



# WEATHER FORECAST FOR BN

*19 JULY - 22 JULY 2020*





# WEATHER FORECAST – DHAKA

## 19.07.2020

Hourly	2 PM	4 PM	8 PM	11 PM
Temp. / Dew Point	32/ 26	31 / 26	30 / 25	29 / 25
Wind	19 km/h SSW	18 km/h SSW	15 km/h S	15 km/h S
Humidity	70%	72%	78%	81%
Chance of Precip	24%	19%	38%	51%
Cloud Cover	87%	91%	93%	92%
Conditions	Cloudy	Cloudy/Light Rain	Cloudy/Light Rain	Cloudy/Light Rain
Sunrise Sunset	5: 22 AM 6: 47 PM			

### Conditions

Pressure : 1003 hpa

Visibility : 4.02 km

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





# WEATHER FORECAST – CHATTOGRAM

## 19.07.2020

Hourly	2 PM	4 PM	8 PM	11 PM
Temp. / Dew Point	29 / 27	29 / 27	28 / 26	28 / 26
Wind	15 km/h SSW	16 km/h S	14 km/h S	13 km/h SSE
Humidity	80%	87%	90%	92%
Chance of Precip.	36%	80%	62%	73%
Cloud Cover	95%	92%	91%	88%
Conditions	Cloudy/Light Rain	Cloudy/Light Rain	Cloudy/Light Rain	Cloudy/Light Rain
Sunrise Sunset	5: 19 AM 6: 39 PM			

### Conditions

Pressure : 1006 hpa

Visibility : 8.05 Km

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



# WEATHER FORECAST – KHULNA

## 19.07.2020

Hourly	2 PM	4 PM	8 PM	11 PM
Temp. / Dew Point	32 / 28	32 / 28	30 / 27	29 / 27
Wind	21 km/h SSW	20 km/h SSW	16 km/h SSW	15 km/h SSW
Humidity	79%	78%	84%	89%
Chance of Precip.	16%	13%	9%	24%
Cloud Cover	82%	80%	82%	89%
Conditions	Cloudy/Light Rain	Cloudy/Light Rain	Cloudy/Light Rain	Cloudy/Light Rain
Sunrise Sunset	5: 27 AM 6: 49 PM			

### Conditions

Pressure : 1003 hpa

Visibility : 14.48 Km

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





# GENERAL WEATHER FORECAST – DHAKA

Description	20 July 2020	21 July 2020	22 July 2020
<b>Temperature (C)</b>	31 °C/ 27 °C	30 °C/ 27 °C	30 °C/ 26 °C
<b>Summary</b>	Cloudy/Light Rain	Cloudy/Light Rain	Cloudy/Light Rain
<b>Sun Rise/Set</b>	5h22m42s/18h47m18s	5h23m00s/18h46m54s	5h23m24s/18h46m36s
<b>Day Length</b>	13h24m36s	13h23m54s	13h23m12s
<b>Moon Rise/ Set</b>	4:39 PM 6:39 AM	5:40 PM 7:31 AM	6:43 PM 8:19 AM
<b>Moon Phase/ illu</b>	New Moon, 0%	New Moon, 1%	Waxing Crescent, 5%
<b>NauticalTwilight</b>	0428,1941	0428,1940	0429,1940
<b>Civil Twilight</b>	0457,1911	0458,1911	0458,1904
<b>Humidity</b>	D : 80% N : 82%	D : 81% N : 85%	D : 82% N : 85%
<b>Barometer (mb)</b>	1003	1003	1004
<b>Visibility</b>	Moderate	Moderate	Moderate
<b>Precip Chance</b>	100%	100%	100%
<b>Wind (mph)</b>	19 Km/h SSW	18 Km/h SSW	15 Km/h SW

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



# GENERAL WEATHER FORECAST– CHATTOGRAM

Description	20 July 2020	21 July 2020	22 July 2020
<b>Temperature (C)</b>	29° C/ 26° C	29° C/ 26° C	28° C/ 26° C
<b>Summary</b>	Cloudy/ Light Rain	Cloudy/ Light Rain	Cloudy/ Light Rain
<b>Sun Rise/Set</b>	5h19m48s/18h38m48s	5h20m00s/18h38m24s	5h20m24s/18h38m12s
<b>Day Length</b>	13h19m00s	13h18m24s	13h17m48s
<b>Moon Rise/ Set</b>	4:36 PM 6:30 AM	5:37 PM 7:23 AM	6:39 PM 8:11 AM
<b>Moon Phase/ illu</b>	New Moon, 0%	New Moon, 1%	Waxing Crescent, 5%
<b>NauticalTwilight</b>	0426, 1931	0426, 1931	0427, 1930
<b>Civil Twilight</b>	0455, 1902	0455, 1902	0456, 1901
<b>Humidity</b>	D : 88% N : 93%	D : 89% N : 94%	D : 92% N : 94%
<b>Barometer (mb)</b>	1006	1006	1007
<b>Visibility</b>	Moderate	Moderate	Moderate
<b>Precip Chance</b>	80%	80%	100%
<b>Wind (mph)</b>	17 Km/h S	16 Km/h S	14 Km/h S

