TWENTY-FOURTH ANNUAL REPORT

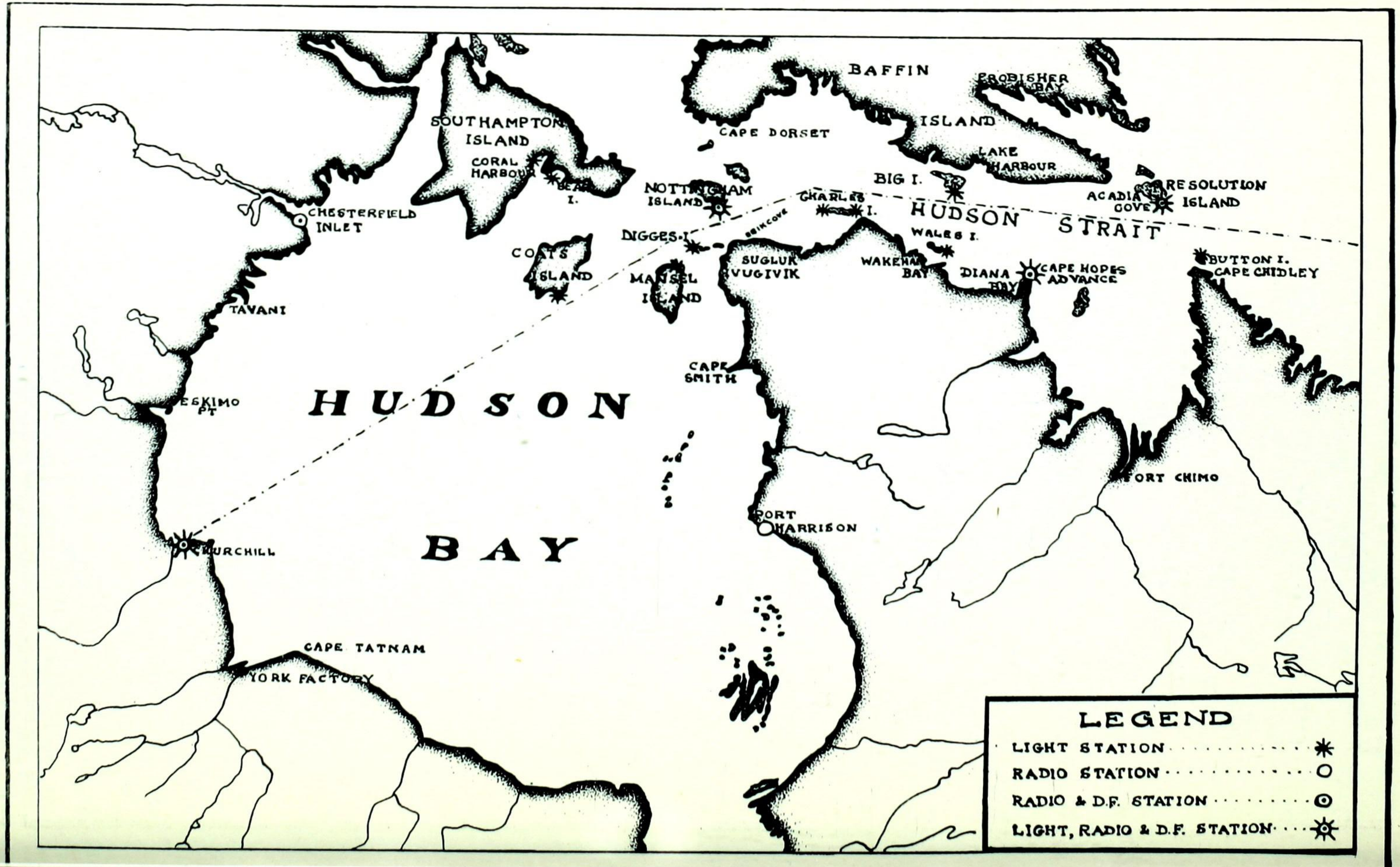
Navigation Conditions on the Hudson Bay Route from the Atlantic Seaboard to the Port of Churchill

SEASON OF NAVIGATION
1952

DEPARTMENT OF TRANSPORT

HON. LIONEL CHEVRIER, Minister

PRICE 30 CENTS


BAFFIN
ISLAND
FROBISHER BAY
SOUTHAMPTON ISLAND
CAPE DORSET
CORAL HARBOUR
LAKE HARBOUR
BIG I.
RESOLUTION ISLAND
ACADIA COVE
NOTTINGHAM ISLAND
CHARLES I.
HUDSON STRAIT
CHESTERFIELD INLET
DIGGES I.
WALES I.
COATS ISLAND
MANSEL ISLAND
SUGLUK
VUGIVIK
WAKEHAM BAY
DIANA BAY
CAPE HOPES ADVANCE
BUTTON I.
CAPE CHIDLEY
TAVANI
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CANADA

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TWENTY-FOURTH ANNUAL REPORT

NAVIGATION CONDITIONS ON THE HUDSON BAY ROUTE FROM THE ATLANTIC SEABOARD TO THE PORT OF CHURCHILL

SEASON OF NAVIGATION, 1952

OPENING OF NAVIGATION

The first merchant ship to arrive at Churchill in the 1952 season of navigation, was the s.s. **WARKWORTH**, of United Kingdom registry, Managing Owners, R. S. Dalgliesh, Ltd., Watergate Buildings, Newcastle-on-Tyne, England.

On arrival on July 29, the master reported that the vessel slowly, with caution and for about 18 hours had made its way through the field ice, the inside limit of which was about 25 miles off shore. After discharging about 1,000 tons of general cargo, a full cargo of grain in bulk was loaded and the vessel sailed at 1.40 p.m., August 2, for the United Kingdom.

CLOSING OF NAVIGATION

The s.s. **GLUCKAUF**, of German registry, was the last merchant ship to leave Churchill in the 1952 season of navigation.

The vessel arrived on October 7, completed loading on October 8, and sailed at 7.15 a.m., on October 9, for Germany.

FOG

The following table gives the number of days on which fog was observed at, or within visible distance of, the reporting station.

Station	July	Aug.	Sept.	Oct.	Nov.	Totals 1952	Totals 1951
Resolution Island	9	17	5	-	-	21	35
Cape Hopes Advance	11	8	7	-	-	16	24
Nottingham Island	4	9	8	1	1	23	14
Churchill Harbour	1	-	3	-	2	6	2
Chesterfield Inlet	2	1	2	-	-	6	3
Port Harrison	3	6	1	-	1	11	16
Coral Harbour	2	3	5	-	2	12	3

AIDS TO NAVIGATION

Radio

There are five radio direction finding stations on the Hudson Bay Route. Detailed information regarding radio stations will be found on page 74.

The calibration of the Direction Finding Stations was checked during the 1952 season and arrangements were made to change the Direction Finding frequency from 375 Kc/s to 410 Kc/s on November 1, 1952 in accordance with international agreement.

Hydrography

Hydrographic charting surveys were carried out from two survey ships of the Canadian Hydrographic Service in Hudson Bay and Strait during the season. See also page 32.

Lights

There are fourteen lights in the Hudson Bay and Strait area, twelve of which are unwatched. A list will be found on page 76 and their locations are indicated on the frontispiece chart. At Churchill, there is a light on top of the grain elevator building. A range of day beacons marks the entrance, and a lighted buoy.

Fog Signals

Ships approaching Acadia Cove, Resolution Island, may request the firing of an explosive bomb signal. This signal is fired at ten minute intervals by the radio personnel and has an audible range of six miles.

SHIPPING

Twenty-seven cargo vessels, four of which made a second trip, traversed the Hudson Bay Route this season. Details will be found on page 17.

REQUEST FOR SHIP REPORTS

For the benefit of mariners on the Hudson Bay Route, reports and comments are invited from masters of vessels navigating these waters.

SYNOPSIS OF REPORT MADE BY CAPT. C.A. CARON,
MASTER OF C.G.S. N.B. McLEAN ON VOYAGE TO CHURCHILL,
DURING THE 1952 SEASON OF NAVIGATION.

The Canadian Government ship N.B. McLean sailed from Quebec, on June 26, 1952. Stops were made at Blanc Sablon, Forteau Bay, Cape Norman, Cape Bauld and Chateau Bay on the passage to Belle Isle, which was reached on the evening of July 2nd.

The first ice was sighted in the Belle Isle Strait in the vicinity of Greenly Island. Numerous bergs and growlers which were seen in the Strait were reported by radio. Stormy weather and the near approach of icebergs caused the N.B. McLean to shelter at Quirpon on July 4th, and on the following day off Lark Inlet. On July 6th, the vessel proceeded to Camp Island to take on board radar equipment and spare parts which had arrived in the s.s. Blue Cloud. On July 7th, the weather was sufficiently good for landings to be made on the northeast shore of Belle Isle. The northern voyage was continued in the afternoon of July 7th, when all supplies had been loaded for the Belle Isle light and radar station.

Good weather prevailed on the passage from Belle Island to Resolution Island where a landing was made at the Resolution Island light station at noon, July 10th. It was not possible, on account of ice, to make a landing in Acadia Cove. Leaving Resolution Island on July 10th, fog and field ice were encountered in the passage to Cape Hopes Advance.

Arriving off Cape Hopes Advance on July 11th, landings were made and the night was spent in Diana Bay. Further landings were made on July 12th at the Cape, and about noon dense fog and freshening wind caused the vessel to proceed towards Wales Island which was reached shortly after midnight.

The light station on Wales Island was inspected and the lights were put in operation on July 13th. The N.B. McLean then steamed into Wakeham Bay where landings were made. Fresh water was taken on board on July 14th, and on July 15th, further landings were made at the mission station.

Departure from Wakeham Bay took place on the afternoon of July 15th, when a course was set towards Charles Island. On arrival there in the early morning hours of July 16th, the light on the east end of the Island was put in operation, and in the evening the light on the west end was functioning.

Continuing the voyage, the N.B. McLean left Charles Island in the early hours of July 17th, and arrived at Sugluk at 8:30 a.m. Supplies were landed at the Hudson's Bay Post and Mission, and after the ship's doctor had given medical attention to the inhabitants the voyage westward was resumed on the morning of July 18th.

At Erik Cove shortly after noon July 18th, fog was encountered, and the vessel anchored till evening. A course was then set towards Ivugivik, where anchorage was found at 7:30 p.m. Landings and medical examinations were completed at 12:45 p.m., and at Digges Island a landing was made in the afternoon.

A call was made at Mansel Island on the night of July 19th, and on the morning of July 20th, the vessel arrived at Coats Island.

Proceeding from Coats Island, anchorage was found at Bear Island at 3:15 a.m., July 21st. Later in the day the vessel entered Munn Bay, Southampton Island.

With the landing of supplies, servicing of the light and on completion of medical inspections, the N.B. McLean left Southampton Island on the afternoon of July 21st, and anchored in the forenoon of July 22nd, at Nottingham Island.

Nottingham Island light was given attention in the late afternoon. There was too much ice for the landing of supplies at the radio station. Leaving Nottingham Island, a course clear of the ice field was steered to a position 62°-47' N, 73°-26' W, and thence towards Big Island on the northern shore of Hudson Strait.

Anchoring in Ashe Inlet, Big Island, in the afternoon of July 23rd, the light was put into operation; and getting underway at 3:34 p.m., the vessel came to anchor at 10:50 p.m., in Wakeham Bay.

Water was taken on board in Wakeham Bay on July 24th, and later in the day the N.B. McLean steamed in the direction of Cape Hopes Advance.

Off Cape Hopes Advance, on the morning of July 25th, the D.F. Station was calibrated and shortly after noon the vessel anchored in Diana Bay, where supplies for radio station were landed.

Leaving Diana Bay on the afternoon of July 28th, fog was encountered on the passage across the Strait. At 8:15 p.m., anchor was dropped in Acadia Cove, Resolution Island, where the light and radio equipment were overhauled and supplies landed. It was planned to calibrate the D.F. Station on departure at 9:45 a.m., August 8th, but fog interfered with the work. Steaming to and fro off the Island till the fog cleared on August 10th, calibration was resumed, but had to be discontimued on account of fog. In clear weather, on August 11th, calibration was completed.

On August 12th, a course was steered from Resolution Island towards Cape Hopes Advance where, on the morning of August 13th, supplies were landed and miscellaneous items of cargo were picked up. Before sailing at 7:00 p.m., for Wakeham Bay, cargo, mail and passengers were also taken on board from the Canadian Government steamship C.D. Howe.

A landing was made at Wakeham Bay on the morning of August 14th and, later in the day, strong winds interfered with the taking on board of water at the head of the Bay. Watering was completed on August 15th, and the N.B. McLean then proceeded towards the mission where building material was loaded for Sugluk. Heavy rain, fog and strong winds caused the vessel to delay departure until the forenoon of August 17th. A course was then set across the Strait to survey ice conditions.

Anchoring from 8:25 to 11:35 p.m., August 17th, off Beacon Island at the entrance to Lake Harbour, a course was then steered towards Sugluk. Numerous icebergs were sighted off Big Island, but they gradually decreased in number as the vessel approached Charles Island.

Arriving at Sugluk, 6:00 p.m. August 18th, cargo was landed, and at 7:45 p.m., passage was resumed to Nottingham Island where, at 6:00 a.m., August 19th, the N.B. McLean came to anchor.

Cargo for Nottingham Island was discharged on August 19th and 20th, at the radio station. Heaving at 3:29 p.m., August 20th, bearings were taken from 4:00 p.m. to 9:00 p.m., to calibrate the D.F. Station.

Turning towards Coats Island, an unsuccessful search was made for a barge which was reported aground. At anchor on the north coast of Coats Island from 9:10 a.m., to 11:46 a.m., August 21st, a course was set to the westward between Coats Island and Reef.

At anchor again from 12:55 p.m. to 7:40 p.m., the vessel's head was then turned northward towards Bancas Island, where anchorage was found off the southeast shore.

From Bancas Island on the morning of August 22nd, the vessel steered towards Southampton Island, and in the evening anchored in Munn Bay, Coral Harbour. Construction and other materials were loaded, and at 7:00 p.m., August 23rd, the vessel sailed fro Churchill, and arrived there at 10:00 a.m., August 26th. The weather was fair on the trip across the Bay.

At churchill, from August 26th, till September 5th, cargo was unloaded, supplies taken on board, and bunkers filled from railway tank cars on the wharf. On departure on September 5th, radio bearings were taken to calibrate the D.F. equipment at the Churchill radio station.

On passage across Hudson Bay towards Coral Harbour, orders were received to proceed to Ivugivik where measles had broken out. Arriving there at 8:00 p.m., September 7th, the ship's doctor was landed with medical supplies. Proceeding from Ivugivik at 3:40 p.m., September 10th, the doctor was left behind to give medical attention to the sick, and at 7:00 p.m., the vessel was brought to anchor off Nottingham Island.

A strong wind was blowing on arrival at Nottingham Island. It abated sufficiently on the morning of September 11th to allow supplies to be landed. Leaving Nottingham Island at 10:30 a.m., a patrol was made and ice was found twelve miles west of Nottingham Island and twelve miles north of Mansel Island. While steaming towards Coral Harbour, the N.B. McLean stopped during the night in an ice field off Cape Pembroke.

Continuing westward on September 12th, field ice was found in Evans Strait. Clear water was reached about twelve miles south of Bear Island, Coral Harbour.

Anchoring at Coral Harbour, 5:30 p.m., September 12th, supplies were landed. Heaving at 6:30 p.m., September 13th, the vessel entered field ice of open formation about eighteen miles south of Bear Island, which extended to a position five miles north of Cape Pembroke. From this position the vessel headed south eastward. A strong headwind retarded progress towards Erik Cove where the anchor was dropped at 6:2- p.m., September 15th.

Leaving Erik Cove at daylight September 16th, the N.B. McLean, at 8:25 a.m., arrived at Ivugivik. Food and medical supplies were landed. The ship's doctor was embarked after spending several days with residents suffering from an outbreak of measles. Leaving Ivugivik in the afternoon, the vessel anchored in the evening in Erik Cove. While in Erik Cove from September 18th to 23rd, fresh water was taken on board and opportunity was taken to clean and paint the ship. About daylight on September 23rd, the vessel got under way and anchored in the forenoon at Nottingham Island.

Supplies and mail were landed at Nottingham Island radio station on September 23rd, and outgoing personnel embarked. Leaving the anchorage in the afternoon, a westerly course was set, but no ice was seen. The course was then altered towards Sugluk where, in the evening, the vessel came to anchor.

Medicine and supplies were landed at Sugluk on September 24th and on September 25th additional supplies for Wakeham Bay were taken on board from m.v. Rupertsland, owned by the Hudson's Bay Company.

From Sugluk about daylight on September 26th, a stop was made at Cape Weggs to check the health of the Eskimo settlement and, about 8:00 p.m., the vessel came to anchor, south east of Wales Island.

Leaving Wales Island about 7:30 a.m., September 27th, the N.B. McLean, about an hour and a half later, arrived off the Mission at Wakeham Bay. The vessel lay there at anchor till the forenoon of September 28th. At this time a strong north westerly wind caused the vessel to be moored near the head of the Bay, with 90 fathoms of cable on each anchor. The ship's doctor gave further medical care to residents in the Eskimo settlement.

On the morning of September 29th, the vessel proceeded eastward from Wakeham Bay, and in the afternoon anchored near the Eskimo camp in Burgoyne Bay. A strong south west wind delayed landing until the following day when medicine and provisions were landed and a medical inspection of the camp was made. Continuing eastward landing conditions at Cape Hopes Advance were unfavourable, and in the late afternoon supplies were landed in Diana Bay.

Steaming out of Diana Bay on the morning of October 2nd, a strong north west wind interfered with the landing of supplies at Cape Hopes Advance. In the afternoon, the weather improved and landings were made. When this was done, the vessel returned to Wakeham Bay and came to anchor at 2:48 a.m. October 4th. While at anchor, a strong easterly wind with heavy snow was encountered, and when the weather cleared on October 6th, water was taken on board at the head of the Bay. A strong westerly wind caused watering to cease on October 7th, but on the following day the tanks were filled.

Crossing Hudson Strait on October 9th, a call was made at Lake Harbour. In the evening, a course was set towards Diana Bay, where the N.B. McLean arrived at 7:42 a.m., October 10th. Leaving Diana Bay at 9:30 a.m., October 11th, the anchor was dropped in the late afternoon off the west coast of Akpatok Island in Ungava Bay. Leaving at 7:30 a.m., October 12th, anchorage was found again in Wakeham Bay on the morning of October 13th. While in the Bay from October 13th to 22nd, additional supplies of water were taken on board, and residents of the settlement who were suffering from measles were given medical attention.

On the morning of October 22nd, the N.B. McLean sailed for Diana Bay, and arrived there in the afternoon of October 22nd. Under way again, at 3:50 p.m., a course was set across the Strait towards Resolution Island.

Anchoring in Acadia Cove, Resolution Island, on the morning of October 23rd, preparations were made for the homeward voyage to Quebec. Leaving the Cove in the late afternoon, a call was made on the morning of October 24th, at Port Burwell, near the northern tip of Labrador. Here a check was made on the health of the Eskimo settlement.

The same morning the homeward voyage was continued from Port Burwell. Passing through Grey Strait in the afternoon, Cape Chidley was abeam about 6:00 p.m.

Passage was made through the Belle Isle Strait in the afternoon of October 28th, and after a stop on passage up the St. Lawrence River, the N.B. McLean berthed at Quebec, at 11:45 a.m., on October 31st, thus bringing to a close the 1952 patrol of the Hudson Bay Route.

HUDSON BAY AND STRAIT ICE AND BERG REPORT
SUMMER 1952.

Date	Time		Remarks
JULY			
1	11.00 AM	(AST)	Twenty-five growlers in sight.
2	8.55 AM	"	One very large berg, two large flat ones off White Island, and twenty-five bergs.
2	8.00 PM	"	Ten bergs and six growlers in sight.
3	8.00 AM	"	Twenty-one growlers and one berg.
3	4.00 PM	"	Fourteen growlers, one berg.
4	4.00 PM	"	Seven large growlers and one big berg in anchorage; one large berg aground.
5	4.00 PM	"	Off Lark Islet, no ice seen.
6			Three bergs aground inside Camp Island, and four small ones drifting outside.
7	Noon	"	Six bergs of various sizes; also a large berg and many bergs along Labrador Coast.
7	9.15 PM	"	Two growlers.
8	Midnight	"	Berg R.T., 55.35 N, 55.12 W.
8	12.40 AM	"	One big berg, one large flat berg.
8	3.55 AM	"	One large, low, flat berg and one growler.
9	2.00 PM	"	59.09 N, 61.20 W, fourteen bergs of all sizes, and many growlers in sight in a radius of fifteen miles.
9	11.20 PM	"	Large berg R.T. 60.30 N, 63.30 W.
10	5.15 AM	"	Edge of ice field.
10	4.05 PM	"	One large berg, and entering field of heavy scattered floe ice.
11			While unloading at Cape Hopes Advance, some pieces of ice could be seen at 10 miles distance.
12	4.00 PM	"	Fair sized berg, then very scattered pieces until 10 miles East of Wales Island.
15			No ice in sight.
19			Scattered pieces of ice along shore, then widely scattered strings of ice to horizon.
20			Loose pack ice along shore, then open water to horizon.
22	8.50 AM	"	Ice field extending 20 miles to Southward from Nottingham Island.
23	3.35 AM	"	62.51 N, 74.48 W, well scattered ice.
23	6.00 PM	"	Three bergs and one growler.
25	9.00 AM	"	Big berg ESE from Cape Hopes Advance.
27			No ice in sight off Cape Hopes Advance. From position 60.50 N, 62.00 W, to 60.21 W, 5 bergs with continuous strings of small growlers to position of another berg 61.04 N, 64.20 W, and two bergs within 3 miles of last position; many growlers.
28	5.00 PM	"	On way from Cape Hopes to Resolution Island, small berg.
28	9.30 PM	"	Medium bergs and ten growlers.
29	3.00 PM	"	Two bergs, radar targets.
30	12.00 AM	"	One flat berg west Acadia Cove, and some bergs and growlers drifting among Islands.
31	6.00 PM	"	Four growlers drifting in Acadia Cove.
31	7.00 PM	"	Large berg drifting SW of Station
AUGUST			
1	9.00 AM	"	From Acadia Cove, one large berg aground SW one mile.

Date	Time		Remarks
AUGUST			
1	12.00 AM	(AST)	One large flat berg, 5 miles off Acadia Cove.
3			One flat berg and some growlers.
4	7.00 AM	"	Small berg drifting out Acadia Cove.
4	Noon	"	One large berg drifting 7 miles SW from Acadia Cove.
5	Noon	"	Small berg and growlers.
8			Three large bergs sighted WNW from Station, then a large flat berg.
9	6.30 AM	"	Berg and growlers, radar targets, 61.17 N, 65.45 W. Berg and growlers, radar targets, 61.13 N, 65.57 W.
9	9.00 PM	"	While off Resolution Island, sighted at position 62.00 N, 70.03 W, 5 bergs in a radius of 4 miles, and one large berg.
10			One berg and three growlers; one berg, one berg of medium size; one large berg and many growlers.
10	4.15 PM	"	Very big, flat-topped berg.
11	9.00 AM	"	Berg and two growlers.
12	6.15 AM	"	Growlers.
12	7.45 PM	"	Bergs, radar targets.
13	6.50 AM	"	Bergs.
14	3.45 AM	"	Berg, 61.42 N, 71.14 W.
17	2.30 AM	"	One berg and one growler.
17	4.50 PM	"	Big berg.
18	7.15 AM	"	One big berg 62.24 N, 72.30 W, then west of position, no ice sighted until arrival at Nottingham Island.
20	11.30	(GMT)	Berg, 61.05 N, 66.00 W.
21			Only ice reported Western end of Strait was about 20 miles SE of Peyson Point. Ice field covering about 15 square miles.
SEPTEMBER			
7	2.15 PM	(AST)	String of open ice four miles true North from Mansel Island light.
11			Berg and one small berg.
11			From position 63.00 N, 78.20 W, ice field extending to 015 true and 290 true; this ice is broken and much open water as can see with very good visibility.
11			63.00 N, 80.40 W, ice in all directions.
12	9.00 AM	"	Heavy ice in all directions with very little open water.
12			Edge of ice field 10 miles North of Bear Is.
13	9.15 PM	"	Ice in all directions, quite heavy.
14	7.00 AM	"	Steaming through heavy close packed ice at position 63.16 N, 82.22 W.
17			Bergs.
18			Bergs and growlers.
20			Large bergs, small berg and growler.
22			Bergs.
23			Large berg and two bergs.
24			Berg, 60.37 N, 62.14 W.
30			Bergs.

Date	Time	Remarks
OCTOBER		
1		Berg, 61.18 N, 70. 13 W.
3		Berg.
5		Large berg, surrounded by growlers.
6		Bergs.
10		Bergs.
11		Two large bergs, 61.15 N, 67.06 W, and one berg five miles W Akpatok Island.
12		One berg, nine miles W. Akpatok Island.
12	2.15 PM	One small berg.
12	23.10 (GMT)	Two bergs, 62.08 N, 71.18 W.
13		Large berg.
20		Large berg, with large growlers floating around. Berg is low in water, very large.
21		One growler, one mile North of Cape Hopes Advance.
22		Bergs.
23		One berg aground ten miles westward from Resolution Island Radio Station.
24		One large berg, ten miles East of Cape Chidley, surrounded by many growlers.

No other ice was sighted along the Labrador Coast.

Summer 1952.

Koartak, Diana Bay, clear of ice last week of June.

Wakeham Bay clear of ice middle of June.

Sugluk clear of ice middle of June.

Ivuyivik clear of ice last week of June.

Coral Harbour clear of ice first week of July.

SYNOPSIS OF NORTHERN VOYAGE EASTERN ARCTIC PATROL VESSEL C.D. HOWE - 1952.
CAPTAIN P.M. FOURNIER, MASTER

The Canadian Government steamship C.D. Howe sailed from Montreal for the Arctic on the morning of June 27th. Anchoring for about two hours near Quebec to take on board additional supplies, the passage down river was resumed at 2256 hours. The pilot and radar technicians were landed by helicopter at Father Point on the forenoon of June 28th. The weather continued bright and clear with a light weaterly wind.

Fog was encountered shortly after midnight on June 30th, and a number of icebergs were seen by radar on the passage towards the Belle Isle Strait.

Proceeding up the Labrador Coast on July 1st, the C.D. Howe steamed through field ice. Later in the day, more closely packed ice surrounded the vessel. At 1925 hours the vessel came to anchor in Tuchlialick Bay, where cargo was landed and several helicopter flights were made. The water level in the forepeak had fallen during the afternoon and inspection of the bow showed that the plating on the starboard side had been damaged by ice. Unloading was resumed on the morning of July 2nd.

All cargo consigned to Tuchlialick Bay had been landed by the evening of July 2nd. A flight was then made by helicopter to check ice conditions to seaward but fog intervened. Another flight was made (when visibility improved) on the morning of July 3rd. Ice conditions were then reported as fairly good and at 0826 hours the vessel weighed anchor and steamed cautiously to sea through moderately dense field ice. At 1225 hours clear water was found on the seaward side of the ice field.

On receipt of orders from Ottawa the vessel turned southward to return to Quebec for repairs. In the Belle Isle Strait on July 4th, the weather was fine and clear, and numerous icebergs and growlers were seen. The vessel arrived at Quebec on the night of July 6th, and on the morning of July 7th, entered dry dock for repairs and remained there until the forenoon of July 18th, when the vessel was secured in a berth near the dry dock, pending departure for Montreal.

Arriving at Montreal on the afternoon of July 19th the floating dock was entered on the afternoon of July 20th.

Leaving the floating dock in the afternoon of July 23rd, after further repairs had been completed, bunkers were filled at Imperial Oil dock below Montreal. In the early morning hours of July 24th, the voyage to the Arctic was resumed. A short stop was made at Quebec in the afternoon and, early in the morning of July 25th, an eastward course was set from Father Point. The weather was good.

Arriving at Cape Hopes Advance in Hudson Strait in the afternoon of July 29th, relief radio operators, cargo and supplies were landed in clear weather. The natives were given medical care. This work continued on July 30th and in the afternoon a course was set towards Sugluk. The weather was bright and clear.

At Sugluk on the morning of July 31st, supplies were landed. Medical and dental care was given to the local inhabitants. In the late evening the vessel proceeded in rain and fog towards Ivugivik.

Anchoring in Ivugivik Bay in the early morning hours of August 1st, medical and dental routine continued. Passengers were picked up for Churchill,

and in the forenoon the voyage continued with Port Harrison the next port of call.

Shortly after noon August 2nd, the vessel anchored off Port Harrison. Medical and dental activities followed and cargo was landed. Departure was timed shortly after noon on August 5th, and some fog was encountered on the passage across Hudson Bay. Later the weather cleared, and at 0420 hours August 7th, a field of heavy loose ice was encountered and headway was made with caution. Reconnaisance flights by helicopter reported the ice field to be about fifteen miles wide, and extending close to the shore to the northward. Clearing the ice at 1028 hours the vessel berthed in the early afternoon at Churchill.

At Churchill from August 7th to 15th, inward cargo was discharged, outward cargo and supplies were stowed under deck and on deck, and bunkers were filled. The helicopter made an ice reconnaissance flight on the afternoon of August 11th, and a report was made for use of merchant ships in or en route to Churchill. A similar flight and report was made on August 12th.

Leaving Churchill at 1145 hours August 15th, an Eskimo passenger was reported missing. He was picked up by helicopter and brought safely on board shortly after the vessel cleared the port.

Fine clear weather prevailed on the northward passage from Churchill, Coral Harbour, Southampson Island was reached on the morning of August 17th. Intermittent fog was encountered on leaving Coral Harbour the following morning and similar conditions prevailed to the eastward. Arriving off Cape Dorset at 0632 hours, August 19th, dense fog interfered with a landing which was not made till the afternoon. Landing of supplies ended on the forenoon of August 20th, and departure was delayed till 2103 hours, when a landing barge ran aground and had to be refloated on the tide.

Anchoring at Lake Harbour at 1817 August 21st, the landing of supplies began and continued on August 22nd. Departure was again delayed till 1004 hours, August 23rd, when the vessel sailed for Frobisher Bay and other ports of call in the Arctic.

Returning to Frobisher Bay on the morning of September 14th, stormy weather was experienced and departure for Port Burwell was delayed till the morning of September 16th. Arriving off Port Burwell on the morning of September 17th, stormy weather interfered with a landing and, soon thereafter, the homeward voyage from Hudson Strait began.

Stormy weather was encountered in the Belle Isle Strait on September 19th, and on the forenoon of September 22nd, the northern voyage of the C.D. Howe ended with the arrival of the vessel at Quebec.

ICE RECONNAISSANCE REPORTS MADE BY R.C.A.F., CHURCHILL, MAN. NAVIGATION SEASON 1952

Below is given a list of Ice Reconnaissance Reports made by the R.C.A.F., for the benefit of ships trading to Churchill, during the 1952 season of navigation. The reports, after examination at Churchill airport by the Port Warden, were sent by teletype to the nearby Department of Transport radio station which, in turn, relayed them to Nottingham Island and the surface patrol vessel N.B. McLean in the Hudson Strait. These stations then rebroadcast the reports for use of merchant ships on the Hudson Bay route:

Date Report Received	Area Governed By Report		Time Report Broadcast and to Whom Sent
July 17th	Lake Harbour to Wakeham Bay		1930 hrs. - Nottingham Island & N.B. McLean
July 19th	Hudson Bay		2300 hrs. - Nottingham Island & N.B. McLean
July 20th	Hudson Bay & Wakeham Bay to Lake Harbour		2220 hrs. - Nottingham Island & N.B. McLean
July 21st	Hudson Bay		2300 hrs. - Nottingham Island & N.B. McLean
July 22nd	Hudson Bay		1950 hrs. - Nottingham Island & N.B. McLean
July 26th	Hudson Bay		2030 hrs. - Nottingham Island & N.B. McLean
Aug. 3rd	Hudson Bay	(a)	1505 hrs. - Nottingham Island & N.B. McLean
Aug. 12th	Hudson Bay		2250 hrs. - Nottingham Island & N.B. McLean
Aug. 20th	Hudson Bay		1335 hrs. - Nottingham Island & N.B. McLean.

