



# **WEATHER FORECAST FOR BN**

***21 SEP- 24 SEP 2020***





# WEATHER FORECAST – DHAKA

## 21.09.2020

Hourly	2 PM	4 PM	8 PM	11 PM
Temp. / Dew Point	30 / 25	29 / 25	28 / 24	28 / 25
Wind	22 km/h ESE	21 km/h ESE	20 km/h SE	18 km/h SE
Humidity	77%	80%	81%	81%
Chance of Precip	41%	49%	24%	47%
Cloud Cover	84%	88%	92%	92%
Conditions	Cloudy	Cloudy	Cloudy	Cloudy
Sunrise Sunset	5: 47 AM 17: 55 PM			

### Conditions

Pressure : 1002 hpa

Visibility : 4.02 km

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



# WEATHER FORECAST – CHATTOGRAM

## 21.09.2020

Hourly	2 PM	4 PM	8 PM	11 PM
Temp. / Dew Point	31 / 27	29 / 27	28 / 26	28 / 26
Wind	30 km/h SSE	27 km/h SSE	22 km/h SSE	21 km/h SE
Humidity	79%	86%	89%	87%
Chance of Precip.	54%	42%	49%	49%
Cloud Cover	85%	88%	86%	87%
Conditions	Cloudy/ Light Rain	Cloudy/ Light Rain	Cloudy/ Light Rain	Cloudy/ Light Rain
Sunrise Sunset	5: 41 AM 17: 49 PM			

### Conditions

Pressure : 1003 hpa

Visibility : 9.66 Km

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



# WEATHER FORECAST – KHULNA

## 21.09.2020

Hourly	2 PM	4 PM	8 PM	11 PM
Temp. / Dew Point	30 / 28	30 / 28	29 / 27	29 / 27
Wind	20 km/h SE	20 km/h SE	14 km/h SE	14 km/h SE
Humidity	89%	89%	92%	92%
Chance of Precip.	69%	56%	51%	46%
Cloud Cover	87%	90%	89%	92%
Conditions	Cloudy	Cloudy	Cloudy/ Light Rain	Cloudy/ Light Rain
Sunrise Sunset	5: 50 AM 17: 59 PM			

### Conditions

Pressure : 999 hpa

Visibility : 11.27 Km

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



# GENERAL WEATHER FORECAST – DHAKA

Description	22 Sep 2020	23 Sep 2020	24 Sep 2020
<b>Temperature (C)</b>	30 °C/27 °C	31 °C/27 °C	31 °C/27 °C
<b>Summary</b>	Partly Cloudy	Partly Cloudy	Partly Cloudy
<b>Sun Rise/Set</b>	5h47m30s/17h54m24s	5h47m48s/17h53m18s	5h48m12s/17h52m12s
<b>Day Length</b>	12h06m54s	12h05m30s	12h04m00s
<b>Moon Rise/ Set</b>	10:44AM 9:54 PM	11:49AM 10:46 PM	12:49AM 11:41 PM
<b>Moon Phase/ illu</b>	Waxing Crescent 37%	Waxing Crescent 48%	First Quarter 59%
<b>Nautical Twilight</b>	04:58, 18:43	04:58, 18:42	04:58, 18:41
<b>Civil Twilight</b>	05:24, 18:17	05:24, 18:16	05:25, 18:15
<b>Humidity</b>	D : 81%    N : 84%	D : 81%    N : 85%	D : 81%    N : 81%
<b>Barometer (mb)</b>	1003	1005	1006
<b>Visibility</b>	Good	Good	Good
<b>Precip Chance</b>	60%	80%	80%
<b>Wind (mph)</b>	21 Km/h SSE	15 Km/h S	16 Km/h SSW

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



# GENERAL WEATHER FORECAST– CHATTOGRAM

Description	22 Sep 2020	23 Sep 2020	24 Sep 2020
<b>Temperature (C)</b>	30 °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>	5h41m48s/17h48m42s	5h42m06s/17h47m36s	5h42m30s/17h46m36s
<b>Day Length</b>	12h06m54s	12h05m30s	12h04m06s
<b>Moon Rise/ Set</b>	10:36AM 9:50 PM	11:40AM 10:43 PM	12:40AM 11:38 PM
<b>Moon Phase/ illu</b>	Waxing Crescent 37%	Waxing Crescent 48%	First Quarter 59%
<b>NauticalTwilight</b>	04:53, 18:37	04:53, 18:36	04:53, 18:35
<b>Civil Twilight</b>	05:19, 18:11	05:19, 18:10	05:19, 18:09
<b>Humidity</b>	D : 86% N : 91%	D : 87% N : 92%	D : 87% N : 93%
<b>Barometer (mb)</b>	1004	1006	1008
<b>Visibility</b>	Good	Good	Good
<b>Precip Chance</b>	90%	90%	90%
<b>Wind (mph)</b>	23 Km/h SSE	18 Km/h S	16 Km/h S

