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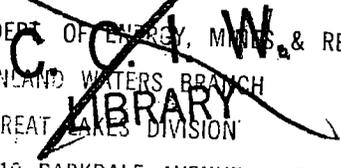
METEOROLOGICAL BRANCH - DEPARTMENT OF TRANSPORT - CANADA

TEMPERATURE NORMALS, AVERAGES AND EXTREMES
IN YUKON TERRITORY
DURING THE PERIOD 1931 TO 1960

by

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1. These Climatic Data sheets contain monthly and annual normals and averages of maximum, minimum and mean temperatures and extreme maximum and minimum temperatures for those stations in the Yukon that were in operation during all, or part of, the 1951-1960 decade.

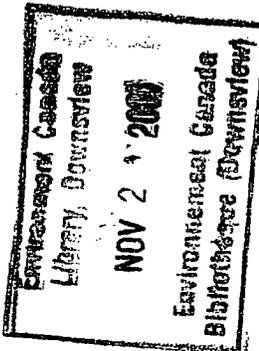
2. The values are classed as normals at stations where the uninterrupted record of observations extends over the full thirty year period, 1931-1960.

3. The values are classed as averages at those stations where the period of record is more than ten years but less than thirty years. The period of record on which these values are based is indicated for each station.

4. A substantial number of weather stations in northern Canada have periods of record of more than ten years but less than twenty years. To facilitate climatic comparisons over a homogeneous period, the decadal values of average maximum, minimum and mean temperatures are listed for all stations having complete records during the full decade 1951-1960.

5. With the further extension of the observational network in the past few years, average values of temperature are now available for sections of the north not previously covered. Differences in the reliability of these data are inherent because of short, and not strictly comparable, periods of record. Temperature comparisons, using these data, should be done with caution. For this reason, temperature averages for stations having a period of record of less than ten years are separated from the more reliable longer period records and listed in the APPENDIX. At many of these stations, adjustments have been made when unusually warm or cold months unduly influenced the average values. These adjusted values, though more representative, should still be used with discretion.

6. The extreme maximum and minimum temperatures are shown for each station. These values have been taken from the entire period of record which may be greater than that entered in listings of average and normal temperatures.



7. At a few of the locations the observing station was moved to a different place in the settlement or from the town or settlement to the airport. Where it was considered that the climatological data from the sites were homogeneous, the complete records were used. Attention to these minor re-locations is indicated by an asterisk * following the station concerned. When a major re-location was involved resulting in an appreciable change in elevation or exposure, the period of record of the station dates from this move. Although hourly weather observations were taken at many of the DEW Line construction sites during the years 1955, 1956 and 1957, climatological observations were not made on a regular basis until the station was established at its permanent location. The period of record at most of these sites dates back to the first climatological reports from the permanent site. On the other hand, the weather station remained at the original location at several of the sites, and in these cases the record dates back to the first climatological observations.

8. All temperatures are given in degrees Fahrenheit. To obtain representative and comparable observations, all stations are equipped with standard louvered shelters in which standard self registering mercury maximum and spirit minimum thermometers are housed.

Meteorological Branch,
Department of Transport,
Toronto 5, Ontario.

January 29th, 1962

HAT:tr

METEOROLOGICAL STATIONS IN THE YUKON TERRITORY IN OPERATION

DURING THE PERIOD 1951-1960

Station		Lat. N		Long. W		Height above Sea Level (ft)
		°	'	°	'	
Aishihik	A	61	39	137	29	3170
Carmacks		62	06	136	18	----
Dawson		64	04	139	26	1062
Elsa		63	55	135	29	3000
Fort Selkirk		62	47	137	17	1555
Haines Junction		60	45	137	35	2030
Iron Creek		60	01	127	51	2850
Komakuk Beach		69	35	140	11	30
Mayo Landing		63	36	135	53	1625
Old Crow		67	58	139	38	800
Shingle Point		68	57	137	12	120
Snag	A	62	22	140	24	1925
Stokes Point		69	20	138	46	100
Teslin	A	60	10	132	45	2300
Watson Lake	A	60	07	128	49	2248
Whitehorse	A	60	43	135	04	2289

YUKON TERRITORY

Monthly and Annual Normals of Daily Mean Temperature
Based on the Period 1931 - 1960

