



# **WEATHER FORECAST FOR BN**

***18 AUG- 21 AUG 2020***



# WEATHER FORECAST – DHAKA

## 18.08.2020

Hourly	2 PM	4 PM	8 PM	11 PM
Temp. / Dew Point	30 / 26	30 / 26	28 / 26	28 / 25
Wind	19 km/h SSE	20 km/h SE	11 km/h SE	10 km/h SE
Humidity	82%	80%	82%	87%
Chance of Precip	47%	64%	68%	45%
Cloud Cover	85%	87%	81%	90%
Conditions	Cloudy/ Light Rain	Cloudy/ Light Rain	Cloudy/ Light Rain	Cloudy/ Light Rain
Sunrise Sunset	5: 35 AM 6: 29 PM			

### Conditions

Pressure : 1000 hpa

Visibility : 4.02 km

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



# WEATHER FORECAST – CHATTOGRAM

## 18.08.2020

Hourly	2 PM	4 PM	8 PM	11 PM
Temp. / Dew Point	29 / 27	28 / 26	27 / 26	27 / 26
Wind	20 km/h S	20 km/h S	18 km/h SSE	17 km/h SSE
Humidity	90%	88%	92%	90%
Chance of Precip.	25%	45%	74%	86%
Cloud Cover	90%	92%	89%	94%
Conditions	Light Rain	Light Rain	Rain	Rain
Sunrise	5: 31 AM			
Sunset	6: 21 PM			

### Conditions

Pressure : 1003 hpa

Visibility : 8.07 Km

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



# WEATHER FORECAST – KHULNA

## 18.08.2020

Hourly	2 PM	4 PM	8 PM	11 PM
Temp. / Dew Point	30 / 28	30 / 28	28 / 27	28 / 27
Wind	19 km/h S	19 km/h S	12 km/h SSE	10 km/h S
Humidity	82%	87%	90%	92%
Chance of Precip.	92%	84%	18%	33%
Cloud Cover	92%	95%	90%	86%
Conditions	Cloudy/ Light Rain	Cloudy/ Light Rain	Rain	Rain
Sunrise Sunset	5: 39 AM 6: 31 PM			

### Conditions

Pressure : 1000 hpa

Visibility : 14.48 Km

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



# GENERAL WEATHER FORECAST – DHAKA

Description	19 August 2020	20 August 2020	21 August 2020
<b>Temperature (C)</b>	30 °C/ 26 °C	29 °C/ 26 °C	29 °C/ 26 °C
<b>Summary</b>	Light Rain	Rain	Rain
<b>Sun Rise/Set</b>	5h35m42s/18h28m30s	5h36m18s/18h27m36s	5h36m42s/18h26m42s
<b>Day Length</b>	12h52m48s	12h51m18s	12h50m00s
<b>Moon Rise/ Set</b>	5:31AM 6:57PM	6:35AM 7:41PM	7:39AM 8:22PM
<b>Moon Phase/ illu</b>	New Moon, 0%	Waxing Crescent, 4%	Waxing Crescent, 10%
<b>Nautical Twilight</b>	04:42, 19:23	04:42, 19:23	04:42, 19:23
<b>Civil Twilight</b>	05:11, 18:55	05:11, 18:55	05:11, 18:55
<b>Humidity</b>	D : 81%    N : 85%	D : 83%    N : 86%	D : 83%    N : 86%
<b>Barometer (mb)</b>	998	1001	1004
<b>Visibility</b>	Moderate	Moderate	Moderate
<b>Precip Chance</b>	60%	90%	90%
<b>Wind (mph)</b>	21 Km/h ESE	23 Km/h ESE	15 Km/h SSE

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



# GENERAL WEATHER FORECAST – CHATTOGRAM

Description	19 August 2020	20 August 2020	21 August 2020
<b>Temperature (C)</b>	28 °C/ 25 °C	29 °C/ 26 °C	29 °C/ 25 °C
<b>Summary</b>	Rain	Rain	Rain
<b>Sun Rise/Set</b>	5h31m42s/18h21m06s	5h32m12s/18h20m12s	5h32m36s/18h19m24s
<b>Day Length</b>	12h49m24s	12h48m00s	12h46m48s
<b>Moon Rise/ Set</b>	5:27AM 6:49PM	6:30AM 7:34PM	7:39AM 8:22PM
<b>Moon Phase/ illu</b>	New Moon, 0%	Waxing Crescent, 4%	Waxing Crescent, 10%
<b>Nautical Twilight</b>	04:38, 19:17	04:38, 19:17	04:38, 19:17
<b>Civil Twilight</b>	05:04, 18:48	05:04, 18:48	05:04, 18:48
<b>Humidity</b>	D : 91% N : 92%	D : 89% N : 93%	D : 88% N : 93%
<b>Barometer (mb)</b>	1000	1003	1006
<b>Visibility</b>	Moderate	Moderate	Moderate
<b>Precip Chance</b>	100%	100%	900%
<b>Wind (mph)</b>	21 Km/h SE	25 Km/h SSE	19 Km/h S

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



# GENERAL WEATHER FORECAST – KHULNA

Description	19 August 2020	20 August 2020	21 August 2020
<b>Temperature(C)</b>	30°C/ 26°C	30°C/ 26°C	30°C/ 27°C
<b>Summary</b>	Rain	Rain	Rain
<b>Sun Rise/Set</b>	5h40m18s/18h30m48s	5h40m48s/18h29m54s	5h41m12s/18h29m06s
<b>Day Length</b>	12h50m30s	12h49m06s	12h47m54s
<b>Moon Rise/Set</b>	5:37AM 7:00PM	6:40AM 7:44PM	7:39AM 8:22PM
<b>Moon Phase/illu</b>	New Moon, 0%	Waxing Crescent, 4%	Waxing Crescent, 10%
<b>Nautical Twilight</b>	04:47, 19:24	04:47, 19:24	04:47, 19:24
<b>Civil Twilight</b>	05:15, 18:57	05:15, 18:57	05:15, 18:57
<b>Humidity</b>	D : 90% N : 95%	D : 92% N : 94%	D : 90% N : 93%
<b>Barometer (mb)</b>	997	999	1003
<b>Visibility</b>	Moderate	Moderate	Moderate
<b>Precip Chance</b>	80%	90%	90%
<b>Wind (mph)</b>	11 km/h ESE	18 km/h SE	16 km/h SE

