.2	-8.6	-3.9
1938	3	-2.8	-5.1	-2.1	N/A	-2.5	-3.6	N/A	-5.9	-5.3	-4.5	N/A	-0.4
1938	4	6.2	3.4	2.7	N/A	4.4	5.8	N/A	3.9	3.8	3.6	4.3	5.6
1938	5	9.9	6.5	6.5	N/A	8.7	9.6	N/A	8.9	7.4	8	8.6	9
1938	6	16.3	15.4	11.7	N/A	15.3	17.7	N/A	16.7	14.9	16.6	16.5	13.9
1938	7	18.7	17.7	14.7	N/A	17.3	19.6	N/A	18.5	16.5	18.9	19.2	16
1938	8	19.3	17.3	19.4	N/A	18.9	19.7	N/A	19.1	16.9	19.9	19.3	18
1938	9	14.7	14	14.7	N/A	14.4	14.4	N/A	13.9	13	15.3	13.9	14.2
1938	10	10.5	9.8	10	N/A	10.8	9.7	N/A	9.5	8.5	10.7	9.1	10.7
1938	11	4.4	5.4	6.4	N/A	5.6	4.3	N/A	3	1.8	5.4	4.3	6
1938	12	-1.4	-1.2	1.1	N/A	-0.8	-1.9	N/A	-3	-2.4	-0.3	-2	0.6
1939	1	-6.3	-6.1	-3.9	N/A	-5.6	-6.1	N/A	-8	-7.3	-4.4	-6.4	-3.2
1939	2	-5.4	-9.1	-4.4	N/A	-4.8	-5.8	N/A	-8.4	-7.8	-6.2	-6.9	-1.7
1939	3	-4.2	-5.7	-3.3	N/A	-3.7	-4.1	N/A	-6.1	-6.1	-5	-5.3	-2
1939	4	3.2	2.7	2.8	N/A	2.4	2.8	N/A	2.4	1.6	2.4	2.2	3.7
1939	5	10	6.6	6	N/A	8.9	9	N/A	8.3	7.3	6.6	7.6	8.6
1939	6	14	12.6	10	N/A	13.5	14.6	N/A	13.7	12.1	12.3	13.5	12.8
1939	7	19.2	18.1	14.9	N/A	18.4	19.3	N/A	18.8	16.3	18.6	18.5	16.8
1939	8	20.5	19	20.1	N/A	20	20.5	N/A	20.3	17.7	19.6	20.4	18.5
1939	9	14.3	14.1	15.3	N/A	14.4	14.8	N/A	13.9	12.4	14	14.1	14.1
1939	10	9.9	9.7	10.1	N/A	9.7	9.5	N/A	8	8.2	9.6	9.3	9.8
1939	11	2	2.3	4.6	N/A	1.7	1.3	N/A	0.4	0.6	3.1	0.8	3.3
1939	12	-2.7	-0.2	0.8	N/A	-2	-2.7	N/A	-3.9	-3.5	-0.1	-2.7	0.2
1940	1	-8.8	-10.2	-4.7	N/A	-7.5	-8.6	-1.4	-11	-10.2	-5.6	-10.2	-5
1940	2	-6.1	-8.7	-3.6	N/A	-5.3	-6.3	N/A	-8.2	-7.6	-5.7	-7.5	-3
1940	3	-2.6	-1.9	-0.3	N/A	-2	-1.9	N/A	-2.9	-3.5	-1.2	-1.7	-0.9
1940	4	3.3	2.3	2.2	N/A	2.1	3.2	N/A	2.5	1.9	1.5	2.7	3.4
1940	5	11.9	10.8	6.8	N/A	8.6	10.8	N/A	10.5	9.2	8	10.2	9.8
1940	6	14.6	13.5	10.2	N/A	12.4	14.5	15.3	13.8	12.4	12.5	13.6	12.3
1940	7	18.8	18.1	15.1	N/A	17.3	19.1	20.2	18.2	16.1	17.3	17.6	15.9
1940	8	16.9	18.6	16.3	N/A	N/A	17.4	18.6	16.5	14.4	17.7	16.4	16
1940	9	14.6	13.9	14.9	N/A	N/A	15	14.3	14	12.7	14.9	14.1	13.3
1940	10	7.1	9.7	8.5	N/A	N/A	6.8	6.4	5.6	5.1	7.3	5.8	7.3
1940	11	3.6	4.6	5.1	N/A	N/A	3.3	3.4	2.3	2.1	3.6	2.8	4.7
1940	12	-3.2	-5.2	-0.8	N/A	N/A	-3.4	-0.3	-5.5	-5	-2.2	-4.2	-0.1
1941	1	-7.5	-7.2	-4.5	N/A	N/A	-7.8	-4.7	-10.1	-9.6	-5.7	-8.4	-4.5
1941	2	-5	-4.6	-3	N/A	N/A	-5	-1.4	-7.2	-5.6	-4.7	-5.8	-1.9
1941	3	-3.4	-4.1	-2.5	N/A	N/A	-3.5	-0.8	-4.6	-4.2	-4.2	-4.2	-1.1

Year	Month	Annapolis Royal	Collegeville	Deming	Greenwood	Halifax	Kentville	Liverpool	Nappan	Parrsboro	Sydney	Upper Stewiacke	Yarmouth
1941	4	6.1	5.2	2.3	N/A	N/A	4.9	6.2	3.3	2.9	2.1	3.8	5.2
1941	5	10.5	9.5	5.9	N/A	N/A	9.5	10.2	9	7.6	7.1	9	9
1941	6	15.2	15.9	10	N/A	N/A	14.8	15.9	13.6	12.7	12.1	13.9	13.1
1941	7	18.4	19	14.3	N/A	N/A	19.5	19.4	18.6	16.8	18.4	18	15.6
1941	8	16.4	17.1	15.3	N/A	N/A	16.5	15	16	15.2	15.1	15.7	14.7
1941	9	13.6	13.2	12	N/A	N/A	13.5	13.5	12.1	11.8	11.3	11.9	12.8
1941	10	8.9	10	8.7	N/A	N/A	8.2	8.4	6.9	6.6	7	6.7	8.6
1941	11	4	4.8	5.1	N/A	N/A	3.5	3.9	2.4	1.7	3.2	N/A	5.1
1941	12	-2.2	-0.4	0.9	N/A	N/A	-2.9	-0.9	-4	-3.5	-1.7	-2.5	0.1
1942	1	-6.3	-6.6	-3.3	N/A	N/A	-6.7	-4.8	-8.9	-7.7	-5.7	-7.5	-3.4
1942	2	-6.7	-7.1	-4.8	N/A	N/A	-6.4	-5.3	-8.2	-7.4	-5.9	-7.6	-4.4
1942	3	1.4	-1.2	0.1	N/A	N/A	1	1.8	-0.4	0.3	-0.6	0.1	2
1942	4	6	5.5	3.1	N/A	N/A	5.1	5.4	4	3.9	3	3.8	5.1
1942	5	13	11.6	8.2	N/A	N/A	12.4	12.4	11.8	10.1	10.1	11.3	10.5
1942	6	15.6	15.1	11.1	N/A	N/A	15.6	14.9	15.6	13.2	13.1	14.5	13.8
1942	7	18.8	18.2	15	N/A	N/A	19.4	18.2	17.8	16.8	18.4	18.2	16.5
1942	8	17.9	15.9	18	N/A	N/A	18.7	18.4	17.4	16	18.4	17.1	16.6
1942	9	15.6	15.8	15.8	N/A	N/A	16.2	16	14.9	13.6	16.5	14.7	14.7
1942	10	10	10	11.4	N/A	N/A	9.3	9.7	8.7	8.5	10.2	8.3	10.6
1942	11	3.2	2.2	6.1	2	N/A	1.7	3	1	0.6	3.6	1.2	4.1
1942	12	-6	-6.9	-1.8	-5.4	N/A	-6.2	-5	-8.6	-9.1	-4.3	-8.2	-3.8
1943	1	-8.9	-9.5	-5.6	-9.3	N/A	-9.3	-8.6	-12.5	-12	-9.2	-11.3	-6.2
1943	2	-4	-6.8	-1.7	-3.7	N/A	-3.9	-3.7	-5.7	-6.4	-4.6	-5.2	-2.5
1943	3	-1.4	-1.2	-1.7	-1.1	N/A	-1.7	-0.3	-3.2	-3.3	-2.7	-2.8	-0.3
1943	4	3	0.8	1.5	3.1	N/A	2.8	3	2	1.7	2.3	1.6	3.3
1943	5	10.7	9.1	6.3	10.4	N/A	9.7	10.4	8.8	7.1	6.5	7.9	9.9
1943	6	14.4	14.8	10.2	14.3	N/A	13.4	14.1	12.6	11.4	10.6	11.7	13.8
1943	7	18.8	19.5	13.6	19.6	N/A	18.8	19.3	18.4	17	N/A	17.9	17.2
1943	8	17.5	18.6	15.6	17.4	N/A	17.1	17.5	16.5	15.7	N/A	16	16.7
1943	9	15	13.5	15.4	14.6	N/A	14.6	14.7	13.9	13.3	N/A	14.1	15
1943	10	10.9	9.5	11.1	9.9	N/A	9.9	N/A	9.1	8.7	10.4	8.8	10.7
1943	11	4.5	4.2	6.3	3.5	N/A	3.9	5	2.1	2.4	4.7	3.1	5.9
1943	12	-4.4	-5.3	0	-4.9	N/A	-5	-3.6	-8.6	-7.3	-3.9	-7.3	-1.6
1944	1	-3.7	-5.2	-2.6	-5.4	N/A	-5.2	-2.9	-7.5	-7.6	-4.4	-7.5	-1.7
1944	2	-5.1	-7.9	-3.7	-6.3	N/A	-7.2	-4.5	-10	-9.6	-7.2	-8.8	-3.5
1944	3	-1.3	-3.2	-1.6	-2.4	-2	-3.5	-1	-4.6	-4.8	-3.2	-4.8	-1.2
1944	4	3.9	2.2	2.9	3.6	3.6	2.9	4.1	2.9	1.7	1.7	2.2	3.7
1944	5	12.4	11.1	7.4	12.5	10.8	12	12.4	11.7	10.2	9.2	10.5	10.7
1944	6	15.6	N/A	9.9	15.7	13.7	15.5	15.5	14.5	12.9	14	14.3	13.6
1944	7	19.1	N/A	15.2	19.4	19.2	19.3	20.1	18.2	17.5	17.3	17.6	17.4
1944	8	19.7	N/A	17	20.3	19.6	20.3	20.8	19.2	18.3	20	18.3	17.8
1944	9	15.6	N/A	14.8	14.8	15.6	15.2	15.3	14.8	13.4	15.2	13.8	15
1944	10	9.4	N/A	9.7	8.8	9.6	8.9	10.1	7.9	7.7	8.7	7.6	9.6
1944	11	5.1	N/A	5.4	4.3	5.3	4.1	5.6	4.1	2.9	5.5	3.7	5.3
1944	12	-1.7	-1.9	0.8	-2.3	-1.3	-3	-2.8	-5.4	-4.4	-1.2	-3.8	-0.3
1945	1	-4.6	-3.7	-0.6	-4.5	-3.2	-5.6	-4.2	-7.2	-7	-2.9	-5.6	-3
1945	2	-4.5	-4.2	-2.8	-5.5	-3.6	-6.1	-5.1	-8.4	-7.2	-4.5	-7.1	-2.3
1945	3	2	-1.5	0.4	1.1	1.4	0.8	1.6	-0.9	-1.1	-1.1	-0.7	2.5
1945	4	7.9	5.2	4.2	7.3	5.9	6.8	6.9	5.6	6.6	4.6	5.5	6.4
1945	5	10.5	N/A	5.6	9.4	7.9	9.5	9.1	8.7	9	7	7.9	8.8

Year	Month	Annapolis Royal	Collegeville	Deming	Greenwood	Halifax	Kentville	Liverpool	Nappan	Parrsboro	Sydney	Upper Stewiacke	Yarmouth
1945	6	14.4	10.2	9.7	14.6	12.7	13.8	14.3	13.3	12.4	11.8	13	12.8
1945	7	19.1	20.1	14.3	19.2	18.5	19.7	19.1	18	17.3	19.1	18.2	17.1
1945	8	18.6	18.4	18.1	18.5	18.4	18.8	18.5	17.9	18	19.1	18.5	17
1945	9	15.3	16	15.5	14.8	15.9	15.7	16.2	13.6	13.7	14.9	14	14.6
1945	10	8.9	9.4	9.6	7.9	9.3	8.5	9.2	7.4	7.4	8.8	7.9	9
1945	11	4.1	N/A	4.7	3.1	4.4	3.3	4.8	2.1	2.6	3.9	3	5.2
1945	12	-3.2	N/A	-1.1	-4.4	-2.9	-4.4	-2.9	-5.6	-5.5	-2.9	-5.1	-1.5
1946	1	-4.1	-3.8	-3.3	-5.6	-4.8	-6	-3.2	-7.6	-7.8	-5.4	-6.9	-2.9
1946	2	-4.9	-5.6	-3.6	-6.5	-5.3	-7.3	-4.7	-8.9	-8.1	-6	-8.4	-3.8
1946	3	3.4	1.3	1.4	2.6	2.2	1.9	3	0.6	0.6	-0.5	1.1	3
1946	4	3.2	1.8	2.1	3.4	3.1	2.9	4.2	2.1	1.6	1.6	3	3.5
1946	5	10.8	8.2	5.4	11.3	9.3	11.1	10.5	10.1	8.9	9.2	10	9.1
1946	6	15	N/A	9	15.8	13.6	14.8	15.3	14.6	13.3	13.6	14.2	12.6
1946	7	17.3	18.2	13.2	18.1	16.3	18	N/A	17	15.7	17.6	18	16
1946	8	18.1	16.7	16.9	17.8	17	17.9	17.8	17.2	17	18.4	17.8	16.3
1946	9	15.8	15.3	15.2	15.5	16	15.1	15.5	14.6	14.2	15.6	15.5	15.4
1946	10	10.7	10.7	10.3	9.7	11.4	9.7	11.1	8.9	8.6	10.1	8.7	10.9
1946	11	4.8	3.3	4.7	3.1	4.4	2.6	5.3	2	2.2	3	2.8	5.2
1946	12	-1.2	N/A	-0.2	-2.7	-1	-3.7	-1.3	-4.5	-4.1	-2	-1.9	0.4
1947	1	-4.1	N/A	-2.8	-5	-4	-5.6	-3.7	-7.1	-7.1	-5.9	-5.2	-2.1
1947	2	-1.8	N/A	-0.9	-2.9	-1.8	-3.4	-2.3	-4.9	-3.3	-3.7	-3.4	-1.1
1947	3	1.1	N/A	-0.1	0.2	0.6	-0.6	0.4	-1.7	-1.9	-1.8	-0.3	1.1
1947	4	4.2	N/A	1.1	3.7	3.6	3.6	4.7	2.3	1.6	0.2	2.7	3.7
1947	5	12.2	N/A	6.3	12	9.7	11.4	12.2	10.2	9	8.5	10.9	10.4
1947	6	14.5	N/A	N/A	14.7	13.6	14.2	14.4	13.3	12.7	12.6	13.6	12.6
1947	7	21.2	N/A	N/A	22.3	18.5	22	21.5	21	19.2	21.4	21.1	18.1
1947	8	19.2	N/A	16.7	18.8	18.9	18.7	19.4	17.7	17.8	18.8	17.8	18
1947	9	15.5	N/A	14.4	14.6	15.5	15.1	15.1	14.7	13.5	14.6	13.9	14.7
1947	10	11.3	N/A	9.1	10.5	11.6	10.3	10.7	9.3	8.7	9.3	9.2	11.2
1947	11	4.2	N/A	4.3	3.6	4.9	3.5	3.8	2.4	2.5	3.8	3.3	4.7
1947	12	-2.9	N/A	-0.9	-3.7	-2.9	-4.2	-3.1	-6.6	-6	-2.9	-5.2	-1.5
1948	1	-5.3	N/A	-2.3	-6.4	-5	-6.6	-5.8	-9	-8.6	-3.7	-6.6	-4
1948	2	-6.8	N/A	N/A	-8.8	-7.8	-9.1	-8	-11.4	-11.1	-10	-9.4	-5.6
1948	3	-1.4	N/A	N/A	-3.4	-3.6	-3.7	-2.7	-5.3	-5.5	-5.6	-4.3	-1.6
1948	4	4.7	N/A	N/A	3.6	2.6	3.3	4.2	2.8	2.1	1.2	3	3.9
1948	5	11.1	N/A	N/A	10.4	7.9	9.8	9.8	9.4	8.4	7.4	9.3	9.2
1948	6	14.9	N/A	10.7	14.7	12.5	14.2	14	13.8	12.2	12.3	13.9	12.6
1948	7	19.1	N/A	N/A	19.4	17.4	18.9	18.9	18.1	17.1	17.5	17.7	16.1
1948	8	19	N/A	15.5	18.9	17.6	18.8	17.9	18.1	16.9	18.2	17.6	17
1948	9	14.6	N/A	12.7	14	14.6	14	13.5	13.7	12.6	13.7	12.4	13.8
1948	10	9.5	N/A	9.7	8.4	9.8	8.6	8.9	8.4	7.9	8.8	8.4	9.9
1948	11	6.4	3.3	5.6	5.1	5.9	5.1	N/A	4.6	4	4.5	4.5	6.8
1948	12	-0.7	-2.6	N/A	-1.4	-0.3	-1.2	N/A	-2.2	-1.9	-1.3	-2	1.2
1949	1	-1.9	-3	-0.3	-3.1	-2.8	-4	-2.8	-5.3	-5.5	-3.1	-4.4	-1.3
1949	2	-2.8	-6.3	-2.1	-4.2	-3.8	-4.4	-3.2	-6.2	-7.2	-6	-5.5	-1.6
1949	3	0.4	-1.5	1.4	-0.2	0	-0.2	0.8	-1.5	-2.4	-0.7	-1.1	1.2
1949	4	6.6	4.3	3.5	6.1	5	5.8	6	5	4.5	3	5	6.2
1949	5	11	9.6	6.6	10.9	9.5	10.2	10.9	9.5	8.7	8	9.2	9.9
1949	6	16.5	15.2	10.9	17.3	15.5	16.9	16.6	15.7	14.4	14.3	15.7	14.2
1949	7	19.8	N/A	14.4	20.4	18.9	20.2	20.8	19.1	18.5	18.9	19.4	17.9

Year	Month	Annapolis Royal	Collegeville	Deming	Greenwood	Halifax	Kentville	Liverpool	Nappan	Parrsboro	Sydney	Upper Stewiacke	Yarmouth
1949	8	19.4	N/A	16.9	19.4	19	19.4	19.4	18.4	17.7	18.2	18.4	18.1
1949	9	15.2	N/A	13.9	14.5	15.3	14.4	15.3	14	13.2	14.4	13.7	14.2
1949	10	10.6	8.7	10.3	9.7	10.4	9.9	10	9	9.2	9.4	9	10.6
1949	11	4.5	N/A	N/A	3.6	4.2	3.1	3.8	1.9	N/A	3.4	3.2	5.1
1949	12	0.6	N/A	N/A	0	0.5	-0.2	-0.3	-1	-2.4	-0.2	-1	1.7
1950	1	-2.1	N/A	N/A	-3.9	-3.3	-4	-3.3	-5.3	-5.9	-5.2	-4.7	-1.2
1950	2	-6.2	N/A	-3.8	-7.9	-6.6	-8	-7.7	-9.7	-9.5	-9.1	-8.7	-4.2
1950	3	-2	N/A	-2.5	-2.8	-2.6	-3.2	-3.1	-3.9	-4.3	-5.6	-4.3	-1.2
1950	4	5	1.6	1.7	4.1	3.1	3.5	3.8	3.4	2.5	2.2	3.6	4
1950	5	10.9	7.8	6.6	11	10.2	9.2	9.6	9.9	9	8.8	9.6	9.4
1950	6	15.6	12.9	9.7	15.8	13.4	14.9	14.6	14.8	13	14.2	14.1	13.4
1950	7	18.3	16.6	13.7	19	17.2	18	17.2	17.7	16.3	18.2	17.6	16
1950	8	18.7	16.6	15.4	18.1	17.2	17.3	16.9	17	16	17.5	17.8	16.5
1950	9	12.5	10.3	12.1	12.1	12.8	11.9	10.6	11.9	10.9	12.5	11.2	12.1
1950	10	9.1	6.5	9	8.3	9.4	8.2	7.7	7.8	7.1	8.3	7.3	9.5
1950	11	7.3	5.1	6.2	6.2	7.1	6.2	6.8	5.8	5	6.1	N/A	7.7
1950	12	1.8	0.5	4.2	1.2	1.8	1	1.3	0	-0.8	1.7	N/A	2.4
1951	1	-1	-3.1	0.9	-2.6	-0.7	-2.9	-1.2	-4.2	-5.2	-2	-4.3	0.4
1951	2	-1	-2.2	0.8	-2.4	-1.5	-2.7	-2.3	-3.4	-3.1	-1.6	-1.6	-0.7
1951	3	1.4	-0.9	0.9	0.8	1.1	0.7	1.1	-0.1	-0.3	0	0.5	1.8
1951	4	7.1	5.2	5.4	6.8	6.5	6.6	7.9	6	5.6	5.1	6.8	7.1
1951	5	10.9	8.8	6.1	11.4	9.6	10.8	11.3	9.7	9.4	9.2	9.4	10.2
1951	6	15.4	12.5	10.9	15.1	13.3	14.5	15	14.1	13.2	12.8	13.4	13.9
1951	7	19.4	18	15.6	19.9	18.6	19.5	N/A	18.5	17.6	19	19.2	17.7
1951	8	19.2	17.3	18	19.3	18.8	18.6	19.5	18	17.1	18.5	18.8	17.6
1951	9	15.4	13.3	14.9	15.5	15.6	15.1	15.1	14.6	14.3	14.7	15	15
1951	10	10.3	8.2	10.8	9.7	9.9	8.8	9.8	9	8.5	9	8.7	11.2
1951	11	4.9	3.9	6.2	4.2	4.7	3.9	4.3	3.1	2.9	4.9	4.1	5.5
1951	12	-0.3	-4.1	0.9	-2	-1.6	-2.9	N/A	-4.4	-5	-2.1	-3.7	0.5
1952	1	-2.3	-5.1	-0.7	-4.2	-3.1	-4.3	N/A	-5.9	-6.7	-3.4	-4.3	-1.5
1952	2	-2	-4.8	-1.2	-3.6	-2.5	-3.6	-2.2	-4.3	-5.4	-3.1	-4	-1.7
1952	3	0.3	-2.9	-0.1	-0.7	-0.4	-1.1	0.1	-1.5	-2.1	-1.3	-1.6	0.4
1952	4	6.6	3.3	2.7	6.3	5.5	6	6.3	5.2	4.4	3.3	5.3	6
1952	5	9.9	7	5.3	9.7	9	8.9	10.4	8.6	8.5	7	9.2	9.2
1952	6	15.8	14.7	10.4	16.4	14.3	15.5	16.5	15.2	13.8	14.3	15.3	14
1952	7	20.9	19.4	15.8	21.4	19.3	20.6	21.2	20.4	19.1	19.4	19.8	18.1
1952	8	18.7	18.8	17.8	19.6	19.1	19.1	18.4	18.4	17.5	19.2	19	17.1
1952	9	14.6	13.9	13.9	14.3	14.8	14	14	13.9	13.3	15	13.6	13.7
1952	10	9.8	7.6	9.6	8.5	9.7	8.3	8.7	8.1	7.7	8.7	8.2	10.2
1952	11	4.9	2.9	4.4	3.7	4.6	3.5	4.5	2.4	2.3	3.6	3.4	5.4
1952	12	0.2	-2.5	1.2	-1.6	-0.8	-1.6	-0.6	-2.5	-3.4	-0.9	-2.2	0.9
1953	1	-1.1	-3.2	-0.2	-1.8	-1.2	-2	-0.9	-3.6	-3.6	-2	-3	0.1
1953	2	-1.2	-3.7	N/A	-2.5	-1.9	-2.4	-1.8	-3.5	-4.3	-2.8	-3.8	-1.1
1953	3	1.5	-1.3	-1	0.9	0.2	0.5	1.2	-0.9	-0.9	-1.6	0	1.6
1953	4	7.2	5.1	3.9	7.1	6.2	6.9	6.8	5.7	5.2	4.8	6.3	6.6
1953	5	11.2	8.1	5.6	10.8	9.1	10.2	11.1	9.5	8.7	6.6	9.6	10.1
1953	6	15.4	13.5	10.1	16.3	14.4	15.8	16.3	15.1	13.7	13.8	14.5	14.2
1953	7	18	17.8	14.1	19.3	17.9	19.2	18.9	18.3	17.2	18.4	18.2	16.8
1953	8	17	16.3	14.9	17.7	17.1	17.4	17.7	16.6	15.5	17.1	16.1	16
1953	9	14.8	13.9	13	15	15.4	15.1	14.6	15	14.2	14.6	14.1	14.3

Year	Month	Annapolis Royal	Collegeville	Deming	Greenwood	Halifax	Kentville	Liverpool	Nappan	Parrsboro	Sydney	Upper Stewiacke	Yarmouth
1953	10	10.1	8.5	8.6	9.6	10.4	9.4	9.9	8.8	8.5	8.8	8.5	10.5
1953	11	6.2	4.8	5.3	5.9	6.6	5.7	6.3	5.2	4.1	5.6	5.4	7.1
1953	12	2.6	-0.3	1.7	1.5	2.6	1.3	N/A	0.3	-0.4	0.8	0.1	3.4
1954	1	-5	-7.2	-1.7	-6	-4.6	-6.2	-3.8	-7.7	-9.3	-4.3	-6.4	-3.6
1954	2	-0.7	-3.2	-0.8	-1.8	-0.8	-1.6	-0.1	-3	-3.2	-1.9	-0.9	-0.3
1954	3	-0.1	-2.6	-0.9	-0.6	0	-0.6	1.4	-1.5	-2.3	-1.5	-0.9	0.5
1954	4	5.2	1.7	1.2	5.2	3.8	4.4	5.9	3.6	2.4	1.4	3.5	4.6
1954	5	10	7.9	5.8	10.7	8.9	9.8	9.7	9.5	8.9	8.2	9.4	9.5
1954	6	15.8	13.3	10.7	16.6	14.1	15.9	16.1	15.3	14.7	13.2	15.3	14.2
1954	7	18.2	16.9	14.2	18.1	17.1	18	18	17.5	16.5	17.9	17.8	15.7
1954	8	17	15	15.1	16.8	16.9	16.8	17	16.3	15.2	16.5	15.8	15.7
1954	9	13.9	11.8	12.8	13.6	14.2	13.9	14.3	13.2	12.5	13.5	13	13.3
1954	10	10.5	7.6	9.1	10.1	10.2	10.3	10.9	9.6	8.6	8.9	9.4	10.6
1954	11	5.1	2.5	3.1	4	4.9	4	4.8	3.4	3	4.4	3.2	5.4
1954	12	1.4	-0.8	2.3	0.7	1.5	0.9	1.7	-0.6	-0.9	1.5	0.6	2.2
1955	1	-2.9	-4.2	-1.7	-3.7	-2.8	-3.8	-3.4	-4.9	-5.7	-1.7	-4.1	-2.5
1955	2	-2.7	-6.2	-2.9	-3.8	-3.6	-4.1	-3.1	-5.4	-5.9	-3.6	-3.1	-2.3
1955	3	-0.4	-3.6	-2.2	-0.9	-0.7	-1.2	-0.6	-2.2	-3.3	-2	-2.5	-0.2
1955	4	5	1.9	2.1	4.8	4.1	4.1	5.3	3.3	3	1.6	3.4	5.1
1955	5	10.4	7.8	5.1	11.4	9.8	10.7	11.5	9.2	8.8	7.2	9.6	9.5
1955	6	14.3	12.9	9.5	15.5	13.6	15.3	15.6	14.3	13.5	12.6	14.5	12.9
1955	7	18.6	16.1	13.4	19.7	17.4	19.5	20.1	18.1	17.8	17.5	17.5	17.2
1955	8	18.7	N/A	15.9	19.6	18.9	19.3	20.4	18.4	18.1	18	17.5	17.8
1955	9	13.4	11.2	13.4	13.6	14.4	13.6	14	12.9	11.7	13.4	12	13.3
1955	10	9.6	6.4	8.2	8.6	9.5	8.8	9.9	8.1	7.9	8.6	7.6	9.9
1955	11	4.5	0.5	3.3	3.2	3.8	3	3.6	2.1	1.2	3.2	1.7	4.6
1955	12	-4.1	-6.3	-2.7	-5.3	-4.7	-5.3	-4.6	-7.5	-8.2	-4.4	-8.1	-3.2
1956	1	0.1	-0.7	0.6	-0.7	-0.1	-1	-0.3	-2.4	-2.4	0.1	-0.5	0.2
1956	2	-3.6	-6.2	-3.3	-5.1	-3.9	-5.4	-4.4	-7.1	-6.4	-5.3	-6.6	-2.5
1956	3	-2.4	-6.5	-3.2	-4.2	-3	-4.6	-3.4	-5.4	-4.8	-4.7	-5.1	-2.1
1956	4	4.2	1.6	1.9	3.8	3.3	3.3	4.2	2.7	3.1	2	2.3	3.9
1956	5	8	6.5	4.2	8	7	7.9	8	7.2	7.1	5.8	6.4	6.8
1956	6	15	14.3	9.6	16.4	13.4	16	16.8	15	14.9	13.4	14.3	13.5
1956	7	14.9	16.9	13.3	17.6	17.1	17.4	19.3	16.6	16.4	16.4	15.8	15.4
1956	8	N/A	16	15.1	16.4	16.9	16.3	18.5	15.9	16	16.3	15.2	15.6
1956	9	N/A	12.2	13	12.5	13.8	12.7	13.7	11.9	12.3	12.8	11.7	13.3
1956	10	N/A	8.4	9.3	8.3	9.7	8.4	9	8.2	8.7	9.1	8	9.3
1956	11	5.6	4	5.6	4	5.6	4.1	5.8	3.1	3.8	5.1	3.4	6
1956	12	-0.5	-3.1	-0.4	-2	-0.6	-2.2	0.3	-4.3	-2.7	-1.6	-2.4	0.7
1957	1	-7.2	-11	-7.5	-9	-7.9	-9.3	-7.9	-12.3	-10.9	-8.6	-11.7	-5.7
1957	2	-2.4	-6.9	-4.6	-3.7	-3.1	-4	-2.9	-5.8	-4.3	-6.5	-5.5	-1.3
1957	3	0.9	-2	-1.4	-0.1	-0.1	-0.6	0.5	-1.9	-0.5	-2.2	-2.1	1
1957	4	4.7	2.5	2	5.1	4.5	4.5	5.3	3.5	4.4	2	3.1	4.6
1957	5	9.9	8.1	5.5	10.8	9.3	10.3	N/A	9.3	9.5	7.3	7.7	9.3
1957	6	16	14.4	10.3	17	14.6	16.3	17	15.1	15.4	12.9	14.3	14.6
1957	7	17.8	17.4	13.9	17.9	16.1	17.8	18.3	17	17.2	17.6	15.7	15.9
1957	8	16.2	16.5	16.1	16.8	16.8	16.8	17	16.1	16.5	17.2	15.7	15.4
1957	9	14.8	14	14.8	15.1	15.1	15.1	15	14	14.7	14.7	13.7	13.9
1957	10	10.5	8.8	10.1	9.4	10.1	9.6	9.9	8.5	9.1	8.8	8.1	9.7
1957	11	6.4	4.3	5.7	5.8	6.5	5.7	6.1	4.5	4.8	4.2	4.7	7.1

Year	Month	Annapolis Royal	Collegeville	Deming	Greenwood	Halifax	Kentville	Liverpool	Nappan	Parrsboro	Sydney	Upper Stewiacke	Yarmouth
1957	12	2.7	1.1	1.6	2	2.4	1.7	2.5	0.1	0.6	1.5	2.1	3.1
1958	1	-0.3	-1.5	-0.1	-1	-0.5	-1.2	-0.5	-2.9	-1.9	-0.6	N/A	0.4
1958	2	-3.4	-4.5	-1.7	-4.6	-3.2	-4.9	-4.1	-6.2	-4.9	-2.4	-3.7	-3.3
1958	3	2.1	0.2	1.1	1.6	1.4	1.1	2	-0.9	1.5	0	0.7	2.6
1958	4	6.6	5	4.6	7.2	5.6	6.7	6.6	5	5.8	4.8	5.7	6
1958	5	10.4	9.6	7.6	10.8	9.5	10.5	10.3	8.9	9.6	8.9	9.5	9.2
1958	6	13.9	12.6	10.8	14.5	13.1	14.1	14	12.8	13	11.8	12.5	12.5
1958	7	18.2	17.5	15.3	19.1	17.9	18.9	18.3	17.2	16.6	17.4	18	16.1
1958	8	17.5	18	16.9	18.6	18.1	18.7	18.3	17.2	16.2	18.8	17.3	16.5
1958	9	13.5	13	14.1	14.2	14.5	14.1	14.1	12.9	12.8	13.1	12.6	13.2
1958	10	8.3	7.2	8.3	7.9	8.7	7.8	8.1	7	7.1	7.8	7.2	8.7
1958	11	4.9	N/A	4.6	3.9	4.4	3.5	4.4	2.2	2.5	3.1	3.7	5.1
1958	12	-5.3	N/A	-5.5	-6.6	-5.7	-7.6	-6.6	-9.7	-9.1	-6.3	-8.7	-4.2
1959	1	-3.6	-8.3	-4.9	-5.3	-4.9	-5.9	-4.9	-7.5	-7.3	-6.5	-5.9	-3.2
1959	2	-6.9	-10.4	-8.6	-8.1	-7	-8.6	-6.8	-10.1	-9.5	-9.9	-9.2	-4.6
1959	3	N/A	-3.2	-2.6	-1	-1	-1.7	-0.9	-2.8	-2.5	-3.7	-2	-0.2
1959	4	5.2	2.8	2.6	5.7	4.2	4.9	4.9	4.1	4.3	2.5	3.9	5
1959	5	11.2	9	6.4	12.2	10.2	11.3	12.3	10.1	9.7	8.3	10	9.9
1959	6	14	12.4	10	14.8	12.9	14.3	14	13.5	12.6	11.8	12.7	12.9
1959	7	N/A	19.2	13.7	20.9	17.9	20.3	20.5	19.3	17.3	19.3	19.6	16
1959	8	17.9	17.1	16.8	19.2	17.9	18.6	18.7	17.7	16.9	17.1	17.6	16.9
1959	9	14.3	13.9	15.2	15.4	15.9	15.6	15.4	14.5	13.7	14.6	13.9	14.7
1959	10	9.6	7.9	10.3	8.9	9.7	8.9	9.6	8.1	8.1	8.1	N/A	9.5
1959	11	5.9	3.7	5.9	5.2	6	5.4	5.9	3.8	4.5	5	5.2	6
1959	12	0.1	-2.6	0.2	-0.7	-0.2	-1.1	-0.2	-2.4	-1.6	-0.5	-1.1	1
1960	1	N/A	-6	-3.8	-4.9	-4.2	-5.1	-4.3	-6.7	-5.9	-3.8	-5	-2.8
1960	2	N/A	-2.4	-0.8	-1	-1	-1.2	-1.1	-2.5	-1.6	-1.6	-1.3	-0.4
1960	3	N/A	-3.1	-1.8	-1.4	-1.5	-1.8	-1.7	-3	-2.5	-2.5	-2.5	-1.1
1960	4	N/A	2.1	2.5	5.2	4.6	4.8	5.4	3.5	3.4	2.1	3.6	4.7
1960	5	N/A	10.9	7.6	13.6	11.2	13.1	12.9	11.9	11	10.6	12.4	11.5
1960	6	N/A	14.8	11.3	17.7	15.2	17.2	16	15.8	14.6	14.6	15.6	14.6
1960	7	N/A	18	13.9	19.8	17.2	19.4	18.9	17.8	16.8	18.2	17.8	16.4
1960	8	N/A	18.5	17.2	19.8	19	19.6	19.7	18.2	17.4	19	18.3	16.8
1960	9	N/A	14	14.9	15.3	15.5	15.2	15	14	14	14.8	13.7	14.5
1960	10	N/A	6.8	8.5	8.2	9.2	8.1	8.1	7.1	7.1	7.6	6.4	9.2
1960	11	N/A	3.2	5.2	5.2	5.3	4.9	4.6	3.9	4.1	3.9	3.7	6
1960	12	N/A	-3.4	-1.3	-2.5	-1.2	-2.4	-2.8	-4.1	-3.7	-1.8	-3.3	-0.5
1961	1	N/A	-10.4	-6.8	-7.4	-6.3	-7.8	-7	-11	-9.1	-8	-9.9	-4.6
1961	2	N/A	-9.8	-7.6	-6.4	-5.5	-6.3	-5.7	-9.2	-8	-8.6	-9	-3.6
1961	3	N/A	-5.2	-3.7	-2.2	-2.6	-3.1	-1.3	-4.8	-3.8	-4.4	-4	-1.1
1961	4	N/A	1.4	1.5	3.7	2.9	2.9	3.7	1.5	2.1	1.3	2.2	3.7
1961	5	9.5	9.6	5.6	11.2	8.7	10.7	10.2	9.3	8.2	8	9.6	8.8
1961	6	14.7	16.5	9.3	17.1	13.8	16.8	16.1	15.1	13.4	15.2	15.1	12.6
1961	7	17.1	17.4	13.5	18.9	16.7	18.4	18.5	17.1	15.9	17	17.7	15.8
1961	8	17.1	18.6	16.5	19.3	18.5	18.9	18.1	17.7	15.9	19.1	17.8	16.5
1961	9	16.2	16.4	16.5	17.5	17.3	16.8	17.6	16.4	15.8	16.7	16.2	16.6
1961	10	10.1	10.8	11.7	11.2	11.5	11.1	11.1	10	9.9	11.3	10.6	10.9
1961	11	5.3	5.1	6.8	5.9	6.2	5.5	5.7	4.6	4.8	6.2	5.2	6.3
1961	12	-0.3	-0.7	0.5	-0.2	0	-0.5	0	-1.8	-1.7	0	-1.4	0.9
1962	1	-4.6	N/A	-4.3	-4.4	-3.8	-5.2	-4	-6.8	-6.8	-5.3	-5.9	-2.1

Year	Month	Annapolis Royal	Collegeville	Deming	Greenwood	Halifax	Kentville	Liverpool	Nappan	Parrsboro	Sydney	Upper Stewiacke	Yarmouth
1962	2	-8.8	-10.4	-7.5	-8.7	-7.8	-9	-7.5	-11.6	-11	-8.2	-10.1	-5.7
1962	3	-0.3	-2	-1.1	0.2	0.2	-0.5	0.2	-1.4	-1.6	-1.2	-1	1
1962	4	4.8	3.6	1.9	5.6	4.2	5.1	5.2	3.6	3.1	3.2	3.9	4.7
1962	5	9.1	8.2	5.2	10.5	8.3	9.9	9.4	8.2	8	6.5	8.7	9
1962	6	14.1	14.1	9.3	16	13.6	15.6	15.3	13.9	12.8	12.7	13.8	13.1
1962	7	15.4	15	12.7	16.4	15	16.3	15.7	14.7	14	14.3	15.4	14.6
1962	8	17	17.7	15.2	18.1	17.1	18.1	17.8	16.9	15.9	17.2	17.7	16.5
1962	9	12.2	12.8	13.5	13.3	14.3	13.6	13.3	13	12.2	13	13.2	13.3
1962	10	8.4	8.4	9.2	9.2	9.7	9.2	8.7	8.2	7.6	8.6	8.3	9.4
1962	11	3.5	N/A	5.1	3.8	4.4	4	3.8	3.1	2.8	4.8	3.8	4.4
1962	12	-2.6	N/A	-0.9	-2.5	-1.5	-2.3	-2.2	-4.4	-4.8	-1.4	-3.6	-0.7
1963	1	-2.4	-3.2	-1.3	-2.4	-1.5	-2.8	-2.3	-4.4	-4.1	-1.8	-3.4	-0.7
1963	2	-6.4	-7.4	-5.2	-6.7	-5.3	-6.6	-5.1	-9	-9.3	-6.6	-7.2	-3.7
1963	3	-2.2	-3.8	-3.4	-1.9	-1.8	-2.1	-0.6	-4.2	-4.2	-4.1	-3.4	0.1
1963	4	3.1	0.8	1	3.2	2.7	2.8	4	1.6	1.3	0.9	1.8	4.1
1963	5	9.1	9.9	5.6	10.4	8.7	10.7	10.6	9.3	8.4	8.6	9.3	8.7
1963	6	14.1	12.6	10.2	16.2	14.4	15.9	16	14	13.1	12.6	13.6	13.5
1963	7	19.2	18.6	14.3	20.9	18.5	20.5	20.2	19.4	18.1	18.2	19.8	17.1
1963	8	16.1	15.7	15.3	17.4	16.6	17.3	17.1	16.3	15.7	16.8	16.4	15.6
1963	9	11.7	12.1	12.7	13	13.3	12.9	12.7	11.7	11	13.2	12.4	12.7
1963	10	8.9	9.6	9.8	9.9	10.9	10.5	10.2	9.4	8.3	10.4	9.3	10.1
1963	11	5.9	4.6	5.9	6	5.9	5.6	5.7	4.7	4.6	5.3	5	6.5
1963	12	-6.7	-7.6	-4.2	-7.1	-5.5	-7	-6.5	-9.2	-9.1	-4.8	-8	-4.2
1964	1	-3.4	-7.1	-4.1	-4.2	-3.7	-4.7	-4.3	-6.5	-7.5	-5.4	-6.8	-1.8
1964	2	-4.4	-6.3	-4.1	-5.1	-3.7	-4.9	-4.4	-6.5	-6.9	-4.8	-6.1	-2.8
1964	3	-1.3	-3	-2	-1.4	-1.5	-1.6	-1.5	-2.7	-2.5	-2.7	-2.3	-0.4
1964	4	3.5	2.5	1.8	3.9	3.7	3.8	4.1	2.4	2	2.3	2.6	4
1964	5	10.2	9	5.5	11.4	9.4	11.1	11	9.2	8.7	7.6	8.9	9.5
1964	6	13.7	12.5	9.5	14.9	12.7	14.9	14.5	13.2	12.4	11.2	13.2	12.7
1964	7	17.6	18	12.8	18.9	16.1	18.6	18.4	17.9	16.3	17	18.1	15.5
1964	8	15.2	16.3	15.1	16.5	16.5	16.8	16.7	15.7	14.3	16.1	15.7	14.7
1964	9	12.1	12.5	13.7	12.8	13.9	13.2	13.2	12	10.8	12.4	N/A	12.7
1964	10	8.7	8.3	9.6	9	9.5	9.2	9.1	8.1	7.6	8.4	N/A	9.5
1964	11	2.3	1.1	3	2.5	3	2.2	3	1.3	1.1	1.7	1	4.2
1964	12	-1.4	-2.4	-0.5	-1.4	-0.8	-1.8	-0.5	-3.4	-3	-1.6	-2	-0.1
1965	1	-5.8	-6.9	-4.3	-6.5	-5.2	-6.5	-6	-8.1	-8.2	-4.9	-7.4	-4.5
1965	2	-5.6	-7.2	-5.5	-6.2	-5.2	-6	-5.7	-7.6	-8.7	-6.6	-7.3	-4.2
1965	3	-1.2	-3.5	-2	-1.4	-1.2	-1.9	-0.8	-2.4	-3.1	-3.3	-2.1	-0.1
1965	4	3.2	1	1	3.3	2.9	2.9	3	2.3	1.6	0.4	2.1	3
1965	5	9	6.8	5.5	9.8	8.2	9.4	9.4	8.7	7.6	5.2	8.2	8.3
1965	6	14.4	13.6	8.7	16.1	13.9	15.7	16	14.3	13.1	13.3	14.4	12.6
1965	7	17	17.7	12.9	18.5	16.8	18.8	18	17.2	15.8	17.9	17.5	15.3
1965	8	17	17.6	14.1	18.7	16.8	18.7	18.7	17	16.2	17.6	17.8	15.8
1965	9	12.3	12.5	13.6	13.4	13.8	13.7	13.6	12.5	11.5	13.2	12.6	12.5
1965	10	7.5	7.1	8.8	8	9	8.5	8.3	7.6	7.1	7.8	7.5	8.5
1965	11	2.3	1.3	3.1	2.2	2.9	2.1	2	1	1	1.9	1.6	3.4
1965	12	-2.6	-4	-1.3	-3	-1.7	-2.9	-2.5	-4.6	-4.7	-2.2	-3.6	-0.3
1966	1	-2.9	-4.1	-2.3	-3.3	-2.6	-3.4	-3.2	-4.5	-4.5	-2.8	-3.8	-1.9
1966	2	-4.4	-6.6	-4.3	-5	-4.5	-4.9	-5.1	-6.6	-7	-5.4	-6.4	-3
1966	3	0.9	-0.4	-0.1	1.1	0.6	0.9	1	0.5	-0.1	-0.5	0.7	1.4

Year	Month	Annapolis Royal	Collegeville	Deming	Greenwood	Halifax	Kentville	Liverpool	Nappan	Parrsboro	Sydney	Upper Stewiacke	Yarmouth
1966	4	3.5	2.3	2	3.6	2.9	3.5	3.5	2.7	2.8	1.9	3.1	3.9
1966	5	8.8	8.8	5.5	10.2	8.7	9.8	9.6	8.9	7.8	8	9.4	8.1
1966	6	14.8	14.3	9.8	16.2	13.4	16.2	15.7	14.3	13.1	13.6	14.7	12.9
1966	7	17.1	17.4	14.6	18.5	17.4	18.9	18.3	17.2	16.1	17.7	17.5	15.8
1966	8	17.3	18	16.5	18.7	18.5	18.7	18.2	17.4	16.2	18.6	17.2	16
1966	9	12	12.4	13.6	12.7	13.6	13.2	12.9	11.8	11.1	13.3	12	12.4
1966	10	8.7	8.7	9.6	9	9.5	9.3	9.2	8.4	7.6	9.5	8.2	9.5
1966	11	6.1	5.6	6.6	6.2	6.7	6	6.5	5	4.8	6.1	6	6.9
1966	12	-0.2	-0.5	1.5	-0.1	0.8	-0.4	-0.3	-1.3	-0.9	1.1	-0.3	0.9
1967	1	-3	-5.6	-2.4	-3.5	-2.7	-3.7	-2.6	-5.4	-5.4	-3.5	-4.6	-0.6
1967	2	-7.4	-9.3	-6	-7.5	-6.1	-7.7	-7.1	-9.9	-10.3	-7.2	-6.6	-4.7
1967	3	-3.9	-6.3	-3.6	-4.5	-3.6	-4.4	-3.9	-6.7	-6.5	-5.4	-5.4	-1.8
1967	4	1.7	-1.1	0.2	1.9	1.9	1.4	1.9	-0.6	-0.2	-0.6	0.3	2.7
1967	5	7.3	6	4.2	7.7	6.9	7.7	7.6	6.5	6.2	5.1	6.6	7.1
1967	6	14.9	14.9	9.7	16.8	14.2	16.7	15.8	14.6	13.6	14.7	15.4	13.4
1967	7	19.3	20.8	14.1	21.1	18.4	21.2	20.9	19.2	17.9	20.8	20.3	16.5
1967	8	18.3	19.8	15.4	20	17.5	20.1	19.7	18.6	17.2	20.8	19.4	16.4
1967	9	13.9	14.1	14.8	14.5	14.6	14.9	14.6	14	13.1	15.1	13.9	13.9
1967	10	9.2	9.4	10.7	9.5	10.2	9.7	9.9	9.3	8.7	10.2	9.4	9.5
1967	11	3.4	3.3	5.4	3.8	4.8	3.8	3.5	3.1	2.9	5.1	3.7	4.8
1967	12	-1.9	-2.7	-0.2	-2	-1	-2.1	-0.7	-4.4	-4	-0.8	-2.6	0
1968	1	-7.4	-9.3	-6.2	-7.6	-6.6	-7.8	-6.8	-10	-10.5	-5.8	-9	-5.4
1968	2	-7.7	-9.1	-5.3	-8.3	-6.7	-8	-7.1	-9.8	-10.3	-7.6	-9.2	-5.2
1968	3	0.8	-1.1	-1.4	0.6	0.1	0.1	1	-1.4	-1.4	-1.2	0	1.3
1968	4	6	5	3	6.3	5.6	6	6.4	4.8	4.4	3.3	5.3	6.3
1968	5	9.2	7.6	6.3	9.5	9.1	9.2	9.7	8	7.4	7.2	7.7	8.9
1968	6	13.9	12.6	10.7	14.7	13.5	14.6	N/A	13.2	12.6	12	13	13.2
1968	7	18.5	19	15.9	20.2	19	20.4	20	18.3	16.9	18.4	18.9	17.1
1968	8	16.3	16.5	16.1	17.3	17.3	17.4	17.3	15.9	15.2	16.2	16.3	15.8
1968	9	14.7	14.8	16.1	15.7	16.4	15.9	15.6	14.7	14.3	15.1	15	15.2
1968	10	10.7	9.6	11.5	11.5	11.9	11.6	11.7	10.4	9.5	10.2	10	11.6
1968	11	3	1.4	3.8	2.3	3.2	2.3	3.4	0.9	1	2.8	1.6	4.2
1968	12	-1.4	-1.4	0.3	-1.3	-0.4	-1.3	-0.8	-2.5	-2.7	-0.6	-1.4	0.4
1969	1	-2.9	-4.8	-1.4	-3.6	-2.5	-3.2	-3.2	-5.1	-4.8	-2.9	-3.9	-1.7
1969	2	-2	-2.7	-1	-2.4	-1.7	-2.6	-1.6	-3.7	-3.1	-2	-2.3	-0.9
1969	3	-0.9	-1.8	-0.2	-0.7	-0.3	-0.9	-0.8	-2.3	-1.8	-1	-0.8	0.2
1969	4	4.4	2.7	2.4	4.7	4.5	4.8	5.2	3.1	3.1	2.1	3.5	4.8
1969	5	9.7	7.6	6.1	10.3	8.8	10	10.2	8.7	8.4	7	8.5	9.2
1969	6	15.5	15.7	11.5	16.9	15.2	16.9	17	15.7	14.7	14.9	16.3	14.2
1969	7	16.9	16.2	15.2	18.4	17.1	18.2	17.7	17.2	16.2	16	17	16.5
1969	8	17.9	18.3	16.9	19.2	18.9	19.4	19.3	17.9	16.7	18.8	18.2	17.2
1969	9	14.7	14.4	15	15.2	15.3	14.8	15.9	14.1	13.9	14.2	14.5	14.7
1969	10	8.1	7	9.2	8.4	9.3	8.1	9.2	7.3	7	7.8	7.3	9.4
1969	11	5.8	5.1	6.3	5.8	6.3	5.4	5.8	4.7	5	5.8	5.4	6.7
1969	12	0.8	0.5	2.7	0.9	1.4	0.4	0.6	-0.6	0	2.1	0.7	1.8
1970	1	-7.8	-11.2	-7.4	-8.5	-7.7	-9	-8.3	-10.6	-10.1	-8	-10.5	-5.7
1970	2	-4.1	-6.1	-3.8	-4	-3.5	-4.3	-3.4	-5.8	-5.8	-4.1	-5.1	-2.4
1970	3	-0.5	-2.6	-1.2	-0.9	-0.7	-1.1	-0.6	-2.6	-2	-2.1	-2	0
1970	4	4.2	1.7	2.2	4.3	3.7	3.8	4.4	3	3	1.1	2.6	4.3
1970	5	11.5	9.4	6.4	12.1	9.7	11.7	11.7	10.6	9.5	8.8	10.1	10.4

