



KITIMAT AIRSHED GROUP

Quarterly Air Quality Data Reports 2022

October – Decemner 2022

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Ministry of
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Climate Change Strategy

Automated Data Summary for
Terrace Skeena Middle School
2022 Q4

Provided to the Kitimat Airshed Group by the
B.C. Ministry of Environment and Climate Change Strategy

Generated:
9 February 2023

Note

This report is generated automatically and contains unvalidated data.

Terrace Skeena Middle School

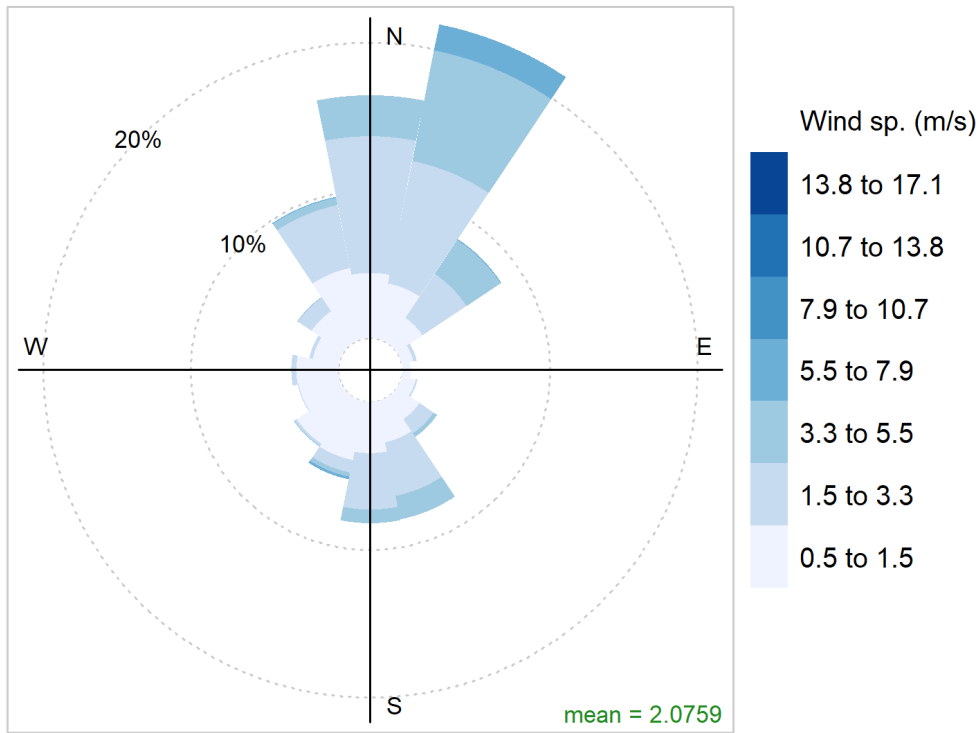
2022 Q4

Parameter	Unit	Avg Prd	Obj	Excd	Qtr Avg	Min	Max	Prd of Max	% Comp	Comp
AQHI		1 H			NA	1	7	2022-12-14 01:00:00 2022-12-14 23:00:00	97.4	Y
NO2	ppb	1 H	60	0	1.0	-1.7	16.7	2022-12-31 18:00:00	93.4	Y
SO2	ppb	1 H	70	0	1.0	-0.3	2.5	2022-12-07 12:00:00	94.3	Y
O3	ppb	1 H	82	0	16.0	-1.2	45.5	2022-10-27 04:00:00	94.9	Y
PM2.5	ug/m3	1 H			7.0	0.2	66.1	2022-12-14 23:00:00	97.3	Y
	ug/m3	24 H	25	0	7.0	2.1	19.3	2022-12-14	95.7	Y
Wind spd	m/s	1 H			2.0	0.0	7.0	2022-12-22 13:00:00	99.2	Y
Temp	°C	1 H			1.0	-21.0	20.0	2022-10-15 16:00:00	100.0	Y
Humidity	% RH	1 H			76.0	24.0	99.4	More than 5 occurrences (n = 44)	100.0	Y

Avg = Average; Comp = Completeness; Excd = number of exceedances; Obj = Air quality objective; Prd = Period; Qtr = Quarter
Comp threshold is 60%

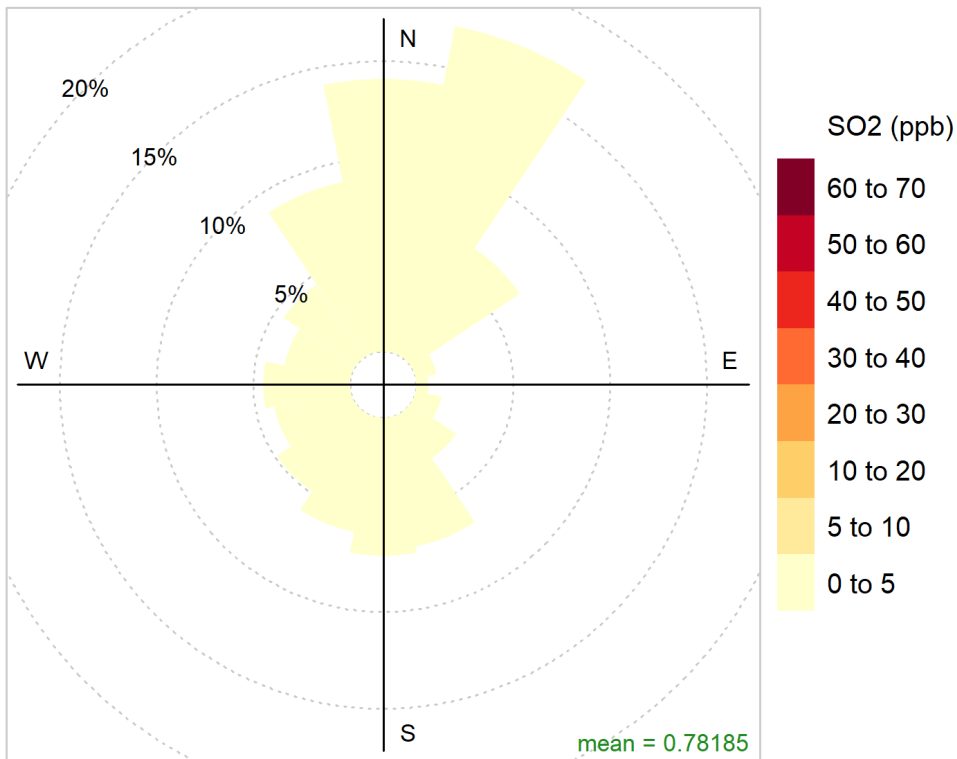
Parameter	Conversion	Unit	Notes
AQHI			
NO2	1 : 1.88	ppb : ug/m3	
SO2	1 : 2.62	ppb : ug/m3	
O3	1 : 1.96	ppb : ug/m3	
PM2.5			
Wind spd			
Temp			
Humidity			

