



# **WEATHER FORECAST FOR BN**

**20 - 23 JAN 2020**





# WEATHERFORECAST – DHAKA

## 20.01.2020

Hourly	2 PM	4 PM	8 PM	11 PM
Temp. / Dew Point	23 / 14	23 / 14	19 / 13	16 / 13
Wind	15 km/h WNW	15 km/h WNW	5 km/h WNW	5 km/h NW
Humidity	58%	57%	69%	79%
Chance of Precip	1%	1%	3%	4%
Cloud Cover	23%	16%	4%	2%
Conditions	Sunny	Sunny	Clear	Clear
Sunrise Sunset	6: 43 AM 5: 36 PM			

### Conditions

Pressure : 1015 hpa

Visibility : 3.22 km

Ref: <https://www.wunderground.com/weather/bd/dhaka>





# WEATHER FORECAST – CHATTOGRAM

## 20.01.2020

Hourly	2 PM	4 PM	8 PM	11 PM
Temp. / Dew Point	24 / 16	24 / 16	21 / 17	20 / 17
Wind	9 km/h NW	11 km/h WNW	8 km/h NW	10 km/h NNW
Humidity	60%	67%	75%	82%
Chance of Precip.	1%	1%	3%	5%
Cloud Cover	25%	4%	2%	1%
Conditions	Sunny	Sunny	Clear	Clear
Sunrise Sunset	6: 35 AM 5: 33 PM			

### Conditions

Pressure : 1014 hpa

Visibility : 3.22 Km

Ref: <https://www.wunderground.com/weather/bd/chittagong>



# WEATHER FORECAST – KHULNA

## 20.01.2020

Hourly	2 PM	4 PM	8 PM	11 PM
Temp. / Dew Point	24 / 15	24 / 15	20 / 14	18 / 14
Wind	12 km/h NW	11 km/h NW	5 km/h NNW	4 km/h NNW
Humidity	59%	57%	72%	81%
Chance of Precip.	1%	1%	2%	4%
Cloud Cover	13%	23%	5%	3%
Conditions	Sunny	Sunny	Clear	Clear
Sunrise Sunset	6: 45 AM 5: 43 PM			

### Conditions

Pressure : 1016 hpa

Visibility : 14.48 Km

Ref: <https://www.wunderground.com/weather/bd/khulna>





# GENERAL WEATHER FORECAST – DHAKA

Description	21 Jan 2020	22 Jan 2020	23 Jan 2020
<b>Temperature (C)</b>	24°C/ 12°C	24°C/ 14°C	24°C/ 14°C
<b>Summary</b>	Sunny	Sunny	Sunny
<b>Sun Rise/Set</b>	6h42m54s/17h36m42s	6h42m42s/17h37m24s	6h42m24s/17h38m06s
<b>Day Length</b>	10h53m48s	10h54m42s	10h55m42s
<b>Moon Rise/ Set</b>	3:23AM 2:29PM	4:22AM 3:21PM	5:19AM 4:14PM
<b>Moon Phase/ illu</b>	Waning Crescent, 11%	Waning Crescent, 5%	Waning Crescent, 1%
<b>Nautical Twilight</b>	0550,1828	0550,1829	0550,1829
<b>Civil Twilight</b>	0618,1800	0618,1801	0618,1802
<b>Humidity</b>	D : 64%    N : 79%	D : 64%    N : 77%	D : 67%    N : 79%
<b>Barometer (mb)</b>	1017	1018	1015
<b>Visibility</b>	Good	Good	Good
<b>Precip Chance</b>	10%	10%	10%
<b>Wind (mph)</b>	9 km/h NW	9 km/h NW	10 km/h WSW

Ref: <https://weather.com/weather/5day//BGXX0003:1:BG>



# GENERAL WEATHER FORECAST– CHATTOGRAM

Description	21 Jan 2020	22 Jan 2020	23 Jan 2020
<b>Temperature (C)</b>	25°C/ 13°C	25°C/ 14°C	26°C/ 15°C
<b>Summary</b>	Sunny	Sunny	Sunny
<b>Sun Rise/Set</b>	6h34m36s/17h33m36s	6h34m24s/17h34m18s	6h34m06s/17h34m54s
<b>Day Length</b>	10h59m00s	10h59m54s	11h00m48s
<b>Moon Rise/ Set</b>	3:15AM 2:26PM	4:13AM 3:18PM	5:09AM 4:11PM
<b>Moon Phase/ illu</b>	Waning Crescent, 11%	Waning Crescent, 5%	Waning Crescent, 1%
<b>Nautical Twilight</b>	0543, 1824	0543, 1825	0543, 1825
<b>Civil Twilight</b>	0610.,1757	0610.,1757	0610.,1758
<b>Humidity</b>	D : 62% N : 74%	D : 60% N : 76%	D : 61% N : 83%
<b>Barometer (mb)</b>	1017	1018	1016
<b>Visibility</b>	Good	Good	Good
<b>Precip Chance</b>	10%	1%	1%
<b>Wind (mph)</b>	12 km/h NNW	12 km/h NNW	10 km/h NNW