(a) Information contained in this report was based on information collected by the Port Warden from masters of ocean-going ships which had arrived at Churchill.

PARTICULARS OF SHIPS USING THE PORT OF CHURCHILL DURING 1952

Name	Nationality	Reg. Tonnage	Arrived	Left	Destination	Inward Cargo (Tons)	Outward Cargo (Bushels Wheat)
s.s. Warkworth	British	4245	July 29	Aug. 2	United Kingdom	1,000	342,000
m.v. Eagle	Panamanian	4266	July 31	Aug. 3	United Kingdom		373,400
s.s. North Anglia	British	4931	Aug. 1	Aug. 5	United Kingdom		355,000
s.s. Fernhurst	British	4242	Aug. 4	Aug. 8	United Kingdom		358,400
m.v. La Pampa	British	2455	Aug. 4	Aug. 6	United Kingdom		289,400
m.v. Stanhope	British	3472	Aug. 5	Aug. 9	United Kingdom		362,200
s.s. Huntsfield	British	3077	Aug. 9	Aug. 11	United Kingdom		322,973
s.s. Avondene	British	2928	Aug. 12	Aug. 16	United Kingdom		311,466
m.v. Italsole	Italian	4193	Aug. 12	Aug. 16	Greece		349,081
s.s. Grifone	Italian	4410	Aug. 16	Aug. 21	Greece		349,081
s.s. Rialto	Italian	4344	Aug. 19	Sept. 3	Montreal	6,000	Ballast
m.v. Poseidon	German	3279	Sept. 1	Sept. 3	United Kingdom		361,000
s.s. Henriette Schulte	German	3266	Sept. 5	Sept. 8	United Kingdom		354,666
s.s. Kolonius	German	2838	Sept. 12	Sept. 14	Hamburg/Antwerp		285,600
s.s. Romandie	Swiss	3347	Sept. 14	Sept. 17	Chile		381,800
m.v. Brunshausen	German	2153	Sept. 14	Sept. 17	Hamburg/Antwerp		172,200
m.v. La Cordillera	British	3551	Sept. 15	Sept. 18	United Kingdom		332,320
s.s. Irish Cedar	Irish	3065	Sept. 17	Sept. 20	Dublin		298,666
s.s. Warkworth	British	4245	Sept. 17	Sept. 24	Antwerp/Rotterdam	740	346,065
m.v. La Pampa	British	2455	Sept. 18	Sept. 19	Queenstown		286,500
s.s. Themisto	Dutch	2828	Sept. 20	Oct. 1	Antwerp/Rotterdam		299,000
m.v. Laguna	Italian	4560	Sept. 20	Sept. 23	Yugoslavia		367,600
s.s. Huntsfield	British	3077	Sept. 24	Sept. 29	Tel-Aviv, Israel		319,200
s.s. Montan	German	3711	Sept. 24	Sept. 27	Hamburg/Antwerp		347,500
s.s. North Anglia	British	4931	Sept. 27	Sept. 29	Antwerp		354,666
s.s. Ramillies	British	4308	Sept. 29	Oct. 6	Antwerp/Rotterdam		359,167
s.s. Gluckauf	German	3055	Oct. 7	Oct. 9	Hamburg/Antwerp		306,133
					Total -	7,740	8,585,089

A total of 27 merchant ships arrived at Churchill during the 1952 season of navigation, during which the s.s. "Warkworth", s.s. "North Anglia", s.s. "La Pampa" and s.s. "Huntsfield" made two voyages.
All but one ship, the s.s. "Rialto" loaded full cargoes of grain in bulk; this vessel after discharging an inward cargo of cement proceeded to Montreal, to load.
In addition to 6,000 tons of cement which arrived in the s.s. "Rialto", the s.s. "Warkworth" on two voyages discharged 1,740 tons of general cargo which included automobiles, tractors, plate glass, steel pipes, liquors, toys, etc.

SYNOPSIS OF REPORTS MADE BY CAPT. N. THOMPSON, MASTER, S.S. WARKWORTH

First Voyage

The arrival of the s.s. Warkworth at Churchill, on July 28th, opened the 1952 season of navigation. The vessel passed Resolution Island, 1245 hours, July 24th, anchored off Churchill at 2330 hours, July 28th, and berthed in the harbour on the morning of July 29th. After discharging inward cargo, the vessel loaded a full cargo of wheat and sailed at 1300 hours on August 2nd, for London, England.

On passage to Churchill, the first icebergs and growlers were sighted about 120 miles east of Resolution Island. At 1730 hours on the same day, the presence of loose field ice and icebergs and growlers and foggy weather caused the vessel to proceed at reduced speed. At 0400 hours on July 25th, the weather cleared and full speed was resumed.

Many icebergs and growlers were seen on the passage up the Strait. Charles Island was abeam at 1903 hours, July 25th, and from this position, field ice was observed to the northward.

The voyage continued without incident until 0130 hours, July 28th, when field ice was encountered off Churchill. Northerly courses were then steered along the outward limit of the ice field. This continued until 0400 hours without a passage through the ice being found. The vessel then entered the ice on a westerly course, and about 0630 hours, the ice was found to be close-packed and sufficiently heavy to retard further progress. Course was then altered to the south in search of open water. Open water was not found and at 1200 hours, a course 250° or thereabouts was steered. Radio bearings were obtained from the Churchill D/F Station. Later the ice was found to be of less density, and progress was maintained towards Churchill. At 2225 hours, clear water was found on the inshore side of the ice field. At 2330 hours, July 28th, the vessel anchored off Churchill, and at 0630 hours the following morning, the vessel berthed in the harbour.

Departure from Churchill with a full cargo of wheat took place at 1300 hours, August 2nd. At 1640 hours the vessel entered an ice field about twenty miles wide. For about twelve miles the ice was soft and crunchy, and for the rest of the distance it was closely packed and at times caused the vessel's speed to be reduced to slow. Clearing the ice field at 0100 hours, August 3rd, the vessel continued at half speed, and at daylight, full speed was resumed.

On the passage across the Bay, the weather was good and there was some drizzle. Weggs Island was passed at 1330 hours, August 5th, and, on the following day, fog was encountered about twenty-one miles north of Cape Hopes Advance. About this time, a head wind and swell and resulting clutter made it more difficult to pick up small ice formations on the vessel's radar screen.

The voyage continued without incident, and at 2315 hours, August 6th, Resolution Island was passed at a distance of seven miles.

Second Voyage

Fresh winds, rough seas and stormy weather were encountered on the second voyage towards the Hudson Strait. A few icebergs were seen some

distance off the vessel's course, and at 1300 hours, September 17th, the vessel arrived at Churchill. Inward cargo was discharged and a full cargo of grain was loaded. The vessel sailed on September 24th, for Antwerp, Belgium.

Captain N. Thompson expressed his appreciation of the help given him by radio direction finding stations in the Hudson Strait and at Churchill, and by the surface patrol vessel N.B. McLean. Captain Thompson made several recommendations on the reporting of ice in Hudson Bay, which will be given attention by the Department of Transport.

SYNOPSIS OF REPORTS MADE BY CAPT. H.W. CHARLTON, MASTER, S.S. NORTH ANGLIA

The s.s. North Anglia arrived at Churchill on August 1st, 1952, and sailed on August 5th. On the second voyage, the vessel arrived at Churchill on September 27th, and sailed on September 29th. A full cargo of wheat on each voyage was loaded at Churchill.

NAVIGATION : With the aid of a good gyro compass no difficulty should be encountered in navigating Hudson Strait and Hudson Bay, provided proper caution is exercised in the vicinity of ice.

NAVIGATION INSTRUMENTS: The magnetic compasses were unreliable in Hudson Bay. The gyro compass is considered to be a primary necessity for safe navigation in this area.

RADAR: While not indispensable, radar is most valuable as an aid to navigation. All icebergs sighted visually were picked up by radar, but growlers may evade detection, especially when the sea is sufficiently rough to cause clutter to appear on the radar screen.

RADIO DIRECTION FINDING STATIONS: Good use was made of the D/F stations at Resolution Island, Cape Hopes Advance, Nottingham Island, and Churchill. Good organization existed, good bearings were obtained, and nothing more could be desired in this respect.

VISUAL AIDS TO NAVIGATION AND FOG SIGNALS: The route is well marked by light stations. More fog signals would be helpful, but their value as guides to ships fitted with gyro compass, D/F equipment and radar, is diminishing.

ICE: Numerous icebergs were seen on the first voyage from a position 50 miles to the eastward of Resolution Island to Charles Island in Hudson Strait. Good ice reports were received from Churchill, Nottingham Island and Resolution Island radio stations, and from the surface patrol vessel N. B. McLean. Much of this information seemed to be compiled from reports made by merchant ships trading to Churchill. Heavy pack ice, about 25 miles wide, was encountered on August 1st, when the vessel was about 50 miles north-east of Churchill. It had been reported in a radio message from the Port Warden at Churchill, and a passage had to be forced through it. The ice in the pack appeared to be of old formation and a number of polar bears were seen on the surface. Damage to bow plating and propeller blades was sustained and, after survey at Churchill, temporary repairs were made. Permanent repairs were not considered necessary until the vessel in the usual course of operation will enter drydock. The assistance of an icebreaker would have been helpful in the unusual ice conditions which existed off Churchill at the time of arrival of the s.s. North Anglia on August 1st, 1952. Leaving Churchill on August 5th, the ice was found to be less dense. The formation opened up to some extent, but caution was necessary in steaming through it.

On the second voyage to Churchill with arrival on September 27th, only four icebergs were seen in the Strait and Bay.

PORT FACILITIES: Helpful assistance was given by port authorities, pilots, steamship agents and customs officers. Pilotage was skillful and efficient in putting the vessel alongside the loading berth without the aid of the harbour tug. Loading facilities are all that could be desired within the capacity of the port.

PORT WARDEN: Efficient, conscientious and co-operative.

SYNOPSIS OF REPORT MADE BY CAPT. R.R. WATSON, MASTER, S.S. FERNHURST

Several large and small icebergs and growlers were seen on July 30th, 1952, when the vessel was in latitude 60-31 N, longitude 60-12 W, to the eastward of Resolution Island. Ice reports were received from the surface patrol N.B. McLean. Entering Hudson Strait early on the morning of July 31st, radio communication with the patrol vessel was maintained. Several bergs and growlers were sighted 5 to 12 miles distant. Dense fog during the night caused the vessel to proceed at reduced speed.

Weather and ice reports were received from Churchill and s.s. Warkworth. These reports warned of a closely packed ice field off the port and extending from the shore north of Churchill southeastward toward Nelson. It was also reported that there was clear water for about 10 miles on the inshore side of the ice field, and that all vessels which had arrived at Churchill had steamed through the ice.

On arrival at the outer limit of the ice field at 1900 hours, August 3rd, caution was exercised in steaming through it at reduced speed. At 0500 hours, August 4th, clear water was found inshore, and at 0942 hours, the vessel arrived at Churchill.

Leaving Churchill at 0648 hours, August 8th, with a full cargo of wheat, the Fernhurst entered the ice field at 0823 hours, and at 1500 hours, clear water was found at the outer limit. The weather at this time was overcast with rain and some patches of fog.

The passage across Hudson Bay and down the Strait was uneventful. Several icebergs and growlers were sighted on the night of August 12th, in the vicinity of Resolution Island. On the morning of August 13th, the last ice seen on the voyage was sighted about 160 miles to the eastward of Resolution Island.

Excellent D.F. bearings were obtained from the radio station at Resolution Island.

SYNOPSIS OF REPORTS MADE BY CAPTAIN G. SMITH, MASTER, M.V. LA PAMPA.

The m.v. La Pampa made two voyages to Churchill in 1952. On the first voyage the vessel passed Resolution Island on August 1st, and arrived at Churchill, August 4th. Leaving Churchill, Auguat 6th, Resolution Island was passed outward bound on August 10th.

On the second voyage the corresponding dates were: Resolution Island, September 14th, arrival Churchill September 18th, sailed September 19th, passed Resolution Island outward-bound, September 23rd.

While little difficulty was experienced on the first voyage when passing through the ice field off Churchill, some damage was sustained to bow plating and forepeak of the vessel. Leaving Churchill on August 6th the La Pampa ran into fog soon after entering the ice field. Slow progress was made, and about six hours later the fog cleared and soon thereafter open water was found. About this time, the Canadian Government steamship C.D. Howe was sighted and radio signals were exchanged on ice conditions in Hudson Bay. A lookout at the mast-head helped considerably in steering the La Pampa through open leads in the ice field.

On the second voyage very few icebergs were seen, and no field ice was sighted.

Generally, navigation was excellent and mild weather prevailed. The gyro compass and radar were very helpful. Excellent D/F bearings were obtained from stations in the Hudson Strait and at Churchill. It was possible to detect ice by radar in sufficient time to avoid collision when low visibility interfered with visual detection ahead of the ship.

SYNOPSIS OF REPORT MADE BY CAPTAIN R. BLAKEY, MASTER, M.V. STANHOPE

The s.s. Stanhope arrived off Cape Chidley on August 2, and arrived at Churchill, 0200 hours, August 5th. After loading a full cargo of wheat, the vessel sailed at 1900 hours, August 9th, and anchored outside the harbour until the morning of August 10th. This was done in order to make a daylight passage through the ice field off the port.

On the voyage to Churchill, numerous icebergs and growlers were sighted in the twenty-four hours before arrival of the vessel off Cape Chidley.

Ice reports were received from Resolution Island and the surface patrol vessel N.B. McLean, and from merchant ships on the Hudson Bay route.

On August 2nd, a message was intercepted from s.s. Warkworth to Churchill reporting an ice field off Churchill. The presence of the ice field was confirmed by an ice report broadcast by radio stations to all ships.

On arrival at Churchill on August 2nd, the Port Warden supplied the master with the latest reports received on field ice in Hudson Bay.

Captain Blakey made several recommendations on visual and radio aids to navigation.

SYNOPSIS OF REPORT MADE BY CAPTAIN W. HALL, MASTER, S.S. AVONDENE

The s.s. Avondene arrived at Churchill on August 12th, and sailed on August 16th, with a full cargo of wheat. The vessel had to steam through the ice field off shore to reach Churchill.

Warning of the ice field was received from Canadian Government surface patrol vessel N. B. McLean. Intermittent fog was encountered in Hudson Strait and Bay but the weather cleared before the vessel entered the ice field. Proceeding slowly, a passage through was made in two to three hours without damage to the ship. On departure from Churchill, on August 16th, with a full cargo of wheat, the ice field had been cleared away from the steamship

track, but foggy weather prevailed. On both inward and outward trips icebergs and growlers were passed in the Hudson Strait.

The Canadian Government vessel C.D. Howe was in Churchill when the Avondene was in port. The helicopter of the Government vessel made two flights a day for ice reconnaissance off the port. The Avondene received ice reports by radio from the C.D. Howe on the inward run.

Radar was found to be a very useful aid to navigation in the Hudson Strait and Bay. Good D/F bearings were obtained from shore stations.

A recommendation was made for the improvement of the lights on Charles Island.

SYNOPSIS OF REPORT MADE BY CAPTAIN A. MERLANI-BIRSIA MASTER, S.S. ITALSOLE

The s.s. Italsole arrived at Churchill on August 12th, and sailed on August 16th, with a full cargo of wheat.

When approaching the Hudson Strait fog was encountered as far westward as Charles Island. On the voyage from Churchill the weather was mostly fine and clear.

Ice was first picked up by radar about 125 miles east of Resolution Island. Numerous icebergs and growlers were seen by radar in the Hudson Strait. No ice was seen west of Charles Island in the Strait. Entering the ice field off Churchill at 2300 hours, August 11th, the vessel was manoeuvred to avoid heavy pack ice; progress was slow and, at times, the engines were stopped. At dawn on August 12th, a lane of clear water was found and at 0800 hours, the vessel was in clear water on the inside of the ice field. Advice on the position of the ice was received by radio from the Canadian Government patrol vessel N. B. McLean.

Good dispatch was given at Churchill with the helpful assistance of the port authorities.

On the voyage from Churchill, numerous icebergs and growlers were sighted in the Hudson Strait.

Magnetic disturbances were detected in Hudson Bay, and the gyro compass and radar were very useful.

Good D/F bearings, weather and ice reports, were received from shore radio stations and the N.B. McLean.

SYNOPSIS OF REPORT MADE BY CAPTAIN H. KELLER, MASTER, M.V. POSEIDON

The m.v. Poseidon arrived at Churchill at 0900 hours, September 1st, and sailed with a full cargo of wheat at 1700 hours, September 3rd.

Approaching the Hudson Strait several icebergs and growlers were sighted well to the eastward of the entrance and their positions were reported by radio to Resolution Island. These reports were rebroadcast by coast radio stations for the information of all ships on the Hudson Bay route. The weather at this time was overcast and the air temperature was near the freezing point. A radio direction finding bearing was obtained from Resolution Island at

2130 hours, August 28th, and later the vessel's position was fixed by radar bearings of Resolution Island and Button Islands at the eastern end of the Strait.

From a position 10 miles to the northward of Charles Island a course was set for a position midway between Diggès Island and Nottingham Island at the western end of the Strait.

In the Strait about a dozen icebergs were picked up by radar. Those with steep vertical sides made good targets and could be detected a long way off; those with sloping sides exposed to radar transmissions made poor targets and usually were about 5 or 6 miles off before they were detected on the radar screen.

When approaching the western end of the Strait, stormy weather delayed the vessel for about seven hours. Below is given an extract of the ship's log to illustrate the meteorological conditions experienced.

Date	Time	Barometer	Wind	Remarks
Aug. 30	0020 o'clock	1015	SW 3-4	
	0400 "	1010	S 2	
	0600 "	1004	SSW 6	Squally.
	0700 "	1001	SW 7	
	0800 "	999	SW 8-9	Waves increasing rapidly.
	0900 "	997	SW 9	
	1000 "	997	SW 9	Hazy, ship does not steer any longer. In order not to drift toward Nottingham Island we wear and take reciprocal course with LV (sic.) Position contolled by radar.
	1100 "	997	SW 8	
	1200 "	997	SW 8	
	1300 "	998	SW 7-6	
	1400 "	999	SW 6-5	Return to course.
	1600 "	1000	W 5	
	1800 "	1003	W 3	Cloudless
	2400 "	1006	W 2	Cloudless, good visibility

Mansel Island was passed in the first watch on August 31st. Radar reflections were obtained of the higher land which lies some distance from the northwestern shore of the Island.

The magnetic compass was seen to have weak directive force on the passage across Hudson Bay.

A radio message from the surface patrol vessel N.B. McLean then in Churchill, reported ice free water in the shipping track across the Bay, and no ice was seen. Approaching the port, the grain elevator was sighted on September 1st when the vessel was well to seaward.

On departure from Churchill, on September 3rd, with a full cargo of wheat, strong northwest winds (force 7 and 8) were encountered for about 48 hours. On arrival at the western end of the Hudson Strait it was found that the winds had caused ice to drift from Nottingham Island southward as far as the eye could see towards Digges Island.

Small growlers were seen among the drift ice and caution was necessary in steaming ahead to avoid damage to the vessel.

Many icebergs and growlers were sighted on the passage down the Strait and were reported by radio to coast stations.

SYNOPSIS OF AN EXCERPT FROM A REPORT MADE BY CAPT. FR. LAUER, MASTER, M.V. HENRIETTE SCHULTE, SUPPLIED BY MESSRS. SCHULTE AND BRAUNS, SHIPOWNERS, EMDEN, GERMANY.

The m.v. Henriette Schulte arrived at Churchill on September 5th, and sailed on September 8th, with a full cargo of wheat.

On the outward passage to Churchill, the first icebergs were seen south of Greenland, and ten were sighted during the passage up the Hudson Bay. Excellent ice reports were received from coast radio stations.

At 0305 hours, September 2nd, Resolution Island was passed, distant 9 miles. Charles Island was abeam at 0045 hours, September 3rd, at a distance of 6 miles. On the passage up the Strait, the wind was variable and moderate, with a moderate sea. Crossing Hudson Bay a fresh to strong WNW wind and a rough sea caused the vessel to roll heavily.

Arriving off Churchill at 0400 hours, September 5th, the pilot boarded at 0615 hours, and at 0725 hours, the vessel made fast at the loading wharf.

SYNOPSIS OF REPORT MADE BY CAPTAIN R. OSSIRI, MASTER, M.V. ROMANDIE

The m.v. Romandie, on her maiden voyage, arrived at Churchill on the afternoon of September 14th, and sailed on September 17th, with a full cargo of wheat.

The weather was overcast and the visibility moderate when the vessel was approaching Resolution Island, which was passed at 2100 hours, September 10th, at a distance of 15 miles. Similar weather prevailed during the passage up the Hudson Strait. In daylight, September 11th, a course was steered between Charles Island and the mainland, and the lights on Nottingham Island and Digges Island were seen from a position in mid-channel.

A strong south-easterly gale was experienced on September 13th in the Bay. During the night the sea was very rough with a heavy swell; visibility was low and at times was zero. With echo sounder out of order and no radar equipment the vessel was navigated with caution and at slow speed until the weather improved at daylight, September 14th. By then, the wind had hauled to north, and at 1300 hours, in clear weather the Romandie entered Churchill harbour.

While in port fine, clear, sunny weather prevailed and at 1600 hours, September 17th, the vessel sailed with a full cargo of wheat.

A few patches of fog were seen off Nottingham Island on September 19th, and at 2000 hours the same day Charles Island was passed at a distance of 8 miles. The weather was clear and the wind was light and variable when the Hudson Strait was left behind on September 20th.

On the outward passage to Churchill, ice reports were received from the patrol vessel N.B. McLean, Resolution Island, and from merchant ships on the Hudson Bay route. Three icebergs were seen before the Romandie entered the Strait and in it two more were seen during the night of September 10th. Good visibility and moonlight made it possible to see icebergs at a distance and for courses to be steered well clear of them.

An ice field in the western end of the Strait between Nottingham Island and Digges Island was reported by the N.B. McLean. It was possible to keep the vessel in clear water by altering course towards the mainland so as to skirt the southern limit of the ice which, earlier, had come down from the Foxe Channel under pressure of strong northwest winds. Two icebergs were seen in the Strait on the voyage from Churchill. Reports received from the patrol vessel N.B. McLean were very useful and appreciated.

Without radar, the Romandie made good use of radio direction finding stations in the Strait and at Churchill. Bearings received were found to be very helpful and were used with care.

SYNOPSIS OF REPORT MADE BY CAPTAIN J. PIATEK, MASTER, M.S. BRUNSHAUSEN

The m.s. Brunshausen arrived at Churchill on the evening of September 14th and sailed on the morning of September 17th with a full cargo of wheat.

Entering the Hudson Strait, September 11th, the sea was moderate, and the sky was overcast with rain and some mist. On passage up the Strait the wind freshened from the WNW and on the morning of September 12th, field ice was seen ahead. Nottingham Island radio station had reported an ice-field between Mansel Island and Digges Island. The formation encountered on the morning of September 12th was well to the eastward and heavy ice was seen in it. It may have come down from the Foxe Channel under the influence of the fresh wind which had been blowing from WNW.

No ice was seen in Hudson Bay, and on passage from Churchill the only ice seen was an iceberg which was sighted just off the eastern end of the Strait.

Several ice reports were received from merchant ships on the Hudson Bay route but not all merchant ships did so. In the opinion of Captain Piatek, all merchant ships should broadcast weather and report ice, if any, seen for the benefit of all ships on the route.

Crossing Hudson Bay towards Chufchill, south-easterly winds of gale force blew most of the time; the sea was very rough, the sky was overcast and at times the visibility was low.

Leaving Churchill in the morning of September 17th, the wind was moderate to fresh from the north-east, the sky was overcast with rain and mist. This weather continued across the Bay and down the Strait which was cleared on the forenoon of September 20th.

SYNOPSIS OF REPORT MADE BY CAPTAIN G.H. CARR, MASTER, M.V. LA CORDILLERA

EXTRACTS FROM LOG

ICE

Sept. 11	0615 hours	Medium berg	61° 06' N,	63° 29' W.
	1235 "	Small "	61° 15' N,	65° 50' W.
	1330 "	Medium "	61° 28' N,	66° 10' W.
	1334 "	Small "	61° 22' N,	66° 09' W.
	1400 "	Growler	61° 33' N,	66° 27' W.
	1405 "	Medium berg	61° 28' N,	66° 27' W.

WEATHER at that time. (All temperatures - FAHRENHEIT).

Wind...variable . Force 1. Sea...smooth. Swell...slight.
Baro...30.02" Sea Temp. 35° Air Temp. 37°

ICE

Sept. 20	2115 hours	Large berg	61° 38' N,	68° 33' W.

WEATHER at that time -

Wind...SE. Force 1/2. Sea..slight. Swell...slight.
Baro...39.73" Sea Temp....38° Air Temp. 39°

NOTE -

Large and medium bergs observed first visually then later showed as radar targets at an average distance of 7 miles. At that distance they returned good echoes. Bergs were all of the same type being sharp. flat-faced.
Small bergs also observed first visually then occasionally as radar targets at from 3 to 4 miles but did not return consistant echoes. Growler was observed as a radar target only after visual confirmation of its presence at a distance of 2 miles. The echo was weak at this range. Majority of growlers did not show on radar.

FIELD ICE -

Edge of field ice was observed 12th September, 1700 hours, with Digges Island light bearing 118 degrees true, distance 12 miles. Vessel was about $2\frac{1}{2}$ miles from edge of the ice field at that time. Radar echoes very poor, would not have been recognized as field ice.

RADIO AIDS -

Ice reports were detailed and frequent and of considerable accuracy. Weather reports were not so accurate.

RADIO D/F BEARINGS -

D/F bearings taken by the coast stations (Resolution Island, Cape Hopes Advance and Nottingham Island) were excellent, but for several bearings taken by Churchill, dated September 14th, giving $052\frac{1}{2}$ degrees true, and which subsequently proved to be considerably in error. This may have been due to strong rain atmospherics which were present at the time. Bearings from Churchill in thick fog and rain were unreliable at distance of 120^1, improving closer.

SHIP REPORTING -

Inward bound ships report when abeam of Resolution Island and Nottingham Island. The reports are distributed to Churchill and other radio stations in the vicinity, and to icebreaker N.B. McLean.

FOG - No fog was experienced during the period 15th to 18th September.

THICK FOG -

Sept. 8 1000 hours to 1730 hours. 58° 15' N, 34° 57' W.
Wind...SSE force 2. Sea...slight. Swell...heavy.
Baro...30.04" Air Temp. 58°. Sea Temp. 55°

THICK FOG -

Sept. 21 0807 hours to 1100 hours.
Wind...SE force 1/2 Sea..slight. Swell...slight.
Baro...29.73" Air Temp. 39°. Sea Temp. 38°

Acadia Cove light bearing 018 degrees true, distant 15 miles.

CHARTS -

No large scale Admiralty Chart for area NW end of Hudson Strait, Nottingham Island to Digges Island, is available.
Issue of chart would be of great advantage.

SYNOPSIS OF REPORT MADE BY CAPTAIN J.P. KELLY, MASTER, S.S. IRISH CEDAR

The s.s. Irish Cedar arrived at Churchill on the morning of September 17th, and sailed on September 20th with a full cargo of wheat.

Noon position, September 13th, latitude 60 28 N, longitude 60 27 W, wind NXW, force 5-6. Continuous rain until 1600 hours, rough sea, heavy swell. Passed large iceberg, 1950 hours, latitude 60 53 N, longitude 63 00 W. Vessel proceeding at reduced speed, radar in continuous operation. At 2240 hours, a large iceberg was passed at a distance of one and one-half miles. This iceberg was picked up by radar about a distance of 9 miles and could be seen visually when abeam. A list of ice sighted during the voyage is given below.

Several bergs seen visually on September 13th showed up clearly on the radar screen but several other icebergs could not be seen by radar at a distance of 5 to 6 miles. Captain Kelly reports a similar experience on an other occasion; he believes that the effective reflection of a radar beam from an iceberg may be determined by the shape and size of the above water formation of the ice.

Button Islands were passed at 0130 hours, September 14th, at a distance 15 miles. The weather was fine, sunny and clear with an unlimited visibility. Several icebergs were passed in the Hudson Strait between Resolution Island and Big Island.

Noon position, September 15th, 62 43 N, 78 47 W, wind S, later hauling to NW, rain. No ice sighted. A large area of drift ice had been reported on September 14th, SW of Nottingham Island, but apparently had been blown clear of the ship's track by a strong SE wind.

The Irish Cedar arrived at Churchill at 0757 hours, September 17th. Visibility was moderate and rain was falling at the time. The passage to Churchill generally was good and there was no difficulty in navigation except when in the vicinity of ice which made it prudent to slow down at night.

This vessel is a voluntary weather reporting ship, and, accordingly, routine weather reports were sent at a six hour intervals to Halifax, Nova Scotia, and Gander, Newfoundland. In addition, weather reports were sent regularly to radio stations in the Hudson Strait and Bay, including reports on ice seen and of areas in which no ice was seen within visual and radar range.

The radio service in the Strait and Bay was excellent. When the vessel was unable to transmit weather reports to Halifax direct, shore stations relayed them on request. Direction finding bearings supplied by shore stations were found to be very accurate. Captain Kelly pointed out that the calibrated section of the station at the south end of Resolution Island is narrow and, presumably, is limited by the position of the station and the formation of the land.

Radar equipment gave very good results. When approaching the Hudson Strait, Button Islands showed up distinctly at a distance of 28 miles, and Resolution Island at a distance of 15 miles. The south west end of Big Island was picked up faintly at a range of 20 miles. Charles Island was found to be a poor radar target except for the high ground at the east end. Digges Island is considered to be a fair target at a distance of 8 miles. The shore of Mansel Island nearest the ship apparently is a poor target on account of the low coastline.

The grain elevator at Churchill showed up distinctly on the radar screen at a distance of 15 miles. The coastline in the vicinity of the port was not plainly distinguishable until the ship was about 8 miles off. The light and bell buoy of the entrance to the harbour gave only a faint radar reflection at a distance of 4 miles. A radar reflector on the top of the buoy would make it a much better target.

This was Captain Kelly first voyage to Churchill. He was unfamiliar with the direction and strength of the tides and anchored inside the light and bell buoy off the entrance to the harbour. About one hour before high water, while waiting for the pilot to board, the wind freshened from the northward, and when the ebb tide began to flow a rough sea developed in a very short time. Captain Kelly suggested that it would be helpful if a suitable anchorage more to the eastward could be determined and brought to the attention of mariners in the sailing directions.

The voyage from Churchill which began September 20th was uneventful. The weather in Hudson Bay and Strait was clear and the winds were light. No ice was seen until the vessel had cleared the westward end of the Strait.

ICE REPORT

Sept. 14 One berg, moderate size, 60 53 N, 63 00 W. Radar range 11 miles.
One berg, moderate size, 60 57 N, 63 54 W. Radar range 10 miles.
One berg, moderate size, 61 19 N, 66 13 W.
One small berg, 61 22 N, 66 38 W.
Two bergs, 61 27 N, 67 00 W.
One berg, 61 28 N, 67 20 W.
Three bergs, 61 44 N, 68 12 W. One, 63' high , 480' at base.
One, 95' high at pinnacle, and 300' at base. Measured with sextant angle and radar.

Sept. 23 Two bergs, 61 46 N, 68 50 W.
One berg, 61 40 N, 68 17 W.
One large berg, 61 37 N, 66 56 W, passed 14 miles off radar range.

