



WEATHER FORECAST FOR BN

20-23 MAY 2020



WEATHER FORECAST – DHAKA

20.05.2020

Hourly	2 PM	4 PM	8 PM	11 PM
Temp. / Dew Point	29 / 25	28 / 25	27 / 24	27 / 24
Wind	44 km/h E	km/h ESE	45 km/h E	47 km/h ESE
Humidity	80%	81%	84%	84%
Chance of Precip	65%	46%	92%	87%
Cloud Cover	96%	97%	96%	97%
Conditions	Partly Cloudy	Partly Cloudy	Partly Cloudy/ Rain	Partly Cloudy/ Rain
Sunrise Sunset	5: 15 AM 6: 37 PM			

Conditions

Pressure : 998 hpa

Visibility : 11.27 km

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



WEATHER FORECAST – CHATTOGRAM

20.05.2020

Hourly	2 PM	4 PM	8 PM	11 PM
Temp. / Dew Point	31 / 27	31 / 26	29 / 26	28 / 27
Wind	32 km/h SSE	34 km/h SSE	34 km/h SE	39 km/h SE
Humidity	77%	77%	85%	94%
Chance of Precip.	52%	37%	60%	82%
Cloud Cover	94%	87%	98%	95%
Conditions	Partly Cloudy	Partly Cloudy	Partly Cloudy	Partly Cloudy
Sunrise Sunset	5: 12 AM 6: 28 PM			

Conditions

Pressure : 998 hpa

Visibility : 16.09 Km

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



WEATHER FORECAST – KHULNA

20.05.2020

Hourly	2 PM	4 PM	8 PM	11 PM
Temp. / Dew Point	28 / 27	28 / 26	27 / 26	26 / 25
Wind	51 km/h E	53 km/h ESE	59 km/h ESE	65 km/h SE
Humidity	92%	94%	93%	93%
Chance of Precip.	65%	73%	81%	82%
Cloud Cover	98%	99%	98%	98%
Conditions	Partly Cloudy	Partly Cloudy	Partly Cloudy/ Rain	Partly Cloudy/ Rain
Sunrise Sunset	5: 22 AM 6: 39 PM			

Conditions

Pressure : 994 hpa

Visibility : 12.87 Km

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



GENERAL WEATHER FORECAST – DHAKA

Description	21 May 2020	22 May 2020	23 May 2020
Temperature (C)	29°C/ 25°C	33°C/ 26°C	34°C/ 26°C
Summary	Partly Cloudy	Partly Cloudy	Partly Cloudy
Sun Rise/Set	5h13m24s/18h37m06s	5h13m00s/18h37m36s	5h12m42s/18h38m06s
Day Length	13h23m42s	13h24m36s	13h25m24s
Moon Rise/ Set	04:19AM 05:25PM	04:55AM 06:18PM	05:35AM 07:13PM
Moon Phase/ illu	Wanning Crescent 1%	Wanning Crescent 0%	New Moon 1%
NauticalTwilight	0419,1930	0419,1931	0418,1932
Civil Twilight	0449,1901	0448,1901	0448,1902
Humidity	D : 81% N : 86%	D : 74% N : 88%	D : 70% N : 85%
Barometer (mb)	992	1000	1004
Visibility	Good	Good	Good
Precip Chance	70%	20%	40%
Wind (mph)	59 Km/h S	14 Km/h SSW	12 Km/h S

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



GENERAL WEATHER FORECAST– CHATTOGRAM

Description	21 May 2020	22 May 2020	23 May 2020
Temperature (C)	31°C/ 27°C	31°C/ 26°C	32°C/ 27C
Summary	Partly Cloudy	Partly Cloudy	Partly Cloudy
Sun Rise/Set	5h10m24s/18h28m30s	5h10m00s/18h29m00s	5h09m48s/18h29m30s
Day Length	13h18m06s	13h19m00s	13h19m42s
Moon Rise/ Set	04:14AM 05:17PM	04:51AM 06:10PM	05:31AM 07:05PM
Moon Phase/ illu	Wanning Crescent 1%	New Moon 0%	New Moon 1%
NauticalTwilight	0417, 1921	0417, 1922	0416, 1922
Civil Twilight	0446, 1852	0446, 1853	0445, 1853
Humidity	D : 84% N : 92%	D : 84% N : 94%	D : 79% N : 93%
Barometer (mb)	997	1002	1005
Visibility	Good	Good	Good
Precip Chance	80%	60%	20%
Wind (mph)	38 Km/h SSW	18 Km/h SSW	15 Km/h SSW