Ref: <https://weather.com/weather/5day//BGXX0002:1:BG>





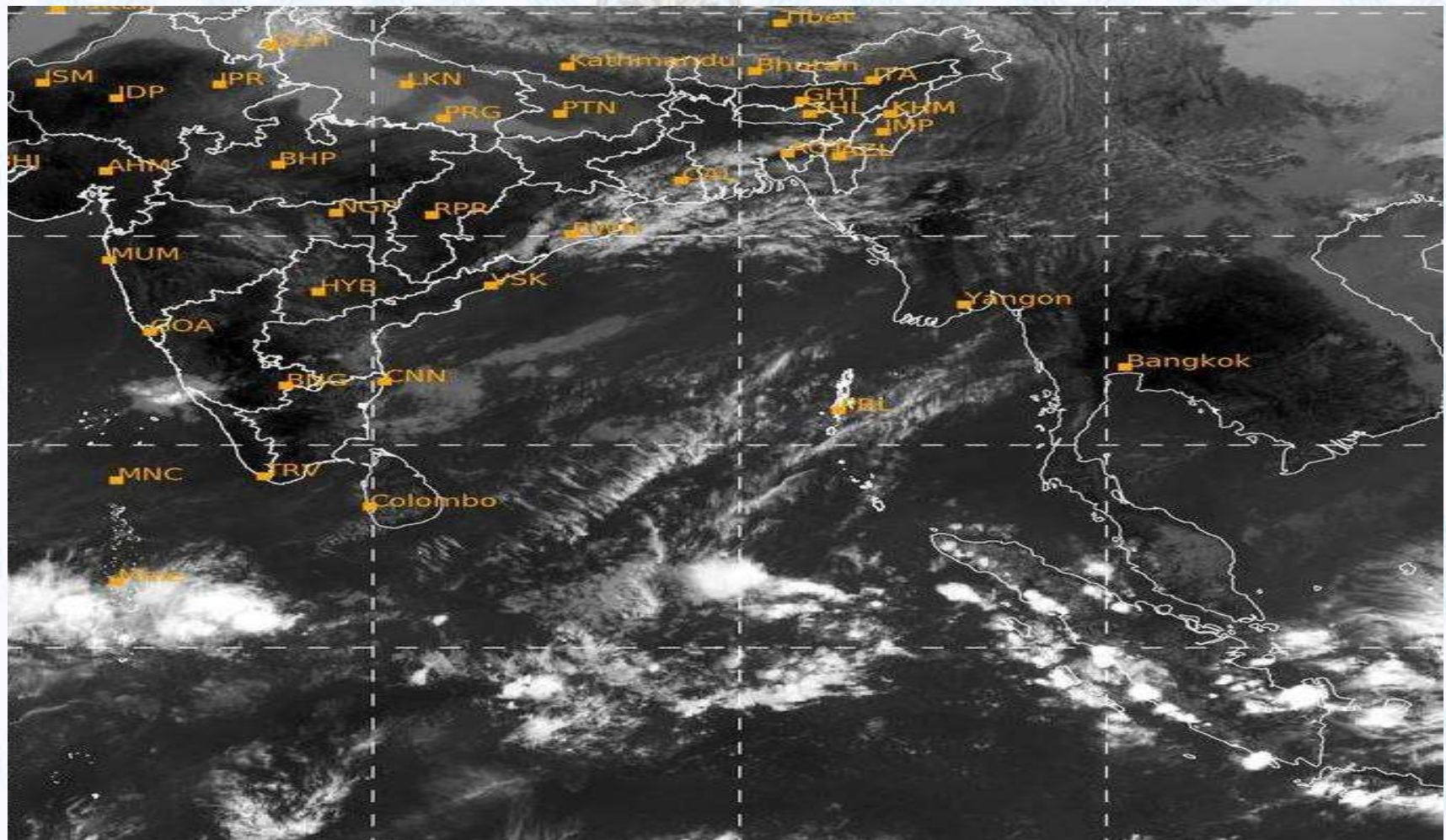
# GENERAL WEATHER FORECAST – KHULNA

Description	21 Jan 2020	22 Jan 2020	23 Jan 2020
<b>Temperature(C)</b>	24°C/ 11°C	24°C/ 14°C	24°C/ 13°C
<b>Summary</b>	Sunny	Sunny	Sunny
<b>Sun Rise/Set</b>	6h44m36s/17h41m54s	6h44m24s/17h42m30s	6h44m06s/17h43m06s
<b>Day Length</b>	10h57m18s	10h58m06s	10h59m00s
<b>Moon Rise/Set</b>	3:25AM 2:36PM	4:24AM 3:28PM	5:20AM 4:21PM
<b>Moon Phase/illu</b>	Waning Crescent, 11%	Waning Crescent, 5%	Waning Crescent, 1%
<b>Nautical Twilight</b>	0552, 1833	0552, 1833	0552, 1834
<b>Civil Twilight</b>	0620.,1805	0620.,1806	0620.,1807
<b>Humidity</b>	D : 64%    N : 82%	D : 65%    N : 81%	D : 70%    N : 82%
<b>Barometer (mb)</b>	1018	1018	1016
<b>Visibility</b>	Good	Good	Good
<b>Precip Chance</b>	10%	10%	10%
<b>Wind (mph)</b>	9 km/h NNW	8 km/h NNW	10 km/h WNW

