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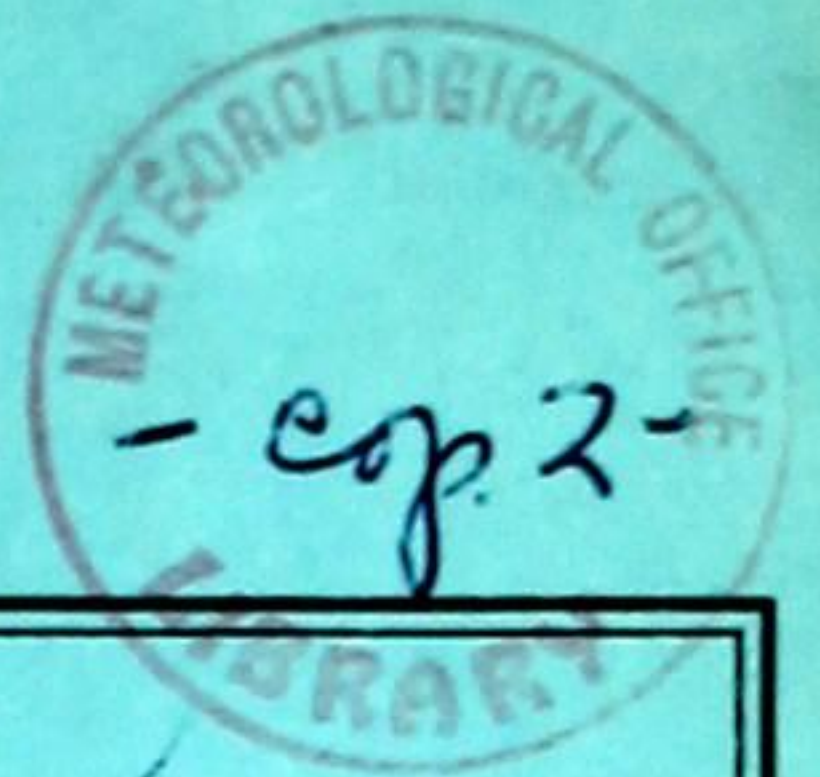
Pêches et Environnement
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CANADA DEPARTMENT OF TRANSPORT

ANNUAL REPORT

REPORT



NON-CIRCULATING



TWENTY-THIRD ANNUAL REPORT

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

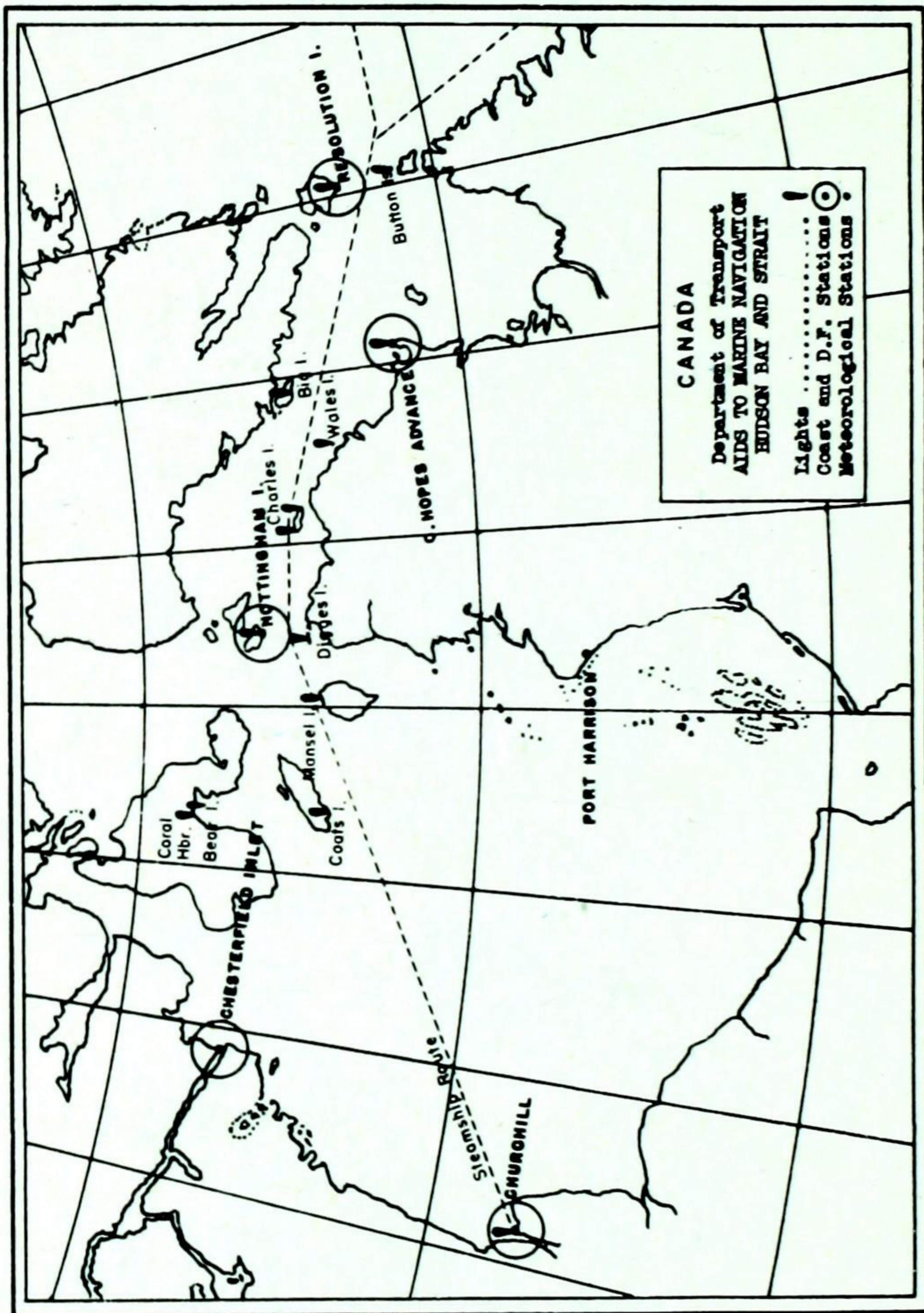
SEASON OF NAVIGATION
1951

DEPARTMENT OF TRANSPORT

HON. LIONEL CHEVRIER, Minister

PRICE 15 CENTS

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TWENTY-THIRD ANNUAL REPORT

NAVIGATION CONDITIONS ON THE HUDSON BAY ROUTE FROM THE
ATLANTIC SEABOARD TO THE PORT OF CHURCHILL
SEASON OF NAVIGATION, 1951

OPENING OF NAVIGATION

The following reports indicate the progress of the break up of the ice at various coastal points on the Hudson Bay and Strait:-

- Resolution Island -
July 1 - A few strings of ice close to the shore.
July 22 - No ice in sight.
- Cape Hopes Advance -
July 7 - No ice in sight. Fog.
- Nottingham Island -
July 27 - No ice in sight.
- Churchill Harbour -
July 2 - Scattered drift ice in the Bay. River clear of ice.
July 10 - No ice in sight.
- Chesterfield Inlet -
July 10 - The harbour is clear of ice. There is some drift ice about two miles out which is coming down the Inlet.
- Port Harrison -
July 1 - No ice in sight.

The first grain ships to enter the Strait were the WARKWORTH and the HAROLD T. ANDREWS.

CLOSING OF NAVIGATION

- Resolution Island -
Nov. 28 - Slob ice forming around the shore.
- Cape Hopes Advance -
Nov. 30 - Close packed ice in all directions, with very little open water.
- Nottingham Island -
Nov. 27 - Close packed new ice to one mile off shore, then open water to the horizon.
Nov. 30 - Close packed ice to the horizon.
- Churchill Harbour -
Nov. 23 - River and Bay full of close packed ice, with no openings.
Nov. 27 - River solid. Bay solid to the horizon.
- Chesterfield Inlet -
Nov. 9 - Entire harbour is covered with thin, smooth ice.
Nov. 23 - Smooth, frozen ice in harbour, and rough frozen ice outside to the horizon.
- Port Harrison -
Nov. 11 - River ice is safe for crossing. The harbour is mostly clear, with strings of drift ice.

The last grain ship to leave the Strait was the WARKWORTH on October 4.

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	
						1951	1950
Resolution Island	14	12	6	3	-	35	33
Cape Hopes Advance	9	10	5	-	-	24	32
Nottingham Island	7	5	2	-	-	14	25
Churchill Harbour	1	1	-	-	-	2	5
Chesterfield Inlet	2	-	1	-	-	3	7
Port Harrison	9	6	1	-	-	16	23
Coral Harbour	-	1	1	1	-	3	4

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 75.

The calibration of the Resolution Island and Churchill direction finders was checked during the season.

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 37.

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-one cargo vessels, four of which made a second trip, traversed the Hudson Bay Route this season. Details will be found on page 36.

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.

Examples of the type of information desired will be found between pages 19 to 35.

C.G.S. N.B. McLEAN, CAPTAIN C.A. CARON, M.B.E., MASTER
SYNOPSIS OF VOYAGE TO HUDSON STRAIT AND CHURCHILL, MANITOBA, 1951.

The icebreaker "N. B. McLEAN" left Quebec on June 26, and made calls on the outward passage to land supplies and staff for radio and lighthouse stations in the Belle Isle Strait. Unfavourable weather caused some delay in the completion of these operations. The vessel left Belle Isle on June 4, and steamed northwards towards the Hudson Strait.

Field ice was seen on July 6, in Lat. 59.00 N., Long. 60.45 W. From this position, patches of field ice were encountered on passage towards Resolution Island, where the vessel arrived on the morning of July 8. Much ice was seen at the entrance to Acadia Cove, Resolution Island, and, as a result, the "N. B. McLEAN" proceeded towards Cape Hopes Advance, where a landing was made on July 9. Later, the vessel anchored in Diana Bay. Taking advantage of open water between the shore and an ice field about 20 miles off shore on July 10, further landings were made at Cape Hopes Advance. On July 12, the vessel continued up the Strait, and, on July 13, the light on Wales Island was serviced.

The "N.B. McLEAN" then entered Wakeham Bay, and on July 16 returned to the Strait where a good channel of open water 20 miles wide was found on the south side of the Strait.

Both lights on Charles Island were serviced on July 17. The lights on Digges Island, Mansel Island and Nottingham Island were serviced on July 18.

After calling at Erik Cove on July 20, patrol of the Strait was resumed.

A landing was made at Cape Hopes Advance on July 21, from which point a course was steered for Acadia Cove, Resolution Island.

The "N.B. McLEAN" was on station at Resolution Island from July 23 to August 4, when the vessel sailed for Diana Bay. Arriving at Diana Bay on August 5, the vessel then continued on to Wakeham Bay.

On departure from Wakeham Bay on August 8, the "N. B. McLEAN" proceeded to Sugluk, and, en route, crossed the Strait to service the light on Big Island. Arriving at Sugluk on August 10, the vessel remained there until August 13. Calls were made at Ivuyivik Harbour on August 14, Nottingham Island on August 16, and Digges Island on August 17.

Leaving Digges Island on August 17, on patrol the "N.B. McLEAN" proceeded towards Bear Island, South Bay, Southampton Island. The light at Coral Harbour, Southampton Island, was serviced on August 20, and similar attention was given the light on Bear Island on August 21. Proceeding towards Mansel Island on August 23, strong southwest winds interfered with the servicing of the light on Coats Island and, as a result, the vessel steamed across Hudson Bay and arrived at Churchill on August 25.

At Churchill, between August 25 and September 8, cargo was discharged and supplies were taken on board.

From Churchill, on the morning of September 8, the "N. B. McLEAN" took the m. v. "REGINA POLARIS", which had engine trouble, in tow for Sugluk. Very fine weather prevailed during the passage across Hudson Bay, and no difficulty was experienced with the tow which was placed in a secure position at Sugluk on the morning of September 11. When transfer of cargo to the C.G.S. "C. D. HOME" was completed at Sugluk, on September 12, the "N. B. McLEAN" sailed for Coral Harbour, Southampton Island. During the passage, a patrol was made of an ice field west of Nottingham Island, where, on September 15, a landing was made.

The "N. B. McLEAN" was at Coral Harbour from September 16 to September 22. On September 22, the s.s. "NOVAPORT" was assisted through an ice field, the outer limit of which extended 25 miles to the westward of Nottingham Island Radio Station. Another landing was made at Nottingham Island on September 24. In addition, a patrol was made of the eastern side of the ice field. Continuing southward, the vessel anchored in Erik Cove in the evening.

Leaving Erik Cove on September 27, a patrol was made of the ice field north of Digges and Mansel Islands. The "N.B. McLEAN" then anchored to the west of Mansel Island, and returned to Erik Cove on October 1, where cargo was transferred to the s.s. "RUPERTSLAND".

Erik Cove was left behind on October 4 and a landing was made at Coral Harbour on October 5.

Leaving Coral Harbour on October 6, the "N.B. McLEAN" returned to Erik Cove on October 7, and continued on to Sugluk, which was reached on October 8. On this date, the vessel proceeded towards Wakeham Bay, and arrived there on October 10. At Wakeham Bay until October 13, the "N.B. McLEAN" then proceeded towards Cape Hopes Advance, where a landing was made on October 14. From this position, a course was set for Acadia Cove, Resolution Island, where, on October 17, the vessel rode out a strong westerly gale.

On departure from Acadia Cove on October 19, the "N. B. McLEAN" headed for Akpatok Island, Ungava Bay, to stand by the "ARCTIC SEALER", which was reported in trouble with a gasoline leak in the engine room. Leaving Akpatok Island on October 26, the "N.B. McLEAN" arrived at Wakeham Bay on October 27, and remained there until November 5. On this day, the "ARCTIC SEALER" was reported out and clear of Ungava Bay.

The homeward passage began with departure from Wakeham Bay on November 5, Cape Chidley was passed on November 7, and Belle Isle on November 9. Progress was retarded by stormy weather in the Gulf of St. Lawrence, and the voyage ended on the morning of November 13 with the arrival of the "N.B. McLEAN" at Quebec.

Total distance steamed 9,564 miles.

Radio Stations

Many messages of appreciation were received from masters of ships in recognition of the good work done by radio direction finding stations in the Hudson Strait.

Shipping

The 1951 season was the busiest on record. Twenty-one cargoes of grain were loaded at Churchill for overseas destinations. In addition, there were eleven sailings of coastal vessels and two of Government vessels.

HUDSON BAY AND STRAIT ICE AND BERG REPORT
SUMMER 1951

Date	Time	Remarks
JULY		
5	1.25 PM (AST)	One large berg 54.44 N - 54.55 W.
5	2:30 PM "	Two large bergs and growlers 54.54 N - 53.23 W.
5	5:00 PM "	Four big bergs 55.15 N - 55.10 W.
6	3:40 PM "	Many growlers 58.00 N - 59.20 W.
6	6:00 PM "	Many growlers 58.20 N - 59.55 W.
6	8:00 PM "	From position 58.37 N - 60.25 W small bergs and growlers in all directions seen with good visibility.
6	9:00 PM "	Strings of light scattered ice in all directions from position 58.48 N - 60.40 W as far as can be seen, with good visibility. Then some open water at position 58.53 N - 61.00 W, ice in strings as far as can be seen in all directions. Sailing through same until midnight, then open water.
7	4:00 AM "	Four big bergs 59.10 N - 61.35 W.
7	7:00 AM "	Many growlers 59.15 N and 61.50 W.
7	8:00 AM "	Two strings of ice extending from 59.30 N - 62.25 W to 60.15 N - 63.05 W.
7	9:00 AM "	Ice across the Strait, mostly heavy floes with about one third open water. Many large strings near Resolution Island.
8		From three miles South of Resolution Island on course 270° true, strings of floe ice on outer side of course as far as can be seen with many bergs of various sizes. At 10:00 AM (AST) two large bergs 20 miles Southwest from Resolution Island.
8	3:40 PM "	Two large bergs 61.16 N - 66.40 W with many growlers and scattered ice, then from last position on course 270° true, steaming through heavy open ice with numerous bergs of various sizes.
9 to 12		While at Diana Nay and Cape Hopes Advance widely open ice seen in all directions. Leaving Cape Hopes Advance for Wales Island, widely open ice from Cape Hopes Advance to 15 miles East Wales Island.
16		From Wales Island to Charles Island East end scattered heavy ice with few strings along ship's track, open water from 15 to 20 miles along South side of Strait.
17		Growlers along South side of Charles Island, most of them aground, then no ice seen West of Charles Island.
20	11:30 PM "	Two bergs 63.12 N - 74.45 W.
21	1:00 AM "	One small berg 63.04 N - 74.18 W.
21	1:40 AM "	Widely scattered growlers sighted at position 63.05 N - 74.00 W, visibility 7 miles until position 73.36 W - 63.02 N, then open water in all directions.
21	4:30 AM "	Two large bergs and growlers 62.55 N - 73.10 W.
21	7:30 AM "	Many growlers 62.44 N - 72.26 W.

Date	Time	Remarks
JULY		
21	8:00 AM (AST)	At position 62.40 N - 72.00 W to 8 miles South of Big Island, numerous bergs and growlers.
21	12:50 PM "	One berg and many growlers 62.09 N - 70.43 W.
21	2:00 PM "	Three bergs and growlers 62.00 N - 70.28 W.
21	3:00 PM "	Small bergs and growlers 61.49 N - 70.19 W.
21	4:00 PM "	Five small bergs and growlers 61.40 N - 70.10 W.
21	5:00 PM "	Two bergs and five growlers 61.23 N - 70.00 W.
22	10:00 PM "	Two large bergs and many growlers 61.12 N - 68.50 W.
23	1:00 AM "	Two large bergs 61.08 N - 67.47 W.
23	2:15 AM "	One large berg 61.07 N - 67.21 W.
23	2:30 AM "	One large berg 61.09 N - 67.15 W.
23	3:00 AM "	Four bergs of fair size 61.07 N - 67.07 W.
23	3:30 AM "	Two large and three small bergs 61.07 N - 67.56 W.
23	4:00 AM "	Three large bergs 61.07 N - 66.48 W.
23	5:00 AM "	Five growlers 61.52 N - 66.38 W.
23	6:00 AM "	Six big bergs and six growlers 61.08 N - 66.05 W.
23	7:00 AM "	Two bergs and four growlers 61.08 N - 65.55 W.
23	8:30 AM "	A narrow string of ice with growlers. Two bergs 61.07 N - 65.20 W.
23	9:00 AM "	One berg and several growlers Southwest of Resolution Island Radio Station.
23	10:00 AM "	Several bergs and growlers West of Resolution Island Radio Station.
25		Few bergs and growlers South of Resolution Island.
28		Three large bergs aground East of entrance Resolution.
29		Three large bergs, south of Resolution Island.
30		Two large flat bergs two miles South of Station.
AUGUST		
1	8:00 AM (AST)	Three large bergs and two growlers, five miles West of Resolution Island Radio Station.
1	9:30 AM "	East of Resolution Island about five miles, many small bergs and growlers.
1	10:00 AM "	Seven bergs and five growlers aground five miles West of Resolution Island.
2	8:00 PM "	One large berg 61.28 N - 66.55 W.
3	4:00 PM "	Three bergs 61.15 N - 66.35 W.
3	5:30 PM "	Three growlers 61.20 N - 65.28 W.
4	9:00 AM "	Five bergs and three growlers, five miles Northwest of Resolution Island.
4	6:00 PM "	One large berg and four growlers 61.20 N - 66.20 W.
4	7:00 PM "	One big square berg 61.24 N - 65.25 W.
4	8:00 PM "	One large flat berg 61.20 N - 66.42 W.
4	8:20 PM "	Two bergs and many growlers 61.17 N - 66.50 W.
4	9:00 PM "	Two large bergs 61.20 N - 67.00 W.
5	3:00 AM "	Two bergs 61.18 N - 69.10 W.
5	4:00 AM "	One large berg 61.08 N - 69.30 W.

Date	Time	Remarks
AUGUST		
5	10:00 AM (AST)	Two large flat bergs, five miles North of Radio Station, Cape Hopes Advance.
5	5:00 PM "	Big berg 61.29 N - 70.30 W.
5	6:00 PM "	Large flat berg 61.38 N - 70.55 W.
5	6:30 PM "	Eight growlers 61.44 N - 71.04 W.
5	7:40 PM "	Two growlers 61.48 N - 71.30 W.
5	8:30 PM "	Two bergs ten miles North of Wales Island.
9	2:00 AM "	Five large bergs, four small ones 62.21 N - 70.58 W.
9	NOON "	Ten large bergs South and Southeast Big Island, and several growlers from five to ten miles off.
9	6:00 PM "	From east end High Bluff Island, many bergs of all sizes in sight in all directions as far as twenty miles off.
9	10:30 PM "	Five large bergs 62.23 N - 71.04 W.
9	11:30 PM "	Two large bergs 62.26 N - 71.22 W.
9	11:30 PM "	Two large bergs 62.32 N - 71.52 W.
10	12.50 PM "	Five bergs in sight 62.30 N - 71.41 W, 62.28 N - 71.52 W, 62.58 N - 71.56 W.
10	1:30 AM "	Two large and one small berg 62.58 N - 72.02 W.
10	2:00 AM "	Three large bergs 62.36 N - 72.08 W.
10	4:00 AM "	Ten bergs in sight in a ten mile area 62.58 N - 73.00 W.
17	8:00 AM "	Ice in sight ten miles West of Nottingham Island Radio Station.
17		Edge of ice field in 63.00 N - 79.20 W. Ice heavy but loose packed.
18	9:00 AM "	Growlers 62.42 N - 78.25 W.
19	3:30 PM "	Sighted ice floes 62.46 N - 78.28 W and following edge extending Westerly and to 62.55 N - 78.00 W, then North to 63.11 N - 78.00 W, then Southwest edge of floes ice to 63.05 N - 83.15 W.
19	5:00 PM "	Open ice twenty miles Southeast Ruin Point.
19	8:00 PM "	Strings of heavy ice across from Ruin Point to Natine Point, then to Bear Island (Southampton).
21	2:00 PM "	Strings of ice 63.46 N - 83.18 W.
21	4:00 PM "	Open ice field 63.32 N - 82.84 W.
22		From 81.30 W - 63.00 N, heavy close packed ice to 63.20 N - 80.30 W, then fairly open in all directions to position 63.20 N - 80.10 W, then loose packed ice with one third open water at 11:00 AM. Position 63.30 N - 80.00 W. Heavy pans close packed ice to North as far as can be seen. Returning to South, steaming in scattered heavy ice as far as position 63.19 N - 80.10 W. South edge ice field 63.06 N - 80.10 W.
SEPTEMBER		
10	2:00 PM (EST)	Position 62.34 N - 79.30 W. South edge of ice field, large pans and close packed. Strings of ice ten miles Northwest of Digges Island.
12	3:25 PM "	Large flat berg 62.26 N - 76.36 W. Ice field across from Cape Pembroke to Northwest end of Nottingham Island. Heavy floe of close packed ice in all North and Northwest direction.

Date	Time	Remarks
SEPTEMBER		
23	(EST)	Edge of ice field twenty miles West of Nottingham Island Radio Station.
24	10:00 AM "	Ice field twenty-five miles West of Nottingham Island Radio Station to 62.58 N - 78.10 W, then to 62.53 N - 78.06W, then to 62.50 N - 78.00 W, to 62.42 N - 77.57 W, then open water to nine miles North of Digges Island and route North of Mansel Island clear of ice five miles North of Mansel Island. No ice East of Mansel Island.
27	8:00 AM "	Large pan of ice ten miles North of Erik Cove.
27	9:00 AM "	Few scattered pans of ice twelve miles North of Digges Island. Small strings of ice ten miles Northwest of Mansel Island Light. At position 63.36 N - 80.00 W, broken ice with about 2/3 open water.
OCTOBER		
4	11.30 PM "	Scattered ice open 63.02 N - 80.56 W.
5	MIDNIGHT "	Heavy scattered ice 63.03 N - 81.00 W. Steaming slowly up to Coral Harbour. At position 63.02 N - 81.36 W, ice fairly open and strings from Coral Harbour to thirty miles South of Bear Island, then some strings of well open ice to 63.00 N - 78.40 W.
8	NOON "	Large berg ten miles North of Sugluk.
9		One large berg in Deception Bay and a fair size berg South of Foreman Island.
10	8:00 AM "	Four bergs ten miles North of Wales Island. Three bergs five miles East of Wales Island.
14	7:00 AM "	Two growlers five miles Northeast of Cape Hopes Advance Radio Station.
16	6:00 AM "	One large berg 61.14 N - 65.26 W.
18	4:00 PM "	Two big bergs ten miles South of Resolution Island.
19	9:30 AM "	Two large bergs eight miles West of Resolution Island Radio Station.
19	11:00 AM "	One small berg twenty miles West of Resolution Island Radio Station. Two large ones fifteen miles West of Station.
21		One big berg aground North of Akpatok Island five miles off.
27	9:00 AM "	Two large bergs aground at Cape Prince of Wales.

SYNOPSIS OF NORTHERN VOYAGE EASTERN ARCTIC PATROL VESSEL C.D. HOWE - 1951
CAPTAIN A. CHOUINARD, MASTER

The vessel sailed from Montreal on the morning of June 27, anchored at Quebec in the evening, and continued down river shortly after midnight, in fine clear weather.

A call was made, on July 1, at Fuchialic Bay, north of the entrance to Hamilton Inlet, Labrador. Fog and ice retarded progress after departure on July 2, and the vessel arrived off Resolution Island Lighthouse on the morning of July 5. Later in the day, the vessel headed into Ungava Bay, where, for five hours, on July 6 and July 7, closely packed ice was encountered.

Anchoring at Koksoak River, at the southern end of Ungava Bay, on the afternoon of July 7, the "C. D. HOWE" later proceeded upstream to an anchorage where supplies were landed prior to departure for Sugluk on the morning of July 15.

Ice and poor visibility retarded progress on July 16, and Sugluk was reached on July 17, Ivuyivik Harbour on the morning of July 18, and Cape Smith on July 19.

Leaving Cape Smith on the evening of July 19, the vessel was at Pert Harrison on the east coast of Hudson Bay from July 20 to July 24, when the voyage was continued towards Churchill.

On passage across Hudson Bay, fine clear weather prevailed on July 25, with no ice in sight. On the morning of July 26, heavy field ice was encountered, and arrival at Churchill took place in the evening.

The "C. D. HOWE" left Churchill on August 9, and arrived at Coral Harbour, Southampton Island, on the morning of August 11. Leaving Coral Harbour the following midnight, field ice was encountered on passage towards Cape Dorset, Baffin Island, which was reached on the morning of August 13.

Arriving at Lake Harbour on August 15, the "C. D. HOWE" continued northward on August 18, to make calls at other places on Baffin Island, Devon Island and Ellesmere Island.

Returning to Frobisher Bay, on September 6, the "C. D. HOWE" sailed on September 9 for Sugluk. The "N. B. McLEAN" was at Sugluk when the "C. D. HOWE" arrived on the evening of September 11.

On September 12, the "C. D. HOWE", with the "REGINA POLARIS" in tow, left Sugluk and steered for Lake Harbour. The "REGINA POLARIS", with defective machinery, had been towed by the "N. B. McLEAN" from Churchill to Sugluk.

Arriving at Lake Harbour on September 13, both vessels left on September 15, and, on September 16, entered Frobisher Bay.

When "REGINA POLARIS" was secured in Daniel Bay on the morning of September 16, the "C. D. HOWE" continued on to the post near the head of Frobisher Bay and arrived there in the afternoon. Leaving this position on the afternoon of September 17, the "C. D. HOWE", that night, again took the "REGINA POLARIS" in tow at Daniel Bay and proceeded towards Quebec.

The passage down the Labrador coast was uneventful and, on September 21, Belle Isle was passed in clear weather.

Strong winds and rough seas retarded progress in the Gulf of St. Lawrence, and the voyage ended when the "C. D. HOWE", with "REGINA POLARIS" in tow, arrived at Quebec on the morning of September 28.

S.S. NOVAPORE

SYNOPSIS OF REPORT BY CAPTAIN J.E. BELANGER, MASTER

The vessel sailed from Halifax on August 31st with a full cargo destined to Coral Harbour, Southampton Island.

The passage Northward by way of the Gulf of St. Lawrence and the Belle Isle Strait, was uneventful. In Lat. 60.00 N, Long. 30.30 W., a few icebergs and growlers were seen and foggy weather prevailed.

Entering the Hudson Strait, September 6, Radar was used to good advantage to steer the vessel a safe distance off numerous icebergs and growlers. The weather was good except for a few snow flurries and rain. On passage Westward through the Strait, the last icebergs were seen in the vicinity of Charles Island.

An icefield was encountered September 7, in Lat. 63.03 N., Long. 79.30 W. Later, the ice was found to be so closely packed that no progress could be made through it.

Friendly advice by Radio from the master of the C.G.S. N.B. McLean, and circuitous courses steered, helped the Novaport to keep clear of heavy ice and find open water. After steaming through open leads in other ice formations, the vessel arrived at Coral Harbour, Southampton Island, on the afternoon of September 10.

Strong winds delayed the discharging of cargo, but no ice was seen at the anchorage. On September 22, with the assistance of the C.G.S. N.B. McLean, the Novaport, in fine clear weather, steamed through the ice field off Nottingham Island, on the return trip to Montreal.

During the passage Eastward from Nottingham Island to Resolution Island, there were frequent snow flurries and many icebergs were seen, but after clearing the Eastern end of Hudson Strait, on September 25, no further ice came in view.

Good weather prevailed on the passage down the Labrador Coast, and on October 2, the Novaport arrived at Montreal.

This was the first voyage of Captain J.E. Belanger to the Hudson Strait. He expressed warm appreciation of the assistance and advice given by Captain C.A. Caron, Master of the C.G.S. N.B. McLean, and of the helpful co-operation of the staffs of radio and radio direction finding stations in the Hudson Strait.

