



# **WEATHER FORECAST FOR BN**

**12 - 15 JAN 2020**





# WEATHERFORECAST – DHAKA

## 12.01.2020

Hourly	2 PM	4 PM	8 PM	11 PM
Temp. / Dew Point	20 / 16	21 / 15	19 / 14	17 / 14
Wind	11 km/h NW	12 km/h WNW	8 km/h WNW	7 km/h WNW
Humidity	75%	70%	76%	83%
Chance of Precip	1%	1%	3%	6%
Cloud Cover	26%	17%	2%	1%
Conditions	Sunny	Sunny	Clear	Clear
Sunrise Sunset	6: 43 AM 5: 31 PM			

### Conditions

Pressure : 1012 hpa

Visibility : 11.27 km

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





# WEATHER FORECAST – CHATTOGRAM

## 12.01.2020

Hourly	2 PM	4 PM	8 PM	11 PM
Temp. / Dew Point	21 / 15	22 / 15	19 / 16	18 / 16
Wind	5 km/h WNW	6 km/h WNW	7 km/h NW	8 km/h NNW
Humidity	70%	69%	81%	89%
Chance of Precip.	1%	1%	4%	7%
Cloud Cover	59%	41%	1%	1%
Conditions	Sunny	Sunny	Clear	Clear
Sunrise Sunset	6: 35 AM 5: 27 PM			

### Conditions

Pressure : 1011 hpa

Visibility : 4.02 Km

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



# WEATHER FORECAST – KHULNA

## 12.01.2020

Hourly	2 PM	4 PM	8 PM	11 PM
Temp. / Dew Point	22 / 14	22 / 14	17 / 13	15 / 13
Wind	13 km/h NW	12 km/h NW	7 km/h NW	5 km/h NNW
Humidity	59%	59%	78%	86%
Chance of Precip.	1%	1%	3%	5%
Cloud Cover	1%	1%	1%	1%
Conditions	Sunny	Sunny	Clear	Clear
Sunrise Sunset	6: 45 AM 5: 37 PM			

### Conditions

Pressure : 1013 hpa

Visibility : 14.48 Km

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





# GENERAL WEATHER FORECAST – DHAKA

Description	13 Jan 2020	14 Jan 2020	15 Jan 2020
<b>Temperature (C)</b>	24°C/ 14°C	25°C/ 14°C	25°C/ 15°C
<b>Summary</b>	Sunny	Sunny	Sunny
<b>Sun Rise/Set</b>	6h43m36s/17h30.m54s	6h43m36s/17h31.m36s	6h43m24s/17h32.m18s
<b>Day Length</b>	10h47m18s	10h48m00s	10h48m54s
<b>Moon Rise/ Set</b>	8:16PM 8:48AM	9:20PM 9:35AM	10:22PM 10:17AM
<b>Moon Phase/ illu</b>	Waning Gibbous, 91%	Waning Gibbous, 83%	Waning Gibbous, 73%
<b>NauticalTwilight</b>	0550,1823	0550,1823	0550,1824
<b>Civil Twilight</b>	0618,1755	0618,1755	0618,1756
<b>Humidity</b>	D : 73%    N : 83%	D : 74%    N : 83%	D : 74%    N : 82%
<b>Barometer (mb)</b>	1012	1013	1014
<b>Visibility</b>	Good	Good	Good
<b>Precip Chance</b>	10%	10%	10%
<b>Wind (mph)</b>	8 km/h WNW	6 km/h WNW	7 km/h NW

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



# GENERAL WEATHER FORECAST– CHATTOGRAM

Description	13 Jan 2020	14 Jan 2020	15 Jan 2020
<b>Temperature (C)</b>	24°C/ 14°C	24°C/ 14°C	25°C/ 15°C
<b>Summary</b>	Partly Cloudy/Sunny	Partly Cloudy/Sunny	Partly Cloudy/Sunny
<b>Sun Rise/Set</b>	6h35m00s/17h28m12s	6h35m00s/17h28m48s	6h34m54s/17h29m24s
<b>Day Length</b>	10h53m12s	10h53m48s	10h54m30s
<b>Moon Rise/ Set</b>	8:12PM 8:40AM	9:15PM 9:27AM	10:17PM 10:10AM
<b>Moon Phase/ illu</b>	Waning Gibbous, 91%	Waning Gibbous, 83%	Waning Gibbous, 73%
<b>NauticalTwilight</b>	0542, 1819	0542, 1820	0542, 1820
<b>Civil Twilight</b>	0610.,1752	0610.,1752	0610.,1753
<b>Humidity</b>	D : 79% N : 91%	D : 81% N : 92%	D : 79% N : 90%
<b>Barometer (mb)</b>	1012	1013	1014
<b>Visibility</b>	Moderate	Moderate	Moderate
<b>Precip Chance</b>	10%	10%	10%
<b>Wind (mph)</b>	10 km/h NW	10 km/h WNW	10 km/h NNW