Windrose
Terrace Skeena Middle School - 2022 Q4

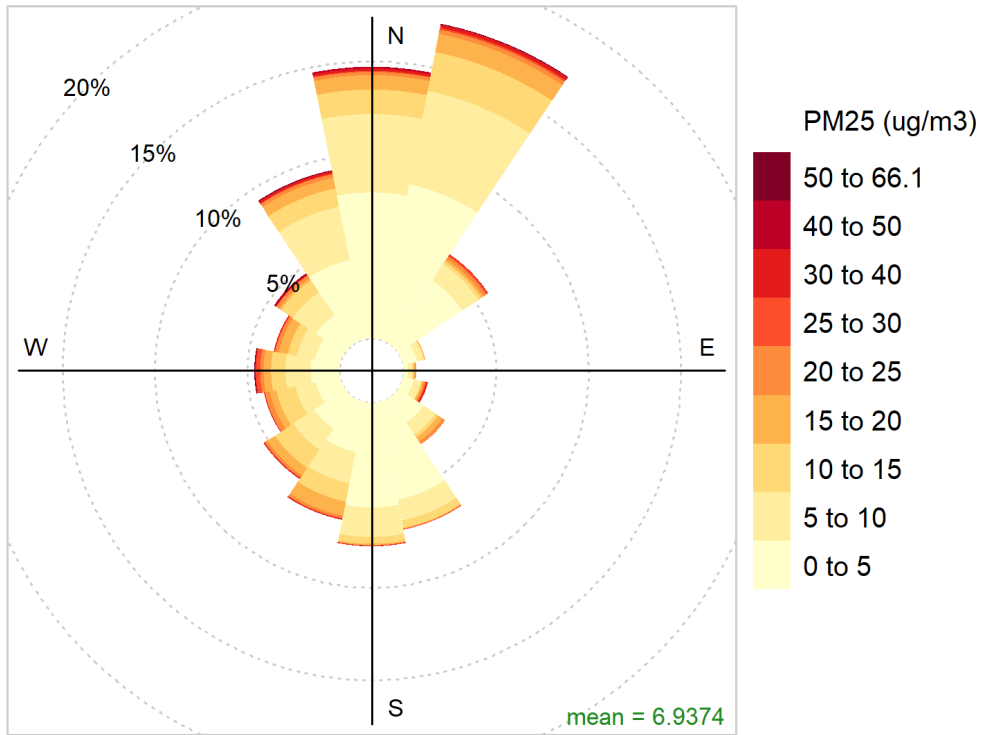


calms = 20.14%

SO2 pollution rose
Terrace Skeena Middle School - 2022 Q4



PM2.5 pollution rose
Terrace Skeena Middle School - 2022 Q4





Automated Data Summary for

**Kitimat Yacht Club
2022 Q4**

Provided to the Kitimat Airshed Group by the
B.C. Ministry of Environment and Climate Change Strategy

Generated:
9 February 2023

Note

This report is generated automatically and contains unvalidated data.

Kitimat Yacht Club

2022 Q4

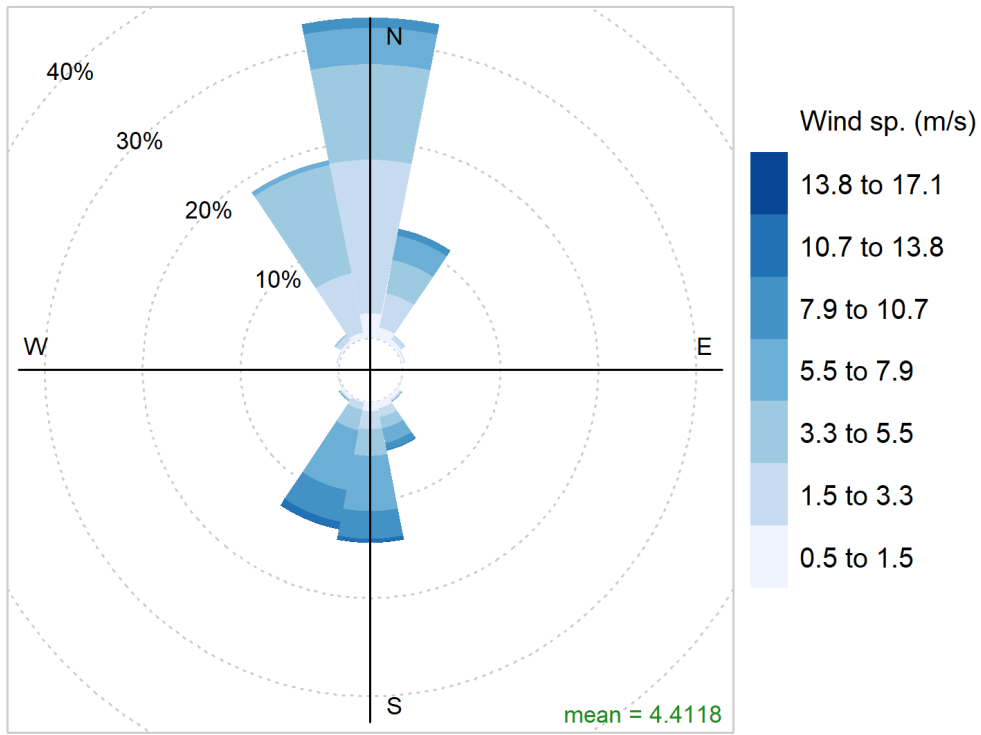
Parameter	Unit	Avg Prd	Obj	Excd	Qtr Avg	Min	Max	Prd of Max	% Comp	Comp
Wind spd	m/s	1 H			4.0	0.1	14.4	2022-10-27 00:00:00	98.2	Y
Temp	°C	1 H			2.0	-18.3	19.8	2022-10-06 16:00:00	100.0	Y

Avg = Average; Comp = Completeness; Excd = number of exceedances; Obj = Air quality objective; Prd = Period; Qtr = Quarter

Comp threshold is 60%

Parameter	Conversion	Unit	Notes
Wind spd			
Temp			

Windrose
Kitimat Yacht Club - 2022 Q4



calms = 0.28%



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Automated Data Summary for

Kitimat Whitesail 2022 Q4

Provided to the Kitimat Airshed Group by the
B.C. Ministry of Environment and Climate Change Strategy

