



**WEATHER FORECAST FOR BN**

***15 - 18 DEC 2020***



# WEATHER FORECAST – DHAKA

## 15.12.2020

Hourly	2 PM	4 PM	8 PM	11 PM
Temp. / Dew Point	25 / 16	25 / 16	22 / 17	21 / 17
Wind	11 km/h NNW	11 km/h NW	4 km/h NW	4 km/h NNW
Humidity	57%	59%	73%	78%
Chance of Precip	1%	1%	4%	4%
Cloud Cover	3%	5%	5%	11%
Conditions	Sunny	Sunny	Clear	Clear
Sunrise	06: 33 AM			
Sunset	17: 14 PM			

### Conditions

Pressure : 1016 hpa

Visibility : 8.6 km

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



# WEATHER FORECAST – CHATTOGRAM

## 15.12.2020

Hourly	2 PM	4 PM	8 PM	11 PM
Temp. / Dew Point	27 / 16	27 / 17	23 / 17	21 / 17
Wind	12 km/h NNW	11 km/h NNW	11 km/h NNW	10 km/h N
Humidity	51%	53%	70%	76%
Chance of Precip.	1%	1%	4%	5%
Cloud Cover	1%	1%	1%	1%
Conditions	Sunny	Sunny	Clear	Clear
Sunrise	06: 25 AM			
Sunset	17: 11 PM			

### Conditions

Pressure : 1015 hpa

Visibility : 15:54 Km

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



# WEATHER FORECAST – KHULNA

## 15.12.2020

Hourly	2 PM	4 PM	8 PM	11 PM
Temp. / Dew Point	27 / 15	26 / 15	21 / 16	19 / 16
Wind	13 km/h N	11 km/h N	5 km/h N	3 km/h N
Humidity	54%	51%	77%	74%
Chance of Precip.	1%	1%	3%	5%
Cloud Cover	3%	4%	1%	4%
Conditions	Sunny	Sunny	Clear	Clear
Sunrise Sunset	06: 35 AM 17: 19 PM			

### Conditions

Pressure : 1015 hpa

Visibility : 8.05 Km

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



# GENERAL WEATHER FORECAST – DHAKA

Description	16 Dec 2020	17 Dec 2020	18 Dec 2020
<b>Temperature (C)</b>	26 °C / 18 °C	26 °C / 16 °C	23 °C / 13 °C
<b>Summary</b>	AM Fog / PM Sunny	AM Fog / PM Sunny	AM Fog / PM Sunny
<b>Sun Rise/Set</b>	6h34m24s/17h14m24s	6h34m54s/17h14m48s	6h35m24s/17h15m12s
<b>Day Length</b>	10h40m00s	10h39m54s	10h39m48s
<b>Moon Rise/ Set</b>	8:05AM 6:56PM	9:02AM 7:59PM	9:53AM 8:59PM
<b>Moon Phase/ illu</b>	Waxing Crescent, 5%	Waxing Crescent, 12%	Waxing Crescent, 20%
<b>NauticalTwilight</b>	05:40,18:07	05:41,18:07	05:41,18:07
<b>Civil Twilight</b>	06:09,17:39	06:09,17:39	06:09,17:39
<b>Humidity</b>	D : 67%    N : 80%	D : 68%    N : 79%	D : 59%    N : 76%
<b>Barometer (mb)</b>	1015	1015	1015
<b>Visibility</b>	Moderate	Moderate	Moderate
<b>Precip Chance</b>	5%	5%	5%
<b>Wind (mph)</b>	12 Km/h NNW	10 Km/h NW	9 Km/h NW

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



# GENERAL WEATHER FORECAST– CHATTOGRAM

Description	16 Dec 2020	17 Dec 2020	18 Dec 2020
<b>Temperature (C)</b>	28 °C/ 18 °C	28 °C/ 17 °C	26 °C/ 14 °C
<b>Summary</b>	AM Fog / PM Sunny	AM Fog / PM Sunny	AM Fog / PM Sunny
<b>Sun Rise/Set</b>	6h25m30s/17h11m48s	6h26m00s/17h12m48s	6h26m30s/17h12m42s
<b>Day Length</b>	10h46m18s	10h46m18s	10h46m12s
<b>Moon Rise/ Set</b>	7:56AM 6:54PM	8:53AM 7:56PM	9:53AM 8:59PM
<b>Moon Phase/ illu</b>	Waxing Crescent, 5%	Waxing Crescent, 12%	Waxing Crescent, 20%
<b>NauticalTwilight</b>	05:32 18:04	05:33 18:04	05:33 18:04
<b>Civil Twilight</b>	06:00, 17:36	06:01, 17:36	06:01, 17:36
<b>Humidity</b>	D : 66% N : 83%	D : 68% N : 84%	D : 62% N : 82%
<b>Barometer (mb)</b>	1015	1015	1015
<b>Visibility</b>	Moderate	Moderate	Moderate
<b>Precip Chance</b>	5%	5%	5%
<b>Wind (mph)</b>	11 Km/h NNW	11 Km/h NNW	11 Km/h NNW