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





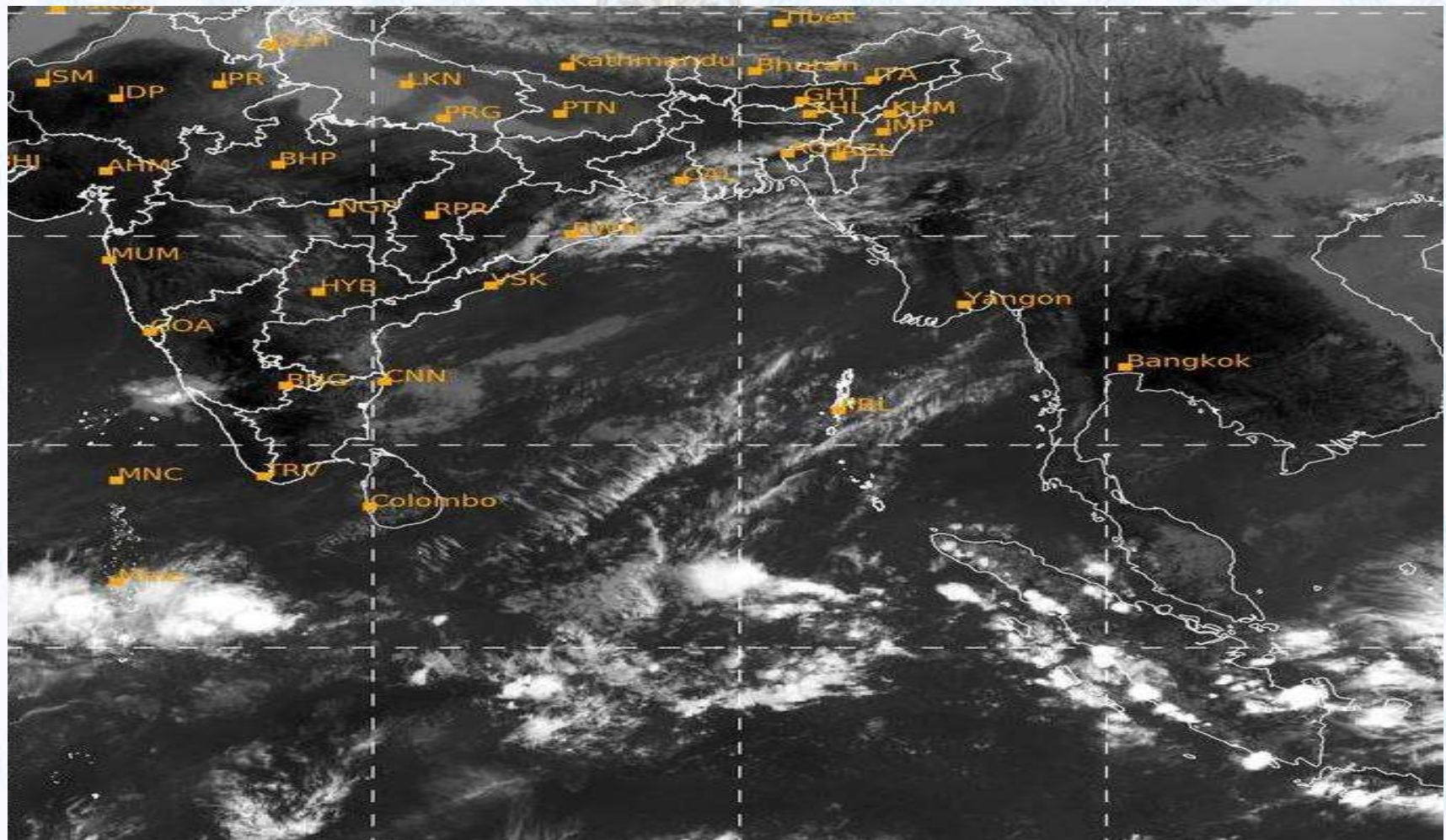
# GENERAL WEATHER FORECAST – KHULNA

Description	13 Jan 2020	14 Jan 2020	15 Jan 2020
<b>Temperature(C)</b>	23°C/ 12°C	24°C/ 13°C	25°C/ 14°C
<b>Summary</b>	Sunny	Sunny	Sunny
<b>Sun Rise/Set</b>	6h45m12s/17h36m18s	6h45m06s/17h36m54s	6h45m00s/17h37m36s
<b>Day Length</b>	10h51m206s	10h51m48s	10h52m36s
<b>Moon Rise/Set</b>	8:22PM 8:51AM	9:26PM 9:38AM	10:27PM 10:21AM
<b>Moon Phase/illu</b>	Waning Gibbous, 91%	Waning Gibbous, 83%	Waning Gibbous, 73%
<b>Nautical Twilight</b>	0552, 1827	0552, 1828	0552, 1829
<b>Civil Twilight</b>	0620.,1800	0620.,1800	0620.,1801
<b>Humidity</b>	D : 70%    N : 85%	D : 73%    N : 87%	D : 74%    N : 85%
<b>Barometer (mb)</b>	1013	1013	1014
<b>Visibility</b>	Good	Good	Good
<b>Precip Chance</b>	10%	10%	10%
<b>Wind (mph)</b>	9 km/h NW	7 km/h NW	87 km/h NNW

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



# SATELLITE VIEW OF BAY OF BENGAL



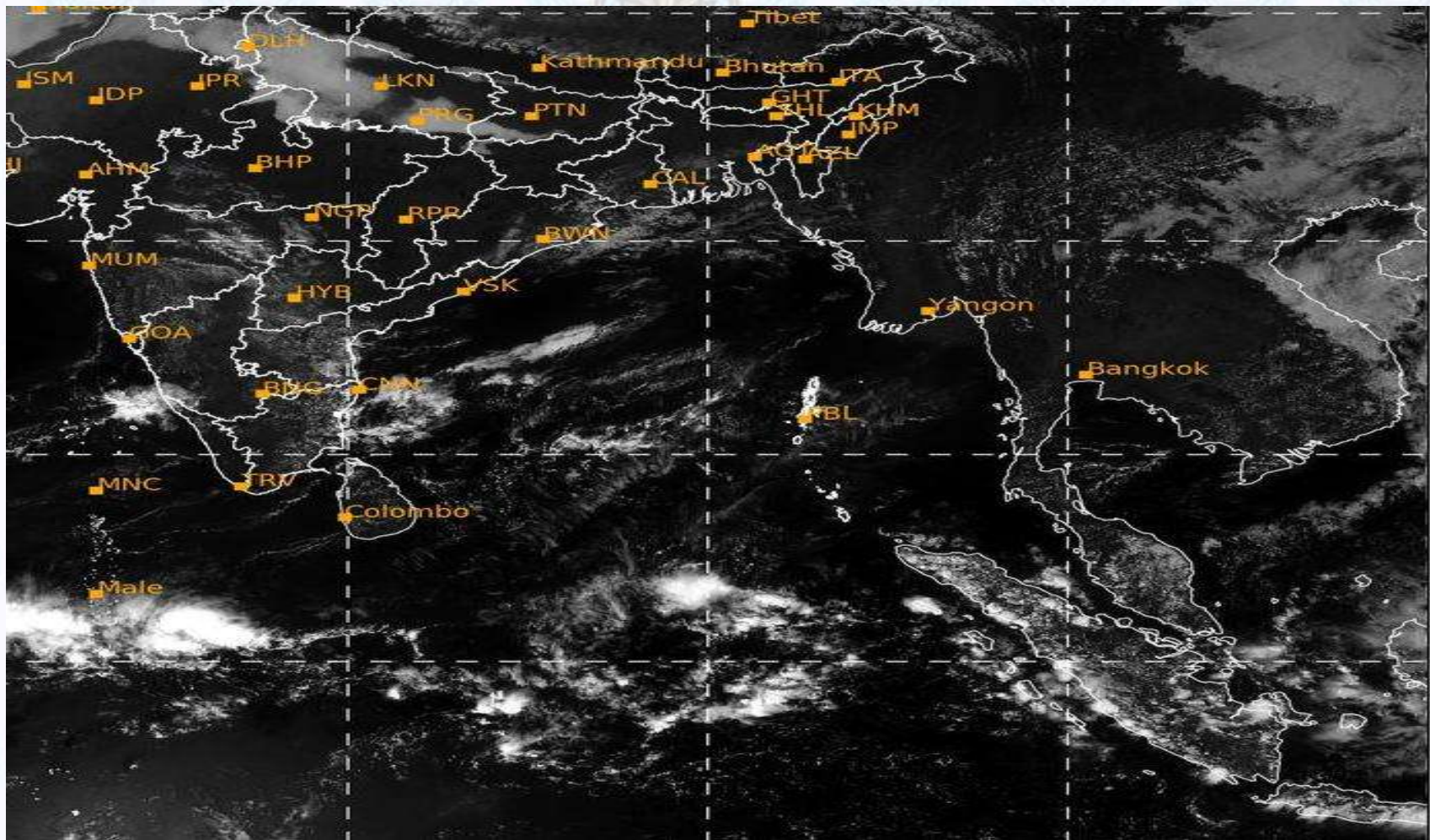
12/01/2020, 11:00 UTC MATSAT-IR

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





# SATELLITE VIEW OF BAY OF BENGAL



12/01/2020, 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 12.01.2020)

