



# **WEATHER FORECAST FOR BN**

***28 JAN - 31 JAN 2021***



# WEATHER FORECAST – DHAKA

## 28.01.2021

Hourly	2 PM	4 PM	8 PM	11 PM
Temp. / Dew Point	23 / 16	23 / 15	20 / 15	17 / 14
Wind	10 km/h NW	10 km/h NW	6 km/h NW	5 km/h WNW
Humidity	63%	60%	73%	80%
Chance of Precip	1%	1%	4%	5%
Cloud Cover	1%	1%	1%	1%
Conditions	Sunny	Sunny	Clear	Clear
Sunrise Sunset	06: 41 AM 17: 40 PM			

### Conditions

Pressure : 1017 hpa

Visibility : 1.80 km

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





# WEATHER FORECAST – CHATTOGRAM

## 28.01.2021

Hourly	2 PM	4 PM	8 PM	11 PM
Temp. / Dew Point	24 / 15	24 / 14	20 / 16	18 / 15
Wind	121km/h WNW	11 km/h WNW	10 km/h NW	9 km/h N
Humidity	57%	54%	77%	84%
Chance of Precip.	1%	1%	2%	4%
Cloud Cover	6%	10%	1%	1%
Conditions	Sunny	Sunny	Clear	Clear
Sunrise	06: 34 AM			
Sunset	17: 37 PM			

### Conditions

Pressure : 1016 hpa

Visibility : 3.8 Km

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



# WEATHER FORECAST – KHULNA

## 28.01.2021

Hourly	2 PM	4 PM	8 PM	11 PM
Temp. / Dew Point	23 / 11	23 / 11	17 / 13	15 / 12
Wind	11 km/h NNW	10 km/h NNW	5 km/h NNW	4 km/h NW
Humidity	48%	48%	75%	83%
Chance of Precip.	1%	1%	3%	5%
Cloud Cover	1%	1%	1%	1%
Conditions	Sunny	Sunny	Clear	Clear
Sunrise Sunset	06: 43 AM 17: 45 PM			

### Conditions

Pressure : 1017 hpa

Visibility : 4.5 Km

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





# GENERAL WEATHER FORECAST – DHAKA

Description	29 Jan 2021	30 Jan 2021	31 Jan 2021
<b>Temperature (C)</b>	25 °C/ 15 °C	23 °C/ 13 °C	23 °C/ 13 °C
<b>Summary</b>	AM Fog/ PM Hazy	AM Fog/ PM Hazy	AM Fog/ PM Hazy
<b>Sun Rise/Set</b>	6h40m30s/17h42m48s	6h40m12s/17h43m36s	6h39m48s/17h44m18s
<b>Day Length</b>	11h02m18s	11h03m24s	11h04m30s
<b>Moon Rise/ Set</b>	6:17AM 7:07AM	7:19AM 7:52AM	8:20AM 8:34AM
<b>Moon Phase/ illu</b>	Full Moon, 99%	Waning Gibbous, 97%	Waning Gibbous, 92%
<b>Nautical Twilight</b>	05:47,18:33	05:47,18:34	05:46,18:34
<b>Civil Twilight</b>	06:15,18:05	06:14,18:05	06:14,18:06
<b>Humidity</b>	D : 75% N : 80%	D : 70% N : 77%	D : 67% N : 77%
<b>Barometer (mb)</b>	1014	1014	1015
<b>Visibility</b>	Hazy/ Moderate	Hazy/ Moderate	Hazy/ Moderate
<b>Precip Chance</b>	5%	5%	5%
<b>Wind (mph)</b>	10 Km/h WNW	8 Km/h WNW	8 Km/h NW

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



# GENERAL WEATHER FORECAST– CHATTOGRAM

Description	29 Jan 2021	30 Jan 2021	31 Jan 2021
<b>Temperature (C)</b>	25 °C/ 14 °C	25 °C/ 15 °C	25 °C/ 13 °C
<b>Summary</b>	AM Fog/ PM Hazy	AM Fog/ PM Hazy	AM Fog/ PM Hazy
<b>Sun Rise/Set</b>	6h32m24s/ 17h39m18s	6h32m06s/ 17h40m06s	6h31m42s/ 17h40m48s
<b>Day Length</b>	11h06m54s	11h08m00s	11h09m06s
<b>Moon Rise/ Set</b>	6:14AM 6:58AM	7:15AM 7:45AM	8:15AM 8:27AM
<b>Moon Phase/ illu</b>	Full Moon, 99%	Waning Gibbous, 97%	Waning Gibbous, 92%
<b>NauticalTwilight</b>	05:40, 18:28	05:39, 18:28	05:39, 18:29
<b>Civil Twilight</b>	06:07, 17:59	06:07, 18:01	06:06, 18:01
<b>Humidity</b>	D : 671% N : 88%	D : 68% N : 83%	D : 58% N : 75%
<b>Barometer (mb)</b>	1014	1014	1015
<b>Visibility</b>	Hazy/ Moderate	Hazy/ Moderate	Hazy/ Moderate
<b>Precip Chance</b>	5%	5%	5%
<b>Wind (mph)</b>	12 Km/h NW	11 Km/h NW	11 Km/h NNW