EXTRACTS FROM LOG, HALIFAX TO HUDSON BAY

Date	Noon Position		Barometer		Temp. F		Wind True		Vis.	Remarks	
	Lat. N	Long. W	8 a.m.	4 p.m.	4 a.m.	8 p.m.	4 a.m.	8 p.m.		am	pm
Aug. 31	44	55	29.95	29.94	60	82	3	WNW	3	7	02.00 Departed from Halifax
Sep. 1	48	52	29.83	29.82	54	74	4	NW	4	6	Part. cloudy, clear
2	51	11	30.03	30.19	48	56	8	NE	8	6	Cloudy, clear
3	53	39	30.13	30.10	43	59	2	N	2	8	Part. cloudy, clear
4	57	02	29.82	29.70	42	60	1	SSE	3	8	Cloudy, clear
5	60	16	29.59	29.64	36	43	3	NW	3	5	0'cast, dense fog
6	62	00	29.50	29.40	34	38	3	NV	3	5	0'cast, clear
7	62	55	29.53	29.56	32	36	3	NW	3	7	Ab. Resolution Isd. Cloudy, clear
8	63	00	29.60	29.58	33	47	2	NW	2	6	Charles Island Cloudy, clear
9	62	22	29.79	29.84	37	42	1	NW	2	7	Part. cloudy, clear
10	63	14	29.90	29.98	38	45	1	W	1	7	Part. cloudy, clear
11	Coral	Harbour	29.99	29.99	40	68	3	SW	3	7	18.00 arr. Coral Harbr. Fine, clear
12	Coral	Harbour	29.96	29.99	38	52	3	SE	3	7	Cloudy, clear
13	Coral	Harbour	29.94	29.80	36	40	2	SE	5	6	Cloudy, clear
14	Coral	Harbour	29.24	29.18	36	42	10	SE	4	5	0'cast, mist
15	Coral	Harbour	29.08	29.12	34	36	8	NE	8	5	0'cast, snow flurries
16	Coral	Harbour	29.37	29.58	36	40	5	WSW	4	3	0'cast, light rain
17	Coral	Harbour	29.64	29.61	34	40	1	W	2	3	0'cast, clear
18	Coral	Harbour	29.74	29.80	36	38	1	SE	1	6	Part. cloudy, clear
19	Coral	Harbour	29.84	29.87	36	38	1	N	1	7	Part. cloudy, clear
20	Coral	Harbour	29.92	29.94	32	40	1	NW	1	8	Part. cloudy, clear
21	Coral	Harbour	29.86	29.80	34	38	2	S	2	8	Cloudy, clear
22											07.00 departed Coral Harbour

EXTRACTS FROM LOG, CORAL HARBOUR TO MONTREAL

Date 1951	Neon Position		Barometer		Temp. F°		Wind True		Vis.		Remarks		
	Lat. N	Long. W	8 a m	4 p m	Mid.	Max. Min.	4 a m	8 p m	Mid.	a m	p m		
Sept. 22			29.83	29.91	29.94	42	34	NE 2	ESE 2	2	6	7	O'cast, clear
23	63	04	29.96	29.98	29.98	38	30	NE 1	SE 2	2	6	6	O'cast, clear 20.30 ab. Nottingham Isd.
24	62	35	29.98	29.98	29.93	42	34	ESE 2	ESE 2	2	7	7	Cloudy, clear
25	60	59	29.85	29.82	29.87	50	34	ESE 3	E 2	3	6	6	Part. cloudy, clear 09.20 ab. Resolution Island
26	57	41	29.93	29.78	29.64	42	32	SSE 1	SSE 3	5	6	6	O'cast, clear
27	56	26	29.69	29.84	30.00	48	41	E 8	NE 7	6	6	5	Part. cloudy, clear
28	51	44	30.07	29.75	29.55	56	40	W 2	SW 2	3	5	5	Cloudy, rain, mist foggy

Arrived Montreal October 2.

M.V. REGINA POLARIS

SYNOPSIS OF REPORT BY CAPTAIN JAMES ROSS, MASTER

The vessel left Montreal on the evening of July 15th, and sailed from Quebec on the afternoon of July 16, bound for Mission stations in Hudson Bay.

Clearing the Belle Isle Strait on the evening of July 19, visibility was good and no ice was in sight.

Southerly gales and rough seas were encountered on passage up the Labrador coast, and many large icebergs were passed. The vessel entered Hudson Strait in dense fog on the afternoon of July 22. Radio bearings from Resolution Island and soundings were used to determine the vessel's position.

When the fog cleared on the afternoon of July 22, the high land at Cape Chidley was in sight, bearing 162° , distant approximately twenty-five miles. That night, ten large icebergs within a range of three miles, were passed in good moonlight.

A course was set to pass between Charles Island and the mainland. When the vessel was approaching Cape Wiggs, fog descended suddenly, but with Gyro compass correct and the new magnetic compass surprisingly well behaved, as indeed it has been during the voyage, course was maintained. After thirty minutes the fog lifted and the vessel was found to be in correct position in the middle of the channel. No further ice was encountered as the vessel passed South of Nottingham Island where a Northerly gale was blowing and the sea was rough.

By the time the vessel had arrived off Cape Pembroke (northern end of Coats Island) the weather had improved and good progress was made. Passing North of Bencas Island, good progress was made across the Fisher Strait.

Defects in the main engine caused the Regina Polaris to stop on the afternoon of July 25. After fifty minutes delay, the vessel proceeded on seven of the eight cylinders of the main engine.

Arriving at Spurrell Harbour on July 26, the vessel sailed on July 28 for Tavanni.

Some difficulty was experienced entering Tavanni Harbour on the night of July 29, as the local knowledge of the Eskimo pilot seemed to be imperfect. On the morning of July 30, the Regina Polaris anchored in a position about three miles from Morrso Island beacon. The weather was good, and in the afternoon the motor boat was despatched to Morrso Island with three barges in tow. All of the Tavanni cargo had been discharged in the barges. The motor boat returned later in the afternoon, and the Regina Polaris sailed for Eskimo Point.

Anchoring off Eskimo Point, on the afternoon of July 21, all cargo had been discharged and empties loaded. On August 1, when the vessel sailed for Churchill on the early morning flood tide, engine vibration caused speed to be reduced. Later in the afternoon, in a position Lat. 59.42 N, Long. 43.30 W., a heavy ice field was avoided by altering course to the Westward. The ice field stretched Eastward as far as the eye could see.

When about fourteen miles from Churchill on the evening of August 1, a strong Northerly gale sprang up, accompanied by a very rough sea. It

was then decided, on account of the defects of the main engine, to head the vessel into the sea to maintain a safe distance off shore. Early in the morning of August 2, the gale abated and a course was set for Churchill, where the vessel arrived at 9.00 a.m.

At Churchill, the ship's engineers gave attention to the mechanical defects in the main engine, and after loading was finished, the Regina Polaris sailed at daylight on August 5 for Southampton Island.

Shortly after departure, when the engines were put at full speed ahead, heavy vibration and unusual noise came from the region of the tail shaft. The engine was stopped to allow the engineers to make an examination. On getting under way again at 11.20 hours, the vibration and noise continued and, as a result, the vessel returned to port.

In Churchill, on August 6, a diver inspected the propeller, and, with the exception of the port rope-guard rubbing on the propeller boss, everything appeared to be in order. The engine timing and alignment were checked, and in the late afternoon of August 7, the engine was run at high speed for two and one-half hours. No vibration or noise having occurred at this time, the Regina Polaris sailed at 20.10 hours from Churchill. When the vessel cleared the harbour, the engine was put at full speed ahead and the previous symptoms of defect were heard. The vessel then returned to port for further examination.

Placing the vessel on a sandy beach at high water, arrangements were made at low water to remove the rudder and propeller. When this was done, it was found that the muff coupling was loose. In addition, two slight bends were found in the tail shaft when it was examined in the work shop of the National Harbours Board.

The defects were such that on September 8, the C.G.S. N.B. McLean took the Regina Polaris in tow for Sugluk. Arriving at Sugluk on September 11, departure followed on September 12, when the vessel in tow of the C.G.S. C.D. Howe sailed for the St. Lawrence.

On September 25, the Regina Polaris was delivered safely at Quebec to end another voyage to Hudson Bay.

S. S. HEGONIA
REPORT BY CAPTAIN R. REEKIE, MASTER

The vessel sailed from Avonmouth on 12th August, 1951. Passed Cape Farewell, Greenland, ninety-five miles off in foggy weather and sighted two icebergs in that vicinity.

14th August - when fifty miles Eastward of Resolution Island, bergs were again in the vicinity as shown on the Radar and some were sighted. Resolution Island Lighthouse was passed at 21.30, six miles off in foggy weather.

15th August - in foggy weather many bergs were shown as Radar targets. Weather cleared at 6.00 a.m., vessel proceeding in Hudson Strait on ordinary steamer track towards Charles Island. Many bergs and growlers were sighted on both sides of and on the track.

16th August - at 2.00 a.m., Charles Island abeam five miles. Many bergs to the Northward of the track but none within ten miles from the Island and also clear water all the way to the Southward. Weather overcast with fog patches all day. Digges Island and Mansel Island not sighted. No bergs here but some small pieces of ice sighted but nothing heavy.

17th August - vessel proceeding in Hudson Bay in fine clear weather.

18th August - arrived off Churchill at 1.30 p.m., and ship was all fast alongside at 3.30 p.m.

22nd August - 8.30 a.m., left Churchill in fine clear weather bound Eire.

23rd August - in Hudson Bay, fine clear weather.

24th August - 12.30 p.m. Fog. Mansel Island and Digges Island were passed close but seen on the Radar only. Heavy pan ice was reported to the Northward here with one ship stopped amongst it.

25th August - fog continuous until 7.15 a.m., when it cleared. Charles Island was rounded four miles off and there were many bergs to the Northward of the track but none on or to the Southward of the track. Course was set for a position fifteen miles North True from Cape Hopes Advance. Weather remained fine and clear and this position was reached at 20.30 hours, when the course was altered to pass Resolution Island fifteen miles. On route Charles Island to Cape Hopes Advance a strong following tide was experienced. Many bergs were sighted to the Northward of this track but none to the Southward or on the track until getting down near to Cape Hopes Advance position when the bergs were very numerous on all sides.

26th August - fine and clear. Resolution Island Lighthouse was passed fifteen miles off at noon and numerous bergs were passed until about sixty miles from the land.

27th August - fine and clear. No bergs sighted.

28th August - fog patches early morning but clear all day.

29th August - Cape Farewell, Greenland, passed about noon ninety-five miles off. Four bergs sighted in the vicinity.

30th August - fine and clear. No bergs sighted.

5th September - vessel arrived at Cork, Eire.

This was not a difficult voyage as the weather remained very fine when in the dangerous waters, and although there was some fog there was really less than what may have been expected.

Wireless bearings were taken from Resolution Island, Cape Hopes Advance, Nottingham Island, and Churchill for positions, but Radar, Gyro Compass, and Echo Sounding machine on board are of great value on this voyage. The Magnetic Compasses were fairly steady on the outward passage but on the homeward passage they were off fully 180 degrees.

EXTRACTS FROM LOG, AVONMOUTH TO CHURCHILL

Date 1951	Neon Position		Time	Remarks
	Lat. N	Long. W		
Aug. 6			0245 0350	Abeam Lundy Island Lighthouse Abeam St. Govans Light vessel. Light breeze, smooth sea, mod. head swell, fine, clear, cloudy
	51	20	7 06	Light breeze, slight sea, fine, clear
Aug. 7	52	22	12 56	Abeam Fastnet Light Vessel. Moderate breeze, sea and swell. Clear, cloudy. Moderate breeze, sea and swell. Occasional showers, clear.
			0400 0215	Abeam Bull Light Abeam Great Skillig Light. Moderate breeze, slight sea, fine, clear, cloudy.
Aug. 14	60	58	61 58	Moderate breeze and sea heavily overcast, foggy weather.
			2130	Abeam Resolution Island Lighthouse. Light breeze, slight sea and swell. Overcast, rain, fog patches.
Aug. 18	58	59	93 50	
			1415	Pilot boarded and proceeded into Churchill Harbour.

EXTRACTS FROM LOG, CHURCHILL TO EIRE

Aug. 22			0905	Pilot left off Churchill Light breeze, slight sea, fine, clear
Aug. 25	59	06	92 27	Abeam Cape Moses Oates Lighthouse. Mod. breeze, smooth sea.
			0800	Abeam Outer Island, Moderate breeze, sea and swell, clear, cloudy
	62	64	71 54	Light breeze, slight sea, fine and clear.
Sep. 4	57	41	10 43	
			2252	Mod. breeze and sea, heavy swell, O'cast thick fog, BOT regs attended to.

M.V. CHARLES L.D.
REPORT BY CAPTAIN G. PIQUET, MASTER

Leaving Civitavecchia (Italy) on August 10, and bunkering at Gibraltar on August 13, the vessel sailed for a point one hundred miles South of Cape Farewell, Greenland, and then to Hudson Strait.

A large number of icebergs and growlers were seen in the Strait on August 23, and at 13.20 hours, Charles Island was abeam. Later, fog slowed progress, and on August 24, the vessel continued at various speeds. At 9 a.m., a radio bearing from Nottingham Island placed the vessel twenty-four miles 235° from the radio direction finding station on the Island. Various courses were steered looking for clear leads in field ice at this position. During the day, there was dense fog and numerous growlers, which caused two propeller blades to be bent.

About 17.00 hours, progress was made through the ice field, and visibility improved. Later, thick fog retarded progress. At 18.55, the vessel cleared the ice field. A radio bearing from Nottingham Island gave 237° , and a sounding, 190 fathoms. At 19.30 hours, visibility improved and the vessel proceeded at full speed.

Mansel Island bore 152° , distant twelve miles, at 21.10, and no further ice was seen on the passage to Churchill.

Arrival at Churchill occurred on the morning of August 26. Loading began on the morning of August 27, and was completed on August 28, when the vessel sailed at 15.00 hours for Antwerp, Belgium.

A cordial welcome was given by the port authorities, and loading was facilitated by the helpful co-operation of port officials and stevedores. Two sick members of the crew were given excellent medical care by a medical officer from the nearby Military Base. The Master of the C.G.S. "N.B. McLean" which was in Churchill at the time, gave valuable advice on navigation of the Bay and Strait for the return trip.

On August 29, a Northeast wind, force 8, with heavy sea, was encountered. Visibility was moderate. At noon Mansel Island was seen at a distance of four or five miles.

Diggs Island was seen at 14.15 hours, on August 29, with no ice in sight. Thick fog was encountered at 17.00 hours, with light Northerly wind and smooth sea. Speed was reduced, and from time to time the vessel was stopped on account of the numerous icebergs which were seen during clear periods.

Resolution Island was passed at 13.50 hours on September 2, during a period of fine clear weather. Several large icebergs were seen in the afternoon.

Navigation Reports and Radio Bearings:

Contact was made with the "N.B. McLean" on August 22, when information was received on ice conditions. On the following days, detailed messages relating to navigation were received from the patrol vessel. Good radio bearings were received on August 22 from Resolution Island and Cape Hopes Advance. Nottingham Island radio direction finding station on August 24 responded promptly to calls for bearings.

The Churchill radio direction finding station gave a correct bearing at 12.05 hours, on August 26.

Radio bearings received from Nottingham Island, on August 30, were particularly useful at the Western entrance to Hudson Strait. These bearings were good when checked with shore bearings taken at this time.

Between 13.32 and 16.20 hours, on August 31, several radio bearings were received from Resolution Island and Cape Hopes Advance, all of which gave excellent results.

The radio staff at all the radio direction finding stations in the Strait and Bay were most cooperative, and helped to make navigation easier.

EXTRACTS FROM LOG, CIVITAVECCHIA TO PORT CHURCHILL

Date 1951	Noon Position		Baro.	Air	Water	Wind	Remarks
	Lat. N o ' o'	Long. W o ' o'					
Aug. 22	60 49	62 08	758	4	1	W 6	1800 Button Island
Aug. 23	62 30	73 06	761	8	3	ESE 2	1130 Charles Island in sight. Vis. 25'
Aug. 24	62 49	78 21	753	5	0	ESE 2	Ship in ice field
Aug. 25	61 07	86 05	759	12	8	SW 2	Fine clear weather

EXTRACTS FROM LOG, PORT CHURCHILL TO ANTWERP

Aug. 29	60 35	87 01	762	7	7	N 6	Rather heavy sea
Aug. 30	62 34	79 15	755	3	0	NNE 8	Visibility 3 miles
Aug. 31	62 05	70 53	753	7	5	Calm	Fog
Sep. 1	61 09	65 33	764	8	8	E 3	Visibility unsettled
Sep. 2	59 43	58 51	765	7	7	NNW 4	Fine weather

(Barometric pressures are expressed in centimetres and temperature of air and water is expressed in degrees centigrades).

S. S. CLINTONIA
REPORT BY CAPTAIN J. DAVIDSON, MASTER

Resolution Island was passed at 18.13 hours, September 4, 1951, at a distance of fourteen and a half miles. Weather at the time, Light Northwest wind, smooth sea, good visibility. Course set to pass three miles off Cape Moses Oates.

The O.G.S. "N.B. McLean", on September 3, reported numerous bergs and growlers in the Strait. The weather from Resolution Island to Charles Island was moderate and fresh Northwest to Northeast winds, moderately rough sea, drizzle and fog patches, visibility poor at times. The Decca Radar was on the whole time for this passage through the Strait. Numerous bergs were picked up at ranges from ten to fourteen miles, dependent on size and shape; one very large berg we passed when visibility was excellent was picked up at nearly eighteen miles. Growlers were picked up at two to five miles, dependent on size and shape. For the passage through the Hudson Strait, our Decca Radar proved of immense value, and I cannot speak too highly of its performance.

At 10.30 hours, 5th September, Cape Moses Oates was abeam four miles on our Radar screen, the unwatched light visible twenty miles was not seen until abaft the beam and then only with the aid of the binoculars. At 22.00 hours the Northwest corner of Charles Island was abeam three miles and course was set for Digges Island.

This September passage through the Hudson Strait I found comparatively easy thanks to the grand performance of the Radar. The radio bearings from Cape Moses Advance and Resolution Island proved fairly accurate.

From Charles Island to Digges Island the high mainland gave very good echoes at twenty-five miles, and the picture on the screen at ten and twenty-five miles were very clear. No ice was located between Charles and Digges Islands.

We passed three miles and a half off Digges Island and then set course to pass three miles off Mansel Island. Mansel Island is not a good Radar target as it is very low. The Island was picked up at about eight miles.

We were abeam of Mansel Island at 11.50 hours on the 6th September, three miles off. From this position to about ten miles on a 245 degrees course scattered pieces of small ice were met with, the pieces being so small I doubt if they would have done any damage if a ship had come in contact. From Mansel Island to Port Churchill no ice was seen.

On 7th September, about midway between Mansel Island and Port Churchill encountered a strong gale (Variable Southwest to North), this lasted about ten hours. Rapid fall and rise of the barometer. Radio bearing from Port Churchill proved very accurate. The elevator at Port Churchill was picked up at seventeen miles on the Radar screen.

On the return voyage from Port Churchill, no ice was seen until some ten miles passed Charles Island in the Strait. Numerous bergs and growlers were seen right up to Resolution Island, as before the Radar again picked them up at good range. Weather through the Strait homeward was light variable winds, smooth sea and good visibility.

As a first-voyager to Port Churchill through the Strait and Bay, I must say the September voyage provides little difficulty. The friendly advice from the master of the C.G.S. N.B. McLean, and co-operation of the radio station staffs enroute, and the various reports from ships in the vicinity, the full co-operation of the shore staff at Port Churchill, where a very friendly feeling exists, all tend to make the voyage highly successful.

With our various instruments (Gyro, Gyro Repeater, Bearing Repeater, Echo Sounding, Clear view screens and Decca Radar), one has a feeling of security and confidence at all times.

As I arrived and sailed during daylight hours, I cannot report on the lights of the port.

Passed Resolution Island inwards 4th September, 1951.

Passed Resolution Island outwards 17th September, 1951.

EXTRACTS FROM LOG, ANTWERP TO PORT CHURCHILL

Date 1951	Noon Position		Dist- ance	Remarks		
	Lat. N	Long. W				
	o	'	o	'		
Aug. 24					Left Antwerp	
Aug. 24					Fresh SW winds	
Aug. 25	50	31	00	37	149	Strong SW winds
Aug. 26	49	49	05	53	208	Strong SW winds
Aug. 27	50	36	08	30	118	Strong SW winds
Aug. 28	52	05	13	00	188	Strong SW winds
Aug. 29	53	57	18	55	242	Gentle NW winds
Aug. 30	55	32	25	23	245	Gentle NW winds
Aug. 31	57	05	32	35	259	Gentle NW winds
Sep. 1	57	43	40	43	268	Fresh ENE winds
Sep. 2	57	30	47	40	221	Fresh NE winds
Sep. 3	59	01	55	03	251	Fresh NW winds
Sep. 4	60	34	63	10	271	Light Variable
Sep. 5	62	08	71	28	255	Mod. Fresh NW winds
Sep. 6	62	29	79	40	240	Same
Sep. 7	60	39	87	02	239	Strong to Gale SW to N.
Sep. 8					226	Moderate SE wind Arrived Port Churchill

EXTRACTS FROM LOG, PORT CHURCHILL TO LIMERICK

Sep. 12						Left Port Churchill
Sep. 13	60	31	88	23	205	Fresh NE winds
Sep. 14	61	25	84	29	125	Fresh NE winds
Sep. 15	62	42	77	22	216	NE gale
Sep. 16	61	43	68	51	246	NE gale decreasing
Sep. 17	60	36	61	07	238	Light SW winds
Sep. 18	59	40	53	55	223	Fresh ENE winds
Sep. 19	58	50	47	49	194	Fresh ESE winds
Sep. 20	58	14	42	20	176	Strong ESE winds
Sep. 21	57	29	35	20	228	Strong ESE winds
Sep. 22	56	41	28	34	226	Mod. W. winds
Sep. 23	55	18	21	54	240	Mod. W winds
Sep. 24	53	55	16	00	222	Light Airs
Sep. 25					243	Fresh SW winds Strong WSW winds Arrived at Limerick

M. V. CORALLO
REPORT BY CAPTAIN E. BILO, MASTER

Vessel sailed from Rotterdam in ballast on August 25. Great circle course was followed from Bishop Rock to one hundred and ten miles South of Cape Farewell. The Hudson Strait was entered in the morning on September 3rd.

From Cape Farewell to Resolution Island, weather was good but extensive fog patches were encountered. The first berg was sighted ninety miles from the entrance, and few bergs and growlers between Resolution Island and Butten Island. Strong current sets South-Eastward was experienced in the entrance.

After entering Hudson Strait, bergs and growlers were sighted and pick-up on the Radar anywhere until east of 72 degrees West. Fifteen hours of dense fog was recorded in the Strait itself. No current was noticed.

After passing Charles Island, no ice was encountered until reached Mansel Island where very heavy pan ice was visible from Island to the horizon. Vessel made her way dodging small pans of various shapes and sizes for forty-five minutes.

From Mansel Island, the voyage continued in good condition and vessel reached Port Churchill in the morning on September 6, having encountered no ice since entered Hudson Bay.

Vessel sailed from that port in the morning on September 9. Ice pack was reported off Mansel Island and it appeared that the main steamer track was blocked so that speed was reduced in order to make the Island during day light. Between Mansel Island and Digges Island, field-ice was encountered and we had to work hardily in dodging floes and pans.

Hudson Strait was passed in fine weather and good visibility. After passing Charles Island, bergs and growlers were encountered as usual. Button Island was made in the evening on September 12.

To Cape Farewell voyage continued in fine weather and good visibility. Few bergs out the Strait and the last one eighty miles from the entrance.

Vessel reached Amsterdam in the afternoon on September 21.

Areas of large magnetic disturbance were observed in the Strait and Hudson Bay particularly on the track Mansel Island-Churchill. I am bound to admit that for safe navigation in these waters the Gyro compass is an essential piece of equipment.

The bearings from the shore direction finding stations were accurate enough, and all radio stations gave good service. An additional direction finding station on Charles Island would be of great help for a good straight lead up the Strait.

I take this opportunity to thank all the operators of the radio stations for their valuable assistance. Many thanks also to the master of the N.B. McLean for the assistance in giving ice information and friendly advice.

EXTRACTS FROM LOG, ROTTERDAM TO CHURCHILL

Date 1951	Noon Position		Wind	Sea	Baro. inch	Temp. F	Remarks
	Lat. N	Long. W					
Aug. 25	0	0					Left Rotterdam 02.12 pm.
Sep. 3	61 35	68 04	E.2	E.2	29.85	41	Abeam Resolution Is. 04.27 am. Dense fog during day & night. Passed many bergs.
Sep. 4	62 42	77 34	NW.4	NW.4	29.79	38	No ice from Charles to Mansel. Passed through loose ice for 45 minutes off Mansel Isld.
Sep. 5	60 41	88 07	NEE.6	NNE.6	29.82	43	Clear sky. Good visibility, no ice sighted on track to Churchill.
Sep. 6	-	-	-	-	-	-	Arrived Churchill 07.34 am.

EXTRACTS FROM LOG, CHURCHILL TO AMSTERDAM

Date 1951	Noon Position		Wind	Sea	Baro.	Temp. F°	Remarks
	Lat.N	Long.W					
	o '	o '					
Sep. 9							Left Churchill 11.36 a.m. Fine weather, good visibility
Sep. 10	60 54	85 40	S 3	S 3	29.97	38	No ice in sight. Partly cloudy, Good visibility.
Sep. 11	62 41	77 43	SE 4	SE 4	29.99	40	Abeam Mansel Island 07.45 a.m. Field ice, scattered pieces of ice from Mansel to Digges Islands. Good visibility.
Sep. 12	61 10	68 16	E 5	E 5	29.90	38	Abeam Button Island, 08.47 p. m. Good visibility. Many bergs in the Strait.
Sep. 13	60 03	58 17'5	N 4	N 4	30.00	42	Three bergs out of Strait. Good visibility. Fine weather
Sep. 21							Arrived at Amsterdam 12.54 p.m.

M.V. ITALMARE
REPORT BY CAPTAIN R. BASSO, MASTER

Sea passage from Gibraltar to a position in Latitude 50° 49' N., Longitude 38° 28' W, was made in favourable, moderate and clear weather free from ice.

From the latter position to one day before Churchill, winds were light, with dense fog, and speed progress was made with the aid of Radar.

A landfall was made near Resolution Island a position ten miles N 20° E, in fog, date 2nd September, 1951.

From then on until Big Island was passed, large bergs accompanied by small growlers were to be seen easily with Radar; while numerous bergs were noted along the Baffin Island coast and round the shores of Big Island.

Beyond Big Island the rest of the route to Churchill was entirely clear of ice. The port itself was easily made, the pilot boarding and disembarking without difficulty.

On the return trip weather was clear. Bergs were sighted well to the Northeast of Charles Island and in the centre of the Strait in the vicinity of Big Island.

Magnetic disturbance around this area and to Churchill was very great and all the magnetic compasses were useless.

Gyro is a master's best friend on this route.

Radio service was very good and co-operative.

In closing, a few words of praise must be said for the port Authorities and the master of "N.B. McLean" for co-operation made during the stay in Churchill.

M.V. ITALSOLE
REPORT BY CAPTAIN A. MERLANO-BERSIA, MASTER

From sixty miles South of Cape Farewell to forty miles East of Resolution Island no bergs or growlers were sighted by eye or by Radar. Both passages from Resolution Island to Digges Island, and back to Resolution Island, we sighted, by eye and by Radar, many bergs; some are reported in my log, some not; but all bergs were reported to the nearest Radio Station in Hudson Strait. No ice was sighted, in both passages, in Hudson Bay.

Enroute to Port Churchill, the C.G.S. H.B. McLean was not in the Strait; I have seen the icebreaker near Digges Island on the evening of September 10th, towing one small ship from Churchill. When back from Churchill the H.B. McLean was anchored in on bay north of Nottingham Island.

The ice reports from the radio stations of Resolution Island, Cape Hayes Advance and Nottingham Island relate only the ice in sight of the stations and those reported by ships some days before. In both passages I met several bergs not reported by the stations or by the H.B. McLean.

For the safety of the navigation in the Strait I suggest a patrolling service by fast travellers between Resolution Island and Digges Island, and vice versa, especially when ships are waited. The ice reports should be more accurate.

EXTRACTS FROM LOG, ROTTERDAM TO CHURCHILL

Date 1951	Moon Position		Time	Remarks
	Lat. N	Long. W		
Aug. 31	°	'	18.00	Sailed from Rotterdam
Sep. 3	52	33		Strong WSW wind
Sep. 6	56	23		Strong W wind
Sep. 9	61	00	08.00	Sighted one iceberg
			12.00	Sighted two icebergs
			13.00	Very poor visibility - Radar inserted
Sep. 10	62	38	13.40	Abeam Resolution Island (sighted by Radar) All night with Radar inserted
			06.00	Radar stopped
			09.20	Abeam Charles Island. Huge iceberg sighted
			11.07	Abeam Charles Island east point. Good visibility
Sep. 11	60	38	16.00	Sighted long icefield
			19.00	Abeam Digges Island
Sep. 12			11.00	Good visibility - no ice in sight
			11.00	Anchored at the out buoy of Churchill
			15.30	Moored at Churchill elevator

EXTRACTS FROM LOG, CHURCHILL TO AMSTERDAM

Date 1951	Neon Position		Time	Remarks
	Lat. N	Long. W		
Sep. 18	• ' 0	• ' 0	18.00	Sailed from Churchill
Sep. 19	60 27	88 44		Fine weather, good visibility. No ice sighted
Sep. 20			08.20 11.10	Poor visibility - Radar inserted
	62 33	79 38	15.00 20.40 24.00	Abeam Digges Island - no ice sighted Fog patches - Radar inserted
Sep. 21			22.11 00.05	Abeam Charles Island Light of Cape Moses Oates 220° miles 10
	61 52	69 00	10.30	Sighted two icebergs
			13.00 14.14 15.20	Huge iceberg sighted Huge iceberg sighted Fog Radar inserted. From 15.20 to midnight sighted by Radar several bergs
Sept. 22			22.34	Abeam Resolution Island Radar inserted from midnight to 5am
			00.15	Sighted by Radar one iceberg
Oct. 1	60 29	60 03	08.00	Visibility 5 miles - Wind NE 3 Arrived Amsterdam

M.V. LA SIERRA
REPORT BY CAPTAIN R. EYRE-WALKER, MASTER

The vessel sailed from Hull, in ballast, on 18th August, 1951.

