



# KITIMAT AIRSHED GROUP

Quarterly Air Quality Data Reports 2022

July – September 2022

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Automated Data Summary for  
**Kitimat Haisla Village**  
**2022 Q3**

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 Haisla Village

## 2022 Q3

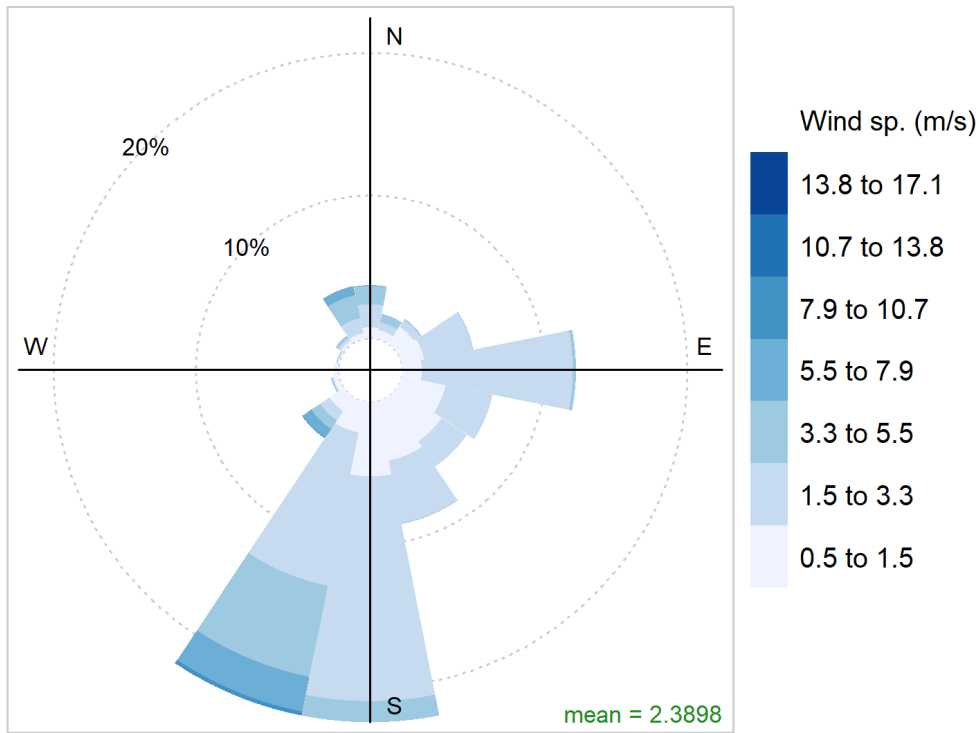
Parameter	Unit	Avg Prd	Obj	Excd	Qtr Avg	Min	Max	Prd of Max	% Comp	Comp
SO2	ppb	1 H	70	0	1.0	-0.1	30.3	2022-08-12 11:00:00	95.1	Y
PM2.5	ug/m3	1 H			2.0	0.0	13.0	2022-07-28 20:00:00	90.3	Y
	ug/m3	24 H	25	0	2.0	0.0	6.8	2022-08-10	90.2	Y
Wind spd	m/s	1 H			2.0	0.1	10.2	2022-08-26 13:00:00	99.7	Y
Temp	°C	1 H			17.0	7.3	32.7	2022-07-26 15:00:00	99.7	Y

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

Comp threshold is 60%

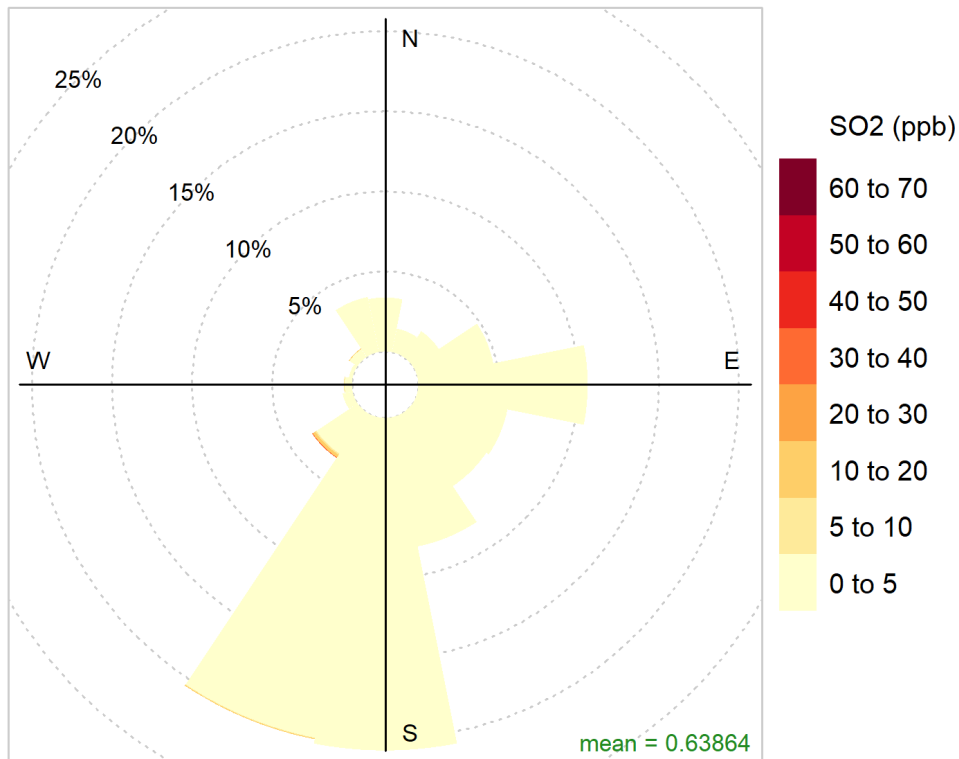
Parameter	Conversion	Unit	Notes
SO2	1 : 2.62	ppb : ug/m3	
PM2.5			
Wind spd			
Temp			

