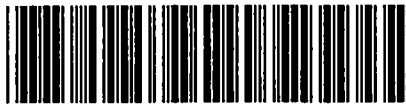


Environment Canada Imaging Cover Page

Report N.:



* C D S - 0 5 - 8 1 *

SKP Box Number: 672572447

CDS 5-81 replaced

by 7-81

Environment Canada
Library, Downsview
NOV 2 1 2001
Environment Canada
Bibliothèque (Downsview)

ATMOSPHERIC ENVIRONMENT SERVICE
EXTREMES OF ATMOSPHERIC PRESSURE IN CANADA
F.A. RICHARDSON & J.E. PARKER

CCIW
SEP 1 1981
LIBRARY
CDS # 6-71

SERVICE DE L'ENVIRONNEMENT ATMOSPHERIQUE
EXTRÊMES DE PRESSION ATMOSPHERIQUE AU CANADA
F.A. RICHARDSON ET J.E. PARKER

Data and information concerning specific observed pressure extremes in Canada are to be found in this Climatic Data Sheet and supersede data published a decade ago in CDS #6-71. Although a limited quality control check has been carried out, the extremes data should be considered as provisional since it has not been possible to carry out a complete and thorough check, especially on earlier data. Some world wide pressure extremes are listed at the end of this CDS for comparison with Canadian data.

Some Weather Offices across Canada regularly publish monthly pressure extremes in Monthly Meteorological Summaries and these extremes were used as verifications for the tables showing the highest and lowest observed pressures at selected stations. Since some of the extremes published in the Monthly Meteorological Summaries were based on six hours synoptic data only, it was frequently necessary to inspect the hourly weather observations to obtain the actual extreme values.

While it is hoped that the data contained in these tables are relatively complete and accurate, it is possible that some observed pressure extremes have been missed. Field offices with any additions or corrections to these data should notify the Canadian Climate Center at Headquarters at their convenience.

Climatological Services Division
Atmospheric Environment Service
4905 Dufferin Street
Downsview, Ontario
M3H 5T4

Dans le présent feuillet de données climatiques on trouvera des données et des renseignements sur certains extrêmes de pression relevés au Canada annulant et remplaçant les données du CDS # 6-71 publiées il y a dix ans. Il convient de considérer les données d'extrêmes comme provisoires puisqu'il n'a pas été possible d'effectuer une vérification complète de tout l'ensemble des données, surtout dans le cas des données les plus anciennes. A la fin du feuillet, on donne certains extrêmes mondiaux de pression pour les comparer aux données canadiennes.

Certains bureaux météorologiques situés un peu partout au Canada donnent régulièrement les extrêmes mensuels de pression dans des sommaires météorologiques mensuels et on les a utilisés pour vérifier les tableaux indiquant les pressions les plus élevées et les plus basses relevées à certaines stations. Étant donné que certains des extrêmes indiqués dans les sommaires météorologiques mensuels n'étaient basés que sur les données synoptiques de six heures, on a souvent dû examiner les observations météorologiques horaires pour obtenir les vraies valeurs extrêmes.

Même si l'on espère que les données contenues dans ces tableaux sont relativement complètes et justes, il est possible que l'on ait oublié certains extrêmes de pression relevés. On demande aux bureaux des services extérieurs qui auraient d'autres données ou pourraient apporter des corrections, d'en aviser L'Administration centrale du Centre climatique canadien à la première occasion.

Division des services climatologiques
Service de l'environnement atmosphérique
4905, rue Durrerin
Downsview (Ontario)
M3H 5T4

TABLEAU 1

PRESSIONS ATMOSPHÉRIQUES LES PLUS ÉLEVÉES AU CANADA

Station	Altitude Mètres	Date	Heure HNL	Pression au niveau de la mer Kilopascals	Pression Corresp. de la Station Kilopascals
Medicine Hat, Alta	717	24 Jan. 1897	6	106.73	96.51
Edmonton, Alta	658	24 Jan. 1897	6	106.57	96.53
Calgary City, Alta	1058	24 Jan. 1897	6	106.50	91.53
Fort Chimo A, Qc	36	8 Jan. 1956	9	106.41	105.89
Whitehorse A, (Yuk.)	703	1 Jan. 1974	19	106.40	96.96
Clyde, T.N.-O.	3	18 Jan. 1958	7	106.38	106.38
Dawson, (Yuk.)	324	6 Jan. 1909	8	106.36	-
Mayo Landing, (Yuk.)	495	27 Jan. 1951	9	106.36	99.21
Frobisher Bay A, T.N.-O.	34	8 Jan. 1956	15	106.27	105.98
Resolution Island, T.N.-O	367	8 Jan. 1956	20	106.22	105.69
Cape Hopes Advance, Qc	73	8 Jan. 1956	8	106.12	105.13
Resolute A, T.N.-O.	67	4 mars 1962	18	106.10	105.18
Edmonton Mun A, Alta	671	9 Jan. 1962	10	106.07	97.01

