



# **WEATHER FORECAST FOR BN**

***13 AUG- 16 AUG 2020***



# WEATHER FORECAST – DHAKA

## 13.08.2020

Hourly	2 PM	4 PM	8 PM	11 PM
Temp. / Dew Point	33 / 26	33 / 26	30 / 25	29 / 25
Wind	17 km/h SSE	17 km/h SSE	12 km/h SE	11 km/h SE
Humidity	74%	72%	78%	80%
Chance of Precip	12%	13%	14%	20%
Cloud Cover	43%	47%	66%	81%
Conditions	Cloudy	Cloudy	Cloudy	Cloudy
Sunrise Sunset	5: 32 AM 6: 33 PM			

### Conditions

Pressure : 1001 hpa

Visibility : 4.02 km

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





# WEATHER FORECAST – CHATTOGRAM

## 13.08.2020

Hourly	2 PM	4 PM	8 PM	11 PM
Temp. / Dew Point	32 / 27	31 / 27	29 / 27	29 / 26
Wind	14 km/h S	15 km/h S	15 km/h SE	15 km/h SE
Humidity	82%	82%	89%	80%
Chance of Precip.	16%	18%	20%	20%
Cloud Cover	81%	70%	77%	80%
Conditions	Cloudy	Cloudy	Cloudy	Cloudy
Sunrise Sunset	5: 29 AM 6: 25 PM			

### Conditions

Pressure : 1001 hpa

Visibility : 8.27 Km

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



# WEATHER FORECAST – KHULNA

## 13.08.2020

Hourly	2 PM	4 PM	8 PM	11 PM
Temp. / Dew Point	33 / 28	33 / 28	30 / 27	29 / 27
Wind	19 km/h SE	18 km/h SE	11 km/h ESE	9 km/h E
Humidity	82%	82%	90%	92%
Chance of Precip.	42%	21%	18%	19%
Cloud Cover	82%	73%	77%	72%
Conditions	Cloudy/ Light Rain	Cloudy	Cloudy	Cloudy
Sunrise Sunset	5: 37 AM 6: 35 PM			

### Conditions

Pressure : 1000 hpa

Visibility : 16.48 Km

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





# GENERAL WEATHER FORECAST – DHAKA

Description	14 August 2020	15 August 2020	16 August 2020
<b>Temperature (C)</b>	33 °C/ 27 °C	31 °C/ 27 °C	30 °C/ 27 °C
<b>Summary</b>	Cloudy	Cloudy/ Light Rain	Cloudy/ Light Rain
<b>Sun Rise/Set</b>	5h33m18s/18h32m24s	5h33m36s/18h31m42s	5h33m54s/18h31m00s
<b>Day Length</b>	12h59m06s	12h58m06s	12h57m06s
<b>Moon Rise/ Set</b>	12:43AM 2:32PM	1:31AM 3:30PM	2:24AM 4:25PM
<b>Moon Phase/ illu</b>	Waning Crescent, 22%	Waning Crescent, 14%	Waning Crescent, 7%
<b>NauticalTwilight</b>	0441,1923	0442,1922	0442,1923
<b>Civil Twilight</b>	0509,1855	0510,1855	0511,1855
<b>Humidity</b>	D : 72%    N : 80%	D : 78%    N : 83%	D : 79%    N : 84%
<b>Barometer (mb)</b>	998	997	997
<b>Visibility</b>	Moderate	Moderate	Moderate
<b>Precip Chance</b>	50%	80%	90%
<b>Wind (mph)</b>	20 Km/h SE	26 Km/h SE	24 Km/h SE

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



# GENERAL WEATHER FORECAST– CHATTOGRAM

Description	14 August 2020	15 August 2020	16 August 2020
<b>Temperature (C)</b>	32 °C/ 26 °C	29 °C/ 26 °C	29 °C/ 26 °C
<b>Summary</b>	Cloudy/ Light Rain	Cloudy/ Light Rain	Rain
<b>Sun Rise/Set</b>	5h29m24s/18h24m42s	5h29m42s/18h24m06s	5h30m00s/18h23m30s
<b>Day Length</b>	12h55m18s	12h54m24s	12h53m23s
<b>Moon Rise/ Set</b>	12:40AM 2:24PM	1:28AM 3:20PM	2:21AM 4:16PM
<b>Moon Phase/ illu</b>	Waning Crescent, 22%	Waning Crescent, 14%	Waning Crescent, 7%
<b>NauticalTwilight</b>	0438, 1915	0438, 1916	0438, 1917
<b>Civil Twilight</b>	0506, 1847	0505, 1848	0504, 1848
<b>Humidity</b>	D : 80% N : 90%	D : 90% N : 92%	D : 90% N : 93%
<b>Barometer (mb)</b>	1002	1000	999
<b>Visibility</b>	Moderate	Moderate	Moderate
<b>Precip Chance</b>	80%	90%	100%
<b>Wind (mph)</b>	23 Km/h SSE	28 Km/h SSE	24 Km/h SSE