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





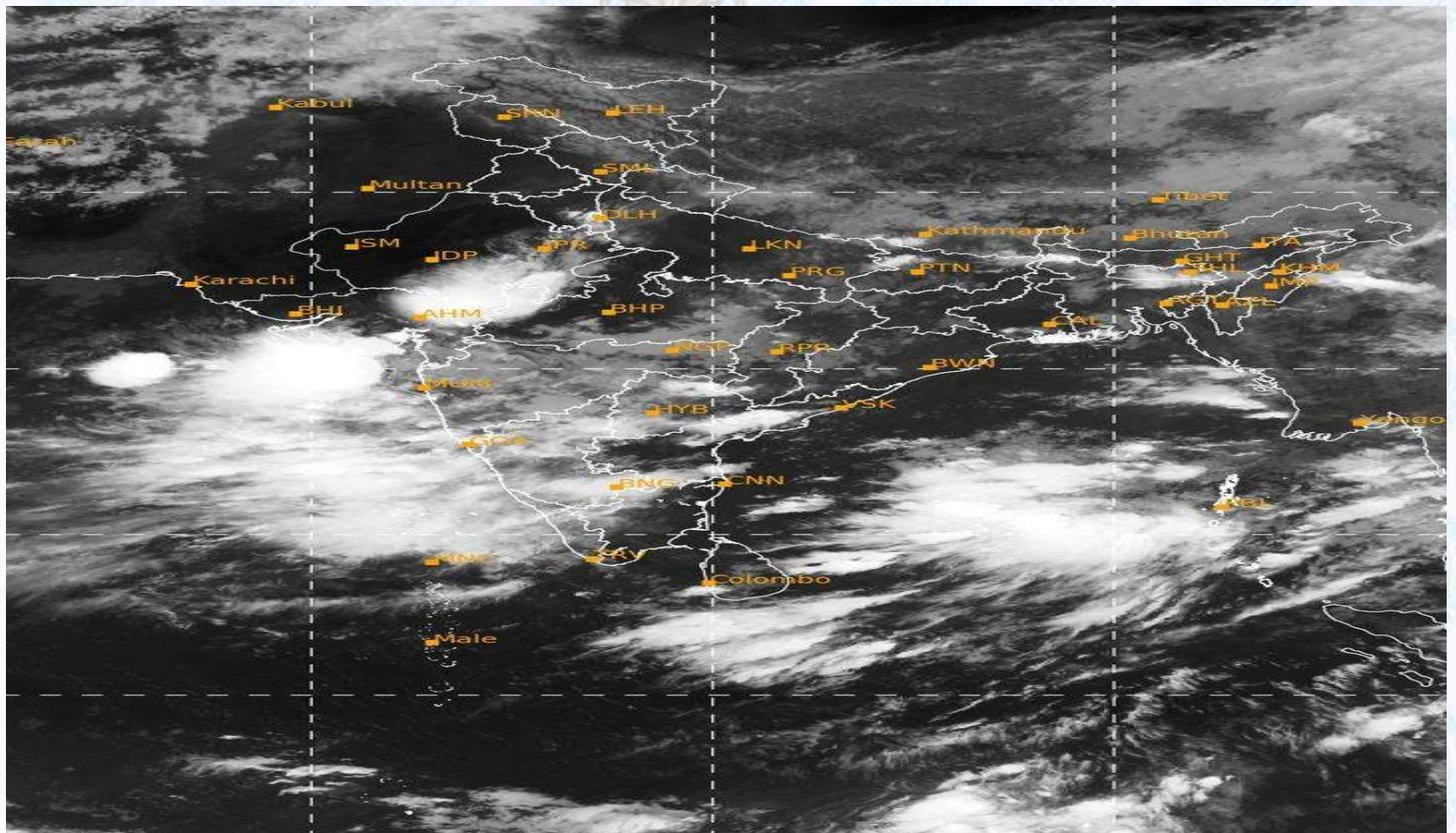
# GENERAL WEATHER FORECAST – KHULNA

Description	20 July 2020	21 July 2020	22 July 2020
<b>Temperature(C)</b>	31°C/ 27°C	31°C/ 27°C	30°C/ 26°C
<b>Summary</b>	Cloudy/ Light Rain	Cloudy/ Light Rain	Cloudy/ Light Rain
<b>Sun Rise/Set</b>	5h27m54s/18h48m54s	5h28m12s/18h48m30s	5h28m36s/18h48m12s
<b>Day Length</b>	13h21m00s	13h20m18s	13h19m36s
<b>Moon Rise/Set</b>	4:46 PM 6:40 AM	5:47 PM 7:33 AM	6:49 PM 8:22 AM
<b>Moon Phase/illu</b>	New Moon, 0%	New Moon, 1%	Waxing Crescent, 5%
<b>Nautical Twilight</b>	0434, 1942	0434, 1941	0435, 1941
<b>Civil Twilight</b>	0503, 1912	0503, 1912	0504, 1912
<b>Humidity</b>	D : 80% N : 83%	D : 84% N : 87%	D : 85% N : 89%
<b>Barometer (mb)</b>	1003	1003	1004
<b>Visibility</b>	Moderate	Moderate	Moderate
<b>Precip Chance</b>	100%	100%	100%
<b>Wind (mph)</b>	21 km/h SSW	19 km/h SSW	14 km/h SW

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



# SATELLITE VIEW OF BAY OF BENGAL



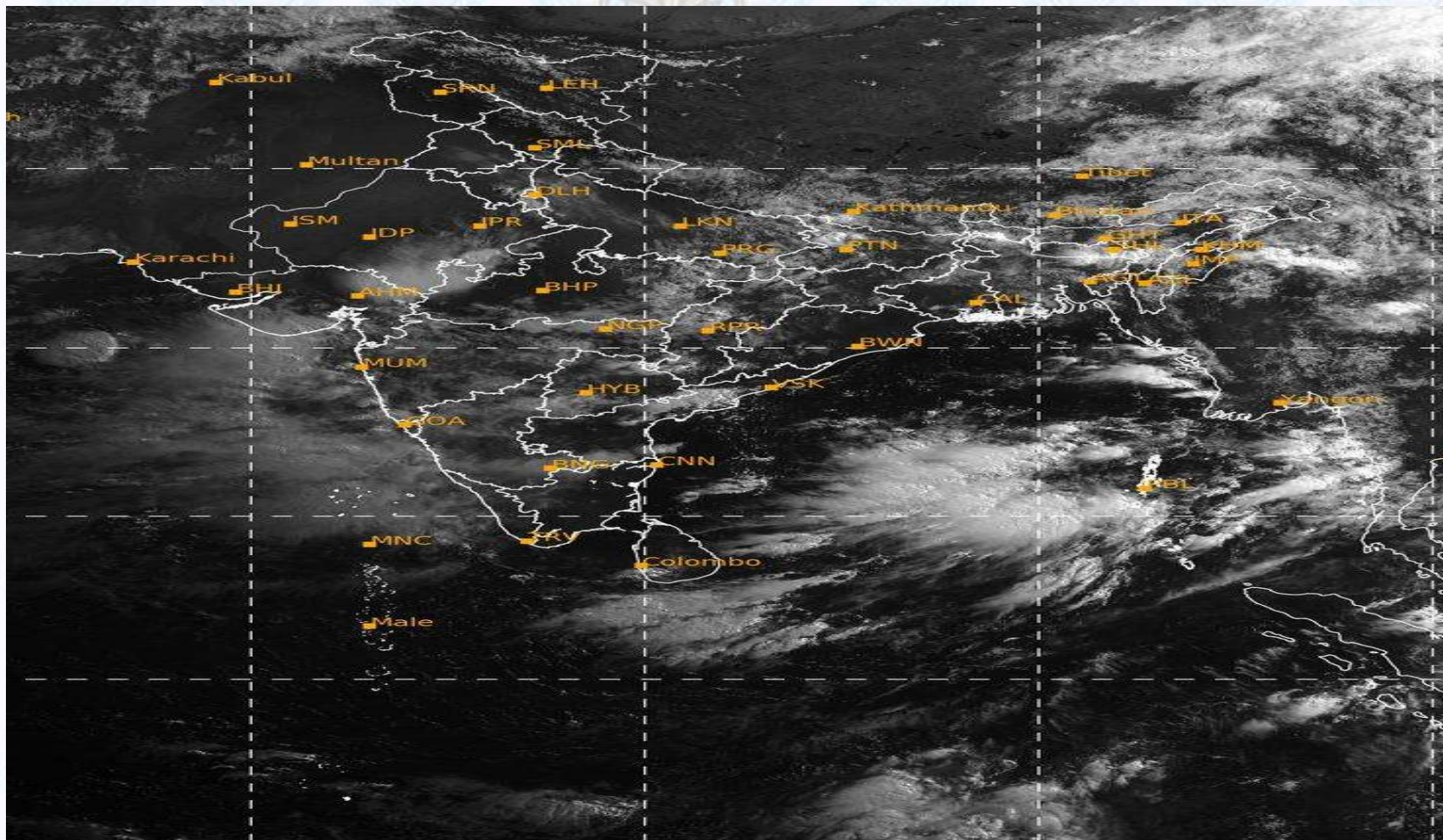
19/07/2020, 11:00 UTC MATSAT-IR

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





# SATELLITE VIEW OF BAY OF BENGAL



19/07/2020, 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 19.07.2020)