Year	Month	Annapolis Royal	Collegeville	Deming	Greenwood	Halifax	Kentville	Liverpool	Nappan	Parrsboro	Sydney	Upper Stewiacke	Yarmouth
1970	6	15.4	14.7	9.7	16.7	13.7	16.5	16.8	15.1	13.6	13.9	15.2	13.6
1970	7	18.7	19	14.3	20	17.6	20	19.9	19.1	17.1	18.8	18.8	16.9
1970	8	18.4	18.8	17.2	19.7	18.8	19.5	N/A	18.1	17.7	19.1	18.7	17.6
1970	9	13.3	12.5	13.3	13.8	14.1	13.8	14.2	12.6	12.4	12.2	13.1	13.7
1970	10	9.7	9.3	10.1	10.1	10.8	10.4	10.5	9.4	9.2	9.4	10	10.4
1970	11	4.3	3.8	5.9	4.4	5.1	4.2	4.7	2.9	3.7	4.9	4.4	5.6
1970	12	-5.1	-5.9	-2.6	-5.7	-4.4	-6.1	-4.3	-8.1	-7.4	-2.9	-6.6	-2.9
1971	1	-6.8	-9.5	-6	-7.5	-6.6	-7.8	-7.8	-9.8	-9.6	-6.3	-9	-4.9
1971	2	-4.4	-6.1	-4.2	-4.6	-4.3	-4.7	-4.5	-6.4	-6.5	-5.2	-4.7	-3.1
1971	3	0	-0.7	0	0.2	0.3	-0.2	0	-1.1	-1	-0.4	-0.6	0.6
1971	4	5.1	3.1	3	5.4	4.4	4.8	5.2	4.1	3.9	3.2	4.6	5.4
1971	5	11.5	10.1	6.6	12.1	9.3	11.5	11.4	11.2	10.1	9.3	11.1	9.9
1971	6	14.3	13.3	10.3	15.8	13.8	15.3	15.3	14.6	13	12.7	14	13.6
1971	7	18.6	18.6	14.6	19.7	17.9	19.6	19.9	18.8	16.9	18.6	18.5	17
1971	8	17.4	18.4	15.8	18.6	17.9	18.6	N/A	18.1	16.7	18.6	18.8	16.7
1971	9	15	13.9	14.5	15.6	15.7	15.7	N/A	14.3	13.7	14.1	14	15
1971	10	10	9.4	10.3	10	11	10.3	10.7	9.3	8.7	9	10	10.8
1971	11	3.2	2.8	4.8	3	4	3.1	N/A	1.8	1.7	4	2.6	4.3
1971	12	-2.7	-5.7	-2.8	-3.2	-2.7	-3.9	-2.9	-5.9	-5.5	-3.3	-5.1	-0.9
1972	1	-3.9	-6.6	-4.3	-4.4	-4	-5.1	-4.4	-6.5	-6.6	-5.5	-6.1	-2
1972	2	-6.5	-9.7	-7	-6.8	-6.3	-7	-6	-8.4	-8.9	-9.1	-8.6	-4.4
1972	3	-2.1	-4.2	-2.9	-2.4	-2	-2.8	-0.7	-5.2	-4.1	-3.7	-2.9	-0.6
1972	4	2.5	0.1	0.4	2.3	2	1.6	2.8	0.2	0.8	0.1	1.2	3.2
1972	5	10.4	8.8	5	11.6	8.9	11	11	9.3	8.7	7.9	9.7	9.5
1972	6	16.1	15.4	10.4	17	13.4	16.8	16.6	16	14.5	15.1	16.1	14.2
1972	7	17.9	18.1	14.7	19.2	17.6	19.1	19.6	17.8	16.7	17.5	18.2	16.3
1972	8	17.2	16.4	16.1	18.2	17.8	18.3	18.1	17	16.3	16.7	16.8	16.6
1972	9	14.2	13.5	14.3	14.7	15.2	14.8	N/A	13.6	13.4	13.8	13.6	14.4
1972	10	7	6.4	8.2	7.4	7.9	7.5	7.5	6.3	6.4	7.6	7	7.8
1972	11	2.5	0.9	2.4	2	2.5	1.9	2.3	0.8	1.1	1.9	1.3	3.3
1972	12	-2.6	-5.4	-3.2	-3.5	-2.8	-4.3	-2	-6.5	-5.2	-4.4	-5.3	-0.6
1973	1	-4	-7.2	-5.7	-4	-3.9	-4.7	-3.6	-6.6	-6.6	-6	-6.9	-1.8
1973	2	-5.2	-7	-5	-5.4	-5	-6	-4.7	-7.3	-6.9	-5.6	-7.1	-3.8
1973	3	1.6	-1.9	-1.3	1.2	0.3	1.2	1.8	-0.7	-0.2	-2.1	-0.1	2.3
1973	4	5.3	2.7	1.6	5.3	4.2	5	5.2	3.7	3.8	1.4	3.6	5.1
1973	5	10.1	8.6	4.9	10.4	8.1	9.7	10.4	8.6	8.4	7	9.3	9.4
1973	6	16.8	15.8	10.3	18	14.9	17.6	17.4	16.6	15.3	15.3	16	14.5
1973	7	19.9	19.7	14.5	21.4	18.8	21.1	20.6	19.6	18.8	20.1	20.1	17.4
1973	8	18.9	17.2	16	19.8	18.4	19.5	19.8	18.2	17.7	16.9	18	17.5
1973	9	13	11.9	13.7	13.5	14.3	13.6	13.7	12.4	12.3	12.7	12.4	13.5
1973	10	8.2	7	8.8	8.6	9.4	8.9	9.1	7.7	8.3	7.3	7.8	9.5
1973	11	3.6	1.1	2.7	3.4	3.3	2.9	3.6	1.5	2.2	1.9	2.1	4.8
1973	12	2.3	0.8	1.6	2.2	1.9	2	2.4	0.3	0.9	1.3	0.7	3.4
1974	1	-4.3	-7.9	-6.3	-4.9	-4.8	-5.5	-4.4	-7.9	-7.2	-7.3	-7.4	-2.6
1974	2	-6	-8.1	-5.9	-6.4	-5.3	-6.2	-6.7	-8	-7.3	-7.5	-8.1	-3.9
1974	3	-0.6	-3.1	-2.7	-0.7	-1.1	-1.2	-0.4	-2.2	-2.1	-3.4	-2.3	0
1974	4	5.4	3.6	1.9	5.5	4.7	5.2	6.1	3.5	3.9	2.1	4.4	4.9
1974	5	8	5.4	4.2	8.3	6.4	7.9	8	6.7	6.8	4.6	6.1	7.4
1974	6	15.2	14.3	10.1	16.3	14.4	16.2	15.7	15	14.4	13	14.8	13.3
1974	7	17	16	13.1	17.7	15.8	17.5	17	16.9	15.9	14.9	16.7	15.9

Year	Month	Annapolis Royal	Collegeville	Deming	Greenwood	Halifax	Kentville	Liverpool	Nappan	Parrsboro	Sydney	Upper Stewiacke	Yarmouth
1974	8	18.2	18.8	16.4	19	18.9	19.1	N/A	17.6	17	18.3	18.2	16.9
1974	9	13.9	13.6	14.7	14.2	14.8	14.5	N/A	13.5	13.1	13.7	14.3	14.1
1974	10	6.3	5.8	8.1	6.3	7.1	6.4	6.8	5.7	5.7	6.5	5.7	7.2
1974	11	4.5	3.2	4.8	4	4.5	4	4.7	2.7	3	3.2	3.6	5.5
1974	12	0.1	-1.9	0.3	-0.2	-0.2	-0.8	-0.2	-2.3	-1.7	-1.1	-1.6	0.8
1975	1	-3.7	-5.8	-3.3	-4.6	-3.3	-4.6	-3	-6.8	-6.1	-5.4	-4.9	-1.1
1975	2	-5.1	-10.1	-7.6	-6	-5.9	-6.2	-6.3	-9.2	-8.6	-9.9	-9.7	-3.7
1975	3	-1.7	-3.2	-2	-2	-1.4	-2	-1.1	-3.4	-2.7	-2.7	-2.8	-0.3
1975	4	3.5	1.1	1.1	3.4	3.1	2.9	3.7	1.8	2.3	0.5	2.1	3.6
1975	5	10.3	N/A	5.5	10.9	8.7	10.5	11	8.8	8.9	7	9	9.6
1975	6	14.7	14.1	10.8	16.1	14.3	15.9	15.7	14.8	14	13	14.2	13.6
1975	7	19.4	20.9	13	21.7	18.2	21.3	20.3	19.6	18.3	20.3	20.1	17
1975	8	17.7	18.2	16.9	18.4	17.6	18.3	18.1	17.8	16.9	17.1	18.1	16.6
1975	9	13.5	14.3	14.8	14.3	15.2	14.5	14.5	14.1	13.5	14.3	14.4	13.9
1975	10	8.4	7.9	9	8.3	9.4	8.4	9.3	7.9	7.5	7.7	7.2	9.5
1975	11	5.9	4.7	5	5.7	6.1	5.5	6	4.4	4.7	3.8	4.4	6.6
1975	12	-3	-3.5	-1.9	-2.7	-2.1	-3.9	-2.5	-5.8	-4.7	-2.5	-4.1	-0.7
1976	1	-4.5	-5.7	-3.4	-5.2	-3.9	-5.3	-3.9	-8.4	-7.1	-4.4	-5.4	-3.1
1976	2	-1.9	-4.5	-3.3	-2.3	-2.2	-2.8	-1.3	-4.1	-3.9	-5.3	-4.1	-0.5
1976	3	-0.1	-2.1	-2.1	0.1	-0.3	-0.6	0.5	-1.4	-1.5	-3.1	-1.7	1
1976	4	6	3.8	3.4	5.8	5.1	5.4	6.3	4.5	4.8	2.2	5.1	5.9
1976	5	11	10.4	7.2	11.9	9.9	11.6	N/A	10.6	10	8.3	10.5	10
1976	6	16.6	17.1	11.1	18.1	16.3	17.9	17.9	15.9	15.4	15.2	17.2	14.2
1976	7	17.9	17.8	14.3	18.9	17.5	18.8	19	17.5	16.8	17	17.7	16.2
1976	8	18.5	18.5	16.7	19.4	18.6	19.3	19.4	18	17.7	18.3	N/A	17.3
1976	9	13.9	14.3	15.2	14.2	15.3	14.5	14.9	13.9	13.6	14.5	13.8	14
1976	10	8.5	7.3	9.4	8.3	9.1	8.3	9.1	7.3	7.9	7.8	7.6	9.3
1976	11	3.4	0.5	2.7	2.9	3.3	2.5	3.2	1	1.3	1.4	1.6	4.4
1976	12	-3.6	-4.9	-2.7	-3.7	-2.5	-4.3	-3.6	-6	-5.5	-3.9	-4.5	-1.9
1977	1	-6.1	-7.5	-5.6	-6.9	-5.7	-7	-6.7	-9.6	-8.5	-6.4	-8.5	-4.6
1977	2	-3.5	-4.8	-3.6	-4.5	-3.5	-4.3	-3.6	-6.2	-5.7	-5.8	-4.6	-2.3
1977	3	1.9	-0.2	0.1	1.2	1.7	1.2	2.9	0.1	0.2	-1.1	1	2.7
1977	4	4.6	3	1.6	4.6	4.1	4.2	5.1	3	3.3	2	3.7	4.2
1977	5	10	8.3	6.1	10.6	9.7	10.7	10.7	8.9	9.2	7.1	9.5	9
1977	6	14.8	13.4	10.2	15.1	12.8	15	14.8	14.5	13.9	12	14	13.2
1977	7	18.3	18	15.5	19.5	17.9	19.2	19.5	18.1	16.9	17.9	18	16.2
1977	8	18.3	19.2	17.3	19.2	18.3	18.9	19.6	18.3	17.1	19	18.9	16.4
1977	9	13.2	12.4	14.5	13.4	14.1	13.6	14	12.5	12.6	12.6	12.6	13.1
1977	10	9.3	8.6	10.4	9	10.1	9.4	10	8.4	8.4	9	9.2	10
1977	11	5.2	4.5	5.9	5	5.5	4.9	5.6	4	4.5	5.3	4.1	6.4
1977	12	N/A	-2.3	-0.3	-1.7	-1.2	-1.9	-1.2	-3.4	-3.1	-1.4	-2.9	-0.2
1978	1	-4.3	-5	-2.6	-5.5	-3.7	-5.3	-3.6	-6.8	-6.3	-4.1	-5.6	-2.8
1978	2	-5.2	-8.5	-5	-6.3	-5.3	-6.5	-5.7	-8.6	-7.2	-6.2	-8.6	-4.3
1978	3	-1.2	-3.5	N/A	-2.2	-1.7	-2.1	-1.8	-3.1	-3	-3.3	-3	-1
1978	4	3.8	1.9	1.8	3.4	2.9	3.2	4.1	2.1	2.4	0.9	2.8	4
1978	5	11.7	9.7	6.3	12.7	9.4	12	11.5	11.1	10.3	8.3	10.6	10
1978	6	15	14.4	11	16	13.4	15.9	15.4	14.4	13.9	14.1	14.6	13.5
1978	7	18	17.5	5.9	18.7	17.2	18.7	18.8	17.4	16.8	18.4	17.7	16.1
1978	8	18.7	18.4	17.8	19.2	19.4	19.2	20.1	18	17.5	18.4	19	17.3
1978	9	N/A	11.3	13.2	11.8	12.6	11.8	12	11	11.1	11.4	11.2	11.6

Year	Month	Annapolis Royal	Collegeville	Deming	Greenwood	Halifax	Kentville	Liverpool	Nappan	Parrsboro	Sydney	Upper Stewiacke	Yarmouth
1978	10	N/A	8.2	9.3	8	9.1	8.3	9.1	7.7	7.5	8	8.1	8.7
1978	11	N/A	0.5	3.2	0.8	2.9	1.4	2.1	0.3	0.5	1.3	0.4	3.5
1978	12	N/A	-4.1	N/A	-2.8	-1.6	-3	-2.4	-4.4	-3.8	-3	-4.1	0
1979	1	N/A	-3.4	-2.5	-2.8	-2.6	-3.4	-2.2	-4.2	-3.4	-2.9	-3.2	-1
1979	2	N/A	-8.9	-6.7	-7.7	-6.9	-7.9	-6.4	-8.4	-8.4	-8.1	-7.7	-5.5
1979	3	N/A	1.4	0.1	2	0.9	1.4	2.6	0.8	0.6	0.5	1.2	2.5
1979	4	N/A	3.9	2.9	5.5	4.2	4.9	6.1	4.3	4.6	2.7	5.1	5.6
1979	5	N/A	11.1	7.6	13	10.3	12.7	12.6	12	11.3	9.5	11.5	11.6
1979	6	N/A	15.4	12.4	16.5	15.1	16.3	16.6	15.2	14.7	14.8	16.1	14.1
1979	7	N/A	18.8	15.1	20.1	17.7	19.3	20.2	18.8	18	18.3	19.4	17.3
1979	8	N/A	17.1	16.4	17.8	17.6	17.4	18.4	17.1	16.4	17.2	18	16.4
1979	9	N/A	12.9	14.1	14.2	14.7	14.2	14.8	13.8	13.4	13.3	13	14
1979	10	N/A	8.6	10	9.4	9.6	9	9.9	9.3	9	9	8.6	N/A
1979	11	N/A	5.1	6.6	6.2	6.8	5.5	6.7	5.4	5.5	5.6	5.7	N/A
1979	12	N/A	-2.5	-0.2	-1.7	-0.8	-2.3	-0.5	-2.7	-2.5	-1.1	-2.7	1
1980	1	N/A	-6.3	-4.1	-5	-4.4	-5.2	N/A	-6.6	-6.1	-5.3	-6.7	-2.6
1980	2	N/A	-7.8	-4.7	-5.7	-5.1	-6.2	-5.3	-8.1	-7.5	-6.6	-8.3	-3.5
1980	3	N/A	-3.1	-1.6	-1.6	-1.3	-1.9	-0.2	-3.2	-2.9	-3.1	N/A	0
1980	4	N/A	4.2	2.8	6.3	4.8	6.1	6.5	5	5.1	2.8	5.6	6
1980	5	N/A	7.9	6.1	10.5	9.2	10.1	10.3	8.5	8.8	6.4	8.9	9.7
1980	6	N/A	13.3	10.1	14.8	13.3	14.6	14.7	13.9	13.1	12.7	13.7	13
1980	7	N/A	17.4	13.8	18.8	16.7	18.2	18.8	17.7	16.7	16.9	17.8	16.4
1980	8	N/A	17.1	16.6	18.9	18.3	18.6	18.7	17.9	17.3	17.1	17.8	17.5
1980	9	N/A	12.5	13.9	13.7	14.2	13.7	13.3	12.7	12.5	13.2	12.6	13
1980	10	N/A	7.6	9.3	8.8	9.2	8.8	9.1	8.1	7.9	7.9	8.1	9.3
1980	11	N/A	1.8	3.7	2.8	3.1	2.9	2.9	1.7	2.4	2.7	2	4.2
1980	12	N/A	-6.6	-3.1	-5.2	-4	-5.2	-5.1	-6.9	-6.4	-3.9	-6.8	-3.1
1981	1	N/A	-8.9	-5.3	-7.8	-6.5	-8	-7.7	-10.7	-9.7	-6.5	-8.8	-5.3
1981	2	N/A	-1.8	-1.4	-0.1	-0.6	-0.6	-0.8	-1.3	-1.9	-2.3	-1.1	0.4
1981	3	N/A	0.2	0.6	0.6	0.8	0.7	1.3	0	0.2	0	0.5	0.8
1981	4	N/A	4.1	2.9	6.4	5.1	6.1	6.8	5.2	5	3.4	5	5.5
1981	5	N/A	10.6	7	12.2	9.7	12.1	12.3	11	10.6	9.5	11.3	10.9
1981	6	N/A	14.3	10.9	16.2	14.2	15.9	16.5	14.4	14	13.7	15.1	13.7
1981	7	N/A	17.7	15.5	18.6	17.9	18.9	18.6	17.4	17.2	17.2	18.4	16.3
1981	8	N/A	17	16.8	17.5	17.5	18	17.7	16.3	16.6	17.4	16.9	16.2
1981	9	N/A	13.2	15	14.2	14.9	14.2	14.2	13.1	13.5	13.9	14.3	15.1
1981	10	N/A	8	9.8	8.1	9.3	8.6	8.5	7.7	8.1	8.4	8.3	9
1981	11	N/A	3.8	5.5	4.1	4.9	4.2	4.6	3	3.5	4.4	4	5.2
1981	12	N/A	0.9	2.3	0.8	1.6	1.1	2	-0.7	0.3	1.2	0.9	2.5
1982	1	N/A	-8.1	-5.3	-7.7	-6.6	-8.1	-6.7	-10.2	-9.3	-6.6	-7.9	-5
1982	2	N/A	-7	-5.4	-5.5	-4.5	-5.3	-4.2	-7.8	-6.7	-7.2	-6.1	-2.9
1982	3	N/A	-2.8	-2.1	-0.5	-1	-0.7	0.5	-2.3	-2.3	-3.7	-1.4	0.6
1982	4	N/A	3.8	2.3	4.9	3.7	5	5.3	3.6	3.5	3.1	4	4.2
1982	5	N/A	8	6.5	10.1	8.8	10	10.5	8.7	8.9	6.9	9.5	10
1982	6	N/A	12.2	10.5	15	12.7	14.6	14.2	13.9	13.6	10.6	13.9	13.2
1982	7	N/A	18.7	14.5	19.7	17.9	19.4	19.3	18.4	17.5	18.6	19	16.2
1982	8	N/A	15.9	15.9	17.1	16.4	17	16.8	16	15.5	16.4	16.1	15.4
1982	9	N/A	14.4	14.6	15	15.1	15.1	15.3	13.9	13.8	14.5	14.5	14.7
1982	10	N/A	7.4	9.6	8.3	9.3	8.5	8.3	7.7	7.5	7.8	7.2	9.1
1982	11	N/A	4.3	5.8	5.9	6.5	5.8	6.4	3.9	4.9	5.2	4.6	6.9

Year	Month	Annapolis Royal	Collegeville	Deming	Greenwood	Halifax	Kentville	Liverpool	Nappan	Parrsboro	Sydney	Upper Stewiacke	Yarmouth
1982	12	N/A	-0.8	1	0.1	1	0	1	-1.7	-1.1	-0.4	-0.6	1.7
1983	1	N/A	-3.5	-1.4	-3.1	-2.1	-3.2	-1.9	-4.7	-4	-2.8	-3.4	-1.4
1983	2	N/A	-4.6	-2.9	-4.3	-3.4	-4	-2.5	-5.8	-4.8	-4.1	-4.7	-2.1
1983	3	N/A	-0.2	-0.3	1	0.6	0.7	1.8	-0.5	0.2	-0.8	0.6	2.1
1983	4	N/A	5.4	3.7	6.7	5.3	6.4	6.6	5.8	5.8	4.5	6.2	6.3
1983	5	N/A	9.8	6.9	11.5	9.5	11.4	11.2	10.3	10.4	8.2	10.7	9.6
1983	6	N/A	15	12.5	16.3	15.7	16.5	16.6	15.2	14.3	14.6	15.5	14.2
1983	7	N/A	17.8	16.2	19.3	18.4	19.7	19.5	18.3	17.9	17.6	18.1	16.6
1983	8	N/A	17.2	17.1	19.1	18.4	18.8	18.7	17.6	17.4	17.1	17.6	17
1983	9	N/A	15.1	15.8	16.4	16.7	16.4	16.6	15.1	15	15.1	15.2	14.9
1983	10	N/A	8.9	10.4	9.6	10.5	9.9	9.8	8.7	9	9.6	8.8	9.7
1983	11	N/A	3.9	5.3	4.8	5.4	4.6	5.3	3.9	4.4	4.3	4.2	5.9
1983	12	N/A	-2.8	-1	-1.7	-1.3	-2	-1.4	-3.8	-3.1	-1.9	-2.8	0.1
1984	1	N/A	-6.4	-3.3	-5.5	-4.3	-5.7	-4.3	-8	-7	-5.2	-6.3	-3.1
1984	2	N/A	-2	-1.5	-0.7	-0.6	-0.9	0.5	-2.4	-1.8	-2.3	-1	1.1
1984	3	N/A	-2.7	-1.9	-1.7	-1.5	-1.9	-1.1	-3.3	-3.1	-3	-2.1	-0.4
1984	4	N/A	3	2.5	4.7	4.5	4.5	5.9	3	3.7	1.9	4.2	5.2
1984	5	N/A	9.7	6.9	11.7	9.2	11.6	11.4	10.2	9.6	9.3	10.2	9.5
1984	6	N/A	13.9	10.4	16.4	14.5	16.2	16.4	14.8	14.2	13	14.7	14
1984	7	N/A	20.1	14.5	20.9	18.8	21.1	20.7	19.2	18.3	19.7	20	16.8
1984	8	N/A	20.4	19	20.9	20.2	21	21	19.8	19.4	20.2	20.4	18.8
1984	9	N/A	12.7	14.4	13.7	14.4	13.9	13.9	13.1	12.8	13	12.9	13.1
1984	10	N/A	7.4	9.3	9	9.5	9.2	9.5	7.9	8.3	7.6	8.1	10
1984	11	N/A	3.2	5	4.5	4.9	4.6	4.7	3.6	3.7	3.8	3.1	5.8
1984	12	N/A	-1.3	0.2	0	0.7	-0.3	0.4	-2	-1.3	-0.7	-1.2	2.1
1985	1	N/A	-10.3	-6.5	-8.1	-6.9	-8.1	-7.5	-10.9	-9.5	-8	-10.2	-5
1985	2	N/A	-6.4	-4.7	-4.1	-4	-4.5	-3.6	-6.3	-5.5	-6.2	-6	-1.9
1985	3	N/A	-3.7	-2.7	-1.2	-1.3	-1.6	0.1	-2.8	-2.8	-4.2	-2.9	0.6
1985	4	N/A	2.1	1.1	4.3	3.5	4	4.8	3.1	3.2	0.7	3	4.7
1985	5	N/A	8.5	5.9	10.4	9.4	10.4	10.9	9.4	9	7.3	9.1	9.2
1985	6	N/A	13.7	10.2	15.3	13.6	15.1	15.3	14.1	13.6	12.3	13.9	13.5
1985	7	N/A	19.5	12.8	20.1	18.1	20	20.2	18.7	17.8	19.2	19.1	16.5
1985	8	N/A	17	16.6	17.9	17.7	18	18.1	17.3	16.6	17.5	17	16.2
1985	9	N/A	13.8	14.7	14.9	15.5	15.3	15.1	14.4	13.8	13.9	13.7	14.4
1985	10	N/A	7.6	9.4	9.1	9.4	9.2	9.4	8.4	8.5	7.7	7.5	10
1985	11	N/A	2.1	3.7	3.4	3.6	3.3	4.2	1.8	2.3	2.5	2.1	5
1985	12	N/A	-6.2	-3	-4.9	-3.4	-4.7	-4.3	-7	-6.5	-3.9	-6.6	-1.3
1986	1	N/A	-3.9	-2.9	-3.5	-2.7	-3.3	-2.4	-5.2	-4.8	-3.6	-3.8	-1
1986	2	N/A	-7.9	-5.4	-6	-5.2	-6	-5.1	-7.9	-7.3	-7.6	-7.7	-3.6
1986	3	N/A	-2.7	-2.7	-0.8	-1	-0.5	0.8	-2.9	-2.7	-3.8	-2.6	0.7
1986	4	N/A	5.1	3	7.1	5.5	6.7	7.4	4.8	5.5	2.7	6.8	7.4
1986	5	N/A	9.6	6.2	11.1	8.7	10.6	11.1	10.1	9.8	7.8	10	10
1986	6	N/A	13.2	10.3	15.2	13.2	15	14.9	13.2	13	12.2	13.6	13.1
1986	7	N/A	16.1	14.3	17.9	16.6	17.6	17.8	16.2	15.9	15.3	16.1	16.2
1986	8	N/A	17.1	16.7	17.4	17.4	17.4	17.7	16.8	16.4	17.2	16.7	16.4
1986	9	N/A	11.3	12.7	12.2	13.2	12.5	13	11.3	11.4	11.4	11.2	12.6
1986	10	N/A	7.4	8.9	7.9	8.4	8.3	8.6	7.1	7.3	7.3	7	8.6
1986	11	N/A	1.4	3.4	1.7	2.7	2.1	2.5	0.5	1.4	1.9	1.6	3.6
1986	12	N/A	-4.1	-1.2	-2.2	-1.3	-2.3	-0.8	-4.6	-3.5	-2.8	-3.6	0.6
1987	1	-4.6	-7.1	-4	-6.4	-4.5	-6.2	-5.1	-8.6	-7	-5.2	-7.1	-2.9

Year	Month	Annapolis Royal	Collegeville	Deming	Greenwood	Halifax	Kentville	Liverpool	Nappan	Parrsboro	Sydney	Upper Stewiacke	Yarmouth
1987	2	-5.5	-8.7	-5.8	-6.9	-5.7	-6.6	-6.3	-9.3	-8.1	-6.8	-9	-4.5
1987	3	-1.3	-3.6	-2.4	-1.8	-1.4	-1.7	-0.8	-3.8	-2.5	-3.6	-2.8	-0.3
1987	4	7.6	4.6	3.3	7.6	5.3	6.8	6.5	5.9	6.2	3.3	6.2	7.3
1987	5	11.1	8.9	6.9	11.4	9.1	11.3	11	10.2	9.4	8.1	9.3	9.4
1987	6	15.3	13.6	11	15.7	14.1	15.6	15.6	15.1	14	12.4	14.2	13.9
1987	7	18.8	18.6	16.1	19.4	18.4	19.7	19.1	18.7	17.7	18.5	18.6	16.8
1987	8	17.4	17.2	17.2	18	18	18.2	18.1	17	16.3	17.3	16.5	16.3
1987	9	14.5	13.9	14.5	14.8	14.8	14.9	14.7	14.6	13.8	13.7	13.7	14.1
1987	10	9.7	8.6	10.7	9.4	10	9.9	9.4	9.2	8.9	9.3	8.9	9.8
1987	11	3.4	1.9	4.1	2.1	3	2.6	3	1.8	2	3	2.2	3.9
1987	12	-1.5	-2.7	-0.7	-2.2	-2	-2.4	-1.5	-4.6	-3.8	-1.8	-3.8	0.1
1988	1	-4.8	-7	-4.1	-5.1	-3.9	-5.1	-4.8	-7.3	-6.3	-5.6	-6.8	-2.6
1988	2	-3.8	-5.4	-3.4	-4.8	-3.2	-4.4	-2.8	-6.8	N/A	-4.9	-4.9	-2.4
1988	3	0.4	-2.3	-1.7	0.1	-0.5	-0.4	0.7	-1.2	N/A	-2.7	-1.4	0.5
1988	4	4.2	2.9	2.6	4.6	3.9	4.3	5.1	3.3	N/A	2	3.6	4.9
1988	5	11.7	11.3	6.7	12.5	9.7	12.3	11.7	10.7	9.8	10.1	11.4	10.3
1988	6	14.2	13.1	9.6	15	12.8	14.7	15.2	13.6	12.7	12.5	13.2	13
1988	7	18.9	18.9	13.9	20.3	17.6	19.7	20.2	19.1	17.5	17.8	19.2	17.2
1988	8	17.6	19	16.4	20	18.7	19.9	20.3	18.5	17.6	18.3	19.3	17.6
1988	9	12.9	12.1	13.5	12.9	13.7	13.1	12.8	12.7	12.5	12.6	11.6	13.2
1988	10	7.4	7.2	9.2	7.7	8.5	8.1	8.3	7.3	7.5	7.9	7.8	8.8
1988	11	5.2	4	5.4	5.4	5.2	5.3	5.8	4.1	4.4	4.3	4.4	6.5
1988	12	-3.8	-5	-2.1	-3.6	-2.6	-3.8	-2.7	-5.4	-4.7	-3.3	-4.7	-1.3
1989	1	-6.3	-6.2	-3.4	-4.2	-3.6	-4.1	-3.1	-6.2	-5.1	-5.1	-5.6	-1.6
1989	2	-6.8	-8	-5.1	-5.8	-4.9	-5.9	-4.3	-8.6	-6.8	-7.5	-7.6	-2.9
1989	3	-3.4	-5	-3.4	-2.6	-2.4	-2.7	-0.9	-4.9	-3.6	-4.8	-3.8	-0.6
1989	4	2.8	3.6	2.6	5	4.3	4.9	5	4.2	3.7	3	3.7	4.3
1989	5	11.2	12.6	8.2	14.8	11.2	14.2	13.8	13.5	12.1	10.5	13.6	11.8
1989	6	13.7	14.4	12.4	16.9	15.2	16.4	16.9	15.9	15	13.5	15.6	14.2
1989	7	15	16.8	15.2	18.7	17.5	18.5	18.5	17.6	16.3	16.9	17.4	15.7
1989	8	18.2	18.3	17.4	19.4	18.3	19.7	19.3	18.2	17.6	19.3	18.2	17.3
1989	9	14.4	13.9	15.5	14.9	15.5	14.8	15.7	13.7	13.9	14.2	14.4	14.5
1989	10	9.1	7.2	9.1	8.5	8.8	8.9	9.2	7.9	8.3	7.9	7.6	9.5
1989	11	4	1.7	4.5	3.1	3.8	3.3	4.7	1.6	2.4	3.5	2.6	5
1989	12	-5.7	-11	-6.7	-8.7	-7.7	-8.6	-7.8	-11.8	-9.5	-6.6	-11.1	-6.1
1990	1	0.2	-5.1	-2.7	-1.7	-1.5	-1.8	-0.7	-3.6	-2.8	-3.9	-3.3	-0.1
1990	2	-2.6	-8.4	-5.9	-5.3	-4.9	-4.4	-3.5	-7.4	-6.3	-8.3	-6.9	-3
1990	3	0.9	-3.7	-2.8	-0.3	-1.1	-0.5	0.5	-2.4	-1.6	-4.3	-2.6	0.5
1990	4	5.5	3.6	2.9	6	4.6	6.1	6.5	4.3	4.3	3	4.4	5.4
1990	5	N/A	7	5.7	9.7	8.1	9.5	10.1	8.4	8.3	6.3	8.2	9
1990	6	14.7	15.9	10.8	17.6	14.8	17.3	16.9	15.9	15.1	15	16.4	14.3
1990	7	17.8	18.3	15.1	20.7	19.2	20.6	20.2	18.8	18.2	18.2	18.9	17.5
1990	8	18.1	20	18.7	20.5	19.6	20.7	20.5	19.6	19.1	20.1	20.2	18.8
1990	9	12.9	13.7	15.3	14.1	15.1	14.6	15.1	13.4	13.8	13.9	13.9	14.6
1990	10	10.4	10.9	11.6	11.5	11.4	11.7	12.1	10.7	10.8	10.7	11	11.6
1990	11	3	3.9	4.5	4.5	4.8	4.3	5	3	3.9	4.1	3.5	5.2
1990	12	-0.3	-0.6	1	1.2	1.2	0.6	1.5	-1.2	-0.2	-0.1	-0.7	2.3
1991	1	-7	-9.1	-5.6	-6.7	-5.8	-6.8	-4.9	-9.7	-8.1	-8.4	-8.6	-3.1
1991	2	-3.8	-5.3	-3.4	-3.3	-2.7	-3.7	-2	-5.9	-4.8	-5.3	-4.2	-1.3
1991	3	-0.7	-0.1	0.2	0.7	0.9	0.7	1.4	-0.5	0	-0.8	0.4	1.8

Year	Month	Annapolis Royal	Collegeville	Deming	Greenwood	Halifax	Kentville	Liverpool	Nappan	Parrsboro	Sydney	Upper Stewiacke	Yarmouth
1991	4	3.1	2.7	2.3	5.4	4.3	5.2	5.6	3.8	4.1	2.1	4.1	5.7
1991	5	10.1	9.2	6.5	12	10.3	12.1	12.3	10.6	10.3	7.7	9.8	10.6
1991	6	13.9	13.9	10.7	16.2	14.8	16.7	16.1	14.8	14.6	13.2	14.9	13.6
1991	7	17.4	18.4	15.4	19.8	19.1	20	19.3	18.5	17.7	17.9	18.4	17.1
1991	8	17.7	18.5	17	19.9	19.1	19.8	20.2	18.3	18	18	18.7	17.3
1991	9	13.8	13.2	14.5	14.1	14.4	14.6	14.8	13.3	13.4	13.6	13.7	13
1991	10	10.1	9.5	10.9	10.6	10.8	10.7	10.4	9.7	10.3	9.7	9.8	10.6
1991	11	5.7	5.3	6.6	5.6	6.3	5.5	6	4.1	5.1	5.3	5.2	6.3
1991	12	-1.7	-3.7	-0.9	-3.3	-1.8	-3.1	-1.9	-5.1	-4.1	-2.7	-3.9	-0.7
1992	1	-4.7	-7.7	-5.1	-5.7	-5.4	-5.9	-5	-7.6	-6.7	-6.3	-7.5	-3.4
1992	2	-4.4	-7.4	-4.7	-5.9	-4.7	-5.7	-4.4	-8.1	-6.2	-6.6	-7	-3.3
1992	3	-2.7	-5.3	-4	-2.8	-2.9	-3	-2.5	-5.2	-4.1	-5	-4.7	-1.5
1992	4	2.9	1.4	0.6	3.4	2.3	3.2	3.6	2.1	2	0	2.4	2.9
1992	5	10	9.2	6.2	10.7	9	10.5	10.6	9.5	8.8	8.4	9.8	9.1
1992	6	15.9	14.6	11.3	16.3	14.9	16	16.3	14.8	13.7	13.1	15.6	14
1992	7	16.3	15.8	14.3	17	16.4	16.9	16.8	16	14.8	15.2	15.9	14.7
1992	8	18.4	18.1	16.1	18.8	18.3	19.2	18.6	18	17.1	18.4	18	16.4
1992	9	14.2	14.5	15.1	15.2	15.1	15.7	15.4	14.7	14.1	15.2	14.5	13.8
1992	10	8.9	7.5	9.7	8.4	9	8.8	8.6	7.9	8.1	8.3	7.5	8.3
1992	11	3.8	1.6	3.5	2.1	2.9	2.3	2.9	1.1	1.7	2	1.4	3.5
1992	12	0	-3.3	-0.9	-1.9	-1.2	-1.8	-1.2	-3	-2.1	-1.9	-3	-0.1
1993	1	-3.2	-8	-5.1	-6.1	-5.6	-6	-5.6	-7.6	-6.9	-6.9	-7.6	-3.7
1993	2	-5.3	-11.2	-7.4	-9.2	-7.7	-9	-7.4	-10.8	-9.6	-9.4	-10.3	-5.9
1993	3	0.3	-3.3	-2.4	-2	-1.5	-2.5	-1.6	-3.8	-2.9	-2.9	-3.2	-0.8
1993	4	8.4	4	2.3	5.9	4.2	5.2	5.7	4.4	4.1	2.8	4.7	6
1993	5	13.2	9	6.2	11.4	10	10.9	11.8	10	9.4	7.9	10.2	9.8
1993	6	N/A	13.7	10.2	15.2	13.4	14.9	15.2	14.2	13.1	13.5	13.9	12.6
1993	7	18.8	15.9	14.5	19.3	17.2	18.4	19.2	17.7	16.8	15.6	17.2	16.5
1993	8	18.9	16.9	17.2	19.3	18.6	19.1	19.1	18.5	18.1	17.3	18.4	17.7
1993	9	N/A	14.3	15.1	15	15.6	15.4	15.9	14.8	14.4	14.6	14.6	14.8
1993	10	7.9	6.8	8.9	7.5	8.2	7.5	8.2	6.8	7.3	7.2	6.7	8.6
1993	11	4.4	2.8	4.8	3.6	4.5	3.8	4.5	2.9	3.7	3.3	3.1	5.2
1993	12	-0.4	-1.7	0.6	-1.2	-0.1	-0.9	0.3	-2.1	-1.5	-0.9	-1.4	1
1994	1	-7.7	-10.3	-7	-8.3	-7.1	-8.8	-7.8	-11.2	-9.7	-8.4	-10.1	-5.2
1994	2	-6.5	-9.2	-7.2	-6.9	-6	-7	-5.7	-9.1	-7.8	-9.3	-8.8	-5
1994	3	-0.2	-1.8	-1.6	0.1	-0.2	-0.2	0.7	-1.1	-1	-2.1	-0.8	0.5
1994	4	6.8	5.3	3.6	7.3	6.1	7.2	7.6	5.9	5.4	3.7	6	5.9
1994	5	9.7	8	6.2	10.3	9	10.2	10.7	9.6	8.7	7.4	8.8	9.2
1994	6	16.9	15.5	11.3	18.2	15.6	18	17.8	16.5	15.2	15	16.1	15.1
1994	7	20.2	20.2	16.5	21.7	20	21.4	21.2	20.5	19.4	20.6	20.6	18.7
1994	8	18.2	18.2	17.1	18.9	18.2	19.1	19.4	18.4	17.6	18.5	18.1	17.2
1994	9	14	12.6	14.4	14	14.4	13.9	14.1	13.3	13.7	13.4	13	13.8
1994	10	10	8.5	9.7	9.3	9.9	9.2	9.5	9.2	9.3	9	8.3	9.9
1994	11	6.6	4.3	5.1	5.7	5.7	5.3	6.1	4.8	5	4.5	4.1	6.6
1994	12	0.1	-2.3	-0.2	-1.8	-0.7	-2.1	-0.6	-3.4	-2.2	-1.1	-2.5	0.4
1995	1	-0.8	-3.6	-2.2	-2.1	-1.6	-2.7	-0.6	-4.5	-3	-3.3	-2.8	0.4
1995	2	-4.7	-7.2	-4.6	-5.9	-4.8	-6.3	-4.4	-8.3	-6.9	-6.7	-6.7	-3.3
1995	3	0.4	-2.5	-1.9	0	-0.8	-0.3	0.8	-1.7	-1.3	-2.3	-0.8	0.3
1995	4	3.9	2.2	2	4	3.8	3.5	4.1	3.1	2.7	1.9	2.9	3.8
1995	5	10.5	7.8	5.7	10.3	8.3	9.5	9.9	9.1	9	6.1	8.7	9

Year	Month	Annapolis Royal	Collegeville	Deming	Greenwood	Halifax	Kentville	Liverpool	Nappan	Parrsboro	Sydney	Upper Stewiacke	Yarmouth
1995	6	16.1	14.9	10.8	17.2	15.4	16.6	16.7	15.7	14.8	14.2	15.1	14.2
1995	7	20	19.3	15.8	20.6	18.6	20.4	20.3	19.4	18	19.3	19.5	17.6
1995	8	18.6	16.5	17.3	18.7	18.6	18.3	18.8	17.5	17.2	17.8	16.7	17.5
1995	9	14.2	12.2	14.3	13.3	14.1	13.5	14	12.8	13.2	12.7	12.8	13.2
1995	10	12.7	10.4	11.8	12.1	12.1	11.8	12.5	11	11.4	10.4	11.2	12.2
1995	11	4.9	3	5.1	3.6	4.4	4	4.7	2.8	3.5	3.9	3.3	5.3
1995	12	-2.8	-4	-1.7	-3.6	-2.7	-3.8	-2.6	-4.8	-3.9	-2.1	-4.5	-1.6
1996	1	-2.9	-6.6	-4.5	-5.3	-5.1	-5.3	-4.1	-7.2	-5.8	-5	-6.6	-3.5
1996	2	-2.5	-4.3	-2.8	-3.5	-3.2	-3.9	-3.1	-5.3	-4.6	-3.6	-4	-2.4
1996	3	-0.1	-2.1	-1.3	-1.1	-1	-1.6	-0.2	-2.6	-1.7	-2.1	-1.5	0
1996	4	5.9	3.5	2.9	5.8	4.4	5.5	5.5	5	4.6	3	4.5	4.8
1996	5	10.2	7.6	6.1	10	8.2	9.6	10	8.9	8.3	6.9	8.2	8.7
1996	6	16.1	14.5	11.1	16.5	14.1	16.4	16	15.3	14.3	14.1	14.9	13.3
1996	7	18.2	17.5	13.6	19.1	17	N/A	18.5	17.7	16.6	17.5	17.9	15.7
1996	8	18.6	18.3	17.9	19.3	18.7	N/A	19.3	18.1	17.4	18.3	18.7	16.4
1996	9	14.6	13.7	15.1	14.8	15.8	N/A	15.9	14.3	14.2	13.6	13.7	14.7
1996	10	8.3	6.9	8.7	7.8	8.5	N/A	8.6	7	7.6	7.6	7	8.4
1996	11	3.5	2.3	4.1	3.1	3.7	N/A	3.4	2.1	2.8	3	2.5	3.8
1996	12	2.3	0.4	2.3	1.8	1.9	N/A	2.1	0.2	1.1	1.6	0.6	2.8
1997	1	-3.9	-6.4	-3.8	-4.6	-4.4	N/A	-3.8	-7.4	-5.9	-5	-6.8	-2.9
1997	2	-2.6	-6.1	-4.3	-3.6	-3.8	N/A	-1.9	-6.5	-5.4	-6.2	-6.1	-1.3
1997	3	-1.4	-5.1	-3.4	-2.8	-2.8	N/A	-1.9	-4.4	-3.7	-5.3	-5	-1.2
1997	4	3.8	1.4	2.1	3.2	3	N/A	3.8	1.8	2.2	0.5	1.6	3.4
1997	5	10.4	8.2	5.4	10.5	8.8	N/A	10.4	9.3	8.3	7.3	7.7	8.5
1997	6	15.7	13.3	10.2	15.9	13.5	15.7	16	14.3	13.8	11.9	13.5	14
1997	7	19.2	18.5	14.4	20.2	18.7	20.3	19.8	18.8	17.5	18.3	17.8	17.2
1997	8	18.6	17.1	17	18.5	18	18.6	18.5	17.8	17.5	17	16.8	16.9
1997	9	15.2	14.1	15.4	15	15.5	15.3	15.5	14.8	14.2	14.2	13.5	14.2
1997	10	8.2	6.4	8.9	7.1	8.4	7.5	8.2	6.4	7.2	7.2	6.3	8.3
1997	11	4.1	2.4	4.4	2.5	3.7	2.8	3.9	1.6	2.2	3.2	2.4	4.4
1997	12	-0.5	-2.7	-0.3	-2.2	-1.1	-2.2	-1.3	-4	-2.9	-1.4	-2.9	-0.2
1998	1	-1.5	-4.7	-3	-3	-2.5	-3.1	-2.4	-4.9	-3.8	-3.9	-4	-1.1
1998	2	-0.5	-3.2	-2	-1.7	-1.3	-1.7	-0.4	-3.8	-2.5	-3	-2.1	-0.2
1998	3	1.2	0.9	0.3	1.1	1.1	1.2	1.5	N/A	0.3	0	0.9	1.4
1998	4	6.6	4.2	2.9	6.4	5.6	6.1	6.4	N/A	5	3.5	5.2	6
1998	5	14	11.8	7.9	13.9	11.3	N/A	13.8	12.6	11.8	10.1	13	12.1
1998	6	15.9	13.9	11.7	15.9	13.5	15.8	15.5	15	14.1	13.5	14.8	13.7
1998	7	19.5	18.9	15.6	20.3	18.6	20.5	N/A	19.4	18	18.4	18.7	16.6
1998	8	N/A	18.2	17.8	19.9	19.2	20.1	19.6	18.6	18.1	18.5	18.5	17.2
1998	9	15.6	14	15.5	15.4	15.5	15.5	15.6	14.4	14.4	14.7	14	14
1998	10	9.2	8.2	9.6	8.9	9.4	9.2	8.9	9	8.9	9.3	8.2	9.1
1998	11	4.1	2.5	4.4	3.3	3.9	3.5	3.2	2.3	2.9	3.8	2.5	4.1
1998	12	N/A	-2.1	-0.2	-0.1	0.4	-0.1	0.4	-1.8	-0.8	-1.4	-2.3	1.6
1999	1	-2.2	-4.5	-2.9	-3.6	-2.9	-3.7	-3.1	-5.5	-4.6	-3.8	-4.9	-1.3
1999	2	-1.1	-3.9	-2.3	-1.8	-1.6	-2.2	-1.5	-3.4	-2.6	-3.1	-3	-0.8
1999	3	3.5	2.4	2	3	2.9	N/A	2.8	1.9	2	1.8	2.4	2.7
1999	4	N/A	2.8	2.7	5.5	4.8	5.3	5.9	4.4	4.2	2.7	3.2	5.4
1999	5	14.2	12.6	8.3	14.3	11.7	13.9	12.8	13.2	12	11.7	12.5	12.2
1999	6	17.2	16.8	13.1	18.8	16.6	18.9	18.3	17.5	16.2	16.7	16.1	15.8
1999	7	19.8	20	16.6	21.2	19.6	21.2	21.1	20	18.8	19.3	19.1	18.2

Year	Month	Annapolis Royal	Collegeville	Deming	Greenwood	Halifax	Kentville	Liverpool	Nappan	Parrsboro	Sydney	Upper Stewiacke	Yarmouth
1999	8	18.6	18.7	18.6	19.4	19.1	19.6	18.8	18.6	17.8	19.1	17.8	17.7
1999	9	18.2	17.6	18.4	18.4	18.9	19	18.2	17.9	17.6	18.1	17.1	17.1
1999	10	N/A	7.9	9.6	8.4	9.2	8.4	8.2	7.8	8.4	8.2	6.8	9.3
1999	11	6.7	4	5.4	6.1	5.8	6	5.7	5	5.4	4.2	3.7	6.9
1999	12	N/A	-0.6	1.4	0.5	0.9	0.4	0.3	-0.9	-0.2	0.5	-1.3	1.5
2000	1	N/A	-4.9	-2.1	-4.1	-3.1	-4.2	-4.7	-6	-4.6	-3.5	N/A	-2.3
2000	2	-1.3	-5.2	-2.8	-2.6	-2.5	N/A	-2.6	-4.4	-4	-4	-5	-1.3
2000	3	3.6	0.8	1.1	2.3	1.8	1.6	2.8	0.6	1	0.6	0.6	2.9
2000	4	6.3	4.6	3.8	6.7	5.6	6.4	6.6	5.3	5.2	4.1	4.5	6.4
2000	5	10.3	7.9	6.7	10.6	9.2	10	10.4	9.3	8.9	6.9	7.8	9.5
2000	6	15.1	14.9	11.9	16.6	15.2	16.4	15.9	15	14.2	14.1	13.8	14.1
2000	7	18.3	17	15.3	19.2	17.4	18.8	18.5	18.3	17.4	17	16.7	16.7
2000	8	18.8	17.9	18	19.2	18.9	19.2	18.5	18.6	17.8	19.1	17.5	17.4
2000	9	15.3	13.1	15	14.7	15	14.6	14.4	13.9	14.1	13.9	13.7	14.1
2000	10	9.9	9.1	11	9.6	10.8	9.9	9.5	9.5	9.9	9.4	9.1	10
2000	11	6	4.5	6.3	5.1	5.8	4.6	5.1	4	4.3	4.8	4.9	5.9
2000	12	-1.5	-4	-1.7	-2.7	-1.8	-3.2	-2.4	-4.4	-3.7	-2.3	-3.8	-0.6
2001	1	-4.6	-7.1	-3.2	-5.9	-4.4	-5.9	-6	-7.7	-6	-5.1	-7.2	-3.1
2001	2	-3.5	-7.1	-4.5	-5	-4.5	-5.3	-5.2	-6.8	-5.6	-6	-7	-3
2001	3	-1	-2.6	-1	-0.7	-0.5	-1	-1.3	-1.9	-1.3	-2	-1.6	-0.3
2001	4	4.7	0.8	2.2	4.5	3.7	3.8	4.4	2.9	3	1.2	2.7	4.3
2001	5	11.6	9.8	7.9	12.5	10.7	12.3	12	11.3	10.9	8.4	10.8	10.5
2001	6	17.6	15.1	12.2	18.8	15.9	18.2	17.9	17.1	15.6	14.5	16.4	15.2
2001	7	N/A	17.6	14.6	19.5	16.9	19.1	18.5	18.5	17.1	17.8	17.6	15.8
2001	8	20	20.1	18.4	21	19.8	21.3	20.4	20.2	19	20.3	20.1	17.6
2001	9	16	15.6	16.3	16.1	16.3	16.4	15.7	15.6	15.2	16.1	15.2	14.7
2001	10	11.6	10.1	12.1	10.9	11.9	11.1	11	10.1	10.4	10.8	10	11.1
2001	11	5.8	4.3	6.1	4.8	5.7	5.3	5.1	4.4	4.7	4.4	4.1	6
2001	12	N/A	-0.5	2.1	0.6	1.6	0.8	1	-0.5	0.4	0.6	-0.9	2.4
2002	1	N/A	-5.5	-2.4	-2.8	-1.9	-3	-2.4	-5.3	-4	-4.7	-4.5	0.4
2002	2	N/A	-4.6	-3.4	-2.7	-3.1	-3.3	-3.3	-4.7	-3.9	-4.2	-4.9	-0.8
2002	3	N/A	-1.3	-0.7	0.6	0.2	-0.1	1.2	-0.7	-0.8	-1.8	-0.7	1.7
2002	4	N/A	3	2.8	5.6	4.8	5.3	N/A	4.5	4.2	2.5	3.6	5.2
2002	5	N/A	9.5	6.5	11.4	9.3	11.2	10	10.5	9.6	8.9	9.4	9.4
2002	6	N/A	12.7	10.1	15.3	13.1	14.7	14.8	13.9	13.5	11.8	13.1	12.8
2002	7	N/A	17.8	14.7	20	17.2	19.3	18.8	18.3	17.5	16.8	17.7	17.2
2002	8	N/A	19.3	17.7	20.4	19.6	N/A	19.7	18.9	18.7	19.4	19.3	18.2
2002	9	N/A	14.3	15.6	16.6	16.3	N/A	16.4	15.5	15.3	15.2	15.1	15.6
2002	10	8.3	7.2	9.1	8.1	8.6	8	7.6	7.2	N/A	7.4	7.4	8.3
2002	11	4.1	2.2	4.1	3.5	4.3	3.3	3.9	2.4	N/A	3.2	2.6	5.2
2002	12	-0.4	-3.1	-0.5	-1.9	-1.3	-2.1	-1.6	-3.3	N/A	-2	-3.3	0.3
2003	1	-6.3	-9.3	-5.3	-7.3	-6.1	-7.8	-8.2	-10.3	N/A	-7.3	-8.8	-5.1
2003	2	-5.8	-9.5	-6	-6.7	-5.8	-7.2	-5.6	-8.7	N/A	-7.9	-7.7	-4.7
2003	3	-0.2	-2.3	-2.7	-0.4	-1.3	-1.6	-0.9	-2.6	N/A	-3.9	-2.3	0
2003	4	3.9	2	1.2	4.2	2.9	3.8	3.9	3.3	N/A	0.9	3.3	3.7
2003	5	10.4	9	7.1	10.7	8.5	10	10.4	9.3	N/A	7.8	9.2	9.3
2003	6	15.7	N/A	11.2	17	14.8	16.8	16.5	15.9	N/A	14.3	15.3	14.2
2003	7	19.7	20.2	15.7	21.4	19	21.3	21	19.8	N/A	19.8	20.6	17.6
2003	8	18.9	18.2	17.8	20	18.6	20	19.4	19.3	N/A	18	18.6	18
2003	9	16.6	15.8	16.8	16.9	17.2	17	16.4	16.4	N/A	16.8	15.6	15.5