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





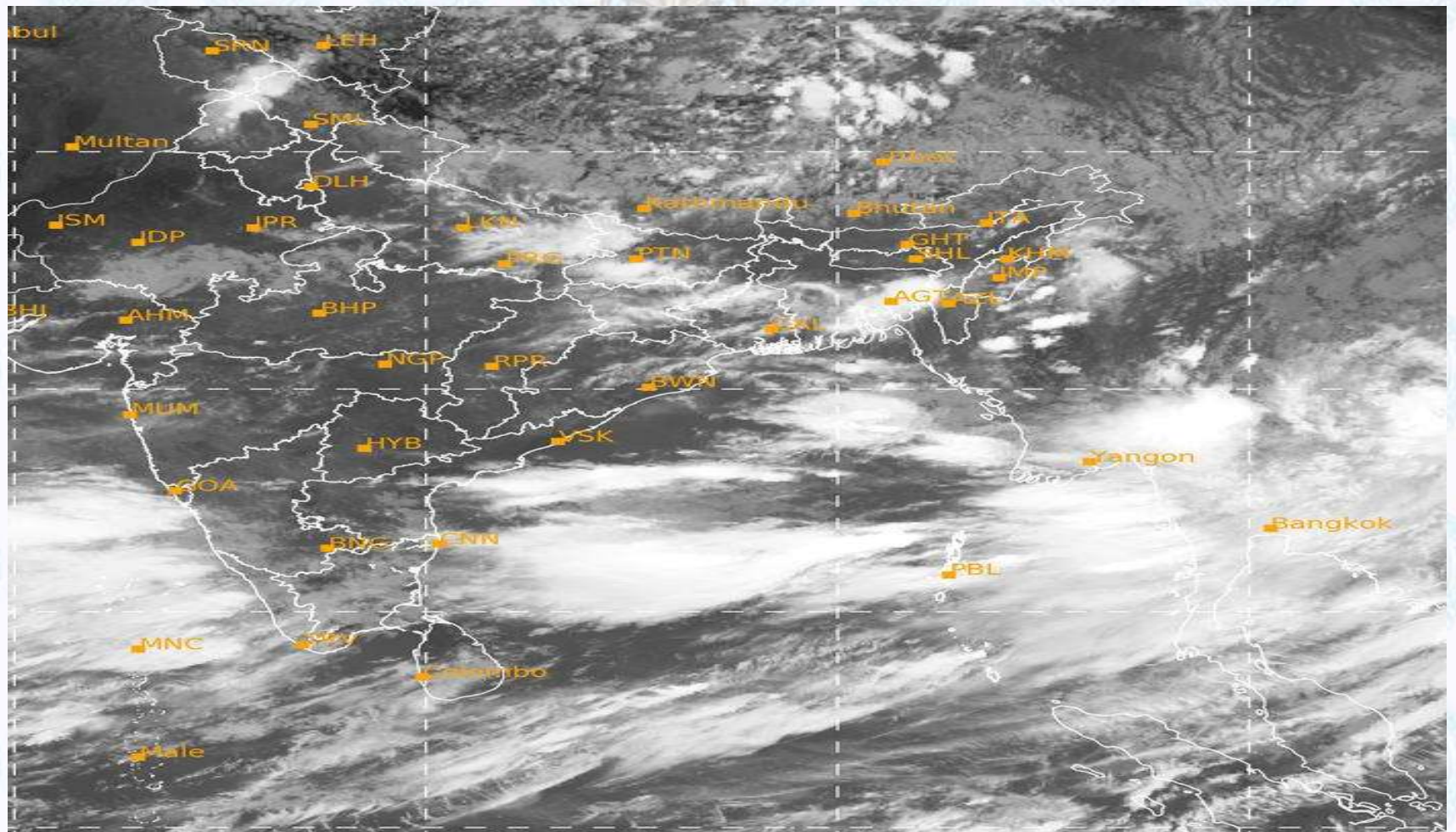
# GENERAL WEATHER FORECAST – KHULNA

Description	14 August 2020	15 August 2020	16 August 2020
<b>Temperature(C)</b>	32°C/ 27°C	31°C/ 27°C	31°C/ 27°C
<b>Summary</b>	Cloudy/ Light Rain	Cloudy/ Light Rain	Rain
<b>Sun Rise/Set</b>	5h37m54s/18h34m30s	5h38m18s/18h33m48s	5h38m30s/18h33m12s
<b>Day Length</b>	12h56m36s	12h55m30s	12h54m42s
<b>Moon Rise/Set</b>	12:50AM 2:34PM	1:38AM 3:31PM	2:31AM 4:27PM
<b>Moon Phase/illu</b>	Waning Crescent, 22%	Waning Crescent, 14%	Waning Crescent, 7%
<b>Nautical Twilight</b>	0447, 1925	0447, 1924	0447, 1924
<b>Civil Twilight</b>	0514, 1857	0515, 1857	0515, 1857
<b>Humidity</b>	D : 83%    N : 88%	D : 88%    N : 90%	D : 88%    N : 90%
<b>Barometer (mb)</b>	997	996	996
<b>Visibility</b>	Moderate	Moderate	Moderate
<b>Precip Chance</b>	80%	80%	90%
<b>Wind (mph)</b>	19 km/h ESE	19 km/h SE	17 km/h S

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



# SATELLITE VIEW OF BAY OF BENGAL



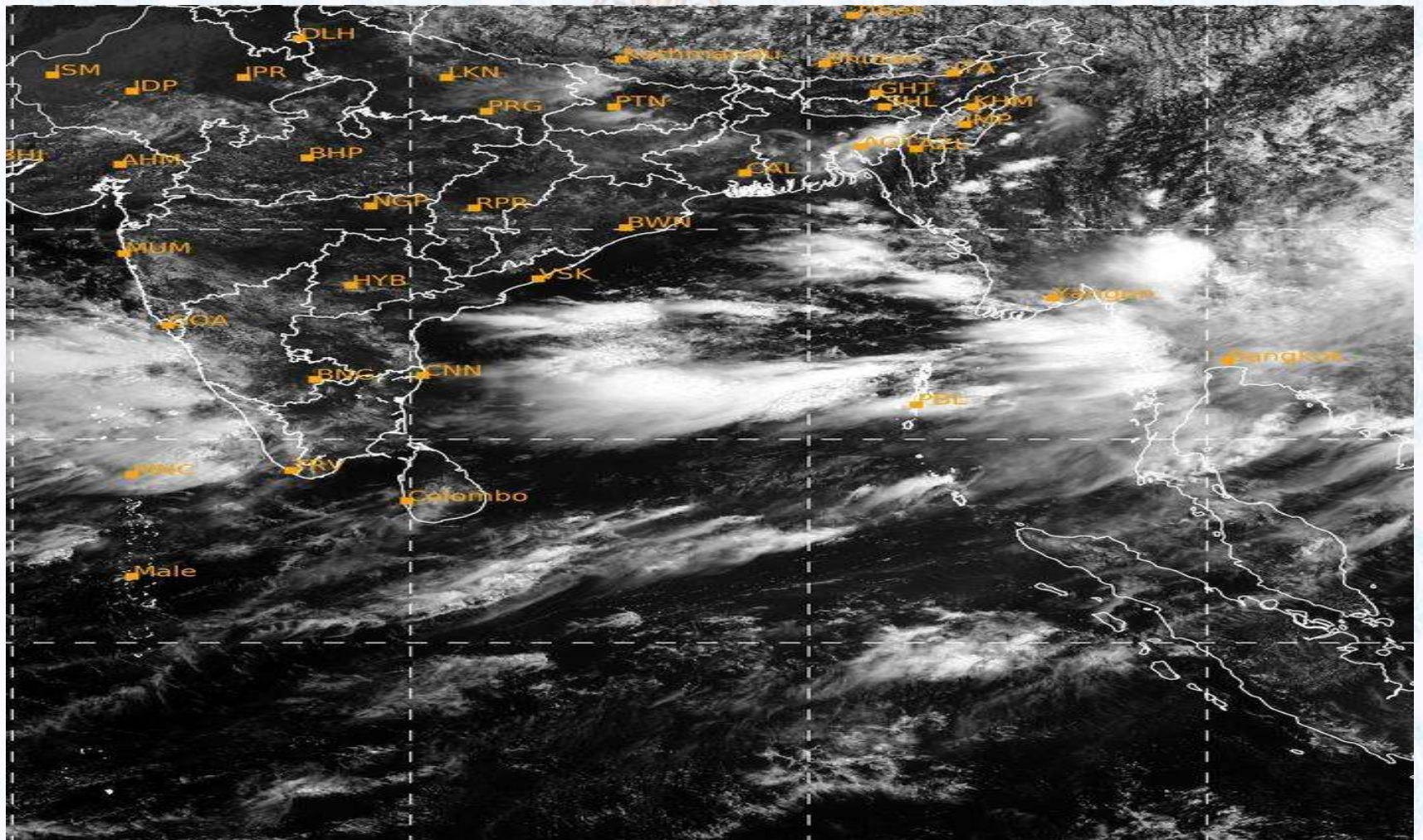
13/08/2020, 11:00 UTC MATSAT-IR

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





# SATELLITE VIEW OF BAY OF BENGAL



13/08/2020, 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 13.08.2020)