<b>Part One</b>	NO STORM WARNING.	
<b>Part Two</b>	TROUGH OF LOW LIES OVER NORTH BAY. MONSOON IS WEAK TO MODERATE OVER NORTH BAY.	
<b>Part Three</b>	Weather	TEMPORARY RAIN/T. SHOWERS OVER AREA C-90.
	Wind	SOUTH/SOUTH-WESTERLY 8-12KTS, 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 = 0000 UTC. CHATTOGRAM =1005 HPA





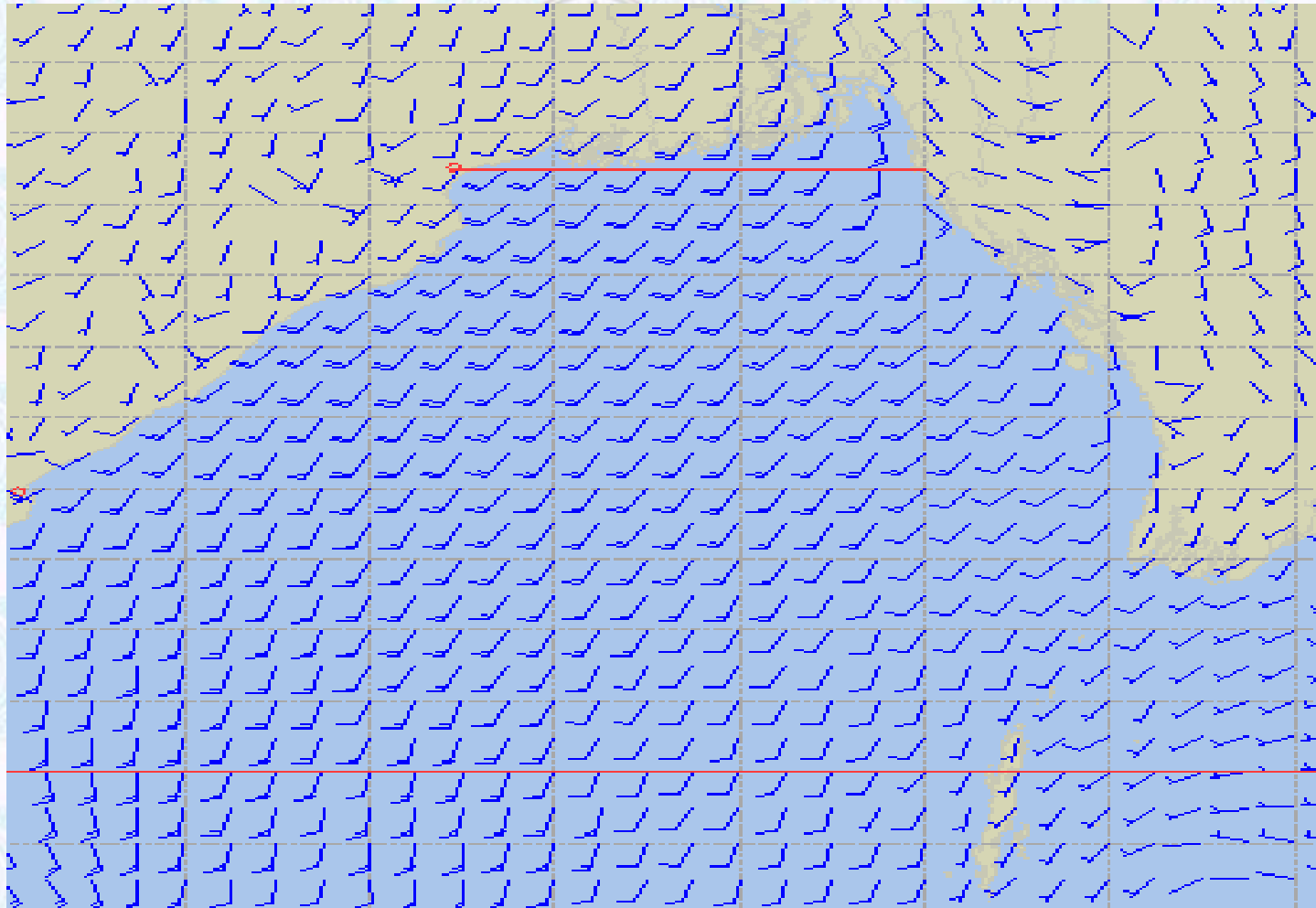
# **Inland River Port Warning** **(VALID TILL 07 PM OF 19.07.2020)**

RAIN/THUNDER SHOWERS ACCOMPANIED BY TEMPORARY SOUTH/SOUTH-EASTERLY GUSTY/SQUALLY WIND SPEED 45-60 KPH IS LIKELY TO OCCUR OVER THE REGIONS OF RANGPUR, DINAJPUR, RAJSHAHI, PABNA, BOGURA, TANGAIL, MYMENSINGH, DHAKA, FARIDPUR, MADARIPUR, JASHORE, KUSTIA, KHULNA, BARISHAL, NOAKHALI, PATUAKHALI, CUMILLA, CHATTOGRAM, COXS BAZAR AND SYLHET WHEREIN RIVERPORTS SHALL HOIST CAUTIONARY SIGNAL NO. ONE (R) ONE.