Generated:
9 February 2023

Note

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Kitimat Whitesail

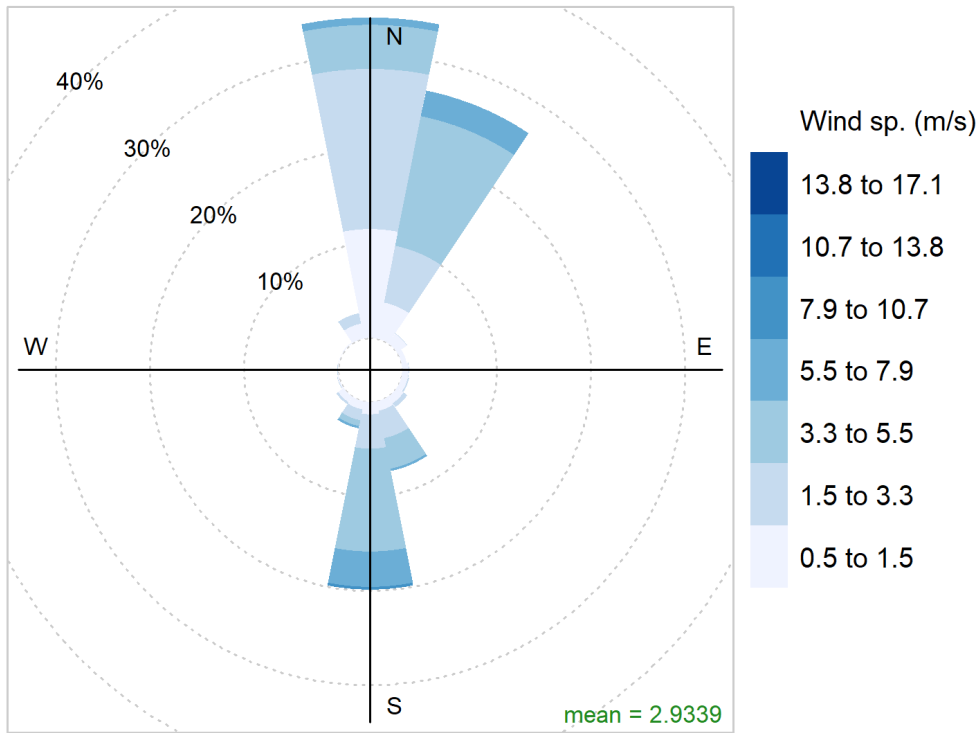
2022 Q4

Parameter	Unit	Avg Prd	Obj	Excd	Qtr Avg	Min	Max	Prd of Max	% Comp	Comp
AQHI		1 H			NA	1	10+	2022-12-29 15:00:00	94.0	Y
NO2	ppb	1 H	60	0	1.0	-0.4	11.5	2022-12-09 09:00:00	89.3	Y
SO2	ppb	1 H	70	0	0.0	0.1	6.6	2022-10-22 17:00:00	94.4	Y
O3	ppb	1 H	82	0	19.0	-1.0	47.8	2022-10-27 04:00:00	94.3	Y
PM2.5	ug/m3	1 H			6.0	0.0	174.0	2022-12-29 15:00:00	93.6	Y
	ug/m3	24 H	25	0	6.0	2.0	16.5	2022-11-17	92.4	Y
Wind spd	m/s	1 H			3.0	0.0	9.6	2022-10-27 01:00:00	100.0	Y
Temp	°C	1 H			1.0	-19.4	19.2	2022-10-06 16:00:00	100.0	Y
Humidity	% RH	1 H			82.0	30.4	98.3	More than 5 occurrences (n = 9)	100.0	Y

Avg = Average; Comp = Completeness; Excd = number of exceedances; Obj = Air quality objective; Prd = Period; Qtr = Quarter
 Comp threshold is 60%

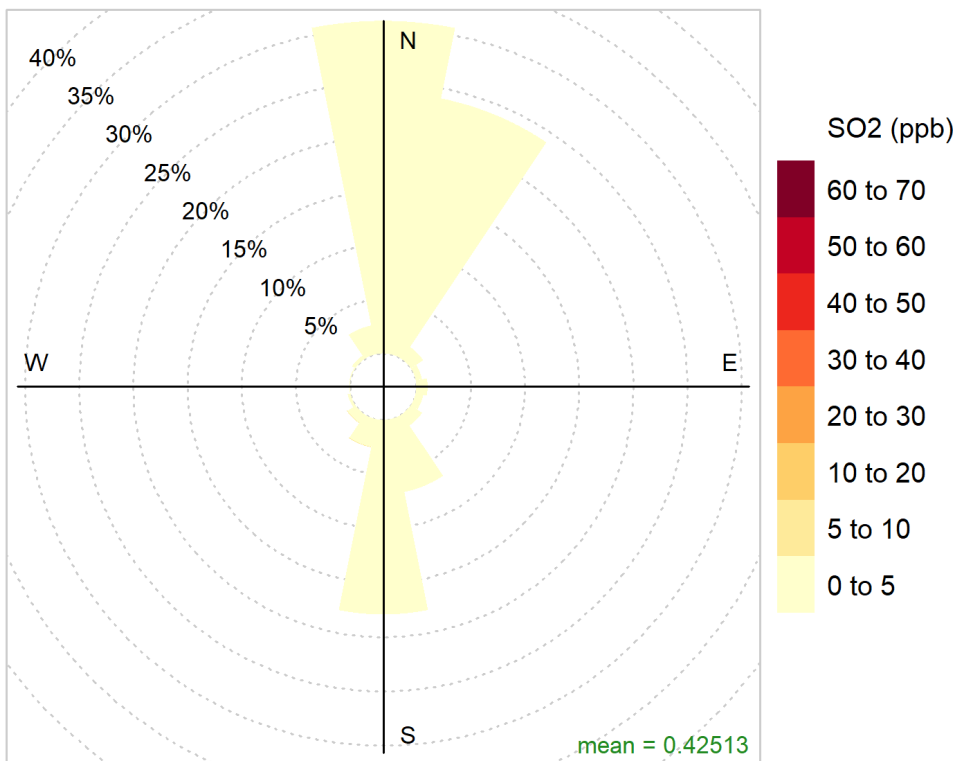
Parameter	Conversion	Unit	Notes
AQHI			
NO2	1 : 1.88	ppb : ug/m3	
SO2	1 : 2.62	ppb : ug/m3	
O3	1 : 1.96	ppb : ug/m3	
PM2.5			
Wind spd			
Temp			
Humidity			