Excellent steaming conditions were experienced until after passing Cape Wrath at 20.40, 19th August, after which generally adverse weather was experienced with winds of moderate gale force or over being experienced at periods on the following dates: 20th, 21st, 22nd, 23rd, 24th and 25th August.

Vessel passed sixty miles South of Cape Farewell on 23rd August, sighting two icebergs. No further ice was observed until approaching the entrance to Hudson Strait. From Resolution Island, which was passed at 01.20, 26th August, to Charles Island, bergs and growlers were plentiful. Dense fog was experienced from 06.22 to 11.30, 26th August, after which visibility became excellent. Refraction was abnormal. Charles Island was passed at 21.45, 26th August.

Radio advice had been received to the effect that an extensive ice field existed between Bell Peninsula and Digges Island. The ice field was approached at daybreak 27th August and an effort made to locate a way around the field. None being found the vessel was taken into the most promising lead, of which, at this stage, there were many. These leads soon grew fewer and petered out, the vessel then having to push through heavy ice. Considerable difficulty was experienced in handling the vessel, in ballast trim, at minimum speed in the fresh breeze. The wind dropped and dense fog was encountered at 15.00. Vessel was thereafter navigated on Radar which on the one mile range gave excellent results. The field was cleared at 17.42, 27th August.

Fog cleared at 00.30, 28th August. Shore lights were observed at approximately twenty miles range, which subsequently proved to be the lights of the Army Base and are most misleading, particularly to the mariner making his first voyage into Hudson Bay. I would suggest that the Fixed White Light (which is most inconspicuous compared to the Army Base lights) be changed to Flashing or Occulting, and until this is done would strongly advise mariners, other than those with considerable local knowledge, not to attempt to make Churchill during the hours of darkness. The flashing Fairway Buoy was sighted at approximately five miles and vessel duly anchored inside this buoy.

The vessel was berthed at 07.45, 29th August, and loading commenced at 09.20, 30th August; 8,922 tons wheat in bulk being lifted under excellent weather conditions. The cheerful and willing co-operation of all departments at Churchill was most marked and made the excellent turn-round of the ship possible. During the vessel's stay at Churchill, the master of the C.G.S. H.B. McLean gave me much valuable information and advice.

Vessel left the berth at 16.20, 30th August, homeward passage commencing at 17.00 under excellent conditions and visibility. The grain elevator is most conspicuous in daylight, being visible, on this occasion, at more than twenty miles.

It was thought that there would be a clear passage around the Southeast side of the ice field as two vessels had passed within five miles of Mansel and Digges Islands during the previous twenty-four hours without sighting ice. Course was accordingly set for a position five miles off Mansel Island light. Reaching this position at 03.55, 1st September, the ice field was sighted, having drifted a considerable distance to the Southward since the outward passage of this ship. It was found that the ice extended right to the shore near Mansel Island Light but at about three miles off shore appeared to be narrow with clear water beyond. This arm of ice was entered at 05.12 and by 07.20 vessel had penetrated about three miles of heavy ice and moved into relatively clear water. Thereafter it was possible to steam around the remainder of the field contact with which was lost at approximately 10.30.

Excellent conditions and visibility continued until passing Charles Island at 18.20, 1st September, when dense fog was encountered and many bergs showed on the Radar screen after 21.00 - twenty-six bergs being passed within five miles of the ship during fifteen miles steaming. Vessel passed out of Hudson Strait at 18.18, 2nd September. Extensive fog patches were encountered throughout the Strait and as far East as Longitude 58 West. Many bergs and growlers were encountered throughout the Strait and as far as Longitude 58.30 West. During both inward and outward passages D/F bearings from Resolution Island, Cape Hopes Advance and Nottingham Island proved reliable and the stations' staff most obliging and cooperative.

Vessel passed sixty miles south of Cape Farewell sighting four growlers close together at 12.40, 4th September, when south of the Cape. At this stage it was decided to take the northern route, via Pentland Firth, to Rotterdam, in the hope of missing the extremely bad weather vessels were experiencing further south. This proved a wise decision for good steaming conditions were experienced throughout the passage apart from one day, 7th September, when Southeast winds of gale force were encountered. Vessel passed through Pentland Firth, in clear weather, at 19.45, 8th September and arrived off the Pilot Station for Rotterdam at 09.09, 19th September.

It has since been ascertained that during the outward passage through the ice field, nine plated forward of the collision bulkhead have been damaged and will have to be renewed. No apparent damage was sustained during the shorter period in ice on the homeward passage.

EXTRACTS FROM LOG, HULL TO CHURCHILL

Date	Noon Position		Barometer		Air Sea		Wind Direct. Force		Vis.		Remarks			
	Lat. N	Long. W	0800	1600	0800	1600	0800	1600	0800	1600				
1951 Aug. 18	0	0									am			
19	58 03	2 05	29.48	29.47	29.45	29.45	58	55	58	85	SW5	SW6/7	10 20	0901 Sailed Hull Mod. fill'n'g sea & swl. Cloudy and fine
20	59 17	10 46	29.52	29.57	29.62	29.62	62	58	60	SSW4	W5S5	W5/6	10 1-10	Mod. sea, heavy SW swl. Cloudy, occs. showers
21	D.R. 60 10	D.R. 20 44	29.50	29.43	29.77	29.77	66	52	57	SE3	W5	W5	1-1-10 20	Slight sea, mod. swell Cloudy with showers
22	D.R. 60 24	D.R. 31 33	29.79	29.59	29.73	29.73	57	55	57	SW4	SW6/7	W5/6	10 10	Rough sea, heavy SWsw O'cast, patches light rain and fog
23	59 02	39 30	29.92	29.69	29.60	29.60	56	48	54	W7	W7	W7	15 3-10	Rough sea, mod. heavy conf. swell. O'cast and fine
24	59 26	48 27	29.80	29.96	29.85	29.85	55	48	48	WNW9/10	WNW8/7	SW82/3	3-3-10 10	High seas, heavy swell Cloudy to o'cast. Occ- asional rain
25	60 30	58 54	29.77	60.29	29.85	29.85	60	45	47	W7	WNW4	WNW4	15 1-10	Rough sea, mod. heavy sw. Cloudy to o'cast, fog
26	62 00	69 27	29.88	29.93	29.79	29.79	51	45	39	0	Var. 1	Var. 1/2	1-2-20	Smooth sea, slight sw. Cloudy to o'cast. Much dense fog. Many bergs
27	D.R. 62 42	D.R. 79 26	29.65	29.55	29.65	29.65	51	42	48	WNE5	WNE2	Var. 2/3	10 0-5	Slight sea. Mainly dense fog. 1742 cleared ice- field
28	D.R. 60 49	D.R. 88 05	29.69	29.85	29.98	29.98	52	48	48	WNE6/7	W7	Var. 3	0-5-10 20	Rough sea, mod. swell Cloudy to overcast

EXTRACTS FROM LOG, CHURCHILL TO ROTTERDAM

Date	Moon Position		Barometer		Air Max.	Sea Max.	Wind 0800	Direct. 1600	Force 0000	Vis.		Remarks	
	Lat. N	Long. W	0800	1600						am	pm	am	pm
1951 Aug. 30	0	0											
31	60 48	86 32	30.16	30.01	29.97	47	N3	NW2/3	N2/3	20	20	Slight sea and swell Cloudy and fine	1621 Sailed Churchill Slight sea and swell Cloudy and fine
Sep. 1	62 39	77 21	30.01	30.03	30.04	44	Var. 1/2	ESE2	ENE2/3	10-0	0-15	Slight sea. Cloudy dense fog. Berge in vic. 2220 many bergs in vic. Slight sea and swell Ext. fog patches. Many bergs in vic. 1818 Pcd. Resolution Island	
2	61 31	67 37	30.06	30.04	30.02	44	Var. 1	Var. 1/2	Var. 2	0-10	0-10	Smooth sea, slight sw. Fog patches. Many bergs in vic.	
3	60 13	57 31	29.98	29.90	29.89	48	0	Var. 2	N2	0-10	0-15	Smooth sea, slight swl. Cloudy, fog.	
4	D.R. 59 17	D.R. 46 57	29.83	29.77	29.80	47	WNW5	WNW5/6	WNW4	10	10	Slight sea, low sw. Overcast and fine	Med. sea, heavy confed. sw. Overcast and fine
5	59 38	36 45	29.84	29.87	29.93	50	Var. 1	SW2	N2	15	5-10	Mod. sea, very heavy long NE swell	Slight sea, very heavy swell. Overcast, rain
6	D.R. 60 10	D.R. 26 36	29.95	29.93	29.94	52	SE4/5	SE4/5	SE7/8	3-5	10	Slight sea, heavy sw. Overcast, showers	Rough sea, heavy SE swll Overcast and fine
7	59 39	16 33	30.01	30.05	30.10	56	SESE5	SESE6	SE5	2-10	10	Very rough sea, very heavy SEsw. Occ. rain	Rough sea, heavy confed. SW swell. Cloudy. O'cast
8	58 57	6 17	30.10	30.05	30.12	57	SE3	N4	ENE3	10-10	20	Med. sea & swl. Mod'g Cloudy to o'ct. Fine	Slight sea, mod. heavy NW swell. Cloudy, fine 1945 Pcd. Stromma Island
9	55 54	0 12	30.10	30.01	29.96	64	ENE2	NE2	Var. 2	20	15	Slight sea & swell Cloudy to o'ct. fine	Slight sea and swell 2338 Pcd. H2Lt. Vessel
10												0909 Arrived off Rotterdam	

S. S. NORTH ANGLIA
REPORT BY CAPTAIN J. A. BRANNAN, MASTER

The vessel sailed from Birkenhead September 3rd, and arrived at Churchill, 11th September, 1951.

With regard to navigational facilities, the members of the Radio team covering the Hudson Bay area are very helpful, and bearings can usually be relied upon.

The N. B. McLean, Canadian Government vessel, keeps one fully informed and this coupled with the ice information given by merchant vessels using the Strait, is as first hand knowledge as one could expect covering the route.

In the main the general weather reports were very good.

Churchill is a small port fully equipped to handle ocean-going vessels engaged in the grain trade and ensuring them a quick turn round; if the voyage to the above port has been one of hazard, one is amply repaid by the keenness, co-operation and kindness displayed by all who handle the ship from shore side.

EXTRACTS FROM LOG, BIRKENHEAD TO CHURCHILL

Date 1951	Noon Position				Remarks
	Lat. N	Long. W			
Sep. 3	58	47	45	57	Sailed Birkenhead Mod. wind, sea and swell. Cloudy and clear
4	59	26	50	28	Mod. sea heavily overcast and clear
5	60	31	58	05	Heavily overcast, continuous drizzle
6	61	14	64	58	
7	61	34	70	34	
8	62	47	75	36	Mainly overcast, fog patches
9	61	18	80	40	
10	60	22	88	56	
11					Vessel entered Port of Churchill

EXTRACTS FROM LOG, CHURCHILL TO UNITED KINGDOM

Sep. 15					Vessel clear of port
16	59	06	93	32	Fine, cloudy and clear
17	60	31	87	54	Med. sea and swell. Overcast and clear
18	62	10	81	08	
19	62	45	74	08	Several icebergs passed on port side
20	61	27	67	15	Heavily overcast, continuous drizzle, rough sea, mod. swell, shipping forward
21	60	45	61	30	
22	59	50	54	44	
23	58	20	48	50	Mod. gale, very rough sea, heavy NE swell, e'cast and clear. Shipping seas overall, rolling and pitching heavily.
	57	22	45	07	

S.S. NUEVA FORTUNA
REPORT BY CAPTAIN D.I. GARIS, MASTER

The vessel left Londen in ballast on the afternoon of the 5th September, with destination Port Churchill. A reasonably good passage was enjoyed until the 11th of September, when we were met with rough seas and strong winds; at 16.00 on the same day we were abeam of Resolution Island. The weather was very clear and we passed it two miles off.

From Resolution Island to Charles Island we sighted numerous icebergs which had been previously reported to us by Resolution Island station and the N.B. McLean. At 16.45 Churchill was approached in fine clear weather, the elevator was sighted from a very good distance off.

At Churchill leading facilities were found to be excellent and the port officials very helpful.

We left Churchill on the morning of 22nd September, the weather being good. On the 24th September at 04.00 we sighted icefields covering a great area and at 06.00 we were forced to reduce speed for safe passage. At 22.35 we were abeam of Charles Island, we proceeded with reduced speed owing to poor visibility plus heavy snowfall which lasted one hour.

Resolution Island radio service was very good and co-operative, while the bearings from this station and Cape Hopes Advance were found to be very accurate.

EXTRACTS FROM LOG, LONDON TO P. CHURCHILL

Date 1951	Moon Position		Wind	Baro	Temp Air	Remarks
	Lat. N	Long. W				
Sep. 6	50	18				O'cast, light winds
9	52	56	S-W 3	2988	58	O'cast, vis. good. mod. seas
11	56	14	NNE 7	2910	46	Strong winds, rough seas
15	59	21	S 4	2864	43	O'cast, mod. winds
16	61	07	SW 4	2982	40	O'cast, bergs sighted 1600 abeam Resolution Island
17	62	27		2984	40	Calm, clear weather, bergs sighted 1625 abeam Charles Island west light
18	61	46	ELY 2	2964	40	Weather conditions good
19	59	14		2988	38	Fine clear weather 1810 arrived Churchill

EXTRACTS FROM LOG, P. CHURCHILL TO ROTTERDAM

Sep. 22	59	05	93	29	SE 2	2982	30	O'cast, light seas
23	61	04	36	00	NE 2	2992	36	Partly cloudy, light seas
24	62	34	78	52	NE 3	2998	32	Winds and seas mod., snowfall, we sail through icefields and close to bergs 2235 abeam Charles Island
25	62	08	69	50		2988	36	O'cast, snowfall, calm seas, fog patc.
		Midnight			E 2	2992	32	Mod. visibility, icebergs
26	60	34	62	33	NE 3	3000	38	Partly cloudy. mod. seas. 0300 abeam Resolution Island
27	59	02	55	13	NE 6	2990	40	Rough seas, with strong winds
28	57	41	48	20	NE 4	2992	45	Heavy seas, mod. winds

S.S. WARKWORTH
REPORT BY CAPTAIN N. THOMPSON, MASTER

This vessel made two voyages during the 1951 season, taking general cargo to Churchill and returning to the United Kingdom with grain on both voyages.

The first voyage was made in good weather until about one hundred miles from Resolution Island where dense fog was found for about eight hours, during which time ship proceeded at reduced speed, spotting by Radar about twenty bergs or growlers.

The Strait was entered at midnight on the 25th July and because of dense fog vessel was at reduced speed for five hours during which time Radar showed numerous bergs and growlers. Bergs were seen at a distance of fourteen miles and growlers at up to four miles by Radar.

From here onwards weather was good and mostly clear and while many bergs were seen in the Strait no ice-field was found until about one hundred miles from Churchill, where I found a large field of heavy ice lying in a Northwest and Southeast direction across the route. Radar showed this only faintly at two miles, and in the dark and in fog (which I found later was only on and near the ice-field) I got into the ice and was five hours before I could get out again to the Northwards and then in clear weather and daylight was able to get round the Northwest end of the field and find a clear run in deep water to Churchill.

Vessel arrived in Churchill at 18.00 on the 29th July.

General cargo, about 5,600 tons was discharged, vessel cleaned and fitted and grain loaded in. While in Churchill I was unable to get any information about the ice-field outside, and as no other vessels arrived during that time I was unable to get information that way, and on leaving Churchill I had to find the field (which was still across the route) and then go round to the westwards.

Voyage home to Leith was made in good conditions.

Second voyage was average to Cape Farewell and good from there onwards. Some bergs were seen in the Strait but not many. Reports from the C.G.S. N.B. McLean indicated field ice from close north of Digges Island to close north of Mansell Island, so after passing about three miles of Digges Island and just south of loose ice I proceeded to the eastward and south of Mansell Island and had a fine run to Churchill.

Each voyage into the Hudson Bay showed a westerly set on arrival off Churchill.

I made a point of using all Radio D/F stations and was well satisfied with bearings received.

Second voyage homewards was the usual route and without incident. No ice field and few bergs seen, the N.B. McLean giving very good positions of field which was well north of route.

As compared to the 1950 season, this one has been pleasant.

EXTRACTS FROM LOG, TYNE TO CHURCHILL

Date 1951	Neon Position				Remarks
	Lat. N		Long. W		
	°	'	°	'	
July 16					Left Tyne at 21.00. Good crossing to 100 miles s. Cape Farewell at 07.10 23rd July
23	58	24	45	18	Fresh easterly wind, drizzle
24	59	47	53	25	Moderate N.E. wind, clear
25	60	49	62	35	Dense fog for 8 hours. About 20 bergs seen Entered Straits at midnight
26	62	00	69	22	5 hours fog. Fine weather. Numerous bergs
27	62	48	78	31	Fine weather. 15.20 off Mansel Island
28	60	56	86	30	Light winds, smooth sea, rain
29	59	35	93	40	02.40 to 07.50 in field-ice. 18.00 arr. Churchill

EXTRACTS FROM LOG, CHURCHILL TO LEITH

Aug. 12					Cleared Churchill at noon. 18.00 to 20.00 rounding ice
13	60	59	87	57	Light N'ly wind and clear weather
14	62	29	79	52	Light N'ly wind and clear weather
15	62	01	70	59	01.30 off Charles Island, light winds, numerous bergs
16	60	52	63	28	8 hours fog. Cleared Straits in clear weather. Arr. Leith 07.30 25th August

EXTRACTS FROM LOG, TYNE TO CHURCHILL

Sep. 14					Left Tyne at 22.30 Average crossing to Cape Farewell at 17.30 21st September light variable winds and mod. swell to Resolution Island at 04.45 24th September
24	61	38	67	36	Light airs, calm sea, clear, 5 bergs
25	62	57	77	02	Light airs, calm sea, clear. 15.24 off Digges Island, field-ice close North
26	60	37	84	30	Light wind, slight sea, snow flurries
27	59	11	93	35	Cloudy, snow at time. 1815 arr. Churchill

EXTRACTS FROM LOG, CHURCHILL TO LONDON

Oct. 4					07.10 cleared Churchill
5	60	54	86	29	Light S.E'ly winds, slight sea. Overcast
6	62	33	79	08	Mod. S.W. winds, drizzle. 10.35 off Mansel Island. 14.50 off Digges Island
7	61	39	70	38	Strong W'ly wind, rough sea, rain
8	60	37	62	56	Fresh S.W. wind, rough sea. 07.05 ab. Buttons
11					Fresh W'ly winds, rough sea to C. Farewell
19					Mod. rough weather to South of Ireland Arrived in London 05.00

PARTICULARS OF SHIPS USING THE PORT OF CHURCHILL DURING 1951

Name	Registry	From	Arrived	Left	Reg. Tonnage	Outward Cargo		Inward Cargo General (Tons)
						(Bushels)	Wheat (Tons)	
S.S. Warkworth	British	Newcastle	July 29	Aug. 12	4245	346,841	9290	5450
S.S. Harold T. Andrews	U.S.A.	New York	Aug. 13	Aug. 15	4433	347,244	9301	
S.S. Essex Trader	British	London	Aug. 13	Aug. 16	4292	349,440	9361	
S.S. Begonia	British	North Shields	Aug. 18	Aug. 22	2598	262,600	7033	
M.V. Charles L.D.	French	Dunkirk	Aug. 26	Aug. 28	3502	316,000	8464	
M.V. La Sierra	British	London	Aug. 29	Aug. 30	3409	335,700	8991	
M.V. John Lyras	British	London	Aug. 30	Sep. 1	5172	352,800	9450	
S.S. Richard D. Lyons	Greek	Piræus	Aug. 31	Sep. 2	4380	352,800	9450	
M.S. Italmare	Italian	Genoa	Sep. 5	Sep. 8	4355	352,800	9450	
M.V. Corallo	Italian	Trieste	Sep. 6	Sep. 9	4561	352,800	9450	
M.V. Derryheen	British	London	Sep. 8	Sep. 11	2955	317,333	8501	
S.S. Clintonia	British	North Shields	Sep. 8	Sep. 12	4226	340,181	9112	
S.S. San Spero	Costa Rica	Port Simon	Sep. 11	Sep. 15	4456	380,800	10200	
S.S. North Anglia	British	Newcastle	Sep. 11	Sep. 15	4931	350,000	9375	
M.S. Italsole	Italian	Genoa	Sep. 12	Sep. 18	4193	352,800	9450	
S.S. Nueva Fortuna	Honduran	Puerto Cortes	Sep. 19	Sep. 22	4380	373,333	10000	
S.S. Harold T. Andrews	U.S.A.	New York	Sep. 22	Sep. 30	4433	369,600	9900	
S.S. San Jorge	Panamanian	Panama	Sep. 23	Sep. 25	4380	377,200	10103	
S.S. Essex Trader	British	London	Sep. 26	Sep. 28	4292	346,000	9268	
S.S. Warkworth	British	Newcastle	Sep. 27	Oct. 4	4244	334,171	8951	1540
M.V. John Lyras	British	London	Sep. 29	Oct. 2	5172	368,000	9857	
						7,278,443	194,958	6,990

In addition to wheat, the S.S. Warkworth loaded 14 Tractors before departure from Churchill on October 4th.

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. Tables in leaflet form are available for Port Nelson. Tidal differences for fourteen localities in Hudson Strait and for eight 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	5408 Cape Churchill to Churchill Harbour
5400 Cape Churchill to Egg River	5409 Churchill Harbour to Hubbart Point
5401 Wakeham and Fisher Bays and Approaches	5410 Coral Harbour
Wakeham Bay	5411 Lower Savage Islands to Pritzler Hbr. Pritzler Harbour
Fisher Bay	5412 Erik Cove to Nuvuk Harbour including Digges Island
5402 Cape Prince of Wales to C. Weggs Douglas Harbour	Erik Cove
5403 Pritzler Harbour to C. Weymouth Balcom and Barrier Inlets	Port de Laperriere
Shaftesbury Inlet	Nuvuk Harbour
5404 Anchorages in Hudson Strait	Digges Harbour
Sugluk Inlet	5414 Rupert Bay
Port Burwell	5415 Mouth of Rupert River
Button Islands	5416 Mouth of Moose River
5406 Cape Tatnam to Port Nelson	5417 Approaches to Nelson River
5407 Anchorages in Hudson Straits	5418 Churchill Harbour
Charles Inlet	5450 Hudson Strait
Savage Harbour	
Acadia Cove	

Sailing Directions-

Sailing Directions for the Hudson Bay Route.

Tide Tables-

Tide Tables for the Atlantic Coast of Canada.

Tide Tables for Port Nelson, Hudson Bay (in mimeograph form).

NOTE- Copies of the above publications are available at the office of the High Commissioner for Canada, Canada House, London, England, for reference. Charts and Sailing Directions are issued at 50 cents and 75 cents respectively and Tide Tables at 25 cents per copy and may be obtained from the Hydrographic Service Department of Mines and Technical Surveys, Ottawa, or from the National Harbours Board Office, Churchill, Manitoba. All orders must be accompanied by postal or express money order, for the full amount, payable to the Receiver General for Canada

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

Date 1951 July	Moon Position	Barometer		Temperature		Wind True		Fog	Vis.	Remarks				
		8 a m	4 p m	Mid.	8 a m	4 p m	Mid.			8 a m	4 p m			
1	Off Quirpon Island	29.80	29.73	29.75	42	41	SW	1	3	Calm	0	4	6	O'cast, light rain
2	Off Quirpon Island	29.72	29.64	29.62	51	41	Calm	0	0	Calm	0	24	1	Dense fog
3	Off SW Belle Isle	29.64	29.68	29.69	50	45	WNW	2	1	W	1	24	0	Thick fog
4	Off NB Belle Isle	29.73	29.76	29.86	45	41	Calm	0	0	NE	2	4	5	Cloudy, fog in dis.
5	54 37 N 54 55 W	29.92	29.90	29.82	45	42	N	1	0	NE	1	8	3	O'cast, fog in dist.
6	57 34 N 58 42 W	29.72	29.48	29.47	52	37	SSW	3	4	N	2	0	5	O'cast, fog in dist.
7	59 52 N 62 27 W	29.52	29.60	29.55	46	37	SW	3	3	SW	2	0	8	Cloudy, fog in dist.
8	61 17 N 66 02 W	29.34	29.13	29.32	42	34	SE	3	2	V	3	3	5	Cloudy, clear
9	Off Diana Bay	29.44	29.36	29.38	46	34	SW	1	2	WNW	1	0	8	Cloudy, clear
10	Off C.Hopes Advance	29.52	29.55	29.58	54	36	W	3	2	S	1	0	9	Cloudy, clear
11	Off C.Hopes Advance	29.59	29.62	29.60	53	43	Calm	0	0	Calm	0	0	9	Cloudy, clear
12	Off Diana Bay	29.58	29.48	29.52	52	41	SW	3	3	W	3	0	8	Cloudy, clear
13	Wakeham Bay	29.54	29.38	29.28	44	44	SE	2	3	SW	1	0	8	Cloudy, clear
14	Wakeham Bay	29.25	29.17	29.24	50	40	SW	2	4	SW	2	0	8	O'cast, int. rain
15	Wakeham Bay	29.24	29.40	29.52	44	38	Calm	0	3	N	1	0	7	Cloudy, clear
16	Wakeham Bay	29.51	29.60	29.69	41	34	W	1	4	NW	3	4	6	Cloudy, clear
17	5ms. off Charles Isd.	29.70	21.78	29.78	42	34	SW	2	2	W	3	0	9	O'cast, rain
18	15W. Digges Island	29.80	29.82	29.80	45	38	SW	4	3	S	1	0	8	Cloudy, clear
19	Nottingham Island	29.77	29.68	29.57	45	39	S	2	2	SSW	2	24	1	Thick fog
20	Brick Cove	29.48	29.30	29.26	45	34	SE	1	4	SE	3	0	7	Fog
21	62 17 N 70 48 W	29.36	29.31	29.20	40	34	SE	2	2	N	5	0	4	O'cast, fog in dist.
22	Diana Bay	28.96	28.96	29.10	38	30	SE	6	3	S	3	0	6	O'cast, fog in dist.
23	Acadia Cove	29.25	29.30	29.36	39	35	SSW	3	2	W	2	0	8	O'cast, fog in dist.
24	Acadia Cove	29.48	29.61	29.66	43	34	SW	1	1	Calm	0	0	9	Cloudy, clear
25	Acadia Cove	29.70	29.72	29.77	47	35	Calm	0	2	W	2	0	8	Fine, clear
26	Acadia Cove	29.82	29.85	29.86	42	32	W	2	2	Calm	0	20	1	Cloudy, clear
27	Acadia Cove	29.88	29.88	29.87	44	36	SSW	1	1	SW	1	0	8	Fog
28	Acadia Cove	29.88	29.87	29.86	41	34	SE	1	1	Calm	0	0	4	Cloudy, clear
29	Acadia Cove	29.85	29.84	29.84	38	33	W	2	2	W	1	8	3	Cloudy, fog in dist.
30	Acadia Cove	29.84	29.84	29.82	47	36	W	1	1	SW	1	0	8	Cloudy, clear
31	Acadia Cove	29.78	29.76	29.72	40	36	W	1	2	WSW	3	0	8	Fine, clear

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

Date 1951	Noon Position	Barometer		Temperature		Wind True		Fog Vis.		Remarks					
		8 a m	4 p m	Mid.	8 a m	4 p m	Mid.	8 a m	4 p m	am	pm				
Aug. 1	Off Resolution Isd.	29.74	29.74	29.68	38	34	WSW	2	NNW	1	E	2	8	Cloudy, fog bank	Cloudy, clear
2	Off Resolution Isd.	29.59	29.54	29.49	41	37	E	3	E	3	W	1	12	Cloudy, fog dist.	Cloudy, fog
3	61 14 45N 66 02 00W	29.44	29.50	29.57	38	31	E	1	E	1	W	1	24	Thick fog	Thick fog
4	Off Resolution Isd.	29.65	29.76	29.66	40	36	SW	3	W	2	SW	2	0	0'cast, fog	Cloudy, clear
5	Diana Bay	29.62	29.48	29.55	50	38	SW	2	NNW	2	SW	1	0	Cloudy, clear	Ocs. int. rain
6	Diana Bay	29.52	29.53	29.44	44	42	W	2	WNW	4	WNW	4	0	Ocs. int. rain	Cloudy, clear
7	Wakeham Bay	29.47	29.54	29.64	42	39	NW	5	SE	2	Calm	3	0	Cloudy, clear	Cloudy, clear
8	Wakeham Bay	29.69	29.72	29.75	44	28	Calm	5	SE	2	SE	2	0	Cloudy, clear	Cloudy, clear
9	Big Island	29.78	29.74	29.70	48	36	Calm	2	W	2	NW	2	0	Cloudy, clear	Cloudy, clear
10	Sugluk Entrance	29.78	29.84	29.87	45	38	W	2	NE	3	SE	1	0	Cloudy, clear	Cloudy, clear
11	Sugluk	29.88	29.81	29.78	60	44	NW	1	WSW	3	S	1	0	Ocs. int. rain	Ocs. int. rain
12	Sugluk	29.70	29.62	29.62	46	43	Calm	2	E	2	NE	4	0	Ocs. int. rain	Cloudy, fog dist.
13	Sugluk	29.70	29.74	29.80	44	39	NE	2	N	3	WNW	5	0	Cloudy, fog dist.	Cloudy, clear
14	Ivuyivik	27.82	29.86	29.84	42	35	SW	1	NNW	2	NW	2	0	Cloudy, clear	Cloudy, clear
15	Nottingham Island	29.84	29.79	29.74	46	33	W	2	SW	1	SE	1	0	Fine, clear	Cloudy, clear
16	Nottingham Island	29.69	29.70	29.73	42	34	SW	2	S	2	NNE	3	16	Int. rain, thick f.	Ocs. fog dist.
17	Nottingham Island	29.77	29.82	29.78	44	32	NW	2	NW	2	NW	3	8	Ocs. fog, clear	Ocs. fog
18	Diggs Island	29.78	29.83	29.84	37	33	NW	4	N	3	NW	4	16	Int. rain, fog	Ocs. fog bank
19	63 05 N 83 15 W	29.82	29.76	29.79	43	38	W	3	NNW	3	N	4	0	Cloudy, clear	Cloudy, clear
20	Southampton Island	29.72	29.70	29.77	42	38	NW	5	N	4	N	2	0	Cloudy, clear	Cloudy, clear
21	Bear Island	29.84	29.82	29.72	44	35	NW	3	SW	2	NNE	2	0	Fine, clear	Cloudy, clear
22	20 m SE Teayson Pt.	29.65	29.74	29.82	45	39	SW	2	NNE	2	E	3	0	Ocs. int. rain	Cloudy, clear
23	62 15 N 81 42 W	29.80	29.53	29.46	48	42	SSE	3	SW	4	SW	4	0	Cloudy, clear	Cloudy, fog dist.
24	60 37 N 88 14 W	29.58	29.71	29.78	52	48	SW	3	W	1	SW	2	0	Cloudy, clear	Cloudy, clear
25	Churchill	29.80	29.74	29.64	67	52	W	1	E	2	SE	2	0	Fine, clear	Fine, clear
26	Churchill	29.46	29.36	29.26	50	48	E	4	E	5	NE	5	0	Ocs. rain	Ocs. heavy rain
27	Churchill	29.36	29.52	29.66	46	45	NNE	5	N	5	NNE	5	0	Ocs. rain	Ocs. heavy rain
28	Churchill	29.81	29.96	30.00	46	44	NNE	5	N	5	WNW	2	0	Ocs. rain	Cloudy, clear
29	Churchill	30.08	30.15	30.18	55	44	NNW	3	NW	1	W	2	0	Cloudy, clear	Cloudy, clear
30	Churchill	30.20	30.20	20.19	60	42	SW	2	ESE	2	SSE	2	0	Cloudy, clear	Cloudy, clear
31	Churchill	30.16	30.02	29.94	62	47	SSE	3	NW	3	SW	4	0	Cloudy, clear	Cloudy, clear

