Environment Canada Imaging Cover Page

Report N.: *CDS-01-55*

SKP Box Number: 672572447

COS 1-55

AVERAGE MONTHLY AND ANNUAL NUMBER OF HOURS WITH FREEZING DRIZZLE AND RAIN

This tabulation lists the average monthly and annual number of hours with freezing drizzle and rain at 106 stations in Canada. These average values are based on a period of from 5 to 12 years in each case.

The basic data were abstracted from the General Summaries of Hourly Observations and/or Form 2243 where monthly values of freezing drizzle and rain are listed. Only data from stations where hourly observations are taken regularly throughout the 24 hours have been used in this tabulation.

Freezing drizzle, freezing rain and glaze are defined as follows in Manobs:-

Freezing Drizzle is precipitation that falls in the form of drizzle but freezes on impact with unheated objects in the open, e.g. the Ice Accretion Indicator.

Freezing Rain is precipitation that falls in the form of rain but freezes on impact with unheated objects in the open. If the fall is sufficiently rapid, run-off may occur at the surface as in the case of ordinary rain.

Glaze is a coating of homogeneous, transparent ice formed on exposed surfaces by rain or drizzle that freezes on contact with the exposed surface. Ice Accretion Indicators, at stations equipped with them, must be used to indicate whether or not rain or drizzle is freezing at the time of observation.

(Manobs 5.4.6.1; 5.4.6.2; and 5.6.8.)

Climatological Service
Meteorological Division
Department of Transport
26/10/55

AVERAGE NUMBER OF HOURS WITH FREEZING DRIZZLE AND RAIN
AT STATIONS IN CANADA WHERE HOURLY OBSERVATIONS HAVE BEEN TAKEN
OVER THE 24-HOUR PERIOD FOR AT LEAST 5 YEARS

STATION	YRS.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
BRITISH COLUMBIA														
Abbotsford (A)	9													
Drizzle		1	1	0	0	0	0	0	0	0	0	0	1	3
Rain		6	3	0	0	0	0	0	0	0	0	1	1	11
Ashcroft (R)	9													
Drizzle		∓	1	0	0	0	0	0	0	0	0	1	∓	2
Rain		1	0	0	0	0	0	0	0	0	0	∓	∓	1
Beatton River (A)	10													
Drizzle		∓	0	0	∓	∓	0	0	0	1	3	1	∓	5
Rain		∓	0	0	0	0	0	0	0	0	1	1	0	2
Carmi (R)	11													
Drizzle		1	∓	∓	0	0	0	0	0	0	∓	2	1	4
Rain		1	0	0	0	∓	0	0	0	0	0	∓	1	2
Comox (A)	9													
Drizzle		1	0	0	0	0	0	0	0	0	0	0	0	1
Rain		1	0	0	0	0	0	0	0	0	0	0	0	1
Cranbrook (A)	7													
Drizzle		0	1	0	0	0	0	0	0	0	0	0	∓	1
Rain		0	0	0	0	0	0	0	0	0	0	1	∓	1
Crescent Valley (R)	11													
Drizzle		1	0	0	0	0	0	0	0	0	0	∓	∓	1
Rain		1	1	0	0	0	0	0	0	0	0	∓	∓	2
Dog Creek (A)	10													
Drizzle		1	0	0	0	0	0	0	0	0	0	1	2	4
Rain		∓	0	0	0	0	0	0	0	0	∓	1	∓	1
Fort Nelson (A)	12													
Drizzle		1	0	∓	∓	0	0	0	0	1	2	7	1	12
Rain		1	0	∓	0	∓	0	0	0	0	1	3	∓	5
Fort St. John (A)	12													
Drizzle		∓	1	∓	0	0	0	0	0	0	1	3	0	5
Rain		∓	1	∓	0	0	0	0	0	0	∓	1	0	2
Kimberley (A)	11													
Drizzle		0	∓	0	0	0	0	0	0	0	0	1	1	2
Rain		0	∓	0	0	0	0	0	0	0	0	∓	0	∓
Masset (A)	5													
Drizzle		0	1	0	0	0	0	0	0	0	0	0	0	1
Rain		0	0	0	0	0	0	0	0	0	0	0	0	0
Penticton (A)	12													
Drizzle		∓	0	0	0	0	0	0	0	0	0	∓	0	∓
Rain		1	0	0	0	0	0	0	0	0	0	0	0	1
Port Hardy (A)	10													
Drizzle		∓	0	0	0	0	0	0	0	0	0	0	1	1
Rain		1	0	0	0	0	0	0	0	0	0	0	0	1
Prince George (A)	12													
Drizzle		1	∓	∓	0	0	0	0	0	0	0	1	1	3
Rain		1	∓	1	0	0	0	0	0	∓	∓	2	1	5