Windrose
Kitimat Whitesail - 2022 Q4

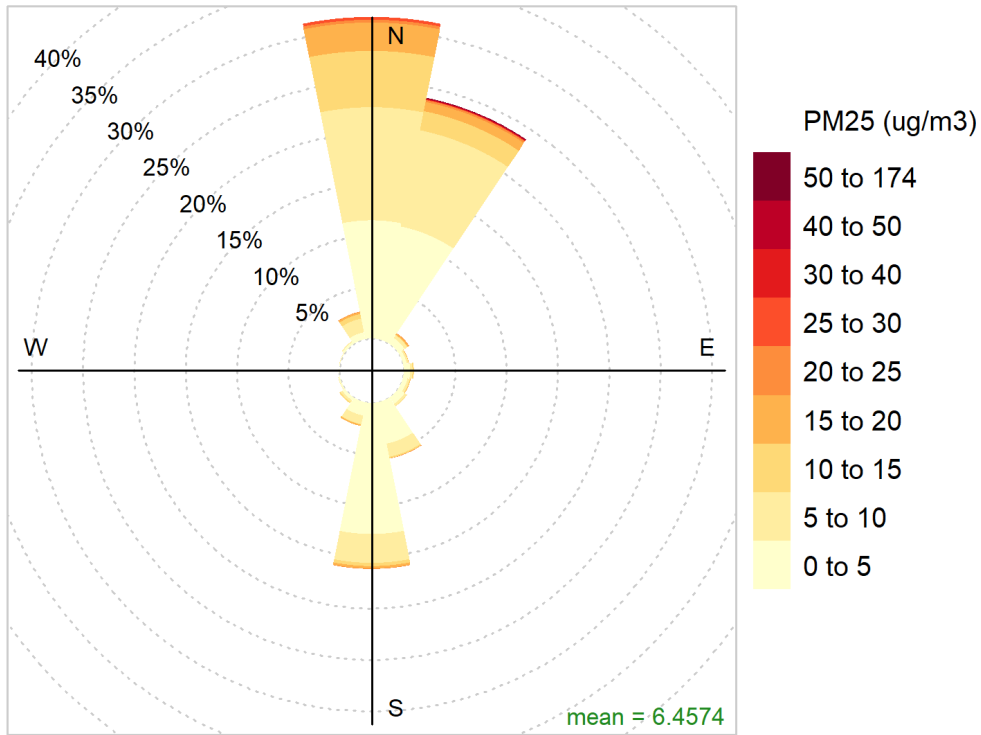


calms = 6.57%

SO2 pollution rose
Kitimat Whitesail - 2022 Q4



PM2.5 pollution rose
Kitimat Whitesail - 2022 Q4





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Automated Data Summary for

Kitimat Riverlodge 2022 Q4

Provided to the Kitimat Airshed Group by the
B.C. Ministry of Environment and Climate Change Strategy

Generated:
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Kitimat Riverlodge

2022 Q4

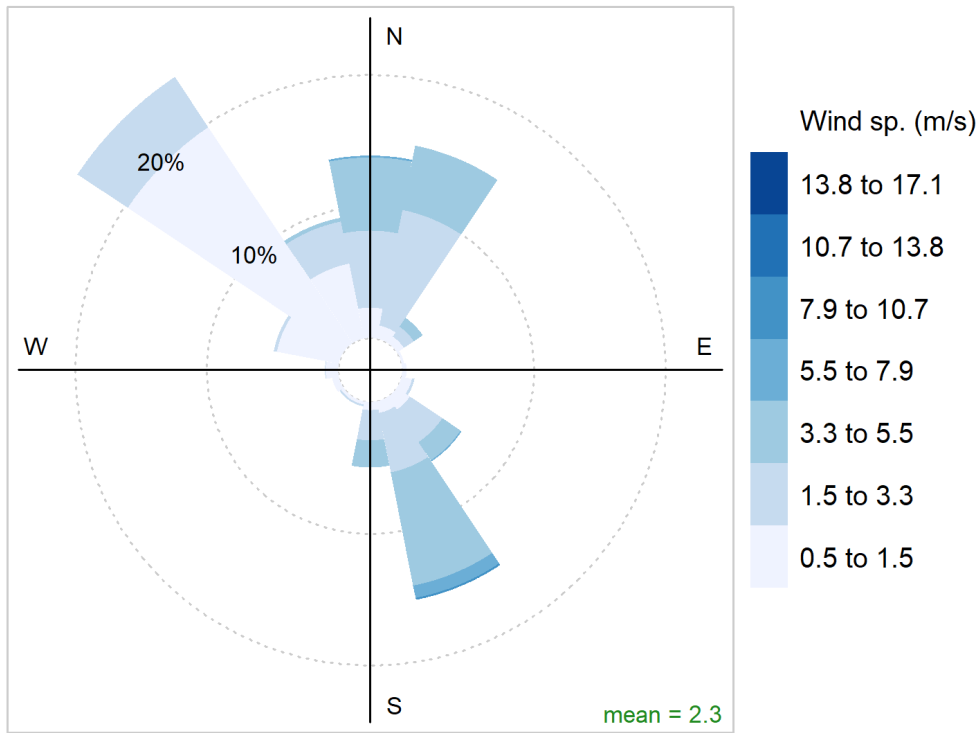
Parameter	Unit	Avg Prd	Obj	Excd	Qtr Avg	Min	Max	Prd of Max	% Comp	Comp
SO2	ppb	1 H	70	0	1.0	0.2	11.6	2022-10-05 14:00:00	95.3	Y
HF	ppb	1 H	63	0	0.0	0.0	0.3	More than 5 occurrences (n = 62)	95.3	Y
	ppb	24 H			0.0	0.0	0.3	2022-10-18	98.9	Y
PM2.5	ug/m3	1 H			5.0	0.0	34.0	2022-11-17 20:00:00	98.0	Y
	ug/m3	24 H	25	0	5.0	1.8	16.5	2022-12-16	97.8	Y
PM10	ug/m3	1 H			7.0	0.0	39.0	2022-10-05 19:00:00 2022-11-17 18:00:00	97.7	Y
	ug/m3	24 H	50	0	7.0	1.3	17.6	2022-12-16	96.7	Y
Wind spd	m/s	1 H			2.0	0.0	9.0	2022-10-27 01:00:00	97.6	Y
Temp	°C	1 H			2.0	-19.1	20.1	2022-10-06 16:00:00	100.0	Y

Avg = Average; Comp = Completeness; Excd = number of exceedances; Obj = Air quality objective; Prd = Period; Qtr = Quarter