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





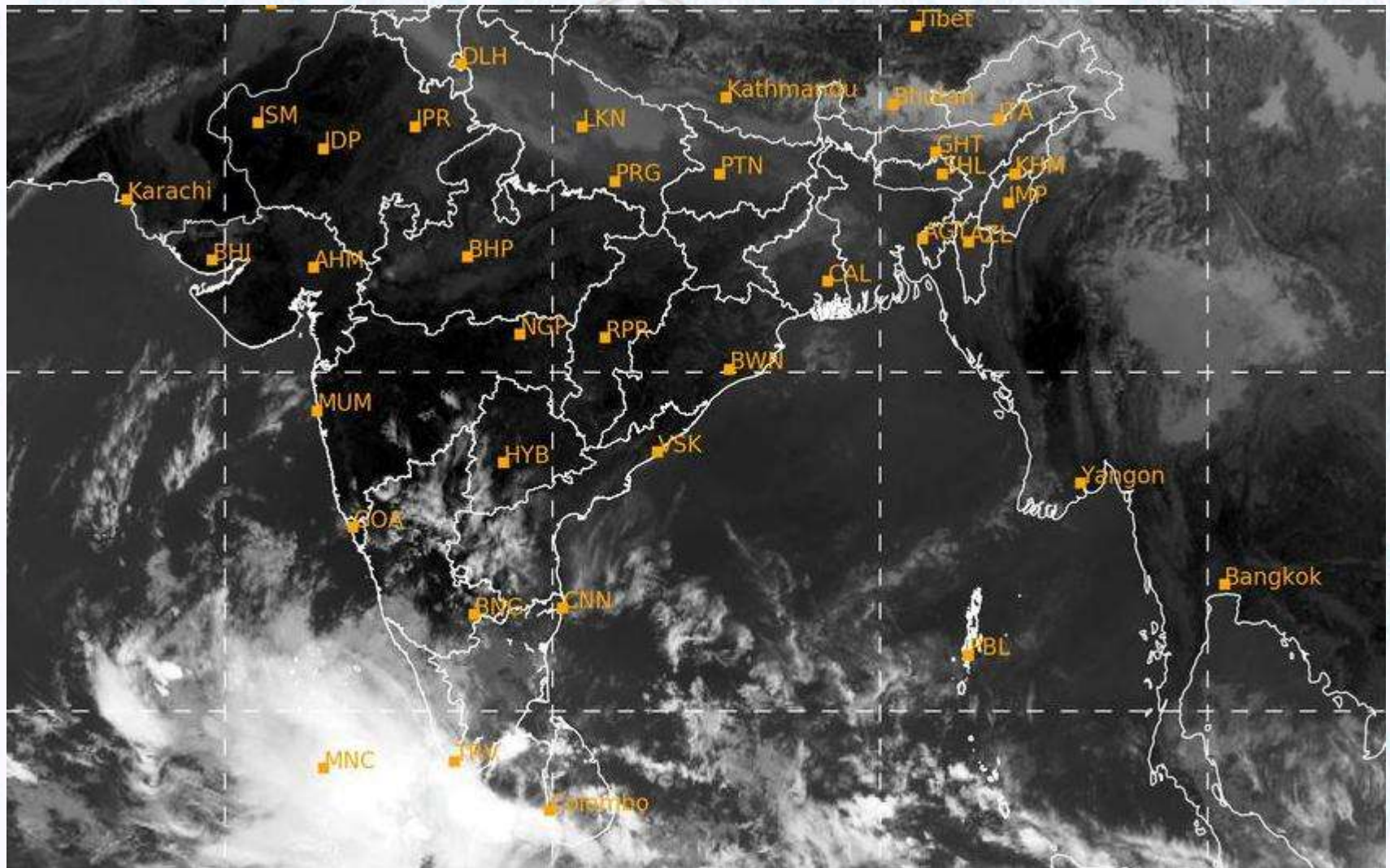
# GENERAL WEATHER FORECAST – KHULNA

Description	29 Jan 2021	30 Jan 2021	31 Jan 2021
<b>Temperature(C)</b>	25°C/ 15°C	23°C/ 12°C	23°C/ 12°C
<b>Summary</b>	AM Fog / PM Hazy	AM Fog / PM Hazy	AM Fog / PM Hazy
<b>Sun Rise/Set</b>	6h42m18s/ 17h47m42s	6h42m00s/ 17h48m30s	6h41m42s/ 17h49m12s
<b>Day Length</b>	10h05m24s	10h06m30s	10h07m30s
<b>Moon Rise/Set</b>	6:23AM 7:09AM	7:24AM 7:55AM	8:24AM 8:37AM
<b>Moon Phase/illu</b>	Full Moon, 99%	Waning Gibbous, 97%	Waning Gibbous, 92%
<b>Nautical Twilight</b>	05:49, 18:36	05:49, 18:37	05:48, 18:37
<b>Civil Twilight</b>	06:19, 18:07	06:19, 18:07	06:18, 18:08
<b>Humidity</b>	D : 70% N : 78%	D : 67% N : 78%	D : 63% N : 77%
<b>Barometer (mb)</b>	1015	1014	1015
<b>Visibility</b>	Hazy/ Moderate	Hazy/ Moderate	Hazy/ Moderate
<b>Precip Chance</b>	5%	10%	5%
<b>Wind (mph)</b>	11 km/h NW	10 km/h NW	9 km/h NNW

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



# SATELLITE VIEW OF BAY OF BENGAL



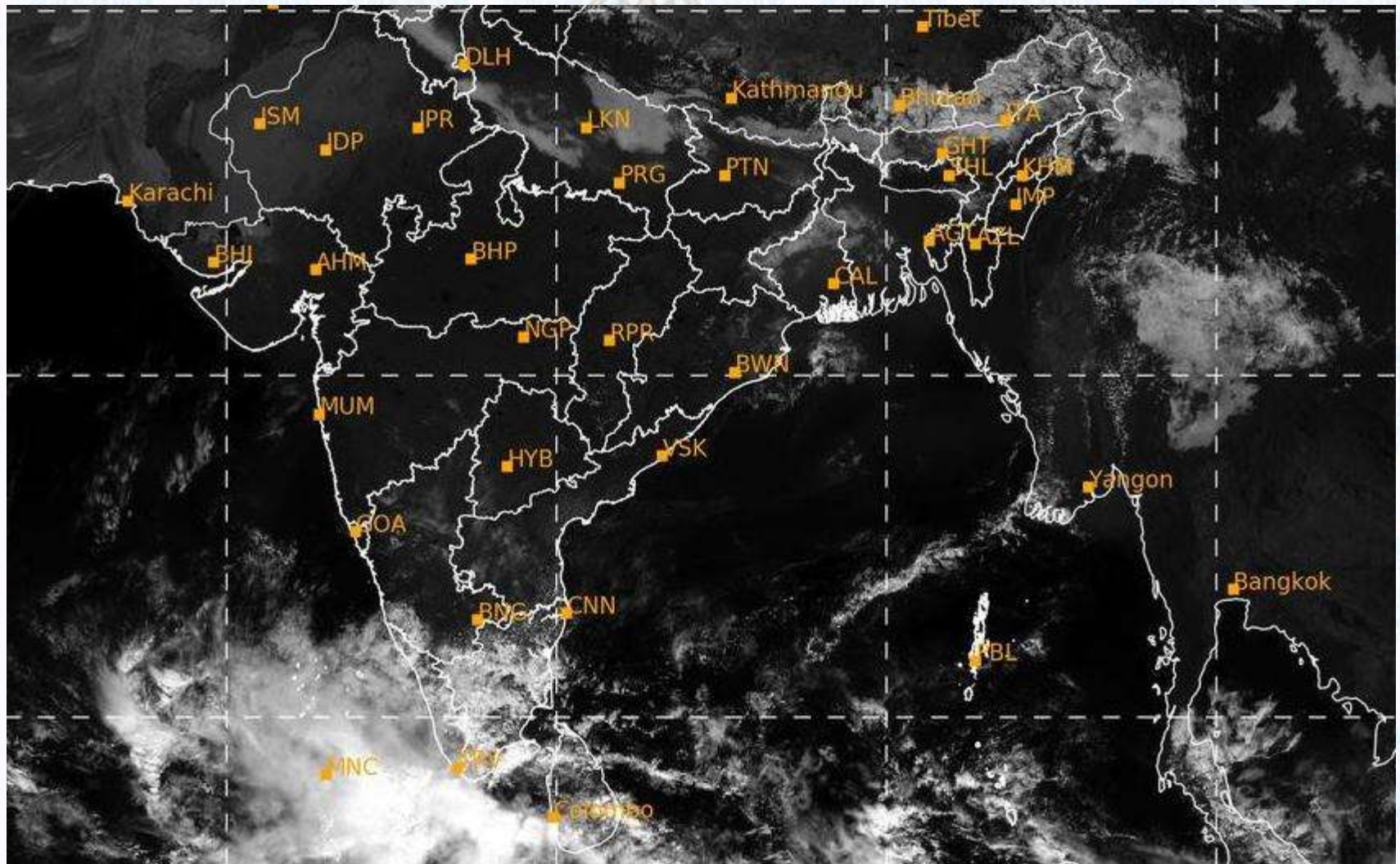
28/01/2021, 11:00 UTC MATSAT-IR

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





# SATELLITE VIEW OF BAY OF BENGAL



28/01/2021, 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 28.01.2021)