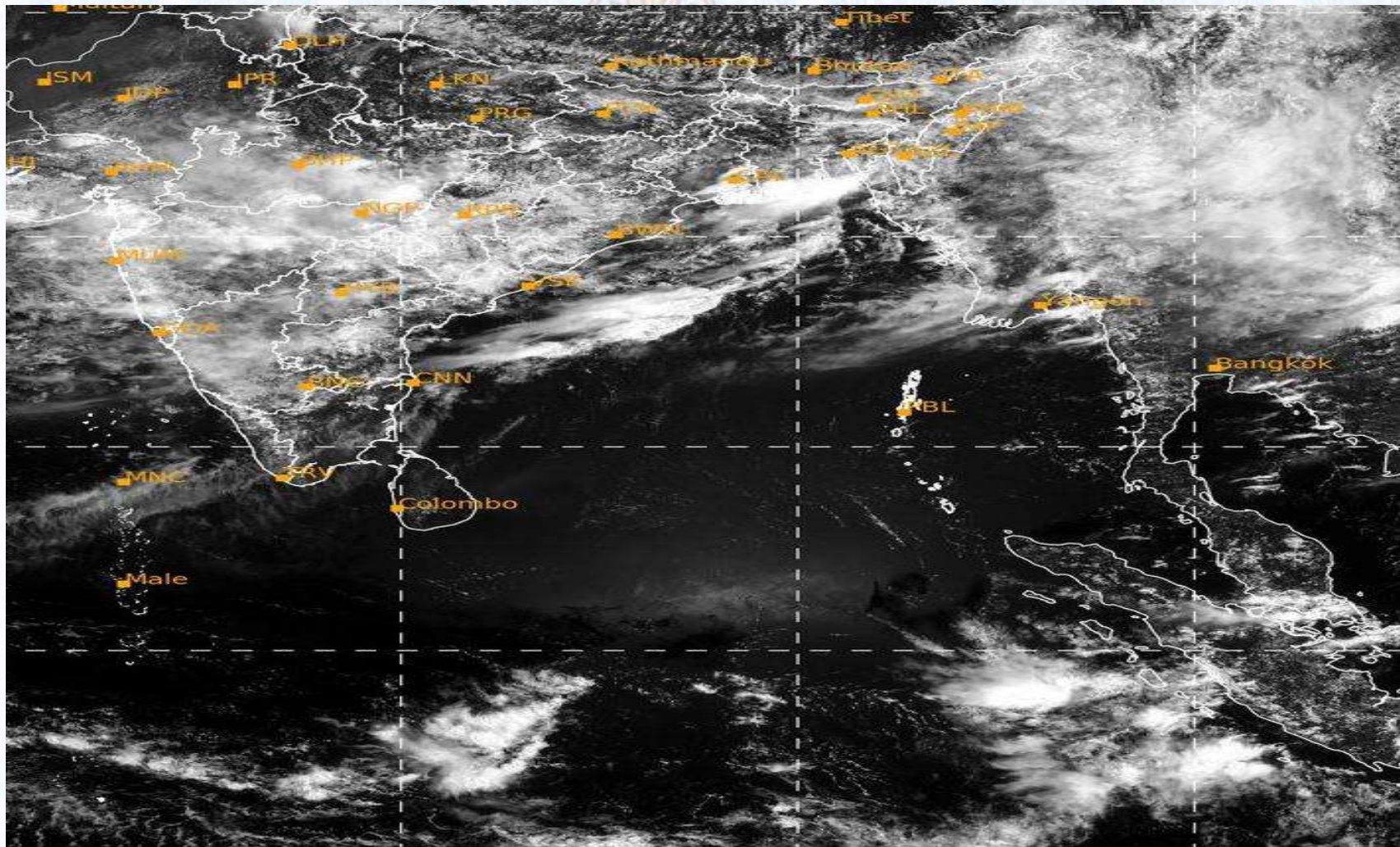
Ref: <https://weather.com/weather/5day//BGXX0005:1:BG>







# SATELLITE VIEW OF BAY OF BENGAL



18/08/2020, 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 18.08.2020)

<b>Part One</b>	WARNING BAY OF BENGAL..	
<b>Part Two</b>	TROUGH OF LOW LIES OVER NORTH BAY. MONSOON IS MODERATE TO STRONG OVER NORTH BAY. STEEP PRESSURE GRADIENT PERSISTS OVER NORTH BAY.	
<b>Part Three</b>	Weather	RAIN/THUNDER SHOWERS OVER AREA C-90.
	Wind	<b>SOUTH/SOUTH-WESTERLY</b> 12-18KTS, TEMPORARY GUSTING TO 28 KTS.
	Visibility	03-05 KMS, REDUCING TO <b>1000</b> M OR LESS IN RAIN/SHOWERS
	Outlook	FOR SUBSEQUENT 12 HOURS: LITTLE CHANGE.
	MSL Pressure	AT = 0000 UTC. CHATTOGRAM =1000 HPA