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



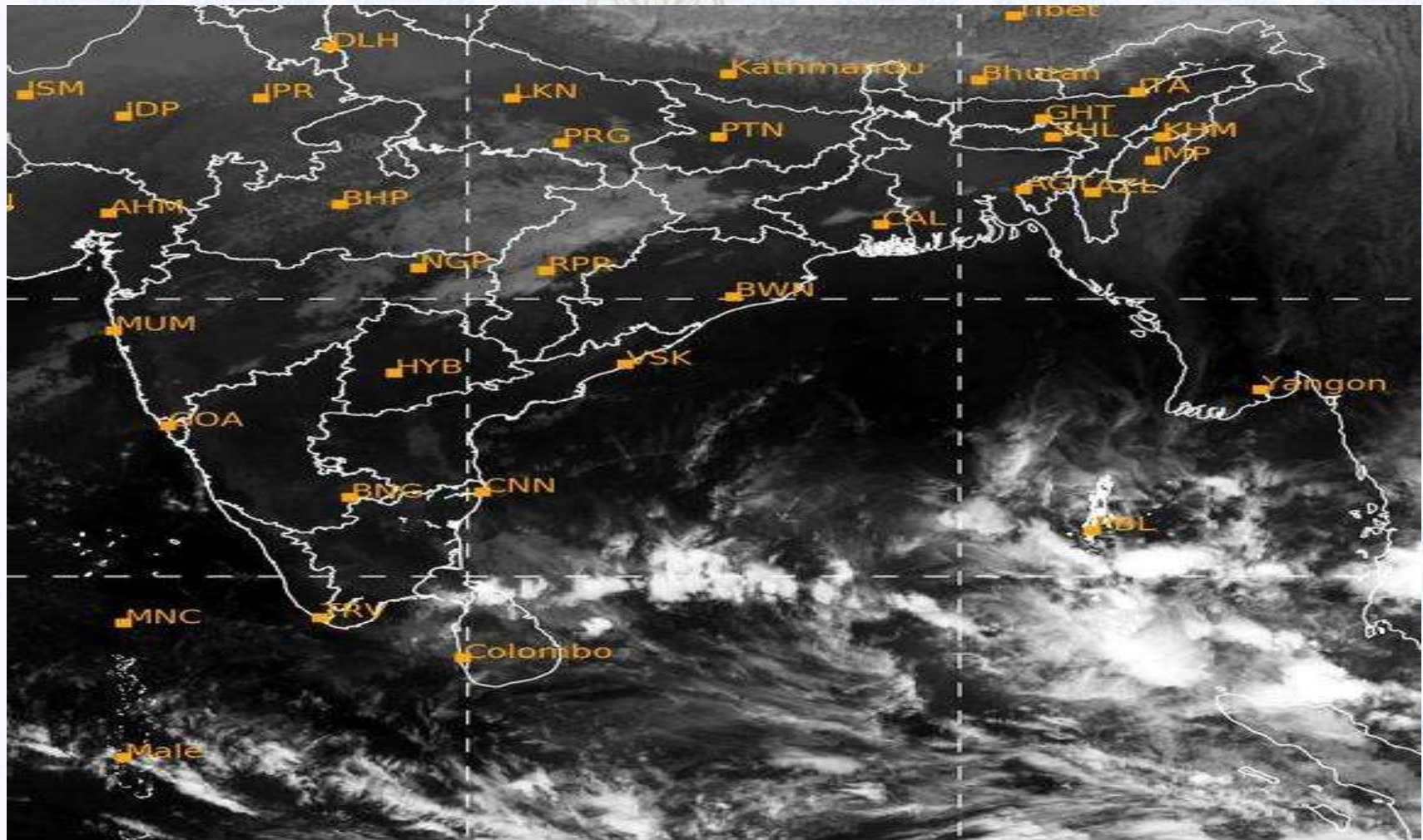
# GENERAL WEATHER FORECAST – KHULNA

Description	16 Dec 2020	17 Dec 2020	18 Dec 2020
<b>Temperature(C)</b>	26°C/ 17°C	25°C/ 15°C	23°C/ 11°C
<b>Summary</b>	AM Fog / PM Sunny	AM Fog / PM Sunny	AM Fog / PM Sunny
<b>Sun Rise/Set</b>	6h35m42s/17h19m54s	6h36m12s/17h20m18s	6h36m42s/17h20m48s
<b>Day Length</b>	10h44m12s	10h44m06s	10h44m06s
<b>Moon Rise/Set</b>	8:06AM 7:02PM	9:04AM 8:04PM	9:53AM 8:59PM
<b>Moon Phase/illu</b>	Waxing Crescent, 5%	Waxing Crescent, 12%	Waxing Crescent, 20%
<b>Nautical Twilight</b>	05:42, 18:12	05:43, 18:12	05:43, 18:12
<b>Civil Twilight</b>	06:10, 17:44	06:11, 17:44	06:11, 17:44
<b>Humidity</b>	D : 65% N : 77%	D : 65% N : 78%	D : 56% N : 72%
<b>Barometer (mb)</b>	1016	1016	1016
<b>Visibility</b>	Moderate	Moderate	Moderate
<b>Precip Chance</b>	5%	5%	5%
<b>Wind (mph)</b>	13 km/h NNW	11 km/h NNW	11 km/h NNW

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



# SATELLITE VIEW OF BAY OF BENGAL



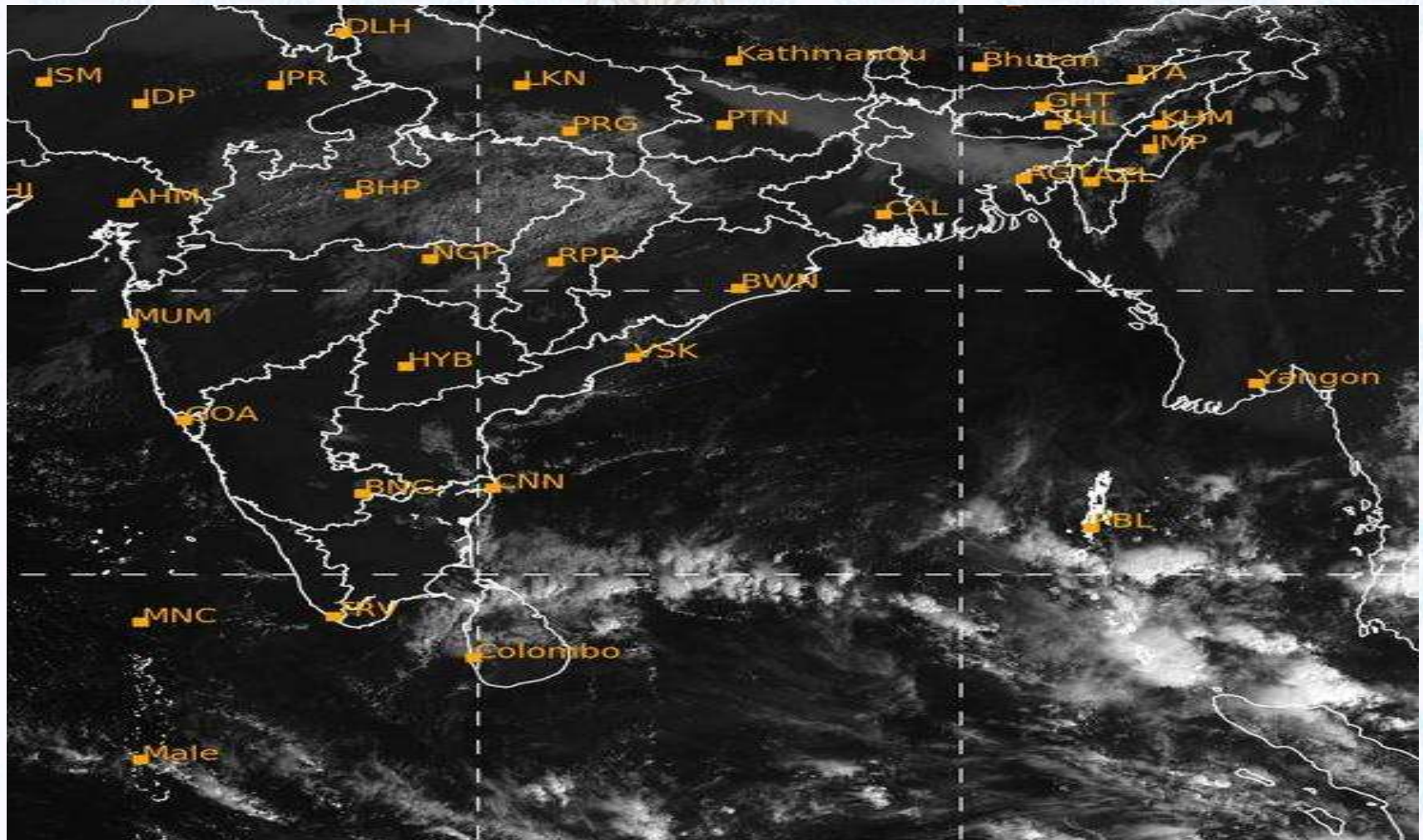
15/12/2020, 11:00 UTC MATSAT-IR

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





# SATELLITE VIEW OF BAY OF BENGAL



15/12/2020, 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 15.12.2020)

