



# **WEATHER FORECAST FOR BN**

**20 SEP- 23 SEP 2020**





# WEATHER FORECAST – DHAKA

## 20.09.2020

Hourly	2 PM	4 PM	8 PM	11 PM
Temp. / Dew Point	34 / 27	33 / 26	30 / 25	29 / 25
Wind	15 km/h SE	12 km/h SE	13 km/h SSE	1 km/h SE
Humidity	65%	69%	77%	79%
Chance of Precip	16%	24%	1%	24%
Cloud Cover	64%	64%	85%	81%
Conditions	Partly Cloudy	Partly Cloudy	Partly Cloudy	Partly Cloudy
Sunrise Sunset	5: 47 AM 17: 58 PM			

### Conditions

Pressure : 998 hpa

Visibility : 4.02 km

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





# WEATHER FORECAST – CHATTOGRAM

## 20.09.2020

Hourly	2 PM	4 PM	8 PM	11 PM
Temp. / Dew Point	31 / 27	30 / 27	29 / 26	28 / 26
Wind	14 km/h SSE	12 km/h SE	13 km/h SSE	14 km/h SE
Humidity	80%	84%	87%	86%
Chance of Precip.	30%	66%	36%	35%
Cloud Cover	76%	78%	86%	79%
Conditions	Partly Cloudy	Partly Cloudy	Partly Cloudy / Light Rain	Partly Cloudy / Light Rain
Sunrise Sunset	5: 42 AM 17: 52 PM			

### Conditions

Pressure : 999 hpa

Visibility : 9.66 Km

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



# WEATHER FORECAST – KHULNA

## 20.09.2020

Hourly	2 PM	4 PM	8 PM	11 PM
Temp. / Dew Point	30 / 28	32 / 28	29 / 27	29 / 27
Wind	5 km/h E	11 km/h ESE	11 km/h ESE	12 km/h ESE
Humidity	87%	82%	90%	92%
Chance of Precip.	40%	75%	24%	31%
Cloud Cover	85%	84%	85%	83%
Conditions	Partly Cloudy	Partly Cloudy	Partly Cloudy	Partly Cloudy
Sunrise Sunset	5: 52 AM 18: 02 PM			

### Conditions

Pressure : 998 hpa

Visibility : 11.27 Km

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





# GENERAL WEATHER FORECAST – DHAKA

Description	21 Sep 2020	22 Sep 2020	23 Sep 2020
<b>Temperature (C)</b>	31 °C/27 °C	30 °C/27 °C	30 °C/27 °C
<b>Summary</b>	Partly Cloudy	Partly Cloudy	Partly Cloudy
<b>Sun Rise/Set</b>	5h47m06s/17h55m30s	5h47m30s/17h54m24s	5h47m48s/17h53m18s
<b>Day Length</b>	12h08m24s	12h06m54s	12h05m30s
<b>Moon Rise/ Set</b>	9:40AM 9:05 PM	10:44AM 9:54 PM	11:49AM 10:46 PM
<b>Moon Phase/ illu</b>	Waxing Crescent 26%	Waxing Crescent 37%	Waxing Crescent 48%
<b>Nautical Twilight</b>	04:57, 18:44	04:58, 18:43	04:58, 18:42
<b>Civil Twilight</b>	05:24, 18:18	05:24, 18:17	05:24, 18:16
<b>Humidity</b>	D : 79%    N : 84%	D : 83%    N : 85%	D : 82%    N : 85%
<b>Barometer (mb)</b>	999	1000	1003
<b>Visibility</b>	Good	Good	Good
<b>Precip Chance</b>	80%	80%	80%
<b>Wind (mph)</b>	21 Km/h ESE	21 Km/h SSE	16 Km/h SSE

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



# GENERAL WEATHER FORECAST– CHATTOGRAM

Description	21 Sep 2020	22 Sep 2020	23 Sep 2020
<b>Temperature (C)</b>	31 °C/ 26 °C	30 °C/ 26 °C	30 °C/ 26 °C
<b>Summary</b>	Partly Cloudy/ Light Rain	Partly Cloudy/ Light Rain	Partly Cloudy/ Light Rain
<b>Sun Rise/Set</b>	5h41m30s/17h49m42s	5h41m48s/17h48m42s	5h42m06s/17h47m36s
<b>Day Length</b>	12h08m12s	12h06m54s	12h05m30s
<b>Moon Rise/ Set</b>	9:32AM 9:01 PM	10:36AM 9:50 PM	11:40AM 10:43 PM
<b>Moon Phase/ illu</b>	Waxing Crescent 26%	Waxing Crescent 37%	Waxing Crescent 48%
<b>NauticalTwilight</b>	04:52, 18:38	04:53, 18:37	04:53, 18:36
<b>Civil Twilight</b>	05:18, 18:12	05:19, 18:11	05:19, 18:10
<b>Humidity</b>	D : 84% N : 89%	D : 86% N : 91%	D : 87% N : 93%
<b>Barometer (mb)</b>	1001	1004	1005
<b>Visibility</b>	Good	Good	Good
<b>Precip Chance</b>	90%	90%	90%
<b>Wind (mph)</b>	22 Km/h SE	21 Km/h SSE	17 Km/h S