Sept. 24 One small berg, 60 37 N, 62 14 W. Radar target occasionally at 7 miles range, constant from 5 miles range.
Passed 2 miles off in the dark. It was just barely visible with glasses.

SYNOPSIS OF REPORT MADE BY CAPTAIN W. ENSIGN, MASTER, S.S. THEMISTO

The s.s. Themisto arrived at Churchill at 0810 hours, September 20th and sailed on the forenoon of October 1st with a full cargo of wheat.

Approaching Resolution Island visibility was excellent and no ice was seen. The position of the vessel at the entrance to the Hudson Strait was determined by bearings supplied by Resolution Island D/F station and radar bearings of Button Islands.

Resolution Island was passed 0500 hours, September 16th, distance 17 miles. About this time it started to rain and visibility was poor till about 1200 hours. On passage up the Hudson Strait, reports of ice were received from the patrol vessel N.B. McLean. Good use was made of radar when rain and intermittent fog reduced visibility. A number of icebergs and growlers were picked up by radar from 2 to 17 miles from the ship's position. Visibility improved when the vessel was off Big Island and no ice was seen to the westward of this position.

The light on Charles Island was picked up with the aid of binoculars at 0400 hours September 17th, and a bearing by radar put the ship 12 miles off the island.

On passage across Hudson Bay, D/F bearings were obtained from Churchill and Chesterfield Inlet. The bearings from Churchill were good but those from Chesterfield Inlet were not so accurate when checked with the estimated position of the ship.

No difficulty was experienced in approaching Churchill on September 19th, in drizzling rain. With the aid of D/F bearings supplied by Churchill radio station, the ship's radar, and soundings, the buoy off the harbour entrance was picked up and passed at 1045 hours. There were three merchant ships in port and, on receipt of instructions, the Themisto anchored at 1140 hours near the buoy to await a loading berth. With the sailing of the Irish Cedar and La Pampa from Churchill on the morning of September 20th, the Themisto left the anchorage at 0800 hours and berthed in the harbour. The delay in entering the harbour caused no time to be lost since the vessel was not to be ready for loading until September 20th.

Extra moorings were put out at the loading berth in anticipation of strong N.E. winds. The good advice given by Captain Munday, Port Warden, was appreciated.

The Themisto sailed from Churchill on the forenoon of October 1st. Under the influence of the ebb tide and a strong NW wind, the sea outside the harbour was rough, and the pilot was dropped before the vessel cleared the harbour entrance.

Clear weather prevailed on the voyage from Churchill. Bright moonlight made it possible at night to see a long way off snow covered islands in the Hudson Strait. Digges Island was seen clearly at night at a distance of 15 miles. Under similar conditions, an iceberg was seen with the aid of binoculars at a distance of 15 miles, and with unaided vision at a distance of 2 miles.

Between Charles Island and Resolution Island, the weather was stormy with rough seas, rain and snow, accompanied at times by reduced visibility. Resolution Island was passed on October 6th at a distance of 8 miles.

Icebergs were detected by radar but rough seas made it difficult to pick up growlers in the sea return or clutter which appeared on the radar screen. Radar bearings were used to advantage on the passage down the Strait and radio direction finding bearings were obtained from Cape Hopes Advance and Resolution Island.

Captain Ensign also expressed appreciation of advice given by the patrol vessel N. B. McLean and coast radio stations. From these sources, he said, information and good advice could always be obtained on request and it was given in a friendly and helpful manner.

SYNOPSIS OF REPORT MADE BY CAPTAIN B. ENRICO, MASTER, M.V. LAGUNA

The m.v. Laguna arrived at Churchill 0640 hours September 20th and sailed at 0730 hours September 23rd with a full cargo of wheat.

Stormy weather was experienced from the longitude of Cape Farewell, Greenland, to Resolution Island which was abeam on the morning of September 17th.

No ice was seen before arrival in the Hudson Strait, but many icebergs and growlers were seen in the Strait between Resolution Island and Charles Island. No ice was seen to the westward of Charles Island or in Hudson Bay. It was foggy at times on the trip across the Bay.

Magnetic disturbance was observed as the vessel approached Churchill. The magnetic compass was then found to be of little use.

Direction finding bearings given by shore stations were found to be accurate and worthy of praise.

Leaving Churchill on September 23rd, and on the passage across the Bay, the weather was moderate with good visibility. Snow flurries came down while the vessel was steaming from Mansel Island to Resolution Island, which was passed at 0335 hours, September 26th. Several icebergs and growlers were seen in the Strait.

SYNOPSIS OF REPORT MADE BY CAPTAIN H. ROLFF, MASTER, S.S. MONTAN.

The s.s. Montan arrived at Churchill at 1350 hours September 24th, and sailed at 1615 hours, September 26th, with a full cargo of wheat.

On passage from Hamilton Inlet, Labrador, the Montan reduced speed at night to give a better opportunity visually to pick up ice on the surface of the sea.

Entering the Hudson Strait on the evening of September 19th, visibility was low and at time there was thick fog, speed was again reduced on account of icebergs reported in the Strait. Visibility improved to 3 miles on the morning of September 20th and speed was increased to full. At dusk, an iceberg was seen ahead and speed was again reduced during the hours of darkness. No ice was seen in Hudson Bay.

Radar would have been a valuable aid to navigation under such conditions. With its aid, better progress could have been made. Radio direction bearings were useful, but considerable variation was found in some of them.

SYNOPSIS OF REPORT MADE BY CAPTAIN K. JAMES, MASTER, S.S. RAMILLIES.

The s.s. Ramillies arrived at Churchill on September 24th and lay at anchor till September 29th. During this time the weather was good. The vessel sailed from Churchill on the morning of October 6th, with a full cargo of wheat.

Resolution Island was passed in good weather at noon September 20th. One iceberg was sighted about 20 miles east of the Island. A few icebergs were seen between Resolution Island and Charles Island, but no ice was seen west of Charles Island. In Hudson Strait and Bay the weather was clear, and wind were variable and of moderate force.

While alongside the wharf at Churchill the weather deteriorated, and extra moorings were put out. A gale blowing on September 5th delayed sailing till the following morning. Captain James suggested that coir springs would be valuable in holding vessels at the wharf in stormy weather.

On passage from Churchill the weather was moderate and visibility was good. Mansel Island was abeam about noon September 8th, and Resolution Island was passed on the morning of September 10th.

Good radio direction finding bearings were received from stations in the Hudson Strait. Bearings received from Churchill about sunrise were not so reliable and may have been affected by atmospheric or other conditions.

Magnetic compass deviation of 2°E to 10°E was detected on passage from Nottingham Island towards Churchill. It decreased gradually when the vessel arrived to 5°E off the harbour.

On passage from Churchill deviation increased from 11°W to 22°W off Mansel Island, and then decreased to 8°W off Digges Island. From Digges Island to Charles Island deviation was steady.

HYDROGRAPHIC INFORMATION

The Canadian Hydrographic Service, Department of Mines and Technical Surveys, publishes a series of navigation charts and a volume of Sailing Directions covering the Hudson Bay Route. These are kept up to date and added to from time to time as new information becomes available.

The "Tide Tables for the Atlantic Coast of Canada", published by the Tidal and Current Survey Division of the same Service, contain predictions for the port of Churchill and for Moosonee in James Bay. Tidal differences for fifteen localities in Hudson Strait, 12 in Hudson Bay and for nine localities in James Bay afford the times of high and low waters in these areas. The time of the turn of the tidal streams in the southern offing of Resolution and Nottingham Islands and information on the currents in Digges Sound is also given. The automatic tide gauge is kept in operation each season at Churchill for the extension of the tidal records by which the predictions are improved.

HYDROGRAPHIC PUBLICATIONS - HUDSON BAY AND STRAIT

Charts -

5000 -Hudson Bay and Strait
5400 -Cape Churchill to Egg River
5401 -Wakeham and Fisher Bays and Approaches
Wakeham Bay
Fisher Bay
Cape Prince of Wales to Wales Island
5402 -Cape Prince of Wales to C. Weggs
Douglas Harbour
5403 -Pritzler Harbour to C.Weymouth
Balcom and Barrier Inlets
Shaftesbury Inlet
5405 -Port Burwell and Approaches
5406 -Cape Tatnam to Port Nelson
5407 -Anchorages in Hudson Strait
Charles Inlet
Savage Harbour
Acadia Cove
5408 -Cape Churchill to Churchill Harbour
5409 -Churchill Harbour to Hubbart Point
5410 -Coral Harbour
5411 -Lower Savage Islands to Pritzler Harbour
Pritzler Harbour
5412 -Erik Cove to Nuvuk Harbour including Digges Island
Erik Cove
Port de Laperriere
Nuvuk Harbour
Digges Harbour
5414 -Rupert Bay
5415 -Mouth of Rupert River
5416 -Mouth of Moose River
5417 -Approaches to Nelson River
5418 -Churchill Harbour
5438 -Baker Lake (Eastern Portion)
Chesterfield Narrows
Polaris Narrows
Regina Narrows
5450 -Hudson Strait
5456 - Button Islands
5458 -Sugluk Inlet

Sailing Directions -

Sailing Directions for the Hudson Bay Route.

Tide Tables -

Tide Tables for the Atlantic Coast of Canada.

NOTE - Copies of the above Charts and Sailing Directions are available at the office of the High Commissioner for Canada, Canada House, London, England, for reference. Charts and Sailing Directions are issued at 75 cents each and may be obtained from the Hydrographic Service, Department of Mines and Technical Surveys, Ottawa. Tide Tables are sold at 25 cents a copy by the Distribution Office, Department of Printing and Stationery, Ottawa. All orders must be accompanied by postal or express money order, for the full amount, payable to the Receiver General for Canada.

GENERAL SUMMARY OF WEATHER CONDITIONS IN
HUDSON BAY AND HUDSON STRAIT
DURING THE NAVIGATION SEASON 1952.

JULY

During the month of July, 1952, temperatures were practically normal at the eastern entrance to Hudson's Strait, and slightly below normal at Churchill. Elsewhere along the route, the mean temperatures were one or two degrees warmer than normal. July precipitation was well above average at Port Harrison and on Nottingham Island, but elsewhere, there was generally less than the normal fall. On the whole, there were substantially less than the usual number of foggy days throughout the region.

AUGUST

August was a rainy month along the Hudson Bay route with precipitation everywhere decidedly above average. For the region as a whole, the number of days with fog was practically normal, although fog was reported on twenty days on Resolution Island which is about 20 per cent. above normal. Mean temperatures for the month were near normal throughout the entire region.

SEPTEMBER

Precipitation continued to be above normal in September, everywhere, except in the Port Harrison-Cape Hopes Advance area where there were substantial deficiencies. Mean temperatures were practically normal in the Hudson Strait section, but over the Bay there were deficiencies of two to four degrees. There were relatively few fogs on Hudson Bay, but on Resolution Island, fogs were reported on sixteen days.

OCTOBER

October was cold over Hudson Bay where mean temperatures ranged from 4 to 6 degrees below normal. This deficiency decreased eastward along Hudson Strait and on Resolution Island, temperatures were near normal. Precipitation was variable, being normal on Churchill and Resolution Island, but slight below normal at most other points. Comparatively few fogs were reported along the route during October.

NOVEMBER

By November, cold weather had set in along the Hudson Bay route. However, throughout most of the area, temperatures were two to four degrees above the normal for the month. An exception was Chesterfield Inlet which experienced temperatures 4 degrees below the long-term normal. Snowfall was generally below the November average and fogs were relatively scarce.

NOTICES TO MARINERS (CANADIAN) OF INTEREST TO OWNERS AND MASTERS OF SHIPS TRADING TO CHURCHILL, MANITOBA

No. 43 of 1951, para. 128 - New edition of Chart No. 5000 - Hudson Bay and Strait.

A new edition of Chart No. 5000 - Hudson Bay and Strait - Mercator Projection Scale: 1:2,202,000 or 0.03 inch to one nautical mile at Latitude 57° 50' N., dated May, 1951, has just been issued by the Canadian Hydrographic Service.

No. 45 of 1951, para. 138 - New chart numbered 5450 issued - Hudson Strait.

A new chart numbered 5450 - Hudson Strait - on Mercator Projection, Scale 1:1,000,000 or 0.07 inch to one nautical mile at Latitude 61° 20' N., dated March, 1951, has just been issued by the Canadian Hydrographic Service.

No. 93 of 1951, para. 306 - New edition of chart No. 5410 - Coral Harbour and Approaches.

A new edition of chart No. 5410 - Coral Harbour and Approaches - on Mercator Projection, Scale 1:50,000 or 1.46 inches to one nautical mile at Latitude 64° 03' N., dated April 24, 1951, has just been issued by the Canadian Hydrographic Service.

No. 53 of 1952, para. 175 - Change in Churchill Harbour light.

The fixed white light previously shown from top of elevator workhouse, in position Latitude N. 58° 46' 35", Longitude W. 94° 11' 18", has been moved 85 feet southeast to a new position on top of elevator penthouse. Light now showing a flashing white characteristic from an elevation of 218 feet above high water.

No. 58 of 1952, para. 187 - Chart cancelled - Anchorages in Hudson Strait.

The Canadian Hydrographic Service announces the cancellation of chart No. 5404 - Anchorages in Hudson Strait -

Button Islands
Port Burwell
Sugluk Inlet

This chart has been replaced by the following charts:

5456 - Button Islands (Provisional edition)
5405 - Port Burwell
5458 - Sugluk Inlet (to be issued shortly).

No. 94 of 1952, para. 285 - New edition of Chart No. 5402 - Cape Prince of Wales to Cape Weggs.

A new edition of Chart No. 5402 - Cape Prince of Wales to Cape Weggs - on Mercator Projection, Scale: 1:150,000 or 0.5 inch to one nautical mile at Latitude 62° 00' N., with inset -

Douglas Harbour, Scale: 1:52,412 or 1.4 inches to one nautical mile,

dated February 5, 1952, has just been issued by the Canadian Hydrographic Service.

No. 126 of 1952, para. 388 - Uncharted shoals and islands reported.

The Officer-in-Charge, M.V. Thereon reports the existence of an uncharted shoal in the passage southward of Charles Island. Position: Latitude N. 62° 24', Longitude W. 74° 26' (approx.). Depth: 3 fathoms.

The same Officer has confirmed the existence of the small rock island marked E.D. on Canadian charts Nos. 5450 and 5000 and lying about 6 miles southeastward of Salisbury Island. Position: (revised) - Latitude N. 63° 20', Longitude W, 76° 28'.

The Master of the Hudson's Bay Company's M.V. Rupertsland reports the existence of a small uncharted shoal off the mouth of Chesterfield Inlet. Position: Latitude N, 63° 18', Longitude W, 90° 14' (approx.). Depth: 4 fathoms.

Copies of the abovementioned charts may be obtained from the Hydrographic Service, Department of Mines and Technical Surveys, No. 8 Temporary Building, Ottawa. The price per copy is seventy-five cents payable in advance.

Postage stamps or cheques will not be accepted in payment for charts, and all postal and express money orders must be made payable to the order of the Receiver General of Canada.

Charts of the Hudson Bay Route from the Atlantic Ocean to Churchill may be seen and obtained at Canada House, London, England.

METEOROLOGICAL REPORT C.G.S. N.B. McLEAN

Date 1952 July	Noon Position	Barometer 8 a m	Barometer 4 p m	Mid.	Temperature Max.	Temperature Min.	Temperature Sea	Wind True 8 a m	Wind True 4 p m	Wind True Mid.	Fog Hrs.	Vis. am	Vis. pm	Remarks a.m.	Remarks p.m.
1	Quirpon Island	29.92	29.92	29.90	50	42	42	SW 5	WNW 4	WNW 1	0	8	7	O'cast and clear	O'cast and clear
2	Cape Bauld	29.86	29.68	29.48	55	47	41	W 2	WSW 2	N 3	2	7	6	Cloudy and clear	Cloudy and clear
3	Belle Isle	29.72	29.86	29.91	48	41	38	N 3	SE 3	SW 4	0	8	7	Cloudy and clear	Cloudy and clear
4	Belle Isle	29.95	29.81	29.65	54	45	40	WNW 3	SE 1	S 3	0	9	6	Fine and clear	O'cast, light rain
5	Valley Cove	29.66	29.67	29.68	49	43	37	SW 3	SSW 3	SW 3	24	1	0	Thick fog	Dense fog
6	Camp Island	29.71	29.83	29.90	53	47	38	SW 3	N 1	NNW 3	3	7	7	Cloudy and clear	O'cast, showers
7	Belle Isle	30.08	29.98	29.86	52	47	38	NW 2	W 3	S 3	0	8	9	O'cast and clear	Fine and clear
8	55 34 N, 56 13 W	29.83	29.83	29.95	53	44	40	WSW 2	SW 1	NNE 4	0	9	7	Fine and clear	Cloudy and clear
9	58 53 N, 60 58 W	30.20	30.22	30.02	43	38	38	N 2	S 2	SE 2	0	7	7	Cloudy and clear	O'cast and clear
10	Resolution Island	29.75	29.86	30.10	37	35	35	ESE 1	NW 2	WSW 2	8	4	8	O'cast, int. rain	Cloudy and clear
11	Cape Hopes Advance	30.22	30.20	30.04	41	35	35	S 1	SE 3	E 2	0	9	9	Fine and clear	Fine and clear
12	Cape Hopes Advance	29.97	29.94	29.74	40	35	36	E 3	E 1	E 2	7	4	5	Cloudy, fog	O'cast, fog at dist.
13	Wakeham Bay	29.94	29.90	29.82	64	40	36	SE 1	SSW 2	Calm	0	8	7	Cloudy and clear	O'cast and clear
14	Wakeham Bay	29.73	29.64	29.67	50	41	36	ESE 2	Calm	Calm	22	2	3	O'cast, rain, fog	O'cast, light fog
15	Wakeham Bay	29.70	29.69	29.69	50	42	37	WSW 1	W 3	W 1	0	8	8	Cloudy and clear	Cloudy and clear
16	Charles Island	29.75	29.86	29.93	46	35	37	W 3	WNW 2	W 2	8	2	7	O'cast and fog	Cloudy and clear
17	Sugluk	29.91	29.80	29.77	58	41	40	W 1	NE 2	NE 1	0	8	8	Cloudy and clear	Cloudy and clear
18	Erik Cove	29.80	29.90	29.93	43	38	40	NNW 3	NE 1	Calm	4	4	7	O'cast, fog at dis.	Cloudy and clear
19	Ivugivik	29.94	29.90	29.89	50	41	40	Calm	SW 1	NW 1	0	9	9	Cloudy and clear	Cloudy and clear
20	Coats Island	29.92	29.88	29.80	62	44	40	SW 1	W 1	W 3	0	7	7	Cloudy and clear	Cloudy and clear
21	Coral Harbour	29.76	29.66	29.64	55	45	45	W 2	SSW 3	SW 3	0	8	8	Cloudy and clear	Cloudy and clear
22	Nottingham Island	29.60	29.57	29.57	50	41	39	WSW 2	WSW 1	NW 1	0	8	8	Cloudy and clear	Cloudy and clear
23	Big Island	29.54	29.50	29.50	48	41	40	N 1	Calm	NW 1	0	6	6	Cloudy, fog at d.	O'cast, int. rain, fog
24	Wakeham Bay	29.52	29.52	29.51	54	43	42	SE 1	NW 4	NW 4	10	3	7	O'cast, rain, fog	Cloudy and clear
25	Cape Hopes Advance	29.50	29.54	29.47	50	41	38	NW 2	NW 4	SW 1	0	8	9	Cloudy and clear	Fine and clear
26	Koartak	29.30	29.23	29.46	48	41	38	SE 3	SE 1	NW 3	8	7	3	O'cast, int. rain	O'cast, int. rain, f.
27	Koartak	29.70	29.80	29.80	55	44	38	NW 1	Calm	SE 3	0	8	8	Cloudy and clear	Cloudy and clear
28	Off Cape Hopes	29.66	29.44	29.53	46	38	37	ESE 3	E 3	E 4	0	8	7	Cloudy and clear	O'cast and clear
29	61 09 N, 65 55 W	29.27	29.28	29.50	37	34	35	E 6	E 5	SW 4	16	1	4	Thick fog	O'cast int. rain, fog
30	Acadia Cove	29.69	29.78	29.78	50	37	33	SW 2	Calm	NE 2	0	9	9	Cloudy and clear	Cloudy and clear
31	Acadia Cove	29.76	29.70	29.78	47	40	33	NE 1	NE 3	W 1	0	8	8	Cloudy and clear	Cloudy and clear

METEOROLOGICAL REPORT C.G.S. N.B. McLEAN

Date 1952 Aug.	Noon Position	Barometer 8 a m	4 p m	Mid.	Temperature Max.	Min.	Sea	Wind True 8 a m	4 p m	Mid.	Fog Hrs.	Vis. am	pm	Remarks a.m.	p. m.
1	Acadia Cove	29.82	29.82	29.76	60	40	33	Calm	E 1	NE 2	0	7	7	Cloudy, clear	Cloudy, clear
2	Acadia Cove	29.73	29.65	29.63	46	40	33	ENE 3	NE 4	NE 4	8	4	3	O'cast, fog at dis.	O'cast, fog, rain
3	Acadia Cove	29.59	29.61	29.62	52	40	34	SE 2	SE 1	ENE 2	2	4	6	O'cast, int. rain	Cloudy, clear
4	Acadia Cove	29.62	29.63	29.84	46	40	34	ENE 1	N 2	Calm	2	6	5	Cloudy, clear	O'cast, rain
5	Acadia Cove	29.84	29.94	29.94	45	40	34	Calm	Calm	NE 1	24	3	1	O'cast, rain, fog	Thick fog
6	Acadia Cove	29.92	29.92	29.93	40	38	34	NE 2	E 3	E 4	22	2	2	Fog	Fog
7	Acadia Cove	29.97	29.99	29.97	41	36	34	E 2	E 1	E 2	20	3	3	Cloudy, fog	Cloudy, fog
8	Resolution Island	29.96	29.94	29.84	41	35	33	E 2	E 2	ESE 2	22	2	1	O'cast, fog	Thick fog
9	Resolution Island	29.67	29.70	29.72	37	35	33	ESE 5	ESE 4	S 1	24	1	0	Thick fog	Dense fog
10	61 13 N, 65 18 W	29.78	29.78	29.74	40	35	34	S 1	SE 1	W 2	23	1	1	Thick fog	Dense fog
11	Off Resolution Is.	29.74	29.63	29.47	41	34	34	ENE 1	NE 2	E 3	18	2	3	Fog	O'cast, fog at dist.
12	Off Resolution Is.	29.38	29.43	29.40	39	36	33	E 4	SW 2	SW 1	12	3	7	O'cast, light fog	O'cast, clear
13	Diana Bay	29.45	29.53	29.47	47	41	38	SW 5	SSW 1	SSW 1	0	8	8	Cloudy, clear	Cloudy, clear
14	Wakeham Bay	29.38	29.36	29.40	50	42	37	SW 1	WSW 5	W 1	0	9	9	Cloudy, clear	Cloudy, clear
15	Wakeham Bay	29.40	29.30	29.12	52	43	36	Calm	SE 1	E 3	3	7	6	Cloudy, clear	O'cast, fog patches
16	Wakeham Bay	28.95	29.05	29.31	47	41	36	N 1	WNW 5	W 5	12	2	7	O'cast, fog, rain	Cloudy, clear
17	Wakeham Bay	29.48	29.64	29.69	50	40	37	W 3	ENE 2	SE 2	0	7	8	Cloudy, clear	Cloudy, clear
18	62 32 N, 73 54 W	29.70	29.66	29.62	50	40	40	Calm	SE 2	NW 2	0	8	6	Cloudy, clear	O'cast, showers
19	Nottingham Island	29.67	29.72	29.77	47	35	36	WNW 2	Calm	Calm	20	2	1	O'cast, fog, show.	Thick fog
20	Nottingham Island	29.79	29.82	29.82	43	35	36	NW 1	W 2	NW 1	0	8	9	Cloudy, clear	Cloudy, clear
21	62 55 N, 82 20 W	29.84	29.91	29.88	59	45	45	WNW 3	NW 1	WSW 3	2	9	7	Cloudy, clear	Cloudy, clear
22	62 55 N, 83 15 W	29.82	29.81	29.90	50	42	45	SW 2	SW 3	N 2	2	7	8	Cloudy, clear	Cloudy, clear
23	Coral Harbour	30.04	30.06	29.98	49	38	46	N 1	SW 2	S 3	0	9	8	Fine, clear	Cloudy, clear
24	61 54 N, 85 31 W	29.64	29.45	29.52	48	44	46	SSE 5	S 5	SSW 2	5	7	5	O'cast, clear	O'cast, clear
25	59 48 N, 89 58 W	29.57	29.89	29.99	48	43	45	W 4	NNW 4	NW 2	3	4	8	Cloudy, clear	Cloudy, clear
26	Churchill Harbour	29.88	29.77	29.88	44	41	45	E 2	E 4	ENE 2	16	7	2	Cloudy, clear	O'cast, rain, fog
27	Churchill Harbour	30.00	30.06	30.00	57	42	49	NE 1	ENE 2	ESE 3	3	6	8	Cloudy, clear	Cloudy, clear
28	Churchill Harbour	29.96	29.90	29.82	52	42	50	SSE 1	SSE 3	SE 2	0	8	8	Cloudy, clear	Cloudy, clear
29	Churchill Harbour	29.77	29.62	29.62	63	52	50	S 3	SSE 2	W 3	0	5	5	O'cast, rain	O'cast, rain
30	Churchill Harbour	29.78	29.84	29.86	63	46	51	W 2	NNE 3	ESE 2	0	8	9	Cloudy, clear	Fine and clear
31	Churchill Harbour	29.86	29.84	29.84	64	45	43	NW 1	Calm	SSW 2	0	9	8	Fine and clear	Cloudy and clear

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Date 1952	Noon Position	Barometer 8 a m	4 p m	Mid.	Temperature Max.	Min.	Sea	Wind True 8 a m		4 p m		Mid.		Fog Hrs.	Vis. am	pm	Remarks a. m.	p. m.
Sept.																		
1	Churchill	29.79	29.76	29.74	48	45	53	Calm		NW	2	S	2	0	8	9	Cloudy, clear	Cloudy, clear
2	Churchill	29.62	29.50	29.48	63	45	53	SSW	3	SW	3	Calm		0	7	6	Cloudy, clear	O'cast, int. rain
3	Churchill	29.54	29.74	29.88	50	40	53	N	5	N	3	NW	2	0	6	7	O'cast, rain	Cloudy, clear
4	Churchill	30.00	30.08	30.12	42	37	47	NW	3	N	3	N	2	0	8	8	Cloudy, clear	Cloudy, clear
5	Off Churchill	30.16	30.20	30.14	47	37	46	N	1	ESE	1	W	1	0	9	8	Fine, clear	Cloudy, clear
6	61 22 N, 88 22 W	30.16	30.12	30.02	52	40	42	N	2	NW	3	W	2	0	9	9	Fine, clear	Cloudy, clear
7	62 22 N, 80 31 W	29.95	29.88	29.84	49	34	41	NW	3	NW	3	SW	2	0	8	8	Cloudy, clear	Cloudy, clear
8	Ivugivik	29.78	29.71	29.58	48	39	36	SE	2	SE	1	E	3	0	7	7	Cloudy, clear	Cloudy, clear
9	Ivugivik	29.53	29.56	29.72	44	36	34	NE	4	NNE	4	NNE	3	12	6	3	Cloudy, clear	Cloudy and fog
10	Ivugivik	29.84	29.88	29.95	39	30	33	Calm		W	2	NW	3	6	4	4	Cloudy, light fog	O'cast and haze
11	63 00 N, 78 22 W	30.13	30.23	30.24	35	30	32	NW	3	SW	1	Calm		0	9	8	Cloudy, clear	Cloudy, clear
12	63 26 N, 82 58 W	30.26	30.29	30.32	40	32	32	SW	1	W	2	W	1	0	7	8	O'cast, clear	Cloudy, clear
13	Coral Harbour	30.26	30.34	30.16	42	35	35	Calm		SSE	2	SE	4	2	6	7	Cloudy, clear	Cloudy, clear
14	63 00 N, 81 58 W	29.95	29.67	29.52	45	35	32	ESE	4	SE	4	SE	5	0	5	7	O'cast and rain	Cloudy, clear
15	62 29 N, 79 42 W	29.50	29.60	29.64	50	41	35	SE	5	S	5	S	3	0	5	5	O'cast, int.rain	O'cast, int. rain
16	Ivugivik	29.73	29.76	29.74	56	42	37	S	2	NE	3	SE	2	0	7	8	O'cast, clear	Cloudy, clear
17	Erik Cove	29.72	29.65	29.58	42	41	37	NE	2	NNE	4	NE	3	0	8	8	Cloudy, clear	Cloudy, clear
18	Erik Cove	29.53	29.56	29.61	41	35	37	N	2	N	2	SW	1	7	6	4	O'cast, clear	Cloudy, fog patches
19	Erik Cove	29.64	29.68	29.70	46	35	37	N	2	NW	3	NW	3	14	5	2	Cloudy, fog at dis.	Fog
20	Erik Cove	29.70	29.70	29.71	43	38	37	N	2	W	2	WNW	2	4	4	7	Cloudy, clear	Cloudy, clear
21	Erik Cove	29.78	29.81	29.80	42	35	37	N	1	N	1	SW	1	0	8	8	Cloudy, clear	Cloudy, clear
22	Erik Cove	29.77	29.68	29.60	37	32	36	SSE	1	N	2	SSE	1	0	8	7	Cloudy, clear	O'cast, clear
23	Nottingham Is.	29.62	29.71	29.74	36	30	32	NE	4	N	4	NE	3	0	6	6	O'cast, int.snow fl.	O'cast, int. snow flks.
24	Sugluk	29.78	29.81	29.82	33	30	33	NW	3	N	1	SW	2	0	8	8	Cloudy, clear	Cloudy, clear
25	Sugluk	29.82	29.83	29.84	32	30	34	W	1	NW	2	SW	2	0	6	7	Cloudy, int.snow f.	Cloudy, snow flakes
26	Off Cape Weggs	29.78	29.72	29.58	34	39	34	SSW	2	SE	2	N	1	0	8	8	Cloudy, clear	Cloudy, clear
27	Wakeham Bay	29.35	29.25	29.24	38	28	34	WNW	2	W	2	NW	4	0	8	7	Cloudy, clear	Cloudy, clear
28	Wakeham Bay	29.32	29.48	29.76	34	27	34	W	4	W	6	W	5	0	9	8	Cloudy, clear	Cloudy, clear
29	61 22 N, 71 22 W	29.83	29.82	29.78	36	30	34	W	3	SW	5	SW	4	0	8	7	Cloudy, clear	Cloudy, clear
30	61 20 N, 71 01 W	29.72	29.76	29.74	37	31	34	N	3	NE	3	E	2	0	7	5	Cloudy, clear	Cloudy, int.snow flks.