<b>Part One</b>	NO STORM WARNING.	
<b>Part Two</b>	SEASONAL LOW LIES OVER SOUTH BAY; EXTENDING ITS TROUGH TO NORTH 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 FOG/MIST.
	Outlook	FOR SUBSEQUENT 12 HOURS: LITTLE CHANGE.
	MSL Pressure	AT = 15,0000 UTC. CHATTOGRAM =1013 HPA



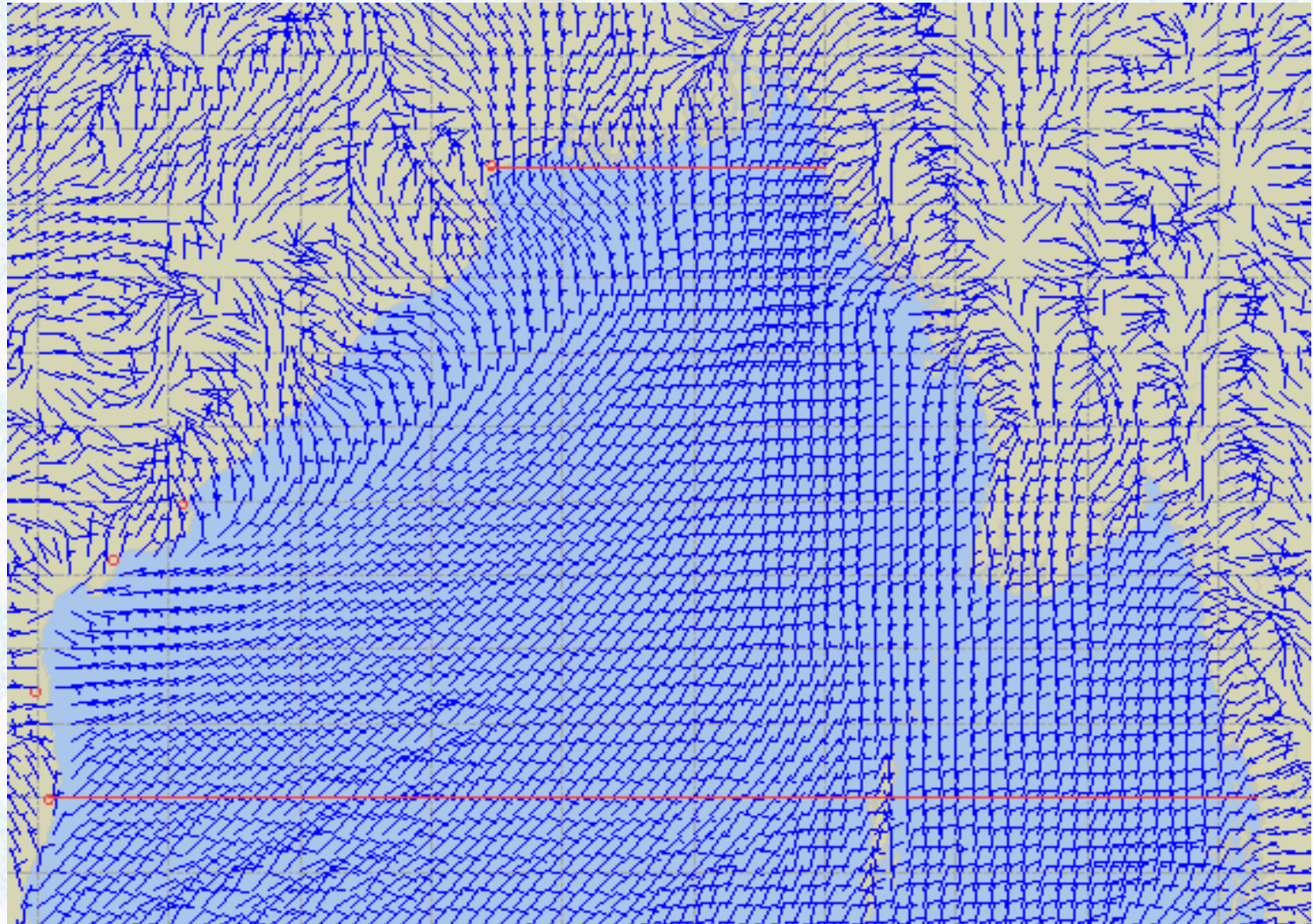
## **Inland River Port Warning** **(VALID TILL 06 PM OF 15.12.2020)**

MODERATE TO THICK FOG MAY REDUCE THE SURFACE VISIBILITY TO 0500M OR LESS AT PLACES OVER THE RIVERBASINS OF THE COUNTRY DURING NEXT (04-06) HRS COMMENCING 05:00 AM OF 15.12.2020 WHEREIN RIVERCRAFTS SHALL PROCEED WITH CAUTION BUT NO SIGNAL IS TO BE HOISTED.