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Date	Moon Position	Barometer		Temperature		Wind True		Fog	Vis.	Remarks					
		8 a.m.	4 p.m.	Mid.	8 a.m.	4 p.m.	Mid.				Krs. an hr.				
1951															
Sept.															
1	Churchill Harbour	30.00	30.04	30.02	49	53	NW	3	NW	2	SSW	2	0	8	Cloudy, clear
2	Churchill Harbour	30.00	30.06	30.06	55	54	NW	2	NW	2	W	2	0	8	Cloudy, clear
3	Churchill Harbour	30.06	30.10	30.04	61	55	NW	3	NW	2	SSW	2	0	8	Cloudy, clear
4	Churchill Harbour	29.96	29.84	29.67	68	55	SSW	3	SW	2	SW	3	0	8	Cloudy, clear
5	Churchill Harbour	29.62	29.93	30.00	56	54	NW	4	NW	3	NW	3	0	7	0'cast, rain
6	Churchill Harbour	30.09	29.85	29.58	52	54	NW	3	SW	4	SW	4	0	8	Cloudy, clear
7	Churchill Harbour	29.65	29.84	29.83	57	53	NW	5	NW	3	SW	3	0	8	Cloudy, clear
8	3 m off Churchill	29.79	29.72	29.76	46	48	SW	2	SW	3	SW	3	0	7	Cloudy, clear
9	60 28 N 88 20 W	29.78	29.80	29.83	46	43	NW	2	NW	3	NW	2	0	8	Cloudy, clear
10	4 m N Mansel Isld.	29.89	29.92	29.98	55	41	SW	2	SW	2	SW	2	0	8	Cloudy, clear
11	Sugluk	29.98	29.84	29.79	47	41	SW	1	NW	3	NW	3	0	8	Cloudy, clear
12	Sugluk Inlet	29.76	29.80	29.82	43	40	Calm	4	N	3	NW	3	0	9	Fine, clear
13	15 m off Nottingham Island	29.77	29.64	29.36	36	35	NW	4	N	5	N	5	0	7	Cloudy, clear
14	9 m off Nottingham	29.26	29.20	29.08	45	35	N	2	N	2	N	2	22	3	0'cast, fog, rain
15	63 22 N 81 10 W	29.02	29.13	29.21	34	32	N	4	NW	3	W	4	12	3	0'cast, fog, rain
16	Coral Harbour	29.38	29.53	29.59	36	35	WSW	4	WSW	4	SW	2	0	6	0'cast, int. rain, sn
17	Coral Harbour	29.58	29.54	29.60	36	36	SSW	2	SE	2	SE	3	8	7	0'cast, fog, rain
18	Coral Harbour	29.65	29.70	29.76	38	36	N	5	N	2	Calm	2	0	8	Fine, clear
19	Coral Harbour	29.77	29.78	29.80	37	36	NW	1	NW	2	NW	2	0	8	Cloudy, clear
20	Coral Harbour	29.83	29.84	29.87	36	36	NW	2	SW	3	SW	2	0	8	Cloudy, clear
21	Coral Harbour	29.77	29.72	29.70	36	36	SE	1	SW	1	NW	2	0	8	Cloudy, clear
22	5 m S Native Pt.	29.76	29.82	29.86	33	32	Calm	1	Calm	2	Calm	1	0	8	Cloudy, clear
23	63 09 N 80 30 W	29.87	29.90	29.93	30	29	N	1	N	2	NW	1	0	8	Cloudy, clear
24	62 42 N 77 57 W	29.91	29.87	29.82	34	27	N	1	N	2	Calm	2	0	8	Cloudy, clear
25	Erik Cove	29.78	29.80	29.82	34	29	N	3	N	3	N	3	0	7	0'cast, clear
26	Erik Cove	29.90	30.00	30.08	33	36	N	3	N	3	N	3	0	6	0'cast, int. snow
27	62 39 N 79 15 W	30.12	30.12	30.06	32	30	NW	3	N	3	N	3	0	7	0'cast, clear, snow
28	W Mansel Island	30.00	29.96	29.96	31	30	N	5	N	4	N	4	0	6	0'cast, int. snow
29	W Mansel Island	30.00	30.04	30.04	32	30	N	6	N	5	NW	4	0	7	0'cast, clear
30	W Mansel Island	30.01	29.99	30.04	40	29	NW	3	NW	4	N	2	0	9	Fine, clear

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Date 1951	Moon Position	Barometer		Temperature		Wind True		Fog Hrs. per day	Vis. Hrs. per day	Remarks	
		8 a m	4 p m	Mid.	8 a m	4 p m	Mid.			am	pm
Oct. 1	2 m off Digges Is.	30.04	30.03	30.01	30	29	2	NNE	2	NNE	Fine, clear
2	Erik Cove	30.01	30.05	30.06	31	29	2	NNE	2	NNE	O'cast, clear
3	Erik Cove	30.12	30.16	30.17	32	29	2	N	2	N	O'cast, clear
4	Erik Cove	30.20	30.24	30.33	32	29	4	NNE	3	N	Cloudy, clear
5	Off Seal Point	30.32	30.22	30.13	33	29	3	SW	3	SW	Cloudy, clear
6	63 39 N 83 18 W	30.02	29.92	29.84	36	32	2	SW	5	SW	O'cast, fog
7	Erik Cove	29.81	29.72	29.63	38	36	6	SW	5	SW	O'cast, clear
8	Sugluk	29.67	29.68	29.68	36	30	5	NW	5	NW	O'cast, int. rain
9	Sugluk	29.76	29.68	29.34	30	28	5	W	5	SE	Cloudy, clear
10	Wakeham Bay	28.87	28.92	28.99	34	29	3	W	5	NW	O'cast, clear
11	Wakeham Bay	29.10	29.40	29.62	32	30	6	NW	4	NW	O'cast, snow sqlls
12	Wakeham Bay	29.76	29.96	30.08	28	25	5	NW	4	NW	O'cast, int. snow
13	Wakeham Bay	30.04	29.62	29.20	34	24	3	SE	3	S	O'cast, snow sqlls
14	Diana Bay	29.16	29.27	29.56	35	29	4	WNW	7	NW	Cloudy, clear
15	61 13 N 69 09 W	29.74	29.68	29.52	31	28	4	N	6	NNE	Cloudy, clear
16	Acadia Cove	29.74	30.02	29.84	30	28	2	W	2	ENE	O'cast, clear
17	Acadia Cove	29.18	29.34	30.08	35	26	4	W	8	ENE	Cloudy, clear
18	Acadia Cove	30.43	30.55	30.54	29	26	6	W	3	W	O'cast, snow flrrs
19	61 04 N 65 44 W	30.47	29.97	29.45	36	29	2	ENE	5	ENE	O'cast, snow flrrs.
20	60 30 N 65 54 W	29.68	29.88	29.82	33	27	5	WSW	4	SW	Cloudy, clear
21	E Akpatok Island	29.81	29.94	29.98	32	28	5	SSW	3	W	Cloudy, snow flrrs
22	E Akpatok Island	30.04	30.08	30.02	31	26	2	W	3	W	Fine, clear
23	E Akpatok Island	29.82	29.82	29.98	29	25	4	N	4	NW	Cloudy, clear
24	E Akpatok Island	30.14	30.28	30.36	25	23	4	W	4	W	O'cast, snow sqlls
25	E Akpatok Island	30.34	30.14	29.92	29	24	3	SE	3	S	Cloudy, clear
26	E Akpatok Island	29.80	29.67	29.54	28	26	3	SW	3	W	Cloudy, clear
27	Wakeham Bay	29.48	29.54	29.57	26	20	4	NW	5	SW	O'cast, snow sqlls
28	Wakeham Bay	29.58	29.60	29.67	26	20	2	NE	2	NW	Cloudy, clear
29	Wakeham Bay	29.71	29.76	29.76	26	20	2	W	1	NW	Cloudy, clear
30	Wakeham Bay	29.74	29.72	29.76	25	20	2	W	3	W	Fine, clear
31	Wakeham Bay	29.82	29.86	29.77	26	21	2	WSW	2	W	Fine, clear

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

Date 1951	Noon Position	Barometer		Temperature		Wind True		Fog Hrs.	Vis. am pm	Remarks							
		8 a m	4 p m	Mid.	Max.	Min.	Sea			8 a m	4 p m	Mid.	am	pm			
Nov. 1	Wakeham Bay	29.64	29.65	29.20	28	21	28	NW	3	NNW	5	NW	5	0	7	O'cast, int. lt snow	O'cast, snow flrs.
2	Wakeham Bay	29.84	30.03	30.28	21	19	28	SW	3	WSW	3	WSW	3	0	7	Cloudy, snow flurries	Cloudy, clear
3	Wakeham Bay	30.26	30.39	30.06	23	16	28	W	2	W	2	W	2	0	9	Fine, clear	Cloudy, clear
4	Wakeham Bay	29.33	29.28	29.46	30	22	28	E	5	SW	4	SW	4	0	6	O'cast, int. snow	Cloudy, snow sqlls
5	22 m E Wales Isd.	29.48	29.50	29.61	22	18	28	SSW	4	SW	4	S	5	0	6	Cloudy, snow flurries	Cloudy, snow flrs.
6	61 05 N	29.70	29.70	29.82	26	23	30	SSW	5	SW	5	SW	5	0	5	Cloudy, snow squalls	Cloudy, snow sqlls
7	57 50 N	29.88	29.97	30.06	28	23	31	SW	6	W	6	W	4	0	8	Cloudy, clear	Cloudy, clear
8	53 54 N	30.12	29.94	29.47	35	27	33	SW	3	SE	3	SE	5	8	8	Cloudy, rain, fog	O'cast, haze
9	50 33 N	29.26	29.37	29.60	40	33	35	SW	6	WSW	6	W	6	0	7	Cloudy, clear	Cloudy, clear
10	Off Carleton Pt.	29.81	29.82	29.78	36	29	37	WNW	5	SW	3	SW	3	0	8	Cloudy, clear	Cloudy, clear
11	48 18 N	29.84	29.98	30.15	37	34	36	W	3	NW	3	NW	2	0	9	Cloudy, clear	Cloudy, clear

METEOROLOGICAL REPORT C.G.S. C. D. HOWE

Date 1951	Moon Position		Wind		Barometer		Temp.		Vis.		Remarks	
	Lat. N	Long. W	Moon	8 p m	Moon	8 p m	Noon	8 p m	am	pm	am	pm
July 1	Tuchialik Bay		8	SSW 1	29.52	29.56	63	62	12	15	Fine, clear	Cloudy, clear
2	Tuchialik Bay		Calm 0	Calm 0	29.60	29.64	60	45	15	10	Fine, clear	Cloudy, clear
3	57 05 58 34		NW 2	NNW 2	29.70	29.74	39	35	2	0	Foggy	Dense fog
4	59 41 60 45		NW 2	Calm 0	29.80	29.80	34	34	6	15	Cloudy, occ. fog patches	Fine, clear
5	Resolution Isd.		S 2	N 1	29.80	29.70	34	35	15	15	Fine, clear	Fine, clear
6	60 13 67 12		SW 2	SW 2	29.26	29.43	34	35	10	12	O'cast	O'cast, cloudy
7	58 39 67 50		S 2	Calm 0	29.60	28.62	50	60	15	12	Fine, clear	O'cast, cloudy
8	Kosoak River		SW 5	SW 2	29.15	29.37	66	57	12	15	Cloudy, clear	Cloudy, clear
9	Kosoak River		NE 2	NW 3	29.25	29.26	52	48	10	8	Cloudy, passing rain	O'cast, rain
10	Kosoak River		NE 1	NE 2	29.59	29.57	59	50	15	6	Fine, clear	O'cast, raining heavily
11	Kosoak River		W 2	Calm 0	29.65	29.73	56	65	8	12	O'cast, occasional rain	Fine, clear
12	Kosoak River		S 4	S 1	29.70	29.68	68	68	12	12	Cloudy, clear	Cloudy, clear
13	Kosoak River		SW 2	S 3	29.60	29.36	62	65	13	10	O'cast, cloudy	O'cast, rain
14	Kosoak River		SW 8	SW 5	29.46	29.43	50	48	12	8	O'cast, cloudy	O'cast, rain
15	59 21 67 55		NW 1	W 2	29.32	29.43	44	41	15	15	Cloudy, clear	O'cast, cloudy
16	62 33 72 03		WNW 2	W 2	29.55	29.58	38	36	10	0	O'cast, cloudy	Dense fog
17	Sugluk		SW 3	NNW 6	29.73	29.75	48	47	15	15	Fine, clear	Cloudy, clear
18	Ivuyinuk Hbr.		SW 3	SW 3	29.80	29.80	50	40	15	12	Fine, clear	O'cast, cloudy
19	Cape Smith		Calm 0	SW 2	29.75	29.56	67	46	15	15	Fine, clear	O'cast, cloudy
20	Port Harrison		N 3	WNW 4	29.49	29.45	52	44	15	12	Fine, clear	O'cast
21	Port Harrison		S 2	WNW 2	29.81	29.10	50	44	10	15	O'cast, cloudy	Fine, clear
22	Port Harrison		NW 7	W 6	29.13	29.18	44	41	8	8	O'cast, light rain	O'cast, light rain
23	Port Harrison		NW 5	NNW 6	29.28	29.37	45	43	10	10	O'cast, cloudy	O'cast, cloudy
24	Port Harrison		WNW 2	W 2	29.72	29.75	50	46	12	15	Cloudy, clear	O'cast, clear
25	58 53 85 00		NW 2	Calm 0	29.90	30.00	38	40	15	15	Fine, clear	Fine, clear
26	Churchill		Calm 0	SE 2	30.06	30.02	48	70	15	15	Fine, clear	Fine, clear
27	Churchill		SE 1	S 1	29.90	29.81	74	62	15	10	Cloudy, clear	O'cast, raining
28	Churchill		NE 1	Calm 0	29.82	29.82	94	71	15	15	Fine, clear	Cloudy, clear
29	Churchill		N 2	SE 2	30.08	30.08	51	54	12	12	O'cast, cloudy	Cloudy, clear
30	Churchill		S 1	Calm 0	30.00	29.95	63	54	15	15	O'cast, cloudy	Cloudy, clear
31	Churchill		SE 1	SE 1	29.92	29.87	61	66	15	12	Fine, clear	Cloudy, clear

METEOROLOGICAL REPORT C.G.S. C.D. HOWE

Date 1951	Moon Position		Wind		Barometer		Temp.		Vis.		Remarks	
	Lat. N	Long. W	Moan	8 p m	Moan	8 p m	Moan	8 p m	am	pm	am	pm
Aug. 1			SW	1	29.65	29.66	64	48	8	12	O'cast, light rain	O'cast, cloudy
2	Churchill		N	1	30.07	30.06	56	60	15	15	Fine, clear	Fine, clear
3	Churchill		SW	3	29.90	29.80	62	67	13	15	O'cast, cloudy	Fine, clear
4	Churchill		SW	3	29.72	29.68	78	69	15	15	Cloudy, clear	Fine, clear
5	Churchill		NE	2	29.78	29.95	56	71	12	15	Cloudy, clear	Fine, clear
6	Churchill		SE	2	29.90	29.84	63	50	15	10	O'cast, cloudy	O'cast, rain
7	Churchhill		NE	4	29.79	29.83	46	44	8	10	O'cast, rain	Cloudy, clear
8	Churchill		V	1	29.92	29.84	56	61	15	15	Fine, clear	Fine, clear
9	59 07 93 31		N	2	29.70	29.74	61	40	15	12	O'cast, clear	Cloudy, clear
10	61 58 87 06		NE	5	29.81	29.84	47	42	13	12	O'cast, cloudy	Cloudy, clear
11	Coral Harbour		E	1	29.80	29.78	54	48	12	13	O'cast	O'cast, cloudy
12	63 08 79 32		NE	3	29.70	29.72	40	43	8	10	Cloudy, fog patches	O'cast, rain
13	Cape Dorset		E	4	29.75	29.78	51	47	15	15	O'cast	Cloudy, clear
14	Cape Dorset		NE	3	29.76	29.77	52	45	15	15	Fine, clear	Cloudy, clear
15	62 23 70 05		SE	2	29.75	29.72	50	45	15	12	Cloudy, clear	Cloudy, clear
16	Lake Harbour		SE	2	29.78	29.76	45	40	15	10	Cloudy, clear	Cloudy, clear
17	61 32 69 52		SE	3	29.70	29.62	41	38	4	Nil	O'cast, fog	O'cast, low clouds
18	62 57 67 08		SE	3	29.71	29.67	38	39	5	1	O'cast, light fog	Dense fog, e'cast
19	Ab. Cape David		NW	2	29.62	29.57	40	41	10	12	O'cast, clear	Fog, rain
20	Pangnirtung		SW	2	29.38	29.34	40	37	8	Nil	O'cast, occ. fog patches	Dense fog
21	Pangnirtung		SW	1	29.50	29.50	48	34	12	4	O'cast, cloudy	Rain, fog
22	66 04 61 34		NW	2	29.48	29.60	41	34	10	1/2	O'cast, occ. snow	O'cast, thick snow
23	69 42 65 54		N	5	29.80	29.70	37	36	10	15	O'cast, cloudy	O'cast
24	River Clyde		E	1	29.75	29.79	50	42	10	8	Cloudy, occ. light fog	Cloudy, fog patches
25	71 30 69 50		E	1	29.85	29.87	34	35	5	10	O'cast, drizzle	O'cast, occ. drizzle
26	Pend Inlet		NE	1	29.81	29.88	40	37	15	15	Fine, clear	Fine, clear
27	Pend Inlet		NW	2	30.03	30.00	36	36	15	12	Cloudy, clear	Cloudy, clear
28	Arctic Bay		NW	2	29.85	29.83	37	38	15	12	Fine, clear	Cloudy, clear
29	Dundas Harbour		SW	1	29.93	29.98	34	36	12	10	O'cast, cloudy	O'cast, occ. fog patches
30	76 00 80 48		NW	3	30.15	30.20	32	34	15	5	O'cast, cloudy	Foggy, clear sky
31	Craig Harbour		SW	1	30.25	30.26	35	33	15	3	Cloudy, clear	Cloudy, fog

METEOROLOGICAL REPORT C.G.S. C.D. HOWE

Date 1951	Moon Position		Wind		Barometer		Temp.		Vis.		Remarks	
	Lat. N	Long. W	Moon	8 p m	Moon	8 p m	Moon	8 p m	am	pm	am	pm
Sept. 1	75 57	80 50	SE	1	30.20	30.16	33	30	N11	N11	Dense fog	Dense fog
2	72 48	76 36	SW	3	29.95	29.92	40	41	15	15	Cloudy, clear	O'cast, clear
3	71 13	69 09	S	2	29.85	29.79	39	34	1	N11	Dense fog, fog	Dense fog, e'cast
4	67 17	62 27	SE	2	29.70	29.67	36	42	12	N11	O'cast, cloudy	Dense fog, e'cast
5	64 36	62 08	SE	4	29.55	29.53	38	40	1	10	O'cast, cloudy, rain	O'cast
6	62 41	66 41	SE	2	29.38	29.30	38	37	1	1	O'cast, dense fog	O'cast, dense fog
7	Frobisher Bay		W	2	29.39	29.42	41	42	15	15	Cloudy, clear	Cloudy, clear
8	Frobisher Bay		NW	2	29.51	29.52	40	38	10	15	O'cast, cloudy	Cloudy, clear
9	63 32	68 18	S	2	29.65	29.70	36	38	10	5	O'cast, rain	O'cast, rain
10	61 37	69 36	NW	6	29.90	29.98	38	38	15	10	Cloudy, clear	O'cast, rain showers
11	Sugluk		S	1	29.89	29.80	45	43	15	15	Cloudy, clear	Fine, clear
12	62 22	75 25	E	4	29.76	29.87	41	36	15	15	Cloudy, clear	Fine, clear
13	Lake Harbour		E	2	29.95	29.90	44	46	15	12	Fine, clear	O'cast, cloudy
14	Lake Harbour		SE	4	29.48	29.32	42	38	6	1	O'cast, rain	O'cast, thick fog
15	61 47	66 08	SE	3	29.30	29.26	34	39	12	12	Cloudy, e'cast	O'cast, occ. rain squalls
16	Frobisher Bay		SE	2	29.62	29.76	42	41	12	15	Cloudy, e'cast	Cloudy, clear
17	Frobisher Bay		SSW	2	29.80	29.68	39	39	12	15	O'cast, cloudy	O'cast, cloudy
18	61 44	64 28	NE	4	29.55	29.22	38	39	12	1	O'cast, cloudy	O'cast, dense fog
19	58 24	60 17	SW	4	29.05	29.06	38	43	6	8	O'cast, rain	O'cast, rain
20	55 02	56 55	W	4	29.55	29.26	38	43	15	15	Cloudy, clear	Fine, clear
21	51 28	56 42	W	6	29.95	29.92	51	54	15	15	Cloudy, clear	Fine, clear
22	49 59	59 23	SW	2	29.70	29.72	55	58	2	15	O'cast, rain, fog	Fine, clear
23	49 54	64 39	S	4	29.50	29.68	56	50	8	15	O'cast, rain, occ. fog	Fine, clear
24	Ab. Father Point		S	4	30.02	29.93	46	52	15	15	Fine, clear	Fine, clear
25	Quebec City		S	1	29.70	29.68	61	55	6	6	O'cast, rain	O'cast, rain

RESOLUTION ISLAND METEOROLOGICAL REPORT - 1951

Date	Mean Baro	Temp		Wind		Precip.		Vis.		Weather	
		Max	Min	0730am	1930am	a.m.	p.m.	am	pm	a. m.	p. m.
July	Mbs.	Fo	Fo								
1	997.6	43	36	NE 24	NE 16			6	1/4	Cloudy	Fog
2	1004.9	40	32	E 5	E 10			1/4	1/4	Fog	Fog
3	1009.3	42	35	NE 10	OO 0			1/2	12	Fog	Cloudy
4	1009.6	41	34	NW 6	W 10			36	1	Cloudless	Fog
5	1007.2	42	32	NW 12	S 7			12	12	Cloudy	Cloudless
6	992.3	37	34	NE 14	N 19	.01		1	1/8	Rain	Fog
7	997.6	58	35	N 17	S 3	.01		12	24	Cloudy	Fog
8	998.2	46	37	E 16	S 16	.04	.01	10	1/8	Overcast	Fog
9	994.3	45	33	SE 10	NE 17		.03	5	1	Overcast	Rain
10	997.9	48	34	NNE 7	NW 4			1/8	10	Fog	Partly Cloudy
11	991.3	42	36	NW 4	NW 12	.02	.03	1/8	1 1/2	Rain	Rain
12	1002.0	40	27	W 4	S 14	.01		1 1/4	8	Cloudy	Overcast
13	1000.2	46	31	SSW 3	E 10		.01	.0	1	Fog	Smoke
14	993.3	36	34	SSW 23	WSW 13			12	12	Cloudy	Cloudy
15	994.6	47	33	SSW 14	SSE 12	.01	.00	12	10	Cloudless	Rain
16	994.6	34	31	SW 12	WSW 2	.00	.00	.0	1/8	Snow Shower	Fog
17	1007.5	44	29	NNW 16	W 9	T		12	1/8	Partly Cl dy.	Fog
18	1011.5	39	28	WNW 7	WSW 7			10	1/8	Overcast	Fog
19	1013.0	44	29	SE 3	SSE 18			12	12	Part Cloudy	Overcast
20	1001.9	44	28	NE 20	E 29	.00		4	1/4	Rain	Fog
21	987.8	41	32	NNE 15	SSE 9	.13	.14	1/2	10	Rain	Overcast
22	983.7	41	34	ENE 21	SW 8	.37	.07	5	4	Distant fog	Fog
23	990.3	39	31	NNE 7	W 27			36	12	Cloudy	Cloudless
24	999.7	43	34	OO 0	OO 0			12	12	Cloudless	Cloudless
25	1000.6	46	34	OO 0	WNN 4			12	1 1/2	Part Cloudy	Cloudy
26	1004.7	34	30	WNN 5	WSW 3			.0	1/4	Fog	Fog
27	1011.7	42	29	OO 0	OO 0			1/8	24	Cloudy	Overcast
28	1005.9	41	34	SE 2	OO 0			1/8	1/2	Fog	Fog
29	1010.3	39	31	WNN 7	OO 0			1/8	10	Fog	Overcast
30	1009.2	47	37	NW 5	W 4			12	12	Overcast	Part Cloudy
31	1005.0	41	34	W 3	W 12			12	10	Cloudless	Part Cloudy
Aug.											
1		34	33	M M	M M			M	M	Missing	Missing
2	1000.3	48	27	M M	W 14			M	.0	Missing	Fog
3	999.6	42	35	E 3	OO 0	.02		1/4	1/8	Fog	Fog
4	1007.3	40	29	W 8	OO 0			1 1/2	2 1/4	Fog	Fog
5	1004.3	39	30	E 3	SE 9			10	10	Overcast	Overcast
6	1000.4	43	36	W 10	SE 14		.50	12	12	Cloudless	Overcast
7	1000.8	36	33	S 13	W 16	.06		12	6	Overcast	Overcast
8	1008.8	41	34	SW 8	SE 10			1/8	36	Fog	Overcast
9	1007.8	46	38	E 5	N 2	.02	.13	8	6	Distant fog	Part Cloudy
10	1005.5	43	36	NE 27	NE 18	.08	.00	3	12	Rain	Dust Devils
11	1016.1	42	29	NW 3	W 4	.04		12	10	Cloudy	Part Cloudy
12	1012.2	47	35	E 9	NE 20			24	12	Overcast	Overcast
13	1005.8	45	36	OO 0	W 3	.09		3	6	Overcast	Overcast
14	1006.5	38	32	OO 0	SW 7	.03	.05	3	.0	Rain	Fog
15	1007.5	40	33	E 7	N 7	.03		8	12	Rain	Overcast
16	1012.1	39	34	W 6	SW 5	.00		6	12	Fog Patches	Cloudless
17	1010.2	41	34	S 10	E 13		.01	24	8	Overcast	Overcast
18	1006.9	44	33	NE 6	W 12		.01	.0	.0	Fog	Fog
19	1000.0	41	32	W 5	W 10	.02		10	3	Rain	Dist. fog
20	998.3	36	33	W 10	W 10	.07	.3	1/8	.0	Fog	Fog
21	1002.2	38	33	W 13	W 10	.05		1/4	10	Fog	Overcast
22	1008.2	37	32	W 10	SW 8			12	8	Overcast	Overcast
23	1013.1	38	32	NW 16	W 15			12	12	Cloudless	Cloudy
24	1010.5	41	34	W 5	OO 0	.22	.28	3	.0	Rain	Fog
25	1002.8	47	32	SW 18	W 10	.09		.0	1/8	Fog	Overcast
26	1014.3	40	33	NW 3	OO 0	.14		1	24	Overcast	Cloudy
27	1013.5	45	34	E 13	E 17	.00	.01	10	1/8	Rain	Fog