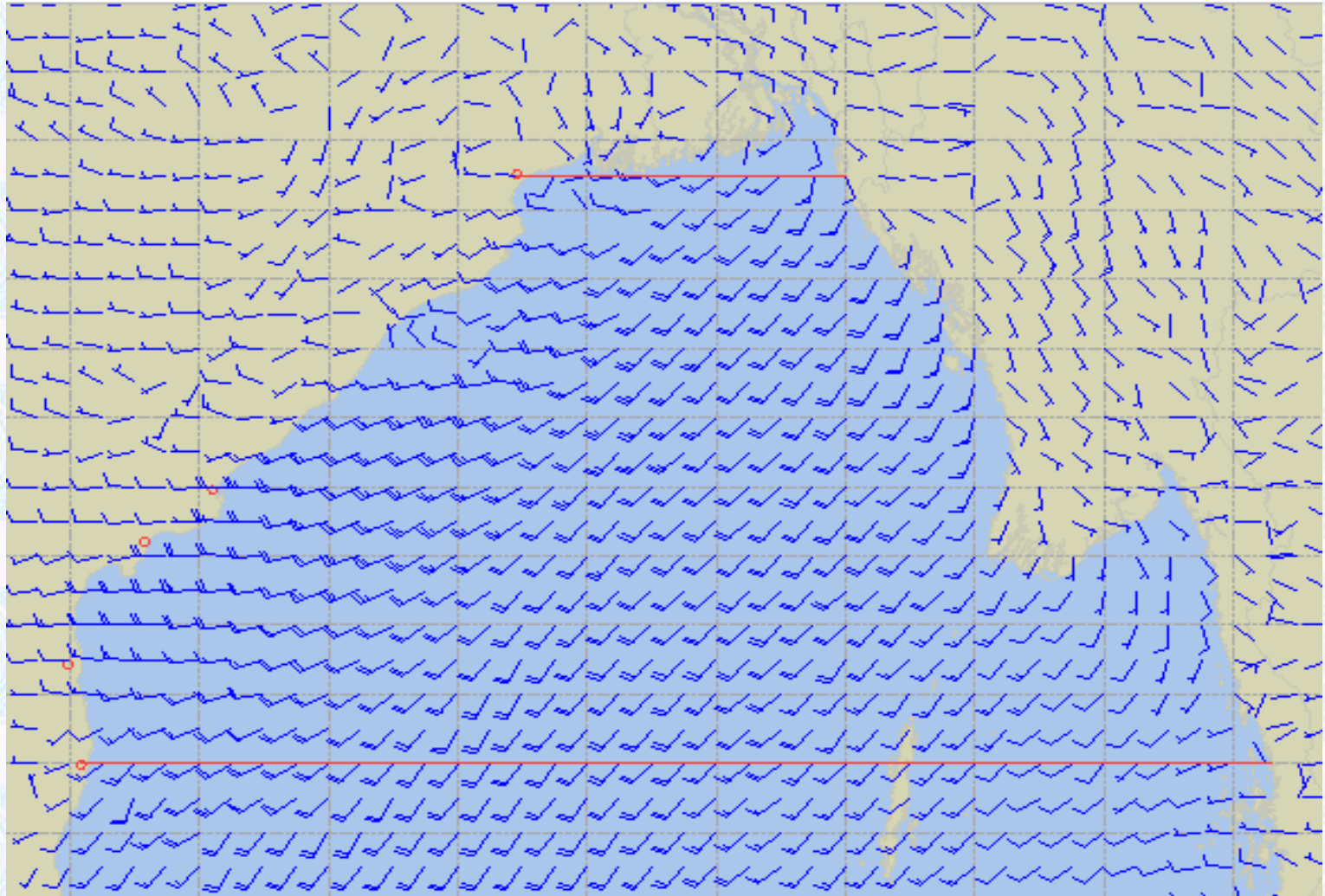
# Inland River Port Warning (VALID TILL 06 PM OF 18.08.2020)

RAIN/THUNDER SHOWERS ACCOMPANIED BY TEMPORARY **SOUTH/SOUTH-EASTERLY** GUSTY/SQUALLY WIND SPEED **45-60** KPH IS LIKELY TO OCCUR OVER THE REGIONS OF RAJSHAHI, PABNA, BOGURA, TANGAIL, DHAKA, FARIDPUR, MADARIPUR, JASHORE, KHULNA, BARISHAL, PATUAKHALI, NOAKHALI, CUMILLA, 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- 19 Aug- 2020



**Legend:**



**Calm  
Winds**



**5 Knots**



**10 Knots**



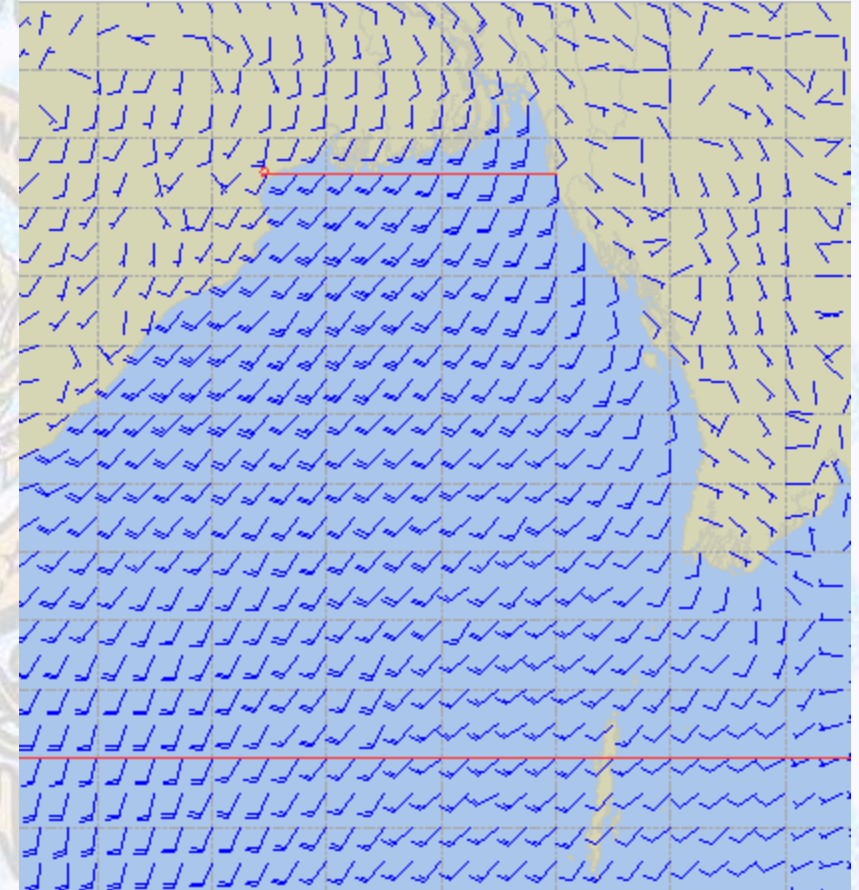
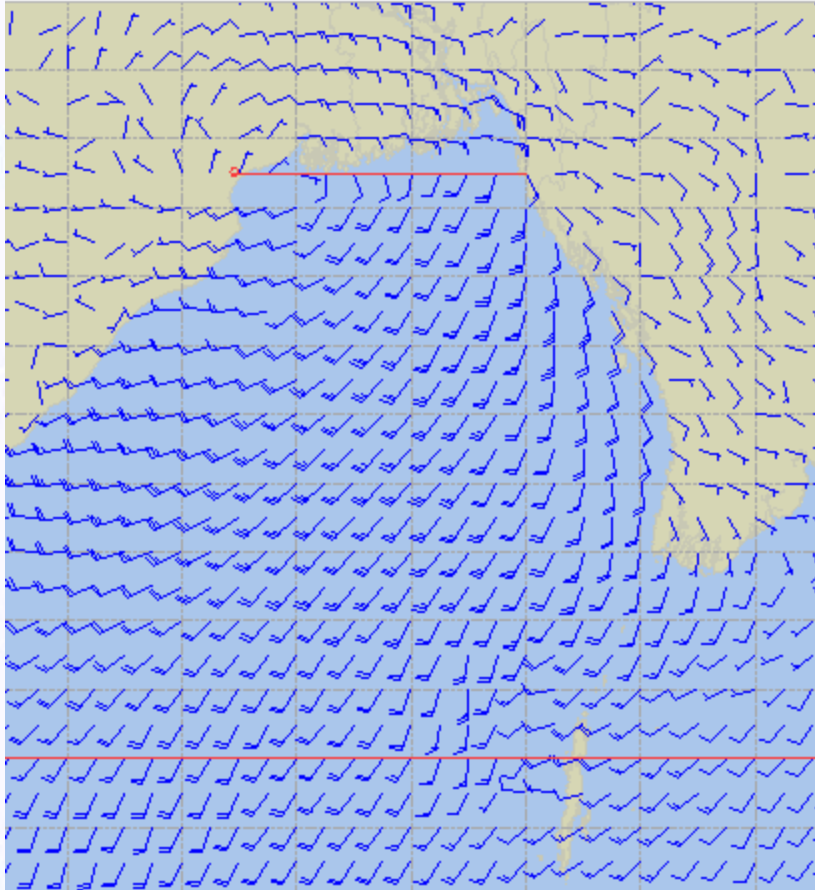
**60 Knots**