Ref: <https://weather.com/weather/5day//BGXX0005:1:BG>



# SATELLITE VIEW OF BAY OF BENGAL



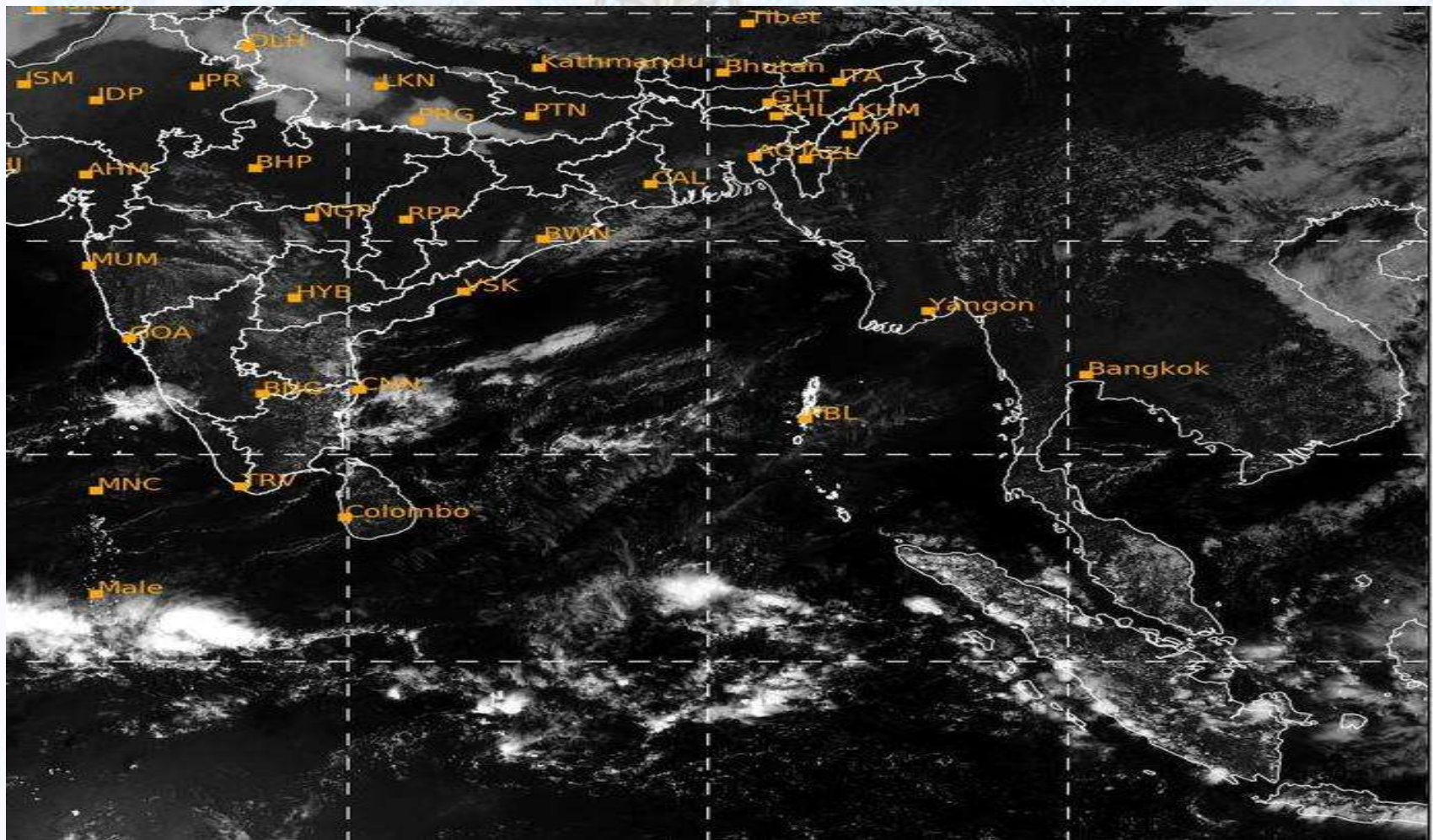
20/01/2020, 11:00 UTC MATSAT-IR

Ref: <http://satellite.imd.gov.in/insat.htm>





# SATELLITE VIEW OF BAY OF BENGAL



20/01/2020, 11:00 MATSAT-VIS

Ref: <http://satellite.imd.gov.in/insat.htm>



# Fleet Forecast Sea Area C-90 ( Valid for 12 Hrs Commencing 1000 UTC of 20.01.2020)

<b>Part One</b>	NO STORM WARNING.	
<b>Part Two</b>	SEASONAL LOW LIES OVER SOUTH BAY. EXTENDING ITS TROUGH TO NORTH BAY.	
<b>Part Three</b>	Weather	TEMPORARY PARTLY CLOUDY OVER AREA C-90.
	Wind	NORTH/NORTH-EASTERLY, 08-12 KTS.
	Visibility	02-04 KMS, REDUCING TO 1000 M OR LESS IN FOG.
	Outlook	FOR SUBSEQUENT 12 HOURS: LITTLE CHANGE.
	MSL Pressure	AT =20,0000 UTC. CHATTOGRAM =1014 HPA





# **Inland River Port Warning** **(VALID TILL 06 PM OF 20.01.2020)**

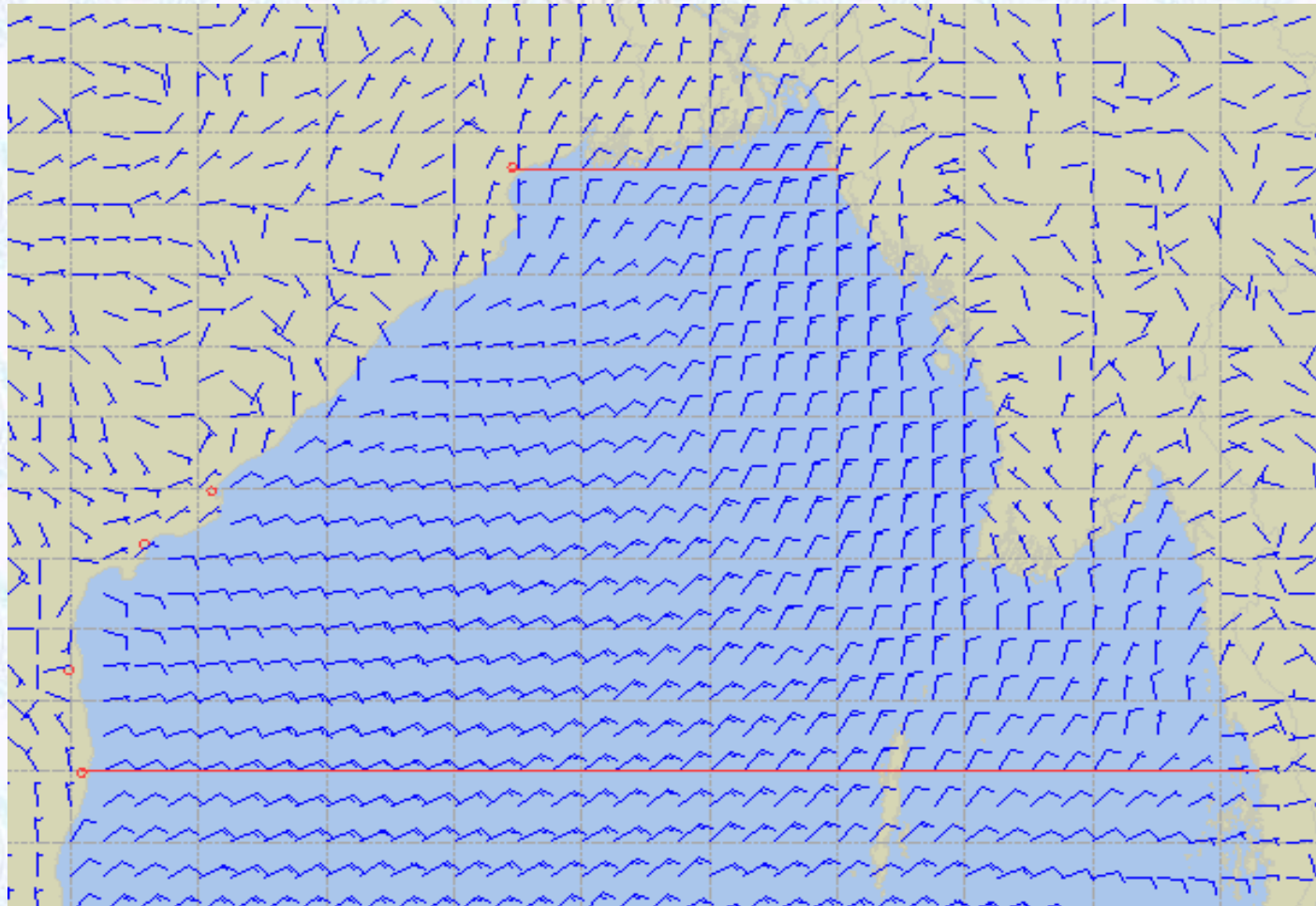
THERE IS NO INLAND RIVERPORTS WARNING & NO SIGNAL IS TO BE HOISTED.