<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	N/NW'LY, 08-12 KTS.
	Visibility	02-04 KMS, REDUCING TO 1000 M OR LESS IN FOG/MIST.
	Outlook	FOR SUBSEQUENT 12 HOURS: LITTLE CHANGE.
	MSL Pressure	AT =12,0000 UTC. CHATTOGRAM =1014 HPA





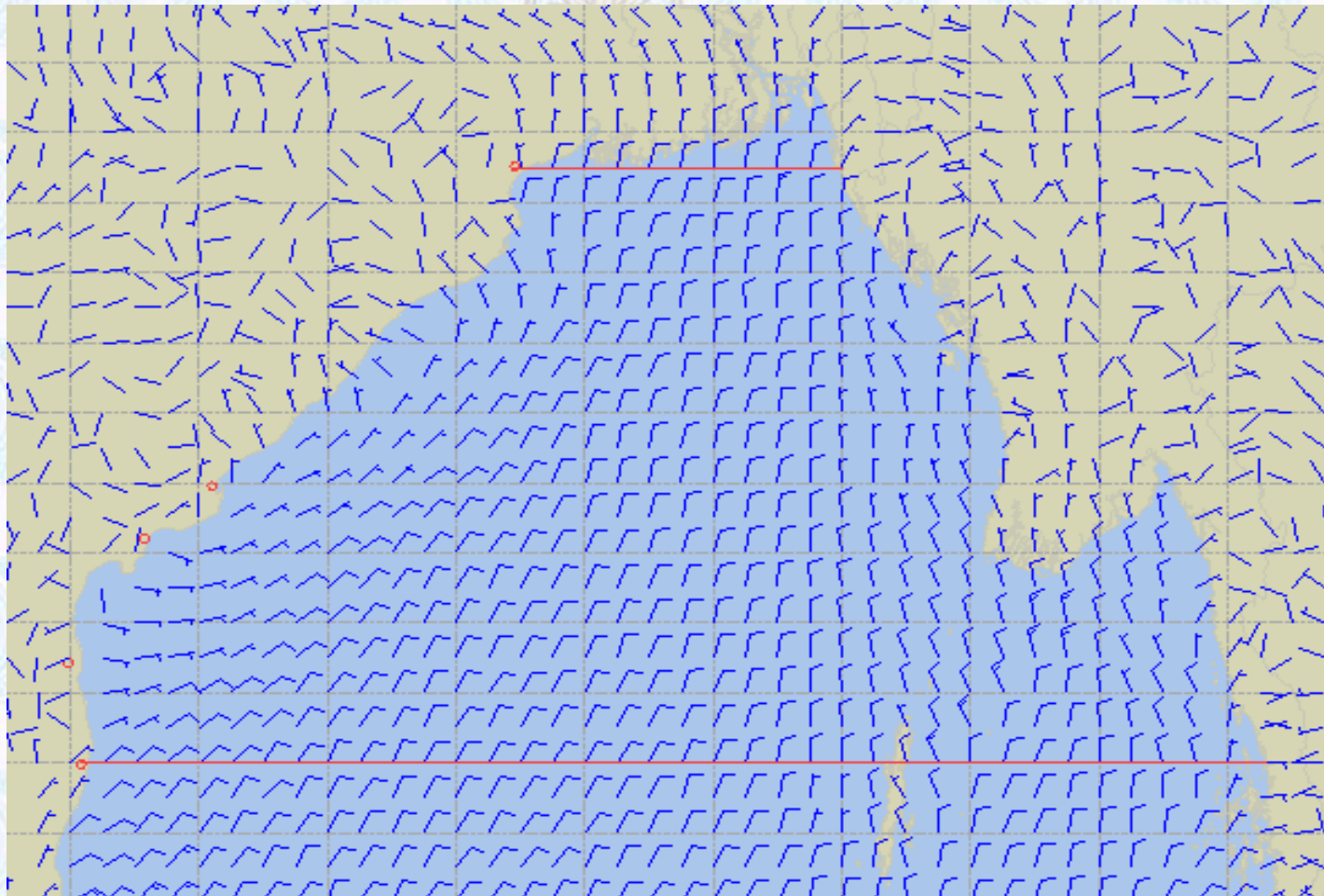
## **Inland River Port Warning** **(VALID TILL 06 PM OF 12.01.2020)**

MODERATE TO THICK FOG MAY REDUCE SURFACE VISIBILITY TO 0600 M OR LESS AT PLACES OVER THE RIVER BASINS OF THE COUNTRY DURING NEXT 02-03 HOURS COMMENCING 10 AM OF 12-01-2020 WHEREIN RIVERCRAFTS SHALL PROCEED WITH CAUTION BUT NO SIGNAL IS TO BE HOISTED.