# Surface Wind Forecast – 20 & 21 Aug - 2020

20 August 20 Thursday

21 August 20 Friday



**Legend:**



**Calm  
Winds**



**5 Knots**



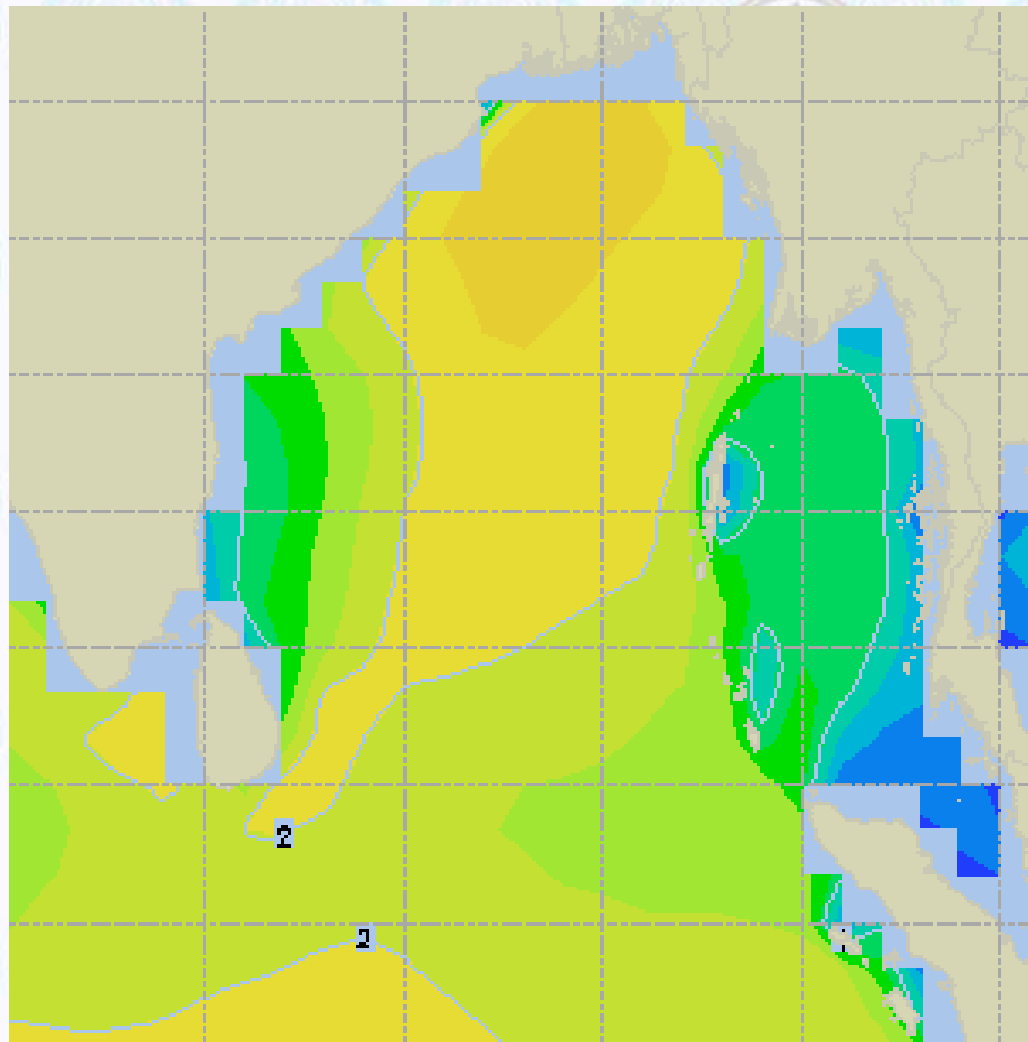
**10 Knots**



**60 Knots**



# Sea State Forecast – 19 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

