



# **WEATHER FORECAST FOR BN**

**21 -24 APR 2020**



# WEATHER FORECAST – DHAKA

## 21.04.2020

Hourly	2 PM	4 PM	8 PM	11 PM
Temp. / Dew Point	34 / 25	33 / 25	27 / 24	26 / 24
Wind	16 km/h SSE	12 km/h SSE	13 km/h SSE	11 km/h SSW
Humidity	60%	65%	84%	86%
Chance of Precip	1%	81%	45%	18%
Cloud Cover	10%	75%	64%	60%
Conditions	Partly Cloudy	Partly Cloudy	Partly Cloudy	Partly Cloudy
Sunrise Sunset	5: 33 AM 6: 23 PM			

### Conditions

Pressure : 1009 hpa

Visibility : 12.87 km

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



# WEATHER FORECAST – CHATTOGRAM

## 21.04.2020

Hourly	2 PM	4 PM	8 PM	11 PM
Temp. / Dew Point	31 / 24	30 / 27	28 / 27	27 / 27
Wind	14 km/h SW	15 km/h SSW	12 km/h SSW	7 km/h S
Humidity	67%	81%	90%	95%
Chance of Precip.	1%	2%	9%	7%
Cloud Cover	34%	22%	36%	40%
Conditions	Sunny/Partly Cloudy	Sunny/Partly Cloudy	Sunny/Partly Cloudy	Sunny/Partly Cloudy
Sunrise Sunset	5: 18 AM 6: 16 PM			

### Conditions

Pressure : 1011 hpa

Visibility : 9.66 Km

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



# WEATHER FORECAST – KHULNA

## 21.04.2020

Hourly	2 PM	4 PM	8 PM	11 PM
Temp. / Dew Point	34 / 27	33 / 27	29 / 26	28 / 26
Wind	19 km/h S	18 km/h S	15 km/h S	13 km/h S
Humidity	66%	69%	85%	88%
Chance of Precip.	40%	5%	8%	6%
Cloud Cover	50%	30%	42%	59%
Conditions	Partly Cloudy	Partly Cloudy	Partly Cloudy	Partly Cloudy
Sunrise Sunset	5: 38 AM 6: 26 PM			

### Conditions

Pressure : 1009 hpa

Visibility : 14.48 Km

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



# GENERAL WEATHER FORECAST – DHAKA

Description	22 Apr 2020	23 Apr 2020	24 Apr 2020
<b>Temperature (C)</b>	29 °C/ 24 °C	30 °C/ 25 °C	31 °C/ 24 °C
<b>Summary</b>	Partly Cloudy/Sunny	Partly Cloudy/Sunny	Partly Cloudy/Sunny
<b>Sun Rise/Set</b>	5h30m54s/18h23m36s	5h29m54s/18h24m36s	5h28m54s/18h25m36s
<b>Day Length</b>	12h52m42s	12h53m42s	12h54m42s
<b>Moon Rise/ Set</b>	5:12AM 5:48PM	5:45AM 6:38PM	6:18AM 7:31PM
<b>Moon Phase/ illu</b>	New Moon, 0%	New Moon, 0%	Waning Crescent, 2%
<b>NauticalTwilight</b>	0440,1913	0440,1912	0439,1912
<b>Civil Twilight</b>	0507,1846	0507,1846	0506,1845
<b>Humidity</b>	D : 86% N : 91%	D : 73% N : 86%	D : 88% N : 91%
<b>Barometer (mb)</b>	1008	1008	1008
<b>Visibility</b>	Good	Good	Good
<b>Precip Chance</b>	80%	80%	80%
<b>Wind (mph)</b>	13 Km/h S	10 Km/h S	10 Km/h S

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



# GENERAL WEATHER FORECAST– CHATTOGRAM

Description	22 Apr 2020	23 Apr 2020	24 Apr 2020
<b>Temperature (C)</b>	28°C/ 23°C	30°C/ 25°C	31°C/ 24°C
<b>Summary</b>	Partly Cloudy/Sunny	Partly Cloudy/Sunny	Partly Cloudy/Sunny
<b>Sun Rise/Set</b>	5h27m00s/18h16m12s	5h26m00s/18h17m12s	5h25m00s/18h18m12s
<b>Day Length</b>	12h49m12s	12h50m12s	12h51m12s
<b>Moon Rise/ Set</b>	5:06AM 5:41PM	5:45AM 6:38PM	6:18AM 7:31PM
<b>Moon Phase/ illu</b>	New Moon, 0%	New Moon, 0%	Waning Crescent, 2%
<b>NauticalTwilight</b>	0436, 1904	0436, 1904	0435, 1903
<b>Civil Twilight</b>	0504, 1838	0503, 1837	0503, 1837
<b>Humidity</b>	D : 90% N : 95%	D : 77% N : 95%	D : 71% N : 95%
<b>Barometer (mb)</b>	1010	1010	1010
<b>Visibility</b>	Good	Good	Good
<b>Precip Chance</b>	60%	60%	60%
<b>Wind (mph)</b>	14 Km/h S	12 Km/h S	14 Km/h S