Comp threshold is 60%

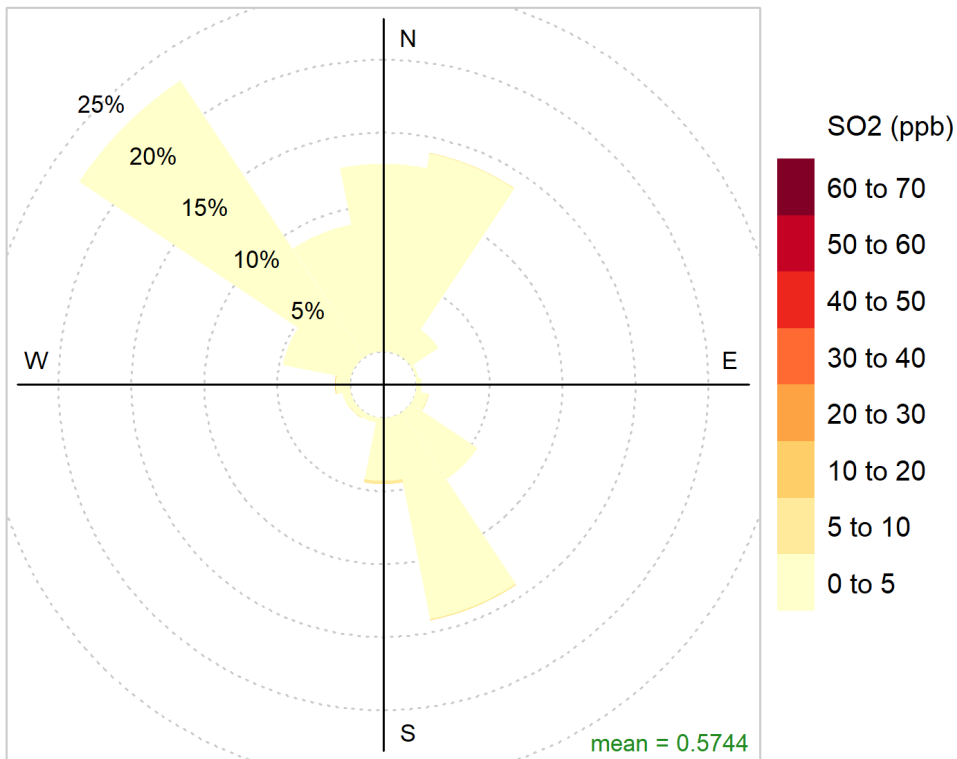
Parameter	Conversion	Unit	Notes
SO2	1 : 2.62	ppb : ug/m3	
HF	1 : 0.82	ppb : ug/m3	
PM2.5			
PM10			
Wind spd			
Temp			

Windrose
Kitimat Riverlodge - 2022 Q4

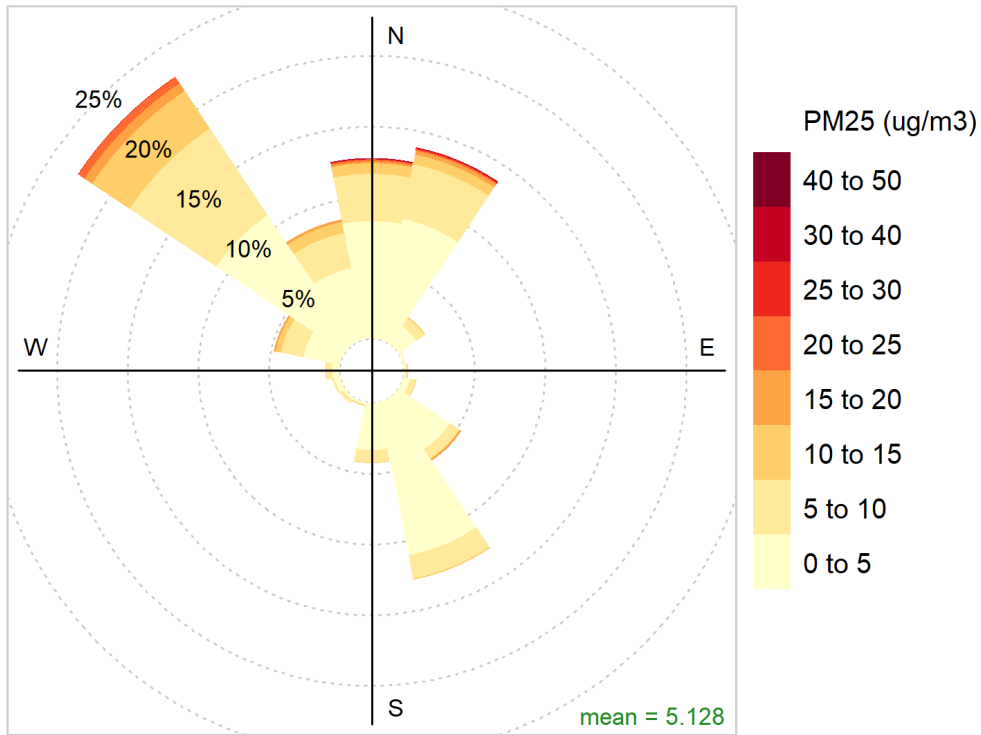


calms = 1.28%

SO2 pollution rose
Kitimat Riverlodge - 2022 Q4



PM2.5 pollution rose
Kitimat Riverlodge - 2022 Q4





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Automated Data Summary for
Kitimat Industrial Ave
2022 Q4

Provided to the Kitimat Airshed Group by the
B.C. Ministry of Environment and Climate Change Strategy