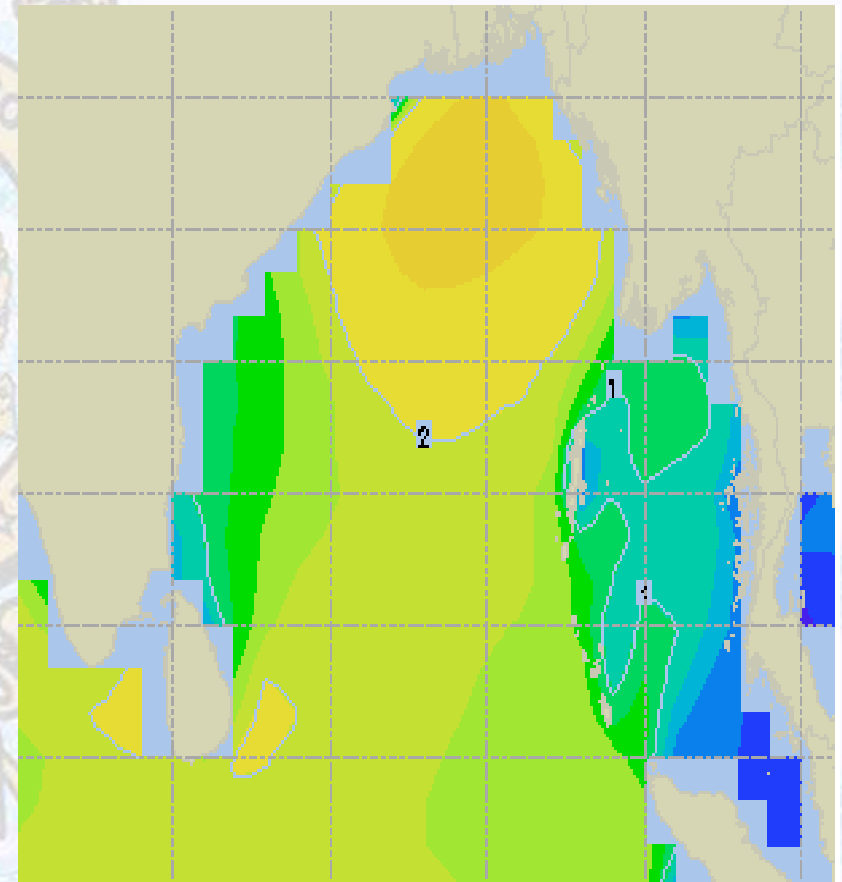
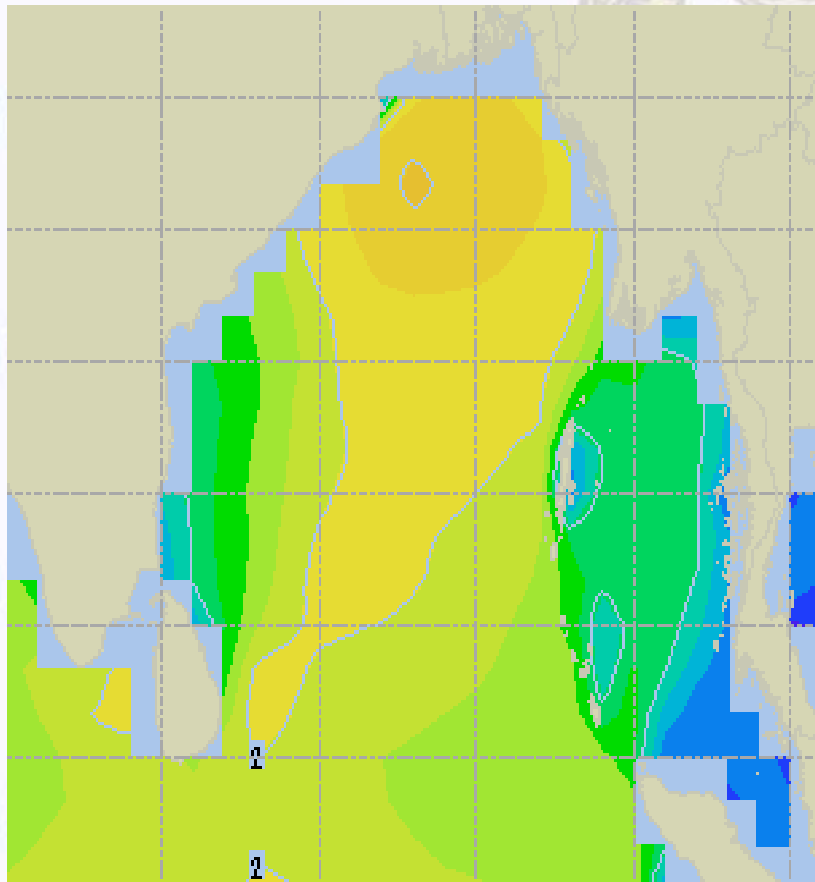




# Sea State Forecast – 20 & 21 Aug - 2020

20 August 20 Thursday

21 August 20 Friday

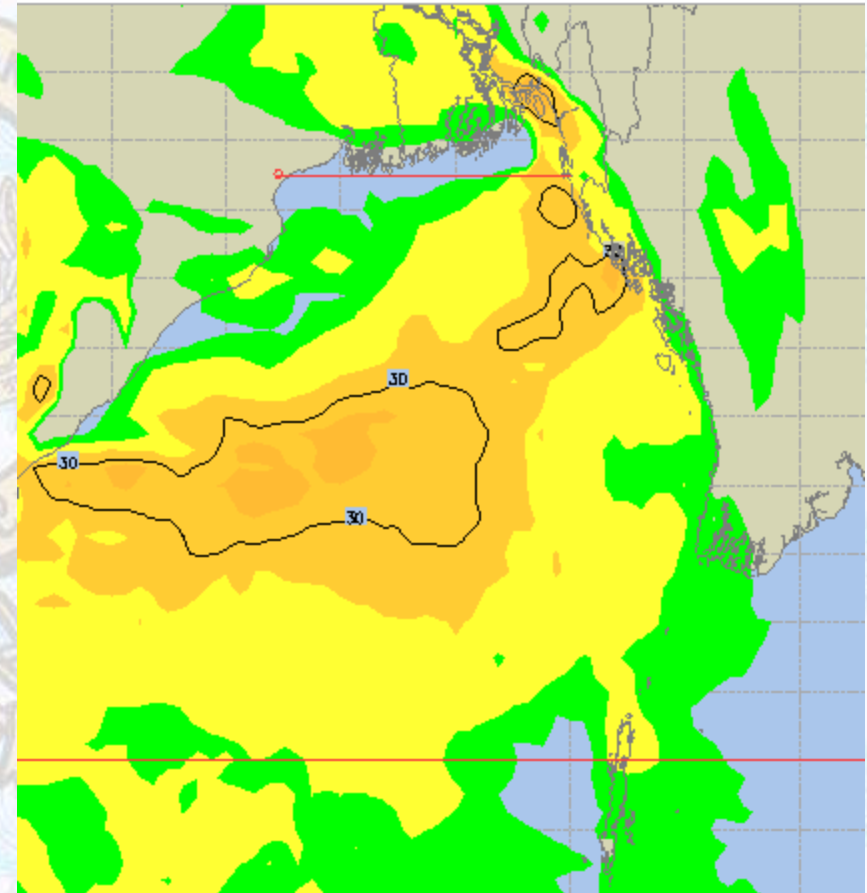
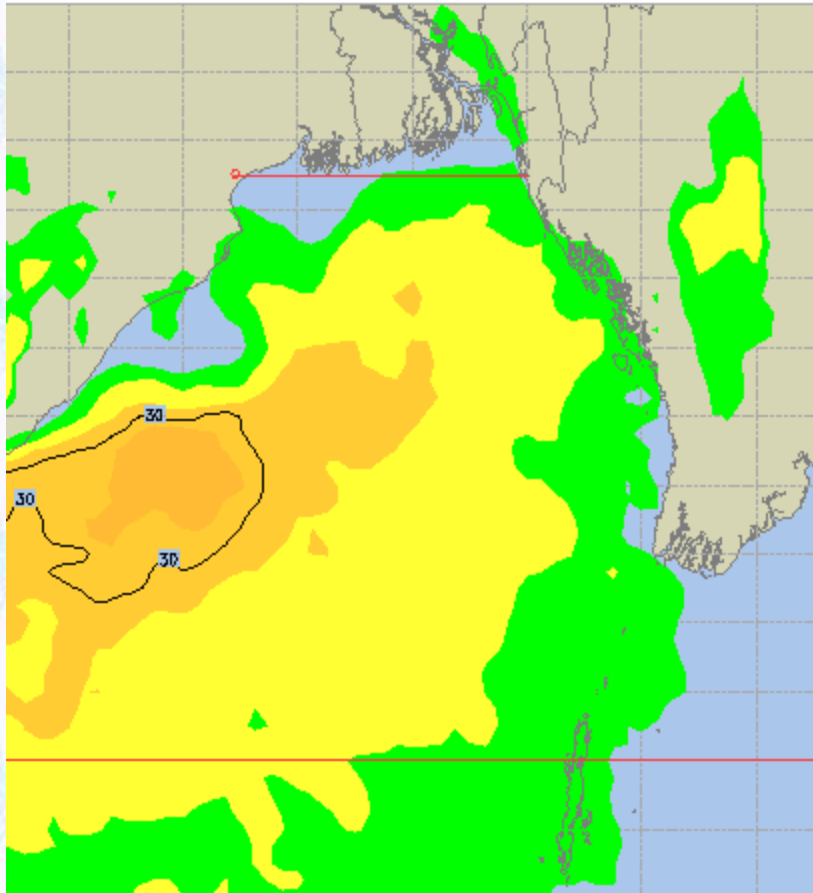