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year	Years of Record
Dawson	-17.6	-11.1	5.7	29.4	46.6	56.9	59.8	54.5	43.5	26.4	2.5	-12.9	23.6	30
Mayo Landing	-13.3	-5.5	11.3	31.0	46.3	55.7	58.4	53.4	43.4	28.4	5.2	-10.0	25.4	30

Monthly and Annual Averages of Daily Mean Temperature
Based on a Period of Record of 10 to 25 years

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year	Years of Record
Aishihik A	-6.2	0.4	10.4	24.1	40.5	50.2	53.5	49.8	40.9	26.3	8.4	-4.1	24.5	17
Haines Junction	-5.6	2.0	15.9	29.4	42.1	50.8	53.8	50.6	42.4	28.2	10.9	-2.6	26.4	16
Snag A	-18.5	-8.7	7.7	26.6	44.6	54.0	57.0	52.2	41.1	22.0	-1.0	-16.3	21.7	17
Teslin A	-3.0	4.8	17.9	30.3	43.6	53.0	56.2	52.8	45.1	32.9	17.6	4.2	29.6	17
Watson Lake A	-11.5	-1.5	14.0	31.3	45.9	55.7	59.1	55.3	46.3	32.3	9.2	-7.4	27.4	22
White-horse A	-0.6	6.7	18.3	31.7	45.5	54.6	57.5	54.3	46.3	33.3	17.2	4.9	30.8	18

Monthly and Annual Averages of Daily Mean Temperature (the decade 1951-1960)
All Stations have complete Records during the Period 1951-1960

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year
Aishihik A	-10.1	1.2	7.9	24.7	40.2	50.0	53.8	50.2	40.8	25.2	10.1	-4.4	24.1
Dawson	-22.1	-10.6	3.6	29.1	46.2	56.8	59.8	55.1	43.0	23.6	4.7	-12.8	23.0
Haines Junction	-8.7	3.3	15.2	30.3	42.0	51.1	54.2	51.0	42.7	27.6	12.1	-2.4	26.5
Mayo Landing	-18.3	-5.3	8.8	30.5	46.1	55.7	58.9	54.2	43.4	25.6	8.1	-8.3	25.0
Snag A	-21.7	-8.1	5.4	28.0	44.4	54.2	57.2	52.7	40.8	20.1	0.3	-17.1	21.4
Teslin A	-7.0	6.2	16.2	31.0	43.3	52.9	56.8	53.3	45.2	32.1	19.2	4.1	29.4
Watson Lake A	-16.6	-1.7	11.8	31.1	45.8	55.7	59.8	56.0	46.5	30.7	10.5	-8.2	26.8
White-horse A	-4.6	7.8	16.5	32.7	45.3	54.6	58.4	54.9	46.1	32.0	19.3	5.9	30.7

Y U K O N T E R R I T O R Y

Monthly and Annual Normals of Daily Maximum Temperature
Based on the Period 1931 - 1960

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year	Years of Record
Dawson	-10.7	-3.0	18.2	42.2	59.0	70.1	72.2	65.8	52.9	32.7	8.3	-6.6	33.4	30
Mayo Landing	-3.6	6.0	24.9	42.7	58.3	68.9	71.4	65.8	54.0	36.2	13.2	-1.1	36.4	30

Monthly and Annual Averages of Daily Maximum Temperature
Based on a period of record of 10 to 25 years

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year	Years of Record
Aishihik A	4.6	12.9	24.6	36.0	52.3	62.4	64.9	61.2	51.2	35.9	17.5	5.8	35.8	17
Haines Junction	6.1	16.1	29.2	41.2	55.7	65.7	67.6	64.5	55.4	39.8	20.6	7.8	39.1	16
Snag A	-8.6	4.1	23.9	40.8	57.5	67.1	69.3	64.9	52.7	32.1	7.7	-7.5	33.7	17
Teslin A	5.4	14.5	29.1	40.2	55.7	65.3	67.7	63.9	54.7	40.1	23.9	11.4	39.3	17
Watson Lake A	-2.1	10.5	27.8	42.7	57.8	67.2	70.5	66.7	56.1	39.9	16.9	0.9	37.9	22
White-horse A	6.9	15.2	28.3	41.1	56.5	66.2	68.3	64.5	55.0	39.9	23.1	11.8	39.7	18