Ref: <http://www.bmd.gov.bd/?/home>



# Surface Wind Forecast- 21 Jan- 2020



**Legend:**



**Calm  
Winds**



**5 Knots**



**10 Knots**



**60 Knots**

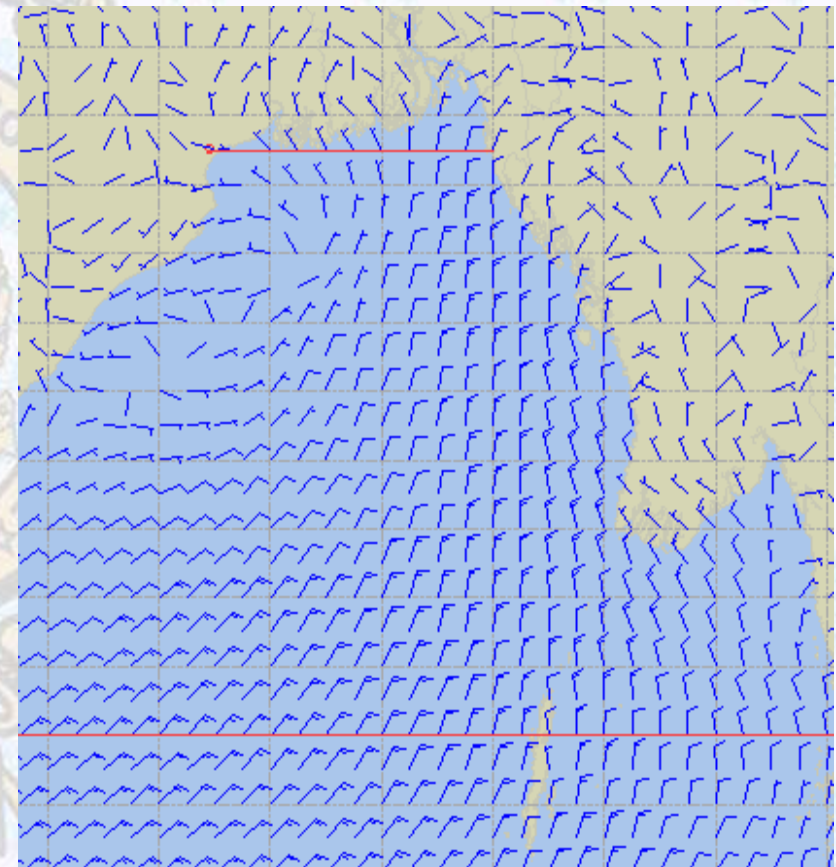
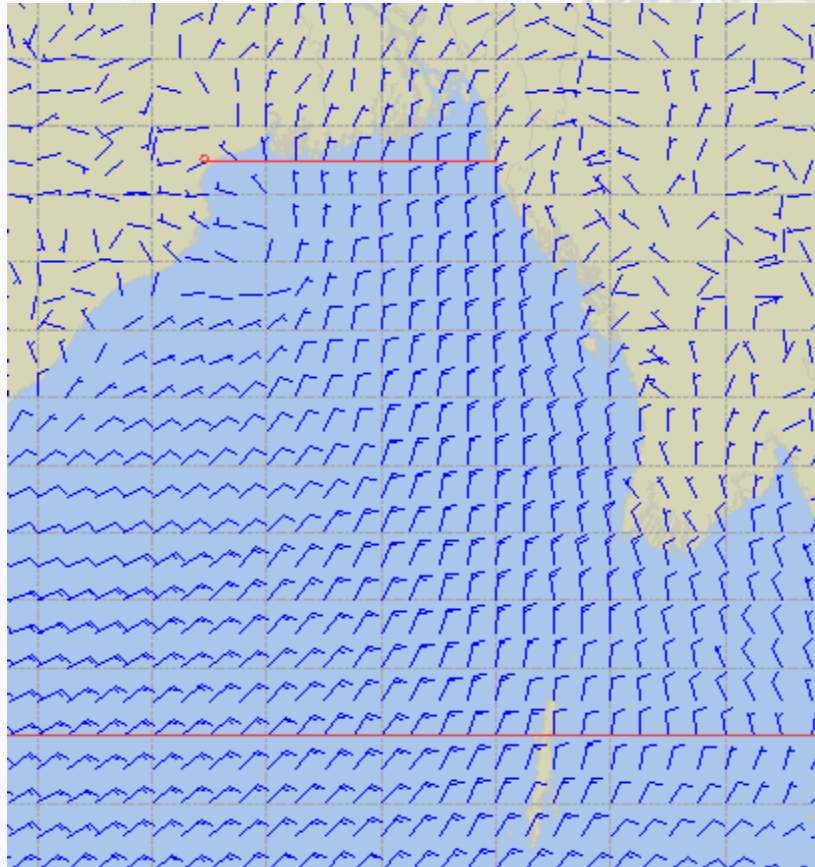




# Surface Wind Forecast – 22 & 23 Jan - 2020

22 Jan 2020 Wednesday

23 Jan 2020 Thursday



## Legend:



Calm  
Winds



5 Knots



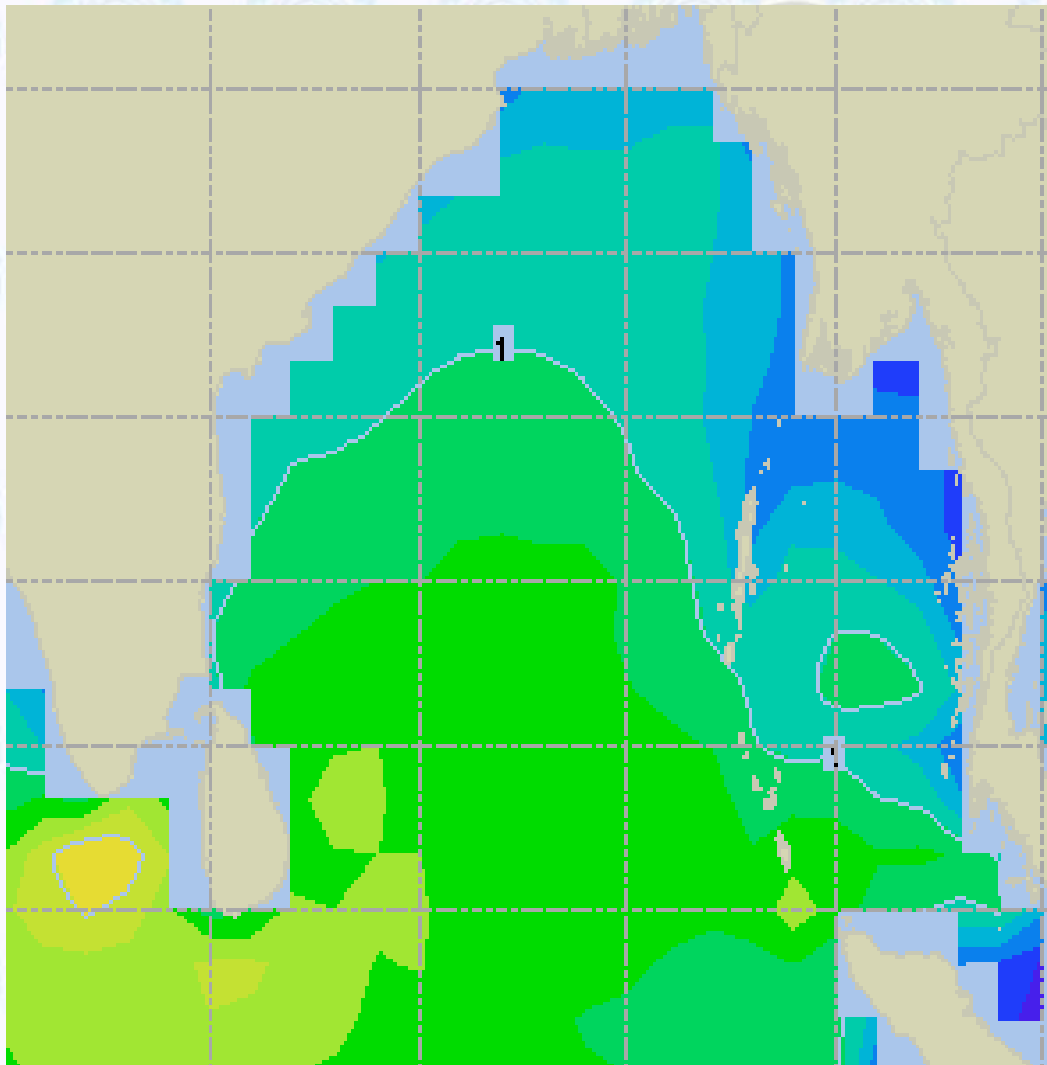
10 Knots



60 Knots



# Sea State Forecast- 21 Jan - 2020



Sea State	Ht (m)
0	0-0.1
1	0-0.1
2	0.1-0.5
3	0.5-1.25
4	1.25-2.5
5	2.5-4.0
6	4-6
7	6-9
8	9-14
9	Over 14