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



# Surface Wind Forecast- 13 Jan- 2020



**Legend:**



**Calm  
Winds**



**5 Knots**



**10 Knots**



**60 Knots**

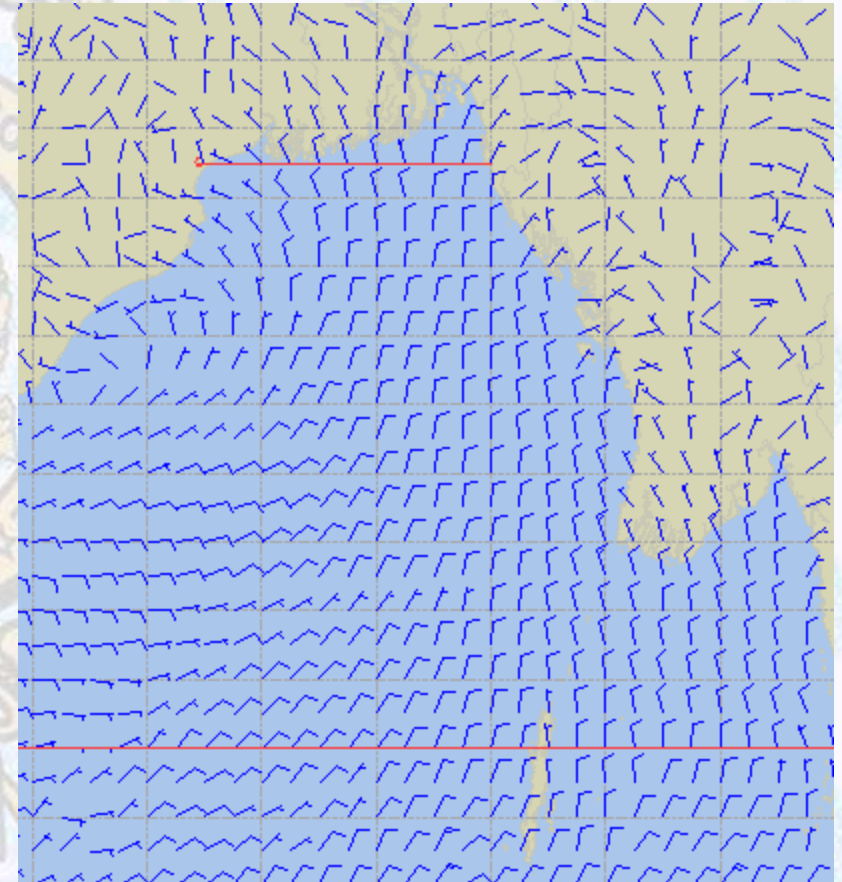
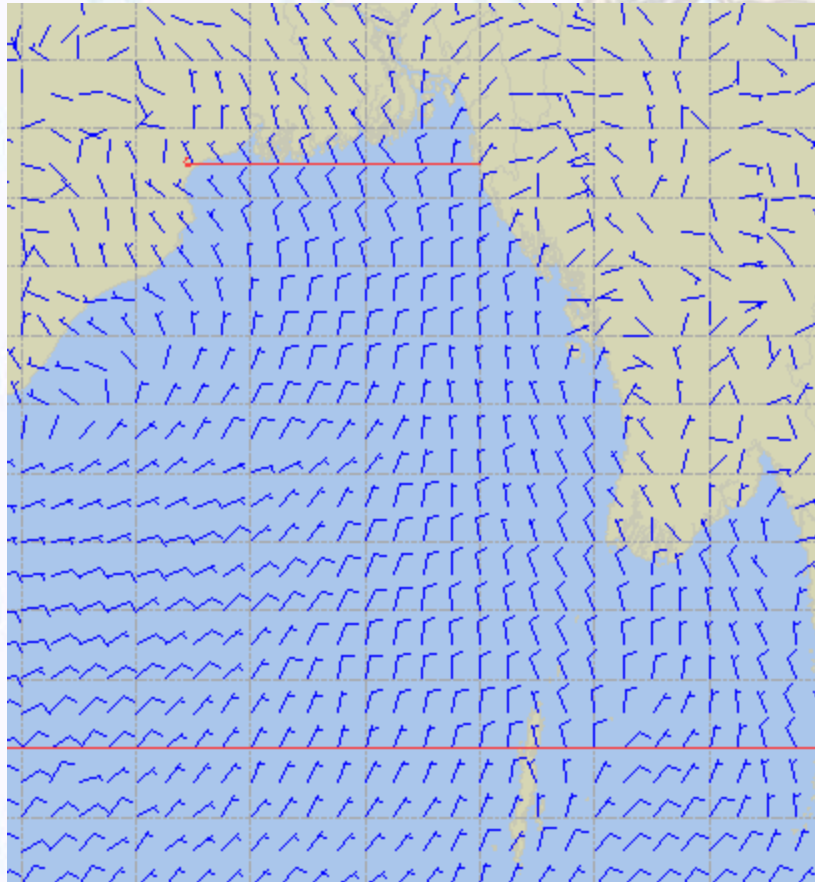