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





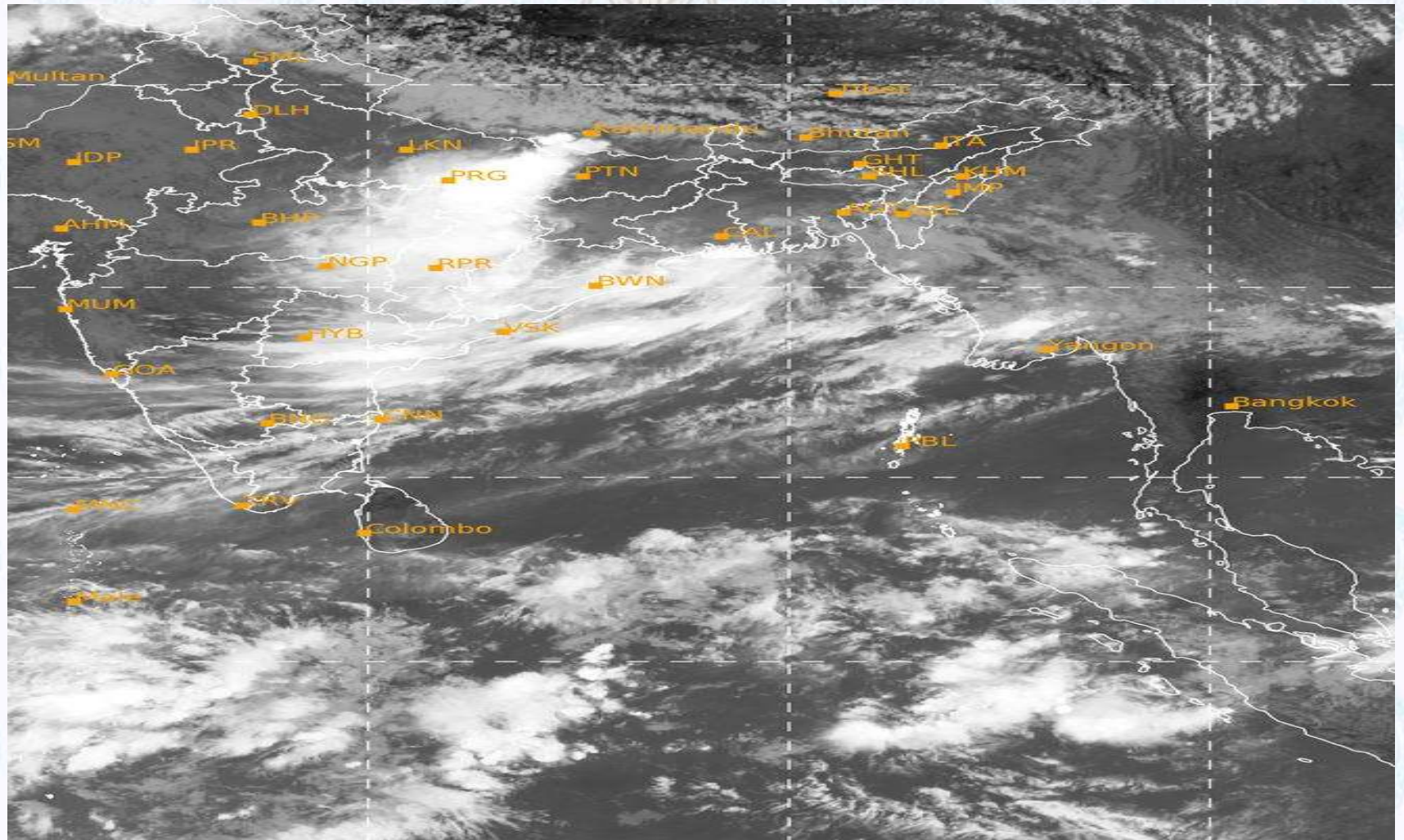
# GENERAL WEATHER FORECAST – KHULNA

Description	21 Sep 2020	22 Sep 2020	23 Sep 2020
<b>Temperature(C)</b>	30°C/ 27°C	30°C/ 27°C	30°C/ 27°C
<b>Summary</b>	Partly Cloudy	Partly Cloudy	Partly Cloudy
<b>Sun Rise/Set</b>	5h50m36s/17h58m54s	5h50m54s/17h57m48s	5h51m12s/17h56m42s
<b>Day Length</b>	12h08m18s	12h06m54s	12h05m30s
<b>Moon Rise/Set</b>	9:42AM 9:11 PM	10:47AM 10:00 PM	11:50AM 10:53 PM
<b>Moon Phase/illu</b>	Waxing Crescent 26%	Waxing Crescent 37%	Waxing Crescent 48%
<b>Nautical Twilight</b>	05:01, 18:47	05:02, 18:46	05:02, 18:45
<b>Civil Twilight</b>	05:27, 18:21	05:28, 18:20	05:28, 18:19
<b>Humidity</b>	D : 83% N : 87%	D : 86% N : 87%	D : 85% N : 88%
<b>Barometer (mb)</b>	999	1000	1003
<b>Visibility</b>	Good	Good	Good
<b>Precip Chance</b>	90%	90%	95%
<b>Wind (mph)</b>	22 km/h ESE	19 km/h SSE	16 km/h S

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



# SATELLITE VIEW OF BAY OF BENGAL



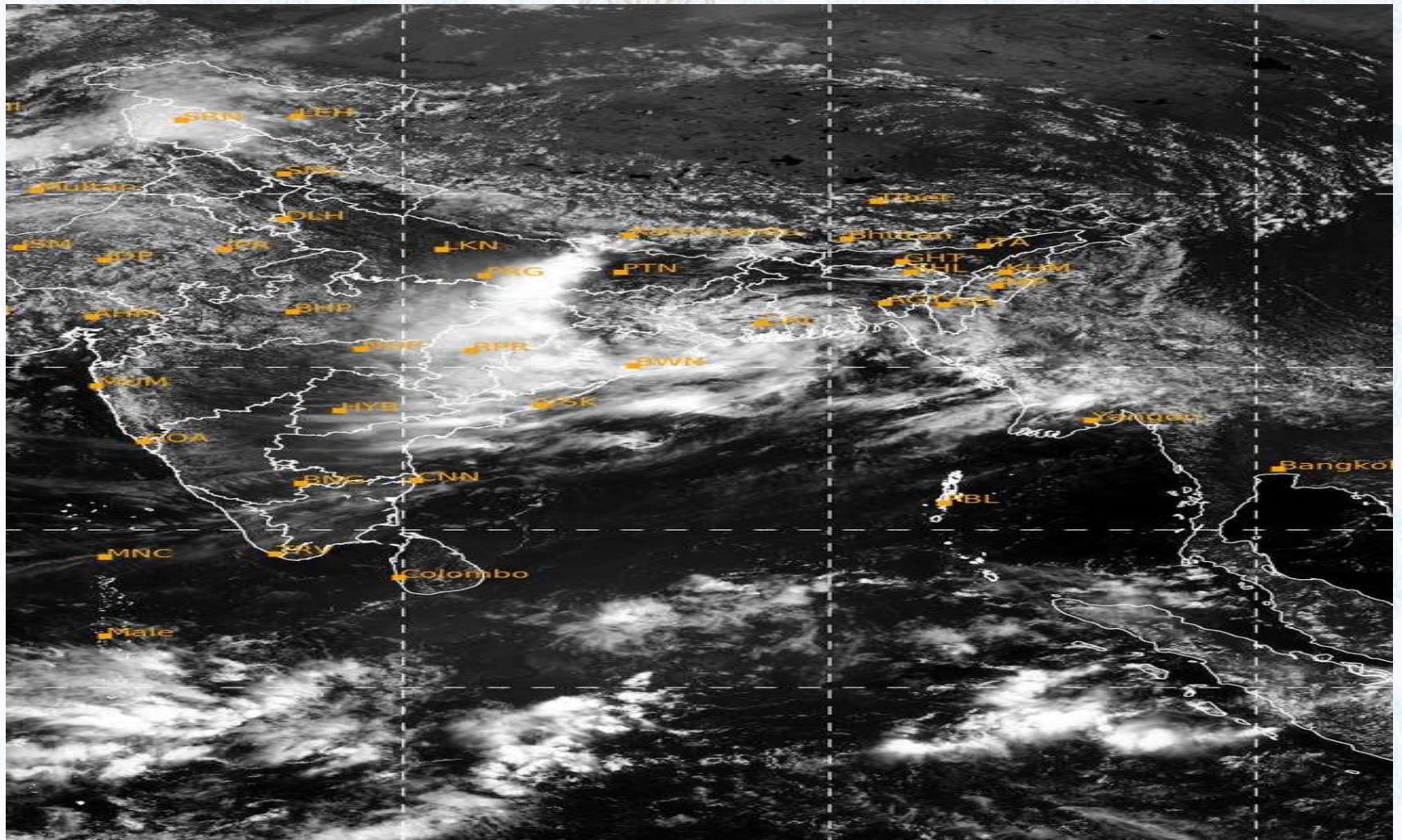
20/09/2020, 11:00 UTC MATSAT-IR

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





# SATELLITE VIEW OF BAY OF BENGAL



20/09/2020, 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 20.09.2020)