Year	Month	Annapolis Royal	Collegeville	Deming	Greenwood	Halifax	Kentville	Liverpool	Nappan	Parrsboro	Sydney	Upper Stewiacke	Yarmouth
2003	10	10.3	10.1	11.7	10.3	11	10.3	10.2	9.6	N/A	10.6	9	10.3
2003	11	5.8	4	5.7	5.6	5.6	5.3	5.8	4.3	N/A	4.4	4	6.1
2003	12	0.7	-0.2	1.6	-0.1	0.2	-0.1	0.6	-1.5	N/A	0.2	-1	1.1
2004	1	-9	N/A	-7.2	-9	-8.8	-9.8	-9.3	-11.7	N/A	-7.5	-11.3	-6.9
2004	2	-4.6	-6.7	-4	-5.2	-4	-5.2	-5.2	-6.7	N/A	-5.3	-6.3	-3.3
2004	3	-1	-1.8	-1.5	-1.3	-1.2	-1.5	-1.6	-2.5	N/A	-2.3	-1.8	-0.9
2004	4	5.2	4.5	3.4	5.9	4.8	5.4	5.9	4.2	N/A	3.3	4.9	4.9
2004	5	10.8	8.7	6	11.9	8.8	10.9	11.3	9.8	N/A	7.1	9.2	9.3
2004	6	14.4	12.5	11.2	15.1	13.8	14.7	14.7	13.3	N/A	11.7	13.2	12.7
2004	7	18.7	18.2	15.5	20.2	17.8	19.8	19.3	18.5	N/A	18.1	19.2	16.8
2004	8	18.6	19.1	17.8	20.7	19.2	20.3	20	18.7	N/A	19.8	19.3	17
2004	9	14.4	13.2	14.8	14.7	14.9	14.8	14.2	13.5	N/A	13.7	13.7	13.7
2004	10	10	9.1	10.8	10.1	11	10.2	10	9.5	N/A	9.9	9.7	10.2
2004	11	4	2.5	5	3.7	4	3.4	3.5	2.5	2.7	3.6	2.8	3.9
2004	12	-0.5	-1.7	0.3	-1.6	-0.5	-1.6	-0.4	-3.2	-2.6	-1.1	-1.8	0.5
2005	1	-6	-8.1	-5.2	-7.3	-6.7	-7.7	-7	-9.6	-9.7	-6.2	-8.7	-5.2
2005	2	-3.7	-6.3	-3.2	-4.3	-3.3	-4.1	N/A	-6.1	-6	-4.6	-5.5	-2.5
2005	3	-0.2	-2.7	-1	-0.6	-0.4	-1	-0.2	-2.1	-2.4	-2.4	-1.9	0.2
2005	4	6.1	4.4	2.8	6.5	4.9	6.4	5.8	5.6	4.4	3.6	5.2	5.7
2005	5	9.5	8.2	6.3	9.6	8.2	9.2	8.6	8.7	8.8	7	8.9	8.5
2005	6	15.6	15.3	12	17.4	15	17.1	16.4	15.2	14.3	14.2	15.2	13.4
2005	7	18.1	18.4	16	19.8	18.7	19.6	19.7	18	16.5	18.7	N/A	16.9
2005	8	19.3	18.9	18.5	20	19.5	20	19.9	18.6	16.8	19.4	N/A	17.8
2005	9	16.7	15.8	17.2	16.7	17.2	17	16.9	15.4	14.2	16.3	N/A	15.4
2005	10	11.2	9.9	11.9	10.9	11.8	11.3	11.8	9.9	9.6	11.1	N/A	11.7
2005	11	6.8	5.4	6.8	6.4	6.3	6.2	6.5	5.1	4.8	5.6	4.9	7
2005	12	-0.4	-1.2	1	-1.4	0	-1.2	-0.6	-2.8	-2.6	0.2	-1.7	1
2006	1	0.2	-0.7	0.5	-0.5	-1.2	-0.5	0.1	-2.1	-1.9	0	-0.9	0.8
2006	2	-3.1	-5.1	-2.7	-4.1	-4.6	-4.1	-3.6	-5.4	-5.5	-4.4	-4.9	-2.7
2006	3	N/A	N/A	N/A	0.6	0.2	0.5	1.2	-0.2	-0.4	-0.7	-0.5	0.8
2006	4	N/A	N/A	4.4	6.3	5.5	6.2	6.5	5.2	5	4.3	5.5	6.1
2006	5	N/A	N/A	8.2	13.8	12.1	13.2	11.9	12.2	11.6	10.2	12.2	11.4
2006	6	N/A	15.2	12.5	18.4	16.5	18.3	17.3	17.1	15.7	16.6	17.3	14.5
2006	7	N/A	19.1	N/A	21.7	20.2	21.6	N/A	20	18.7	20	20.1	18.5
2006	8	N/A	17.9	17.8	17.6	17.6	18	18.5	16.8	15.6	17.2	16.9	16.7
2006	9	N/A	12.2	16.3	14.8	15.1	15.5	14.5	14.3	13.6	14.8	14.2	14.6
2006	10	N/A	9.6	11	9.3	9.5	9.5	9.8	8.9	8.6	9.3	8.8	10.1
2006	11	N/A	7.6	7.1	6.9	6.2	7.3	6.9	6	5.8	5.8	6	7.7
2006	12	N/A	0.9	1.4	0.6	-0.2	0.5	1	-0.9	-0.5	-0.3	-0.4	2.9
2007	1	N/A	-2.2	-2.4	-4	-4.2	-3.8	-3.5	-5.3	-5.1	-3.1	-4.6	-1.5
2007	2	N/A	-8.5	-5.5	-7.2	-7.5	-6.9	-7.5	-8.5	-8.6	-7.7	-8.7	-4.5
2007	3	N/A	-0.6	-1.5	-0.4	-1	-0.3	0.3	-1.3	-1.4	-2	-1.2	0
2007	4	N/A	3.9	2.1	3.6	3.4	3.9	3.6	2.8	2.6	1.6	3	4
2007	5	N/A	9.7	6.5	10.6	9.4	10.7	11.2	9.5	8.7	7.5	9.1	9.5
2007	6	N/A	12.5	11.7	16.6	15.1	16.2	15.6	15.2	14.3	12.5	15.1	14.1
2007	7	N/A	18.9	14.8	20.5	19.1	20.4	19.9	18.7	16.8	19.2	19	16.9
2007	8	N/A	18.3	17.8	19.4	18.8	N/A	20	17.9	16	18.1	17.5	17
2007	9	N/A	14.2	15.3	15.9	15.6	15.5	16.4	14	13.3	14.3	13.8	14.8
2007	10	N/A	9.6	11.4	10.7	10.6	10.8	11.4	9.6	8.9	10	8.6	10.8
2007	11	N/A	2.8	6	3.9	3.3	3.5	N/A	2.5	2.5	4.8	2.7	4.8

Year	Month	Annapolis Royal	Collegeville	Deming	Greenwood	Halifax	Kentville	Liverpool	Nappan	Parrsboro	Sydney	Upper Stewiacke	Yarmouth
2007	12	N/A	-2.2	N/A	-3.4	-4.6	-4.4	N/A	-6.6	-6.4	-2.8	-6	-1.6
2008	1	N/A	-3.2	-1.7	-2.8	-3.6	-3.5	N/A	-5.6	-5.3	-3.1	-5	-1.1
2008	2	N/A	-4	-2.3	-2.7	-3.4	-3.5	-2.7	-5.7	-5.6	-3.8	-4.1	-1.8
2008	3	N/A	-0.6	-1.7	-1.2	-2.2	-2.1	-0.3	-3.8	-3.6	-3.1	-2.7	-0.2
2008	4	N/A	5.6	3.7	6.9	5.9	6.1	6.5	4.9	4.7	3.2	5	6.3
2008	5	N/A	9	6.4	11	9.7	10.4	10.8	9.1	9	7.1	8.8	9.4
2008	6	N/A	15	13	17.7	15.8	16.5	17.4	15.4	14.3	13.3	15.5	15
2008	7	N/A	20.9	16.5	22.2	20.6	21.2	21.8	19.7	17.9	20.5	20.2	18.3
2008	8	N/A	18	18.2	19.3	18.4	18.5	19.1	17.6	16.7	17.5	18	17.1
2008	9	N/A	13.7	15.5	15.1	14.7	14.5	14.7	13.7	13.2	14.4	13.7	14.4
2008	10	N/A	8	10.8	9.7	9.1	9.1	9.9	8.2	7.6	8.5	7.6	9.8
2008	11	N/A	5.1	6.5	5.3	4.2	4.5	5.1	3	3.4	5.5	3.6	5.8
2008	12	N/A	-2.6	1.2	0.1	-1	-0.7	0.6	-2.3	-1.9	-0.2	-1.7	1.5
2009	1	N/A	-10.3	-5.4	-6.8	-7.3	-7.6	-6.2	-10	-9.8	-7.3	-9.2	-3.9
2009	2	N/A	N/A	-3.1	-3.7	-4.1	-4	-3.4	-6.2	-5.8	-3.9	-5.6	-1.9
2009	3	N/A	-1.3	-1.1	-0.8	-1.4	-1.8	0	-3.4	-2.9	-2.4	-1.7	0.5
2009	4	N/A	5.1	3.7	7.2	5.7	6.3	7.2	4.8	4.3	4	4.8	6.1
2009	5	N/A	9.4	7.4	12.3	11	11.9	11.7	10.7	9.7	9.8	10.4	10
2009	6	N/A	14.8	12.2	17	15.7	16.4	15.6	15.4	14.5	13.7	15	15.1
2009	7	N/A	18	15.9	19.3	17.8	18.9	18.7	17.5	16.4	17.5	17.5	16.7
2009	8	N/A	20	17.9	20.3	20.1	20.1	N/A	18.6	17.3	19.8	18.8	17.8
2009	9	N/A	13.4	14.5	13.9	14.1	13.9	14.2	13.1	12	13.7	12	13.9
2009	10	N/A	6.9	9.1	7.5	7.3	7	7.9	N/A	6.3	7	6.2	8.4
2009	11	N/A	5.4	7	5.9	6	5.7	6.2	4.5	4.2	5.4	4.4	7.5
2009	12	N/A	-2.1	0.1	-1.7	-2.2	N/A	-0.6	-2.9	-2.7	-0.8	-2.1	0.4
2010	1	N/A	-3.9	-1.3	-3.5	-3.8	-3.7	-2.5	-4.9	-4.4	-2.7	-4.3	-1.9
2010	2	N/A	-3.3	-2	-2	-3.1	-2.3	-2.9	-3.5	-3.2	-2.5	-3.8	-0.9
2010	3	N/A	N/A	N/A	2.9	2.3	2.3	4.1	0.4	1.1	0.2	1.3	3.5
2010	4	N/A	N/A	N/A	8.5	7.6	8	9.1	6.5	6.1	5.3	6.3	7.2
2010	5	N/A	N/A	N/A	13	11.3	12.4	12.8	10.8	9.6	8.4	9.6	10.9
2010	6	N/A	N/A	N/A	16.7	15.5	16.3	17	15.2	13.9	13.1	14.2	14.5
2010	7	N/A	N/A	N/A	21.5	19.9	20.9	21	19.9	18.4	19.8	19.5	18.4
2010	8	N/A	18.1	19.3	19.5	19.7	19.5	N/A	18.4	17.3	18.5	18.1	17.8
2010	9	N/A	15.3	16.3	16.9	16.6	16.7	18	15.3	14.9	15.3	15.4	15.8
2010	10	N/A	8.2	10.6	10.1	9.6	9.7	N/A	8.5	8.4	9.2	7.9	10.9
2010	11	N/A	4.2	N/A	4.7	4.3	4.3	N/A	3.1	3.3	4.4	4	6.1
2010	12	N/A	N/A	3.7	1.2	0.9	1.1	1.2	0.5	0.4	2.8	1.3	1.5
2011	1	N/A	N/A	N/A	-4	-4.3	-4.8	-3	-6.7	-6.2	-3	-4.9	-2.2
2011	2	N/A	N/A	N/A	-4.9	-5.1	-5	N/A	-7.7	-7	-5.2	-6.7	-2.2
2011	3	N/A	N/A	-0.3	0.4	-0.6	0	N/A	-1.4	-1.6	-1.5	-1.3	0.8
2011	4	N/A	N/A	N/A	6.4	5.1	N/A	N/A	4.6	4.2	3.9	4	5.9
2011	5	N/A	9.6	7.4	13.2	10.9	12	N/A	10.4	10.6	8.8	11.6	12
2011	6	N/A	12	11	15.9	13.9	14.7	16.2	13.8	13.4	11.2	13.2	14.4
2011	7	N/A	18	15.4	20.3	18.9	19.3	20.6	18	16.7	17.3	18.1	17.7
2011	8	N/A	18.3	17.4	19.6	18.8	19	N/A	18.3	17.3	17.9	18.5	17.6
2011	9	N/A	14.9	16.2	16.7	16.2	16.2	16.6	15.2	14.3	15.6	15.2	15.9
2011	10	N/A	10.8	11.8	10.8	10.8	10.7	N/A	9.7	9.3	10.3	9.4	11.4
2011	11	N/A	4.8	6.7	6.2	5.6	5.7	N/A	4.5	4.2	4.8	4.1	7.3
2011	12	N/A	0.7	2.9	1.7	0.8	1.1	N/A	-0.5	0	0.3	0.7	3.4
2012	1	N/A	N/A	N/A	-2.6	-3.2	-3.3	N/A	-5.1	-4.5	-2.6	-4.1	-0.2

Year	Month	Annapolis Royal	Collegeville	Deming	Greenwood	Halifax	Kentville	Liverpool	Nappan	Parrsboro	Sydney	Upper Stewiacke	Yarmouth
2012	2	N/A	N/A	N/A	-3	-3.6	-3.5	N/A	-6	-5.6	-3.9	-5.2	-0.2
2012	3	N/A	N/A	N/A	2.8	2.2	2.5	N/A	0.3	0.5	0.5	0.8	2.9
2012	4	N/A	N/A	N/A	7.2	6.3	6.7	7.8	5.6	5	5.1	5.5	7
2012	5	N/A	N/A	N/A	13.3	12.1	12.6	N/A	11.1	10.8	9.9	10.7	11.6
2012	6	N/A	N/A	N/A	16.2	14.7	15.5	N/A	14.5	13.9	12.6	14.4	14.5
2012	7	N/A	N/A	N/A	20.7	20.2	20.3	N/A	19.1	17.8	18.9	18.4	18.6
2012	8	N/A	N/A	N/A	21.5	20.9	21.1	22	20.1	18.8	21	20.3	19
2012	9	N/A	N/A	N/A	16.4	16.2	16	16.6	15.2	14.7	16.1	15.6	15.9
2012	10	N/A	N/A	N/A	11.2	10.9	10.9	N/A	9.8	9.9	10.5	10	12
2012	11	N/A	N/A	N/A	3.7	3.7	3.6	N/A	2.6	2.7	4.8	3.3	4.9
2012	12	N/A	N/A	N/A	0.4	0	-0.2	N/A	-1.6	-0.9	0.9	-0.4	2.3
2013	1	N/A	-5.1	N/A	-5.4	-6.2	-5.4	N/A	-7.9	-7.8	-5.2	-8.4	-2.3
2013	2	N/A	-4.2	N/A	-4	-4.3	-4.2	N/A	-5.7	-5.3	-4.5	-5.1	-1.8
2013	3	N/A	N/A	N/A	1	0.2	0.7	N/A	-0.1	0.1	-1	0.1	1.6
2013	4	N/A	N/A	N/A	6.1	4.6	5.3	N/A	4.1	4.3	2.7	4	5.2
2013	5	N/A	N/A	N/A	12.4	10.6	11.8	N/A	10.7	9.8	9.8	10.5	10.6
2013	6	N/A	N/A	N/A	17.2	16.2	16.6	N/A	15.3	14.2	14.4	15.4	14.8
2013	7	N/A	N/A	N/A	21.6	20.9	21.1	N/A	19.4	18.3	19.9	19.7	18.9
2013	8	N/A	N/A	N/A	19.3	19	18.8	N/A	17.8	16.6	18.8	17.8	17.5
2013	9	N/A	N/A	N/A	15.5	15.2	15.1	N/A	14.3	14	15.2	13.8	14.1
2013	10	N/A	N/A	N/A	9.5	9.8	9.3	N/A	8.5	8	9.3	7.8	10.6
2013	11	N/A	N/A	N/A	3.5	3	3.3	N/A	2.1	2.3	3.9	2.5	4.7
2013	12	N/A	N/A	N/A	-3.4	-3.8	-3.8	N/A	-6	-5.6	-3.4	-5.3	-0.3
2014	1	N/A	N/A	N/A	-3.8	-4.3	-4.1	N/A	-6.3	-5.9	-4.7	-5.4	-1.8
2014	2	N/A	N/A	N/A	-4.5	-4.8	-4.8	N/A	-7	-6.6	-6.4	-6.5	-2.4
2014	3	N/A	N/A	N/A	-3.6	-3.8	-4	N/A	-5.8	-5.3	-4.8	-4.7	-1.6
2014	4	N/A	N/A	N/A	6	4.6	5.7	N/A	4.2	4	2.2	4.1	5.6
2014	5	N/A	N/A	N/A	10.9	9.6	10.2	N/A	9.2	9.2	7	9.4	10
2014	6	N/A	N/A	N/A	16.9	15.7	16	N/A	15	14.4	13.1	14.3	14.8
2014	7	N/A	N/A	N/A	21.9	20.3	21.1	N/A	19.9	18	20.7	20.1	18
2014	8	N/A	N/A	N/A	18.8	18.6	18.4	N/A	17.6	16.5	18.8	17.5	17.3
2014	9	N/A	N/A	N/A	15.3	15.1	14.7	N/A	13.8	13	14.6	13.1	14.8
2014	10	N/A	N/A	N/A	11.7	11.7	11.4	N/A	10.4	10.3	11.1	10.7	12.7
2014	11	N/A	N/A	N/A	4.4	4.1	3.5	N/A	2.2	2.6	4.4	3.1	5.9
2014	12	N/A	N/A	N/A	1.4	0.9	0.8	N/A	-0.6	0.2	0.9	1.3	2.6
2015	1	N/A	N/A	N/A	-6.3	-6.2	-6.5	N/A	-9	-8	-5.3	-6.9	-3.2
2015	2	N/A	N/A	N/A	-9.7	-9.5	-10.1	N/A	-12.9	-11.9	-7.8	-11.2	-7.1
2015	3	N/A	N/A	N/A	-4.8	-4.5	-4.4	N/A	-6.5	-6.1	-5.3	-7.1	-2.3
2015	4	N/A	N/A	N/A	3.5	2.2	2.8	N/A	1.4	1.6	-0.1	1.5	4.1
2015	5	N/A	N/A	N/A	12.9	11.6	12.4	N/A	10.8	9.4	9.7	N/A	10.4
2015	6	N/A	N/A	N/A	14.7	13.5	14	N/A	13	12.1	11.6	N/A	12.8
2015	7	N/A	N/A	N/A	19.9	18.7	18.8	N/A	17.8	17	16.2	17.8	17.4
2015	8	N/A	N/A	N/A	22	20.9	21.3	N/A	20.6	19	20.4	20.4	19.5
2015	9	N/A	N/A	N/A	17.6	17.6	17	N/A	16	15.3	16.8	15.1	17
2015	10	N/A	N/A	N/A	8.6	9	8.2	N/A	7.6	7.5	8.4	7.7	9.6
2015	11	N/A	N/A	N/A	5.6	4.9	5	N/A	4.3	4.3	4.3	4.6	6.6
2015	12	N/A	N/A	N/A	2.7	1.7	2.1	N/A	1	1.1	1	1.2	4.4

b) Monthly EC non-homogenized raw data

Year	Month	Baddeck (8200300)	Baddeck Bell (8200301)	Northeast Margaree (8204150)	Northeast Margaree (8204151)	Margaree Forks (8203422)	Margaree Forks (8203423)	Frizzleton (8201900)	Cheticamp (8200824)	Cheticamp (8200825)	Cheticamp CS (8200827)	Ingonish Beach (8202500)	Ingonish Beach RCS (8202502)	St Paul Island (8204900)	Port Hood (8204500)	Port Hastings (8204480)
1900	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-3.8
1900	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-3
1900	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-0.7
1900	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2.8
1900	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	7
1900	6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	15.6
1900	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18.2
1900	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	17.6
1900	9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	14.3
1900	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	11.5
1900	11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4.6
1900	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-2.7
1901	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-7.2
1901	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-6.1
1901	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-5
1901	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4.3
1901	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	10.3
1901	6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	15.5
1901	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	20
1901	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	21
1901	9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	16.9
1901	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	9.8
1901	11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4.3
1901	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.3
1902	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-3.2
1902	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-1.3
1902	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2.4
1902	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	5.3
1902	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8.4
1902	6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	13.9
1902	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	17.4
1902	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	19.2
1902	9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	17.6
1902	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8.1
1902	11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3.6
1902	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-2.8
1903	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-6.5
1903	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-7.4
1903	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.3
1903	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2.8
1903	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	7.8
1903	6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	15.7
1903	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18.3
1903	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18.3
1903	9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	17.4
1903	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	7.3

Year	Month	Baddeck (8200300)	Baddeck Bell (8200301)	Northeast Margaree (8204150)	Northeast Margaree (8204151)	Margaree Forks (8203422)	Margaree Forks (8203423)	Frizzleton (8201900)	Cheticamp (8200824)	Cheticamp (8200825)	Cheticamp CS (8200827)	Ingonish Beach (8202500)	Ingonish Beach RCS (8202502)	St Paul Island (8204900)	Port Hood (8204500)	Port Hastings (8204480)
1903	11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2.3
1903	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-1.5
1904	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-10.6
1904	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-9.6
1904	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-6
1904	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2.1
1904	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	13.6
1904	6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	14.6
1904	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	20.8
1904	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18.4
1904	9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	12.7
1904	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	12.1
1904	11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2.3
1904	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-7.6
1905	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-6.3
1905	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-9.1
1905	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-2.9
1905	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3.4
1905	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	7.8
1905	6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	16.5
1905	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	19
1905	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	17.2
1905	9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	11.8
1905	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	10.7
1905	11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2.8
1905	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1.1
1906	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-2.4
1906	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-3.3
1906	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-2.2
1906	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2.4
1906	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8.4
1906	6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	14
1906	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	19.8
1906	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	19.8
1906	9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	14.4
1906	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	10.8
1906	11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4
1906	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-2.2
1907	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-6.1
1907	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-6.2
1907	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-3.8
1907	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2.2
1907	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	7.8
1907	6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	12.8
1907	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	16.5
1907	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	17.3
1907	9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	15.9
1907	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	10.2

Year	Month	Baddeck (8200300)	Baddeck Bell (8200301)	Northeast Margaree (8204150)	Northeast Margaree (8204151)	Margaree Forks (8203422)	Margaree Forks (8203423)	Frizzleton (8201900)	Cheticamp (8200824)	Cheticamp (8200825)	Cheticamp CS (8200827)	Ingonish Beach (8202500)	Ingonish Beach RCS (8202502)	St Paul Island (8204900)	Port Hood (8204500)	Port Hastings (8204480)
1907	11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6.2
1907	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-0.5
1908	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-3.3
1908	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1908	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-2.1
1908	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2.5
1908	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6.4
1908	6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	14.4
1908	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1908	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1908	9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	13
1908	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6.5
1908	11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2.9
1908	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-3.5
1909	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-6.8
1909	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-4.9
1909	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2.3
1909	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2.6
1909	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1909	6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1909	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1909	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	17.5
1909	9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	14.4
1909	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6.5
1909	11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3
1909	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-0.8
1910	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-6
1910	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-4.8
1910	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-0.2
1910	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6.1
1910	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8.6
1910	6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	14.3
1910	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	17.6
1910	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18.1
1910	9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	14.5
1910	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	10.6
1910	11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1910	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2
1911	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-4.8
1911	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-5.5
1911	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-1.7
1911	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.8
1911	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	12.2
1911	6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	16.5
1911	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18.8
1911	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	16.6
1911	9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	9.6
1911	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.1

Year	Month	Baddeck (8200300)	Baddeck Bell (8200301)	Northeast Margaree (8204150)	Northeast Margaree (8204151)	Margaree Forks (8203422)	Margaree Forks (8203423)	Frizzleton (8201900)	Cheticamp (8200824)	Cheticamp (8200825)	Cheticamp CS (8200827)	Ingonish Beach (8202500)	Ingonish Beach RCS (8202502)	St Paul Island (8204900)	Port Hood (8204500)	Port Hastings (8204480)
1911	11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-2.2
1911	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-2
1912	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-9.3
1912	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-3.5
1912	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-0.3
1912	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2.2
1912	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8.7
1912	6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	14.2
1912	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	19.8
1912	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	16.5
1912	9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	13.9
1912	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	5.8
1912	11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.7
1912	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-5.1
1913	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-5.1
1913	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-9.5
1913	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-3.8
1913	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3.1
1913	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6.4
1913	6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	11.9
1913	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1913	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1913	9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1913	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1913	11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1913	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1914	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1914	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1914	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1914	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1914	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1914	6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1914	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1914	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1914	9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1914	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1914	11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1914	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1915	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1915	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1915	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1915	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1915	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1915	6	11.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1915	7	17.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1915	8	17.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1915	9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1915	10	11.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Year	Month	Baddeck (8200300)	Baddeck Bell (8200301)	Northeast Margaree (8204150)	Northeast Margaree (8204151)	Margaree Forks (8203422)	Margaree Forks (8203423)	Frizzleton (8201900)	Cheticamp (8200824)	Cheticamp (8200825)	Cheticamp CS (8200827)	Ingonish Beach (8202500)	Ingonish Beach RCS (8202502)	St Paul Island (8204900)	Port Hood (8204500)	Port Hastings (8204480)
1915	11	6.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1915	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1916	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1916	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1916	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1916	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1916	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1916	6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1916	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1916	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1916	9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1916	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1916	11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1916	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1917	1	N/A	N/A	N/A	N/A	N/A	N/A	-7.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1917	2	N/A	N/A	N/A	N/A	N/A	N/A	-8.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1917	3	N/A	N/A	N/A	N/A	N/A	N/A	-4.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1917	4	N/A	N/A	N/A	N/A	N/A	N/A	4.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1917	5	N/A	N/A	N/A	N/A	N/A	N/A	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1917	6	N/A	N/A	N/A	N/A	N/A	N/A	14.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1917	7	N/A	N/A	N/A	N/A	N/A	N/A	17.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1917	8	N/A	N/A	N/A	N/A	N/A	N/A	18.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1917	9	N/A	N/A	N/A	N/A	N/A	N/A	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1917	10	N/A	N/A	N/A	N/A	N/A	N/A	7.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1917	11	N/A	N/A	N/A	N/A	N/A	N/A	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1917	12	N/A	N/A	N/A	N/A	N/A	N/A	-4.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1918	1	N/A	N/A	N/A	N/A	N/A	N/A	-9.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1918	2	N/A	N/A	N/A	N/A	N/A	N/A	-11.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1918	3	N/A	N/A	N/A	N/A	N/A	N/A	-9.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1918	4	N/A	N/A	N/A	N/A	N/A	N/A	0.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1918	5	N/A	N/A	N/A	N/A	N/A	N/A	8.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1918	6	N/A	N/A	N/A	N/A	N/A	N/A	11.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1918	7	N/A	N/A	N/A	N/A	N/A	N/A	16.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1918	8	N/A	N/A	N/A	N/A	N/A	N/A	13.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1918	9	N/A	N/A	N/A	N/A	N/A	N/A	13.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1918	10	N/A	N/A	N/A	N/A	N/A	N/A	7.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1918	11	N/A	N/A	N/A	N/A	N/A	N/A	1.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1918	12	N/A	N/A	N/A	N/A	N/A	N/A	-2.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1919	1	N/A	N/A	N/A	N/A	N/A	N/A	-4.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1919	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1919	3	N/A	N/A	N/A	N/A	N/A	N/A	-2.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1919	4	N/A	N/A	N/A	N/A	N/A	N/A	3.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1919	5	N/A	N/A	N/A	N/A	N/A	N/A	7.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1919	6	N/A	N/A	N/A	N/A	N/A	N/A	12.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1919	7	N/A	N/A	N/A	N/A	N/A	N/A	15.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1919	8	N/A	N/A	N/A	N/A	N/A	N/A	15.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1919	9	N/A	N/A	N/A	N/A	N/A	N/A	11.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1919	10	N/A	N/A	N/A	N/A	N/A	N/A	4.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Year	Month	Baddeck (8200300)	Baddeck Bell (8200301)	Northeast Margaree (8204150)	Northeast Margaree (8204151)	Margaree Forks (8203422)	Margaree Forks (8203423)	Frizzleton (8201900)	Cheticamp (8200824)	Cheticamp (8200825)	Cheticamp CS (8200827)	Ingonish Beach (8202500)	Ingonish Beach RCS (8202502)	St Paul Island (8204900)	Port Hood (8204500)	Port Hastings (8204480)
1919	11	N/A	N/A	N/A	N/A	N/A	N/A	2.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1919	12	N/A	N/A	N/A	N/A	N/A	N/A	-6.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1920	1	N/A	N/A	N/A	N/A	N/A	N/A	-13.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1920	2	N/A	N/A	N/A	N/A	N/A	N/A	-5.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1920	3	N/A	N/A	N/A	N/A	N/A	N/A	-2.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1920	4	N/A	N/A	N/A	N/A	N/A	N/A	1.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1920	5	N/A	N/A	N/A	N/A	N/A	N/A	7.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1920	6	N/A	N/A	N/A	N/A	N/A	N/A	12.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1920	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1920	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1920	9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1920	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1920	11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1920	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1921	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1921	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1921	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1921	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1921	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1921	6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1921	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1921	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1921	9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1921	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1921	11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1921	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1922	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1922	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1922	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1922	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1922	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1922	6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1922	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1922	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1922	9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1922	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1922	11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1922	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1923	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1923	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1923	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1923	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1923	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1923	6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1923	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1923	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1923	9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1923	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Year	Month	Baddeck (8200300)	Baddeck Bell (8200301)	Northeast Margaree (8204150)	Northeast Margaree (8204151)	Margaree Forks (8203422)	Margaree Forks (8203423)	Frizzleton (8201900)	Cheticamp (8200824)	Cheticamp (8200825)	Cheticamp CS (8200827)	Ingonish Beach (8202500)	Ingonish Beach RCS (8202502)	St Paul Island (8204900)	Port Hood (8204500)	Port Hastings (8204480)
1923	11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1923	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1924	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1924	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1924	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1924	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1924	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1924	6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1924	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1924	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1924	9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1924	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1924	11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1924	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1925	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1925	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1925	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1925	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1925	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1925	6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1925	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1925	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1925	9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1925	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1925	11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1925	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1926	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1926	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1926	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1926	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1926	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1926	6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1926	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1926	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1926	9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1926	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1926	11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1926	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1927	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1927	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1927	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1927	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1927	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1927	6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1927	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1927	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1927	9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1927	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Year	Month	Baddeck (8200300)	Baddeck Bell (8200301)	Northeast Margaree (8204150)	Northeast Margaree (8204151)	Margaree Forks (8203422)	Margaree Forks (8203423)	Frizzleton (8201900)	Cheticamp (8200824)	Cheticamp (8200825)	Cheticamp CS (8200827)	Ingonish Beach (8202500)	Ingonish Beach RCS (8202502)	St Paul Island (8204900)	Port Hood (8204500)	Port Hastings (8204480)
1927	11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1927	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1928	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1928	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1928	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1928	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1928	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1928	6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1928	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1928	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1928	9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1928	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1928	11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1928	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1929	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-5.7	N/A	N/A
1929	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-6.5	N/A	N/A
1929	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-4.6	N/A	N/A
1929	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-1.9	N/A	N/A
1929	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4.1	N/A	N/A
1929	6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	9.5	N/A	N/A
1929	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	15.4	N/A	N/A
1929	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	16.2	N/A	N/A
1929	9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	14.1	N/A	N/A
1929	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8.7	N/A	N/A
1929	11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1.3	N/A	N/A
1929	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-5	N/A	N/A
1930	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-7.4	N/A	N/A
1930	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-8.7	N/A	N/A
1930	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-3.5	N/A	N/A
1930	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-0.7	N/A	N/A
1930	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3.7	N/A	N/A
1930	6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	12.1	N/A	N/A
1930	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	16	N/A	N/A
1930	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	15.6	N/A	N/A
1930	9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	12.8	N/A	N/A
1930	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	7.7	N/A	N/A
1930	11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3.7	N/A	N/A
1930	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-2.1	N/A	N/A
1931	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-4.9	N/A	N/A
1931	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-5.8	N/A	N/A
1931	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-1.8	N/A	N/A
1931	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1.2	N/A	N/A
1931	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4	N/A	N/A
1931	6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8.4	N/A	N/A
1931	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	16.1	N/A	N/A
1931	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	15.4	N/A	N/A
1931	9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	12.3	N/A	N/A
1931	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	7.5	N/A	N/A

Year	Month	Baddeck (8200300)	Baddeck Bell (8200301)	Northeast Margaree (8204150)	Northeast Margaree (8204151)	Margaree Forks (8203422)	Margaree Forks (8203423)	Frizzleton (8201900)	Cheticamp (8200824)	Cheticamp (8200825)	Cheticamp CS (8200827)	Ingonish Beach (8202500)	Ingonish Beach RCS (8202502)	St Paul Island (8204900)	Port Hood (8204500)	Port Hastings (8204480)
1931	11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4.4	N/A	N/A
1931	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-2.9	N/A	N/A
1932	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-4.8	N/A	N/A
1932	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-10	N/A	N/A
1932	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-4.6	N/A	N/A
1932	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-0.2	N/A	N/A
1932	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3.7	N/A	N/A
1932	6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	7.7	N/A	N/A
1932	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	13.1	N/A	N/A
1932	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	17.2	N/A	N/A
1932	9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	12.9	N/A	N/A
1932	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	9.6	N/A	N/A
1932	11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3.1	N/A	N/A
1932	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-1.4	N/A	N/A
1933	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-3.6	N/A	N/A
1933	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-4.1	N/A	N/A
1933	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-4.2	N/A	N/A
1933	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.3	N/A	N/A
1933	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4.3	N/A	N/A
1933	6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8.9	N/A	N/A
1933	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	14.7	N/A	N/A
1933	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	16.4	N/A	N/A
1933	9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	12.7	N/A	N/A
1933	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	9.1	N/A	N/A
1933	11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-0.5	N/A	N/A
1933	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-7.3	N/A	N/A
1934	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-11	N/A	N/A
1934	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-11.2	N/A	N/A
1934	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-6.2	N/A	N/A
1934	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-0.5	N/A	N/A
1934	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4.8	N/A	N/A
1934	6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8.2	N/A	N/A
1934	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	13.9	N/A	N/A
1934	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	15.5	N/A	N/A
1934	9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	15.7	N/A	N/A
1934	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8.1	N/A	N/A
1934	11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4.4	N/A	N/A
1934	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-3.7	N/A	N/A
1935	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-6.4	N/A	N/A
1935	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-9.6	N/A	N/A
1935	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-6.9	N/A	N/A
1935	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-0.7	N/A	N/A
1935	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6	N/A	N/A	N/A	N/A	3.5	N/A	N/A
1935	6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	14.8	N/A	N/A	N/A	N/A	9.4	N/A	N/A
1935	7	17.7	N/A	N/A	N/A	N/A	N/A	N/A	18	N/A	N/A	N/A	N/A	15.8	N/A	N/A
1935	8	18.5	N/A	N/A	N/A	N/A	N/A	N/A	18.7	N/A	N/A	N/A	N/A	17.4	N/A	N/A
1935	9	12.8	N/A	N/A	N/A	N/A	N/A	N/A	12.9	N/A	N/A	N/A	N/A	11.8	N/A	N/A
1935	10	8.1	N/A	N/A	N/A	N/A	N/A	N/A	9.3	N/A	N/A	N/A	N/A	7.8	N/A	N/A

Year	Month	Baddeck (8200300)	Baddeck Bell (8200301)	Northeast Margaree (8204150)	Northeast Margaree (8204151)	Margaree Forks (8203422)	Margaree Forks (8203423)	Frizzleton (8201900)	Cheticamp (8200824)	Cheticamp (8200825)	Cheticamp CS (8200827)	Ingonish Beach (8202500)	Ingonish Beach RCS (8202502)	St Paul Island (8204900)	Port Hood (8204500)	Port Hastings (8204480)
1935	11	5.5	N/A	N/A	N/A	N/A	N/A	N/A	5.7	N/A	N/A	N/A	N/A	3.9	N/A	N/A
1935	12	-1.8	N/A	N/A	N/A	N/A	N/A	N/A	-1	N/A	N/A	N/A	N/A	-1.1	N/A	N/A
1936	1	-3.3	N/A	N/A	N/A	N/A	N/A	N/A	-2.3	N/A	N/A	N/A	N/A	-2.4	N/A	N/A
1936	2	-8.3	N/A	N/A	N/A	N/A	N/A	N/A	-8.3	N/A	N/A	N/A	N/A	-7.2	N/A	N/A
1936	3	1.2	N/A	N/A	N/A	N/A	N/A	N/A	3	N/A	N/A	N/A	N/A	-1.4	N/A	N/A
1936	4	3.1	N/A	N/A	N/A	N/A	N/A	N/A	2.6	N/A	N/A	N/A	N/A	0.9	N/A	N/A
1936	5	7.6	N/A	N/A	N/A	N/A	N/A	N/A	7.8	N/A	N/A	N/A	N/A	3.4	N/A	N/A
1936	6	14.5	N/A	N/A	N/A	N/A	N/A	N/A	15.2	N/A	N/A	N/A	N/A	9.8	N/A	N/A
1936	7	16.5	N/A	N/A	N/A	N/A	N/A	N/A	16.7	N/A	N/A	N/A	N/A	13.7	N/A	N/A
1936	8	17	N/A	N/A	N/A	N/A	N/A	N/A	16.1	N/A	N/A	N/A	N/A	16.1	N/A	N/A
1936	9	13	N/A	N/A	N/A	N/A	N/A	N/A	13.4	N/A	N/A	N/A	N/A	12.6	N/A	N/A
1936	10	8.4	N/A	N/A	N/A	N/A	N/A	N/A	9.9	N/A	N/A	N/A	N/A	7.6	N/A	N/A
1936	11	2.9	N/A	N/A	N/A	N/A	N/A	N/A	3.4	N/A	N/A	N/A	N/A	1.9	N/A	N/A
1936	12	-1.4	N/A	N/A	N/A	N/A	N/A	N/A	-0.8	N/A	N/A	N/A	N/A	-2.3	N/A	N/A
1937	1	-4.3	N/A	N/A	N/A	N/A	N/A	N/A	-4.9	N/A	N/A	N/A	N/A	-6.2	N/A	N/A
1937	2	-4.1	N/A	N/A	N/A	N/A	N/A	N/A	-4.3	N/A	N/A	N/A	N/A	-4.2	N/A	N/A
1937	3	-3.2	N/A	N/A	N/A	N/A	N/A	N/A	-3.3	N/A	N/A	N/A	N/A	-4.1	N/A	N/A
1937	4	2.4	N/A	N/A	N/A	N/A	N/A	N/A	1.7	N/A	N/A	N/A	N/A	0.6	N/A	N/A
1937	5	9.7	N/A	N/A	N/A	N/A	N/A	N/A	9.6	N/A	N/A	N/A	N/A	5.7	N/A	N/A
1937	6	14.9	N/A	N/A	N/A	N/A	N/A	N/A	14.8	N/A	N/A	N/A	N/A	11.3	N/A	N/A
1937	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18.7	N/A	N/A	N/A	N/A	17.5	N/A	N/A
1937	8	20.7	N/A	N/A	N/A	N/A	N/A	N/A	20	N/A	N/A	N/A	N/A	19.6	N/A	N/A
1937	9	15.1	N/A	N/A	N/A	N/A	N/A	N/A	15	N/A	N/A	N/A	N/A	15	N/A	N/A
1937	10	8.7	N/A	N/A	N/A	N/A	N/A	N/A	9.4	N/A	N/A	N/A	N/A	8.9	N/A	N/A
1937	11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4.1	N/A	N/A	N/A	N/A	3.6	N/A	N/A
1937	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-0.7	N/A	N/A	N/A	N/A	-1.2	N/A	N/A
1938	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-5.3	N/A	N/A	N/A	N/A	-4.5	N/A	N/A
1938	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-9.4	N/A	N/A	N/A	N/A	-8.6	N/A	N/A
1938	3	-5.2	N/A	N/A	N/A	N/A	N/A	N/A	-5.5	N/A	N/A	N/A	N/A	-5.7	N/A	N/A
1938	4	2.4	N/A	N/A	N/A	N/A	N/A	N/A	4	N/A	N/A	N/A	N/A	0.5	N/A	N/A
1938	5	7.1	N/A	N/A	N/A	N/A	N/A	N/A	7.1	N/A	N/A	N/A	N/A	4.5	N/A	N/A
1938	6	15.8	N/A	N/A	N/A	N/A	N/A	N/A	16	N/A	N/A	N/A	N/A	12.4	N/A	N/A
1938	7	18.3	N/A	N/A	N/A	N/A	N/A	N/A	19.2	N/A	N/A	N/A	N/A	16.4	N/A	N/A
1938	8	19	N/A	N/A	N/A	N/A	N/A	N/A	19.3	N/A	N/A	N/A	N/A	18.2	N/A	N/A
1938	9	14.4	N/A	N/A	N/A	N/A	N/A	N/A	14.6	N/A	N/A	N/A	N/A	14.1	N/A	N/A
1938	10	9.6	N/A	N/A	N/A	N/A	N/A	N/A	9.7	N/A	N/A	N/A	N/A	9.9	N/A	N/A
1938	11	4.6	N/A	N/A	N/A	N/A	N/A	N/A	4.2	N/A	N/A	N/A	N/A	3.8	N/A	N/A
1938	12	-1.4	N/A	N/A	N/A	N/A	N/A	N/A	-0.1	N/A	N/A	N/A	N/A	-1.2	N/A	N/A
1939	1	-5.5	N/A	N/A	N/A	N/A	N/A	N/A	-5.3	N/A	N/A	N/A	N/A	-4.7	N/A	N/A
1939	2	-8.2	N/A	N/A	N/A	N/A	N/A	N/A	-6.9	N/A	N/A	N/A	N/A	-8.1	N/A	N/A
1939	3	-6.8	N/A	N/A	N/A	N/A	N/A	N/A	-5.8	N/A	N/A	N/A	N/A	-7.1	N/A	N/A
1939	4	1.5	N/A	N/A	N/A	N/A	N/A	N/A	1.7	N/A	N/A	N/A	N/A	-0.7	N/A	N/A
1939	5	5.9	N/A	N/A	N/A	N/A	N/A	N/A	6.2	N/A	N/A	N/A	N/A	3	N/A	N/A
1939	6	11.4	N/A	N/A	N/A	N/A	N/A	N/A	12.2	N/A	N/A	N/A	N/A	8.1	N/A	N/A
1939	7	17.9	N/A	N/A	N/A	N/A	N/A	N/A	18.2	N/A	N/A	N/A	N/A	14.7	N/A	N/A
1939	8	18.7	N/A	N/A	N/A	N/A	N/A	N/A	18.3	N/A	N/A	N/A	N/A	17.4	N/A	N/A
1939	9	14.1	N/A	N/A	N/A	N/A	N/A	N/A	13.2	N/A	N/A	N/A	N/A	13.3	N/A	N/A
1939	10	8.6	N/A	N/A	N/A	N/A	N/A	N/A	8.9	N/A	N/A	N/A	N/A	7.9	N/A	N/A

Year	Month	Baddeck (8200300)	Baddeck Bell (8200301)	Northeast Margaree (8204150)	Northeast Margaree (8204151)	Margaree Forks (8203422)	Margaree Forks (8203423)	Frizzleton (8201900)	Cheticamp (8200824)	Cheticamp (8200825)	Cheticamp CS (8200827)	Ingonish Beach (8202500)	Ingonish Beach RCS (8202502)	St Paul Island (8204900)	Port Hood (8204500)	Port Hastings (8204480)
1939	11	2.2	N/A	N/A	N/A	N/A	N/A	N/A	1.8	N/A	N/A	N/A	N/A	1.3	N/A	N/A
1939	12	-1.2	N/A	N/A	N/A	N/A	N/A	N/A	-0.8	N/A	N/A	N/A	N/A	-1.4	N/A	N/A
1940	1	-7.6	N/A	N/A	N/A	N/A	N/A	N/A	-6.1	N/A	N/A	N/A	N/A	-5.8	N/A	N/A
1940	2	-6.6	N/A	N/A	N/A	N/A	N/A	N/A	-6.4	N/A	N/A	N/A	N/A	-6.7	N/A	N/A
1940	3	-1.5	N/A	N/A	N/A	N/A	N/A	N/A	-1.4	N/A	N/A	N/A	N/A	-3	N/A	N/A
1940	4	1.7	N/A	N/A	N/A	N/A	N/A	N/A	1	N/A	N/A	N/A	N/A	-1	N/A	N/A
1940	5	8	N/A	N/A	N/A	N/A	N/A	N/A	8.3	N/A	N/A	N/A	N/A	4.8	N/A	N/A
1940	6	12.4	N/A	N/A	N/A	N/A	N/A	N/A	13.9	N/A	N/A	N/A	N/A	9.6	N/A	N/A
1940	7	16.9	N/A	N/A	N/A	N/A	N/A	N/A	18.3	N/A	N/A	N/A	N/A	15.8	N/A	N/A
1940	8	16.9	N/A	N/A	N/A	N/A	N/A	N/A	17.5	N/A	N/A	N/A	N/A	16.4	N/A	N/A
1940	9	14.4	N/A	N/A	N/A	N/A	N/A	N/A	14.9	N/A	N/A	N/A	N/A	13.6	N/A	N/A
1940	10	6	N/A	N/A	N/A	N/A	N/A	N/A	7.7	N/A	N/A	N/A	N/A	7	N/A	N/A
1940	11	2.8	N/A	N/A	N/A	N/A	N/A	N/A	4.3	N/A	N/A	N/A	N/A	2.9	N/A	N/A
1940	12	-3.4	N/A	N/A	N/A	N/A	N/A	N/A	-2.8	N/A	N/A	N/A	N/A	-3.5	N/A	N/A
1941	1	-7.2	N/A	N/A	N/A	N/A	N/A	N/A	-6.1	N/A	N/A	N/A	N/A	-6	N/A	N/A
1941	2	-5.6	N/A	N/A	N/A	N/A	N/A	N/A	-5.4	N/A	N/A	N/A	N/A	-6.5	N/A	N/A
1941	3	-4.7	N/A	N/A	N/A	N/A	N/A	N/A	-5.1	N/A	N/A	N/A	N/A	-6	N/A	N/A
1941	4	1.8	N/A	N/A	N/A	N/A	N/A	N/A	1.2	N/A	N/A	N/A	N/A	-0.3	N/A	N/A
1941	5	6.7	N/A	N/A	N/A	N/A	N/A	N/A	7.7	N/A	N/A	N/A	N/A	4	N/A	N/A
1941	6	11.9	N/A	N/A	N/A	N/A	N/A	N/A	11.9	N/A	N/A	N/A	N/A	8.7	N/A	N/A
1941	7	17.4	N/A	N/A	N/A	N/A	N/A	N/A	18.6	N/A	N/A	N/A	N/A	15.5	N/A	N/A
1941	8	15.3	N/A	N/A	N/A	N/A	N/A	N/A	15.1	N/A	N/A	N/A	N/A	13.6	N/A	N/A
1941	9	10.9	N/A	N/A	N/A	N/A	N/A	N/A	12.1	N/A	N/A	N/A	N/A	10.1	N/A	N/A
1941	10	6.6	N/A	N/A	N/A	N/A	N/A	N/A	7.4	N/A	N/A	N/A	N/A	6	N/A	N/A
1941	11	2.7	N/A	N/A	N/A	N/A	N/A	N/A	3.9	N/A	N/A	N/A	N/A	2.5	N/A	N/A
1941	12	-1.3	N/A	N/A	N/A	N/A	N/A	N/A	-0.7	N/A	N/A	N/A	N/A	-0.8	N/A	N/A
1942	1	-5.5	N/A	N/A	N/A	N/A	N/A	N/A	-6.7	N/A	N/A	N/A	N/A	-5.8	N/A	N/A
1942	2	-6.6	N/A	N/A	N/A	N/A	N/A	N/A	-6.9	N/A	N/A	N/A	N/A	-6	N/A	N/A
1942	3	-1.5	N/A	N/A	N/A	N/A	N/A	N/A	-1	N/A	N/A	N/A	N/A	-1.6	N/A	N/A
1942	4	2.6	N/A	N/A	N/A	N/A	N/A	N/A	2.7	N/A	N/A	N/A	N/A	1.6	N/A	N/A
1942	5	9.5	N/A	N/A	N/A	N/A	N/A	N/A	9.5	N/A	N/A	N/A	N/A	6.7	N/A	N/A
1942	6	13.4	N/A	N/A	N/A	N/A	N/A	N/A	14	N/A	N/A	N/A	N/A	10.2	N/A	N/A
1942	7	17.2	N/A	N/A	N/A	N/A	N/A	N/A	18.8	N/A	N/A	N/A	N/A	17.2	N/A	N/A
1942	8	17.8	N/A	N/A	N/A	N/A	N/A	N/A	18.4	N/A	N/A	N/A	N/A	18.1	N/A	N/A
1942	9	15.5	N/A	N/A	N/A	N/A	N/A	N/A	16.4	N/A	N/A	N/A	N/A	15.1	N/A	N/A
1942	10	8.7	N/A	N/A	N/A	N/A	N/A	N/A	11	N/A	N/A	N/A	N/A	10.2	N/A	N/A
1942	11	2.3	N/A	N/A	N/A	N/A	N/A	N/A	4.4	N/A	N/A	N/A	N/A	3.1	N/A	N/A
1942	12	-6	N/A	N/A	N/A	N/A	N/A	N/A	-4.2	N/A	N/A	N/A	N/A	-4.1	N/A	N/A
1943	1	-10.7	N/A	N/A	N/A	N/A	N/A	N/A	-10	N/A	N/A	N/A	N/A	-8.5	N/A	N/A
1943	2	-6.6	N/A	N/A	N/A	N/A	N/A	N/A	-4.6	N/A	N/A	N/A	N/A	-5.7	N/A	N/A
1943	3	-4.5	N/A	N/A	N/A	N/A	N/A	N/A	-2.8	N/A	N/A	N/A	N/A	-4.7	N/A	N/A
1943	4	0.9	N/A	N/A	N/A	N/A	N/A	N/A	1.9	N/A	N/A	N/A	N/A	0.3	N/A	N/A
1943	5	6.7	N/A	N/A	N/A	N/A	N/A	N/A	7	N/A	N/A	N/A	N/A	3.7	N/A	N/A
1943	6	10.3	N/A	N/A	N/A	N/A	N/A	N/A	10.5	N/A	N/A	N/A	N/A	7.8	N/A	N/A
1943	7	16.9	N/A	N/A	N/A	N/A	N/A	N/A	18.1	N/A	N/A	N/A	N/A	15	N/A	N/A
1943	8	16.1	N/A	N/A	N/A	N/A	N/A	N/A	17	N/A	N/A	N/A	N/A	16	N/A	N/A
1943	9	14.6	N/A	N/A	N/A	N/A	N/A	N/A	15.9	N/A	N/A	N/A	N/A	14.7	N/A	N/A
1943	10	9.2	N/A	N/A	N/A	N/A	N/A	N/A	11.5	N/A	N/A	N/A	N/A	10.2	N/A	N/A

Year	Month	Baddeck (8200300)	Baddeck Bell (8200301)	Northeast Margaree (8204150)	Northeast Margaree (8204151)	Margaree Forks (8203422)	Margaree Forks (8203423)	Frizzleton (8201900)	Cheticamp (8200824)	Cheticamp (8200825)	Cheticamp CS (8200827)	Ingonish Beach (8202500)	Ingonish Beach RCS (8202502)	St Paul Island (8204900)	Port Hood (8204500)	Port Hastings (8204480)
1943	11	4	N/A	N/A	N/A	N/A	N/A	N/A	5.1	N/A	N/A	N/A	N/A	4.3	N/A	N/A
1943	12	-5.1	N/A	N/A	N/A	N/A	N/A	N/A	-3.7	N/A	N/A	N/A	N/A	-3.2	N/A	N/A
1944	1	-5.4	N/A	N/A	N/A	N/A	N/A	N/A	-5.3	N/A	N/A	N/A	N/A	-4.1	N/A	N/A
1944	2	-9	N/A	N/A	N/A	N/A	N/A	N/A	-7	N/A	N/A	N/A	N/A	-7.4	N/A	N/A
1944	3	-5.1	N/A	N/A	N/A	N/A	N/A	N/A	-4.1	N/A	N/A	N/A	N/A	-4.9	N/A	N/A
1944	4	1.5	N/A	N/A	N/A	N/A	N/A	N/A	0.8	N/A	N/A	N/A	N/A	-0.2	N/A	N/A
1944	5	8.5	N/A	N/A	N/A	N/A	N/A	N/A	9.2	N/A	N/A	N/A	N/A	5.2	N/A	N/A
1944	6	13.1	N/A	N/A	N/A	N/A	N/A	N/A	14	N/A	N/A	N/A	N/A	10.4	N/A	N/A
1944	7	16.7	N/A	N/A	N/A	N/A	N/A	N/A	17.3	N/A	N/A	N/A	N/A	15	N/A	N/A
1944	8	18.3	N/A	N/A	N/A	N/A	N/A	N/A	19.2	N/A	N/A	N/A	N/A	18.1	N/A	N/A
1944	9	14.3	N/A	N/A	N/A	N/A	N/A	N/A	15.5	N/A	N/A	N/A	N/A	14.9	N/A	N/A
1944	10	8.5	N/A	N/A	N/A	N/A	N/A	N/A	9.1	N/A	N/A	N/A	N/A	8	N/A	N/A
1944	11	3.9	N/A	N/A	N/A	N/A	N/A	N/A	4.7	N/A	N/A	N/A	N/A	4.6	N/A	N/A
1944	12	-2.6	N/A	N/A	N/A	N/A	N/A	N/A	-2	N/A	N/A	N/A	N/A	-1.5	N/A	N/A
1945	1	-4.5	N/A	N/A	N/A	N/A	N/A	N/A	-2.7	N/A	N/A	N/A	N/A	-2.8	N/A	N/A
1945	2	-5.7	N/A	N/A	N/A	N/A	N/A	N/A	-5.5	N/A	N/A	N/A	N/A	-4.4	N/A	N/A
1945	3	-1.7	N/A	N/A	N/A	N/A	N/A	N/A	-1.8	N/A	N/A	N/A	N/A	-2.3	N/A	N/A
1945	4	4.5	N/A	N/A	N/A	N/A	N/A	N/A	3.7	N/A	N/A	N/A	N/A	1.5	N/A	N/A
1945	5	7.8	N/A	N/A	N/A	N/A	N/A	N/A	7.9	N/A	N/A	N/A	N/A	3.7	N/A	N/A
1945	6	11.6	N/A	N/A	N/A	N/A	N/A	N/A	12.6	N/A	N/A	N/A	N/A	8.8	N/A	N/A
1945	7	17.7	N/A	N/A	N/A	N/A	N/A	N/A	19.4	N/A	N/A	N/A	N/A	16.1	N/A	N/A
1945	8	18.8	N/A	N/A	N/A	N/A	N/A	N/A	20	N/A	N/A	N/A	N/A	18.3	N/A	N/A
1945	9	14.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	13.9	N/A	N/A
1945	10	7.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8.2	N/A	N/A
1945	11	2.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3	N/A	N/A
1945	12	-3.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-2	N/A	N/A
1946	1	-7.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-5.1	N/A	N/A
1946	2	-8.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-7.1	N/A	N/A
1946	3	-0.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-2.3	N/A	N/A
1946	4	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.1	N/A	N/A
1946	5	7.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	5	N/A	N/A
1946	6	12.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	10.2	N/A	N/A
1946	7	16.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	15.5	N/A	N/A
1946	8	16.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	17.3	N/A	N/A
1946	9	14.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	14.5	N/A	N/A
1946	10	8.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	9.6	N/A	N/A
1946	11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2.4	N/A	N/A
1946	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-2.3	N/A	N/A
1947	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-6.8	N/A	N/A
1947	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-4.2	N/A	N/A
1947	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-2.2	N/A	N/A
1947	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-1.2	N/A	N/A
1947	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4.1	N/A	N/A
1947	6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	9.1	N/A	N/A
1947	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	17.9	N/A	N/A
1947	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	17.9	N/A	N/A
1947	9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	13.7	N/A	N/A
1947	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8.7	N/A	N/A