<b>Part One</b>	NO STORM WARNING.	
<b>Part Two</b>	SEASONAL LOW LIES OVER SOUTH BAY.	
<b>Part Three</b>	Weather	TEMPORARY PARTLY CLOUDY OVER AREA C-90.
	Wind	NORTH/NORTH-EASTERLY, 08-12 KTS.
	Visibility	03-05 KMS REDUCING TO 1000 M OR LESS IN <b>FOG</b> .
	Outlook	FOR SUBSEQUENT 12 HOURS: LITTLE CHANGE.
	MSL Pressure	AT = 28,0000 UTC. CHATTOGRAM =1015 HPA





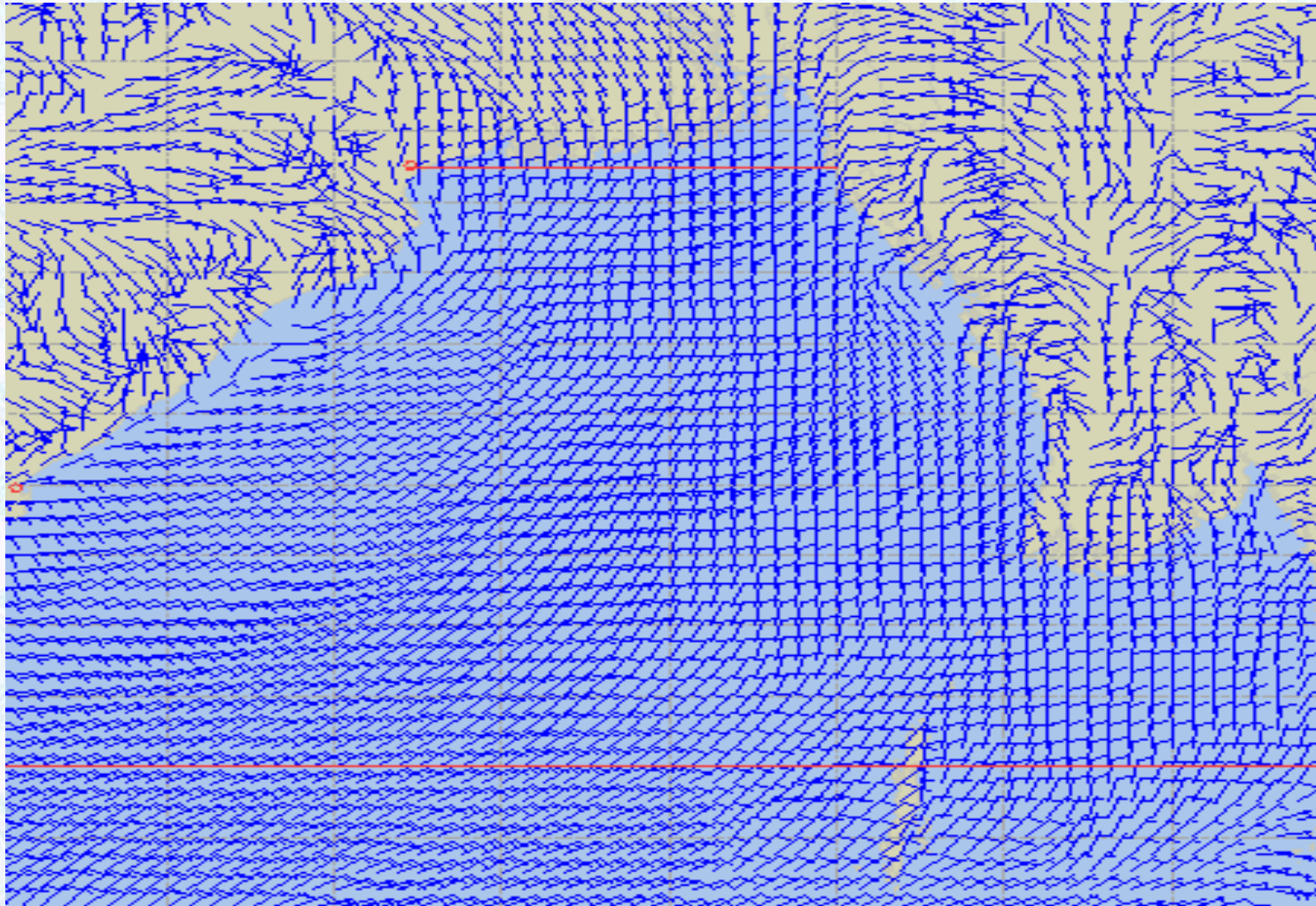
## **Inland River Port Warning** **(VALID TILL 06 PM OF 28.01.2020)**

MODERATE TO THICK FOG MAY REDUCE SURFACE VISIBILITY TO 500 M OR LESS AT PLACES OVER THE RIVERBASINS OF THE COUNTRY DURING NEXT 03-04 HRS COMMENCING 10.00 AM OF 28.01.2021 WHEREIN RIVERCRAFTS SHALL PROCEED WITH CAUTION BUT NO SIGNAL IS TO BE HOISTED.