<b>Part One</b>	NO STORM WARNING.	
<b>Part Two</b>	A LOW HAS FORMED OVER NORTH-EAST BAY AND ADJOINING AREA . MONSOON IS MODERATE TO STRONG OVER NORTH BAY.	
<b>Part Three</b>	Weather	RAIN/T.SHOWERS OVER AREA C-90.
	Wind	SOUTH/SOUTH-EASTERLY, 12-18 KTS. TEMPORARY GUSTING TO 28 KTS.
	Visibility	03-05 KMS, REDUCING TO 1000 METER OR LESS IN RAIN/SHOWERS.
	Outlook	FOR SUBSEQUENT 12 HOURS: LITTLE CHANGE.
	MSL Pressure	AT = 20,0000 UTC. CHATTOGRAM =999 HPA





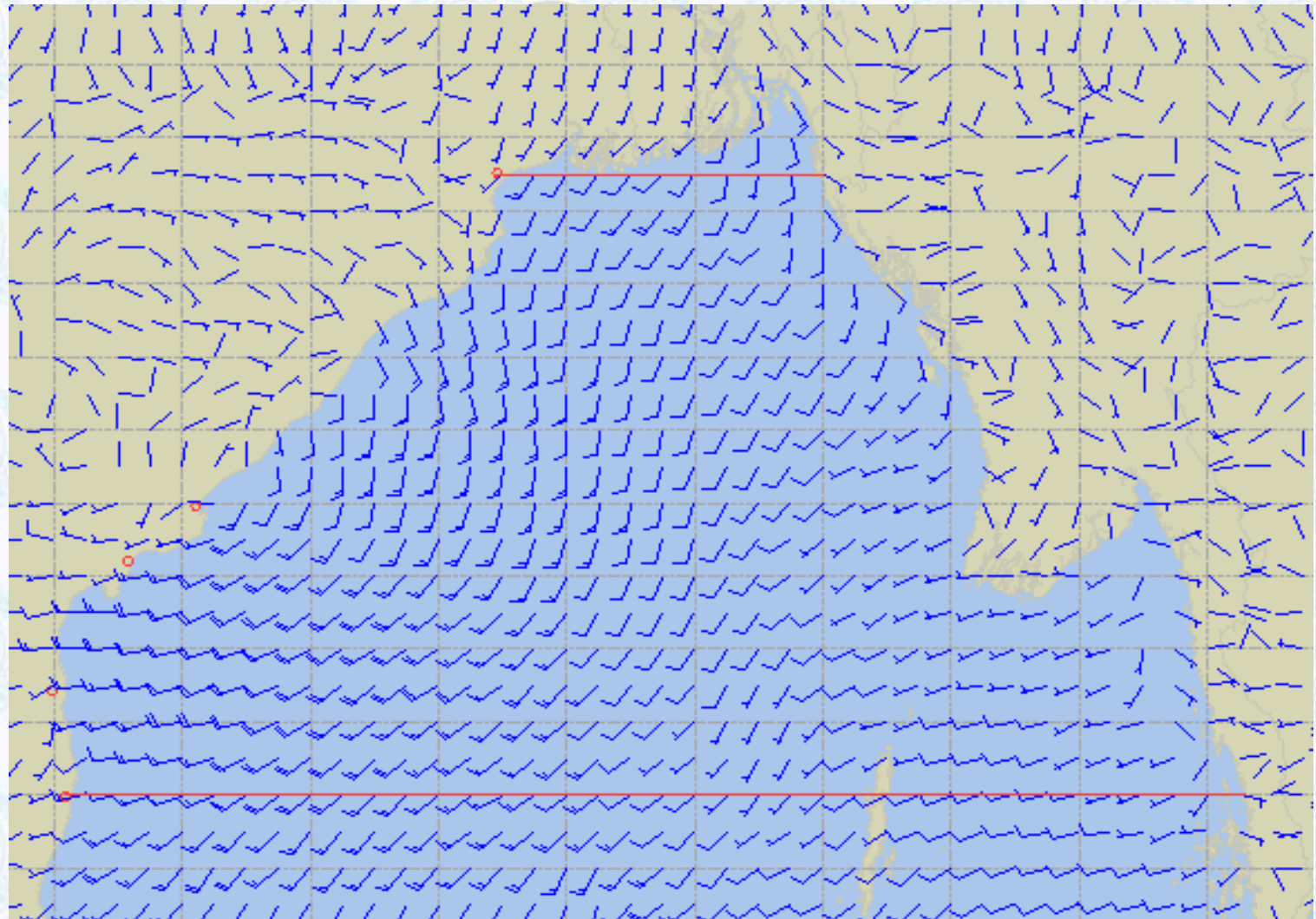
## **Inland River Port Warning** **(VALID TILL 06 PM OF 20.09.2020)**

IN ASSOCIATION WITH RAIN/THUNDER SHOWERS TEMPORARY S/SE'LY, GUSTY/SQUALLY WIND SPEED 45-60 KPH IS LIKELY TO OCCUR OVER THE REGIONS OF RAJSHAHI, RANGPUR, BOGURA, PABNA, TANGAIL, MYMENSINGH, DHAKA, FARIDPUR, MADARIPUR, JASHORE, KUSHTIA, KHULNA, BARISHAL, PATUAKHALI, CUMILLA, NOAKHALI, CHATTOGRAM, COX'S BAZAR AND SYLHET WHEREIN RIVERPORTS SHALL HOIST CAUTIONARY SIGNAL NO. ONE (R) ONE.

