

## POWERBI DATA ANALYSIS FOR MOORED BUOY AD07 & BD07

### AD07 DATA ANALYSIS 22-23

2022

2023

Qtr 1

Qtr 2

Qtr 3

Qtr 4

#### Air Temp by Month



#### Total Readings

14.18K

#### Average Air Temp.

35.52

#### Average thmax

9.22

#### Average Wind Gust

7.21

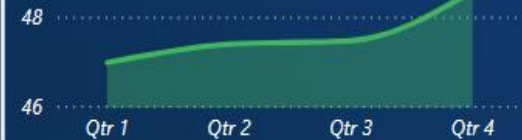
#### Average Wind Speed

4.49

#### Average Ho

1.77

#### Quarterly Pressure Variations



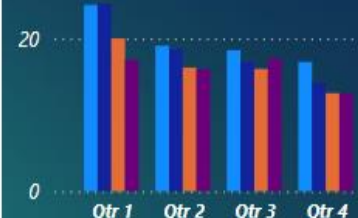
#### Average of hm0 & hmax



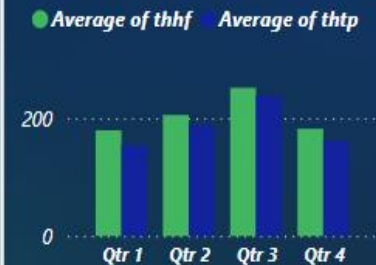
#### Average of Relative Humidity by Month