STATION	YRS.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
BRITISH COLUMBIA (CONT'D)														
Princeton (A)	12													
Drizzle		∓	∓	0	0	0	0	0	0	0	0	1	1	2
Rain		1	0	0	0	0	0	0	0	0	0	1	1	3
Quesnel (A)	8													
Drizzle		∓	0	0	0	0	0	0	0	0	0	∓	1	1
Rain		1	0	∓	0	0	0	0	0	0	0	2	1	4
Sandspit (A)	5													
Drizzle		0	0	0	0	0	0	0	0	0	0	0	0	0
Rain		0	0	0	0	0	0	0	0	0	0	0	0	0
Smithers (A)	5													
Drizzle		0	∓	0	0	0	0	0	0	0	1	0	1	2
Rain		0	0	0	0	0	0	0	0	0	2	1	0	3
Smith River (A)	10													
Drizzle		0	0	0	0	0	0	0	0	0	1	∓	∓	1
Rain		∓	0	0	∓	0	0	0	0	∓	2	1	∓	3
Vancouver (A)	12													
Drizzle		3	∓	0	0	0	0	0	0	0	0	0	∓	3
Rain		2	1	0	0	0	0	0	0	0	0	0	1	4
Victoria (Pat. Bay) (A)	12													
Drizzle		2	0	0	0	0	0	0	0	0	0	0	∓	2
Rain		1	0	0	0	0	0	0	0	0	0	0	0	1
YUKON TERRITORY														
Aishihik (A)	10													
Drizzle		0	∓	0	0	0	0	0	0	0	0	0	∓	∓
Rain		0	0	0	0	0	0	0	0	0	0	0	0	0
Snag (A)	10													
Drizzle		∓	0	0	0	0	0	0	0	0	2	2	0	4
Rain		∓	0	0	0	0	0	0	0	0	1	0	0	1
Teslin (A)	10													
Drizzle		1	0	0	∓	0	0	0	0	0	0	0	1	2
Rain		0	0	0	0	0	0	0	0	0	∓	0	0	∓
Watson Lake (A)	11													
Drizzle		0	0	0	0	0	0	0	0	0	∓	∓	0	∓
Rain		0	1	1	0	0	0	0	0	0	1	1	∓	4
Whitehorse (A)	11													
Drizzle		∓	∓	0	0	0	0	0	0	0	0	∓	0	∓
Rain		0	0	0	0	0	0	0	0	0	0	0	0	0
NORTHWEST TERRITORIES														
Fort Smith (A)	5													
Drizzle		1	0	0	∓	0	0	0	0	0	∓	41	2	44
Rain		0	0	1	0	0	0	0	0	0	0	∓	∓	1
Hay River (A)	5													
Drizzle		0	0	1	1	0	0	0	0	0	∓	1	0	3
Rain		0	0	0	∓	0	0	0	0	0	0	1	0	1

STATION	YRS.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
NORTHWEST TERRITORIES (CONT'D)														
Yellowknife (A)	7													
Drizzle		0	0	2	0	0	0	0	0	0	4	12	2	20
Rain		0	0	0	1	₹	0	0	0	0	2	1	₹	4
ALBERTA														
Calgary (A)	12													
Drizzle		1	₹	2	4	0	0	0	0	1	1	4	₹	13
Rain		0	0	₹	0	0	0	0	0	0	0	₹	0	₹
Cowley (A)	11													
Drizzle		1	0	₹	1	0	0	0	0	0	1	0	0	3
Rain		1	1	₹	0	₹	0	0	0	0	0	0	0	2
Edmonton (A)	13													
Drizzle		2	1	₹	0	0	0	0	0	0	1	2	1	7
Rain		₹	₹	1	0	₹	0	0	0	₹	1	1	1	4
Grande Prairie (A)	11													
Drizzle		0	₹	₹	0	0	0	0	0	0	₹	3	1	4
Rain		1	1	₹	0	0	0	0	0	0	₹	3	3	8
Lethbridge (A)	13													
Drizzle		1	₹	₹	2	0	0	0	0	0	1	1	₹	5
Rain		0	1	₹	0	0	0	0	0	0	₹	₹	1	2
Medicine Hat (A)	11													
Drizzle		0	1	₹	₹	0	0	0	0	0	₹	1	1	3
Rain		₹	₹	0	0	0	0	0	0	0	0	₹	1	1
Red Deer(Penhold)(A)	12													
Drizzle		1	1	1	₹	0	0	0	0	₹	1	3	₹	7
Rain		₹	₹	1	0	0	0	0	0	0	₹	₹	₹	1
Vermilion (A)	8													
Drizzle		3	0	1	₹	0	0	0	0	0	₹	3	3	10
Rain		1	₹	1	0	0	0	0	0	0	₹	1	₹	3
Wagner	6													
Drizzle		0	0	₹	1	0	0	0	0	0	₹	2	1	4
Rain		1	₹	2	0	0	0	0	0	0	₹	2	3	8
Whitecourt (R)	9													
Drizzle		0	0	1	1	0	0	0	0	0	₹	2	1	5
Rain		0	1	₹	0	0	0	0	0	0	₹	1	1	3
SASKATCHEWAN														
Broadview (A)	11													
Drizzle		1	1	4	2	₹	0	0	0	₹	₹	5	2	15
Rain		0	₹	1	1	₹	0	0	0	₹	₹	1	₹	3
Dafoe (A)	9													
Drizzle		1	1	2	₹	0	0	0	0	1	₹	5	3	13
Rain		1	₹	₹	₹	₹	0	0	0	0	0	1	0	2
North Battleford (A)	9													
Drizzle		1	₹	1	0	0	0	0	0	₹	1	5	4	12
Rain		1	1	₹	0	0	0	0	0	0	1	₹	₹	3