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



# Surface Wind Forecast- 16 Dec - 2020



**Legend:**



**Calm  
Winds**



**5 Knots**



**10 Knots**



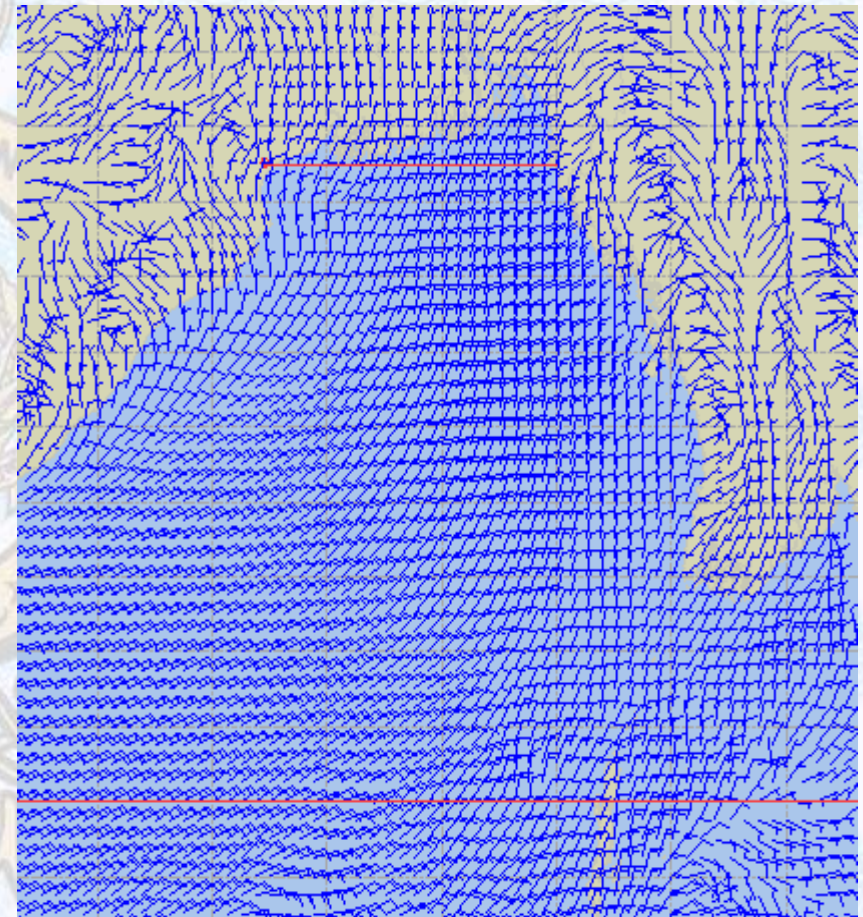
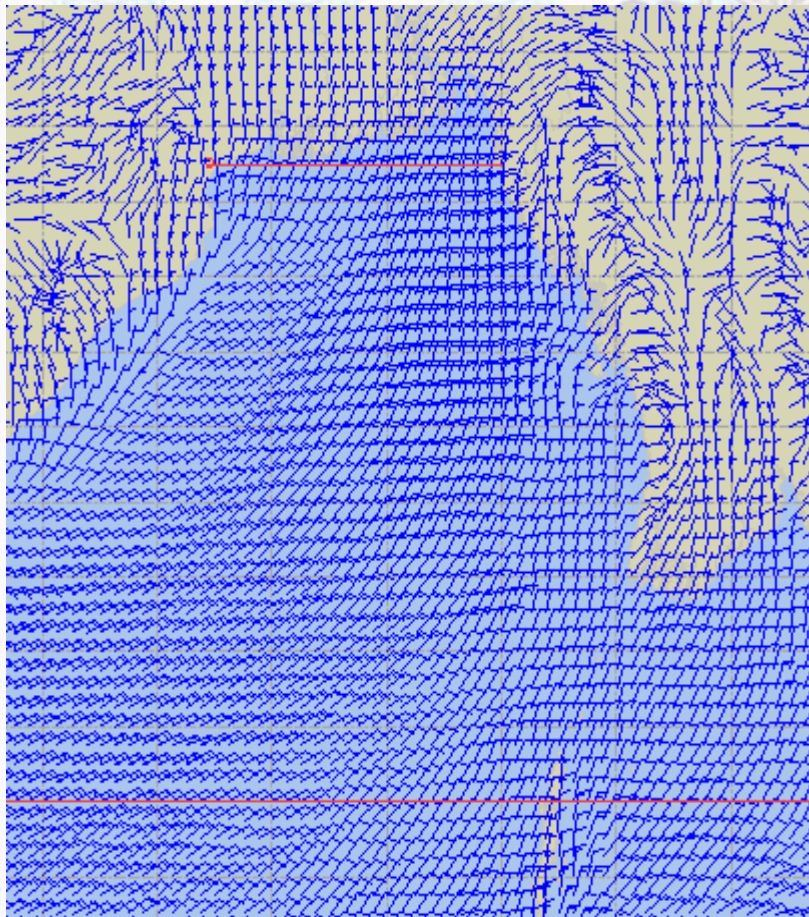
**60 Knots**