TABLE 1

HIGHEST ATMOSPHERIC PRESSURES OBSERVED IN CANADA

Station	Elevation Metres	Date	Hour LST	Sea Level Pressure Kilopascals	Corresponding Station Pressure Kilopascals
Medicine Hat, Alta	717	Jan. 24, 1897	6	106.73	96.51
Edmonton, Alta	658	Jan. 24, 1897	6	106.57	96.53
Calgary City, Alta	1058	Jan. 24, 1897	6	106.50	91.53
Fort Chimo A, Que	36	Jan. 8, 1956	9	106.41	105.89
Whitehorse A, Y.T	703	Jan. 1, 1974	19	106.40	96.96
Clyde, N.W.T	3	Jan. 18, 1958	7	106.38	106.38
Dawson, Y.T	324	Jan. 6, 1909	8	106.36	-
Mayo Landing, Y.T	495	Jan. 27, 1951	9	106.36	99.21
Frobisher Bay A, N.W.T	34	Jan. 8, 1956	15	106.27	105.98
Resolution Island, N.W.T	367	Jan. 8, 1956	20	106.22	105.69
Cape Hopes Advance, Que	73	Jan. 8, 1956	8	106.12	105.13
Resolute A, N.W.T	67	Mar. 4, 1962	18	106.10	105.18
Edmonton Mun A, Alta	671	Jan. 9, 1962	10	106.07	97.01

TABLEAU 2

PRESSIONS LES PLUS ÉLEVÉES RELEVÉES À CERTAINES STATIONS DU CANADA

Station	Altitude Mètres	Date	Heure HNL	Pression la plus élevée au niveau de la mer Kilopascals	Pression corresp. de la station Kilopascals	Incidence Multiple
Fort Nelson A	382	8 Jan. 1962	16	105.79	100.62	OUI
Prince George A	691	16 Jan. 1957	10	105.78	96.74	
Vancouver Int'l A	2	28 Jan. 1949	19	104.40	104.40	OUI
Victoria Int'l A	19	28 Jan. 1949	11	104.38	104.38	
Whitehorse A	703	1 Jan. 1974	19	106.40	96.96	
Cambridge Bay A	27	12 Jan. 1969	16	105.76	105.42	OUI
Frobisher Bay A	34	8 Jan. 1956	15	106.27	105.98	
Inuvick A	68	4 Jan. 1970	23	105.96	105.09	OUI
Resolute A	67	4 mars 1962	18	106.10	105.18	
Yellowknife A	205	8 Jan. 1962	17	105.63	102.67	
Calgary Int'l A	1084	9 Jan. 1962	10	105.94	91.97	
Edmonton Mun A	671	9 Jan. 1962	10	106.07	97.01	
Medicine Hat A	717	9 Jan. 1962	10	105.97	96.51	
Prince Albert A	428	9 Jan. 1962	11	105.64	99.83	
Regina A	577	9 Jan. 1962	20	105.70	97.91	
Churchill A	29	6 Jan. 1956	20	105.08	104.58	OUI
Winnipeg Int'l A	239	10 Jan. 1949	11	105.41	102.11	
Ottawa Int'l A	114	18 fév. 1979	07	104.85	103.31	OUI
Thunder Bay A	199	17 fév. 1979	10	105.19	102.44	
Toronto Int'l A	173	17 fév. 1979	12	105.01	102.69	
Montreal Dorval A	36	25 déc. 1949	14	105.23	104.84	
Nitchequon	536	13 déc. 1975	09	104.98	97.61	
Quebec A	73	13 déc. 1975	10	104.67	103.66	
Fredericton A	20	13 déc. 1975	19	104.52	104.23	
Sable Island	4	11 fév. 1981	02	104.97	104.97	
Shearwater A	51	13 fév. 1981	10	105.10	104.43	OUI
Sydney A	62	10 mars 1943	08	105.08	104.27	
Charlottetown A	55	13 fév. 1981	10	105.07	104.35	OUI
Gander Int'l A	151	11 fév. 1981	08	105.17	103.20	OUI
Goose A	49	8 Jan. 1956	13	104.99	104.41	
St Jean (T.-N.) A	140	11 fév. 1981	09	105.46	103.65	OUI

TABLE 2

HIGHEST OBSERVED PRESSURES AT SELECTED STATIONS IN CANADA

Station	Elevation Metres	Date	Hour LST	Sea Level Pressure Kilopascals	Corresponding Station Pressure Kilopascals	More Than One Occurrence
Fort Nelson A	382	Jan. 8, 1962	16	105.79	100.62	YES
Prince George A	691	Jan. 16, 1957	10	105.78	96.74	
Vancouver Int'l A	2	Jan. 28, 1949	19	104.40	104.40	YES
Victoria Int'l A	19	Jan. 28, 1949	11	104.38	104.38	
Whitehorse A	703	Jan. 1, 1974	19	106.40	96.96	
Cambridge Bay A	27	Jan. 12, 1969	16	105.76	105.42	YES
Frobisher Bay A	34	Jan. 8, 1956	15	106.27	105.98	
Inuvick A	68	Jan. 4, 1970	23	105.96	105.09	YES
Resolute A	67	Mar. 4, 1962	18	106.10	105.18	
Yellowknife A	205	Jan. 8, 1962	17	105.63	102.67	
Calgary Int'l A	1084	Jan. 9, 1962	10	105.94	91.97	
Edmonton Mun A	671	Jan. 9, 1962	10	106.07	97.01	
Medicine Hat A	717	Jan. 9, 1962	10	105.97	96.51	
Prince Albert A	428	Jan. 9, 1962	11	105.64	99.83	
Regina A	577	Jan. 9, 1962	20	105.70	97.91	
Churchill A	29	Jan. 6, 1956	20	105.08	104.58	YES
Winnipeg Int'l A	239	Jan. 10, 1949	11	105.41	102.11	
Ottawa Int'l A	114	Feb. 18, 1979	07	104.85	103.31	YES
Thunder Bay A	199	Feb. 17, 1979	10	105.19	102.44	
Toronto Int'l A	173	Feb. 17, 1979	12	105.01	102.69	
Montreal Dorval A	36	Dec. 25, 1949	14	105.23	104.84	
Nitchequon	536	Dec. 13, 1975	09	104.98	97.61	
Quebec A	73	Dec. 13, 1975	10	104.67	103.66	
Fredericton A	20	Dec. 13, 1975	19	104.52	104.23	
Sable Island	4	Feb. 11, 1981	02	104.97	104.97	
Shearwater A	51	Feb. 13, 1981	10	105.10	104.43	YES
Sydney A	62	Mar. 10, 1943	08	105.08	104.27	
Charlottetown A	55	Feb. 13, 1981	10	105.07	104.35	YES
Gander Int'l A	151	Feb. 11, 1981	08	105.17	103.20	YES
Goose A	49	Jan. 8, 1956	13	104.99	104.41	
St John's A	140	Feb. 11, 1981	09	105.46	103.65	YES