Year	Month	Baddeck (8200300)	Baddeck Bell (8200301)	Northeast Margaree (8204150)	Northeast Margaree (8204151)	Margaree Forks (8203422)	Margaree Forks (8203423)	Frizzleton (8201900)	Cheticamp (8200824)	Cheticamp (8200825)	Cheticamp CS (8200827)	Ingonish Beach (8202500)	Ingonish Beach RCS (8202502)	St Paul Island (8204900)	Port Hood (8204500)	Port Hastings (8204480)
1947	11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3.5	N/A	N/A
1947	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-1.9	N/A	N/A
1948	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-3.8	N/A	N/A
1948	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-10	N/A	N/A
1948	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-6.8	N/A	N/A
1948	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-1.1	N/A	N/A
1948	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3.9	N/A	N/A
1948	6	N/A	N/A	N/A	N/A	N/A	N/A	10.9	N/A	N/A	N/A	N/A	N/A	8.9	N/A	N/A
1948	7	N/A	N/A	N/A	N/A	N/A	N/A	16.7	N/A	N/A	N/A	N/A	N/A	14.8	N/A	N/A
1948	8	17.5	N/A	N/A	N/A	N/A	N/A	16.7	N/A	N/A	N/A	N/A	N/A	16.7	N/A	N/A
1948	9	12.8	N/A	N/A	N/A	N/A	N/A	11.9	N/A	N/A	N/A	N/A	N/A	12.8	N/A	N/A
1948	10	8.9	N/A	N/A	N/A	N/A	N/A	6.9	N/A	N/A	N/A	N/A	N/A	8.9	N/A	N/A
1948	11	4.8	N/A	N/A	N/A	N/A	N/A	3.7	N/A	N/A	N/A	N/A	N/A	5.3	N/A	N/A
1948	12	-1.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.1	N/A	N/A
1949	1	-3.9	N/A	N/A	N/A	N/A	N/A	-3.8	N/A	N/A	N/A	N/A	N/A	-3.1	N/A	N/A
1949	2	-6.4	N/A	N/A	N/A	N/A	N/A	-7.3	N/A	N/A	N/A	N/A	N/A	-5.7	N/A	N/A
1949	3	-0.4	N/A	N/A	N/A	N/A	N/A	-1.3	N/A	N/A	N/A	N/A	N/A	-1.6	N/A	N/A
1949	4	N/A	N/A	N/A	N/A	N/A	N/A	3.6	N/A	N/A	N/A	N/A	N/A	1.2	N/A	N/A
1949	5	9.7	N/A	N/A	N/A	N/A	N/A	7	N/A	N/A	N/A	N/A	N/A	4.8	N/A	N/A
1949	6	13.8	N/A	N/A	N/A	N/A	N/A	13.2	N/A	N/A	N/A	N/A	N/A	10.8	N/A	N/A
1949	7	19.3	N/A	N/A	N/A	N/A	N/A	17	N/A	N/A	N/A	N/A	N/A	16.4	N/A	N/A
1949	8	18	N/A	N/A	N/A	N/A	N/A	16.1	N/A	N/A	N/A	N/A	N/A	16.3	N/A	N/A
1949	9	14.1	N/A	N/A	N/A	N/A	N/A	12.9	N/A	N/A	N/A	N/A	N/A	13.2	N/A	N/A
1949	10	9.5	N/A	N/A	N/A	N/A	N/A	7.3	N/A	N/A	N/A	N/A	N/A	9.2	N/A	N/A
1949	11	3.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3.1	N/A	N/A
1949	12	0.4	N/A	N/A	N/A	N/A	N/A	-1.1	N/A	N/A	N/A	N/A	N/A	0.3	N/A	N/A
1950	1	-5.7	N/A	N/A	N/A	N/A	N/A	-6.3	N/A	N/A	N/A	N/A	N/A	-5.6	N/A	N/A
1950	2	-9.1	N/A	N/A	N/A	N/A	N/A	-10.8	N/A	N/A	N/A	N/A	N/A	-9.7	N/A	N/A
1950	3	-5.5	N/A	N/A	N/A	N/A	N/A	-6.9	N/A	N/A	N/A	N/A	N/A	-6	N/A	N/A
1950	4	3.2	N/A	N/A	N/A	N/A	N/A	2.2	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A
1950	5	9.2	N/A	N/A	N/A	N/A	N/A	7.5	N/A	N/A	N/A	N/A	N/A	5.5	N/A	N/A
1950	6	12.8	N/A	N/A	N/A	N/A	N/A	12.6	N/A	N/A	N/A	N/A	N/A	10.9	N/A	N/A
1950	7	17.9	N/A	N/A	N/A	N/A	N/A	17	N/A	N/A	N/A	N/A	N/A	15	17.9	N/A
1950	8	17.6	N/A	N/A	N/A	N/A	N/A	15.3	N/A	N/A	N/A	N/A	N/A	16.1	17.5	N/A
1950	9	12.2	N/A	N/A	N/A	N/A	N/A	10.1	N/A	N/A	N/A	12.6	N/A	12.3	13	N/A
1950	10	8.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8.8	N/A	7.9	9.3	N/A
1950	11	6	N/A	N/A	N/A	N/A	N/A	4.9	N/A	N/A	N/A	6.7	N/A	4.9	7.1	N/A
1950	12	2.7	N/A	N/A	N/A	N/A	N/A	0.8	N/A	N/A	N/A	0.8	N/A	0.6	2.6	N/A
1951	1	-2.2	N/A	N/A	N/A	N/A	N/A	-3.1	N/A	N/A	N/A	-2.8	N/A	-2.9	-1.1	N/A
1951	2	-1.9	N/A	N/A	N/A	N/A	N/A	-2	N/A	N/A	N/A	-2.1	N/A	-2.8	-0.7	N/A
1951	3	0.2	N/A	N/A	N/A	N/A	N/A	0.3	N/A	N/A	N/A	0.2	N/A	-1.1	0.4	N/A
1951	4	5.6	N/A	N/A	N/A	N/A	N/A	5.9	N/A	N/A	N/A	5.1	N/A	3	6.2	N/A
1951	5	9	N/A	N/A	N/A	N/A	N/A	9	N/A	N/A	N/A	8.6	N/A	5	9	N/A
1951	6	13.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	13	N/A	10.5	12.9	N/A
1951	7	18.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	19.3	N/A	16.3	19	N/A
1951	8	18.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18.5	N/A	16.7	18.9	N/A
1951	9	15.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	15.4	N/A	14.5	15.7	N/A
1951	10	9.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	9.1	N/A	8.3	9.7	N/A

Year	Month	Baddeck (8200300)	Baddeck Bell (8200301)	Northeast Margaree (8204150)	Northeast Margaree (8204151)	Margaree Forks (8203422)	Margaree Forks (8203423)	Frizzleton (8201900)	Cheticamp (8200824)	Cheticamp (8200825)	Cheticamp CS (8200827)	Ingonish Beach (8202500)	Ingonish Beach RCS (8202502)	St Paul Island (8204900)	Port Hood (8204500)	Port Hastings (8204480)
1951	11	5.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4.9	N/A	4.2	5.5	N/A
1951	12	-2.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-1.9	N/A	-2.1	-1.3	N/A
1952	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-3.9	N/A	-4.2	-3.8	N/A
1952	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-3.5	N/A	-3.6	-3.4	N/A
1952	3	-0.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-1.2	N/A	-2	-1.9	N/A
1952	4	5.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2.9	N/A	0.7	3.1	N/A
1952	5	8.9	N/A	N/A	N/A	N/A	N/A	7	N/A	N/A	N/A	6.6	N/A	4.8	6.8	N/A
1952	6	N/A	N/A	N/A	N/A	N/A	N/A	13.2	N/A	N/A	N/A	13.6	N/A	10.2	13.7	N/A
1952	7	20.8	N/A	N/A	N/A	N/A	N/A	18.3	N/A	N/A	N/A	19.8	N/A	16.2	19.5	N/A
1952	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	19.5	N/A	18	19.7	N/A
1952	9	16.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	15.2	N/A	13.7	14.9	N/A
1952	10	10.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	9	N/A	7.9	9.7	N/A
1952	11	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3.7	N/A	3.2	4.2	N/A
1952	12	0.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-1.1	N/A	-1.1	N/A	N/A
1953	1	-1.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-2.5	N/A	-2.5	N/A	N/A
1953	2	-1.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-2.7	N/A	-3.3	N/A	N/A
1953	3	-0.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-1.3	N/A	-2.8	N/A	N/A
1953	4	5.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	5.1	N/A	3.2	N/A	N/A
1953	5	8.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6.7	N/A	4.5	N/A	N/A
1953	6	14	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	13.5	N/A	11	N/A	N/A
1953	7	19.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	19.3	N/A	16.2	N/A	N/A
1953	8	18.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	17.4	N/A	16.1	N/A	N/A
1953	9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	14.8	N/A	13.8	N/A	N/A
1953	10	9.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	9.1	N/A	8.6	N/A	N/A
1953	11	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	5.9	N/A	5.2	N/A	N/A
1953	12	2.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.5	N/A	0.8	N/A	N/A
1954	1	-2.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-4.3	N/A	-4.2	N/A	N/A
1954	2	-0.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-1.9	N/A	-2.2	N/A	N/A
1954	3	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-1.8	N/A	-2.2	N/A	N/A
1954	4	2.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1.8	N/A	-0.2	N/A	N/A
1954	5	9.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8.3	N/A	5.5	N/A	N/A
1954	6	15.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	12.7	N/A	9.7	N/A	N/A
1954	7	18.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18	N/A	15.8	N/A	N/A
1954	8	18.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	16.8	N/A	15.7	N/A	N/A
1954	9	15.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	13.6	N/A	12.9	N/A	N/A
1954	10	10.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	9.4	N/A	8.4	N/A	N/A
1954	11	5.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4.5	N/A	3.9	N/A	N/A
1954	12	2.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1.2	N/A	0.8	N/A	N/A
1955	1	-1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-0.1	N/A	-1.1	N/A	N/A
1955	2	-2.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-3.2	N/A	-2.7	N/A	N/A
1955	3	-0.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-2.5	N/A	-2.6	N/A	N/A
1955	4	3.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2.2	N/A	1.1	N/A	N/A
1955	5	9.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	7.5	N/A	5.4	N/A	N/A
1955	6	14.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	13.1	N/A	10.2	N/A	N/A
1955	7	18	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18.9	N/A	15.9	N/A	N/A
1955	8	19	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18.6	N/A	16.6	N/A	N/A
1955	9	14.3	N/A	11.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	14	N/A	12.7	N/A	N/A
1955	10	N/A	N/A	6.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8.7	N/A	8	N/A	N/A

Year	Month	Baddeck (8200300)	Baddeck Bell (8200301)	Northeast Margaree (8204150)	Northeast Margaree (8204151)	Margaree Forks (8203422)	Margaree Forks (8203423)	Frizzleton (8201900)	Cheticamp (8200824)	Cheticamp (8200825)	Cheticamp CS (8200827)	Ingonish Beach (8202500)	Ingonish Beach RCS (8202502)	St Paul Island (8204900)	Port Hood (8204500)	Port Hastings (8204480)
1955	11	3.6	N/A	2.8	2.8	N/A	N/A	N/A	N/A	N/A	N/A	3.4	N/A	3.3	N/A	N/A
1955	12	-4.1	N/A	-5.5	-5.5	N/A	N/A	N/A	N/A	N/A	N/A	-3.6	N/A	-2.9	N/A	N/A
1956	1	1.2	N/A	-0.1	-0.1	N/A	N/A	N/A	N/A	N/A	N/A	0.3	N/A	-0.5	N/A	N/A
1956	2	-4.3	N/A	-6.9	-6.9	N/A	N/A	N/A	N/A	-4.8	N/A	-4	N/A	-3.9	N/A	N/A
1956	3	-3.8	N/A	-6.8	-6.8	N/A	N/A	N/A	N/A	-4.1	N/A	-5	N/A	-3.8	N/A	N/A
1956	4	2.8	N/A	1.7	1.7	N/A	N/A	N/A	N/A	4.2	N/A	2.7	N/A	0.8	N/A	N/A
1956	5	N/A	N/A	5	5	N/A	N/A	N/A	N/A	5.1	N/A	5.8	N/A	3.9	N/A	N/A
1956	6	14.3	N/A	13.4	N/A	N/A	N/A	N/A	N/A	13.4	N/A	13.2	N/A	9.6	N/A	N/A
1956	7	17.3	N/A	14.7	N/A	N/A	N/A	N/A	N/A	20.3	N/A	17.3	N/A	14.6	N/A	N/A
1956	8	17.3	N/A	14.7	N/A	N/A	N/A	N/A	N/A	18.1	N/A	17.2	N/A	N/A	N/A	N/A
1956	9	13.6	N/A	10.5	N/A	N/A	N/A	N/A	N/A	13.7	N/A	13.6	N/A	N/A	N/A	N/A
1956	10	N/A	N/A	6.5	N/A	N/A	N/A	N/A	N/A	9.3	N/A	9.3	N/A	N/A	N/A	N/A
1956	11	6.7	N/A	3.6	3.6	N/A	N/A	N/A	N/A	5.7	N/A	5.2	N/A	N/A	N/A	N/A
1956	12	0.4	N/A	-2.3	-2.3	N/A	N/A	N/A	N/A	1.1	N/A	-2.2	N/A	N/A	N/A	N/A
1957	1	-8	N/A	-10.5	-10.5	N/A	N/A	N/A	N/A	N/A	N/A	-9.1	N/A	N/A	N/A	N/A
1957	2	-5.2	N/A	-7.3	-7.3	N/A	N/A	N/A	N/A	-7.4	N/A	-6.6	N/A	N/A	N/A	N/A
1957	3	-0.4	N/A	-3.1	-3.1	N/A	N/A	N/A	N/A	-2	N/A	-1.3	N/A	N/A	N/A	N/A
1957	4	2.6	N/A	0.7	0.7	N/A	N/A	N/A	N/A	1.4	N/A	2.4	N/A	N/A	N/A	N/A
1957	5	9	N/A	5.7	5.7	N/A	N/A	N/A	N/A	8.4	N/A	7.2	N/A	N/A	N/A	N/A
1957	6	14.9	N/A	13.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	12.5	N/A	N/A	N/A	N/A
1957	7	18.5	N/A	16.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18.5	N/A	N/A	N/A	N/A
1957	8	N/A	N/A	14.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	17.7	N/A	N/A	N/A	N/A
1957	9	N/A	N/A	13.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	15.1	N/A	N/A	N/A	N/A
1957	10	10	N/A	7.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	9.7	N/A	N/A	N/A	N/A
1957	11	6.1	N/A	4.3	4.3	N/A	N/A	N/A	N/A	N/A	N/A	5.1	N/A	N/A	N/A	N/A
1957	12	3.1	N/A	1.7	1.7	N/A	N/A	N/A	N/A	N/A	N/A	1.8	N/A	N/A	N/A	N/A
1958	1	0.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-0.6	N/A	N/A	N/A	N/A
1958	2	-1.2	N/A	-3.4	-3.4	N/A	N/A	N/A	N/A	N/A	N/A	-0.9	N/A	N/A	N/A	N/A
1958	3	1.5	N/A	0.9	0.9	N/A	N/A	N/A	N/A	N/A	N/A	0.8	N/A	N/A	N/A	N/A
1958	4	5.8	N/A	3.4	3.4	N/A	N/A	N/A	N/A	N/A	N/A	4.8	N/A	N/A	N/A	N/A
1958	5	9.5	N/A	8.2	8.2	N/A	N/A	N/A	N/A	N/A	N/A	8.6	N/A	N/A	N/A	N/A
1958	6	N/A	N/A	11.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	12.2	N/A	N/A	N/A	N/A
1958	7	N/A	N/A	15.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	17.5	N/A	N/A	N/A	N/A
1958	8	N/A	N/A	16.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	19.4	N/A	N/A	N/A	N/A
1958	9	N/A	N/A	11.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	13.5	N/A	N/A	N/A	N/A
1958	10	N/A	N/A	6.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	N/A	N/A	N/A	N/A
1958	11	N/A	N/A	2.5	2.5	N/A	N/A	N/A	N/A	N/A	N/A	3.5	N/A	N/A	N/A	N/A
1958	12	N/A	N/A	-6.6	-6.6	N/A	N/A	N/A	N/A	N/A	N/A	-5.1	N/A	N/A	N/A	N/A
1959	1	-5.8	N/A	-7.4	-7.4	N/A	N/A	N/A	N/A	N/A	N/A	-5.9	N/A	N/A	N/A	N/A
1959	2	-9.8	N/A	-12.6	-12.6	N/A	N/A	N/A	N/A	N/A	N/A	-9.1	N/A	N/A	N/A	N/A
1959	3	-3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-3.1	N/A	N/A	N/A	N/A
1959	4	2.7	N/A	2.8	2.8	N/A	N/A	N/A	N/A	N/A	N/A	3.4	N/A	N/A	N/A	N/A
1959	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	N/A	N/A	N/A	N/A
1959	6	N/A	N/A	11.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	11.9	N/A	N/A	N/A	N/A
1959	7	N/A	N/A	18.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	19.8	N/A	N/A	N/A	19.3
1959	8	19.1	N/A	16.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	17.6	N/A	N/A	N/A	17.5
1959	9	15.3	N/A	13.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	14.7	N/A	N/A	N/A	15.2
1959	10	8.6	N/A	7.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8.4	N/A	N/A	N/A	9.5

Year	Month	Baddeck (8200300)	Baddeck Bell (8200301)	Northeast Margaree (8204150)	Northeast Margaree (8204151)	Margaree Forks (8203422)	Margaree Forks (8203423)	Frizzleton (8201900)	Cheticamp (8200824)	Cheticamp (8200825)	Cheticamp CS (8200827)	Ingonish Beach (8202500)	Ingonish Beach RCS (8202502)	St Paul Island (8204900)	Port Hood (8204500)	Port Hastings (8204480)
1959	11	5.2	N/A	4.6	4.6	N/A	N/A	N/A	N/A	N/A	N/A	5.4	N/A	N/A	N/A	6.4
1959	12	-0.5	N/A	-1	-1	N/A	N/A	N/A	N/A	N/A	N/A	-0.2	N/A	N/A	N/A	0.4
1960	1	-3.8	N/A	-4.3	-4.3	N/A	N/A	N/A	N/A	N/A	N/A	-3.5	N/A	N/A	N/A	-4.3
1960	2	-1.2	N/A	-1.4	-1.4	N/A	N/A	N/A	N/A	N/A	N/A	-0.8	N/A	N/A	N/A	-1.5
1960	3	-1.3	N/A	-2.2	-2.2	N/A	N/A	N/A	N/A	N/A	N/A	-2.1	N/A	N/A	N/A	-1.4
1960	4	3	N/A	2.1	2.1	N/A	N/A	N/A	N/A	N/A	N/A	2.7	N/A	N/A	N/A	2.7
1960	5	11.7	N/A	11.1	11.1	N/A	N/A	N/A	N/A	N/A	N/A	9.2	N/A	N/A	N/A	10.1
1960	6	14.4	N/A	13.9	N/A	N/A	N/A	N/A	N/A	15.2	N/A	14.9	N/A	N/A	N/A	15.5
1960	7	17.1	N/A	16.4	N/A	N/A	N/A	N/A	N/A	17.5	N/A	18.9	N/A	N/A	N/A	18.6
1960	8	N/A	N/A	16.9	N/A	N/A	N/A	N/A	N/A	17.6	N/A	18.9	N/A	N/A	N/A	19.2
1960	9	15.2	N/A	13.2	N/A	N/A	N/A	N/A	N/A	14.4	N/A	14.7	N/A	N/A	N/A	15.5
1960	10	8.7	N/A	6.7	N/A	6.9	N/A	N/A	N/A	7.7	N/A	7.6	N/A	N/A	N/A	9
1960	11	4.6	N/A	3.9	3.9	4.5	N/A	N/A	N/A	4.7	N/A	4.3	N/A	N/A	N/A	5
1960	12	-0.8	N/A	-1.9	-1.9	-1.6	N/A	N/A	N/A	-1.2	N/A	-1.6	N/A	N/A	N/A	-1.7
1961	1	-7.6	N/A	-9	-9	-8	N/A	N/A	N/A	-7.6	N/A	-7.7	N/A	N/A	N/A	-7.2
1961	2	-8.6	N/A	-10.6	-10.6	-9.6	N/A	N/A	N/A	-8.9	N/A	-8.7	N/A	N/A	N/A	-8.7
1961	3	-3.8	N/A	-5.2	-5.2	-5.7	N/A	N/A	N/A	-4.8	N/A	-3.9	N/A	N/A	-5.7	-5.3
1961	4	2.5	N/A	1.5	1.5	1.6	N/A	N/A	N/A	2.9	N/A	1.5	N/A	N/A	0.9	1
1961	5	8.2	N/A	8.6	8.6	8.6	N/A	N/A	N/A	8.7	N/A	7.6	N/A	N/A	7.7	8.2
1961	6	15	N/A	15.8	N/A	15.4	N/A	N/A	N/A	15.1	N/A	15.3	N/A	N/A	14.9	15.2
1961	7	17.3	N/A	16.4	N/A	17.3	N/A	N/A	N/A	17.5	N/A	17.7	N/A	N/A	18.4	17.1
1961	8	19.2	N/A	17.5	N/A	18.4	N/A	N/A	N/A	18.1	N/A	19	N/A	N/A	19.7	19
1961	9	16.2	N/A	15.6	N/A	16.2	N/A	N/A	N/A	16.4	N/A	16.8	N/A	N/A	17.4	16.8
1961	10	10.5	N/A	9.7	N/A	10.4	N/A	N/A	N/A	10.7	N/A	11.1	N/A	N/A	11.1	11.5
1961	11	6.1	N/A	6.2	6.2	6.3	N/A	N/A	N/A	6	N/A	6	N/A	N/A	7.3	6.8
1961	12	-0.1	N/A	-0.5	-0.5	0	N/A	N/A	N/A	-0.5	N/A	-0.2	N/A	N/A	1.4	0.6
1962	1	-5.4	N/A	N/A	N/A	-5.3	N/A	N/A	N/A	-4.7	N/A	-5.5	N/A	N/A	-5.6	-4.6
1962	2	-8.8	N/A	-10.7	-10.7	-10.7	N/A	N/A	N/A	-9.7	N/A	-8.5	N/A	N/A	-10.5	-9.7
1962	3	-0.8	N/A	-2.2	-2.2	-2.5	N/A	N/A	N/A	-2.3	N/A	-0.3	N/A	N/A	-3.4	-2.1
1962	4	3.4	N/A	3.7	3.7	3.2	N/A	N/A	N/A	2.9	N/A	3.4	N/A	N/A	1.5	3.1
1962	5	7.1	N/A	7.1	7.1	7	N/A	N/A	N/A	6.1	N/A	6.5	N/A	N/A	5.7	6.2
1962	6	12.8	N/A	12.7	N/A	13	N/A	N/A	N/A	12.6	N/A	12.4	N/A	N/A	12.4	12.3
1962	7	14.4	N/A	14.7	N/A	14.9	N/A	N/A	N/A	14.8	N/A	14.1	N/A	N/A	15.2	14.8
1962	8	17.4	N/A	16.6	N/A	17.4	N/A	N/A	N/A	17.3	N/A	17.7	N/A	N/A	18.5	17.4
1962	9	13.5	N/A	N/A	N/A	12.9	N/A	N/A	N/A	12.8	N/A	13.2	N/A	N/A	12.6	13.8
1962	10	9.5	N/A	7.7	N/A	8.7	N/A	N/A	N/A	8.8	N/A	9	N/A	N/A	7.8	9.3
1962	11	4.6	N/A	N/A	N/A	4.8	N/A	N/A	N/A	4.6	N/A	4.6	N/A	N/A	N/A	4.8
1962	12	-1.4	N/A	N/A	N/A	-1.7	N/A	N/A	N/A	-1	N/A	-1.3	N/A	N/A	-1.2	-0.9
1963	1	-1.5	N/A	N/A	N/A	-1.9	N/A	N/A	N/A	-1	N/A	-1.8	N/A	N/A	-2	-2
1963	2	-6.1	N/A	-7.7	-7.7	-8	N/A	N/A	N/A	-7.1	N/A	-7.4	N/A	N/A	-8.1	-6.6
1963	3	-3.5	N/A	-5	-5	-5	N/A	N/A	N/A	N/A	N/A	-3.5	N/A	N/A	-5.6	-3.6
1963	4	0.7	N/A	0.6	0.6	0.7	N/A	N/A	N/A	1	N/A	1.2	N/A	N/A	-0.5	0.5
1963	5	8.7	N/A	8.7	8.7	8.7	N/A	N/A	N/A	9	N/A	8.3	N/A	N/A	N/A	8.1
1963	6	12.2	N/A	12.1	N/A	12	N/A	N/A	N/A	12.2	N/A	12.4	N/A	N/A	12.6	12.5
1963	7	18.4	N/A	18.5	N/A	18.4	N/A	N/A	N/A	19.3	N/A	18.9	N/A	N/A	17.8	18.1
1963	8	16.6	N/A	N/A	N/A	16.5	N/A	N/A	N/A	16.7	N/A	16.8	N/A	N/A	16.9	16.9
1963	9	12.8	N/A	N/A	N/A	12.2	N/A	N/A	N/A	12.3	N/A	13.4	N/A	N/A	N/A	13.3
1963	10	10.2	N/A	8.6	N/A	9.3	N/A	N/A	N/A	9.7	N/A	10.4	N/A	N/A	N/A	11.2

Year	Month	Baddeck (8200300)	Baddeck Bell (8200301)	Northeast Margaree (8204150)	Northeast Margaree (8204151)	Margaree Forks (8203422)	Margaree Forks (8203423)	Frizzleton (8201900)	Cheticamp (8200824)	Cheticamp (8200825)	Cheticamp CS (8200827)	Ingonish Beach (8202500)	Ingonish Beach RCS (8202502)	St Paul Island (8204900)	Port Hood (8204500)	Port Hastings (8204480)
1963	11	5.5	N/A	N/A	N/A	5.6	N/A	N/A	N/A	6	N/A	5.7	N/A	N/A	6	6.5
1963	12	-4.8	N/A	-5.4	-5.4	-5.4	N/A	N/A	N/A	-5	N/A	-4.6	N/A	N/A	-6	-6
1964	1	-5.5	N/A	-6.6	-6.6	-5.8	N/A	N/A	N/A	-4.8	N/A	-5.5	N/A	N/A	-6.6	-5.3
1964	2	-5.3	N/A	-5.8	-5.8	-6	N/A	N/A	N/A	-4.9	N/A	-4.7	N/A	N/A	-6.5	-5
1964	3	-2.8	N/A	-3.1	-3.1	-3.4	N/A	N/A	N/A	-1.8	N/A	-2.7	N/A	N/A	-3.9	-1.9
1964	4	2.4	N/A	2	2	0.9	N/A	N/A	N/A	1.8	N/A	2.7	N/A	N/A	0.6	2
1964	5	7.9	N/A	8.5	8.5	7.5	N/A	N/A	N/A	7.8	N/A	8.2	N/A	N/A	5.7	7.3
1964	6	11.8	N/A	N/A	N/A	10.9	N/A	N/A	N/A	11.9	N/A	12.2	N/A	N/A	10.9	11.3
1964	7	16.9	N/A	18.3	N/A	17.4	N/A	N/A	N/A	17.5	N/A	17.1	N/A	N/A	17	16.8
1964	8	16.1	N/A	15.6	N/A	15.4	N/A	N/A	N/A	16	N/A	16.4	N/A	N/A	15.7	16.1
1964	9	12.6	N/A	N/A	N/A	12	N/A	N/A	N/A	12.6	N/A	13.3	N/A	N/A	12.6	13.1
1964	10	8.4	N/A	N/A	N/A	8.5	N/A	N/A	N/A	8.5	N/A	8.6	N/A	N/A	9	8.9
1964	11	1.8	N/A	N/A	N/A	1.7	N/A	N/A	N/A	2	N/A	1.9	N/A	N/A	2.4	2.6
1964	12	-2.2	N/A	N/A	N/A	-1.7	N/A	N/A	N/A	-0.7	N/A	-1.1	N/A	N/A	0.3	-0.6
1965	1	-5.8	N/A	N/A	N/A	-6	N/A	N/A	N/A	-5	N/A	-4.9	N/A	N/A	-5.5	-4.3
1965	2	-7.6	N/A	N/A	N/A	-8.5	N/A	N/A	N/A	-7.3	N/A	-6.7	N/A	N/A	-7.5	-6.6
1965	3	-2.7	N/A	N/A	N/A	-4.4	N/A	N/A	N/A	-3.7	N/A	-2.1	N/A	N/A	-3.9	-3.3
1965	4	0.8	N/A	N/A	N/A	0	N/A	N/A	N/A	0.5	N/A	0.7	N/A	N/A	0.1	0.5
1965	5	6.2	N/A	N/A	N/A	5.8	N/A	N/A	N/A	5.4	N/A	4.9	N/A	N/A	4.6	4.6
1965	6	12.9	N/A	N/A	N/A	13.2	N/A	N/A	N/A	13.2	N/A	13.7	N/A	N/A	14.9	13
1965	7	17.6	N/A	N/A	N/A	17.2	N/A	N/A	N/A	17.7	N/A	18	N/A	N/A	19	17.3
1965	8	18	N/A	N/A	N/A	17.4	N/A	N/A	N/A	17.8	N/A	18.2	N/A	N/A	18.5	18
1965	9	13.8	N/A	N/A	N/A	12.3	N/A	N/A	N/A	13	N/A	13.4	N/A	N/A	13.3	13.7
1965	10	8.3	N/A	7.3	N/A	7.1	N/A	N/A	N/A	7.8	N/A	7.8	N/A	N/A	7.6	8.4
1965	11	1.8	N/A	1.8	1.8	1.7	N/A	N/A	N/A	2.2	N/A	1.7	N/A	N/A	2.7	2.8
1965	12	-2	N/A	-3	-3	-3	N/A	N/A	N/A	-2.2	N/A	-1.9	N/A	N/A	-1.4	-1.5
1966	1	-2.1	N/A	-3.7	-3.7	-3.7	N/A	N/A	N/A	N/A	N/A	-2.6	N/A	N/A	-2.5	-2.7
1966	2	-5.4	N/A	-7.1	-7.1	-6.8	N/A	N/A	N/A	-6	N/A	-4.8	N/A	N/A	-6.4	-5.6
1966	3	-0.8	N/A	-0.5	-0.5	-1.1	N/A	N/A	N/A	-0.3	N/A	-0.3	N/A	N/A	-1.3	-0.5
1966	4	2.9	N/A	1.8	1.8	1.6	N/A	N/A	N/A	1.6	N/A	1.6	N/A	N/A	1.5	1.9
1966	5	8.3	N/A	8.1	8.1	7.9	N/A	N/A	N/A	8.2	N/A	7.5	N/A	N/A	7.8	7.8
1966	6	14	N/A	13.1	N/A	13.7	N/A	N/A	N/A	14.1	N/A	14.4	N/A	N/A	11.9	13.8
1966	7	17.7	N/A	17.3	N/A	17.7	N/A	N/A	N/A	18.3	N/A	18.3	N/A	N/A	20.2	17.2
1966	8	18.4	N/A	17.3	N/A	17	N/A	N/A	N/A	18.2	N/A	18.4	N/A	N/A	19.3	18.2
1966	9	12.8	N/A	11.9	N/A	11.8	N/A	N/A	N/A	12.9	N/A	13.2	N/A	N/A	13.6	13.7
1966	10	9.5	N/A	9.5	N/A	9	N/A	N/A	N/A	9.7	N/A	9.7	N/A	N/A	8.4	10
1966	11	6.4	N/A	6.1	6.1	6	N/A	N/A	N/A	7.1	N/A	6.2	N/A	N/A	9.2	6.8
1966	12	0.9	N/A	0.4	0.4	-0.3	N/A	N/A	N/A	0.9	N/A	0.7	N/A	N/A	1.4	1.3
1967	1	-3.7	N/A	-4.3	-4.3	-3.8	N/A	N/A	N/A	-3	N/A	-3.6	N/A	N/A	-3	-2.8
1967	2	-8.2	N/A	-9.8	-9.8	-9.7	N/A	N/A	N/A	-8.2	N/A	-8	N/A	N/A	-9.3	-7.2
1967	3	-5.9	N/A	-6.8	-6.8	-7.4	N/A	N/A	N/A	-6.1	N/A	-5.7	N/A	N/A	-8.6	-5.1
1967	4	-0.3	N/A	-1.5	-1.5	-2	N/A	N/A	N/A	-0.7	N/A	-0.5	N/A	N/A	-2.3	-1.1
1967	5	5.8	N/A	6.2	6.2	5.6	N/A	N/A	N/A	5.9	N/A	4.6	N/A	N/A	2	5
1967	6	14.6	N/A	14.2	N/A	13.4	N/A	N/A	N/A	13.7	N/A	14.3	N/A	N/A	13.2	14.3
1967	7	20	N/A	20.3	N/A	20.6	N/A	N/A	N/A	20.9	N/A	21.2	N/A	N/A	20.2	20.3
1967	8	20.5	N/A	19.5	N/A	19.8	N/A	N/A	N/A	20.5	N/A	21.4	N/A	N/A	20.1	20.3
1967	9	14.6	N/A	13.5	N/A	13.5	N/A	N/A	N/A	14.4	N/A	15.2	N/A	N/A	14.3	14.5
1967	10	9.4	N/A	9.6	N/A	9.8	N/A	N/A	N/A	10.4	N/A	10.2	N/A	N/A	9.8	10.3

Year	Month	Baddeck (8200300)	Baddeck Bell (8200301)	Northeast Margaree (8204150)	Northeast Margaree (8204151)	Margaree Forks (8203422)	Margaree Forks (8203423)	Frizzleton (8201900)	Cheticamp (8200824)	Cheticamp (8200825)	Cheticamp CS (8200827)	Ingonish Beach (8202500)	Ingonish Beach RCS (8202502)	St Paul Island (8204900)	Port Hood (8204500)	Port Hastings (8204480)
1967	11	5.8	N/A	4.4	4.4	4.9	N/A	N/A	N/A	5.8	N/A	5.3	N/A	N/A	1	5.5
1967	12	-1.1	N/A	-0.5	-0.5	-1.2	N/A	N/A	N/A	-0.9	N/A	-0.8	N/A	N/A	-0.5	-0.2
1968	1	-6.4	N/A	-8.1	-8.1	-6.7	N/A	N/A	N/A	-5.7	N/A	-5.8	N/A	N/A	-9.2	-6.8
1968	2	-7.4	N/A	-9.3	-9.3	-8.5	N/A	N/A	N/A	-7.6	N/A	-7.3	N/A	N/A	-9	-7.7
1968	3	-1.2	N/A	-1.6	-1.6	-1	N/A	N/A	N/A	-0.6	N/A	-1.4	N/A	N/A	-1.9	-1.1
1968	4	4.3	N/A	5	5	4.5	N/A	N/A	N/A	4.9	N/A	3.7	N/A	N/A	3.8	4.4
1968	5	7.9	N/A	7.3	7.3	6.7	N/A	N/A	N/A	7	N/A	7.2	N/A	N/A	6.2	7.1
1968	6	12.6	N/A	11.2	N/A	12	N/A	N/A	N/A	12.5	N/A	12.8	N/A	N/A	8	12.3
1968	7	18.6	N/A	17.3	N/A	17.6	N/A	N/A	N/A	17.9	N/A	19.1	N/A	N/A	N/A	18.6
1968	8	16.2	N/A	15.4	N/A	15.5	N/A	N/A	N/A	15.6	N/A	16.5	N/A	N/A	17	16.6
1968	9	15	N/A	14.3	N/A	13.9	N/A	N/A	N/A	14.7	N/A	14.9	N/A	N/A	15.3	15.7
1968	10	10.8	N/A	9.4	N/A	9.8	N/A	N/A	N/A	10.5	N/A	10.5	N/A	N/A	9.5	11.3
1968	11	2.9	N/A	1.9	1.9	3	N/A	N/A	N/A	3.1	N/A	2.6	N/A	N/A	2.9	3.4
1968	12	-0.8	N/A	-1.2	-1.2	-0.8	N/A	N/A	N/A	0.2	N/A	-0.4	N/A	N/A	0.1	0.1
1969	1	-3.2	N/A	-3.5	-3.5	-3.2	N/A	N/A	N/A	-2.6	N/A	-2.5	N/A	N/A	-2.1	-2.7
1969	2	-1.6	N/A	-2.6	-2.6	-2.3	N/A	N/A	N/A	-1.9	N/A	-1.7	N/A	N/A	-2.3	-2.2
1969	3	-0.5	N/A	-1.6	-1.6	-1.3	N/A	N/A	N/A	-1	N/A	-0.7	N/A	N/A	N/A	-1.2
1969	4	3.7	N/A	1	1	2	N/A	N/A	N/A	1.8	N/A	2	N/A	N/A	1.2	3
1969	5	7.9	N/A	7.4	7.4	7.3	N/A	N/A	N/A	7.1	N/A	7.6	N/A	N/A	4.7	7.3
1969	6	14.4	N/A	15.1	N/A	15.2	N/A	N/A	N/A	15.3	N/A	14.9	N/A	N/A	13.9	15
1969	7	16.7	N/A	N/A	N/A	16	N/A	N/A	N/A	15.7	N/A	16.2	N/A	N/A	17.5	16.6
1969	8	18.5	N/A	17.6	N/A	17.9	N/A	N/A	N/A	18.4	N/A	18.9	N/A	N/A	N/A	18.8
1969	9	13.9	N/A	13.7	N/A	13.5	N/A	N/A	N/A	13.8	N/A	14.5	N/A	N/A	14.5	15
1969	10	7.8	N/A	7.1	N/A	7.2	N/A	N/A	N/A	7.3	N/A	7.6	N/A	N/A	7.6	9
1969	11	6.1	N/A	6.1	6.1	6	N/A	N/A	N/A	6.7	N/A	5.7	N/A	N/A	5.1	6.1
1969	12	2.4	N/A	2	2	2.4	N/A	N/A	N/A	2.4	N/A	2.5	N/A	N/A	N/A	2.2
1970	1	-7.8	N/A	-9.8	-9.8	-8.8	N/A	N/A	N/A	-7.8	N/A	-7.3	N/A	N/A	-8.4	-8.9
1970	2	-5.2	N/A	-6	-6	-5.7	N/A	N/A	N/A	-4.7	N/A	-4.6	N/A	N/A	-4.6	-4
1970	3	-1.7	N/A	-3.5	-3.5	-2.8	N/A	N/A	N/A	-2.3	N/A	-1	N/A	N/A	-4.1	-1.9
1970	4	2.1	N/A	0.9	0.9	0.7	N/A	N/A	N/A	0.7	N/A	1.3	N/A	N/A	-0.7	2
1970	5	9.2	N/A	9.8	9.8	9	N/A	N/A	N/A	8.6	N/A	9	N/A	N/A	N/A	9.1
1970	6	14.5	N/A	14.8	N/A	14.5	N/A	N/A	N/A	14.9	N/A	15.2	N/A	N/A	13.3	14.6
1970	7	18.8	N/A	18.6	N/A	18.7	N/A	N/A	N/A	19.1	N/A	19.6	N/A	N/A	N/A	19.3
1970	8	19.7	N/A	18.5	N/A	18.7	N/A	N/A	N/A	19.1	N/A	19.7	N/A	N/A	N/A	19.6
1970	9	12.3	N/A	11.1	N/A	12.1	N/A	N/A	N/A	12.3	N/A	12.7	N/A	N/A	12.7	13.4
1970	10	9.9	N/A	7.3	N/A	8.9	N/A	N/A	N/A	9.6	N/A	9.6	N/A	N/A	10	10.3
1970	11	5.5	N/A	3.1	3.1	4	N/A	N/A	N/A	4.7	N/A	5.1	N/A	N/A	N/A	5.7
1970	12	-3.7	N/A	-3.7	-3.7	-3.1	N/A	N/A	N/A	-3	N/A	-3	N/A	N/A	-0.7	-3
1971	1	-6.6	N/A	N/A	-8.2	-7.4	N/A	N/A	N/A	-6.4	N/A	-5.9	N/A	N/A	-9.8	-7.1
1971	2	-4.9	N/A	N/A	-6.3	-5.6	N/A	N/A	N/A	-5.1	N/A	-5	N/A	N/A	-6.2	-4.4
1971	3	-0.5	N/A	N/A	-1.9	-0.8	N/A	N/A	N/A	-0.9	N/A	-0.2	N/A	N/A	N/A	0.1
1971	4	3.9	N/A	N/A	2.8	4.2	N/A	N/A	N/A	4.2	N/A	2.8	N/A	N/A	2.9	3.7
1971	5	10	N/A	N/A	10.4	10.5	N/A	N/A	N/A	10	N/A	8.8	N/A	N/A	8.2	9.1
1971	6	13.2	N/A	13.7	N/A	12.5	N/A	N/A	N/A	12.5	N/A	13.8	N/A	N/A	12.4	13.2
1971	7	18.7	N/A	18.1	N/A	18.5	N/A	N/A	N/A	18.5	N/A	19	N/A	N/A	20.1	18.8
1971	8	18.1	N/A	18.3	N/A	18.1	N/A	N/A	N/A	18.5	N/A	19.1	N/A	N/A	16.6	19
1971	9	14.8	N/A	13.1	N/A	14.1	N/A	N/A	N/A	14.4	N/A	14.6	N/A	N/A	14	14.9
1971	10	8.9	N/A	9.1	N/A	8.9	N/A	N/A	N/A	9.1	N/A	9.3	N/A	N/A	9.5	10.2

Year	Month	Baddeck (8200300)	Baddeck Bell (8200301)	Northeast Margaree (8204150)	Northeast Margaree (8204151)	Margaree Forks (8203422)	Margaree Forks (8203423)	Frizzleton (8201900)	Cheticamp (8200824)	Cheticamp (8200825)	Cheticamp CS (8200827)	Ingonish Beach (8202500)	Ingonish Beach RCS (8202502)	St Paul Island (8204900)	Port Hood (8204500)	Port Hastings (8204480)
1971	11	4	N/A	N/A	3.1	3.7	N/A	N/A	N/A	3.7	N/A	3.6	N/A	N/A	1.9	4.4
1971	12	-3.7	N/A	N/A	-3.6	-3.5	N/A	N/A	N/A	-3.1	N/A	-3.2	N/A	N/A	N/A	-3.2
1972	1	-5.8	N/A	N/A	-6	-5.8	N/A	N/A	N/A	-4.9	N/A	-5.8	N/A	N/A	N/A	-4.8
1972	2	-8.8	N/A	N/A	-10.3	-9.5	N/A	N/A	N/A	-8.9	N/A	N/A	N/A	N/A	N/A	-7.8
1972	3	-3.8	N/A	N/A	-5.3	-4.2	N/A	N/A	N/A	-3.7	N/A	-4.6	N/A	N/A	N/A	-3.1
1972	4	0.9	N/A	N/A	-0.3	0.6	N/A	N/A	N/A	0.5	N/A	1.6	N/A	N/A	N/A	0.9
1972	5	8.3	N/A	N/A	7.8	8.4	N/A	N/A	N/A	8.1	N/A	8.3	N/A	N/A	N/A	8.6
1972	6	15.3	N/A	15.7	N/A	16.3	N/A	N/A	N/A	16.3	N/A	15.5	N/A	N/A	N/A	14.7
1972	7	18	N/A	17.6	N/A	17.7	N/A	N/A	N/A	17.7	N/A	18	N/A	N/A	18.3	18.1
1972	8	16.9	N/A	15.2	N/A	16	N/A	N/A	N/A	16.5	N/A	17.7	N/A	N/A	16.3	17.5
1972	9	14.3	N/A	12.1	N/A	13.5	N/A	N/A	N/A	13.7	N/A	14	N/A	N/A	13.6	14.6
1972	10	7.8	N/A	6.7	N/A	7	N/A	N/A	N/A	7.3	N/A	8.3	N/A	N/A	6.5	8.4
1972	11	2.9	N/A	N/A	1.7	1.9	N/A	N/A	N/A	2.1	N/A	2.2	N/A	N/A	1.7	2.7
1972	12	-3.8	N/A	N/A	-4.9	-4.2	N/A	N/A	N/A	-4.2	N/A	-4.6	N/A	N/A	-2.9	-3.4
1973	1	-6	N/A	N/A	-7.2	-6.6	N/A	N/A	N/A	-5.3	N/A	-5.7	N/A	N/A	-6.1	-5.7
1973	2	-5.4	N/A	N/A	-6.2	-6	N/A	N/A	N/A	-6.2	N/A	-4.9	N/A	N/A	-6.1	-4.8
1973	3	-1.6	N/A	N/A	-2.6	-2.8	N/A	N/A	N/A	-3	N/A	-0.5	N/A	N/A	-2.5	-1.5
1973	4	2.3	N/A	N/A	1.4	2.2	N/A	N/A	N/A	1.4	N/A	1.6	N/A	N/A	1.4	2.7
1973	5	8.3	N/A	N/A	9.8	9.2	N/A	N/A	N/A	8.3	N/A	7.1	N/A	N/A	7.1	7.8
1973	6	15.1	N/A	15.8	N/A	15.5	N/A	N/A	N/A	15.1	N/A	15.7	N/A	N/A	14.7	15.3
1973	7	19.7	N/A	19.6	N/A	20.3	N/A	N/A	N/A	21.1	N/A	22.2	N/A	N/A	19.8	20
1973	8	18.1	N/A	17.3	N/A	17.1	N/A	N/A	N/A	17.5	N/A	18	N/A	N/A	17.5	18.9
1973	9	13.3	N/A	N/A	N/A	11.9	N/A	N/A	N/A	12.5	N/A	13.9	N/A	N/A	11.7	14.1
1973	10	8.1	N/A	5.5	N/A	7.4	N/A	N/A	N/A	7.5	N/A	8.1	N/A	N/A	5.4	9.5
1973	11	2.6	N/A	N/A	1	2.3	N/A	N/A	N/A	2.4	N/A	2.4	N/A	N/A	1.1	3.3
1973	12	1.9	N/A	N/A	1.4	1.4	N/A	N/A	N/A	2	N/A	2.7	N/A	N/A	1.4	2.2
1974	1	-7.2	N/A	N/A	-8.3	-7.3	N/A	N/A	N/A	-7.1	N/A	-7.2	N/A	N/A	-7.6	-6
1974	2	-7.1	N/A	N/A	-9.9	-8.9	N/A	N/A	N/A	-7.7	N/A	-6.7	N/A	N/A	-8.5	-6.2
1974	3	-3.1	N/A	N/A	-3.6	-3.4	N/A	N/A	N/A	-3	N/A	-2.4	N/A	N/A	-5.2	-2
1974	4	2.7	N/A	N/A	0.8	2.5	N/A	N/A	N/A	2.8	N/A	2.9	N/A	N/A	1.2	3.4
1974	5	5.6	N/A	N/A	3.6	5.1	N/A	N/A	N/A	4.6	N/A	5.2	N/A	N/A	2.8	5.4
1974	6	13.3	N/A	14.4	N/A	13.8	N/A	N/A	N/A	14.1	N/A	13.6	N/A	N/A	12.2	14.1
1974	7	15.7	N/A	16.1	N/A	16.2	N/A	N/A	N/A	16.4	N/A	N/A	N/A	N/A	16.5	15.9
1974	8	18.6	N/A	17.1	N/A	17.7	N/A	N/A	N/A	18.1	N/A	18.9	N/A	N/A	19.7	19.2
1974	9	14	N/A	12.6	N/A	13.7	N/A	N/A	N/A	14	N/A	14	N/A	N/A	11.4	15.6
1974	10	7	N/A	5.6	N/A	7.1	N/A	N/A	N/A	6.8	N/A	7.5	N/A	N/A	N/A	7.9
1974	11	3.8	N/A	N/A	2.5	N/A	N/A	N/A	N/A	3.9	N/A	3.3	N/A	N/A	3.5	4.7
1974	12	-0.2	N/A	N/A	-0.8	-1.3	N/A	N/A	N/A	-0.2	N/A	-0.5	N/A	N/A	1.6	0.6
1975	1	-4.7	N/A	N/A	-5.7	N/A	N/A	N/A	N/A	-4.7	N/A	-5	N/A	N/A	-3.6	-3.7
1975	2	-9.3	N/A	N/A	-13	N/A	N/A	N/A	N/A	-10.4	N/A	-9.4	N/A	N/A	-8.7	-8.6
1975	3	-2.5	N/A	N/A	-4.3	-4.3	N/A	N/A	N/A	-3	N/A	-1.3	N/A	N/A	-2.2	-2.5
1975	4	1.6	N/A	N/A	-0.4	N/A	N/A	N/A	N/A	1	N/A	1.4	N/A	N/A	-0.8	1.2
1975	5	7.9	N/A	N/A	7.2	7.4	N/A	N/A	N/A	7.9	N/A	7.6	N/A	N/A	7.3	8.1
1975	6	14.5	N/A	N/A	13.8	13.3	N/A	N/A	N/A	14.1	N/A	13	N/A	N/A	16.2	14.3
1975	7	21.1	N/A	N/A	20.8	20.5	N/A	N/A	N/A	21.3	N/A	20.9	N/A	N/A	23.2	21.1
1975	8	17.9	N/A	N/A	17	17.2	N/A	N/A	N/A	17.4	N/A	17.5	N/A	N/A	N/A	18.1
1975	9	14.9	N/A	N/A	12.4	13.8	N/A	N/A	N/A	14.7	N/A	15.3	N/A	N/A	15.4	15.8
1975	10	8.3	N/A	N/A	6.7	7.2	N/A	N/A	N/A	7.9	N/A	8.6	N/A	N/A	9	9.2

Year	Month	Baddeck (8200300)	Baddeck Bell (8200301)	Northeast Margaree (8204150)	Northeast Margaree (8204151)	Margaree Forks (8203422)	Margaree Forks (8203423)	Frizzleton (8201900)	Cheticamp (8200824)	Cheticamp (8200825)	Cheticamp CS (8200827)	Ingonish Beach (8202500)	Ingonish Beach RCS (8202502)	St Paul Island (8204900)	Port Hood (8204500)	Port Hastings (8204480)
1975	11	5	N/A	N/A	3.1	N/A	N/A	N/A	N/A	4.8	N/A	6	N/A	N/A	5.4	6.4
1975	12	-2.8	N/A	N/A	-2.9	N/A	N/A	N/A	N/A	-1.9	N/A	-1.3	N/A	N/A	-1.9	-1.5
1976	1	-4.4	N/A	N/A	-4.9	N/A	N/A	N/A	N/A	-3.9	N/A	-3.8	N/A	N/A	-4.3	-4.2
1976	2	-5	N/A	N/A	-6.2	N/A	N/A	N/A	N/A	-5.5	N/A	-4.7	N/A	N/A	-4.6	-3.6
1976	3	-2.6	N/A	N/A	-3.5	N/A	N/A	N/A	N/A	-2.5	N/A	-2.4	N/A	N/A	-2.7	-2.1
1976	4	3.2	N/A	N/A	2.1	N/A	N/A	N/A	N/A	3.4	N/A	3.1	N/A	N/A	2.7	3.6
1976	5	9.4	N/A	N/A	9.2	N/A	9.8	N/A	N/A	10.5	N/A	9	N/A	N/A	9	10.1
1976	6	15.8	N/A	N/A	15.3	N/A	15	N/A	N/A	15.3	N/A	16.2	N/A	N/A	14.7	16.8
1976	7	17.4	N/A	N/A	16.8	N/A	17.5	N/A	N/A	18	N/A	16.7	N/A	N/A	17.8	17.3
1976	8	18.6	N/A	N/A	17.2	N/A	17.9	N/A	N/A	18.5	N/A	18.4	N/A	N/A	18.7	19.3
1976	9	14.8	N/A	N/A	N/A	N/A	13.8	N/A	N/A	14.3	N/A	14.4	N/A	N/A	15	15.7
1976	10	8.4	N/A	N/A	7.6	N/A	7.6	N/A	N/A	8.3	N/A	8.6	N/A	N/A	9.1	9.8
1976	11	1.9	N/A	N/A	1.1	N/A	1.4	N/A	N/A	1.8	N/A	2.1	N/A	N/A	2.7	2.8
1976	12	-3.8	N/A	N/A	-4.7	N/A	-4.5	N/A	N/A	-3.8	N/A	-3.8	N/A	N/A	-3.8	-2.7
1977	1	-6.4	N/A	N/A	-8	N/A	-7.3	N/A	N/A	-6.7	N/A	-6.3	N/A	N/A	-6.8	-5.9
1977	2	-5.5	N/A	N/A	-6.1	N/A	-5.8	N/A	N/A	-5.5	N/A	-6.1	N/A	N/A	-5.5	-4.7
1977	3	-0.3	N/A	N/A	-0.6	N/A	-0.2	N/A	N/A	0	N/A	-0.9	N/A	N/A	-0.8	0.2
1977	4	2.5	N/A	N/A	1.7	N/A	1.7	N/A	N/A	1.6	N/A	2.9	N/A	N/A	1.5	3.3
1977	5	8	N/A	N/A	7.2	N/A	7.2	N/A	N/A	6.9	N/A	7.2	N/A	N/A	6.9	7.6
1977	6	12.8	N/A	N/A	13.9	N/A	14.2	N/A	N/A	14.6	N/A	13	N/A	N/A	13.2	12.9
1977	7	18	N/A	N/A	16.5	N/A	17.6	N/A	N/A	17.8	N/A	18.1	N/A	N/A	17.9	18.3
1977	8	19.2	N/A	N/A	17.9	N/A	18.6	N/A	N/A	18.7	N/A	19.7	N/A	N/A	19.4	19.5
1977	9	13.3	N/A	N/A	10.8	N/A	12.3	N/A	N/A	12.3	N/A	12.9	N/A	N/A	13.7	13.1
1977	10	9.4	N/A	N/A	7.4	N/A	8.9	N/A	N/A	9.6	N/A	9.2	N/A	N/A	9.9	9.8
1977	11	5.4	N/A	N/A	4.9	N/A	4.3	N/A	N/A	5.6	N/A	6	N/A	N/A	5.9	5.4
1977	12	-1.5	N/A	N/A	-1.5	N/A	-1.4	N/A	N/A	-0.3	N/A	-1.2	N/A	N/A	-0.7	-0.9
1978	1	-3.9	N/A	N/A	-4.3	N/A	-4.4	N/A	N/A	-2.8	N/A	-4.2	N/A	N/A	-3.8	-3.6
1978	2	-6.1	N/A	N/A	-7.4	N/A	-7.3	N/A	N/A	-6.5	N/A	-6	N/A	N/A	-7.3	-7.1
1978	3	-3.2	N/A	N/A	-3.4	N/A	-3.9	N/A	N/A	-3.8	N/A	-2.7	N/A	N/A	-3.8	-3
1978	4	1.5	N/A	N/A	1	N/A	0.9	N/A	N/A	0.6	N/A	1.1	N/A	N/A	1.2	1.3
1978	5	9.3	N/A	N/A	8.8	N/A	9.2	N/A	N/A	9.1	N/A	8.2	N/A	N/A	7.8	8.7
1978	6	13.6	N/A	N/A	14.6	N/A	15	N/A	N/A	15.7	N/A	14.5	N/A	N/A	14	14.2
1978	7	17.6	N/A	N/A	16	N/A	17.3	N/A	N/A	17.5	N/A	18.5	N/A	N/A	18	17.7
1978	8	18.5	N/A	N/A	15.4	N/A	17.8	N/A	N/A	18	N/A	18.6	N/A	N/A	18.8	19.6
1978	9	12	N/A	N/A	10	N/A	10.9	N/A	N/A	11.5	N/A	12.3	N/A	N/A	12.8	12.7
1978	10	8.3	N/A	N/A	6.5	N/A	8.2	N/A	N/A	8.5	N/A	8.7	N/A	N/A	8.8	9.2
1978	11	1.7	N/A	N/A	0.2	N/A	0.1	N/A	N/A	1.4	N/A	2.1	N/A	N/A	2.5	2.1
1978	12	-2.6	N/A	N/A	-3	N/A	-3.1	N/A	N/A	-2.3	N/A	-2.3	N/A	N/A	-2	-2.5
1979	1	-2.8	N/A	N/A	-3.1	N/A	-2.8	N/A	N/A	-2.1	N/A	-2.6	N/A	N/A	-2.7	-2.4
1979	2	-7.7	N/A	N/A	-8.6	N/A	-9.3	N/A	N/A	-8.3	N/A	-6.7	N/A	N/A	-8.3	-8.1
1979	3	0.8	N/A	N/A	0.6	N/A	0.7	N/A	N/A	1.4	N/A	0.6	N/A	N/A	0.4	1
1979	4	4.1	N/A	N/A	3.6	N/A	3.9	N/A	N/A	3.9	N/A	2.9	N/A	N/A	3.1	3.5
1979	5	10	N/A	N/A	10.8	N/A	11	N/A	N/A	11.3	N/A	9.6	N/A	N/A	9.9	9.6
1979	6	14.8	N/A	N/A	14.2	N/A	15.1	N/A	N/A	15.7	N/A	15.3	N/A	N/A	15	15
1979	7	18.5	N/A	N/A	17.7	N/A	18.1	N/A	N/A	18.8	N/A	19.1	N/A	N/A	18.6	18.8
1979	8	17.6	N/A	N/A	16.8	N/A	17.1	N/A	N/A	17.6	N/A	17.5	N/A	N/A	17.9	18
1979	9	14	N/A	N/A	12.1	N/A	12.8	N/A	N/A	13.5	N/A	14.2	N/A	N/A	14.5	14
1979	10	9.3	N/A	N/A	8.5	N/A	8.9	N/A	N/A	8.8	N/A	9.1	N/A	N/A	9.9	N/A