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



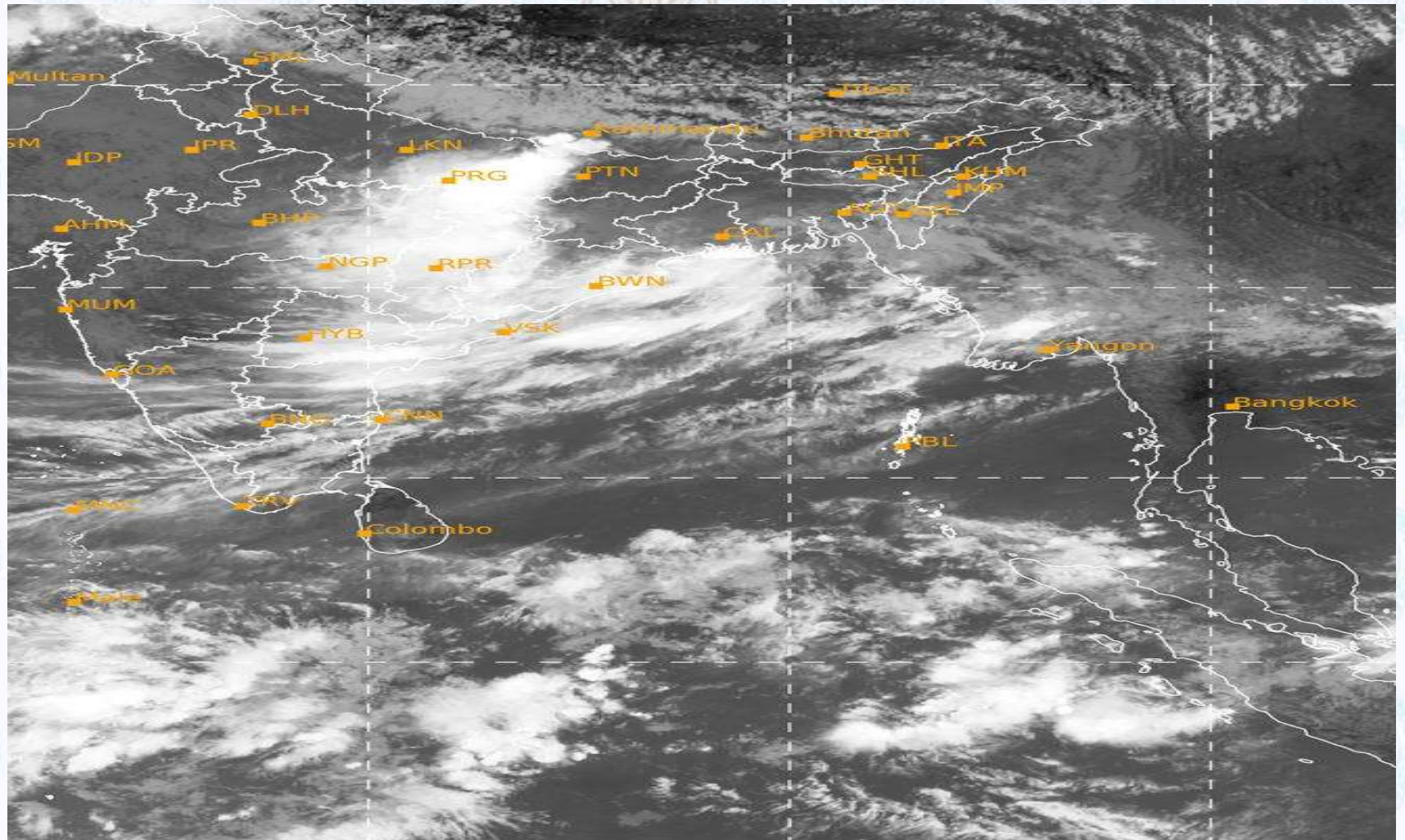
# GENERAL WEATHER FORECAST – KHULNA

Description	22 Sep 2020	23 Sep 2020	24 Sep 2020
<b>Temperature(C)</b>	31°C/ 27°C	31°C/ 27°C	31°C/ 27°C
<b>Summary</b>	Partly Cloudy	Partly Cloudy	Partly Cloudy
<b>Sun Rise/Set</b>	5h50m54s/17h57m48s	5h51m12s/17h56m42s	5h51m36s/17h55m42s
<b>Day Length</b>	12h06m54s	12h05m30s	12h04m06s
<b>Moon Rise/Set</b>	10:47AM 10:00 PM	11:50AM 10:53 PM	12:51AM 11:48 PM
<b>Moon Phase/illu</b>	Waxing Crescent 37%	Waxing Crescent 48%	First Quarter 59%
<b>Nautical Twilight</b>	05:02, 18:46	05:02, 18:45	05:02, 18:44
<b>Civil Twilight</b>	05:28, 18:20	05:28, 18:19	05:28, 18:18
<b>Humidity</b>	D : 85% N : 88%	D : 85% N : 88%	D : 84% N : 87%
<b>Barometer (mb)</b>	1001	1004	1006
<b>Visibility</b>	Good	Good	Good
<b>Precip Chance</b>	90%	90%	80%
<b>Wind (mph)</b>	20 km/h SSE	16 km/h S	16 km/h SSW

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



# SATELLITE VIEW OF BAY OF BENGAL



21/09/2020, 11:00 UTC MATSAT-IR

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







# Fleet Forecast Sea Area C-90 ( Valid for 12 Hrs Commencing 1000 UTC of 21.09.2020)

<b>Part One</b>	WARNING BAY OF BENGAL.	
<b>Part Two</b>	THE LOW OVER NORTHEAST BAY AND ADJOINING AREA NOW LIES OVER NORTHWEST BAY AND ADJOINING ODISHA-WEST BENGAL COAST. MONSOON IS STRONG OVER NORTH BAY.	
<b>Part Three</b>	Weather	RAIN/THUNDER SHOWERS OVER AREA C-90.
	Wind	SOUTH /SOUTH-EASTERLY, 15-20 KTS. TEMPORARY GUSTING TO 30 KTS.
	Visibility	03-05 KMS, REDUCING TO 1000 METER OR LESS IN RAIN/SHOWERS.
	Outlook	FOR SUBSEQUENT 12 HOURS: LITTLE CHANGE.
	MSL Pressure	AT = 21,0000 UTC. CHATTOGRAM =999 HPA