TABLEAU 3

PRESSIONS MAXIMALES MENSUELLES RELEVÉES À CERTAINES STATIONS

	JAN.	FÉVR.	MARS	AVR.	MAI	JUIN	JUILL.	AOÛT	SEPT.	OCT.	NOV.	DÉC.	ANNÉE
Fort Nelson A	100.62	100.06	99.91	99.75	99.74	98.54	98.62	98.55	99.48	99.80	100.00	100.30	100.62
Prince George A	96.78	96.10	95.77	95.71	95.16	94.91	94.98	95.03	95.87	95.86	96.23	96.08	96.78
Vancouver Int'l A	104.40	104.21	104.13	103.81	103.42	103.05	102.95	102.89	103.28	104.01	104.15	104.18	104.40
Victoria Int'l A	104.38	104.23	104.11	103.79	103.33	102.94	102.86	102.78	103.21	103.98	104.02	104.13	104.38
Whitehorse A	96.98	96.39	95.88	95.51	95.20	94.87	94.85	94.76	95.46	95.65	96.05	96.32	96.98
Cambridge Bay A	105.42	105.12	105.10	105.04	104.24	103.82	103.36	103.07	103.56	104.02	104.32	104.30	105.42
Frobisher Bay A	105.98	104.50	104.67	104.18	104.32	103.28	102.53	103.02	102.83	103.64	103.70	104.26	105.98
Inuvick A	105.09	104.36	104.17	103.95	103.11	102.38	102.48	102.33	102.80	103.17	104.08	103.99	105.09
Resolute A	104.64	104.61	105.18	104.16	103.87	103.07	102.27	102.54	102.42	103.03	103.34	103.95	105.18
Yellowknife A	102.67	102.18	102.22	102.65	101.34	100.82	100.52	100.53	100.94	101.59	101.95	102.04	102.67
Calgary Int'l A	91.97	91.20	91.17	90.85	90.96	90.80	90.65	90.53	91.12	91.08	91.40	91.35	91.97
Edmonton Mun A	97.01	96.34	96.51	95.97	95.63	95.40	95.19	95.08	95.67	95.84	96.28	96.41	97.01
Medicine Hat A	96.52	95.28	95.45	94.81	95.10	94.72	94.63	94.57	95.04	95.13	95.82	95.62	96.52
Prince Albert A	99.83	99.14	99.42	98.33	98.60	98.09	98.03	98.15	98.27	98.69	98.98	99.90	99.90
Regina A	97.94	97.09	97.88	97.10	96.68	96.28	96.24	96.53	96.85	96.74	97.24	97.38	97.94
Churchill A	104.58	104.39	104.20	104.46	104.09	103.23	102.79	102.40	103.00	103.38	103.33	103.73	104.58
Winnipeg Int'l A	102.07	102.06	101.80	100.96	100.54	100.37	100.04	100.44	101.11	100.92	101.53	101.30	102.07
Ottawa Int'l A	102.86	103.31	102.63	102.50	102.18	101.76	101.63	102.30	102.20	102.87	102.78	102.93	103.31
Thunder Bay A	102.12	102.44	101.66	101.66	101.16	100.92	100.52	100.90	101.10	101.43	101.88	101.73	102.44
Toronto Int'l A	102.16	102.69	102.01	101.57	101.24	101.15	100.72	101.38	101.40	102.00	101.83	102.37	102.69
Montreal/Dorval A	104.87	104.44	104.77	103.50	103.32	102.82	102.53	103.23	103.55	103.85	103.81	104.84	104.87
Nitchequon	97.78	97.56	97.30	97.72	96.91	96.97	96.56	96.79	96.97	97.65	97.55	97.61	97.78
Quebec A	103.35	103.51	102.98	103.15	102.79	102.33	101.91	102.69	102.69	103.53	103.14	103.66	103.66
Fredericton A	104.06	104.04	104.05	103.66	103.26	102.94	102.56	103.07	103.38	104.08	103.82	104.23	104.23
Sable Island	104.56	104.97	103.23	104.23	103.53	103.35	103.10	103.19	103.78	104.09	103.98	105.33	105.33
Shearwater A	103.99	104.43	103.83	103.58	102.97	102.95	102.48	102.72	103.26	103.71	103.34	103.93	104.43
Sydney A	103.95	103.95	104.27	103.55	103.19	102.94	102.40	103.14	103.25	103.16	103.66	103.95	104.27
Charlottetown A	103.80	104.35	103.62	103.28	102.70	102.52	102.40	102.53	103.02	103.53	103.25	103.72	104.35
Gander Int'l A	102.80	103.20	102.81	102.28	102.52	101.57	101.42	101.49	102.21	102.02	102.61	102.17	103.20
Goose A	104.77	104.06	103.73	103.50	103.05	103.15	102.39	102.89	102.64	103.18	103.71	103.64	104.77
St-Jean (T.-N.) A	102.96	103.65	103.00	102.50	102.65	101.71	101.41	101.57	102.39	102.28	102.67	102.14	103.65