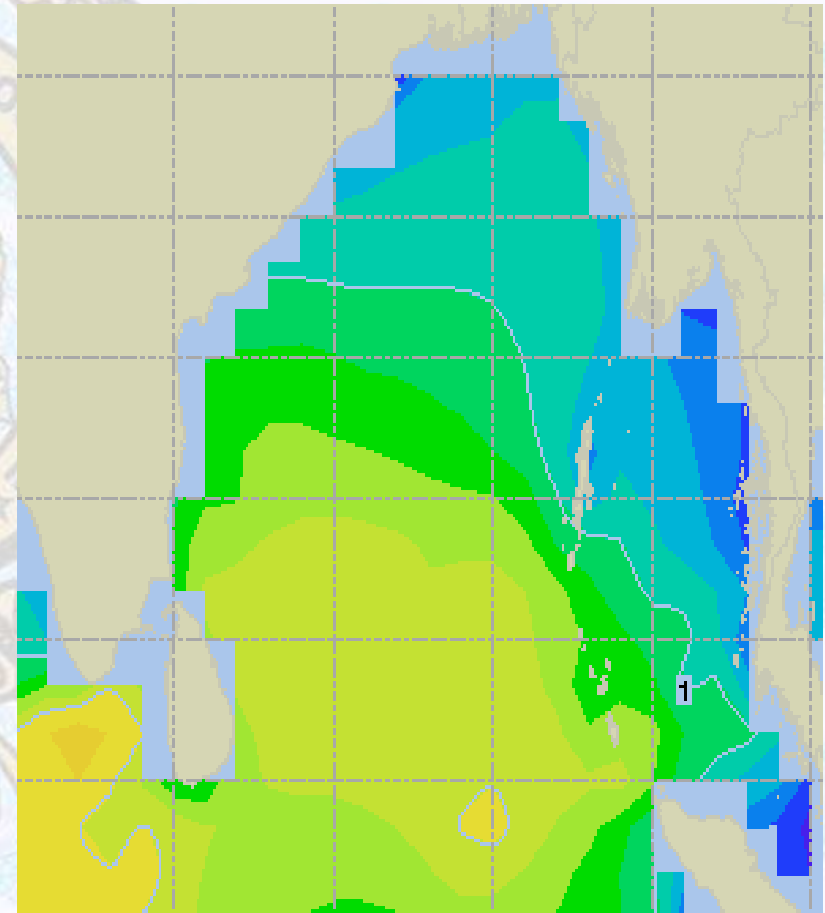
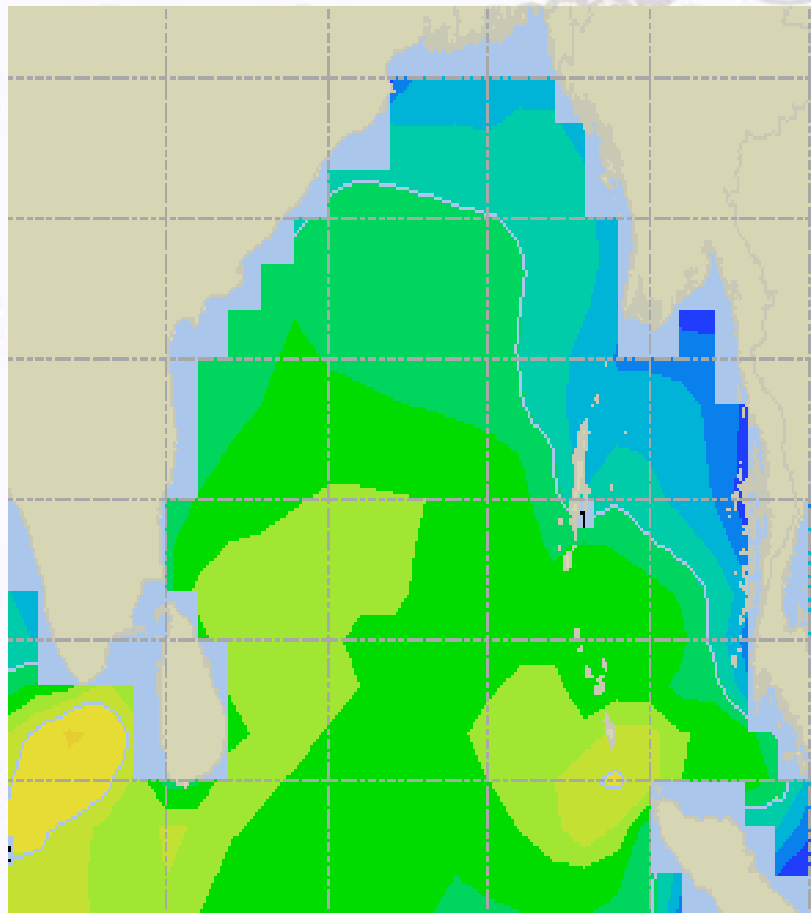