<b>Part One</b>	WARNING BAY OF BENGAL..	
<b>Part Two</b>	A LOW HAS FORMED OVER NORTH WEST BAY AND ADJOINING NORTH-ODISHA-GANGETIC WEST BENGAL COST. MONSOON IS FAIRLY ACTIVE OVER BANGLADESH AND MODERATE OVER NORTH BAY.	
<b>Part Three</b>	Weather	RAIN/THUNDER SHOWERS OVER AREA C-90.
	Wind	SOUTH-EAST/EASTERLY, 12-18 KTS, TEMPORARY GUSTING TO 28 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 =1002 HPA





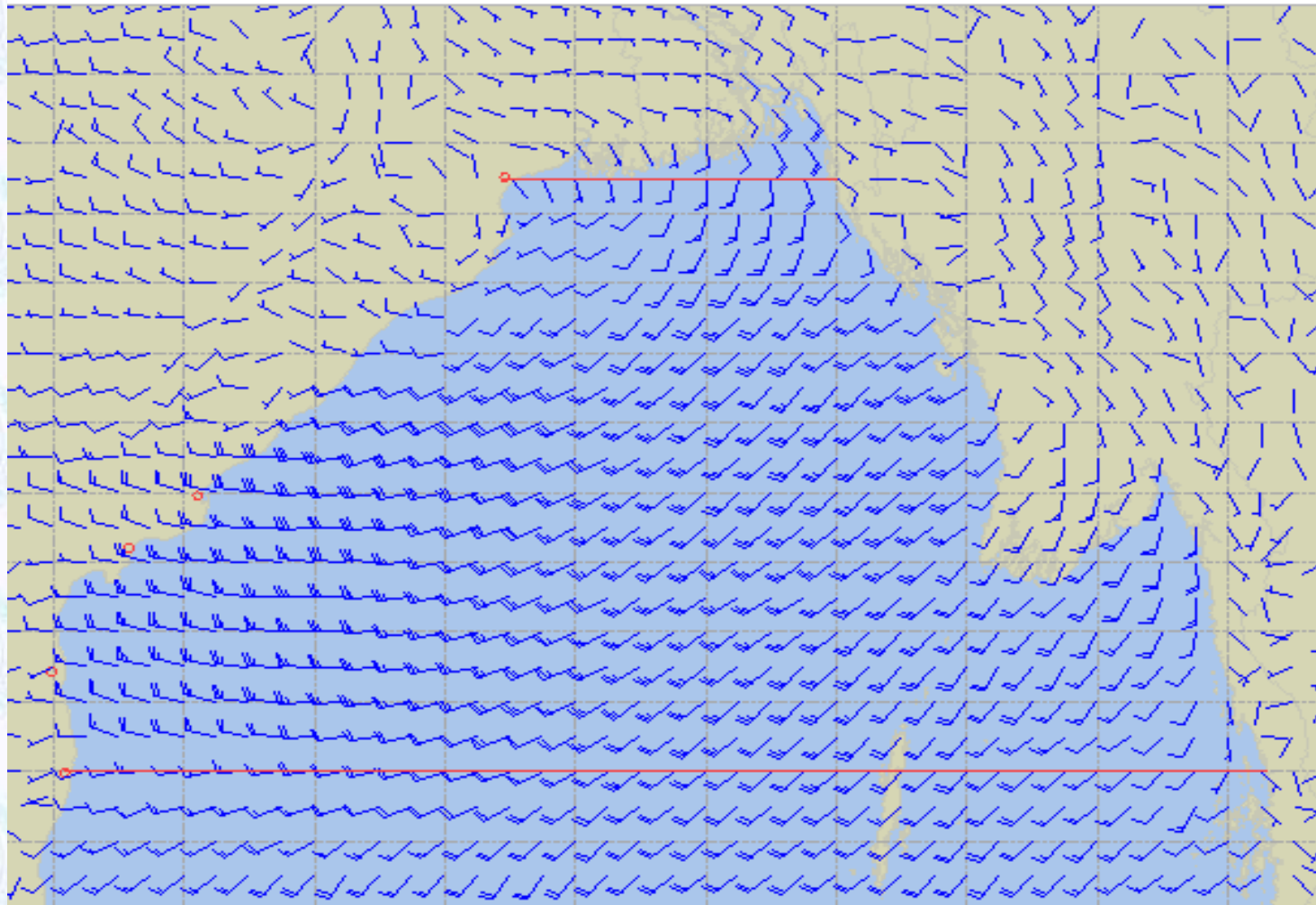
# **Inland River Port Warning** **(VALID TILL 06 PM OF 13.08.2020)**

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, BOGURA, MYMENSINGH, SYLHET, KHULNA, BARISHAL, PATUAKHALI, NOAKHALI, CUMILLA, CHATTOGRAM & COX'S BAZAR WHEREIN RIVERPORTS SHALL HOIST CAUTIONARY SIGNAL NO ONE (R) ONE.