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



# Surface Wind Forecast- 21 Sep- 2020



**Legend:**



**Calm  
Winds**



**5 Knots**



**10 Knots**



**60 Knots**

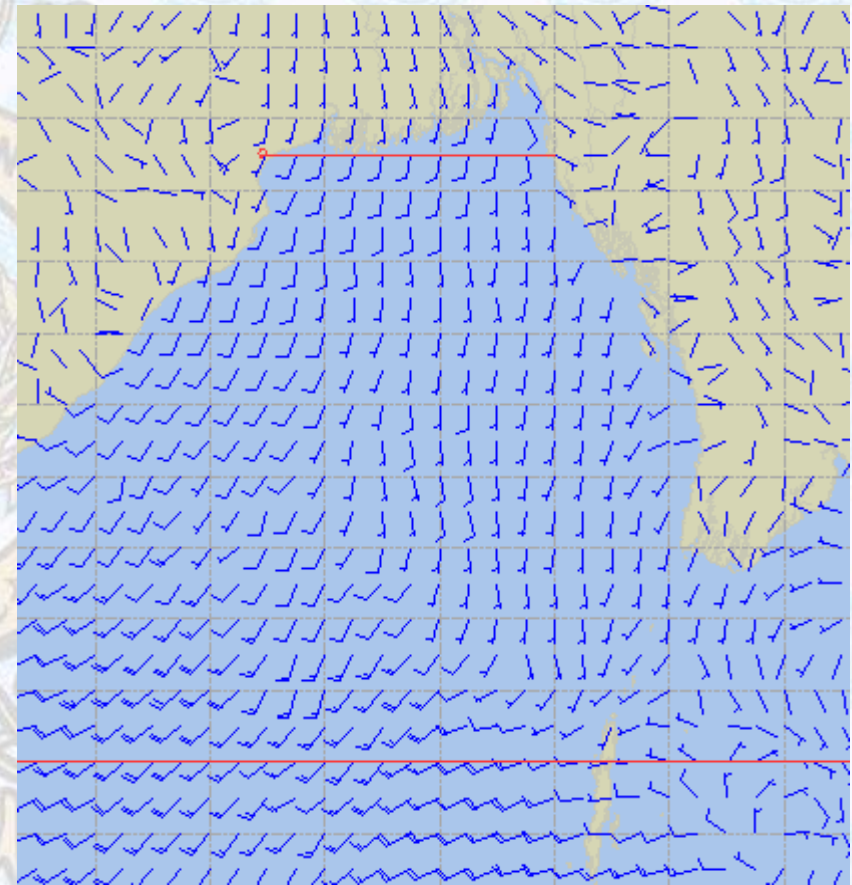
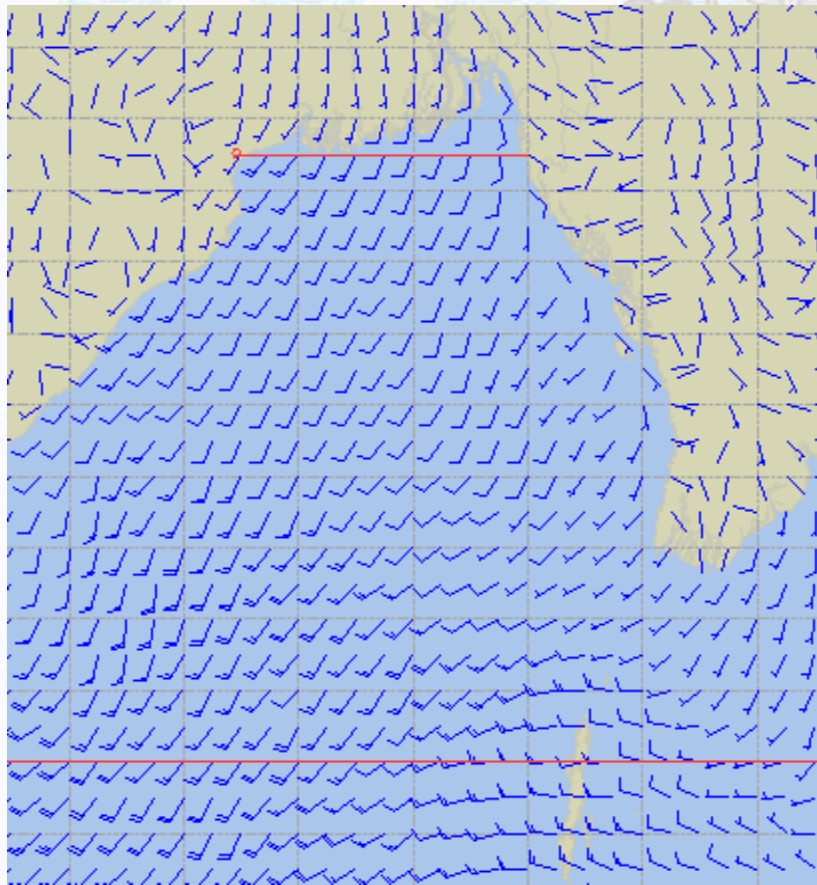