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



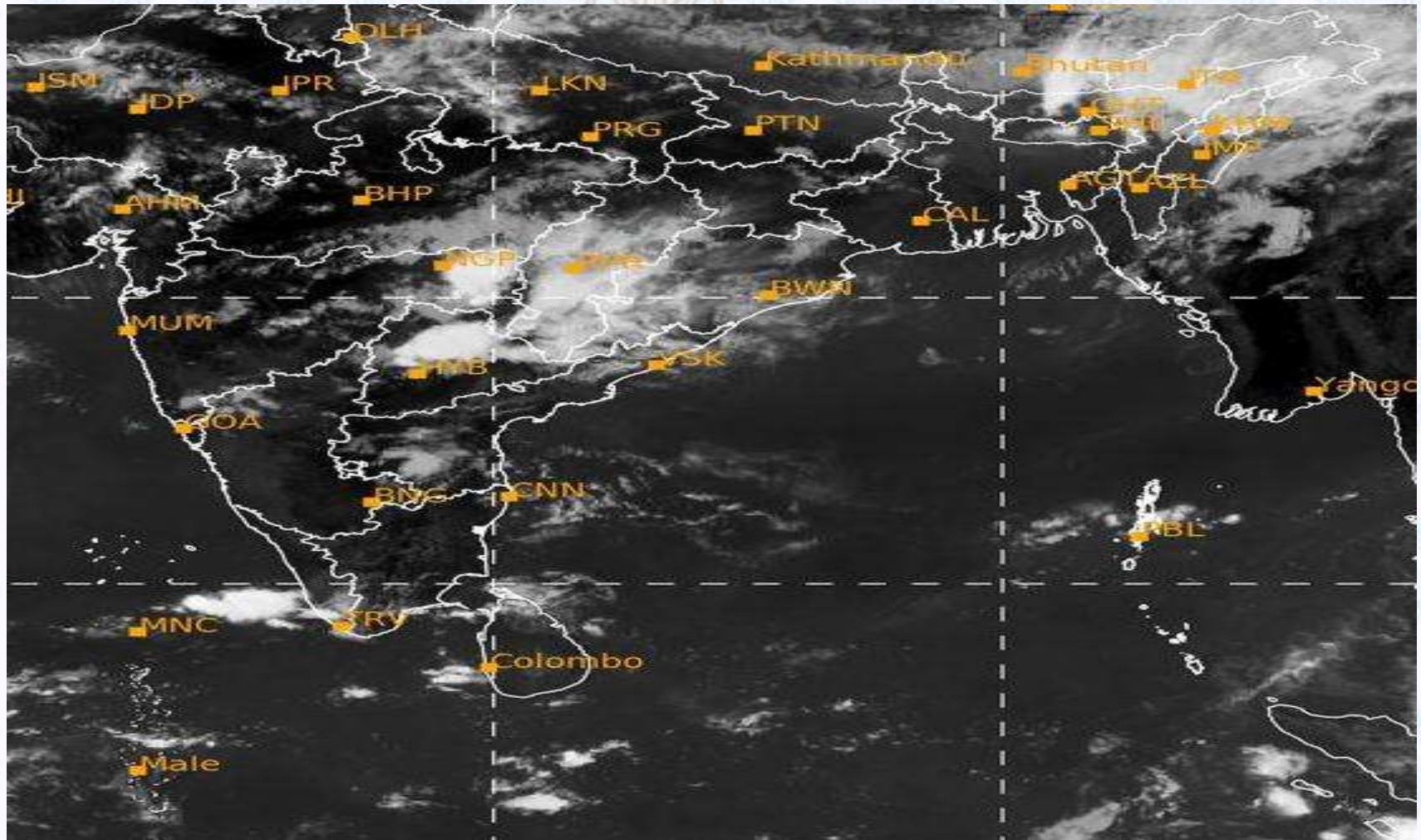
# GENERAL WEATHER FORECAST – KHULNA

Description	22 Apr 2020	23 Apr 2020	24 Apr 2020
<b>Temperature(C)</b>	31°C/ 24°C	30°C/ 24°C	32°C/ 26°C
<b>Summary</b>	Partly cloudy /Sunny	Partly cloudy /Sunny	Partly cloudy /Sunny
<b>Sun Rise/Set</b>	5h35m30s/18h25m54s	5h36m30s/18h26m54s	5h35m30s/18h27m54s
<b>Day Length</b>	12h50m24s	12h51m24s	12h52m24s
<b>Moon Rise/Set</b>	5:17AM 5:52PM	5:45AM 6:38PM	6:18AM 7:31PM
<b>Moon Phase/illu</b>	New Moon, 0%	New Moon, 0%	Waning Crescent, 2%
<b>Nautical Twilight</b>	0445, 1915	0445, 1915	0444, 1914
<b>Civil Twilight</b>	0512, 1848	0512, 1847	0511, 1847
<b>Humidity</b>	D : 84% N : 90%	D : 66% N : 92%	D : 78% N : 92%
<b>Barometer (mb)</b>	1008	1008	1008
<b>Visibility</b>	Good	Good	Good
<b>Precip Chance</b>	60%	60%	60%
<b>Wind (mph)</b>	14 km/h S	14 km/h S	13 km/h S