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



# Surface Wind Forecast- 20 July- 2020



**Legend:**



**Calm  
Winds**



**5 Knots**



**10 Knots**



**60 Knots**

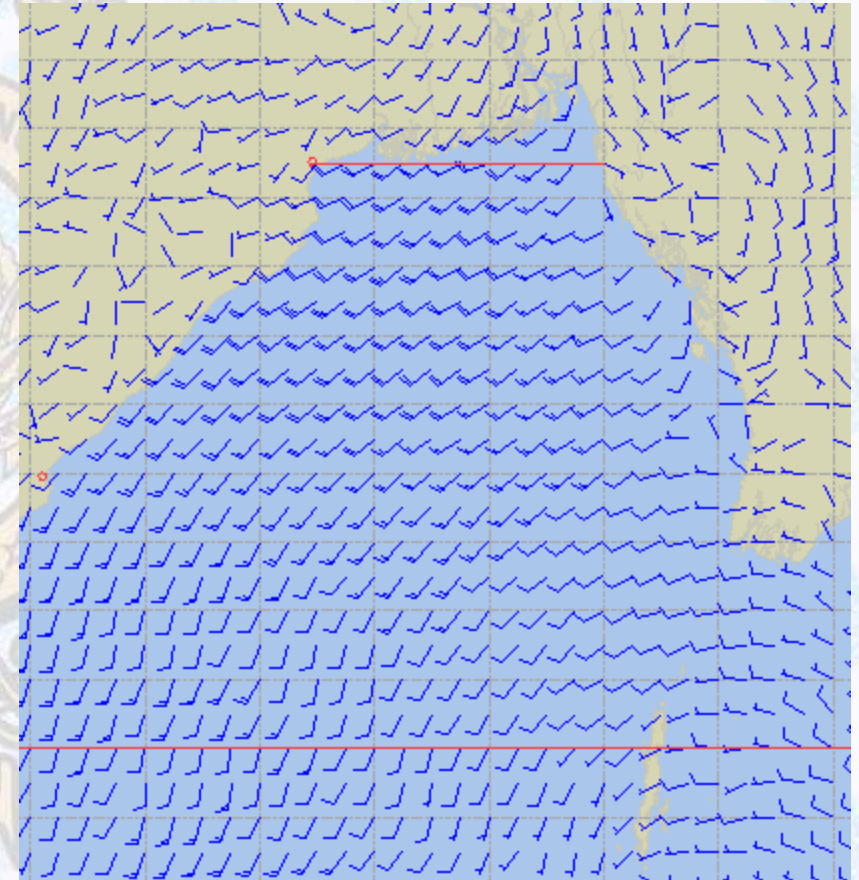
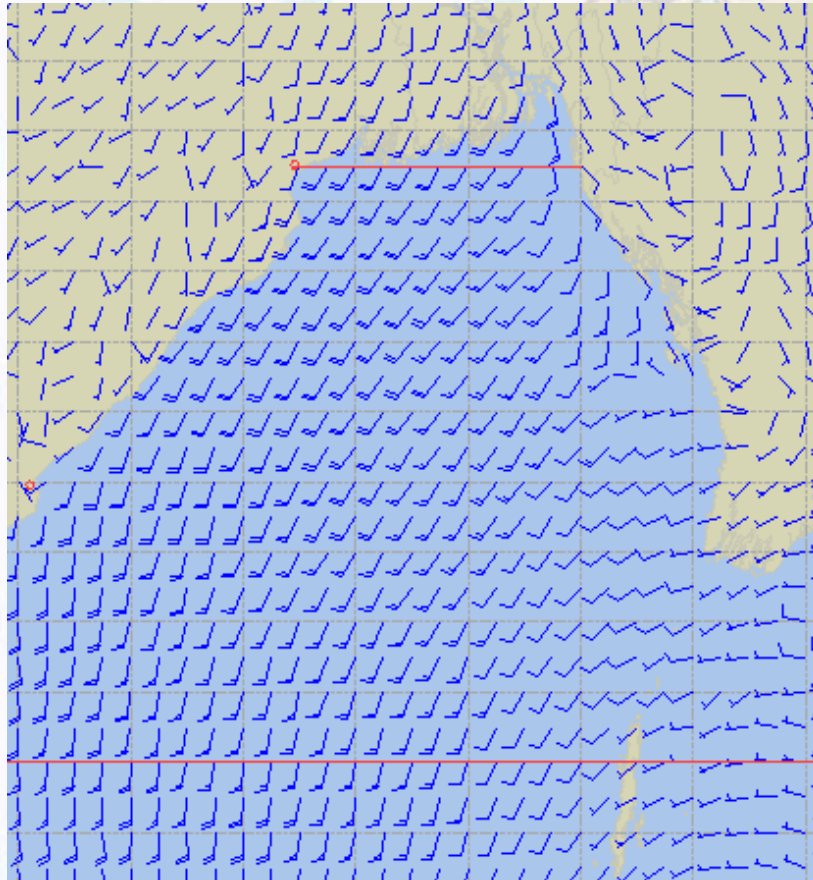