# Surface Wind Forecast – 22 & 23 Sep - 2020

22 Sep 20 Tuesday

23 Sep 20 Wednesday



## Legend:



Calm  
Winds



5 Knots



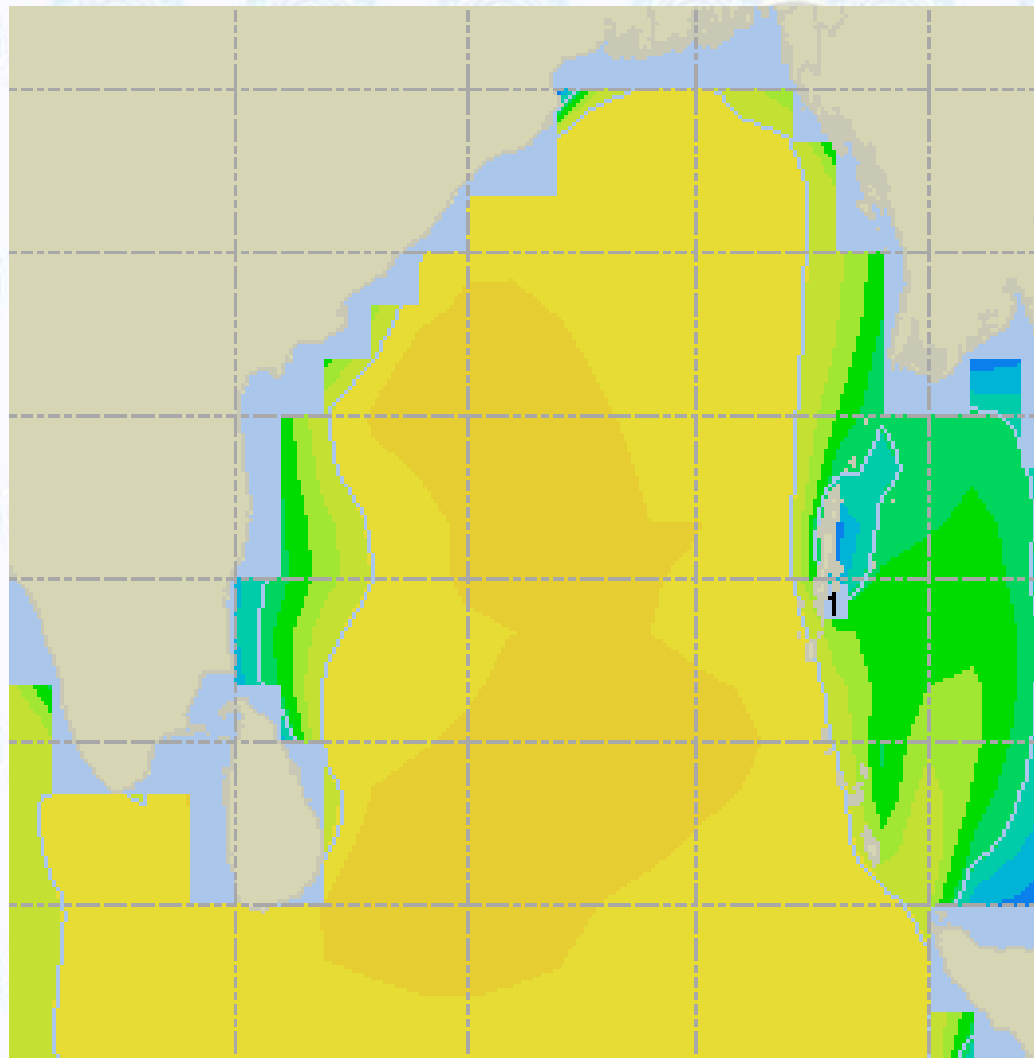
10 Knots



60 Knots



# Sea State Forecast – 21 Sep- 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



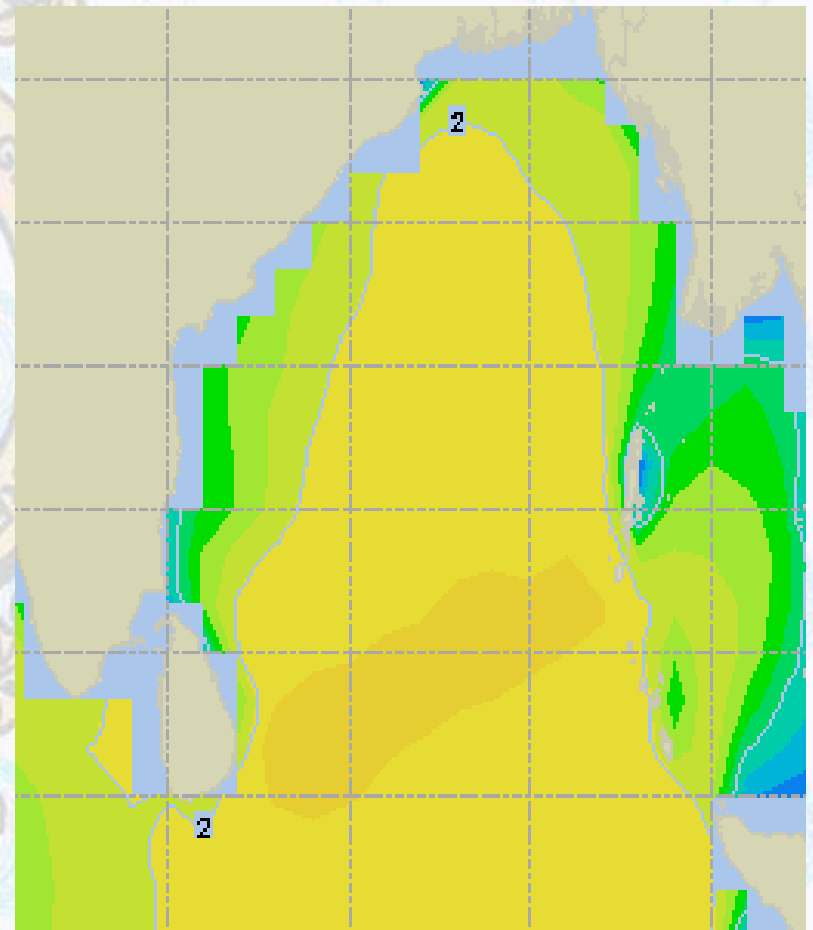
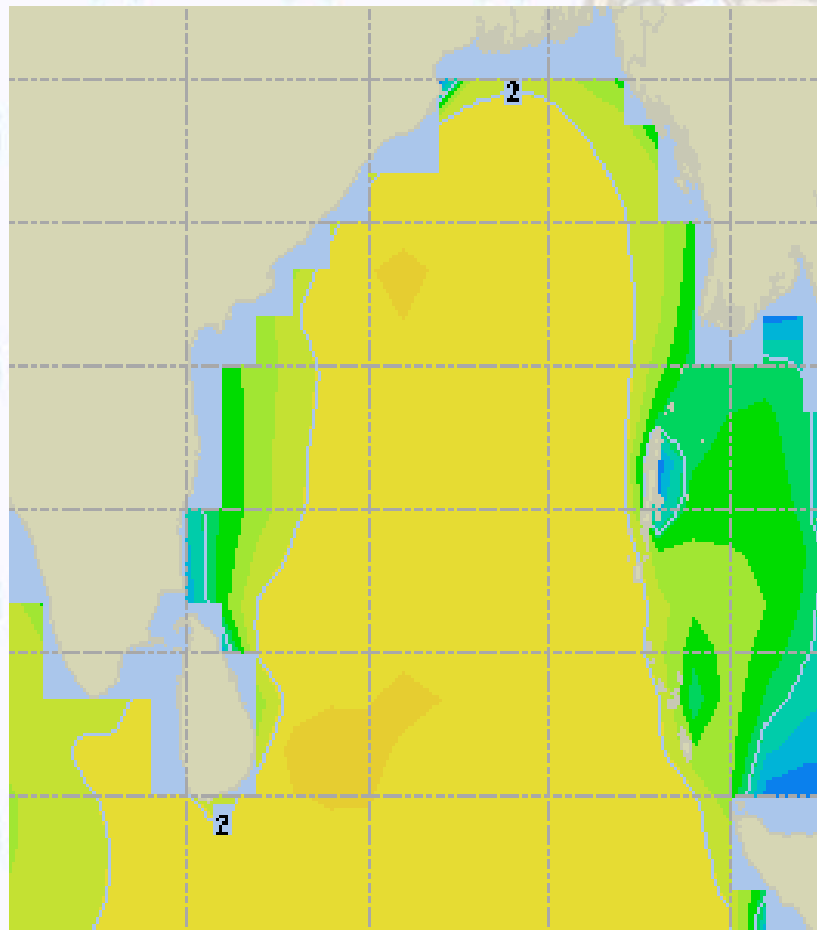