# Surface Wind Forecast – 14 & 15 Jan - 2020

14 Jan 2020 Tuesday

15 Jan 2020 Wednesday



## Legend:



Calm  
Winds



5 Knots



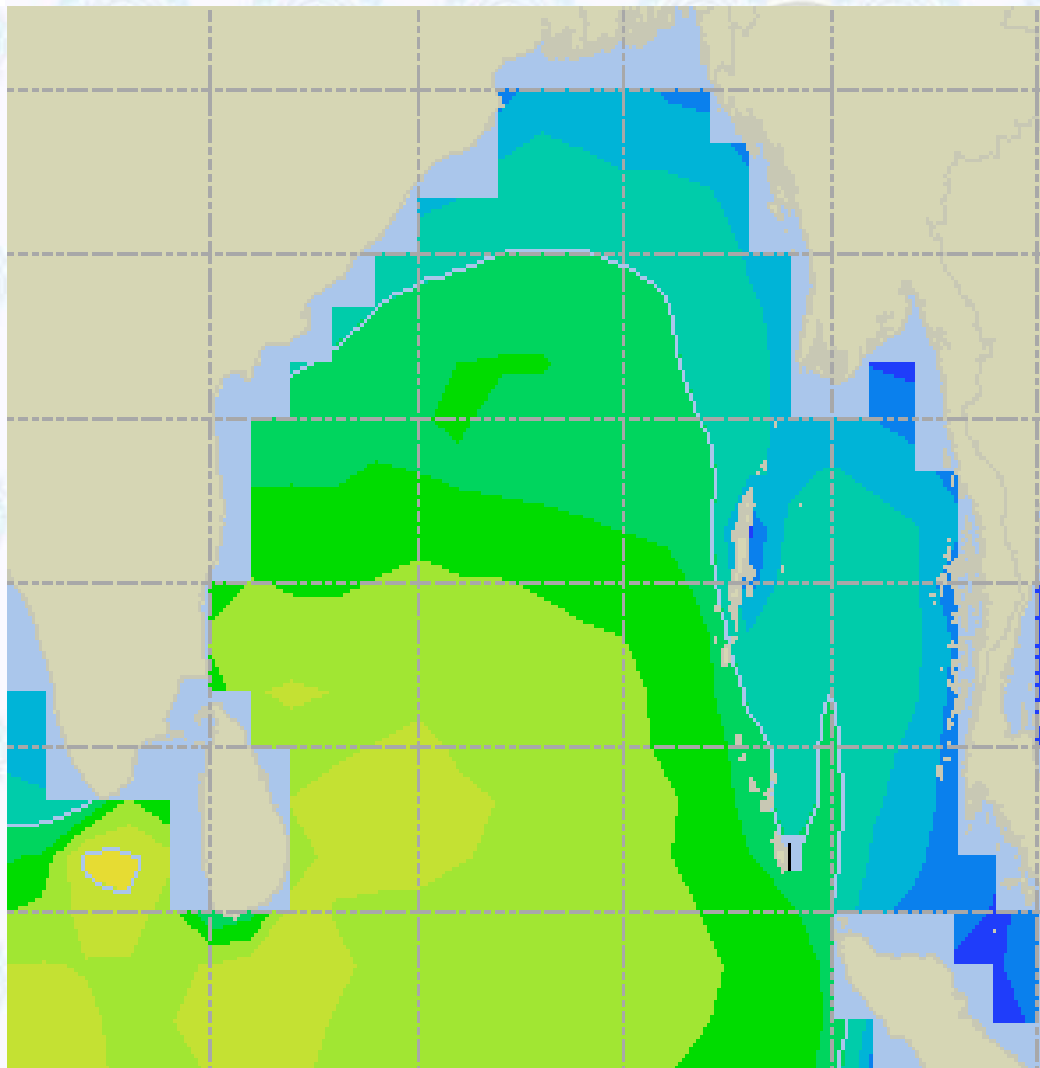
10 Knots



60 Knots



# Sea State Forecast- 13 Jan - 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



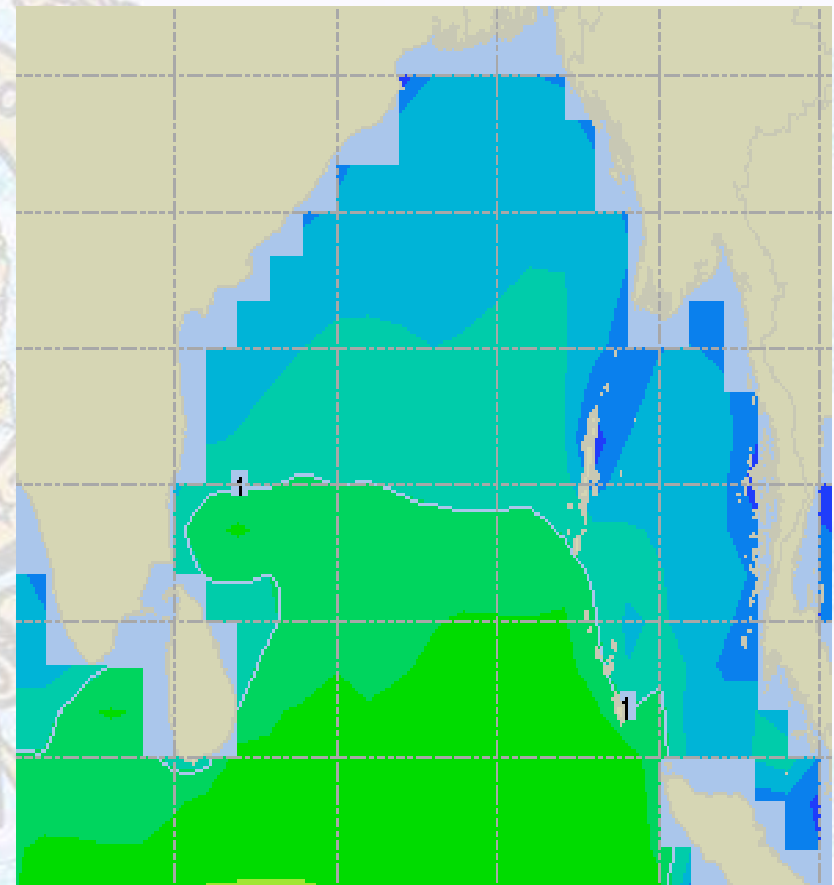
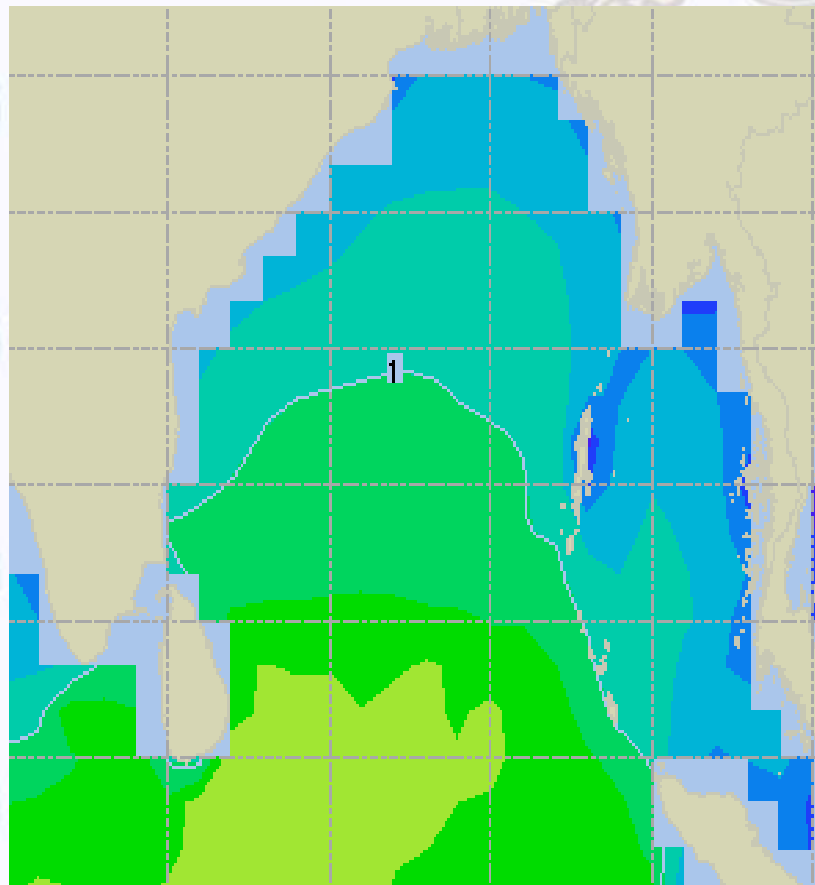