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Date 1952	Noon Position	Barometer 8 a m	4 p m	Mid.	Temperature Max.	Min.	Sea	Wind True 8 a m		4 p m		Mid.		Fog Hrs.	Vis. am	pm	Remarks a.m.	p.m.
Oct.																		
1	Koartak	29.62	29.32	29.10	40	31	34	E	3	SE	3	SSW	3	4	4	4	O'cast, int. snow rain	O'cast, int snow rain
2	Koartak	29.24	29.24	29.60	35	29	33	NW	4	NW	5	NW	6	0	6	6	O'cast snow squalls	O'cast snow squalls
3	Koartak	29.98	30.21	30.26	34	30	33	NW	3	NE	2	NE	2	0	8	8	Cloudy, clear	Cloudy, clear
4	Wakeham Bay	30.13	29.99	29.80	32	30	33	NE	4	NE	5	ENE	5	0	3	2	O'cast, snow	O'cast, thick snow
5	Wakeham Bay	29.67	29.64	29.56	33	29	33	NE	3	NE	3	NE	3	0	2	3	O'cast, thick snow	O'cast, snow
6	Wakeham Bay	29.55	29.64	29.66	40	27	33	W	1	Calm		W	2	0	6	7	O'cast, light snow	O'cast, clear
7	Wakeham Bay	29.76	29.81	29.82	30	26	32	W	3	W	2	Calm		0	8	7	Cloudy, clear	Cloudy, clear
8	Wakeham Bay	29.85	29.84	29.83	29	23	32	N	2	N	1	NW	3	0	7	7	Cloudy, snow flurries	Cloudy, snow flurries
9	62 10 N, 70 50 W	29.85	29.78	29.84	25	21	32	NW	2	NW	6	NW	3	0	6	8	O'cast, int. snow	Cloudy, clear
10	Koartak	29.85	29.80	29.80	29	25	32	NW	4	NW	4	NW	3	0	8	7	Cloudy, clear	O'cast, clear
11	61 01 N, 69 03 W	29.78	29.66	29.52	29	27	31	NW	1	SE	2	E	2	0	8	9	O'cast, clear	Fine and clear
12	60 49 N, 67 48 W	29.42	29.56	29.66	31	27	30	NE	5	ENE	3	NW	3	0	7	7	O'cast, clear	O'cast, clear
13	Wakeham Bay	29.72	29.76	29.82	29	22	31	NW	1	NW	3	NW	2	0	8	7	Cloudy, clear	O'cast, int. snow
14	Wakeham Bay	29.85	29.86	29.83	23	21	31	NW	2	SW	2	W	3	0	8	8	Cloudy, clear	Cloudy, clear
15	Wakeham Bay	29.82	29.78	29.74	29	23	31	W	2	SW	1	SW	2	0	9	8	Fine and clear	Cloudy, clear
16	Wakeham Bay	29.70	29.70	29.71	32	29	31	E	1	SE	2	SE	3	0	8	8	Cloudy, clear	O'cast, clear
17	Wakeham Bay	29.70	29.71	29.72	30	25	31	NE	2	W	1	SW	1	0	7	7	Cloudy snow flurries	O'cast, snow flurries
18	Wakeham Bay	29.68	29.68	29.65	28	25	31	NW	2	N	2	W	3	0	5	8	O'cast, snow	Cloudy, clear
19	Wakeham Bay	29.59	29.71	29.78	26	25	31	NW	6	NW	5	NW	5	0	9	9	Fine, clear	Fine, clear
20	Wakeham Bay	29.72	29.68	29.61	25	23	31	NW	3	NW	4	NW	3	0	5	5	O'cast, snowflurries	O'cast, snow flurries
21	Wakeham Bay	29.61	29.70	29.78	24	23	31	NW	3	NW	3	NW	2	0	5	5	O'cast, int. snow	O'cast, int. snow
22	61 34 N, 70 25 W	29.83	29.84	29.83	39	25	31	NW	2	NW	2	W	2	0	5	8	O'cast, int. snow	Cloudy, clear
23	Acadia Cove	29.82	29.82	29.80	28	23	31	NW	2	NW	2	NW	1	0	8	8	O'cast, clear	O'cast, clear
24	Port Burwell	29.80	29.70	29.64	27	23	32	NW	1	N	2	NNW	2	0	8	8	O'cast, clear	O'cast, clear
25	59 58 N, 59 49 W	29.56	29.53	29.55	30	27	32	NNW	4	NNW	6	NNW	6	0	8	5	Cloudy, clear	O'cast, int. snow
26	56 30 N, 57 40 W	29.57	29.61	29.67	32	30	32	NNW	5	NW	3	WNW	3	0	7	8	O'cast, int. snow	O'cast, clear
27	52 57 N, 54 25 W	29.72	29.66	29.62	41	32	34	SW	3	SW	3	NSW	6	0	8	7	Cloudy, clear	O'cast, clear
28	50 17 N, 59 03 W	29.62	29.60	29.53	48	42	41	SSW	4	SW	4	NW	3	0	8	5	O'cast, clear	O'cast and haze
29	49 58 N, 64 38 W	29.28	29.09	29.36	40	29	41	N	3	NW	5	NW	5	0	4	4	O'cast, int. snow	O'cast, int. snow
30	Cape Dog	29.60	29.64	29.75	44	30	41	NSW	4	SW	5	SW	2	0	7	7	Cloudy, clear	Cloudy, clear
31	Queens Wharf, Que.	29.74	29.69	29.69	50	44	43	SW	2	Calm		N	2	0	4	5	Cloudy and haze	Cloudy and haze

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Date 1952	Noon Position Lat.N ° '	Long.W ° '	Wind Noon		8 p m		Barometer Noon	8 p m	Temp. Noon	8 pm	Vis. am	pm	Remarks a.m.	p.m.
July														
1	54.47	57.44	NW	2	SW	1	29.68	29.79	62	49	15	15	Sunny	Overcast
2	Tuchialik Bay		Calm	0	NW	3	29.55	29.55	49	40	15	2	Overcast	Overcast & raining
3	54.56	58.09	NW	1	SW	2	29.82	29.86	54	43	15	15	Sunny and clear	Cloudy
4	51.37	56.15	SW	4	ESE	2	29.97	29.78	49	52	15	15	Var. cloudiness	Fine and clear
5	50.04	63.02	W	3	W	4	29.69	29.75	60	58	15	15	Var. cloudiness	Var. cloudiness
6	48.14	69.25	NW	2	SW	1	30.17	30.17	59	79	15	15	Sunny and clear	Fair and clear
7	Lauzon		SW	1	Calm	0	30.23	30.15	86	91	15	15	Clear and sunny	Fine and clear
8	Lauzon		Calm	0	Calm	0	30.11	30.03	83	94	15	10	Clear and sunny	Cloudy
9	Lauzon		SE	1	ESE	1	30.05	30.02	85	86	15	15	Sunny and clear	Sunny and clear
10	Lauzon		E	2	Calm	0	30.02	30.03	78	78	15	15	Cloudy	Cloudy
11	Lauzon		NE	1	E	1	30.07	30.08	73	76	15	15	Var. cloudiness	Fine and clear
12	Lauzon		SW	1	SW	1	30.07	30.05	82	85	15	15	Var. cloudiness	Clear
13	Lauzon		NW	1	Calm	0	30.11	30.06	77	78	15	15	Sunny and clear	Sunny and clear
14	Lauzon		W	1	SW	1	29.98	29.98	82	87	15	15	Sunny and clear	Cloudy
15	Lauzon		SW	1	W	1	29.80	29.82	90	72	15	8	Sunny and clear	Overcast and rain
16	Lauzon		NE	1	NW	1	30.01	30.08	74	75	15	15	Overcast	Sunny
17	Lauzon		SW	1	SW	1	30.18	30.10	81	83	15	15	Sunny	Fair and clear
18	Lauzon		SW	2	SW	3	29.94	29.77	82	84	15	15	Var. cloudiness	Clear
19	On Nicolet Rg.		SW	3	W	1	29.64	29.61	76	81	15	15	Var. cloudiness	Overcast
20	Montreal		S	1	NW	1	29.18	29.70	79	82	15	15	Sunny and clear	Fair and clear
21	Montreal		SW	2	W	1	29.70	29.82	77	72	15	10	Overcast	Overcast and rain
22	Montreal		NW	1	SW	1	29.75	29.75	80	85	15	15	Sunny	Var. cloudiness
23	Montreal		SW	1	SW	4	29.66	29.57	86	78	15	12	Fair and sunny	Cloudy
24	46.42	71.30	SW	2	NNE	1	29.65	29.80	75	67	15	15	Overcast	Var. cloudiness
25	49.33	65.51	SW	2	NW	2	29.88	29.90	72	59	15	15	Sunny	Fine and clear
26	50.33	58.36	S	1	SW	2	29.99	29.91	62	63	15	15	Sunny and clear	Var. cloudiness
27	54.36	56.23	Calm	0	NNE	2	29.83	29.88	56	45	15	15	Overcast	Overcast
28	58.27	60.45	SE	2	SE	5	29.92	29.69	43	41	15	15	Sunny and clear	Fine and clear
29	61.04	66.24	S	2	SSW	2	29.15	29.35	38	46	3mi	10	Foggy	Var. cloudiness
30	Cape Hopes Adv.		SW	2	SE	3	29.66	29.64	50	41	15	15	Sunny and clear	Cloudy
31	Sugluk		E	2	ENE	2	29.54	29.60	43	43	3	5	Rain and fog	Overcast and rain

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Date 1952	Noon Position Lat.N o '	Long.W o '	Wind Noon		8 p m		Barometer Noon	8 p m	Temp. Noon	8 pm	Vis. am	pm	Remarks a.m.	p.m.
Aug.														
1	62.22	78.17	NE	4	SSW	2	29.48	29.57	46	53	15	15	Overcast	Fine and clear
2	Pt Harrison		NW	1	NW	2	29.56	29.56	48	47	15	15	Fair and clear	Fair and clear
3	Pt Harrison		N	4	NW	3	29.40	29.68	53	50	8	15	Overcast	Fine and clear
4	Pt Harrison		SW	2	W	1	29.78	29.86	45	46	5	3	Overcast and foggy	Overcast and foggy
5	Pt Harrison		SE	1	SW	2	29.72	29.87	52	50	12	15	Sunny	Fine and clear
6	58.51	87.16	SW	2	WSW	2	29.72	29.63	44	46	15	15	Sunny and clear	Clear
7	Churchill Ent		W	2	SW	2	29.48	29.37	40	51	15	15	Fine and clear	Overcast
8	Churchill		NW	3	NW	6	29.45	29.48	49	49	10	7	Overcast & con. rain	Overcast and rain
9	Churchill		NW	3	NW	1	29.52	29.57	51	54	15	15	Var. cloudiness	Overcast
10	Churchill		NW	2	W	1	29.61	29.60	49	50	15	15	Var. cloudiness	Overcast
11	Churchill		NW	2	NW	1	29.60	29.64	47	49	15	15	Var. cloudiness	Clear
12	Churchill		NW	1	NW	1	29.64	29.63	50	57	15	15	Cloudy	Cloudy
13	Churchill		W	1	Calm	0	29.55	29.52	60	66	12	15	Var. cloudiness	Cloudy
14	Churchill		E	1	NW	2	29.40	29.38	58	46	10	10	Overcast and rain	Raining
15	Churchill Ent		W	1	NW	1	29.52	29.47	49	48	15	15	Var. cloudiness	Clear
16	61.53	87.48	E	1	NE	2	29.48	29.44	46	46	8	10	Overcast and rain	Overcast and rain
17	Coral Harbour		S	1	SE	1	29.47	29.50	50	48	15	6	Cloudy	Overcast and showers
18	63.11	81.21	SE	1	N	2	29.62	29.63	47	42	3 to 6	6	Fog patches	Fog clearing
19	64.04	76.22	SW	1	W	1	29.69	29.70	48	44	8	15	Overcast and rain	Overcast
20	Cape Dorset		W	1	W	1	29.80	29.74	47	44	15	15	Overcast	Overcast
21	62.40	71.18	NE	1	N	2	29.80	29.85	46	46	15	15	Cloudy	Clear
22	Lake Harbour		SSW	1	SE	1	29.98	30.03	57	45	15	15	Fair and sunny	Fair and sunny
23	62.23	69.38	SE	3	SE	2	29.91	29.96	41	37	4	15	Raining	Overcast
24	Frobisher Bay		Calm	0	ENE	2	30.00	29.88	47	41	15	15	Sunny	Fine and clear
25	63.18	63.00	ENE	3	ENE	3	29.76	29.64	39	41	1 to 3	15	Fog	Overcast
26	67.52	62.20	NW	3	N	4	29.63	29.74	38	32	15	1 to 3	Cloudy	Fog
27	70.51	70.38	N	1	W	2	29.70	29.68	37	36	15	10	Sunny	Overcast
28	74.14	76.18	SW	5	NW	4	29.57	29.60	38	33	12	15	Var. cloudiness	Cloudy
29	Craig Harbour		Calm	0	ESE	3	29.60	29.56	43	33	15	12	Sunny	Cloudy
30	74.14	87.30	SE	4	NNE	3	29.53	29.28	34	33	5	2	Overcast	Overcast and snow
31	Resolute Bay		NE	2	N	3	29.39	29.39	30	34	10	15	Overcast	Cloudy

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Date 1952	Noon Position Lat.N ° '	Long.W ° '	Wind Noon		8 p m		Barometer Noon	8 p m	Temp. Noon	8 pm	Vis. am	pm	Remarks a.m.	p.m.
Sept.														
1	73.11	85.35	NW	3	Calm	0	29.29	29.37	33	34	3	15	Overcast and snow	Var. cloudiness
2	Arctic Bay		SE	3	E	3	29.50	29.56	36	36	15	15	Var. cloudiness	Fine and clear
3	75.33	74.23	E	5	ESE	4	29.76	29.83	38	35	10	1to 5	Overcast	Snow
4	76.06	78.16	NE	4	SE	1	29.78	29.81	34	35	15	15	Overcast	Cloudy
5	72.47	76.00	NW	5	SE	2	29.55	29.61	35	38	12	15	Cloudy	Fair and clear
6	Pond Inlet		N	1	N	5	29.15	29.67	50	36	15	15	Fine and clear	Overcast
7	70.22	68.35	NW	5	NW	3	29.54	29.63	34	33	12	2	Overcast	Overcast and snow
8	Clyde River		S	3	S	1	29.63	29.67	36	37	15	12	Overcast	Overcast
9	69.54	65.54	SE	1	S	2	29.75	29.77	35	29	15	1	Clear	Fog
10	Padloping		E	1	SE	3	29.79	29.84	41	36	15	15	Sunny	Fair and clear
11	65.23	65.32	NW	1	SW	1	29.77	30.00	41	40	15	15	Sunny	Cloudy
12	Pangnirtung		SW	2	Calm	0	30.08	30.13	38	38	15	12	Sunny	Cloudy
13	63.10	63.17	N	4	WNW	3	30.17	30.24	39	35	12	15	Cloudy	Clear
14	Frobisher Bay		W	1	SE	3	30.29	30.26	39	35	15	12	Sunny	Overcast
15	Frobisher Bay		SE	8	SSE	5	30.05	29.99	38	35	8	10	Cloudy	Cloudy
16	63.19	67.48	SE	4	ESE	4	30.02	29.97	33	39	1to 3	3	Foggy	Foggy
17	60.41	63.33	ESE	7	SE	4	29.64	29.46	41	40	6	1 to 3	Overcast	Foggy
18	57.35	59.16	S	4	SE	4	29.63	29.90	42	45	15	15	Sunny	Clear
19	52.38	55.17	SW	3	SW	2	30.00	29.97	50	57	6	15	Var. cloudiness	Clear
20	49.56	59.27	WSW	6	W	2	29.74	29.82	57	54	1 to 3	15	Foggy	Clear
21	49.70	66.53	SW	1	NW	1	29.94	29.87	50	47	8	15	Cloudy	Clear
22	Quebec		S	2	Calm	0	30.00	30.00	56	57	15	15	Var. cloudiness	Overcast

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Date	Barometer		Temp.		Wind				Precip.		Vis.		Weather	
	Mbs.	Mbs.	Max.	Min.										
1952	0730	1930	F°	F°	0730 am		1930 pm		am	pm	am	pm	a.m.	p.m.
July														
1	1003.9	1004.8	37.5	30.1	W	3	W	10	.10	.08	24	24	Cloudless	Part Cldy
2	1004.1	1008.4	34.7	31.2	WSW	12	WNW	9			24	24	Overcast	Overcast
3	1009.0	1008.5	41.5	32.6	NE	3	W	13			24	24	Cloudy	Cloudless
4	1007.5	1007.0	45.6	31.9	WNW	4	E	8			12	12	Cloudless	Cloudless
5	1008.2	1011.3	45.1	39.3	ENE	7	E	9			12	10	Cloudless	Cloudy
6	1013.4	1012.6	42.5	32.3	SSW	3	SE	9			12	12	Part Cldy	Cloudy
7	1004.1	992.9	43.4	36.1	ESE	19	S	17	.01		4	0	Dist Fog	Fog
8	1004.3	1014.0	39.5	34.3	WSW	21	WSW	16	T		12	12	Overcast	Part Cldy
9	1023.2	1022.5	47.3	34.3	Calm		E	10			24	12	Overcast	Overcast
10	1009.7	1018.1	42.5	35.1	ENE	26	NNW	4	.04	.06	1	12	Rain	Overcast
11	1028.2	1026.8	44.0	31.9	Calm		E	22	.65		10	12	Cloudless	Overcast
12	1020.6	1018.1	37.5	33.1	E	22	E	13	.02		8	3	Rain	Fog
13	1017.5	1017.0	41.3	33.5	Calm		Calm		T	.02	10	1/8	Overcast	Fog
14	1010.4	1001.7	39.3	33.1	E	17	ESE	5	.03	.13	¼	½	Fog	Fog
15	1007.0	1011.2	37.1	31.9	W	4	WSW	17			1	24	Fog	Part Cldy
16	1012.2	1010.3	41.6	32.7	SE	4	W	13	.10		24	¼	Overcast	Fog
17	1013.6	1011.5	37.1	31.1	W	17	W	4			¼	24	Fog	Cloudy
18	1005.2	1008.3	41.7	33.6	E	13	NE	17			12	12	Overcast	Cloudy
19	1009.1	1005.5	48.1	34.7	N	4	ENE	7			12	12	Cloudy	Part Cldy
20	1004.1	1002.8	41.2	31.4	W	4	W	4			10	10	Cloudless	Overcast
21	1006.3	1005.5	46.8	32.9	SW	9	W	2			12	12	Overcast	Overcast
22	1004.1	1002.8	43.2	34.0	W	10	WNW	6			12	24	Cloudless	Cloudless
23	1002.0	1000.9	54.0	34.5	NW	16	Calm		.01	.07	12	12	Cloudy	Overcast
24	997.1	995.3	49.2	40.4	E	26	NE	26			12	10	Overcast	Overcast
25	995.5	1000.8	46.5	34.9	NNW	13	Calm			.01	10	½	Overcast	Fog
26	998.8	992.5	48.2	31.1	ESE	9	ENE	13		T	12	1	Part Cldy	Drizzle
27	998.9	1014.5	40.5	34.1	W	26	Calm				4	12	Cloudy	Cloudless
28	1011.4	1001.6	42.1	35.1	ESE	22	E	30			12	10	Cloudy	Cloudy
29	996.0	996.9	38.8	35.1	E	30	S	9		.18	3/8	8	Fog	Overcast
30	1007.8	1010.5	46.0	35.1	WSW	9	Calm				10	24	Cloudy	Part Cldy
31	1009.0	1009.0	48.5	36.3	E	13	E	7			12	12	Cloudy	Overcast
Aug.														
1	1012.4	1011.6	48.6	38.1	E	3	E	15			12	24	Part Cldy	Cloudy
2	1007.1	1005.5	44.5	38.3	E	10	E	20		.16	5/8	1/8	Fog	Mist
3	1003.3	1004.4	48.8	37.1	ESE	10	Calm		.01		1/8	5	Fog	Part Cldy
4	1005.7	1006.4	46.4	37.3	N	5	NW	5		.49	12	10	Overcast	Rain
5	1013.7	1016.4	45.8	37.0	Calm		Calm		.03		1/8	0	Fog	Fog
6	1015.0	1015.6	40.2	35.1	E	15	E	25			¼	½	Mist	Mist
7	1017.8	1017.9	40.8	33.6	E	15	ENE	20			½	2	Fog	Mist
8	1017.0	1014.7	41.1	36.1	E	10	E	10			1/8	1/8	Fog	Fog
9	1010.0	1009.0	38.5	35.2	E	15	E	15	.05	.20	1/8	¼	Fog	Rain
10	1011.0	1009.3	45.7	36.2	Calm		NE	5			¼	¼	Fog	Fog
11	1008.9	1002.1	44.7	37.1	NE	5	E	10		.04	¼	1/8	Fog	Fog
12	997.3	999.0	46.6	36.1	E	20	S	15	.09		¼	12	Rain	Overcast
13	1002.7	1005.9	39.5	36.1	SW	23	ESE	10		.06	12	12	Overcast	Overcast
14	1003.7	1002.3	41.5	36.5	S	5	S	10			12	10	Overcast	Overcast
15	999.9	994.8	49.1	36.2	SW	15	E	10		.10	10	12	Overcast	Overcast
16	982.4	985.7	41.5	35.7	SW	20	SW	25	.08	.11	8	2	Overcast	Rain
17	996.2	1007.8	39.0	35.6	W	30	WSW	20	.05		½	12	Fog	Cloudless
18	1011.2	1008.9	46.1	34.9	Calm		Calm				12	12	Overcast	Cloudless
19	1007.1	1011.6	46.7	33.7	Calm		W	5	.05	.04	12	¼	Cloudy	Fog
20	1002.0	1013.0	39.5	30.6	WNW	10	WSW	2			¼	12	Fog	Cloudless
21	1011.0	1008.0	44.1	34.1	Calm		ENE	15	.01	.10	3	8	Dist Fog	Rain
22	1013.1	1019.2	49.6	38.1	NE	10	Calm				12	12	Part Cldy	Cloudless
23	1019.4	1016.0	44.5	33.6	NW	5	Calm				12	24	Cloudless	Part Cldy
24	1018.3	1016.6	47.0	32.1	NE	12	Calm				12	12	Overcast	Cloudless
25	1009.9	1002.0	45.4	33.1	SE	5	ESE	11		.02	12	3	Cloudy	Dist Fog
26	996.8	1002.2	39.3	31.9	E	15	W	20	.12		½	5	Fog	Mist

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Date	Barometer		Temp.		Wind				Precip.		Vis.		Weather	
	Mbs.	Mbs.	Max.	Min.										
1952	0730	1930	F°	F°	0730 am		1930 pm		am	pm	am	pm	a.m.	p.m.
Aug.														
27	1005.4	1004.7	36.2	33.1	W	15					1¾	¼	Dist. fog	Fog
28	1006.3	1008.1	39.1	33.1	W	25	NW	10			1	8	Fog	Part Cldy
29	1012.5	1017.5	41.6	34.1	NW	10	W	10			8	12	Overcast	Overcast
30	1019.5	1009.6	40.7	33.1	NW	10	S	30			10	1	Cloudy	Overcast
31	1003.1	1007.0	36.5	35.1	W	18	W	10			1	12	Fog	Cldless
Sept.														
1	1010.4	1013.1	37.8	32.1	NW	12	Calm				12	12	Cldless	Cldless
2	1010.0	1002.8	40.0	34.2	E	12	E	15	.02	.01	12	¼	Overcast	Fog
3	1000.4	996.8	43.2	33.1	E	5	Calm		.51	.05	1¾	5	Drizzle	Dist.Fog
4	994.5	987.4	41.4	34.7	Calm		W	20	.40	.36	2	3	Rain	Rain
5	1002.2	1002.2	37.3	32.9	W	15	SW	25			8	8	Overcast	Part Cldy
6	1003.1	1003.9	35.7	32.1	W	15	SW	25		.03	1	12	Snow	
7	1005.8	1006.5	35.2	31.7	W	25	W	35			8	10	Overcast	Overcast
8	1010.3	1013.7	34.6	30.1	W	30	Calm				10	10	Cloudy	Cldless
9	1009.7	1006.5	37.2	29.7	E	12	E	25			6	12	Overcast	Overcast
10	1011.5	1016.7	38.3	33.1	NE	15	Calm				8	10	Part Cldy	Part Cldy
11	1017.7	1019.3	36.7	32.7	Calm		N	5		.02	12	8	Overcast	Overcast
12	1019.9	1021.7	38.5	31.6	N	15	N	15	.02		10	10	Overcast	Overcast
13	1022.8	1025.0	41.6	33.1	N	10	N	5			10	10	Overcast	Cldless
14	1025.7	1029.4	43.2	32.3	Calm		Calm				12	10	Cldless	Cldless
15	1026.0	1020.0	36.5	32.9	ESE	15	SE	15	.01		12	12	Overcast	Overcast
16	1014.4	1013.5	41.5	30.2	NE	20	E	35	.01		2	2	Fog	Mist
17	1009.7	1000.9	41.7	36.1	E	35	E	45	.07		3	1	Overcast	Rain
18	995.8	1005.5	41.1	35.3	S	5	Calm		.16		1	12	Rain	Cldless
19	1007.1	1001.9	41.3	38.2	NE	10	E	25	.02		24	1½	Overcast	Drizzle
20	995.4	1000.5	38.1	33.1	NE	30	SSN	10	.22	.05	4	¼	Mist	Fog
21	1006.3	1008.2	37.7	32.4	E	10	Calm				10	½	Cloudy	Fog
22	1008.9	1009.4	35.0	31.1	Calm		W	10			½	1½	Fog	Shllw fog
23	1007.4	1006.9	35.5	29.9	SW	10	SW	15		.01	10	10	Overcast	Overcast
24	1005.4	1009.1	35.5	30.3	W	5	W	10	.06	.01	½	10	Snow	Overcast
25	1011.6	1013.8	33.3	29.6	W	5	Calm				12	12	Overcast	Cldless
26	1011.8	1003.2	34.7	27.6	ESE	5	E	25		.10	24	3	Cloudy	Snow
27	983.8	988.9	34.2	29.7	N	30	W	35	.10		½	10	Snow	Cldless
28	992.3	1003.4	33.5	26.9	W	30	W	20			8	10	Overcast	Cloudy
29	1012.6	1017.5	33.5	24.7	W	25	WSW	20			10	12	Cloudy	Cldless
30	1011.9	1009.5	33.7	28.6	SW	25	W	10		.70	12	2	Overcast	Gr. snw.
Oct.														
1	1007.5	997.4	32	26	E	10	E	10	.30	.26	2	10	Snow	Overcast
2	991.6	998.9	42	35	S	10	S	10	.25	.11	5	5	Overcast	Rain
3	1013.0	1028.4	42	29	NNW	20	ENE	5			10	10	Overcast	Overcast
4	1024.3	1012.3	33	28	E	25	E	40	.33	.41	1/8	¼	Snow	Snow
5		997.9		30			NNE	40	.20	.40		¼		Snow
6	998.2		31	29	NNE	10			.10	.01	1		Overcast	
7	1008.6	1014.7	32		WSW	10	WSW	20	.05	.02	10	10	Cloudy	Overcast
8	1013.5		29		NNE	7			.03		1¼		Rain	
9	1006.0	1007.7	30	22	N	15	NNW	10	.10	.02	12	10	Overcast	Overcast
10		1004.2		22			W		.45	.05		8		Overcast
11	1007.7	1105.9	30	27	NNW	15	Calm				12	10	Cloudy	Overcast
12	1000.2	1003.5	29	27	E	10	Calm		T		12	12	Overcast	Overcast
13	1005.4		30	25	Calm						10		Overcast	
14		1013.0		20			Calm					8		Cloudy
15	1014.7		25	22					.02	.01	10		Overcast	
16	1014.4	1010.4	30	26	SE	15	SE	20	.01		8	12	Overcast	Overcast

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Date	Barometer		Temp.		Wind		Precip.		Vis.		Weather	
	Mbs.	Mbs.	Max.	Min.								
1952	0730	1930	Fo	Fo	0730 am	1930 pm	am	pm	am	pm	a.m.	p.m.
Oct.												
17	1007.6	1007.8	30	27	NNE 12	E 15	.01		10	8	Overcast	Overcast
18		999.5		25		NNW 20				12		Overcast
19		999.4				N 5		T		10		Overcast
20	997.6	996.0	30	25	Calm	NNE 30	T	.03	12	5	Overcast	Snow
21	999.3	1003.9	30	28	NNE 10	NNE 15	T	.01	10	5	Overcast	Snow
22	1007.3	1010.1	32	29	E 5	NNW 15			10	10	Overcast	Part.Cldy
23	1011.5	1012.3	29	24	WNW 20	NNW 15			10	10	Overcast	Overcast
24	1010.8	1008.1	23	20	Calm	NNW 20		T	12	5/8	Overcast	Snow
25	1006.2	1003.4	22		N 15	SW 10		.05	10	10	Overcast	Cloudy
26	1002.0	1004.7	28	21	SSE 20	Calm	.02	.01	12	12	Cloudy	Part Cldy
27		1003.4				NNW 10				10		Overcast
28	1003.4		29	24	Calm				12		Overcast	
29	998.1	996.9	28	22	NNE 20	NNE 10		T	10	1	Overcast	Snow
30	987.9	979.8	33	26	NNE 10	Calm			10	10	Part Cldy	Overcast
31	978.2	982.9	25	24	NNW 20	WSW 40	.03		8	10	Snow Shws	Overcast
Nov.												
1	993.3	1004.2	24	18	WNW 35	WSW 30		T	10	10	Overcast	Cloudy
2	1006.8	1003.7	20		WSW 25	W 20		T	6	½	Overcast	Snow
3	1003.0	1002.5	21	14	N 5	NNW 15		T	10	10	Overcast	Cldless
4	1003.7	1006.1	15	15	Calm	WSW 12	.03		10	10	Overcast	Part Cldy
5	1007.8	1010.9	27	22	WSW 4	SSW 15	T	T	8	10	Overcast	Part Cldy
6	1014.8	1012.2	25	22	S 10	NNE 15			10	10	Cloudy	Part Cldy
7	1003.6	997.5	25	14	NNE 25	N 25	.03	.01	½	5	Gr. snow	Overcast
8	1000.8	1011.0	21	14	NNW 20	SW 50			8	10	Part Cldy	Cldless
9	1016.4	1014.9	17	14	N 5	NNE 5		.01	10	10	Cloudy	Overcast
10	1014.1		17	13	SW 25		T		¼		Snow	
11	1014.2	1010.3	18	17	W 5	NNE 4			12	12	Overcast	Cldless
12	1005.2	1003.2	20.	15	E 12	ESE 30	.03	.13	10	1/8	Overcast	Snow
13	1009.0	1015.9	29	25	ESE 10	E 20	.03	.04	10	1	Overcast	Snow
14	1014.2	1014.9	30	20	NNE 20	N 15			10	10	Cloudy	Cloudy
15	1019.4	1021.2	25	21	Calm	NNW 15			12	12	Overcast	Cldless
16	1017.5	1022.3	24	22	WSW 25	Calm			10	10	Overcast	Cldless
17	1026.2	1023.7	22	18	Calm	W 15			12	12	Cloudy	Overcast
18	1023.2	1024.6	27	25	W 15	W 20			12	10	Overcast	Overcast
19	1024.6	1025.0	29	27	S 12	SE 15			12	12	Part Cldy	Cldless
20	1028.5	1030.4	31	28	Calm	SE 12			10	10	Cldless	Overcast
21	1029.3	1023.7	30	28	E 15	E 5		.02	10	3	Overcast	Rain
22	1024.5	1026.6	33	31	SW 5	W 25			10	10	Cldless	Mist
23	1030.2	1024.4	32	29	W 21	S 5		.01	10	10	Overcast	Overcast
24	1012.7	1003.9	30	28	E 10	S 12	.01		2	6	Overcast	Overcast
25	1001.9	1008.8	32	27	WSW 10	W 30	.02		4	8	Snow	Overcast
26	1015.1	1019.7	29	222	WSW 35	W 20			10	10	Cloudy	Cloudy
27	1008.9	991.3	20	16	SE 30	SSE 19	.04	.02	10	3	Overcast	Overcast
28	990.3	1002.9	32	22	SSW 30	W 25			10	10	Overcast	Overcast
29	1006.1	1007.1	21	17	W 20	W 10			12	12	Overcast	Overcast
30	1008.7		21	17	SSW 15				12		Overcast	