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



# Surface Wind Forecast- 29 Jan - 2021



**Legend:**



**Calm  
Winds**



**5 Knots**



**10 Knots**



**60 Knots**

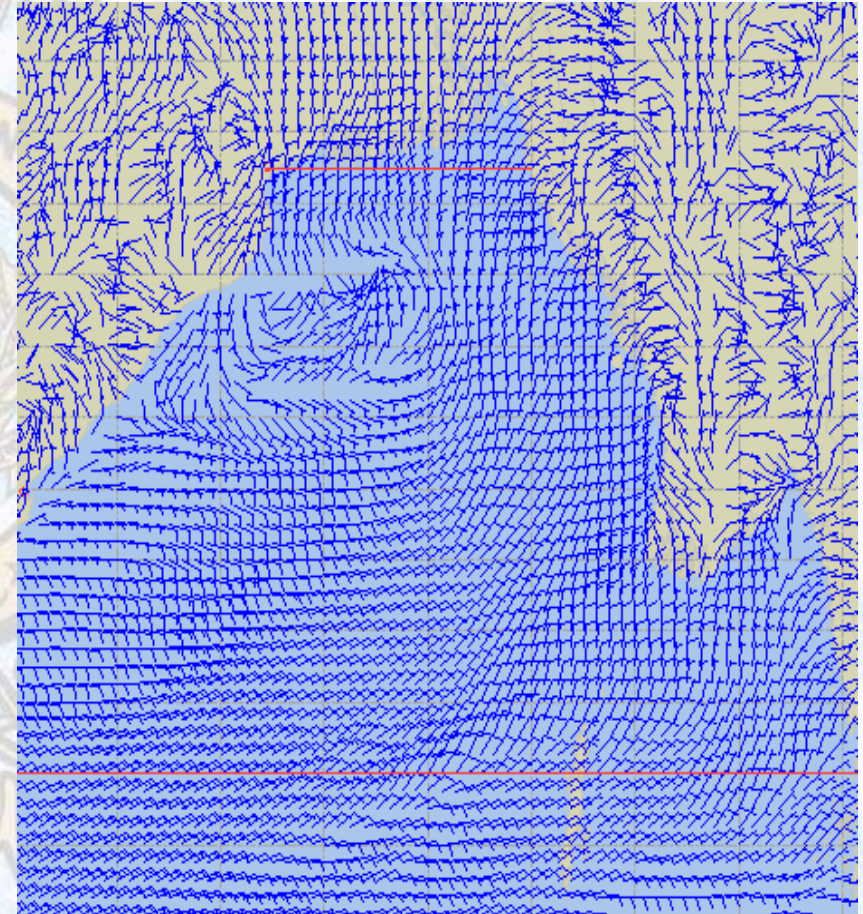
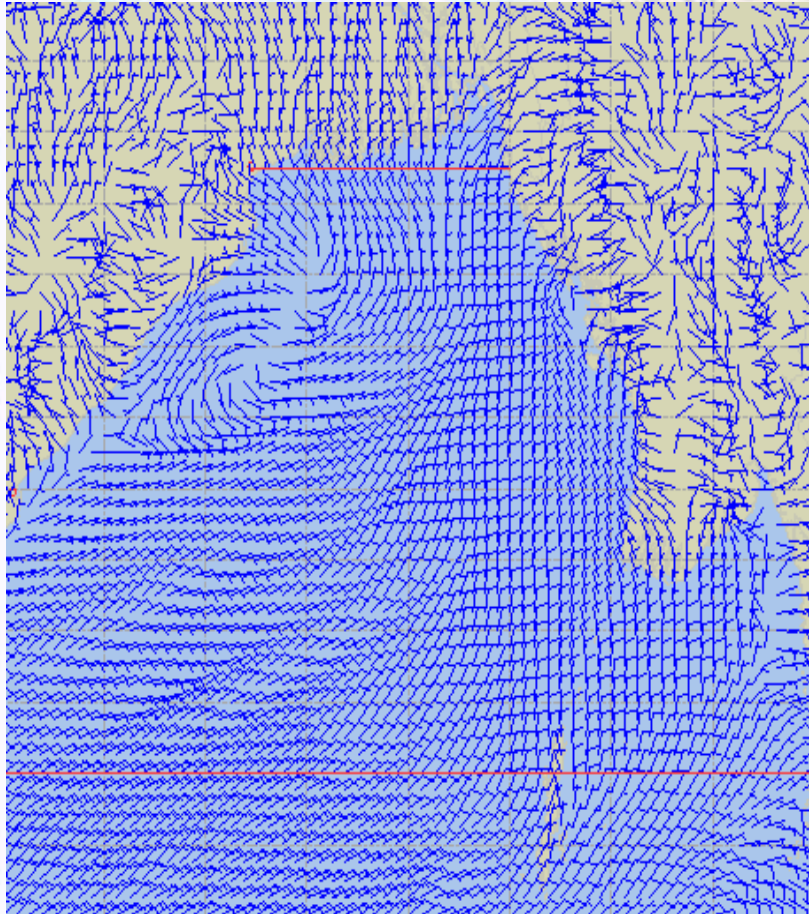