TABLE 3

MONTHLY MAXIMUM STATION PRESSURES OBSERVED AT SELECTED STATIONS (KILOPASCALS)

	JAN.	FEB.	MAR.	APR.	MAY.	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	YEAR
Fort Nelson A	100.62	100.06	99.91	99.75	99.74	98.54	98.62	98.55	99.48	99.80	100.00	100.30	100.62
Prince George A	96.78	96.10	95.77	95.71	95.16	94.91	94.98	95.03	95.87	95.86	96.23	96.08	96.78
Vancouver Int'l A	104.40	104.21	104.13	103.81	103.42	103.05	102.95	102.89	103.28	104.01	104.15	104.18	104.40
Victoria Int'l A	104.38	104.23	104.11	103.79	103.33	102.94	102.86	102.78	103.21	103.98	104.02	104.13	104.38
Whitehorse A	96.98	96.39	95.88	95.51	95.20	94.87	94.85	94.76	95.46	95.65	96.05	96.32	96.98
Cambridge Bay A	105.42	105.12	105.10	105.04	104.24	103.82	103.36	103.07	103.56	104.02	104.32	104.30	105.42
Frobisher Bay A	105.98	104.50	104.67	104.18	104.32	103.28	102.53	103.02	102.83	103.64	103.70	104.26	105.98
Inuvick A	105.09	104.36	104.17	103.95	103.11	102.38	102.48	102.33	102.80	103.17	104.08	103.99	105.09
Resolute A	104.64	104.61	105.18	104.16	103.87	103.07	102.27	102.54	102.42	103.03	103.34	103.95	105.18
Yellowknife A	102.67	102.18	102.22	102.65	101.34	100.82	100.52	100.53	100.94	101.59	101.95	102.04	102.67
Calgary Int'l A	91.97	91.20	91.17	90.85	90.96	90.80	90.65	90.53	91.12	91.08	91.40	91.35	91.97
Edmonton Mun A	97.01	96.34	96.51	95.97	95.63	95.40	95.19	95.08	95.67	95.84	96.28	96.41	97.01
Medicine Hat A	96.52	95.28	95.45	94.81	95.10	94.72	94.63	94.57	95.04	95.13	95.82	95.62	96.52
Prince Albert A	99.83	99.14	99.42	98.33	98.60	98.09	98.03	98.15	98.27	98.69	98.98	99.90	99.90
Regina A	97.94	97.09	97.88	97.10	96.68	96.28	96.24	96.53	96.85	96.74	97.24	97.38	97.94
Churchill A	104.58	104.39	104.20	104.46	104.09	103.23	102.79	102.40	103.00	103.38	103.33	103.73	104.58
Winnipeg Int'l A	102.07	102.06	101.80	100.96	100.54	100.37	100.04	100.44	101.11	100.92	101.53	101.30	102.07
Ottawa Int'l A	102.86	103.31	102.63	102.50	102.18	101.76	101.63	102.30	102.20	102.87	102.78	102.93	103.31
Thunder Bay A	102.12	102.44	101.66	101.66	101.16	100.92	100.52	100.90	101.10	101.43	101.88	101.73	102.44
Toronto Int'l A	102.16	102.69	102.01	101.57	101.24	101.15	100.72	101.38	101.40	102.00	101.83	102.37	102.69
Montreal/Dorval A	104.87	104.44	104.77	103.50	103.32	102.82	102.53	103.23	103.55	103.85	103.81	104.84	104.87
Nitchequon	97.78	97.56	97.30	97.72	96.91	96.97	96.56	96.79	96.97	97.65	97.55	97.61	97.78
Quebec A	103.35	103.51	102.98	103.15	102.79	102.33	101.91	102.69	102.69	103.53	103.14	103.66	103.66
Fredericton A	104.06	104.04	104.05	103.66	103.26	102.94	102.56	103.07	103.38	104.08	103.82	104.23	104.23
Sable Island	104.56	104.97	103.23	104.23	103.53	103.35	103.10	103.19	103.78	104.09	103.98	105.33	105.33
Shearwater A	103.99	104.43	103.83	103.58	102.97	102.95	102.48	102.72	103.26	103.71	103.34	103.93	104.43
Sydney A	103.95	103.95	104.27	103.55	103.19	102.94	102.40	103.14	103.25	103.16	103.66	103.95	104.27
Charlottetown A	103.80	104.35	103.62	103.28	102.70	102.52	102.40	102.53	103.02	103.53	103.25	103.72	104.35
Gander Int'l A	102.80	103.20	102.81	102.28	102.52	101.57	101.42	101.49	102.21	102.02	102.61	102.17	103.20
Goose A	104.77	104.06	103.73	103.50	103.05	103.15	102.39	102.89	102.64	103.18	103.71	103.64	104.77
St John's A	102.96	103.65	103.00	102.50	102.65	101.71	101.41	101.57	102.39	102.28	102.67	102.14	103.65