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



# Surface Wind Forecast- 14 Aug- 2020



**Legend:**



**Calm  
Winds**



**5 Knots**



**10 Knots**



**60 Knots**

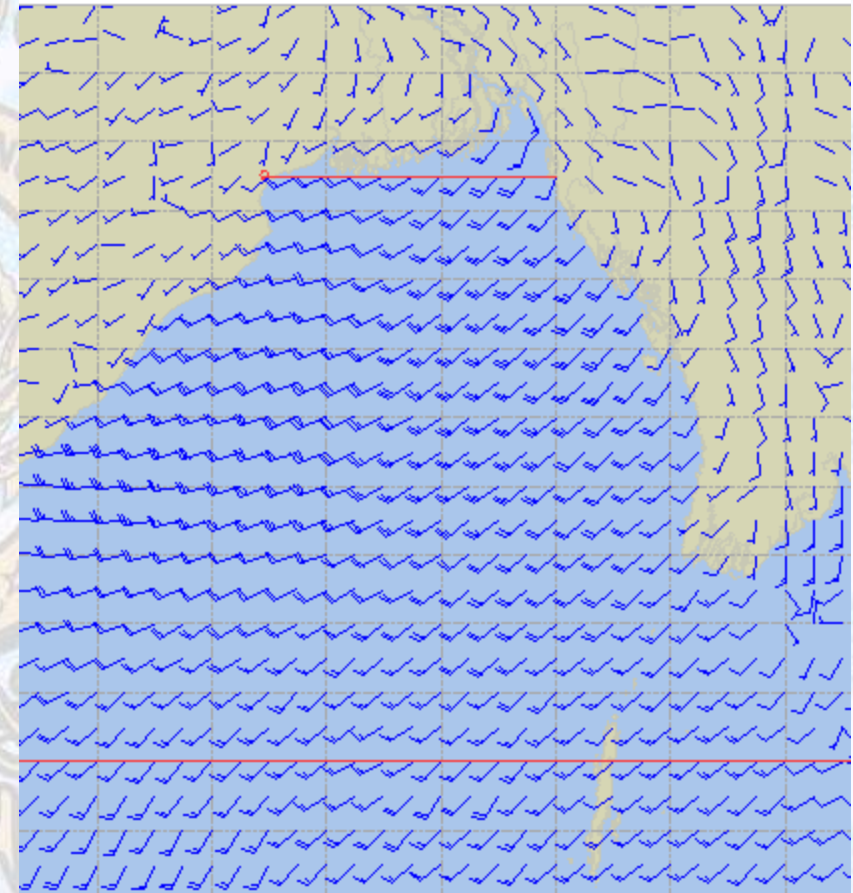
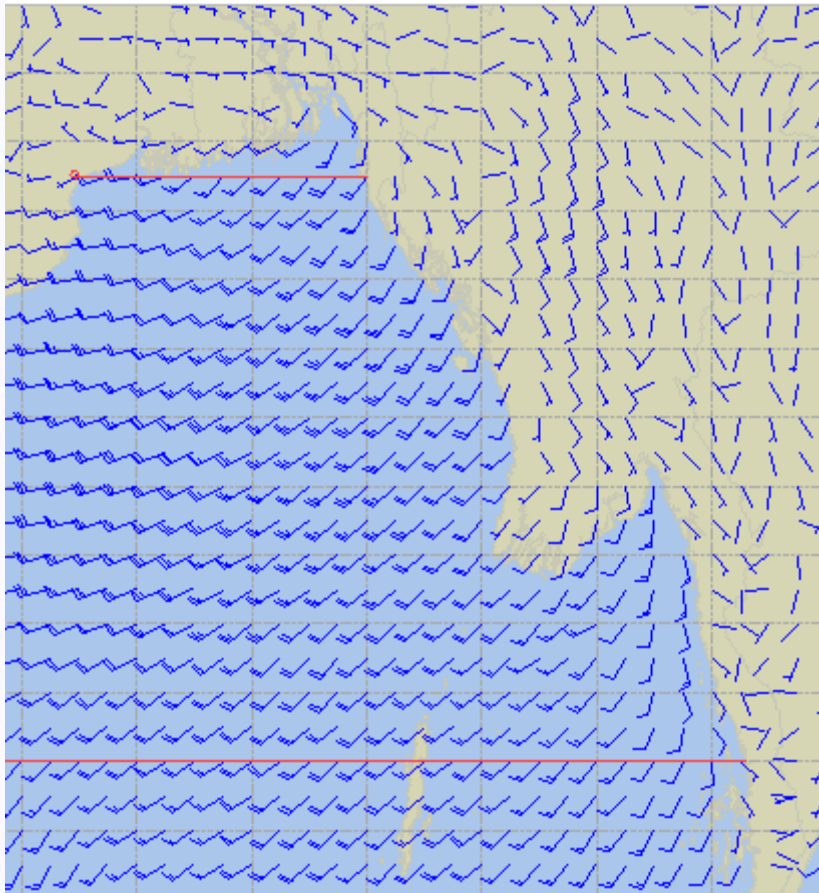