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



# SATELLITE VIEW OF BAY OF BENGAL



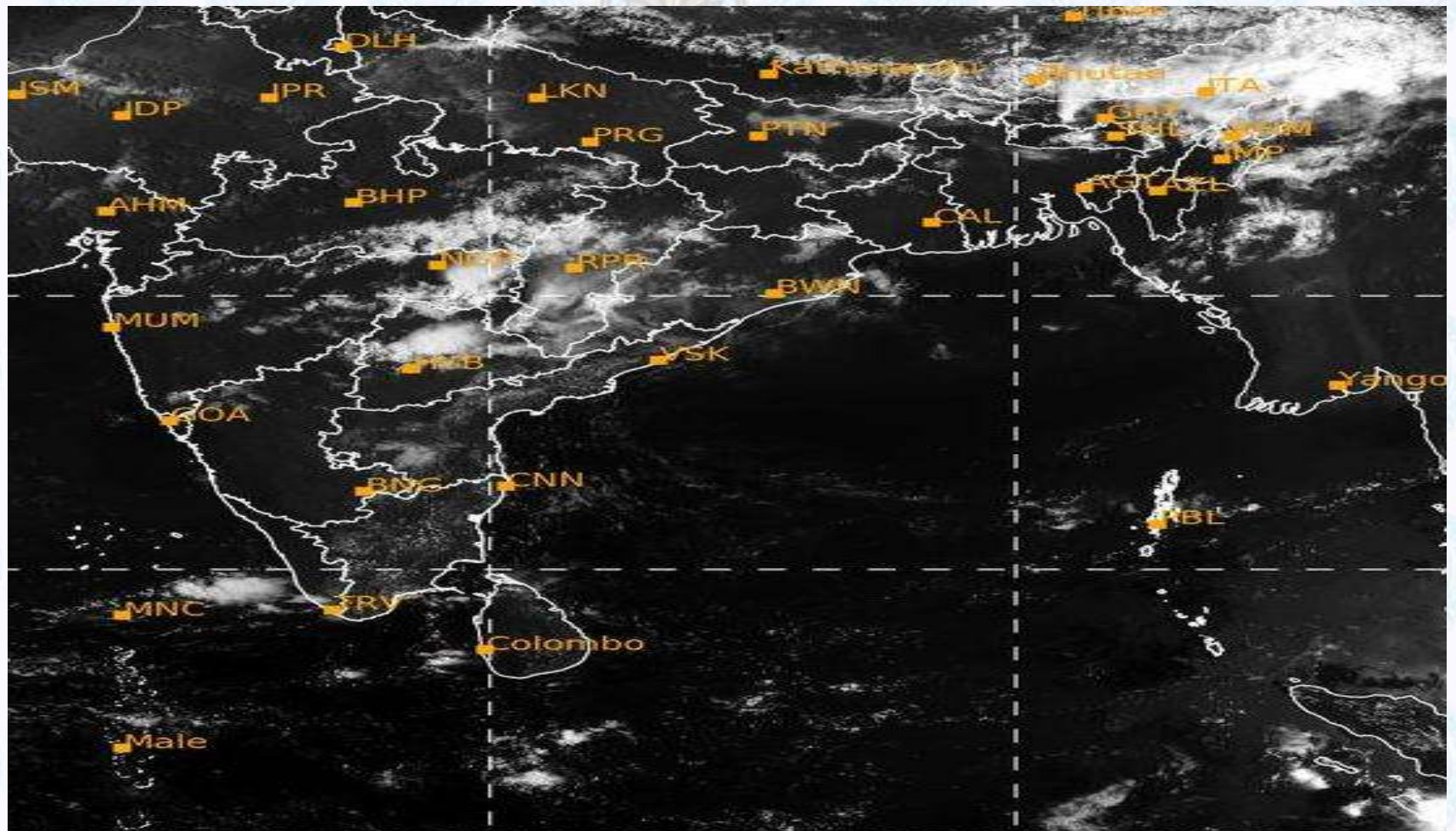
21/04/2020, 12:00 UTC MATSAT-IR

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





# SATELLITE VIEW OF BAY OF BENGAL



21/04/2020, 12:00 MATSAT-VIS

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



# Fleet Forecast Sea Area C-90 ( Valid for 12 Hrs Commencing 1000 UTC of 21.04.2020)

<b>Part One</b>	NO STORM WARNING.	
<b>Part Two</b>	SEASONAL LOW LIES OVER SOUTH BAY.	
<b>Part Three</b>	Weather	TEMPORARY RAIN/THUNDER SHOWERS OVER AREA C-90.
	Wind	WEST/SOUTH-WESTERLY, 08-12 KTS, TEMPORARY GUSTING TO 22 KTS.
	Visibility	03-05 KMS, REDUCING TO 1500 M OR LESS IN RAIN/SHOWERS.
	Outlook	FOR SUBSEQUENT 12 HOURS: LITTLE CHANGE.
	MSL Pressure	AT =21,0000 UTC. CHATTOGRAM =1011 HPA



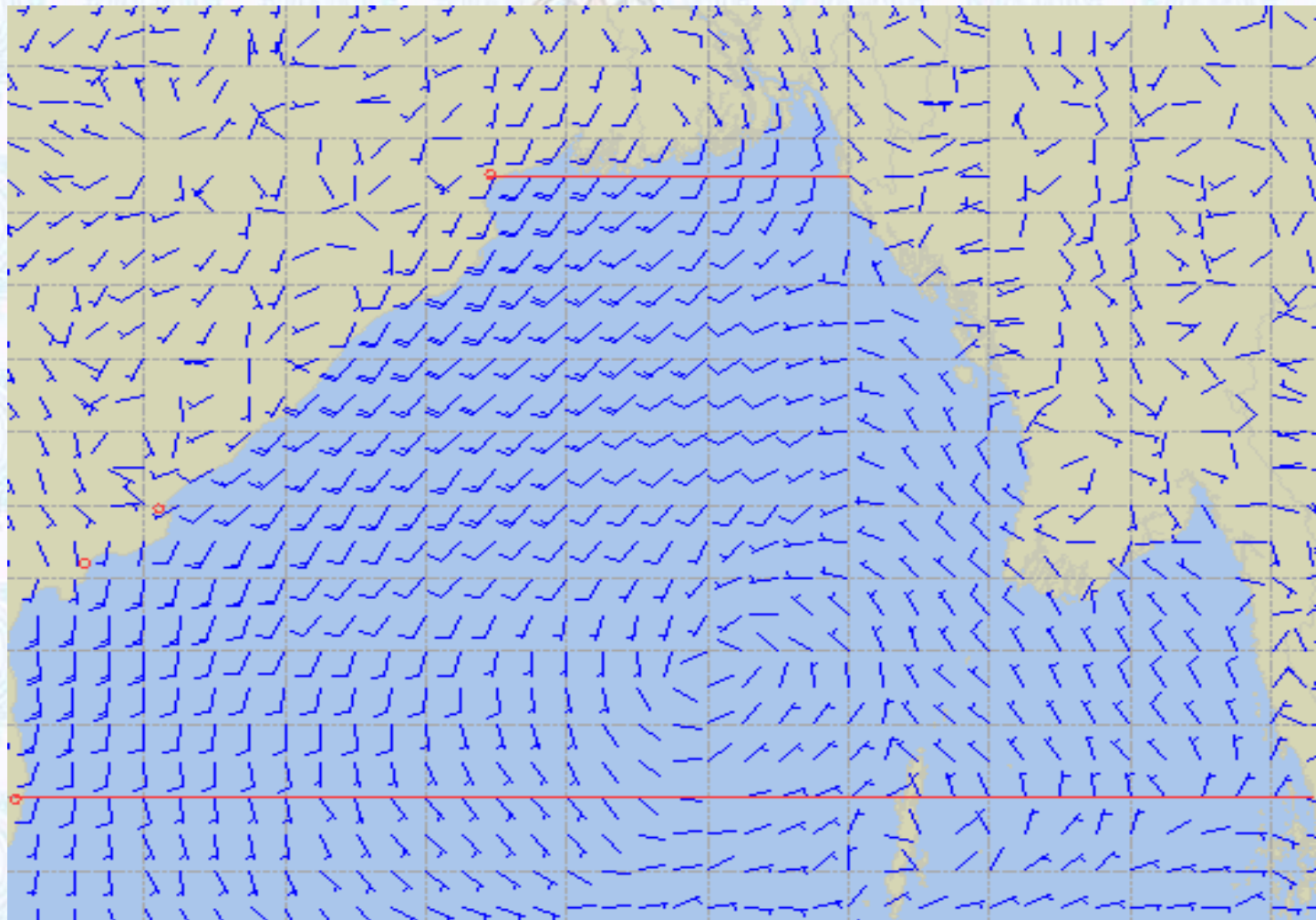
## **Inland River Port Warning** **(VALID TILL 06 PM OF 21.04.2020)**

RAIN/THUNDER SHOWERS ACCOMPANIED BY TEMPORARY **WEST/NORTH-WESTERLY**, GUSTY/SQUALLY WIND SPEED **45-60** KPH IS LIKELY TO OCCUR OVER THE REGIONS OF RANGPUR, RAJSHAHI, PABNA, BOGURA, TANGAIL, MYMENSINGH, DHAKA, FARIDPUR, MADARIPUR, KUSHTIA, JASHORE, KHULNA, BARISHAL, PATUAKHALI, CUMILLA, NOAKHALI, CHATTOGRAM, COX'SBAZAR & SYLHET WHEREIN RIVERPORTS SHALL HOIST CAUTIONARY SIGNAL NO. ONE (R) ONE.