# Surface Wind Forecast – 30 & 31 Jan - 2021

30 Jan 21 Saturday

31 Jan 21 Sunday



**Legend:**



Calm  
Winds



5 Knots



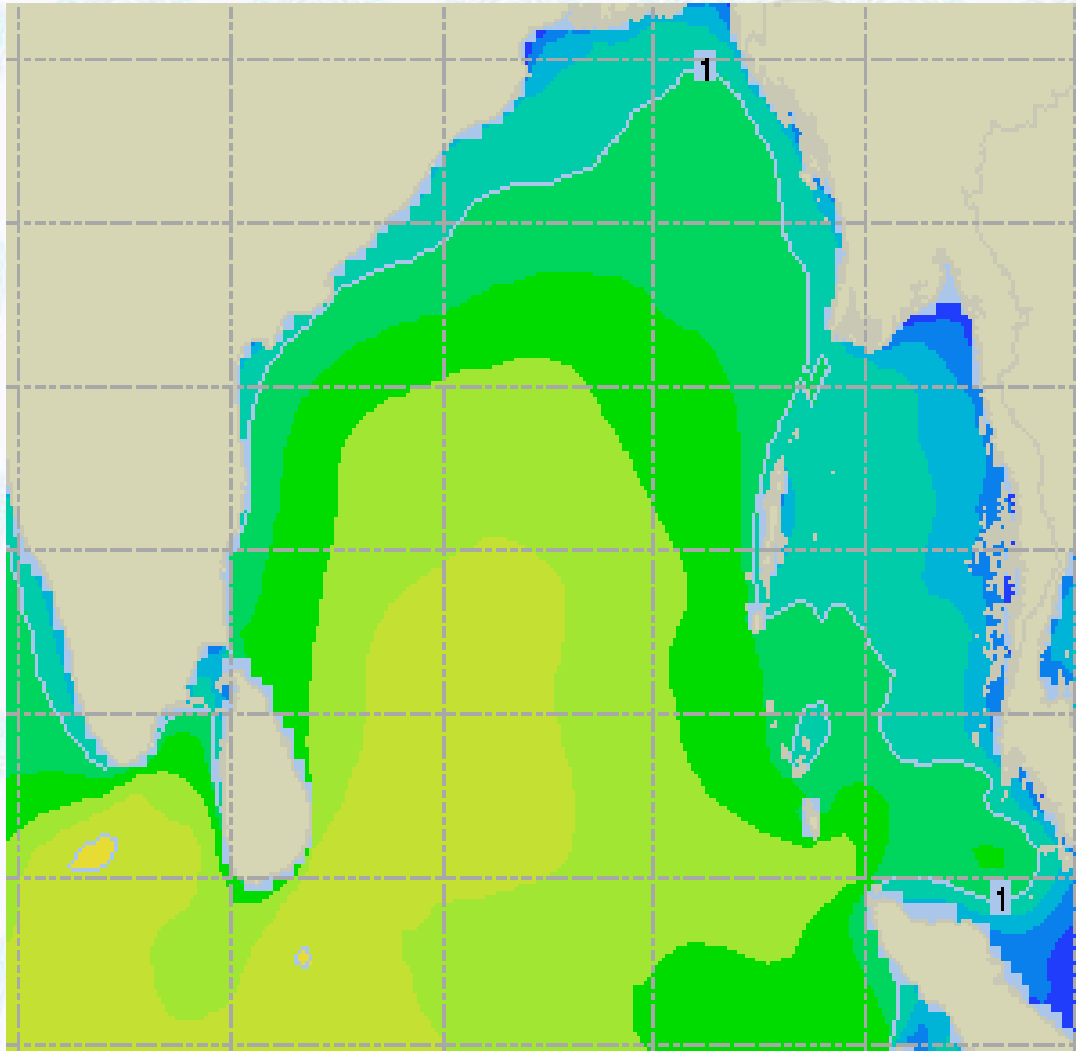
10 Knots



60 Knots



# Sea State Forecast – 29 Jan - 2021



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



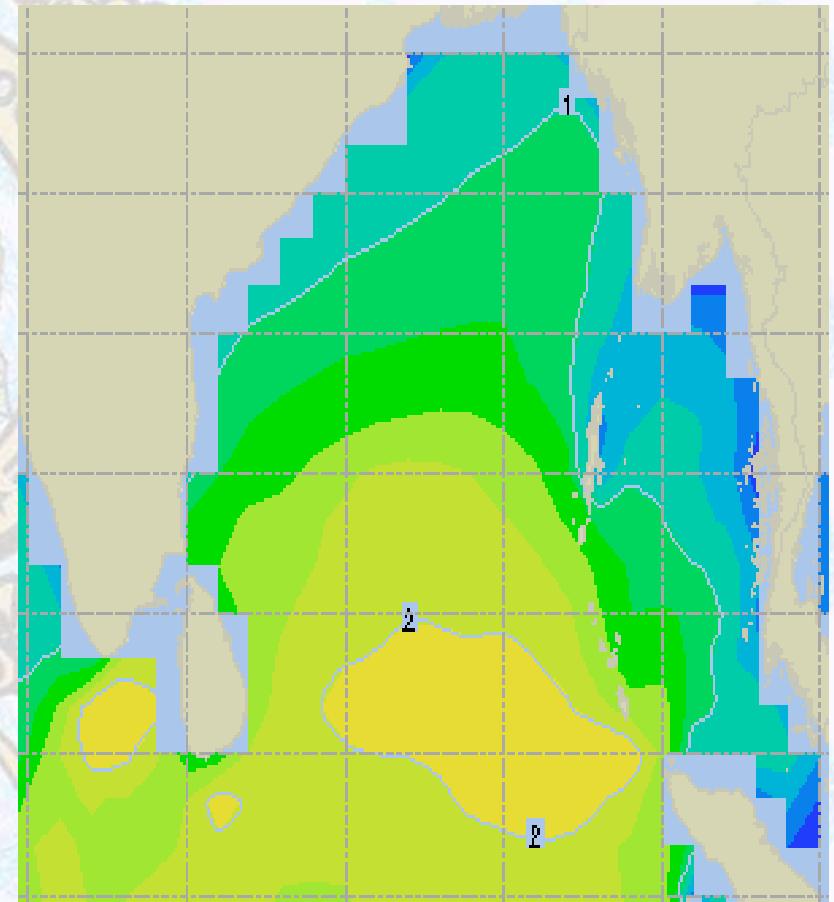
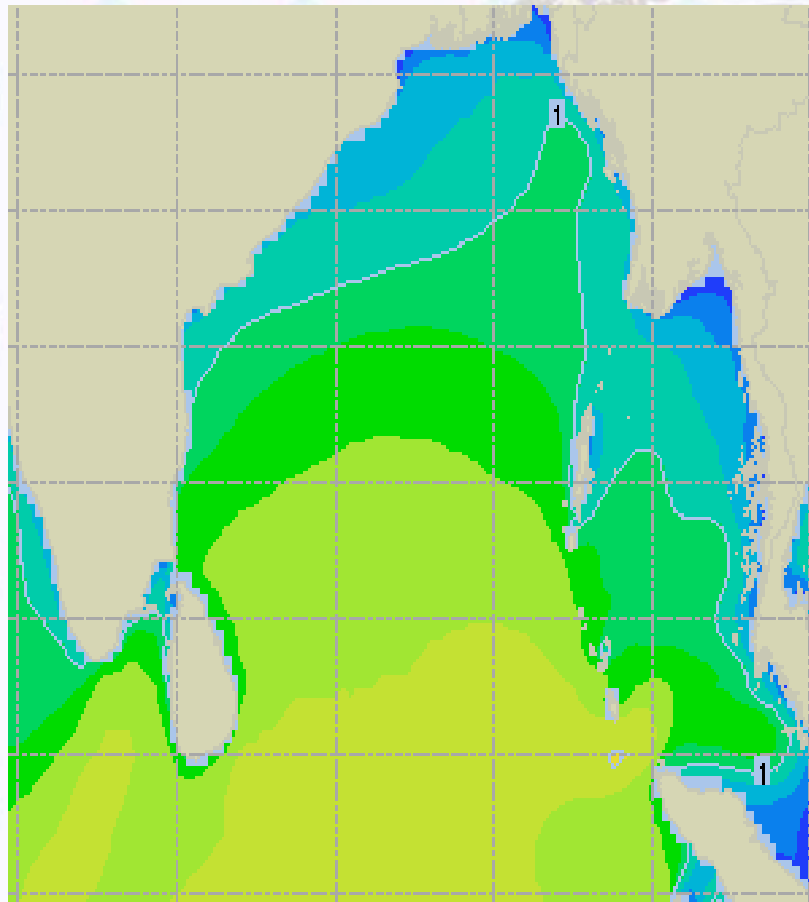