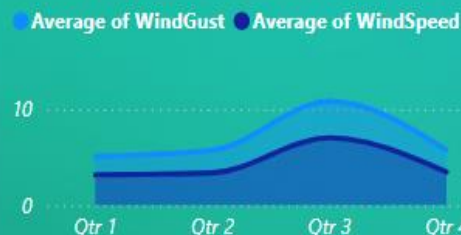
#### Quarterly Current Speed



#### Average of thhf & thtp



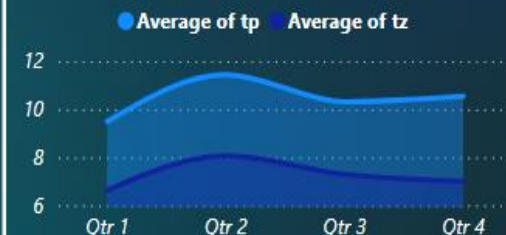
#### WindGust & WindSpeed



#### Monthly Temperature Variations



#### Average of tp & tz



### Air Temp by Month



## ADO7 DATA ANALYSIS 22-23

### Total Readings

7049

### Average Air Temp.

34.91

### Average thmax

9.05

### Average Wind Gust

8.17

### Average Wind Speed

4.89

### Average Ho

1.83

2022

2023

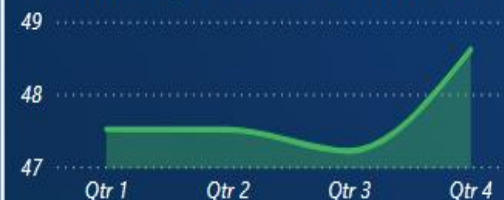
Qtr 1

Qtr 2

Qtr 3

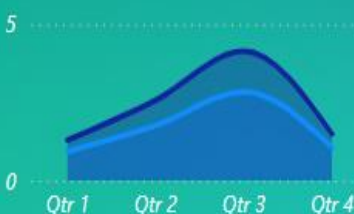
Qtr 4

### Quarterly Pressure Variations



### Average of hm0 & hmax

● Average of hm0 ● Average of hmax



### Average of Relative Humidity by Month

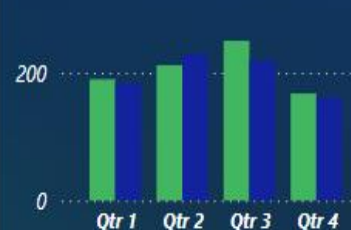


### Quarterly Current Speed



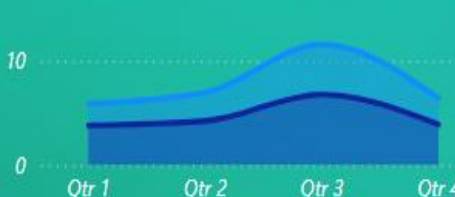
### Average of thhf & thtp

● Average of thhf ● Average of thtp

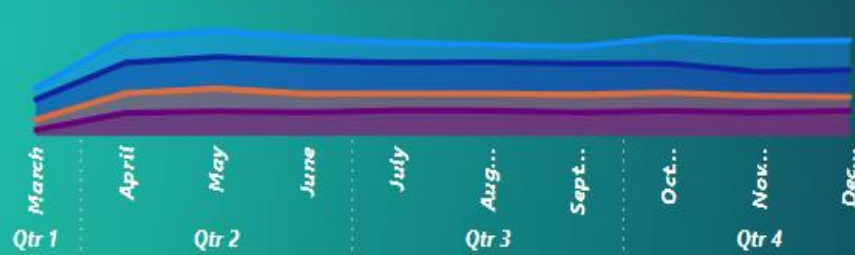


### WindGust & WindSpeed

● Average of WindGust ● Average of WindSpeed

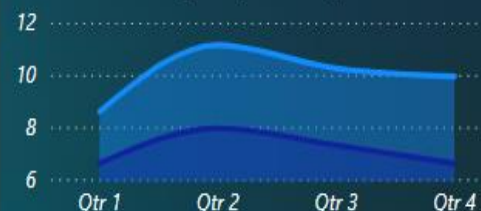


### Monthly Temperature Variations



### Average of tp & tz

● Average of tp ● Average of tz





# ADO7 DATA ANALYSIS 22-23

2022

2023

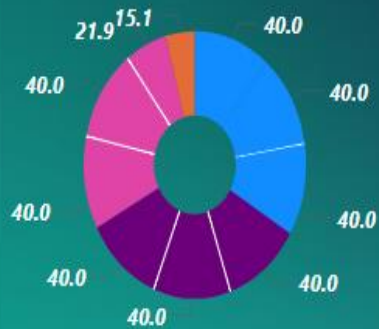
Qtr 1

Qtr 2

Qtr 3

Qtr 4

## Air Temp by Month



## Total Readings

7129

## Average Air Temp.

36.13

## Average thmax

9.38

## Average Wind Gust

6.25

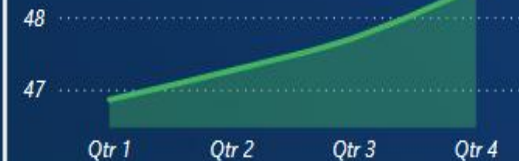
## Average Wind Speed

4.10

## Average Ho

1.72

## Quarterly Pressure Variations



## Average of hm0 & hmax



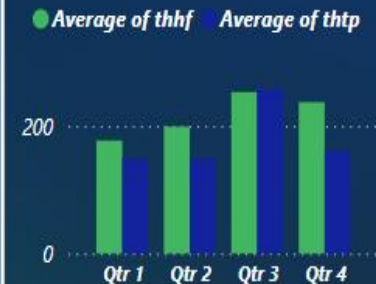
## Average of Relative Humidity by Month