Year	Month	Baddeck (8200300)	Baddeck Bell (8200301)	Northeast Margaree (8204150)	Northeast Margaree (8204151)	Margaree Forks (8203422)	Margaree Forks (8203423)	Frizzleton (8201900)	Cheticamp (8200824)	Cheticamp (8200825)	Cheticamp CS (8200827)	Ingonish Beach (8202500)	Ingonish Beach RCS (8202502)	St Paul Island (8204900)	Port Hood (8204500)	Port Hastings (8204480)
1979	11	5.8	N/A	N/A	4.9	N/A	5.1	N/A	N/A	5.7	N/A	5.6	N/A	N/A	6	N/A
1979	12	-1.4	N/A	N/A	-1.8	N/A	-1.6	N/A	N/A	-1.1	N/A	-1.3	N/A	N/A	-1	N/A
1980	1	-5.1	N/A	N/A	-5.6	N/A	-5.6	N/A	N/A	-4.8	N/A	-4.7	N/A	N/A	-5	N/A
1980	2	-6.8	N/A	N/A	-7.9	N/A	-7.8	N/A	N/A	-6.8	N/A	-6.8	N/A	N/A	-7.6	-8.6
1980	3	-2.7	N/A	N/A	-3.8	N/A	-4	N/A	N/A	-3.2	N/A	-3.1	N/A	N/A	-3.7	-3.3
1980	4	3.9	N/A	N/A	3.8	N/A	3.6	N/A	N/A	4	N/A	3.2	N/A	N/A	3.5	3.7
1980	5	7.4	N/A	N/A	7.3	N/A	7.2	N/A	N/A	7.2	N/A	6.9	N/A	N/A	6.8	7.2
1980	6	12.9	N/A	N/A	12.4	N/A	12.9	N/A	N/A	13.5	N/A	13.6	N/A	N/A	12.9	12.8
1980	7	16.9	N/A	N/A	17	N/A	17	N/A	N/A	17.2	N/A	16.9	N/A	N/A	17	16.9
1980	8	17.6	N/A	N/A	15.9	N/A	15.6	N/A	N/A	17	N/A	17.9	N/A	N/A	17.6	17.8
1980	9	13.6	N/A	N/A	12	N/A	13	N/A	N/A	12.9	N/A	13.4	N/A	N/A	13.7	14
1980	10	8.3	N/A	N/A	7.2	N/A	7.5	N/A	N/A	8	N/A	7.8	N/A	N/A	8.4	8.9
1980	11	2.8	N/A	N/A	2.6	N/A	2.6	N/A	N/A	3.2	N/A	2.9	N/A	N/A	2.8	3.2
1980	12	-4.2	N/A	N/A	-4.7	N/A	-4.4	N/A	N/A	-3.7	N/A	-3.6	N/A	N/A	-4.4	-4.1
1981	1	-6.7	N/A	N/A	-7.3	N/A	-7.2	N/A	N/A	-6.7	N/A	-6.4	N/A	N/A	-7.1	-6.6
1981	2	-1.8	N/A	N/A	-2.2	N/A	-2.2	N/A	N/A	-0.8	N/A	-0.9	N/A	N/A	-1.3	-1.2
1981	3	0.6	N/A	N/A	-0.2	N/A	0.2	N/A	N/A	0.2	N/A	0.7	N/A	N/A	0.1	0.7
1981	4	3.4	N/A	N/A	3.5	N/A	3.9	N/A	N/A	3.9	N/A	4.5	N/A	N/A	4.3	4.4
1981	5	9.4	N/A	N/A	10.4	N/A	10.9	N/A	N/A	11.5	N/A	10	N/A	N/A	10.6	9.4
1981	6	13.7	N/A	N/A	13.4	N/A	14	N/A	N/A	14.5	N/A	14.4	N/A	N/A	14.3	14
1981	7	17.6	N/A	N/A	15.8	N/A	16.6	N/A	N/A	17.2	N/A	17.7	N/A	N/A	17	17.7
1981	8	17.9	N/A	N/A	16.2	N/A	16.8	N/A	N/A	17.4	N/A	18.2	N/A	N/A	17.9	17.7
1981	9	14.5	N/A	N/A	13.6	N/A	13.8	N/A	N/A	14.2	N/A	14.3	N/A	N/A	14.8	14.6
1981	10	8.8	N/A	N/A	8	N/A	8.4	N/A	N/A	9.2	N/A	9.1	N/A	N/A	9.3	9.4
1981	11	4.6	N/A	N/A	4.3	N/A	4.5	N/A	N/A	5.1	N/A	4.9	N/A	N/A	5.3	5.1
1981	12	1.5	N/A	N/A	1.4	N/A	1.9	N/A	N/A	1.7	N/A	1.6	N/A	N/A	1.9	1.8
1982	1	-6.7	N/A	N/A	-6.9	N/A	-6.8	N/A	N/A	-5.5	N/A	-6.1	N/A	N/A	-6.2	-6.4
1982	2	-7.7	N/A	N/A	-7.7	N/A	-7.4	N/A	N/A	-6.8	N/A	-6.5	N/A	N/A	-7.1	-6.1
1982	3	-3.6	N/A	N/A	-3.5	N/A	-3.3	N/A	N/A	-2.4	N/A	-3	N/A	N/A	-2.5	-2.5
1982	4	2.7	N/A	N/A	2.7	N/A	3.2	N/A	N/A	3.9	N/A	3.6	N/A	N/A	3.8	3.8
1982	5	8.3	N/A	N/A	8.1	N/A	8.5	N/A	N/A	8.5	N/A	7	N/A	N/A	8	7.9
1982	6	11.5	N/A	N/A	12.2	N/A	12.5	N/A	N/A	12.7	N/A	10.9	N/A	N/A	12.6	11.9
1982	7	18.1	N/A	N/A	17.9	N/A	18.7	N/A	N/A	18.5	N/A	19.4	N/A	N/A	18.8	18.7
1982	8	16.3	N/A	N/A	14.9	N/A	N/A	N/A	N/A	16.3	N/A	16.5	N/A	N/A	17.3	16.6
1982	9	14.6	N/A	N/A	13.2	N/A	13.6	N/A	N/A	14.3	N/A	14.7	N/A	N/A	14.5	14.9
1982	10	8.2	N/A	N/A	6	N/A	6.8	N/A	N/A	7.6	N/A	7.9	N/A	N/A	8.1	8.9
1982	11	4.3	N/A	N/A	4.2	N/A	4.4	N/A	N/A	5.6	N/A	5	N/A	N/A	5.4	5.4
1982	12	-1	N/A	N/A	-1	N/A	-0.8	N/A	N/A	0.6	N/A	0	N/A	N/A	N/A	0.7
1983	1	-3.1	N/A	N/A	-3.1	N/A	-3.1	N/A	N/A	-2.1	N/A	-2.3	N/A	N/A	N/A	-2.1
1983	2	-4.2	N/A	N/A	-4.2	N/A	-4.2	N/A	N/A	-3.1	N/A	-3.3	N/A	N/A	N/A	-3.6
1983	3	-0.5	N/A	N/A	-0.4	N/A	-0.6	N/A	N/A	0.6	N/A	-0.8	N/A	N/A	-0.3	-0.2
1983	4	4.9	N/A	N/A	6.4	N/A	7	N/A	N/A	7.1	N/A	4.1	N/A	N/A	5.5	5
1983	5	8.9	N/A	N/A	10	N/A	10	N/A	N/A	10.5	N/A	8.6	N/A	N/A	8.4	9.7
1983	6	14.6	N/A	N/A	13.9	N/A	14.6	N/A	N/A	14.8	N/A	14.3	N/A	N/A	14.2	14.6
1983	7	17.3	N/A	N/A	17.5	N/A	17.9	N/A	N/A	18.7	N/A	17.9	N/A	N/A	18.2	18.2
1983	8	16.8	N/A	N/A	16.8	N/A	N/A	N/A	N/A	17.6	N/A	17.5	N/A	N/A	17.5	17.8
1983	9	15.1	N/A	N/A	14.2	N/A	14.6	N/A	N/A	15.4	N/A	15.3	N/A	N/A	15.5	15.8
1983	10	9.1	N/A	N/A	8.3	N/A	8.9	N/A	N/A	9.8	N/A	10	N/A	N/A	10.6	9.9

Year	Month	Baddeck (8200300)	Baddeck Bell (8200301)	Northeast Margaree (8204150)	Northeast Margaree (8204151)	Margaree Forks (8203422)	Margaree Forks (8203423)	Frizzleton (8201900)	Cheticamp (8200824)	Cheticamp (8200825)	Cheticamp CS (8200827)	Ingonish Beach (8202500)	Ingonish Beach RCS (8202502)	St Paul Island (8204900)	Port Hood (8204500)	Port Hastings (8204480)
1983	11	3.7	N/A	N/A	3.8	N/A	4.2	N/A	N/A	5.3	N/A	4.4	N/A	N/A	5.2	4.7
1983	12	-2.4	N/A	N/A	-1.9	N/A	-2	N/A	N/A	-1.1	N/A	-1.7	N/A	N/A	-1	-1.3
1984	1	-5.8	N/A	N/A	-6.1	N/A	-5.7	N/A	N/A	-4.3	N/A	-5.3	N/A	N/A	-4.5	-4.8
1984	2	-2.7	N/A	N/A	-2.4	N/A	-2.8	N/A	N/A	-1.7	N/A	-2.1	N/A	N/A	-1.6	-1.8
1984	3	-3.2	N/A	N/A	-2.8	N/A	-2.9	N/A	N/A	-1.9	N/A	-3.3	N/A	N/A	-1.2	-2.4
1984	4	2.9	N/A	N/A	4.1	N/A	3.7	N/A	N/A	3.9	N/A	2.2	N/A	N/A	3.6	2.9
1984	5	9.4	N/A	N/A	9.6	N/A	10.1	N/A	N/A	10.6	N/A	9.5	N/A	N/A	10.4	9.4
1984	6	13.2	N/A	N/A	13.1	N/A	13.3	N/A	N/A	13.6	N/A	13.1	N/A	N/A	14	N/A
1984	7	19.8	N/A	N/A	19.1	N/A	20	N/A	N/A	20.5	N/A	20.3	N/A	N/A	20.9	20.3
1984	8	20.4	N/A	N/A	19.4	N/A	20.1	N/A	N/A	19.9	N/A	20.1	N/A	N/A	21	20.6
1984	9	13.8	N/A	N/A	12.5	N/A	12.8	N/A	N/A	13.7	N/A	13.6	N/A	N/A	14.1	14.1
1984	10	8.1	N/A	N/A	6.5	N/A	6.7	N/A	N/A	7.3	N/A	7.8	N/A	N/A	8.7	8.8
1984	11	4.1	N/A	N/A	3.7	N/A	4.1	N/A	N/A	5	N/A	4	N/A	N/A	5	4.5
1984	12	-0.8	N/A	N/A	-1.2	N/A	-1.3	N/A	N/A	-0.3	N/A	-1	N/A	N/A	-0.1	-0.4
1985	1	-8	N/A	N/A	-9.5	N/A	-9.6	N/A	N/A	-7.6	N/A	-7.3	N/A	N/A	-7.9	-8.2
1985	2	-5.6	N/A	N/A	-6.2	N/A	-6.5	N/A	N/A	-5.7	N/A	-5.3	N/A	N/A	-5.7	-5.5
1985	3	-3.9	N/A	N/A	-4.8	N/A	-4.9	N/A	N/A	-3.9	N/A	-3.4	N/A	N/A	-3.1	-2.8
1985	4	1.4	N/A	N/A	1	N/A	1.1	N/A	N/A	1.4	N/A	0.9	N/A	N/A	1.7	1.9
1985	5	8.1	N/A	N/A	7.2	N/A	7.5	N/A	N/A	7.9	N/A	6.8	N/A	N/A	7.9	8.1
1985	6	13	N/A	N/A	13.1	N/A	13.7	N/A	N/A	13.9	N/A	12.6	N/A	N/A	13.4	12.8
1985	7	18.9	N/A	N/A	18.3	N/A	19.8	N/A	N/A	19.5	N/A	20.1	N/A	N/A	19.6	19.6
1985	8	18.1	N/A	N/A	16.5	N/A	16.9	N/A	N/A	17.6	N/A	17.6	N/A	N/A	17.5	17.9
1985	9	14.8	N/A	N/A	12.8	N/A	13.3	N/A	N/A	13.9	N/A	14.5	N/A	N/A	14.3	14.8
1985	10	8.3	N/A	N/A	6.9	N/A	7.5	N/A	N/A	8.4	N/A	8.3	N/A	N/A	9	9.1
1985	11	2.9	N/A	N/A	2.2	N/A	2.4	N/A	N/A	2.9	N/A	2.4	N/A	N/A	3.5	3.7
1985	12	-3.7	N/A	N/A	-4.8	N/A	-4.6	N/A	N/A	-2.7	N/A	-3.8	N/A	N/A	-3.7	-3.7
1986	1	-3.3	N/A	N/A	-3.7	N/A	-3.5	N/A	N/A	-2.6	N/A	-3.3	N/A	N/A	-3.5	-2.9
1986	2	-7.1	N/A	N/A	-8.7	N/A	-8.4	N/A	N/A	-7.6	N/A	-6.5	N/A	N/A	-7.6	-7.1
1986	3	-3.7	N/A	N/A	-4.4	N/A	-3.9	N/A	N/A	-2.9	N/A	-2.7	N/A	N/A	-3	-2.1
1986	4	4	N/A	N/A	5.7	N/A	5.8	N/A	N/A	6.1	N/A	2.3	N/A	N/A	5.3	4.1
1986	5	8.6	N/A	N/A	8.9	N/A	9.6	N/A	N/A	9.5	N/A	7.7	N/A	N/A	9.8	9
1986	6	12.8	N/A	N/A	12.2	N/A	N/A	N/A	N/A	13	N/A	12.4	N/A	N/A	12.8	13.2
1986	7	15.8	N/A	N/A	15.1	N/A	15.9	N/A	N/A	16	N/A	15.6	N/A	N/A	15.8	16.2
1986	8	17.5	N/A	N/A	16.5	N/A	17.2	N/A	N/A	17.8	N/A	17.3	N/A	N/A	17.7	17.3
1986	9	12.1	N/A	N/A	10.2	N/A	11.3	N/A	N/A	11.6	N/A	11.5	N/A	N/A	12.1	12.5
1986	10	8.2	N/A	N/A	6.8	N/A	6.9	N/A	N/A	7.8	N/A	8	N/A	N/A	7.9	8.6
1986	11	2.4	N/A	N/A	1.6	N/A	1.9	N/A	N/A	2.5	N/A	2.2	N/A	N/A	2.5	2.8
1986	12	-2.3	N/A	N/A	-3.5	N/A	-3.2	N/A	N/A	-2.1	N/A	-2.4	N/A	N/A	-2.3	-1.8
1987	1	-5.1	N/A	N/A	-6.8	N/A	-6.1	N/A	N/A	-5.1	N/A	-4.9	N/A	N/A	-5.5	-5.3
1987	2	-6.8	N/A	N/A	-8.5	N/A	-8.3	N/A	N/A	-7.3	N/A	-6.3	N/A	N/A	-8.2	-7.3
1987	3	-2.9	N/A	N/A	-3.4	N/A	-3.8	N/A	N/A	-3.2	N/A	-2.9	N/A	N/A	-3.7	-3.7
1987	4	4.5	N/A	N/A	4.4	N/A	4.3	N/A	N/A	4.6	N/A	3.8	N/A	N/A	4.3	3.4
1987	5	9	N/A	N/A	7.9	N/A	8.6	N/A	N/A	8.9	N/A	8.4	N/A	N/A	8	7.9
1987	6	13.2	N/A	N/A	12.3	N/A	12.9	N/A	N/A	13.2	N/A	12.8	N/A	N/A	13	12.9
1987	7	18.7	N/A	N/A	17.3	N/A	18.3	N/A	N/A	18.8	N/A	18.7	N/A	N/A	18.7	18.8
1987	8	18	N/A	N/A	15.7	N/A	16.8	N/A	N/A	16.9	N/A	17.3	N/A	N/A	17.6	17.7
1987	9	14.4	N/A	N/A	13.1	N/A	13.9	N/A	N/A	14.3	N/A	14.4	N/A	N/A	14.9	14.8
1987	10	10	N/A	N/A	N/A	N/A	8.4	N/A	N/A	9.8	N/A	9.5	N/A	N/A	10.1	9.9

Year	Month	Baddeck (8200300)	Baddeck Bell (8200301)	Northeast Margaree (8204150)	Northeast Margaree (8204151)	Margaree Forks (8203422)	Margaree Forks (8203423)	Frizzleton (8201900)	Cheticamp (8200824)	Cheticamp (8200825)	Cheticamp CS (8200827)	Ingonish Beach (8202500)	Ingonish Beach RCS (8202502)	St Paul Island (8204900)	Port Hood (8204500)	Port Hastings (8204480)
1987	11	3.2	N/A	N/A	N/A	N/A	2.7	N/A	N/A	3.4	N/A	3.2	N/A	N/A	3.1	3.3
1987	12	-1.3	N/A	N/A	N/A	N/A	-1.7	N/A	N/A	-1.2	N/A	-1.4	N/A	N/A	-1.3	-1.3
1988	1	-5.4	N/A	N/A	N/A	N/A	-5.7	N/A	N/A	-4.1	N/A	-4.9	N/A	N/A	-4.7	-5
1988	2	-4.9	N/A	N/A	N/A	N/A	-6.1	N/A	N/A	-4.9	N/A	-4.7	N/A	N/A	-5	-4.2
1988	3	-2	N/A	N/A	N/A	N/A	-2.9	N/A	N/A	-2.3	N/A	-1.5	N/A	N/A	-2.7	-2.3
1988	4	3.1	N/A	N/A	N/A	N/A	3.5	N/A	N/A	3.7	N/A	2.2	N/A	N/A	2.9	3.2
1988	5	10.5	N/A	N/A	N/A	N/A	11.5	N/A	N/A	11.2	N/A	9.9	N/A	N/A	10.5	10.5
1988	6	12.6	N/A	N/A	N/A	N/A	13	N/A	N/A	13.2	N/A	12.9	N/A	N/A	N/A	12.6
1988	7	17.9	N/A	N/A	N/A	N/A	18.3	N/A	N/A	18.6	N/A	16.7	N/A	N/A	18.6	18.5
1988	8	18.7	N/A	N/A	N/A	N/A	18.5	N/A	N/A	18.6	N/A	18.3	N/A	N/A	18.3	19.2
1988	9	12.9	N/A	N/A	N/A	N/A	12.1	N/A	N/A	12.9	N/A	13.1	N/A	N/A	12.5	13.4
1988	10	8.4	N/A	N/A	N/A	N/A	7.4	N/A	N/A	9	N/A	8.6	N/A	N/A	N/A	8.8
1988	11	4.6	N/A	N/A	N/A	N/A	3.7	N/A	N/A	4.8	N/A	4.4	N/A	N/A	N/A	4.9
1988	12	-3.1	N/A	N/A	N/A	N/A	-4	N/A	N/A	-2.5	N/A	-3.2	N/A	N/A	N/A	-2.9
1989	1	-5.2	N/A	N/A	N/A	N/A	-5.9	N/A	N/A	-4.5	N/A	-5.2	N/A	N/A	N/A	-4.4
1989	2	-7.7	N/A	N/A	N/A	N/A	-8.8	N/A	N/A	-7.3	N/A	-7	N/A	N/A	N/A	-6.4
1989	3	-4.7	N/A	N/A	N/A	N/A	-5.7	N/A	N/A	-4.2	N/A	-4	N/A	N/A	N/A	-3.8
1989	4	3.1	N/A	N/A	N/A	N/A	3.2	N/A	N/A	3.9	N/A	3.5	N/A	N/A	N/A	4.1
1989	5	11.3	N/A	N/A	N/A	N/A	12.4	N/A	N/A	13.3	N/A	9.4	N/A	N/A	N/A	11.1
1989	6	14.3	N/A	N/A	N/A	N/A	14	N/A	N/A	14.4	N/A	13.5	N/A	N/A	N/A	14.4
1989	7	17.3	N/A	N/A	N/A	N/A	16.7	N/A	N/A	17.3	N/A	18.4	N/A	N/A	N/A	17.3
1989	8	19.6	N/A	N/A	N/A	N/A	18.2	N/A	N/A	19	N/A	20.7	N/A	N/A	N/A	19.2
1989	9	15	N/A	N/A	N/A	N/A	13.8	N/A	N/A	14.6	N/A	14.8	N/A	N/A	N/A	15.4
1989	10	8.5	N/A	N/A	N/A	N/A	7.4	N/A	N/A	8.3	N/A	8.3	N/A	N/A	N/A	N/A
1989	11	3.4	N/A	N/A	N/A	N/A	3.2	N/A	N/A	4.1	N/A	3.6	N/A	N/A	N/A	N/A
1989	12	-6.8	N/A	N/A	N/A	N/A	-7	N/A	N/A	-6	N/A	-5.7	N/A	N/A	-8.1	N/A
1990	1	-4.5	N/A	N/A	N/A	N/A	-5	N/A	N/A	-4	N/A	-4.4	N/A	N/A	-4.5	N/A
1990	2	-8.2	N/A	N/A	N/A	N/A	-8.6	N/A	N/A	-8.2	N/A	-7.6	N/A	N/A	-7.8	N/A
1990	3	-4.2	N/A	N/A	N/A	N/A	-4.6	N/A	N/A	-3.7	N/A	-3.3	N/A	N/A	-3.6	N/A
1990	4	3.7	N/A	N/A	N/A	N/A	3.7	N/A	N/A	4	N/A	3.1	N/A	N/A	3.7	N/A
1990	5	7	N/A	N/A	N/A	N/A	7.6	N/A	N/A	7.8	N/A	6.4	N/A	N/A	7.7	N/A
1990	6	15.3	N/A	N/A	N/A	N/A	16.3	N/A	N/A	16.9	N/A	15.7	N/A	N/A	16.1	N/A
1990	7	18.8	N/A	N/A	N/A	N/A	17.9	N/A	N/A	18.4	N/A	18.6	N/A	N/A	18.6	N/A
1990	8	20.4	N/A	N/A	N/A	N/A	20.2	N/A	N/A	20.4	N/A	20	N/A	N/A	20.3	N/A
1990	9	14.8	N/A	N/A	N/A	N/A	13.4	N/A	N/A	14	N/A	14.4	N/A	N/A	14.4	N/A
1990	10	11.1	N/A	N/A	N/A	N/A	10.7	N/A	N/A	10.9	N/A	10.7	N/A	N/A	11.1	N/A
1990	11	4	N/A	N/A	N/A	N/A	3.9	N/A	N/A	4.5	N/A	4.1	N/A	N/A	4.2	N/A
1990	12	-0.1	N/A	N/A	N/A	N/A	-0.5	N/A	N/A	0.3	N/A	-0.1	N/A	N/A	N/A	N/A
1991	1	-8.1	N/A	N/A	N/A	N/A	-9.3	N/A	N/A	-7.6	N/A	-8	N/A	N/A	-7.4	N/A
1991	2	-5.6	N/A	N/A	N/A	N/A	-6.3	N/A	N/A	-5.8	N/A	-5.8	N/A	N/A	-5.8	N/A
1991	3	-0.1	N/A	N/A	N/A	N/A	-0.7	N/A	N/A	-0.1	N/A	-0.5	N/A	N/A	-0.5	N/A
1991	4	3.4	N/A	N/A	N/A	N/A	1.7	N/A	N/A	1.8	N/A	1.9	N/A	N/A	1.8	N/A
1991	5	8.8	N/A	N/A	N/A	N/A	8	N/A	N/A	7.9	N/A	7.9	N/A	N/A	7.6	N/A
1991	6	13.8	N/A	N/A	N/A	N/A	12.9	N/A	N/A	12.8	N/A	13.7	N/A	N/A	11.5	N/A
1991	7	18.5	N/A	N/A	N/A	N/A	17.5	N/A	N/A	17.9	N/A	17.6	N/A	N/A	17.6	N/A
1991	8	18.5	N/A	N/A	N/A	N/A	17.7	N/A	N/A	17.9	N/A	18.4	N/A	N/A	17.8	N/A
1991	9	14	N/A	N/A	N/A	N/A	13.2	N/A	N/A	13.8	N/A	13.9	N/A	N/A	13.5	N/A
1991	10	10.4	N/A	N/A	N/A	N/A	10.1	N/A	N/A	10.9	N/A	10.5	N/A	N/A	9.9	N/A

Year	Month	Baddeck (8200300)	Baddeck Bell (8200301)	Northeast Margaree (8204150)	Northeast Margaree (8204151)	Margaree Forks (8203422)	Margaree Forks (8203423)	Frizzleton (8201900)	Cheticamp (8200824)	Cheticamp (8200825)	Cheticamp CS (8200827)	Ingonish Beach (8202500)	Ingonish Beach RCS (8202502)	St Paul Island (8204900)	Port Hood (8204500)	Port Hastings (8204480)
1991	11	6.1	N/A	N/A	N/A	N/A	5.8	N/A	N/A	6.2	N/A	5.6	N/A	N/A	N/A	N/A
1991	12	-2.4	N/A	N/A	N/A	N/A	-2.5	N/A	N/A	-2	N/A	-2.6	N/A	N/A	N/A	N/A
1992	1	-5.7	N/A	N/A	N/A	N/A	-6.7	N/A	N/A	-5.7	N/A	-5.9	N/A	N/A	N/A	N/A
1992	2	-6.6	N/A	N/A	N/A	N/A	-7.8	N/A	N/A	-6.9	N/A	-6.6	N/A	N/A	-6.7	N/A
1992	3	-4.9	N/A	N/A	N/A	N/A	-5.9	N/A	N/A	-5.3	N/A	-4.8	N/A	N/A	-5.9	N/A
1992	4	1	N/A	N/A	N/A	N/A	1.3	N/A	N/A	1.3	N/A	0.1	N/A	N/A	1.9	N/A
1992	5	9.3	N/A	N/A	N/A	N/A	8.8	N/A	N/A	8.8	N/A	8	N/A	N/A	7.9	N/A
1992	6	14.1	N/A	N/A	N/A	N/A	14.1	N/A	N/A	14.3	N/A	12.2	N/A	N/A	12.5	N/A
1992	7	16	N/A	N/A	N/A	N/A	15	N/A	N/A	15.3	N/A	15.4	N/A	N/A	13.8	N/A
1992	8	18.6	N/A	N/A	N/A	N/A	18.1	N/A	N/A	18.4	N/A	18.8	N/A	N/A	N/A	N/A
1992	9	15.7	N/A	N/A	N/A	N/A	14.5	N/A	N/A	15.2	N/A	15.9	N/A	N/A	14.7	N/A
1992	10	8.7	N/A	N/A	N/A	N/A	8.1	N/A	N/A	9.2	N/A	8.1	N/A	N/A	8.2	N/A
1992	11	2.1	N/A	N/A	N/A	N/A	1.7	N/A	N/A	2.2	N/A	2.1	N/A	N/A	2.3	N/A
1992	12	-2	N/A	N/A	N/A	N/A	-2	N/A	N/A	-1.9	N/A	-1.9	N/A	N/A	N/A	N/A
1993	1	-6.9	N/A	N/A	N/A	N/A	-6.9	N/A	N/A	-6.7	N/A	-6.6	N/A	N/A	-6.9	N/A
1993	2	-10.1	N/A	N/A	N/A	N/A	-11.8	N/A	N/A	-10.6	N/A	-9.6	N/A	N/A	N/A	N/A
1993	3	-3.3	N/A	N/A	N/A	N/A	-3.3	N/A	N/A	-3.1	N/A	-2.6	N/A	N/A	N/A	N/A
1993	4	3.5	N/A	N/A	N/A	N/A	4.7	N/A	N/A	5.1	N/A	2.9	N/A	N/A	N/A	N/A
1993	5	9.1	N/A	N/A	N/A	N/A	9	N/A	N/A	8.3	N/A	6.9	N/A	N/A	N/A	N/A
1993	6	14.2	N/A	N/A	N/A	N/A	14	N/A	N/A	13.6	N/A	12.8	N/A	N/A	N/A	N/A
1993	7	16.3	N/A	N/A	N/A	N/A	15.8	N/A	N/A	15.3	N/A	15.5	N/A	N/A	N/A	N/A
1993	8	17.6	N/A	N/A	N/A	N/A	17.9	N/A	N/A	17.4	N/A	17.5	N/A	N/A	N/A	N/A
1993	9	15.5	N/A	N/A	N/A	N/A	14.8	N/A	N/A	14.8	N/A	15.3	N/A	N/A	N/A	N/A
1993	10	7.5	N/A	N/A	N/A	N/A	7.2	N/A	N/A	7.8	N/A	7.8	N/A	N/A	N/A	N/A
1993	11	3.5	N/A	N/A	N/A	N/A	3.5	N/A	N/A	3.6	N/A	3.7	N/A	N/A	N/A	N/A
1993	12	-0.5	N/A	N/A	N/A	N/A	-0.3	N/A	N/A	-0.2	N/A	-0.4	N/A	N/A	N/A	N/A
1994	1	-9.1	N/A	N/A	N/A	N/A	-8.9	N/A	N/A	-9.4	N/A	-8.3	N/A	N/A	N/A	N/A
1994	2	-9.9	N/A	N/A	N/A	N/A	-10.2	N/A	N/A	-10.3	N/A	-8.9	N/A	N/A	N/A	N/A
1994	3	-1.8	N/A	N/A	N/A	N/A	-1.8	N/A	N/A	-2.1	N/A	-1.8	N/A	N/A	N/A	N/A
1994	4	3.9	N/A	N/A	N/A	N/A	4.4	N/A	N/A	4.2	N/A	3.7	N/A	N/A	N/A	N/A
1994	5	7.8	N/A	N/A	N/A	N/A	8.1	N/A	N/A	8.3	N/A	8	N/A	N/A	N/A	N/A
1994	6	15	N/A	N/A	N/A	N/A	15.6	N/A	N/A	15.7	N/A	15	N/A	N/A	N/A	N/A
1994	7	20.3	N/A	N/A	N/A	N/A	20.8	N/A	N/A	20.9	N/A	21.1	N/A	N/A	N/A	N/A
1994	8	18.9	N/A	N/A	N/A	N/A	18.3	N/A	N/A	18.7	N/A	19	N/A	N/A	N/A	N/A
1994	9	14.1	N/A	N/A	N/A	N/A	13	N/A	N/A	14.1	N/A	13.8	N/A	N/A	N/A	N/A
1994	10	9.5	N/A	N/A	N/A	N/A	9	N/A	N/A	9.4	N/A	9.2	N/A	N/A	N/A	N/A
1994	11	4.7	N/A	N/A	N/A	N/A	4.5	N/A	N/A	5.5	N/A	5.1	N/A	N/A	N/A	N/A
1994	12	-1	N/A	N/A	N/A	N/A	-1.5	N/A	N/A	-0.3	N/A	-1.1	N/A	N/A	N/A	N/A
1995	1	-2.6	N/A	N/A	N/A	N/A	-2.4	N/A	N/A	-1.8	N/A	-2.8	N/A	N/A	N/A	N/A
1995	2	-6.8	N/A	N/A	N/A	N/A	-7.6	N/A	N/A	-6.7	N/A	-7	N/A	N/A	N/A	N/A
1995	3	-1.7	N/A	N/A	N/A	N/A	-1.9	N/A	N/A	-1.3	N/A	-1.7	N/A	N/A	N/A	N/A
1995	4	2.6	N/A	N/A	N/A	N/A	2	N/A	N/A	2.3	N/A	1.9	N/A	N/A	N/A	N/A
1995	5	7.8	N/A	N/A	N/A	N/A	7.6	N/A	N/A	7.8	N/A	6	N/A	N/A	N/A	N/A
1995	6	15.1	N/A	N/A	N/A	N/A	14.4	N/A	N/A	14.5	N/A	14.1	N/A	N/A	N/A	N/A
1995	7	19.4	N/A	N/A	N/A	N/A	19.6	N/A	N/A	20	N/A	19.4	N/A	N/A	N/A	N/A
1995	8	18.1	N/A	N/A	N/A	N/A	17.8	N/A	N/A	17.5	N/A	18.2	N/A	N/A	N/A	N/A
1995	9	13.3	N/A	N/A	N/A	N/A	12.2	N/A	N/A	13.2	N/A	13.5	N/A	N/A	N/A	N/A
1995	10	11	N/A	N/A	N/A	N/A	10.4	N/A	N/A	11.2	N/A	10.4	N/A	N/A	N/A	N/A

Year	Month	Baddeck (8200300)	Baddeck Bell (8200301)	Northeast Margaree (8204150)	Northeast Margaree (8204151)	Margaree Forks (8203422)	Margaree Forks (8203423)	Frizzleton (8201900)	Cheticamp (8200824)	Cheticamp (8200825)	Cheticamp CS (8200827)	Ingonish Beach (8202500)	Ingonish Beach RCS (8202502)	St Paul Island (8204900)	Port Hood (8204500)	Port Hastings (8204480)
1995	11	4.3	N/A	N/A	N/A	N/A	4.2	N/A	N/A	4.5	N/A	3.8	N/A	N/A	N/A	N/A
1995	12	-1.9	N/A	N/A	N/A	N/A	-2.1	N/A	N/A	-1.4	N/A	-1.7	N/A	N/A	N/A	N/A
1996	1	-4.6	N/A	N/A	N/A	N/A	-5	N/A	N/A	-3.7	N/A	-4	N/A	N/A	N/A	N/A
1996	2	-3.8	N/A	N/A	N/A	N/A	-3.8	N/A	N/A	-3.3	N/A	-3.6	N/A	N/A	N/A	N/A
1996	3	-1.8	N/A	N/A	N/A	N/A	-2.4	N/A	N/A	-1.8	N/A	-2.5	N/A	N/A	N/A	N/A
1996	4	3.7	N/A	N/A	N/A	N/A	3.5	N/A	N/A	3.4	N/A	2.8	N/A	N/A	N/A	N/A
1996	5	7.7	N/A	N/A	N/A	N/A	7.8	N/A	N/A	8.2	N/A	6.9	N/A	N/A	N/A	N/A
1996	6	14.6	N/A	N/A	N/A	N/A	14.5	N/A	N/A	14.9	N/A	14.3	N/A	N/A	N/A	N/A
1996	7	17.5	N/A	N/A	N/A	N/A	18.4	N/A	N/A	18.8	N/A	18.7	N/A	N/A	N/A	N/A
1996	8	18.9	N/A	N/A	N/A	N/A	18.2	N/A	N/A	18.5	N/A	18.9	N/A	N/A	N/A	N/A
1996	9	14.3	N/A	N/A	N/A	N/A	13.5	N/A	N/A	13.8	N/A	14	N/A	N/A	N/A	N/A
1996	10	7.8	N/A	N/A	N/A	N/A	7.5	N/A	N/A	8.4	N/A	7.9	N/A	N/A	N/A	N/A
1996	11	3.5	N/A	N/A	N/A	N/A	3.2	N/A	N/A	3.8	N/A	3.4	N/A	N/A	N/A	N/A
1996	12	1.7	N/A	N/A	N/A	N/A	1.5	N/A	N/A	2.5	N/A	2.1	N/A	N/A	N/A	N/A
1997	1	-4.6	N/A	N/A	N/A	N/A	-4.9	N/A	N/A	-4	N/A	-4.1	N/A	N/A	N/A	N/A
1997	2	-6.2	N/A	N/A	N/A	N/A	-7.5	N/A	N/A	-6.5	N/A	-6.4	N/A	N/A	N/A	N/A
1997	3	-5.5	N/A	N/A	N/A	N/A	-5.9	N/A	N/A	-4.8	N/A	-5.1	N/A	N/A	N/A	N/A
1997	4	2	N/A	N/A	N/A	N/A	0.8	N/A	N/A	0.8	N/A	1.2	N/A	N/A	N/A	N/A
1997	5	7.6	N/A	N/A	N/A	N/A	8	N/A	N/A	8.2	N/A	7.1	N/A	N/A	N/A	N/A
1997	6	12.7	N/A	N/A	N/A	N/A	12.9	N/A	N/A	13.4	N/A	12.3	N/A	N/A	N/A	N/A
1997	7	18.4	N/A	N/A	N/A	N/A	18.5	N/A	N/A	18.8	N/A	18.7	N/A	N/A	N/A	N/A
1997	8	17.7	N/A	N/A	N/A	N/A	17.1	N/A	N/A	17.3	N/A	17.4	N/A	N/A	N/A	N/A
1997	9	14.7	N/A	N/A	N/A	N/A	13.9	N/A	N/A	15.1	N/A	14.6	N/A	N/A	N/A	N/A
1997	10	7.8	N/A	N/A	N/A	N/A	7.1	N/A	N/A	7.7	N/A	7.6	N/A	N/A	N/A	N/A
1997	11	3.5	N/A	N/A	N/A	N/A	3.4	N/A	N/A	4.2	N/A	3.2	N/A	N/A	N/A	N/A
1997	12	-1.2	N/A	N/A	N/A	N/A	-1.6	N/A	N/A	-0.6	N/A	-0.9	N/A	N/A	N/A	N/A
1998	1	-4.1	N/A	N/A	N/A	N/A	-4.7	N/A	N/A	-3.1	N/A	-3.9	N/A	N/A	N/A	N/A
1998	2	-2.7	N/A	N/A	N/A	N/A	-3.1	N/A	N/A	-2.4	N/A	-3.3	N/A	N/A	N/A	N/A
1998	3	0.7	N/A	N/A	N/A	N/A	0.5	N/A	N/A	1.2	N/A	0.3	N/A	N/A	N/A	N/A
1998	4	4.3	N/A	N/A	N/A	N/A	3.9	N/A	N/A	N/A	N/A	3.4	N/A	N/A	N/A	N/A
1998	5	10.8	N/A	N/A	N/A	N/A	11.5	N/A	N/A	12.2	N/A	9.4	N/A	N/A	N/A	N/A
1998	6	13.8	N/A	N/A	N/A	N/A	14.6	N/A	N/A	N/A	15	13.2	N/A	N/A	N/A	N/A
1998	7	18.6	N/A	N/A	N/A	N/A	19.1	N/A	N/A	N/A	19.2	19	N/A	N/A	N/A	N/A
1998	8	19	N/A	N/A	N/A	N/A	17.8	N/A	N/A	N/A	18.2	19.5	N/A	N/A	N/A	N/A
1998	9	14.8	N/A	N/A	N/A	N/A	14.1	N/A	N/A	N/A	14.6	14.9	N/A	N/A	N/A	N/A
1998	10	9.1	N/A	N/A	N/A	N/A	8.5	N/A	N/A	N/A	9.1	8.8	N/A	N/A	N/A	N/A
1998	11	3.5	N/A	N/A	N/A	N/A	3.3	N/A	N/A	N/A	3.3	3.1	N/A	N/A	N/A	N/A
1998	12	-1	N/A	N/A	N/A	N/A	-1	N/A	N/A	N/A	-0.5	-0.8	N/A	N/A	N/A	N/A
1999	1	-3.9	N/A	N/A	N/A	N/A	-3.7	N/A	N/A	N/A	-3.4	-3.6	N/A	N/A	N/A	N/A
1999	2	-2.5	N/A	N/A	N/A	N/A	-3.5	N/A	N/A	N/A	-3	-2.3	N/A	N/A	N/A	N/A
1999	3	2.5	N/A	N/A	N/A	N/A	2.3	N/A	N/A	N/A	2.8	1.7	N/A	N/A	N/A	N/A
1999	4	3.7	N/A	N/A	N/A	N/A	2.9	N/A	N/A	N/A	2.8	2.9	N/A	N/A	N/A	N/A
1999	5	12	N/A	N/A	N/A	N/A	12.2	N/A	N/A	N/A	12.2	11.3	N/A	N/A	N/A	N/A
1999	6	16.9	N/A	N/A	N/A	N/A	16.6	N/A	N/A	N/A	16.9	17.2	N/A	N/A	N/A	N/A
1999	7	19.6	N/A	N/A	N/A	N/A	19.6	N/A	N/A	N/A	19.2	19.3	N/A	N/A	N/A	N/A
1999	8	19.7	N/A	N/A	N/A	N/A	18.8	N/A	N/A	N/A	18.7	19.3	N/A	N/A	N/A	N/A
1999	9	18.5	N/A	N/A	N/A	N/A	17.7	N/A	N/A	N/A	18.1	18.1	N/A	N/A	N/A	N/A
1999	10	8.1	N/A	N/A	N/A	N/A	8	N/A	N/A	N/A	8.5	8.2	N/A	N/A	N/A	N/A

Year	Month	Baddeck (8200300)	Baddeck Bell (8200301)	Northeast Margaree (8204150)	Northeast Margaree (8204151)	Margaree Forks (8203422)	Margaree Forks (8203423)	Frizzleton (8201900)	Cheticamp (8200824)	Cheticamp (8200825)	Cheticamp CS (8200827)	Ingonish Beach (8202500)	Ingonish Beach RCS (8202502)	St Paul Island (8204900)	Port Hood (8204500)	Port Hastings (8204480)
1999	11	4.5	N/A	N/A	N/A	N/A	4.4	N/A	N/A	N/A	5	4.6	N/A	N/A	N/A	N/A
1999	12	0.7	N/A	N/A	N/A	N/A	0.6	N/A	N/A	N/A	1	1.3	N/A	N/A	N/A	N/A
2000	1	-3.7	N/A	N/A	N/A	N/A	-3.8	N/A	N/A	N/A	-2.8	-3.1	N/A	N/A	N/A	N/A
2000	2	N/A	N/A	N/A	N/A	N/A	-5.6	N/A	N/A	N/A	-4.1	-4	N/A	N/A	N/A	N/A
2000	3	N/A	N/A	N/A	N/A	N/A	0.8	N/A	N/A	N/A	1.2	0.8	N/A	N/A	N/A	N/A
2000	4	N/A	N/A	N/A	N/A	N/A	4.4	N/A	N/A	N/A	4.4	3.9	N/A	N/A	N/A	N/A
2000	5	N/A	N/A	N/A	N/A	N/A	7.5	N/A	N/A	N/A	7.3	7.1	N/A	N/A	N/A	N/A
2000	6	N/A	N/A	N/A	N/A	N/A	13.8	N/A	N/A	N/A	14.2	13.6	N/A	N/A	N/A	N/A
2000	7	N/A	17.7	N/A	N/A	N/A	17.5	N/A	N/A	N/A	17.9	N/A	N/A	N/A	N/A	N/A
2000	8	N/A	18.7	N/A	N/A	N/A	19	N/A	N/A	N/A	19	N/A	N/A	N/A	N/A	N/A
2000	9	N/A	13.8	N/A	N/A	N/A	13.6	N/A	N/A	N/A	14.4	N/A	N/A	N/A	N/A	N/A
2000	10	N/A	9.8	N/A	N/A	N/A	9	N/A	N/A	N/A	9.9	N/A	N/A	N/A	N/A	N/A
2000	11	N/A	5.3	N/A	N/A	N/A	5.4	N/A	N/A	N/A	6.1	N/A	N/A	N/A	N/A	N/A
2000	12	N/A	-1.8	N/A	N/A	N/A	-1.7	N/A	N/A	N/A	-1.5	N/A	N/A	N/A	N/A	N/A
2001	1	N/A	-5.2	N/A	N/A	N/A	-5.7	N/A	N/A	N/A	-4.2	N/A	N/A	N/A	N/A	N/A
2001	2	N/A	-6.8	N/A	N/A	N/A	-6.7	N/A	N/A	N/A	-5.7	N/A	N/A	N/A	N/A	N/A
2001	3	N/A	-1.5	N/A	N/A	N/A	-2.2	N/A	N/A	N/A	-1.6	N/A	N/A	N/A	N/A	N/A
2001	4	N/A	2	N/A	N/A	N/A	1.4	N/A	N/A	N/A	1.9	N/A	N/A	N/A	N/A	N/A
2001	5	N/A	9.4	N/A	N/A	N/A	9.9	N/A	N/A	N/A	9.8	N/A	N/A	N/A	N/A	N/A
2001	6	N/A	15.1	N/A	N/A	N/A	15.1	N/A	N/A	N/A	15.2	N/A	N/A	N/A	N/A	N/A
2001	7	N/A	18	N/A	N/A	N/A	18.5	N/A	N/A	N/A	18.4	N/A	N/A	N/A	N/A	N/A
2001	8	N/A	20.6	N/A	N/A	N/A	19.8	N/A	N/A	N/A	20	N/A	N/A	N/A	N/A	N/A
2001	9	N/A	16.3	N/A	N/A	N/A	15.4	N/A	N/A	N/A	16	N/A	N/A	N/A	N/A	N/A
2001	10	N/A	11	N/A	N/A	N/A	10.2	N/A	N/A	N/A	11.2	N/A	N/A	N/A	N/A	N/A
2001	11	N/A	4.1	N/A	N/A	N/A	4.5	N/A	N/A	N/A	5.2	N/A	N/A	N/A	N/A	N/A
2001	12	N/A	0.5	N/A	N/A	N/A	0.7	N/A	N/A	N/A	1.1	N/A	N/A	N/A	N/A	N/A
2002	1	N/A	-4.1	N/A	N/A	N/A	-4.2	N/A	N/A	N/A	-3.8	N/A	N/A	N/A	N/A	N/A
2002	2	N/A	-3.9	N/A	N/A	N/A	-3.6	N/A	N/A	N/A	-4	N/A	N/A	N/A	N/A	N/A
2002	3	N/A	-1.8	N/A	N/A	N/A	-1.1	N/A	N/A	N/A	-0.4	N/A	N/A	N/A	N/A	N/A
2002	4	N/A	3.2	N/A	N/A	N/A	3.2	N/A	N/A	N/A	3.3	N/A	N/A	N/A	N/A	N/A
2002	5	N/A	8.8	N/A	N/A	N/A	9.2	N/A	N/A	N/A	9.5	N/A	N/A	N/A	N/A	N/A
2002	6	N/A	12.2	N/A	N/A	N/A	12.6	N/A	N/A	N/A	12.7	N/A	N/A	N/A	N/A	N/A
2002	7	N/A	17	N/A	N/A	N/A	17.7	N/A	N/A	N/A	18.2	N/A	N/A	N/A	N/A	N/A
2002	8	N/A	19.9	N/A	N/A	N/A	18.6	N/A	N/A	N/A	19.5	N/A	N/A	N/A	N/A	N/A
2002	9	N/A	15.2	N/A	N/A	N/A	15.1	N/A	N/A	N/A	15.5	N/A	N/A	N/A	N/A	N/A
2002	10	N/A	7.5	N/A	N/A	N/A	7.3	N/A	N/A	N/A	7.9	N/A	N/A	N/A	N/A	N/A
2002	11	N/A	2.9	N/A	N/A	N/A	3.3	N/A	N/A	N/A	3.7	N/A	N/A	N/A	N/A	N/A
2002	12	N/A	-1.9	N/A	N/A	N/A	-1.6	N/A	N/A	N/A	-1.1	N/A	N/A	N/A	N/A	N/A
2003	1	N/A	-7.1	N/A	N/A	N/A	-7.4	N/A	N/A	N/A	-5.7	N/A	N/A	N/A	N/A	N/A
2003	2	N/A	-8	N/A	N/A	N/A	-7.9	N/A	N/A	N/A	-7.5	N/A	N/A	N/A	N/A	N/A
2003	3	N/A	-3.9	N/A	N/A	N/A	-3.4	N/A	N/A	N/A	-2.7	N/A	N/A	N/A	N/A	N/A
2003	4	N/A	1.6	N/A	N/A	N/A	2.6	N/A	N/A	N/A	2.1	N/A	N/A	N/A	N/A	N/A
2003	5	N/A	8.6	N/A	N/A	N/A	8.4	N/A	N/A	N/A	8.5	N/A	N/A	N/A	N/A	N/A
2003	6	N/A	14.4	N/A	N/A	N/A	15	N/A	N/A	N/A	15.3	N/A	N/A	N/A	N/A	N/A
2003	7	N/A	19.6	N/A	N/A	N/A	19.9	N/A	N/A	N/A	20.2	N/A	N/A	N/A	N/A	N/A
2003	8	N/A	18.1	N/A	N/A	N/A	18.3	N/A	N/A	N/A	18.5	N/A	N/A	N/A	N/A	N/A
2003	9	N/A	16.8	N/A	N/A	N/A	15.6	N/A	N/A	N/A	16.3	N/A	N/A	N/A	N/A	N/A
2003	10	N/A	11.4	N/A	N/A	N/A	11.1	N/A	N/A	N/A	11.6	N/A	N/A	N/A	N/A	N/A