# Sea State Forecast – 14 & 15 Jan - 2020

14 Jan 2020 Tuesday

15 Jan 2020 Wednesday

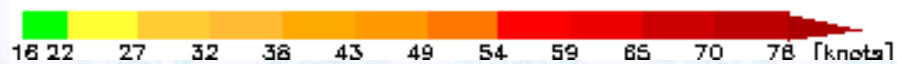
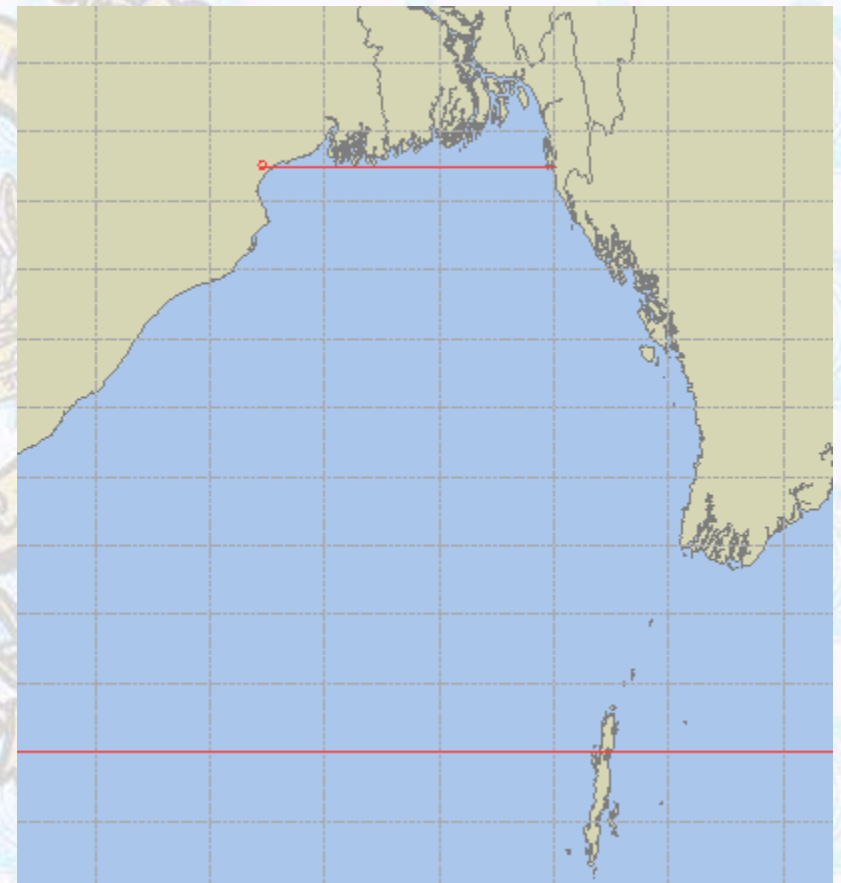
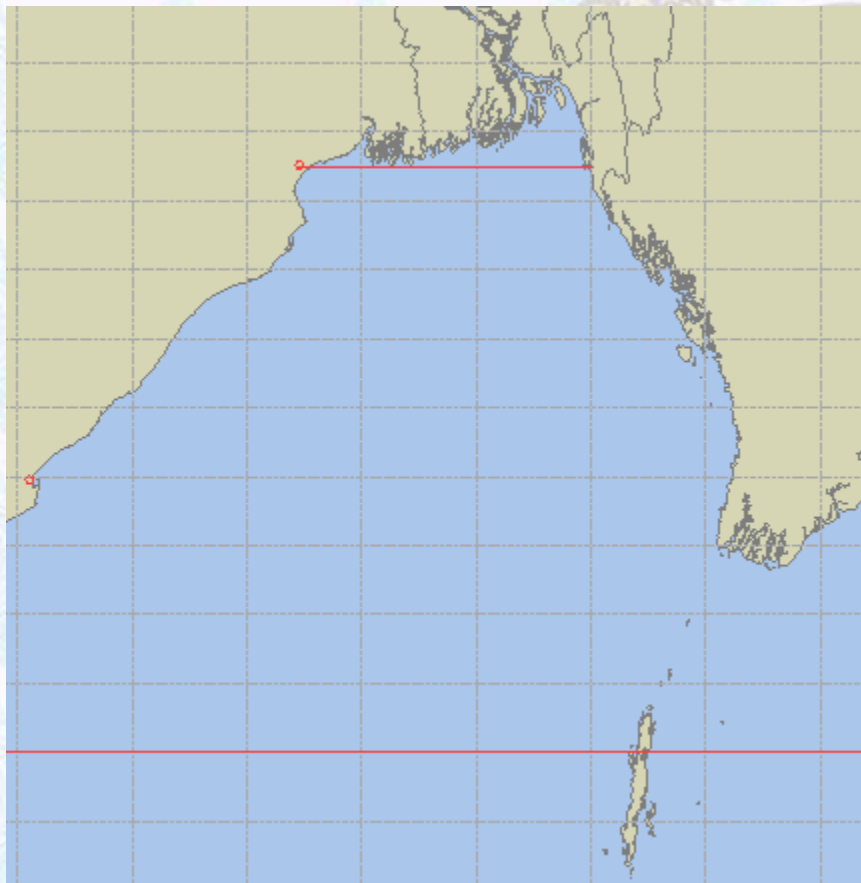