# Surface Wind Forecast – 15 & 16 Aug - 2020

15 August 20 Saturday

16 August 20 Sunday



## Legend:



Calm  
Winds



5 Knots



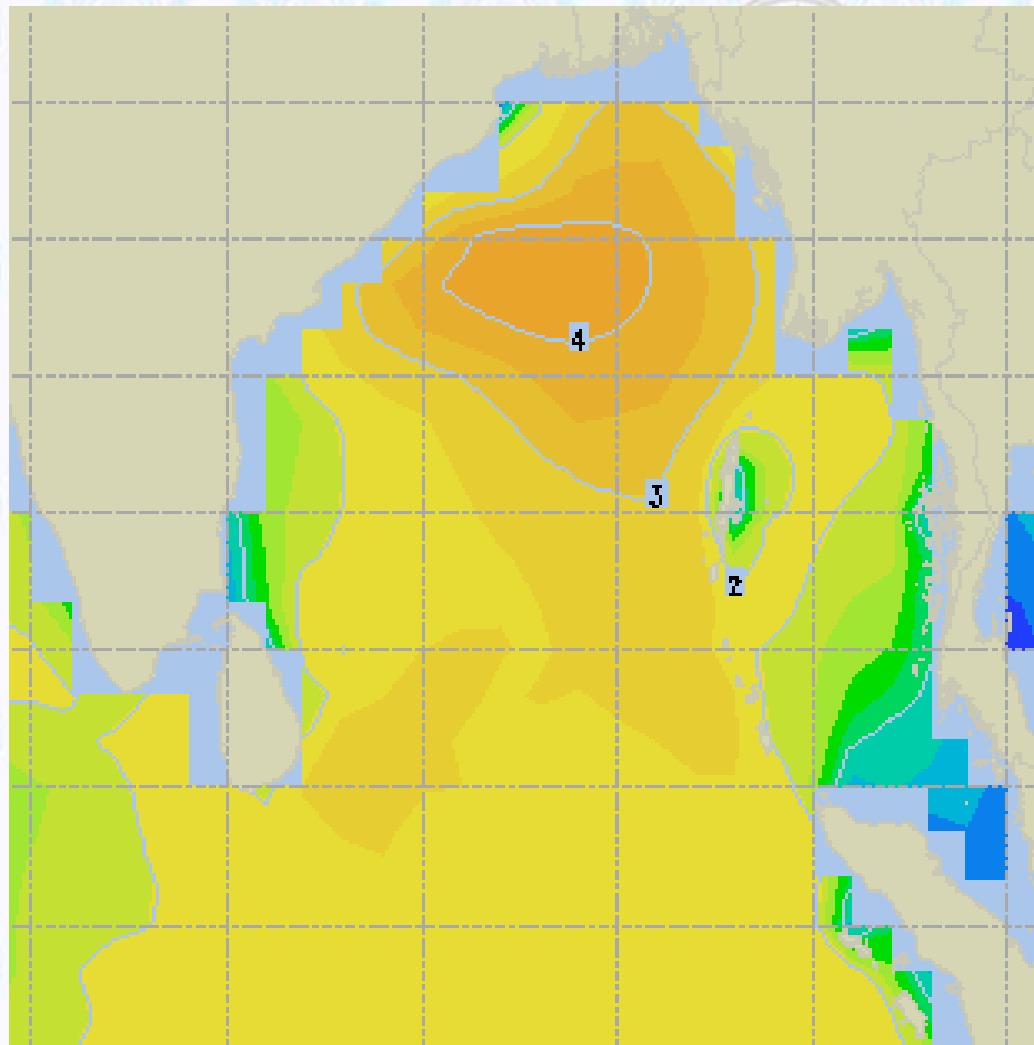
10 Knots



60 Knots



# Sea State Forecast – 14 Aug- 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



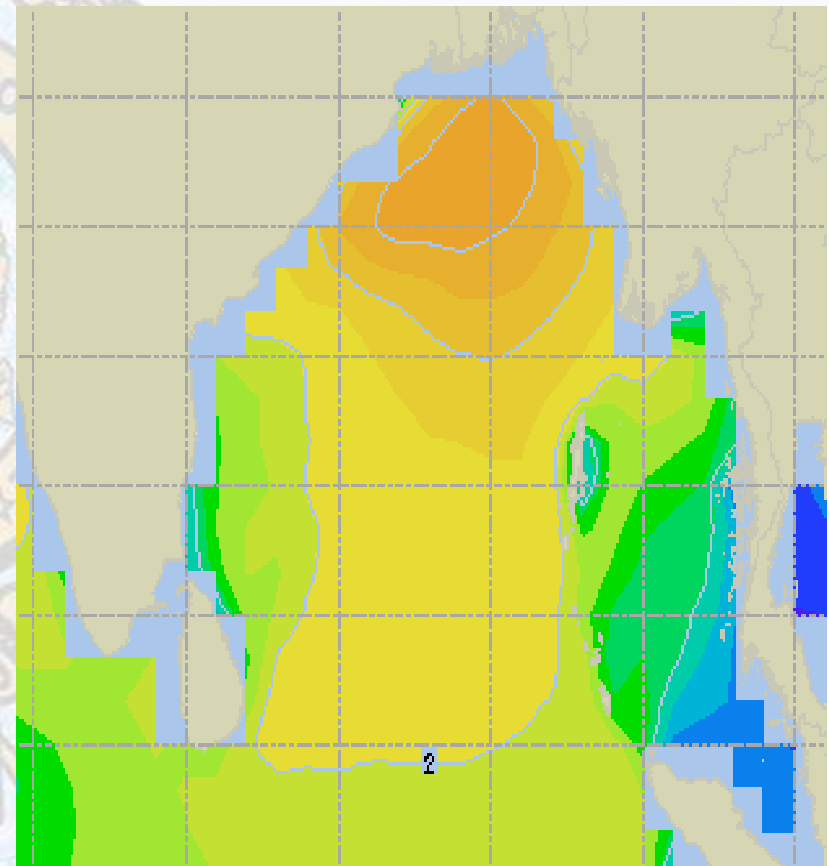
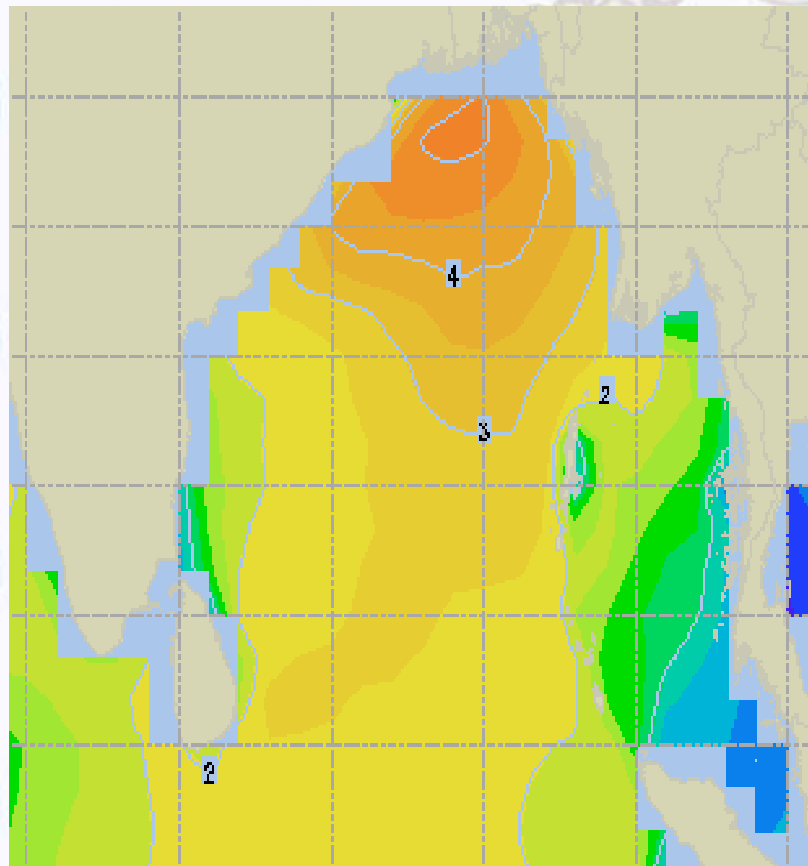