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



# Surface Wind Forecast- 22 Apr - 2020



**Legend:**



**Calm  
Winds**



**5 Knots**



**10 Knots**



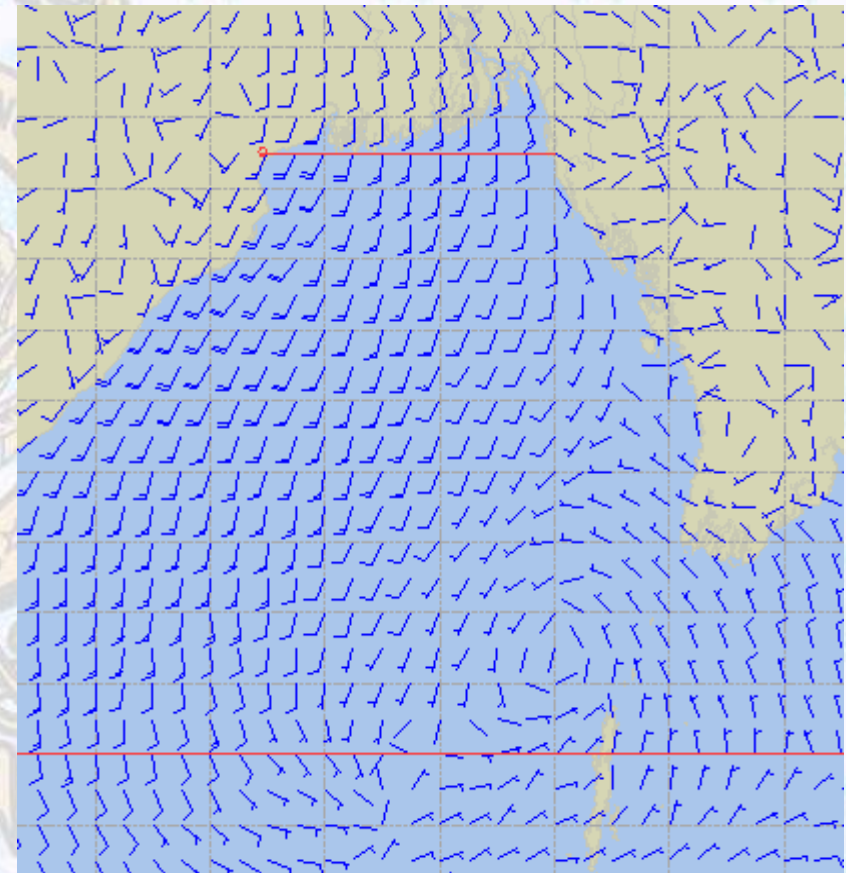
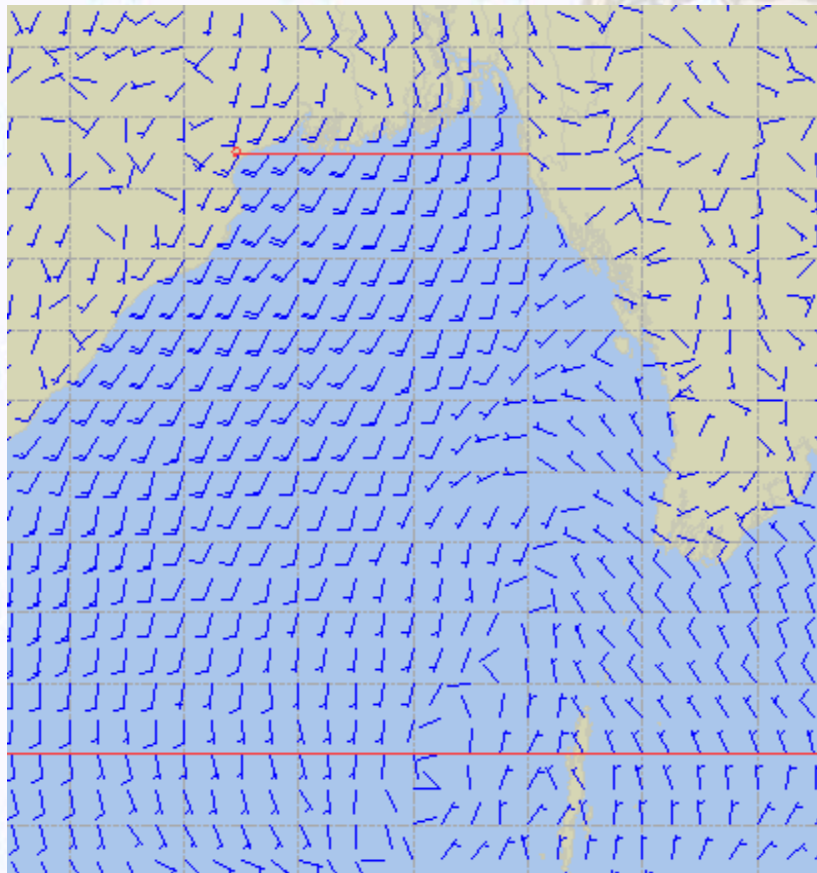
**60 Knots**