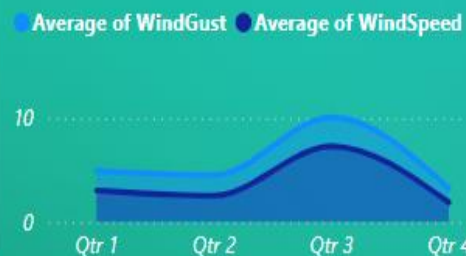
## Quarterly Current Speed



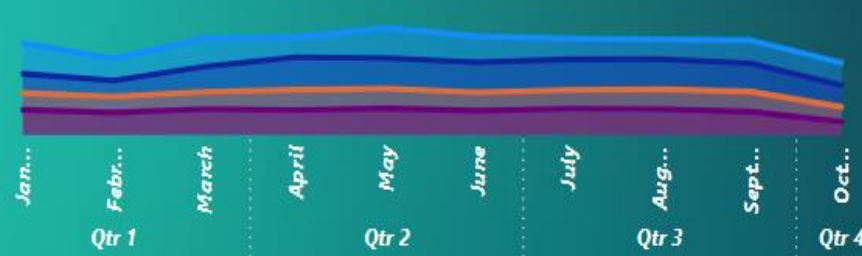
## Average of thhf & thtp



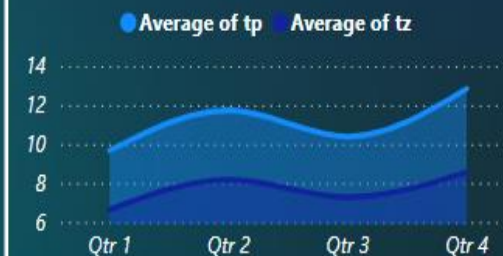
## WindGust & WindSpeed



## Monthly Temperature Variations



## Average of tp & tz



# AD07 DATA ANALYSIS (2019-20)

2019

2020

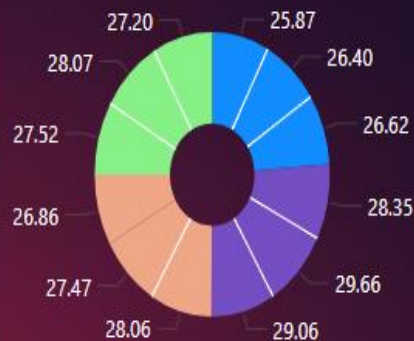
Qtr 1

Qtr 2

Qtr 3

Qtr 4

Air\_Temp by Month



Total Readings

8688

Average Air Temp.