## **Inland River Port Warning** **(VALID TILL 06 PM OF 21.09.2020)**

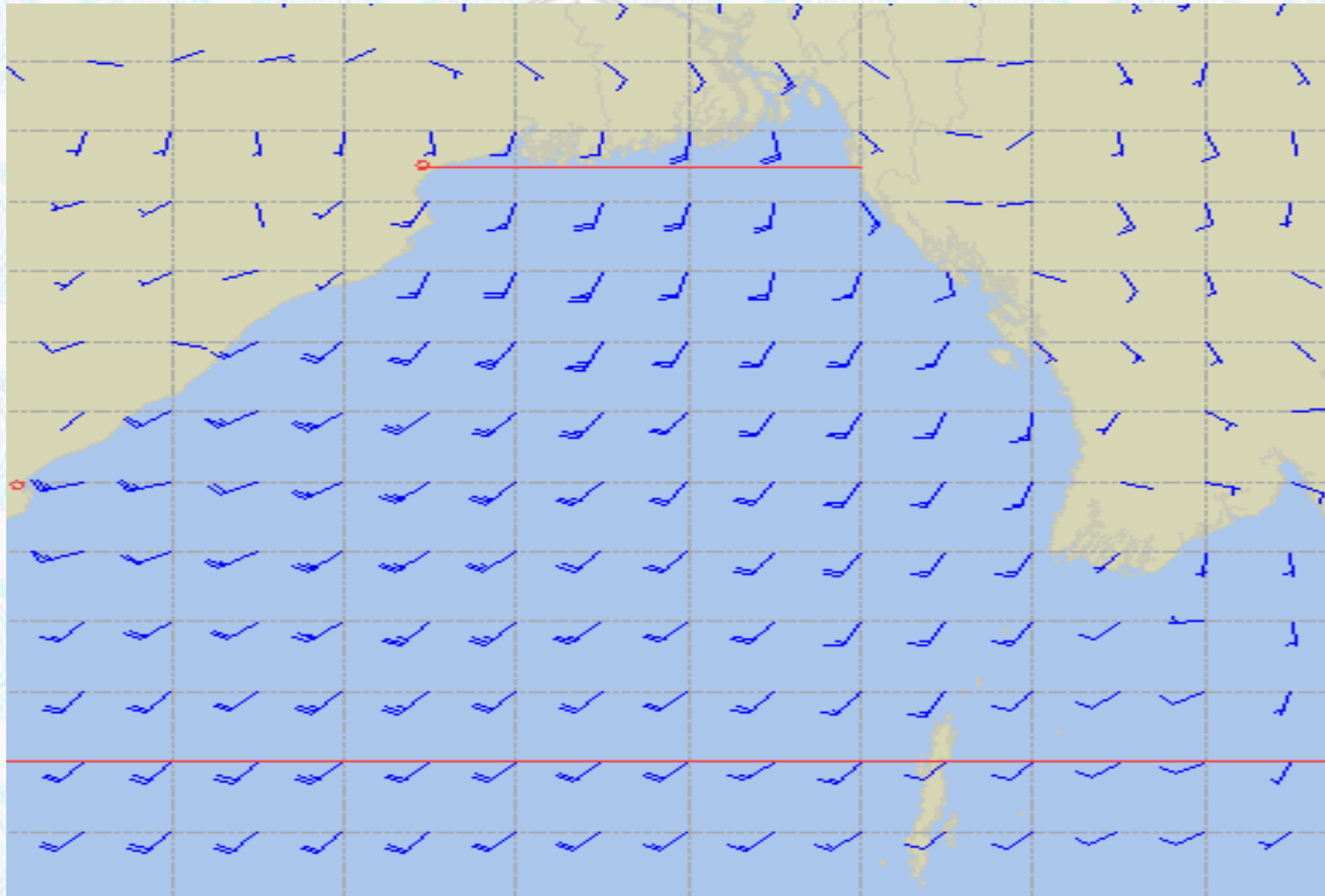
RAIN/THUNDER SHOWERS ACCOMPANIED BY TEMPORARY SOUTH/SOUTH- EASTERLY SQUALL SPEED 60-80KPH IS LIKELY TO OCCUR OVER THE REGIONS OF DHAKA, FARIDPUR, KHULNA, BARISHAL, PATUAKHALI, NOAKHALI, CUMILLA, CHATTOGRAM AND COX & S BAZAR WHEREIN RIVERPORTS SHALL HOIST RIVERINE WARNING SIGNAL NO TWO (R) TWO.

RAIN/THUNDER SHOWERS ACCOMPANIED BY TEMPORARY SOUTH/SOUTH- EASTERLY GUSTY/SQUALLY WIND SPEED 45-60KPH IS LIKELY TO OCCUR ELSEWHERE OVER THE COUNTRY WHEREIN RIVERPORTS SHALL HOIST CAUTIONARY SIGNAL NO ONE (R) ONE.

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



# Surface Wind Forecast- 22 Sep- 2020



**Legend:**



**Calm  
Winds**



**5 Knots**



**10 Knots**



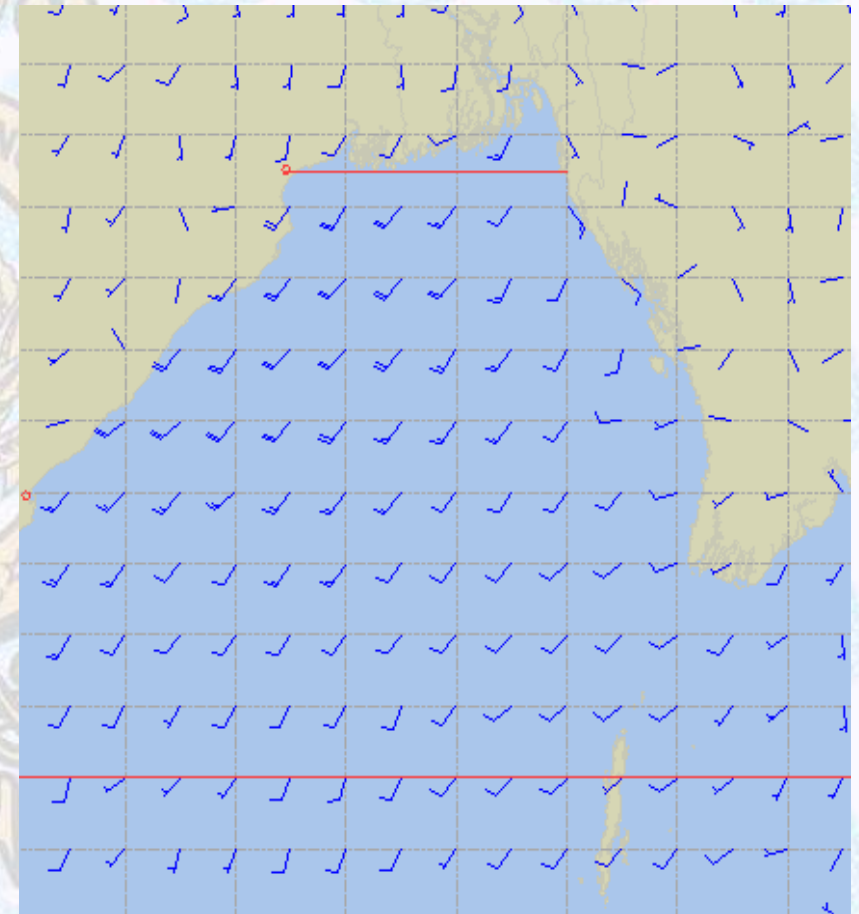
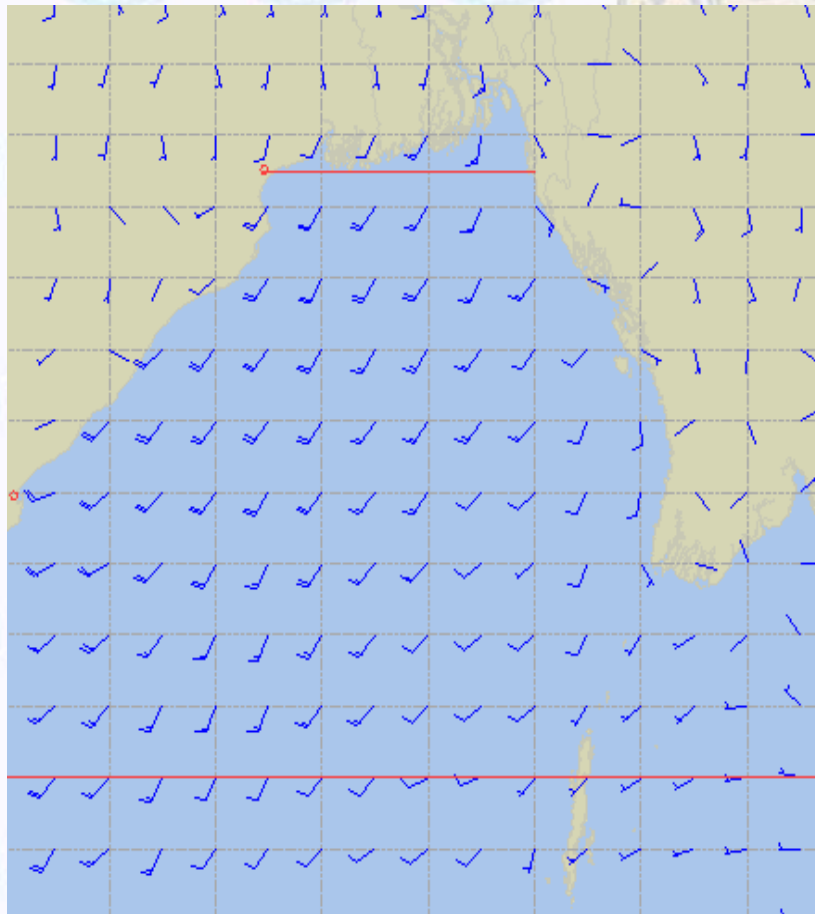
**60 Knots**