Date	Barometer		Temp.		Wind		Precip.		Vis.		Weather	
	Mbs.	Mbs.	Max.	Min.								
1952	0730	1930	F°	F°	0730 am	1930 pm	am	pm	am	pm	a.m.	p.m.
July												
1	1005.9	1006.6	61	31	NW 20	NW 20	.01		20	20	Cloudy	Cldless
2	1005.5	1008.3	43	34	SW 14	NW 19			20	20	Part.Cldy	Part.Cldy
3	1010.7	1011.7	42	35	NW 27	NW 30			20	20	Part.Cldy	Cldless
4	1010.2	1007.0	52	37	W 21	NNW 9			20	20	Cldless	Part.Cldy
5	1005.8	1009.1	48	33	NE 4	NE 6			20	20	Cldless	Overcast
6	1011.5	1010.2	64	31	NW 6	S 11			20	20	Cldless	Overcast
7	1002.4	990.5	68	39	SE 23	S 22	.02	.06	10	1	Rain	Rain Shws.
8	998.4	1009.9	53	39	W 39	NW 14	.01		20	20	Cloudy	Part.Cldy
9	1017.7	1021.1	62	44	SW 20	SE 23			20	20	Cldless	Overcast
10	1014.6	1016.2	45	33	E 13	NW 13	.48	T	10	10	Rain	Cloudy
11	1023.8	1025.6	57	36	S 10	SE 17	T		20	20	Cldless	Cldless
12	1018.7	1015.3	43	32	SE 23	S 19			20	½	Overcast	Overcast
13	1017.1	1015.9	59	34	S 7	SE 21		.26	10	20	Overcast	Cldless
14	1011.9	1005.0	52	34	SE 18	NE 9			20	8	Overcast	Rain
15	1005.3	1008.6	55	34	W 18	SE 9			15	20	Overcast	Cloudy
16	1010.0	1010.5	54	40	SW 13	NW 14	.05	T	20	15	Cloudy	Part.Cldy
17	1014.5	1013.4	61	33	NW 18	E 4			10	20	Overcast	Cloudy
18	1004.4	1008.4	51	35	SW 23	NW 16	.14		20	1/8	Cloudy	Fog
19	1010.6	1009.6	43	35	W 19	W 22			10	10	Overcast	Part. Cldy
20	1007.9	1009.0	45	37	W 24	NW 23			20	10	Part.Cldy	Overcast
21	1008.5	1007.7	52	38	W 27	NW 23			20	10	Cldless	Overcast
22	1004.7	1003.1	61	42	NW 17	E 4			20	20	Part.Cldy	Cldless
23	1001.2	999.6	69	51	SW 16	S 20			20	20	Overcast	Overcast
24	998.8	997.8	61	36	NW 19	NW 18		.19	20	2	Overcast	Rain
25	998.0	1000.6	50	37	NW 24	NW 27			10	15	Overcast	Cldless
26	997.3	989.1	50	38	S 22	S 22	T	.08	20	1/8	Cldless	Rain
27	999.8	1010.2	62	40	NW 34	NW 15			10	20	Cldless	Part.Cldy
28	1009.4	998.1	53	40	SSW 26	SE 34		T	15	8	Overcast	Rain
29	988.8	998.0	54	40	SE 24	SSW 12		.24	8	8	Cloudy	Overcast
30	1000.9	1006.3	52	38	W 18	SE 28			15	20	Overcast	Cldless
31	1002.4	1003.0	53	38	SE 14	SE 14		T	12	12	Part.Cldy	Overcast
Aug.												
1	1006.2	1003.4	69.0	35.0	SE 22	S 10			12	12	Part.Cldy	Cloudy
2	1004.9	1005.5	41.3	35.0	SE 36	SE 30			3/8	12	Fog	Cloudy
3	1001.7	1004.6	46.2	36.0	W 10	E 18	.05	.10	1/8	1/4	Overcast	Fog
4	1004.7	1001.8	53.5	35.0	S 12	SE 14			12	5	Overcast	Overcast
5	1013.8	1006.6	53.9	37.0	Calm	SE 4			12	8	Overcast	Cldless
6	1012.6	1014.6	43.5	34.5	E 10	SE 18			1/8	12	Fog	Overcast
7	1013.3	1011.4	46.2	33.0	SE 15	SE 14			12	0	Part.Cldy	Fog
8	1014.3	1014.1	43.0	34.0	SE 14	SE 27		T	0	0	Fog	Fog
9	1002.5	1010.9	63.5	35.8	SE 34	SE 25	.03		2	5	Overcast	Dist.Fog
10	1007.9	1005.7	62.4	40.5	SW 8	S 20			12	12	Part.Cldy	Cloudy
11	1007.5	1008.2	49.5	37.2	SW 24	SE 10		.08	3	12	Dist.Fog	Cloudy
12	993.8	1001.6	50.7	36.0	S 9	SE 30	.09		5	0	Overcast	Rain
13	998.9	992.3	55.5	41.4	SW 24	SW 18		T	12	10	Part.Cldy	Overcast
14	998.1	1001.0	51.2	39.0	S 14	SE 33	T	.09	8	5	Rain	Rain Shws.
15	997.4	997.8	57.5	39.0	SW 16	SW 5		.88	12	8	Part.Cldy	Rain Shws
16	978.3	989.1	45.8	38.0	W 12	SW 18	.02	.52	12	10	Overcast	Overcast
17	999.2	989.2	56.0	38.6	NW 32	NW 48			12	1/8	Overcast	Rain
18	1008.5	1007.0	56.1	43.0	S 5	SE 6	T	.10	12	12	Overcast	Part.Cldy
19	1007.1	1005.7	59.0	38.3	W 6	SW 6			12	12	Cloudy	Cldless
20	1012.4	1009.2	54.0	37.5	SW 10	NW 9			12	10	Overcast	Fog Patchs
21	1008.7	1011.8	43.9	36.8	E 6	SW 6			12	12	Overcast	Overcast
22	1015.8	1010.7	51.2	36.0	W 14	NW 14			10	10	Cldless	Part.Cldy
23	1016.7	1018.8	62.0	37.6	SW 14	SW 6		.01	12	12	Cldless	Cldless
24	1018.9	1016.9	48.2	37.0	NW 10	NW 14			12	1/8	Overcast	Fog
25	1005.6	1014.9	55.0	35.5	SE 18	SE 10	T	.20	12	10	Cloudy	Part.Cldy
26	998.2	1001.1	44.9	36.5	NW 27	SW 17			12	8	Overcast	Overcast

CAPE HOPES ADVANCE METEOROLOGICAL REPORT - 1952

MN-11-5

Date	Barometer		Temp.		Wind				Precip.		Vis.		Weather	
	Mbs.	Mbs.	Max.	Min.										
1952	0730	1930	F°	F°	0730 am		1930 pm		am	pm	am	pm	a.m.	p.m.
Aug.														
27	1006.2	1004.9	42.6	35.8	NW	6	NW	14			1/4	5	Rain Shws	Overcast
28	1010.3	1007.0	39.9	32.9	NW	25	NW	34	T		10	4	Rain	Overcast
29	1015.5	1012.0	43.1	31.7	NW	32	NW	24			12	8	Overcast	Overcast
30	1019.6	1021.1	52.0	34.9	SW	12	NW	12		.27	12	10	Cloudy	Part.Cldy
31	1005.1	1006.7	44.9	33.6	NW	18	SW	22	T		12	4	Cloudy	Rain
Sept.														
1	1011.4	1009.3	44.7	33.2	SW	8	NW	6			12	10	Overcast	Cldless
2	1007.0	1012.9	38.9	33.2	E	26	NE	1	T	.06	12	12	Overcast	Cloudy
3	999.8	1000.9	40.0	34.6	N	10	E	16	.04	.32	1/8	1/4	Fog	Drizzle
4	996.8	998.3	40.9	35.7	NW	15	NW	8	.02	T	1/8	1/8	Fog	Drizzle
5	1000.5	992.6	47.5	32.9	W	20	NW	40	T	.07	12	6	Cldless	Overcast
6	1003.1	1000.4	37.1	30.3	NW	30	NW	22	T	T	12	1	Overcast	Rain Shws.
7	1007.6	1003.4	35.5	29.9	NW	32	NW	34	T	T	5	2	Rn & Shs	Rn & Shws.
8	1012.6	1010.5	47.8	30.4	NW	12	NW	28			12	12	Cloudy	Sn. Shwrs.
9	1004.3	1011.3	38.5	33.0	SE	20	SE	10	.12	.04	3/8	10	Rain	Overcast
10	1012.0	1002.4	41.3	32.2	E	18	SE	24			12	3	Overcast	Rain
11	1016.4	1016.4	40.8	31.1	SW	9	S	12			6	10	Overcast	Overcast
12	1024.0	1021.1	34.0	28.8	NW	30	NW	36	T	T	8	10	Sn.Shwrs.	Overcast
13	1026.7	1025.7	38.6	29.0	NW	24	NW	30	T		12	10	Overcast	Overcast
14	1029.2	1028.9	42.1	29.0	NW	14	NW	21			1/8	12	Fog	Cldless
15	1021.0	1027.0	43.3	29.3	SE	32	SE	22			12	1/8	Part.Cldy	Fog
16	1041.0	1014.7	39.5	29.4	SE	20	SE	18			1/8	12	Fog	Part.Cldy
17	1003.7	1010.4	39.0	35.0	E	40	E	36	T		1/4	2	Fog	Overcast
18	994.3	996.2	43.7	33.7	SE	12	E	39	.06		0	1/8	Fog	Fog
19	1005.5	1002.1	42.5	35.1	W	2	S	6		.16	12	12	Cloudy	Cloudy
20	999.1	1003.5	38.2	34.4	NW	14	E	25	.10		12	5	Overcast	Rain
21	1005.6	1002.2	38.2	32.5	NW	16	NW	22			12	12	Overcast	Part.Cldy
22	1009.7	1009.0	43.4	31.6	NW	12	NW	16			12	12	Cloudy	Cloudy
23	1005.0	1007.1	43.7	33.5	SW	12	SW	10	T		12	12	Drizzle	Part.Cldy
24	1006.2	1004.6	34.8	27.2	NW	24	SW	14	T	T	12	12	Overcast	Overcast
25	1012.4	1010.8	35.2	27.5	NW	3	NW	14	T	T	12	10	Cloudy	Part.Cldy
26	1010.5	1012.9	35.5	26.2	NE	4	E	3		T	12	12	Cldless	Cloudy
27	994.4	1004.1	37.1	27.1	NW	30	NE	18	T	T	12	5	Overcast	Gr. Snow
28	992.3	991.3	33.8	26.2	NW	36	SW	18			12	10	Overcast	Cloudy
29	1012.4	1004.0	37.0	27.2	NW	30	NW	37		T	12	12	Cloudy	Part.Cldy
30	1008.2	1015.1	36.0	26.3	SW	26	SW	19	T	T	10	2	Overcast	Snow
Oct.														
1	1004.1	998.5	36	26	SE	25	SE	27	.01	.29	1/2	3	Snow	Rain
2	989.7	991.9	42	28	NNW	23	NNW	40	.05	.15	5	3	Overcast	Snow
3	1016.3	1027.8	29	25	NNW	24	NNE	13			12	12	Part.Cldy	Overcast
4	1018.8	1010.1	31	27	E	25	E	52	T	.01	1/2	1	Snow	Fr'z Drizz.
5		998.4		27			E	45		.02		12		Snow
6	1000.3		30	27	NNW	18			.10	T	1/4		Snow	
7	1009.0	1014.3	29		NNW	24	SSW	18			12	10	Overcast	Overcast
8	1011.6		26	21	WSW	8				T	12		Overcast	
9	1010.5	1010.9	27	19	NNW	28	NNW	40	.01	T	12	1/2	Overcast	Sn.Shwrs.
10		1009.6		19			W	36				8		Overcast
11	1009.4	1003.9	27	24	NNW	10	SE	15	T		8	10	Fr'g Dr.	Overcast
12	999.7		28	23	NNE	22			T		10		Overcast	
13	1006.5		29	23	NNW	16				T	12		Cloudy	
14	1012.2	1013.7	26	22	SW	10	W	14	T	T	12	12	Overcast	Cldless
15	1012.8		22	15	SSW	10					12		Overcast	
16	1009.3	1007.1	28	18	SE	15	SE	28			12	12	Part.Cld.	Cldless
17	1006.7		30	23	S	1				.05	12		Overcast	
18		1003.2		24			NNW	32				10		Cloudy
19		1003.0					NNW	35				12		Cldless
20	1000.3	1000.9	28	24	NNW	50	WSW	27			12	10	Part.Cld.	Overcast
21	1001.4	1006.9	28	21	NNW	22	NNE	12	T	T	10	12	Overcast	Overcast
22	1010.1	1012.9	28	21	NNW	12	NNW	18	T		12	10	Overcast	Overcast

Date	Barometer		Temp.		Wind		Precip.		Vis.		Weather	
	Mbs.	Mbs.	Max.	Min.								
1952	0730	1930	Fo	Fo	0730am	1930 pm	am	pm	am	pm	a.m.	p.m.
Oct.												
23	1013.1	1013.0	26	22	NNW 12	N 8	T		12	10	Overcast	Overcast
24	1011.0	1010.7	25	21	NNW 23	NNW 12	T		12	10	Cloudy	Overcast
25	1006.5	1000.5	24		NNW 16	NNW 21	T	.05	12	8	Overcast	S Shwrs
26	1001.5	1005.8	26	16	NNE 16	NNW 12			12	12	Cldless	Cloudy
27		1004.3				NNE 4	T	T		12		Cldless
28	1003.3		26	20	N 8		.02	T	5		Fr'g Dzl.	
29	1001.0	998.2	24	16	NNW 21	SE 6	T	T	4	12	Sn.Shwrs.	Cldless
30	987.8	981.8	20	15	S 10	NNW 12	.05	.10	12	5	Overcast	Snow
31	982.9	990.2	27		NNW 36	NNW 40	T	.02	10	8	Overcast	Sn.Shwrs.
Nov.												
1	997.7	997.7	22	15	NNW 36	NNW 20	.01		3	12	Overcast	Cloudy
2	1006.5	1004.6	17		SSW 10	NNW 25		02	12	3/8	Overcast	Drft.Sn.
3	1003.6	1003.4	17	10	NNW 12	SW 12	.02	T	12	12	Overcast	Overcast
4		1003.4		16		W 14				10		Overcast
5	1007.1	1009.5	19	13	W 18	ESE 4			12	12	Overcast	Cldless
6	1013.4		17	11	SW 8				12		Cldless	
7	1007.7	1003.3	24	11	N 20	NNW 32			12	10	Overcast	Overcast
8	1005.1	1015.1	18	13	NNW 45	NNW 25		T	10	12	Cloudy	Cldless
9	1017.5	1014.2	19	13	NNW 27	SW 10	T		12	12	Part Cldy	Cldless
10	1012.2		15	6	SW 16		T		10		Sn.Shrs	
11	1011.2	1008.9	10	1	WNW 13				12	12	Overcast	Cldless
12	1004.9	1000.9	20	17	E 22	NNW 23	T	.13	12	1/2	Overcast	Snow
13	1006.7	1017.9	27	19	SW 24	NNW 7	T		24	10	Snow	Overcast
14	1018.5	1018.5	28	19	W 28	NNW 29		T	12	5	Overcast	Sn.Shwrs.
15	1020.9	1023.4	27	21	NNW 22	NNW 10	T		10	10	Overcast	Overcast
16	1020.1	1026.4	24	19	NNW 16	NNW 35	T		12	10	Overcast	Overcast
17	1026.8	1022.8	22	13	S 12	SW 13			12	12	Overcast	Cldless
18	1021.9	1020.6	22	13	SW 12	SW 24			12	12	Part.Cldy	Cldless
19	1017.1	1018.6	23	19	SE 25	SE 32			12	12	Cloudy	Overcast
20	1021.3	1024.5	31	22	S 30	SE 31			12	12	Cldless	Cldless
21	1022.3	1020.0	27	22	SE 30	S 13		T	12	10	Overcast	Overcast
22	1021.9	1027.0	33	31	SW 20	SW 30			12	12	Part.Cdy.	Cldless
23	1029.8	1021.7	31	22	SW 8	E 18		.13	12	6	Overcast	Snow
24	1004.9	999.0	38	22	S 10	SW 17	T		3/8	8	Fr'g Rn.	Overcast
25	1003.8	1014.9	35	21	NNW 36	NNW 35	T		8	10	Overcast	Overcast
26	1019.8	1020.1	23	17	NNW 27	SW 10		T	12	12	Part.Cdy.	Cldless
27	997.8	983.7	21	13	SE 47	S 30	.08		1/8	12	Snow	Cloudy
28		1001.9		12		SW 23				12		Cldless
29	1004.6	1005.6	17	10	SSW 18	SW 18		T	12	12	Overcast	Cldless
30	1006.1		11	3	S 16		T		12		Cloudy	

NOTTINGHAM ISLAND METEOROLOGICAL REPORT - 1952

Date	Barometer		Temp.		Wind				Precip.		Vis.		Weather	
	Mbs.	Mbs.	Max.	Min.										
1952	0730	1930	F°	F°	0730 am		1930 pm		am	pm	am	pm	a.m.	p.m.
July														
1	1009.8	1009.0	46.5	32.2	W	6	W	13			12	12	Cldless	Cloudy
2	1011.9	1016.9	49.4	32.2	N	10	NW	10			12	12	Cldless	Cldless
3	1016.0	1013.2	52.2	33.6	Calm		W	4			12	12	Cloudy	Cloudy
4	1009.6	1008.9	49.9	40.7	ENE	18	E	15			12	12	Cloudy	Part Cldy
5	1009.8	1008.1	43.2	39.0	E	14	E	22	.09	.14	10	12	Rain	Overcast
6	1007.7	1004.1	49.0	36.7	E	8	E	17	.02	.15	½	6	Drizzle	Drizzle
7	987.7	992.7	39.0	34.1	SW	18	NW	25	.34	T	¼	12	Drizzle	Overcast
8	1001.6	1009.4	41.8	33.9	W	20	WSW	15			12	12	Cldless	Cldless
9	1016.6	1017.0	48.8	32.9	SW	8	E	10			0	10	Fog	Overcast
10	1015.7	1019.8	50.4	41.6	E	3	SSW	8		.06	12	10	Overcast	Drizzle
11	1023.9	1019.2	56.0	36.9	SW	5	NE	20			10	12	Overcast	Part Cldy
12	1013.1	1013.2	43.3	36.2	E	18	S	14		.02	12	½	Overcast	Drizzle
13	1013.0	1011.2	41.8	34.9	S	15	S	8	T		10	12	Overcast	Overcast
14	1007.0	1005.5	42.2	34.9	SW	10	W	10		T	1/8	¼	Fog	Fog
15	1003.2	1005.4	38.0	33.3	W	7	W	8	.09	.02	1	10	Snowers	Overcast
16	1011.3	1016.3	44.1	29.0	NW	6	W	7			1	12	Fog	Cloudy
17	1015.3	1010.4	50.8	34.9	NW	5	NW	10			12	12	Cloudy	Part Cldy
18	1012.6	1015.8	52.8	33.4	N	5	N	12			12	12	Overcast	Overcast
19	1016.2	1013.9	49.4	35.2	WNW	3	W	5			12	12	Cloudy	Cloudy
20	1014.3	1013.2	52.6	36.1	NW	6	NW	8			12	12	Overcast	Overcast
21	1011.1	1007.9	53.3	38.8	SW	6	W	7			12	12	Part Cldy	Cloudless
22	1004.1	1002.7	54.0	38.8	W	5	W	8			½	12	Dist Fog	Part Cldy
23	1002.6	1001.8	48.0	36.0	W	1	ESE	10			1	1	Fog	Dist Fog
24	1003.5	1006.2	53.0	35.0	NW	6	WNW	8			12	12	Overcast	Cloudless
25	1003.7	996.5	56.0	39.0	S	4	SE	18		.03	12	12	Part Cldy	Overcast
26	991.0	997.4	50.0	35.5	E	8	W	10	.46	T	1	12	Rain	Cloudless
27	1001.9	1003.6	44.0	37.0	SW	16	SW	22		T	10	8	Cloudy	Rain
28	1001.8	996.6	49.0	37.5	SE	6	N	10		.19	6	8	Dry Haze	Rain
29	988.8	991.7	41.5	35.0	N	12	W	20	.72	.05	2	10	Rain	Overcast
30	999.4	997.1	48.0	36.0	S	18	E	24		T	12	5	Cloudy	Rain
31	1002.7	1003.8	44.0	37.0	Calm		NW	32	.02	T	12		Overcast	Overcast
Aug.														
1	1003.2	1006.1	51.8	39.0	E	16	E	9		T	1/8	1/8	Fog	Drizzle
2	1005.5	1008.3	54.0	41.2	ENE	24	E	15	T	.05	12	15	Cloudy	Overcast
3	1006.7	1004.6	62.1	39.0	NNE	6	NW	18	T		15	6	Cloudy	Dist Fog
4	1004.8	1009.1	48.0	36.6	NW	4	W	9			10	10	Dist Fog	Overcast
5	1010.9	1010.3	49.5	42.8	S	10	ESE	12			1/8	15	Fog	Overcast
6	1009.4	1008.3	53.0	43.0	ESE	18	ESE	18			15	10	Cloudy	Cloudy
7	1009.8	1009.6	58.0	42.0	E	12	E	18			12	15	Cloudy	Cloudy
8	1008.6	1003.5	48.0	40.5	E	21	E	21			10	1	Cloudy	Rain
9	999.1	997.8	47.0	40.3	S	4	SSE	8		.91	10	2	Overcast	Rain
10	1001.1	1002.4	48.0	41.0	SW	15	S	14	.18	.29	5	8	Overcast	Drizzle
11	1004.0	997.9	56.0	39.0	E	6	ESE	18	.11	.04	½	15	Rain	Cloudy
12	990.6	989.2	52.7	38.0	E	19	E	8	.04	.22	1	15	Rain	Overcast
13	988.4	993.3	49.5	40.6	SW	6	S	6		.15	2	1	Rain	Rain
14	992.8	994.6	49.0	35.0			WSW	6	.03	.17	3	10	Dist Fog	Dist Fog
15	996.3	991.9	51.0	42.0	NW	8	NW	4	.11		1/8	15	Fog	Cloudy
16	990.7	996.0	48.5	36.8	W	12	NW	15			15	2	Cloudy	Fog
17	1000.6	1003.8	50.0	38.5	W	6	SW	7			½	12	Fog	Overcast
18	1004.5	1005.3	48.0	34.0	S	3	WNW	8	.01	.12	8	15	Rain	Cloudy
19	1007.0	1009.6	45.5	36.0	W	6	W	5	.02		12	¾	Overcast	Fog
20	1010.9	1012.5	48.8	36.6	NW	10	E	6			15	10	Overcast	Cloudy
21	1012.8	1015.0	49.0	40.0	NNE	6	E	8			15	15	Overcast	Clear
22	1014.3	1014.3	48.6	41.0	S	14	WSW	6			10	10	Cloudy	Overcast
23	1017.4	1021.7	41.9	37.0	NE	12	E	6	.04	.29	15	15	Cloudless	Part Cldy
24	1017.6	1005.9	51.0	41.0	E	12	E	16			15	15	Overcast	Cloudy
25	995.2	994.9	46.6	35.3	W	4	WSW	8		.47	0	5	Fog	Drizzle
26	999.7	1008.8	37.5	33.5	WNW	28	NW	24	.02	.05	3	6	Drizzle	Overcast

NOTTINGHAM ISLAND METEOROLOGICAL REPORT - 1952

Date	Barometer		Temp.		Wind		Precip.		Vis.		Weather	
	Mbs.	Mbs.	Max.	Min.								
1952	0730	1930	F°	F°	0730 am	1930 pm	am	pm	am	pm	a.m.	p.m.
Aug.												
27	1009.1	1012.1	35.5	32.5	NW 18	W 16	.03		3	15	Snow Shrs	Cloudy
28	1016.4	1019.1	37.6	33.6	NW 12	WNW 6			15	15	Overcast	Cloudless
29	1020.5	1020.0	44.0	39.0	Calm	SSW 6			15	15	Overcast	Cloudy
30	1004.6	1001.9	43.2	31.5	S 42		.06	.26	3		Rain	
31	1001.0	1009.3	38.9	31.9				.01				
Sept.												
1	1010.6	1011.4	35	32	W 15	NW 6			12	12	Cloudless	Part Cldy
2	1008.6	1006.1	36	33	NNE 7	E 6			12	12	Cloudless	Part Cldy
3	1003.8	1004.9	37	31	NNE 5	WSW 6			6	12	Dist Fog	Part Cldy
4	1002.0	1000.7	38	34	Calm	WSW 6	T	.15	12	2	Overcast	Overcast
5	1004.3		33	26	NNW 31		.03		2		Snow	
6	1005.9	1010.9	30	17	NNW 32	NNW 30	.01	T	10	12	Overcast	Overcast
7	1012.6	1012.8	30	26	NNW 22	W 5			12	10	Overcast	Part Cldy
8	1011.3	1008.0	32	24	NNW 4	NNE 20			¼	1/8	Fog	Fog
9		1008.4		30		NNE 21				4		Dist Fog
10		1014.3		33		NNW 10				3		Dist Fog
11	1011.0		22	30	W 12		.08		4		Snow	
12	1029.0	1030.9	32	29	Calm	WSW 5			12	12	Cloudless	Overcast
13		1032.6		33		E 8				12		Cloudy
14		1014.4		33		E 23		.33		6		Overcast
15	1004.3	1005.5	44	32	SE 20	NNE 12	.15	.51	2	¾	Rain	Rain
16	1014.4	1011.6	32	31	NNE 20	NNE 16	T		2	12	Fog	Cloudless
17	1010.7	1006.4	44	35	NNE 18	NNE 22			9	8	Cloudy	Fog
18	1002.6	1003.6	47	38	NNE 6	NNE 5			12	12	Part Cldy	Cloudless
19		1008.5		38		E 6				2		Dist Fog
20		1008.1		32		NNW 22				5		Overcast
21		1012.1		29		NNW 4				12		Overcast
22	1010.3	1002.1	36	28	NNW 5	ENE 8			12	12	Overcast	Overcast
23	1005.6	1009.0	34	30	NNE 7	NNW 15			6	12	Snow Shrs	Overcast
24	1011.7		30	25	N 10			.25	12		Overcast	
25	1011.3		32	24	NNW 14		.04		¾		Snow	
26	1009.5	1004.4	30	26	SSW 10	S 5	T	.02	10	12	Snow	Overcast
27	996.3		31	28	SSW 5		.02		12		Snow	
28	989.1	1002.3	26	23	WSW 24	W 25			½	10	Drift Sno	Overcast
29		1006.4		25		N 7	.01	.05		1		Snow
30	1009.2	1009.1	28	22	WSW 20	W 6			12	4	Overcast	Overcast
Oct.												
1	1005.4	998.6	26	16	WSW 6	N 21	T		9	12	Cloudy	Overcast
2	999.9	1005.5	27	23	N 20	NNW 9			12	12	Shal Fog	Overcast
3	1016.5	1024.6	28	23	SW 12	SE 20			12	12	Overcast	Part Cldy
4	1024.7	1020.0	31	26	E 24	NNE 27			12	12	Cloudy	Overcast
5		1010.6		28		NNE 12				12		Part Cldy
6	1007.5		28	22	N 6			.05	12		Cloudy	
7	1008.5	1012.5	27		WSW 6	N 5	.02		2¼	10	Snow	Overcast
8	1015.2		25	18	N 6				12		Part Cldy	
9	1018.1	1019.8	22	16	NNW 17	NNW 9	T	T	4	10	Snow	Overcast
10		1014.3		21		N 5				12		Overcast
11	1010.2	1007.6	22	22	NNE 6	N 9		T	12	5	Overcast	Freez Drz
12	1007.2	1009.1	25	23	N 8	NNW 6	T	.02	9	½	Snow Cryst	Snow
13	1011.9		27	19	NNW 7		T		9		Overcast	
14	1011.2	1006.4	21	20	S 24	S 10	.27	.10	3	5	Snow	Snow
15	1005.6		30	25	SE 12		T	T	9		Overcast	
16	1006.6	1007.6	25	16	NNE 5	NNW 15	T	.05	12	3	Overcast	Snow
17	1011.0	1010.8	20	10	N 10	NNW 16	T	.01	12	3	Part Cldy	Snow
18	1008.9	1012.2	32	28	N 5	WSW 10	02		12	10	Overcast	Overcast
19	1014.1	1019.6	25		N 24	N 21			9	12	Cloudy	Overcast
20	1014.3	1009.6	26	22	NNW 12	N 6			12	10	Cloudy	Overcast
21	1009.4	1012.1	22	22	SSW 10	NNW 5			9	10	Overcast	Overcast

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MN-11-5

Date	Barometer		Temp.		Wind		Precip.		Vis.		Weather	
	Mbs.	Mbs.	Max.	Min.								
1952	0730	1930	Fo	Fo	0730 am	1930 pm	am	pm	am	pm	a.m.	p.m.
Oct.												
22	1013.8	1015.8	24	21	N 5	Calm	T	T	8	10	Snow	Snow
23	1014.6	1015.4	24		NNE 6	N 5	T	T	10	12	Overcast	Part Cldy
24	1015.5	1012.3	21	17	N 2	NNW 13		.01	12	5	Overcast	Snow
25	1005.3	1005.4	29	9	NNW 23	NNW 18	.03	T	2¼	4	Snow	Drft Sn.
26	1007.9	1009.9	23	11	NNE 6	NNE 6		.86	12	12	Overcast	Overcast
27		1010.3				N 6		.02		3		Snow
28	1009.4		17		NNW 8				8		Overcast	
29	1002.3	994.2	12	8	NNE 7	E 18	.01		24	3	Overcast	Drft Sn.
30	989.1	990.5	18	16	N 8	N 10	T	.01	12	12	Overcast	Overcast
31	996.0	1000.7	17	9	NNW 17	NNW 18	.01	.01	10	3	Overcast	Snow
Nov.												
1	1003.2	1005.0		3	NNW 22	SW 13	.01	.01	12	10	Overcast	Overcast
2	1005.6	1007.5	15		NNW 17	N 6	T	T	10	12	Overcast	Part Cldy
3	1003.3	1000.2	6	00	NNW 10	W 6	T	.05	12	8	Overcast	Overcast
4	999.0	1004.2	12	10	N 8	NNE 5	T		10	10	Overcast	Overcast
5	1007.0		14	12	N 5		T		5		Snow	
6	1015.2	1018.0	12	07	E 10	SE 12	.04	.02	2½	4	Snow	Snow
7	1017.2	1016.9	18	10	NNE 8	NNE 4			12	10	Overcast	Overcast
8	1014.9	1019.3	22	7	S 6	N 12	.01	.01	12	10	Overcast	Overcast
9	1016.8	1008.6	7	4	E 24	E 24		.03	12	5	Overcast	Drft.Sn.
10	1003.9		21	14	SE 6		.06		10		Overcast	
11	1007.6	1008.1	20	4	Calm	N 4	.01	.01	3	10	Snow	Snow
12	1007.6	1010.2	12	8	N 5	NNE 6	.01		3	12	Snow	Cldless
13	1015.7	1019.6	9	-2	E 5	NNE 6			12	12	Cldless	Cldless
14	1020.3	1022.1	16	6	E 6	S 6			12	10	Overcast	Overcast
15	1022.6	1019.6	23	20	S 20	SW 27			12	3	Overcast	Drft.Sn.
16	1026.5	1028.8	28	2	NNW 9	N 4			12	12	Cldless	Part Cldy
17	1020.0	1018.0	24	6	SW 25	SW 18	T	.01	6	8	Ice Ndls.	Overcast
18	1016.3	1013.9	29	27	SSW 27	S 18	T		9	10	Overcast	Overcast
19	1007.2	1006.1	28	27	E 8	S 27	.03	.33	6	8	Rain	Rain
20	1012.3	1016.1	34	32	S 20	E 12	.05		6	10	Rain	Overcast
21	1014.7	1015.0	33	27	NNE 10	S 20		.T	12	10	Overcast	Overcast
22	1015.9	1020.6	30	25	S 7	SSW 12	.10		4	3	Snow	Dst.Fog
23	1024.9	1021.8	30	25	SW 30	W 4	T	.02	3	8	Drft.Snw	Overcast
24	1010.7	1008.1	24	22	NNE 16	N 18	.01	T	10	12	Overcast	Part Cldy
25	1014.1	1019.0	20	12	NNW 15	NNW 6	.02	.12	12	½	Snow	Snow
26	1020.2	1016.1	11	3	NNW 6	NNE 7		.01	12	8	Overcast	Overcast
27		989.5		11		N 18	.01	.02		12		Cloudy
28	988.0	992.8	13	9	W 24	W 21	.02	.01	4	3	Drft Snw.	Drft.Snw.
29	999.6	1000.5	11	4	W 24	W 12		.01	2	10	Drft Snw.	Overcast
30	1005.2		4	-1	WSW 12		.01		5		Snow	