27.59

Average thmax

9.20

Average Wind Gust

8.09

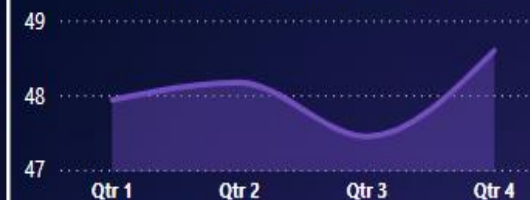
Average Wind Speed

5.70

Average Ho

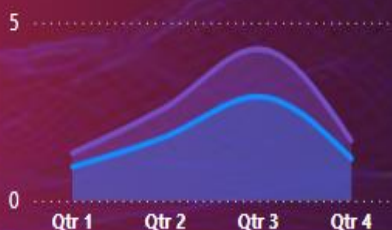
1.72

Quarterly Pressure Variations

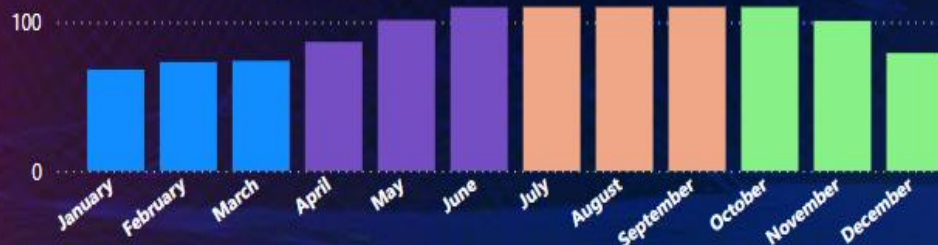


Average hm0 & hmax

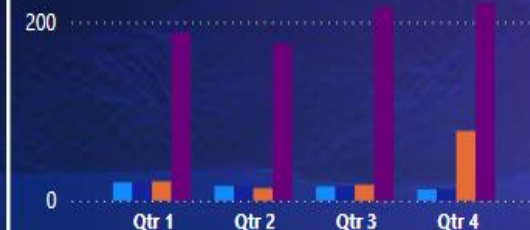
● Average of hm0 ● Average of hmax



Average Relative Humidity by Month

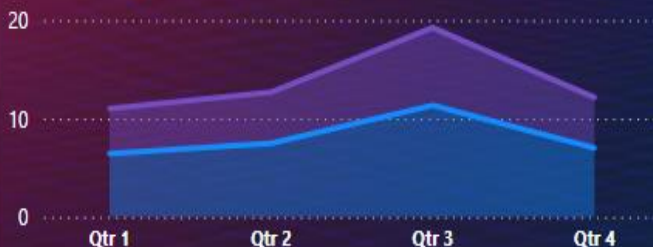


Quarterly Current Speed

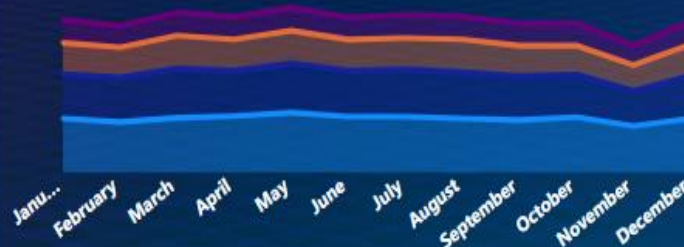


Average of Wind Gust & Wind Speed

● Average of WindGust ● Average of WindSpeed

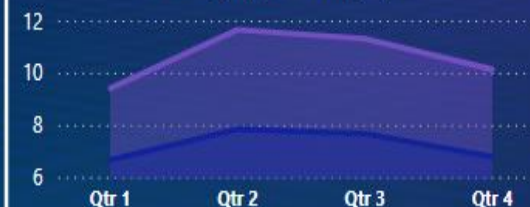


Monthly Temperature Variations



Average of tp and Average of tz by Quarter

● Average of tp ● Average of tz





# AD07 DATA ANALYSIS (2019-20)

2019

2020

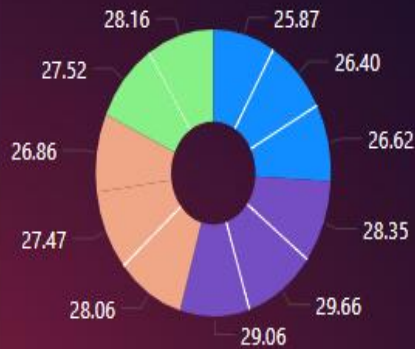
Qtr 1

Qtr 2

Qtr 3

Qtr 4

Air\_Temp by Month



Total Readings  
7734

Average Air Temp.  
27.62

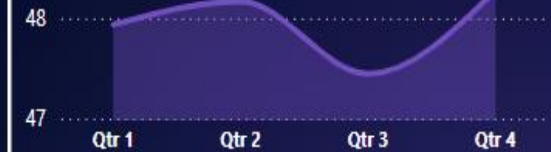
Average thmax  
9.42

Average Wind Gust  
8.16

Average Wind Speed  
5.70

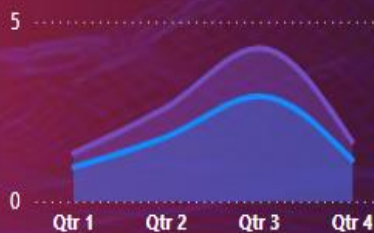
Average Ho  
1.78

Quarterly Pressure Variations

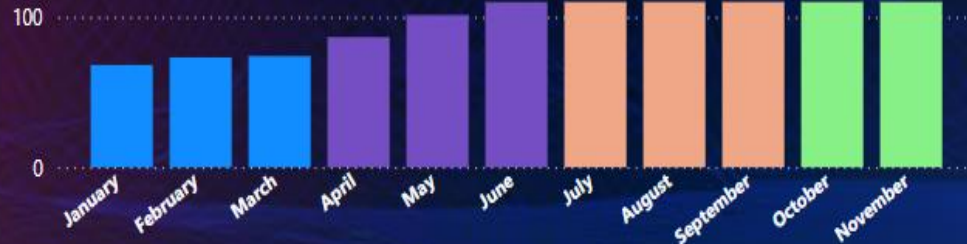


Average hm0 & hmax