# Peak Gusting Possibilities – 13 & 14 Jan - 2020

13 Jan 2020 Monday

14 Jan 2020 Tuesday

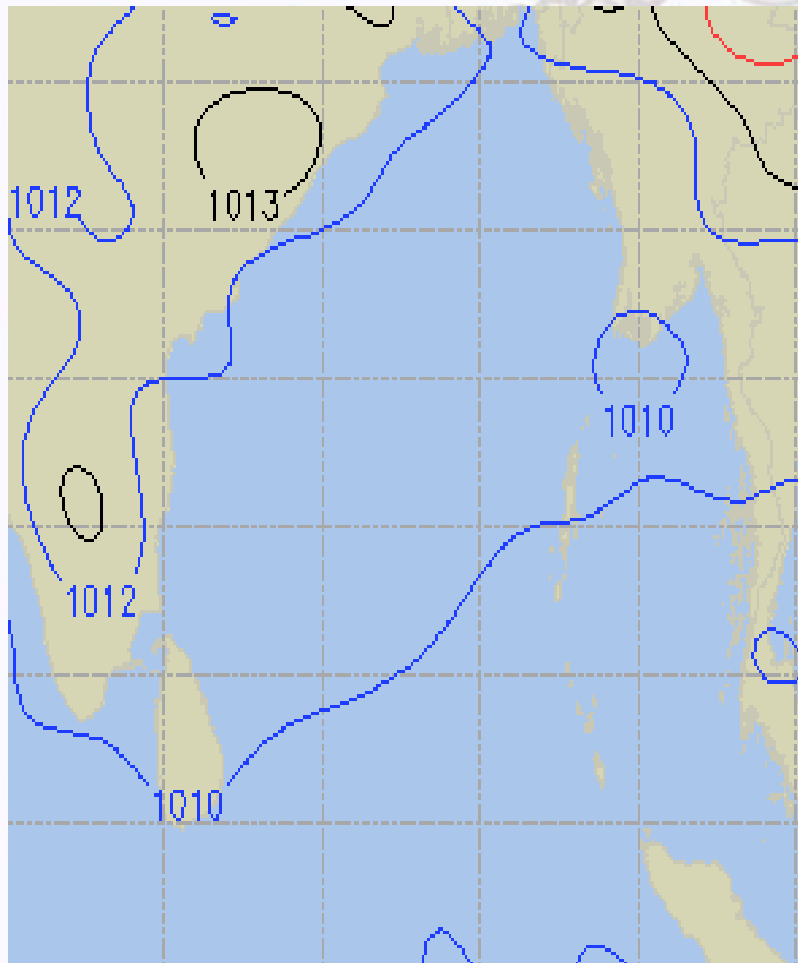




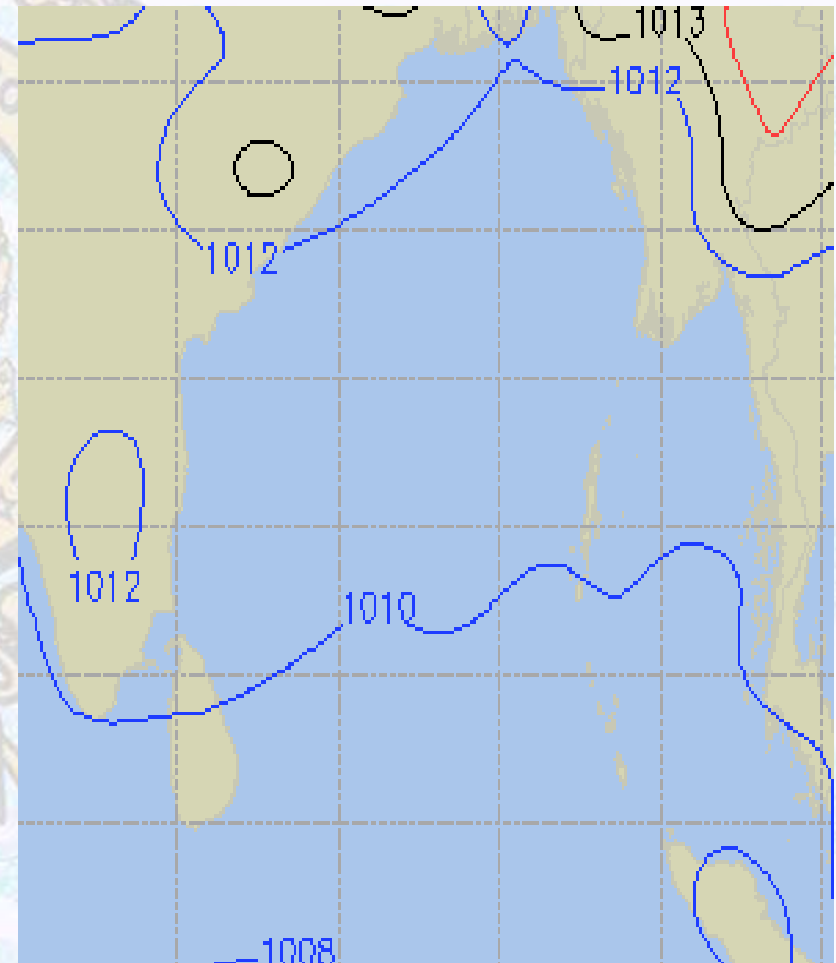


# Surface Pressure forecast – 13 & 14 Jan - 2020

13 Jan 2020 Monday



14 Jan 2020 Tuesday

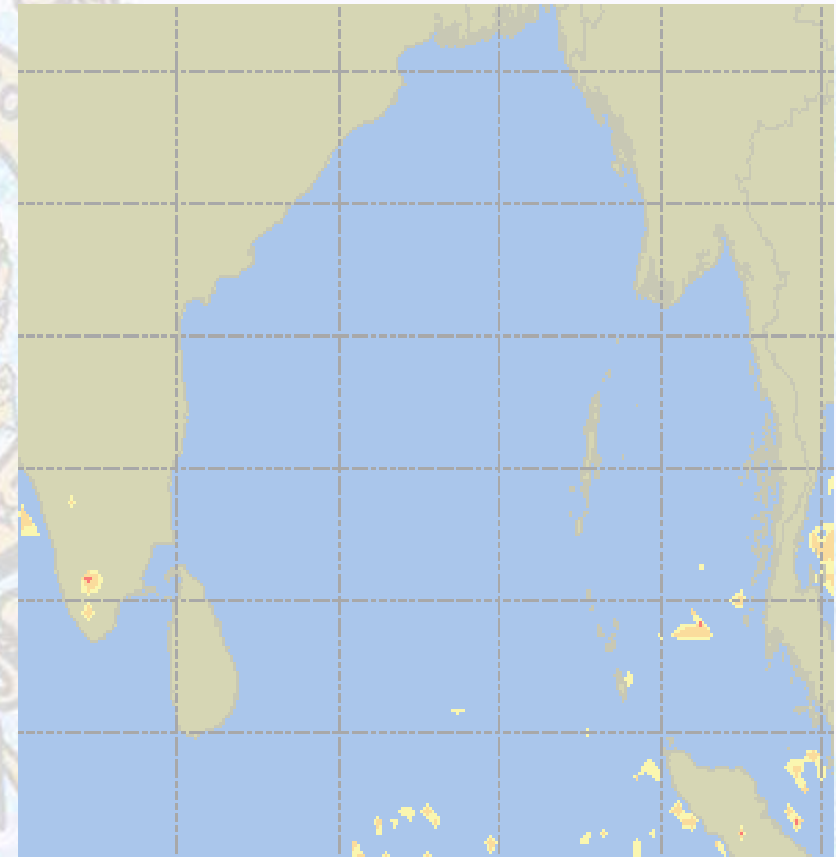
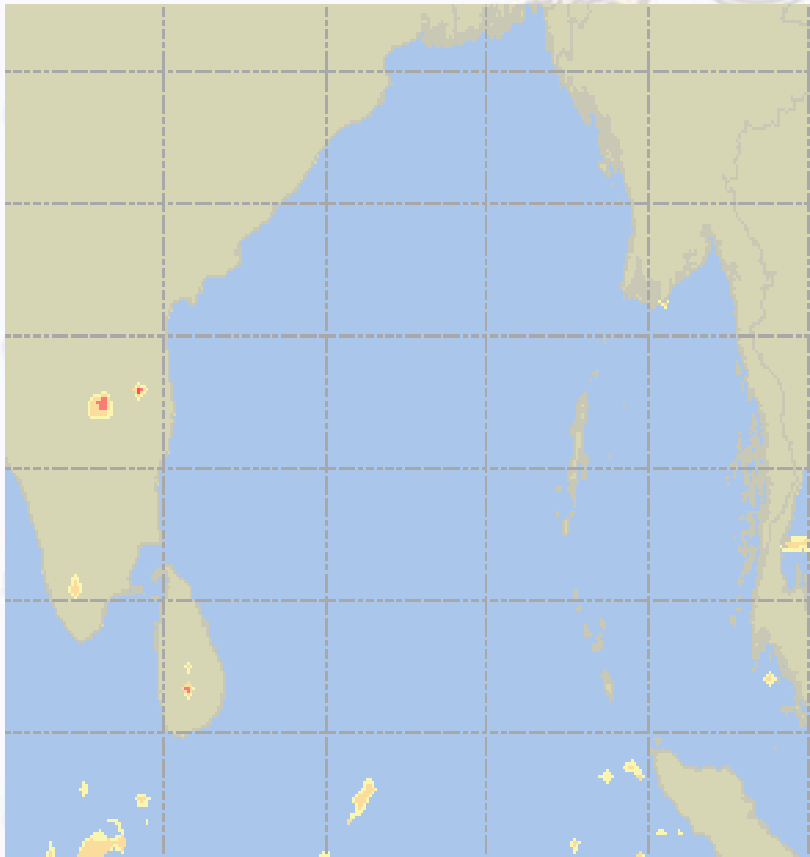