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



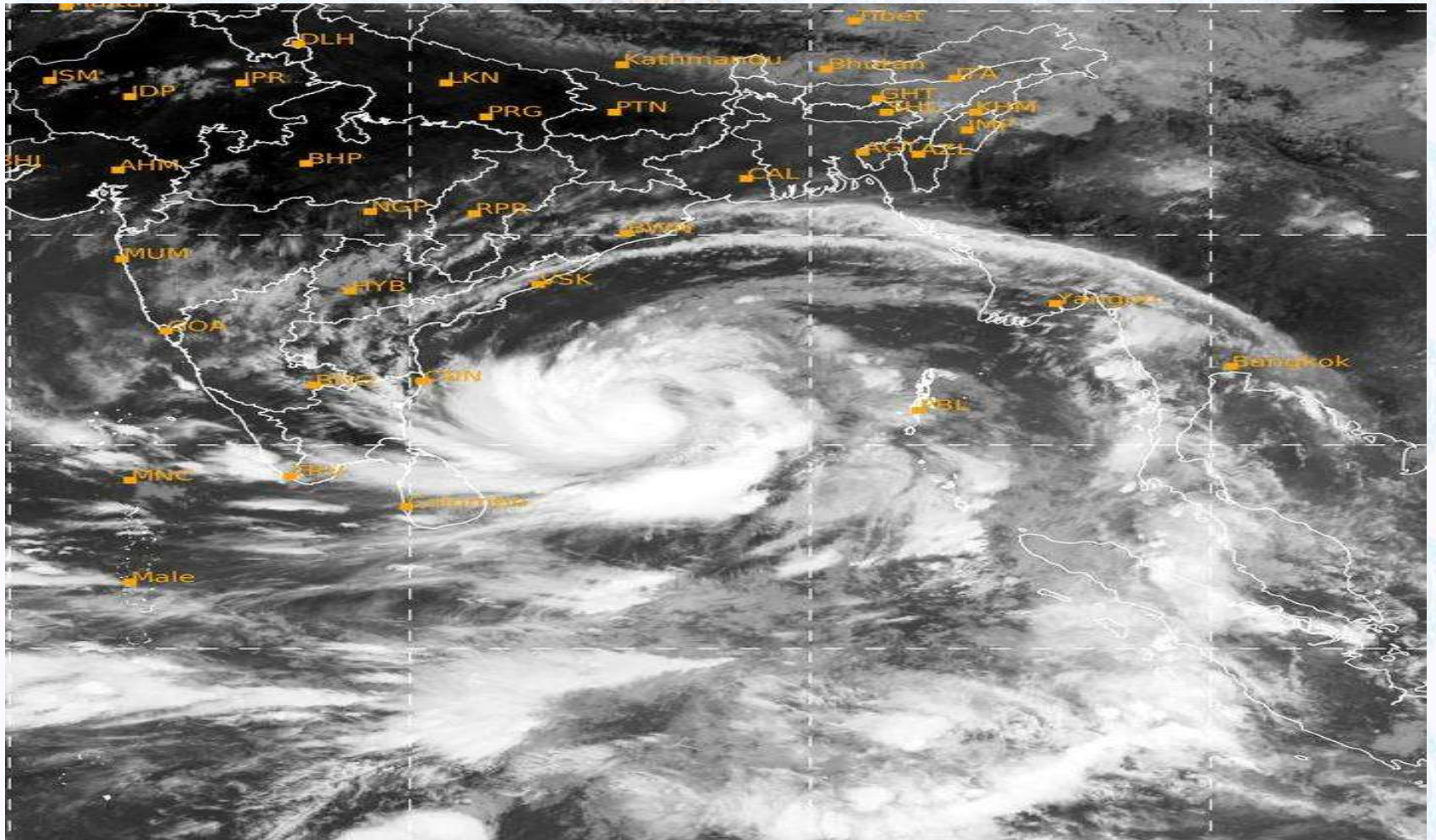
GENERAL WEATHER FORECAST – KHULNA

Description	21 May 2020	22 May 2020	23 May 2020
Temperature(C)	31°C/ 27°C	31°C/ 26°C	32°C/ 27°C
Summary	Partly cloudy	Partly cloudy	Partly cloudy
Sun Rise/Set	5h18m36s/18h38m42s	5h18m12s/18h39m12s	5h17m54s/18h39m42s
Day Length	13h20m06s	13h21m00s	13h21m48s
Moon Rise/Set	04:24AM 05:28PM	05:01AM 06:20PM	05:41AM 07:15PM
Moon Phase/illu	Wanning Crescent 1%	New Moon 0%	New Moon 1%
Nautical Twilight	0425, 1931	0424, 1932	0424, 1933
Civil Twilight	0454, 1902	0454, 1903	0453, 1903
Humidity	D : 84% N : 92%	D : 84% N : 94%	D : 79% N : 93%
Barometer (mb)	990	1001	1003
Visibility	Good	Good	Good
Precip Chance	80%	60%	20%
Wind (mph)	38 km/h SSW	18 km/h SSW	15 km/h SSW