# Sea State Forecast – 30 & 31 Jan - 2021

30 Jan 21 Saturday

31 Jan 21 Sunday

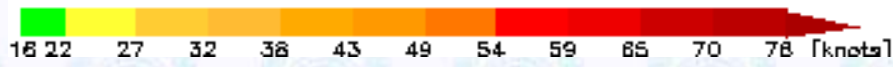
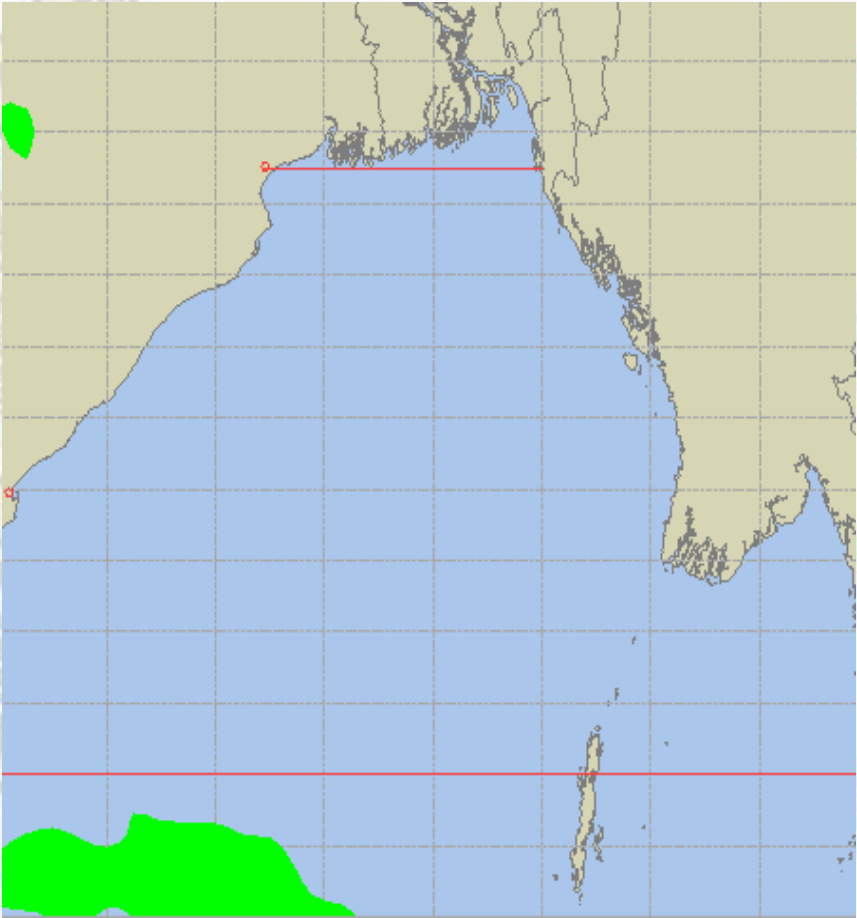
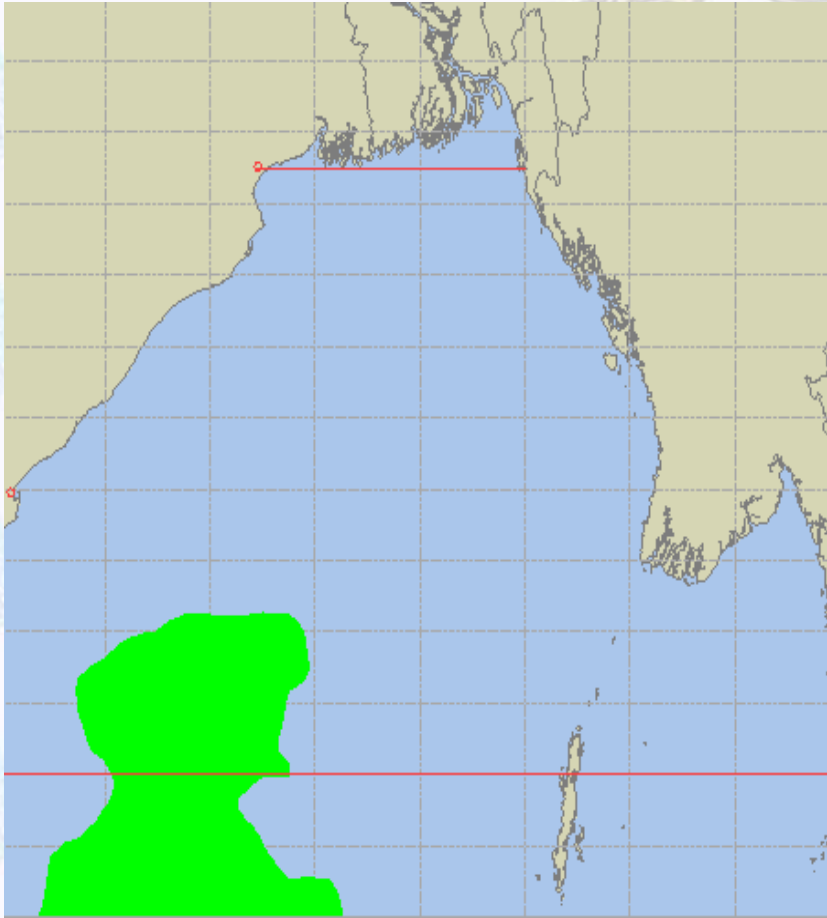