# Surface Wind Forecast – 23 & 24 Sep - 2020

23 Sep 20 Wednesday

24 Sep 20 Thursday



**Legend:**



**Calm  
Winds**



**5 Knots**



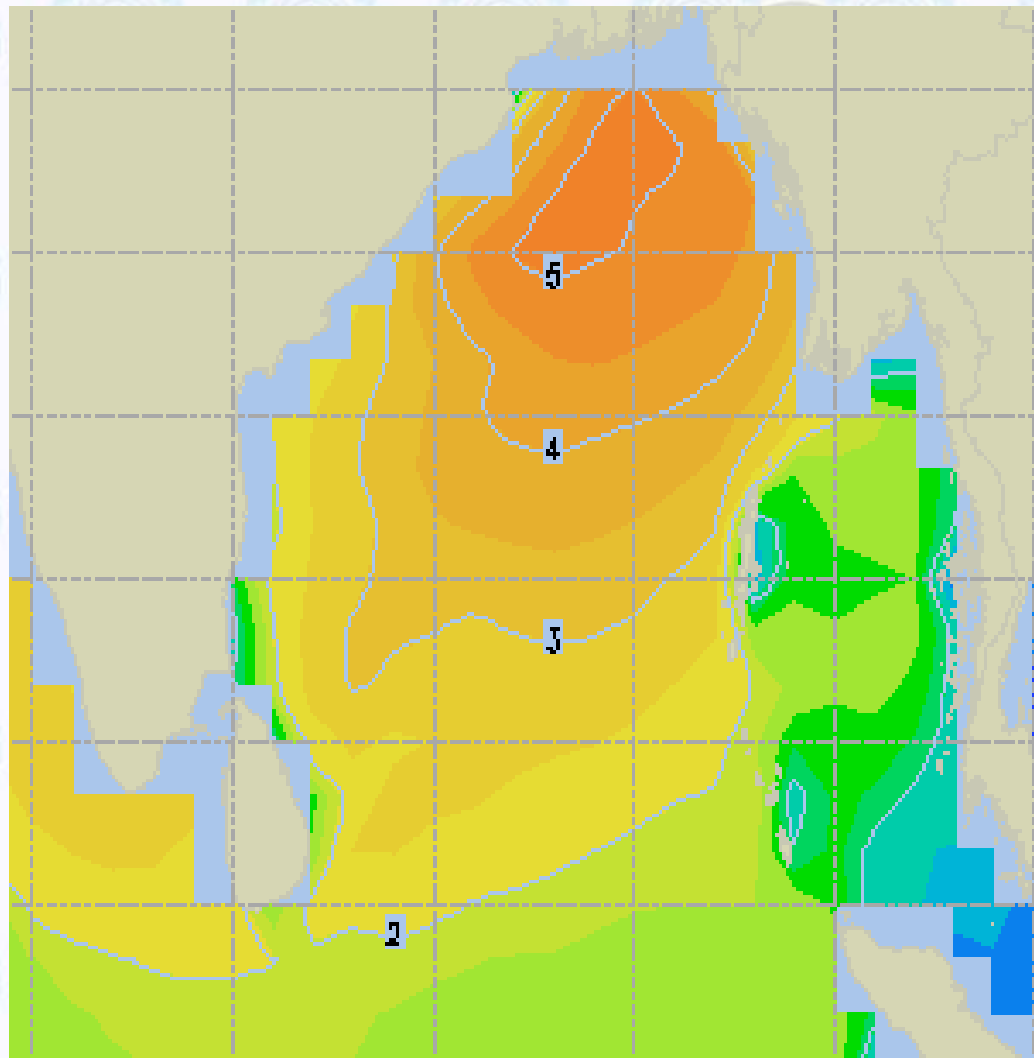
**10 Knots**



**60 Knots**



# Sea State Forecast – 22 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

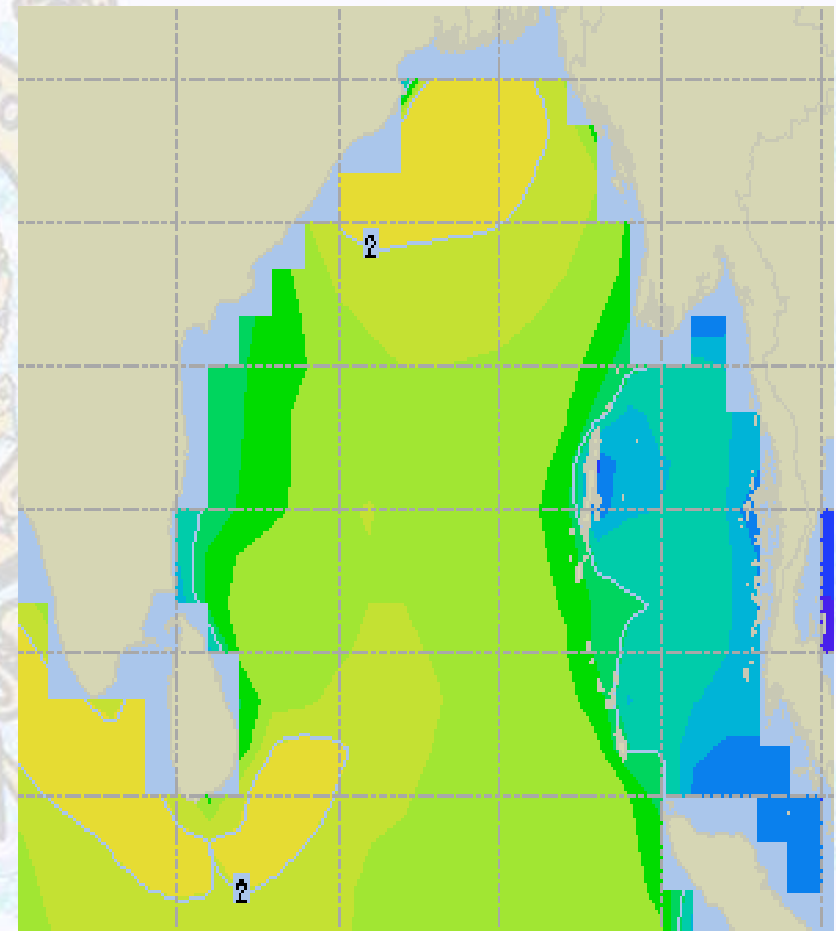
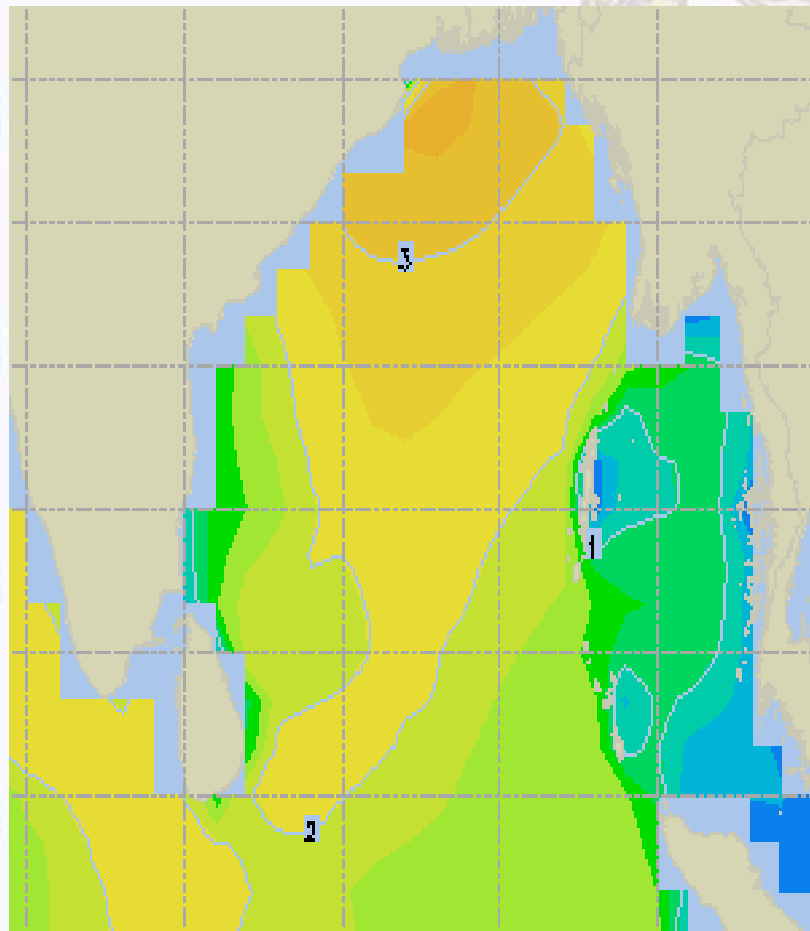