# Sea State Forecast – 15 & 16 Aug - 2020

15 August 20 Saturday

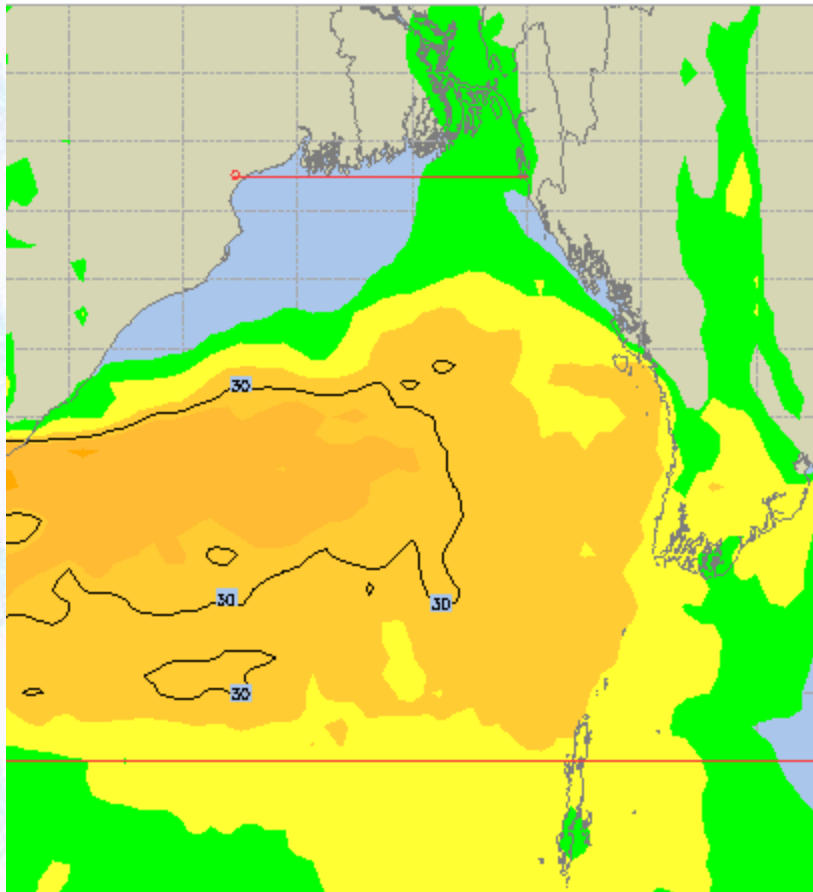
16 August 20 Sunday



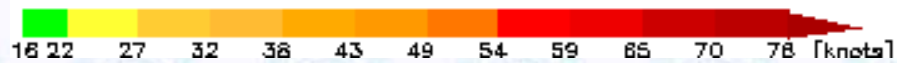
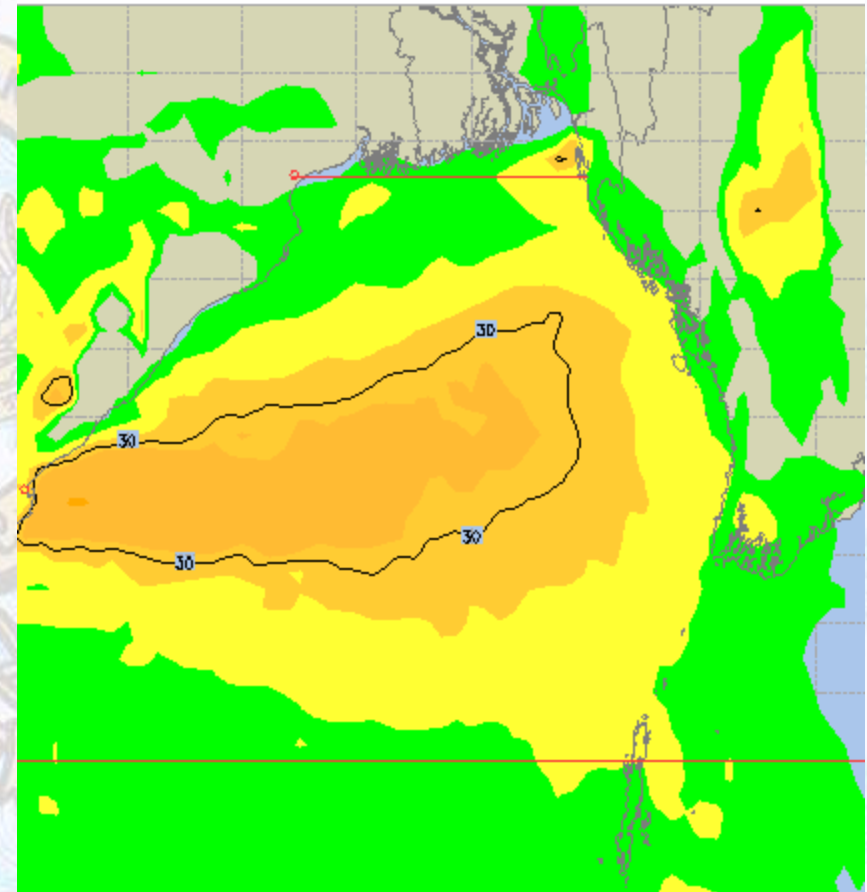


# Peak Gusting Possibilities– 14 & 15 Aug 2020

14 August 20 Friday



15 August 20 Saturday



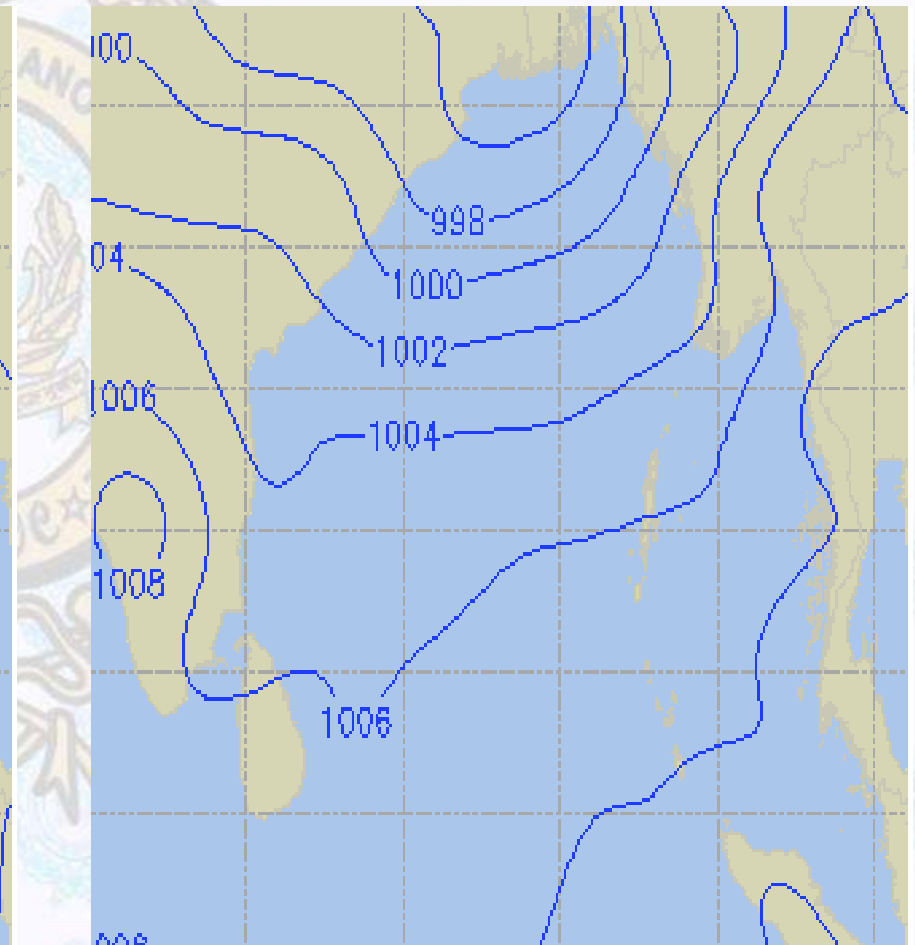
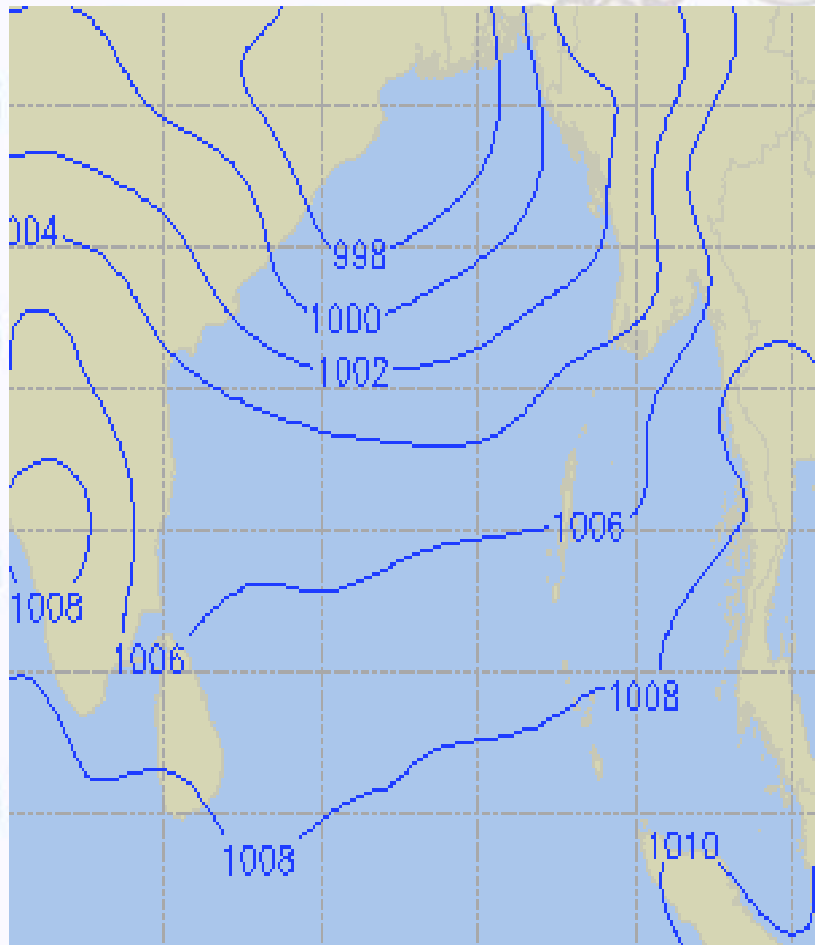