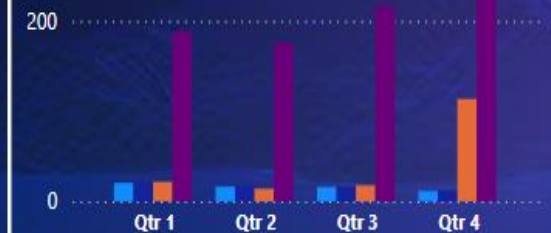
● Average of hm0 ● Average of hmax



Average Relative Humidity by Month

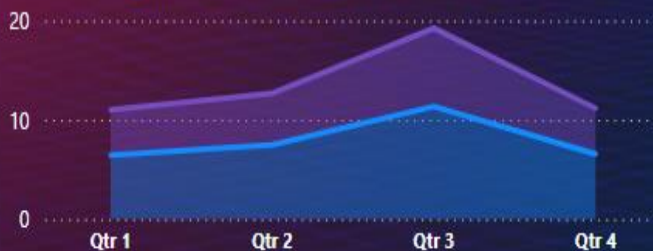


Quarterly Current Speed

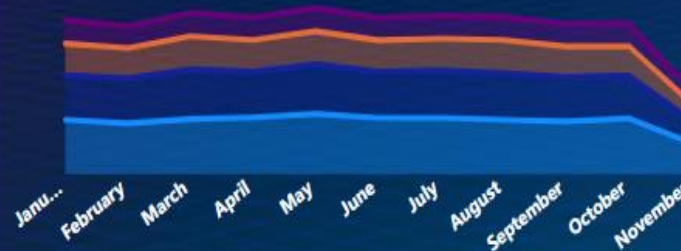


Average of Wind Gust & Wind Speed

● Average of WindGust ● Average of WindSpeed

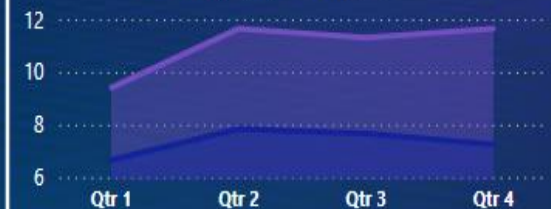


Monthly Temperature Variations



Average of tp and Average of tz by Quarter

● Average of tp ● Average of tz



Air\_Temp by Month



## AD07 DATA ANALYSIS (2019-20)

2019

2020

Qtr 1

Qtr 2

Qtr 3

Qtr 4

Total Readings

954

Average Air Temp.

27.35

Average thmax

7.44

Average Wind Gust

7.56

Average Wind Speed

5.77

Average Ho

1.23

Quarterly Pressure Variations

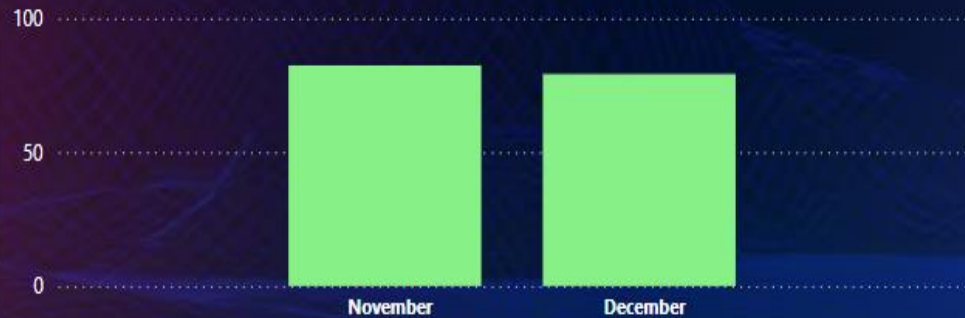


Average hm0 & hmax

● Average of hm0 ● Average of hmax



Average Relative Humidity by Month



Quarterly Current Speed



Average of Wind Gust & Wind Speed

● Average of WindGust ● Average of WindSpeed



Monthly Temperature Variations



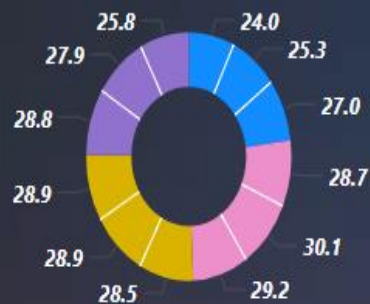
Average of tp and Average of tz by Quarter





# BD07 DATA ANALYSIS

Quarterly Average Air Temp



Total Readings

9620

Avg. Wind Speed

4.82

Avg. Wind Gust

6.74

Avg. Air Temp.