Windrose  
Kitimat Haisla Village - 2022 Q3

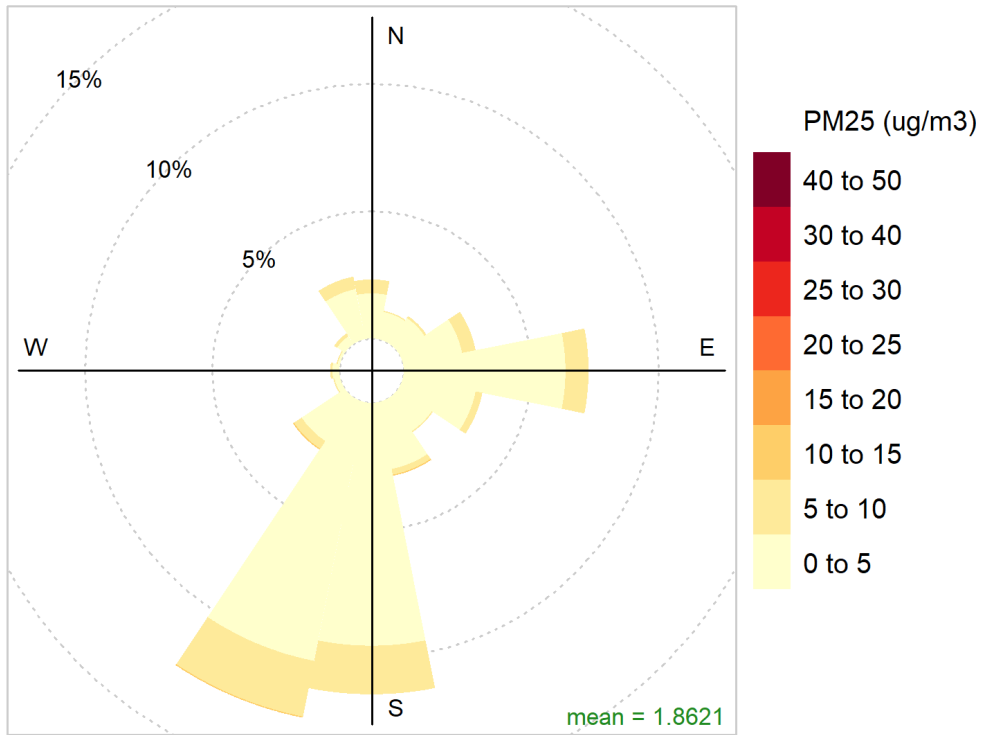


calms = 1.77%

SO2 pollution rose  
Kitimat Haisla Village - 2022 Q3



PM2.5 pollution rose  
Kitimat Haisla Village - 2022 Q3





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Automated Data Summary for

# Kitimat Haul Road 2022 Q3

Provided to the Kitimat Airshed Group by the  
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Generated:  
9 February 2023

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## Kitimat Haul Road

### 2022 Q3

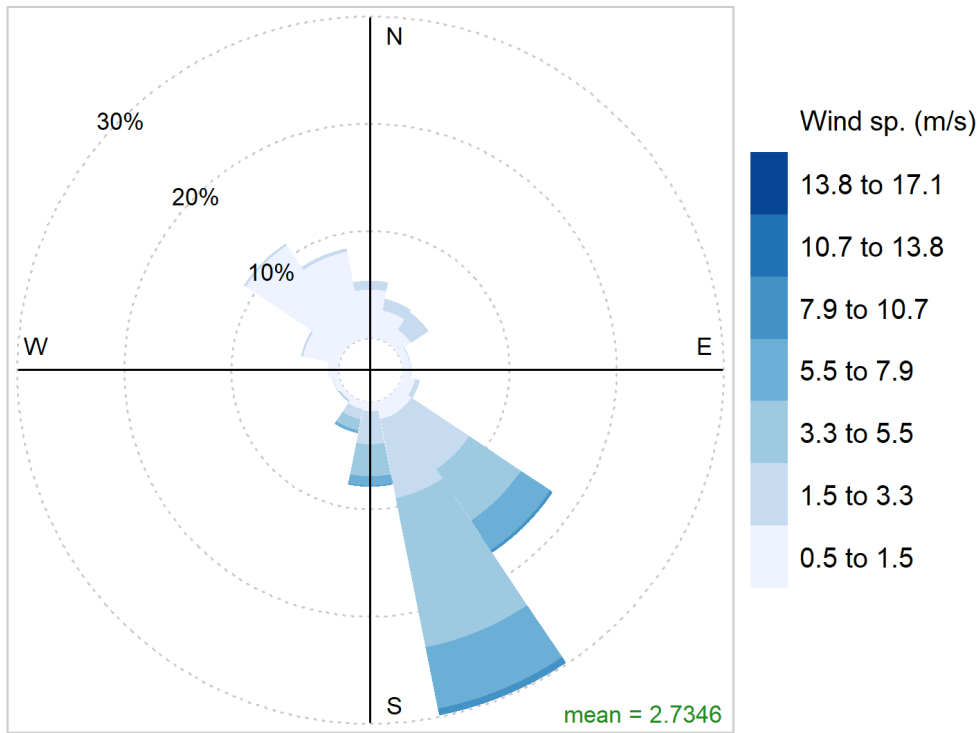
Parameter	Unit	Avg Prd	Obj	Excd	Qtr Avg	Min	Max	Prd of Max	% Comp	Comp
SO2	ppb	1 H	70	0	3.0	-0.3	62.9	2022-09-27 14:00:00	95.2	Y
HF	ppb	1 H	63	0	1.0	0.2	1.5	2022-08-25 08:00:00 2022-08-25 11:00:00 2022-08-25 20:00:00 2022-08-25 21:00:00	83.9	Y
	ppb	24 H			1.0	0.3	1.4	2022-08-25	85.9	Y
	ug/m3	1 H			5.0	0.0	120.0	2022-07-03 16:00:00	92.8	Y
PM2.5	ug/m3	24 H	25	0	5.0	0.7	14.1	2022-07-04	93.5	Y
Wind spd	m/s	1 H			3.0	0.3	9.8	2022-07-04 19:00:00	100.0	Y
Temp	°C	1 H			16.0	5.6	34.3	2022-07-26 17:00:00	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			