# Surface Wind Forecast – 21 & 22 July - 2020

21 July 2020 Tuesday

22 July 2020 Wednesday



**Legend:**



**Calm  
Winds**



**5 Knots**



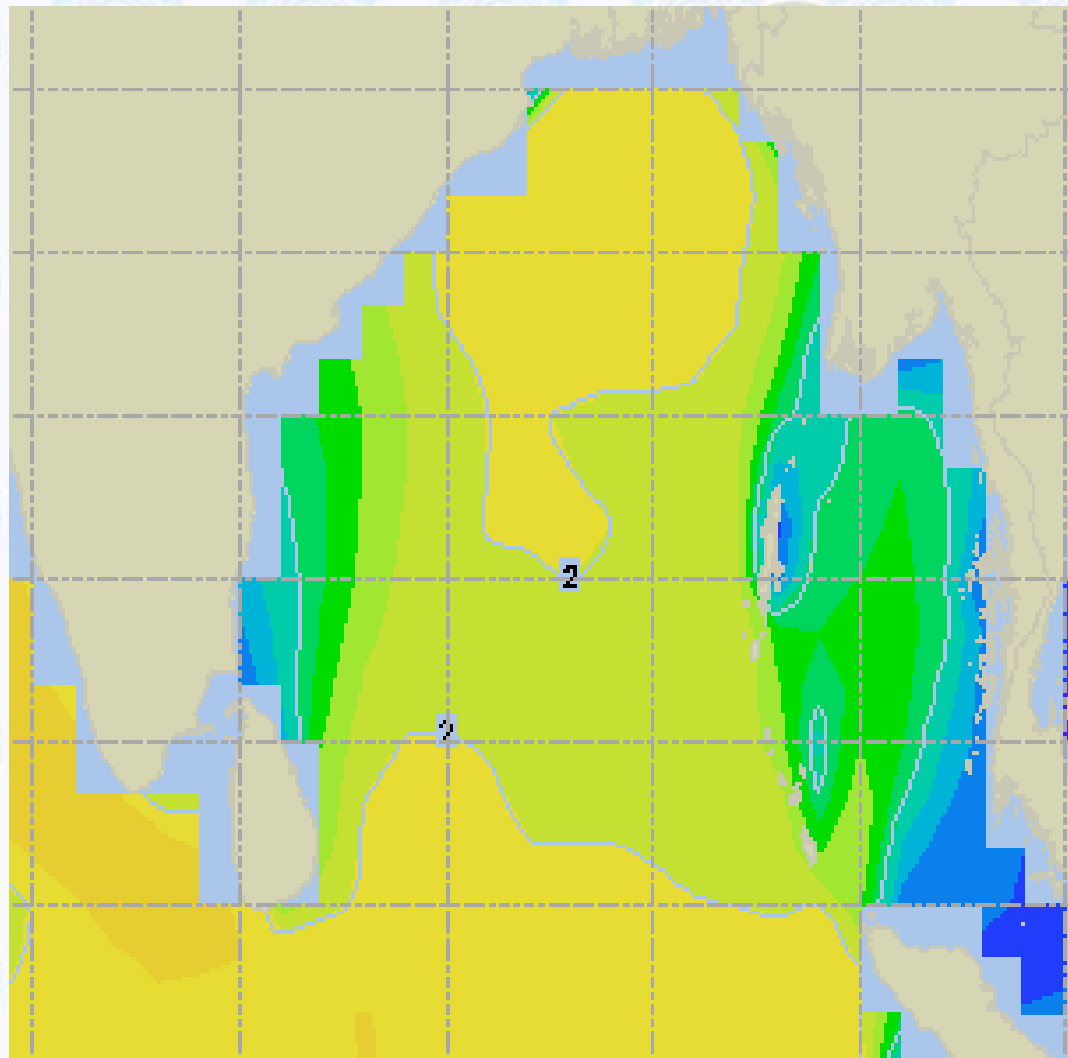
**10 Knots**



**60 Knots**



# Sea State Forecast – 20 July- 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



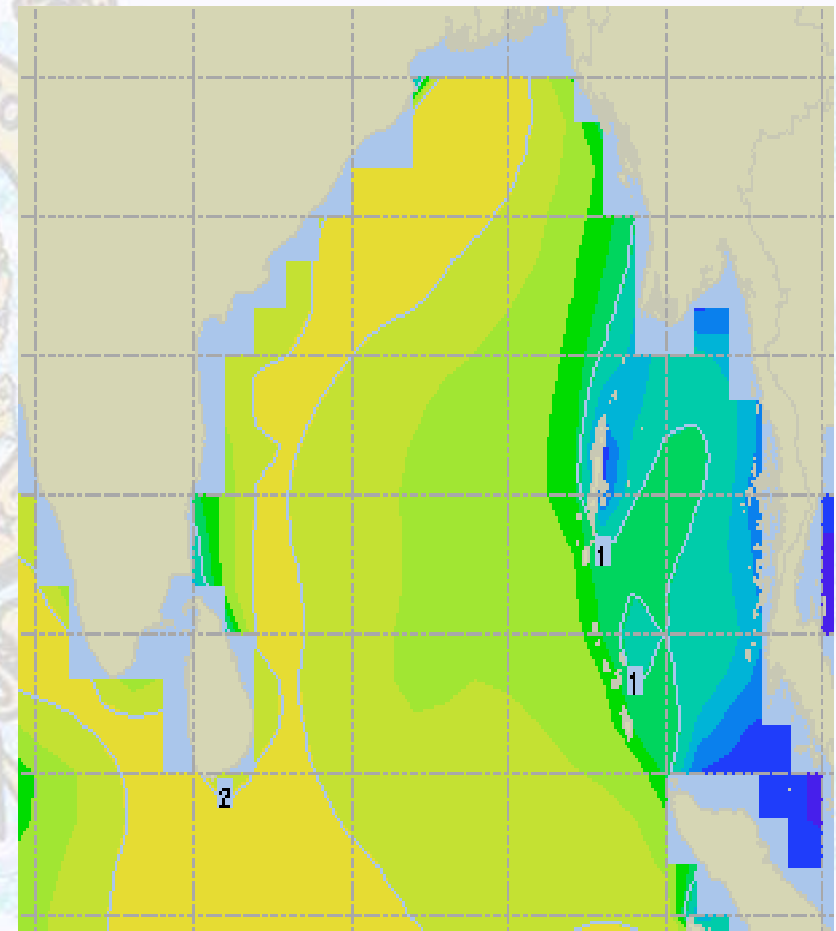
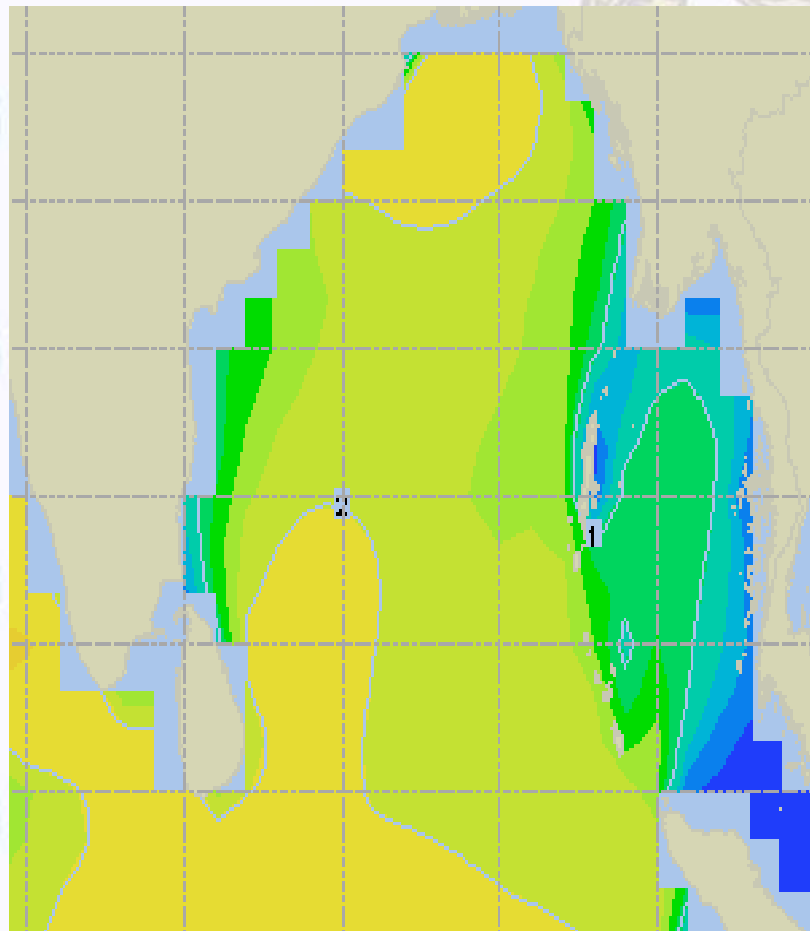