# Surface Wind Forecast –23 Apr & 24 Apr- 2020

23 Apr 2020 Thursday

24 Apr 2020 Friday



## Legend:



Calm  
Winds



5 Knots



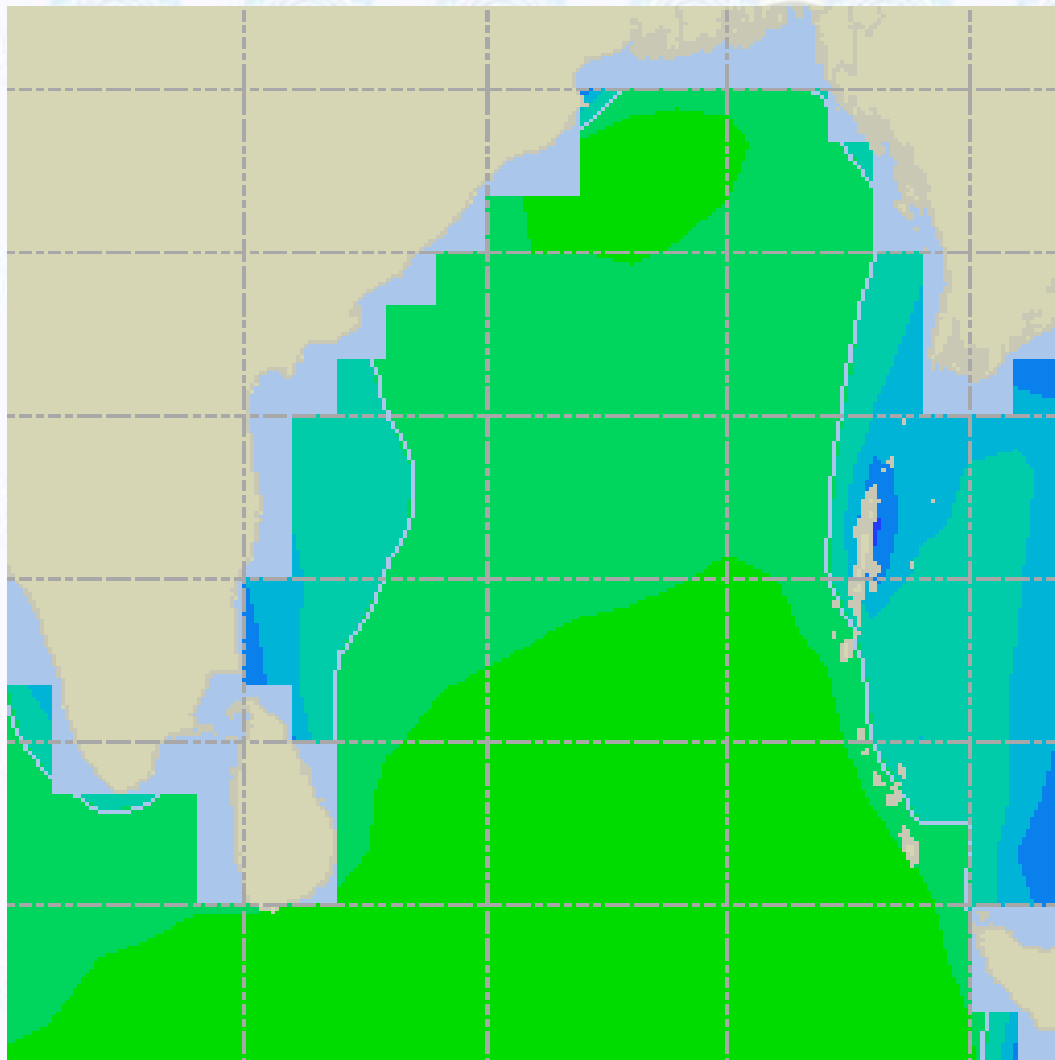
10 Knots



60 Knots



# Sea State Forecast - 22 Apr - 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

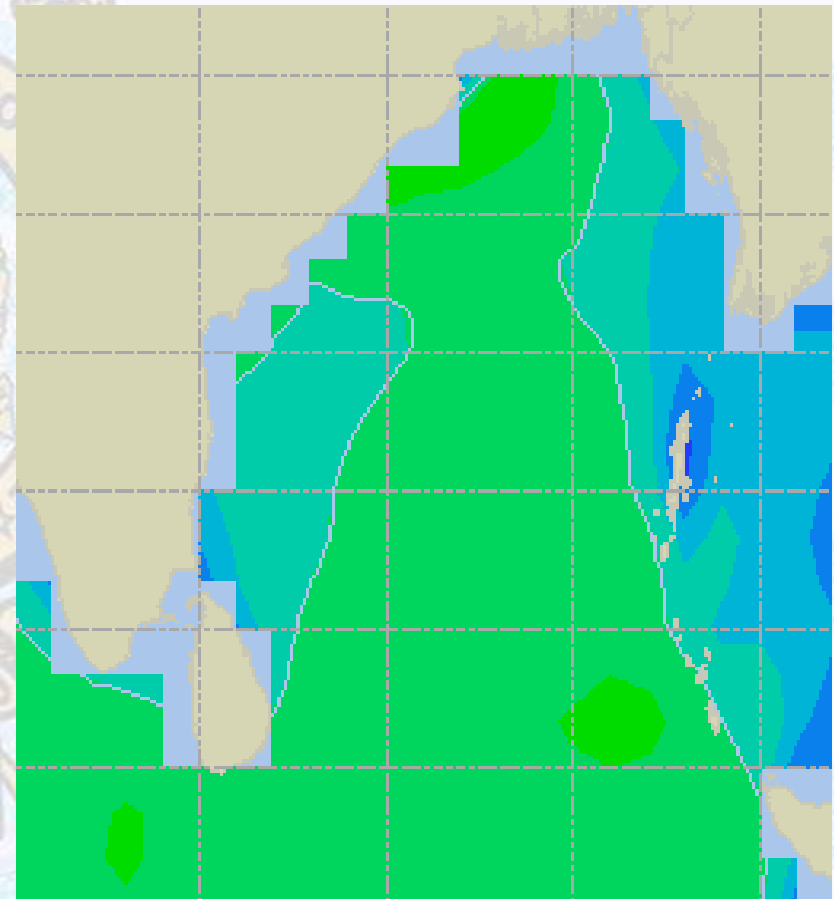
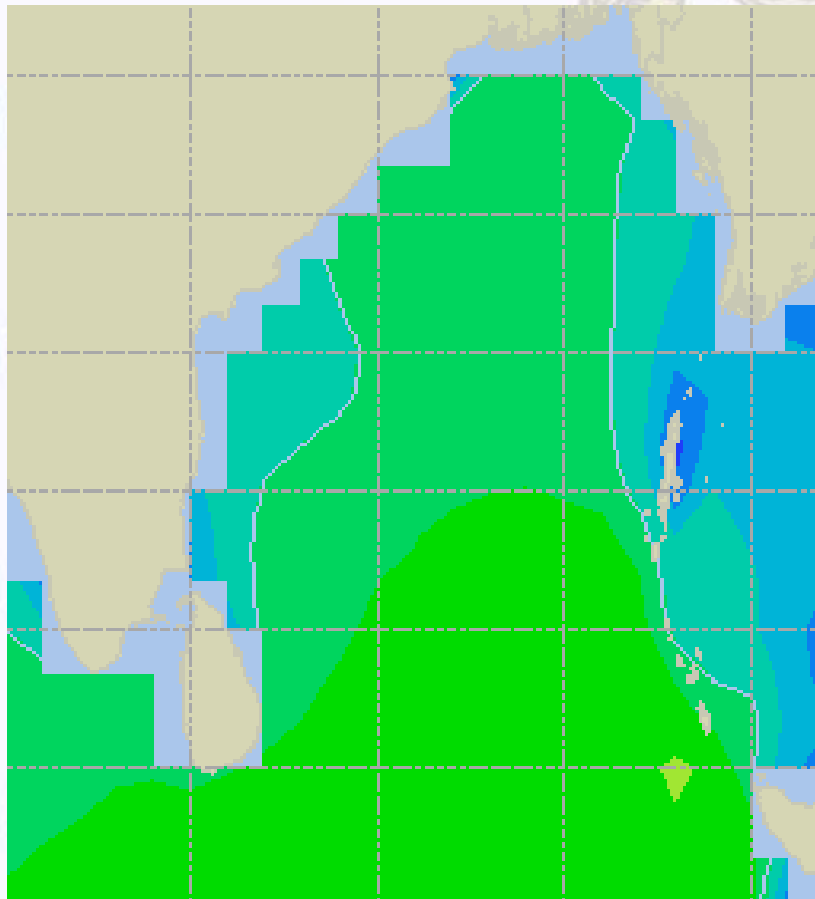