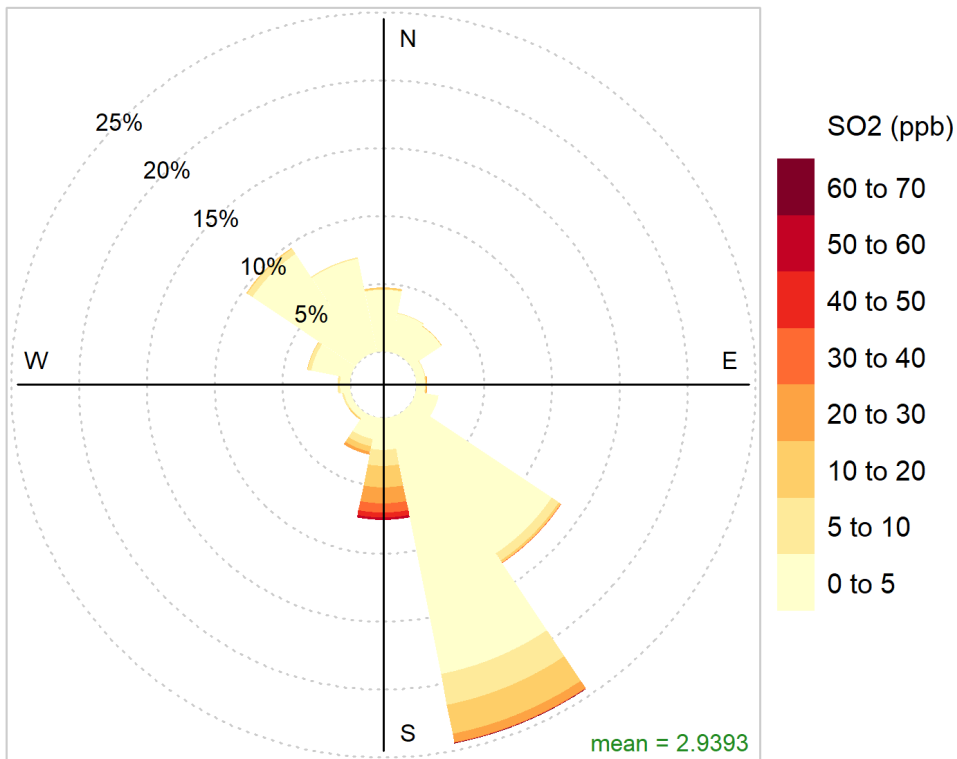


Windrose  
Kitimat Haul Road - 2022 Q3

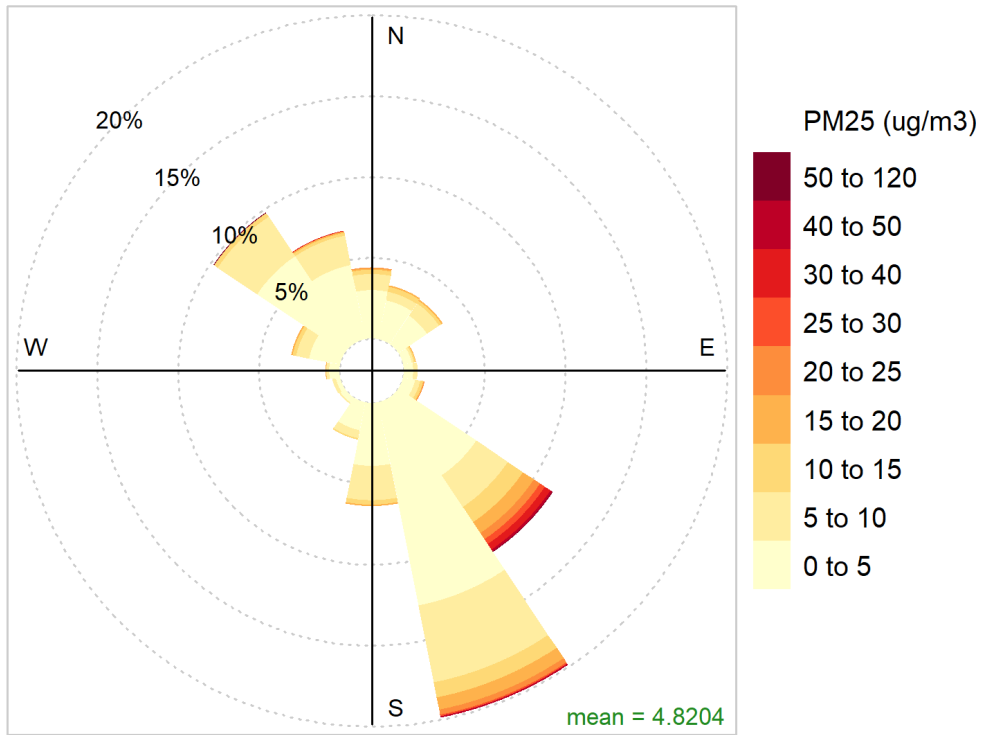


calms = 1.40%

SO2 pollution rose  
Kitimat Haul Road - 2022 Q3



PM2.5 pollution rose  
Kitimat Haul Road - 2022 Q3





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Automated Data Summary for  
**Kitimat Industrial Ave**  
**2022 Q3**

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 Q3

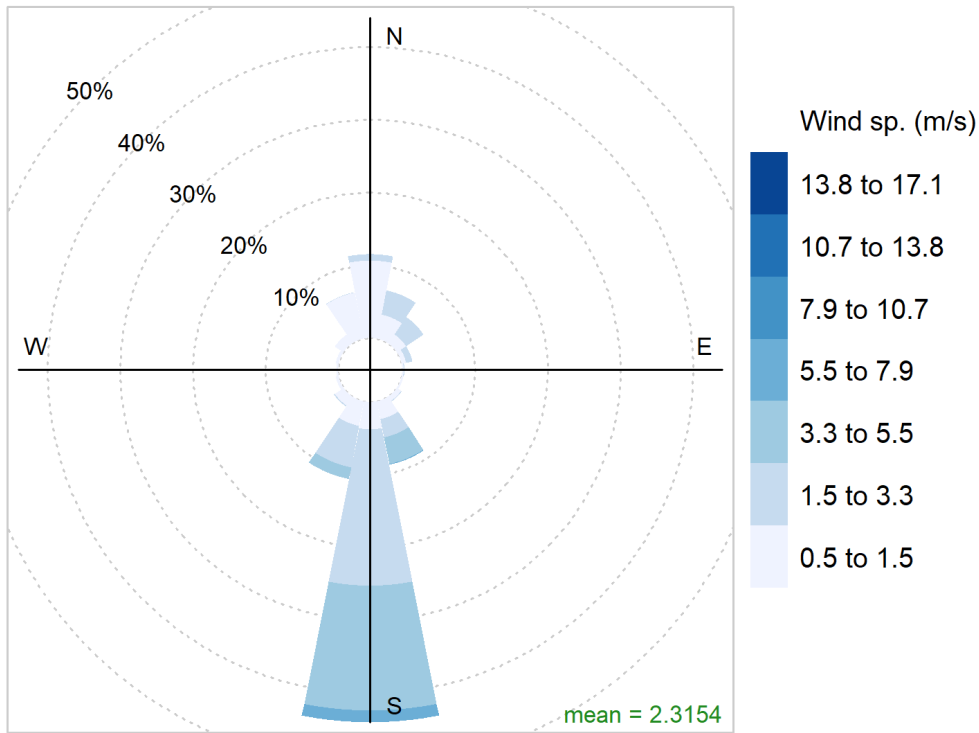
Parameter	Unit	Avg Prd	Obj	Excd	Qtr Avg	Min	Max	Prd of Max	% Comp	Comp
SO2	ppb	1 H	70	0	1.0	0.0	48.5	2022-09-26 14:00:00	95.1	Y
Wind spd	m/s	1 H			2.0	0.0	7.3	2022-07-04 21:00:00	99.8	Y
Temp	°C	1 H			16.0	4.4	35.4	2022-07-26 17:00:00	99.9	Y
Humidity	% RH	1 H			77.0	20.7	96.2	2022-07-14 05:00:00	99.9	Y