# Peak Gusting Possibilities– 29 & 30 Jan 2021

29 Jan 21 Friday

30 Jan 21 Saturday

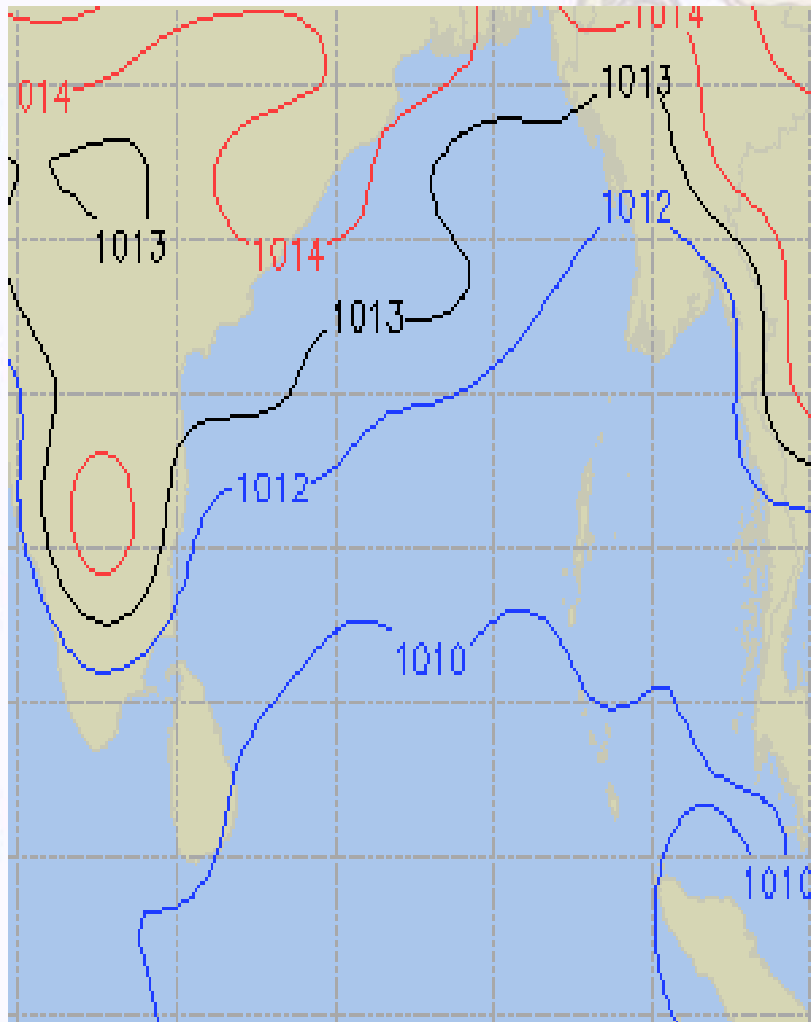




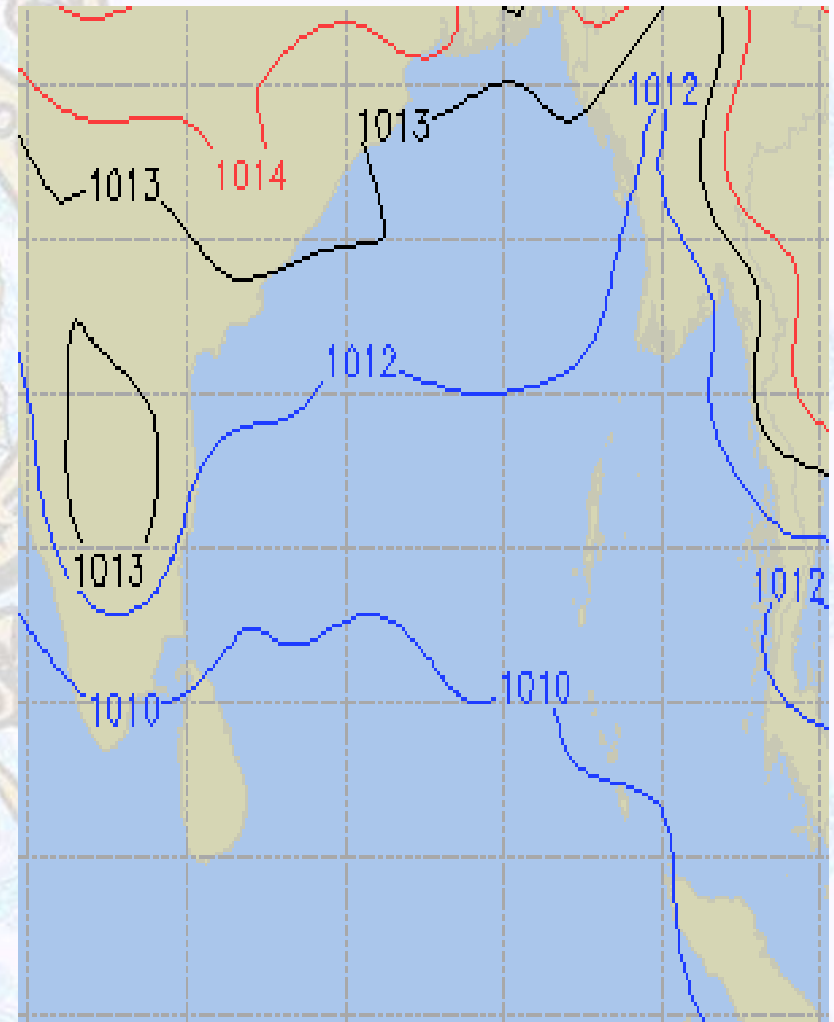


# Surface Pressure forecast – 29 & 30 Jan 2021

29 Jan 21 Friday



30 Jan 21 Saturday

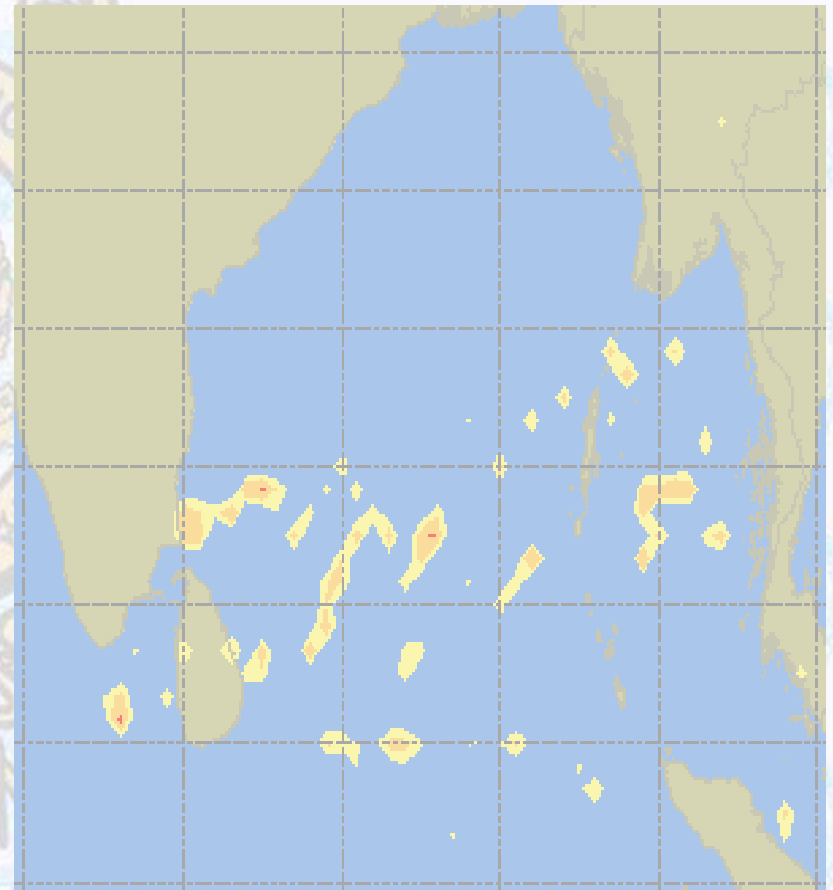
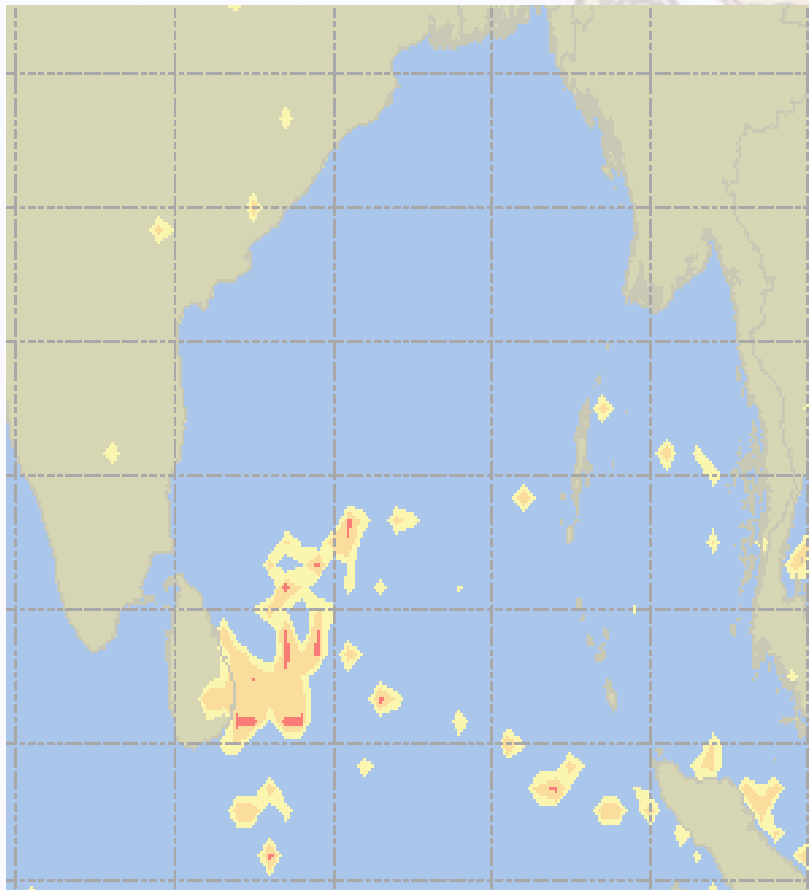