RESOLUTION ISLAND METEOROLOGICAL REPORT - 1951

Date	Mean Baro	Temp		Wind		Precip		Vis		Weather	
		Max	Min	0730am	1930am	a. m.	p. m.	am	pm	a. m.	p. m.
1951	Mbs.	F°	F°								
Aug. 28	1011.7	41	38	E 12	E 12	.01	.02	½	.0	Fog	Fog
29	1007.4	42	38	E 19	NE 22	.01	.03	3	½	Fog	Rain
30	1002.6	42	39	E 18	NE 7	.11	.41	1	.0	Rain	Fog
31	1004.8	43	37	E 10	E 8	.14	.12	½	½	Fog	Fog
Sep. 1	1020.0	48	39	E 12	E 7	.08	.01	5	12	Distant fog	Part Cloudy
2	1020.5	43	34	00 0	00 0	.00		½	½	Fog	Fog
3	1010.6	42	38	NE 7	E 10			10	10	Overcast	Overcast
4	1004.4	40	36	00 0	00 0	.01		½	½	Fog	Fog
5	1002.2	40	34	00 0	W 7	.01		10	6	Overcast	Rain
6	994.9	39	34	E 10	SW 21	.23	.04	3	½	Rain	Fog
7	1001.3	35	33	WSW 3	SW 10	.04		.0	12	Fog	Overcast
8	1005.0	39	32	E 7	NW 13	.02		4	12	Rain	Overcast
9	1003.5	43	32	NE 8	00 0	.07	.16	3	2	Rain	Rain
10	1012.0	43	32	WNW 10	W 15	.11	.04	½	10	Fog	Overcast
11	1016.4	37	32	NW 9	00 0			12	24	Cloudy	Cloudless
12	1012.1	39	33	E 13	ENE 9			12	6	Overcast	Overcast
13	1017.3	45	39	00 0	E 10			12	24	Cloudless	Overcast
14	1003.2	39	34	E 27	E 4	.15		3	.0	Rain	Fog
15	997.3	46	38	SE 6	WSW 12	.03	.11	2½	12	Overcast	Overcast
16	1008.2	40	35	WSW 13	SW 10			10	10	Overcast	Overcast
17	1007.6	39	36	E 9	NE 20	.15	.09	4	10	Rain	Overcast
18	1001.2	38	33	NE 9	E 17	.02	.00	½	½	Fog	Fog
19	988.4	41	34	NE 27	N 20	.21	.01	3	½	Rain	Rain
20	1001.4	39	35	NW 12	WNW 8	.05		10	3	Overcast	Overcast
21	1004.2	37	30	W 17	00 0			½	10	Fog	Cloudless
22	1001.6	39	30	E 9	N 5	.00	.00	8	8	Snow	Overcast
23	1011.3	39	35	00 0	E 8	.00		12	12	Overcast	Overcast
24	1012.0	38	34	E 10	NE 6			12	10	Overcast	Overcast
25	1010.3	37	33	00 0	NNE 8			12	12	Overcast	Cloudy
26	1016.0	39	32	E 3	E 5	.00		12	12	Overcast	Part Cloudy
27	1020.8	37	34	00 0	NE 3			24	24	Overcast	Overcast
28	1011.6	37	30	E 13	ENE 27			12	10	Overcast	Overcast
29	999.5	38	31	NE 33	N 21	.00	.02	½	4	Snow	Snow
30	1000.7	38	28	NW 27	WNW 23	.03		12	6	Rain Showers	Overcast
Oct. 1	1000.2	34	29	NW 25	M M	T	T	8	M	Overcast	Missing
2	1009.1	33	29	NW 13	C 00	T	.01	1½	3	Snow	Snow
3	1019.8	33	29	NW 05	C 00	.01	M	4	12	Snow	Overcast
4	1020.6	36	27	C 00	NE 17		T	12	M	Overcast	Overcast
5	1024.0	34	31	N 05	N 02	M	M	12	12	Overcast	Cloudless
6	1019.4	34	28	W 20	M M		.03	12	M	Overcast	Missing
7	1006.8	M	31	W 28	M M	.02	M	4	M	Fog	Missing
8	999.9	35	30	M M	SW 19	M	.01	M	1	Missing	Snow
9	994.9	33	27	SW 07	NW 19	T	.01	¾	8	Snow	Overcast
10	986.6	34	27	SW 13	W 35	.01		½	½	Snow	Overcast
11	990.0	34	30	S 18	NE 18	M	.02	4	10	Distant fog	Overcast
12	1008.4	30	26	M M	NW 12	M	M	M	12	Missing	Overcast
13	1008.7	28	22	M M	SW 14	M	T	M	2	Missing	Snow
14	986.5	35	22	SW 18	W 43	.02	M	1	10	Drizzle	Overcast
15	1008.2	33	27	C 00	E 21	T	M	12	10	Cloudless	Overcast
16	1018.7	32	27	M M	W 04	.02		M	10	Missing	Overcast
17	1004.0	38	28	M M	W 57	.02		M	4	Missing	Fog
18	1039.6	30	23	M M	W 17	M	T	M	12	Missing	Overcast
19	1024.9	33	27	SW 07	E 35	.03	.06	12	½	Overcast	Snow
20	1014.2	34	M	M M	W 17	M		M	8	Missing	Overcast
21	1017.3	32	25	M M	W 17	.01	T	M	10	Missing	Cloudless
22	1020.5	30	25	W 07	SW 04			12	12	Part Cloudy	Cloudless

RESOLUTION ISLAND METEOROLOGICAL REPORT - 1951

Date	Mean	Temp		Wind		Precip		Vis		Weather	
		Baro	Max	Min	0730am	1930am	a.m.	p.m.	am	pm	A. M.
1951	Mbs.	Fo	Fo								
Oct. 23	1012.6	29	26	NE 03	NE 10		.03	12	1 1/2	Overcast	Snow
24	1022.0	27	23	W 22	W 30	M	T	12	1	Part Cloudy	Snow Showers
25	1033.0	29	19	C 00	M M		M	12	M	Part Cloudy	Missing
26	1008.6	30	25	S 16	SW 13		T	12	10	Overcast	Overcast
27	996.9	29	26	S 01	N 03	.04	M	1 1/2	12	Snow	Cloudless
28	996.4	31	24	N 22	N 13	.02	.02	6	1 1/2	Snow	Snow Showers
29	1007.1	31	27	NE 09	NE 17			10	8	Overcast	Overcast
30	996.8	30	26	M M	NW 13	.01	.03	M	5	Missing	Overcast
31	1007.1	26	22	NW 16	NW 09	.02	M	1 1/2	10	Snow	Overcast
Nov. 1	1004.5	29	19	N 07	N 17			10	8	Overcast	Overcast
2	1009.9	29	24	NW 07	W 33	T		05	8	Snow	Overcast
3	1032.6	27	21	M M	C 00	M	T	M	8	Missing	Overcast
4	1017.0	32	20	M M	SW 22	.02		M	10	Missing	Overcast
5	1006.6	30	25	S 09	SW 26	.01	.01	12	6	Overcast	Snow Showers
6	1008.8	M	19	SW 22	M M	.02	M	10	M	Overcast	Missing
7	1005.7	27	22	SW 19	W 26	T		12	10	Overcast	Cloudy
8	1016.2	27	23	W 09	SE 03	T		12	10	Overcast	Overcast
9	1008.6	27	23	E 12	N 13	T	.01	10	10	Overcast	Overcast
10	1004.1	26	22	M M	NW 04	.01		M	10	Missing	Cloudy
11	1003.5	26	21	C 00	M M	T	M	12	M	Overcast	Missing
12	1007.7	M	17	W 16	M M	T	T	12	M	Overcast	Missing
13	1013.7	22	16	NW 15	NW 04	.01		10	8	Snow	Overcast
14	1017.4	26	24	NE 06	NE 13	M	T	3/4	10	Snow	Overcast
15	1010.3	28	22	NE 22	M M	.02	.01	6	M	Snow	Missing
16	1011.0	27	21	N 14	N 14	T		3	10	Snow	Overcast
17	1014.8	24	18	NW 08	NE 06			12	8	Overcast	Cloudy
18	1009.6	20	14	W 05	NW 07			12	10	Part Cloudy	Cloudy
19	1014.8	19	12	C 00	NW 05			12	8	Cloudless	Overcast
20	1021.8	20	11	M M	SW 19	T	T	M	8	Missing	Overcast
21	1015.6	22	15	SW 17	SW 21	.01	.01	10	3	Overcast	Snow Showers
22	1002.2	26	14	S 17	S 17	T	.02	12	4	Overcast	Snow
23	999.7	27	17	SW 24	SW 16	.01	T	10	6	Overcast	Overcast
24	990.3	17	13	SW 09	W 19	T		12	10	Overcast	Overcast
25	993.0	16	06	SW 05	W 30	.02	T	12	5	Cloudy	Overcast
26	998.7	15	09	M M	W 21	M	T	M	6	Missing	Snow
27	1011.0	17	09	SW 17	N 04	.01	T	12	6	Overcast	Overcast
28	1005.2	20	12	NW 10	SW 16	T		12	8	Overcast	Overcast
29	1000.8	20	13	SW 21	W 22	.02		10	8	Snow	Cloudy
30	1000.1	24	16	S 12	N 10	T		10	10	Overcast	Part Cloudy

CAPE HOPES ADVANCE METEOROLOGICAL REPORT - 1951

Date 1951	Mean Baro	Temp		Wind		Precip.		Vis.		Weather	
		Max	Min	0730am	1930am	a.m.	p.m.	am	pm	a. m.	p. m.
July	Mbs.	F°	F°								
1	1001.0	37	32	E 12	SE 09		.09	12	0	Overcast	Fog
2	1007.0	39	32	NE 05	NW 05	.01		0	0	Fog	Fog
3	1012.2	45	32	C 00	C 00	M		0	12	Fog	Dist. Fog
4	1013.0	55	34	W 03	C 00			12	12	Overcast	Cloudless
5	1006.6	63	42	SE 05	SW 10		.05	12	12	Overcast	Overcast
6	994.0	47	32	W 17	NW 25	.14		0	12	Rain	Part. Cloudy
7	997.6	61	32	W 23	S 25	T	M	12	12	Overcast	Cloudy
8	985.8	60	38	S 23	M M	.35	M	9	-	Overcast	---
9	995.8	50	36	C 00	C 00			12	12	Cloudy	Overcast
10	1001.4	58	35	NW 13	S 11			12	12	Cloudless	Overcast
11	1004.2	47	41	M M	C 00	M		-	12	---	Cloudy
12	1001.3	60	42	S 16	W 14	T	.03	12	12	Overcast	Overcast
13	1003.3	56	42	SW 10	M M		M	12	-	Overcast	---
14	993.8	M	34	SW 14	M M	.32	M	12	-	Partly Cloudy	---
15	991.0	58	36	SE 16	M M	M	M	12	-	Overcast	---
16	1002.7	46	31	NW 02	SW 12	.07	M	6	0	Drizzle	Fog
17	Missing	M	M	M M	M M	M	M	-	-	---	---
18	1012.7	60	32	W 04	S 11			12	12	Overcast	Partly Cloudy
19	1009.6	66	49	M M	SE 22	M		-	12	---	Overcast
20	993.4	47	26	M M	SE 23	M	.17	-	1/2	---	Fog
21	992.2	42	35	E 04	E 03	.30	T	0	1/8	Fog	Fog
22	981.7	43	34	M M	NW 16	.21	.03	-	10	---	Cloudy
23	990.9	50	32	S 10	SW 9	M		12	0	Cloudy	Fog
24	997.8	M	25	S 02	M M	M	M	10	-	Overcast	---
25	1008.5	40	34	NW 05	SE 17			1/8	0	Fog	Fog
26	1011.7	56	30	NW 19	SE 06		M	12	12	Overcast	Overcast
27	1012.9	52	30	NW 05	NW 12	M		12	2 1/2	Overcast	Cloudy
28	1013.4	52	30	S 02	NW 08	.02		12	1	Overcast	Fog
29	1008.3	43	32	NW 17	NW 21		M	3	12	Dist. Fog	Overcast
30	1012.8	41	32	NW 17	W 28			10	12	Partly Cloudy	Cloudless
31	1011.8	M	42	NW 07	M M	M	M	12	-	Overcast	---
Aug.											
1	1006.8	46	M	M M	C 00	M	00	-	12	---	Partly Cloudy
2	1001.0	45	20	SE 07	NW 15	00	11	12	2	Overcast	Rain
3	1001.3	40	36	NW 16	NW 23		M	10	10	Cloudless	Partly Cloudy
4	1006.1	M	32	SW 07	M M	M	M	12	-	Overcast	---
5	1000.6	63	M	M M	NW 17	M	.05	-	2 1/2	---	Overcast
6	1001.0	46	35	SW 10	SW 17	M	.17	12	12	Partly Cloudy	Partly Cloudy
7	1003.9	41	M	M M	NW 15	M	M	-	12	---	Cloudy
8	1007.6	41	34	E 05	SE 08		T	1/4	1/8	Fog	Drizzle
9	1008.2	46	35	M M	NW 06	M		-	12	---	Cloudy
10	1011.5	43	34	M M	NW 16	M		-	12	---	Overcast
11	1013.9	57	36	M M	SE 19	M		-	12	---	Overcast
12	1007.3	49	39	NE 19	SE 15	.07	.09	12	3/8	Overcast	Fog
13	1004.5	46	37	NW 07	N 06		.02	6	9	Dist. Fog.	Overcast
14	1007.1	42	33	NW 19	W 20		M	6	12	Overcast	Overcast
15	1008.7	49	35	N 13	NW 10	T		12	0	Overcast	Fog
16	1007.6	45	34	M M	S 20	M		-	12	---	Overcast
17	1007.3	49	37	S 17	NW 16	T	M	6	0	Rain	Fog
18	1008.3	45	36	NW 02	NW 04			12	10	Overcast	Overcast
19	1004.9	41	33	M M	W 09	M	T	-	12	---	Overcast
20	999.4	44	35	NW 16	NW 22	.05		1/8	6	Fog	Overcast
21	1005.0	39	34	NW 26	NW 21			10	12	Overcast	Partly Cloudy
22	1009.0	53	34	W 10	NW 18		T	12	10	Overcast	Overcast
23	1014.6	52	34	NW 12	SW 12		.03	10	6	Cloudless	Rain
24	1006.0	60	40	W 23	SW 08	.21	.15	8	10	Rain	Overcast
25	1002.0	56	40	NW 28	NW 17	.08	M	1/4	12	Fog	Overcast
26	1012.9	57	39	N 02	SE 13		.06	12	12	Partly Cloudy	Overcast

CAPE HOPES ADVANCE METEOROLOGICAL REPORT - 1951

Date	Mean	Temp		Wind		Precip.		Vis.		Weather	
		Bare	Max	Min	0730am	1930am	a.m.	p.m.	am	pm	a. m.
1951	Mbs.	F°	F°								
Aug.											
27	1008.6	56	38	SE 19	S 17	.46		1/8	1	Rain	Fog
28	1007.3	60	40	SE 04	S 10		T	1/2	2	Shallow Fog	Mist
29	1004.1	41	35	S 14	SE 16	.24	.05	1/2	1/4	Fog	Fog
30	1000.9	39	36	E 09	SE 10	.09	.14	0	1/2	Drizzle	Drizzle
31	1004.3	42	35	N 07	N 01	.09	.02	1/8	10	Rain	Overcast
Sept											
1	1017.9	42	35	SE 04	SE 14	T		.0	4	Fog	Overcast
2	1017.7	54	37	W 07	S 22	M		12	10	Overcast	Overcast
3	1009.8	48	38	S 07	M M		M	10	M	Overcast	Missing
4	1002.4	46	36	S 05	NW 09	M	.03	12	1/8	Overcast	Fog
5	1001.4	38	35	M M	NW 10	.05	.05	M	12	Missing	Overcast
6	994.7	38	33	E 14	N 26	.08	.09	1/8	8	Overcast	Overcast
7	999.4	38	30	N 10	SE 07	T	.02	1/2	12	Overcast	Cloudy
8	1003.8	38	31	E 04	N 16	.03		10	12	Overcast	Part. Cloudy
9	1011.3	35	32	N 23	N 17		.01	1/4	8	Fog	Rain
10	1014.8	41	32	NW 16	W 08			12	12	Overcast	Overcast
11	1016.1	49	35	W 02	SE 07	M		12	12	Overcast	Part. Cloudy
12	1010.7	39	32	SE 26	SE 21			12	10	Cloudy	Overcast
13	1012.2	44	31	S 14	SE 33		.14	1/8	12	Fog	Overcast
14	997.1	55	32	S 24	S 23	.38	M	1/4	12	Rain	Partly Cloudy
15	991.6	54	43	M M	W 17	M	M	M	12	Missing	Overcast
16	1007.4	47	38	N 17	SW 04		M	12	12	Overcast	Overcast
17	1006.1	43	33	M M	E 10	M	.03	M	1/2	Missing	Fog
18	1000.4	41	32	E 17	E 22	.03	.02	1/4	8	Drizzle	Overcast
19	995.3	38	32	N 12	NW 38	M		12	8	Overcast	Overcast
20	1009.5	36	31	M M	N 26	M		M	10	Missing	Cloudy
21	1003.9	38	30	N 10	NE 10			12	7	Cloudless	Overcast
22	1003.6	42	29	NE 16	NW 13	M		12	10	Overcast	Overcast
23	1011.0	M	31	N 14	M M	T	.01	1/4	M	Snow	Missing
24	1012.8	M	31	E 09	M M	.05	M	1/2	M	Rain & Snow	Missing
25	1010.6	M	31	SE 05	M M	T	M	12	M	Overcast	Missing
26	1013.4	M	28	E 10	M M		M	3	M	Cloudy	Missing
27	1019.4	35	27	SE 05	E 08	T	T	12	10	Overcast	Overcast
28	1007.2	34	30	M M	E 36	M	T	M	5	Missing	Overcast
29	1006.0	36	29	M M	N 23	T		M	12	Missing	Partly Cloudy
30	1005.9	M	27	N 37	M M	T	M	1	M	Snow	Missing
Oct.											
1	1008.3	31	27	N 40	M M		M	12	M	Overcast	Missing
2	998.1	31	27	N 26	N 34			12	1/2	Overcast	Rain Shower
3	1020.5	34	26	N 23	N 14		M	12	10	Cloudy	Cloudy
4	1021.5	33	26	NE 12	NE 10		T	12	5	Partly Cloudy	Rain & Snow Shower
5	1027.5	34	26	N 17	N 24	M	M	12	10	Partly Cloudy	Cloudy
6	1023.5	37	28	NW 24	M M		M	12	M	Overcast	Missing
7	1011.5	M	33	NW 26	M M		M	10	M	Overcast	Missing
8	1000.8	37	20	M M	N 23	.01	T	M	12	Missing	Overcast
9	998.6	45	28	NW 33	NW 26	T	M	10	10	Overcast	Overcast
10	982.1	37	22	S 26	NW 26	.05	T	1/8	10	Snow	Overcast
11	989.9	33	29	NW 26	NE 16	M	T	1	8	Overcast	Snow Shower
12	1014.6	30	24	M M	NW 35	M	M	M	10	Missing	Overcast
13	1000.5	29	22	M M	S 39	M	.01	M	1/2	Missing	Snow
14	991.0	39	23	NW 24	NW 42		M	12	6	Overcast	Overcast
15	1010.6	32	25	N 09	SE 31		M	10	1/2	Overcast	Snow
16	1014.9	31	25	M M	E 19	M	.04	M	10	Missing	Overcast
17	1017.2	37	22	M M	NW 47	M		M	10	Missing	Overcast
18	1039.2	28	21	M M	SW 09	M		M	12	Missing	Part. Cloudy
19	1032.6	35	20	S 09	N M		.03	12	M	Overcast	Missing
20	1010.6	25	M M	M M	SW 17	M	T	M	12	Missing	Overcast

CAPE HOPES ADVANCE METEOROLOGICAL REPORT - 1951

Date	Mean		Temp		Wind		Precip.		Vis.		Weather	
	Baro	Mbs.	Max	Min	0730am	1930am	a.m.	P.M.	am	pm	a. m.	P. M.
1951												
Oct.												
21	1015.4		29	19	N M	V 21	M	M	M	12	Missing	Cloudless
22	1019.8		26	19	W 07	V 14			12	12	Cloudless	Overcast
23	1013.8		28	18	S 04	NW 19		T	12	12	Overcast	Overcast
24	1026.2		26	18	NW 29	NW 19		M	12	12	Cloudy	Partly Cloudy
25	1030.0		26	16	S 14	M M		M	12	M	Overcast	Missing
26	1006.7		28	15	SW 09	V 09			12	12	Overcast	Partly Cloudy
27	997.9		28	22	N 21	NW 25	T	T	5	1	Overcast	Drizzle
28	1000.5		27	21	NW 24	N 18			12	12	Overcast	Partly Cloudy
29	1007.4		29	21	NW 12	NE 10		T	12	10	Overcast	Overcast
30	1002.6		27	23	M M	NW 35	M		M	12	Missing	Overcast
31	1009.0		27	21	NW 31	N 16		M	10	5	Overcast	Overcast
Nov.												
1	1002.5		25	17	N 17	NW 23			12	10	Overcast	Overcast
2	1014.4		25	20	NW 28	NW 24	M		10	10	Overcast	Overcast
3	1030.1		24	18	M M	E 16	M	T	M	12	Missing	Overcast
4	994.0		32	18	SE 52	S 31	.10		.0	1/4	Snow	Drift. Snow
5	1002.8		20	09	SW 10	S 21			12	12	Overcast	Cloudless
6	1003.8		M	09	SW 17	M M		M	12	M	Overcast	Missing
7	1006.8		25	17	S 24	NW 28	M		12	12	Overcast	Overcast
8	1013.3		25	17	SW 10	SW 09			12	12	Overcast	Overcast
9	1009.2		27	17	E 23	E 10			5	12	Overcast	Overcast
10	1000.5		27	22	M M	NW 10	M		M	12	Missing	Overcast
11	1006.6		25	20	NW 14	M M	.01	.02	3/8	M	Overcast	Missing
12	1008.8		25	19	NW 21	M M	T	M	12	M	Overcast	Missing
13	1014.9		21	13	NW 17	N 10	.01		2	8	Snow	Overcast
14	1018.0		22	13	NW 14	NE 22	M	.01	6	7	Overcast	Snow Showers
15	1014.4		25	16	NE 10	M 10		M	12	M	Overcast	Missing
16	1013.8		36	20	NW 21	NW 26			12	10	Cloudy	Overcast
17	1015.4		21	16	NW 21	NW 16			12	10	Overcast	Overcast
18	1015.3		22	17	NW 09	NW 04		T	10	1	Cloudy	Snow
19	1016.3		22	14	NW 23	NW 18	.03		1/8	10	Snow	Overcast
20	1019.9		17	02	M M	N 10	M		M	12	Missing	Cloudy
21	1010.9		13	03	S 21	S 30			12	8	Overcast	Overcast
22	1000.8		23	08	S 21	S 20		.01	6	10	Overcast	Overcast
23	998.8		09	04	W 24	SW 14	T		12	10	Partly Cloudy	Partly Cloudy
24	994.7		08	-6	S 16	SW 13	M		12	12	Cloudless	Cloudless
25	994.1		08	-8	NW 17	SW 14			12	10	Cloudless	Overcast
26	1001.9		10	-3	M M	NW 29	M		M	12	Missing	Partly Cloudy
27	1010.8		10	00	NW 12	S 12			12	10	Overcast	Overcast
28	1001.7		12	-1	S 16	S 20		T	12	10	Overcast	Overcast
29	998.8		14	.01	SW 16	W 09	T		12	8	Overcast	Overcast
30	1002.6		14	04	N 23	NW 31	.01		5	10	Drifting Snow	Part Cloudy

NOTTINGHAM ISLAND METEOROLOGICAL REPORT - 1951

Date	Temp			Wind			Precip.		Vis.		Weather	
	Baro	Max	Min	0730am	1930am	a.m.	p.m.	am	pm	a. m.	p. m.	
July	Mbs.	F°	F°									
1	1002.6	51	35	ESE 6	SW 3			12	12	Overcast	Overcast	
2	1008.0	54	37	SW 3	SW 5			12	12	Cloudy	Cloudless	
3	1013.2	50	36	S 3	S 8			12	12	Cloudless	Cloudless	
4	1013.8	50	35	W 6	W 10			3	12	Distant Fog	Cloudless	
5	1002.7	46	36	S 9	S 7	.07	.03	12	1/8	Overcast	Fog	
6	997.5	45	34	NW 12	SW 14		.15	1/8	10	Fog	Cloudy	
7	991.4	41	34	SW 20	S 10	.25	.12	3	1/2	Overcast	Fog	
8	987.0	42	35	W 4	SW 23	.09		1/4	12	Fog	Cloudless	
9	993.0	41	33	S 15	SW 15			12	10	Overcast	Cloudless	
10	998.0	43	35	SW 18	SW 6			10	10	Overcast	Cloudless	
11	1001.9	46	34	S 11	E 15			1/4	10	Fog	Overcast	
12	994.6	41	35	S 12	SW 24	.09		1/8	1	Fog	Fog	
13	991.3	47	35	SE 21	SE 16	.01	.03	8	4	Rain	Rain	
14	986.8	46	35	SE 11	E 14			10	12	Cloudy	Overcast	
15	997.1	53	37	W 5	NW 9			12	10	Overcast	Overcast	
16	1005.3	59	34	NW 15	NW 12			12	12	Overcast	Cloudless	
17	1010.0	50	35	NW 9	W 10			12	12	Cloudless	Part. Cloudy	
18	1011.6	48	37	W 8	SW 8			12	12	Cloudy	Cloudless	
19	1007.6	48	38	SW 9	S 12			12	12	Overcast	Cloudy	
20	994.3	49	36	NE 6	NE 4		.08	10	8	Overcast	Rain	
21	992.6	48	32	S 3	SE 6			12	12	Partly Cloudy	Cloudy	
22	988.6	50	32	NE 9	NE 12			10	12	Cloudy	Rain	
23	996.1	56	39	NE 15	N 18		T	12	10	Cloudy	Cloudy	
24	1006.1	55	38	N 18	NW 5			12	10	Partly Cloudy	Overcast	
25	1011.3	53	39	SW 3	W 6			12	12	Cloudless	Cloudy	
26	1011.7	56	36	SW 8	N 3		T	1/4	12	Fog	Cloudless	
27	1014.7	51	35	NW 3	NW 12			12	12	Overcast	Part. Cloudy	
28	1015.9	49	36	00 00	W 4			12	12	Cloudless	Cloudless	
29	1018.2	56	38	00 00	W 9			12	12	Cloudless	Cloudless	
30	1016.3	49	38	W 9	W 5			12	8	Cloudless	Part. Cloudy	
31	1012.0	46	38	W 10	W 9			12	12	Overcast	Part. Cloudy	
Aug.												
1	1008.9	49	33	N 2	E 9		T	12	10	Partly Cloudy	Cloudy	
2	1006.2	44	38	NE 8	W 12	.02		7	12	Rain	Cloudy	
3	1006.2	44	33	N 13	NW 10			12	10	Partly Cloudy	Overcast	
4	1003.2	41	38	NW 10	SE 6	.11	.19	2	2	Overcast	Rain	
5	1003.7	45	34	W 4	NW 6		T	12	8	Partly Cloudy	Part. Cloudy	
6	1002.6	43	33	N 19	NW 15	T	T	10	12	Overcast	Overcast	
7	1005.3	46	35	NW 14	NW 10	.01		1/2	10	Rain	Cloudy	
8	1006.7	44	33	W 6	SW 7			12	12	Overcast	Cloudy	
9	1009.3	52	38	S 3	00 0			12	12	Cloudless	Cloudless	
10	1013.0	54	40	E 5	NE 5			12	12	Partly Cloudy	Cloudless	
11	1012.0	49	40	E 8	NE 3	.09	.05	10	10	Rain	Rain	
12	1007.9	51	44	NE 8	NE 18		T	10	9	Cloudy	Rain	
13	1010.7	55	40	NW 2	N 18		T	12	12	Overcast	Cloudy	
14	1012.7	51	39	NW 12	NW 11			12	12	Cloudless	Part. Cloudy	
15	1011.1	49	33	NW 5	S 12		.05	12	12	Cloudless	Overcast	
16	1008.1	47	36	SW 8	NW 10	.06		1/8	10	Fog	Overcast	
17	1011.0	51	36	N 12	NW 10		.01	12	10	Overcast	Overcast	
18	1011.5	47	31	N 15	NW 14	.07		10	10	Cloudy	Cloudy	
19	1009.7	44	33	NW 4	N 12	T		8	12	Rain	Overcast	
20	1005.7	39	32	NW 12	NW 14			12	10	Overcast	Overcast	
21	1010.6	40	31	NW 12	W 6			12	12	Cloudy	Overcast	
22	1014.7	41	35	SW 12	E 6	.04	.20	4	10	Rain	Cloudy	
23	1008.1	45	33	E 12	SW 20	.10	.23	10	3	Rain	Dist. Fog	
24	1003.0	43	37	S 6	W 4		T	1/8	1/8	Fog	Drizzle	
25	1009.5	40	34	NW 3	SW 6			1/8	10	Fog	Overcast	
26	1012.8	51	33	W 6	E 9		T	12	12	Partly Cloudy	Overcast	
27	1004.7	34	38	E 30	SE 9	.25	.06	10	1/8	Overcast	Drizzle	