TABLEAU 4

PRESSIONS ATMOSPHÉRIQUES LES PLUS FAIBLES RELEVÉES AU CANADA

Station	Altitude Mètres	Date	Heure HNL	Pression au niveau de la mer Kilopascals	Pression Corresp. de la station Kilopascals
St-Jean A, T.-N.	140	20 jan. 1977	13	94.20	92.56
Gander Int'l A, T.-N.	151	9 fév. 1964	8	94.63	92.92
Goose A, T.-N.	49	30 déc. 1956	18	94.87	94.35
Halifax, N.E.	41	1 déc. 1964	16	95.04	94.55
Sable Island, N.E.	4	9 fév. 1954	19	95.17	95.17
Sydney A, N.E.	62	19 déc. 1963	22	95.21	94.50
Shearwater A, N.E.	51	1 déc. 1964	17	95.26	94.78
Resolution Island, T.N.-O	367	25 jan. 1963	8	95.27	90.81
Frobisher Bay A, T.N.-O	34	22 jan. 1963	12	95.39	95.13
Charlottetown A, I.P.-E	55	1 déc. 1964	20	95.42	94.76
Brevoort Island, T.N.-O	370	25 jan. 1963	7	95.48	90.97
Moncton A, N.-B.	76	30 déc. 1956	6	95.57	94.69
Cartwright, T.-N.	14	24 jan. 1963	20	95.58	95.00
Montreal McGill, Qc	57	3 jan. 1913	19	95.67	94.99
Nitchequon, Qc	536	2 fév. 1976	19	95.84	89.42
St. Anthony, T.-N.	17	20 déc. 1963	13	95.88	95.67
Whitehorse A, Yuk.	703	2 jan. 1948	00	95.89	87.82

TABLE 4

LOWEST ATMOSPHERIC PRESSURES OBSERVED IN CANADA

Station	Elevation Metres	Date	Hour LST	Sea Level Pressure Kilopascals	Corresponding Station Pressure Kilopascals
St John's A, Nfld	140	Jan. 20, 1977	13	94.20	92.56
Gander Intl A, Nfld	151	Feb. 9, 1964	8	94.63	92.92
Goose A, Nfld	49	Dec. 30, 1956	18	94.87	94.35
Halifax, N.S.	41	Dec. 1, 1964	16	95.04	94.55
Sable Island, N.S.	4	Feb. 9, 1954	19	95.17	95.17
Sydney A, N.S.	62	Dec. 19, 1963	22	95.21	94.50
Shearwater A, N.S.	51	Dec. 1, 1964	17	95.26	94.78
Resolution Island, NWT	367	Jan. 25, 1963	8	95.27	90.81
Frobisher Bay A, NWT	34	Jan. 22, 1963	12	95.39	95.13
Charlottetown A, P.E.I.	55	Dec. 1, 1964	20	95.42	94.76
Brevoort Island, NWT	370	Jan. 25, 1963	7	95.48	90.97
Moncton A, N.B.	76	Dec. 30, 1956	6	95.57	94.69
Cartwright, Nfld	14	Jan. 24, 1963	20	95.58	95.00
Montreal McGill, Que	57	Jan. 3 1913	19	95.67	94.99
Nitchequon, Que	536	Feb. 2, 1976	19	95.84	89.42
St. Anthony, Nfld	17	Dec. 20, 1963	13	95.88	95.67
Whitehorse A, Y.T.	703	Jan. 2, 1948	00	95.89	87.82

TABLE 5

PRESSIONS LES PLUS FAIBLES RELEVÉES A CERTAINES STATIONS DU CANADA

Station	Altitude Mètres	Date	Heure HNL	Pression au niveau de la mer Kilopascals	Pression Corresp. de la station Kilopascals	Incidence Multiple
Fort Nelson A	382	27 nov. 1949	08	97.46	92.94	OUI
Prince George A	691	26 nov. 1949	19	97.10	89.33	
Vancouver Int'l A	2	12 jan. 1980	17	96.82	96.82	
Victoria Int'l A	19	12 jan. 1980	02	96.83	96.61	
Whitehorse A	703	2 Jan. 1948	00	95.89	87.82	
Cambridge Bay A	27	1 Jan. 1975	13	97.32	97.03	OUI
Frobisher Bay A	34	22 jan. 1963	12	95.39	95.13	
Inuvik A	68	24 déc. 1970	13	97.44	96.67	OUI
Resolute A	67	29 nov. 1968	05	97.20	94.66	
Yellowknife A	205	9 déc. 1971	05	97.83	85.43	
Calgary Int'l A	1084	12 jan. 1980	16	97.09	84.68	OUI
Edmonton Mun A	671	19 nov. 1962	18	97.11	89.38	
Medicine Hat A	717	19 nov. 1962	21	97.84	89.68	
Prince Albert A	428	19 nov. 1962	23	97.10	92.02	
Regina A	577	20 nov. 1962	00	97.51	90.88	
Churchill A	29	9 fév. 1976	01	96.54	96.10	OUI
Winnipeg Int'l A	239	10 oct. 1949	15	96.66	93.87	
Ottawa Int'l A	114	26 jan. 1978	11	96.36	95.03	
Thunder Bay A	199	11 jan. 1975	5	96.69	94.35	
Toronto Int'l A	173	26 jan. 1978	7	96.17	94.16	
Montreal Dorval A	36	2 déc. 1942	13	96.26	95.91	
Nitchequon	536	2 fév. 1976	19	95.84	89.42	
Quebec A	73	2 fév. 1976	10	96.29	95.40	
Fredericton A	20	30 dec. 1956	4	96.01	95.74	
Sable Island	4	9 fév. 1954	19	95.17	95.17	
Shearwater A	51	1 déc. 1964	17	95.26	94.78	
Sydney A	62	19 déc. 1963	22	95.21	94.50	
Charlottetown A	55	1 déc. 1964	20	95.42	94.76	
Gander Int'l A	151	9 fév. 1964	8	94.63	92.92	
Goose A	49	30 déc. 1956	18	94.87	94.35	OUI
St Jean (T.-N.) A	140	20 Jan. 1977	13	94.20	92.56	