Monthly and Annual Averages of Daily Maximum Temperature (the decade 1951-60)
All Stations have complete Records during the Period 1951-1960

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year
Aishihik A	0.4	13.8	22.3	36.8	51.8	62.0	65.1	61.1	50.9	34.9	19.0	5.8	35.3
Dawson	-15.5	-2.2	16.8	41.8	58.3	69.9	71.7	66.4	52.3	30.2	10.6	-6.5	32.8
Haines Junction	2.5	17.4	27.2	42.2	55.3	65.6	67.9	64.5	55.6	39.0	22.3	8.0	39.0
Mayo Landing	-9.3	6.1	22.9	42.3	58.0	68.9	71.7	66.4	53.7	33.7	16.1	0.9	36.0
Snag A	-12.1	4.7	22.1	42.0	57.0	67.0	69.6	65.0	52.2	30.7	8.9	-8.6	33.2
Teslin A	1.3	16.0	27.6	41.1	54.7	64.9	68.4	64.2	54.6	39.3	25.4	11.4	39.1
Watson Lake A	-7.5	10.5	25.6	42.8	57.2	66.7	71.1	67.0	56.1	38.6	18.7	0.3	37.3
White-horse A	2.7	16.4	27.0	42.3	55.9	66.2	69.4	64.9	54.8	38.8	25.3	12.8	39.7

Y U K O N T E R R I T O R Y

Monthly and Annual Normals of Daily Minimum Temperature
Based on the Period 1931 - 1960

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year	Years of Record
Dawson	-24.5	-19.1	-6.8	16.6	34.1	43.7	47.4	43.2	34.1	20.0	-3.3	-19.1	13.9	30
Mayo Landing	-23.0	-16.9	-2.3	19.3	34.2	42.4	45.3	40.9	32.8	20.5	-2.8	-18.8	14.3	30

Monthly and Annual Averages of Daily Minimum Temperature
Based on a Period of Record of 10 to 25 years

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year	Years of Record
Aishihik A	-17.0	-12.1	-3.9	12.2	28.6	37.9	42.0	38.4	30.6	16.7	-0.7	-14.0	13.2	17
Haines Junction	-17.2	-12.1	2.5	17.5	28.5	35.9	39.9	36.7	29.3	16.5	1.1	-13.0	13.8	16
Snag A	-28.3	-21.5	-8.6	12.4	31.7	40.9	44.6	39.5	29.4	11.9	-9.7	-25.0	9.8	17
Teslin A	-11.3	-4.9	6.7	20.4	31.5	40.6	44.6	41.6	35.4	25.7	11.3	-3.0	19.9	17
Watson Lake A	-20.9	-13.5	0.1	19.8	34.0	44.2	47.7	43.8	36.4	24.7	1.4	-15.6	16.8	22
White-horse A	-8.1	-1.9	8.3	22.3	34.5	42.9	46.6	44.1	37.5	26.6	11.2	-2.1	21.8	18

Monthly and Annual Averages of Daily Minimum Temperature (the decade 1951-60)
All Stations have complete Records during the Period 1951-1960

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year
Aishihik A	-20.6	-11.4	-6.5	12.6	28.6	37.9	42.5	39.3	30.7	15.5	1.1	-14.6	12.9
Dawson	-28.6	-18.9	-9.7	16.4	34.0	43.6	47.8	43.8	33.7	17.0	-1.2	-19.1	13.2
Haines Junction	-19.8	-10.9	3.2	18.4	28.6	36.6	40.5	37.5	29.7	16.1	1.8	-12.7	14.0
Mayo Landing	-27.3	-16.6	-5.4	18.7	34.2	42.4	46.1	41.9	33.0	17.5	0.0	-17.4	13.9
Snag A	-31.3	-20.8	-11.4	13.9	31.8	41.3	44.8	40.4	29.4	9.5	-8.3	-25.5	9.5
Teslin A	-15.2	-3.6	4.8	20.9	31.8	40.8	45.1	42.4	35.7	24.8	12.9	-3.3	19.8
Watson Lake A	-25.7	-13.8	-2.0	19.3	34.3	44.7	48.4	45.0	36.8	22.7	2.3	-16.7	16.3
White-horse A	-11.8	-0.8	6.0	23.1	34.6	42.9	47.3	44.8	37.3	25.1	13.3	-1.1	21.7