NOTTINGHAM ISLAND METEOROLOGICAL REPORT - 1951

Date	Mean Baro	Temp		Wind				Precip.		Vis.		Weather	
		Max	Min	0730am	1930am	a.m.	p.m.	am	pm	a.m.	p.m.		
1951	Mbs.	F°	F°										
Aug. 28	1006.9	48	37	NW	3 E	24	.04	.19	1/2	7	Fog	Rain	
29	1006.8	46	42	E	7 NE	11	.03	.49	10	8	Rain	Rain	
30	1005.4	41	37	NE	18 NNE	13	.63	.10	3	8	Rain	Rain	
31	1010.3	36	32	N	23 NW	18	.01	.28	8	5	Rain	Hail Shower	
Sept 1	1017.0	44	32	W	07 E	10	.07		1/2	12	Rain	Cloudy	
2	1013.6	49	34	E	10 E	09	M	.02	12	8	Overcast	Rain	
3	1010.1	M	39	NE	10 M	M	T	.07	10	-	Overcast	---	
4	1007.8	43	35	NW	10 N	12	.03	T	1/4	10	Fog	Overcast	
5	1005.1	43	31	M	M NE	12	M		-	12	---	Cloudy	
6	1004.6	33	29	N	19 NW	13	T		8	12	Snow	Cloudy	
7	1000.5	44	26	C	00 W	07	M	T	12	12	Cloudy	Cloudy	
8	1003.7	39	31	W	08 W	05	T	T	1	1/4	Snow	Fog	
9	1009.4	40	30	E	04 SE	09	T		8	12	Overcast	Overcast	
10	1015.4	39	32	W	04 W	10			12	12	Overcast	Overcast	
11	1015.3	47	35	S	04 E	23	M		12	12	Overcast	Cloudless	
12	1010.8	43	34	E	21 E	21			12	10	Partly Cloudy	Cloudless	
13	1007.2	40	34	NE	19 E	17		.26	10	8	Cloudy	Overcast	
14	995.6	49	37	E	10 E	10	.29	.12	1	1/2	Drizzle	Rain	
15	985.1	46	33	M	M NW	13	M	.09	-	12	---	Drizzle	
16	1007.6	45	32	W	22 N	13		M	12	12	Cloudy	Overcast	
17	1005.5	42	34	M	M SE	14	M		-	12	---	Partly Cloudy	
18	1005.3	42	33	E	12 NE	13			12	12	Partly Cloudy	Overcast	
19	1008.5	41	30	N	06 NW	13	M	T	12	6	Overcast	Overcast	
20	1013.5	36	28	M	M NW	07	M		-	12	---	Partly Cloudy	
21	1010.8	M	26	N	04 M	M		T	12	-	Cloudless	---	
22	1009.5	35	30	N	05 NE	10	T		12	12	Overcast	Overcast	
23	1014.2	M	31	C	00 M	M	M	M	12	-	Overcast	---	
24	1015.5	M	26	E	04 M	M		M	12	-	Overcast	---	
25	1012.2	M	31	E	06 M	M	T	M	12	-	Overcast	---	
26	1015.6	M	29	N	10 M	M	T	M	5	-	Snow	---	
27	1024.0	34	26	N	03 M	M		M	10	-	Overcast	---	
28	1016.9	33	28	M	M NE	10	M		-	10	---	Overcast	
29	1019.0	33	27	M	M NW	10	M		-	12	---	Part. Cloudy	
30	1016.8	34	24	NW	07 M	M		M	12	-	Cloudy	----	
Oct. 1	1020.6	33	21	N	04 M	M		M	12	M	Cloudy	Missing	
2	1020.8	32	28	NE	07 C	00			12	12	Overcast	Overcast	
3	1025.2	36	29	E	05 E	05		M	12	12	Overcast	Cloudless	
4	1028.6	34	26	NE	08 N	05			12	12	Overcast	Cloudless	
5	1030.8	33	25	NW	07 W	16	M	T	12	8	Overcast	Rain & Snow	
6	1023.0	35	31	W	21 M	M	T	.04	3	M	Hail Shower	Missing	
7	1010.0	M	33	S	22 M	M	.02	M	1	M	Rain	Missing	
8	1009.3	31	27	M	M NW	22	M	T	M	6	Missing	Cloudy	
9	1005.1	31	24	NW	12 SW	16		.01	12	1/4	Overcast	Snow	
10	978.6	30	28	NW	23 W	16	.15	T	3	3	Overcast	Snow	
11	1002.1	28	24	N	21 N	09	T	T	10	12	Overcast	Cloudy	
12	1023.5	27	21	M	M NW	07	M	M	M	10	Missing	Overcast	
13	986.3	34	20	M	M SW	26	T	.22	M	4	Missing	Rain	
14	997.1	32	28	W	21 N	21	T	M	1/2	12	Snow	Overcast	
15	1013.2	25	22	NE	09 NE	08		M	10	12	Overcast	Overcast	
16	1015.6	25	18	M	M NE	04	.10	T	M	12	Missing	Overcast	
17	1021.8	23	16	M	M NW	22	T	T	M	8	Missing	Snow Shower	
18	1033.0	30	19	M	M SW	16	T	T	M	12	Missing	Part. Cloudy	
19	1018.5	28	23	S	22 SE	20	T	.10	10	1/2	Snow Shower	Snow	
20	993.0	28	M	M	M SW	31	M	T	M	12	Missing	Drifting Snow	
21	1009.6	25	18	M	M W	21	T	T	M	10	Missing	Cloudy	
22	1013.4	28	19	SW	24 W	17	.10	T	2	12	Snow Shower	Cloudless	

NOTTINGHAM ISLAND METEOROLOGICAL REPORT - 1951

Date	Mean	Temp.		Wind		Precip.		Vis.		Weather			
		Baro	Max	Min	0730am	1930am	a.m.	p.m.	am	pm	a. m.	p. m.	
1951	Mbs.	F°	F°										
Oct.													
23	1016.5	23	16	NW	04	W	16	T		5	12	Snow	Part. Cloudy
24	1027.2	25	18	NW	16	C	00		M	12	12	Cloudless	Part. Cloudy
25	1016.7	31	16	SE	31	N	N	.10	M	1	M	Snow	Missing
26	1004.1	27	22	SW	21	NW	21	T	T	5	6	Overcast	Snow
27	1002.3	26	17	NW	10	W	04	T	T	10	5	Overcast	Hail Shower
28	1001.6	29	22	SW	05	W	02	T	T	10	10	Overcast	Overcast
29	1008.0	26	17	E	04	E	14	T	T	10	6	Overcast	Snow
30	1010.9	25	20	M	M	NW	05	M	.10	M	1/4	Missing	Snow
31	1012.8	22	11	N	04	E	08	T	T	12	10	Cloudy	Overcast
Nov.													
1	1011.5	21	16	NE	04	NW	08			12	12	Overcast	Overcast
2	1018.3	21	12	N	04	W	10	M		10	12	Overcast	Cloudless
3	1029.9	22	14	N	M	SE	14	M		M	12	Missing	Cloudless
4	995.5	23	18	NE	26	NW	13	.10	T	2	10	Snow	Snow Showers
5	990.8	25	18	SW	17	W	23	T	T	3	2	Snow Showers	Snow Showers
6	991.9	M	15	SW	19	N	M	.10	M	10	M	Snow Showers	Missing
7	1006.1	24	14	NW	16	NW	10	T	T	1/2	12	Snow Showers	Snow Showers
8	1007.3	28	17	SW	12	S	17	T	.11	12	1/4	Overcast	Snow
9	1010.7	25	21	SW	10	S	04	T		12	12	Overcast	Overcast
10	1009.4	23	19	M	M	E	04	M	T	M	12	Missing	Cloudy
11	1009.1	21	17	NE	09	N	M	T	M	12	M	Overcast	Missing
12	1014.2	17	07	N	05	N	M	T	T	12	M	Overcast	Missing
13	1022.9	13	07	N	07	W	07	T	T	12	12	Overcast	Snow Showers
14	1025.3	11	-1	N	08	N	04	M		12	12	Cloudless	Cloudless
15	1021.8	10	00	N	04	N	M		M	12	M	Partly Cloudy	Missing
16	1021.4	16	00	N	10	N	04	T	T	10	12	Overcast	Overcast
17	1016.5	16	10	NW	05	NE	04	T	T	12	12	Overcast	Overcast
18	1016.5	16	05	W	07	N	15	.10	T	12	12	Overcast	Part. Cloudy
19	1021.8	10	-5	N	13	W	07			12	12	Cloudy	Overcast
20	1009.5	24	-1	N	M	SW	21	T	T	M	1/2	Missing	Snow
21	997.6	25	17	S	26	S	31	T	T	1	1	Snow	Snow
22	984.9	27	21	S	16	S	30	.10	T	1/2	1	Snow	Snow
23	989.8	17	13	S	23	S	21	.10	T	1/2	1/2	Snow Showers	Snow
24	992.5	13	10	SW	09	SW	21	M	T	12	2	Cloudless	Snow
25	993.8	06	-5	W	13	N	04	T	T	1/2	12	Drifting Snow	Snow Showers
26	1004.0	04	-7	M	M	W	09	M		M	12	Missing	Cloudless
27	1006.7	14	-1	W	09	S	13		T	12	4	Overcast	Snow
28	994.6	17	08	E	07	W	03	T	T	2	1	Snow	Snow
29	1000.9	08	-11	N	09	N	09	T		12	12	Cloudless	Cloudless
30	1009.2	-1	-16	N	07	NW	09			12	12	Cloudless	Cloudless

CHURCHILL METEOROLOGICAL REPORT - 1951

Date	Mean Temp.		Wind		Precip.		Vis.		Weather		
	Baro	Max	Min	0730am	1930am	A.M.	P.M.	am	pm	A. M.	P. M.
July	Mbs.	F°	F°								
1	1010.2	51	40	HNW 10	HNE 7			12	12	Partly Cloudy	Overcast
2	1012.6	70	43	NE 2	E 10			12	12	Cloudless	Part. Cloudy
3	1010.8	82	53	S 23	NE 10	T	T	12	12	Overcast	Rain Shower
4	1008.7	85	56	WSW 17	SW 18			12	12	Cloudy	Overcast
5	1011.1	53	41	HNE 8	HNW 12	.03	T	3	12	Shallow Fog	Overcast
6	1007.2	70	41	WSW 12	S 16			12	12	Cloudless	Part. Cloudy
7	992.5	75	39	SW 14	N 24		.01	12	8	Part. Cloudy	Rain
8	1000.7	62	39	N 14	NW 8		T	12	12	Cloudy	Cloudy
9	1007.3	59	49	HNW 18	WNW 8			12	12	Cloudless	Cloudy
10	1007.2	66	48	WNW 12	WSW 12	T	.05	12	12	Overcast	Rain Shower
11	1001.7	55	48	WNW 18	NW 18	T	.04	12	12	Overcast	Dist. Precip.
12	1002.8	55	45	WSW 22	WNW 26	.10	T	12	12	Overcast	Part. Cloudy
13	1003.8	51	40	WNW 26	WNW 28	T	T	12	12	Rain Shower	Overcast
14	1011.2	55	43	NW 26	NW 16	T		12	12	Overcast	Cloudy
15	1015.9	56	45	WNW 21	HNW 8	T		12	12	Part. Cloudy	Part. Cloudy
16	1020.8	63	45	WNW 7	ESE 18		.05	12	12	Cloudless	Overcast
17	1009.1	49	40	ESE 15	HNE 13	.08	.22	12	1	Rain	Drizzle
18	1013.3	66	39	N 14	HNW 2	.07		12	12	Overcast	Part. Cloudy
19	1009.1	67	47	SSW 8	HNE 15			12	12	Cloudless	Cloudless
20	1008.2	53	43	HNE 9	HNE 10			12	12	Cloudless	Overcast
21	1003.3	52	48	NW 16	HNW 16	T	.02	12	12	Part. Cloudy	Drizzle
22	1009.9	61	47	HNW 16	HNE 9			12	12	Part. Cloudy	Cloudless
23	1010.0	76	42	SSW 14	S 16			12	12	Part. Cloudy	Dist. Precip.
24	1006.5	60	42	WSW 12	N 14		T	12	12	Cloudless	Overcast
25	1015.5	49	39	NE 18	NE 8	.01		2	12	Drizzle	Part. Cloudy
26	1020.0	69	38	SE 2	SE 15			12	12	Cloudless	Cloudless
27	1014.8	69	47	SSE 6	HNW 10		.12	12	10	Part. Cloudy	Rain Shower
28	1012.4	72	55	WNW 7	NE 10		T	12	12	Cloudless	Part. Cloudy
29	1020.6	53	43	N 12	ESE 8	T	T	1 1/2	8	Drizzle	Drizzle
30	1018.6	60	44	SE 13	HNE 8			12	12	Overcast	Overcast
31	1015.8	64	41	SW 6	E 12			12	12	Cloudy	Cloudless
Aug.											
1	1007.5	73	50	SW 16	N 16		T	12	12	Overcast	Dist. Precip.
2	1019.1	59	42	N 24	W 5			12	12	Cloudless	Cloudless
3	1015.9	71	46	SW 12	SW 8			12	12	Cloudy	Cloudy
4	1008.5	81	53	SW 12	W 9			12	12	Part. Cloudy	Cloudy
5	1012.8	56	49	E 4	NE 14	.25		6	12	Drizzle	Cloudless
6	1015.3	60	39	SE 12	E 18		.10	12	10	Cloudy	Rain
7	1011.8	46	41	E 15	N 10	.35	.04	8	12	Rain	Overcast
8	1013.1	56	43	NE 4	NE 7			12	12	Part. Cloudy	Part. Cloudy
9	1010.4	62	42	SW 10	N 8		.02	12	8	Overcast	Rain
10	1014.4	52	45	NW 9	NW 15			12	12	Overcast	Part. Cloudy
11	1017.4	58	46	NW 13	SW 6	T	T	12	12	Cloudy	Overcast
12	1015.7	62	51	NW 6	N 8	T		12	12	Overcast	Part. Cloudy
13	1022.4	58	40	E 7	NE 6			12	12	Cloudless	Part. Cloudy
14	1022.1	72	44	SW 18	W 7			12	12	Overcast	Part. Cloudy
15	1017.8	79	54	W 12	SW 8			12	12	Cloudless	Overcast
16	1012.6	83	59	W 16	SW 11			12	12	Cloudy	Part. Cloudy
17	1015.1	55	47	W 12	E 13			12	12	Cloudy	Overcast
18	1016.9	54	45	E 10	E 18	T	T	1/8	12	Fog	Cloudy
19	1019.4	47	42	NE 12	NE 10			12	12	Overcast	Overcast
20	1021.5	57	36	W 8	N 3	T		10	12	Cloudy	Cloudy
21	1019.1	69	46	W 10	E 10			12	12	Part. Cloudy	Cloudy
22	1011.4	75	47	S 10	S 18			12	12	Part. Cloudy	Overcast
23	1005.7	71	55	S 18	SW 8		.10	12	12	Overcast	Overcast
24	1009.7	71	54	W 9	E 6	.01		12	12	Part. Cloudy	Cloudy
25	1010.9	72	47	SW 8	E 16			12	12	Cloudy	Overcast
26	997.9	52	46	NE 20	NE 28	.05	.63	12	2 1/2	Overcast	Rain

CHURCHILL METEOROLOGICAL REPORT - 1951

Date	Mean		Temp.		Wind		Precip.		Vis.		Weather		
	Baro	Mbs.	Max	Min	0730am	1930am	a.m.	p.m.	am	pm	a. m.	p. m.	
1951													
Aug.			F°	F°									
27	998.7		45	41	N 35	N 28	.43	.20	½	1½	Rain	Rain	
28	1015.3		47	42	N 30	NW 18	.02	T	5	12	Mist	Overcast	
29	1024.0		50	43	NW 15	N 6			12	12	Overcast	Cloudless	
30	1026.9		56	39	SW 9	E 12			12	12	Cloudless	Cloudless	
31	1022.5		68	40	S 12	SE 3		T	12	12	Part. Cloudy	Overcast	
Sept													
1	1019.9		46	42	NNW 18	N 5			12	12	Overcast	Part. Cloudy	
2	1020.3		52	40	W 4	NNW 12			12	12	Part. Cloudy	Overcast	
3	1022.3		50	46	NW 10	E 6			12	12	Overcast	Cloudy	
4	1015.3		70	42	S 14	SSW 10		T	12	12	Overcast	Overcast	
5	1012.5		46	41	NNE 22	NNE 24	.18	T	3	12	Rain	Drizzle	
6	1016.6		54	39	WNW 10	SW 24			12	12	Cloudy	Overcast	
7	1009.5		48	40	N 22	E 10	T	T	3	12	Drizzle	Overcast	
8	1009.6		43	38	ESE 16	E 14	T	T	12	12	Overcast	Drizzle	
9	1012.9		44	38	NNE 8	ESE 12	T		12	12	Overcast	Overcast	
10	1007.0		47	37	SE 12	ESE 13	T	T	12	12	Drizzle	Drizzle	
11	1002.0		47	43	E 6	NE 7	T		4	6	Mist	Mist	
12	1004.7		45	42	NNE 14	NNE 22			.02	6	2	Mist	Drizzle
13	996.4		44	40	NNE 20	N 46	.14	.96	1	1	Drizzle-Rain	Rain	
14	1000.1		44	37	NNW 42	NNW 36	.39		4	12	Rain	Cloudy	
15	1008.2		52	36	NW 28	WNW 14		T	12	12	Overcast	Overcast	
16	1008.9		42	35	NNW 30	NNW 24	.05	.01	12	12	Rain	Drizzle	
17	1005.6		45	37	W 10	NNW 22	T	.12	12	12	Overcast	Overcast	
18	1010.7		40	35	NNW 32	NNW 14	.04		6	12	Rain	Dist. Precip.	
19	1014.3		39	34	N 3	ENE 18		T	12	12	Overcast	Overcast	
20	1016.3		39	35	NE 18	NE 22	T	.01	12	8	Rain	Snow Showers	
21	1015.5		35	31	NNW 18	NW 8	.01		12	12	Snow Showers	Overcast	
22	1009.4		37	30	SSE 10	SE 15		T	12	12	Overcast	Overcast	
23	1008.9		40	29	SW 10	E 9	T		12	12	Part. Cloudy	Overcast	
24	1012.9		40	33	N 15	N 22	.04	.01	8	12	Rain & Snow	Dist. Precip.	
25	1020.2		35	32	NNE 14	N 12	.03		1	12	Snow Showers	Snow Showers	
26	1022.9		35	30	NNE 4	NNE 20			2	12	Snow Showers	Overcast	
27	1026.0		35	30	N 14	N 12			12	12	Overcast	Cloudy	
28	1026.5		37	30	N 14	SE 4			10	12	Cloudy	Cloudy	
29	1021.0		37	25	SE 10	SE 16			12	12	Overcast	Overcast	
30	1012.2		38	31	E 14	ESE 12		.01	3	12	Snow	Overcast	
Oct.													
1	1009.5		39	33	S 6	SSE 6			12	12	Overcast	Overcast	
2	1009.3		41	34	SSE 4	NNW 8	.17	T	12	12	Overcast	Overcast	
3	1015.1		40	37	NNW 10	00 0	T	.01	12	3	Overcast	Drizzle	
4	1029.1		38	34	NNE 6	SE 3	.02		10	12	Drizzle	Overcast	
5	1033.4		43	33	S 12	SSE 14			12	12	Overcast	Cloudless	
6	1027.1		45	29	SSW 15	SW 24			12	12	Part. Cloudy	Cloud less	
7	1017.3		50	33	SSW 18	SW 7			12	12	Cloudless	Overcast	
8	1021.3		39	35	NNE 12	SE 8	T		6	12	Drizzle	Overcast	
9	1003.1		62	32	S 34	WSW 18	00		12	12	Overcast	Overcast	
10	1014.5		40	35	NNW 20	NW 34			12	12	Cloudy	Cloudy	
11	1027.9		30	27	NW 30	N 12			12	12	Overcast	Overcast	
12	1016.2		46	28	SE 24	SSE 40			12	12	Overcast	Cloudy	
13	1001.2		47	40	SSW 16	NW 28	00		12	12	Cloudy	Cloudless	
14	1012.4		34	30	N 26	ENE 18	00		12	6	Overcast	Snow Showers	
15	1017.2		32	26	NNE 14	N 12			12	12	Snow Showers	Overcast	
16	1021.9		28	21	N 26	NW 34			8	12	Snow	Cloudy	
17	1029.3		25	17	WSW 18	SW 26			12	12	Cloudless	Part. Cloudy	
18	1032.1		19	14	WNW 6	W 12			12	12	Overcast	Cloudy	
19	1019.6		23	2	WNW 22	SW 18			12	4	Part. Cloudy	Snow	
20	1004.6		26	15	W 26	WNW 24			8	12	Snow	Cloudless	
21	1017.3		18	12	WNW 20	WNW 16			12	12	Cloudless	Cloudless	
22	1023.7		22	7	WNW 10	WNW 6			12	12	Overcast	Part. Cloudy	

CHURCHILL METEOROLOGICAL REPORT - 1951

Date	Mean	Temp		Wind			Precip		Vis.		Weather	
		Bare	Max	Min	0730am	1930am	A.M.	P.M.	AM	PM	A.M.	P.M.
1951	mbs.	F°	F°									
Oct.												
23	1024.9	27	15	S 8	SSE 18				12	12	Cloudy	Overcast
24	1007.9	34	21	SE 26	W 15		T		2	8	Snow	Drizzle
25	1021.3	21	18	NW 28	N 22				4	12	Snow	Overcast
26	1020.9	19	2	W 12	S 16				12	12	Cloudless	Cloudless
27	1005.9	25	5	SW 10	NW 18				12	12	Cloudy	Overcast
28	1009.1	21	11	NNW 20	NW 20				10	10	Snow Showers	Snow
29	1013.3	16	5	WSW 12	WNW 20				12	12	Cloudy	Cloudy
30	1019.2	10	2	WNW 18	W 26				12	12	Cloudless	Cloudless
31	1018.7	15	7	W 16	WNW 16				12	2	Cloudless	Snow Crystals
Nov.												
1	1021.2	19	-2	N 07	NW 23	.35	.06		12	1 1/2	Cloudy	Drift. Snow
2	1018.4	12	-11	SW 10	SW 10	.01	.18		6	4	Snow Crystals	Snow
3	1023.2	23	01	N 35	NW 35	T	.13		1	.0	Drifting Snow	Snow
4	1017.3	13	01	NW 28	NW 21	.01	.14	3/8	1 1/2	1 1/2	Snow	Snow
5	1014.1	08	-4	W 23	W 14	T			12	12	Cloudless	Cloudless
6	1014.4	10	-3	W 21	M M		M		12	M	Cloudless	Missing
7	1008.5	26	-1	S 09	S 14	M	T		12	3	Overcast	Snow Shower
8	1002.3	29	19	SW 10	NW 17	T	T		12	12	Missing	Overcast
9	1009.1	23	19	M M	NW 12	M	.05		M	12	Missing	Gran. Snow
10	1014.4	21	16	M M	NW 21	M			M	12	Missing	Cloudless
11	1017.0	12	01	M M	W 14	M			M	12	Missing	Overcast
12	1017.6	19	04	NW 12	NE 10	.03	.02		12	12	Ice Needles	Snow
13	1020.4	27	10	E 15	E 21	T			12	12	Overcast	Drift. Snow
14	1024.4	27	24	E 16	E 15		T		20	12	Overcast	Snow
15	1029.1	26	22	NE 12	W 03		T		12	12	Overcast	Overcast
16	1029.3	23	12	SW 09	W 23	.02	.03		12	12	Snow	Ice Needles
17	1029.3	12	01	W 24	M M	T	M		12	M	Part. Cloudy	Missing
18	1031.0	01	-7	W 12	W 09	T			12	12	Overcast	Cloudless
19	1019.3	14	-9	S 10	S 26				12	12	Cloudless	Drift. Snow
20	1006.1	19	08	SW 09	NW 10	T	.10		12	12	Overcast	Snow
21	997.1	12	00	NW 24	NW 26	.20	.01	1/4	1		Snow	Drift. Snow
22	1002.5	-8	-12	M M	W 31				M	1/4	Missing	Drift. Snow
23	995.6	-2	-12	W 33	NW 39	M	.02	1/4	1/4		Drift. Snow	Drift. Snow
24	1010.3	-5	-10	W 24	W 17	T	T		1/2	12	Drift. Snow	Cloudless
25	1017.9	-4	-14	NW 22	NW 22	T	T		12	12	Ice Needles	Cloudless
26	1019.9	-3	-17	SW 16	S 14				12	12	Cloudless	Overcast
27	1001.7	12	-12	S 16	W 07	.01	.04		12	2 1/2	Overcast	Snow
28	1001.8	00	-6	NW 11	E 09	T	.02		12	12	Cloudless	Overcast
29	1003.6	09	-2	N 16	N 13	.01	.05		2	6	Snow	Snow
30	1017.0	-3	-14	NW 09	S 10	.01			12	12	Snow	Cloudless

CHESTERFIELD INLET METEOROLOGICAL REPORT - 1951

Date	Mean Baro	Temp		Wind			Precip.		Vis.		Weather	
		Max	Min	0730am	1930am		A.M.	P.M.	AM	PM	A. M.	P. M.
1951												
July	Mbs.	F°	F°									
1	1007.8	57	44	NE	12 S	8			12	12	Overcast	Cloudless
2	1011.7	47	37	00	0 S	10			12	12	Cloudless	Part. Cloudy
3	1011.8	42	36	S	8 S	16		.05	12	10	Cloudless	Rain
4	1006.7	47	34	S	8 S	3	.03	.10	12	5	Overcast	Drizzle
5	1006.2	60	36	N	18 NW	17			12	12	Overcast	Cloudy
6	998.0	59	37	NW	16 00	0		.04	12	8	Cloudless	Overcast
7	990.2	58	39	NE	12 NW	21			12	10	Overcast	Dist. Precip.
8	992.6	56	43	NW	22 N	12			12	12	Cloudy	Cloudy
9	998.5	57	40	NW	22 NW	16			12	12	Cloudy	Overcast
10	997.4	60	40	NW	18 S	15		.03	12	12	Overcast	Overcast
11	991.2	44	34	S	8 NE	14	.21	.22	1	1/8	Rain	Fog
12	988.5	55	37	NW	25 00	0	.07		12	12	Cloudy	Overcast
13	986.4	45	38	NW	23 NE	18	.03	.09	12	8	Overcast	Rain
14	999.2	53	38	N	17 NW	22	T	.01	12	12	Overcast	Overcast
15	1007.1	60	43	N	14 W	16			12	12	Overcast	Overcast
16	1014.2	64	43	N	15 N	18			24	12	Cloudless	Cloudless
17	1012.9	62	45	N	12 SW	8			12	12	Cloudless	Part. Cloudy
18	1007.6	71	47	W	10 NW	20			12	24	Cloudy	Cloudless
19	1006.6	58	48	N	14 N	20			12	12	Part. Cloudy	Cloudless
20	1002.4	55	43	N	20 N	6	.03	T	12	12	Overcast	Cloudy
21	997.5	44	41	NE	20 NE	16	.10	.10	6	5	Drizzle	Rain
22	1003.5	58	42	N	24 NE	10			12	12	Overcast	Overcast
23	1007.4	67	46	N	12 S	10			12	12	Cloudless	Part. Cloudy
24	1009.0	56	44	NE	10 S	10			12	24	Part. Cloudy	Snow
25	1011.5	72	39	NW	4 N	12			12	12	Cloudless	Dist. Precip.
26	1016.5	65	44	N	12 N	10			12	12	Cloudless	Cloudless
27	1014.0	51	40	W	3 S	10		.05	12	10	Overcast	Rain
28	1012.1	51	39	SE	6 SE	5	T		10	12	Overcast	Cloudless
29	1019.7	68	36	NW	7 S	3			12	12	Cloudless	Cloudy
30	1016.7	64	49	W	16 W	20			12	12	Cloudless	Overcast
31	1013.4	56	45	NE	14 S	11			1/2	12	Fog	Cloudy
Aug.												
1	1010.0	52	43	S	4 E	10	.15	.04	3	12	Rain	Cloudy
2	1012.5	55	41	S	20 NNW	20			12	12	Cloudy	Cloudy
3	1007.3	66	49	NW	20 N	10			12	12	Part. Cloudy	Part. Cloudy
4	1005.5	58	44	W	18 SE	10	T		12	12	Cloudy	Cloudy
5	1010.3	60	41	N	12 N	19			12	12	Cloudless	Cloudless
6	1013.7	59	43	N	12 NE	5			12	12	Cloudless	Part. Cloudy
7	1012.3	62	45	N	7 S	2			12	12	Cloudless	Cloudless
8	1005.6	61	44	N	14 NW	14			12	12	Cloudy	Overcast
9	1008.7	54	45	N	4 E	12			12	12	Cloudy	Overcast
10	1014.5	51	43	NE	10 E	5			12	12	Cloudy	Cloudless
11	1011.8	55	44	N	8 S	8			12	10	Cloudy	Overcast
12	1015.0	55	44	N	12 E	5			12	12	Cloudy	Part. Cloudy
13	1018.0	65	40	N	10 NE	16			12	12	Cloudy	Overcast
14	1016.1	60	49	N	10 S	10			12	12	Overcast	Overcast
15	1011.8	74	50	NW	16 E	2		T	12	10	Cloudless	Part. Cloudy
16	1012.3	50	44	E	12 E	8			12	12	Overcast	Part. Cloudy
17	1017.0	56	40	E	6 E	10			12	12	Cloudless	Cloudless
18	1017.5	53	43	N	8 E	12			12	12	Cloudless	Cloudless
19	1016.1	63	46	NW	10 S	10			12	12	Cloudless	Cloudy
20	1015.7	61	44	N	20 N	26			12	12	Cloudless	Cloudless
21	1013.0	68	43	N	10 NW	16			12	12	Overcast	Cloudy
22	1005.3	74	51	W	12 S	14		.06	12	10	Part. Cloudy	Overcast
23	997.7	71	44	SW	9 NW	22	.23		10	12	Overcast	Part. Cloudy
24	1004.1	65	48	NW	10 N	10			12	12	Overcast	Overcast
25	1011.0	56	45	NNW	6 S	10			12	12	Cloudless	Cloudless
26	1010.8	50	44	S	5 S	16			12	12	Overcast	Overcast
27	1008.6	48	40	E	30 ENE	25	T		12	12	Overcast	Cloudless