TABLE 5

LOWEST OBSERVED PRESSURES AT SELECTED STATIONS IN CANADA

Station	Elevation Metres	Date	Hour LST	Sea Level Pressure Kilopascals	Corresponding Station Pressure Kilopascals	More Than One Occurrence
Fort Nelson A	382	Nov. 27, 1949	08	97.46	92.94	YES
Prince George A	691	Nov. 26, 1949	19	97.10	89.33	
Vancouver Int'l A	2	Jan. 12, 1980	17	96.82	96.82	
Victoria Int'l A	19	Jan. 12, 1980	02	96.83	96.61	
Whitehorse A	703	Jan. 2, 1948	00	95.89	87.82	
Cambridge Bay A	27	Jan. 1, 1975	13	97.32	97.03	YES
Frobisher Bay A	34	Jan. 22, 1963	12	95.39	95.13	
Inuvik A	68	Dec. 24, 1970	13	97.44	96.67	YES
Resolute A	67	Nov. 29, 1968	05	97.20	94.66	
Yellowknife A	205	Dec. 9, 1971	05	97.83	85.43	
Calgary Int'l A	1084	Jan. 12, 1980	16	97.09	84.68	YES
Edmonton Mun A	671	Nov. 19, 1962	18	97.11	89.38	
Medicine Hat A	717	Nov. 19, 1962	21	97.84	89.68	
Prince Albert A	428	Nov. 19, 1962	23	97.10	92.02	
Regina A	577	Nov. 20, 1962	00	97.51	90.88	
Churchill A	29	Feb. 9, 1976	01	96.54	96.10	YES
Winnipeg Int'l A	239	Oct. 10, 1949	15	96.66	93.87	
Ottawa Int'l A	114	Jan. 26, 1978	11	96.36	95.03	
Thunder Bay A	199	Jan. 11, 1975	5	96.69	94.35	
Toronto Int'l A	173	Jan. 26, 1978	7	96.17	94.16	
Montreal Dorval A	36	Dec. 2, 1942	13	96.26	95.91	
Nitchequon	536	Feb. 2, 1976	19	95.84	89.42	
Quebec A	73	Feb. 2, 1976	10	96.29	95.40	
Fredericton A	20	Dec. 30, 1956	4	96.01	95.74	
Sable Island	4	Feb. 9, 1954	19	95.17	95.17	
Shearwater A	51	Dec. 1, 1964	17	95.26	94.78	
Sydney A	62	Dec. 19, 1963	22	95.21	94.50	
Charlottetown A	55	Dec. 1, 1964	20	95.42	94.76	
Gander Int'l A	151	Feb. 9, 1964	8	94.63	92.92	
Goose A	49	Dec. 30, 1956	18	94.87	94.35	YES
St John's A	140	Jan. 20, 1977	13	94.20	92.56	