STATION	YRS.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
SASKATCHEWAN (CONT'D)														
Prince Albert (A)	10													
Drizzle		2	1	1	0	0	0	0	0	₹	1	4	2	11
Rain		₹	1	₹	₹	₹	0	0	0	0	0	1	₹	2
Regina (A)	12													
Drizzle		2	4	4	1	1	0	0	0	₹	₹	6	6	24
Rain		1	1	1	₹	0	0	0	0	₹	₹	1	₹	4
Saskatoon (A)	10													
Drizzle		5	1	2	₹	0	0	0	0	1	1	5	4	19
Rain		₹	₹	₹	1	1	0	0	0	₹	₹	1	₹	3
Swift Current (A)	11													
Drizzle		1	1	2	1	0	0	0	0	₹	1	3	2	11
Rain		1	₹	1	₹	0	0	0	0	₹	₹	₹	1	3
Yorkton (A)	9													
Drizzle		2	1	4	₹	0	0	0	0	₹	₹	5	3	15
Rain		₹	₹	0	₹	₹	0	0	0	0	0	1	1	2
MANITOBA														
Churchill (A)	8													
Drizzle		1	2	₹	5	14	3	₹	0	0	3	10	3	41
Rain		0	0	₹	2	6	2	0	0	₹	2	1	0	13
Dauphin (A)	5													
Drizzle		2	3	1	2	₹	0	0	0	0	2	7	3	20
Rain		1	1	0	0	0	0	0	0	0	₹	1	0	3
Gimli (A)	10													
Drizzle		1	5	1	2	₹	0	0	0	0	1	5	1	16
Rain		₹	₹	0	0	0	0	0	0	0	₹	1	1	2
Neepawa (A)	8													
Drizzle		1	3	2	2	₹	0	0	0	0	0	3	3	14
Rain		0	0	₹	₹	1	0	0	0	0	0	2	₹	3
Rivers (A)	11													
Drizzle		2	3	3	1	0	0	0	0	₹	0	5	2	16
Rain		₹	1	₹	1	₹	0	0	0	₹	0	1	1	4
The Pas (A)	8													
Drizzle		2	1	1	₹	₹	0	0	0	0	₹	11	2	17
Rain		0	0	₹	₹	1	0	0	0	0	₹	1	1	3
Winnipeg (A)	12													
Drizzle		5	4	4	1	0	0	0	0	0	1	6	8	29
Rain		₹	₹	1	₹	₹	0	0	0	0	1	1	1	4
ONTARIO														
Armstrong (A)	12													
Drizzle		7	5	4	1	2	0	0	0	0	₹	14	11	44
Rain		₹	2	1	1	1	₹	0	0	0	1	2	₹	8
Centralia (A)	9													
Drizzle		5	2	1	₹	0	0	0	0	0	0	1	5	14
Rain		5	7	2	₹	0	0	0	0	0	0	1	2	17