# Sea State Forecast – 22 & 23 Sep - 2020

22 Sep 20 Tuesday

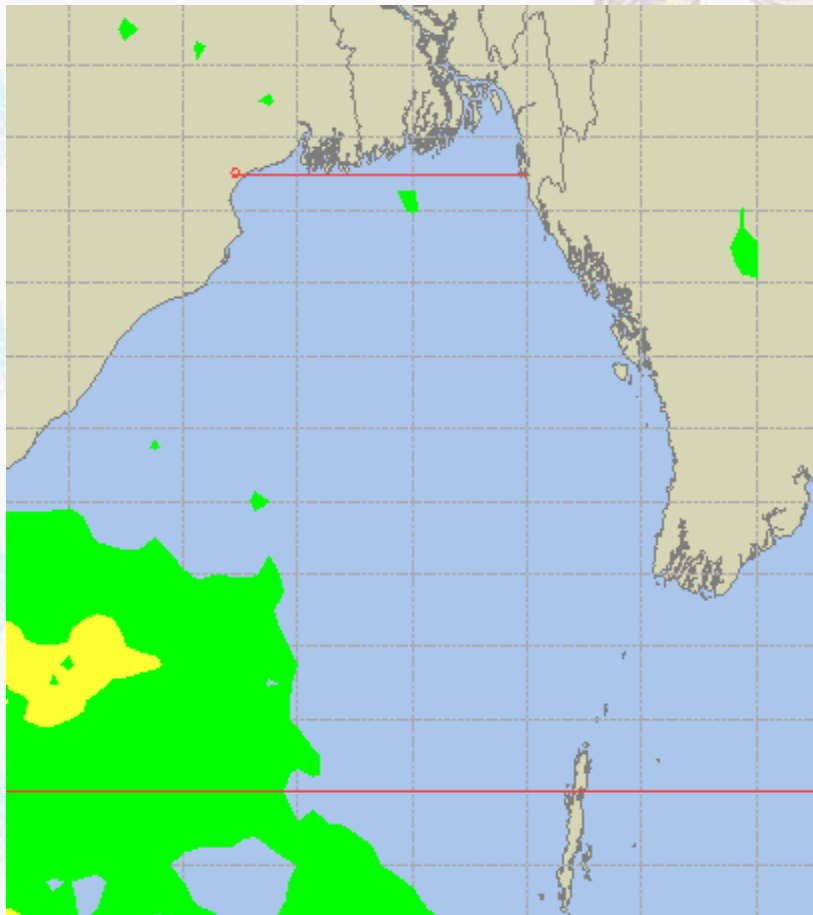
23 Sep 20 Wednesday



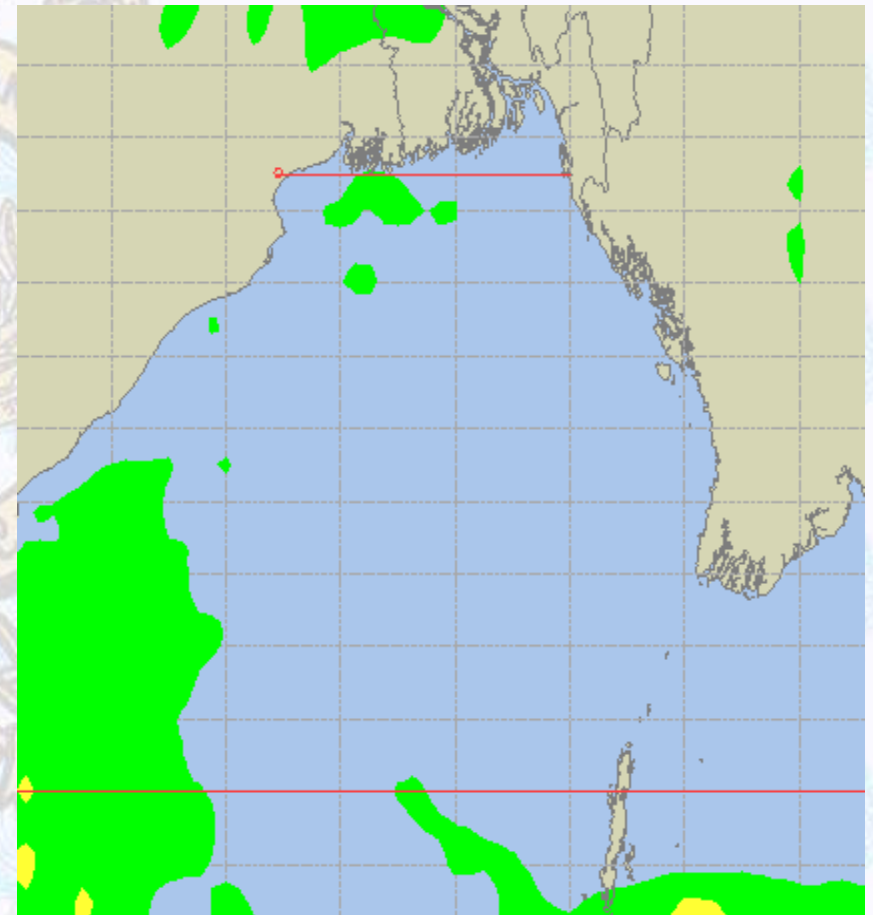


# Peak Gusting Possibilities— 21 & 22 Sep 2020

21 Sep 20 Monday



22 Sep 20 Tuesday

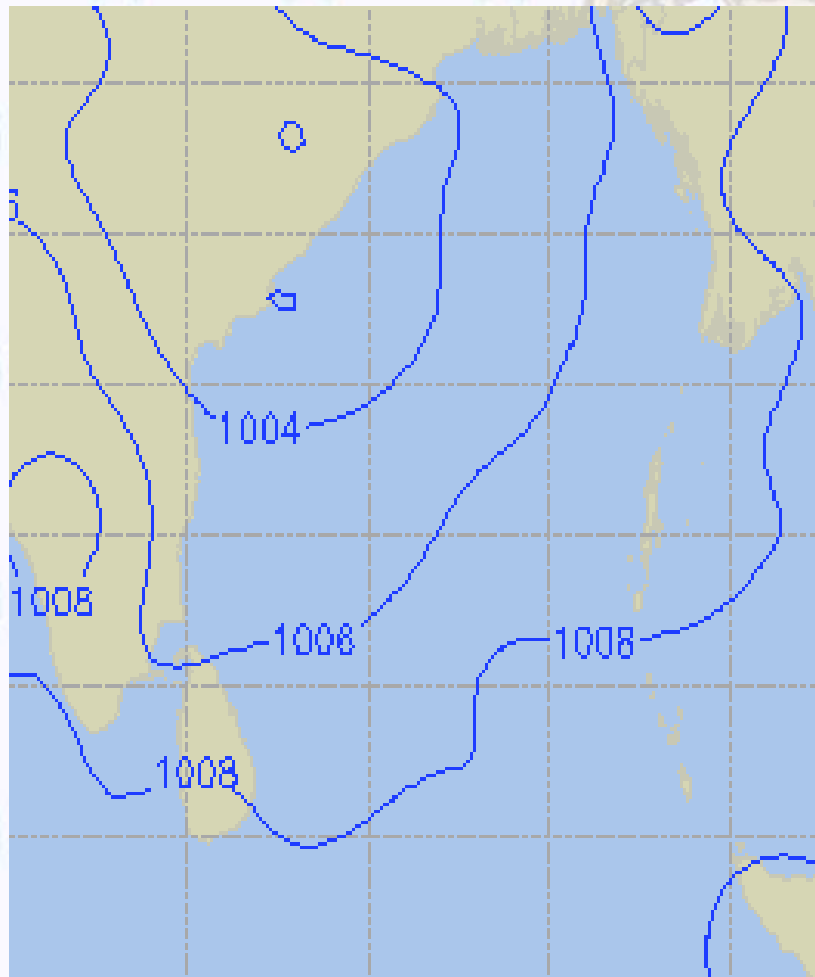




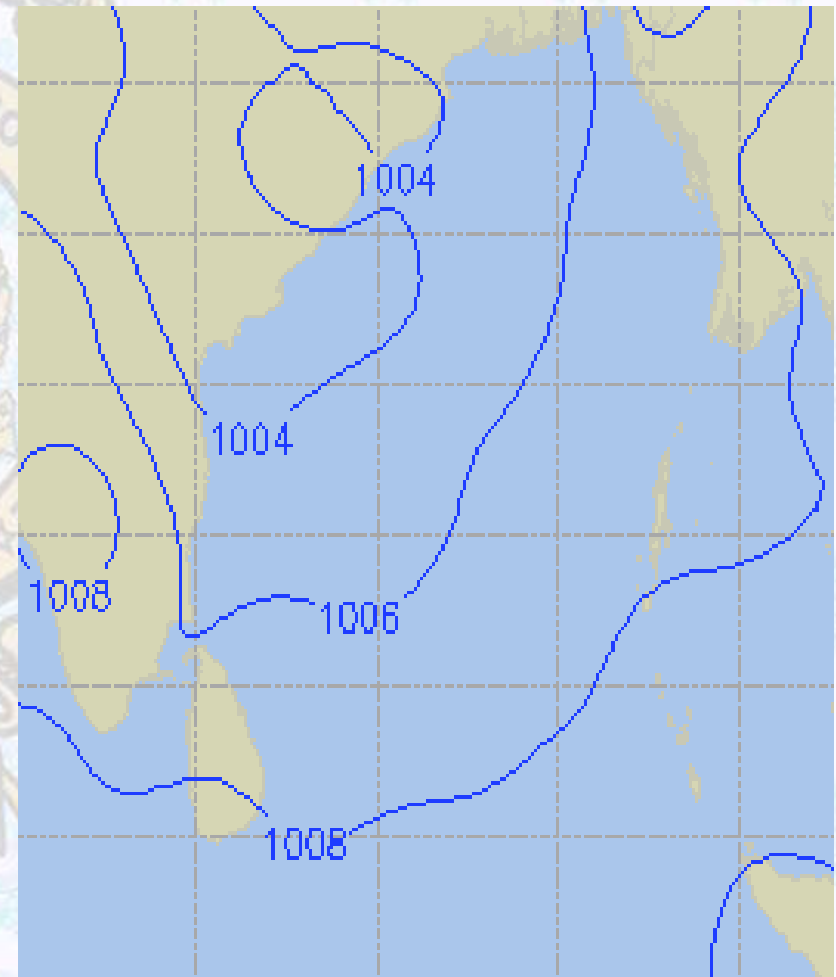


# Surface Pressure forecast– 21 & 22 Sep 2020

21 Sep 20 Monday



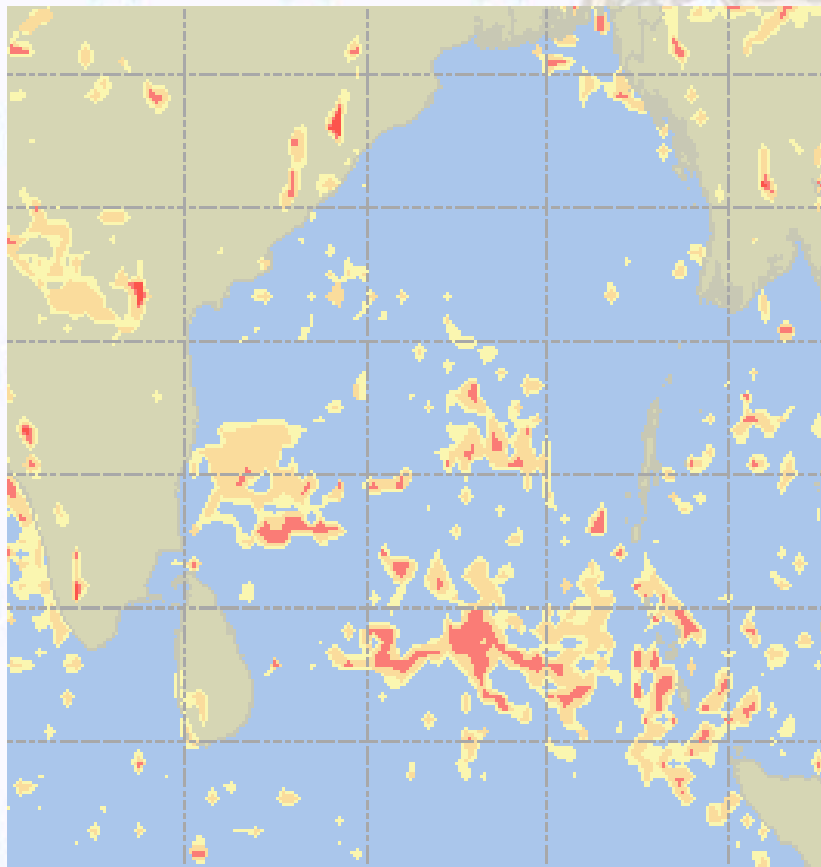
22 Sep 20 Tuesday



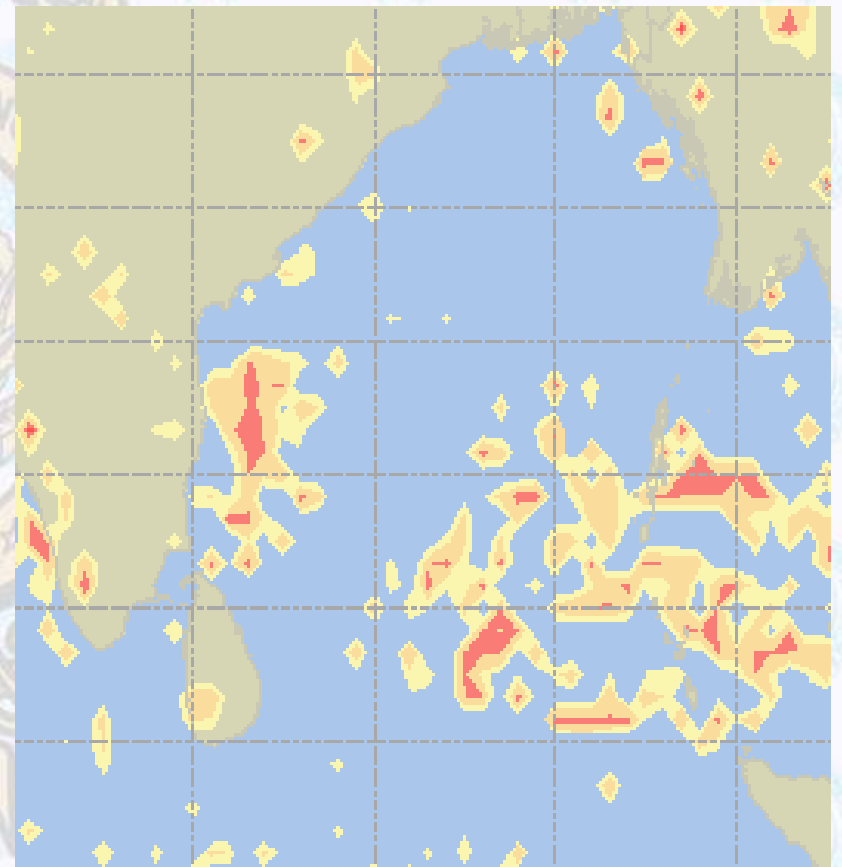


# Visibility at Sea Forecast – 21 & 22 Sep 2020

21 Sep 20 Monday