# Visibility at Sea Forecast – 29 & 30 Jan 2021

29 Jan 21 Friday

30 Jan 21 Saturday



**Visibility Scale:**



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

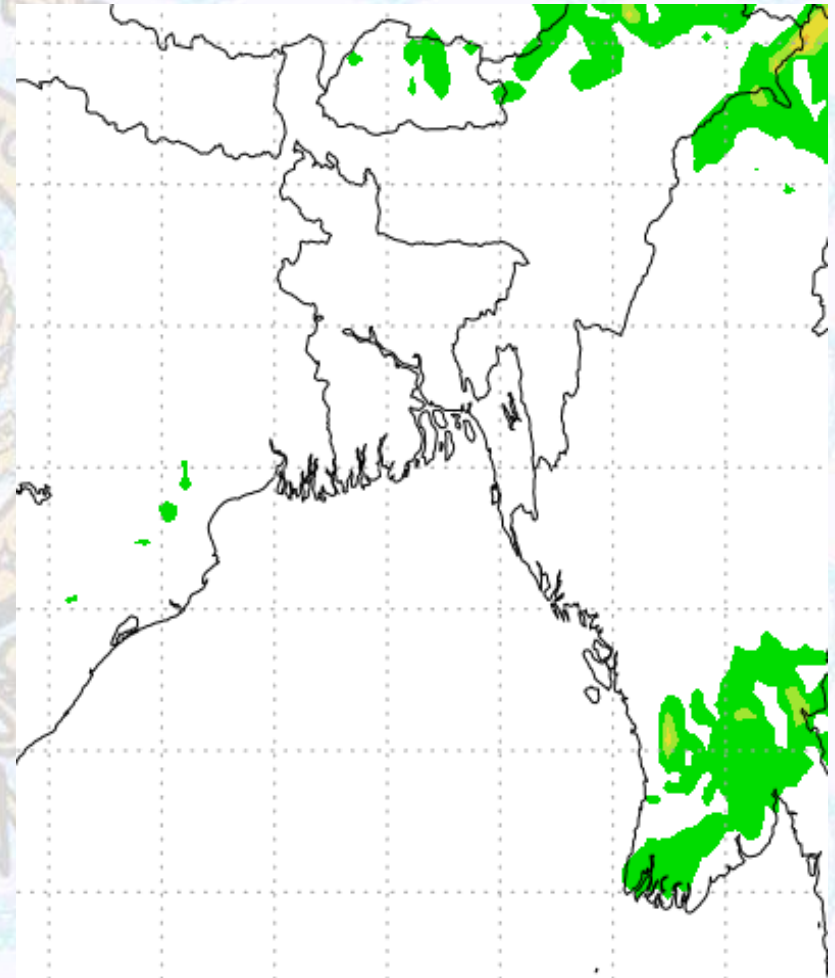
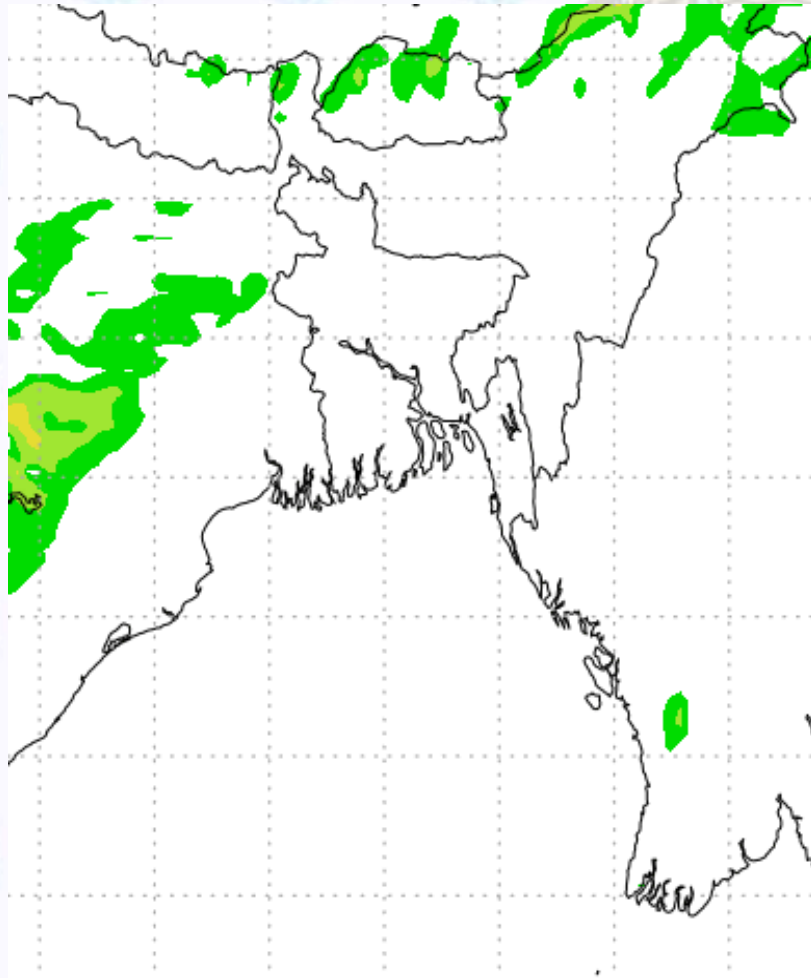




# Precipitation

Rain(mm) 29 & 30 Jan 2021

Rain(mm) 30 & 31 Jan 2021



Precipitation Scale (mm):





# Tidal Information

## KHAL NO. 10

## COX'S BAZAR

## HIRAN POINT

	Time	Height		Time	Height		Time	Height
<b>29 Jan 2021</b>	0103	4.19		0532	0.41		0531	0.49
	0758	0.61		1107	2.85		1122	2.51
	1331	3.74		1737	0.32		1726	0.39
	1953	0.59		2332	3.36		2335	2.86
<b>30 Jan 2021</b>	Time	Height		Time	Height		Time	Height
	0135	4.28		0609	0.31		0605	0.38
	0832	0.52		1143	2.95		1157	2.58
	1403	3.86		1814	0.27		1804	0.35
	2031	0.53		-	-		-	-
<b>31 Jan 2021</b>	Time	Height		Time	Height		Time	Height
	0208	4.35		0008	3.40		0009	2.88
	0907	0.43		0644	0.25		0640	0.31
	1437	3.95		1221	2.99		1233	2.62
	2109	0.49		1851	0.26		1842	0.36