CHURCHILL METEOROLOGICAL REPORT - 1952

Date	Barometer		Temp.		Wind		Precip.		Vis.		Weather	
	Mbs.	Mbs.	Max.	Min.								
1952	0730	1930	F°	F°	0730 am	1930 pm	am	pm	am	pm	a.m.	p.m.
July												
1	1002.3	1006.2	50.6	36.3	N 8	E 25	.24	.04	12	1	Cloudy	Drizzle
2	1012.3	1012.2	46.4	35.9	E 26	ESE 28	.03	T	2½	12	DR, rain	Overcast
3	1006.6	1004.7	44.0	36.4	SE 12	N 4	.06	T	8	12	Rain	Cloudy
4	1005.7	1007.3	71.0	39.0	SE 5	W 6	T	T	12	12	Fog	Overcast
5	1005.4	1005.4	65.8	37.4	SSW 15	NE 18	.04	.20	12	12	Cloudy	Rain
6	1000.7	1002.9	45.6	33.3	NE 30	N 30	.10	.02	2	1½	Drizzle	Drizzle
7	1011.9	1014.3	64.0	34.6	WNW 25	NW 2	T	T	12	12	Overcast	Part Cldy
8	1010.3	1010.6	64.5	44.2	SSW 6	ENE 4		.11	12	12	Overcast	Cloudy
9	1011.1	1012.5	63.5	40.9	S 7	NNE 14		T	12	10	Cloudy	Rain Shw.
10	1016.0	1017.5	51.5	36.4	N 9	NE 3	T		1	12	Mist	Part Cldy
11	1016.6	1016.6	59.1	37.9	N 2	NW 7			12	12	Cldless	Cldless
12	1017.1	1017.2	63.4	41.0	WNW 7	N 3			12	12	Cloudy	Overcast
13	1018.9	1018.1	62.0	44.9	NW 7	W 5			12	12	Cloudy	Virga
14	1015.4	1010.1	68.6	51.8	W 8	SE 18			12	12	Virga	Overcast
15	1004.3	999.3	78.8	54.5	SW 12	SW 25			12	12	Virga	Overcast
16	1003.1	1003.4	64.0	41.9	E 22	ENE 20			12	12	Cloudy	Overcast
17	1004.8	1011.0	40.0	36.6	ENE 20	NE 12	.02	.02	7	¾	Rain	Drizzle
18	1017.0	1019.7	48.6	36.3	E 25	NE 10	T		10	12	Overcast	Part Cldy
19	1020.7	1020.3	58.0	40.0	N 3	ENE 20			12	12	Cldless	Part Cldy
20	1019.7	1015.5	64.8	37.2	SE 10	ESE 24			12	12	Cldless	Cloudy
21	1012.1	1009.7	65.8	41.2	SE 18	ENE 14			12	12	Part Cldy	Overcast
22	1009.2	1006.9	68.0	41.0	SE 3	SE 12			12	12	Overcast	Cldless
23	1005.1	1009.1	59.2	49.6	NW 13	ENE 8	T		12	12	Cloudy	Cldless
24	1004.5	997.6	84.2	46.3	S 25	N 8		.15	12	10	Part Cldy	Thunder
25	993.8	1006.3	54.8	46.0	NNW 8	NNE 10	.18		12	12	Overcast	Cldless
26	1005.8	1008.1	60.7	42.4	SW 20	NW 3	T		12	12	Part Cldy	Dis.Prcp.
27	1008.9	1010.8	50.6	42.0	N 15	N 20	.07		6	12	Rain	Overcast
28	1010.9	1005.3	53.1	41.0	W 20	E 8	T	.13	12	12	Overcast	Overcast
29	1001.8	1004.7	50.1	42.3	N 11	NNW 6	.04	.02	12	12	Cloudy	Overcast
30	1005.0	1000.2	58.3	44.3	NW 10	NW 23	.04	T	12	12	Rain	Dis.Prcp.
31	999.0	1005.9	50.4	44.6	NW 25	NNW 25	T		12	12	Part Cldy	Overcast
Aug.												
1	1012.9	1016.4	52.7	39.0	NW 25	NNW 15			12	12	Part Cldy	Overcast
2	1017.5	1018.1	55.3	46.8	NW 24	Calm			12	12	Cloudy	Cloudy
3	1017.2	1009.2	68.3	45.4	WNW 10	SE 20		T	12	12	Cloudy	Cloudy
4	1002.5	1004.5	56.3	43.0	SW 10	NW 26	.07	.08	12	10	Rain	Overcast
5	1010.4	1008.4	62.2	39.0	WNW 17	ENE 8			12	12	Overcast	Overcast
6	1008.6	1003.1	67.8	45.6	NNW 7	SE 8		.31	12	5	Cldless	Rain
7	1001.6	999.3	57.3	46.0	NW 24	SW 8	.10	.02	12	12	Overcast	Cloudy
8	998.8	998.8	49.3	43.1	NNW 25	WNW 38	.01	.42	12	16	Overcast	Rain
9	1001.2	1003.5	56.0	45.0	NW 25	NW 6	.08	.03	4	12	Rain	Rain
10	1004.0	1005.4	51.3	43.4	NW 24	WNW 4	.02		3	12	Rain	Overcast
11	1003.6	1006.8	49.3	41.8	NNW 7	N 4	T		12	12	Overcast	Part Cldy
12	1006.3	1006.9	54.3	42.3	NW 18	WNW 5			12	12	Overcast	Overcast
13	1004.7	1002.1	66.6	46.0	WSW 12	NNW 2	T		12	12	Cloudy	Cloudy
14	1000.3	997.5	56.9	44.4	SE 12	ENE 24	T	.69	12	3	Rain	Rain
15	1001.6	1002.9	56.1	40.8	NW 22	WNW 11	.08	T	12	12	Overcast	Rain Shw.
16	1002.0	1005.3	56.3	47.1	W 20	NW 3		T	12	12	Overcast	Overcast
17	1007.5	1011.3	53.9	45.7	WNW 18	SW 4		T	12	12	Part Cldy	Overcast
18	1013.1	1014.3	59.0	44.0	WNW 8	E 5			12	12	Cldless	Cldless
19	1011.9	1006.0	53.0	42.2	SSE 16	E 26		.62	12	8	Overcast	Rain
20	1007.9	1017.7	53.8	42.0	NNE 26	NW 14	.21		8	12	Rain	Overcast
21	1020.4	1018.3	68.0	46.1	W 10	SW 16			12	12	Cldless	Cloudy
22	1016.1	1014.8	75.1	53.3	SSW 21	SW 9	T	.06	12	12	Overcast	Rain Shw.

Date	Barometer		Temp.		Wind		Precip.		Vis.		Weather	
	Mbs.	Mbs.	Max.	Min.								
1952	0730	1930	Fo	Fo	0730 am	1930 pm	am	pm	am	pm	a.m.	p.m.
Aug.												
23	1014.4	1005.6	73.1	49.1	ESE 9	SE 25			10	12	Overcast	Overcast
24	1000.7	1004.4	76.8	58.0	WNW 17	WNW 7			12	12	Cldless	Part Cldy
25	1011.1	1020.3	55.0	45.2	WNW 21	NE 12			12	12	Cldless	Cloudy
26	1015.5	1012.7	43.3	38.8	ENE 22	NE 22	.67	.20	3	1	Rain	Drizzle
27	1019.7	1015.7	48.8	40.0	N 14	ESE 15		T	12	12	Overcast	Dis.Prcp.
28	1018.9	1015.7	53.7	38.2	SSE 10	SSE 27		T	12	12	Cloudy	Overcast
29	1011.4	1004.9	66.4	47.2	S 18	SW 25	.02	.40	12	10	Rain	Overcast
30	1010.7	1014.2	52.6	43.0	NNW 15	ENE 7	T		12	12	Part Cldy	Cldless
31	1014.3	1013.6	58.0	38.3	Calm	S 9			12	12	Cldless	Part Cldy
Sep												
1	1012.4	1011.2	50.8	42.0	SSW 10	N 9			12	12	Overcast	Overcast
2	1006.2	1011.3	68.0	37.0	SSW 13	WNW 12		.01	12	12	Cldless	Virga
3	1000.2	1011.5	46.8	41.0	N 25	N 14	.06	.01	2	12	Rain	Cloudy
4	1019.5	1023.8	41.1	35.3	NW 27	NNW 9	T		12	12	Cldless	Cloudy
5	1026.1	1026.3	49.8	33.8	NW 15	SSW 4			12	12	Cldless	Overcast
6	1025.5	1022.3	56.0	42.0	NNW 6	SE 11			12	12	Overcast	Overcast
7	1015.0	1004.0	58.2	39.2	S 16	SE 9		.08	12	12	Overcast	Rain
8	995.1	1004.3	55.0	43.3	SE 6	WNW 17	.15	.22	3	10	Drizzle	Drizzle
9	1013.8	1022.4	44.4	41.4	NW 26	NW 10	.02		2	12	Drizzle	Virga
10	1024.5	1024.6	49.8	39.4	W 6	SE 16			12	12	Overcast	Part Cldy
11	1025.9	1019.9	47.6	34.2	SSE 23	SE 25		.03	12	5	Cloudy	Rain
12	1018.8	1016.7	45.4	40.0	ESE 13	ESE 27		T	3	3	Dist.Fog	Drizzle
13	1011.6	1000.6	58.0	42.0	ESE 30	SE 25	.01	.02	2	5	Drizzle	Rain
14	999.2	1002.2	48.3	43.0	WNW 16	NW 16	T	.12	12	12	Overcast	Cloudy
15	1007.5	1009.6	51.2	38.8	WNW 17	SE 10			12	12	Part Cldy	Cloudy
16	1008.7	1008.1	60.4	35.6	SSE 12	ESE 17			12	12	Cldless	Part Cldy
17	1005.0	1004.4	41.0	37.3	N 17	N 25	.30	.02	12	2	Overcast	Drizzle
18	1009.6	1012.8	42.0	37.8	NNE 14	N 13	.01	T	12	10	Overcast	Overcast
19	1013.0	1015.3	42.1	38.0	NNE 16	NNW 10	T	.23	3	5	Shhlw fog	Rain
20	1017.1	1020.5	42.1	38.7	N 15	NW 2	.03	T	8	12	Overcast	Overcast
21	1020.5	1021.7	41.0	36.0	NW 17	NNW 22	T		12	12	Cloudy	Overcast
22	1020.7	1015.5	44.8	32.0	W 13	ENE 9	T	.13	12	10	Part Cldy	Rain
23	1019.7	1020.6	34.1	32.0	NNW 18	N 10			12	12	Overcast	Overcast
24	1020.3	1019.3	34.5	30.2	N 14	NNE 6		.06	12	2½	Overcast	Snow Shw.
25	1019.1	1023.9	34.8	29.0	NNE 25	W 5	.05		12	12	Snow Shw.	Overcast
26	1013.4	1005.5	36.1	38.0	S 23	NNW 3	.02	.01	12	10	Overcast	Drizzle
27	1007.6	1011.6	34.0	29.0	N 19	N 10			12	12	Overcast	Overcast
28	1015.2	1012.3	35.6	23.4	WSW 5	S 15			12	12	Cldless	Overcast
29	1008.0	1010.2	43.0	31.8	SSW 9	E 13	.11	.01	12	10	Cloudy	Drizzle
30	1001.2	1000.4	40.1	36.0	ENE 20	NE 40	.50	.01	6	2	Rain	Dist.Fog
Oct.												
1	1011.4	1018.3	31.6	26.6	N 45	NNW 30	T	T	12	12	Overcast	Overcast
2	1018.2	1007.7	36.2	25.5	NW 15	SE 30	T	T	12	12	Overcast	Overcast
3	985.7	992.7	40.8	30.0	SSE 45	SW 35	.38	T	10	12	Rain	Overcast
4	1001.6	1014.1	36.0	28.0	ESE 6	NE 30	.06	T	12	10	Overcast	Overcast
5	1015.4	1019.9	36.2	32.3	NNE 40	N 45	.07	T	12	10	Snow	Overcast
6	1023.5	1017.2	32.2	23.6	NNW 23	SSE 18	.03		8	12	Snow	Overcast
7	999.6	1009.3	34.9	26.0	SSW 5	N 30	T	.03	12	12	Overcast	Rain
8	1021.9	1026.8	31.8	29.5	N 25	Calm	T		12	12	Snow	Overcast
9	1025.4	1020.7	36.3	28.4	S 9	SSE 17			12	12	Overcast	Part Cldy
10	1007.2	1012.8	32.2	28.0	E 30	N 14	.50	.03	¾	12	Overcast	Part Cldy
11	1011.2	1010.2	35.3	28.0	W 9	W 5	T	.02	12	12	Overcast	Overcast
12	1010.0	1013.1	35.0	30.8	WNW 4	E 10	T	.04	12	3	Overcast	Snw.Shws.

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Date	Barometer		Temp.		Wind		Precip.		Vis.		Weather	
	Mbs.	Mbs.	Max.	Min.								
1952	0730	1930	°F	°F	0730 am	1930 pm	am	pm	am	pm	a.m.	p.m.
Oct.												
13	1015.7	1017.2	34.2	26.6	NE 2	W 3	T	.04	12	12	Snow	Overcast
14	1015.7	1017.1	22.0	17.1	NNE 30	NNW 26	.10	.04	1	½	Snow	Snow
15	1016.6	1015.1	20.8	16.1	NW 20	W 15	.03	T	12	12	Snow	Snw.Shws.
16	1016.6	1010.8	24.6	12.3	NW 25	SW 25	.02	.03	12	2	Cloudy	Snow
17	1012.9	1014.5	23.0	13.3	NNW 40	Calm	.05	T	5	12	Bl'g snw	Overcast
18	1013.3	1023.5	26.2	16.7	W 6	N 28	.68	T	1½	12	Snow	Dftg snw.
19	1033.7	1029.2	28.0	12.2	NNW 20	S 24	.06	.02	12	12	Dftg snw.	Overcast
20	1010.1	1011.1	33.1	18.1	SW 25	NNW 22		T	12	12	Dftg snw.	Overcast
21	1008.4	1002.7	32.3	26.0	SE 6	SSE 23	T	T	12	12	Part Cldy	Overcast
22	1005.3	1007.0	36.2	27.4	NNW 6	SE 12	T		1	12	Drizzle	Cldless
23	1007.4	1017.9	30.6	25.0	N 20	NNW 20	T	T	1	3	Freezing Drizzle	Mist
24												
24	1021.7	1023.9	29.1	20.1	WNW 4	N 3	T	.02	6	12	Ice Ndls	Snow
25	1012.8	998.5	34.8	23.7	S 25	S 5			12	12	Cloudy	Overcast
26	991.6	993.8	32.0	23.1	WNW 35	NNE 48	.11	.22	¾	0	Snow	Snow
27	1012.9	1027.0	28.7	7.2	N 40	NNW 25	.16	.10	½	½	Bl'g snw	Snow
28	1022.9	1002.4	31.9	- 2.7	SW 9	SSW 10	T	T	12	12	Cldless	Overcast
29	998.9	1004.3	26.2	12.4	NW 42	NNW 30	.03	.02	12	10	Overcast	Overcast
30	1007.4	1007.6	15.8	5.2	NNW 22	WSW 15	.01	.05	8	4	Snow	Snow
31	1004.8	1005.9	22.9	7.9	E 14	E 28	.10	.04	4	12	Snow	Drift'g
Nov.												
1	1007.1	1013.3	22.9	19.1	NE 21	NNE 25		.02	1	8	Snow	Snow
2	1008.3	1019.3	15.2	6.0	NW 20	W 12	T	.01	10	1½	Snow	Snow
3	1010.7	1008.3	24.3	9.1	SE 10	E 15	.01	.02	12	5	Snow	Snow
4	1005.1	1003.1	27.0	21.5	SE 12	SE 12	.01	.03	12	8	Overcast	Snow
5	1011.8	1018.2	23.0	12.5	NNE 30	NW 12	.05	T	1	12	Snow	Overcast
6	1015.1	1019.1	20.4	3.4	NW 25	WNW 22	.02	.02	3	3	Bl'g snw	Bl'g snw.
7	1021.0	1021.4	16.0	2.9	W 10	SSW 9	.13	T	12	12	Snow	Part Cldy
8	1017.8	1023.9	12.0	2.2	S 12	NNW 32	.12	.04	1	1	Snow	Bl'g snw.
9	1025.2	1010.3	16.8	-13.9	W 10	S 30		T	12	3	Part Cldy	Snow
10	996.3	1006.0	26.2	3.0	W 2	NNE 30	.02	T	5	12	Snow	Part.Cldy.
11	1017.1	1017.2	13.5	- 7.7	WNW 26	SW 6	.12		3/8	12	Snow	Part.Cldy
12	1008.1	1001.9	25.9	- 8.3	S 16	SSE 17	.03	T	12	10	Gr.snow	Gr.snow
13	999.9	1007.2	30.3	22.9	S 5	NNW 6	T	T	12	12	Overcast	Overcast
14	1012.2	1013.7	29.2	24.9	SW 12	S 18	T	T	12	½	Overcast	Fog
15	1018.9	1024.5	29.6	16.9	SW 7	SSE 7	T	.01	12	5	Overcast	Fog
16	1022.0	1019.1	28.8	17.9	SSW 12	SSW 16			2	12	Snow	Overcast
17	1016.0	1013.1	30.4	25.7	S 20	WSW 16			12	12	Overcast	Overcast
18	1010.0	1009.9	30.0	22.7	N 8	N 40	.28	.24	2	¼	Snow	Snow
19	1007.2	1004.4	12.0	5.1	NNW 35	NW 30	.03	T	¾	1	Snow	Bl'g snw.
20	1003.9	1007.5	1.4	- 9.7	WSW 10	WSW 10	T		12	12	Cldless	Cldless
21	1011.3	1016.9	7.0	- 8.5	WNW 10	WNW 16	T	T	12	12	Overcast	Cloudy
22	1021.5	1025.3	4.8	-10.1	WSW 15	SW 10			12	12	Cldless	Cldless
23	1025.4	1022.7	2.1	-10.2	WSW 13	WSW 8		T	12	12	Cldless	Cldless
24	1021.4	1022.9	5.9	- 6.6	W 3	NW 10	T	T	10	12	Ice Ndls.	Ice Ndls.
25	1024.6	1028.1	5.0	- 1.0	NW 13	NW 23	T	T	12	4	Ice Ndls.	Snow
26	1028.2	1025.4	-6.3	-12.5	NNW 24	NNW 18	T	T	12	2¼	Overcast	Mist
27	1019.2	1012.5	-4.4	-11.7	WNW 23	WNW 11		T	12	12	Cldless	Cloudy
28	1008.1	1012.3	-9.2	-11.9	NNW 16	NNW 17	T	T	10	10	Snow	Cloudy
29	1015.5	1015.1	1.8	-15.8	WNW 15	WSW 16	T	.02	12	2	Cldless	Snow
30	1016.0	1016.7	2.4	-13.4	NW 16	Calm			12	12	Part.Cldy	Overcast

Date	Barometer		Temp.		Wind		Precip.		Vis.		Weather	
	Mbs.	Mbs.	Max.	Min.								
1952	0730	1930	F°	F°	0730 am	1930 pm	am	pm	am	pm	a.m.	p.m.
July												
1	1013.5	1013.7	51.3	34.4	N 08	S 08			12	12	Cloudless	Cloudless
2	1016.0	1016.7	58.2	42.6	NNW 16	SW 12			12	12	Cloudless	Cloudless
3	1014.2	1009.9	41.4	34.3	S 06	S 08		T	12	12	Cloudy	Overcast
4	1007.0	1007.4	42.3	34.9	E 10	E 10	.02	.16	10	2	Rain	Rain
5	1007.2	1010.2	44.8	36.6	E 10	E 05	.10		1/4	8	Drizzle	Dist. Fog
6	1010.8	1007.2	49.4	38.6	E 7	NE 08			12	12	Overcast	Overcast
7	1004.9	1006.1	55.4	43.6	N 10	N 26			12	12	Cloudless	Part. Cl.
8	1006.2	1007.2	55.5	40.8	N 18	SW 18		.08	12	8	Part. Cl.	Dist. Pre.
9	1009.4	1011.5	57.0	38.0	W 03	NW 12			12	12	Cloudy	Dist. Pre.
10	1013.5	1016.0	55.0	39.9	NW 06	S 12		.04	12	12	Cloudless	Rn. Shower
11	1018.4	1014.6	45.2	36.4	S 02	E 28	T	.46	12	3	Overcast	Rain
12	1009.4	1012.6	46.4	39.6	E 26	E 20	.30	.10	5	5	Rain	Rain
13	1013.9	1012.2	62.2	38.6	N 14	SE 16	.09	T	10	10	Rain	Rn. Shower
14	1011.4	1007.1	65.0	42.0	NW 10	S 03			12	12	Part. Cl.	Cloudy
15	1005.2	1007.8	55.4	41.8	Calm	S 05			12	12	Overcast	Cloudless
16	1012.8	1015.7	53.2	39.4	N 02	S 08			12	12	Cloudless	Cloudless
17	1016.7	1014.7	65.2	36.1	Calm	SW 06			4	12	Fog Pches	Part. Cl.
18	1018.7	1018.1	71.1	45.2	NW 03	Calm			12	12	Part.Cl.	Dist. Pre.
19	1017.2	1016.5	66.2	45.0	N 12	W 10			12	12	Overcast	Cloudy
20	1015.8	1012.9	68.9	45.6	WNW 12	NW 10		.01	12	10	Dist.Pre.	Showers
21	1009.5	1005.6	74.1	43.4	W 16	W 24			12	12	Cloudless	Part. Cl.
22	1005.7	1005.9	46.4	41.0	E 12	S 08		.06	12	12	Overcast	Overcast
23	1004.0	1003.4	61.1	40.5	SSE 07	NNW 17	.06		12	12	Overcast	Part. Cl.
24	1000.2	998.7	56.4	41.8	SW 12	SW 20	.11	T	12	10	Overcast	Rain
25	994.0	998.3	51.9	36.6	Calm	NW 24	T		0	12	Fog	Cloudless
26	996.4	994.0	50.2	38.0	S 16	W 30	T	.13	12	10	Overcast	Showers
27	997.3	1000.1	52.0	39.0	NW 24	NW 20	.03	T	12	12	Part. Cl.	Part. Cl.
28	1001.3	1000.7	48.4	38.9	N 16	Calm			12	12	Overcast	Cloudy
29	998.0	997.4	51.6	39.9	NNW 08	E 20	.04	.07	5	5	Rain	Showers
30	994.5	987.6	45.0	38.0	N 22	N 14	.20	.11	10	8	Overcast	Drizzle
31	994.5	1007.0	45.5	35.9	E 26	NE 18	.08	T	5	12	Drizzle	Overcast
Aug.												
1	1009.5	1011.6	57.2	42.4	NNE 18	NE 15			12	12	Cloudy	Overcast
2	1012.9	1014.3	55.8	42.5	N 12	Calm			12	12	Overcast	Cloudy
3	1013.5	1009.9	52.4	40.8	S 10	W 10			12	12	Overcast	Cloudy
4	1007.5	1008.1	50.0	39.6	S 10	S 10			12	12	Overcast	Overcast
5	1007.1	1006.8	49.7	40.8	N 10	E 2	.05	.05	12	10	Overcast	Overcast
6	1005.5	1003.1	53.2	40.9	N 10	S 12			12	12	Cloudless	Cloudy
7	998.6	1000.0	43.0	39.0	S 18	E 30	.25	.80	8	4	Rain	Rain
8	998.3	997.8	45.0	38.9	E 26	E 20	.53	.13	2	1	Rain	Drizzle
9	996.7	997.8	44.9	37.9	E 14	E 8	.16	T	2	2	Rain	Drizzle
10	997.7	1000.3	50.0	39.3	N 10	SE 10	.06	.01	12	12	Overcast	Overcast
11	1003.4	1003.7	48.8	40.2	Calm	Calm			1	12	Fog	Part. Cl.
12	1001.3	998.6	55.6	40.8	N 9	N 18			12	12	Overcast	Part. Cl.
13	998.2	996.5	58.1	40.9	N 12	N 12			12	12	Cloudy	Overcast
14	998.7	999.3	51.9	43.8	N 16	N 16			12	12	Overcast	Overcast
15	997.7	995.9	52.6	42.9	N 10	S 5			12	12	Overcast	Cloudless
16	995.5	999.2	47.9	41.6	N 7	E 7			12	10	Overcast	Cloudy
17	1002.2	1004.0	57.5	41.3	N 13	N 8			12	12	Cloudy	Overcast
18	1007.2	1009.0	54.6	44.6	N 10	N 12			12	12	Part. Cl.	Overcast
19	1010.5	1010.0	51.4	43.0	NW 3	S 11			12	10	Overcast	Dist. Pre.
20	1012.1	1013.2	49.7	42.2	E 6	SW 18			12	12	Overcast	Cloudless
21	1013.8	1010.7	67.2	42.9	N 12	W 24			12	12	Cloudless	Overcast
22	1012.0	1015.9	48.4	42.2	N 16	S 5	.24		12	12	Overcast	Part. Cl.
23	1019.8	1013.9	48.0	36.8	Calm	S 20		.28	12	12	Cloudless	Overcast
24	998.7	999.0	54.2	40.1	S 21	N 16	T		8	12	Rain	Part. Cl.
25	1003.2	1013.6	48.2	35.1	N 32	N 18			12	12	Overcast	Cloudless
26	1017.3	1015.8	45.9	36.0	N 20	S 5			12	12	Cloudy	Cloudy

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Date	Barometer		Temp.		Wind			Precip.		Vis.		Weather	
	Mbs.	Mbs.	Max.	Min.									
1952	0730	1930	F°	F°	0730am	1930pm		am	pm	am	pm	a.m.	p.m.
Aug.													
27	1017.4	1017.8	53.8	34.9	Calm	S	12			12	12	Cloudless	Part. Cl.
28	1017.0	1017.5	53.4	36.1	Calm	W	12		.05	12	12	Part. Cl.	Cloudless
29	1015.2	998.7	58.2	38.7	S 16	W	20	.03	.18	12	3	Overcast	Rain
30	1002.0	1008.8	48.4	36.9	N 22	N	12	T		12	12	Overcast	Cloudless
31	1011.5	1011.9	44.2	30.0	N 15	N	20			12	12	Cloudless	Part. Cl.
Sept.													
1	1010.7	1006.1	48.4	33.0	W 12	W	10		T	12	12	Overcast	Cloudy
2	1003.7	1001.9	48.0	37.8	Calm	W	12	.10		0	12	Fog	Cloudy
3	1000.3	1003.1	42.2	35.5	N 18	N	28	.21	T	6	12	Rain	Overcast
4	1008.8	1014.9	39.9	32.9	N 30	N	30			12	12	Overcast	Overcast
5	1018.4	1017.9	40.4	28.9	N 24	N	10			12	12	Cloudless	Overcast
6	1022.3	1018.5	54.7	27.1	W 14	W	12			12	12	Cloudless	Cloudless
7	1014.8	1007.9	43.9	36.8	E 9	S	10			12	12	Cloudy	Overcast
8	1002.5	1002.7	41.0	37.9	S 14	E	10		T	12	1/8	Overcast	Fog
9	1008.3	1013.7	42.5	37.7	N 11	N	20	.01	.15	1/2	12	Drizzle	Overcast
10	1017.6	1019.9	46.1	30.4	W 6	N	16		T	12	8	Overcast	Dist. Pre.
11	1023.5	1020.6	46.2	36.9	S 4	W	14	T	.08	12	12	Overcast	Overcast
12	1024.5	1026.9	41.4	36.8	S 7	S	15			12	12	Overcast	Overcast
13	1026.1	1015.8	40.4	34.7	S 21	S	39	.12	.87	12	8	Overcast	Overcast
14	998.8	995.0	45.8	37.8	S 30	S	7	.33	.03	5	4	Rain	Rain
15	999.1	1005.4	46.4	33.5	W 15	NW	12			12	12	Cloudless	Cloudless
16	1010.4	1014.6	43.4	34.3	S 4	E	7			12	12	Cloudy	Overcast
17	1010.5	1010.7	40.4	36.8	E 19	E	17	T		10	12	Rain	Overcast
18	1011.4	1011.1	42.8	36.8	E 13	E	11			12	8	Overcast	Overcast
19	1011.9	1015.1	41.4	32.8	E 12	E	6	.08		12	12	Rain	Overcast
20	1016.1	1016.7	40.6	36.0	E 11	N	16	T		12	12	Overcast	Overcast
21	1016.3	1015.6	40.4	30.9	N 12	N	16	.03		10	12	Snow	Overcast
22	1012.9	1010.8	39.5	34.0	N 18	N	14	T	T	8	8	Rain	Dist. Pre.
23	1014.2	1016.4	31.6	27.1	N 10	NE	10			12	12	Overcast	Overcast
24	1016.6	1015.3	34.2	26.9	N 9	N	12		T	12	1½	Overcast	Snow
25	1016.5	1014.7	37.4	24.1	N 17	N	19			12	12	Overcast	Overcast
26	1008.1	1002.4	34.3	27.7	W 16	N	19		T	12	3	Overcast	Snow
27	1002.2	1003.1	30.8	20.8	N 20	N	17		.06	12	12	Overcast	Cloudless
28	1006.5	1008.5	26.8	20.4	N 22	N	13			12	12	Cloudy	Overcast
29	1008.2	1011.3	27.3	19.7	N 12	N	20		T	12	12	Overcast	Cloudy
30	1011.4	1011.2	27.3	21.9	NW 6	N	13	.05		12	12	Overcast	Part. Cl.
Oct.													
1	1010.5		27	21	N 20			T		12		Overcast	
2	1011.6	1008.7	34	20	N 22	W	23	T		24	12	Overcast	Overcast
3	1004.2	1002.6	31	24	S 30	S	45		.61	12	1	Overcast	Snow
4	1016.8	1025.7	36	32	S 30	E	28	T		8	12	Overcast	Overcast
5		1023.8		27		E	23				12		Overcast
6	1020.6		31	16	E 18					12		Overcast	
7	1009.5	1016.4	25		S 15	E	12			12	12	Overcast	Overcast
8	1031.2		28	16	N 17			T		12		Overcast	
9	1024.2	1020.9	17	8	E 9	S	9			12	12	Cloudless	Overcast
10		1011.9		20		SW	13	.02	.04		4		Snow
11	1007.9	1008.8	32	27	S 12	S	10		T	12	10	Overcast	Snow
12	1010.7	1015.4	33	22	NNE 10	NNE	10	.02		7	12	Snow	Cloudless
13	1015.9		20	18	N 6			T		12		Overcast	
14	1010.5	1012.8	25	10	N 24	N	22			12	12	Part. Cl.	Cloudy
15	1011.9		15	9	N 20				T	12		Overcast	
16	1009.3	1009.3	13	5	N 15	E	12	T		12	12	Overcast	Part. Cl.
17	1014.0		13	00	N 14					12		Cloudless	
18	1017.6	1024.1	12	00	E 10	N	17			12	12	Cloudless	Overcast
19	1029.3	1023.7	14		N 13	S	10		.02	10	12	Cloudy	Overcast
20	1003.6	1009.8	25	2	S 7	E	32	.21		2½	12	Snow	Overcast
21	1011.7	1008.9	30	26	SE 24	S	28		.01	12	10	Overcast	Freezing Drizzle