# Sea State Forecast – 22 & 23 Jan - 2020

22 Jan 2020 Wednesday

23 Jan 2020 Thursday

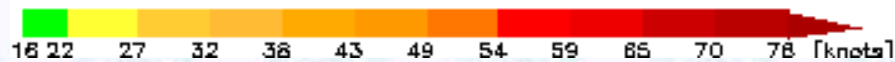
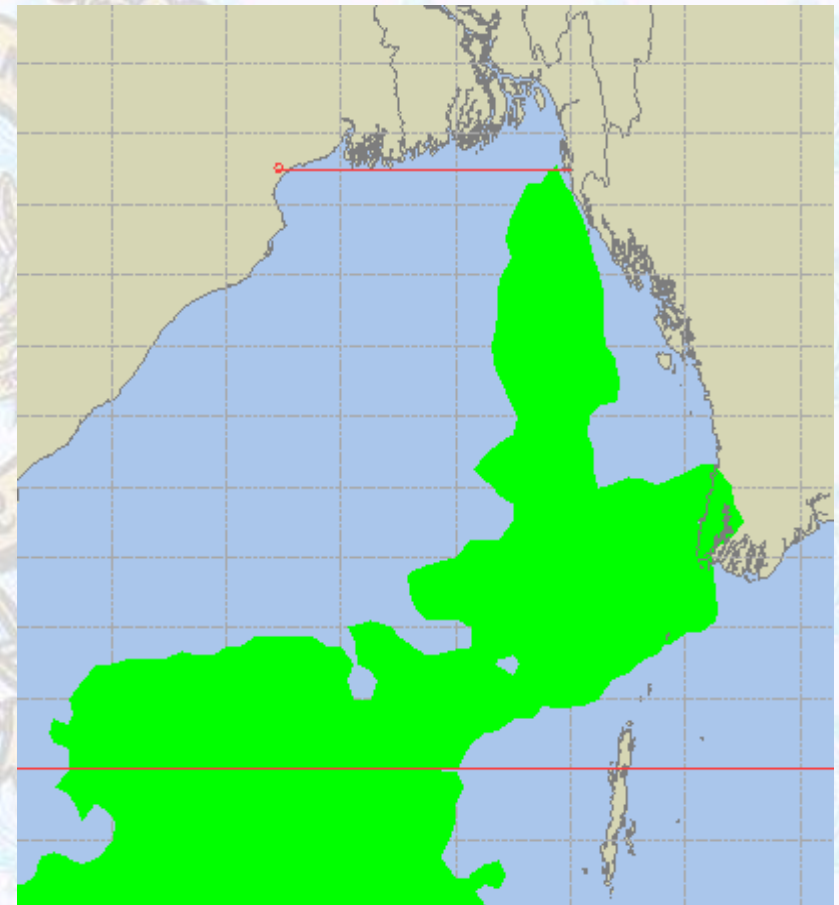
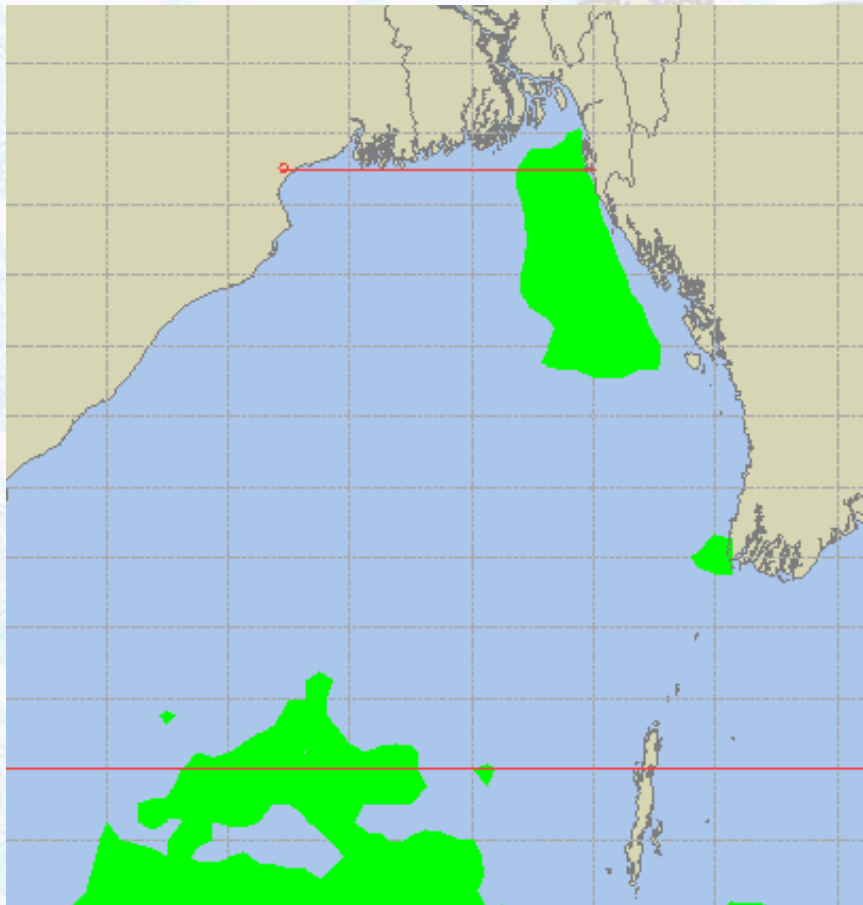




# Peak Gusting Possibilities – 21 & 22 Jan - 2020

21 Jan 2020 Tuesday

22 Jan 2020 Wednesday



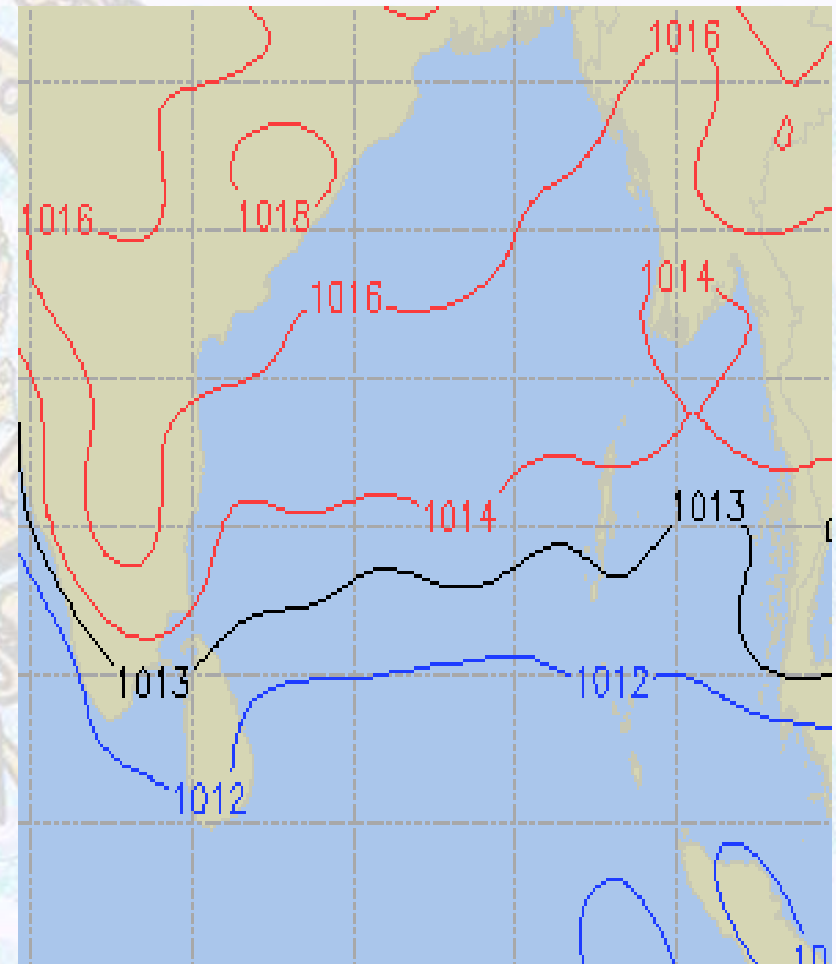
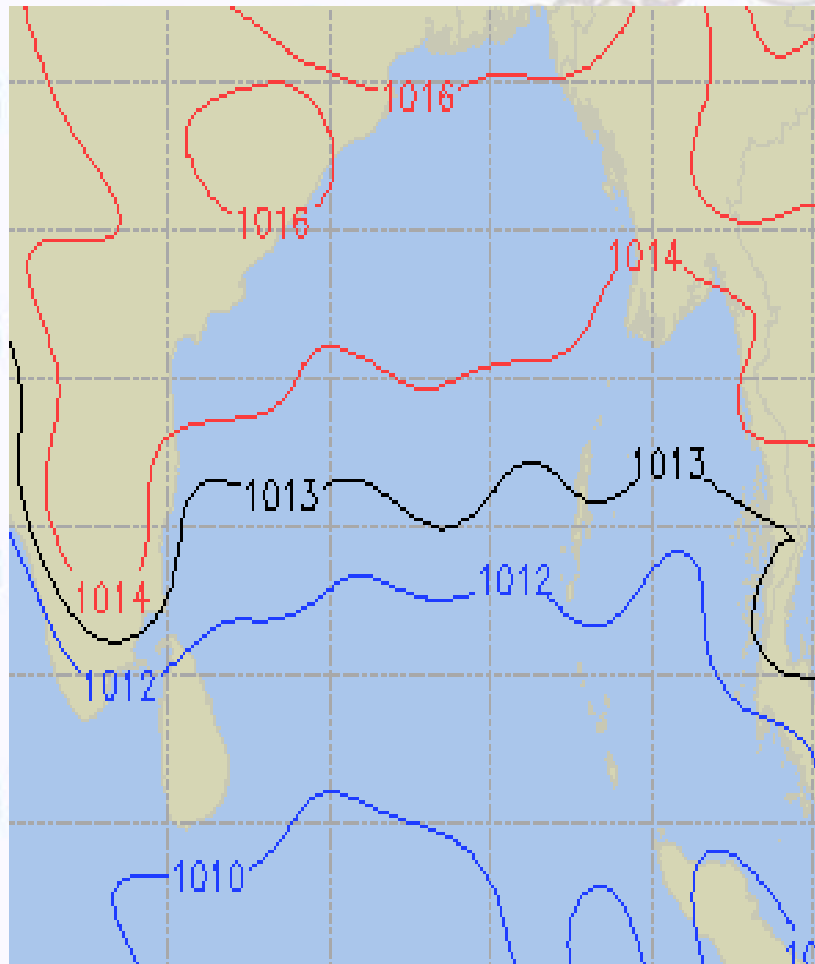