# Sea State Forecast – 23 & 24 Sep - 2020

23 Sep 20 Wednesday

24 Sep 20 Thursday

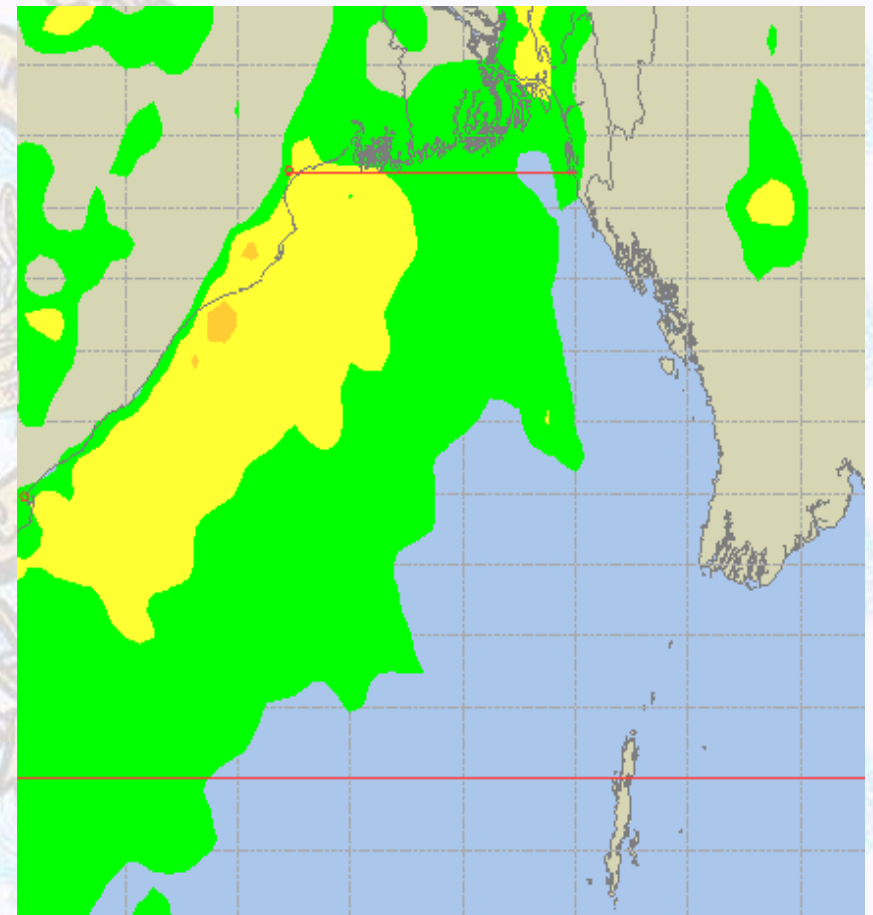
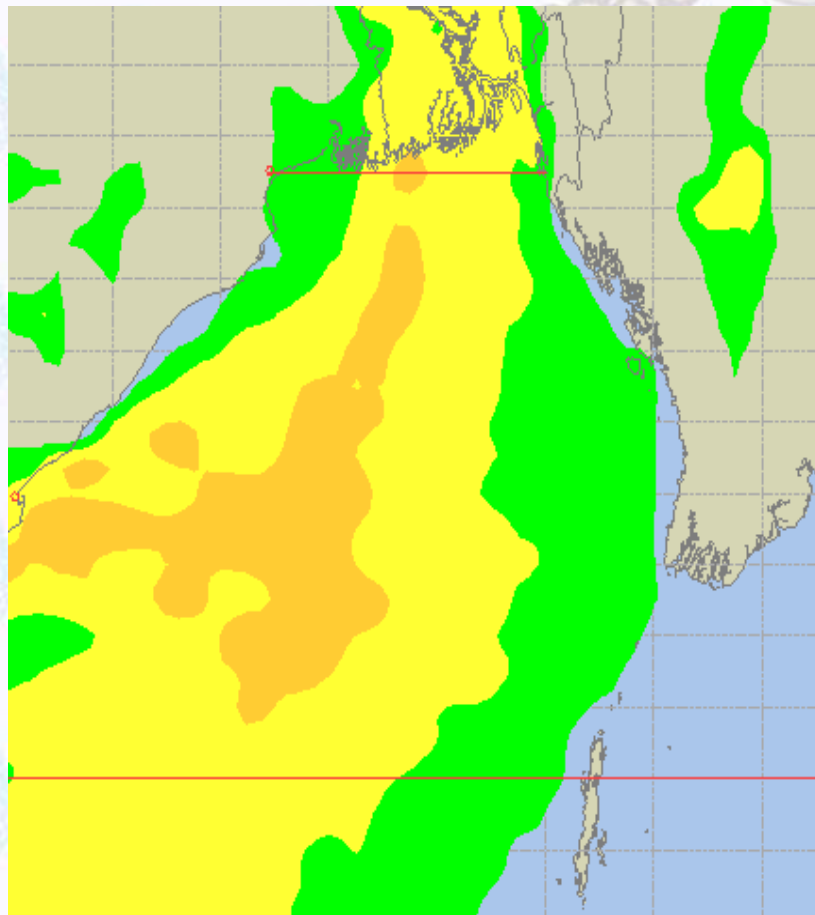