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

Comp threshold is 60%

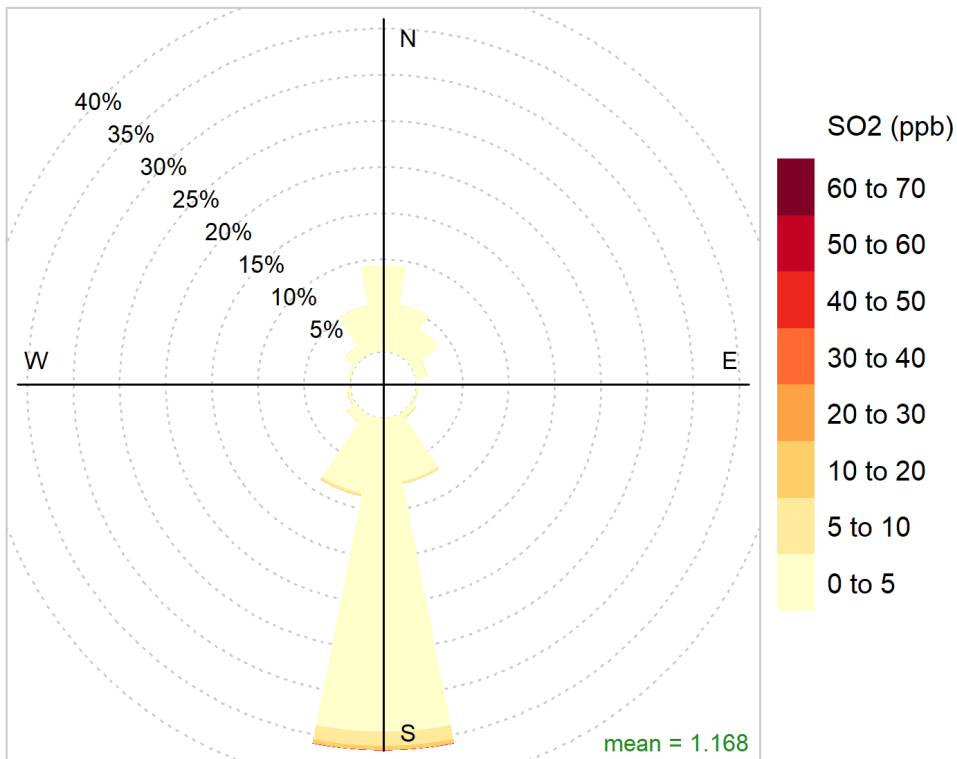
Parameter	Conversion	Unit	Notes
SO2	1 : 2.62	ppb : ug/m3	
Wind spd			
Temp			
Humidity			

Windrose  
 Kitimat Industrial Ave - 2022 Q3



calms = 0.05%

SO2 pollution rose  
 Kitimat Industrial Ave - 2022 Q3





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Automated Data Summary for

# Kitimat Riverlodge 2022 Q3

Provided to the Kitimat Airshed Group by the  
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# Kitimat Riverlodge

## 2022 Q3

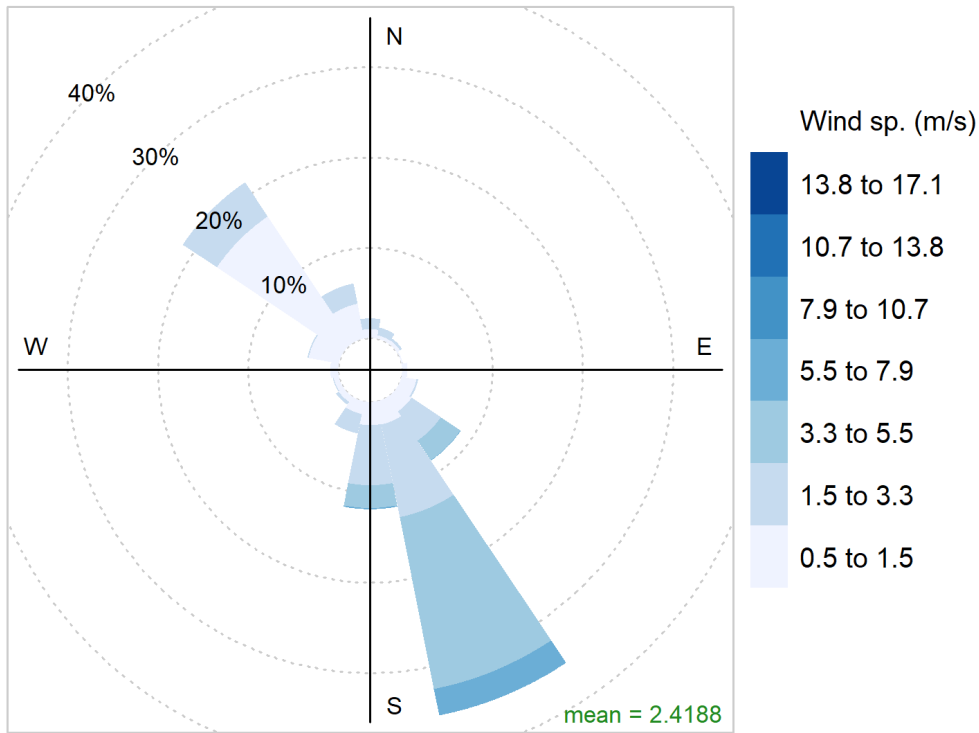
Parameter	Unit	Avg Prd	Obj	Excd	Qtr Avg	Min	Max	Prd of Max	% Comp	Comp
SO2	ppb	1 H	70	0	0.0	0.0	16.4	2022-09-26 14:00:00	95.2	Y
HF	ppb	1 H	63	0	0.0	0.1	0.8	2022-08-17 14:00:00	72.5	Y
	ppb	24 H			0.0	0.1	0.4	More than 5 occurrences (n = 7)	75.0	Y
PM2.5	ug/m3	1 H			3.0	0.0	26.0	2022-08-09 20:00:00	94.5	Y
	ug/m3	24 H	25	0	3.0	0.3	9.4	2022-08-10	94.6	Y
PM10	ug/m3	1 H			11.0	0.0	182.0	2022-08-09 20:00:00	95.0	Y
	ug/m3	24 H	50	0	11.0	0.0	33.4	2022-08-09	94.6	Y
Wind spd	m/s	1 H			2.0	0.2	7.6	2022-07-04 20:00:00	100.0	Y
Temp	°C	1 H			17.0	5.0	34.6	2022-07-26 17:00:00	100.0	Y