Generated:
9 February 2023

Note

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Kitimat Industrial Ave

2022 Q4

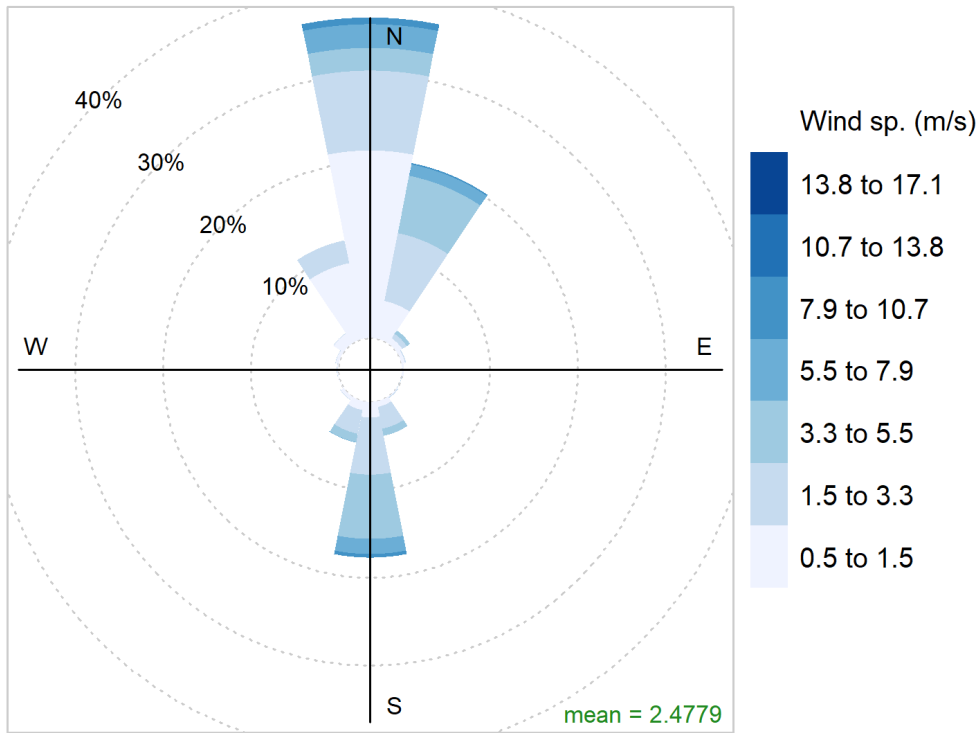
Parameter	Unit	Avg Prd	Obj	Excd	Qtr Avg	Min	Max	Prd of Max	% Comp	Comp
SO2	ppb	1 H	70	0	1.0	0.0	28.5	2022-10-09 13:00:00	95.7	Y
Wind spd	m/s	1 H			2.0	0.0	9.5	2022-10-26 22:00:00	98.1	Y
Temp	°C	1 H			2.0	-19.7	20.8	2022-10-06 15:00:00	93.1	Y
Humidity	% RH	1 H			80.0	26.1	97.5	2022-11-22 12:00:00	93.1	Y

Avg = Average; Comp = Completeness; Excd = number of exceedances; Obj = Air quality objective; Prd = Period; Qtr = Quarter

Comp threshold is 60%

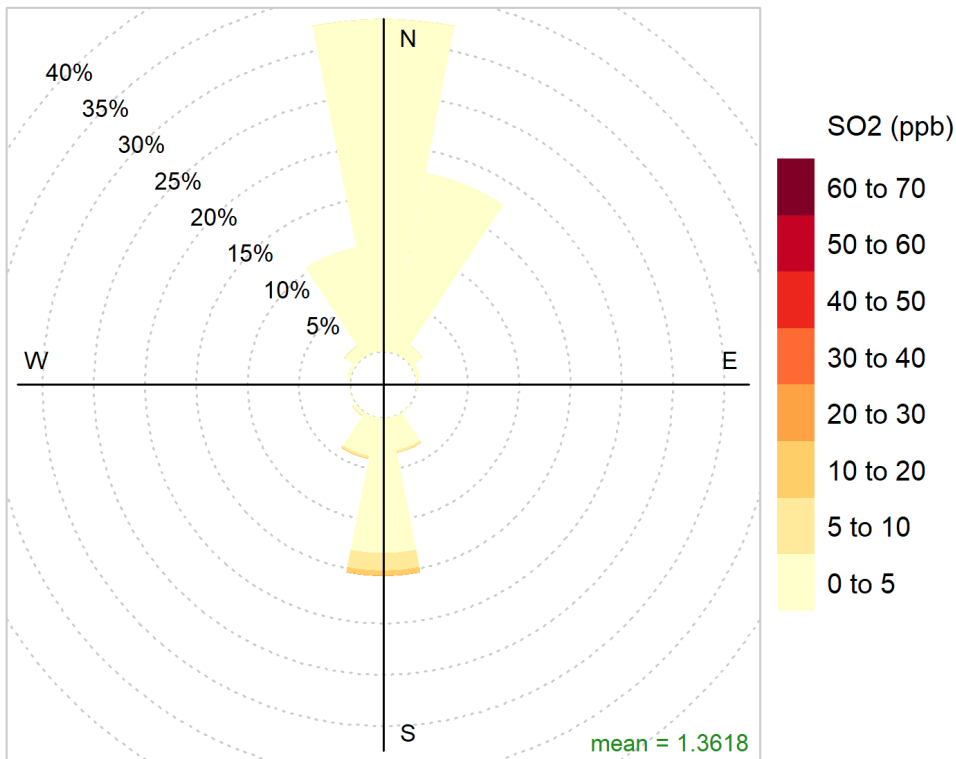
Parameter	Conversion	Unit	Notes
SO2	1 : 2.62	ppb : ug/m3	
Wind spd			
Temp			
Humidity			

Windrose
Kitimat Industrial Ave - 2022 Q4



calms = 0.45%

SO2 pollution rose
Kitimat Industrial Ave - 2022 Q4





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Automated Data Summary for

Kitimat Haul Road 2022 Q4

Provided to the Kitimat Airshed Group by the
B.C. Ministry of Environment and Climate Change Strategy