# Surface Pressure forecast – 21 & 22 Jan - 2020

21 Jan 2020 Tuesday

22 Jan 2020 Wednesday

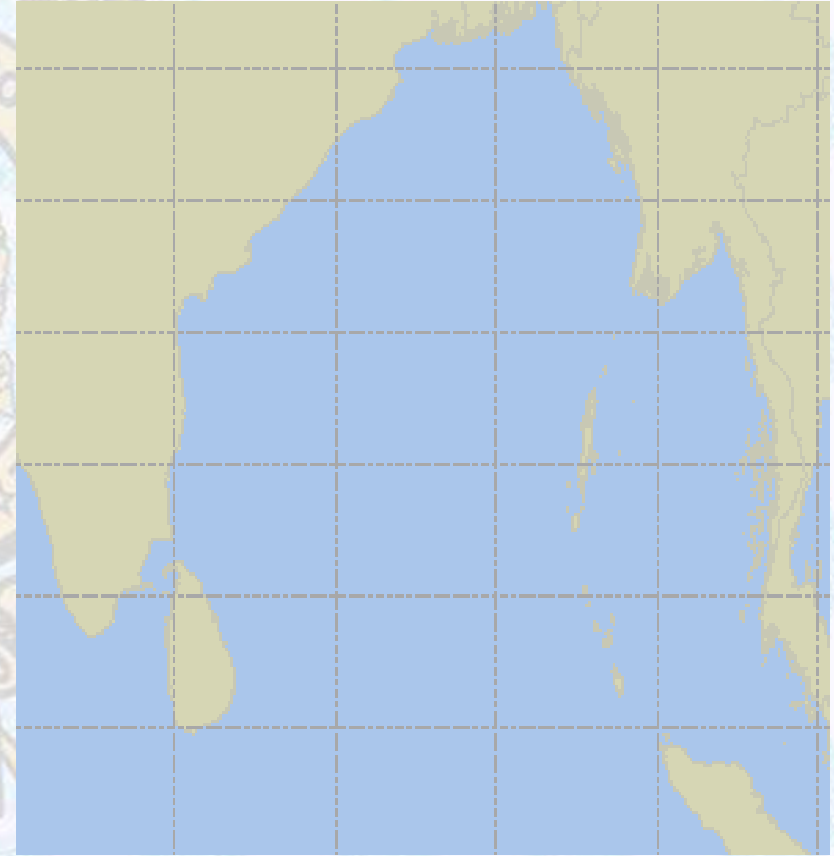
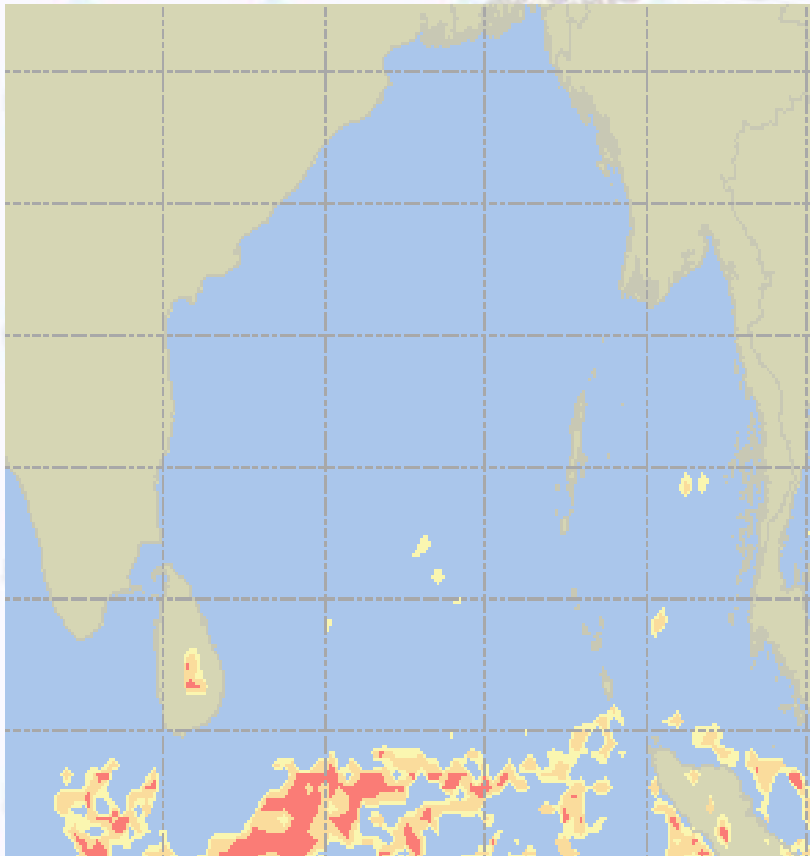