# Peak Gusting Possibilities– 19 & 20 Aug 2020

19 August 20 Wednesday

20 August 20 Thursday

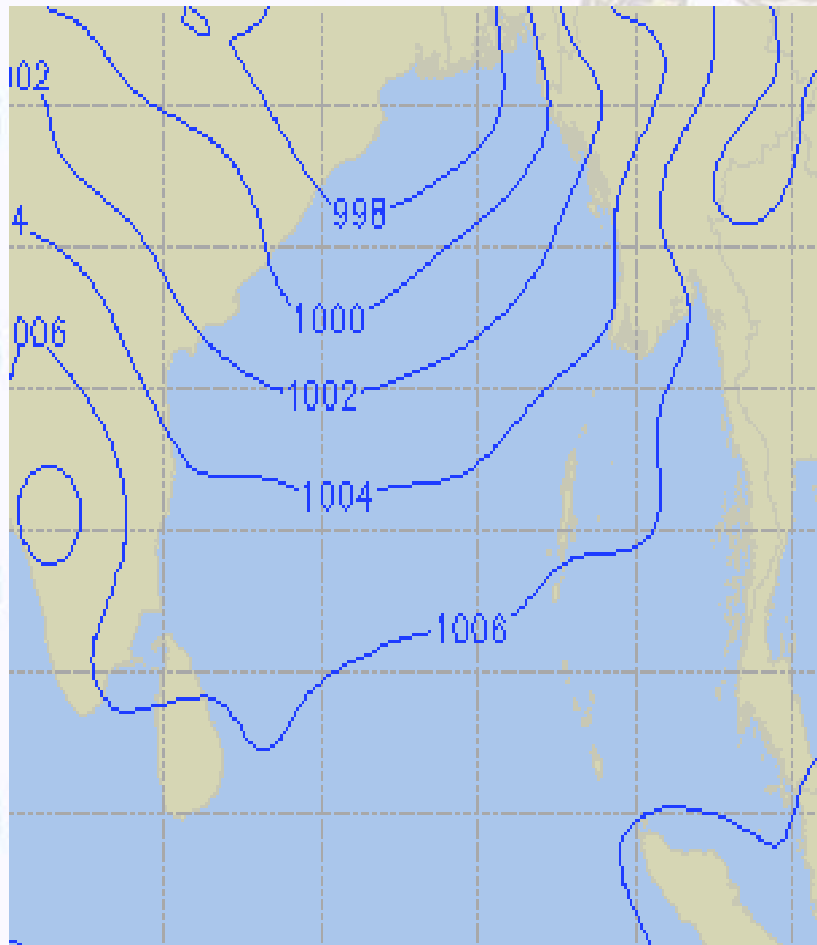




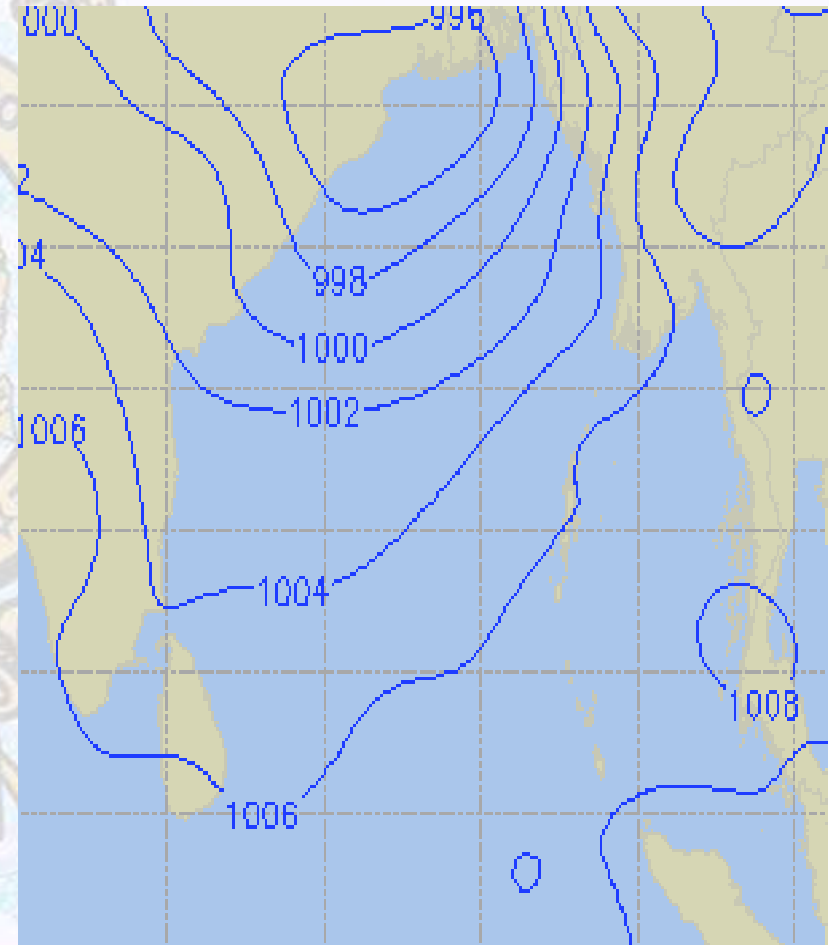