# Surface Pressure forecast– 14 & 15 Aug 2020

14 August 20 Friday

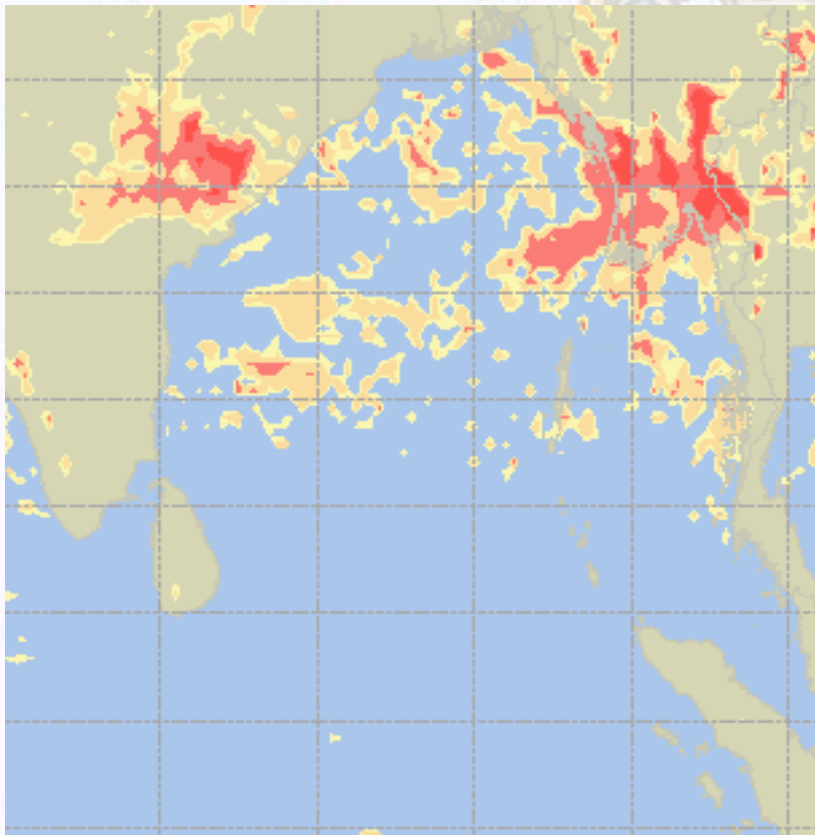
15 August 20 Saturday



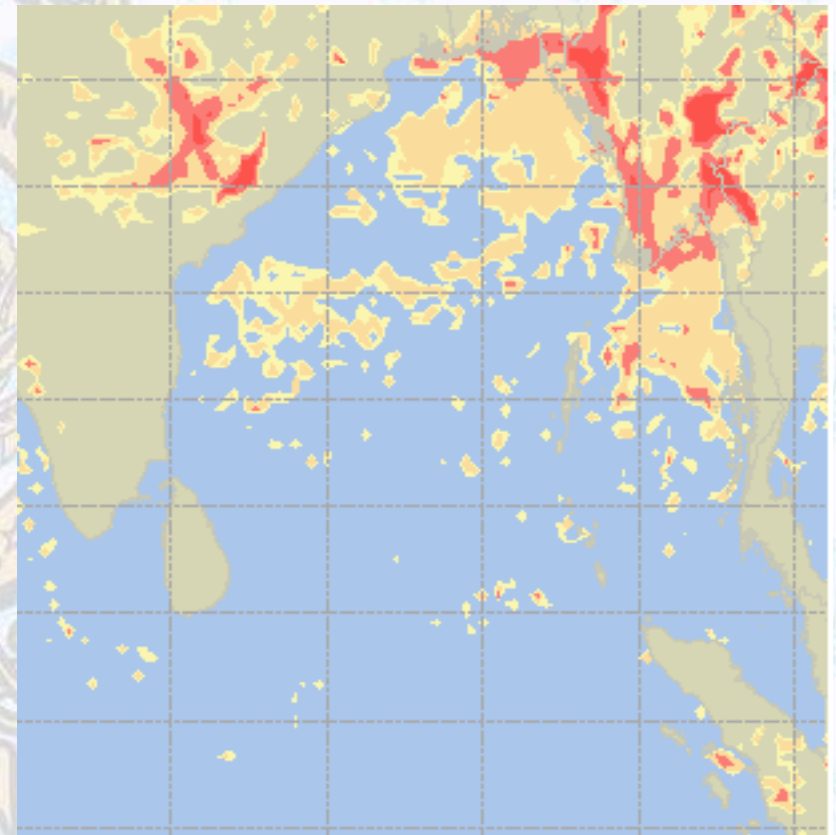


# Visibility at Sea Forecast – 14 & 15 Aug 2020

14 August 20 Friday



15 August 20 Saturday



**Visibility Scale:**



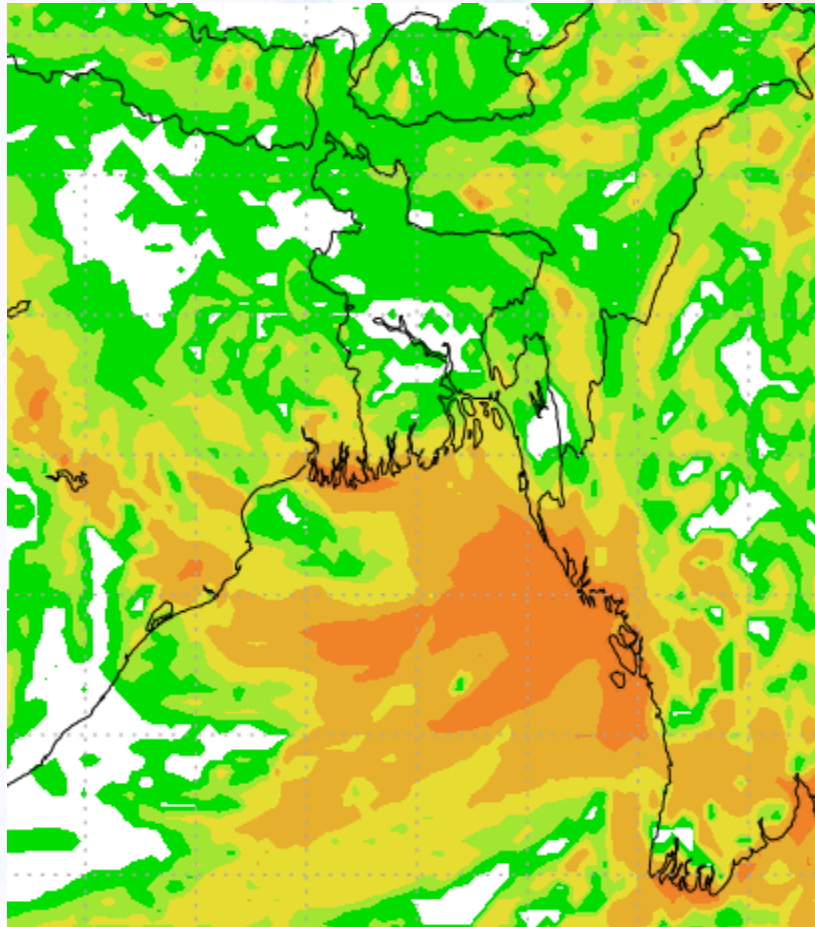
Ref (Slide 12-18): <http://www.weatheronline.co.uk/marine/weather?LEVEL>



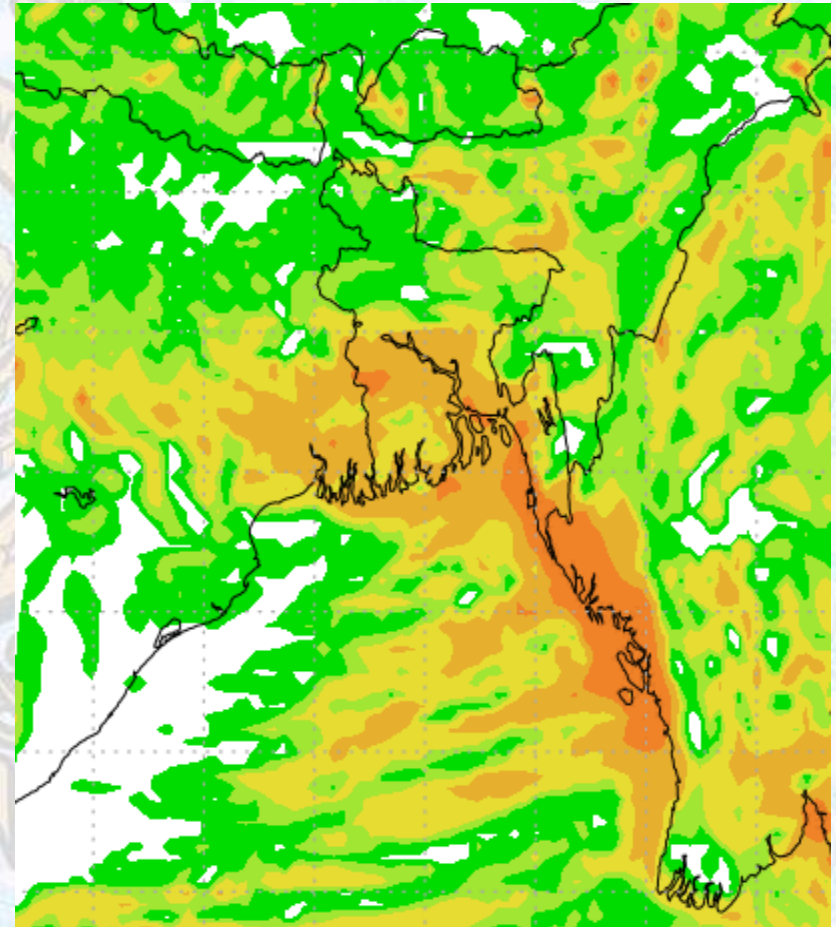


# Precipitation

Rain(mm) 14 & 15 Aug 2020



Rain(mm) 15 & 16 Aug 2020



**Precipitation Scale (mm):**





# Tidal Information

## KHAL NO. 10

## COX'S BAZAR

## HIRAN POINT

	Time	Height		Time	Height		Time	Height
		0218		1.67			0008	1.62
14 Aug 2020	0844	4.40		0633	2.87		1234	1.80
	1523	1.74		1306	1.59		1820	2.51
	2123	4.00		1858	2.70		-	-
	Time	Height		Time	Height		Time	Height
		0335		1.63			0128	1.55
15 Aug 2020	0954	4.58		0744	3.06		0718	2.87
	1639	1.57		1418	1.48		1402	1.66
	2236	4.22		2007	2.88		1951	2.62
	Time	Height		Time	Height		Time	Height
		0444		1.46			0234	1.42
16 Aug 2020	1053	4.48		0838	3.31		0824	3.05
	1740	1.34		1514	1.34		1504	1.45
	2331	4.50		2058	3.11		2054	2.81