CHESTERFIELD INLET METEOROLOGICAL REPORT - 1951

Date	Mean	Temp		Wind		Precip.		Vis.		Weather		
		Baro	Max	Min	0730am	1930am	a. m.	p. m.	am	pm	a. m.	p. m.
1951												
Aug.	Nbs.	F°	F°									
28	1015.1	51	42	NE 19	N 15			12	12	Overcast	Cloudy	
29	1020.5	52	38	N 16	N 16			12	12	Overcast	Part. Cloudy	
30	1022.3	51	38	NW 8	N 15			12	12	Overcast	Cloudless	
31	1014.8	55	35	SW 7	NNE 17		.30	12	8	Overcast	Rain	
Sept												
1	1016.4	48	39	NE 15	N 07	T		12	12	Cloudy	Overcast	
2	1017.0	47	40	E 10	N 04	M	T	12	12	Overcast	Overcast	
3	1016.9	51	42	N 14	M M	.07	M	4	M	Drizzle	Missing	
4	1012.7	51	39	NW 06	S 08	M	.26	12	3	Overcast	Rain	
5	1015.1	45	37	M M	S 16	T		M	12	Missing	Overcast	
6	1008.1	43	33	NW 09	SE 20		.05	12	5	Cloudy	Drizzle	
7	1008.0	48	36	NE 34	N 12	M		10	12	Overcast	Cloudy	
8	1007.6	47	32	W 10	NW 16			12	12	Cloudless	Overcast	
9	1008.4	45	36	NW 10	N 14			12	12	Overcast	Overcast	
10	1009.2	46	30	C 00	S 18		T	12	3	Overcast	Drizzle	
11	1007.0	42	39	S 30	SE 20	M		10	12	Overcast	Cloudy	
12	1015.2	42	39	E 14	E 16			12	12	Overcast	Overcast	
13	1006.9	45	40	E 16	NE 24		M	12	12	Overcast	Overcast	
14	997.6	43	37	E 36	NE 34		M	12	12	Overcast	Cloudy	
15	996.3	40	33	M M	NW 16	M	T	M	12	Missing	Snow Showers	
16	1001.6	44	30	N 20	N 10	.06	M	3	10	Rain	Overcast	
17	Missing	M	M	M M	M M	M	T	M	M	Missing	Missing	
18	1008.0	41	36	NE 18	C 06	.07	.05	12	12	Overcast	Dist. Precip.	
19	1012.5	37	31	M M	N 18	T		1/4	12	Fog	Overcast	
20	1016.6	38	31	M M	N 12	M		M	12	Missing	Dist. Precip.	
21	1012.3	32	26	N 14	NE 06			10	12	Overcast	Overcast	
22	1011.1	34	30	E 04	E 15		.02	12	6	Overcast	Snow Showers	
23	1012.0	M	32	E 20	M M	.03	M	8	M	Overcast	Missing	
24	1016.4	36	31	SE 10	N 14		T	10	12	Overcast	Cloudy	
25	1017.5	M	28	E 14	M M		M	12	M	Overcast	Missing	
26	1022.2	M	27	NE 10	M M		M	12	M	Overcast	Missing	
27	1027.4	33	29	N 10	N 10			12	10	Overcast	Dist. Precip	
28	1023.9	35	28	M M	N 06	M		M	12	Missing	Overcast	
29	1020.7	37	29	M M	SW 10	M		M	12	Missing	Overcast	
30	1017.6	M	26	SW 10	M M	.01	M	8	M	Snow	Missing	
Oct.												
1	1014.3	37	30	S 22	M M	T	.05	12	M	Overcast	Missing	
2	1013.4	37	35	M M	S 28	.13	.12	M	3	Missing	Rain	
3	1020.2	38	36	S 23	S 12	T	M	10	12	Overcast	Overcast	
4	1025.3	36	33	S 12	SW 12		T	12	12	Overcast	Overcast	
5	1026.2	40	34	SW 20	N 16	M	M	12	12	Overcast	Overcast	
6	1018.3	41	33	W 18	M M		M	12	M	Overcast	Missing	
7	1005.7	M	31	W 14	M M		M	12	M	Overcast	Missing	
8	1019.7	34	25	N 16	C 00			12	12	Cloudless	Overcast	
9	996.4	41	28	SW 37	NW 20	.10	.03	8	12	Rain	Overcast	
10	998.8	29	25	NW 48	NW 40	T	.04	12	1/2	Snow	Snow	
11	1018.8	25	19	N 30	N 28	.01		8	12	Snow	Part. Cloudy	
12	1011.8	32	15	M M	S 34	M	.02	M	10	Missing	Overcast	
13	990.2	38	27	M M	NW 30	T	M	M	12	Missing	Overcast	
14	1014.7	23	19	NE 30	NE 12		M	12	12	Cloudless	Overcast	
15	1018.1	21	14	M M	N 12	T	M	M	12	Missing	Cloudy	
16	1021.1	21	14	M M	N 12	.02	T	M	12	Missing	Overcast	
17	1019.8	19	06	M M	SW 07	T	T	M	12	Missing	Part. Cloudy	
18	1029.7	13	03	M M	W 03	M		M	12	Missing	Cloudless	
19	1011.9	13	01	NW 16	N 26			12	12	Overcast	Cloudless	
20	995.0	22	M	M M	N 22	M	T	M	8	Missing	Snow	
21	1010.5	12	08	M M	W 14	T	M	M	12	Missing	Overcast	
22	1015.5	13	03	W 15	NW 20			12	12	Cloudless	Overcast	

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Date	Mean Baro	Temp.		Wind		Precip.		Vis.		Weather	
		Max	Min	0730am	1930am	a.m.	p.m.	am	pm	a. m.	P. M.
1951	Mbs.	F°	F°								
Oct.											
23	1022.1	12	07	NW 20	NW 16		T	12	12	Overcast	Overcast
24	1022.2	17	03	NE 06	NE 33	T	.05	12	1/2	Cloudy	Snow
25	1009.5	18	09	N 40	M M	T	M	12	M	Overcast	Missing
26	1011.5	14	00	NW 08	W 14			12	12	Cloudless	Overcast
27	1000.1	21	06	W 08	W 12	T	M	10	12	Snow	Part. Cloudy
28	1004.1	13	07	N 12	NW 12			12	12	Overcast	Overcast
29	1008.3	11	07	N 05	NW 07		T	12	12	Overcast	Snow
30	1012.0	11	02	M M	W 14	T	.03	M	12	Missing	Overcast
31	1014.7	04	02	N 10	N 08	.05	M	5	12	Snow	Cloudless
Nov.											
1	1018.8	07	-5	NE 14	N 12	.01		10	12	Snow	Part. Cloudy
2	1022.8	08	-3	NW 10	NW 12	T		10	12	Snow	Overcast
3	1029.1	-2	-3	M M	C 00	M	T	M	12	Missing	Overcast
4	1015.6	05	-5	NE 15	N 14	.03		8	12	Snow	Cloudless
5	999.8	-3	-6	N 28	NW 30			5	1	Drift. Snow	Drifting
6	1000.9	M	-7	W 32	M M		M	1/4	M	Drift. Snow	Missing
7	1002.9	19	-2	NW 08	E 10	M	.01	12	10	Overcast	Snow
8	1002.3	20	17	E 28	E 26	.01	.02	10	10	Snow	Snow
9	1007.1	26	14	E 18	NE 14	.01	.11	10	10	Snow	Snow
10	1009.3	26	18	M M	E 06	T	.03	M	10	Missing	Snow
11	1008.8	24	22	E 8	M M	.03	.05	8	M	Snow	Missing
12	1014.9	15	05	N 20	M M	.05	.02	10	M	Snow	Missing
13	1028.0	15	10	M M	S 04	.01	.01	M	10	Missing	Snow
14	1029.6	09	00	C 00	N 10	M		1/4	12	Fog	Cloudless
15	1029.0	12	-1	C 00	M M		.01	12	M	Cloudless	Missing
16	1020.0	19	07	W 08	NW 10	T	T	10	10	Overcast	Cloudy
17	1020.5	05	-10	NW 20	N 15			10	12	Drift. Snow	Cloudless
18	1021.4	-4	-15	N 20	N 14			12	12	Cloudless	Cloudless
19	1014.1	18	-12	W 08	SW 32		.04	12	1	Overcast	Drift. Snow
20	1007.2	05	-5	M M	NE 14	M	.01	M	10	Missing	Snow
21	998.7	03	-2	NE 22	NE 28	T		2	1	Drift. Snow	Drift. Snow
22	979.8	09	-16	M M	N 34	M	.04	M	1/8	Missing	Drift. Snow
23	987.7	09	-3	E 08	NE 14	.01		10	12	Overcast	Cloudless
24	999.5	-6	-10	NE 20	N 30	M		12	2	Cloudless	Drift. Snow
25	1007.0	-6	-23	N 30	N 32			1	3	Drift. Snow	Drift. Snow
26	1006.2	-8	-10	M M	W 08	M	T	M	12	Missing	Cloudless
27	1000.5	09	-15	C 00	E 10	T	.09	12	5	Overcast	Snow
28	1002.5	-1	-1	NE 20	NE 12	T		10	12	Drift. Snow	Cloudless
29	1006.6	-13	-14	N 09	N 09			12	12	Part. Cloudy	Cloudless
30	1013.1	-20	-24	E 14	N 10		M	12	12	Cloudless	Cloudless

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Date	Mean Temp.		Wind				Precip.		Vis.		Weather	
	Bare	Max	Min	0730am	1930am	a.m.	p.m.	am	pm	a. m.	p. m.	
July	Mbs.	F°	F°									
1	1002.0	51	44	S 12	S 15	.02	.15	3	1/4	Rain	Rain	
2	1007.8	44	40	SW 12	SW 6	.03		1	12	Drizzle	O'cast	
3	1013.4	55	36	00 0	SW 12			1/8	15	Fog	Part. Cloudy	
4	1016.2	51	42	N 9	W 8			15	15	Overcast	Part. Cloudy	
5	1009.2	50	38	S 16	SW 14	.03	.17	6	10	Fog	Drizzle	
6	1007.1	52	41	N 15	W 18			10	15	Overcast	Fog	
7	996.9	52	37	S 18	S 22		.21	1	3	Fog	Fog	
8	994.3	48	40	NW 15	W 12	.32	.02	4	1	Rain	Fog	
9	999.6	57	34	SE 10	N 15			12	15	Overcast	Cloudless	
10	1006.4	51	40	W 8	SW 11			15	15	Cloudy	Overcast	
11	1006.9	52	41	SW 12	S 24		.05	15	15	Cloudy	Overcast	
12	1003.9	49	42	W 12	SW 14	.04		8	15	Overcast	Cloudless	
13	999.9	46	35	W 15	SW 33	.35	.08	3	10	Rain	Rain	
14	994.9	41	35	SW 38	W 33	.16	.27	2	3	Rain	Rain	
15	1002.2	43	35	WNW 35	W 15		.01	6	3	Fog	Fog	
16	1012.1	47	37	N 10	W 15			15	8	Overcast	Dist. Fog	
17	1017.7	50	38	NW 9	SW 11			15	15	Part. Cloudy	Cloudless	
18	1014.6	60	41	S 15	S 9			15	15	Part. Cloudy	Overcast	
19	1006.4	71	41	NE 10	NE 11			10	15	Overcast	Cloudy	
20	999.2	57	41	N 15	N 15			15	10	Part. Cloudy	Overcast	
21	993.6	48	38	S 10	NW 15			15	15	Overcast	Overcast	
22	990.2	46	39	NW 12	NW 21	.08	.01	3	15	Rain	Overcast	
23	996.3	49	39	NW 30	NW 27	.08		3	15	Rain	Part. Cloudy	
24	1009.3	56	41	NW 18	SW 14			12	15	Overcast	Overcast	
25	1012.7	57	39	NE 9	N 14			2	15	Fog	Part. Cloudy	
26	1016.4	57	38	N 9	NW 19			15	15	Cloudless	Cloudy	
27	1018.3	51	42	NW 5	SW 10			3/4	8	Fog	Fog	
28	1017.0	55	43	SW 5	00 0			10	15	Overcast	Overcast	
29	1015.4	65	41	NE 12	NE 15			15	15	Part. Cloudy	Cloudless	
30	1020.3	66	43	NE 10	N 12			15	15	Cloudless	Cloudy	
31	1014.7	63	42	NE 9	N 15			15	15	Cloudy	Overcast	
Aug.												
1	1010.3	58	42	N 14	W 12			15	15	Part. Cloudy	Cloudless	
2	1003.5	50	43	S 12	N 22	.08	.09	15	15	Overcast	Overcast	
3	1011.3	52	42	N 27	W 17			15	1/2	Cloudy	Fog	
4	1012.8	54	41	W 15	SW 12			15	10	Part. Cloudy	Overcast	
5	1008.2	54	45	S 12	N 15			15	15	Part. Cloudy	Part. Cloudy	
6	1011.5	54	41	W 15	W 18			12	15	Cloudless	Cloudless	
7	1012.1	53	42	W 13	W 10			12	15	Cloudy	Overcast	
8	1006.7	59	42	NE 1	NE 12			12	15	Overcast	Overcast	
9	1006.5	62	42	NE 12	NE 20			12	15	Overcast	Cloudy	
10	1014.1	61	42	N 18	W 10			15	15	Cloudless	Cloudy	
11	1013.6	55	44	S 24	SE 18		.13	12	10	Overcast	Overcast	
12	1008.8	47	42	SW 18	SW 25	.02	.06	1 1/2	1	Drizzle	Rain	
13	1012.6	52	42	W 16	N 16	.22	T	2	10	Drizzle	Overcast	
14	1015.4	49	42	NW 11	SE 6	.03	T	10	15	Overcast	Overcast	
15	1015.7	53	42	N 8	W 16	.15		15	8	Part. Cloudy	Drizzle	
16	1011.6	53	42	W 6	S 12	.03		2	15	Fog	Cloudy	
17	1011.6	58	43	S 3	N 14			1/2	15	Drizzle	Cloudless	
18	1015.6	55	41	N 10	NW 16			15	15	Overcast	Cloudy	
19	1015.2	54	42	N 12	NW 13			15	15	Overcast	Overcast	
20	1009.4	50	42	NW 25	NW 18			15	15	Overcast	Overcast	
21	1014.9	51	32	N 10	N 14			15	15	Cloudy	Cloudy	
22	1017.6	48	38	00 0	W 8			15	15	Overcast	Overcast	
23	1019.1	51	39	S 15	S 24			1/2	15	Dist. Fog	Cloudy	
24	1010.6	55	47	SW 26	SW 20		.40	15	3	Part. Cloudy	Rain	
25	1015.0	55	46	N 8	00 0	.02		2	15	Drizzle	Cloudless	
26	1009.8	60	41	SE 6	SE 15		.20	15	10	Part. Cloudy	Overcast	
27	1005.2	62	47	S 18	S 20	.05		1/4	15	Fog	Overcast	

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Date	Mean		Temp.		Wind			Precip.		Vis.		Weather	
	Baro	Mbs.	Max	Min	0730am	1930am	a.m.	P.m.			a. m.	P. m.	
1951													
Aug.			F°	F°									
28	1004.3		56	42	SE 14	S 15	.10		10	$\frac{1}{2}$	Rain	Drizzle	
29	1004.9		50	46	S 6	N 8			$\frac{1}{2}$	$\frac{1}{2}$	Fog	Fog	
30	1007.8		46	38	NW 25	S 28	.09		1	$1\frac{1}{2}$	Fog	Rain	
31	1013.3		46	38	NW 25	NW 25			$2\frac{1}{2}$	15	Rain	Part. Cloudy	
Sept.													
1	1018.1		46	36	S 10	S 30		.04	15	10	Part. Cloudy	Overcast	
2	1014.2		48	40	S 24	SW 21	.02		15	10	Drizzle	Overcast	
3	1010.6		47	39	W 20	SW 15	.01		10	10	Overcast	Overcast	
4	1012.1		48	40	NW 15	NW 18	.05		10	10	Drizzle	Overcast	
5	1001.8		45	37	W 12	W 23	.25	.90	5	$1\frac{1}{4}$	Overcast	Rain	
6	1006.7		41	34	NW 27	NW 19	.04	.04	$\frac{1}{2}$	10	Drizzle	Cloudy	
7	996.5		40	33	S 18	NE 50	.76	.10	10	$1\frac{1}{5}$	Rain	Cloudy	
8	1009.6		45	33	NW 12	W 15			15	15	Overcast	Cloudy	
9	1014.2		43	36	W 6	SW 2			15	15	Overcast	Overcast	
10	1017.7		51	33	NE 4	00 0			15	15	Part. Cloudy	Cloudless	
11	1003.7		51	34	E 28	E 27			15	10	Overcast	Drizzle	
12	1002.3		50	43	E 26	SE 12		.01	15	5	Rain Showers	Overcast	
13	998.9		62	44	E 25	S 30	.15	.08	15	10	Overcast	Overcast	
14	990.7		51	44	S 26	S 36	T	.08	15	10	Cloudy	Overcast	
15	994.0		43	40	SW 36	W 25	.16	.04	1	3	Drizzle	Drizzle	
16	1009.5		44	35	SW 16	S 8		.07	15	15	Overcast	Cloudless	
17	1004.6		47	39	E 10	NW 5	.02		15	15	Overcast	Cloudy	
18	995.7		46	34	NE 12	NE 20	.01	.08	15	10	Dist. Fog	Rain	
19	1007.8		49	38	N 25	N 17			15	15	Overcast	Cloudy	
20	1017.1		42	33	00 0	SW 4			15	15	Cloudy	Overcast	
21	1000.8		43	39	E 13	NE 33			15	15	Overcast	Overcast	
22	1009.9		45	31	00 0	N 5	.02	.12	15	15	Cloudy	Overcast	
23	1011.7		43	33	NW 6	SW 2	.02		15	15	Overcast	Overcast	
24	1012.3		43	36	S 10	00 0			10	15	Overcast	Part. Cloudy	
25	1008.2		43	28	NE 7	NE 6		.07	15	15	Cloudy	Overcast	
26	1017.5		44	31	N 8	N 7			15	15	Drizzle	Cloudless	
27	1016.2		44	27	NE 5	NE 26			15	15	Cloudless	Overcast	
28	1006.9		42	33	NE 38	NE 24			15	15	Overcast	Overcast	
29	1017.0		43	32	N 20	N 12			15	15	Cloudless	Cloudy	
30	1020.6		36	25	NE 3	E 11			15	15	Cloudy	Cloudless	
Oct.													
1	1019.6		38	21	NE 04	M M		M	12	M	Part. Cloudy	Missing	
2	1019.4		35	21	E 10	E 07			12	12	Cloudless	Cloudless	
3	1017.3		40	26	E 10	E 23		M	12	12	Part. Cloudy	Overcast	
4	1020.6		38	29	E 31	NE 13			12	12	Cloudy	Cloudless	
5	1033.7		38	22	N 10	N 10	M	M	12	12	Cloudy	Cloudless	
6	1034.9		36	23	NW 05	M M		M	12	M	Cloudy	Missing	
7	1027.3		M	34	S 22	M M		M	12	M	Overcast	Missing	
8	1013.4		39	34	SW 22	N 20			12	10	Overcast	Overcast	
9	1013.6		35	29	N 11	SW 28		M	12	12	Overcast	Overcast	
10	998.0		41	35	W 16	W 23	.25		5	12	Rain	Overcast	
11	1007.4		36	33	NW 16	NW 20	M		12	12	Snow Showers	Overcast	
12	1027.1		32	27	M M	N 09	M	M	M	12	Missing	Overcast	
13	1003.0		40	29	M M	S 27	M	.15	M	10	Missing	Overcast	
14	1009.6		38	34	M M	NE 17	M	M	M	12	Missing	Overcast	
15	1007.2		28	27	NE 30	N 07	.02	.05	12	10	Overcast	Snow	
16	1007.1		34	24	NE 04	E 43		.58	12	.0	Overcast	Ice Pellets	
17	1033.4		28	27	M M	W 15	.02	M	M	10	Missing	Overcast	
18	1039.3		31	26	M M	SW 09	M		M	12	Missing	Overcast	
19	1027.3		26	24	E 10	NW 10		.05	12	9	Overcast	Part. Cloudy	
20	Missing		28	M M	M M	M	M	.05	M M	M M	Missing	Missing	
21	1018.7		32	25	M M	NW 10	M	.01	M	3	Missing	Snow	
22	1022.1		32	22	W 09	SE 05			12	12	Part. Cloudy	Cloudy	
23	1022.4		27	18	NW 10	NW 10	.04	.01	12	12	Cloudy	Part. Cloudy	

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Date	Mean Baro	Temp.		Wind		Precip.		Vis.		Weather	
		Max	Min	0730am	1930am	a.m.	p.m.	am	pm	a. m.	P. m.
1951	Mbs.	F°	F°								
Oct. 24	1032.3	29	24	W 06	SE 20		M	12	12	Overcast	Overcast
25	1018.7	35	27	S 23	M M		T	12	M	Overcast	Missing
26	1011.4	32	26	NE 05	N 03			10	12	Overcast	Cloudless
27	1007.3	27	20	C 00	NW 07		M	12	12	Overcast	Overcast
28	1005.3	30	20	E 09	SE 08	.01		12	12	Overcast	Overcast
29	1009.5	31	26	S 20	SW 08			12	10	Overcast	Snow
30	1014.0	23	21	M M	NE 07	.30		M	12	Missing	Cloudy
31	1011.6	29	15	C 00	NE 11	.01	M	4	12	Snow Showers	Overcast
Nov. 1	1013.3	26	13	NE 05	NW 12	.05		12	12	Overcast	Overcast
2	1023.0	27	16	NW 10	SE 18	M		10	12	Overcast	Overcast
3	1012.6	22	08	M M	E 35	M	.10	M	1/2	Missing	Snow
4	991.5	28	19	E 30	SW 20	.02		2/4	12	Snow	Cloudy
5	1001.1	25	20	NW 14	W 16		.01	12	12	Cloudy	Snow Showers
6	1006.3	M	22	W 33	M M	.10	M	10	M	Snow	Missing
7	1011.2	27	22	NW 17	SW 18	M	.01	12	12	Cloudy	Overcast
8	1010.9	29	25	S 21	E 10			12	12	Overcast	Overcast
9	1008.4	18	10	E 17	E 08			12	12	Overcast	Overcast
10	1008.0	24	21	M M	SE 10	M	.05	M	8	Missing	Snow
11	1007.1	31	22	SW 07	M M	.21	M	2	M	Snow	Missing
12	1013.0	25	24	C 00	M M	.27	M	1/2	M	Snow	Missing
13	1018.7	10	09	NE 23	NE 17			1/4	12	Cloudy	Cloudless
14	1021.5	01	-2	NE 10	N 14	M		12	12	Cloudless	Cloudless
15	1014.0	16	-4	E 22	M M		M	12	M	Cloudy	Missing
16	1024.6	21	05	M M	C 00	M		M	12	Missing	Overcast
17	1020.9	26	18	C 00	SW 03	.01	.03	10	12	Snow Showers	Cloudy
18	1018.8	20	11	C 00	C 00	.01		12	12	Overcast	Overcast
19	1024.5	15	07	NE 04	C 00			12	12	Overcast	Overcast
20	1016.4	25	14	M M	S 26	M		M	12	Missing	Overcast
21	1001.8	31	22	S 39	S 37		T	12	12	Overcast	Overcast
22	994.2	31	23	SW 26	SW 28	.05	.03	10	10	Overcast	Cloudy
23	994.7	11	09	SW 29	S 31	.05	.10	12	1	Cloudy	Snow
24	994.7	16	06	S 10	C 00	.05	.09	10	12	Overcast	Cloudless
25	1001.0	15	-6	W 10	W 23	T	.02	10	10	Snow	Drift. Snow
26	1012.4	14	06	M M	NW 10	M	T	M	5	Missing	Snow
27	1013.1	20	11	W 16	S 26	T		12	12	Overcast	Cloudless
28	999.5	26	17	S 24	M M	.04	T	10	M	Overcast	Missing
29	998.9	24	15	SW 10	E 17	.04	.05	10	5	Overcast	Snow
30	1012.3	20	-6	N 30	NE 14	T		12	12	Cloudy	Cloudless

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Date	Mean Baro	Temp.		Wind			Precip.		Vis.		Weather	
		Max	Min	0730am	1930am		a.m.	p.m.	am	pm	a. m.	p. m.
1951 July	Mbs.	F°	F°									
1	1007.2	55	42	S 13	NE 18				12 12	Cloudless	Cloudless	
2	1012.3	56	36	SE 4	SW 12				12 12	Cloudless	Part. Cloudy	
3	1014.3	58	38	S 3	NW 18				12 12	Cloudless	Cloudless	
4	1012.4	48	40	W 9	SE 14		.10		12 10	Cloudless	Rain	
5	1003.6	53	37	SE 12	N 16	.01		1/4	12	Drizzle	Cloudless	
6	997.9	57	38	W 6	W 18		.07		12 12	Cloudy	Overcast	
7	989.2	54	39	W 6	NW 13	T			12 12	Overcast	Overcast	
8	987.6	46	35	SE 14	NW 21	.10		1/8	12	Rain	Rain	
9	990.3	49	37	NW 26	NW 24				12 12	Overcast	Overcast	
10	996.4	57	39	NW 18	W 14				12 12	Overcast	Cloudy	
11	997.4	46	38	SE 15	SE 12	.04	T		12 12	Overcast	Cloudy	
12	989.7	40	36	SE 15	SE 14	.05	.01	1/2	8	Drizzle	Drizzle	
13	987.6	42	33	SE 12	NE 25	.07	.07	4	4	Drizzle	Drizzle	
14	992.6	43	34	N 22	E 20	.02	T	4	12	Rain	Cloudy	
15	1003.1	52	33	NW 13	N 10				12 12	Overcast	Cloudy	
16	1009.3	60	37	N 18	NW 24				12 12	Cloudy	Overcast	
17	1011.6	63	41	NW 8	N 12				12 12	Cloudy	Part. Cloudy	
18	1009.8	60	36	S 6	SW 16				12 12	Cloudless	Overcast	
19	1004.5	58	39	SW 12	SE 10		T		12 12	Cloudy	Overcast	
20	998.8	51	35	00 0	NE 20		T		12 12	Cloudy	Overcast	
21	994.1	45	38	E 18	N 16	T	.02		12 12	Overcast	Rain	
22	997.3	49	37	N 32	N 24	T			12 12	Cloudy	Overcast	
23	1004.4	61	39	NW 20	NW 15				12 12	Cloudless	Cloudless	
24	1009.0	64	39	N 10	SE 9				12 12	Cloudless	Cloudy	
25	1011.1	66	39	NE 3	W 12				12 12	Overcast	Overcast	
26	1013.5	65	41	N 18	N 13				12 12	Cloudy	Part. Cloudy	
27	1016.4	63	40	N 9	NE 15	T	00		12 12	Part. Cloudy	Cloudy	
28	1018.1	57	36	E 6	S 8				12 12	Cloudless	Cloudless	
29	1019.1	69	40	W 5	NW 19				12 12	Cloudless	Cloudless	
30	1017.2	67	47	NW 3	W 24		.02		12 12	Cloudless	Cloudy	
31	1013.1	55	45	NE 12	S 12	.02			12 12	Overcast	Cloudy	
Aug.												
1	1909.9	47	38	S 3	SW 12	T	T		12 12	Drizzle	Rain	
2	1010.2	51	37	N 12	S 14				12 12	Cloudless	Overcast	
3	1004.6	64	39	00 0	SW 20				12 12	Overcast	Overcast	
4	1004.4	53	44	NW 16	NW 16				12 12	Overcast	Part. Cloudy	
5	1005.6	50	34	NW 17	NW 28				12 12	Overcast	Overcast	
6	1008.7	53	40	NW 24	NW 26				12 12	Overcast	Part. Cloudy	
7	1009.7	60	37	N 24	NW 10				12 12	Cloudless	Part. Cloudy	
8	1006.0	61	36	NW 15	SE 10				12 12	Cloudless	Overcast	
9	1011.3	54	37	SE 4	E 6				12 12	Cloudy	Cloudy	
10	1015.6	55	35	N 15	NE 10				12 12	Part. Cloudy	Part. Cloudy	
11	1014.5	50	34	N 8	E 10				12 12	Overcast	Cloudy	
12	1013.1	47	40	E 20	N 22	T	.02		12 12	Overcast	Overcast	
13	1011.6	56	39	N 12	NW 18	T			12 12	Overcast	Overcast	
14	1016.4	58	35	N 6	NW 15				12 5	Cloudless	Rain	
15	1009.4	64	42	W 2	E 7	T			12 10	Overcast	Overcast	
16	1011.3	53	43	NW 10	S 9				10 12	Overcast	Overcast	
17	1014.9	58	43	N 9	N 17				12 12	Overcast	Cloudy	
18	1015.9	54	35	NW 16	SW 13				12 12	Part. Cloudy	Overcast	
19	1012.6	55	35	N 6	NW 24				12 12	Overcast	Overcast	
20	1009.7	44	35	NW 20	N 15				12 12	Overcast	Cloudy	
21	1011.7	53	31	NW 18	00 0		T		12 12	Overcast	Overcast	
22	1009.9	51	38	NW 10	S 16				12 12	Overcast	Overcast	
23	1003.8	50	35	S 16	W 12	.03	.03	5	1/8	Rain	Fog	
24	1003.8	55	41	W 27	NW 18				10 12	Overcast	Cloudy	
25	1009.3	55	44	N 4	NW 21				12 12	Overcast	Cloudy	
26	1013.7	56	38	N 4	SE 15				12 12	Cloudless	Overcast	
27	1008.5	44	36	NE 18	N 15				12 12	Overcast	Overcast	