Date	Barometer		Temp.		Wind			Precip.		Vis.		Weather	
	Mbs.	Mbs.	Max.	Min.									
1952	0730	1930	F°	F°	0730 am		1930 pm	am	pm	am	pm	a.m.	p.m.
Oct.													
22	1009.8	1010.8	30	26	S	35	S 25	.06	.04	2½	3	Snow	Snow
23	1011.1	1016.1	31	28	S	18	S 6	.03	T	9	10	Snow	Dist. Fog
24	1015.3	1019.7	31	17	NNE	16	N 23	.02		9	2½	Snow	Snow
25	1016.4	1010.8	6	-1	NNE	18	E 16			10	12	Overcast	Overcast
26	1000.5	1011.6	20	6	ESE	29	E 36	T	T	12	12	Overcast	Overcast
27		1022.2			N	21					12		Cloudless
28	1017.9		20	12	N	13		.01	.10	2½		Overcast	
29	992.5	1001.6	23	-6	E	40	E 20	.03	T	½	10	Snow	Overcast
30	1004.8	1004.4	29	00	NNE	13	N 18		T	12	12	Overcast	Cloudy
31	1006.9	1009.3	-7	-14	N	16	N 12		T	8	12	Cloudless	Snow
Nov.													
1	1009.7	1010.9	-3	-10	N	28	N 22			3/4	8	Dust Strm	Overcast
2	1010.8	1010.4	-2		N	22	N 23	T	T	10	5	Snow	Snow
3	1008.4		1	-9	N	17				12		Part Cldy	
4	1007.9	1010.2	-7	-10	N	12	NNE 12			12	12	Cloudy	Cloudless
5	1014.6	1016.1	5	-8	N	13	NNW 6			12	12	Overcast	Overcast
6	1018.3	1011.0	4	-2	NNE	10	NNE 12		T	10	12	Cloudless	Overcast
7		1023.0		-5			NNW 12		T		4		Snow
8	1021.0	1021.5	-4	-8	N	22	NNW 12	.01		10	12	Overcast	Cloudless
9	1020.7	1015.0	-4	-17	N	8	N 8			12	6	Cloudless	Part Cldy
10	1010.8		-4	-18	E	9				8		Overcast	
11	1015.7	1015.1	00	-22	N	9	N 12			12	12	Cloudless	Cloudless
12	1012.7	1010.1	-18	-21	N	2	S 9		T	12	10	Cloudless	Snow
13	1005.8	1005.5	11	-6	SE	29	S 18	.03	.01	1½	21/4	Snow	Snow
14	1009.6	1009.2	27	19	S	8	SW 27	.02	T	3	6	Snow	Dust Strm
15	1013.1	1026.8	28	00	NNW	18	N 18			6	12	Dust Strm	Cloudless
16	1026.4	1014.4	-4	-7	E	12	SW 20	.01	.01	10	8	Overcast	Snow
17		1007.2		19	W	14	SW 16	.02	T		8		Snow
18	1009.2	1013.0	28		NNW	10	N 16			10	12	Overcast	Overcast
19	1009.2	1004.1	30	-4	NNE	22	NNE 27			8	2½	Dust Strm	Dust Strm
20	996.9	1003.7	13	2	E	28	S 12	.06	.01	3/4	10	Snow	Dust Strm
21	1009.9	1012.7	29	11	SW	21	SW 12	.01	T	6	8	Dust Strm	Snow
22	1012.1	1016.8	9	-8	Calm		W 12		T	12	12	Cloudless	Part Cldy
23	1019.2	1020.5	3	-12	SW	14	N 8	T		12	12	Cloudless	Cloudless
24	1019.2	1019.9	-11	-19	N	12	N 8			12	12	Cloudless	Cloudless
25	1020.7	1022.1	-7	-20	N	18	N 10	.01	T	8	12	Snow	Overcast
26	1023.0	1020.9	-2	-23	NNW	27	N 16			9	12	Dust Strm	Cloudless
27	1013.3	1006.6	-12	-27	N	22	N 18		T	12	8	Cloudless	Snow
28	1001.8	1003.1	-18	-25	NNW	24	NNW 28			10	2	Cloudless	Overcast
29	1005.4	1006.0	-19	-25	NNW	27	NNW 18			2	12	Snow	Cloudless
30	1009.6		-19	-24	NNW	27				12		Overcast	

Date	Barometer		Temp.		Wind			Precip.		Vis.		Weather	
	Mbs.	Mbs.	Max.	Min.									
1952	0730	1930	Fº	Fº	0730 am		1930 pm	am	pm	am	pm	a.m.	p.m.
July													
1	1008.3	1007.3	49.6	40.0	NE	11	NE 17	.13	.47	15	5	Overcast	Rain
2	1011.4	1017.6	57.8	40.1	NE	12	N 13			15	15	Cloudless	Cloudless
3	1017.0	1009.0	68.7	36.1	NE	10	Calm			15	15	Cloudless	Part Cldy
4	998.8	997.5	67.2	50.3	NE	20	NE 22			15	15	Cloudy	Overcast
5	1007.7	1012.4	64.3	48.8	NE	11	SW 8			15	15	Overcast	Overcast
6	1007.7	1003.4	55.6	45.1	SE	22	SE 14	.27	.30	2	3	Rain	Storm
7	995.2	1007.0	52.0	37.1	SE	10	NW 18	.47		5	8	Rain	Overcast
8	1014.5	1021.0	49.8	38.3	SW	13	SW 12			15	15	Overcast	Cloudless
9	1019.5	1014.9	59.8	38.7	SE	12	NE 4			15	15	Part Cldy	Overcast
10	1017.7	1021.1	59.4	44.0	NE	8	W 4			15	15	Overcast	Cloudless
11	1020.5	1014.4	62.1	46.7	SE	21	SE 12		.02	15	15	Overcast	Overcast
12	1016.6	1021.7	51.0	38.6	W	12	SW 12	.05		1	15	Fog	Cloudless
13	1018.4	1013.1	51.3	45.0	SE	24	S 5	.26	.02	10	15	Rain	Overcast
14	1010.9	1013.7	47.2	39.7	NW	14	SW 15			15	15	Overcast	Overcast
15	1013.0	1011.2	47.8	37.3	SW	7	SE 12		.44	1½	5	Fog	Rain
16	1012.0	1015.8	56.3	44.0	SE	5	SE 3	.39	.02	6	10	Rain	Rain
17	1013.5	1007.4	60.2	46.1	E	8	Calm			15	15	Part Cldy	Overcast
18	1011.1	1013.7	61.0	49.1	N	16	N 18			15	15	Cloudless	Cloudless
19	1013.3	1014.8	64.6	42.8	N	12	NW 18			15	12	Cloudless	Part Cldy
20	1015.8	1015.7	65.2	41.4	W		SW 8			15	15	Part Cldy	Cloudless
21	1013.9	1008.7	66.8	44.0	E	2	N 14			15	15	Cloudless	Cloudy
22	1004.6	1003.0	69.8	48.0	N	13	N 18			15	15	Overcast	Overcast
23	1002.0	1002.4	63.2	51.0	N	16	NW 19	.01		15	15	Overcast	Part Cldy
24	1004.7	1007.8	59.6	42.1	NW	14	NW 12			15	15	Overcast	Part Cldy
25	1005.6	992.5	57.8	29.9	SE	16	SE 24		.68	15	2	Cloudy	Rain
26	990.7	1008.8	61.0	43.4	NW	20	W 18			1	15	Fog	Part Cldy
27	1013.9	1008.0	55.1	41.0	SW	12	SE 8		.10	15	15	Overcast	Overcast
28	997.1	993.2	54.2	44.3	NE	13	W 24	.03	.27	15	8	Overcast	Rain
29	997.9	1003.4	49.3	39.8	W	15	SW 16	T		10	15	Cloudy	Overcast
30	995.5	1000.2	50.0	37.8	SE	17	NW 12	.18	.07	2	15	Rain	Overcast
31	1004.5	1000.5	48.2	39.1	SW	10	SE 20			15	8	Overcast	Rain
Aug.													
1	990.0	1001.5	47.2	40.2	S	17	SE 18		.07			Overcast	Overcast
2	1001.3	1004.4	52.8	43.0	NE	10	NW 18	.20				Rain	Cloudy
3	1003.4	1006.9	58.5	42.8	W	14	NW 22	.12				Rain	Part Cldy
4	1009.6	1013.4	56.0	43.9	W	8	SSW 10	T	T			Overcast	Drizzle
5	1012.4	1008.6	58.8	42.1	SE	17	Calm	T				Cloudless	Overcast
6	1005.5	1007.6	61.9	46.0	N	5	NW 12					Overcast	Overcast
7	1010.0	1009.2	56.8	43.1	SW	4	SE 10					Overcast	Cloudless
8	1000.9	1004.2	56.8	42.7	SE	34	SW 12	.04	.11			Overcast	Part Cldy
9	1000.6	1006.3	52.1	41.1	SE	20	SW 16					Overcast	Overcast
10	1006.4	1005.7	57.0	39.9	SE	10	SE 12					Overcast	Cloudy
11	997.5	990.8	59.8	45.0	NE	15	S 16	.31	.60			Cloudy	Fog
12	986.7	997.2	51.8	41.1	SE	20	SW 24		.02			Overcast	Fog
13	990.0	1002.0	46.3	40.4	SW	20	SW 18		.03			Overcast	Rain
14	1003.5	1003.0	50.3	42.8	SW	14	SW 12	.04				Overcast	Overcast
15	993.9	982.4	53.8	41.8	NE	9	SW 12	.02	.57			Overcast	Fog
16	995.0	1005.2	50.2	41.8	NW	20	SW 14	.02				Rain	Cloudy
17	1007.7	1009.0	52.3	41.0	SW	8	S 8					Overcast	Overcast
18	1009.1	1010.7	51.6	42.3	SW	6	W 10	.05				Overcast	Overcast
19	1011.9	1015.5	49.6	41.2	SW	9	WSW 5	.02				Fog	Overcast
20	1014.3	1005.9	51.0	39.6	SE	10	NE 16		.20			Overcast	Rain
21	1000.3	1013.7	51.4	47.1	NE	25	N 18	.09				Rain	Overcast
22	1020.7	1022.6	56.5	40.7	N	14	S 8					Cloudless	Cloudless
23	1019.3	1018.1	55.8	44.1	SW	8	N 12	.01				Showers	Overcast
24	1017.7	1010.3	55.2	47.1	SE	8	SE 18		.27			Cloudy	Overcast
25	1003.3	1006.6	51.2	46.6	NW	10	WNW 20	.13				Fog	Overcast
26	1015.8	1015.0	49.3	42.0	NW	18	W 6	.01				Overcast	Overcast

Date	Barometer		Temp.		Wind			Precip.		Vis.		Weather	
	Mbs.	Mbs.	Max.	Min.									
1952	0730	1930	F°	F°	0730 am	1930 pm		am	pm	am	pm	a.m.	p.m.
Aug.													
27	1009.1	1017.5	49.5	42.1	NE 12	NW 12		.04				Overcast	Part. Cldy
28	1019.0	1019.4	48.8	39.0	NE 5	N 14						Overcast	Cloudy
29	1024.6	1026.4	51.0	35.5	N 5	SW 10						Cloudless	Cloudless
30	1019.2	1010.1	54.0	40.9	SW 19	S 30		.03	.50			Overcast	Rain
31	1008.3	1010.2	51.1	41.0	N 16	N 18		.17				Fog	Part. Cldy
Sept.													
1	1010.4	1004.6	51	34	N 16	NNE 24			.08	12	12	Cloudy	Overcast
2	998.9	1000.9	47	40	NNE 23	N 20		.04	.04	10	12	Rain	Cloudy
3	1002.5	1001.6	45	36	N 12	WSW 10		.01		12	12	Part Cldy	Cloudy
4	1004.5	1009.2	48	42	SSW 12	WSW 20		T	.11	12	12	Overcast	Overcast
5	1010.6		47	34	SSW 23			.07	.03	12		Cloudy	
6	1015.5	1021.0	55	34	SSW 18	WNW 20		.30	T	12	12	Dis.Precip	Overcast
7	1022.9	1010.9	41	27	SSW 12	S 10				12	12	Part.Cldy	Cloudless
8	1014.0	1005.0	46	40	SE	SE 22			.19	12	1	Overcast	Fog
9		1002.1		42		W 12		.13	T		2		Drizzle
10	1015.1		45	42	NNW 16			.01	.05	8		Overcast	
11	1027.4		35	35	NNW 16			.01		12		Part Cldy	
12	1030.0	1031.1	47	31	NNW 2	NNE 9				12	12	Cloudy	Cloudless
13	1033.7	1026.9	46	26	N 7	Calm					12	Cloudless	Cloudless
14		1013.7				SE 20					12		Overcast
15	1005.0	1005.8	56	48	E 21	SSE 16			T	12	8	Overcast	Overcast
16	1005.1	1003.4	53		N 14	N 12		.01		12	12	Overcast	Cloudless
17	999.1	994.7	65	40	NNE 24	N 16				12	1 3/4	Cloudy	Cloudy
18	997.7	1001.9	49	36	N 6	S 5				5	12	Cloudy	Cloudy
19		999.2		40		S 4			.03		8		Frzg Rain
20		1010.0		40		NNW 6			.15		5		Overcast
21		1013.2		34		SSW 8					12		Cloudy
22	1030.6	1011.7	47	37	SSW	SW 12			.07	1 1/4	10	Dust Strm	Overcast
23	1009.4		44	36	SSW 18			.10		3		Overcast	
24	1014.2		44	30	Calm					12		Cloudy	
25	1015.0	1013.3	44	27	N 5	NNE 15				½	12	Part Cldy	Overcast
26	1011.1	1008.0	40	28	N 18	N 12				12	12	Part Cldy	Cloudy
27	1004.3		40	33	SSW 18			.04		2		Overcast	
28	1005.3	1014.3	38	27	SSW 18	NW 15		.05		12	10	Part Cldy	Overcast
29	1017.8	1016.9	39	31	SSW 12	S 23		.01	.04	10	5	Snow	Overcast
30	1011.3	1007.0	40	34	SSW 12	SW 15		.11	.10	1½	1 1/4	Drizzle	Drizzle
Oct.													
1	992.0	998.5	44	39	E 21	NNW 25		.30	.04	12	5	Overcast	Overcast
2	994.5	1009.6	45	29	N 38	N 16			.08	10	11/4	Overcast	Overcast
3		1021.6		22		E 23			T		10		Overcast
4	1013.4	1004.6	37	28	NNE 22	NNE 15			.07	12	8	Cloudy	Overcast
5		1000.4		32		S 17		.13	.37		1		Rain
6	1005.9		37	31	SW 4			.19	T	1/4		Snow	
7	1014.5	1011.7	33		SW 9	SE 8				10	10	Overcast	Overcast
8	1009.0		36	30	N 7			.03		½		Snow	
9	1019.9	1023.1	33	21	N 28	E 10				12	12	Cloudless	Overcast
10		1012.4		23		SE 17			.05		1/4		Snow
11	998.3	995.0	34	31	E 32	N 12		.05		1/8	8	Snow	Overcast
12	1004.4	1000.9	34	27	W 15	Calm				5	10	Overcast	Overcast
13	1010.4		31	17	N 5					12		Cloudy	
14	1014.9	1014.0	30	17	SE 9	S 12				12	12	Overcast	Part. Cldy
15	1010.9		33	27	S 16			.06		10		Cloudy	
16	1004.3	1010.5	35	29	SW 18	SSW 16				12	12	Cloudy	Cloudy
17	1009.5	1009.1	34	21	E 10	NNE 12			.01	12	10	Cloudy	Snow
18	1009.4	1012.1	29	15	N 16	NNE 7				12	12	Part.Cldy	Cloudless
19	1014.8	1018.4	23		N 9	NNW 9				4	12	Cloudy	Part. Cldy
20	1019.2	1007.6	25	19	NNW 9	S 15			.03	5	3	Overcast	Sleet
21	1007.4	1014.3	28	13	N 15	N 12		T		2	10	Snow	Overcast
22	1013.7	1012.0	22	9	NNE 16	E 12				12	12	Cloudy	Overcast

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Date	Barometer		Temp.		Wind			Precip.		Vis.		Weather	
	Mbs.	Mbs.	Max.	Min.									
1952	0730	1930	F°	F°	0730 am		1930 pm	am	pm	am	pm	a.m.	p.m.
Oct.													
23	1009.5	1007.7	25	10	NNE	27	N 7			10	12	Cloudy	Cloudless
24	1010.5	1017.4	18	8	NNE	20	N 16			10	12	Cloudless	Cloudless
25	1015.2	1009.9	19	10	SW	16	WSW 12	.05	.02	½	1	Snow	Snow
26	1005.9	998.1	25	17	NNE	30	E 33	.01	.02	5	1/8	Cloudy	Snow
27		1001.3					NNE 30		T		1/8		Blowg.Snow
28	1004.7		25	15	N	29				2		Overcast	
29	1003.5	987.5	24	9	S	12	S 35	.03	.04	6	1/8	Overcast	Snow
30	980.5	992.5	31	25	E	9	NNW 28	.11	.10	5	2	Snow	Drifg.Snow
31	999.4	1004.1	30	20	NNW	16	NNW 10	.01	.01	12	5	Overcast	Cloudy
Nov.													
1	1007.4	1009.6	25	15	NNW	4	NNE 12		T	5	10	Overcast	Overcast
2	1008.1	1009.6	23		NNE	12	NNE 16		.05	8	2	Overcast	Snow
3	1009.6	1006.8	15	6	SE	14	N 10	.10	.03	10	10	Overcast	Cloudy
4	1005.3	1006.3	25	18	SSW	15	NNW 2		.04	5	12	Overcast	Part.Cldy.
5	1008.5	1010.0	20	10	NNE	9	NNE 13			10	12	Overcast	Overcast
6	1011.8	1011.9	17	7	NNE	21	NNE 23			10	12	Blow.Snow	Cloudy
7	1012.4	1015.8	7	3	NNE	14	NNE 10	.01		10	10	Overcast	Overcast
8	1020.5	1022.4	14	9	N	2	N 2	.05	.01	12	12	Lightning	Part.Cldy.
9	1018.2	1011.8	18	8			W 13	.02	.03	10	1/8	Overcast	Snow
10	1011.1		28	15					.03	8		Overcast	
11	1003.1	1002.7	25	17			NNE 15		.01	5	1/4	Overcast	Snow
12	1005.9	1009.8	21	4	NNE	12	N 5		T	12	10	Part.Cldy.	Overcast
13	1014.8	1018.9	16	2	N	4	N 7			12	12	Part.Cldy.	Cloudless
14	1018.5	1022.3	15	3	NNE	9	NNE 10		T	12	12	Overcast	Cloudless
15	1026.1	1029.9	11	4	N	10	SW 6		.01	12	8	Cloudless	Overcast
16	1030.7	1022.3	27	7	WSW	9	SW 12	T	.01	5	3	Rain	Snow
17	1031.1	1026.7	26	23	SW	16	SW 23	.01		10	10	Overcast	Cloudy
18	1022.1	1013.0	31	30	SE	16	SE 18		.01	10	10	Part.Cldy.	Overcast
19	1007.5	1008.7	36	33	SE	25	S 22	.21	.11	5	3	Rain	Rain
20	1014.4	1014.2	35	33	SE	15	SE 14	.22	.01	5	10	Rain	Overcast
21	1015.1	1018.4	36	32	SE	6	SE 6	.01	.08	5	1/8	Overcast	Fog
22	1019.7	1030.8	34	32	SW	22	SW 13	T	.01	5	5	Overcast	Snow
23	1027.5	1011.7	30	29	E	7	ENE 23	.01	.24	10	5	Overcast	Frzg. Rain
24	1000.6	1013.6	33	30	S	9	NNW 23	.15	T	1/8	5	Rain	Snow
25	1021.4	1026.4	35	24	NNW	14	SW 14	.01	.01	8	10	Overcast	Overcast
26	1023.7	1014.6	26	20	NNW	5	E 15	.06	.02	10	10	Overcast	Cloudy
27	987.3	992.4	25	14	NNE	18	NNW 22	.01	.06	5	10	Overcast	Overcast
28	1000.7	1002.7	25	11	W	21	SW 21	.05	.02	10	5	Cloudy	Blowg.Snow
29	1002.9	1005.8	20	15	SSW	18	NNE 5	.10	.05	10	1/4	Overcast	Snow
30	1010.1		20	4	N	1		.02		1/8		Snow	

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Date	Barometer		Temp.		Wind				Precip.		Vis.		Weather	
	Mbs.	Mbs.	Max.	Min.										
1952	0730	1930	F°	F°	0730 am		1930 pm		am	pm	am	pm	a.m.	p.m.
July														
1	1013.0	1011.6	55.9	36.0	NW	12	NE	18			12	12	Cloudless	Cloudy
2	1015.2	1017.2	61.9	35.0	NW	7	NW	18			12	12	Cloudless	Part Cldy
3	1016.4	1012.3	60.0	42.0	W	9	SW	8			12	12	Overcast	Cloudy
4	1010.9	1010.7	55.2	44.0	E	10	SE	10			12	12	Overcast	Overcast
5	1010.7	1010.8	45.5	41.0	SE	7	E	18	.03	T	10	12	Rain	Overcast
6	1004.5	1007.6	53.3	35.2	ENE	10	NE	20			12	12	Overcast	Overcast
7	997.2	997.8	51.2	37.0	N	24	NW	32			12	12	Showers	Cloudy
8	1001.0	1006.5	54.6	38.0	WNW	23	WNW	18	T		12	12	Cloudless	Cloudy
9	1013.8	1015.8	46.1	38.3	SSW	10	SSE	14	T	T	12	12	Overcast	Fog
10	1014.4	1019.5	47.7	36.9	S	9	SSE	10			1/8	¼	Drizzle	Fog
11	1023.4	1019.9	49.9	37.0	SE	2	E	18	T	.10	¼	12	Fog	Showers
12	1012.8	1011.0	47.5	39.0	E	21	ENE	18		.02	12	12	Overcast	Overcast
13	1010.0	1010.1	44.0	34.8	NE	14	N	12	.01	.03	2½	12	Drizzle	Overcast
14	1008.3	1004.6	49.7	35.0	NNW	10	N	12		.03	12	12	Overcast	Overcast
15	1003.7	1006.7	50.9	38.0	N	2	SSE	3	.01		12	12	Rain	Overcast
16	1013.2	1015.6	63.4	37.0	NW	2	NW	6			12	12	Cloudless	Overcast
17	1015.4	1013.2	68.0	46.4	NW	8	N	20			12	12	Cloudy	Cloudless
18	1016.7	1017.3	67.0	39.0	N	10	NW	11			12	12	Overcast	Overcast
19	1016.1	1015.8	70.0	47.0	N	12	S	8			12	12	Cloudy	Overcast
20	1015.1	1012.1	76.2	49.0	Calm		W	14			12	12	Part Cldy	Cloudy
21	1010.2	1005.9	73.4	47.8	N	4	NW	14			12	12	Cloudless	Cloudless
22	1003.4	1005.2	55.0	48.9	N	7	SW	12	T		12	12	Rain	Overcast
23	1005.0	1002.9	55.1	40.0	W	2	S	18			12	12	Overcast	Showers
24	1005.5	1004.6	57.8	42.6	Calm		W	12		T	12	12	Part Cldy	Cloudy
25	999.7	994.1	46.7	43.0	S	16	Calm		.03		12	7	Overcast	Overcast
26	995.6	995.7	53.1	34.2	N	21	WSW	18		.29	12	12	Cloudless	Cloudy
27	996.3	997.6	47.3	37.0	SW	18	SW	24	T	.17	12	12	Overcast	Cloudy
28	1000.2	999.9	52.0	35.0	W	9	NW	10			12	12	Part Cldy	Overcast
29	997.2	992.8	49.2	34.0	NW	10	NW	18		T	12	12	Overcast	Rain
30	992.6	998.2	46.0	39.0	S	10	SE	24	T	.10	12	12	Drizzle	Rain
31	1001.5	1006.7	46.5	37.3	SE	16	NE	10	.10	T	12	12	Overcast	Drizzle
Aug.														
1	1006.3	1008.7	59.1	40.0	NE	22	E	12	T		12	12	Cloudy	Cloudy
2	1009.9	1012.7	57.9	42.4	NE	18	NE	18			12	12	Overcast	Overcast
3	1012.7	1010.3	57.1	45.4	N	6	SW	5			12	12	Overcast	Dist.Prec.
4	1009.3	1009.7	57.9	40.0	NNW	11	ENE	6		T	12	12	Overcast	Cloudy
5	1009.9	1007.2	47.2	39.9	S	6	E	15	T	.52	10	2	Overcast	Rain
6	1007.4	1007.0	51.6	42.0	SE	14	SE	14	.40	T	6	12	Rain	Rain
7	1010.1	1009.4	52.3	40.0	S	12	SE	13			1/8	12	Fog	Overcast
8	1006.1	1002.5	47.5	42.0	E	20	E	24		.07	12	3	Overcast	Rain
9	998.4	998.6	49.3	37.5	E	14	E	8	.19	.05	8	8	Rain	Rain
10	998.2	1001.6	45.0	38.0	SW	6	S	5	.37	.03	10	12	Rain	Rain
11	1004.7	1003.5	48.0	36.6	Calm		NE	12	T	.19	¾	12	Fog	Cloudy
12	994.0	991.7	43.4	39.0	NE	30	N	20	.45	.13	12	12	Overcast	Rain
13	991.3	992.4	45.4	38.5	N	3	S	5	.01	.30	12	2	Overcast	Drizzle
14	995.0	997.4	50.2	39.1	E	4	S	5	.02		5	12	Overcast	Overcast
15	998.2	996.3	50.2	37.3	SE	3	NE	10			2	12	Fog	Virga
16	997.0	999.4	51.8	36.2	N	9	SE	8			12	10	Overcast	Overcast
17	1000.5	1002.5	47.0	39.9	Calm		S	6		.05	12	12	Overcast	Drizzle
18	1005.8	1007.9	51.4	40.3	NE	5	N	12	.02	.09	10	12	Overcast	Overcast
19	1008.7	1010.7	53.2	40.8	NW	10	E	6	T	.02	12	12	Overcast	Drizzle
20	1013.1	1013.4	53.0	41.0	NW	6	NW	10			12	12	Overcast	Overcast
21	1014.5	1013.9	52.6	35.5	NW	6	SW	12	.02		12	12	Part Cldy	Dist.Fog
22	1010.1	1015.2	54.3	42.0	W	10	N	12			12	12	Cloudy	Part Cldy

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Date	Barometer		Temp.		Wind				Precip.		Vis.		Weather	
	Mbs.	Mbs.	Max.	Min.										
1952	0730	1930	F°	F°	0730 am		1930 pm		am	pm	am	pm	a.m.	p.m.
Aug.														
23	1021.8	1021.9	49.6	32.0	N	6	S	6			24	12	Cloudless	Overcast
24	1011.5	999.0	46.2	38.0	SE	24	S	21		.21	10	1	Overcast	Drizzle
25	994.9	999.3	46.5	37.4	W	20	NW	30	T		12	12	Part Cldy	Overcast
26	1008.5	1013.8	45.1	33.1	NW	36	NW	15			12	12	Cloudless	Overcast
27	1013.5	1017.0	43.6	29.0	NW	20	NW	12			12	12	Part Cldy	Part Cldy
28	1019.6	1019.9	47.2	27.1	NW	5	SW	13			12	12	Cloudless	Overcast
29	1020.2	1013.2	47.5	36.5	NW	3	S	20		.72	12	12	Cloudy	Rain
30	994.5	1003.2	48.0	38.3	W	8	NW	18	.36		8	12	Rain	Cloudy
31	1008.0	1009.2	38.0	27.1	W	16	NW	19			12	12	Cloudless	Overcast
Sept.														
1	1010.9	1009.2	43.4	28.8	SW	6	SW	18		T	12	12	Cloudy	Overcast
2	1005.9	1004.6	43.4	35.5	SW	15	S	12	.01	.15	12	10	Overcast	Rain
3	1003.6	1000.9	39.9	34.9	SE	5	S	20	.02	.20	¼	1	Fog	Rain
4	1002.3	1003.2	40.4	33.1	SW	6	NE	6	.01	.08	½	8	Fog	Rain
5	1008.6	1012.0	34.1	27.2	N	35	N	38	T		12	12	Cloudy	Cloudy
6	1015.3	1016.5	36.0	27.1	NNW	37	NNW	24			12	12	Overcast	Part Cldy
7	1015.1	1012.8	49.2	24.3	NW	16	SW	3			12	12	Cloudless	Overcast
8	1009.9	1007.6	45.0	29.2	SE	6	ESE	16		T	0	12	Fog	Overcast
9	1008.2	1012.2	42.8	31.8	NE	6	SW	6			12	12	Overcast	Overcast
10	1014.9	1019.9	37.8	30.2	Calm		NNW	10	.02		10	12	Overcast	Overcast
11	1025.7	1027.5	42.7	28.8	Calm		Calm			T	12	12	Dist.Precip.Cloudy	
12	1028.3	1031.5	46.1	33.0	W	10	SW	4	.05		12	12	Overcast	Part Cloudy
13	1033.8	1031.5	42.0	27.6	Calm		ESE	10			4	12	Fog	Overcast
14	1018.6	1004.9	39.7	35.8	SE	34	SE	32	.20	.47	10	1½	Rain	Drizzle
15	997.5	1006.1	44.5	35.6	S	6	NW	10	.02		1/8	12	Fog	Overcast
16	1012.3	1015.6	46.5	33.1	N	6	NE	10			12	12	Overcast	Overcast
17	1013.2	1011.8	43.4	37.4	NE	21	N	10			12	12	Overcast	Overcast
18	1008.8	1008.8	44.3	34.8	N	21	N	6	T		12	12	Showers	Overcast
19	1011.2	1012.8	41.3	35.0	NE	18	N	20			12	12	Cloudy	Overcast
20	1013.7	1014.6	41.0	32.5	N	10	N	13			12	12	Overcast	Part Cldy
21	1015.3	1013.9	45.3	26.4	NW	12	NW	12			12	12	Overcast	Overcast
22	1011.4	1009.5	33.2	30.1	Calm		E	7	.02	.38	10	1	Snow	Snow
23	1011.7	1013.9	30.2	26.2	N	12	N	12			12	16	Overcast	Overcast
24	1014.1	1012.7	32.3	25.1	W	10	W	12			12	12	Overcast	Overcast
25	1014.1	1012.4	31.2	22.8	W	12	W	12		T	12	12	Overcast	Overcast
26	1008.2	1002.2	30.6	26.2	W	12	SW	6	T	.13	10	2	Overcast	Snow
27	998.3	996.2	24.6	13.7	NW	10	NW	10	T		12	12	Part Cldy	Cloudless
28	996.5	1003.6	26.6	16.9	NW	23	W	34			12	10	Cloudless	Overcast
29	1007.5	1008.4	24.5	20.0	W	18	NW	18			12	12	Overcast	Overcast
30	1010.3	1009.7	26.3	19.8	NW	18	W	18			12	12	Overcast	Overcast
Oct.														
1	1007.5	1006.5	26.8	17.1	N	10	N	12			12	12	Part Cldy	Overcast
2	1006.2	1009.4	29.1	17.2	NW	18	NW	12		T	12	12	Cloudless	Overcast
3	1015.2	1020.6	32.0	19.2	Calm		SE	24	T	T	12	8	Snow	Overcast
4	1027.1	1026.9	30.7	24.9	E	16	NE	33			12	12	Cloudless	Cloudless
5	1022.4	1019.8	31.3	24.3	NE	38	NE	20		T	12	12	Overcast	Overcast
6	1015.1	1012.3	23.5	17.5	NW	12	NW	19		T	12	12	Cloudy	Sn.Showers
7	1012.3	1016.1	23.0	10.3	N	10	N	10			12	12	Part Cldy	Cloudless
8	1019.0	1022.1	20.4	6.3	NW	7	N	14		T	12	12	Part Cldy	Sn Showers
9	1023.3	1022.2	22.1	7.2	NW	3	NW	6			12	12	Cloudless	Cloudy
10	1019.9	1015.0	24.4	11.4	NW	3	NW	7			12	12	Overcast	Cloudless
11	1011.9	1010.9	24.9	11.2	NW	11	Calm			T	12	12	Overcast	Overcast
12	1009.9	1013.3	28.0	16.2	NNE	10	N	18	T	T	12	12	Overcast	Cloudless
13	1016.5	1014.9	24.6	8.7	NNE	6	Calm		T	.05	12	8	Overcast	Snow
14	1006.8	1003.4	27.4	14.7	S	15	NNW	14	.12	.15	1	12	Snow	Overcast
15	1005.3	1005.9	20.4	-2.2	NW	15	NW	14			12	12	Drift Snow	Cloudless
16	1006.9	1009.9	13.2	-2.7	NW	3	W	6			12	12	Part Cldy	Overcast
17	1013.1	1015.4	16.7	-6.3	Calm		NW	12			12	12	Part Cldy	Cloudless
18	1014.6	1019.3	26.1	-6.7	NW	14	NNW	12			12	12	Overcast	Cloudless