# Surface Wind Forecast – 17 & 18 Dec - 2020

17 Dec 20 Thursday

18 Dec 20 Friday



**Legend:**



Calm  
Winds



5 Knots



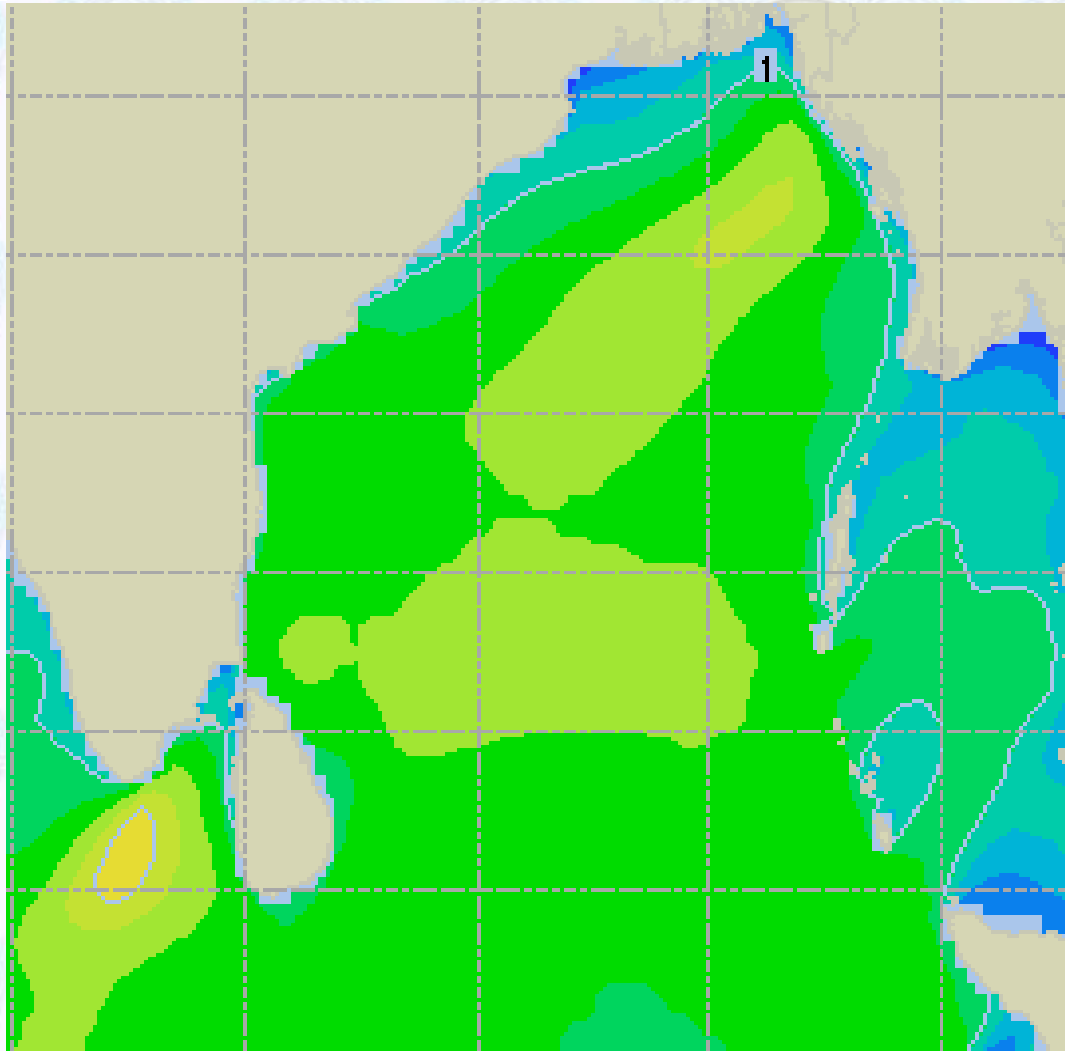
10 Knots



60 Knots



# Sea State Forecast – 16 Dec - 2020



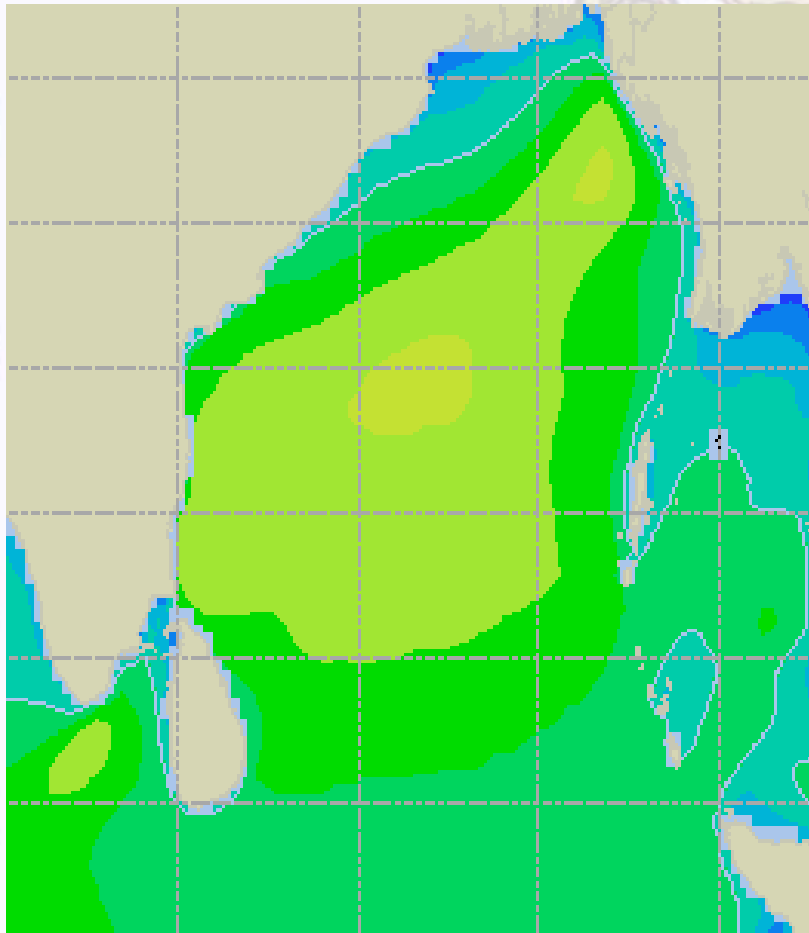
Sea State	Ht (m)
0	0-0.1
1	0-0.1
2	0.1-0.5
3	0.5-1.25
4	1.25-2.5
5	2.5-4.0
6	4-6
7	6-9
8	9-14
9	Over 14