CORAL HARBOUR METEOROLOGICAL REPORT - 1951

Date	Mean Baro	Temp.		Wind		Precip.		Vis.		Weather	
		Max	Min	0730am	1930pm	A.M.	P.M.	AM	PM	A. M.	P. M.
1951	Mbs.	F°	F°								
Aug.											
28	1010.3	40	37	N 16	M M			12	-	Part. Cloudy	Missing
29	1016.2	45	32	N 13	N 20			12	12	Cloudy	Overcast
30	1017.0	46	33	N 25	N 22			12	12	Overcast	Overcast
31	1016.7	45	29	N 18	NW 7			12	12	Cloudless	Part. Cloudy
Sept											
1	1017.2	44	34	N 10	S 5			12	12	Overcast	Part. Cloudy
2	1017.4	44	31	N 15	N 4			12	12	Cloudless	Overcast
3	1013.8	49	36	N 10	SW 3			12	12	Overcast	Overcast
4	1012.5	50	35	N 10	S 4			12	12	Overcast	Overcast
5	1010.5	39	33	N 16	N 12			12	12	Overcast	Overcast
6	1008.0	40	27	NW 20	W 10			12	12	Cloudy	Rain
7	1003.8	42	31	N 6	NW 18			12	12	Overcast	Overcast
8	1004.9	43	29	NW 12	N 10			12	12	Overcast	Overcast
9	1008.9	40	31	N 2	S 12	.02		10	12	Overcast	Overcast
10	1013.8	44	34	W 6	SW 10			12	12	Overcast	Overcast
11	1018.2	43	34	SE 14	S 10			12	12	Overcast	Cloudy
12	1014.5	45	30	SE 10	SE 10			12	12	Overcast	Cloudy
13	1009.5	45	31	N 15	N 26			12	12	Overcast	Overcast
14	991.7	47	35	NE 30	N 12			6	12	Dist. Fog	Overcast
15	987.2	35	30	N 28	NW 29	.26	.17	3	10	Rain	Overcast
16	1000.4	36	32	W 14	W 8	.15	.01	8	8	Snow	Drizzle
17	1003.9	36	32	SW 8	SE 10	.14	.04	1	4	Snow	Rain
18	1005.5	38	32	NE 16	N 5			12	12	Cloudy	Overcast
19	1011.9	40	28	N 4	N 8			12	12	Overcast	Overcast
20	1014.1	38	30	NW 8	N 4			12	12	Overcast	Part. Cloudy
21	1010.7	35	27	E 6	N 5			12	10	Overcast	Snow
22	1012.9	35	26	N 2	NW 7			12	12	Overcast	Overcast
23	1016.4	31	28	N 4	SE 12			12	12	Overcast	Overcast
24	1017.5	31	25	S 5	NE 12			12	12	Overcast	Overcast
25	1016.4	30	21	N 9	NE 9			12	12	Overcast	Overcast
26	1022.4	31	22	N 10	N 8			12	12	Overcast	Overcast
27	1028.0	31	19	NNE 10	NE 8			10	12	Overcast	Cloudy
28	1024.2	31	22	N 14	N 10			10	12	Snow	Overcast
29	1023.0	34	25	N 8	W 8			12	12	Overcast	Overcast
30	1020.5	35	19	NW 8	S 6			12	12	Part. Cloudy	Overcast
Oct.											
1	1021.2	37	20	E 5	S 5			12	12	Part. Cloudy	Part. Cloudy
2	1021.9	31	22	ESE 8	SE 12			12	12	Overcast	Overcast
3	1026.6	32	21	SE 12	SE 4			12	12	Overcast	Overcast
4	1031.3	32	39	00 0	W 4			12	12	Overcast	Part. Cloudy
5	1029.3	35	24	SW 10	SW 12			12	1/2	Overcast	Snow
6	1016.7	38	32	W 15	W 12	T		1/2	10	Fog	Overcast
7	1006.6	39	33	W 5	NW 16			2/4	12	Overcast	Cloudy
8	1014.8	33	23	NW 35	NW 5			12	12	Cloudless	Overcast
9	1000.7	34	15	NW 5	S 12			12	3/4	Overcast	Drift. Snow
10	984.9	31	25	NW 22	N 21			12	4	Snow	Overcast
11	1010.9	23	15	NW 20	NW 5			10	12	Overcast	Part. Cloudy
12	1024.2	31	8	NW 5	E 12			12	12	Cloudless	Cloudy
13	992.4	34	13	S 28	W 18			3	10	Snow	Drizzle
14	1008.5	22	8	N 26	N 14			12	12	Part. Cloudy	Cloudless
15	1017.0	17	0	N 5	N 10			12	12	Overcast	Cloudy
16	1020.1	18	1	N 12	NW 14			12	12	Part. Cloudy	Cloudy
17	1020.1	14	1	NW 12	N 10			12	12	Cloudy	Cloudless
18	1030.7	23	1	NW 12	NW 6			12	10	Cloudy	Cloudless
19	1014.0	24	2	E 12	SW 16			10	3/4	Overcast	Snow
20	994.1	15	1	N 6	W 6			10	12	Overcast	Cloudless
21	1002.6	18	0	W 9	W 6			10	10	Snow	Overcast
22	1013.3	15	8	W 10	W 9			12	10	Snow	Snow
23	1018.3	18	6	NW 2	NW 13			12	12	Overcast	Cloudless

CORAL HARBOUR METEOROLOGICAL REPORT - 1951

Date	Mean		Temp.		Wind				Precip.		Vis.		Weather	
	1951	Baro	Max	Min	0730am	1930am	a.m.	p.m.	a.m.	p.m.	a.m.	p.m.		
Oct.	Mbs.	F°	F°											
24	1027.7	29	3	NW	9	NE	12			12	12	Cloudless	Snow	
25	1002.6	30	7	SE	30	W	18			1/8	1	Drift. Snow	Drift. Snow	
26	1008.7	18	3	NW	14	N	12			12	12	Cloudy	Cloudless	
27	1000.5	22	7	E	6	SW	4			12	12	Cloudy	Snow	
28	1001.8	17	9	W	6	SW	4			10	12	Snow	Snow	
29	1010.5	10	39	00	0	N	7			12	12	Overcast	Overcast	
30	1011.2	22	2	N	18	S	8			1/2	12	Drift. Snow	Overcast	
31	1015.2	11	1	N	12	NW	17			12	12	Overcast	Overcast	
Nov.														
1	1015.2	07	-5	N	10	N	20		T	12	12	Overcast	Overcast	
2	1018.8	01	-13	NW	16	M	M	M	M	12	M	Cloudless	Missing	
3	1031.7	03	-16	M	M	NE	10	M		M	12	Missing	Cloudless	
4	996.5	14	-17	M	M	N	28	M	.12	M	1/2	Missing	Snow	
5	989.8	08	07	NW	19	S	14	.01	M	12	12	Overcast	Overcast	
6	988.2	M	03	N	12	M	M	.03	M	5	M	Drift. Snow	Missing	
7	1006.2	10	-5	N	08	M	M	.02	M	2	M	Snow	Missing	
8	1008.7	15	-13	N	10	M	M	.03	.01	12	M	Overcast	Missing	
9	1011.6	21	10	NE	24	S	13			3/4	12	Drift. Snow	Overcast	
10	1012.3	20	18	M	M	C	00	M		M	12	Missing	Overcast	
11	1012.4	12	04	NW	07	M	M		.01	12	M	Overcast	Missing	
12	1016.5	10	09	NW	05	M	M	T	.01	12	M	Cloudy	Missing	
13	1027.2	-7	-12	NW	08	N	05	T		12	12	Part. Cloudy	Cloudless	
14	1029.5	-4	-18	C	00	N	10	M		12	12	Cloudless	Cloudless	
15	1026.9	14	-11	N	10	M	M		M	12	M	Cloudless	Missing	
16	1022.9	14	-11	W	05	C	00	T	.02	12	8	Overcast	Snow	
17	1016.9	14	06	N	03	NE	14	.06	.04	300	1	Snow	Drift. Snow	
18	1021.4	02	-14	NW	19	NW	09	.01		12	12	Cloudless	Cloudy	
19	1021.7	18	-27	NW	02	W	10		T	12	12	Cloudless	Snow	
20	1006.9	21	-17	M	M	E	13	.02	.03	M	8	Missing	Overcast	
21	994.0	12	03	NE	19	N	28	.07	.06	1/2	1/8	Snow	Drift. Snow	
22	980.6	19	08	NE	16	SW	19	.04	.04	1	5	Drift. Snow	Drift. Snow	
23	992.0	10	-4	M	M	N	14	M		M	12	Missing	Cloudless	
24	994.2	-4	-17	N	12	NW	11	M		12	12	Cloudless	Overcast	
25	996.1	-2	-16	N	16	NW	12			12	12	Part. Cloudy	Overcast	
26	1005.4	-4	-14	M	M	W	04	M		M	12	Missing	Part. Cloudy	
27	1006.3	02	-6	NE	03	M	M	M	M	12	M	Cloudless	Missing	
28	999.8	03	-4	N	20	NE	26			10	5	Drift. Snow	Drift. Snow	
29	1004.2	-15	-24	N	11	N	21			12	24	Cloudless	Cloudless	
30	1010.7	-14	-26	NW	10	NW	10			12	12	Cloudless	Cloudless	

ICE REPORTS - 1951

RESOLUTION ISLAND

- July 1 A few strings of ice close to the shore.
4 A few scattered strings along the shore.
5 Scattered pieces of ice in all directions.
6 No ice visible.
7 Light, scattered patches of pan ice off shore. There being in sight one large, seven miles to the NE, and two small to the SE.
8 Light, very scattered pans of ice off shore.
9 Light scattered pan ice off shore.
10 Light widely scattered pieces of ice in all directions.
11 Scattered pan ice in all directions.
12 Berg sighted to the south, five miles off shore. Clear of ice to about five miles off shore, then closely packed from SE to W.
13 Berg to the S., two miles off shore. Loose packed ice in all directions.
14 A few scattered pieces of ice to the SW about five miles off shore. Remainder clear of ice.
15 Widely scattered pieces of ice in all directions.
16 A few scattered pieces of ice near the shore.
17 Scattered ice in all directions.
18 Scattered pieces of ice in all directions.
19 Widely scattered pieces of light ice in all directions.
20 A few scattered pieces of ice.
21 A few scattered pieces of ice.
22 No ice in sight.
23 No ice in sight.
24 No ice in sight.
25 No ice in sight.
26 No ice in sight.
27 No ice in sight.
28 No ice in sight.
29 Two bergs to the S., about two miles off shore, all the rest clear.
30 One berg SW, two miles off shore. All the rest clear.
31 One berg to the W., three miles off shore. All the rest clear.
- Aug. 3 No ice in sight.
6 No ice in sight.
7 No ice in sight.
9 One small berg to the W. and another SW., about three miles off shore. All the rest clear.
10 No ice in sight.
11 No ice in sight.
12 One berg to the NE., five miles off shore. All the rest clear.
13 One berg to the NE., two miles off shore.
14 No ice in sight.
15 No ice in sight.
16 No ice in sight.
18 No ice in sight.
19 One growler to the SW., 3 miles off shore.
20 No ice in sight.
21 No ice in sight.
22 One growler to the W., another to the SW., another to the E., all about three miles off shore.
24 One berg to the S., half a mile off shore.
25 One large growler to the NW., three miles off shore.
26 One growler to the SE., two miles off shore.
30 One berg to the S., one mile off shore.
- Sept. 8 Huge icebergs to the W., two miles off shore.
19 Berg to the NW., three miles off shore.
- Oct. 5 One large berg to the E., four miles off shore.
6 One berg to the SW., about ten miles off shore.
15 One small berg to the SW., eight miles off shore.
20 Large iceberg sighted SE. of the station, about four miles off shore.

- Oct. 22 One large berg to the SW., five miles off shore.
 25 One large berg to the Se., four miles off shore.
 Nov. 6 One berg to the SW., two miles off shore.
 20 One large berg to the E., six miles off shore.
 24 A few patches of slob ice forming around the shore, to the E.
 27 Patches of slob ice forming around the shore.
 28 Slob ice forming around the shore.
 29 One berg a quarter of a mile off shore.
 30 One berg a quarter of a mile off shore.

CAPE HOPES ADVANCE

- July 4 Loose packed in all directions. Less than 40 percent open water.
 5 Loose packed in all directions, with some large pans.
 7 Pans and pieces in all directions. About one-half open water.
 8 No ice sighted. Fog.
 9 Loose packed ice in all directions from two miles off shore. Most numerous to the NW.
 10 Loosely packed ice in all directions. More closely packed to N. & NW. Open water up to one mile from shore.
 11 Loosely packed drift ice in all directions, with about three-fifths open water.
 12 Scattered pans and pieces in all directions. Over three-fifths open water.
 13 Open water to the horizon W & NW of the station. Scattered drift ice five miles off shore N of the station, ten miles off shore E of station.
 14 Open water with a few pieces of ice about six miles off shore N and NW of the station.
 15 Open water, with a few small pieces of ice in all directions.
 16 Scattered drift ice one mile off shore N & W of the station. Open water to the E of the station with one small berg.
 17 A few strings of loosely packed ice in sight. Visibility 20 miles W of station and half a mile E.
 18 A few scattered pieces of ice off shore.
 19 A few widely scattered pieces of drift ice in sight.
 23 Two small growlers about ten miles off shore NW of the station.
 26 Seven bergs and seven growlers in sight N & NW of the station.
 27 One berg three miles E of the station.
 28 Five bergs and two growlers off shore N and NW of the station.
 30 Three bergs and one growler in sight.
 31 Four bergs and one growler in sight.
 Aug. 1 Three bergs in sight.
 2 Four bergs and one growler in sight.
 4 Five bergs and two growlers in sight.
 6 Three bergs and five growlers in sight.
 6 Two bergs in sight.
 9 One berg NE of the station. Seven growlers from two miles off shore to the horizon NW of the station.
 10 Three bergs, five growlers in sight.
 11 Four bergs, five growlers in sight.
 12 No ice in sight.
 13 Four bergs in sight.
 14 One growler in sight NE of station.
 15 Five bergs in sight.
 16 Four bergs, one growler in sight, widely scattered.
 18 Two bergs, one growler in sight.
 21 One berg, two growlers in sight NW of station.
 22 Five bergs in sight, widely scattered.
 23 One berg in sight.
 24 One growler in sight.
 26 Two bergs in sight off station.
 31 Two bergs in sight.

- Sept. 2 Six bergs in sight.
 3 Five bergs in sight.
 4 Five small bergs, one large berg in sight.
 8 One growler in sight.
 9 Four growlers in sight.
 10 Five bergs, three growlers in sight.
 11 Four large bergs in sight.
 17 One berg in sight.
 19 One berg in sight.
 21 Three bergs in sight.
 22 Two large bergs in sight.
 24 One berg in sight.
 26 One berg in sight.
 29 One growler in sight.
- Oct. 4 One large berg in sight.
 6 One growler in sight.
- Nov. 10 One growler in sight.
 14 A narrow string of new ice two miles off shore extends from the horizon NW of the station to the horizon SE of the station.
 15 Two short strings of slob ice half a mile off shore NW of the station.
 16 Two strings of new ice about ten miles off shore NW of the station.
 17 Light new slob ice, extending from two miles off shore to the horizon N and NE of the station.
 18 Patches of slob ice with much open water from one mile off shore to the horizon N and NW of the station.
 19 One-third of the sea covered with slob ice.
 20 Slob ice extending to the horizon in all directions. Very little open water.
 21 Closely packed pieces of new drift ice N and NW of the station. Mostly open water E of the station.
 22 Several widely scattered strings of slob ice in sight.
 23 Close packed slob ice with very little open water in all directions.
 24 Close packed slob and new ice to the horizon, very little open water. One growler in sight.
 25 Close packed slob and new ice to the horizon. Very little open water.
 26 Close packed pans and pieces of new ice in all directions.
 27 Close packed pans and pieces of new ice in all directions.
 28 Close packed pans and pieces of drift ice off shore. Open water with new ice forming inshore.
 29 Close packed drift ice off shore. Open water with new ice forming near the shore.
 30 Close packed ice in all directions, with very little open water.

NOTTINGHAM ISLAND

- July 2 Broken field of ice from shore to the horizon, with large patches of open water.
 4 The ice appears quite heavy along the shore to about five miles off shore. Open water outside that to the horizon.
 5 Scattered field of ice from shore to about five miles out. Fog.
 6 Scattered pieces of ice from shore to the horizon with much open water noticed.
 9 A field of ice along the shore and along the horizon with open water in between, with scattered pans of drift ice in all directions. The cove is clear of ice.
 10 Icefield extending to approximately one-half mile off shore. Open water to the horizon beyond the ice field.
 11 Close packed ice along the shore to about one-quarter of a mile out, then clear open water to the horizon.
 13 A few scattered pieces of ice along the shore and in the cove, then open water to the horizon.
 14 A small field of ice in the cove and along the mouth of the cove, remainder open water to the horizon.

- July 16 A few small scattered pieces of ice along the shore. Remainder, open water to the horizon.
- 18 A few small scattered pieces along the shore, otherwise clear open water.
- 19 Scattered pieces of ice along the shore.
- 20 A few scattered pieces along the shore.
- 23 A few small scattered pieces along the shore.
- 27 No ice in sight.
- 31 No ice in sight. Rain reducing visibility.
- Aug. 8 No ice in sight.
- 10 No ice in sight.
- 15 No ice in sight.
- 23 A few scattered pieces of drift ice two miles to the SW.
- 27 Scattered pieces of ice from shore to two miles off, then loose packed to the horizon.
- 27 Scattered pieces of ice from shore to horizon.
- 28 No report. Fog.
- 29 No ice in sight.
- Sept. 2 Widely open ice from two miles off shore to the horizon.
- 3 No ice in sight.
- 8 No ice in sight.
- 17 No ice in sight.
- 29 No ice seen since last report.
- Oct. 3 No ice in sight.
- 5 No ice in sight.
- 12 No ice in sight.
- 20 The cove is frozen solid but there is no ice at sea.
- 25 The cove ice has broken up and drifted out. No sea ice report.
- 26 The cove is frozen over. No ice at sea.
- 29 Ice forming for about one-quarter mile along the shore, otherwise no ice in sight.
- Nov. 3 Sea ice forming to the horizon.
- 6 Light, open, new ice to the horizon.
- 7 Strings of ice to the horizon.
- 8 Ice to the horizon, with open leads.
- 9 Solid ice from shore to one mile off, then open water to the horizon.
- 10 Solid pan ice from four miles off shore to the horizon.
- 11 &
- 12 A single string of ice three miles off shore.
- 13 Light open ice to the horizon.
- 14 Open new ice to the horizon. Two bergs fifteen miles SW of the station.
- 15 Light new ice forming to the horizon.
- 16 Slob ice to the horizon.
- 17 Clear to eight miles off shore, then solid field ice to the horizon.
- 19 Field ice at the horizon.
- 20 No report. Blowing snow.
- 21 No report. Blowing snow.
- 22 New ice from shore to the horizon.
- 23 No report. Dense snow.
- 24 Field ice to the horizon, with one-tenth open water.
- 25 Close packed ice from shore to the horizon.
- 26 Ice from shore to the horizon
- 27 Close packed new ice to one mile off shore, then open water to the horizon.
- 28 Solid pack of new ice to the horizon.
- 29 Close packed new ice to the horizon.
- 30 Close packed ice to the horizon.

CHURCHILL

- July 2 Scattered drift ice in the Bay. River clear of ice.
3 A small amount of scattered drift ice in the Bay. River clear of ice.
4 A small amount of scattered drift ice on the horizon. Remainder of the Bay ice free. River ice free.
6 Small amount of drift ice on the horizon. Remainder of the Bay ice free.
7 No change.
9 Ice on the horizon. Remainder of the Bay and the river free of ice.
10 No ice in sight.
11 No ice in sight.
12 No change.
13 No ice in sight.
16 No ice in sight.
18 No ice in sight.
From R.C.A.F. - Broken pan ice formation from twenty miles off shore about fifty miles wide. Large open areas beyond with occasional patches of scattered drift ice for one hundred miles. Free open water to within one hundred miles of Coral Harbour. Scattered drift ice with occasional pan ice in the vicinity of Coats Island. Coral Harbour clear of any ice. Above information passed to N.B. McLean and CQ.
19 No ice in sight.
Following report on Hudson Bay from Dakota at 1832000. Broken pan ice twenty miles off shore from Churchill approximately fifty miles wide. Scattered patches of drift ice beyond. Bay clear of ice in the vicinity of Coral Harbour.
20 No ice in sight.
Following from R.C.A.F. - Ice conditions on Hudson Bay. There is a pack of ice about sixty miles from Churchill, about sixty miles wide. The rest is clear.
Aug. 13 Following from aircraft - quote - Field of ice about 25N directly in path of ship. If he alters about 25° to port he will avoid this, Information given to ship concerned, also to N.B. McLean and CQ.
18 Following received from Regina Polaris 0238Z/Aug. 2. Sent to VCB0500Z & CQ1314Z - quote - From Position 59.44N 92.40W field ice to the East at horizon extending approximately 20 miles - unquote. From Rupertsland received 0240/2nd and broadcast to above stations at the times shown above. Quote - In heavy ice 100 miles E of Churchill - unquote. Above report also given to N.B. McLean.
29 Following received from S/S La Sierra at 29, 1730Z - quote - Ice field extends right across the Strait from Bell Peninsula to Digges Island. I believe it will be narrowest close in to Digges Island. No bergs sighted W of Long. 74°. Many bergs and growlers between 74W and 70W, only a few bergs sighted in the Straits E of 70° and outside of Strait. Unquote. Signed Master. Above sent to VAW/VAY & CQ 29, 1932Z VCB,CQ, 29,2141Z. SVZV, MAOG 29, 2207Z.
Oct. 19 Small lakes frozen. River almost filled with slob ice and a small amount of it in the Bay.
20 River partly filled with slob ice and a small amount of it in the Bay.
22 River full of slob ice and Bay half full.
23 River full of scattered drift ice and a small amount of it in the Bay.
24 No change.
25 No change.
26 A small channel in the river. The Bay is partly filled with scattered drift ice.
28 Scattered drift ice in the river. The Bay is free of ice.
29 No change.
30 There is ice along the shores of the river but open water in the centre. Strings of loose packed drift ice in the Bay.

- Oct. 31 No change.
- Nov. 1 No visibility. Blowing snow.
- 3 No visibility. Blowing snow.
- 5 With the exception of a narrow channel at the mouth of the river, both the river and bay are full of close packed ice.
- 6 No change.
- 7 Wide channel in the river. Bay partly filled with scattered drift ice.
- 8 No change.
- 9 Bay partly filled with drift ice. River unchanged.
- 10 No change.
- 11 No change.
- 12 The river and bay is full of close packed ice.
- 12 A small amount of scattered drift ice in the bay and river.
- 14 The bay and river are full of loose packed drift ice.
- 15 A narrow channel in the river. Close packed ice in the bay out to one mile off shore, then ice free to the horizon.
- 16 Scattered drift ice in the river and bay.
- 17 The River and bay full of close packed ice.
- 18 No change.
- 19 With the exception of a few small openings, the bay is full of close packed ice to the horizon. River unchanged.
- 20 River full of loose packed drift ice. A very small amount of the same in the bay.
- 21 No visibility. Blowing snow.
- 22 No visibility. Blowing snow.
- 23 No visibility.
- 24 No visibility
- 25 River and bay full of close packed ice, with no openings.
- 26 No change.
- 27 River solid. Bay solid to the horizon.
- 28 No change.
- 30 No change.

CHESTERFIELD INLET

- July 2 Open water extends for two miles up the inlet. There is also open water between Fairway Island and the mainland. The floe is about a mile and a half out.
- 3 No change.
- 4 No change.
- 5 No change.
- 6 No change.
- 7 Floe edge approximately one mile and a half out. From the floe edge to the horizon it is packed solid with drift ice.
- 9 Ice moved out of the harbour at 1300 GMT 9th. Harbour entrance filled with loose, broken ice. Broken ice moving down the Inlet in large masses.
- 10 The harbour is clear of ice. There is some drift ice about two miles out which is coming down the Inlet.
- 11 Pans of drift ice inside the harbour. Visibility one-eighth of a mile in fog.
- 12 Clear to the horizon with just an occasional pan of ice. Tavane reports that the harbour is clear of ice.
- 13 No ice in sight.
- 14 Clear of ice to the horizon.
- 15 No change.
- 16 No ice to report.
- Oct. 31 All inland lakes frozen over on October 11, at the present time the thickness is approximately fourteen inches. There are a few patches of slob ice in the harbour. Otherwise clear of ice.
- Nov. 1 No ice to report. Only an occasional patch of slob.
- 2 No change.
- 3 Slob ice forming rapidly, with open patches of water in the harbour.

- Nov. 3 Visibility out to sea one-half mile in fog.
 5 High winds drove all slob ice out of the harbour. No ice to report.
 6 No change.
 7 The entire harbour, and to a distance of approximately three miles, covered with slushy slob ice.
 9 The entire harbour is covered with thin, smooth ice. Outside the harbour as far as the horizon there is loosely packed broken ice which moved down the Inlet and was held in by easterly winds. A few patches of open water are visible.
 10 No change.
 12 Harbour covered with smooth ice. There is an area of frozen, broken-up ice extending for a distance of two miles to open water. All the ice is covered with three inches of soft snow.
 13 No change.
 14 Smooth ice covers the harbour. Frozen broken-up rough ice out beyond to the horizon.
 15 Ice four inches thick in the harbour. Otherwise no change.
 16 The frozen area extends approximately two miles out. Open water with some drifting ice extends to the horizon.
 17 No change.
 19 No change.
 20 The frozen area extends out approximately two miles with some open water and some drifting ice to the horizon.
 21 No change.
 23 Smooth, frozen ice in the harbour and rough frozen ice outside to the horizon.
 24 No change.
 26 No change.
 27 No change.
 28 No change.
 29 No change.
 30 No change.

PORT HARRISON

- July 1 to
 Oct. 1 No ice in sight.
 Oct. 1 Ice forming along the river shore and lakes during the night.
 2 Thin ice along river shore. Slush in ice in the cove.
 17 Slob ice in river extending fifteen feet from shore. Lakes freezing.
 18 River full of slob ice. Cove is frozen; lake is freezing; harbour clear.
 27 Slob ice increasing in the river. There is considerable salt water ice at the ship anchorage and outside the islands.
 31 No change since Oct. 27. Lake is frozen and ice along the river shore. There is considerable ice in the river proper. Drifting slob ice between the islands.
 Nov. 1 The river is full of slob ice, the harbour mostly clear.
 2 No change.
 3 The river is frozen above the station and the harbour full of drift slob ice.
 6 No change.
 7 No change.
 8 River frozen solid as far as salt water, then drift pan ice in all directions.
 8
 to 11 No change. The river ice is safe for crossing. The harbour is mostly clear, with strings of drift ice. Mostly open water between the islands.

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 Wave (See footnote)		Working Wave		Latitude N.	Longitude W.	Hours of Service	Coast Charge (a)
		Kc/s.	Metres	Kc/s.	Metres				
Churchill	V A P	500	600	425	706	58° 46' 32"	94° 10' 31"	Continuous during season of navigation.	6¢ per word
Chesterfield Inlet	V B Z	500	600	425	706	63° 20' 05"	90° 42' 33"	Continuous during season of navigation.	6¢ per word
Nottingham Island	V C B	500	600	420	714	63° 06' 48"	77° 56' 18"	Continuous during season of navigation.	6¢ per word
Cape Hopes Advance	V A Y	500	600	405	741	61° 05' 12"	69° 33' 24"	Continuous during season of navigation.	6¢ per word
Resolution Island	V A W	500	600	405	741	61° 18' 30"	64° 53' 24"	Continuous during season of navigation.	6¢ per word

All stations maintain watch on 500 Kc/s. (600 metres) and, with the exception of Resolution Island, take and transmit bearings on 375 Kc/s. (800 metres) after communication has been established on 500 Kc/s. (600 metres). Resolution Island takes bearings on 500 Kc/s. (600 metres) and transmits bearings on 375 Kc/s. (800 metres).

(a) 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 apply to any of above stations or see Canada Rate Sheet, International List of Coast and Ship Stations.

Radio Meteorological Reporting Station

Station	Call Sign	Calling Wave		Working Wave		Latitude N.	Longitude W.	Remarks
		Kc/s.	Metres	Kc/s.	Metres			
Port Harrison	V A L	500	600	420	714	58° 27' 17"	78° 08' 29"	Keeps watch on 500 Kc/s. (600 metres) for fifteen minute periods commencing at every odd hour from 7.00 p.m. M.S.T. inclusive, during season of navigation.

GOVERNMENT VESSELS

Station	Call Sign	Calling Wave Kc/s Metres		Working Wave Kc/s. Metres		Hours of Service	Remarks
		Kc/s	Metres	Kc/s	Metres		
C.G.S. N.B. McLean	C G S M	500	600	425	706	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 S	500	600	425	706	Continuous during season of navigation.	

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.
Diggs 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 triped slatwork daymark at base.
Bear Island (U)	64° 00' 30"	83° 13' 01"	Flashing	58 ft.	Red lantern on pole with triped slatwork daymark at base.
Churchill Harbour lighted bell buoy	58° 49' 57"	94° 05' 58"	Flashing	---	Black, steel
Churchill Harbour, Manitoba	59° 46' 35"	94° 11' 18"	Fixed	217 ft.	White light on top of workshop building.

(U) Unwatched

C.G.S. N.B. MCLEAN - HUDSON STRAIT PATROL SHIP

GENERAL DIMENSIONS AND EQUIPMENT

The C.G.S. N.B. McLean is a twin-screw ice breaking steamer of 6,500 indicated horse-power and with the following leading dimensions:-

Length (B.P.).....	260 feet
Breadth (moulded).....	60 feet
Depth (moulded).....	31 feet
Gross tonnage.....	3,253 tons
Fuel oil capacity.....	1,596 tons

The vessel is equipped with a searchlight, two 5-ton derricks and two motor launches.

She carries complete diving apparatus and the following salvage gear:-

One hundred and fifty feet of bronze flexible steam hose with connections, patching gear, shores, turnbuckles and all necessary tools are also provided.

The vessel is provided with a gyro compass, recording echo sounder, radiotelegraph, radiotelephone and radar apparatus.

The N.B. McLean is normally in Hudson Strait from the opening to the close of navigation each year and maintains constant watch on 500 kc (600 metres), call sign CGSN.

C.G.S. C.D. HOWE

The C.D. Howe, was launched at the Davie Shipbuilding yard at Lauzon, P.Q., on September 7, 1949, and made her first northern voyage in 1950.

Her principal characteristics are listed below:

Length, overall.....	294	ft.
Length (B.P.)	276	ft.
Breadth (moulded).....	50	ft.
Depth (moulded)	26	ft.
Draft (fully loaded)	18 $\frac{1}{2}$	ft.
Deadweight (at full load draft)	2,615	tons
Machinery-Twin Skinner Marine Uniflow engines, each 2,000 I.H.P., oil-fired (mfd. by Canadian Vickers Limited).		
Speed (loaded, on trials)	13.5	knots
Hold Capacity	107,000	cu. ft.
Refrigerated cargo capacity	3,050	cu. ft.
Range, without re-fuelling.....	10,000	miles

The vessel is fitted with a gyro compass, radio, including radiotelephone equipment, a direction finder, radar, and a special type of depth sounder sufficiently accurate for Hydrographic work. There is also a set of instruments installed particularly for use in collecting scientific data in areas where records have not previously been taken.