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

Comp threshold is 60%

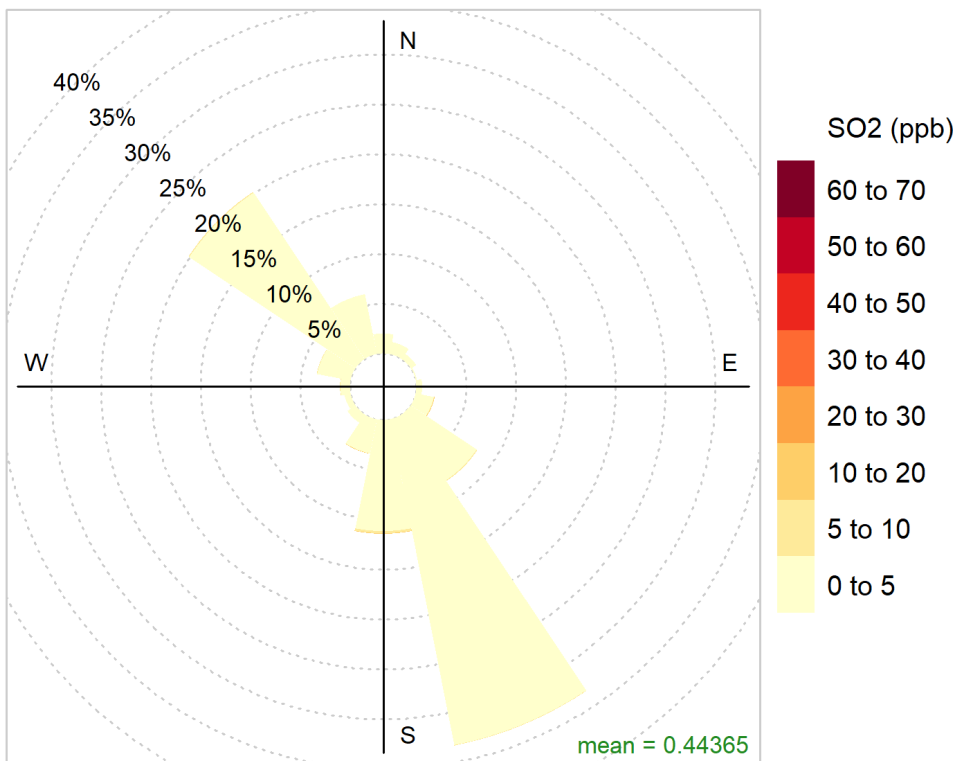
Parameter	Conversion	Unit	Notes
SO2	1 : 2.62	ppb : ug/m3	
HF	1 : 0.82	ppb : ug/m3	
PM2.5			
PM10			
Wind spd			
Temp			

Windrose  
Kitimat Riverlodge - 2022 Q3



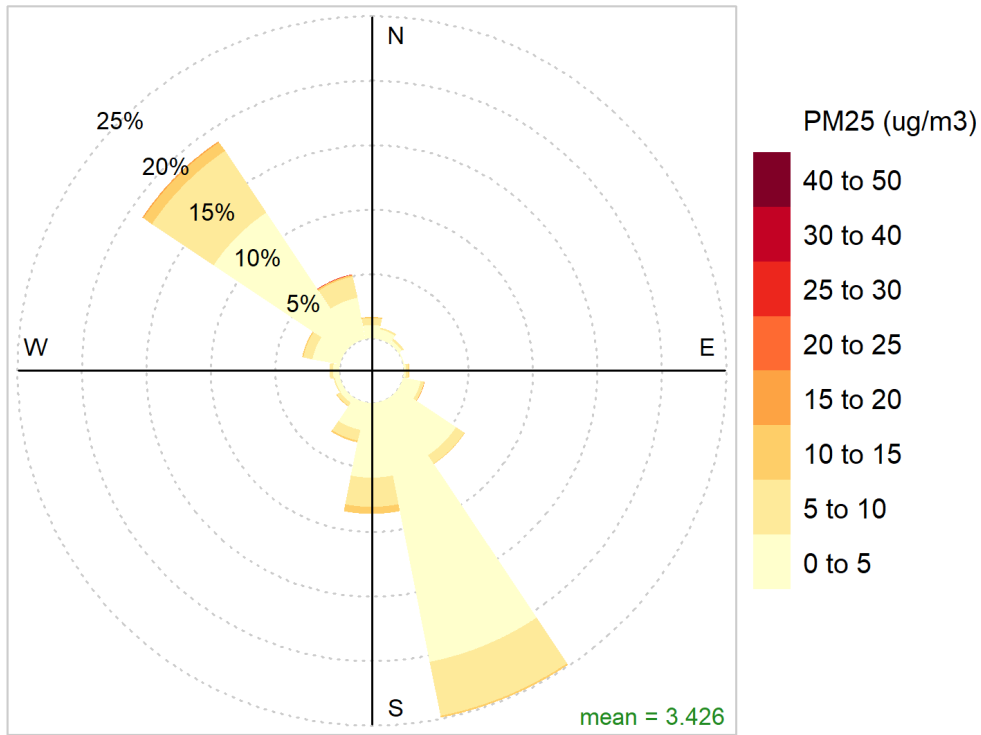
calms = 1.09%

SO2 pollution rose  
Kitimat Riverlodge - 2022 Q3





PM2.5 pollution rose  
Kitimat Riverlodge - 2022 Q3





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Automated Data Summary for

# Kitimat Whitesail 2022 Q3

Provided to the Kitimat Airshed Group by the  
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Generated:  
9 February 2023