# Sea State Forecast – 21 & 22 July - 2020

21 July 2020 Tuesday

22 July 2020 Wednesday

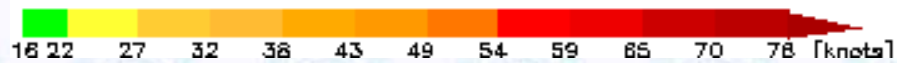
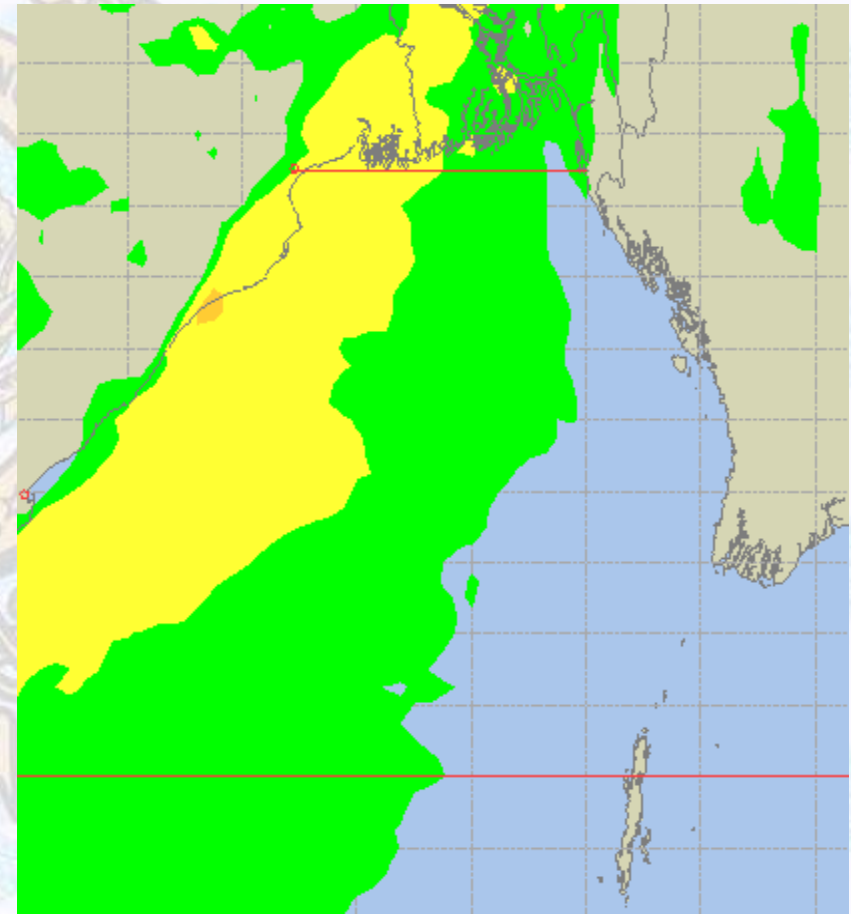
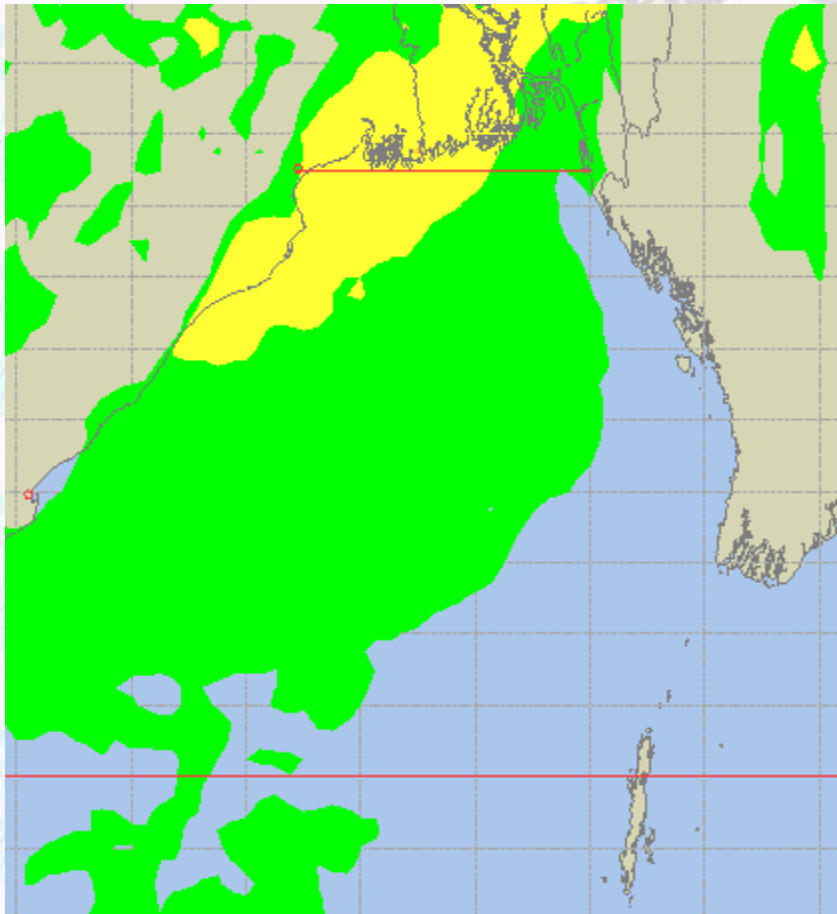




# Peak Gusting Possibilities— 20 & 21 July 2020

20 July 2020 Monday

21 July 2020 Tuesday



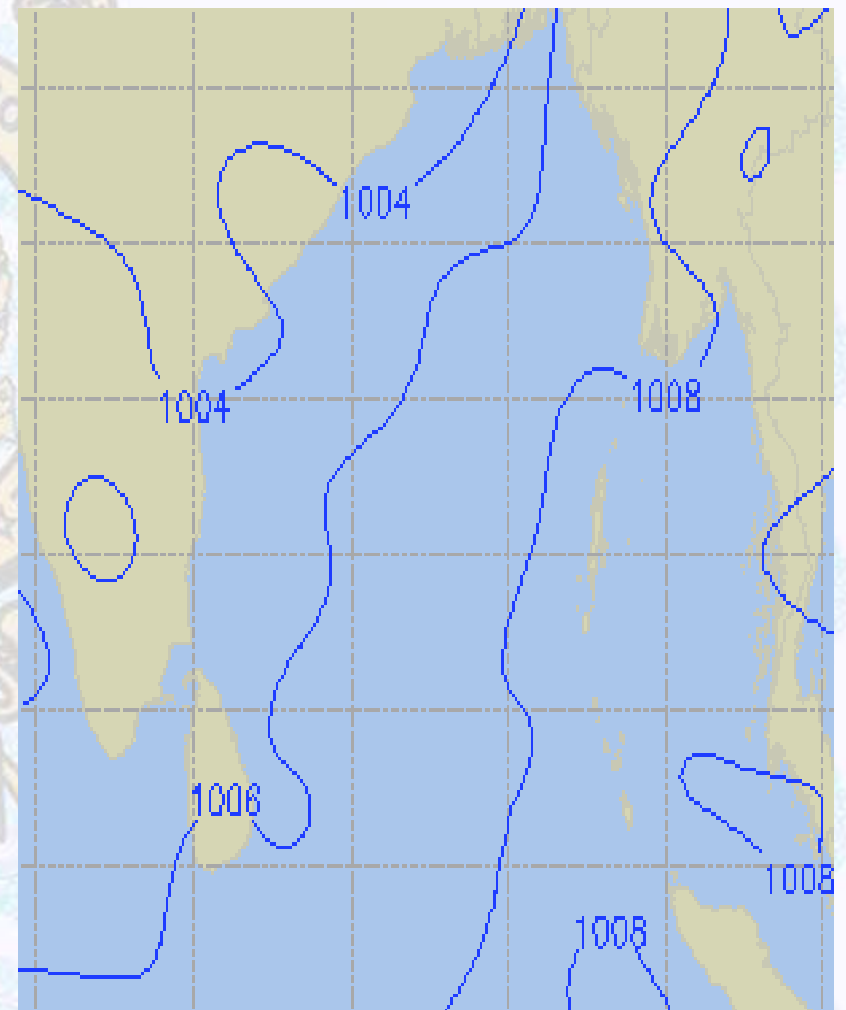
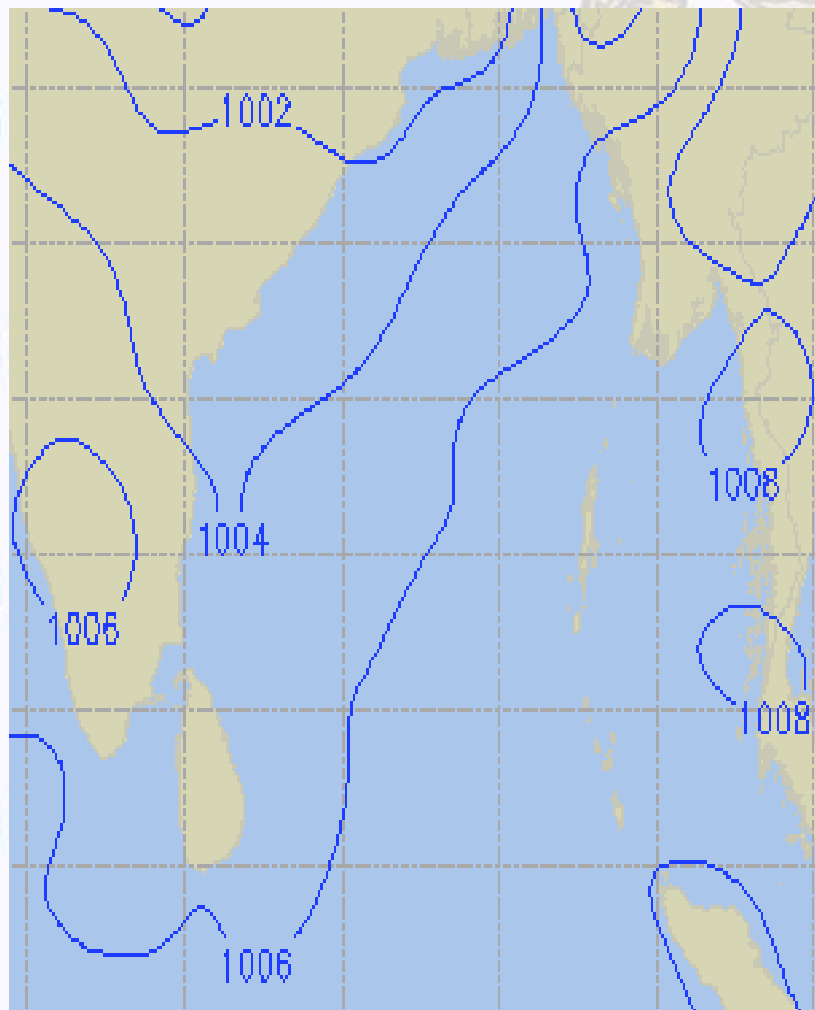