STATION	YRS.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
ONTARIO (CONT'D)														
Clear Creek (R)	12													
Drizzle		5	1	1	0	0	0	0	0	0	0	1	3	11
Rain		6	4	2	∓	0	0	0	0	0	0	∓	2	14
Earlton (A)	12													
Drizzle		6	3	2	∓	∓	0	0	0	0	∓	2	6	19
Rain		5	2	2	1	0	0	0	0	0	1	2	2	15
Fort William (A)	12													
Drizzle		4	4	2	1	∓	0	0	0	0	0	1	3	15
Rain		∓	1	1	1	∓	0	0	0	0	0	2	∓	5
Gore Bay (A)	7													
Drizzle		7	2	1	∓	0	0	0	0	0	0	0	1	11
Rain		1	2	5	0	0	0	0	0	0	0	0	2	10
Graham (A)	5													
Drizzle		14	14	5	2	2	0	0	0	0	3	18	13	71
Rain		2	3	1	∓	1	0	0	0	0	1	4	1	13
Kapuskasing (A)	12													
Drizzle		7	3	2	2	∓	0	0	0	0	1	14	10	39
Rain		2	2	1	3	∓	0	0	0	∓	∓	3	2	13
Kenora (A)	12													
Drizzle		4	7	3	1	0	0	0	0	0	∓	8	8	31
Rain		4	∓	∓	1	∓	0	0	0	0	1	3	1	10
Killaloe (A)	11													
Drizzle		6	4	4	0	0	0	0	0	0	0	1	4	19
Rain		4	2	4	1	0	0	0	0	0	0	1	4	16
London (A)	12													
Drizzle		8	4	2	1	0	0	0	0	0	0	1	6	22
Rain		9	5	4	1	0	0	0	0	0	0	1	5	25
Malton (A)	12													
Drizzle		7	4	3	1	0	0	0	0	0	0	∓	4	19
Rain		5	3	4	0	0	0	0	0	0	0	∓	3	15
Muskoka (A)	12													
Drizzle		11	6	3	1	0	0	0	0	0	0	1	8	30
Rain		6	4	6	∓	0	0	0	0	0	0	2	4	22
Nakina (A)	12													
Drizzle		10	3	3	1	1	∓	0	0	0	2	14	10	44
Rain		∓	1	2	1	∓	∓	0	0	0	2	3	1	10
North Bay (A)	12													
Drizzle		13	9	3	1	0	0	0	0	0	∓	3	8	37
Rain		7	7	4	1	∓	0	0	0	0	∓	5	8	32
Ottawa (A)	12													
Drizzle		10	9	6	∓	0	0	0	0	0	0	1	7	33
Rain		11	5	6	1	0	0	0	0	0	0	3	8	34
Pagwa (A)	12													
Drizzle		6	6	1	2	∓	∓	0	0	0	2	16	6	39
Rain		∓	1	2	1	∓	0	0	0	0	∓	2	1	7
Porquis Junction (A)	13													
Drizzle		8	4	3	1	1	∓	0	0	0	∓	11	10	38
Rain		4	2	3	1	∓	0	0	0	0	∓	4	2	16

STATION	YRS.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
ONTARIO (CONT'D)														
Rockcliffe (A)	12													
Drizzle		8	6	6	0	0	0	0	0	0	0	1	5	26
Rain		9	5	5	∓	0	0	0	0	0	0	2	6	27
Sioux Lookout (A)	12													
Drizzle		6	7	5	1	1	0	0	0	0	1	11	8	40
Rain		∓	1	∓	1	∓	0	0	0	∓	1	2	1	6
Stirling (R)	12													
Drizzle		7	3	2	∓	0	0	0	0	0	0	∓	4	16
Rain		6	3	3	0	0	0	0	0	0	0	1	4	17
Sudbury (A)	6													
Drizzle		11	3	3	1	1	0	0	0	0	∓	∓	4	23
Rain		6	1	3	1	0	0	0	0	0	0	2	4	17
Trenton (A)	10													
Drizzle		6	3	1	0	0	0	0	0	0	∓	1	3	14
Rain		6	1	2	0	0	0	0	0	0	0	3	2	14
White River	5													
Drizzle		11	6	4	1	1	0	0	0	0	0	6	7	36
Rain		1	2	1	0	∓	0	0	0	0	0	6	1	11
Wiarton (A)	7													
Drizzle		6	1	1	0	0	0	0	0	0	0	∓	2	10
Rain		3	2	4	0	0	0	0	0	0	0	0	∓	9
Windsor (A)	12													
Drizzle		5	2	2	0	0	0	0	0	0	0	∓	4	13
Rain		10	5	1	0	0	0	0	0	0	0	1	3	20
QUEBEC														
Ancienne Lorette (A)	11													
Drizzle		7	4	3	1	0	0	0	0	0	0	1	3	19
Rain		12	4	4	2	1	0	0	0	0	∓	2	8	33
Dorval (A)	12													
Drizzle		9	4	5	∓	0	0	0	0	0	0	1	6	25
Rain		8	4	4	∓	0	0	0	0	0	0	2	7	25
Megantic (A)	12													
Drizzle		3	2	3	∓	0	0	0	0	0	0	1	2	11
Rain		2	3	3	1	0	0	0	0	0	0	1	2	12
Mont Joli (A)	8													
Drizzle		6	1	4	1	0	0	0	0	0	0	2	1	15
Rain		9	1	2	0	1	0	0	0	0	0	3	4	20
St. Hubert (A)	5													
Drizzle		7	4	3	0	0	0	0	0	0	0	∓	4	18
Rain		9	2	6	0	0	0	0	0	0	0	3	6	26
Seven Islands (A)	9													
Drizzle		2	1	5	4	∓	0	0	0	0	0	1	2	15
Rain		3	2	3	2	1	0	0	0	0	1	1	3	16