# Surface Pressure forecast– 19 & 20 Aug 2020

19 August 20 Wednesday



20 August 20 Thursday

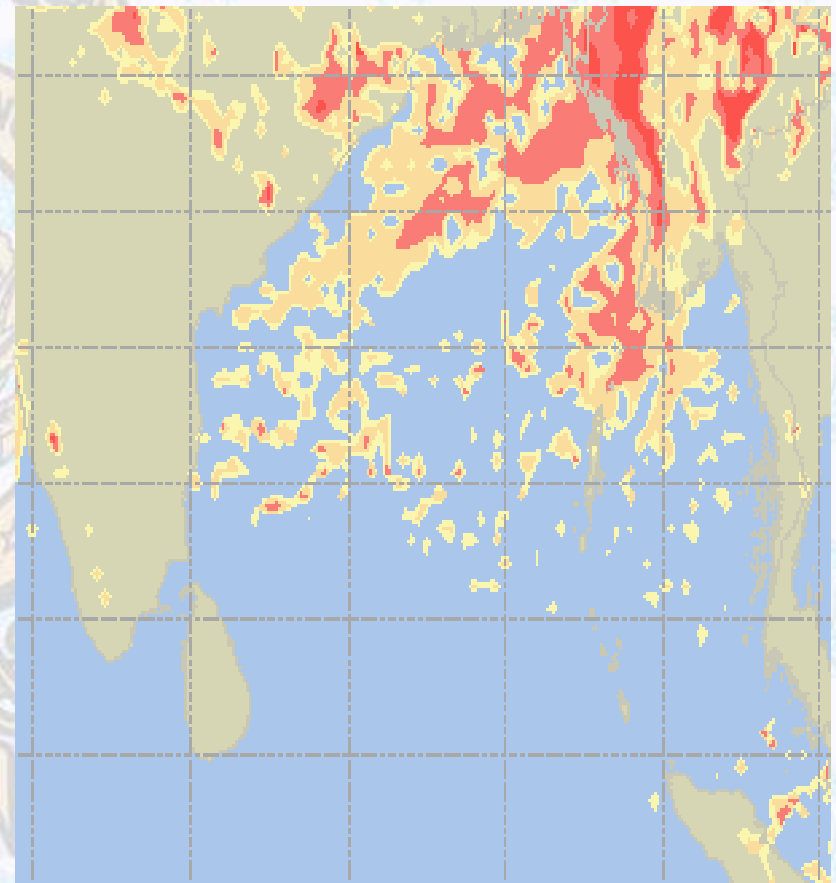
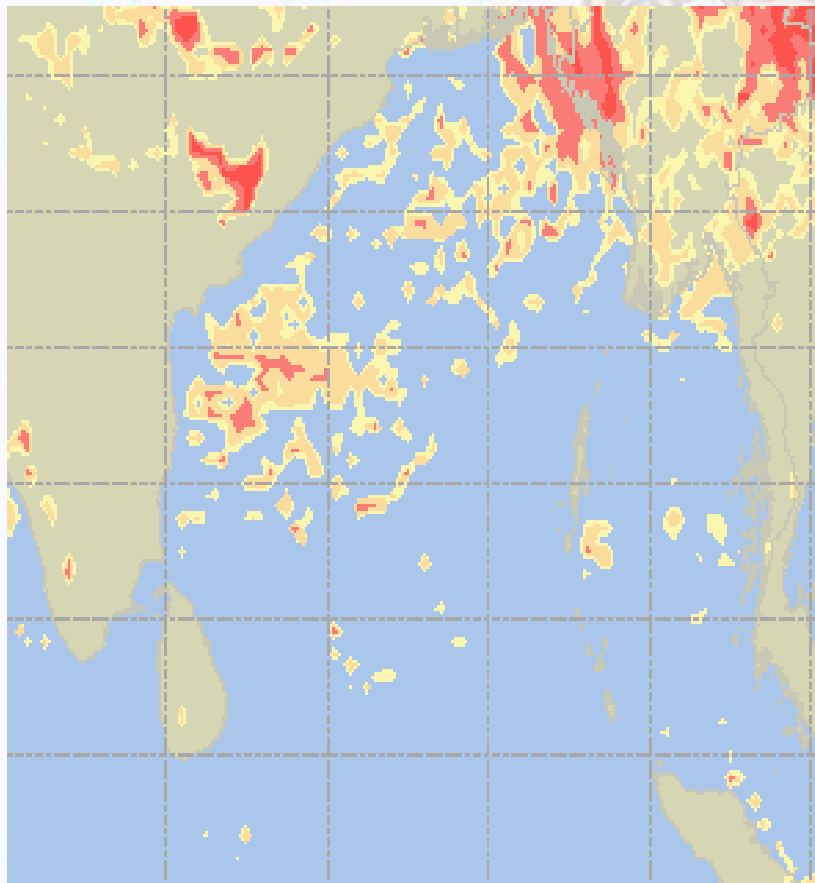