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



SATELLITE VIEW OF BAY OF BENGAL

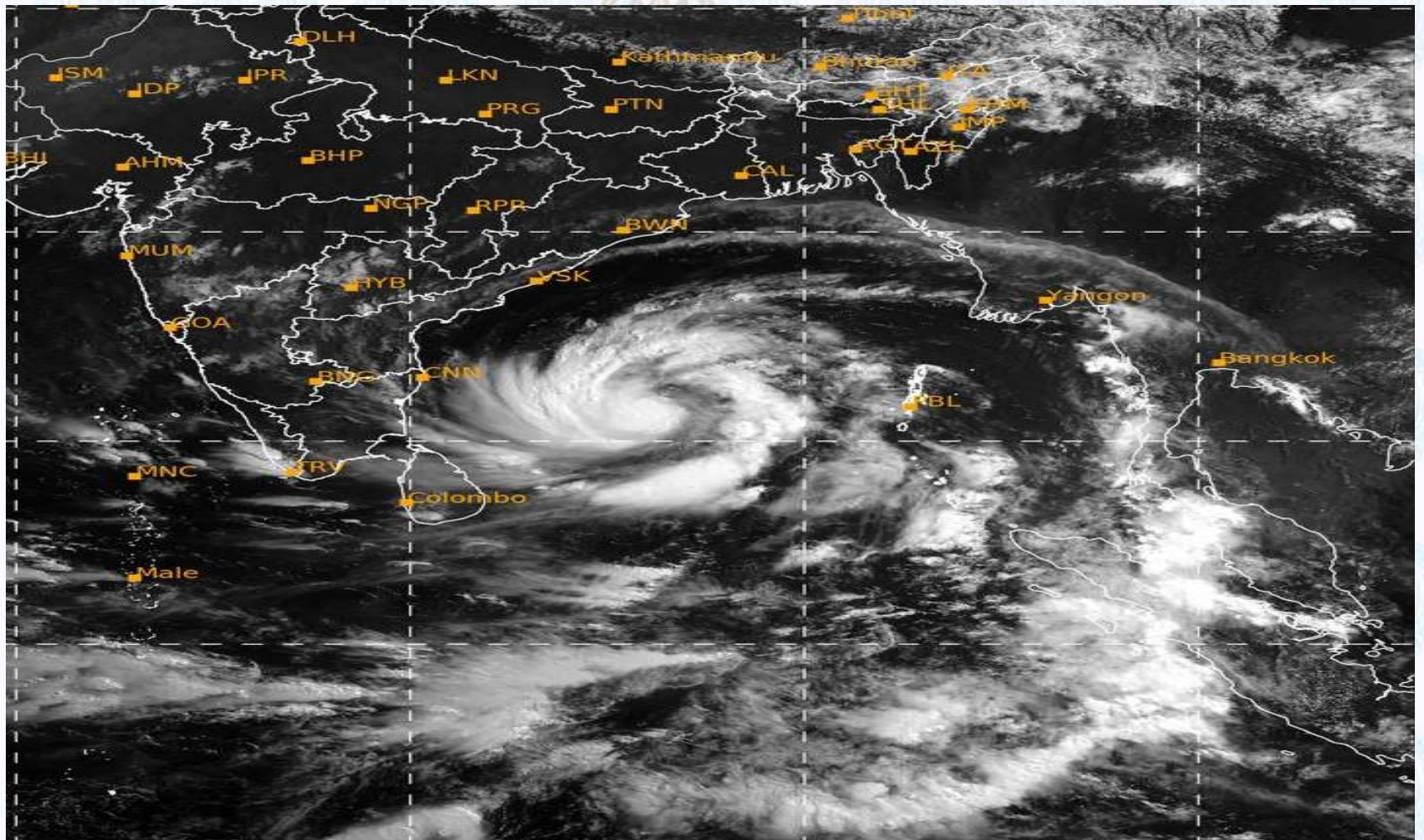


20/05/2020, 12:00 UTC MATSAT-IR

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



SATELLITE VIEW OF BAY OF BENGAL



20/05/2020, 12:00 MATSAT-VIS

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



Fleet Forecast Sea Area C-90 (Valid for 12 Hrs Commencing 1000 UTC of 20.05.2020)

Part One	WARNING BAY OF BENGAL.	
Part Two	THE CYCLONE 'AMPHAN' (PRONUNCIATION:UMPUN) (ECP: 950 HPA) OVER NORTH-WEST BAY AND ADJOINING NORTH-EAST BAY AND WEST CENTRAL BAY MOVED NORTH-NORTHEASTWARDS AND LIES OVER THE SAME AREA AND WAS CENTERED AT 20,0000 UTC WITHIN HALF A DEGREE OF LAT 20.2° NORTH AND LONG 87.5° EAST (R) LAT 20.2° NORTH AND LONG 87.5° EAST. IT IS LIKELY TO MOVE IN A NORTH-NORTHEASTERLY DIRECTION AND MAY CROSS WEST BENGAL-BANGLADESH COAST NEAR SUNDARBANS DURING AFTERNOON/EVENING 20 MAY, 2020.	