# Visibility at Sea Forecast – 21 & 22 Jan - 2020

21 Jan 2020 Tuesday

22 Jan 2020 Wednesday



**Visibility Scale:**



Ref (Slide 12-18): <http://www.weatheronline.co.uk/marine/weather?LEVEL>

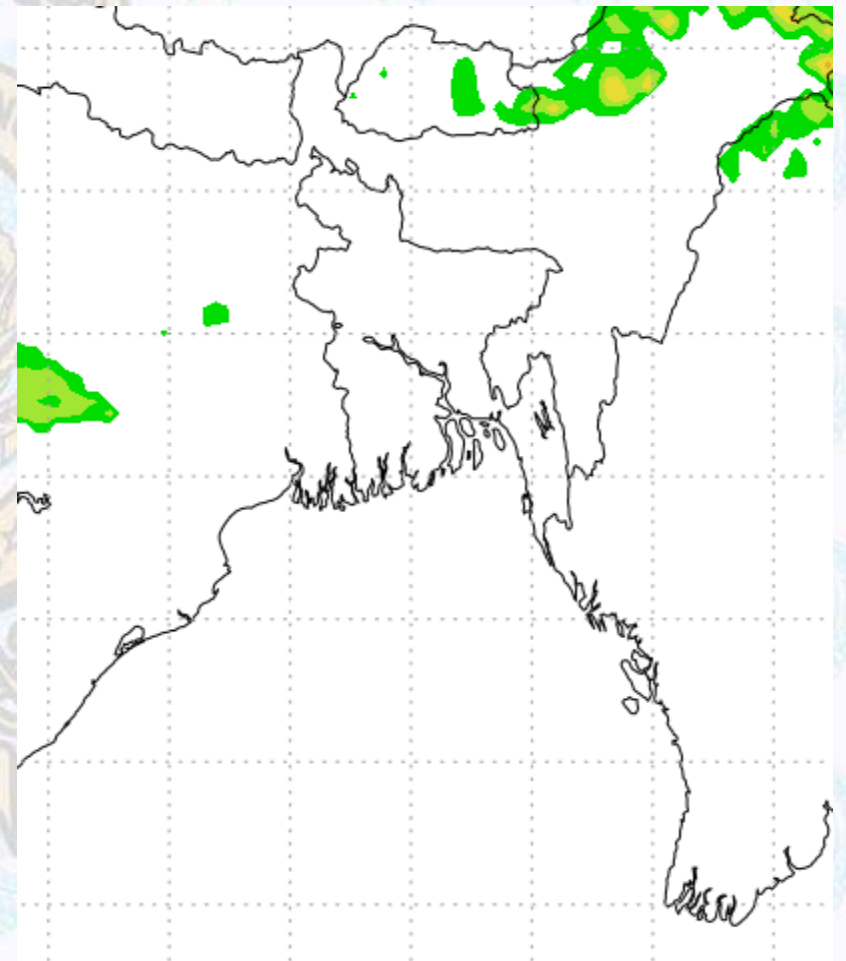
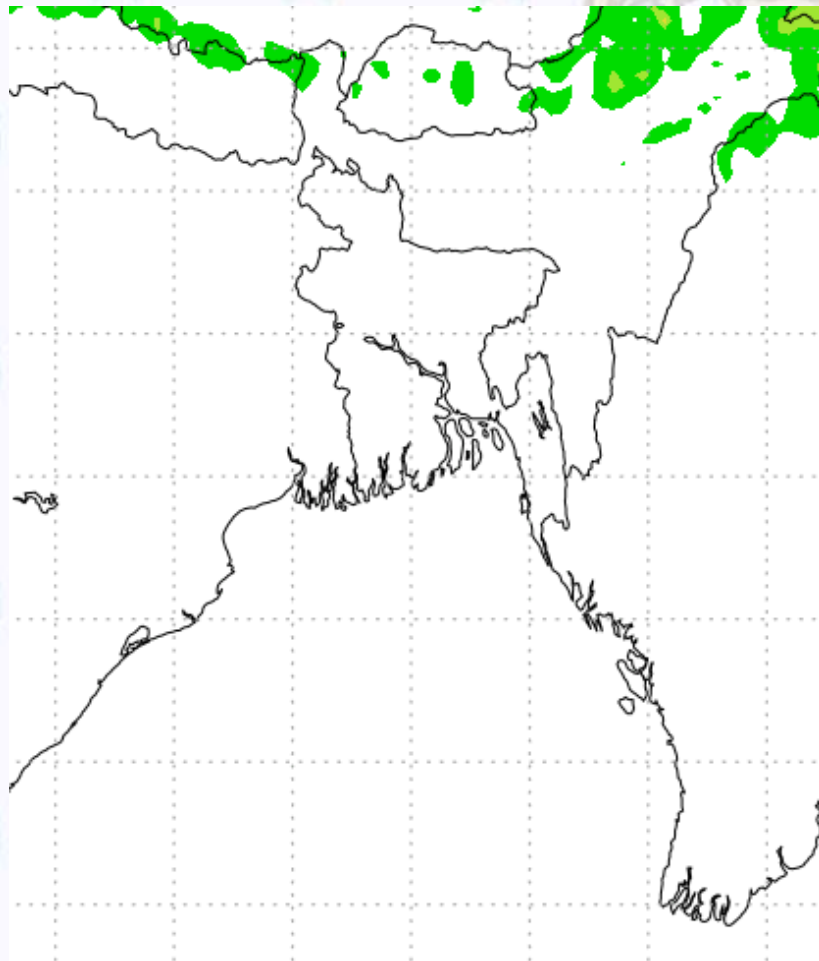




# Precipitation

Rain(mm) 21 & 22 Jan 20

Rain(mm) 22 & 23 Jan 20



Precipitation Scale (mm):





# Tidal Information

## KHAL NO. 10

## COX'S BAZAR

## HIRAN POINT

	Time	Height		Time	Height		Time	Height
		0450		0.77			0201	0.79
21Jan 2020	1051	3.37		0746	2.39		0814	2.13
	1657	0.74		1421	0.67		1419	0.82
	2312	3.94		2022	2.79		2050	2.57
	Time	Height		Time	Height		Time	Height
		0550		0.64			0307	0.68
22Jan 2020	1148	3.47		0848	2.50		0917	2.24
	1752	0.69		1522	0.56		1519	0.73
	-	-		2115	2.97		2142	2.68
	Time	Height		Time	Height		Time	Height
		0001		4.02			0401	0.56
23Jan 2020	0639	0.56		0939	2.63		1006	2.35
	1232	3.57		1613	0.45		1608	0.65
	1839	0.64		2201	3.13		2225	2.77