# Sea State Forecast – 23 & 24 Apr- 2020

23 Apr 2020 Thursday

24 Apr 2020 Friday

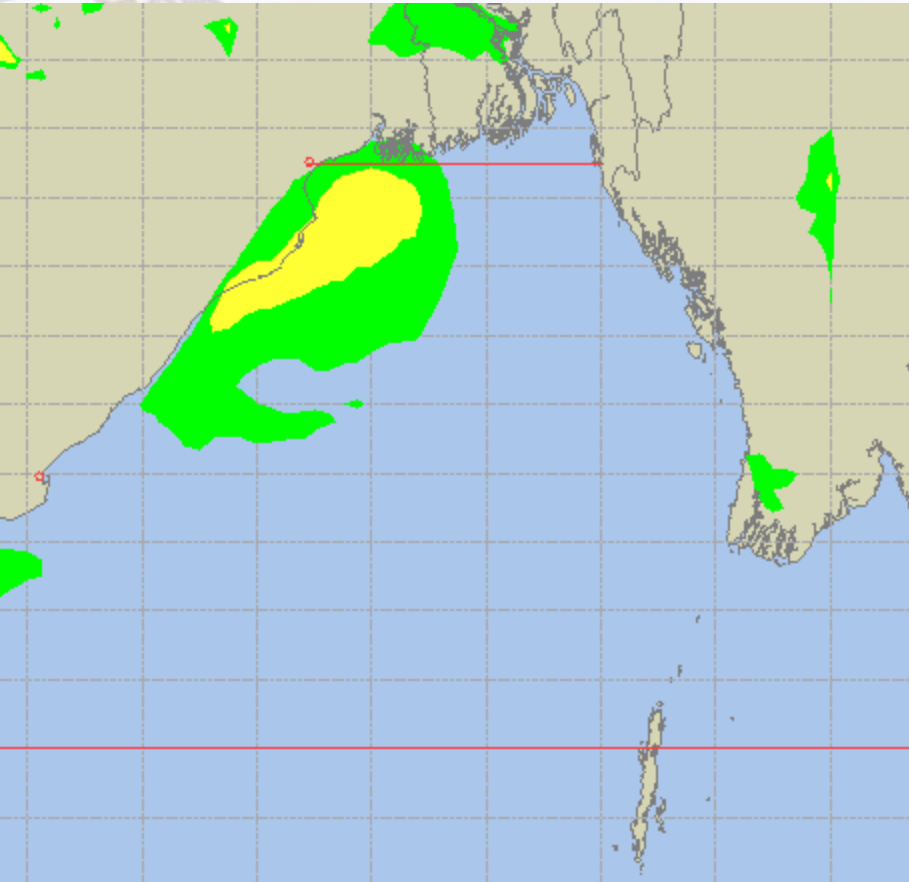
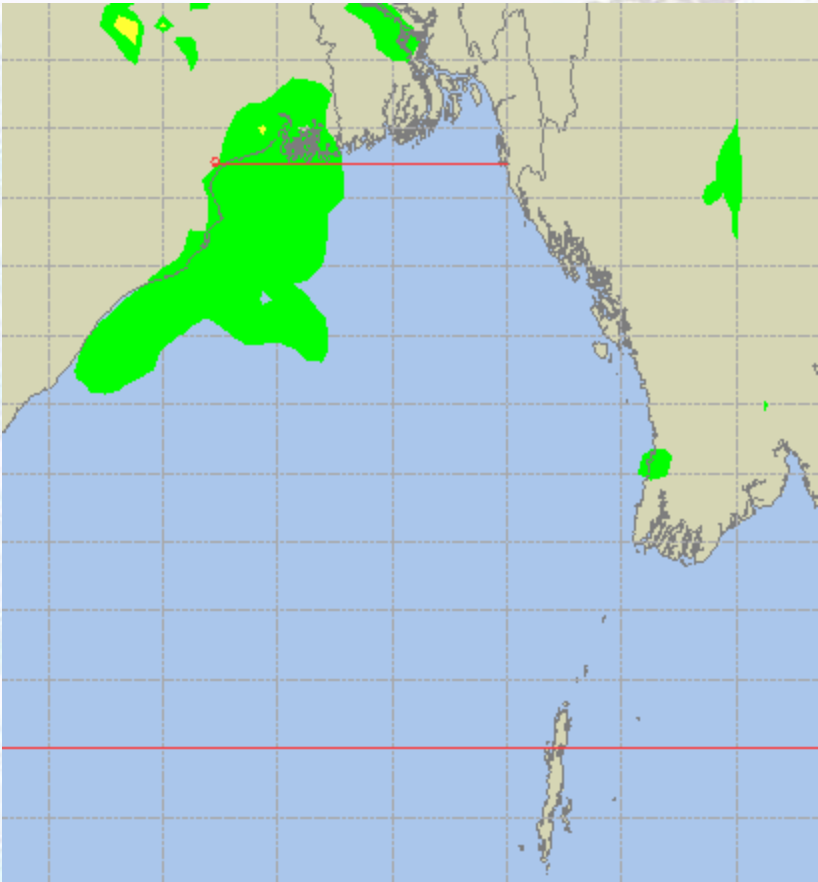