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# Kitimat Whitesail

## 2022 Q3

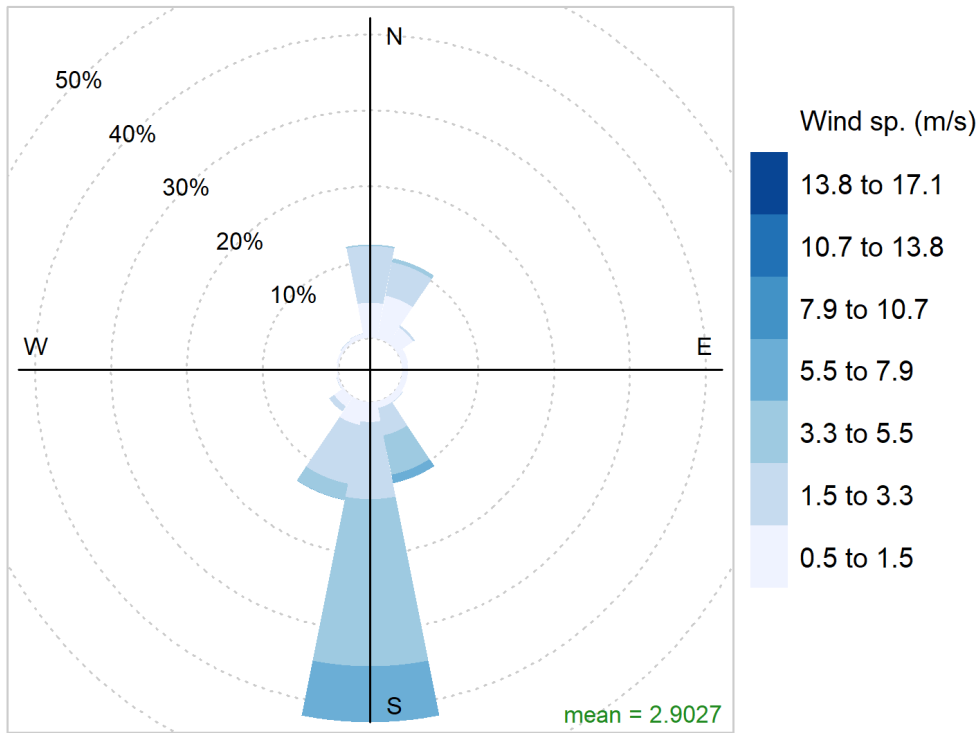
Parameter	Unit	Avg Prd	Obj	Excd	Qtr Avg	Min	Max	Prd of Max	% Comp	Comp
AQHI		1 H			NA	1	2	More than 5 occurrences (n = 81)	93.6	Y
NO2	ppb	1 H	60	0	1.0	-0.3	4.6	2022-09-21 20:00:00	45.6	N
SO2	ppb	1 H	70	0	0.0	0.1	11.5	2022-09-27 11:00:00	91.8	Y
O3	ppb	1 H	82	0	13.0	-0.8	39.3	2022-09-03 23:00:00	93.3	Y
PM2.5	ug/m3	1 H			4.0	0.0	18.0	2022-09-18 20:00:00	93.4	Y
	ug/m3	24 H	25	0	4.0	0.3	8.7	2022-08-09	92.4	Y
Wind spd	m/s	1 H			3.0	0.0	7.8	2022-07-04 19:00:00	100.0	Y
Temp	°C	1 H			16.0	5.1	33.5	2022-07-26 18:00:00	100.0	Y
Humidity	% RH	1 H			79.0	28.3	98.0	2022-09-18 11:00:00	100.0	Y

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

Comp threshold is 60%

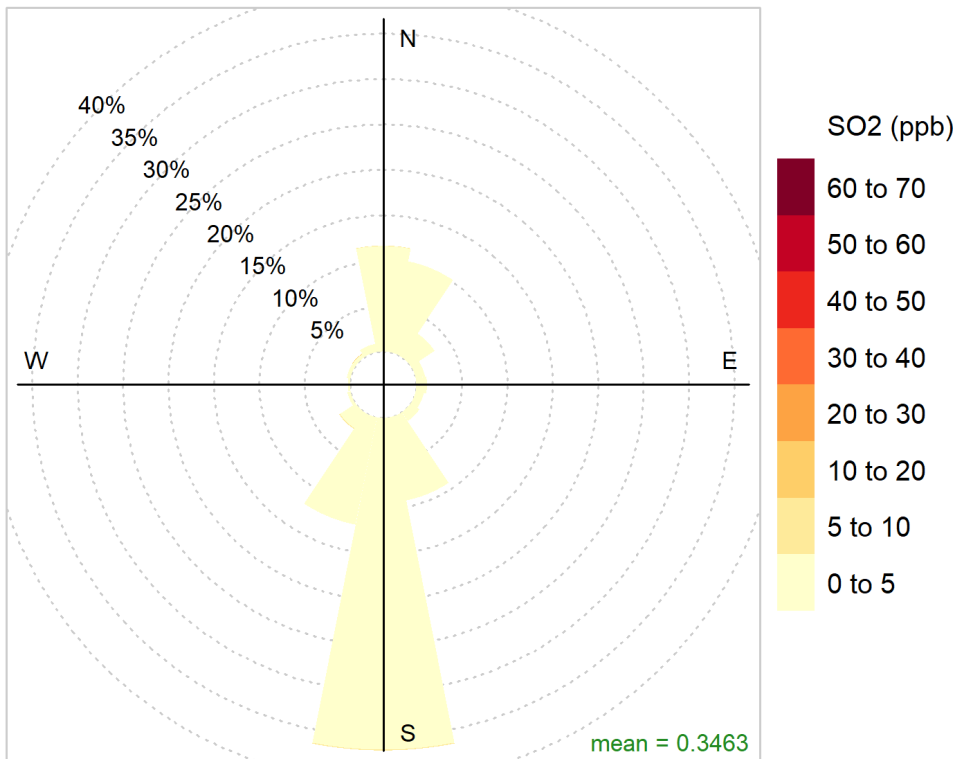
Parameter	Conversion	Unit	Notes
AQHI			
NO2	1 : 1.88	ppb : ug/m3	
SO2	1 : 2.62	ppb : ug/m3	
O3	1 : 1.96	ppb : ug/m3	
PM2.5			
Wind spd			
Temp			
Humidity			