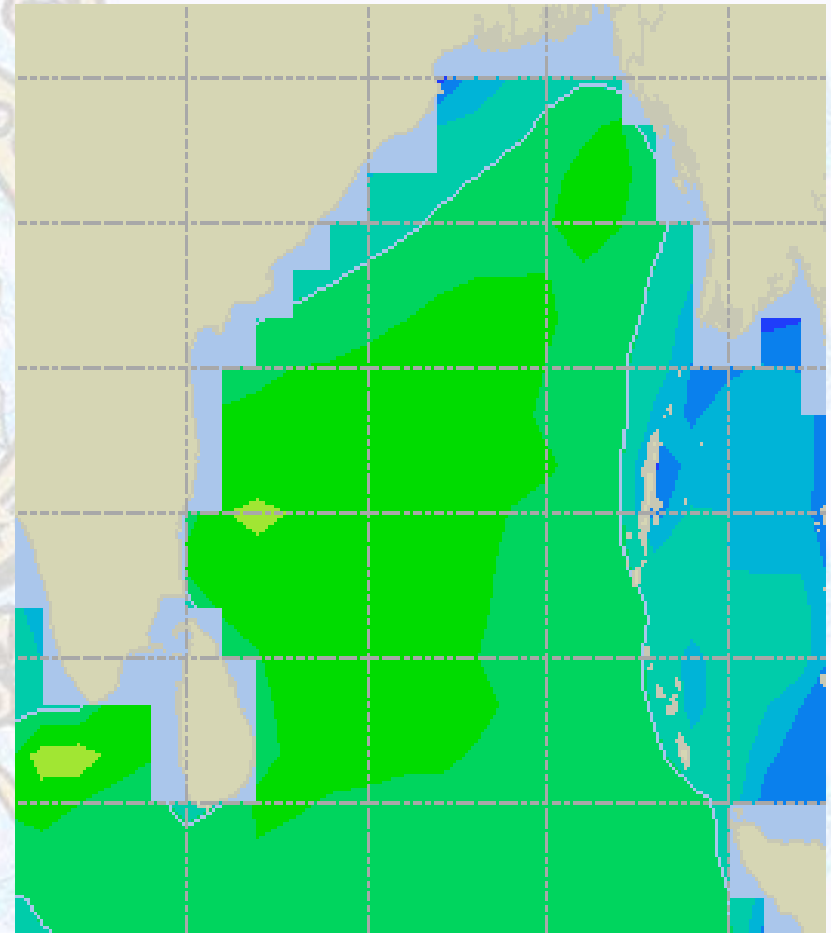


# Sea State Forecast – 17 & 18 Dec - 2020

17 Dec 20 Thursday



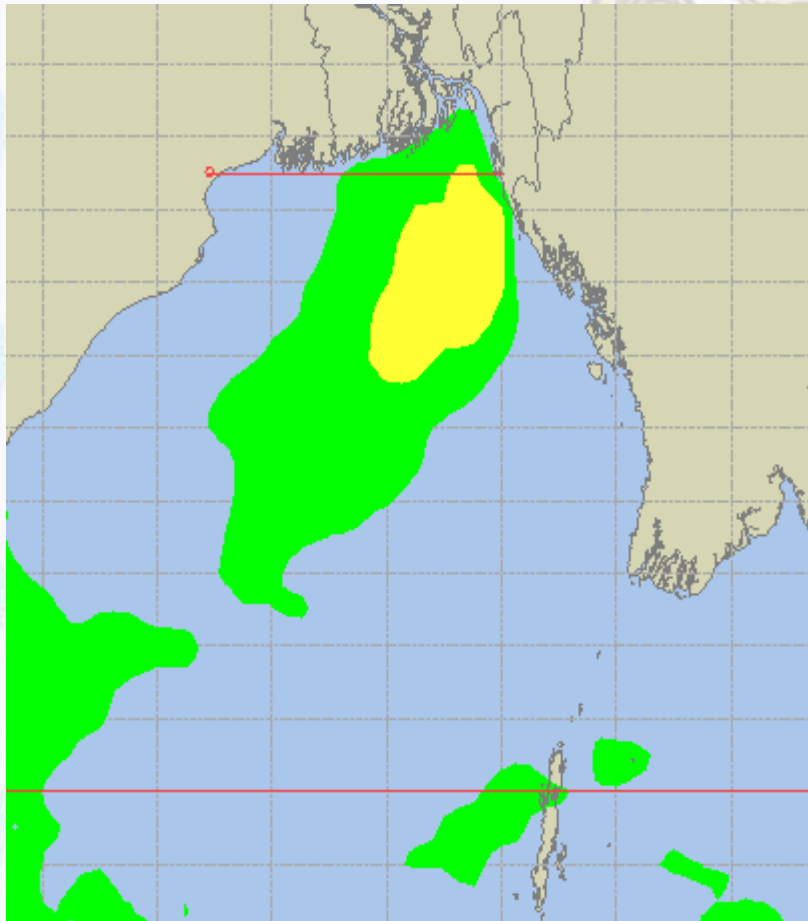
18 Dec 20 Friday



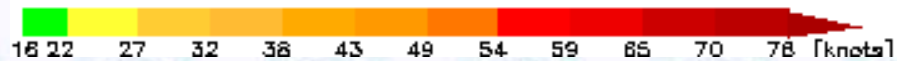
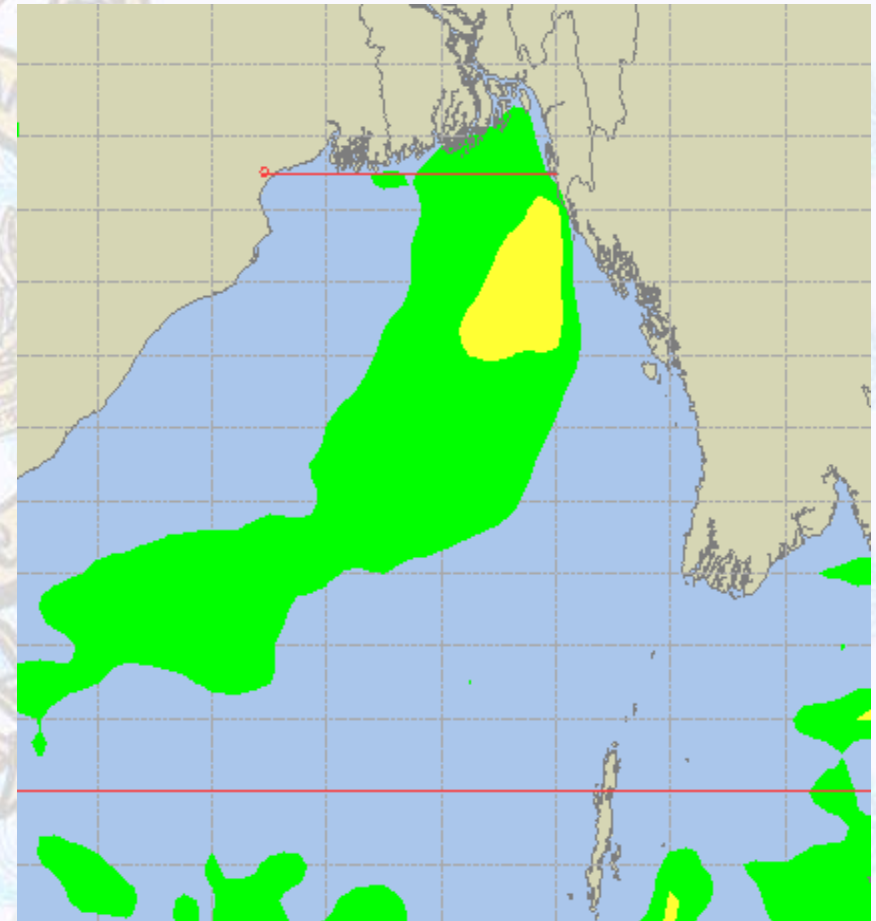