Year	Month	Baddeck (8200300)	Baddeck Bell (8200301)	Northeast Margaree (8204150)	Northeast Margaree (8204151)	Margaree Forks (8203422)	Margaree Forks (8203423)	Frizzleton (8201900)	Cheticamp (8200824)	Cheticamp (8200825)	Cheticamp CS (8200827)	Ingonish Beach (8202500)	Ingonish Beach RCS (8202502)	St Paul Island (8204900)	Port Hood (8204500)	Port Hastings (8204480)
2003	11	N/A	4.7	N/A	N/A	N/A	4.8	N/A	N/A	N/A	5.2	N/A	N/A	N/A	N/A	N/A
2003	12	N/A	0.6	N/A	N/A	N/A	0.9	N/A	N/A	N/A	1.4	N/A	N/A	N/A	N/A	N/A
2004	1	N/A	-8.1	N/A	N/A	N/A	-7.7	N/A	N/A	N/A	-7.1	N/A	-6.7	N/A	N/A	N/A
2004	2	N/A	-5.5	N/A	N/A	N/A	-6.8	N/A	N/A	N/A	-5.4	N/A	-4.5	N/A	N/A	N/A
2004	3	N/A	-2.2	N/A	N/A	N/A	-2.8	N/A	N/A	N/A	-1.6	N/A	-1	N/A	N/A	N/A
2004	4	N/A	3.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	5.2	N/A	3.5	N/A	N/A	N/A
2004	5	N/A	7.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8.7	N/A	8.4	N/A	N/A	N/A
2004	6	N/A	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	11.9	N/A	12.4	N/A	N/A	N/A
2004	7	N/A	18.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	19.5	N/A	19.3	N/A	N/A	N/A
2004	8	N/A	19.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	19.6	N/A	20.7	N/A	N/A	N/A
2004	9	N/A	14.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	13.8	N/A	14.7	N/A	N/A	N/A
2004	10	N/A	10.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	10.6	N/A	10.1	N/A	N/A	N/A
2004	11	N/A	3.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4	N/A	4.9	N/A	N/A	N/A
2004	12	N/A	-1.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	-0.6	N/A	N/A	N/A
2005	1	N/A	-6.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-5.4	N/A	-5.4	N/A	N/A	N/A
2005	2	N/A	-4.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-4	N/A	-3.8	N/A	N/A	N/A
2005	3	N/A	-2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-1.7	N/A	-1.2	N/A	N/A	N/A
2005	4	N/A	4.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6	N/A	3.5	N/A	N/A	N/A
2005	5	N/A	7.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	9.3	N/A	7.1	N/A	N/A	N/A
2005	6	N/A	15.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	15.1	N/A	14.7	N/A	N/A	N/A
2005	7	N/A	18.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18.4	N/A	18.7	N/A	N/A	N/A
2005	8	N/A	19	N/A	N/A	N/A	N/A	N/A	N/A	N/A	19.2	N/A	20.4	N/A	N/A	N/A
2005	9	N/A	16.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	15.8	N/A	16.8	N/A	N/A	N/A
2005	10	N/A	10.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	10.6	N/A	10.8	N/A	N/A	N/A
2005	11	N/A	5.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6.5	N/A	5.9	N/A	N/A	N/A
2005	12	N/A	-0.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.8	N/A	0.1	N/A	N/A	N/A
2006	1	N/A	-0.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	-0.3	N/A	N/A	N/A
2006	2	N/A	-4.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-3.6	N/A	-3.7	N/A	N/A	N/A
2006	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-1.3	N/A	0.1	N/A	N/A	N/A
2006	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	5.9	N/A	5.1	N/A	N/A	N/A
2006	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	12.2	N/A	9.9	N/A	N/A	N/A
2006	6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18.3	N/A	17.3	N/A	N/A	N/A
2006	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	20.6	N/A	21.6	N/A	N/A	N/A
2006	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	17.1	N/A	18.2	N/A	N/A	N/A
2006	9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	15.3	N/A	16.1	N/A	N/A	N/A
2006	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	10.1	N/A	10.2	N/A	N/A	N/A
2006	11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	7	N/A	7.3	N/A	N/A	N/A
2006	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.8	N/A	0.8	N/A	N/A	N/A
2007	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-2.5	N/A	-2.1	N/A	N/A	N/A
2007	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-7.6	N/A	-6.6	N/A	N/A	N/A
2007	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-1.4	N/A	-0.8	N/A	N/A	N/A
2007	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2.4	N/A	2.6	N/A	N/A	N/A
2007	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	N/A	8.3	N/A	N/A	N/A
2007	6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	14.9	N/A	13.9	N/A	N/A	N/A
2007	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	19.6	N/A	20.2	N/A	N/A	N/A
2007	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2007	9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2007	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Year	Month	Baddeck (8200300)	Baddeck Bell (8200301)	Northeast Margaree (8204150)	Northeast Margaree (8204151)	Margaree Forks (8203422)	Margaree Forks (8203423)	Frizzleton (8201900)	Cheticamp (8200824)	Cheticamp (8200825)	Cheticamp CS (8200827)	Ingonish Beach (8202500)	Ingonish Beach RCS (8202502)	St Paul Island (8204900)	Port Hood (8204500)	Port Hastings (8204480)
2007	11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2007	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2008	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2008	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2008	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2008	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2008	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2008	6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2008	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2008	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2008	9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2008	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2008	11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2008	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2009	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2009	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2009	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2009	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2009	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2009	6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2009	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2009	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2009	9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2009	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2009	11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2009	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2010	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2010	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2010	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2010	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2010	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2010	6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2010	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2010	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2010	9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2010	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2010	11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2010	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2011	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2011	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2011	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2011	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2011	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2011	6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2011	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2011	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2011	9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2011	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Year	Month	Baddeck (8200300)	Baddeck Bell (8200301)	Northeast Margaree (8204150)	Northeast Margaree (8204151)	Margaree Forks (8203422)	Margaree Forks (8203423)	Frizzleton (8201900)	Cheticamp (8200824)	Cheticamp (8200825)	Cheticamp CS (8200827)	Ingonish Beach (8202500)	Ingonish Beach RCS (8202502)	St Paul Island (8204900)	Port Hood (8204500)	Port Hastings (8204480)
2011	11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2011	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2012	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2012	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2012	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2012	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2012	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2012	6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2012	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2012	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2012	9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2012	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2012	11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2012	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2013	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2013	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2013	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2013	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2013	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2013	6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2013	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2013	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2013	9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2013	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2013	11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2013	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2014	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2014	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2014	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2014	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2014	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2014	6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2014	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2014	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2014	9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2014	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2014	11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2014	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2015	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2015	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2015	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2015	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2015	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2015	6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2015	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2015	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2015	9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2015	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Year	Month	Baddeck (8200300)	Baddeck Bell (8200301)	Northeast Margaree (8204150)	Northeast Margaree (8204151)	Margaree Forks (8203422)	Margaree Forks (8203423)	Frizzleton (8201900)	Cheticamp (8200824)	Cheticamp (8200825)	Cheticamp CS (8200827)	Ingonish Beach (8202500)	Ingonish Beach RCS (8202502)	St Paul Island (8204900)	Port Hood (8204500)	Port Hastings (8204480)
2015	11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2015	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

c) Monthly oscillation indices and external forcings raw data

Year	Month	Atlantic Multidecadal Oscillation	Arctic Oscillation	North Atlantic Oscillation	Niño 3.4	Pacific Decadal Oscillation	Sunspot Number	Optical Depth (North America)	Greenhouse Gas
1900	1	0.148149	-0.73	1.38	1.256	-0.97265	17.9	0.0002	0.060
1900	2	0.051442	-2.6	-2.36	1.241	-0.96944	17.6	0.0002	0.060
1900	3	-0.04813	-1.7	-3.12	0.802	-0.79654	17.7	0.0002	0.060
1900	4	0.05612	0.62	2.61	0.752	2.246099	17.7	0.0002	0.060
1900	5	-0.45963	0.37	-0.57	0.692	-0.09192	17.5	0.0002	0.060
1900	6	-0.28718	-0.21	-1.23	0.605	-0.17802	16.5	0.0002	0.060
1900	7	-0.19554	-0.16	-0.21	0.477	-0.54496	15.2	0.0002	0.060
1900	8	-0.24521	-0.04	-0.06	0.444	-0.09737	13.7	0.0002	0.060
1900	9	-0.19534	1.22	0.98	0.284	-0.57793	12.7	0.0002	0.060
1900	10	-0.14691	0.39	-0.57	0.327	-0.14062	11.3	0.0002	0.060
1900	11	-0.14545	-0.27	0.65	0.116	0.075185	9.8	0.0002	0.060
1900	12	-0.24914	0.79	3.5	0.4	-0.11363	9	0.0002	0.060
1901	1	-0.13435	1.08	0.98	0.516	0.321938	8.1	0.0002	0.066
1901	2	-0.07016	-1.09	-2.58	0.271	0.74857	7.3	0.0002	0.066
1901	3	-0.41033	0.21	-0.91	-0.118	0.344895	6.5	0.0002	0.066
1901	4	-0.43808	0.72	2.53	-0.098	-0.79523	5.4	0.0002	0.066
1901	5	-0.28993	-0.27	-0.71	-0.318	-1.74631	4.7	0.0002	0.066
1901	6	-0.22848	0.25	0.21	-0.285	-1.67292	4.6	0.0002	0.066
1901	7	-0.29174	-0.08	-1.83	-0.393	-2.40416	5	0.0002	0.066
1901	8	-0.08551	0.13	1.14	-0.326	-1.11487	5.2	0.0002	0.066
1901	9	0.054161	-0.09	-0.09	-0.436	-0.43397	5.5	0.0002	0.066
1901	10	-0.00631	-0.45	-0.47	-0.403	-0.25664	6.1	0.0002	0.066
1901	11	-0.20715	-0.05	-1.73	-0.564	-0.15329	5.6	0.0002	0.066
1901	12	-0.20834	-1.12	-1.38	-0.61	0.568551	4.8	0.0002	0.066
1902	1	-0.10435	0.52	1.41	-0.174	1.344089	4.5	0.0038	0.071
1902	2	-0.15926	-1.5	-1.4	0.211	0.763578	4.6	0.0057	0.071
1902	3	-0.12463	0.15	0.5	0.302	0.2944	5.2	0.0087	0.071
1902	4	-0.32128	-1.35	-1.14	0.392	0.171629	6.5	0.0118	0.071
1902	5	-0.31963	-0.58	0.54	0.632	0.986561	7.8	0.0148	0.071
1902	6	-0.44438	-1.51	-3.25	0.845	1.946963	8.4	0.0136	0.071
1902	7	-0.40744	-0.57	-1.24	1.477	2.528322	8.6	0.0125	0.071
1902	8	-0.20511	-0.95	-0.18	1.544	1.444379	10	0.0113	0.071
1902	9	-0.08484	-0.32	-1.51	1.424	0.153198	11.3	0.0221	0.071
1902	10	0.131086	0.09	-0.12	1.577	0.149857	13.1	0.0368	0.071
1902	11	0.119552	-0.31	-0.09	1.676	-0.24715	15.8	0.0527	0.071
1902	12	-0.14954	0.66	1.27	1.62	0.199003	17.6	0.0653	0.071
1903	1	-0.28655	0.79	1.28	1.496	-0.43191	20.5	0.0705	0.076
1903	2	-0.26876	3.51	4.86	1.341	0.001923	24.2	0.0808	0.076
1903	3	-0.28273	1.93	4.05	0.952	-0.02196	26.3	0.0896	0.076
1903	4	-0.25138	-0.67	-0.79	0.582	-1.42415	28.1	0.0931	0.076
1903	5	-0.43013	0.01	0.14	0.182	-0.35612	32.1	0.0872	0.076
1903	6	-0.63578	-1.74	-2.8	0.025	-0.30597	37.6	0.0801	0.076
1903	7	-0.69854	-0.53	0.43	-0.263	-0.01596	42.3	0.0784	0.076
1903	8	-0.74381	-0.18	3.67	-0.356	0.041948	44.4	0.066	0.076
1903	9	-0.56404	0.05	0.22	-0.716	-0.12815	46.6	0.0636	0.076
1903	10	-0.66261	-0.45	-0.55	-0.633	-0.18338	49.4	0.0588	0.076
1903	11	-0.41445	0.39	1.04	-0.994	-0.97089	52.3	0.0562	0.076
1903	12	-0.52484	-0.77	-1.09	-1.28	-0.79231	55.8	0.0537	0.076

Year	Month	Atlantic Multidecadal Oscillation	Arctic Oscillation	North Atlantic Oscillation	Niño 3.4	Pacific Decadal Oscillation	Sunspot Number	Optical Depth (North America)	Greenhouse Gas
1904	1	-0.34095	1.39	2.24	-0.984	0.004676	59.1	0.0503	0.082
1904	2	-0.41266	0.3	1.21	-0.779	0.285088	62.7	0.0453	0.082
1904	3	-0.47303	-0.14	-0.7	-0.578	0.81362	66.1	0.0429	0.082
1904	4	-0.31628	1.28	2.64	-0.318	0.079586	68.5	0.0379	0.082
1904	5	-0.15933	0.46	1.75	-0.078	0.328293	69.1	0.0341	0.082
1904	6	-0.43988	-0.31	-0.87	0.155	-0.46638	69.3	0.031	0.082
1904	7	-0.33224	-0.21	-0.04	0.237	-1.92565	71.5	0.0273	0.082
1904	8	-0.26501	-0.64	0.61	0.344	-0.02388	77.4	0.0235	0.082
1904	9	-0.38654	-0.51	-0.43	0.084	2.303174	83	0.0201	0.082
1904	10	-0.50141	-0.28	0.04	0.467	1.22878	84.1	0.0196	0.082
1904	11	-0.45515	0.21	0.07	0.546	1.258095	84.4	0.0188	0.082
1904	12	-0.37904	0.29	0.88	0.82	0.729588	85.5	0.0179	0.082
1905	1	-0.48455	1.85	1.81	1.156	1.985456	87.6	0.017	0.088
1905	2	-0.31406	0.9	2.09	1.221	-1.24549	89.1	0.0162	0.088
1905	3	-0.35873	0.22	2.23	1.212	-0.25168	90.9	0.0154	0.088
1905	4	-0.24248	-1.47	-1.17	1.032	1.380963	94.4	0.0145	0.088
1905	5	-0.26803	0.7	-0.72	1.182	1.416432	100.9	0.013	0.088
1905	6	-0.32158	-0.06	-2.29	1.205	1.37102	105.7	0.0121	0.088
1905	7	-0.22274	0.03	-0.05	1.237	0.75096	105.1	0.0106	0.088
1905	8	-0.51631	-0.46	0.97	1.324	1.544095	100.7	0.0091	0.088
1905	9	-0.68524	0	-0.19	1.424	0.768935	97.5	0.0083	0.088
1905	10	-0.47791	-0.94	-3.1	1.367	-0.82892	99.1	0.0085	0.088
1905	11	-0.40755	-0.18	-0.25	1.276	0.742893	100.9	0.008	0.088
1905	12	-0.41044	0.97	1.85	1.31	-0.075	102.6	0.0081	0.088
1906	1	-0.09555	0.41	2.64	1.196	1.266442	105.7	0.0083	0.093
1906	2	0.050442	-0.69	1.26	0.871	0.554556	107.1	0.0088	0.093
1906	3	-0.15953	0.35	-0.25	0.612	-0.58182	106.4	0.0063	0.093
1906	4	-0.21118	0.58	1.67	0.522	-0.38125	102.2	0.0062	0.093
1906	5	-0.29453	-1.18	-1.75	0.092	0.870684	93.2	0.006	0.093
1906	6	-0.07758	-1.03	-1.68	0.285	0.685695	89.1	0.0055	0.093
1906	7	-0.11654	-0.24	1.29	0.117	0.612633	91.9	0.0051	0.093
1906	8	-0.22571	-0.91	0.38	-0.326	0.184499	99.4	0.0121	0.093
1906	9	-0.25604	-0.13	-1.33	-0.546	0.086615	104.5	0.0111	0.093
1906	10	-0.26031	-0.15	0.4	-0.743	0.993026	104	0.0103	0.093
1906	11	-0.03485	-2.06	0.7	-0.824	0.329628	102.8	0.0095	0.093
1906	12	-0.26864	0.16	0.03	-0.67	-0.27351	100.2	0.0087	0.093
1907	1	-0.20555	0.42	1.58	-0.574	-1.0496	94.9	0.008	0.098
1907	2	-0.15416	0.67	1.22	-0.449	-1.65949	91.6	0.0079	0.098
1907	3	-0.10333	1.75	2.41	-0.418	-3.18561	94	0.0115	0.098
1907	4	0.05112	-0.25	1.08	-0.128	-2.4634	99.4	0.0149	0.098
1907	5	-0.27563	-1.14	-1.42	0.192	0.154983	104.2	0.0186	0.098
1907	6	-0.30838	-0.76	0.76	0.475	0.355517	104.6	0.0189	0.098
1907	7	-0.25784	-1.2	-0.55	0.457	0.569313	100.8	0.0192	0.098
1907	8	-0.32831	-0.3	2.22	0.274	0.397535	93.1	0.0196	0.098
1907	9	-0.10444	-0.36	0.24	0.004	0.801531	85.7	0.0181	0.098
1907	10	-0.19431	-0.91	-1.59	-0.153	1.81503	83.8	0.0166	0.098
1907	11	-0.10605	-0.45	-0.41	-0.574	1.588687	84	0.0153	0.098
1907	12	-0.04614	-0.96	1.18	-0.23	1.791216	84.4	0.0193	0.098
1908	1	-0.05645	1.07	0.64	-0.124	1.720782	84.3	0.0236	0.104
1908	2	-0.08386	0.29	1.98	0.081	1.210314	86.1	0.0279	0.104

Year	Month	Atlantic Multidecadal Oscillation	Arctic Oscillation	North Atlantic Oscillation	Niño 3.4	Pacific Decadal Oscillation	Sunspot Number	Optical Depth (North America)	Greenhouse Gas
1908	3	-3.3E-05	0.27	0.74	-0.688	0.040266	88.7	0.0257	0.104
1908	4	-0.26138	-0.42	-1.75	-0.728	-0.31724	86.6	0.0236	0.104
1908	5	-0.14183	0.54	1.92	-0.568	-0.10783	83.2	0.0218	0.104
1908	6	0.203421	-0.35	0.83	-0.545	0.261726	81.5	0.02	0.104
1908	7	0.437165	-0.51	0.09	-0.813	0.336644	82.2	0.0184	0.104
1908	8	0.22779	-0.15	0.6	-0.446	0.491079	84.3	0.0169	0.104
1908	9	0.030361	0.22	0.98	-0.756	0.391828	87.8	0.0156	0.104
1908	10	-0.00241	-0.33	0.24	-0.843	0.554001	88.6	0.0144	0.104
1908	11	-0.05905	-0.54	-0.21	-1.164	0.988773	86.5	0.0132	0.104
1908	12	-0.04484	-0.08	1.47	-1.23	0.759304	84.4	0.0122	0.104
1909	1	0.078749	0.55	1.82	-0.904	0.204043	82.4	0.0112	0.109
1909	2	-0.08486	-0.38	-0.54	-0.699	0.464731	77.4	0.0105	0.109
1909	3	-0.09283	-2.69	-2.09	-0.838	0.511921	69.4	0.0096	0.109
1909	4	-0.12238	0.22	0.06	-0.538	-0.2405	67.9	0.0089	0.109
1909	5	-0.05833	-1.18	-0.92	-0.428	-0.65687	70.4	0.0082	0.109
1909	6	-0.20558	-0.63	-1.35	-0.475	-0.68012	72.1	0.0076	0.109
1909	7	-0.28384	0.44	2.59	-0.393	-1.89764	71	0.007	0.109
1909	8	-0.16561	0.66	2.35	-0.226	-2.25652	67.9	0.0064	0.109
1909	9	-0.00424	-0.66	-1.29	-0.826	-1.98335	63.7	0.0059	0.109
1909	10	0.043286	-0.79	0.59	-1.223	-0.19432	58.9	0.0055	0.109
1909	11	-0.32705	-0.43	-1.97	-1.554	-0.6269	56.3	0.005	0.109
1909	12	-0.17784	-1.04	-0.48	-1.4	-2.66042	54.6	0.0046	0.109
1910	1	-0.28845	1.99	2.57	-1.184	-2.2923	52.4	0.0054	0.115
1910	2	-0.10876	0.85	3.85	-1.349	-1.691	50.1	0.0079	0.115
1910	3	-0.07573	-0.01	0.55	-1.308	-1.51172	48.4	0.0076	0.115
1910	4	-0.02568	-0.15	0.08	-1.498	-3.09073	46.2	0.0074	0.115
1910	5	-0.17113	-0.36	-1.5	-1.398	-1.75517	41.2	0.0072	0.115
1910	6	-0.34408	-0.32	-1.07	-1.085	-0.21518	34.4	0.0066	0.115
1910	7	-0.25754	-0.39	-1.64	-0.993	-0.10059	29.4	0.0061	0.115
1910	8	-0.05971	-0.78	0.31	-1.166	-1.18372	26.2	0.0056	0.115
1910	9	0.043361	-0.06	-1.15	-1.146	0.349762	23.7	0.0052	0.115
1910	10	-0.12591	0.4	-1.56	-1.003	-1.40416	23.3	0.0048	0.115
1910	11	0.228952	-3.11	-0.87	-1.164	-0.95598	23	0.0044	0.115
1910	12	0.117758	-0.78	-0.1	-1.06	0.01761	21.4	0.004	0.115
1911	1	0.042149	1.2	0.82	-0.764	-0.87516	20	0.0037	0.121
1911	2	0.006142	1.72	2.05	-0.839	-1.43241	18.7	0.0044	0.121
1911	3	-0.01183	0.64	-1.4	-0.848	-1.93293	16.6	0.0041	0.121
1911	4	-0.21338	0.8	-0.24	-0.798	-0.75775	12.6	0.0038	0.121
1911	5	-0.08863	0.54	0.79	-0.548	-0.59329	10.1	0.0035	0.121
1911	6	0.129421	-0.25	0.42	-0.325	-1.07076	9.8	0.0032	0.121
1911	7	0.251365	-0.58	0.54	-0.173	0.809298	9.3	0.003	0.121
1911	8	0.32499	-0.38	0.13	-0.016	0.954775	8.5	0.0027	0.121
1911	9	0.143961	0.09	1.53	0.104	0.059158	7.7	0.0026	0.121
1911	10	-0.11831	-0.43	-1.88	0.457	-0.02331	6.6	0.0024	0.121
1911	11	-0.27365	0.36	-0.05	0.716	-0.12933	5.5	0.0022	0.121
1911	12	-0.15404	-0.03	3.02	0.76	-0.8428	5.3	0.002	0.121
1912	1	-0.21475	-0.57	-0.91	1.016	-0.52494	5.4	0.0015	0.126
1912	2	-0.35606	-1.01	-0.17	1.061	-0.12309	5.1	0.0033	0.126
1912	3	-0.25773	0.25	2.22	0.652	-0.65263	5.2	0.0036	0.126
1912	4	-0.24168	0.68	-0.1	0.632	-0.40032	5.7	0.004	0.126

Year	Month	Atlantic Multidecadal Oscillation	Arctic Oscillation	North Atlantic Oscillation	Niño 3.4	Pacific Decadal Oscillation	Sunspot Number	Optical Depth (North America)	Greenhouse Gas
1912	5	-0.24373	0.4	1.7	0.442	0.050496	5.6	0.0043	0.126
1912	6	-0.21438	-0.61	-0.98	0.245	0.62365	5.7	0.0295	0.126
1912	7	-0.35934	-0.53	-1.42	-0.123	0.009807	6.1	0.0547	0.126
1912	8	-0.52621	-0.93	0.07	-0.256	-0.16553	6.5	0.08	0.126
1912	9	-0.35064	-1.37	-2.51	-0.436	1.130602	6.4	0.0754	0.126
1912	10	-0.14871	-0.57	0.42	-0.183	0.339451	5.8	0.0712	0.126
1912	11	-0.28275	0.02	1.21	-0.124	0.341562	5.2	0.0673	0.126
1912	12	-0.24354	1.1	3	-0.27	0.392655	4.7	0.0658	0.126
1913	1	-0.23515	0.73	1.83	-0.054	-0.24744	4.3	0.0646	0.130
1913	2	-0.15526	1.05	1.19	0.161	-0.42013	4.2	0.0636	0.130
1913	3	-0.10703	2.88	2.73	-0.228	-0.67631	3.6	0.0586	0.130
1913	4	-0.35738	0.43	1.99	-0.298	-0.75652	2.9	0.0539	0.130
1913	5	-0.27043	0.15	0.38	-0.148	-0.06384	2.8	0.055	0.130
1913	6	-0.46068	0.45	1.03	0.005	0.34682	2.6	0.0507	0.130
1913	7	-0.30044	-0.64	-0.99	0.067	1.184111	2.5	0.0466	0.130
1913	8	-0.30961	-0.55	0.65	0.204	1.572276	2.5	0.0429	0.130
1913	9	-0.24904	-0.8	-2.7	0.034	1.100902	2.6	0.0395	0.130
1913	10	-0.21861	-0.58	-1.48	0.297	0.576257	4	0.0363	0.130
1913	11	-0.30715	1.21	4.62	0.586	0.796207	5.5	0.0334	0.130
1913	12	-0.24074	0.39	1.23	0.72	0.744107	6.6	0.0308	0.130
1914	1	-0.20645	1.5	0.58	0.916	0.506168	7.7	0.0283	0.134
1914	2	-0.31466	1.46	2.45	0.861	0.095019	8.5	0.0267	0.134
1914	3	-0.33943	0.09	1.72	0.632	0.214596	9.8	0.025	0.134
1914	4	-0.32408	1.5	2.08	0.962	1.060977	10.9	0.0233	0.134
1914	5	-0.37333	1.69	2.19	0.872	0.96224	12.4	0.0218	0.134
1914	6	-0.32728	0.5	0.57	0.755	-0.3081	14.8	0.02	0.134
1914	7	-0.54984	-0.42	-1.11	0.757	-0.38263	17.5	0.0184	0.134
1914	8	-0.51611	-0.36	0.97	0.994	-0.71174	21.6	0.0169	0.134
1914	9	-0.14274	-0.06	0.43	0.814	-0.66295	26.8	0.0156	0.134
1914	10	-0.01391	-0.64	-1.1	0.967	-0.4685	31	0.0144	0.134
1914	11	-0.03115	0.33	-1.41	0.936	-0.09587	34.6	0.0132	0.134
1914	12	-0.22054	0.9	2.23	1.02	0.090483	40.5	0.0122	0.134
1915	1	-0.10385	-1.13	0.08	1.246	-0.32189	49.1	0.0112	0.137
1915	2	-0.11556	-0.6	1.82	1.321	-0.18211	58	0.0103	0.137
1915	3	-0.03803	-2.36	-1.91	1.192	0.409013	64.8	0.0095	0.137
1915	4	-0.23818	0.87	2.91	0.912	1.716089	70.5	0.0087	0.137
1915	5	-0.09623	-0.83	-2.47	1.022	2.060481	75.5	0.0081	0.137
1915	6	0.089721	-0.72	-2.3	1.045	2.094372	78.1	0.0074	0.137
1915	7	0.040165	-0.7	-1.19	1.017	1.63348	80.5	0.0068	0.137
1915	8	0.18799	-0.94	-1.29	0.604	0.869075	83	0.0063	0.137
1915	9	0.182161	-1.04	-1.94	0.094	0.318732	85.8	0.0058	0.137
1915	10	0.303886	-1.1	-0.99	0.067	-1.37338	89.9	0.0054	0.137
1915	11	0.208952	-1.71	-2.51	-0.124	-1.22578	94.9	0.0065	0.137
1915	12	0.150958	-1.13	-0.65	-0.46	-0.70493	97.7	0.0062	0.137
1916	1	-0.07235	2.76	3.82	-0.484	-1.2574	96.4	0.0057	0.143
1916	2	0.026142	1.01	2.03	-0.449	-1.418	92.7	0.0053	0.143
1916	3	-0.09323	-2.32	-3.84	-0.658	-1.28433	90	0.0049	0.143
1916	4	0.20862	-0.32	0.77	-0.678	-0.44402	89.5	0.0045	0.143
1916	5	0.203068	-0.33	-0.72	-0.718	-0.11216	91	0.0041	0.143
1916	6	0.353521	-0.79	-3.03	-0.675	-1.05886	93.9	0.0038	0.143

Year	Month	Atlantic Multidecadal Oscillation	Arctic Oscillation	North Atlantic Oscillation	Niño 3.4	Pacific Decadal Oscillation	Sunspot Number	Optical Depth (North America)	Greenhouse Gas
1916	7	0.275265	0.24	-0.69	-0.813	-1.32446	97.2	0.0035	0.143
1916	8	0.05079	0.02	-0.57	-1.046	-2.24694	100.4	0.0033	0.143
1916	9	0.188061	-0.21	-2.59	-1.366	-2.17187	103.4	0.003	0.143
1916	10	0.334986	1.29	2.2	-1.313	-2.10447	105.6	0.0028	0.143
1916	11	0.091652	0.18	-0.58	-1.484	-2.7241	108.5	0.0026	0.143
1916	12	0.188758	-2.48	-1.8	-1.68	-3.3758	114.6	0.0026	0.143
1917	1	-0.06405	-1.17	-3.08	-1.624	-2.62683	122.4	0.0032	0.148
1917	2	-0.01396	0.06	-1.59	-1.189	-2.5087	135.3	0.003	0.148
1917	3	-0.18303	-0.39	-0.21	-1.308	-2.53101	149.5	0.0027	0.148
1917	4	-0.08128	-1.43	-0.92	-0.868	-2.23602	156.8	0.0025	0.148
1917	5	-0.04373	-1.29	-1.59	-0.488	-1.69356	160.4	0.0023	0.148
1917	6	0.003321	0.22	0.81	-0.125	-1.0878	167.9	0.0022	0.148
1917	7	0.051665	-0.03	-0.21	-0.133	-0.80905	174.7	0.002	0.148
1917	8	0.30659	-0.39	-0.39	-0.456	-0.75039	175.7	0.0018	0.148
1917	9	-0.02834	1.38	2.47	-0.836	-1.35627	173.6	0.0017	0.148
1917	10	0.366786	0.34	0.94	-1.063	-2.1881	172.5	0.0016	0.148
1917	11	0.252052	0.64	1.98	-1.244	-1.3991	170.3	0.0015	0.148
1917	12	0.390458	-1.39	-2.8	-1.38	-1.61571	163.8	0.0014	0.148
1918	1	0.146749	-1.86	-0.48	-1.204	-0.77361	159.1	0.002	0.154
1918	2	0.011942	2.84	3.87	-0.869	-1.08253	154.6	0.002	0.154
1918	3	-0.05613	0.72	0.37	-0.578	-1.49041	147.5	0.0026	0.154
1918	4	0.14032	-0.3	-1.91	-0.308	-1.55553	145	0.0024	0.154
1918	5	0.119168	0.73	0.23	-0.058	-1.54305	145	0.0022	0.154
1918	6	0.052821	0.4	1.31	0.235	-0.59654	139.2	0.0021	0.154
1918	7	-0.04434	-1.57	-1.97	0.447	-0.3901	131	0.0019	0.154
1918	8	-0.13531	0.04	1.76	0.504	-0.21822	128.6	0.0017	0.154
1918	9	-0.11124	0.07	-0.17	0.654	0.313056	129.2	0.0016	0.154
1918	10	-0.20601	-0.18	0.56	1.107	1.225273	126.9	0.0015	0.154
1918	11	0.035952	-0.15	0.26	1.116	1.112796	125.7	0.0014	0.154
1918	12	0.136158	-0.22	2.32	1.14	0.149582	130	0.0014	0.154
1919	1	0.118049	-0.86	-0.01	1.326	0.325263	130.6	0.0014	0.158
1919	2	-0.02446	-1.7	-0.49	1.361	-0.14131	125.4	0.002	0.158
1919	3	-0.05373	-0.94	-0.25	1.122	-0.93728	121.4	0.0026	0.158
1919	4	-0.02848	0.31	1.72	0.842	-0.39355	117.4	0.0026	0.158
1919	5	-0.10903	-0.7	1.35	0.482	-0.84817	112.3	0.0024	0.158
1919	6	-0.16238	0.26	1.86	0.435	-1.04123	107.7	0.0022	0.158
1919	7	-0.35784	0	-1.33	0.387	-1.50397	106.2	0.0021	0.158
1919	8	-0.00531	0.38	4.03	0.344	-0.73425	104.6	0.0019	0.158
1919	9	0.113361	0.52	-1.27	0.294	0.046096	103.1	0.0017	0.158
1919	10	0.091786	-1.26	-2.24	0.187	-0.66736	100.8	0.0016	0.158
1919	11	0.124752	-1.47	-2.07	0.286	-1.39756	94.4	0.0015	0.158
1919	12	0.094458	0.49	2.86	0.56	-1.25718	85.6	0.0014	0.158
1920	1	-0.23895	1.26	2.84	0.716	-1.39517	78	0.0013	0.163
1920	2	-0.11426	1.56	1.39	0.851	-1.60927	71.9	0.0012	0.163
1920	3	-0.14953	2.72	3.08	0.662	-1.098	67.2	0.0011	0.163
1920	4	-0.06558	-0.98	0.09	0.722	-1.39101	65.7	0.0031	0.163
1920	5	-0.06293	0.23	0.76	0.652	-1.07946	64.4	0.0071	0.163
1920	6	-0.18758	-0.52	-1.62	0.845	-1.02532	63.1	0.0101	0.163
1920	7	-0.14364	0.44	1.87	0.667	-1.41853	61.4	0.0141	0.163
1920	8	-0.13761	-0.56	-1.22	0.414	-2.01853	58.2	0.0171	0.163

Year	Month	Atlantic Multidecadal Oscillation	Arctic Oscillation	North Atlantic Oscillation	Niño 3.4	Pacific Decadal Oscillation	Sunspot Number	Optical Depth (North America)	Greenhouse Gas
1920	9	-0.09564	-0.26	0.41	-0.016	-2.21683	53.4	0.0161	0.163
1920	10	-0.02801	-0.98	-1.15	-0.123	-1.59277	51.6	0.0148	0.163
1920	11	-0.09465	1.04	1.48	-0.464	-1.01	52.1	0.0136	0.163
1920	12	-0.08934	-1.05	-0.46	-0.81	-1.00782	50.9	0.0126	0.163
1921	1	-0.38305	1.95	3.2	-0.544	-0.77085	51.6	0.0116	0.168
1921	2	-0.11876	-0.22	0.07	-1.039	-1.57874	52.9	0.0106	0.168
1921	3	0.061167	1.87	2.68	-2.028	-1.19234	51.8	0.0098	0.168
1921	4	0.04822	-0.24	-0.09	-0.928	-1.66338	48.4	0.009	0.168
1921	5	0.067068	0.03	-0.64	-0.608	-1.32481	45.5	0.0083	0.168
1921	6	0.084621	-0.66	-1.6	-0.395	-0.96902	44.2	0.0077	0.168
1921	7	0.078865	0.13	-0.41	-0.283	-1.3888	42.2	0.0071	0.168
1921	8	-0.22941	-0.09	-0.65	-0.036	-1.94779	40.7	0.0065	0.168
1921	9	-0.03904	-0.35	-1.43	-0.246	-2.13968	42.5	0.006	0.168
1921	10	0.089186	-0.27	-0.22	-0.213	-1.98939	42.9	0.0055	0.168
1921	11	0.032952	-2.09	-1.22	-0.544	-1.20375	40.5	0.0051	0.168
1921	12	0.093858	1.14	2.18	-0.39	0.160838	37.6	0.0047	0.168
1922	1	-0.10565	-0.79	0.64	-0.324	-0.5121	33.5	0.0043	0.174
1922	2	-0.07986	1.46	2.97	0.221	-1.74832	30.2	0.004	0.174
1922	3	-0.21053	0.07	-0.23	0.142	-1.66808	28.2	0.0037	0.174
1922	4	-0.31018	-0.51	0.8	-0.208	-1.75234	26.4	0.0034	0.174
1922	5	-0.22573	0.34	2.36	0.012	-1.97245	24.9	0.0031	0.174
1922	6	-0.05618	0.36	0.79	-0.105	-1.06427	24	0.0029	0.174
1922	7	-0.26274	-0.1	1.79	-0.453	-0.67205	23.2	0.0027	0.174
1922	8	-0.13161	-0.67	0.09	-0.906	-0.59657	21	0.0025	0.174
1922	9	0.013961	-0.27	-0.43	-0.636	-0.52449	15.7	0.0023	0.174
1922	10	0.032586	-1.72	-3.95	-0.603	-0.28926	11.8	0.0021	0.174
1922	11	-0.28985	-0.16	-0.05	-0.454	-1.09624	11.1	0.0019	0.174
1922	12	-0.23344	0.42	1.47	-0.61	0.060404	11	0.0018	0.174
1923	1	-0.06205	1.79	1.84	-0.714	0.04412	10.7	0.0017	0.179
1923	2	-0.10206	-0.35	2.77	-0.529	-1.08923	9.8	0.0015	0.179
1923	3	-0.11293	0.18	-0.1	-0.208	-1.18715	10	0.0014	0.179
1923	4	-0.00188	-0.08	-1.19	-0.008	-0.81949	10.9	0.0013	0.179
1923	5	-0.01553	-0.31	0.35	0.142	-0.19252	11.5	0.0012	0.179
1923	6	-0.13548	-0.27	0.53	0.195	-1.06993	10.7	0.0011	0.179
1923	7	-0.09384	0.12	1.59	0.097	0.091954	9.4	0.001	0.179
1923	8	-0.24431	-0.51	0.73	0.754	-0.26837	9.4	0.001	0.179
1923	9	-0.10924	-0.02	2.64	0.464	-0.37316	9.5	0.0009	0.179
1923	10	0.006286	0.14	1.34	0.457	0.544038	9.8	0.0008	0.179
1923	11	-0.05805	-0.95	-1.97	0.526	-0.10488	11.3	0.0008	0.179
1923	12	0.154758	0.43	1.25	0.59	-0.42221	13.6	0.0007	0.179
1924	1	-0.03975	0.33	0.86	0.646	-1.35147	16.3	0.0007	0.185
1924	2	-0.07866	-1.12	-1.62	0.831	-1.00696	19.3	0.0006	0.185
1924	3	-0.04173	-2.23	-1.88	0.452	-0.58793	21.5	0.0006	0.185
1924	4	-0.03948	-0.52	-0.94	0.032	-1.12366	23.3	0.0005	0.185
1924	5	0.068268	-0.06	-0.55	-0.528	-0.15971	25.1	0.0005	0.185
1924	6	-0.10258	-0.33	-2.09	-0.385	-0.34217	26.9	0.0005	0.185
1924	7	-0.21764	0.81	0.65	-0.433	-1.03138	28.2	0.0004	0.185
1924	8	-0.01351	0.35	0.55	-0.546	-1.49227	29.8	0.0004	0.185
1924	9	-0.04734	0.63	0.71	-0.876	-1.80304	32.2	0.0004	0.185
1924	10	0.216286	-0.03	0.5	-1.023	-2.19776	34.7	0.0004	0.185

Year	Month	Atlantic Multidecadal Oscillation	Arctic Oscillation	North Atlantic Oscillation	Niño 3.4	Pacific Decadal Oscillation	Sunspot Number	Optical Depth (North America)	Greenhouse Gas
1924	11	-0.13515	0.49	-0.21	-1.514	-1.96684	37.7	0.0003	0.185
1924	12	0.005158	1.43	3.86	-1.13	-1.03954	40.8	0.0003	0.185
1925	1	-0.06755	2.39	4.23	-1.424	-1.73007	43.2	0.0003	0.190
1925	2	0.087642	0.4	1.95	-0.949	-1.25904	45.2	0.0003	0.190
1925	3	0.125167	-0.94	-2	-0.718	-1.25698	49	0.0003	0.190
1925	4	0.11242	1.3	2.59	-0.388	-1.10038	54.4	0.0003	0.190
1925	5	0.155968	-0.31	1.12	-0.528	-0.91849	59.9	0.0003	0.190
1925	6	0.080921	0.14	-2.2	-0.315	-1.30776	68.2	0.0002	0.190
1925	7	0.081365	-0.43	1.37	0.107	-0.74968	78.5	0.0002	0.190
1925	8	-0.09331	0.06	1.43	0.554	-0.70618	86.3	0.0002	0.190
1925	9	0.082561	0.43	-0.66	0.294	-0.08463	92.6	0.0002	0.190
1925	10	0.068386	-0.28	-0.98	0.457	-0.12405	96.2	0.0002	0.190
1925	11	-0.24105	-0.33	-2.6	0.976	0.480477	98.2	0.0002	0.190
1925	12	-0.13454	-1.18	-0.72	1.31	0.875718	101.4	0.0002	0.190
1926	1	-0.07345	0.35	1.7	1.266	0.904728	104.2	0.0002	0.197
1926	2	-0.09616	0.12	1.84	1.061	1.203489	106.8	0.0002	0.197
1926	3	-0.19093	0.59	0.56	0.952	1.299236	108.5	0.0002	0.197
1926	4	-0.01978	0.15	2.33	0.642	1.627049	108.7	0.0002	0.197
1926	5	0.029568	-1.08	-1.19	0.302	2.105974	109	0.0002	0.197
1926	6	-0.04118	-1.2	-1.79	0.295	1.863024	107.8	0.003	0.197
1926	7	-0.13124	0.71	-0.69	0.507	2.143504	107.2	0.0037	0.197
1926	8	-0.28911	0.24	2.06	0.354	1.334423	109.4	0.0047	0.197
1926	9	-0.17134	0.15	0.92	-0.256	0.765756	111.6	0.0043	0.197
1926	10	0.179586	-1.22	-4.16	-0.353	0.831447	115.9	0.004	0.197
1926	11	0.072052	-0.26	0.12	-0.294	1.114093	120.7	0.0037	0.197
1926	12	0.225758	-0.29	-0.51	-0.52	0.922612	120.8	0.0034	0.197
1927	1	0.265849	1.15	2.15	-0.504	0.181122	120	0.0031	0.203
1927	2	0.188642	-0.25	1.09	0.041	0.932136	119.6	0.0029	0.203
1927	3	0.298167	1.17	2.58	-0.398	0.307923	119.6	0.0027	0.203
1927	4	0.19182	0.99	1.39	-0.458	-0.09558	119.5	0.0025	0.203
1927	5	0.363068	-0.33	-2.03	-0.458	-0.064	119.4	0.0023	0.203
1927	6	0.193021	-0.15	-1.6	-0.125	0.61457	117.5	0.0021	0.203
1927	7	-0.06144	-0.07	-0.16	-0.313	-0.45097	115.2	0.0019	0.203
1927	8	0.05119	-0.2	1.6	-0.056	-0.79269	114	0.0018	0.203
1927	9	-0.08924	-0.48	-1.77	-0.136	-0.03479	113.7	0.0017	0.203
1927	10	0.050586	-0.5	-2.04	0.127	-0.9261	113.9	0.0015	0.203
1927	11	0.117652	0.33	-1.25	-0.034	-0.97332	112.9	0.0014	0.203
1927	12	0.166658	-1.66	-3.14	-0.11	-1.04191	115	0.0013	0.203
1928	1	0.023649	2.33	3.04	0.006	-0.01029	120.2	0.0012	0.208
1928	2	0.021642	1.67	3.52	0.031	0.349376	125.3	0.0011	0.208
1928	3	0.148867	-0.85	-0.94	-0.458	0.174102	128.9	0.001	0.208
1928	4	0.10572	0.1	1.09	-0.068	0.296996	130.2	0.001	0.208
1928	5	0.160868	-0.81	-2.9	0.132	0.547128	128.9	0.0009	0.208
1928	6	0.258221	-0.65	-1.89	0.045	0.767079	128.7	0.0032	0.208
1928	7	0.277465	0.51	2.21	0.187	-0.71016	128.7	0.0032	0.208
1928	8	0.20199	-0.3	-1.8	0.074	-1.13949	126.9	0.0033	0.208
1928	9	0.259761	0.07	-1.93	-0.076	-1.87555	123.7	0.0043	0.208
1928	10	0.151586	0.26	0.15	-0.253	-1.20392	119.4	0.0042	0.208
1928	11	0.101852	-0.04	1.68	-0.384	0.156208	116.1	0.0041	0.208
1928	12	0.208558	-0.1	0.44	-0.42	0.494788	113.5	0.0048	0.208

Year	Month	Atlantic Multidecadal Oscillation	Arctic Oscillation	North Atlantic Oscillation	Niño 3.4	Pacific Decadal Oscillation	Sunspot Number	Optical Depth (North America)	Greenhouse Gas
1929	1	0.383049	-2.7	-1.26	-0.314	-0.0221	110.2	0.005	0.214
1929	2	0.346942	-1.01	0.27	-0.009	-0.88671	107	0.0063	0.214
1929	3	0.241667	1.48	-0.48	-0.228	-0.49513	101.9	0.0077	0.214
1929	4	0.19952	0.03	-3.8	-0.068	0.008013	97.5	0.0076	0.214
1929	5	0.088268	0.03	0.67	-0.198	0.121048	99.2	0.0083	0.214
1929	6	0.046621	-0.65	-0.06	0.105	0.203448	104.7	0.0082	0.214
1929	7	-0.04294	0.04	0.26	0.187	-0.07829	107.9	0.0091	0.214
1929	8	0.09069	-0.23	-0.07	0.294	-0.28736	106.7	0.0102	0.214
1929	9	0.215261	-0.1	0.25	0.194	0.220129	104.7	0.0104	0.214
1929	10	0.281386	0.54	0.29	0.307	0.642472	102.7	0.01	0.214
1929	11	0.272152	0	2.15	0.486	0.32368	100.2	0.0095	0.214
1929	12	0.265858	0.68	3.8	0.55	0.901497	95.7	0.0089	0.214
1930	1	0.074849	1.47	1.51	0.396	0.536889	89.4	0.0082	0.220
1930	2	-0.01736	0.41	-0.6	0.351	0.441292	83.2	0.0079	0.220
1930	3	0.046467	0.45	-0.7	0.312	0.302721	80.2	0.0073	0.220
1930	4	-0.03728	-0.83	-2.13	0.442	0.330974	78.6	0.0067	0.220
1930	5	0.147568	0.47	1.84	0.092	-0.04012	74.1	0.0062	0.220
1930	6	0.204321	0.4	-0.37	0.305	0.084564	65.2	0.0057	0.220
1930	7	0.382165	-0.15	-1.3	0.797	-0.01493	56	0.0057	0.220
1930	8	0.02329	-0.52	1.81	0.764	-0.25171	52	0.0055	0.220
1930	9	0.310161	-0.97	-2.07	0.914	0.038009	51.2	0.0059	0.220
1930	10	0.398486	-0.3	0.89	1.077	-0.29893	50.4	0.0054	0.220
1930	11	0.284052	0.59	1.44	1.626	0.21024	49	0.0051	0.220
1930	12	0.339558	-0.27	1.21	1.32	0.554331	47.2	0.0053	0.220
1931	1	0.366149	-1.21	-0.09	1.426	0.869866	46	0.0065	0.226
1931	2	0.330242	-0.48	1.29	1.341	0.534907	44.9	0.0065	0.226
1931	3	0.283667	-1.92	-2.18	1.012	0.797936	43.1	0.0069	0.226
1931	4	0.35382	0.03	-0.08	0.932	1.612585	40.5	0.0072	0.226
1931	5	0.362868	-0.38	-0.62	0.672	2.317923	37.7	0.0072	0.226
1931	6	0.130821	-0.61	-0.96	0.535	2.370412	35.9	0.0072	0.226
1931	7	-0.05054	0.02	-0.13	0.237	2.500463	35.2	0.0074	0.226
1931	8	-0.00401	-0.23	-1.8	0.014	1.222648	32.8	0.0068	0.226
1931	9	0.318161	-0.05	-2.73	-0.736	0.897904	29.2	0.0068	0.226
1931	10	0.383186	0.5	-0.11	-0.943	0.363545	26.5	0.0063	0.226
1931	11	0.309552	0.48	2.78	-0.624	-0.30065	24.6	0.0058	0.226
1931	12	0.247558	1.34	0.77	-0.74	-0.82007	24.7	0.0053	0.226
1932	1	0.173449	2.68	3.47	-0.774	-0.70881	24.6	0.0051	0.231
1932	2	0.215542	0.02	-3.31	-0.419	-1.95128	23.6	0.0048	0.231
1932	3	0.297067	-1.72	-1.57	0.122	-1.09185	22.1	0.0045	0.231
1932	4	0.23802	-0.41	0.13	0.002	0.536533	21	0.0043	0.231
1932	5	0.214768	-0.61	-0.68	0.022	-0.01822	20.2	0.004	0.231
1932	6	0.398321	-0.66	-1.46	0.025	-0.12403	19	0.0054	0.231
1932	7	0.377165	-0.13	-0.8	-0.183	0.041553	18.6	0.0065	0.231
1932	8	0.80949	0.13	2.18	-0.136	-0.11392	19.4	0.0076	0.231
1932	9	0.644361	0.56	-0.94	-0.286	-0.83094	20.1	0.0091	0.231
1932	10	0.374086	0.08	0.05	-0.253	-0.33001	19.4	0.0089	0.231
1932	11	0.355352	0.56	0.98	-0.264	-0.89438	17.9	0.0088	0.231
1932	12	0.333758	1.19	1.22	-0.56	-0.48011	15.7	0.0092	0.231
1933	1	0.298549	0.77	1.41	-0.654	-1.42271	14	0.0094	0.238
1933	2	0.396142	-1.87	-1.81	-0.359	-1.6134	13.1	0.0087	0.238

Year	Month	Atlantic Multidecadal Oscillation	Arctic Oscillation	North Atlantic Oscillation	Niño 3.4	Pacific Decadal Oscillation	Sunspot Number	Optical Depth (North America)	Greenhouse Gas
1933	3	0.276967	-0.44	1.26	-0.478	-1.5963	12.7	0.008	0.238
1933	4	0.40162	-0.3	-0.23	-0.518	-1.54488	12.4	0.0073	0.238
1933	5	0.338168	-0.19	-0.55	-0.758	-1.72466	11.5	0.0068	0.238
1933	6	0.491721	-0.02	-1.62	-0.945	-1.97002	10.2	0.0062	0.238
1933	7	0.376065	0.6	2.62	-0.763	-2.84942	8.8	0.0057	0.238
1933	8	0.49159	1.05	2.65	-1.166	-2.72715	7.2	0.0053	0.238
1933	9	0.618361	-0.74	-2.03	-1.226	-2.91063	5.8	0.0049	0.238
1933	10	0.861786	-0.85	-1.99	-1.423	-1.89228	6	0.0045	0.238
1933	11	0.610652	0.06	-2.97	-1.494	-0.83255	7.7	0.0041	0.238
1933	12	0.326658	-0.09	-1.84	-1.59	-1.28447	9	0.0038	0.238
1934	1	0.153649	1.67	3.27	-1.054	-1.06228	9.5	0.0035	0.243
1934	2	-0.02646	1.64	0.49	-1.109	-0.23196	10.5	0.0032	0.243
1934	3	0.354067	-0.3	0.3	-1.038	0.200865	11	0.003	0.243
1934	4	0.28402	-0.33	-1.67	-0.568	0.740117	11.1	0.0028	0.243
1934	5	0.127068	1.23	1.41	-0.288	0.473073	11.9	0.0026	0.243
1934	6	0.365821	-0.4	-2.49	-0.255	-0.41078	13.5	0.0027	0.243
1934	7	0.457265	-0.23	-1.17	-0.413	-0.10858	15.6	0.003	0.243
1934	8	0.28199	-0.12	1.51	-0.196	0.984198	17.5	0.0033	0.243
1934	9	0.397361	-0.75	2.5	-0.616	0.482997	19.7	0.0038	0.243
1934	10	0.487486	0.3	0.76	-0.653	1.626546	21.1	0.0048	0.243
1934	11	0.414452	-0.38	-1.22	-0.304	1.465899	21.7	0.006	0.243
1934	12	0.326758	-0.58	1.32	-0.11	1.616568	24.9	0.0055	0.243
1935	1	0.178349	0.4	-0.5	-0.404	0.362044	29.3	0.0051	0.248
1935	2	-0.00526	2.67	2.7	-0.099	0.428982	32.6	0.0049	0.248
1935	3	0.127567	-0.1	0.39	-0.658	-0.51918	36.7	0.0047	0.248
1935	4	0.46542	-1.43	-0.41	-0.818	-0.10466	42.6	0.0046	0.248
1935	5	0.311568	-0.82	-3.21	-0.808	0.535565	49.8	0.0042	0.248
1935	6	0.258521	-0.28	1.34	-0.335	1.157972	56.9	0.0039	0.248
1935	7	0.155665	0.94	2.03	-0.563	0.290249	63.1	0.0036	0.248
1935	8	0.23879	0.44	-0.55	0.084	0.209102	69.9	0.0038	0.248
1935	9	0.101061	-0.15	0.55	-0.176	0.206768	77.4	0.0036	0.248
1935	10	0.145686	0.77	0.88	0.137	0.18345	85.5	0.0035	0.248
1935	11	0.502352	-0.41	1.13	-0.264	-0.66708	91.8	0.0036	0.248
1935	12	0.550958	-2.66	-1.37	-0.51	0.752495	95.3	0.0037	0.248
1936	1	0.443049	-2.38	-1.22	0.296	1.302742	98.3	0.0038	0.254
1936	2	0.269742	-3.08	-2.44	0.241	0.624992	103.5	0.0036	0.254
1936	3	0.309567	-0.71	-1.09	-0.098	0.585491	109.9	0.0035	0.254
1936	4	0.25872	-0.32	-1.54	0.012	0.806806	114.7	0.0035	0.254
1936	5	0.160168	-0.07	-2.34	-0.008	1.415514	120.7	0.0034	0.254
1936	6	0.380521	0.08	0.76	-0.335	2.165984	128.6	0.0031	0.254
1936	7	0.152465	-0.12	1.34	-0.193	2.718503	137.7	0.0029	0.254
1936	8	0.26119	0.2	2.67	-0.186	1.738476	146.3	0.0043	0.254
1936	9	0.167761	-0.09	-0.81	-0.196	0.516217	150.5	0.0045	0.254
1936	10	0.124786	0.35	0.87	0.157	1.694206	153.4	0.0052	0.254
1936	11	0.189952	0.48	-0.17	-0.054	2.497015	160.1	0.0058	0.254
1936	12	0.204958	2.2	2.37	-0.06	1.135772	168.6	0.0053	0.254
1937	1	0.165449	1.38	2.15	-0.494	-0.19826	179.2	0.0049	0.260
1937	2	0.112242	0.77	1.73	0.001	-0.59221	189.2	0.0045	0.260
1937	3	0.129867	-2.59	-2.02	0.002	-0.56318	194.4	0.0042	0.260
1937	4	0.05482	0.23	2.19	-0.098	-0.96371	198.6	0.0039	0.260