# Peak Gusting Possibilities— 22 & 23 Sep 2020

22 Sep 20 Tuesday

23 Sep 20 Wednesday

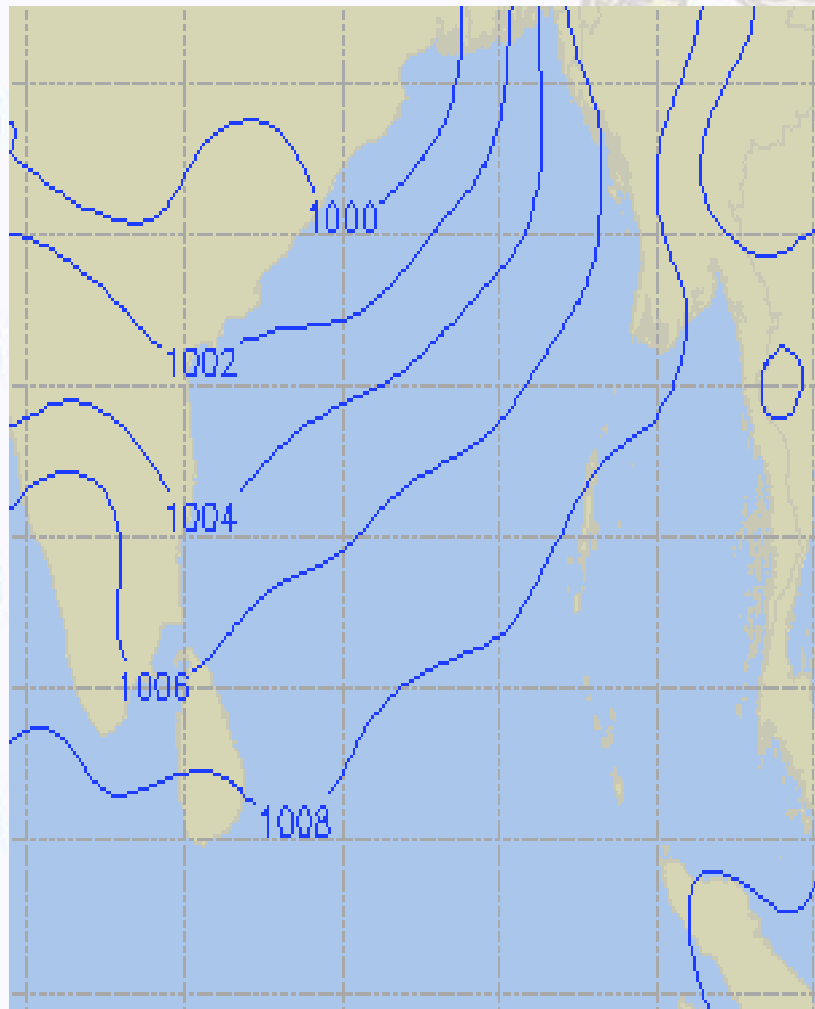




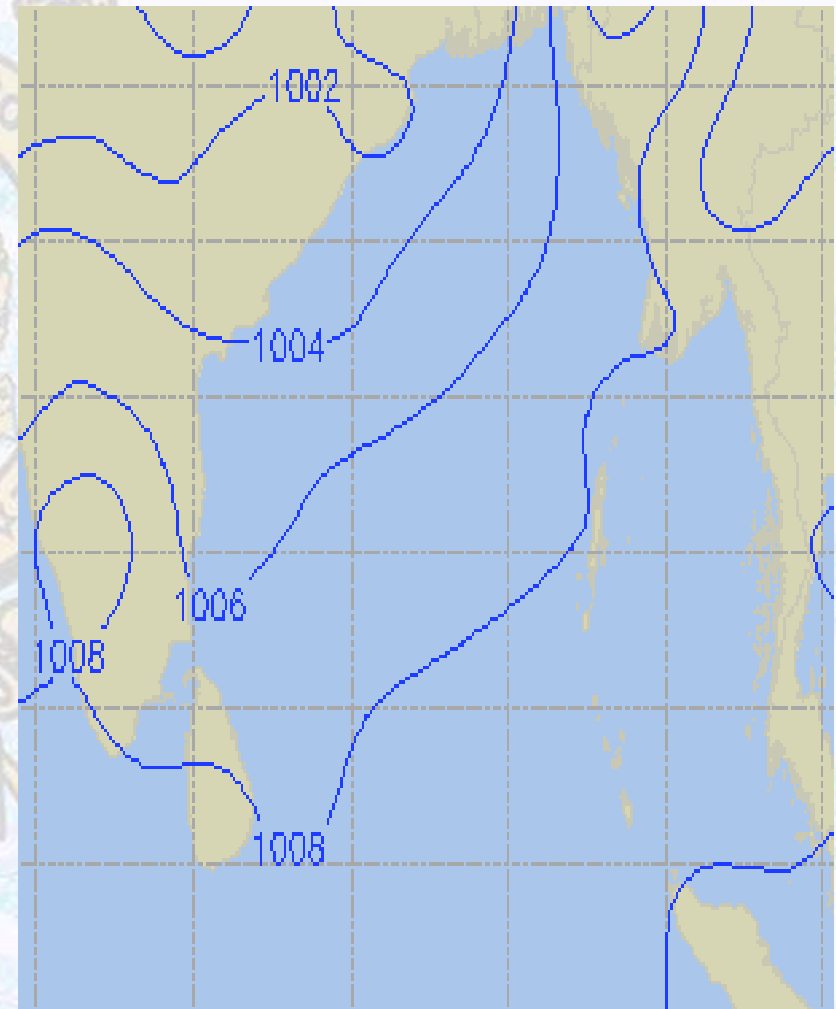


# Surface Pressure forecast– 22 & 23 Sep 2020

22 Sep 20 Tuesday



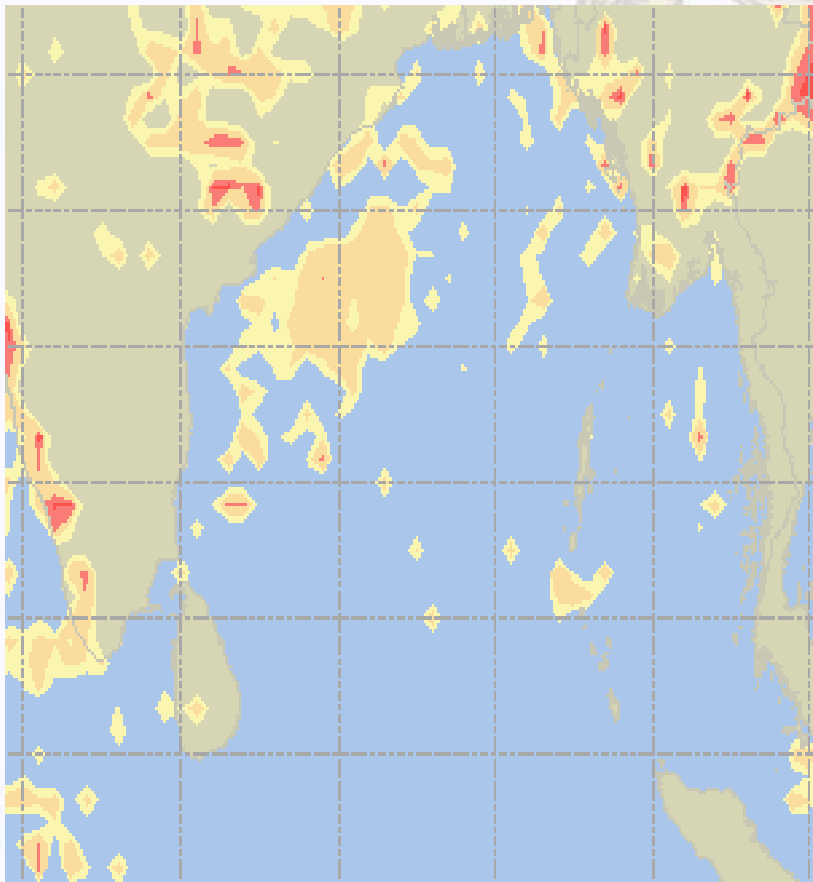
23 Sep 20 Wednesday



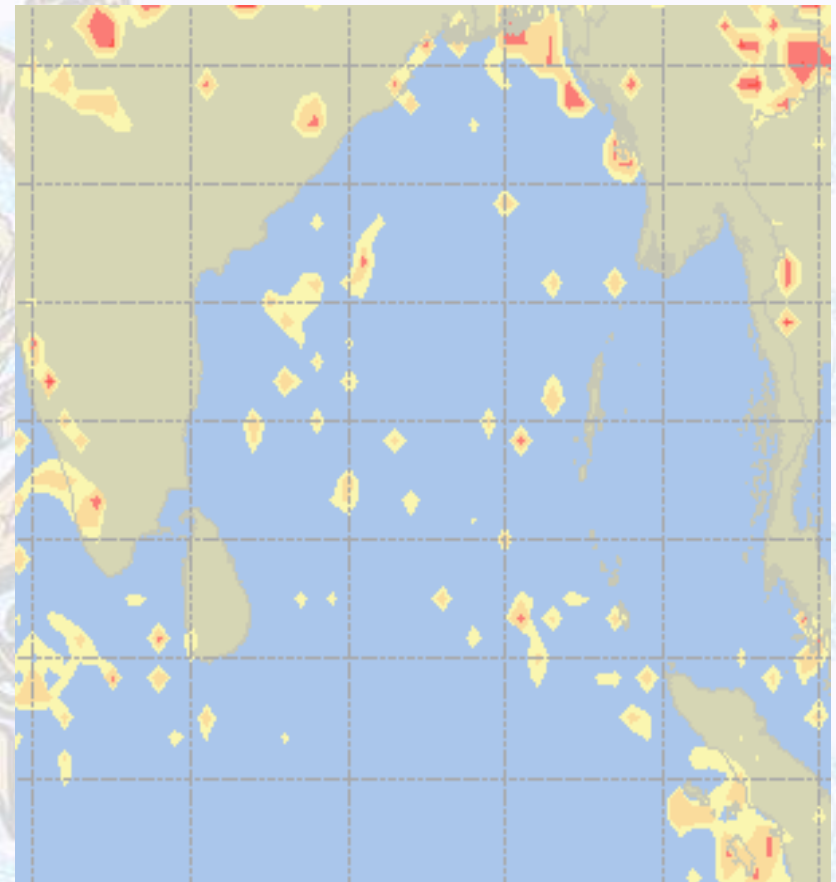


# Visibility at Sea Forecast – 22 & 23 Sep 2020

22 Sep 20 Tuesday