YUKON TERRITORY

Extreme Maximum Temperature

Station		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year	Years of Record
Aishihik	A	47	45	48	65	83	87	86	84	73	63	49	42	87	17
Carmacks		31	43	51	55	71	79	93	86	79	62	47	34	93	2
Dawson		47	48	52	69	86	95	93	88	79	68	52	55	95	60
Elsa		40	42	46	61	72	81	83	80	70	53	42	39	83	7
Fort Selkirk		45	42	47	74	85	89	89	87	78	67	50	55	89	7
Haines Junction		54	48	52	69	82	86	88	83	78	65	57	51	88	16
Komakuk Beach		26	30	Msg.	46	42	61	81	77	56	42	Msg.	45	81	2
Mayo Landing		50	53	54	68	89	95	92	86	80	65	50	52	95	36
Old Crow		7	26	44	49	75	83	86	85	63	53	28	24	86	4
Shingle Point		37	35	32	46	53	83	80	84	68	47	44	35	84	4
Snag	A	36	45	51	72	86	89	89	87	81	59	45	40	89	17
Stokes Point		22	32	Msg.	48	48	76	74	73	58	46	Msg.	38	76	2
Teslin	A	44	46	50	68	83	89	88	84	77	65	50	45	89	17
Watson Lake	A	48	47	51	68	87	93	92	90	82	71	51	46	93	22
Whitehorse	A	47	50	51	69	86	89	91	86	80	66	51	47	91	18

Extreme Minimum Temperature

Station		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year	Years of Record
Aishihik	A	-63	-70	-51	-36	4	22	26	16	-4	-19	-53	-59	-70	17
Carmacks		-74	-60	-56	-15	13	29	39	30	8	-15	-56	-57	-74	2
Dawson		-68	-73	-54	-41	8	25	29	17	8	-23	-50	-63	-73	60
Elsa		-50	-46	-37	-21	6	32	30	27	7	-16	-42	-51	-51	7
Fort Selkirk		-72	-66	-58	-14	12	27	32	25	6	-19	-57	-68	-72	7
Haines Junction		-65	-65	-45	-23	12	20	26	12	1	-23	-53	-58	-65	16
Komakuk Beach		-52	-39	-54	-30	-12	16	28	27	12	-11	-34	-38	-54	2
Mayo Landing		-73	-67	-56	-42	9	26	27	16	4	-34	-59	-72	-73	36
Old Crow		-65	-66	-54	-35	0	18	29	23	2	-35	-51	-59	-66	4
Shingle Point		-60	-47	-38	-33	-17	16	20	27	8	-18	-40	-53	-60	4
Snag	A	-78	-81	-60	-51	6	23	29	13	-2	-28	-63	-69	-81	17
Stokes Point		-57	-40	-41	-29	-15	19	27	27	15	-8	-37	-40	-57	2
Teslin	A	-63	-52	-42	-16	11	25	30	25	14	-8	-41	-53	-63	17
Watson Lake	A	-74	-67	-52	-27	13	26	35	20	12	-22	-52	-62	-74	22
Whitehorse	A	-62	-59	-37	-15	17	28	29	17	14	-12	-43	-54	-62	18

A P P E N D I X

Y U K O N T E R R I T O R Y

Monthly and Annual Averages of Daily Mean Temperature

1. Based on a period of record of less than 10 years
2. Values adjusted when unusually warm or cold months unduly influenced the average values