# Visibility at Sea Forecast – 19 & 20 Aug 2020

19 August 20 Wednesday

20 August 20 Thursday



**Visibility Scale:**

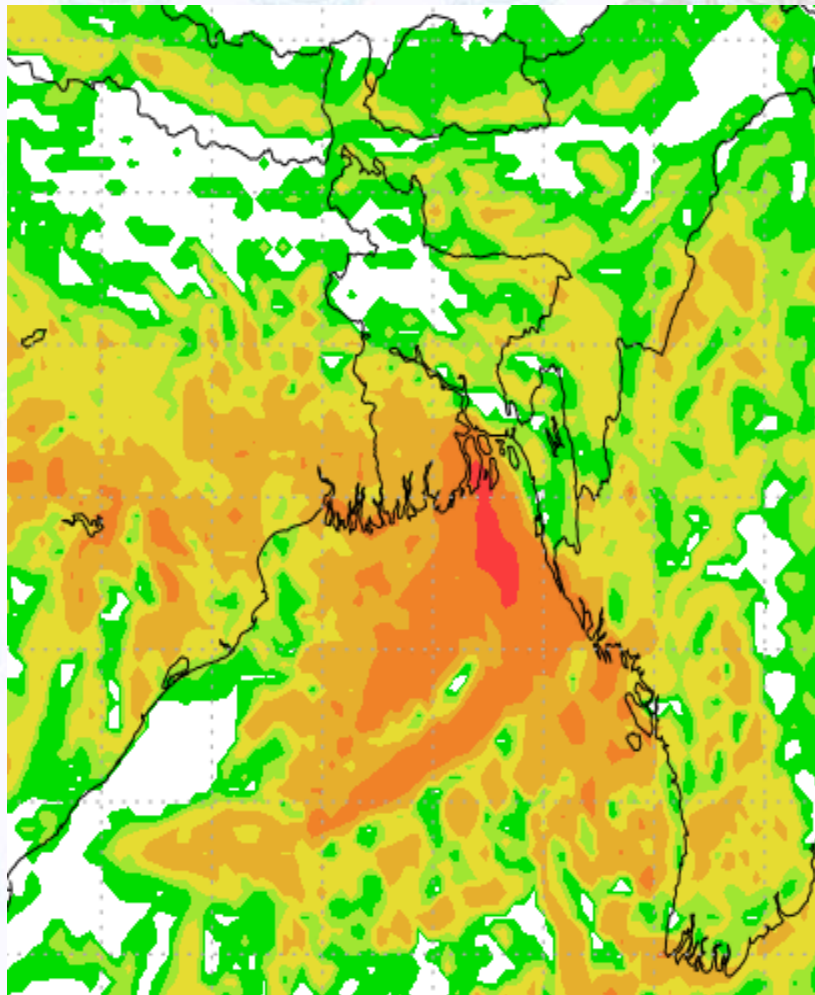


Ref (Slide 12-18): <http://www.weatheronline.co.uk/marine/weather?LEVEL>

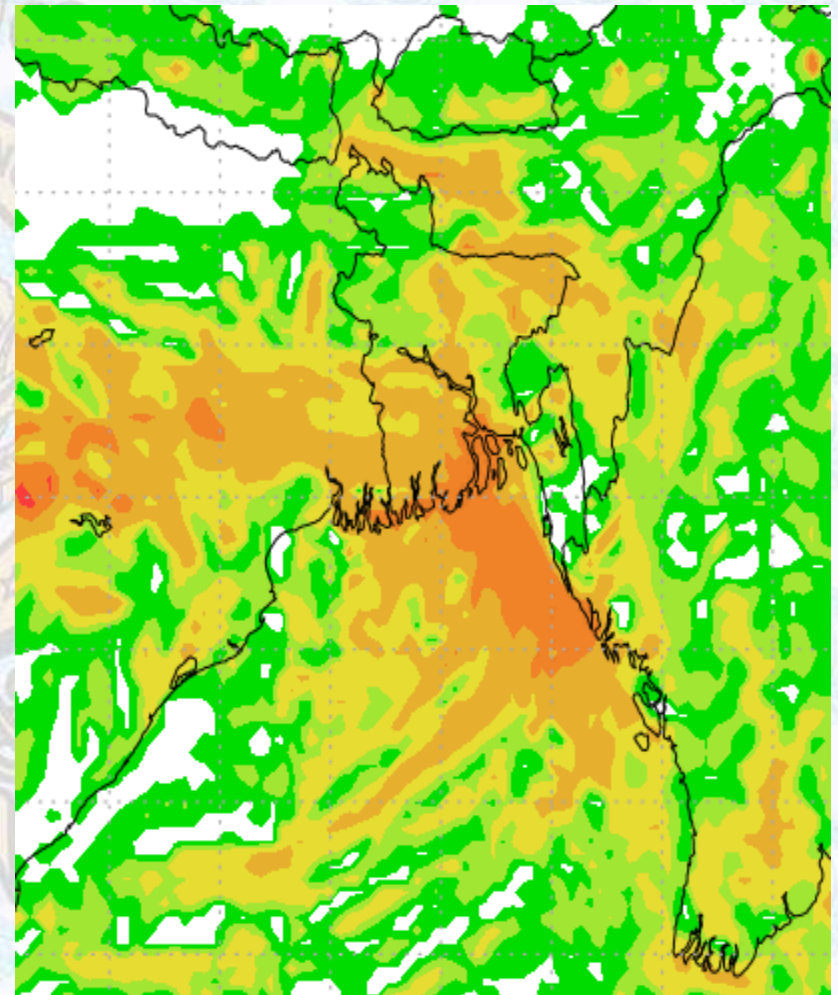


# Precipitation

Rain(mm) 19 & 20 Aug 2020



Rain(mm) 20 & 21 Aug 2020



**Precipitation Scale (mm):**





# Tidal Information

## KHAL NO. 10

## COX'S BAZAR

## HIRAN POINT

	Time	Height		Time	Height		Time	Height
<b>19 Aug 2020</b>	0053	5.05		0502	0.98		0435	0.89
	0717	0.85		1045	3.96		1038	3.51
	1303	5.51		1729	0.95		1713	0.85
	1951	0.78		2259	3.72		2303	3.32
<b>20 Aug 2020</b>	<b>Time</b>	<b>Height</b>		<b>Time</b>	<b>Height</b>		<b>Time</b>	<b>Height</b>
	0129	5.24		0544	0.89		0518	0.79
	0758	0.71		1124	4.04		1117	3.56
	1340	5.62		1809	0.88		1750	0.73
	2029	0.65		2339	3.79		2342	3.40
<b>21 Aug 2020</b>	<b>Time</b>	<b>Height</b>		<b>Time</b>	<b>Height</b>		<b>Time</b>	<b>Height</b>
	0206	5.37		0625	0.84		0558	0.75
	0838	0.63		1204	4.02		1155	3.55
	1419	5.56		1849	0.85		1827	0.68
	2106	0.56		-	-		-	-