STATION	YRS.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
NEW BRUNSWICK														
Chatham (A)	5													
Drizzle		10	9	16	1	0	0	0	0	0	∓	1	5	42
Rain		7	3	6	∓	0	0	0	0	0	∓	∓	4	20
Moncton (A)	12													
Drizzle		12	7	9	5	1	0	0	0	0	0	∓	4	38
Rain		6	8	9	4	2	0	0	0	0	0	1	4	34
Pennfield Ridge (A)	9													
Drizzle		6	3	4	1	0	0	0	0	0	0	∓	2	16
Rain		2	2	7	1	0	0	0	0	0	0	2	2	16
Saint John (A)	6													
Drizzle		6	4	4	0	0	0	0	0	0	0	∓	∓	14
Rain		2	3	11	1	0	0	0	0	0	0	2	3	22
NOVA SCOTIA														
Copper Lake (R)	8													
Drizzle		5	7	9	6	0	0	0	0	0	0	∓	3	30
Rain		4	6	6	2	∓	0	0	0	0	0	∓	1	19
Dartmouth (A)	11													
Drizzle		3	7	5	3	∓	0	0	0	0	0	∓	1	19
Rain		4	7	7	2	0	0	0	0	0	0	0	1	21
Debert (A)	7													
Drizzle		3	5	3	2	0	0	0	0	0	0	∓	2	15
Rain		5	6	5	1	0	0	0	0	0	0	0	∓	17
Greenwood (A)	11													
Drizzle		5	3	3	0	0	0	0	0	0	0	1	2	14
Rain		4	4	6	1	0	0	0	0	0	0	∓	2	17
Halifax	7													
Drizzle		2	5	4	1	0	0	0	0	0	0	0	∓	12
Rain		2	6	5	1	0	0	0	0	0	0	0	1	15
Sydney (A)	12													
Drizzle		7	11	12	10	0	0	0	0	0	0	0	1	41
Rain		4	7	8	4	1	0	0	0	0	0	∓	1	25
Yarmouth (A)	11													
Drizzle		1	1	2	0	0	0	0	0	0	0	0	∓	4
Rain		5	4	4	1	0	0	0	0	0	0	∓	2	16
PRINCE EDWARD ISLAND														
Charlottetown (A)	12													
Drizzle		11	6	11	7	∓	0	0	0	0	∓	1	3	39
Rain		9	7	7	4	1	0	0	0	0	0	∓	4	32
Summerside (A)	10													
Drizzle		4	8	5	2	0	0	0	0	0	0	∓	1	20
Rain		6	6	5	3	1	0	0	0	0	0	∓	1	22

STATION	YRS.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
NEWFOUNDLAND														
Buchans (A)	10													
Drizzle		8	5	7	3	1	0	0	0	0	∓	3	5	32
Rain		4	4	6	1	1	0	0	0	0	∓	2	2	20
Gander (A)	12													
Drizzle		15	20	24	16	3	∓	0	0	0	∓	9	19	106
Rain		7	12	10	4	2	0	0	0	0	∓	2	3	40
Goose Bay (A)	12													
Drizzle		4	4	3	∓	∓	∓	0	0	0	0	7	1	19
Rain		2	1	2	1	∓	∓	0	0	0	1	6	2	15
St. Andrews (A)	10													
Drizzle		1	1	2	1	0	0	0	0	0	0	0	1	6
Rain		1	∓	1	∓	0	0	0	0	0	0	0	1	3
St. Anthony	7													
Drizzle		1	2	1	1	0	0	0	0	0	0	0	1	6
Rain		1	1	1	1	∓	0	0	0	0	0	0	1	5
Torbay (A)	12													
Drizzle		14	19	22	20	4	0	0	0	0	0	1	10	90
Rain		6	10	11	12	3	0	0	0	0	0	∓	3	45

∓ indicates less than 0.5