# Surface Pressure forecast– 20 & 21 July 2020

20 July 2020 Monday

21 July 2020 Tuesday

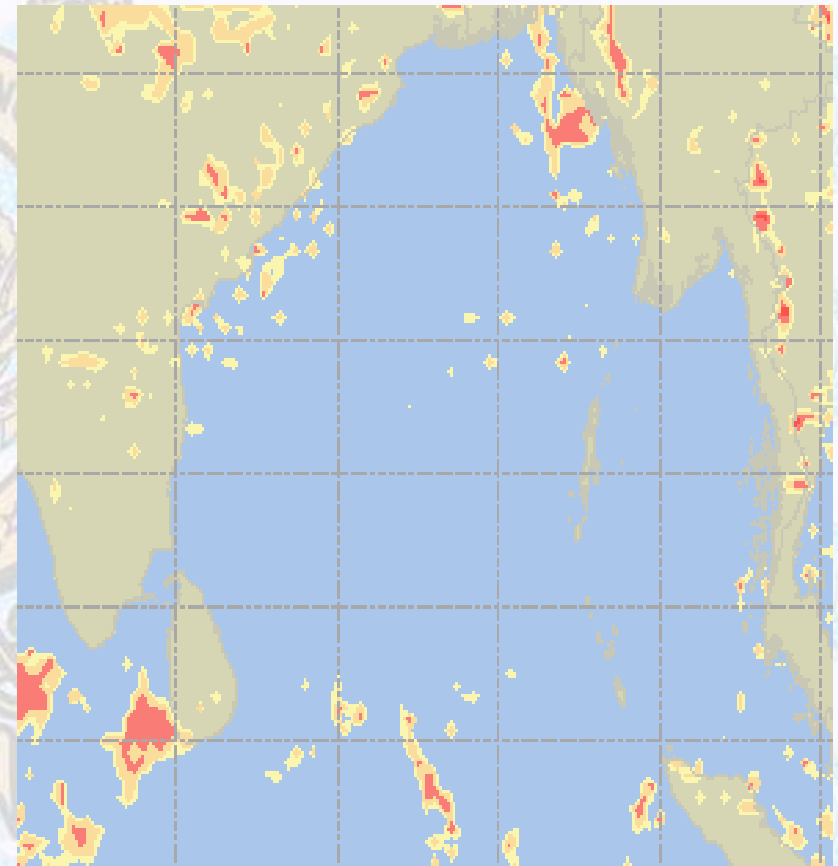
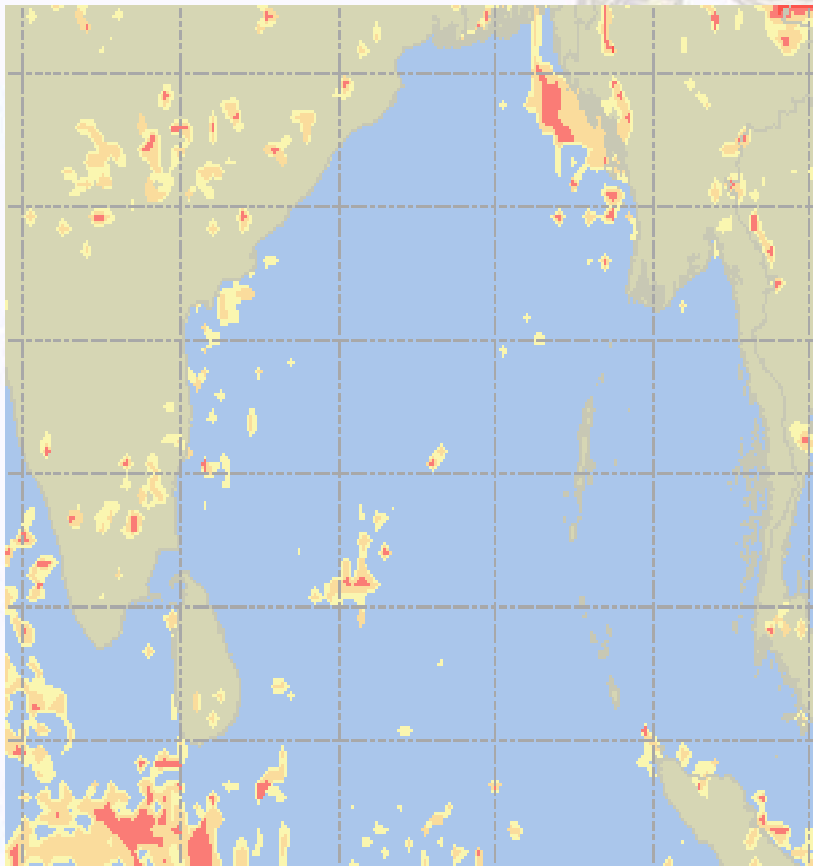




