







# New coastal Labrador climate and weather monitoring program

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Special thanks to the communities of Black Tickle, Postville, Natuashish, North West River, Red Bay and Rigolet

## **COASTAL LABRADOR CLIMATE AND WEATHER MONITORING PROGRAM**



## Coastal Labrador climate and weather monitoring program

### Sensors include:

- Air temperature;
- relative humidity;
- barometric pressure;
- snow depth;
- soil moisture (15 cm);
- soil temperature (15 cm);
- wind speed (7.5 m);
- wind direction (7.5 m);
- incoming solar radiation;
- precipitation;





## Coastal Labrador Climate and Weather Monitoring Project







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### Rigolet station - Est. 2019-07-18

### The 'after' picture

Dual 12V batteries means it can operate continuously for three months without any solar power coming in on the solar panel















#### https://www.labradorgeolab.ca/weather

## **NL Gov Station Website**



**Municipal Affairs and Environment** 

#### List of Near-Real Time Weather Stations

The stations are owned and operated by the Northern Environmental Geoscience Laboratory at Queen's University but are operated in partnership with the Nunatsiavut Government, the NunatuKavut Community Council, the Government of Newfoundland and Labrador and the Government of Canada.

Due to the volume and frequent updating of the data available on this Web site the weather data is PROVISIONAL and has not undergone quality control checks. These data may be subject to significant change.

Note: The date/times shown on the graphs are NST. There is no adjustment made for Daylight Savings Time.

#### Graphs are updated daily every hour

Labrador Weather Stations		
Station Name	ADRS	
Postville (Weather Station)	<u>NLQU0001</u>	
Rigolet (Weather Station)	NLQU0002	
Black Tickle (Weather Station)	NLQU0003	
Cartwright Junction (Weather Station)	NLQU0004	
Red Bay (Weather Station)	NLQU0005	
Natuashish (Weather Station)	<u>NLQU0006</u>	
North West River	NLQU0007	

# Weather station website for Postville (on left) & wind graphics (on right)



#### **Municipal Affairs and Environment**

Near-Real Time Data

Due to the volume and frequent updating of the data available on this Web site the streamflow and water quality data is PROVISIONAL and has not undergone quality control checks. These data may be subject to significant change.

Observed at: NLQU0001 - Postville (Weather Station)	Date: Tuesday, September 10 8:22 PM NST
Temperature: 7.6 °C	Relative Humidity: 86.0 %
Wind: W 2.3 km/h Gust 14.8 km/h	Last Hourly Precipitation: 0.0 mm
Barometric Pressure (BP): 101.2 kPa	BP Tendency: No Change







## Wind speeds recorded to date

Station	Max sustained (km/h)	Max gust (km/h)
Black Tickle	92	126
Cartwright Junctior	42	93
North West River	61	101
Postville	56	99
Red Bay	89	132
Rigolet*	64	107

### Rigolet station - Est. 2019-07-18

### The 'after' picture







## Acknowledgements









Association of Canadian Universities for Northern Studies





Government of Canada

Gouvernement du Canada











## **Coastal Labrador Climate and Weather Monitoring Program**



### Find your local weather info online at:

www.labradorgeolab.ca/weather



### Have questions?

For more information please contact: Dr. Robert Way (robert.way@queensu.ca) / Robert Way (facebook) www.labradorgeolab.ca Northern Environmental Geoscience Laboratory Queen's University



# **Questions?**