27.61

Avg. Rel. Humidity

77.22

Avg. Hmax

2.12

Yearly Data

2017

2018

Quarterly Data

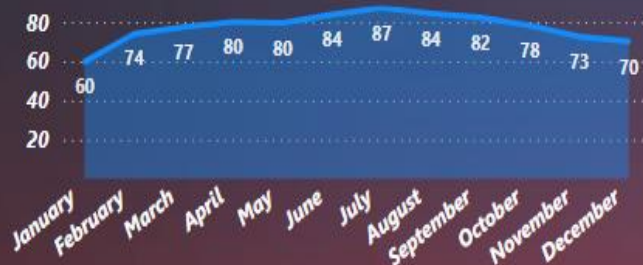
Qtr 1

Qtr 2

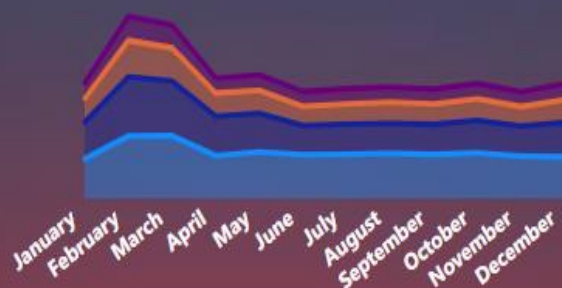
Qtr 3

Qtr 4

Average Relative Humidity by Month



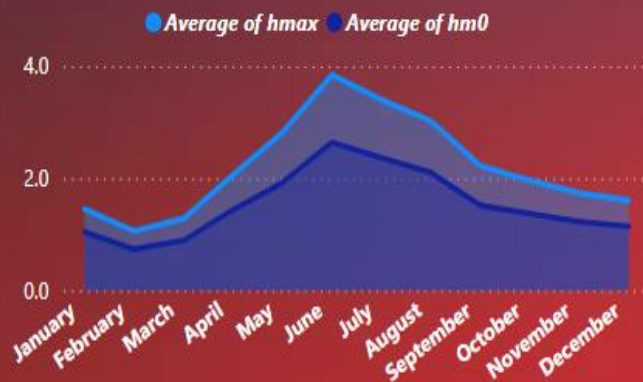
Monthly Temperature Variations



Quarterly Pressure (500m) Variations



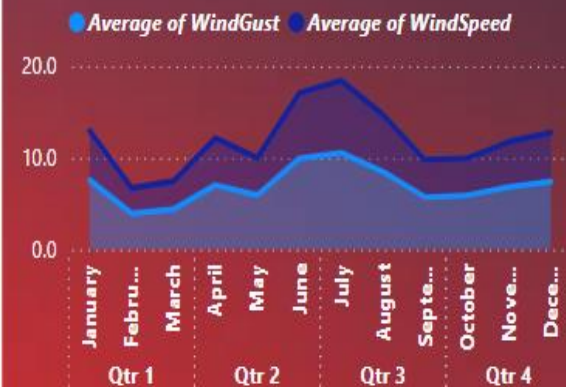
hmax & hm0 Variations



Quarterly Current Speed

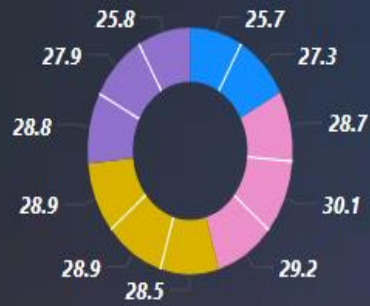


Wind Gust & Wind speed Variations



# BD07 DATA ANALYSIS

Quarterly Average Air Temp



Total Readings

7841

Avg. Wind Speed

5.04

Avg. Wind Gust

7.04

Avg. Air Temp.