Year	Month	Atlantic Multidecadal Oscillation	Arctic Oscillation	North Atlantic Oscillation	Niño 3.4	Pacific Decadal Oscillation	Sunspot Number	Optical Depth (North America)	Greenhouse Gas
1937	5	0.152468	0.44	2.31	-0.438	-0.15034	198.3	0.0036	0.260
1937	6	0.686221	0.27	0.49	-0.415	1.816811	193	0.0033	0.260
1937	7	0.885565	-0.06	0.19	-0.193	-0.04703	188.3	0.003	0.260
1937	8	0.70609	0.48	0.28	-0.436	-0.4593	185.2	0.0041	0.260
1937	9	0.554861	0.84	-0.17	-0.216	0.001001	184.8	0.0055	0.260
1937	10	0.237786	-0.33	-2.41	-0.433	0.477197	184.4	0.0055	0.260
1937	11	0.193652	-1.11	-1.56	-0.284	0.651621	184.6	0.0056	0.260
1937	12	0.365158	-2.16	-1.09	-0.55	0.739629	183	0.0052	0.260
1938	1	0.152349	0.95	2.64	-0.614	0.977762	182.2	0.0059	0.265
1938	2	0.041342	0.63	0.6	-0.499	-0.07882	182.1	0.0063	0.265
1938	3	0.040567	2.67	3.13	-0.528	-0.48158	179.8	0.0065	0.265
1938	4	0.22552	0.75	-1.68	-0.588	-0.03064	177.2	0.006	0.265
1938	5	0.369468	0.19	-0.35	-0.718	-0.67427	178.7	0.0061	0.265
1938	6	0.465021	0.86	0.97	-0.855	-0.64532	182.3	0.0061	0.265
1938	7	0.274965	0.38	1.6	-1.433	-0.56253	181.4	0.0063	0.265
1938	8	0.33149	0.5	-0.37	-0.976	-0.85924	177.2	0.0068	0.265
1938	9	0.344061	0.29	-0.29	-0.946	-0.36048	172.8	0.0074	0.265
1938	10	0.380286	0.84	1.88	-1.013	0.901858	171.8	0.0081	0.265
1938	11	0.495852	0.68	3.24	-1.274	0.146754	171.8	0.0076	0.265
1938	12	0.418658	-0.89	-0.39	-1.15	0.615841	171.4	0.007	0.265
1939	1	0.198849	-0.92	-0.69	-1.174	0.738539	166.9	0.0064	0.269
1939	2	0.221442	2.15	2.91	-1.139	-0.34098	161.5	0.0059	0.269
1939	3	0.109067	0.01	-0.03	-0.958	-1.15019	162.4	0.0055	0.269
1939	4	0.05572	0.51	0.18	-0.318	-0.25828	163.3	0.005	0.269
1939	5	0.116268	0.06	-0.9	-0.258	0.113823	158.8	0.0046	0.269
1939	6	0.289121	-0.19	-1.4	0.055	0.249009	151.5	0.0043	0.269
1939	7	0.221965	-0.26	-0.44	-0.043	-0.73487	145.9	0.004	0.269
1939	8	0.48629	0.07	0.8	0.014	-0.53013	142.6	0.0036	0.269
1939	9	0.568661	0.2	-3.9	-0.206	-1.29452	142.6	0.0034	0.269
1939	10	0.391786	-0.18	-2.51	-0.463	-1.61381	140.6	0.0031	0.269
1939	11	0.186152	0.26	1.53	-0.114	-0.79667	132.7	0.0029	0.269
1939	12	0.086658	-0.24	-1.07	0.39	2.107825	127.1	0.0026	0.269
1940	1	0.152749	-3.45	-2.27	1.106	1.905434	123.8	0.0024	0.271
1940	2	0.113342	-0.89	-0.93	1.341	1.978873	121.7	0.0022	0.271
1940	3	0.150067	-1.39	-0.72	1.572	2.182012	118.5	0.0021	0.271
1940	4	-0.00978	-0.06	0.53	1.342	2.501013	113	0.0019	0.271
1940	5	0.043368	-0.37	-0.25	1.202	2.071679	110	0.0018	0.271
1940	6	0.211321	-0.13	-1.2	0.935	2.66861	111.1	0.0016	0.271
1940	7	0.216365	-0.09	-1.21	0.707	2.112786	112.6	0.0015	0.271
1940	8	0.18289	0.54	0.3	0.554	1.737736	111.3	0.0014	0.271
1940	9	0.183161	-0.01	-1.1	0.274	1.668525	107.7	0.0028	0.271
1940	10	0.325886	-0.56	-1.89	0.567	1.63321	103.2	0.0026	0.271
1940	11	0.317952	0.86	1.3	1.046	1.87356	99.5	0.0028	0.271
1940	12	0.290058	0.03	1.46	1.4	3.199773	96.1	0.0026	0.271
1941	1	0.217049	-1.34	-3.5	1.726	3.482682	94.4	0.0024	0.271
1941	2	0.086542	-1.82	-0.42	1.901	3.550411	91.2	0.0022	0.271
1941	3	0.048567	-1.21	-1.29	1.792	3.020467	88	0.002	0.271
1941	4	0.17302	-0.76	-2.95	1.572	2.882112	87.3	0.0019	0.271
1941	5	0.096168	0.3	-0.54	1.612	2.74195	85.3	0.0017	0.271
1941	6	-0.06048	0.44	0.24	1.745	3.64062	81.5	0.0016	0.271

Year	Month	Atlantic Multidecadal Oscillation	Arctic Oscillation	North Atlantic Oscillation	Niño 3.4	Pacific Decadal Oscillation	Sunspot Number	Optical Depth (North America)	Greenhouse Gas
1941	7	-0.03774	0.53	1.08	1.147	3.356199	78.5	0.0015	0.271
1941	8	0.01139	-0.14	-0.6	0.744	3.423818	78.3	0.0014	0.271
1941	9	0.352561	0.13	-0.97	0.504	1.96447	79.4	0.0027	0.271
1941	10	0.204886	0.43	-1.21	0.747	1.51211	81.9	0.0025	0.271
1941	11	0.169552	0.09	-0.09	1.486	1.65857	83.6	0.0023	0.271
1941	12	0.356458	0.81	1.44	1.4	2.52162	79.9	0.0021	0.271
1942	1	0.230949	-0.3	0.75	0.726	3.067825	73.1	0.0041	0.270
1942	2	0.270542	-2.28	-3.1	0.531	1.846758	67	0.0047	0.270
1942	3	0.238067	-0.3	-0.92	0.372	1.299599	60.8	0.0052	0.270
1942	4	0.25792	0.19	-0.95	0.602	1.574182	55.5	0.0053	0.270
1942	5	0.309968	0.26	0.82	0.012	1.196873	53.1	0.0061	0.270
1942	6	0.184221	-0.35	-2.1	-0.405	1.678292	51.8	0.0063	0.270
1942	7	0.400665	0.3	0.15	-0.733	0.766183	49.4	0.0067	0.270
1942	8	0.61079	0.37	0.08	-1.206	0.406963	46.2	0.007	0.270
1942	9	0.541361	0.74	-0.25	-1.796	0.035662	42.6	0.0121	0.270
1942	10	0.295286	-0.02	-0.21	-1.913	0.025684	38.4	0.0117	0.270
1942	11	0.287252	0.16	-2.11	-1.874	-0.71331	35.2	0.0114	0.270
1942	12	0.011658	0.44	1.47	-1.66	-1.3487	34.2	0.0116	0.270
1943	1	0.083349	-0.67	1.17	-1.784	-2.0461	33.6	0.0117	0.271
1943	2	0.043942	2.57	2.78	-1.649	-0.78622	33.2	0.0108	0.271
1943	3	0.049467	1.33	0.03	-1.278	-0.29155	32.7	0.0099	0.271
1943	4	0.10452	2.45	4.26	-0.888	0.152429	31.4	0.0091	0.271
1943	5	0.063968	0.82	2.17	-0.308	0.358286	29.2	0.0084	0.271
1943	6	0.150021	-0.18	1.91	-0.175	-0.58929	27.5	0.0077	0.271
1943	7	0.158465	0.02	0.05	-0.023	-0.53376	26.6	0.0076	0.271
1943	8	0.10359	-0.74	-0.18	-0.096	-1.59263	24	0.0076	0.271
1943	9	0.098261	0.14	-0.65	-0.636	-1.46087	20.9	0.0079	0.271
1943	10	0.155086	-0.09	0.45	-1.013	-1.56174	18	0.0073	0.271
1943	11	0.281452	-0.33	0.08	-0.884	-0.47331	15.4	0.0067	0.271
1943	12	0.211358	0.63	-0.39	-0.92	2.297525	14.4	0.0062	0.271
1944	1	0.362849	1.66	3.63	-0.764	1.300854	13.6	0.0057	0.270
1944	2	0.294942	0.39	-1.59	-0.189	0.352643	12.9	0.0052	0.270
1944	3	0.287067	-0.33	-0.82	-0.308	-0.0607	13	0.0048	0.270
1944	4	0.36542	0.19	1.3	-0.318	-0.67022	13.9	0.0045	0.270
1944	5	0.303368	0.85	0.42	-0.108	-1.28698	14.6	0.0041	0.270
1944	6	0.171821	-0.1	-2.78	0.065	-1.74878	15.3	0.0038	0.270
1944	7	-0.03444	-0.3	-2.16	0.037	-1.53878	17	0.0036	0.270
1944	8	0.14619	0.85	0.15	-0.246	-0.96268	18.9	0.0042	0.270
1944	9	0.390061	0.54	0.36	-1.076	-1.40433	20.4	0.0048	0.270
1944	10	0.436386	0.61	-0.83	-0.873	-0.87862	23.4	0.0047	0.270
1944	11	0.542952	-1.55	0.81	-0.954	-0.55153	27.5	0.0043	0.270
1944	12	0.532558		0.26	-0.83	-0.58419	31.7	0.004	0.270
1945	1	0.372049	-2.64	-2.12	-0.944	-0.23092	36.4	0.0047	0.273
1945	2	0.442742	-0.06	4.67	-0.889	-0.45509	39.7	0.0052	0.273
1945	3	0.393567	0.68	2.51	-0.958	-0.0112	41.7	0.0057	0.273
1945	4	0.42322	0.48	1.15	-0.798	-0.03237	46.8	0.0053	0.273
1945	5	0.272268	-0.12	-0.84	-0.588	-0.40168	52.8	0.0048	0.273
1945	6	0.104021	-0.54	0.37	-0.255	0.187709	55.2	0.0045	0.273
1945	7	0.084165	-0.14	-0.4	-0.723	-0.10822	57.1	0.0041	0.273
1945	8	0.01219	0.86	-1.83	-0.746	-0.67585	64.3	0.0038	0.273

Year	Month	Atlantic Multidecadal Oscillation	Arctic Oscillation	North Atlantic Oscillation	Niño 3.4	Pacific Decadal Oscillation	Sunspot Number	Optical Depth (North America)	Greenhouse Gas
1945	9	0.148161	-0.03	1.4	-0.936	-0.36244	73.2	0.0035	0.273
1945	10	-0.03381	0.6	-0.22	-0.713	-0.33312	80.1	0.0032	0.273
1945	11	-0.02805	-0.27	-1.82	-0.534	-1.61177	86.9	0.003	0.273
1945	12	0.082858	-2.37	-0.25	-0.37	-2.38043	93.2	0.0027	0.273
1946	1	-0.07115	0.68	1.41	-0.294	-0.94334	101	0.003	0.275
1946	2	-0.08016	-0.82	0.99	-0.319	0.554467	111.7	0.0028	0.275
1946	3	0.175467	-0.26	-0.39	-0.468	0.184524	121.5	0.0026	0.275
1946	4	0.05732	1.19	0.65	-0.698	0.127044	128	0.0025	0.275
1946	5	-0.02743	-0.58	-2.7	-0.408	0.013462	135.7	0.0028	0.275
1946	6	-0.01508	0.13	2.56	-0.075	-0.10428	147.7	0.0026	0.275
1946	7	-0.03304	0.37	2.66	0.037	-0.04844	157.7	0.0024	0.275
1946	8	-0.06491	0.15	0.62	-0.756	-0.93327	163.1	0.0022	0.275
1946	9	0.071161	-0.17	1.98	-0.686	-0.39883	167.3	0.002	0.275
1946	10	0.082686	0.37	-2.04	-0.263	-1.30617	173.3	0.0019	0.275
1946	11	-0.20455	0.12	-1.26	-0.154	-1.29606	182.8	0.0017	0.275
1946	12	-0.18104	-0.94	1.22	-0.36	-1.26412	193.4	0.0016	0.275
1947	1	-0.21885	0.36	0.39	-0.034	-0.06545	199.2	0.0015	0.279
1947	2	-0.17256	-5.22	-4.6	-0.079	0.415007	204.1	0.0014	0.279
1947	3	-0.26453	-1.31	-1.28	0.042	0.378432	211.2	0.0013	0.279
1947	4	-0.30138	1.95	6.66	-0.108	0.013458	217.2	0.0012	0.279
1947	5	-0.16723	0.3	-1.2	-0.208	-0.11219	218.7	0.0011	0.279
1947	6	-0.25058	-0.35	0.2	0.215	0.894581	216.1	0.001	0.279
1947	7	-0.20664	0.61	0.19	0.257	0.842186	214.1	0.0065	0.279
1947	8	-0.01711	0.02	-1.08	-0.016	0.80619	210.9	0.0063	0.279
1947	9	-0.03364	1.05	1.18	-0.656	0.834319	206	0.0062	0.279
1947	10	-0.15881	0.9	-0.51	-0.783	2.178473	206.3	0.0057	0.279
1947	11	0.020152	-2.81	-0.25	-0.704	0.661335	207.1	0.0053	0.279
1947	12	-0.15624	-1.72	-0.72	-0.43	0.132776	205.7	0.0049	0.279
1948	1	-0.15735	0.73	1.53	-0.214	0.484421	205	0.0045	0.283
1948	2	-0.12576	1.12	0.66	0.201	0.28806	202.3	0.0041	0.283
1948	3	-0.09533	2.92	3.48	0.262	-0.55282	198.9	0.0038	0.283
1948	4	-0.17678	1.19	-0.48	0.092	-1.76188	195.7	0.0035	0.283
1948	5	-0.17483	-0.25	-1.23	0.202	0.267745	192.2	0.0032	0.283
1948	6	-0.03258	-0.49	-0.27	0.105	0.04821	191.6	0.003	0.283
1948	7	0.085565	0.01	0.59	-0.033	-0.90013	193.5	0.0028	0.283
1948	8	0.09689	0.25	0.34	-0.246	-1.42376	199.8	0.0025	0.283
1948	9	0.086161	0.38	0.82	-0.706	-1.38245	209.1	0.0023	0.283
1948	10	0.029686	1.09	0.43	-0.983	-1.29406	210.3	0.0022	0.283
1948	11	0.259152	0.79	2.64	-0.744	-0.51595	203.8	0.002	0.283
1948	12	0.063458	0.76	1.09	-0.25	-2.06397	197.1	0.0018	0.283
1949	1	0.163549	2.32	1.5	-0.494	-2.48628	193.4	0.0017	0.289
1949	2	0.286342	2.22	4.01	-0.139	-3.32753	190.4	0.0023	0.289
1949	3	0.105067	-0.35	-0.96	-0.798	-1.92711	188.5	0.0023	0.289
1949	4	0.28462	1.69	3.41	-0.178	-1.73273	188.4	0.0023	0.289
1949	5	0.229668	-0.3	-1.39	0.042	-1.48891	190.9	0.0021	0.289
1949	6	0.286321	-0.53	-1.51	-0.595	-1.28734	192.5	0.0026	0.289
1949	7	0.432365	0.15	-0.93	-0.503	-1.60533	190.3	0.0033	0.289
1949	8	0.37779	0.23	1.38	-0.416	-1.63514	184.1	0.0042	0.289
1949	9	0.189461	-0.25	-1.81	-0.676	-1.74138	176.2	0.0043	0.289
1949	10	0.078986	1.06	1.38	-1.013	-2.32049	171.4	0.004	0.289

Year	Month	Atlantic Multidecadal Oscillation	Arctic Oscillation	North Atlantic Oscillation	Niño 3.4	Pacific Decadal Oscillation	Sunspot Number	Optical Depth (North America)	Greenhouse Gas
1949	11	0.298252	-1.23	0.54	-1.524	-1.25064	169.4	0.0037	0.289
1949	12	0.231358	-0.68	0.11	-1.53	-1.17209	167.1	0.0034	0.289
1950	1	0.162249	0.715161	0.55	-1.194	-2.0599	162.8	0.0031	0.295
1950	2	0.056542	1.23548	3.31	-1.549	-2.43511	158.5	0.0029	0.295
1950	3	-0.07923	0.682903	0.82	-1.218	-2.08259	150.7	0.0026	0.295
1950	4	-0.00898	0.372258	1.61	-1.068	-2.21096	141	0.0024	0.295
1950	5	0.026568	0.376129	-1.73	-1.438	-3.14954	131.6	0.0023	0.295
1950	6	0.013921	0.59	1.26	-0.755	-2.32452	122.6	0.0021	0.295
1950	7	0.044965	-0.49129	-0.87	-0.653	-3.39883	116.4	0.0019	0.295
1950	8	0.17209	-0.329032	-0.28	-0.606	-2.69535	111.9	0.0018	0.295
1950	9	0.000461	0.415484	1.51	-1.216	-2.10821	106.7	0.0016	0.295
1950	10	0.016686	-0.14129	0.78	-0.883	-1.93989	102.3	0.0015	0.295
1950	11	0.376952	-0.424839	0.78	-1.144	-1.71444	101.2	0.0014	0.295
1950	12	0.365158	-1.60258	-1.88	-0.99	-0.80798	102.4	0.0013	0.295
1951	1	0.444649	0.765161	0.82	-0.894	-1.1587	101.6	0.0012	0.303
1951	2	0.389842	0.285484	0.93	-0.619	-2.11988	98.5	0.0011	0.303
1951	3	0.362167	-1.7171	-2.01	-0.408	-1.85035	98.9	0.001	0.303
1951	4	0.46462	-0.687742	-0.45	-0.218	-1.27104	100.2	0.001	0.303
1951	5	0.434368	-0.493871	-2.11	-0.138	-0.92792	99.5	0.0009	0.303
1951	6	0.428121	-0.83	-1.16	0.185	-1.3319	98.9	0.0008	0.303
1951	7	0.695265	0.23871	1.1	0.307	-0.26934	97.3	0.0008	0.303
1951	8	0.31749	-4.90E-02	0.85	0.314	-1.9854	94	0.0007	0.303
1951	9	0.171461	-0.644516	-0.22	0.354	-0.64374	89.8	0.0035	0.303
1951	10	0.133186	5.87E-02	-0.13	0.297	-0.04406	84	0.0055	0.303
1951	11	0.187052	0.535161	-0.97	0.356	-0.39864	75.3	0.0051	0.303
1951	12	0.132058	2.38742	2.54	0.1	-1.04007	66.5	0.0048	0.303
1952	1	0.158549	1.07516	0.92	0.226	-2.08648	61.5	0.007	0.309
1952	2	0.265742	-1.20452	0.15	0.221	-1.43614	59.8	0.0075	0.309
1952	3	0.290867	-1.7471	-1.14	-0.178	-1.71773	56.2	0.0069	0.309
1952	4	0.18502	0.732258	2.79	0.282	-1.63455	51.4	0.0069	0.309
1952	5	0.232068	-0.653871	-0.94	0.002	-1.4246	48	0.007	0.309
1952	6	0.505321	-0.48	0.02	-0.465	-1.75785	45.5	0.0067	0.309
1952	7	0.593565	0.60871	-0.79	-0.343	-1.99165	44	0.0066	0.309
1952	8	0.73199	0.390968	-1.05	-0.296	-1.32154	42.1	0.0066	0.309
1952	9	0.319661	-0.314516	-3.02	-0.306	-1.28467	40.3	0.0068	0.309
1952	10	0.500386	-0.45129	0.42	-0.153	-0.89711	39.5	0.0063	0.309
1952	11	0.320552	-1.67484	-1.51	-0.574	-0.50757	38.8	0.0058	0.309
1952	12	0.261658	-1.40258	-0.31	-0.56	-0.68	37.3	0.0053	0.309
1953	1	0.235149	1.52E-02	-0.02	0.166	0.313741	34.6	0.0049	0.317
1953	2	0.147142	0.735484	0.54	0.171	0.074266	31	0.0045	0.317
1953	3	0.136267	1.9129	1.25	-0.138	-0.88933	28.6	0.0042	0.317
1953	4	0.23742	-0.997742	-1.6	0.292	-0.64838	27.2	0.0038	0.317
1953	5	0.485868	-0.343871	-0.75	0.252	-0.29055	25	0.004	0.317
1953	6	0.338621	5.00E-02	-2.96	0.365	-0.37575	21.9	0.0064	0.317
1953	7	0.361765	0.56871	0.13	0.217	0.111308	18.5	0.0065	0.317
1953	8	-0.03501	0.450968	3.26	0.194	-0.78139	16.7	0.0077	0.317
1953	9	0.175761	0.955484	0.75	0.444	-0.72719	16.6	0.0089	0.317
1953	10	-0.01251	0.10871	0.77	0.257	-0.87099	15.1	0.0087	0.317
1953	11	0.395052	0.845161	3.25	0.086	-0.23456	12.8	0.0087	0.317
1953	12	0.268758	1.55742	0.15	0.06	0.518037	10.8	0.0092	0.317

Year	Month	Atlantic Multidecadal Oscillation	Arctic Oscillation	North Atlantic Oscillation	Niño 3.4	Pacific Decadal Oscillation	Sunspot Number	Optical Depth (North America)	Greenhouse Gas
1954	1	0.331349	0.755161	0.1	0.386	-1.00916	9.3	0.0096	0.325
1954	2	0.204342	1.05548	0.57	0.311	-0.81088	8.2	0.0093	0.325
1954	3	0.262267	1.1029	-0.29	0.092	-0.82694	6.3	0.0092	0.325
1954	4	0.16442	0.452258	-0.26	-0.368	-1.13352	5.1	0.0085	0.325
1954	5	0.162668	-1.56387	-0.91	-0.378	-0.43238	5.5	0.0078	0.325
1954	6	0.250721	-0.2	-0.94	-0.425	0.472271	6.3	0.0072	0.325
1954	7	0.333765	0.48871	0.88	-0.743	-0.33906	7.9	0.0066	0.325
1954	8	0.11169	0.350968	-0.59	-0.716	-0.37888	10.5	0.0061	0.325
1954	9	0.019261	0.335484	2.49	-1.046	-1.05806	11.4	0.0056	0.325
1954	10	0.105186	0.62871	2.09	-0.743	0.165504	11.6	0.0052	0.325
1954	11	-0.00865	0.265161	1.54	-0.774	1.144218	13.8	0.0048	0.325
1954	12	0.242458	0.457419	1.44	-1.05	0.480229	17.4	0.0044	0.325
1955	1	0.175349	-0.134839	-1.17	-0.594	0.379301	20.5	0.0041	0.333
1955	2	0.153842	-1.13452	-2.21	-0.499	-0.92765	23.7	0.0037	0.333
1955	3	0.249967	-1.4771	-2.9	-0.528	-1.5016	28	0.0034	0.333
1955	4	0.24762	7.23E-02	2.4	-0.548	-2.3505	33.5	0.0032	0.333
1955	5	0.483768	0.136129	0.33	-0.918	-1.85789	41.2	0.0029	0.333
1955	6	0.323621	-0.33	-0.18	-0.665	-2.42498	50	0.0027	0.333
1955	7	0.602565	0.65871	-1.32	-0.633	-3.00032	57	0.0025	0.333
1955	8	0.28669	1.24097	0.54	-0.706	-2.79334	66	0.003	0.333
1955	9	0.377561	0.335484	0.82	-0.986	-2.44786	78.8	0.0043	0.333
1955	10	0.254586	0.14871	-2.35	-1.433	-3.01843	91.3	0.004	0.333
1955	11	0.491052	-1.07484	-2.14	-1.954	-2.60322	103.5	0.0037	0.333
1955	12	0.256258	-0.252581	0.51	-1.68	-2.34156	114.8	0.0034	0.333
1956	1	0.187249	-0.624839	-0.76	-1.054	-2.00026	125.8	0.0031	0.342
1956	2	0.119642	-1.35452	-2.96	-0.599	-2.37966	139.4	0.0029	0.342
1956	3	0.149567	1.2229	0.01	-0.788	-2.97997	154.7	0.0026	0.342
1956	4	0.14852	-0.877742	-1.9	-0.838	-2.82943	168.1	0.0024	0.342
1956	5	0.110768	1.53613	4.54	-0.668	-1.87347	180.4	0.0023	0.342
1956	6	-0.12178	0.19	1.26	-0.775	-2.39913	193.8	0.0021	0.342
1956	7	0.150165	-0.13129	0.35	-0.723	-1.89386	206.1	0.0019	0.342
1956	8	0.20479	-0.339032	-3.15	-0.766	-1.44354	211.8	0.0018	0.342
1956	9	0.044661	5.48E-03	-0.51	-0.926	-1.06777	214.5	0.0016	0.342
1956	10	0.133186	1.07871	1.23	-0.793	-2.34214	220.6	0.0015	0.342
1956	11	-0.04025	0.115161	1.39	-1.094	-2.68989	226	0.0014	0.342
1956	12	0.015958	0.157419	2.57	-0.79	-1.50276	232.7	0.0013	0.342
1957	1	0.025749	3.16516	2.53	-0.634	-1.48596	241.1	0.0012	0.351
1957	2	-0.03546	-1.18452	1.08	-0.139	-1.53876	243.8	0.0011	0.351
1957	3	-0.00393	-1.4871	0.42	0.202	-0.91141	246.8	0.001	0.351
1957	4	-0.05908	0.422258	-0.62	0.342	-0.74342	256.3	0.001	0.351
1957	5	-0.21753	-0.743871	-0.84	0.402	0.102282	262.7	0.0009	0.351
1957	6	-0.21148	-0.68	-0.8	0.245	1.354547	266.1	0.0008	0.351
1957	7	0.006865	-0.45129	-0.48	0.567	-0.01444	271.1	0.0008	0.351
1957	8	-0.00741	0.390968	0.7	0.864	-0.11824	275.3	0.0007	0.351
1957	9	0.095961	-0.794516	-1.56	0.314	1.547423	279.3	0.0007	0.351
1957	10	0.049886	0.95871	1.07	0.537	1.412753	282.5	0.0006	0.351
1957	11	-0.09615	-0.924839	-1.59	0.906	1.494824	284.4	0.0006	0.351
1957	12	-0.12584	1.17742	-0.12	0.89	0.712606	283.3	0.0005	0.351
1958	1	-0.13175	-0.504839	0.37	1.466	1.355604	281.8	0.0005	0.360
1958	2	0.019742	-1.29452	-0.03	1.351	1.371718	284.6	0.0005	0.360

Year	Month	Atlantic Multidecadal Oscillation	Arctic Oscillation	North Atlantic Oscillation	Niño 3.4	Pacific Decadal Oscillation	Sunspot Number	Optical Depth (North America)	Greenhouse Gas
1958	3	0.145367	-2.3071	-1.28	0.912	0.940652	285	0.0004	0.360
1958	4	0.15072	-0.237742	1.79	0.412	0.933346	278.7	0.0004	0.360
1958	5	0.051568	-0.263871	1.1	0.432	1.718383	271	0.0004	0.360
1958	6	0.044421	-1.2	-1.44	0.365	1.518732	264.5	0.0004	0.360
1958	7	-0.04294	-0.53129	-0.2	0.107	0.414564	262.3	0.0003	0.360
1958	8	0.09949	-0.529032	0.98	0.214	0.992011	261.9	0.0003	0.360
1958	9	0.026761	8.55E-02	-0.23	-0.336	0.494879	260.3	0.0003	0.360
1958	10	-0.07521	0.56871	1.65	-0.013	0.269424	258.1	0.0003	0.360
1958	11	0.070152	0.425161	0.43	-0.054	0.593444	255.9	0.0003	0.360
1958	12	0.062858	-1.50258	-1.7	0.21	1.553883	255.6	0.0003	0.360
1959	1	-0.04735	-1.44484	-1.15	0.376	1.570793	252.9	0.0002	0.372
1959	2	-0.14586	3.58548	2.46	0.331	0.625814	250.4	0.0002	0.372
1959	3	-0.24953	2.1429	1.82	-0.048	0.379428	247.1	0.0002	0.372
1959	4	-0.31328	6.23E-02	1.51	0.192	0.333387	239.7	0.0002	0.372
1959	5	-0.12483	-0.223871	-2.22	0.072	0.065163	233.9	0.0002	0.372
1959	6	-0.13918	-8.00E-02	1.51	-0.295	-0.02022	228.5	0.0002	0.372
1959	7	-0.15674	0.21871	0.29	-0.513	-0.76145	220.6	0.0002	0.372
1959	8	0.05639	-0.519032	0.02	-0.616	-0.6517	214.2	0.0002	0.372
1959	9	0.281961	-0.124516	-1.81	-0.856	-0.91682	207.1	0.0002	0.372
1959	10	0.128286	-0.27129	1.51	-0.223	0.338199	199.7	0.0002	0.372
1959	11	0.010152	-1.12484	-0.04	-0.424	0.981199	194.2	0.0002	0.372
1959	12	0.007158	0.147419	1.98	-0.39	0.96077	187.6	0.0002	0.372
1960	1	0.040349	-1.78484	-0.7	-0.284	0.440031	182.5	0.0002	0.385
1960	2	-0.02946	-1.41452	-1	-0.329	0.973836	177	0.0002	0.385
1960	3	0.088267	-1.2971	-0.87	0.042	0.219656	172.1	0.0002	0.385
1960	4	0.07122	-0.297742	1.93	0.012	0.27409	169.4	0.0016	0.385
1960	5	0.264068	-0.773871	0.07	-0.068	0.44213	165.7	0.0029	0.385
1960	6	0.289421	-2.00E-02	-0.41	-0.205	0.998834	161.3	0.0044	0.385
1960	7	0.283065	-0.49129	0.18	-0.263	-0.7476	153.8	0.0059	0.385
1960	8	0.44509	-0.749032	-1.84	0.134	-0.46319	145	0.0072	0.385
1960	9	0.241761	-0.384516	0.24	-0.096	-1.11837	138.6	0.0087	0.385
1960	10	0.260086	-1.22129	-3.08	-0.483	0.086434	132.1	0.0087	0.385
1960	11	0.175552	-0.374839	1.4	-0.424	0.019677	124.5	0.0087	0.385
1960	12	-0.07074	-6.26E-02	0.46	-0.41	0.892361	118.5	0.0087	0.385
1961	1	0.071149	-0.474839	1.46	-0.324	1.32596	113.6	0.008	0.395
1961	2	0.020142	1.63548	4.06	0.021	1.236553	105.9	0.01	0.395
1961	3	0.163167	0.772903	2.08	-0.148	0.910109	97.5	0.016	0.395
1961	4	0.18482	-0.407742	0.71	0.092	0.61689	91.1	0.0183	0.395
1961	5	0.086768	0.276129	-0.94	0.062	-0.18674	85.1	0.0169	0.395
1961	6	0.103421	0.71	2.13	0.585	-0.39305	79.1	0.0157	0.395
1961	7	0.301365	-2.13E-02	0.63	0.047	-1.07312	75.3	0.0146	0.395
1961	8	0.32189	0.270968	3.38	-0.446	-1.13758	74.4	0.0137	0.395
1961	9	0.092161	0.855484	2.01	-0.796	-1.42317	74.3	0.013	0.395
1961	10	0.112386	-8.13E-02	1	-0.753	-2.03805	73	0.0123	0.395
1961	11	0.254052	0.225161	-2.15	-0.544	-1.16157	71.7	0.0117	0.395
1961	12	0.265858	-1.64258	-1.72	-0.47	-1.6426	69.1	0.0108	0.395
1962	1	0.058249	2.39516	2.44	-0.524	-0.90192	64.2	0.0099	0.407
1962	2	0.121042	0.535484	0.77	-0.329	-0.83507	59.4	0.0093	0.407
1962	3	0.022067	-2.6371	-3.78	-0.388	-0.998	56.7	0.0089	0.407
1962	4	0.05042	1.13226	0.74	-0.428	-0.95674	56.1	0.009	0.407

Year	Month	Atlantic Multidecadal Oscillation	Arctic Oscillation	North Atlantic Oscillation	Niño 3.4	Pacific Decadal Oscillation	Sunspot Number	Optical Depth (North America)	Greenhouse Gas
1962	5	-0.10183	-3.39E-02	-0.1	-0.488	-1.46541	55.9	0.0087	0.407
1962	6	-0.21908	0.14	1.41	-0.195	-2.14138	54.6	0.0085	0.407
1962	7	-0.09934	-0.88129	-2.1	-0.083	-2.40521	52.5	0.0091	0.407
1962	8	-0.25311	0.380968	2.28	-0.136	-1.17589	49.8	0.0108	0.407
1962	9	-0.02514	-0.114516	0.02	-0.626	-2.11175	46.7	0.01	0.407
1962	10	0.093786	-7.13E-02	-0.34	-0.603	-1.50419	44	0.0107	0.407
1962	11	0.063552	-0.744839	-2.23	-0.714	-0.25082	42.9	0.0103	0.407
1962	12	0.183858	-0.332581	-0.66	-0.84	0.013528	42.6	0.0098	0.407
1963	1	0.097649	-2.42484	-4.09	-0.644	0.003373	42.1	0.0103	0.419
1963	2	-0.06206	-0.634516	-1.9	-0.339	0.497328	42.6	0.011	0.419
1963	3	-0.01313	1.0229	2.79	-0.138	-0.50191	42.6	0.0128	0.419
1963	4	-0.10038	-0.467742	-0.46	-0.078	-0.46663	41.6	0.0128	0.419
1963	5	-0.16633	0.866129	1.91	0.052	-1.27437	41.1	0.0156	0.419
1963	6	-0.28568	-0.68	-1.77	0.285	-0.95302	40.4	0.0169	0.419
1963	7	-0.29694	-0.22129	-0.65	0.817	-1.42945	39.7	0.0204	0.419
1963	8	-0.50901	-0.419032	-0.96	0.894	-1.27807	39	0.0252	0.419
1963	9	-0.57954	0.325484	0.94	0.774	0.543822	38.6	0.0263	0.419
1963	10	-0.24441	1.00871	2.79	0.817	0.237229	37.4	0.0306	0.419
1963	11	-0.16865	-0.204839	-0.15	0.746	-0.35643	34.2	0.0365	0.419
1963	12	-0.12614	-0.512581	-3.09	0.93	0.319537	30.7	0.0379	0.419
1964	1	-0.24585	1.55516	0.93	0.706	0.39016	28.1	0.0381	0.430
1964	2	-0.10946	8.55E-02	-0.13	0.361	-0.18416	25.7	0.0373	0.430
1964	3	-0.14583	-9.71E-02	-0.77	-0.448	-1.04858	22.3	0.0363	0.430
1964	4	-0.20028	0.402258	0.95	-0.548	-1.49718	18.6	0.038	0.430
1964	5	0.111768	0.956129	2.51	-0.828	-2.29419	16	0.0393	0.430
1964	6	-0.04898	0.14	-1.85	-0.935	-0.97312	15	0.0407	0.430
1964	7	-0.07204	0.90871	2.44	-0.963	-1.35203	15.2	0.0432	0.430
1964	8	-0.06441	-0.949032	-2.46	-0.776	-1.66034	15.1	0.0424	0.430
1964	9	0.055861	-0.334516	0.5	-1.176	-1.56981	14.6	0.0409	0.430
1964	10	0.049986	0.17871	0.63	-1.113	-0.91063	14.3	0.04	0.430
1964	11	-0.04985	-0.244839	1.33	-1.354	-0.71798	15	0.0407	0.430
1964	12	0.023458	-0.132581	-1.24	-1.37	-0.85421	16.2	0.0416	0.430
1965	1	-0.03405	-0.264839	0.01	-0.854	-1.00758	17.2	0.0412	0.442
1965	2	-0.01826	-1.43452	-3.03	-0.409	-0.86695	17.7	0.0407	0.442
1965	3	0.036867	-0.487097	0.23	-0.518	-0.34606	18.4	0.0393	0.442
1965	4	0.09922	0.502258	2.14	-0.288	-0.37794	19.9	0.0372	0.442
1965	5	0.081968	-0.143871	-0.08	0.312	-0.698	21.2	0.0366	0.442
1965	6	-0.04148	1.00E-02	0.87	0.555	-0.86986	21.8	0.0349	0.442
1965	7	-0.06984	-0.45129	-1.71	0.747	-1.12845	22.6	0.0331	0.442
1965	8	-0.02691	6.10E-02	1.59	1.114	0.053729	23.8	0.0307	0.442
1965	9	-0.09514	-0.744516	-1.01	1.174	0.601871	25.2	0.0287	0.442
1965	10	-0.29601	0.44871	-1.26	1.437	0.431489	28.4	0.0275	0.442
1965	11	-0.39875	-1.24484	-1.78	1.426	0.404711	32.1	0.027	0.442
1965	12	-0.18734	0.127419	1.24	1.3	0.567758	35.2	0.0276	0.442
1966	1	-0.16445	-2.46484	-1.01	1.216	-0.54422	39.7	0.0298	0.462
1966	2	-0.18476	-0.934516	-0.38	0.911	-0.3461	44.8	0.0283	0.462
1966	3	-0.15703	-0.657097	1.05	0.792	-0.85265	49.2	0.0269	0.462
1966	4	0.00462	-2.15774	1.18	0.452	-0.31189	53.3	0.0254	0.462
1966	5	-0.17703	1.19613	1.51	0.042	-0.50839	57.9	0.024	0.462
1966	6	-0.29828	0.45	0.82	0.325	0.048911	63.4	0.0226	0.462

Year	Month	Atlantic Multidecadal Oscillation	Arctic Oscillation	North Atlantic Oscillation	Niño 3.4	Pacific Decadal Oscillation	Sunspot Number	Optical Depth (North America)	Greenhouse Gas
1966	7	-0.33044	0.11871	-1.99	0.347	-0.14164	71.4	0.0213	0.462
1966	8	0.04809	-0.689032	-2.03	-0.046	-0.30042	80.3	0.0199	0.462
1966	9	-0.05994	0.195484	-0.47	-0.126	-0.36143	89.5	0.0186	0.462
1966	10	0.076186	-1.39129	-2.89	-0.123	-0.6918	95.8	0.0173	0.462
1966	11	-0.09735	0.315161	-0.07	-0.244	-0.74029	99.4	0.016	0.462
1966	12	0.098258	-1.36258	1.68	-0.45	-0.20141	103	0.0148	0.462
1967	1	0.092849	0.425161	0.04	-0.554	-0.33929	106.2	0.0136	0.476
1967	2	0.152742	2.15548	1.7	-0.389	-0.58376	111.6	0.0125	0.476
1967	3	0.029367	2.2729	3	-0.508	-0.81775	116.5	0.0115	0.476
1967	4	0.03852	1.60226	-0.76	-0.808	-1.0403	119.8	0.0106	0.476
1967	5	-0.28733	9.61E-02	-0.46	-0.538	-1.50182	123.9	0.0113	0.476
1967	6	-0.22468	0.6	1.96	-0.045	-1.63971	129.3	0.013	0.476
1967	7	0.042265	0.28871	1.44	-0.033	-1.35486	133.3	0.0147	0.476
1967	8	0.17799	8.10E-02	-0.41	-0.456	-2.02528	135	0.0164	0.476
1967	9	0.109361	0.405484	0.32	-0.896	-0.87149	134.9	0.0182	0.476
1967	10	-0.05851	1.22871	1.34	-0.713	-0.1228	134.5	0.0199	0.476
1967	11	0.053152	0.555161	-0.91	-0.644	0.066959	137.6	0.0183	0.476
1967	12	-0.04494	-0.182581	-0.53	-0.82	-0.75576	142.5	0.0169	0.476
1968	1	-0.04085	0.115161	1.65	-0.884	-0.96696	145.3	0.0155	0.491
1968	2	-0.00226	-1.13452	-1.53	-0.869	-0.4867	145.7	0.0143	0.491
1968	3	-0.22293	2.4729	0.34	-0.838	0.159837	148.2	0.0131	0.491
1968	4	-0.05298	0.332258	-0.71	-0.668	-0.90729	151.8	0.0121	0.491
1968	5	-0.14963	-0.143871	-1.5	-0.478	-1.10651	152.4	0.0147	0.491
1968	6	-0.36608	0.31	0.95	0.205	-0.46629	150.9	0.0216	0.491
1968	7	-0.29594	-0.57129	-1.96	0.457	-0.00603	148.9	0.0285	0.491
1968	8	-0.26241	-0.369032	-1.45	0.254	-0.51341	148.4	0.0354	0.491
1968	9	-0.14614	-1.13452	0.5	-0.206	-0.10044	151.5	0.0423	0.491
1968	10	-0.29771	-1.13129	0.03	0.047	-0.02266	155.5	0.0491	0.491
1968	11	-0.26525	-1.68484	-2	0.456	-0.00423	156.6	0.0475	0.491
1968	12	-0.30794	-0.682581	-1.73	0.52	-0.10199	156	0.046	0.491
1969	1	-0.23605	-2.63484	-1.64	1.166	-0.73568	155.7	0.0443	0.511
1969	2	-0.12086	-2.47452	-3.16	0.991	-1.27666	155.1	0.0428	0.511
1969	3	-0.17813	-1.1571	-1.81	0.382	-0.97332	152.9	0.0411	0.511
1969	4	-0.30968	0.692258	1.11	0.122	-0.69089	150.7	0.0396	0.511
1969	5	-0.57203	-0.523871	-0.23	0.522	-0.59005	150.4	0.038	0.511
1969	6	-0.45078	-0.26	-1.17	0.355	1.41582	150.1	0.0363	0.511
1969	7	-0.12724	0.47871	3.7	0.157	-0.24251	149.9	0.0348	0.511
1969	8	-0.30891	-0.499032	-1.62	0.174	-0.88186	150.7	0.0331	0.511
1969	9	-0.30944	1.55E-02	0.38	0.394	-1.07709	149.2	0.0316	0.511
1969	10	-0.40391	1.87E-02	0.7	0.617	1.236607	147.4	0.0299	0.511
1969	11	-0.34785	0.575161	-1.28	0.556	1.067335	148	0.0284	0.511
1969	12	-0.29404	-1.24258	-0.26	0.63	1.724199	148.5	0.0268	0.511
1970	1	-0.37655	-1.66484	-1.16	0.816	1.497727	149.5	0.0251	0.531
1970	2	-0.42946	-0.444516	1.1	0.751	1.476001	150.1	0.0236	0.531
1970	3	-0.32883	-1.7671	-1.78	0.422	1.133613	150.3	0.022	0.531
1970	4	-0.30768	0.192258	2.52	0.392	0.371628	150.3	0.0204	0.531
1970	5	-0.25113	0.536129	1.87	0.132	-0.93855	149.8	0.0188	0.531
1970	6	-0.40848	0.95	-0.11	-0.425	-0.1719	149.1	0.0173	0.531
1970	7	-0.26624	0.23871	0.27	-1.073	-1.10507	147	0.0159	0.531
1970	8	-0.04171	3.10E-02	-0.2	-1.186	-1.84494	143	0.0147	0.531

Year	Month	Atlantic Multidecadal Oscillation	Arctic Oscillation	North Atlantic Oscillation	Niño 3.4	Pacific Decadal Oscillation	Sunspot Number	Optical Depth (North America)	Greenhouse Gas
1970	9	-0.27924	-1.45E-02	0.47	-1.336	-1.80075	137.6	0.0135	0.531
1970	10	-0.30051	-0.16129	0	-1.113	-1.3592	132.9	0.0124	0.531
1970	11	-0.28925	0.565161	0.76	-1.454	-0.78041	126.5	0.0114	0.531
1970	12	-0.27204	-8.26E-02	-1.58	-1.88	-0.94871	119	0.0105	0.531
1971	1	-0.37885	0.455161	-0.43	-1.684	-1.14672	113.8	0.0097	0.549
1971	2	-0.33426	-0.334516	1.21	-1.349	-1.69083	110.1	0.0089	0.549
1971	3	-0.23653	-0.637097	-1.76	-1.438	-1.77955	105.3	0.0082	0.549
1971	4	-0.25808	-0.527742	-3.15	-1.008	-1.96298	100.4	0.0076	0.549
1971	5	-0.22023	0.916129	-0.62	-0.848	-1.95698	96.5	0.007	0.549
1971	6	-0.08048	-0.72	-1.32	-0.915	-2.06651	94.5	0.0064	0.549
1971	7	-0.03714	-0.39129	-1.04	-0.623	-2.80463	92.7	0.0059	0.549
1971	8	-0.35491	1.13097	0.07	-0.526	-0.58137	91.5	0.0055	0.549
1971	9	-0.32134	0.215484	-0.54	-1.036	0.099915	93.2	0.0058	0.549
1971	10	-0.16361	1.04871	1.63	-1.083	-0.28128	93.8	0.0054	0.549
1971	11	-0.16785	0.675161	-1.46	-1.134	-1.05393	94.7	0.0049	0.549
1971	12	-0.33014	0.937419	0.76	-1.28	-1.78791	98.3	0.0046	0.549
1972	1	-0.34105	0.975161	-0.52	-0.664	-2.27979	100.3	0.0042	0.570
1972	2	-0.36946	0.685484	-0.2	-0.349	-2.11379	100.9	0.0039	0.570
1972	3	-0.44213	0.372903	0.26	-0.288	-1.51835	102.6	0.0036	0.570
1972	4	-0.31168	0.832258	0.22	0.022	-1.62666	104	0.0033	0.570
1972	5	-0.50453	0.266129	1.24	0.182	-2.2198	103.3	0.003	0.570
1972	6	-0.41208	-0.17	1.07	0.605	-1.83076	99.9	0.003	0.570
1972	7	-0.22044	-0.43129	0.41	0.717	-1.47894	96.6	0.0034	0.570
1972	8	-0.53461	0.330968	0.11	1.174	0.019459	92.9	0.0038	0.570
1972	9	-0.38674	-0.954516	-4.11	1.014	0.160417	88.2	0.0042	0.570
1972	10	-0.60681	0.29871	-1.74	1.657	0.221571	85.9	0.0045	0.570
1972	11	-0.56555	-0.254839	0.64	1.936	0.419798	83.3	0.0049	0.570
1972	12	-0.66214	1.67742	2.11	1.77	0.068351	78.2	0.0053	0.570
1973	1	-0.71685	2.46516	1.37	1.376	0.169171	72.3	0.0057	0.598
1973	2	-0.55476	1.62548	1.22	1.321	-0.06374	66.1	0.0061	0.598
1973	3	-0.43233	1.2129	1.04	0.632	-0.44606	62.8	0.0065	0.598
1973	4	-0.36058	-1.31774	-2.61	-0.108	-0.99926	60.7	0.0068	0.598
1973	5	-0.37813	0.196129	0.37	-1.078	-1.2962	57.9	0.0072	0.598
1973	6	-0.19918	0.51	0.83	-1.285	-1.24266	55.6	0.0076	0.598
1973	7	-0.14474	0.43871	-1.85	-1.113	-0.95282	53.4	0.008	0.598
1973	8	-0.14881	0.510968	2.32	-1.676	-1.39693	51.4	0.0084	0.598
1973	9	-0.10674	0.225484	-0.79	-1.626	-0.8868	49	0.0087	0.598
1973	10	-0.29381	0.20871	-1.03	-1.943	-1.08005	46.6	0.0091	0.598
1973	11	-0.27485	0.125161	-0.26	-2.614	-1.43253	45.4	0.0095	0.598
1973	12	-0.17834	0.317419	-1.65	-2.51	-0.77634	45	0.0099	0.598
1974	1	-0.17355	0.975161	3.75	-2.084	-1.10982	46.8	0.0103	0.617
1974	2	-0.07256	9.55E-02	0.68	-1.799	-1.89651	49.1	0.0107	0.617
1974	3	-0.23863	0.112903	-0.81	-1.358	-1.38485	48.5	0.011	0.617
1974	4	-0.27668	0.552258	-2.3	-1.218	-0.82646	48.3	0.0114	0.617
1974	5	-0.42603	-0.473871	-0.01	-0.868	-0.93605	49.4	0.0118	0.617
1974	6	-0.48098	-0.17	-0.14	-0.555	-0.75005	49.3	0.0122	0.617
1974	7	-0.63154	0.45871	2.07	-1.083	-0.41612	48.6	0.0126	0.617
1974	8	-0.71741	-0.219032	0.89	-0.526	-0.3518	47.3	0.013	0.617
1974	9	-0.43874	-0.224516	0.11	-0.656	0.210685	45.8	0.0133	0.617
1974	10	-0.38211	-1.12129	-1.44	-0.843	-0.48912	43.2	0.0137	0.617

Year	Month	Atlantic Multidecadal Oscillation	Arctic Oscillation	North Atlantic Oscillation	Niño 3.4	Pacific Decadal Oscillation	Sunspot Number	Optical Depth (North America)	Greenhouse Gas
1974	11	-0.27005	-0.154839	1.27	-1.214	0.367982	39.3	0.0141	0.617
1974	12	-0.16244	0.777419	3.06	-0.99	-0.00142	36.1	0.0184	0.617
1975	1	-0.18095	2.37516	2.43	-0.324	-0.59074	33	0.0228	0.638
1975	2	-0.24296	1.28548	0.4	-0.529	-1.00868	31.8	0.0271	0.638
1975	3	-0.18293	0.662903	-1.26	-0.908	-1.06495	30.6	0.0314	0.638
1975	4	-0.26188	0.282258	-0.84	-0.748	-1.71979	26.8	0.0358	0.638
1975	5	-0.29823	-0.453871	-2.42	-0.968	-2.0047	24.2	0.0401	0.638
1975	6	-0.20868	-0.45	0.18	-1.225	-1.68267	23.2	0.0369	0.638
1975	7	0.025265	0.57871	0.63	-1.313	-1.13947	21.8	0.034	0.638
1975	8	0.34379	0.450968	0.08	-1.206	-1.51267	20.7	0.0313	0.638
1975	9	-0.01084	1.19548	1.75	-1.276	-1.33695	20.9	0.0288	0.638
1975	10	-0.22861	0.10871	0.39	-1.613	-1.8223	22.3	0.0265	0.638
1975	11	-0.06485	1.00516	0.86	-1.754	-1.94602	23.3	0.0244	0.638
1975	12	-0.11554	1.76742	-1.57	-1.96	-1.61972	23.6	0.0224	0.638
1976	1	-0.13375	0.945161	0.75	-1.974	-1.16357	22.1	0.0206	0.654
1976	2	-0.16956	2.65548	1.29	-1.309	-1.29246	19.2	0.019	0.654
1976	3	-0.05813	1.1029	1.87	-0.718	-1.72576	17.8	0.0175	0.654
1976	4	-0.02298	0.552258	-1.53	-0.508	-1.35042	18.4	0.0161	0.654
1976	5	-0.03493	0.176129	1.2	-0.538	-1.17974	18.3	0.0148	0.654
1976	6	-0.03578	0.22	1.76	-0.145	-1.21508	17.9	0.0136	0.654
1976	7	0.190865	-3.13E-02	-0.57	-0.143	0.169907	18.8	0.0126	0.654
1976	8	0.27979	1.04097	0.62	0.344	0.871504	20.5	0.0116	0.654
1976	9	-0.05894	-0.544516	-3.46	0.534	0.658602	20.8	0.0106	0.654
1976	10	-0.06331	-0.95129	-0.64	0.657	1.111649	19.7	0.0098	0.654
1976	11	-0.38755	0.375161	1.5	0.536	1.499124	19.7	0.009	0.654
1976	12	-0.46114	-1.77258	-3.63	0.43	1.268679	21.6	0.0083	0.654
1977	1	-0.35645	-2.93484	-2.36	0.776	1.26768	24.3	0.0077	0.681
1977	2	-0.27766	-1.04452	0.28	0.361	1.689766	26.3	0.0071	0.681
1977	3	-0.11673	0.682903	1.33	0.102	1.043527	28.8	0.0065	0.681
1977	4	-0.19798	1.29226	1.07	-0.308	0.354777	31.9	0.006	0.681
1977	5	-0.13693	0.316129	-1.62	0.192	0.218185	34.7	0.0055	0.681
1977	6	-0.11458	-0.29	-0.89	0.465	0.680522	37.7	0.0051	0.681
1977	7	-0.01534	-0.41129	-1.14	0.267	0.279196	41.4	0.0047	0.681
1977	8	-0.11821	-1.03903	-1.42	0.034	0.120391	47.6	0.0043	0.681
1977	9	-0.06884	0.595484	1.64	-0.026	-0.57386	55.8	0.004	0.681
1977	10	-0.08851	-9.13E-02	0.45	0.387	-0.52933	64.8	0.0037	0.681
1977	11	-0.15785	0.775161	0.37	0.756	0.473105	73.7	0.0034	0.681
1977	12	-0.18674	0.137419	-0.25	0.73	0.306638	80.7	0.0031	0.681
1978	1	-0.14065	0.875161	0.46	0.716	1.118314	86.9	0.0029	0.705
1978	2	-0.02666	-1.93452	-1.99	0.391	1.169535	91.5	0.0027	0.705
1978	3	-0.13083	1.0829	3.1	0.102	1.614666	98.7	0.0025	0.705
1978	4	-0.23798	-0.857742	-3.12	-0.528	1.298283	109	0.0029	0.705
1978	5	-0.31823	0.106129	0.37	-0.388	0.975006	117.8	0.0048	0.705
1978	6	-0.23918	0.45	0.14	-0.555	0.699599	126.6	0.0066	0.705
1978	7	-0.16654	-0.46129	-0.33	-0.513	-1.36586	138	0.0084	0.705
1978	8	0.16299	1.10E-02	0.05	-0.656	-0.97074	147.3	0.0103	0.705
1978	9	-0.01464	-0.114516	1.96	-0.676	-0.86817	153.6	0.0121	0.705
1978	10	-0.11131	0.80871	0.02	-0.913	-0.05718	157.3	0.0123	0.705
1978	11	-0.02115	2.97516	3.91	-0.374	0.336448	160.4	0.0124	0.705
1978	12	-0.11754	-0.772581	-2.08	-0.34	-0.18915	166.7	0.0126	0.705