# Peak Gusting Possibilities – 22 & 23 Apr 2020

22 Apr 2020 Wednesday

23 Apr 2020 Thursday

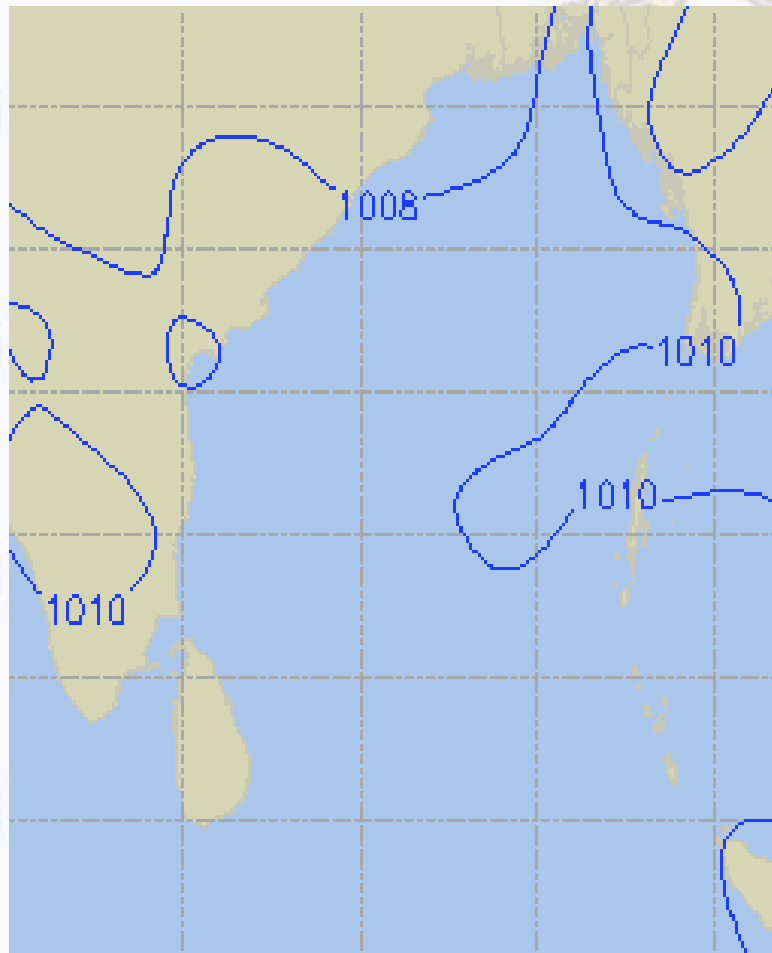




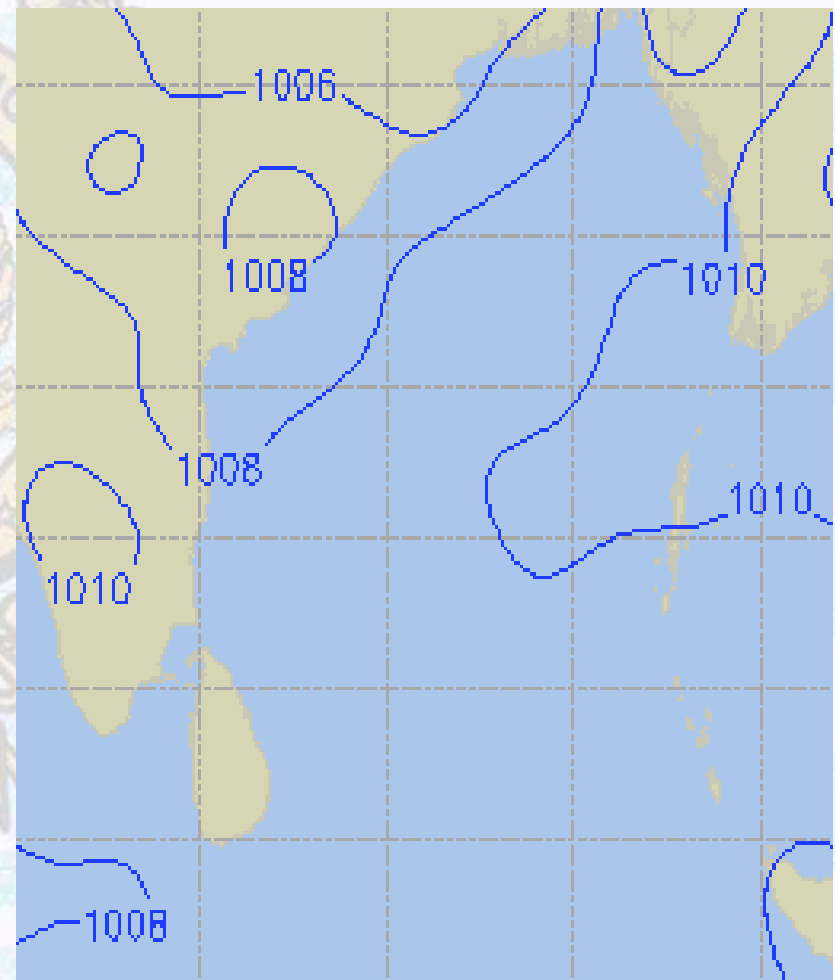


# Surface Pressure forecast – 22 & 23 Apr 2020

22 Apr 2020 Wednesday



23 Apr 2020 Thursday

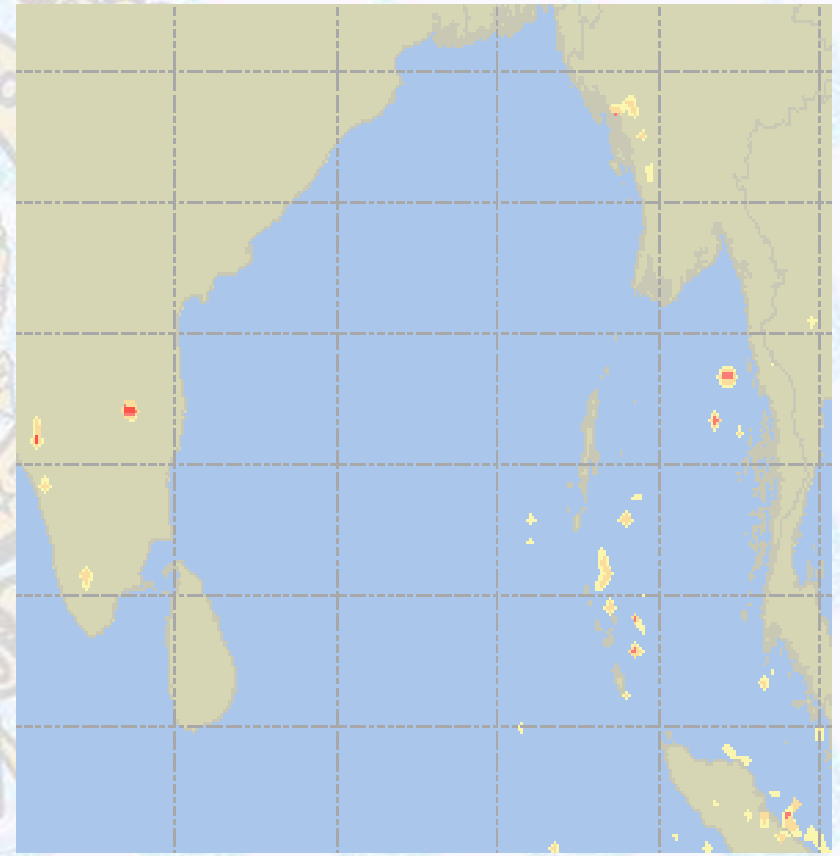
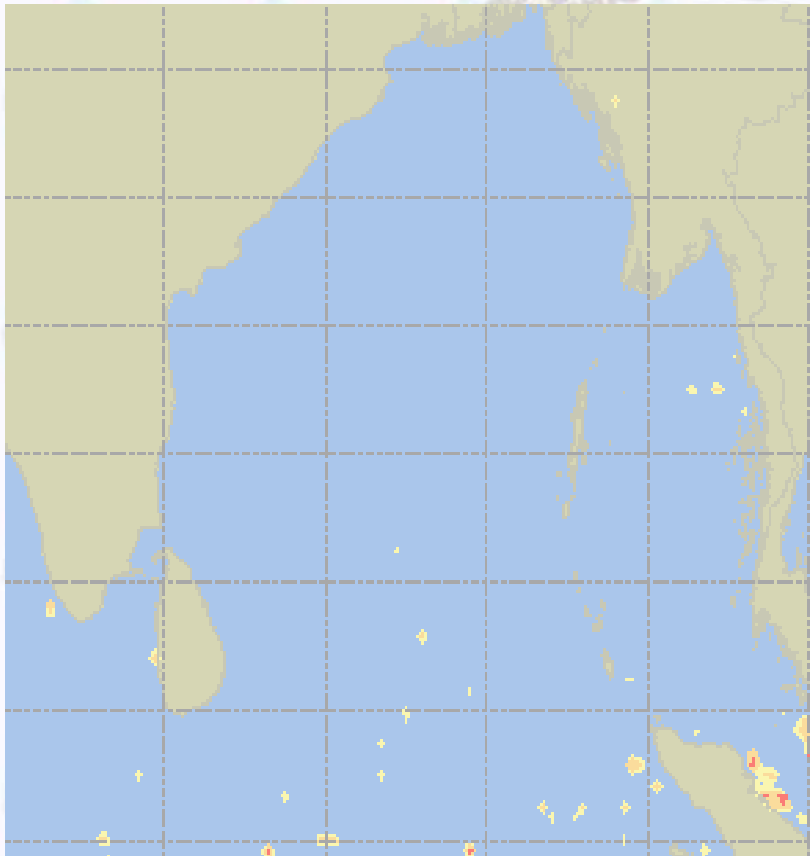