# Visibility at Sea Forecast – 13 & 14 Jan - 2020

13 Jan 2020 Monday

14 Jan 2020 Tuesday



**Visibility Scale:**



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

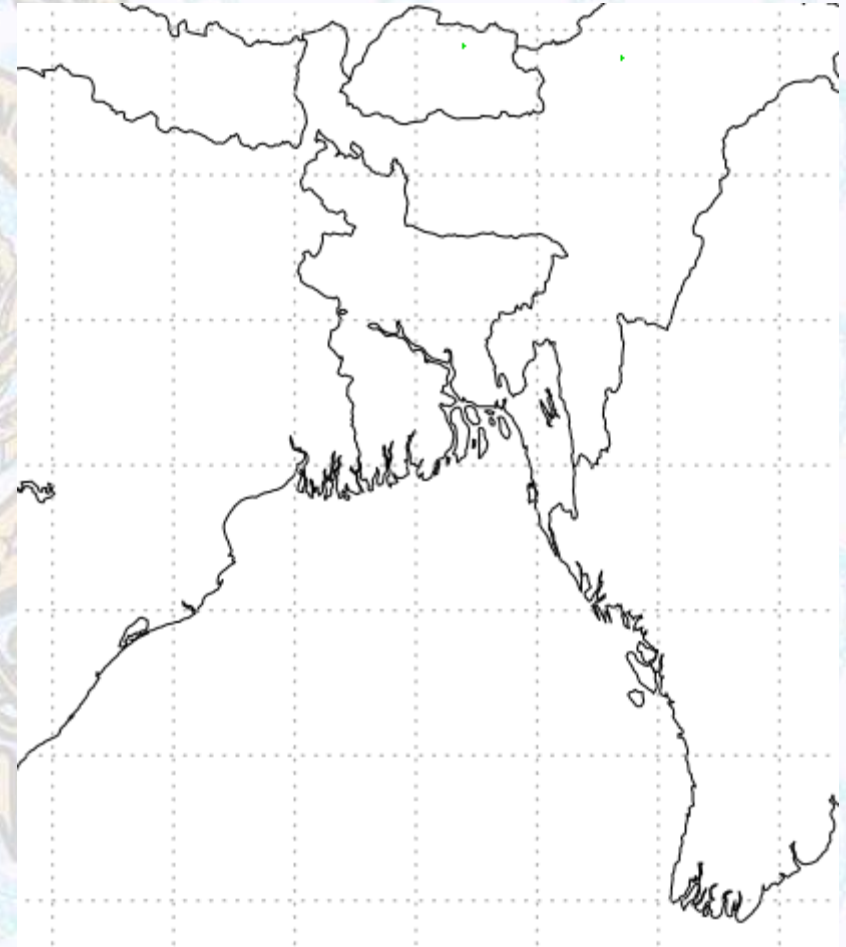
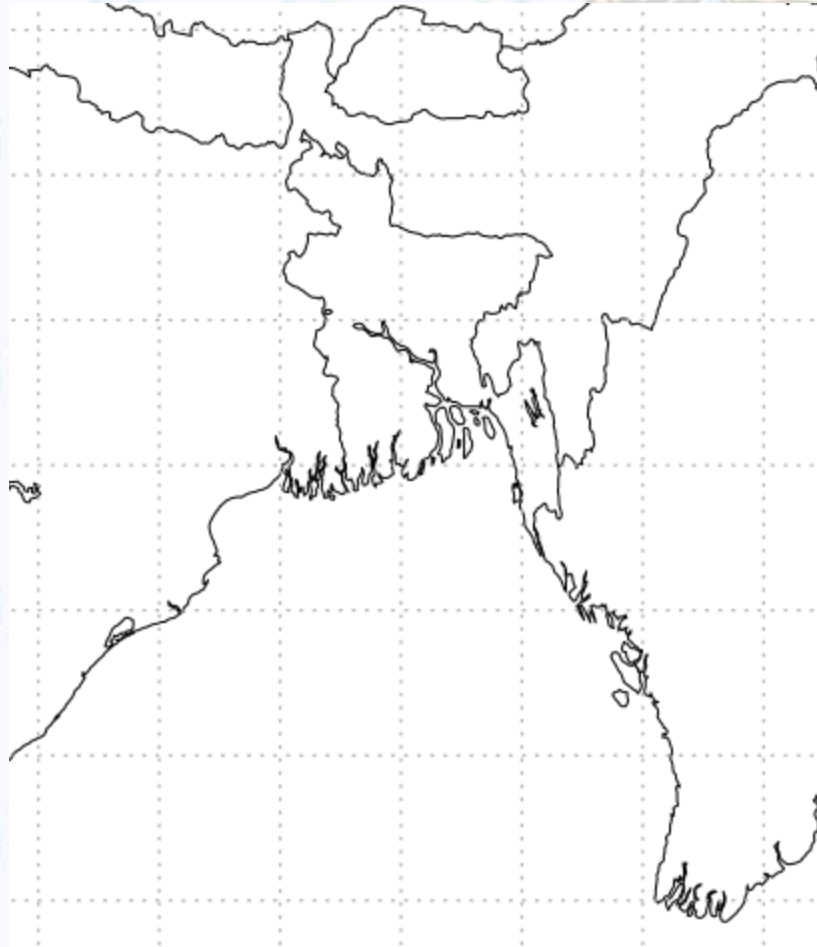




# Precipitation

Rain(mm) 13 & 14 Jan 2020

Rain(mm) 14 & 15 Jan 2020



Precipitation Scale (mm):





# Tidal Information

## KHAL NO. 10

## COX'S BAZAR

## HIRAN POINT

	Time	Height		Time	Height		Time	Height
<b>13Jan 2020</b>	0206	4.46		0002	3.58		0007	3.00
	0907	0.48		0644	0.31		0640	0.43
	1438	3.97		1217	3.11		1231	2.65
	2108	0.52		1854	0.28		1840	0.42
<b>14Jan 2020</b>	<b>Time</b>	<b>Height</b>		<b>Time</b>	<b>Height</b>		<b>Time</b>	<b>Height</b>
	0249	4.45		0044	3.52		0047	2.98
	0949	0.41		0725	0.31		0721	0.41
	1525	3.99		1301	3.06		1315	2.65
	2154	0.56		1937	0.33		1923	0.49
<b>15Jan 2020</b>	<b>Time</b>	<b>Height</b>		<b>Time</b>	<b>Height</b>		<b>Time</b>	<b>Height</b>
	0337	4.35		0127	3.39		0129	2.89
	1034	0.38		0807	0.36		0802	0.44
	1618	3.96		1349	2.96		1402	2.60
	2245	0.65		2022	0.43		2009	0.62