# Peak Gusting Possibilities— 16 & 17 Dec 2020

16 Dec 20 Wednesday



17 Dec 20 Thursday

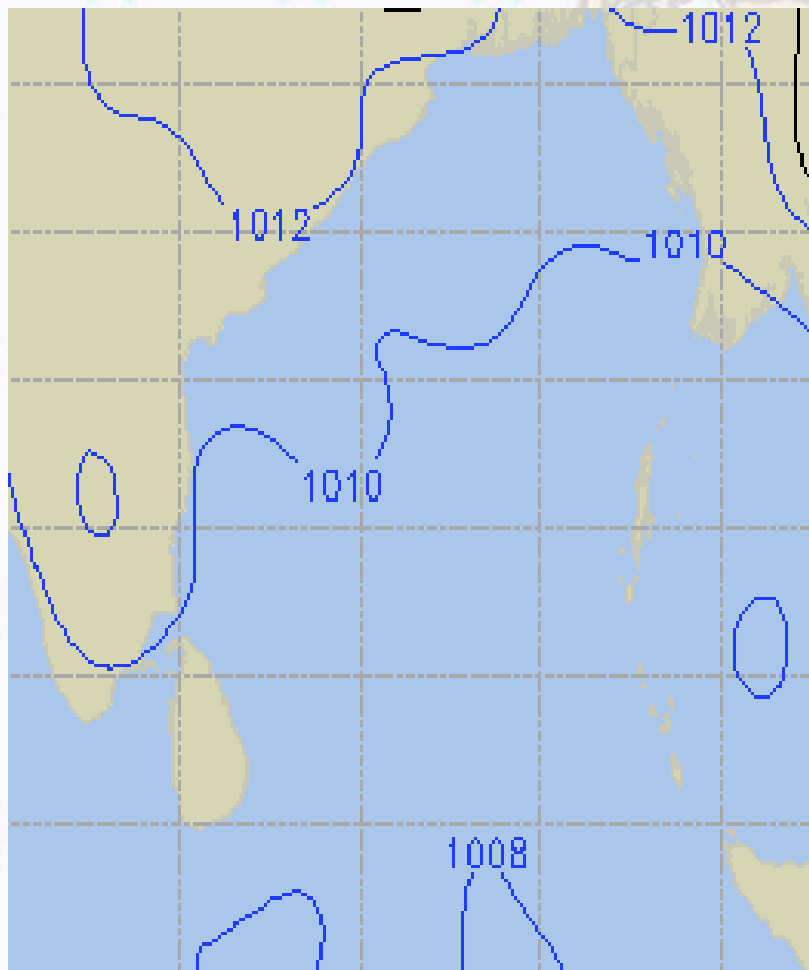




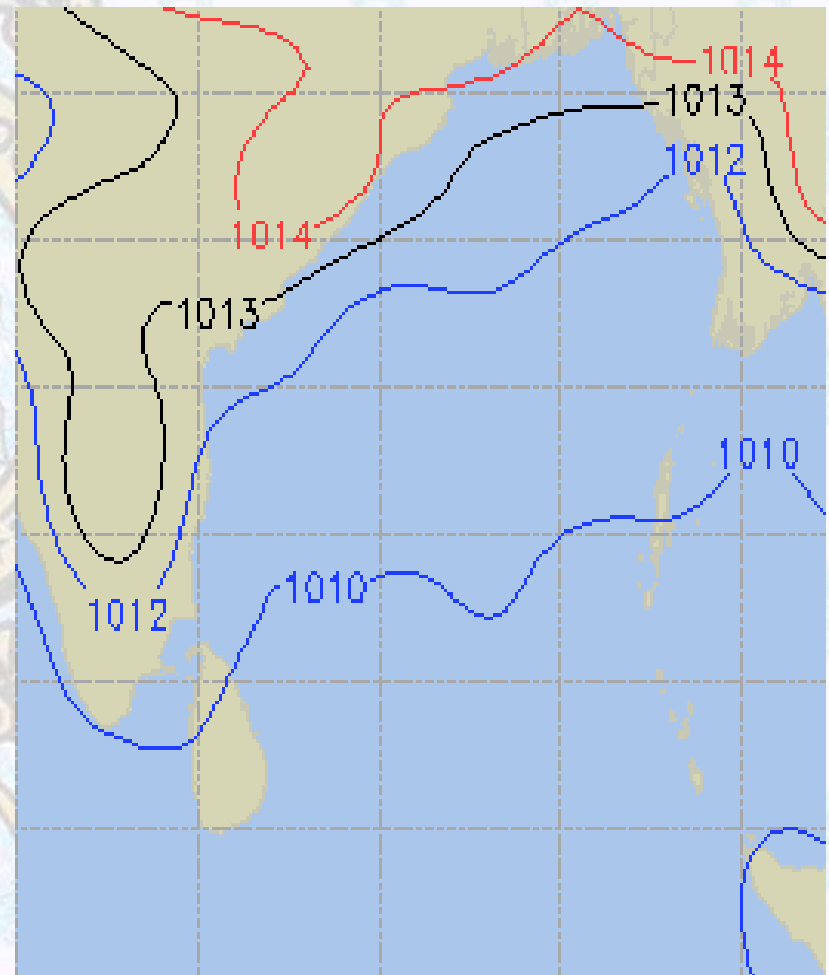


# Surface Pressure forecast– 16 & 17 Dec 2020

16 Dec 20 Wednesday



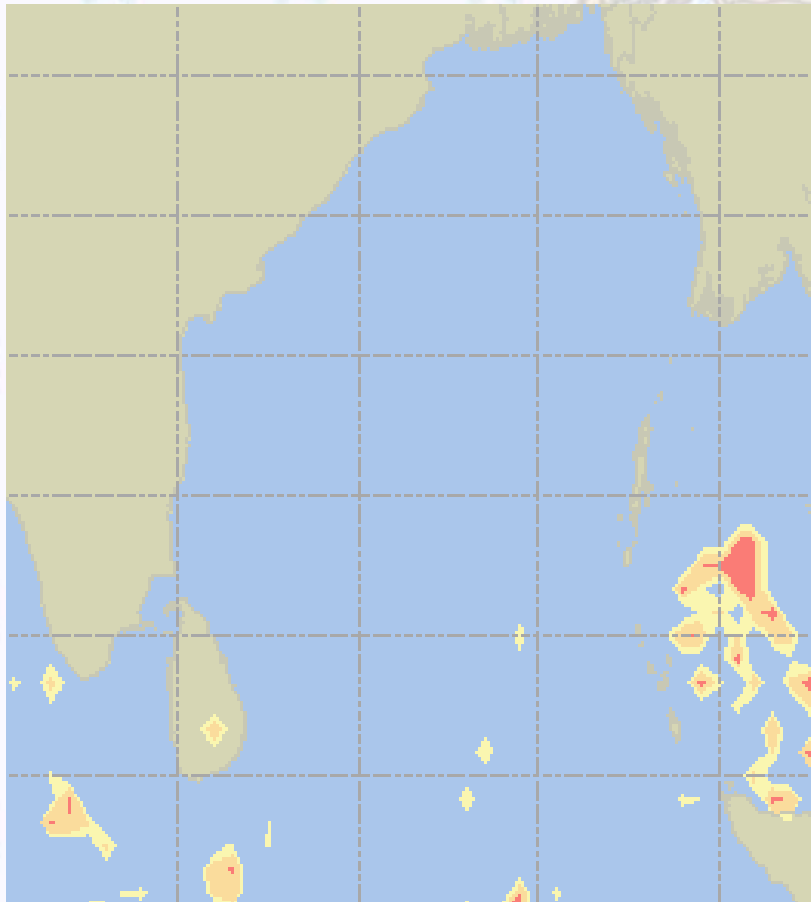
17 Dec 20 Thursday



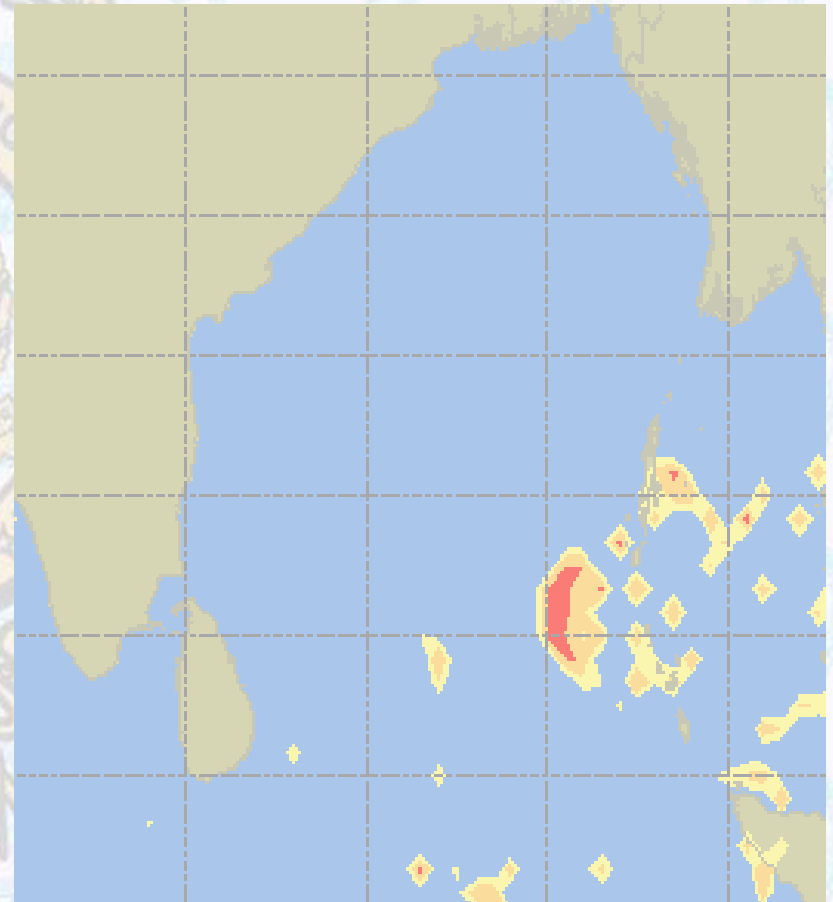


# Visibility at Sea Forecast – 16 & 17 Dec 2020

16 Dec 20 Wednesday



17 Dec 20 Thursday



**Visibility Scale:**

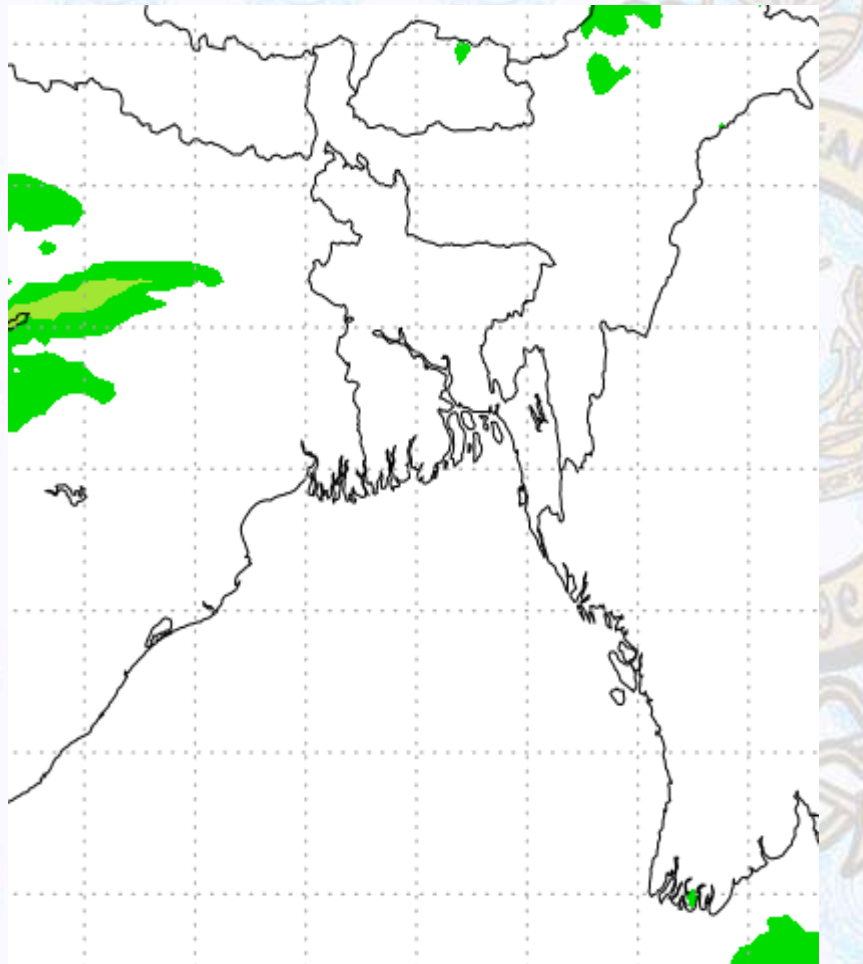


Ref (Slide 12-18): <http://www.weatheronline.co.uk/marine/weather?LEVEL>

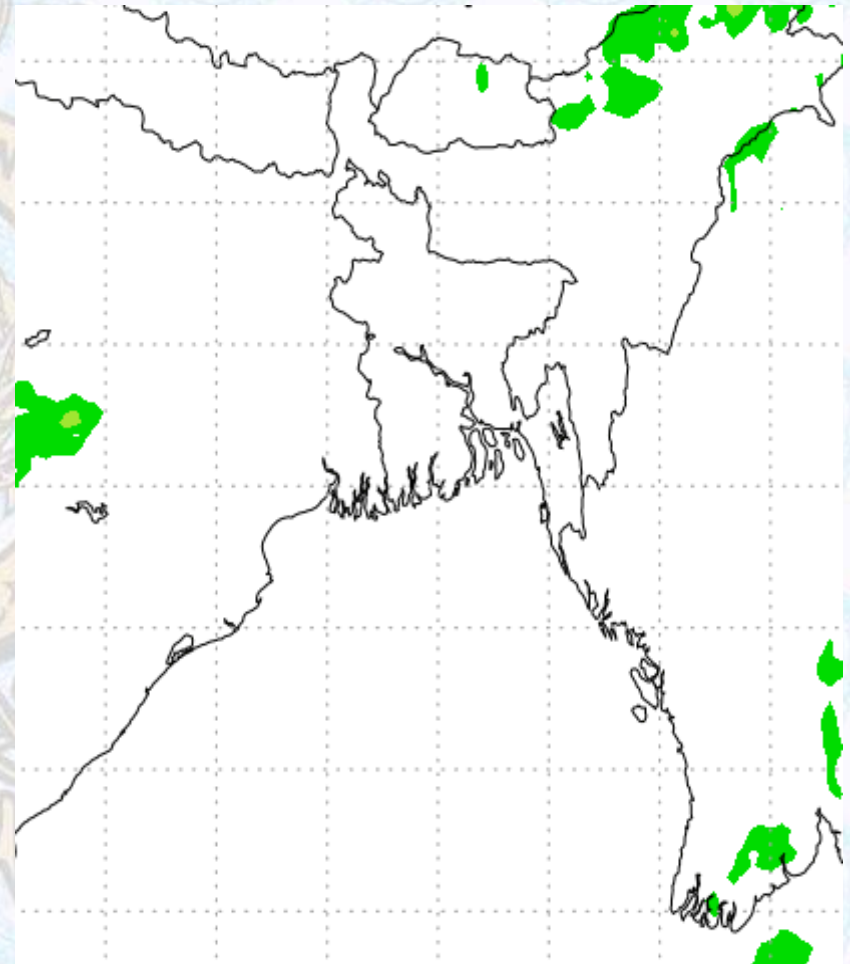


# Precipitation

Rain(mm) 16 & 17 Dec2020



Rain(mm) 17 & 18 Dec2020



Precipitation Scale (mm):





# Tidal Information

## KHAL NO. 10

## COX'S BAZAR

## HIRAN POINT

	Time	Height		Time	Height		Time	Height
		0132		4.72			0600	0.44
<b>16 Dec 2020</b>	0821	0.40		1132	3.17		0843	0.52
	1400	4.19		1811	0.41		1350	3.80
	2022	0.45		2356	3.62		2037	0.65
	Time	Height		Time	Height		Time	Height
		0213		4.68			0642	0.48
<b>17 Dec 2020</b>	0903	0.43		1216	3.08		0635	0.67
	1443	4.14		1852	0.50		1224	2.67
	2102	0.55		-	-		1830	0.68
	Time	Height		Time	Height		Time	Height
		0254		4.59			0039	3.48
<b>18 Dec 2020</b>	0945	0.49		0723	0.57		0958	3.39
	1527	4.06		1300	2.95		1634	1.02
	2144	0.69		1933	0.62		2224	3.19