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9 February 2023

Note

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Kitimat Haul Road

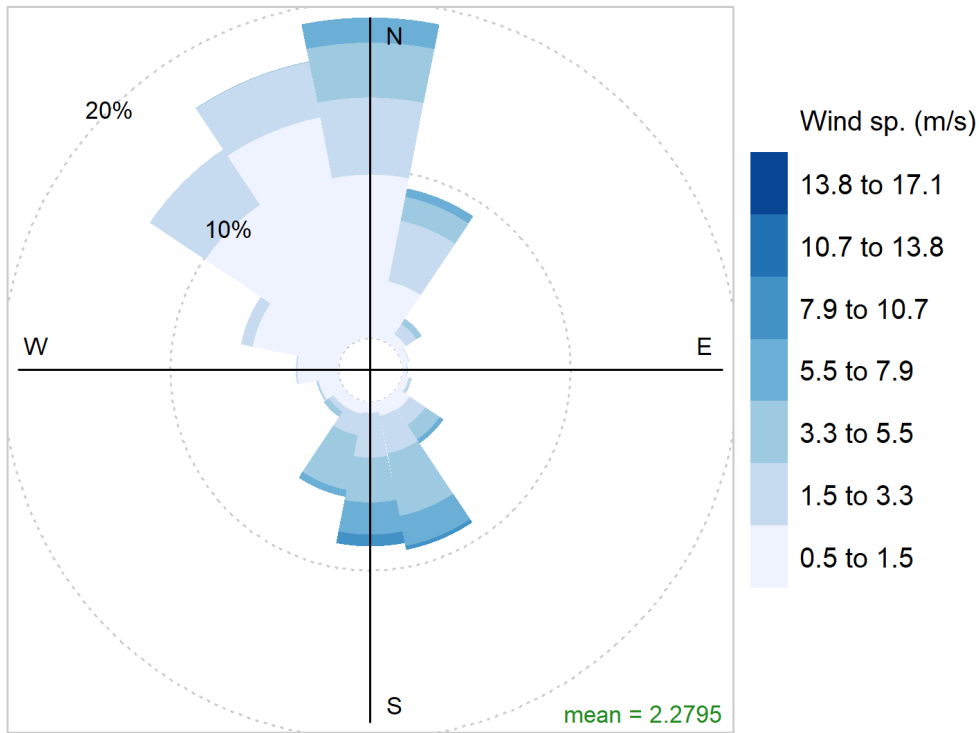
2022 Q4

Parameter	Unit	Avg Prd	Obj	Excd	Qtr Avg	Min	Max	Prd of Max	% Comp	Comp
SO2	ppb	1 H	70	0	4.0	-0.2	67.8	2022-11-26 10:00:00	95.0	Y
HF	ppb	1 H	63	0	0.0	0.0	0.5	More than 5 occurrences (n = 130)	94.8	Y
	ppb	24 H							0.0	0.0
PM2.5	ug/m3	1 H	25	0	5.0	0.0	66.0	2022-11-09 18:00:00	98.5	Y
	ug/m3	24 H							5.0	1.0
Wind spd	m/s	1 H			2.0	0.0	10.7	2022-10-26 23:00:00	100.0	Y
Temp	°C	1 H			1.0	-19.3	20.1	2022-10-06 16:00:00	100.0	Y

Avg = Average; Comp = Completeness; Excd = number of exceedances; Obj = Air quality objective; Prd = Period; Qtr = Quarter
Comp threshold is 60%

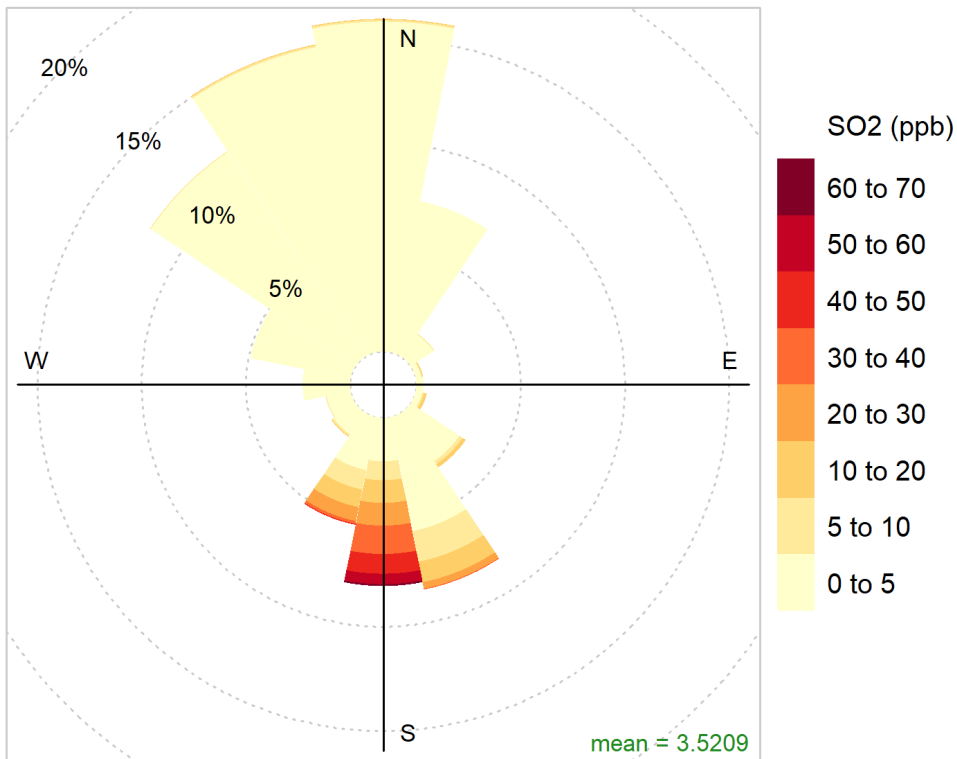
Parameter	Conversion	Unit	Notes
SO2	1 : 2.62	ppb : ug/m3	
HF	1 : 0.82	ppb : ug/m3	
PM2.5			
Wind spd			
Temp			

Windrose
Kitimat Haul Road - 2022 Q4

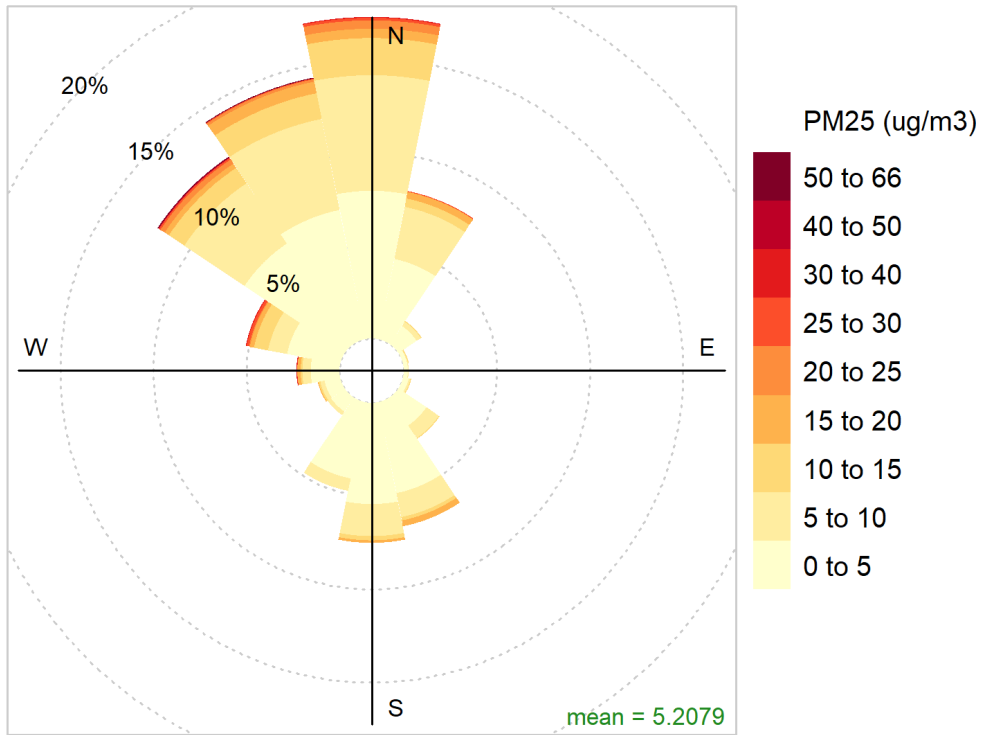


calms = 2.85%

SO2 pollution rose
Kitimat Haul Road - 2022 Q4



PM2.5 pollution rose
Kitimat Haul Road - 2022 Q4





Ministry of
Environment and
Climate Change Strategy

Automated Data Summary for
Kitimat Haisla Village
2022 Q4

Provided to the Kitimat Airshed Group by the
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Kitimat Haisla Village