Year	Month	Atlantic Multidecadal Oscillation	Arctic Oscillation	North Atlantic Oscillation	Niño 3.4	Pacific Decadal Oscillation	Sunspot Number	Optical Depth (North America)	Greenhouse Gas
1979	1	-0.19975	-1.41484	-3.22	-0.034	0.100531	175.2	0.0128	0.785
1979	2	-0.23106	-5.45E-02	-0.62	0.101	-0.90023	185.4	0.0129	0.785
1979	3	-0.33553	-0.377097	0.54	0.102	-0.11242	193.3	0.0119	0.785
1979	4	-0.29798	-1.38774	-0.79	0.192	0.135933	199.9	0.0109	0.785
1979	5	-0.10883	-0.123871	1	0.032	0.929056	208.5	0.0101	0.785
1979	6	-0.01398	0.71	0.45	0.055	0.753607	216.7	0.0093	0.785
1979	7	-0.06674	0.15871	2.53	-0.393	0.629692	219.5	0.0085	0.785
1979	8	-0.22541	-0.349032	-0.85	-0.126	0.362663	220.1	0.0079	0.785
1979	9	-0.15134	-1.45E-02	1.12	0.294	1.105631	220.4	0.0072	0.785
1979	10	-0.12661	-1.18129	-1.95	-0.063	1.638039	223.4	0.0067	0.785
1979	11	-0.07285	0.695161	1.95	-0.084	1.245035	229.8	0.0061	0.785
1979	12	-0.17304	1.72742	2.07	0.36	1.187649	232.9	0.0057	0.785
1980	1	-0.07675	-1.27484	-1.8	0.376	0.952979	232	0.0052	0.807
1980	2	-0.14796	0.355484	0.7	0.281	1.548587	230.2	0.0048	0.807
1980	3	-0.12113	-0.987097	-0.68	0.072	1.182454	227.9	0.0044	0.807
1980	4	-0.00908	-0.257742	0.03	0.182	1.593675	224.6	0.0041	0.807
1980	5	0.002068	-0.993871	-2.26	-0.018	1.700855	221.3	0.0038	0.807
1980	6	-0.02118	0.53	-0.2	0.355	0.011998	219.1	0.0043	0.807
1980	7	-0.15354	-0.48129	-0.91	-0.103	0.012779	216.1	0.0056	0.807
1980	8	-0.31071	-7.90E-02	0.3	-0.116	0.029982	212	0.0066	0.807
1980	9	-0.27364	0.295484	1.72	-0.286	-0.03328	211.5	0.0069	0.807
1980	10	-0.10761	-0.64129	-0.87	-0.373	1.655012	211.9	0.0069	0.807
1980	11	-0.32095	-0.914839	-2.06	-0.164	1.503212	209.1	0.0066	0.807
1980	12	-0.24484	0.187419	1.55	0.13	0.888435	202.8	0.0062	0.807
1981	1	-0.22755	1.22516	1	-0.564	1.890802	199.6	0.006	0.825
1981	2	-0.14416	0.665484	1.04	-0.559	1.869204	202.2	0.0056	0.825
1981	3	-0.09943	-1.0771	0.01	-0.298	1.9624	205.4	0.0052	0.825
1981	4	-0.15378	0.612258	-3.04	-0.698	1.58364	205.7	0.0048	0.825
1981	5	-0.05403	0.416129	0.05	-0.428	1.55876	204.1	0.0044	0.825
1981	6	-0.06348	-0.53	-1.57	-0.375	1.959129	200.9	0.0053	0.825
1981	7	-0.35964	0.62871	1.74	-0.823	1.004524	198.5	0.0062	0.825
1981	8	-0.36171	0.100968	1.01	-0.716	0.466517	199.9	0.0058	0.825
1981	9	-0.07824	-1.11452	0.27	-0.466	0.762455	202.7	0.0054	0.825
1981	10	-0.29051	-1.62129	-1.06	-0.373	0.050243	201.4	0.0055	0.825
1981	11	-0.10885	0.175161	1.66	-0.984	0.775195	196	0.0056	0.825
1981	12	0.057758	-0.892581	-2.2	-0.5	1.327348	194.1	0.0056	0.825
1982	1	-0.13365	-0.144839	-0.72	0.15	0.331487	192.7	0.0062	0.840
1982	2	-0.18606	1.78548	2.25	-0.02	0.171482	186.6	0.0062	0.840
1982	3	0.024767	1.4829	1.66	-0.02	-0.05796	180	0.0062	0.840
1982	4	-0.19208	1.43226	-0.99	0.24	-0.15276	173.4	0.0438	0.840
1982	5	-0.18173	-0.243871	1.1	0.69	-0.73072	167.5	0.08	0.840
1982	6	-0.23208	-1.2	-1.86	1.1	-0.46115	164	0.0954	0.840
1982	7	-0.37444	0.20871	-0.65	0.88	0.52409	161.5	0.1118	0.840
1982	8	-0.34271	0.510968	1.45	1.11	0.181057	153.5	0.1157	0.840
1982	9	-0.29004	0.545484	1.08	1.39	1.038359	141.4	0.1174	0.840
1982	10	-0.42651	-0.51129	0.32	1.95	0.466116	133.3	0.1214	0.840
1982	11	-0.35695	0.975161	1.71	2.16	-0.17444	131.3	0.1255	0.840
1982	12	-0.41834	1.48742	2.64	2.64	0.956272	130.5	0.1338	0.840
1983	1	-0.27295	2.48516	4.82	2.79	1.223084	127.9	0.1304	0.859
1983	2	-0.14296	-0.414516	-1.25	2.41	1.870487	123.9	0.127	0.859

Year	Month	Atlantic Multidecadal Oscillation	Arctic Oscillation	North Atlantic Oscillation	Niño 3.4	Pacific Decadal Oscillation	Sunspot Number	Optical Depth (North America)	Greenhouse Gas
1983	3	-0.09453	0.262903	1.79	1.81	2.550256	117.1	0.1329	0.859
1983	4	-0.11908	-0.837742	-1.01	1.13	1.970217	110.5	0.1247	0.859
1983	5	-0.15463	-0.423871	-0.57	1.04	1.640726	104.5	0.1165	0.859
1983	6	-0.21868	0.29	0.54	0.59	2.332088	95.9	0.1072	0.859
1983	7	-0.03904	0.31871	-0.75	-0.15	2.876489	89.1	0.0987	0.859
1983	8	-0.30021	1.37097	0.56	-0.29	1.672593	88.9	0.0908	0.859
1983	9	-0.40964	-3.45E-02	-0.65	-0.28	0.719573	91.7	0.0835	0.859
1983	10	-0.10411	1.10871	2.06	-0.82	0.818919	92	0.0769	0.859
1983	11	-0.20145	3.52E-02	-2.28	-1.07	1.664051	89.7	0.0707	0.859
1983	12	-0.10974	0.567419	0.83	-0.98	1.966185	85.5	0.0651	0.859
1984	1	-0.13415	1.59516	2.53	-0.93	1.600917	80.5	0.0599	0.877
1984	2	-0.03006	0.675484	1.73	-0.33	1.088183	75.8	0.0551	0.877
1984	3	-0.08853	-1.6871	-2.12	-0.36	1.603453	71.2	0.0507	0.877
1984	4	0.08222	-0.237742	0.33	-0.39	0.950072	66.8	0.0467	0.877
1984	5	-0.12983	0.586129	-2.34	-0.46	0.907342	63.5	0.0429	0.877
1984	6	-0.34508	-8.00E-02	0.33	-0.79	-0.38194	61.7	0.0395	0.877
1984	7	-0.32144	6.87E-02	0.93	-0.48	-0.50416	58.3	0.0363	0.877
1984	8	-0.12081	0.830968	1	-0.48	0.207456	52.2	0.0335	0.877
1984	9	-0.11344	-0.394516	-1.31	-0.29	0.165347	44.3	0.0308	0.877
1984	10	-0.30741	-0.48129	1.66	-0.76	0.739218	37.2	0.0283	0.877
1984	11	-0.31965	-0.534839	-1.16	-1.24	0.553372	31.6	0.0261	0.877
1984	12	-0.21214	0.827419	1.52	-1.57	0.416818	27.4	0.024	0.877
1985	1	-0.31265	-1.77484	-2.87	-1.14	1.114513	25.2	0.0178	0.896
1985	2	-0.28046	-1.05452	-0.24	-1.05	0.404467	23.5	0.0175	0.896
1985	3	-0.20073	0.972903	0.07	-0.99	-0.09544	21.7	0.0146	0.896
1985	4	-0.24728	0.512258	0.34	-0.98	-0.21445	21.3	0.0141	0.896
1985	5	-0.24993	-0.333871	-2.13	-0.74	-0.29244	21.4	0.0128	0.896
1985	6	-0.08928	-0.5	-1.08	-0.79	0.472625	20.8	0.0118	0.896
1985	7	-0.00564	-0.28129	1.09	-0.53	0.900456	19.9	0.0109	0.896
1985	8	-0.48611	0.120968	2.33	-0.32	0.766763	19.6	0.0108	0.896
1985	9	-0.30974	-7.45E-02	0	-0.47	0.353877	19.8	0.0107	0.896
1985	10	-0.36391	0.87871	0.14	-0.5	0.387478	19.7	0.0106	0.896
1985	11	-0.42305	-1.00484	-2.85	-0.46	-0.65827	19.1	0.0106	0.896
1985	12	-0.39854	-1.64258	-0.43	-0.46	0.669992	17.3	0.0139	0.896
1986	1	-0.30695	0.445161	1.46	-0.78	1.595823	15.2	0.0176	0.916
1986	2	-0.32766	-1.61452	-4.02	-0.78	2.04639	14.3	0.0203	0.916
1986	3	-0.26873	2.8229	2.86	-0.57	2.235296	14.3	0.0164	0.916
1986	4	-0.30878	4.23E-02	-0.93	-0.34	1.462237	15.1	0.0171	0.916
1986	5	-0.17393	0.436129	2.16	-0.35	1.21757	15.8	0.0157	0.916
1986	6	-0.19828	0.59	-1.29	0.04	1.17884	15.2	0.0136	0.916
1986	7	-0.19724	2.87E-02	0.88	0.15	1.510857	15.1	0.0116	0.916
1986	8	-0.26341	-0.489032	-2.21	0.33	0.28113	14.4	0.0113	0.916
1986	9	-0.24564	-3.45E-02	-1.34	0.61	0.217319	13.5	0.0126	0.916
1986	10	-0.43261	1.30871	2.27	0.88	1.12736	14.7	0.0133	0.916
1986	11	-0.46515	1.13516	3.41	1.08	1.814295	16.6	0.0133	0.916
1986	12	-0.34314	0.697419	3.42	1.13	1.924603	18.3	0.0135	0.916
1987	1	-0.19705	0.135161	-2.12	1.34	1.976009	19.9	0.0146	0.936
1987	2	-0.26786	-0.584516	-0.24	1.3	2.405482	22.3	0.0136	0.936
1987	3	-0.06303	-1.1871	0.29	1.25	1.810627	25.5	0.0124	0.936
1987	4	-0.01138	0.572258	2.59	1.02	2.045003	28	0.0116	0.936

Year	Month	Atlantic Multidecadal Oscillation	Arctic Oscillation	North Atlantic Oscillation	Niño 3.4	Pacific Decadal Oscillation	Sunspot Number	Optical Depth (North America)	Greenhouse Gas
1987	5	-0.07483	0.436129	-0.81	0.9	1.853794	30.3	0.0114	0.936
1987	6	-0.11028	-0.76	-0.58	1.38	1.242756	32.7	0.0106	0.936
1987	7	-0.02924	-0.28129	-1.24	1.58	2.400947	36.2	0.0095	0.936
1987	8	0.16629	-0.669032	-2.99	1.76	2.460837	40.5	0.0094	0.936
1987	9	-0.11074	0.185484	1.27	1.67	2.496806	45.3	0.01	0.936
1987	10	-0.24611	-0.13129	-0.8	1.38	1.704178	51	0.0097	0.936
1987	11	-0.28045	-0.224839	-0.67	1.34	1.644913	55.1	0.0097	0.936
1987	12	-0.35834	-0.182581	-0.81	1.03	1.99218	60.9	0.0093	0.936
1988	1	-0.35395	1.29516	0.53	0.75	1.275078	69.2	0.0092	0.963
1988	2	-0.27096	-0.234516	-0.11	0.5	1.126773	76.9	0.0099	0.963
1988	3	-0.21233	0.172903	0.78	0.09	1.181477	84.9	0.0079	0.963
1988	4	-0.15818	-0.427742	-2.39	-0.46	0.963067	93	0.0074	0.963
1988	5	-0.01403	-0.703871	-1.24	-1.37	0.940538	101.4	0.0067	0.963
1988	6	-0.08458	0.12	-2.75	-1.54	0.650072	114.3	0.0059	0.963
1988	7	-0.14574	-7.13E-02	1.46	-1.65	0.301684	128.5	0.0054	0.963
1988	8	-0.30631	0.500968	0.73	-1.58	-0.44433	141.1	0.0056	0.963
1988	9	-0.31594	0.965484	0.8	-1.29	-0.38528	151.2	0.0062	0.963
1988	10	-0.20381	5.87E-02	-2.02	-2.07	-0.24534	156.9	0.006	0.963
1988	11	0.021852	0.465161	-1.47	-2.38	0.115253	164.4	0.0062	0.963
1988	12	-0.18584	2.14742	1.85	-2.24	0.110951	176.1	0.0064	0.963
1989	1	-0.11945	4.05516	3.53	-2.04	-1.24697	184.8	0.0077	0.984
1989	2	0.004142	4.02548	3.61	-1.39	-1.19101	190.7	0.0063	0.984
1989	3	-0.01633	1.9729	2.45	-1.32	-0.89059	198	0.0057	0.984
1989	4	-0.10608	-0.257742	-0.48	-1.09	-0.20682	203.8	0.0058	0.984
1989	5	0.155268	0.906129	1.16	-0.76	0.017372	209.5	0.0051	0.984
1989	6	0.468421	0.25	-0.53	-0.67	0.163039	212.1	0.0051	0.984
1989	7	0.263865	0.98871	0.58	-0.48	0.666432	212	0.0048	0.984
1989	8	0.00409	0.830968	1.76	-0.49	-0.5	211.1	0.0045	0.984
1989	9	-0.24044	0.815484	-0.96	-0.47	-0.54873	210.5	0.0049	0.984
1989	10	-0.25011	0.79871	0.88	-0.43	-0.285	212.4	0.005	0.984
1989	11	-0.13715	0.285161	-2.97	-0.41	-0.55916	212.5	0.0053	0.984
1989	12	-0.37794	-0.202581	-2.23	-0.19	0.409112	206.2	0.0053	0.984
1990	1	-0.34525	1.78516	3.5	-0.02	-0.05724	201.2	0.0069	1.000
1990	2	-0.26836	3.84548	5.11	0.23	-0.66937	202.4	0.0096	1.000
1990	3	-0.38833	3.7929	3.11	0.24	-0.10224	200.9	0.0053	1.000
1990	4	-0.31178	1.96226	1.77	0.24	0.431603	198.1	0.0039	1.000
1990	5	-0.28053	1.28613	-1.19	0.21	0.11762	195.1	0.0048	1.000
1990	6	-0.19998	0.2	0.42	-0.07	0.072467	192	0.0047	1.000
1990	7	-0.23104	-0.14129	1.43	0.03	-0.24745	190.1	0.0047	1.000
1990	8	-0.02761	0.150968	3.31	0.23	-0.13284	191.6	0.0049	1.000
1990	9	0.089661	-0.234516	-0.99	0.03	-0.20046	194.6	0.0051	1.000
1990	10	-0.06701	0.46871	-0.59	0.29	-0.8801	195.2	0.0052	1.000
1990	11	-0.23295	0.515161	-1.48	0.07	-1.517	195.2	0.0054	1.000
1990	12	-0.18164	1.56742	0.34	0.34	-1.67331	197.8	0.0055	1.000
1991	1	-0.29765	1.61516	1.87	0.44	-1.3031	202.8	0.0059	1.016
1991	2	-0.18696	0.335484	-0.02	0.21	-0.52245	204.4	0.0055	1.016
1991	3	-0.09573	-0.117097	-1.37	0.03	-0.67665	203.9	0.0049	1.016
1991	4	-0.26638	0.642258	1.48	0.2	-1.17465	203.8	0.0048	1.016
1991	5	-0.36053	0.676129	-0.04	0.5	-1.29057	202.9	0.0046	1.016
1991	6	-0.47718	-0.3	-0.31	0.71	-1.78709	202.8	0.0205	1.016

Year	Month	Atlantic Multidecadal Oscillation	Arctic Oscillation	North Atlantic Oscillation	Niño 3.4	Pacific Decadal Oscillation	Sunspot Number	Optical Depth (North America)	Greenhouse Gas
1991	7	-0.48784	-4.13E-02	-0.28	0.7	-1.12563	203.5	0.0402	1.016
1991	8	-0.28941	1.15097	2.71	0.62	-0.34564	203.3	0.0668	1.016
1991	9	-0.35524	-8.45E-02	-1.12	0.35	0.666272	200.9	0.0958	1.016
1991	10	-0.36951	-0.37129	-1.77	0.94	0.519756	196.7	0.1187	1.016
1991	11	-0.23325	0.655161	1.68	1.21	0.523479	191.4	0.1281	1.016
1991	12	-0.14164	2.18742	1.24	1.8	0.165414	183.1	0.1468	1.016
1992	1	-0.17465	2.07516	0.64	1.84	0.747267	172.6	0.1627	1.027
1992	2	-0.12076	2.19548	3.18	1.91	0.768324	161.1	0.1691	1.027
1992	3	-0.13273	1.6229	1.66	1.61	0.573578	151.8	0.1585	1.027
1992	4	-0.13788	-0.627742	1.32	1.36	0.845743	146	0.1456	1.027
1992	5	-0.20983	1.47613	0.8	1.14	1.757376	142.1	0.1424	1.027
1992	6	-0.26668	-0.27	-1.74	0.37	1.552334	137.1	0.1199	1.027
1992	7	-0.39264	0.30871	1.04	0.31	1.607134	128.5	0.1155	1.027
1992	8	-0.50461	0.730968	3.97	-0.18	1.17652	119.3	0.1068	1.027
1992	9	-0.35634	-0.724516	0.99	-0.24	0.754121	113	0.1021	1.027
1992	10	-0.37021	-0.43129	-3.33	-0.35	1.482185	109	0.0975	1.027
1992	11	-0.30455	0.985161	4.52	-0.14	1.542723	106.3	0.0914	1.027
1992	12	-0.26964	1.95742	0.21	0.16	0.947743	104.5	0.0823	1.027
1993	1	-0.16645	4.49516	3.91	0.12	0.510861	101.9	0.078	1.035
1993	2	-0.08836	1.55548	0.11	0.25	0.782691	99.3	0.0688	1.035
1993	3	-0.24363	1.5729	1.47	0.44	0.972428	95.4	0.0619	1.035
1993	4	-0.08188	-0.217742	0.83	0.81	1.380594	90.2	0.0562	1.035
1993	5	-0.23493	-1.41387	-2.59	0.97	2.12545	84.2	0.0495	1.035
1993	6	-0.50248	-0.64	0.16	0.63	2.377542	78.6	0.0426	1.035
1993	7	-0.65164	-0.48129	0.64	0.33	1.430943	76.5	0.0365	1.035
1993	8	-0.23081	-0.159032	0.75	0.02	2.203701	73.6	0.0356	1.035
1993	9	-0.12844	-0.404516	-2.6	0.2	1.385192	68.3	0.0341	1.035
1993	10	-0.39101	-0.55129	-4.13	0.24	1.622047	63.2	0.0324	1.035
1993	11	-0.25855	1.45516	0.77	0.26	1.219729	58.4	0.0308	1.035
1993	12	-0.31454	7.74E-02	2.17	0.19	1.329783	55.1	0.0294	1.035
1994	1	-0.26755	0.305161	1.28	0.03	1.462253	52.6	0.0279	1.048
1994	2	-0.19166	-5.45E-02	0.07	-0.13	0.402221	50.2	0.0262	1.048
1994	3	-0.18293	2.2629	3.68	0.05	0.659955	49.4	0.0235	1.048
1994	4	-0.16258	0.212258	1.38	0.12	1.033226	49.6	0.0219	1.048
1994	5	-0.21743	0.106129	-1.43	0.19	0.98956	48.7	0.0193	1.048
1994	6	-0.31908	1.41	2.99	0.34	0.316585	46.4	0.0165	1.048
1994	7	-0.30454	0.52871	-0.09	0.13	-0.59667	42.7	0.0151	1.048
1994	8	-0.26691	1.07097	-1.59	0.53	-0.97881	40.1	0.0153	1.048
1994	9	-0.25974	-6.45E-02	-2.85	0.28	-1.34748	39.7	0.0144	1.048
1994	10	-0.09961	7.87E-02	-1.88	0.8	-0.7973	39.4	0.0147	1.048
1994	11	-0.10405	1.99516	1.68	1.22	-1.41422	38.7	0.0149	1.048
1994	12	-0.02074	1.31742	2.86	1.3	-1.69478	37.6	0.016	1.048
1995	1	-0.00745	0.985161	2.7	0.98	0.080998	35.6	0.0113	1.064
1995	2	-0.04806	2.21548	3.13	0.73	1.219539	33.7	0.0112	1.064
1995	3	0.042467	0.772903	1.06	0.41	1.134763	32	0.0108	1.064
1995	4	0.07562	-0.937742	-1.81	0.15	1.20777	29.4	0.0099	1.064
1995	5	0.225268	-0.763871	-0.36	-0.12	1.603149	27.3	0.0091	1.064
1995	6	0.263421	-0.1	-3.36	-0.06	1.795361	25.9	0.0083	1.064
1995	7	0.080965	-8.13E-02	-0.96	-0.21	1.249879	24.4	0.0077	1.064
1995	8	-0.16091	0.830968	-1.33	-0.49	0.115578	22	0.0071	1.064

Year	Month	Atlantic Multidecadal Oscillation	Arctic Oscillation	North Atlantic Oscillation	Niño 3.4	Pacific Decadal Oscillation	Sunspot Number	Optical Depth (North America)	Greenhouse Gas
1995	9	-0.24284	-0.304516	-1.55	-0.76	1.341349	19	0.0065	1.064
1995	10	-0.08851	-4.13E-02	1.22	-1.02	0.78901	17	0.0069	1.064
1995	11	-0.05905	-0.304839	-2.73	-0.99	0.355162	15.9	0.0075	1.064
1995	12	-0.05904	-1.32258	-3.33	-1	0.47637	15.1	0.0072	1.064
1996	1	-0.10445	-0.164839	-3.27	-0.83	0.859323	14.5	0.0073	1.079
1996	2	-0.16496	1.20548	-0.12	-0.87	1.345244	14.2	0.0071	1.079
1996	3	-0.12243	-0.877097	-2.57	-0.6	1.179091	13.7	0.0071	1.079
1996	4	0.00472	-1.36774	-0.31	-0.42	1.271369	12	0.0069	1.079
1996	5	-0.20303	-0.223871	-1.5	-0.48	1.948076	11.2	0.0063	1.079
1996	6	-0.28278	0.32	1.43	-0.33	0.94745	11.6	0.0059	1.079
1996	7	-0.27574	0.77871	1.47	-0.13	0.426146	11.3	0.0056	1.079
1996	8	-0.19981	0.420968	-0.19	-0.26	-0.53882	11.2	0.0054	1.079
1996	9	0.045661	-1.16452	-2.23	-0.37	0.049441	11.3	0.0049	1.079
1996	10	-0.02341	-7.13E-02	-0.07	-0.45	0.344759	12	0.0054	1.079
1996	11	-0.07835	0.295161	-0.05	-0.46	0.891885	13.4	0.0058	1.079
1996	12	-0.05614	-1.38258	-4.7	-0.55	0.673773	14.3	0.0056	1.079
1997	1	0.065549	0.795161	-1.95	-0.61	1.233972	14.5	0.0061	1.090
1997	2	0.090742	2.95548	5.26	-0.36	0.806879	15.2	0.0056	1.090
1997	3	-0.00413	1.5329	2.09	-0.19	1.035971	18.3	0.0054	1.090
1997	4	0.01562	0.562258	-0.97	0.25	1.197037	22	0.0055	1.090
1997	5	-0.02903	-0.873871	-1.35	0.75	1.851051	24.4	0.0049	1.090
1997	6	-0.38648	-0.83	-4.05	1.29	2.890931	27.2	0.0044	1.090
1997	7	-0.04264	-0.19129	1.18	1.7	1.718907	30.4	0.0046	1.090
1997	8	-0.13761	0.480968	1.78	2.02	2.393675	33.6	0.0048	1.090
1997	9	-0.12734	0.315484	-0.67	2.21	2.047995	38.2	0.0041	1.090
1997	10	-0.05011	-0.90129	-2.26	2.54	2.369808	43.1	0.0045	1.090
1997	11	-0.16565	-0.174839	-0.99	2.67	1.952195	47.1	0.0042	1.090
1997	12	-0.09724	0.437419	-0.2	2.69	2.043158	52	0.0038	1.090
1998	1	-0.03605	-1.11484	-0.28	2.53	2.053677	58.4	0.0035	1.111
1998	2	-0.15836	1.14548	2.44	2.14	2.95358	65.4	0.0032	1.111
1998	3	0.068267	0.402903	1.24	1.45	2.317311	72	0.003	1.111
1998	4	0.00922	3.23E-02	-0.39	0.78	1.165043	76.9	0.0028	1.111
1998	5	0.046568	0.596129	-1.26	0.62	0.441181	80.8	0.0026	1.111
1998	6	0.138021	-0.93	-0.85	-0.93	0.114794	85.4	0.0024	1.111
1998	7	0.106665	-0.23129	-0.57	-1.28	-0.30441	89.8	0.0023	1.111
1998	8	0.20199	0.780968	1.8	-1.33	0.227836	93.5	0.0022	1.111
1998	9	0.186361	-0.964516	-3.48	-1.11	-0.50429	96.4	0.0021	1.111
1998	10	0.231086	-1.29E-03	1.34	-1.35	-1.3725	98.2	0.0021	1.111
1998	11	0.401252	-1.17484	1.13	-1.47	-0.5106	102.4	0.0021	1.111
1998	12	0.345058	1.65742	1.95	-1.78	-0.05351	110.4	0.0021	1.111
1999	1	0.203549	0.855161	0.9	-1.67	0.056188	118.4	0.0021	1.129
1999	2	0.138942	1.37548	1.8	-1.31	-0.07083	122.5	0.0021	1.129
1999	3	0.413367	-1.2171	-0.72	-0.97	-0.64596	122.3	0.0021	1.129
1999	4	0.40532	0.222258	0.43	-0.94	-1.25966	125	0.0021	1.129
1999	5	0.531768	0.246129	1.03	-0.88	-1.72269	132.6	0.0021	1.129
1999	6	0.367321	0.75	1.39	-1.05	-1.72157	136.3	0.0021	1.129
1999	7	0.232565	8.71E-03	-1.85	-0.87	-1.2338	138.1	0.0021	1.129
1999	8	0.46309	-0.279032	-3.67	-1.23	-1.29941	142.9	0.0021	1.129
1999	9	0.130961	6.55E-02	-0.51	-1.01	-1.50215	150.5	0.0021	1.129
1999	10	0.025886	-0.26129	-0.69	-1.05	-1.86795	159.3	0.0021	1.129

Year	Month	Atlantic Multidecadal Oscillation	Arctic Oscillation	North Atlantic Oscillation	Niño 3.4	Pacific Decadal Oscillation	Sunspot Number	Optical Depth (North America)	Greenhouse Gas
1999	11	-0.12245	0.995161	0.3	-1.53	-1.63294	164.1	0.0021	1.129
1999	12	0.086558	1.16742	2.13	-1.67	-0.92456	164	0.0021	1.129
2000	1	0.125649	1.80516	0.35	-1.92	-1.69262	166.1	0.0021	1.140
2000	2	0.153442	2.24548	4.37	-1.53	-0.45647	170.6	0.0021	1.140
2000	3	0.254067	0.272903	0.54	-1.14	0.115022	174.3	0.0021	1.140
2000	4	0.12102	-0.217742	-3.34	-0.77	0.204016	175.2	0.0021	1.140
2000	5	0.330068	1.05613	0.31	-0.73	-0.54867	172.9	0.0021	1.140
2000	6	0.124321	0.51	0.89	-0.62	-0.43286	172.7	0.0021	1.140
2000	7	0.141965	-0.54129	-2.99	-0.5	-1.24826	174.2	0.0021	1.140
2000	8	0.08459	0.320968	0.78	-0.37	-1.56173	172.8	0.0021	1.140
2000	9	0.157461	0.515484	-1.1	-0.51	-1.18547	168.8	0.0021	1.140
2000	10	0.133486	0.14871	2.26	-0.73	-1.53269	165.3	0.0021	1.140
2000	11	0.276952	-1.37484	-0.24	-0.87	-0.89495	163.1	0.0021	1.140
2000	12	0.075158	-2.12258	-1.41	-0.98	0.316541	162.7	0.0021	1.140
2001	1	0.012549	0.175161	0.02	-0.83	1.107793	158.3	0.0021	1.151
2001	2	0.164942	0.175484	0.07	-0.61	0.480825	152.5	0.0021	1.151
2001	3	0.017667	-1.3171	-0.68	-0.38	0.59996	155.1	0.0021	1.151
2001	4	0.01302	0.922258	1.24	-0.26	-0.45562	160.7	0.0021	1.151
2001	5	-0.06973	0.478129	-0.09	-0.25	-0.34312	163.7	0.0021	1.151
2001	6	0.194921	-7.50E-02	-1.33	0.03	-0.56903	167.4	0.0021	1.151
2001	7	-0.03644	-6.23E-02	-1.12	0.1	-1.69068	172	0.0021	1.151
2001	8	0.29319	0.611968	1.64	0.05	-0.98069	175.8	0.0021	1.151
2001	9	0.284261	-0.811516	-3.83	-0.17	-1.15524	177.1	0.0021	1.151
2001	10	0.222086	0.58571	0.88	-0.1	-0.94138	177.3	0.0021	1.151
2001	11	0.025952	0.994161	0.01	-0.2	-0.012	180.3	0.0021	1.151
2001	12	0.222158	-1.24458	-2.25	-0.4	-0.14585	179.1	0.0021	1.151
2002	1	0.192249	1.71616	2.31	-0.07	0.900754	177.6	0.002	1.167
2002	2	0.007142	1.72948	3.01	0.23	0.023027	179.7	0.002	1.167
2002	3	0.016267	1.2449	0.09	0.1	0.139471	178.2	0.0019	1.167
2002	4	0.06012	0.750258	0.91	0.16	-0.22967	174.4	0.0019	1.167
2002	5	-0.16673	0.427129	-0.05	0.3	-0.93329	171.3	0.0016	1.167
2002	6	-0.39518	0.513	0.9	0.78	-0.70237	166.9	0.0015	1.167
2002	7	-0.45524	0.29671	-0.71	0.76	-0.16777	161.5	0.0009	1.167
2002	8	-0.14971	-0.138032	-0.61	0.97	0.47121	155.4	0.0019	1.167
2002	9	-0.17084	-0.147516	-3.58	1.11	0.306128	149.5	0.0019	1.167
2002	10	-0.13231	-1.61029	-1.5	1.36	0.474166	143.9	0.0021	1.167
2002	11	-0.10295	-1.24984	-0.27	1.62	1.864913	136	0.0023	1.167
2002	12	-0.01054	-1.51258	-0.98	1.52	2.30188	131.4	0.0026	1.167
2003	1	0.027849	0.365381	0.15	1.19	2.610811	129.6	0.0029	1.186
2003	2	0.065542	0.951097	1.34	0.77	2.076845	125.7	0.0028	1.186
2003	3	0.069567	1.39428	1.08	0.59	1.995794	118.7	0.0026	1.186
2003	4	0.04452	-0.197025	-1.74	0.03	1.116143	111.9	0.0026	1.186
2003	5	0.033468	1.12066	1.17	-0.48	0.800352	107	0.0023	1.186
2003	6	0.091921	-0.154225	-0.86	-0.17	0.105486	101.7	0.0022	1.186
2003	7	0.260765	0.225123	0.09	0.21	0.748744	96	0.0024	1.186
2003	8	0.19469	3.92E-02	-0.99	0.03	1.135711	92.9	0.0028	1.186
2003	9	0.213761	0.526425	0.35	0.24	0.152914	91.8	0.003	1.186
2003	10	0.285686	-0.718359	-3.68	0.5	1.266842	89.1	0.0029	1.186
2003	11	0.128652	0.937522	0.31	0.4	0.524764	86.9	0.0029	1.186
2003	12	0.197358	0.558233	-0.85	0.32	0.728375	84.1	0.0027	1.186

Year	Month	Atlantic Multidecadal Oscillation	Arctic Oscillation	North Atlantic Oscillation	Niño 3.4	Pacific Decadal Oscillation	Sunspot Number	Optical Depth (North America)	Greenhouse Gas
2004	1	0.293149	-0.848749	0.2	0.17	0.355456	80.1	0.0025	1.199
2004	2	0.134542	-0.705203	-1.23	0.14	0.723385	76.4	0.0023	1.199
2004	3	0.143067	0.779374	1.07	-0.12	0.672102	73.2	0.0023	1.199
2004	4	0.08122	-0.428295	1.08	0.06	0.370189	71	0.0023	1.199
2004	5	0.097068	9.71E-03	-0.67	0.21	0.369878	69.5	0.0021	1.199
2004	6	0.204921	-0.287975	-0.38	0.11	-0.33932	67.1	0.002	1.199
2004	7	0.352465	-5.07E-02	-0.3	0.47	-0.248	64.8	0.0021	1.199
2004	8	0.19349	-0.400644	-0.76	0.72	-0.13097	63	0.0023	1.199
2004	9	-0.04054	0.914855	2.51	0.75	0.003854	60.2	0.0023	1.199
2004	10	-0.04801	-0.563969	-2.18	0.69	-0.40331	57.9	0.0024	1.199
2004	11	-0.03985	0.973372	-0.55	0.66	-0.49619	56.6	0.0025	1.199
2004	12	0.203458	1.52312	1.27	0.74	-0.17915	55.7	0.0026	1.199
2005	1	0.153449	1.19322	1.82	0.53	0.56319	54.5	0.0029	1.213
2005	2	0.160842	-0.447303	-2.25	0.24	0.592626	53.2	0.0031	1.213
2005	3	0.123067	-0.886586	-1.29	0.33	1.527729	52.3	0.0034	1.213
2005	4	0.21162	-6.51E-02	0.71	0.29	1.049957	49.3	0.0036	1.213
2005	5	0.064468	-0.6594	-0.13	0.35	1.485798	45	0.0034	1.213
2005	6	-0.01438	-0.435345	-1	0.4	0.807036	44.5	0.0032	1.213
2005	7	0.204865	0.11956	-0.08	0.25	0.023237	44.6	0.0032	1.213
2005	8	0.23939	0.345687	0.94	0.06	-0.4798	41.9	0.0035	1.213
2005	9	0.098261	0.862235	0.5	-0.09	-0.70785	39.4	0.0036	1.213
2005	10	-0.00061	-1.88E-02	-0.45	0.06	-1.58142	38.9	0.0037	1.213
2005	11	0.048952	0.522792	-1.01	-0.31	-1.33217	38.4	0.0038	1.213
2005	12	0.222658	-1.81088	-0.81	-0.68	0.487027	36	0.0036	1.213
2006	1	0.318549	0.666581	-0.1	-0.93	1.018646	33	0.0035	1.229
2006	2	0.233842	0.667527	-1.24	-0.64	1.124297	29.7	0.0033	1.229
2006	3	0.115367	-1.14249	-1.12	-0.65	0.148446	27.4	0.0032	1.229
2006	4	0.24982	0.119415	0.57	-0.19	0.060579	27	0.0033	1.229
2006	5	0.489868	0.25977	-0.22	0.06	0.276726	27.4	0.003	1.229
2006	6	0.305121	1.01869	-0.41	0.2	0.755863	26.2	0.0032	1.229
2006	7	0.398665	0.252507	0.83	0.13	0.649429	25	0.0039	1.229
2006	8	0.26249	5.43E-02	-2.47	0.4	-0.50195	25.9	0.0043	1.229
2006	9	0.131961	0.666335	-1.02	0.62	-0.96432	26	0.0045	1.229
2006	10	0.138886	-1.07765	-1.97	0.78	0.255002	23.7	0.0047	1.229
2006	11	0.255452	0.816412	1.7	1.08	-0.06036	21.1	0.0052	1.229
2006	12	0.093658	2.57472	3.08	1.19	0.586875	20.2	0.0054	1.229
2007	1	0.170949	2.87085	1.77	0.69	0.599829	19.8	0.0052	1.244
2007	2	0.173842	-0.483603	0.42	0.09	0.311522	19	0.005	1.244
2007	3	0.148567	1.64341	2.03	-0.04	-0.14222	17.7	0.0047	1.244
2007	4	-0.00568	0.525355	-0.1	0	0.39021	16.4	0.0047	1.244
2007	5	0.064968	0.99763	0.62	-0.28	0.233288	14.4	0.0041	1.244
2007	6	-0.05158	-0.607065	-3.34	-0.1	0.251994	12.8	0.004	1.244
2007	7	-0.18954	-0.246713	-1.05	-0.43	0.516068	11.6	0.004	1.244
2007	8	-0.31171	0.285808	-3.41	-0.62	0.132869	9.9	0.004	1.244
2007	9	0.078961	0.238765	-1.18	-0.95	-0.6979	9.6	0.004	1.244
2007	10	0.267886	0.334931	-0.02	-1.47	-1.75034	9.9	0.0041	1.244
2007	11	0.458752	-0.223558	-1.67	-1.59	-1.03574	9.2	0.0043	1.244
2007	12	0.426258	1.11415	1.42	-1.6	-0.43162	7.9	0.004	1.244
2008	1	0.398149	1.65601	1.87	-1.86	-1.22691	6.6	0.0038	1.260
2008	2	0.476642	1.76137	1.81	-1.89	-1.0567	5.6	0.0035	1.260

Year	Month	Atlantic Multidecadal Oscillation	Arctic Oscillation	North Atlantic Oscillation	Niño 3.4	Pacific Decadal Oscillation	Sunspot Number	Optical Depth (North America)	Greenhouse Gas
2008	3	0.347367	1.0469	0.37	-1.15	-0.35214	5.1	0.0034	1.260
2008	4	0.19312	-0.473925	-2.02	-0.95	-1.64875	5.1	0.0034	1.260
2008	5	0.307068	-1.10074	-3.26	-0.67	-1.57153	5.4	0.0032	1.260
2008	6	0.536021	-0.141885	-2.05	-0.48	-1.78986	4.8	0.0031	1.260
2008	7	0.215565	-0.330113	-1.38	-0.03	-1.80846	4	0.0032	1.260
2008	8	0.25119	0.239064	-0.21	0.03	-1.60362	3.8	0.0036	1.260
2008	9	-0.03074	-0.266725	-2.07	-0.28	-1.71691	3.2	0.0048	1.260
2008	10	0.039486	1.62725	0.01	-0.36	-1.34111	2.4	0.0056	1.260
2008	11	0.132652	0.387307	-1.3	-0.35	-1.02649	2.3	0.0059	1.260
2008	12	0.247058	0.940803	-0.58	-0.83	-0.94971	2.2	0.0055	1.260
2009	1	0.175949	1.6368	0.61	-1.03	-1.26406	2.5	0.0047	1.272
2009	2	0.106242	0.150997	-1.43	-0.68	-1.23731	2.7	0.0041	1.272
2009	3	0.125067	0.582654	0.15	-0.55	-1.5864	2.9	0.0039	1.272
2009	4	0.06792	0.953615	1.74	-0.27	-1.73736	3.3	0.0038	1.272
2009	5	0.032468	1.29766	1.52	0.18	-1.01261	3.5	0.0037	1.272
2009	6	0.130321	-1.40281	-3.05	0.47	-0.45166	4.1	0.0037	1.272
2009	7	-0.02074	-1.20609	-0.92	0.72	-0.44246	5.5	0.0067	1.272
2009	8	-0.13671	0.26588	1.07	0.71	-0.00895	7.4	0.0085	1.272
2009	9	-0.36004	0.934355	-0.63	0.75	0.892977	9.5	0.0082	1.272
2009	10	-0.00741	-1.58845	-2	0.94	0.483235	10.9	0.0072	1.272
2009	11	-0.09665	0.753952	1.68	1.54	-0.26318	11.7	0.0065	1.272
2009	12	0.035058	-3.11978	-3.72	1.72	0.299492	12.7	0.0054	1.272
2010	1	-0.04185	-1.74975	-2.38	1.5	0.905817	14	0.0045	1.290
2010	2	-0.16846	-3.4424	-3.25	1.22	1.168926	16.1	0.0039	1.290
2010	3	-0.11423	2.92E-02	-0.8	1.08	1.125844	18.5	0.0037	1.290
2010	4	-0.04048	-0.293415	-1.03	0.59	1.049996	20.8	0.0037	1.290
2010	5	0.040068	-0.81468	-1.66	-0.17	0.675086	23.1	0.0035	1.290
2010	6	0.194621	-6.51E-02	-2.4	-0.65	-0.12222	24.6	0.0035	1.290
2010	7	0.111365	0.585077	0.06	-1.13	-1.47671	25.2	0.0035	1.290
2010	8	0.30679	0.202946	-2.01	-1.32	-1.72992	26.4	0.0036	1.290
2010	9	0.142161	-0.804795	-2.38	-1.65	-1.96865	29.5	0.0036	1.290
2010	10	0.034086	-0.515519	-2.41	-1.68	-0.75528	34.5	0.0035	1.290
2010	11	0.219752	-8.06E-02	-3.34	-1.58	-0.50001	39.1	0.0036	1.290
2010	12	0.208658	-2.33798	-4.62	-1.62	-1.48464	42.5	0.004	1.290
2011	1	0.242249	-0.846049	-1.38	-1.64	-1.25976	45.7	0.0039	1.305
2011	2	0.211742	2.3987	2.79	-1.27	-0.95589	48.8	0.0036	1.305
2011	3	0.067567	1.88541	-0.44	-0.98	-0.73094	53.8	0.0035	1.305
2011	4	0.01142	2.25589	2.39	-0.76	-0.50641	61.1	0.0033	1.305
2011	5	0.180668	6.89E-02	1.08	-0.43	-0.72027	69.3	0.0032	1.305
2011	6	0.056921	-0.909855	-1.58	-0.18	-1.17088	77.2	0.0032	1.305
2011	7	-0.35074	-0.321813	-3.39	-0.26	-2.29699	83.6	0.0067	1.305
2011	8	-0.30251	-0.743054	-0.18	-0.64	-2.33728	86.3	0.0096	1.305
2011	9	0.010161	0.724585	2.97	-0.74	-2.10288	86.6	0.009	1.305
2011	10	0.040486	0.751201	1.45	-0.97	-1.26083	87.4	0.0085	1.305
2011	11	-0.04835	1.7543	0.74	-1.05	-2.56038	89.4	0.0077	1.305
2011	12	0.104758	2.51382	3.2	-1.04	-1.8831	92.5	0.0067	1.305
2012	1	0.312949	0.617391	2.05	-1.08	-1.50856	95.5	0.0056	1.320
2012	2	0.432542	0.786962	1.28	-0.69	-1.00134	98.2	0.0044	1.320
2012	3	0.426667	1.49841	1.78	-0.58	-1.00053	98.3	0.0042	1.320
2012	4	0.36882	-5.35E-02	-2.36	-0.39	0.115354	95.1	0.0043	1.320

Year	Month	Atlantic Multidecadal Oscillation	Arctic Oscillation	North Atlantic Oscillation	Niño 3.4	Pacific Decadal Oscillation	Sunspot Number	Optical Depth (North America)	Greenhouse Gas
2012	5	0.314368	0.27237	-0.83	-0.05	-0.9907	90.9	0.0037	1.320
2012	6	0.429921	-0.724515	-2.58	0.31	-0.77446	86.6	0.0035	1.320
2012	7	0.443965	0.317597	-1.31	0.53	-1.7366	84.5	0.0034	1.320
2012	8	0.50839	1.40E-02	-0.44	0.73	-1.70686	85.1	0.0034	1.320
2012	9	0.366361	7.72E-01	-1.44	0.51	-2.3019	85.3	0.0034	1.320
2012	10	0.212886	-1.51E+00	-3.21	0.29	-0.60984	85.8		1.320
2012	11	0.168552	-1.11E-01	-1.11	0.36	-0.026	87.7		1.320
2012	12	0.343058	-1.75E+00	0.6	-0.11	-0.82901	88.1		1.320
2013	1	0.323249	-6.10E-01	1.08	-0.41	-0.22905	86.8		1.340
2013	2	0.264842	-1.01E+00	-0.26	-0.4	-0.55194	86.1		1.340
2013	3	0.215167	-3.19E+00	-3.75	-0.22	-0.41136	84.4		1.340
2013	4	0.15212	3.22E-01	0.03	-0.1	0.013867	84.3		1.340
2013	5	0.029068	4.94E-01	1.23	-0.27	0.373925	87		1.340
2013	6	-0.13708	5.49E-01	1.4	-0.21	-0.94537	90.9		1.340
2013	7	0.255965	-1.11E-02	2.52	-0.31	-1.82968	94.6		1.340
2013	8	0.06579	1.54E-01	2.16	-0.28	-1.77604	99		1.340
2013	9	0.057161	-4.61E-01	-0.57	-0.07	-0.69396	104.7		1.340
2013	10	0.353886	2.63E-01	-0.36	-0.33	-1.04295	107		1.340
2013	11	0.190452	2.03E+00	0.04	0.01	-0.40248	106.9		1.340
2013	12	0.050358	1.47E+00	3.54	-0.04	-0.60883	107.6		1.340
2014	1	0.154749	-9.69E-01	0.71	-0.51	-0.14082	109.3		1.356
2014	2	0.216342	4.38E-02	2.32	-0.55	-0.22513	110.5		1.356
2014	3	0.135167	1.21E+00	1.64	-0.22	1.122607	114.3		1.356
2014	4	-0.05088	9.72E-01	0.84	0.24	1.338134	116.4		1.356
2014	5	-0.09673	4.64E-01	-0.08	0.46	1.706175	115		1.356
2014	6	-0.04108	-5.07E-01	-1.98	0.46	-0.11207	114.1		1.356
2014	7	0.233765	-4.89E-01	0.91	0.18	0.164951	112.6		1.356
2014	8	0.17719	-3.72E-01	-1.14	0.2	-0.04215	108.3		1.356
2014	9	-0.01534	1.02E-01	-2.1	0.45	0.326938	101.9		1.356
2014	10	0.091886	-1.13E+00	0.31	0.49	1.679018	97.3		1.356
2014	11	0.184052	-5.30E-01	-2.17	0.85	1.84979	94.7		1.356
2014	12	0.137958	4.13E-01	1.89	0.78	2.838521	92.2		1.356
2015	1	0.207449	1.09E+00	2.81	0.53	2.513438	89.3		1.374
2015	2	0.084042	1.04E+00	1.47	0.56	2.583152	86.1		1.374
2015	3	-0.05713	1.84E+00	1.99	0.58	2.312018	82.2		1.374
2015	4	-0.11068	1.22E+00	1.03	0.78	1.55381	78.9		1.374
2015	5	-0.05903	7.63E-01	2.09	1.03	1.063736	76.1		1.374
2015	6	0.026821	4.27E-01	0.28	1.32	1.317254	72.1		1.374
2015	7	-0.15514	-1.11E+00	-2.16	1.6	1.639828	68.3		1.374
2015	8	-0.21451	-6.89E-01	1.47	2.07	0.926161	66.4		1.374
2015	9	-0.05004	-1.65E-01	-1.65	2.28	1.338548	65.9		1.374
2015	10	-0.16811	-2.50E-01	-1.13	2.46	1.56665	64.3		1.374
2015	11	-0.15365	1.95E+00	3.54	2.95	0.814794	61.2		1.374
2015	12	-0.01854	1.44E+00	4.22	2.82	1.474366	57.8		1.374

Supplemental material 2: R Code

Calculating CCF	
Note: Have to use two back slashes to navigate directories D:\Thèse\Data is D:\\Thèse\\Data in R	
Steps	**Code**
Step 1: Setting working directory	setwd("E:\\Thèse\\Data")
Step 2: Choose the Input file **Should be comma space delimited (.csv)	link <- file.choose()
Step 3: Read in .csv table of data **Rename it as DF (short for Data Frame) Double check to make sure data looks right * Type DF to see the dataset * Type head(DF) to see first 5 rows * Type tail(DF) to see last 5 rows	DF <- read.csv (link, TRUE, ",")
Step 4: Create smaller data frame * Create a new data frame that only contains the record for the "verification period" * Time period chosen for this was 1900-1979 *Note*: In the data frame "DF" there is columns and rows. When typing DF you can see the row numbers alongside the columns to extract only a specific set of years determine the starting row number and then the last row number you need * Putting a "**:**" between them means you want to include all numbers between those two.	DF2 <- DF[*a*:*b*,] *a*= represents the first row selected in the new data frame *b*= represents the last row selected in the new data frame

Note: To subset from a data frame [rows,columns] method can used. If you want rows you type the rows you want in between those brackets with a comma after. * If you wanted columns then you would do the comma first. If you wanted a subset of both you could do [1:10, 1:10] which would give you the first ten rows and first ten columns	
Step 5: Compute CCFs This will display the CCF/Lag graph To compute CCFs you should remember that you can press ?ccf to get an explanation of all the inputs for this function. ? before any function will do the same Note: x is the independent, y is the dependent Here is an example for the ccf for the AMO * na.action = na.pass means we allow NAs and * lag.max = defines the length of the lag you want to use ylim= size of the y axis font= font size ylab= y axis title xlab= x axis title main= title of the graph	AMOTccf<-ccf(DF2$*x*,DF2$*y*, na.action = na.pass, lag.max=*x*, ylim=c(*a*,*a*), font=2, font.lab=2, ylab="*y axis title*", xlab=" *x axis title* " main="*title of graph* " Example used: AMOTccf <- ccf(DF2$AMO, DF2$East, na.action = na.pass, lag.max=120, ylim=c(-0.3,0.4), font=2, font.lab=2, ylab="Cross-correlation Function (CCF)", xlab="Lag (Annual)", family="serif", cex.lab=1.5, cex.axis=1.5, main="Atlantic Multidecadal Oscillation & Annual Temperature - East", bg="grey",cex=1.50, ci= 0.99, ci.col="grey", lwd=1)
Step 6: Display the values at every lag	AMOTccf

Linear, multiple regression models and testing for collinearity

Steps	Code
Step 1: Download packages in R * Package HH * Package car	library(HH) library(car)
Step 2: Setting working directory	setwd("E:\\Thèse\\Data")
Step 3: Choose the Input file **Should be comma space delimeted (.csv)	link <- file.choose()
Step 4: Read in .csv table of data **Rename it as DF (short for Data Frame) Double check to make sure data looks right * Type DF to see the dataset * Type head(DF) to see first 5 rows * Type tail(DF) to see last 5 rows	DF <- read.csv (link, TRUE, ",")
Step 5: Define the inputs Note: x is the independent, y is the dependent * y → stands for the temperature anomaly * x → x values are all the indices	x <- DF$Years y <- DF$T x1 <- DF$AMO x2 <- DF$AO x3 <- DF$NAO x4 <- DF$NINO x5 <- DF$PDO x6 <- DF$Optical x7 <- DF$Sun x8 <- DF$GHG
Step 6: Create the linear models	Linear model LM <-lm(y~x1)
Step 7: See the summary of the stats for that model	summary(LM) plot(LM)
Step 8: Get the linear prediction from the above model	pfit <- LM$fit as.data.frame(pfit)
Step 9: Get the residuals from the above model	rfit <- LM$resid

	as.data.frame(rfit)
Step 10: Creating a Multiple Regression Model	MLR <- lm(y~x1+x2)
Step 11: See the summary of the stats for that model	summary(MLR) plot(MLR)
Step 12: Get the linear prediction from the above model	mpfit <- MLR$fit as.data.frame(mpfit)
Step 13: Get the residuals from the above model	mrfit <- MLR$resid as.data.frame(mrfit)
Step 14: Testing Models for Collinearity * Calculate Variance Inflation Factors	vif(MLR)

Plotting natural-only model and natural-plus model on temperature composite

Steps	Code
Step 1: Setting working directory	setwd("E:\\Thèse\\Data")
Step 2: Choose the Input file **Should be comma space delimeted (.csv)	link <- file.choose()
Step 3: Read in .csv table of data **Rename it as DF (short for Data Frame) Double check to make sure data looks right * Type DF to see the dataset * Type head(DF) to see first 5 rows * Type tail(DF) to see last 5 rows	DF <- read.csv (link, TRUE, ",")
Step 4: Define the inputs Note: x is the independent, y is the dependent * y → stands for the temperature anomaly * x → x values are all the indices	x <- DF$Years y <- DF$T a <- DF$M1 b <- DF$M2
Step 5: Plot temperature composite	plot(x,y, type="l", lwd=1, ylim= c(*a*,*a*), col="black",

ylim= size of the y axis ylab= y axis title xlab= x axis title main= title of the graph	main="*title of graph* " ylab="*y axis*, xlab=" *x axis title* ") Example: plot(x,y, type="l", lwd=1, ylim=c(-2.5,2.5), col="black", main="Annual - South - Test Values vs. Modeled values noGHG", ylab="Temp anomaly", xlab="Years")
Step 6: Add natural-only model *col → select color of line (red)	lines(x,a, col="red", lwd=2.5)
Step 7: Add natural-plus model *col → select color of line (blue)	lines(x,b, col="blue", lwd=2.5)

Density Plots	
Steps	**Code**
Step 1: Setting working directory	setwd("E:\\Thèse\\Data")
Step 2: Choose the Input file **Should be comma space delimeted (.csv)	link <- file.choose()
Step 3: Read in .csv table of data **Rename it as DF (short for Data Frame) Double check to make sure data looks right * Type DF to see the dataset * Type head(DF) to see first 5 rows * Type tail(DF) to see last 5 rows	DF <- read.csv (link, TRUE, ",")
Step 4: Define the inputs Note: x is the independent, y is the dependent * y → stands for the temperature anomaly * x → x values are all the indices	x <- DF$Years y <- DF$T
Step 5: Separate the series in 3 times blocks	a <- y[l:m]

a→1900-1940 b→1941-1980 c→1981-2015	b <- y[n:o] c <- y[p:q7]
Step 5: Calculate density plot for first block of time xlim= size of the x axis ylim= size of the y axis main= title of the graph	plot(density(a, na.rm=TRUE), xlim= c(*a*,*a*), ylim= c(*a*,*a*), main=" *title of graph* ") Example: plot(density(a, na.rm=TRUE), xlim=c(-3,4), ylim=c(0,0.7), main="Annual - Nova Scotia")
Step 6: Add density plot for second block of time *col → select color of line (red)	lines(density(b, na.rm=TRUE), col="red")
Step 7: Add density plot for last block of time *col → select color of line (blue)	lines(density(c, na.rm=TRUE), col="blue")
Step 8: Add lengend	legend("topright", col=c("black","red", "blue"),lty=c(1,1), legend=c("1900 to 1940", "1941 to 1980", "1981 to 2015"))

Plotting rolling average	
Steps	**Code**
Step 1: Setting working directory	setwd("E:\\Thèse\\Data")
Step 2: Choose the Input file **Should be comma space delimeted (.csv)	link <- file.choose()
Step 3: Read in .csv table of data **Rename it as DF (short for Data Frame) Double check to make sure data looks right * Type DF to see the dataset * Type head(DF) to see first 5 rows	DF <- read.csv (link, TRUE, ",")

* Type tail(DF) to see last 5 rows	
Step 4: Define the inputs Note: x is the independent, y is the dependent * y → stands for the temperature anomaly * x → x values are all the indices	x <- DF$Years y <- DF$T
Step 5: Plot temperature composite ylim= size of the y axis ylab= y axis title xlab= x axis title main= title of the graph	plot(x,y, ylim= c(*a*,*a*), type="l", lwd=1, col="black", main="*title of graph* " ylab="*y axis*, xlab=" *x axis title* ") Example: plot(x,y1, ylim=c(-3,3), type="l", lwd=2, col="blue", main=" *title of graph* ", ylab="Temp anomaly", xlab="Years")
Step 6: Calculate 10 year running mean	ylag1<-filter(y1,rep(1/10,10), sides=1)
Step 7: Plot 10 year running mean on graph *col → select color of line (black)	lines(x,ylag1,col="black", lwd=4)
Step 8: Add legend	legend("bottomright", col=c("*colors in legend*"),lty=c(1,1), lwd=2, legend=c(*labels in legend*) legend("bottomright", col=c("blue","black"),lty=c(1,1), lwd=2, legend=c("NS Annual Anomaly", "10 Year Rolling Average"))