23 Sep 20 Wednesday



**Visibility Scale:**

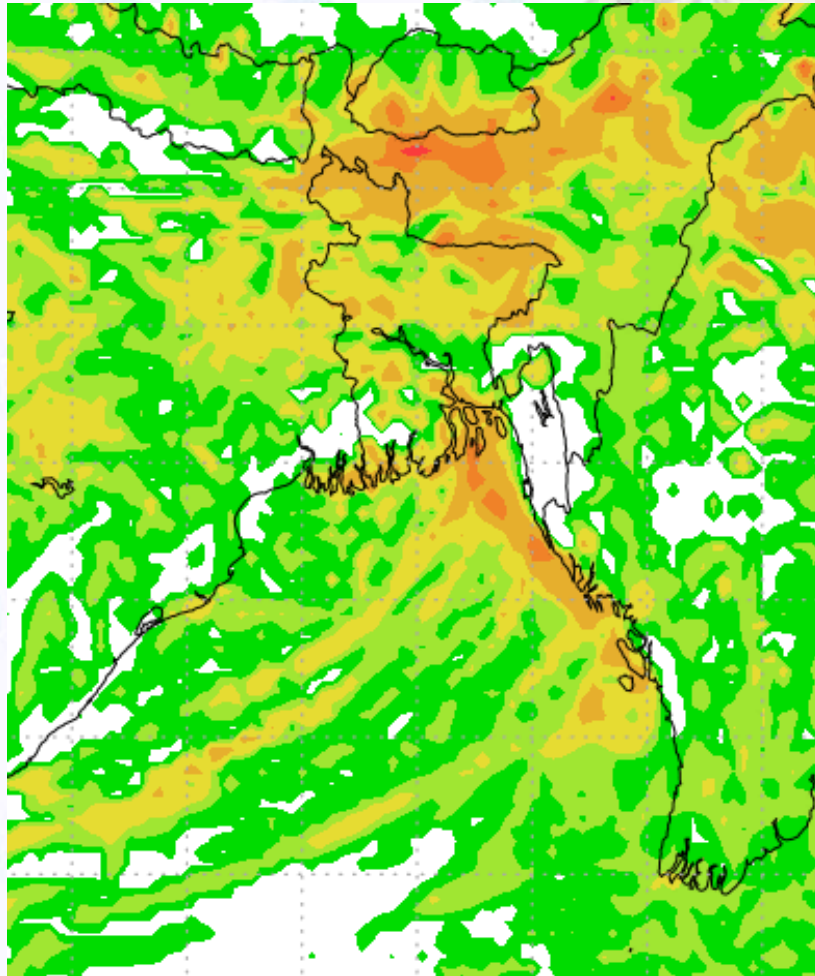


Ref (Slide 12-18): <http://www.weatheronline.co.uk/marine/weather?LEVEL>

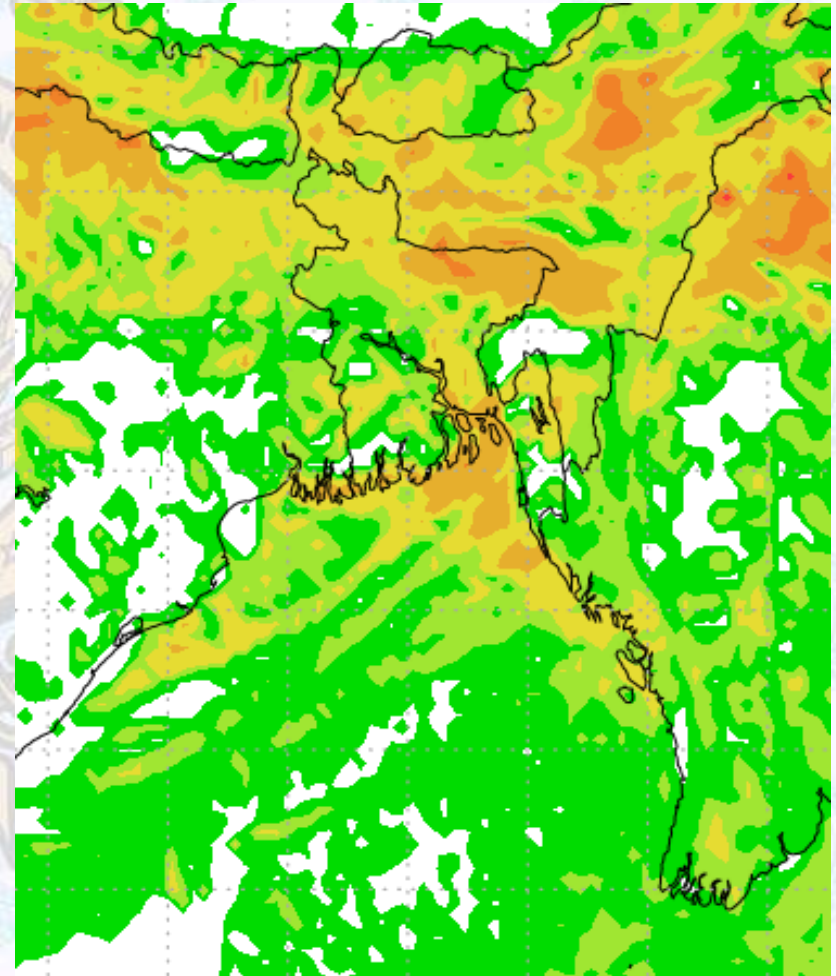


# Precipitation

Rain(mm) 22 & 23 Sep 2020



Rain(mm) 23 & 24 Sep 2020



Precipitation Scale (mm):





# Tidal Information

## KHAL NO. 10

## COX'S BAZAR

## HIRAN POINT

	Time	Height		Time	Height		Time	Height
22 Sep 2020	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
23 Sep 2020	Time	Height		Time	Height		Time	Height
	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
24 Sep 2020	Time	Height		Time	Height		Time	Height
	0555	4.52		0319	3.02		0304	2.83
	1234	1.28		1001	1.24		0938	1.50
	1840	4.01		1552	2.71		1529	2.48
	-	-		2230	1.32		2151	1.49