TABLEAU 6

PRESSIONS MINIMALES MENSUELLES RELEVÉES A CERTAINES STATIONS

	JAN.	FÉVR.	MARS	AVR.	MAI	JUIN	JUILL.	AOÛT	SEPT.	OCT.	NOV.	DÉC.	ANNÉE
Fort Nelson A	93.23	93.43	93.85	94.09	94.02	94.31	94.62	94.87	94.01	93.30	92.94	93.62	92.94
Prince George A	89.68	90.15	89.86	90.52	91.35	91.73	92.03	91.76	90.49	90.05	89.33	89.86	89.33
Vancouver Int'l A	96.82	97.91	98.27	98.06	99.52	100.03	100.30	99.10	99.16	97.58	98.05	97.29	96.82
Victoria Int'l A	96.61	97.89	98.26	96.88	99.16	99.87	100.18	99.77	97.53	97.38	98.29	97.23	96.61
Whitehorse A	87.82	88.95	89.55	90.21	90.09	90.96	91.09	90.83	90.19	89.10	88.29	88.80	87.82
Cambridge Bay A	97.03	97.46	98.09	97.50	97.77	98.76	98.54	97.63	96.34	97.33	97.10	97.71	97.03
Frobisher Bay A	95.13	97.01	95.95	96.17	98.08	96.60	97.64	96.83	96.24	96.70	96.35	96.21	95.13
Inuvick A	97.34	97.12	98.22	97.96	97.27	97.93	97.93	98.26	97.32	97.11	97.07	96.67	96.67
Resolute A	97.25	96.13	96.68	97.64	97.88	97.95	97.20	96.62	97.43	96.88	97.29	96.72	96.13
Yellowknife A	95.23	95.36	95.91	96.04	95.79	96.62	96.31	96.15	95.65	94.73	94.66	94.99	94.66
Calgary Int'l A	84.65	85.90	85.73	86.34	86.77	87.13	87.60	87.07	86.63	85.53	85.53	85.43	84.65
Edmonton Mun A	89.68	89.98	90.15	90.65	90.35	91.11	91.05	91.07	90.76	90.06	89.38	89.50	89.38
Medicine Hat A	89.56	89.67	90.20	90.17	90.92	89.92	91.59	90.88	90.34	90.40	89.68	89.51	89.51
Prince Albert A	93.26	92.64	93.11	92.80	93.42	93.74	93.84	93.69	93.25	92.00	92.02	93.12	92.00
Regina A	91.18	91.54	91.75	91.68	92.15	92.06	92.67	92.57	92.04	91.90	90.88	91.34	90.88
Churchill A	96.67	96.10	97.85	97.43	98.00	98.27	97.44	97.91	97.44	97.46	96.88	96.65	96.10
Winnipeg Int'l A	94.81	95.11	95.17	95.24	95.49	94.86	96.28	95.82	95.63	93.87	94.56	94.71	93.87
Ottawa Int'l A	95.03	95.42	95.77	96.36	97.43	96.85	97.85	98.17	97.38	96.65	96.11	96.38	95.03
Thunder Bay A	94.35	94.70	95.45	95.68	96.41	96.80	96.73	96.00	96.26	95.96	95.52	95.70	94.35
Toronto Int'l A	94.16	95.20	95.52	95.76	96.73	96.58	97.46	97.33	96.86	95.50	96.18	95.64	94.16
Montreal/Dorval A	96.23	96.58	96.59	97.22	98.51	97.95	98.97	99.10	98.45	97.82	96.53	95.91	95.91
Nitchequon	89.90	89.42	91.21	90.67	91.76	91.72	92.37	92.29	91.36	90.90	90.65	90.70	89.42
Quebec A	95.90	95.40	96.41	96.61	98.05	97.52	98.30	98.05	97.49	96.62	95.78	96.58	95.40
Fredericton A	96.99	96.31	96.42	97.09	98.47	98.18	98.98	98.36	96.88	97.78	96.84	95.74	95.74
Sable Island	96.18	95.17	96.55	97.64	95.80	98.05	99.08	99.36	96.71	98.36	96.05	95.38	95.17
Shearwater A	95.99	96.04	95.56	96.65	97.92	98.13	98.77	98.70	98.03	97.06	97.12	94.78	94.78
Sydney A	95.60	94.82	95.34	96.22	96.75	97.95	97.89	97.66	96.25	96.67	94.82	94.50	94.50
Charlottetown A	96.01	95.90	94.74	96.61	97.93	97.24	97.65	98.11	97.27	96.41	96.42	94.76	94.74
Gander Int'l A	93.21	92.92	94.10	95.27	95.95	96.43	97.07	96.96	93.91	95.07	94.44	94.45	92.92
Goose A	95.41	94.80	94.90	95.84	97.29	97.43	97.99	96.71	96.88	95.88	95.81	94.35	94.35
St-Jean (T.-N.) A	92.56	93.49	94.03	94.97	95.98	96.61	96.95	96.67	95.84	95.24	94.04	94.44	92.56

TABLE 6

MONTHLY MINIMUM STATION PRESSURES OBSERVED AT SELECTED STATIONS (KILOPASCALS)