CORAL HARBOUR METEOROLOGICAL REPORT - 1952

MN-11-5

Date	Barometer		Temp.		Wind		Precip.		Vis.		Weather	
	Mbs.	Mbs.	Max.	Min.								
1952	0730	1930	F°	F°	0730 am	1930 pm	am	pm	am	pm	a.m.	p.m.
Oct.												
19	1022.1	1025.2	25.1	8.6	NNW 35	N 14			12	12	Drift Sn.	Part Cldy
20	1015.0	1012.3	20.8	3.0	E 3	NE 16	.03	T	10	12	Overcast	Cloudless
21	1014.2	1015.0	17.8	2.6	N 7	N 10	T	T	12	12	Snow	Part Cldy
22	1016.5	1017.3	17.3	5.3	NE 8	NE 13	.02	.01	10	12	Snow	Cloudy
23	1016.5	1018.2	19.3	11.4	NE 7	Calm	.01	T	10	12	Snow	Overcast
24	1017.0	1011.8	28.3	15.3	Calm	NW 20	.05	.04	10	12	Snow	Drift Sn.
25	1011.1	1010.8	19.4	-6.0	NW 24	NW 20			12	12	Part Cldy	Cloudless
26	1011.4	1013.0	20.2	7.6	NE 12	E 18	T	.02	12	12	Snow	Snow
27	1014.9	1016.9	6.2	-5.1	N 18	NW 16			12	12	Overcast	Part Cldy
28	1015.3	1009.7	4.2	-11.6	N 16	N 8			12	12	Cloudless	Overcast
29	1011.7	998.1	10.7	-9.9	NNE 8	NE 30	.03	.02	2	2	Snow	Blow Sn.
30	998.0	999.7	11.3	4.1	NNE 24	N 12		T	8	12	Blow Sn.	Snow
31	1003.1	1005.4	-0.9	-9.9	NNW 5	Calm		T	12	12	Part Cldy	Cloudless
Nov.												
1	1006.5	1006.3	01	-12	WNW 14	NNW 8	T	.01	12	12	Cloudy	Cloudy
2	1007.7	1007.6	-2	--	WSW 4	W 5		T	12	12	Overcast	Snow
3	1004.4	1004.6	5	-6	NNE 4	N 16	T	.01	12	12	Snow	Overcast
4	1005.5	1008.4	6	-7	N 2	NNW 10			12	12	Overcast	Overcast
5	1012.4	1015.9	9	-12	N 10	N 13			12	12	Part Cldy	Cloudless
6	1019.3	1022.4	5	-17	Calm	N 12		T	12	12	Cloudless	Cloudy
7	1019.8	1019.0	00	-14	N 5	NNW 12	.06	.01	12	12	Snow	Overcast
8	1019.4	1021.0	10	-14	NNW 12	NNW 16	T	.75	4	10	Overcast	Cloudy
9	1018.3	1011.2	-5	-17	NNE 14	NNE 28	.76		12	12	Snow	Blow Snow
10	1007.9	----	00	-8	NNW 13	----			10	4	Drift Sn.	------
11	1010.9	1012.4	7	3	N 6	NNW 5			12	--	Overcast	Cloudless
12	1012.8	1014.9	7	-16	Calm	NNW 10			12	12	Overcast	Cloudless
13	1018.0	1018.7	-1	-19	NNE 6	E 22		.03	12	12	Cloudy	Overcast
14	1018.8	1018.5	14	3	E 12	S 16	.01	T	12	12	Sn.Showers	Fr.Drizzle
15	1015.7	1010.2	27	21	S 18	NNW 18	T	.05	10	4	Overcast	Drift Sn.
16	1029.2	1025.7	11	-7	N 14	E 18		.05	10	½	Cloudless	Overcast
17	1016.9	1013.3	23	5	SW 9	S 6	T	.03	12	12	Overcast	Snow
18	1011.4	1011.5	28	15	SW 8	Calm	.02	.02	10	8	Snow	Fog
19	1007.2	1003.4	28	21	NNE 31	NNE 14	.08	.05	1	1/8	Snow	Snow
20	1007.1	1013.3	27	18	E 12	NNE 12		.02	1½	10	Fog	Gran.Snow
21	1023.0	----	31	25	SE 12	----	.05		3	--	Snow	------
22	1015.2	1017.9	29	14	Calm	SSE 8		T	10	10	Overcast	Snow
23	1022.1	----	24	9	S 5	----	.03	.01	8		Snow	------
24	1017.8	1016.3	17	-7	N 12	NNW 14	.01	.04	10	12	Snow	Overcast
25	1017.8	1020.9	12	-9	NNW 5	NNW 12	T	T	12	12	Overcast	Overcast
26	1021.6	1019.6	7	-19	NNW 10	NNW 15			12	12	Cloudless	Cloudless
27	1010.4	999.2	-1	-29	NNW 7	NNW 16		T	12	8	Part Cldy	Snow
28	993.5	994.6	4	-9	N 31	NNW 30			10	10	Drift Sn.	Drift Sn.
29	999.1	1000.1	4	-12	NNW 12	NNW 16		.09	12	10	Overcast	
30	1005.9	----	-7	-27	N 6	----			12	--	------	------

ICE REPORTS - 1952

RESOLUTION ISLAND

July 1 Very scattered pieces of pan ice to the W.
2 No ice in sight.
3 One large berg to the NW, 10 miles off shore.
4 Two large bergs 5 miles off shore to the E, and SE strings of loose packed ice from shore to horizon.
5 Loose packed and scattered ice all directions. One large berg to the SE 2 miles off shore, another large berg to the W, 8 miles off.
6 Loose packed ice all directions. One large berg to the SW, 2 miles off shore.
7 One long narrow string of loose packed ice, 2 miles off shore.
8 Few pieces very scattered pan ice, one large berg to the SW 4 miles off shore.
9 Scattered pan ice all directions, one large berg to the SE 2 miles off shore.
10 Scattered and loose packed pan ice around shore.
11 Scattered and loose packed ice all directions.
12 Very scattered ice all directions.
13 Loose packed and scattered ice all directions.
14 Loose scattered ice all directions.
15 Loose packed and scattered ice in all directions.
16 Scattered and loose packed ice in all directions.
17 No visibility, fog.
18 A few scattered strings close in shore then open water to horizon.
19 Scattered strings close inshore then open water.
20 A few loose strings close inshore, then open water.
21 No ice in sight.
22 Five bergs in sight from station, otherwise no ice.
23 Seven bergs in sight, otherwise no ice.
24 No ice in sight.
25 Two small bergs, one SE and one SW, 3 miles.
26 A few scattered bergs and growlers Westward of station.
27 No ice in sight.
28 No ice in sight.
29 Fog.
30 Two bergs to Westward.
31 No ice in sight.

Aug. 1 One small berg W of Station.
2 One large berg SW, 2 miles.
3 No ice in sight.
4 No ice in sight.
5 No visibility, dense fog.
6 No visibility, dense fog.
7 No ice in sight.
8 No visibility, dense fog.
9 No visibility, dense fog.
10 No visibility, dense fog.
11 No visibility, dense fog.
12 No visibility, dense fog.
13 No ice in sight.
14 One very large berg 10 miles WSW.
15 No ice in sight.
16 No visibility, dense fog.
17 Three small bergs SW 5 miles.
18 Two bergs S, 10 miles, one W, 12 miles, one NW, 6 miles.
19 One small berg SW 5 miles.
20 No visibility, dense fog.

Aug.	21	One berg S, 10 miles, one large berg SW, 8 miles, one berg NW, 10 miles.
	22	One berg, three growlers, 5 miles WNW.
	23	One berg S, 15 miles, one SW, 10 miles, one berg and growler W, 5 miles.
	24	No ice in sight.
	25	No ice in sight.
	26	No ice in sight.
	27	Two bergs SW, 10 miles.
	28	No ice in sight.
	29	No ice in sight.
	30	No ice in sight.
	31	No visibility, dense fog.
Sept.	1	One small berg SE, 3 miles.
	2	One small berg W, 5 miles, one berg NW. 7 miles.
	3	No ice in sight.
	4	No ice in sight.
	5	No ice in sight.
	6	One small growler 2 miles W.
	7	No ice in sight.
	8	No ice in sight.
	9	One berg W, o miles.
	10	No ice in sight.
	11	No ice in sight.
	12	One berg SE, 3 miles.
	13	No ice in sight.
	14	No ice in sight.
	15	No ice in sight.
	16	One very large berg W, 4 miles, one NW, 8 miles.
	17	No ice in sight.
	18	No ice in sight.
	19	No ice in sight.
	20	No ice in sight.
	21	No ice in sight.
	22	No ice in sight.
	23	No ice in sight.
	24	No ice in sight.
	25	One growler S, 2 miles.
	26	One berg SSE, 15 miles, one growler W, 3 miles.
	27	No ice in sight.
	28	No ice in sight.
	29	No ice in sight.
	30	One berg SE, 4 miles.
Oct.	7	One small growler SW, 3 miles.
	11	One small growler SW, 3 miles.
	30	One small growler E, 3 miles.
Nov.	13	One berg SE, 6 miles, one berg SW, 4 miles.
	15	Two large bergs W, 5 miles.
	17	One berg NW, 5 miles; several growlers S, 10 miles, and one large berg SE, 10 miles.
	18	One berg NW, 3 miles.
	19	One berg SW, 5 miles.
	21	One berg S, 1 mile.
	22	One berg SW, 5 miles.
	24	Two bergs W, 5 miles.

CAPE HOPES ADVANCE

July 1 Open water near shore, then loosely packed ice to 5 miles off shore. Closely packed floe ice to horizon; 3 bergs in sight 10 miles NE.
2 Loosely packed pans and pieces of ice, 10 miles off shore. Closely packed ice to horizon. 2 bergs in sight 15 miles NE.
3 Loosely packed pans and pieces of ice 6 miles off shore. Closely packed ice to horizon. 9 bergs in sight 15 miles NE.
4 Open water with pans and pieces of ice near shore. Loosely packed ice to horizon. 17 bergs, 3 growlers in sight 10 miles off shore NE.
5 Open water with scattered pans and pieces of ice, 5 miles off shore. Loosely packed ice to horizon. 9 bergs, 2 growlers in sight NE.
6 Open water with scattered pans and pieces of ice, 2 miles off shore. Loosely packed ice to horizon. 3 bergs in sight 20 miles NE.
7 No visibility, fog.
8 Open water with ice on horizon East of station. Loosely packed ice 3 miles off shore N and NW of station.
9 Open water to one mile off shore, then loosely packed ice to horizon.
10 Open water with widely scattered pieces of ice W of station. Open water with scattered pans and pieces of ice, 2 miles off shore NE of station. Close packed ice.
11 Open water 3 miles off shore. Close packed ice to horizon. 3 bergs in sight.
12 Open water with few widely scattered pans and pieces of ice.
13 Loosely packed ice. 2 growlers, 1 berg 5 miles off shore NW; all open water E of station.
14 No visibility, dense fog.
15 Field of ice 4 miles off shore to N of station; open water other directions.
16 Scattered drift ice 8 miles off shore to N of station. 1 growler in sight.
17 Ice field 6 miles off shore to NE and E of station.
18 Dense fog, visibility zero.
19 Dense fog, visibility zero.
20 No ice in sight.
21 No ice in sight.
22 Scattered pieces N and NE of station.
23 No ice in sight.
24 No report, dense fog.
25 No ice in sight.
26 No ice in sight.
27 No ice in sight.
28 No ice in sight.
29 No ice in sight.
30 No report made, relief made at station.
31 No ice in sight.

Aug.1 No ice in sight.
2 No report, dense fog.
3 No report, dense fog.
4 One growler 5 miles N of station.
5 No ice in sight.
6 No report, dense fog.
7 No ice in sight.
8 No report, dense fog.
9 No ice in sight.
10 One small berg 2 miles E of station moving E. One berg 8 miles NW.
11 No report, thick fog.
12 One berg 6 miles NE.
13 One berg 4 miles NE.

Aug.	14	No ice in sight.
	27	One large berg 10 miles N of station.
	28	One large berg 10 miles NE.
	29	One berg 10 miles N. One berg 8 miles E of station.
	30	One berg 10 miles N of station.
	31	No ice in sight.
Sept.	1	No ice in sight.
	4	No report, dense fog.
	5	One berg 10 miles NE of station.
	6	No ice in sight.
	7	No ice in sight.
	8	No ice in sight.
	9	No report, dense fog.
	10	One berg 8 miles E of station.
	16	No report, dense fog.
	17	No report, dense fog.
	18	No report, dense fog.
	19	One berg 8 miles NE of station.
	30	No ice in sight.
Oct.	1	No ice in sight.
	3	One berg 12 miles NW.
	8	One growler 3 miles N.
	13	One berg 10 miles E.
	20	One berg 8 miles W.
	21	One growler 2 miles N of station.
	26	One berg 8 miles NW.
	27	Twenty-seven bergs 5 miles NW drifting E.
Nov.	2	One berg 5 miles E.
	11	Eleven strings loose ice along shore.
	12	Several small strings slob ice 3 miles off shore.
	17	Slob ice along shore. Seventeenth strings slob ice in all directions to horizon. One berg 10 miles NE.
	18	Loose packed new ice in all directions to horizon.
	19	Light new ice in strings extending from 4 miles off shore to horizon.
	20	Strings new ice extending from 5 miles off shore in all directions to horizon.
	21	Few strings light ice NE of station, open water elsewhere.
	24	Strings light ice extending from 5 miles off shore to horizon N and NE of station. Open water elsewhere.
	26	Strings light new ice extending from 5 miles off shore to horizon N and NE.
	28	Slob ice to half-mile off shore. Open water to horizon.

NOTTINGHAM ISLAND

July	1	Close packed ice to horizon with one quarter open water.
	2	Loose packed ice to horizon.
	3	Loose packed ice to horizon.
	4	Close packed ice to horizon with occasional open leads.
	5	Open water to 2 miles. Close packed drift ice to horizon.
	6	Widely scattered pieces to 5 miles. Close packed ice to horizon.
	7	No report, dense fog.
	8	Close packed ice to horizon with open lead $\frac{1}{2}$ mile off shore.
	9	Close packed ice to 1 mile; scattered pieces to 5 miles, then close packed ice to horizon.
	10	Widely scattered pans and pieces to horizon.

July 11 Close packed ice to horizon except for two open leads ½ mile and 1 mile off shore.
12 Scattered pieces along shore. Open water to horizon, loose packed ice on horizon.
13 Close packed ice to ½ mile. Open water to horizon.
14 Loose packed ice to horizon.
15 No report, drizzle and fog.
16 Loose packed ice to horizon.
17 Close packed ice along shore. Scattered ice to 5 miles off shore.
18 Close packed ice along shore. Ice field 5 miles off shore to horizon W of station. Clear to SW.
19 Loose packed ice to 10 miles off shore. Open water.
20 Loose packed ice along shore, then open water except for 2 strings 3 miles off shore.
21 Scattered pieces of ice to horizon.
22 Scattered ice along shore, and strings of ice 1 mile off shore.
23 Widely scattered ice along shore and one narrow string of ice 1 mile off shore.
24 Scattered ice to ten miles off shore. Field ice on horizon.
25 Scattered ice along shore. String of ice 1 mile off shore.
26 Scattered ice along shore, then clear.
27 Loose ice to one mile off shore, then clear.
28 Scattered pieces of ice along shore, then clear to horizon.
29 Scattered ice along shore, then clear.
30 Scattered pieces of ice along shore, then clear to horizon.
31 No ice in sight.

Aug. 1 Widely scattered pieces of ice to horizon.
2 No ice in sight.
13 No ice report, dense fog.
14 No ice report, foggy.
15 No ice in sight.
17 No ice in sight; fog in distance.
25 No ice in sight; fog.
26 No ice in sight; rain and snow.
29 Loose packed ice 5 miles W of station to horizon.
31 No ice in sight.

Sept. 1 A few scattered pieces of ice along shore. Ice field on horizon W and NW of station.
2 Close packed ice 1 mile from shore to horizon.
3 Close packed ice to horizon with open leads along shore.
4 Close packed field ice from shore to horizon with open leads along shore.
5 No ice report. Snow.
6 Close packed ice along shore, then open water to horizon.
7 Widely scattered pieces of ice 5 miles off shore to horizon.
8 Widely scattered pieces of ice to 4 miles off shore, then loose packed ice to horizon.
9 Scattered pieces of ice along shore; then clear visibility.
10 Scattered pieces of ice along shore; narrow string of ice 1 mile off shore.
11 Scattered pieces of ice along shore. Open water to horizon.
12 Widely scattered pieces of ice from 1 mile off shore to horizon. Close packed ice on horizon.
13. Widely scattered pieces of ice to horizon. Field of loose drift ice on horizon.
14 A few widely scattered pieces of ice W of station 3 miles off shore.
15 No ice in sight.
22 No ice in sight.

Oct. 2 No ice in sight.
16 No report. Visibility less than one mile in snow.
30 Cove frozen over. No ice at sea.
31 Cove frozen solid. No ice at sea.

Nov. 1 Cove frozen solid. Slob ice forming along shore.
2 Sea ice forming from shore to about 1 mile off shore. No other ice in sight.
3 Ice field to horizon with many open leads.
4 Ice to horizon with many open leads.
5 Ice field from 3 to 5 miles off shore to horizon.
6 Ice on horizon due W of station.
7 Loose packed ice from 2 miles off shore to horizon.
8 Close packed ice to horizon.
9 Field ice to horizon with many open leads.
10 Close packed ice to horizon.
11 Close packed ice to horizon with few open leads.
14 Close packed ice to horizon with few open leads along shore.
16 Land floe to 1 mile off shore, then open water with ice field from 3 to 8 miles off shore to horizon.
17 Close packed ice to horizon with few open leads.
18 No report. Fog.
19 Loose packed ice to horizon.
20 Slob ice to $\frac{1}{2}$ mile off shore, then clear.
21 Close packed ice W and NW of station, clear to SW.
22 No report.
23 No ice at sea. Cove still frozen solid.
24 Narrow string loose ice 2 miles off shore. Ice field on horizon and NW of station.
25 Ice field on horizon. Few strings drift ice near shore.
26 New ice to horizon.
27 Close packed ice 1 mile off shore to horizon.
28 No report. Blowing snow.
29 Close packed ice to horizon with open lead 2 miles off shore.
30 Close packed ice to horizon with open leads to SW.

CHURCHILL

July 1 Very small amount of scattered drift ice in Bay.
2 River and Bay ice free.
6 River ice free. Considerable amount of ice on horizon.
8 River ice free. Scattered drift ice in Bay in small amount.
10 Small amount of drift ice in river. Bay partly full scattered drift ice.
11 River and Bay full of loose packed drift ice.
13 River ice free. Bay partly full scattered drift ice.
15 River ice free. Few pieces drift ice in Bay.
17 River and Bay ice free.
19 Some ice on horizon.
22 River and Bay ice free.
25 No ice in sight.
26 No ice in sight.
28 Small amount of scattered drift ice on horizon.

Oct. 15 Small lakes frozen ice starting to form in river.
16 Some ice along shore of river. Very small amount of ice in Bay.
17 River partly full loose packed ice. Bay free of ice.
18 River and Bay full of loose packed drift ice.
19 River partly full of loose packed ice. Loose packed drift ice in Bay extending about half-mile off shore.

Oct.	20	Ice along shore of river. In Bay some ice on horizon.
	21	Small amount of scattered drift ice in river and Bay.
	22	Some ice along shore of river. Bay is free of ice.
	23	Some ice in river. Bay is free of ice.
	24	Small amount of ice along shore of river. Bay is free of ice.
	27	No visibility. Gale and blowing snow.
	28	Considerable amount of loose packed drift ice in river and Bay.
	29	River and Bay full of loose packed drift ice.
	30	River full of loose packed drift ice. Some drift ice along shore of Bay and in entrance of river.
	31	River and Bay full of loose packed drift ice.
Nov.	1	River and Bay full of close packed ice.
	2	Narrow opening in river extending to mouth of Bay. Remainder of river and Bay close packed ice.
	3	River and Bay partly full of scattered drift ice.
	5	Close packed ice along shore of river and Bay. Remainer ice free.
	6	River and Bay partly full of loose packed drift ice.
	7	River and Bay full of loose packed drift ice.
	8	River almost full of loose packed drift ice. Small amount of ice in Bay.
	9	River and Bay full of close packed ice.
	10	River full of close packed ice. Bay is free of ice.
	11	River and Bay partly full of loose packed drift ice.
	12	River full of close packed drift ice. Small amount of ice in Bay.
	15	River full of close packed ice. Bay is free of ice
	19	River full of loose packed ice. Bay partly full of ice.
	20	River and Bay full of close packed ice.
	21	River full of close packed ice. Bay partly full of slob ice.
	22	River and Bay full of close packed ice.
	26	River and Bay full of close packed ice.
	29	River and Bay solid.

PORT HARRISON

July	5	No ice sighted from King George Islands to Port Harrison.
	6	No ice sighted.
	16	Large ice field sighted 30 miles W of the Belcher Islands. Considerable ice passed off the Sleeper Islands.
Oct.	10	Slob ice started forming along river banks with some solid ice in sheltered coves.
	14	Ice slowly making in river along banks with some slob or slush ice drifting down from upper reaches of river. Lakes partly frozen.
	17	River freezing rapidly with solid ice extending 15 to 20 from shore, coves frozen solid, lakes covered with thin ice.
	18	River full of drifting slob ice as far as salt water; coves frozen solid three inches thick. No ice in salt water except for spray ice along shores of islands.
	21	Slob ice increasing in quantity and thickness in river, with considerable very thin true ice on salt water.
	22	River frozen across at one point near radio station.
	27	River ice thickening to six inches, and now safe to cross on foot but with numerous open spots. Lake ice six to eight inches. Slob ice only on salt water.
Nov.	5	Very little change in ice conditions. Considerable slob ice drifting from edge of river ice into harbour, but no signs of definite freeze-up of salt water.

Nov. 7 Salt water ice making rapidly.
8 Salt water ice now half to one inch.
9 River holes filling rapidly with slob ice.
10 River now solid to salt water with a few open holes. New ice moving around on salt water.
14 River ice fourteen inches thick, with some solid ice extending from mainland to Sheep Island. Continued mild weather has cleared all signs of ice from salt water.
29 Harbour started filling rapidly again with heavy slob ice. Clear channels of open water near islands only; heavy slob ice patches in all directions. No change in general conditions; solid river ice now extending half a mile on salt water.

GLOSSARY OF TERMS USED IN ICE NAVIGATION

Floe	A large mass of floating ice.
Pan	A small floe or piece of ice that can be forced aside or slewed.
A field	A large body of ice that may be seen around.
Land floe	Ice frozen fast to the shore.
Packed ice	Small pieces of ice closed together and held by the pressure of ice currents.
Ice blink	A peculiar pale yellow reflection on the sky indicating the presence of ice in the distance.
The ice pack	A large body of solid ice extending across the whole sea and through which it is impossible to advance.
Slack or open ice	Detached ice that can be worked through. Ice is said to be slacked when it begins to open up so as to be navigable.
A lead	A strip of navigable water opening into the pack.
Hummocky ice	Rough, uneven or thick ice.
Slob	Snow afloat and forming into ice.
Water sky	A dark or bluish appearance of the sky indicating open water beyond the ice pack.
Rafting	Occurs when two pans meet with force either by the action of winds or currents, the edges are broken off and either rise on top of or pass under the body of the other.
Growler	A more or less washed and rounded lump of ice which rolls about in the water; formed from broken-up bergs or detached pieces of heavy old Arctic floe ice.
Collar ice	The margin of ice frozen fast to an island or shore, presenting an abrupt wall against which the floating ice rises and falls with the tide.

AIDS TO NAVIGATION IN HUDSON BAY AND STRAIT

Radio Coast and Direction Finding Stations

Station	Call Sign	Calling freq.(1)	Working freq.(2)	Latitude N	Longitude W	Hours of service	Coast charge (3)
Resolution Island	VAW	500 Kc/s	484 Kc/s	61° 18' 30"	64° 53' 24"	Continuous during season of navigation.	6¢ per word
Cape Hopes Advance	VAY	500 "	484 "	61° 05' 12"	69° 33' 24"	Continuous during season of navigation.	" " "
Nottingham Island	VCB	500 "	458 "	63° 06' 48"	77° 56' 18"	Continuous during season of navigation.	" " "
Churchill	VAP	500 "	420 "	58° 46' 32"	94° 10' 31"	Continuous during season of navigation.	" " "
Chesterfield Inlet	VBZ	500 "	420 "	63° 20' 05"	90° 42' 33"	Continuous during season of navigation.	" " "

1. All stations maintain a listening watch on 500, 2182 and 4356 Kc/s during the navigation season.

2. All stations except Resolution Island take and transmit bearings on 410 Kc/s after communication has been established on 500 Kc/s.
Resolution Island takes bearings on 500 Kc/s and transmits bearings on 410 Kc/s.

3. All messages relative to navigation are handled free of charge. The six cent per word coast charge applies to all other traffic. For forwarding charges beyond Churchill enquire of any of the above stations or see Canada Rate Sheet, International List of Coast and Ship Stations.

Radio Meteorological Reporting Station

Station	Call Sign	Calling freq.	Working freq.	Latitude N	Longitude W	Hours of service	Coast charge (3)
Port Harrison	VAL	500 Kc/s	458 Kc/s	58° 27' 17"	78° 08' 29"	Keeps watch on 500 Kc/s for fifteen minute periods commencing at every odd hour from 7.00 p.m. E.S.T. inclusive, during season of navigation.	6¢ per word

GOVERNMENT VESSELS

Station	Call Sign	Calling freq.	Working freq.	Hours of Service	Remarks
C.G.S. N. B. McLean	C G S N	500 Kc/s	425 Kc/s	Continuous during season of navigation.	Normally this vessel patrols Hudson Strait during the season of navigation. Information in regard to her position may be obtained from any Radio Station in the Strait.
C.G.S. C.D. Howe	C G S N	500 Kc/s	425 Kc/s	Continuous during season of navigation.	

Information concerning ice conditions may be obtained on request from any coast station in the area, or from the Patrol Vessel C.G.S. "N.B. McLean".
See also Radio Aids to Marine Navigation for scheduled times of weather and ice broadcasts.

LIGHTS

Location	Position		Character	Elevation	Remarks
	Latitude N.	Longitude W.			
Goodwin Island, Button Islands Group (U)	60° 41' 31"	64° 38' 30"	Flashing	250 ft.	On wooden pole.
Resolution Island	61° 18' 20"	64° 53' 30"	Flashing	129 ft.	White square, wooden lantern on wooden skeleton base. One flash every ten seconds.
Cape Hopes Advance	61° 05' 00"	69° 33' 10"	Fixed	270 ft.	On wooden pole.
Wales Island (U)	61° 51' 37"	71° 58' 19"	Flashing	280 ft.	Steel tower.
Ashe Inlet (U)	62° 31' 40"	70° 33' 27"	Flashing	191 ft.	On wooden pole.
East end of Charles Island (U)	62° 36' 28"	73° 56' 12"	Flashing	200 ft.	Steel tower.
West end of Charles Island (U)	62° 42' 30"	74° 40' 00"	Flashing	45 ft.	On wooden pole.
Nottingham Island (U)	63° 05' 48"	77° 56' 55"	Flashing	50 ft.	On wooden pole.
Digges Island (U)	62° 35' 20"	78° 06' 42"	Flashing	65 ft.	On wooden pole.
Mansel Island (U)	62° 26' 00"	79° 38' 00"	Flashing	41 ft.	On wooden pole.
Coats Island (U)	62° 10' 00"	83° 08' 00"	Flashing	45 ft.	On wooden pole, surrounded by white lattice.
Coral Harbour (U)	64° 07' 33"	83° 15' 15"	Flashing	70 ft.	Red lantern on pole with tripod slatwork daymark at base.
Bear Island (U)	64° 00' 30"	83° 13' 01"	Flashing	58 ft.	Red lantern on pole with tripod slatwork daymark at base.
Churchill Harbour lighted bell buoy	58° 49' 57"	94° 05' 58"	Flashing	-----	Black, steel
Churchill Harbour, Manitoba	58° 46' 35"	94° 11' 18"	Flashing	218 ft.	White light on top of elevator penthouse.

(U) Unwatched

BEACON - CHURCHILL AIRPORT

Approximate Position:-
Latitude 58° 46' N., Longitude 94° 05' W.

Flash - every 10 seconds, 2.3 million candle power, 145 feet above sea level.

CANADIAN GOVERNMENT VESSEL N.B. McLEAN

The C.G.S. N.B. McLean, is a steel twin screw icebreaker, built in 1930, by Halifax Shipyards Limited, Halifax, N. S. Registered dimensions: 260.0 feet length, 60.3 feet beam, 28.75 feet depth. Tonnage: gross 3,253.68, net register 1,171.26.

The twin screws are driven by reciprocating engines having a total of 6,500 indicated horse power. The vessel is equipped with the most modern navigation equipment, and keeps continuous radio telegraph watch on 500 k.c. (international distress frequency), and is equipped for communication by radio telephone on 2,182 k.c. (distress and calling frequency) and 2,738 k.c. (ship to ship frequency). In addition, diving equipment and salvage gear are carried on board.

CANADIAN GOVERNMENT VESSEL C.D. HOWE

The C.G.S. C.D. Howe, is a steel twin screw icebreaker, built in 1950, by Davie Shipbuilding and Repairing Company, Limited, Lauzon, P. Q. Registered dimensions: 280.5 feet length, 50.2 feet beam, 23.5 feet depth. Tonnage: gross 3,627.98, net register 1,871.72.

The twin screws are driven by reciprocating engines having a total of 4,000 indicated horse power. The vessel is equipped with the most modern navigation equipment, and keeps continuous radio telegraph watch on 500 k.c. (international distress frequency), and is equipped for communication by radio telephone on 2,182 k.c. (distress and calling frequency) and 2,738 k.c. (ship to ship frequency).