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year	Years of Record	
Carmacks	1	-26.1	-2.7	7.8	31.6	45.7	53.4	60.5	55.8	44.5	25.1	8.7	-8.9	24.6	2
	2	-12	-5	14	30	47	55	59	54	43	29	2	-9	26	
Elsa		-10.6	-3.4	8.4	25.5	43.1	54.9	56.9	49.7	39.9	21.5	6.6	-3.3	24.2	7
Fort Selkirk		-20.3	-8.2	7.6	31.0	45.5	55.3	58.7	54.2	43.1	24.4	5.9	-16.2	23.4	7
Iron Creek		-24.3	2.4	13.5	34.6	44.8	56.3	59.3	50.9	42.5	27.9	8.3	-1.9	26.2	2
Komakuk Beach	1	-22.7	-8.2	-18.0	-2.2	21.6	35.8	45.6	42.4	33.3	15.3	-4.9	-9.5	10.8	2
	2	-16	-17	-14	-1	21	36	46	42	31	16	-1	-11	11	
Old Crow	1	-31.1	-25.1	-7.9	10.8	29.8	50.5	58.4	50.5	35.5	17.1	-7.1	-22.6	13.3	4
	2	-25	-22	-10	11	31	51	58	48	36	17	-9	-23	14	
Shingle Point	1	-15.7	-14.8	-13.8	4.8	23.7	42.5	51.5	48.5	35.9	16.3	-7.9	-13.9	13.1	4
	2	-16	-17	-13	3	24	42	52	47	35	18	-4	-13	13	
Stokes Point	1	-23.3	-9.6	-16.8	-0.9	22.8	35.9	43.7	43.8	34.1	14.9	-8.7	-12.6	10.3	2
	2	-16	-19	12	0	22	36	45	46	32	16	-5	-14	11	

Monthly and Annual Averages of Daily Maximum Temperature

Based on a period of Record of less than 10 years

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year	Years of Record	
Carmacks		-16.5	10.6	24.1	43.7	58.6	66.9	73.5	68.6	57.2	36.6	21.7	0.9	37.2	2
Elsa		-5.4	2.7	17.7	35.7	52.5	65.7	67.0	59.1	48.0	28.4	12.2	2.6	32.2	7
Fort Selkirk		-11.4	4.6	23.4	44.7	58.4	69.8	72.1	67.2	55.0	34.2	15.0	-7.9	35.4	7
Iron Creek		-17.4	14.0	25.3	47.2	57.2	70.4	72.2	61.8	51.9	35.9	16.4	5.4	36.7	2
Komakuk Beach		-14.3	0.3	-10.6	5.9	27.6	42.4	52.9	49.3	39.0	21.3	0.5	-1.7	17.8	2
Old Crow		-23.7	-17.1	1.5	22.1	41.2	62.7	69.9	61.1	44.0	24.8	0.3	-15.9	22.6	4
Shingle Point		-7.3	-7.6	-7.5	13.3	30.0	51.6	60.9	57.1	42.7	22.7	-1.0	-6.5	20.7	4
Stokes Point		-17.2	-0.6	-10.4	6.8	28.6	41.3	50.7	49.6	39.0	19.7	-3.7	-6.5	16.4	2

A P P E N D I X

Y U K O N T E R R I T O R Y

Monthly and Annual Averages of Daily Minimum Temperature
Based on a period of Record of less than 10 years

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year	Years of Record
Carmacks	-35.7	-16.0	-8.5	19.4	32.8	39.8	47.5	42.9	31.8	13.5	-4.4	-18.7	12.0	2
Elsa	-15.7	-9.5	-1.0	15.2	33.7	44.2	46.8	40.3	31.7	14.5	1.0	-9.1	16.1	7
Fort Selkirk	-29.1	-20.9	-8.3	17.3	32.6	40.7	45.3	41.1	31.2	14.6	-3.2	-24.4	11.4	7
Iron Creek	-31.1	-9.3	1.6	22.0	32.4	42.2	46.3	40.0	33.0	19.9	0.1	-9.2	15.7	2
Komakuk Beach	-31.0	-16.6	-25.4	-10.3	15.5	29.2	38.2	35.5	27.6	9.3	-10.3	-17.3	3.8	2
Old Crow	-38.5	-33.1	-17.2	-0.6	18.4	38.3	46.9	40.0	27.0	9.4	-14.5	-29.2	4.0	4
Shingle Point	-24.0	-22.0	-20.0	-3.8	17.4	33.3	42.1	39.8	29.1	9.8	-14.8	-21.3	5.5	4
Stokes Point	-29.4	-18.5	-23.1	-8.5	17.0	30.4	36.7	37.9	29.1	10.1	-13.6	-18.8	4.1	2

NON-CIRCULATING