Windrose  
Kitimat Whitesail - 2022 Q3

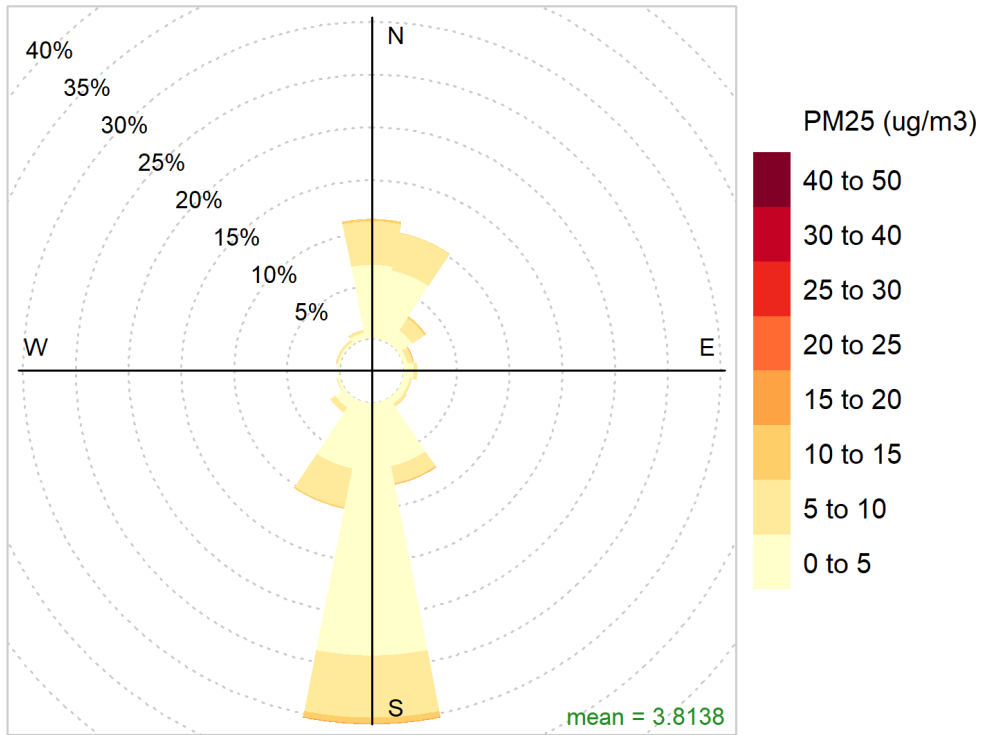


calms = 3.94%

SO2 pollution rose  
Kitimat Whitesail - 2022 Q3



PM2.5 pollution rose  
Kitimat Whitesail - 2022 Q3





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Automated Data Summary for

# Kitimat Yacht Club 2022 Q3

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Generated:  
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# Kitimat Yacht Club

## 2022 Q3

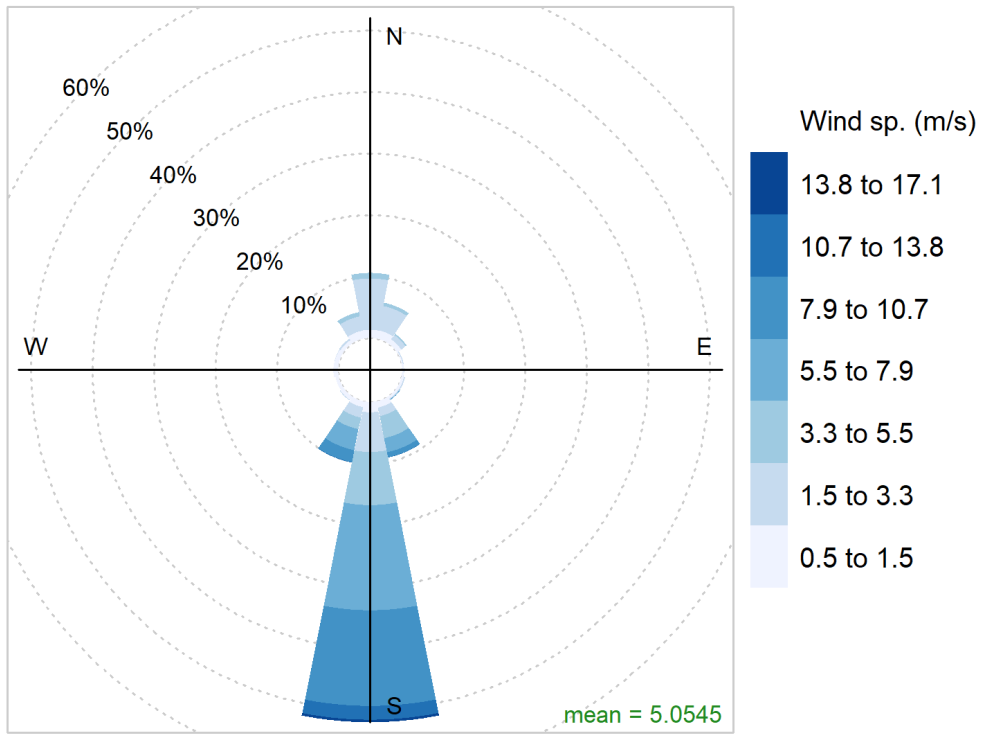
Parameter	Unit	Avg Prd	Obj	Excd	Qtr Avg	Min	Max	Prd of Max	% Comp	Comp
Wind spd	m/s	1 H			5.0	0.2	16.0	2022-07-04 19:00:00	100.0	Y
Temp	°C	1 H			16.0	6.8	32.9	2022-07-26 15:00:00	100.0	Y

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 Q3



calms = 0.68%





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Automated Data Summary for  
**Terrace Skeena Middle School**  
**2022 Q3**

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Generated:  
9 February 2023

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## Terrace Skeena Middle School