# Visibility at Sea Forecast – 20 & 21 July- 2020

20 July 2020 Monday

21 July 2020 Tuesday



**Visibility Scale:**



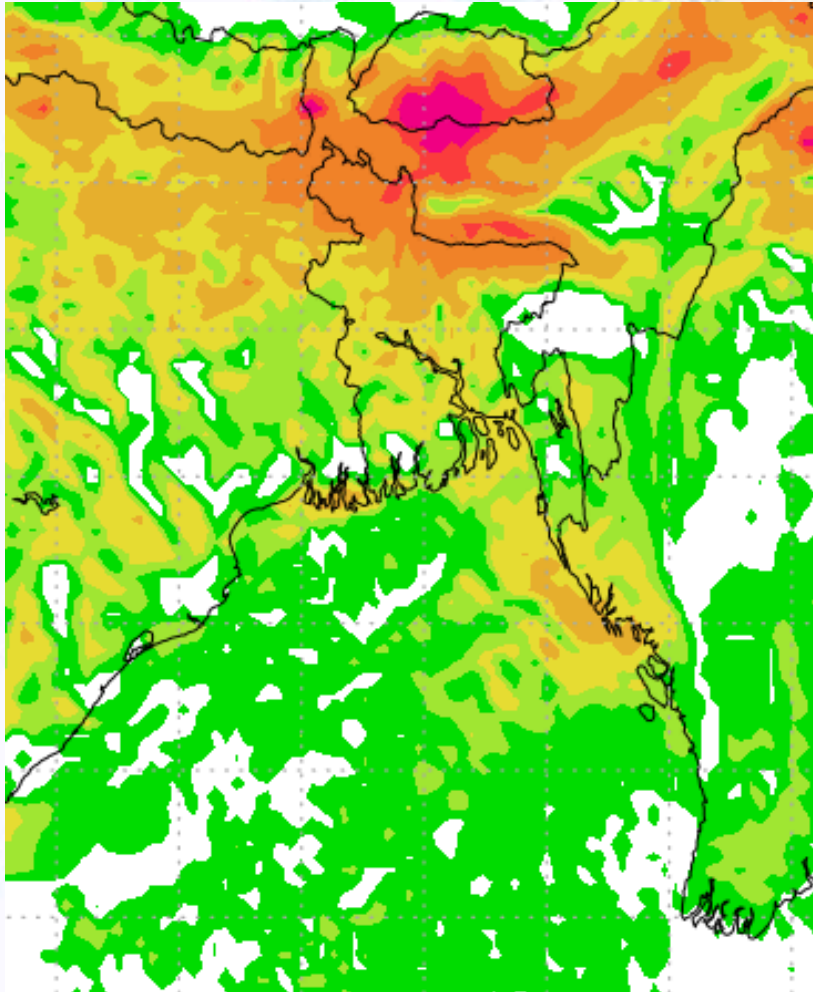
Ref (Slide 12-18): <http://www.weatheronline.co.uk/marine/weather?LEVEL>



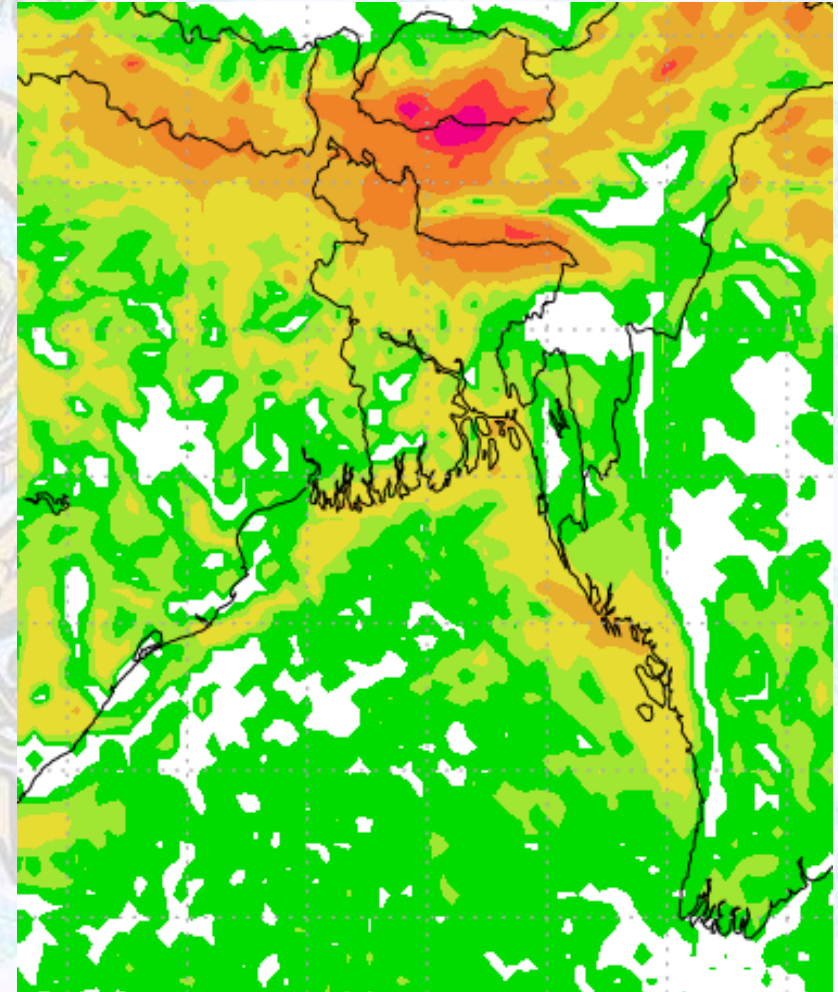


# Precipitation

Rain(mm) 20 & 21 July 2020



Rain(mm) 21 & 22 July 2020



Precipitation Scale (mm):





# Tidal Information

## KHAL NO. 10

## COX'S BAZAR

## HIRAN POINT

	Time	Height		Time	Height		Time	Height
19 July 2020	0602	1.15		0352	1.23		0315	1.18
	1203	5.17		0945	3.66		0932	3.26
	1846	1.16		1623	1.21		1608	1.28
	-	-		2159	3.36		2155	2.96
20 July 2020	Time	Height		Time	Height		Time	Height
	0031	4.77		0436	1.11		0402	1.05
	0647	1.03		1025	3.82		1014	3.37
	1242	5.31		1704	1.13		1650	1.14
	1927	1.06		2237	3.50		2237	3.08
21 July 2020	Time	Height		Time	Height		Time	Height
	0108	4.92		0517	1.03		0446	0.95
	0729	0.93		1104	3.93		1053	3.46
	1319	5.43		1745	1.07		1730	1.03
	2007	0.98		2315	3.59		2317	3.16