	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	YEAR
Fort Nelson A	93.23	93.43	93.85	94.09	94.02	94.31	94.62	94.87	94.01	93.30	92.94	93.62	92.94
Prince George A	89.68	90.15	89.86	90.52	91.35	91.73	92.03	91.76	90.49	90.05	89.33	89.86	89.33
Vancouver Int'l A	96.82	97.91	98.27	98.06	99.52	100.03	100.30	99.10	99.16	97.58	98.05	97.29	96.82
Victoria Int'l A	96.61	97.89	98.26	96.88	99.16	99.87	100.18	99.77	97.53	97.38	98.29	97.23	96.61
Whitehorse A	87.82	88.95	89.55	90.21	90.09	90.96	91.09	90.83	90.19	89.10	88.29	88.80	87.82
Cambridge Bay A	97.03	97.46	98.09	97.50	97.77	98.76	98.54	97.63	96.34	97.33	97.10	97.71	97.03
Frobisher Bay A	95.13	97.01	95.95	96.17	98.08	96.60	97.64	96.83	96.24	96.70	96.35	96.21	95.13
Inuvick A	97.34	97.12	98.22	97.96	97.27	97.93	97.93	98.26	97.32	97.11	97.07	96.67	96.67
Resolute A	97.25	96.13	96.68	97.64	97.88	97.95	97.20	96.62	97.43	96.88	97.29	96.72	96.13
Yellowknife A	95.23	95.36	95.91	96.04	95.79	96.62	96.31	96.15	95.65	94.73	94.66	94.99	94.66
Calgary Int'l A	84.65	85.90	85.73	86.34	86.77	87.13	87.60	87.07	86.63	85.53	85.53	85.43	84.65
Edmonton Mun A	89.68	89.98	90.15	90.65	90.35	91.11	91.05	91.07	90.76	90.06	89.38	89.50	89.38
Medicine Hat A	89.56	89.67	90.20	90.17	90.92	89.92	91.59	90.88	90.34	90.40	89.68	89.51	89.51
Prince Albert A	93.26	92.64	93.11	92.80	93.42	93.74	93.84	93.69	93.25	92.00	92.02	93.12	92.00
Regina A	91.18	91.54	91.75	91.68	92.15	92.06	92.67	92.57	92.04	91.90	90.88	91.34	90.88
Churchill A	96.67	96.10	97.85	97.43	98.00	98.27	97.44	97.91	97.44	97.46	96.88	96.65	96.10
Winnipeg Int'l A	94.81	95.11	95.17	95.24	95.49	94.86	96.28	95.82	95.63	93.87	94.56	94.71	93.87
Ottawa Int'l A	95.03	95.42	95.77	96.36	97.43	96.85	97.85	98.17	97.38	96.65	96.11	96.38	95.03
Thunder Bay A	94.35	94.70	95.45	95.68	96.41	96.80	96.73	96.00	96.26	95.96	95.52	95.70	94.35
Toronto Int'l A	94.16	95.20	95.52	95.76	96.73	96.58	97.46	97.33	96.86	95.50	96.18	95.64	94.16
Montreal/Dorval A	96.23	96.58	96.59	97.22	98.51	97.95	98.97	99.10	98.45	97.82	96.53	95.91	95.91
Nitchequon	89.90	89.42	91.21	90.67	91.76	91.72	92.37	92.29	91.36	90.90	90.65	90.70	89.42
Quebec A	95.90	95.40	96.41	96.61	98.05	97.52	98.30	98.05	97.49	96.62	95.78	96.58	95.40
Fredericton A	96.99	96.31	96.42	97.09	98.47	98.18	98.98	98.36	96.88	97.78	96.84	95.74	95.74
Sable Island	96.18	95.17	96.55	97.64	95.80	98.05	99.08	99.36	96.71	98.36	96.05	95.38	95.17
Shearwater A	95.99	96.04	95.56	96.65	97.92	98.13	98.77	98.70	98.03	97.06	97.12	94.78	94.78
Sydney A	95.60	94.82	95.34	96.22	96.75	97.95	97.89	97.66	96.25	96.67	94.82	94.50	94.50
Charlottetown A	96.01	95.90	94.74	96.61	97.93	97.24	97.65	98.11	97.27	96.41	96.42	94.76	94.74
Gander Int'l A	93.21	92.92	94.10	95.27	95.95	96.43	97.07	96.96	93.91	95.07	94.44	94.45	92.92
Goose A	95.41	94.80	94.90	95.84	97.29	97.43	97.99	96.71	96.88	95.88	95.81	94.35	94.35
St John's A	92.56	93.49	94.03	94.97	95.98	96.61	96.95	96.67	95.84	95.24	94.04	94.44	92.56

TABLEAU 7

QUELQUES EXTREMES MONDIAUX DE PRESSION
(KILOPASCALS)

Pression la plus élevée au niveau de la mer

Monde	108.38	Agata, (Sibéria) U.R.S.S.	31 déc. 1968
	107.99	Barnaul, (Sibéria) U.R.S.S.	23 jan. 1900
Canada	106.73	Medicine Hat, (Alb.)	24 jan. 1897
États-Unis	106.33	Helena, (Montana)	9 jan. 1962
Alaska	106.22	Bethel	21 déc. 1937
Iles britanniques	105.59	Aberdeen, (Écosse)	31 jan. 1902

Pression la plus faible au niveau de la mer

Monde	87.74	19°N 135°E - 600 milles au N.-O. de Guam (Estimée par reconnaissance aérienne dans l'œil typhoon IDA)	24 sept. 1958
	88.66	S.S. Saporeea, 460 milles à l'est de Luzon, Philippines	18 août 1927
Canada	94.20	St.-Jean (T.-N.) A	20 jan. 1977
États-Unis	89.23	Matecumbe Key, Florida (ouragan)	2 sept. 1935
Iles britanniques	92.55	Ochertyre, (Écosse)	26 jan. 1884

TABLE 7

SOME WORLD - WIDE PRESSURE EXTREMES
(KILOPASCALS)**Highest Sea-Level Pressure**

World	108.38	Agata, Siberia, USSR	Dec 31, 1968
	107.99	Barnaul, Siberia, USSR	Jan 23, 1900
Canada	106.73	Medicine Hat, Alta.	Jan 24, 1897
United States	106.33	Helena, Mont.	Jan 9, 1962
Alaska	106.22	Bethel	Dec 21, 1937
British Isles	105.59	Aberdeen, Scotland	Jan 31, 1902

Lowest Sea-Level Pressure

World	87.74	19°N 135°E-600 miles N.W. Guam (Estimated by Aerial Reconnaissance in eye of Typhoon IDA)	Sep 24, 1958
	88.66	S.S. Sapoorea, 460 miles east of Luzon, Philippine Islands	Aug 18, 1927
Canada	94.20	St. John's A, Nfld	Jan 20, 1977
United States	89.23	Matecumbe Key, Florida (hurricane)	Sep 2, 1935
British Isles	92.55	Ochertyre, Scotland	Jan 26, 1884