28.23

Avg. Rel. Humidity

79.11

Avg. Hmax

2.32

Yearly Data

2017

2018

Quarterly Data

Qtr 1

Qtr 2

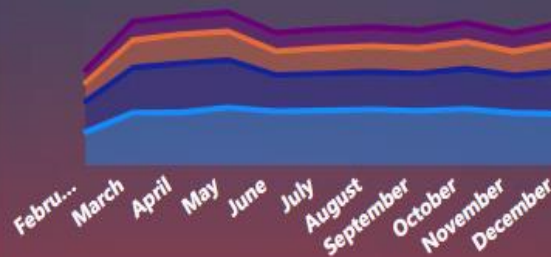
Qtr 3

Qtr 4

Average Relative Humidity by Month



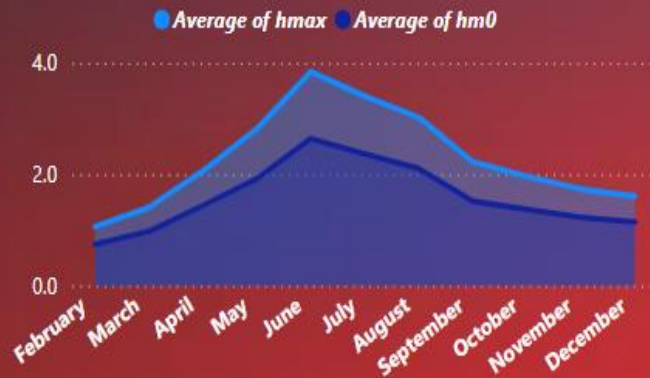
Monthly Temperature Variations



Quarterly Pressure (500m) Variations



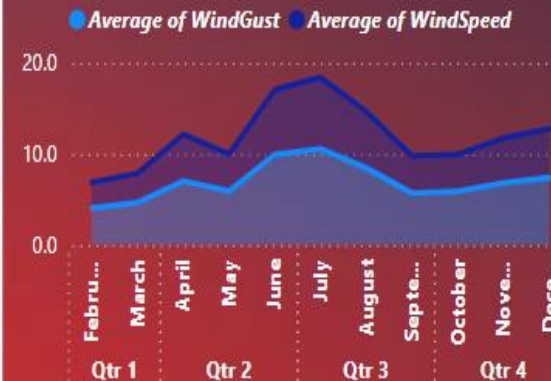
hmax & hm0 Variations



Quarterly Current Speed

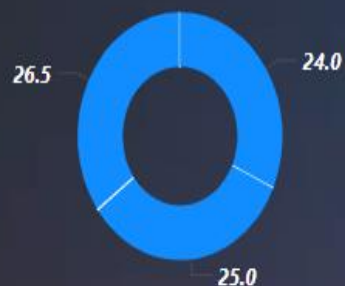


Wind Gust & Wind speed Variations





Quarterly Average Air Temp



## BD07 DATA ANALYSIS

Total Readings

1779

Avg. Wind Speed

3.85

Avg. Wind Gust

5.41

Avg. Air Temp.

24.89

Avg. Rel. Humidity

68.91

Avg. Hmax

1.22

Yearly Data

2017

2018

Quarterly Data

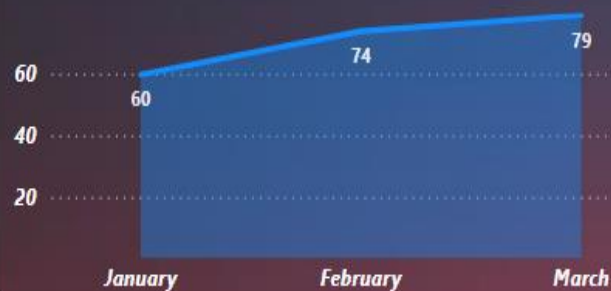
Qtr 1

Qtr 2

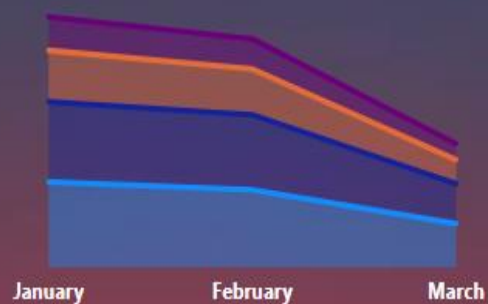
Qtr 3

Qtr 4

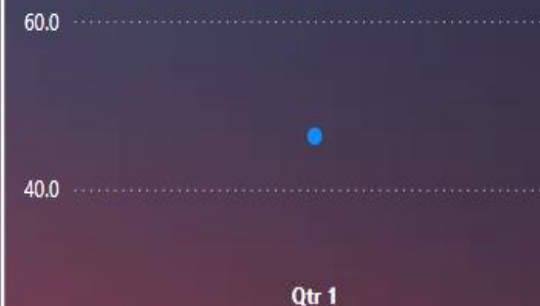
Average Relative Humidity by Month



Monthly Temperature Variations

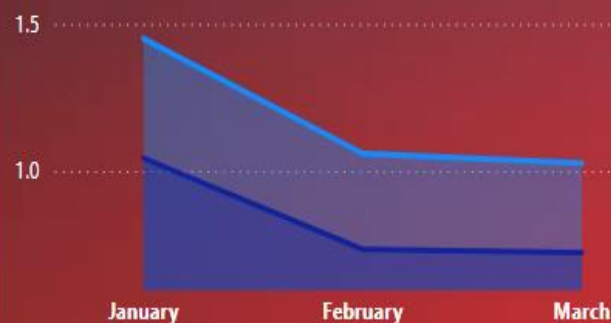


Quarterly Pressure (500m) Variations



hmax & hm0 Variations

● Average of hmax ● Average of hm0



Quarterly Current Speed



Wind Gust & Wind speed Variations

● Average of WindGust ● Average of WindSpeed