2022 Q4

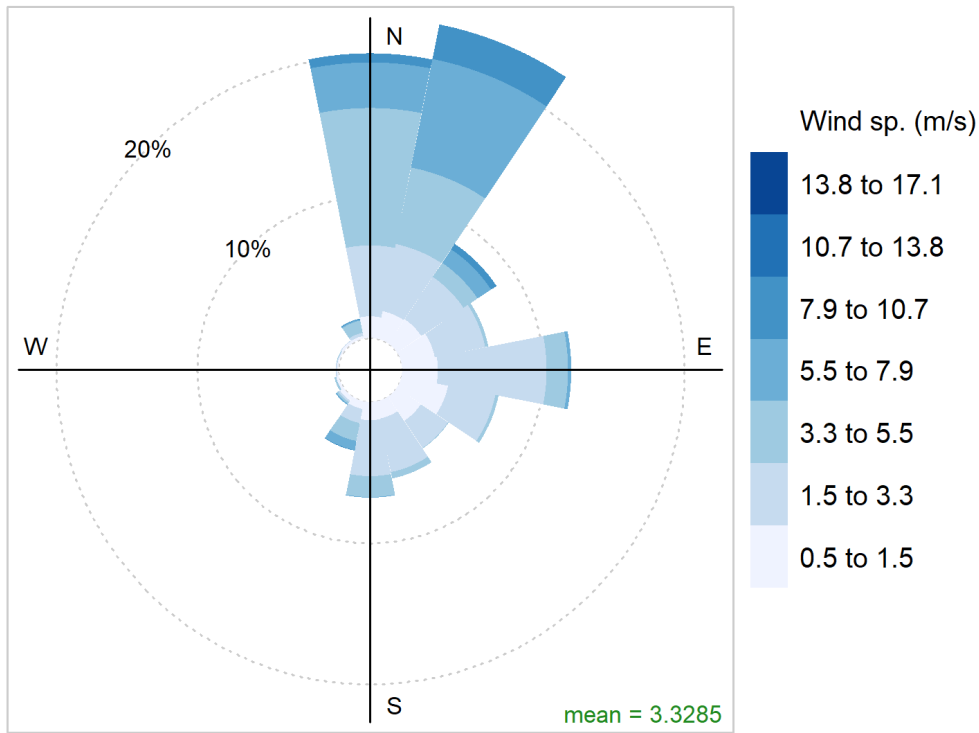
Parameter	Unit	Avg Prd	Obj	Excd	Qtr Avg	Min	Max	Prd of Max	% Comp	Comp
SO2	ppb	1 H	70	0	1.0	0.1	10.2	2022-10-09 10:00:00	95.2	Y
PM2.5	ug/m3	1 H			5.0	0.0	29.0	2022-12-11 08:00:00	97.5	Y
	ug/m3	24 H	25	0	5.0	0.5	13.9	2022-11-10	97.8	Y
Wind spd	m/s	1 H			3.0	0.0	9.7	2022-12-10 04:00:00	99.7	Y
Temp	°C	1 H			2.0	-16.9	20.6	2022-10-06 16:00:00	99.8	Y

Avg = Average; Comp = Completeness; Excd = number of exceedances; Obj = Air quality objective; Prd = Period; Qtr = Quarter

Comp threshold is 60%

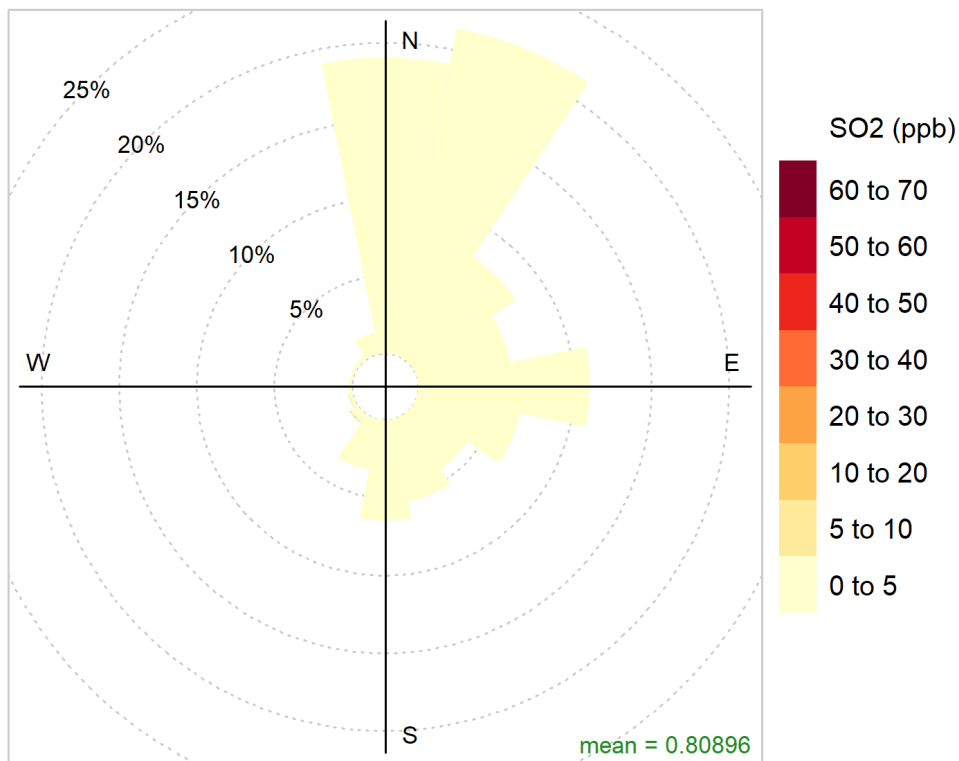
Parameter	Conversion	Unit	Notes
SO2	1 : 2.62	ppb : ug/m3	
PM2.5			
Wind spd			
Temp			

Windrose
Kitimat Haisla Village - 2022 Q4



calms = 0.73%

SO2 pollution rose
Kitimat Haisla Village - 2022 Q4



PM2.5 pollution rose
Kitimat Haisla Village - 2022 Q4