### 2022 Q3

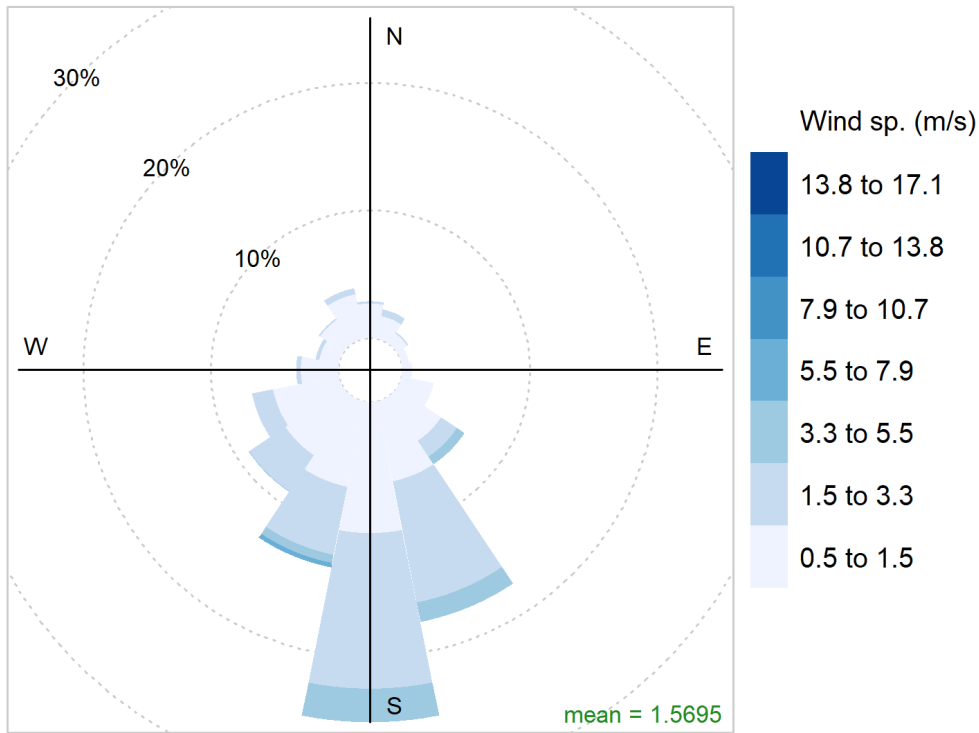
Parameter	Unit	Avg Prd	Obj	Excd	Qtr Avg	Min	Max	Prd of Max	% Comp	Comp
AQHI		1 H			NA	1	5	2022-09-09 21:00:00	99.8	Y
NO2	ppb	1 H	60	0	-0.0	-1.7	10.3	2022-09-21 20:00:00	95.8	Y
SO2	ppb	1 H	70	0	1.0	0.7	2.8	2022-08-04 06:00:00	95.8	Y
O3	ppb	1 H	82	0	13.0	-1.2	38.9	2022-07-04 17:00:00	88.4	Y
PM2.5	ug/m3	1 H			5.0	0.0	47.9	2022-09-09 21:00:00	99.8	Y
	ug/m3	24 H	25	0	5.0	0.6	13.4	2022-08-09	100.0	Y
Wind spd	m/s	1 H			1.0	0.0	6.3	2022-08-07 16:00:00	100.0	Y
Temp	°C	1 H			18.0	5.7	33.2	2022-07-28 17:00:00	100.0	Y
Humidity	% RH	1 H			71.0	18.3	98.6	2022-09-28 06:00:00 2022-09-28 07:00:00	100.0	Y

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

Comp threshold is 60%

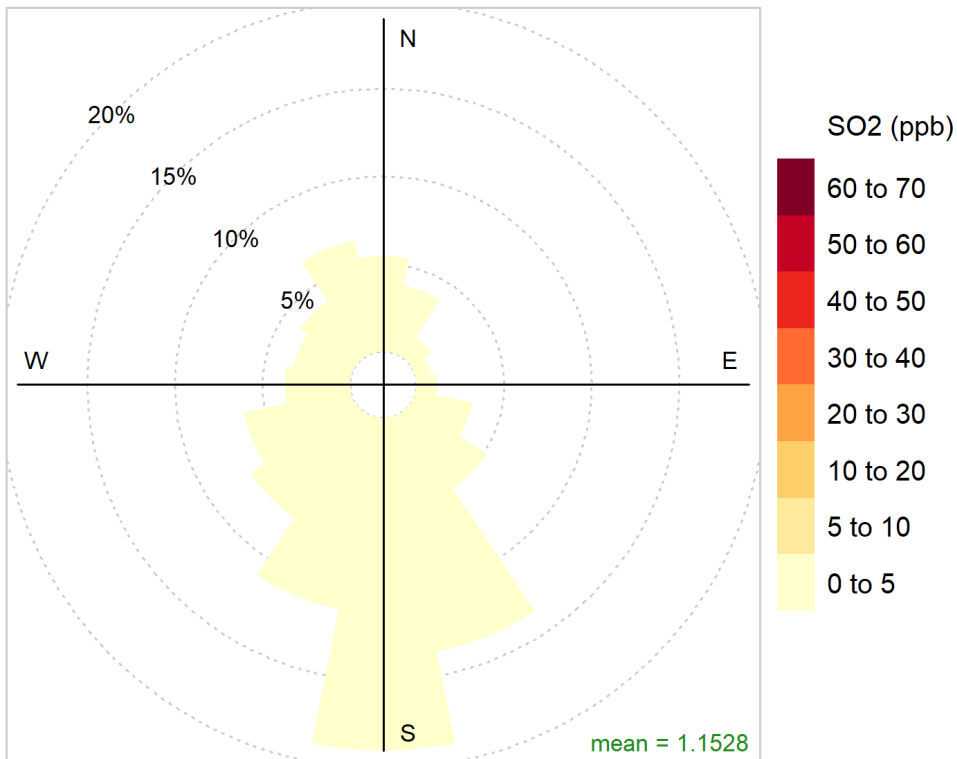
Parameter	Conversion	Unit	Notes
AQHI			
NO2	1 : 1.88	ppb : ug/m3	
SO2	1 : 2.62	ppb : ug/m3	
O3	1 : 1.96	ppb : ug/m3	
PM2.5			
Wind spd			
Temp			
Humidity			

Windrose  
Terrace Skeena Middle School - 2022 Q3



calms = 23.01%

SO2 pollution rose  
Terrace Skeena Middle School - 2022 Q3



PM2.5 pollution rose  
Terrace Skeena Middle School - 2022 Q3