22 Sep 20 Tuesday



**Visibility Scale:**



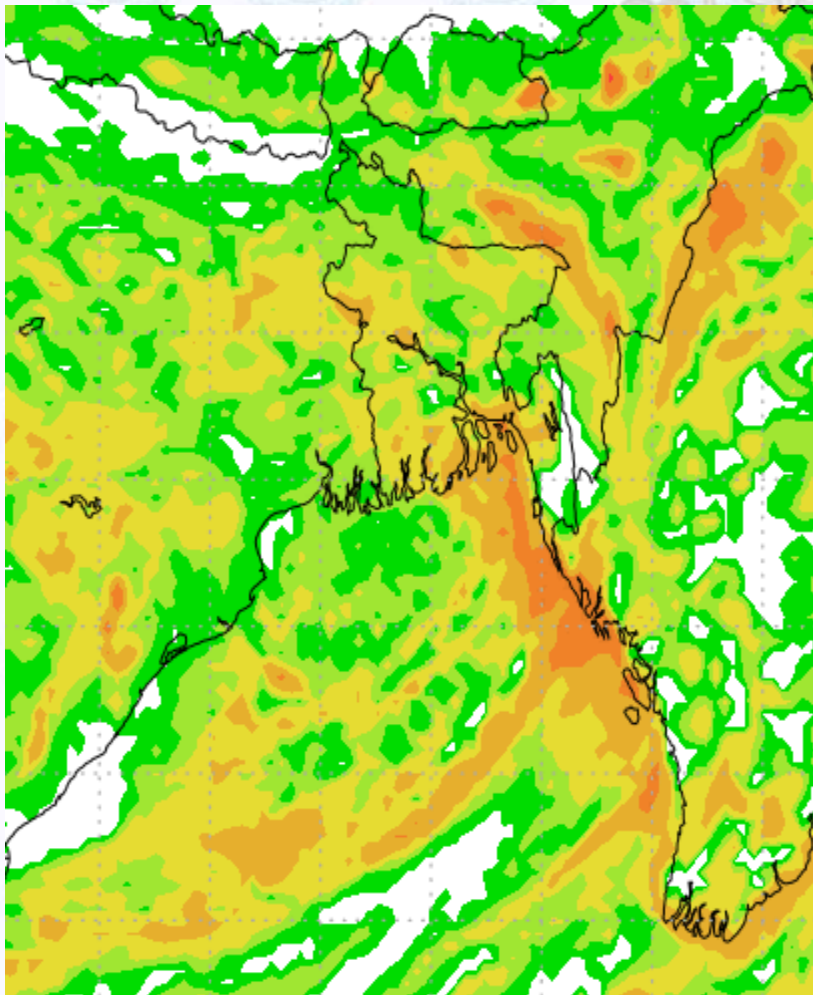
Ref (Slide 12-18): <http://www.weatheronline.co.uk/marine/weather?LEVEL>



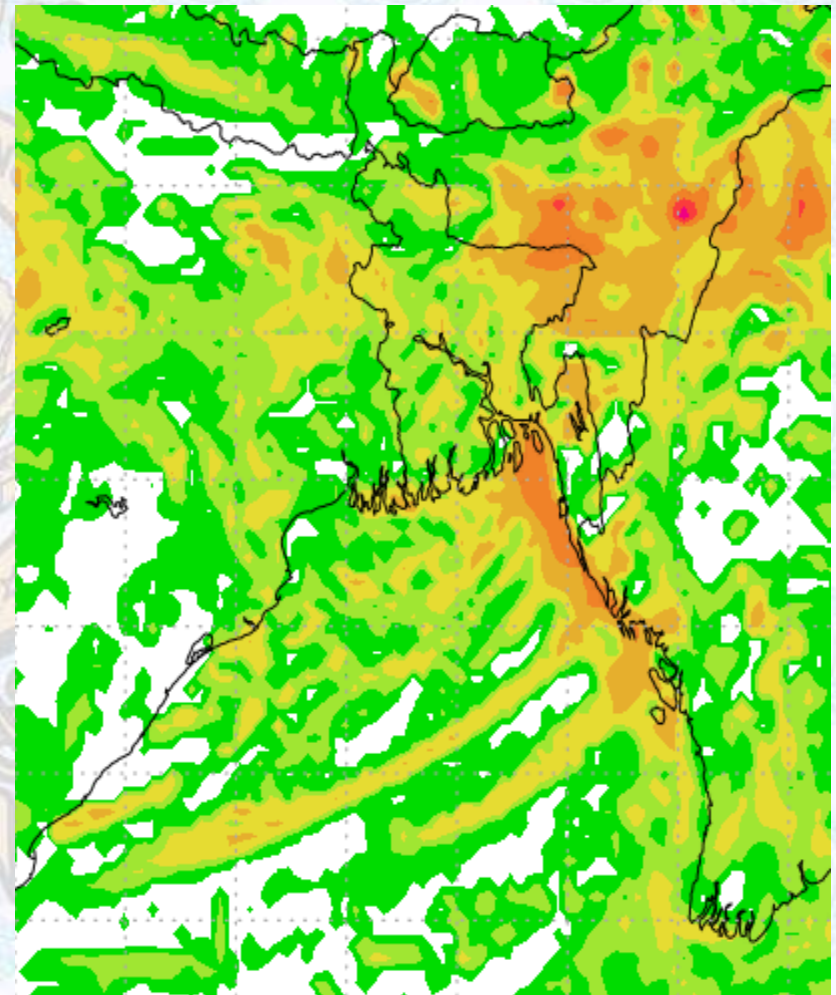


# Precipitation

Rain(mm) 21 & 22 Sep 2020



Rain(mm) 22 & 23 Sep 2020



**Precipitation Scale (mm):**





# Tidal Information

## KHAL NO. 10

## COX'S BAZAR

## HIRAN POINT

<b>21 Sep 2020</b>	<b>Time</b>	<b>Height</b>		<b>Time</b>	<b>Height</b>		<b>Time</b>	<b>Height</b>
	0307	5.41		0047	3.75		0040	3.42
	0944	0.50		0731	0.78		0702	0.80
	1528	5.15		1308	3.58		1254	3.20
	2201	0.54		1949	0.79		1916	0.76
<b>22 Sep 2020</b>	<b>Time</b>	<b>Height</b>		<b>Time</b>	<b>Height</b>		<b>Time</b>	<b>Height</b>
	0354	5.19		0133	3.54		0121	3.26
	1029	0.71		0815	0.90		0744	1.01
	1619	4.80		1355	3.29		1336	2.98
	2246	0.82		2033	0.96		1955	0.99
<b>23 Sep 2020</b>	<b>Time</b>	<b>Height</b>		<b>Time</b>	<b>Height</b>		<b>Time</b>	<b>Height</b>
	0448	4.87		0223	3.28		0207	3.06
	1123	0.99		0903	1.07		0832	1.26
	1721	4.38		1448	2.98		1424	2.72
	2341	1.18		2123	1.15		2042	1.25