# Visibility at Sea Forecast – 22 & 23 Apr - 2020

22 Apr 2020 Wednesday

23 Apr 2020 Thursday



**Visibility Scale:**



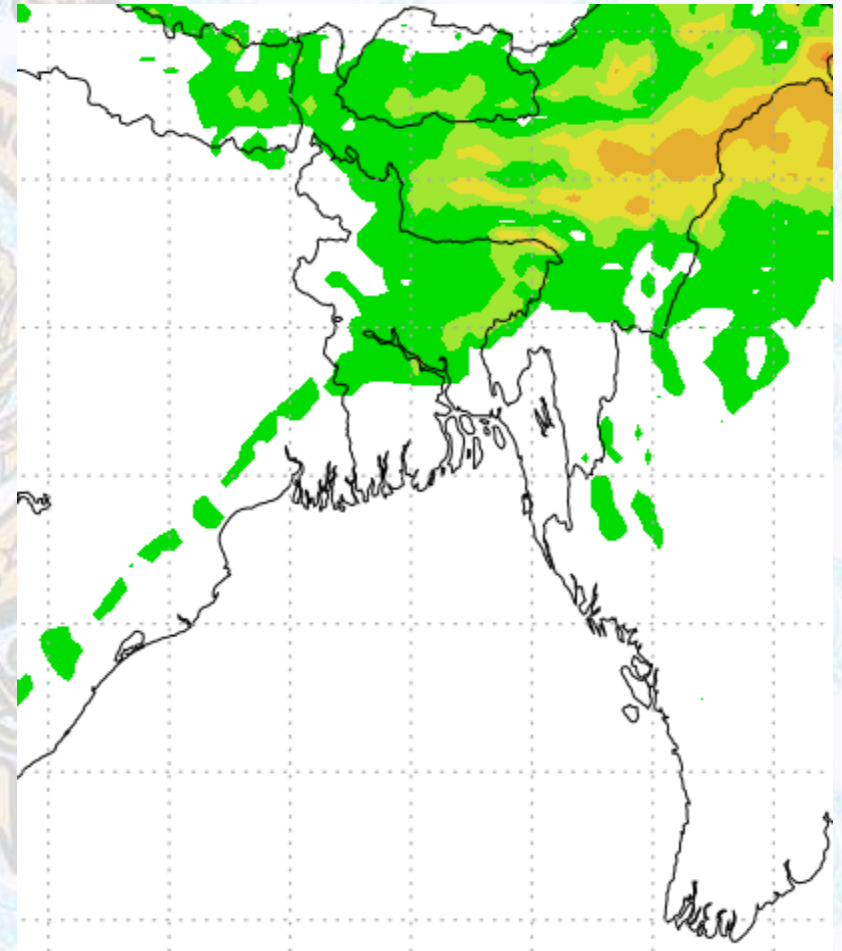
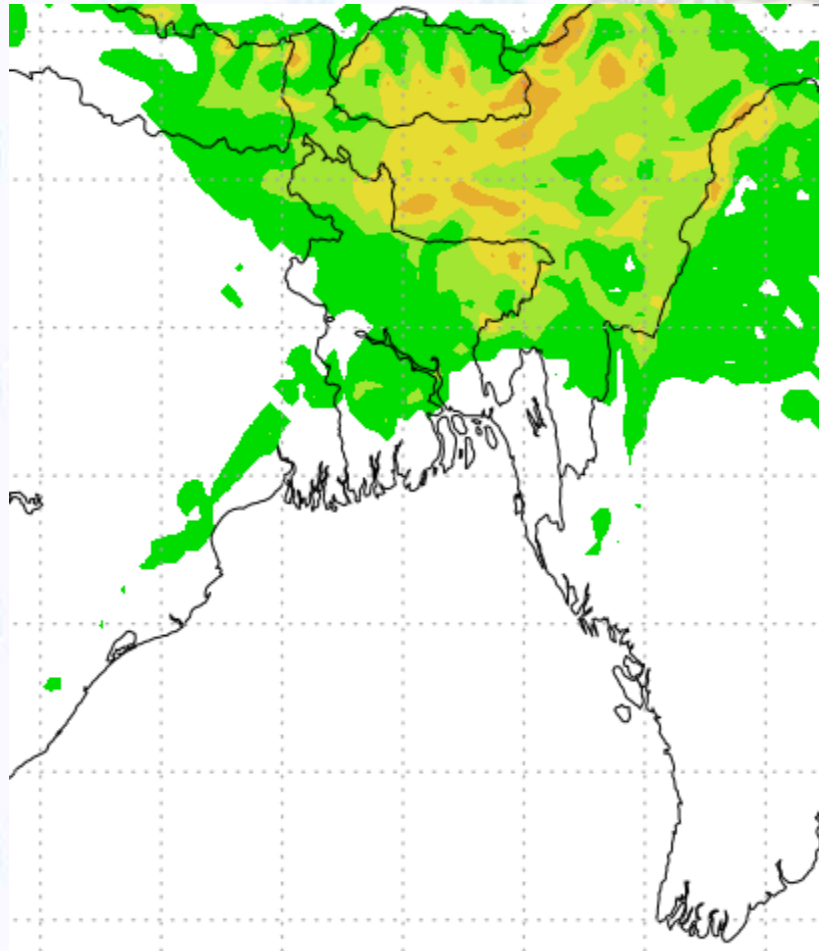
Ref (Slide 12-18): <http://www.weatheronline.co.uk/marine/weather?LEVEL>



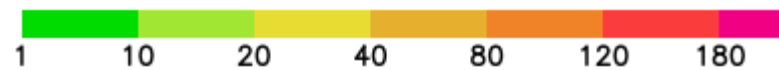
# Precipitation

Rain(mm) 22 & 23 Apr 2020

Rain(mm) 23 & 24 Apr 2020



**Precipitation Scale (mm):**





# Tidal Information

## KHAL NO. 10

## COX'S BAZAR

## HIRAN POINT

	Time	Height		Time	Height		Time	Height
<b>22 Apr 2020</b>	0038	4.39		0445	0.49		0424	0.55
	0704	0.55		1030	3.33		1031	2.94
	1256	4.55		1705	0.55		1645	0.66
	1921	0.61		2241	3.24		2239	2.79
<b>23 Apr 2020</b>	<b>Time</b>	<b>Height</b>		<b>Time</b>	<b>Height</b>		<b>Time</b>	<b>Height</b>
	0102	4.45		0516	0.41		0451	0.50
	0730	0.50		1100	3.42		1058	2.99
	1319	4.62		1736	0.50		1714	0.63
	1948	0.59		2311	3.26		2306	2.79
<b>24 Apr 2020</b>	<b>Time</b>	<b>Height</b>		<b>Time</b>	<b>Height</b>		<b>Time</b>	<b>Height</b>
	0127	4.47		0546	0.37		0518	0.48
	0755	0.47		1131	3.45		1124	3.00
	1341	4.64		1806	0.48		1743	0.64
	2015	0.60		2341	3.23		2334	2.76