Part Three	Weather	RAIN/THUNDER SHOWERS OVER AREA C-90.
	Wind	SOUTH/SOUTH-EASTERLY, 40-50 KTS. TEMPORARY GUSTING TO 80-100 KTS. OR MORE.
	Visibility	02-04 KMS, REDUCING TO 0800 M OR LESS IN RAIN/SHOWERS.
	Outlook	FOR SUBSEQUENT 12 HOURS: LITTLE CHANGE.
	MSL Pressure	AT =20,0000 UTC. CHATTOGRAM =1000 HPA



Inland River Port Warning **(VALID TILL 07 PM OF 20.05.2020)**

DUE TO CYCLONE 'AMPHAN' RAIN/THUNDER SHOWERS ACCOMPANIED BY TEMPORARY SOUTH/SOUTH-EASTERLY SQUALLS SPEED 89 KPH OR MORE IS LIKELY TO OCCUR OVER THE REGIONS OF JASHORE, KUSHTIA, KHULNA, BARISHAL, PATUAKHALI, NOAKHALI, CUMILLA, CHATTOGRAM, COX'S BAZAR, RAJSHAHI, PABNA, BOGURA, TANGAIL, MYMENSINGH, DHAKA, FARIDPUR AND MADARIPUR WHEREIN RIVERPORTS SHALL HOIST RIVERINE GREAT DANGER SIGNAL NO FOUR (R) FOUR.

RAIN/THUNDER SHOWERS ACCOMPANIED BY TEMPORARY SOUTH/SOUTH-EASTERLY SQUALLS WIND SPEED 60-80KPH IS LIKELY TO OCCUR ELSEWHERE OVER THE COUNTRY WHEREIN RIVERPORTS SHALL HOIST RIVERINE WARNING SIGNAL NO TWO (R) TWO.

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



SPECIAL WEATHER BULLETIN, SL NO: 32 (THIRTY TWO)

DATE: 20.05.2020

SPECIAL WEATHER BULLETIN, SL NO: 32 (THIRTY TWO), DATE: 20.05.2020

THE CYCLONE 'AMPHAN' (PRONUNCIATION: UM-PUN) (ECP: 950 HPA) OVER NORTHWEST BAY AND ADJOINING NORTHEAST BAY AND WESTCENTRAL BAY MOVED NORTH- NORTHEASTWARDS AND LIES OVER THE SAME AREA(LAT. 20.2°N, LONG. 87.5°E) AND WAS CENTRED AT 09 AM TODAY (20 MAY 2020) ABOUT 525 KM SOUTHWEST OF CHATTOGRAM PORT, 515 KM SOUTHWEST OF COX'S BAZAR PORT, 345 KM SOUTHWEST OF MONGLA PORT AND 370 KM SOUTHWEST OF PAYRA PORT. IT IS LIKELY TO MOVE IN A NORTHNORTHEASTERLY DIRECTION AND MAY CROSS WEST BENGAL-BANGLADESH COAST NEAR SUNDARBANS DURING AFTERNOON / EVENING 20 MAY 2020.

MAXIMUM SUSTAINED WIND SPEED WITHIN 85 KMS OF THE CYCLONE CENTRE IS ABOUT 200 KPH RISING TO 220 KPH IN GUSTS/ SQUALLS. SEA WILL REMAIN VERY HIGH NEAR THE CYCLONE CENTRE.

WARNING SIGNAL: □ MARITIME PORTS OF MONGLA AND PAYRA HAVE BEEN ADVISED TO KEEP HOISTED GREAT DANGER SIGNAL NUBMER TEN (R) TEN . COASTAL DISTRICTS OF SATKHIRA, KHULNA, BAGHERHAT, JHALOKATHI, PIROZPUR, BORGUNA, PATUAKHALI, BHOLA, BARISHAL, LAXMIPUR, CHANDPUR AND THEIR OFFSHORE ISLANDS AND CHARS WILL COME UNDER GREAT DANGER SIGNAL NUMBER TEN (R) TEN. □ MARITIME PORTS OF CHATTOGRAM AND COX'S BAZAR HAVE BEEN ADVISED TO LOWER DANGER SIGNAL NUBMER SIX (R) SIX BUT INSTEAD HOIST GREAT DANGER SIGNAL

NUBMER NINE (R) NINE . COASTAL DISTRICTS OF NOAKHALI, FENI, CHATTOGRAM AND COX'S BAZAR THEIR OFFSHORE ISLANDS AND CHARS WILL COME UNDER GREAT DANGER SIGNAL NUMBER NINE (R) NINE. STORM SURGE WARNING: □

UNDER THE INFLUENCE OF THE CYCLONE AND THE END DAY OF LAST QUARTER MOON, THE LOW-LYING AREAS OF THE COASTAL DISTRICTS OF SATKHIRA, KHULNA, BAGHERHAT, JHALOKATHI, PIROZPUR, BORGUNA, PATUAKHALI, BHOLA, BARISHAL, LAXMIPUR, CHANDPUR, NOAKHALI, FENI, CHATTOGRAM AND THEIR OFFSHORE ISLANDS AND CHARS ARE LIKELY TO BE INUNDATED BY STORM SURGE OF 10-15 FEET HEIGHT ABOVE NORMAL ASTRONOMICAL TIDE. WIND

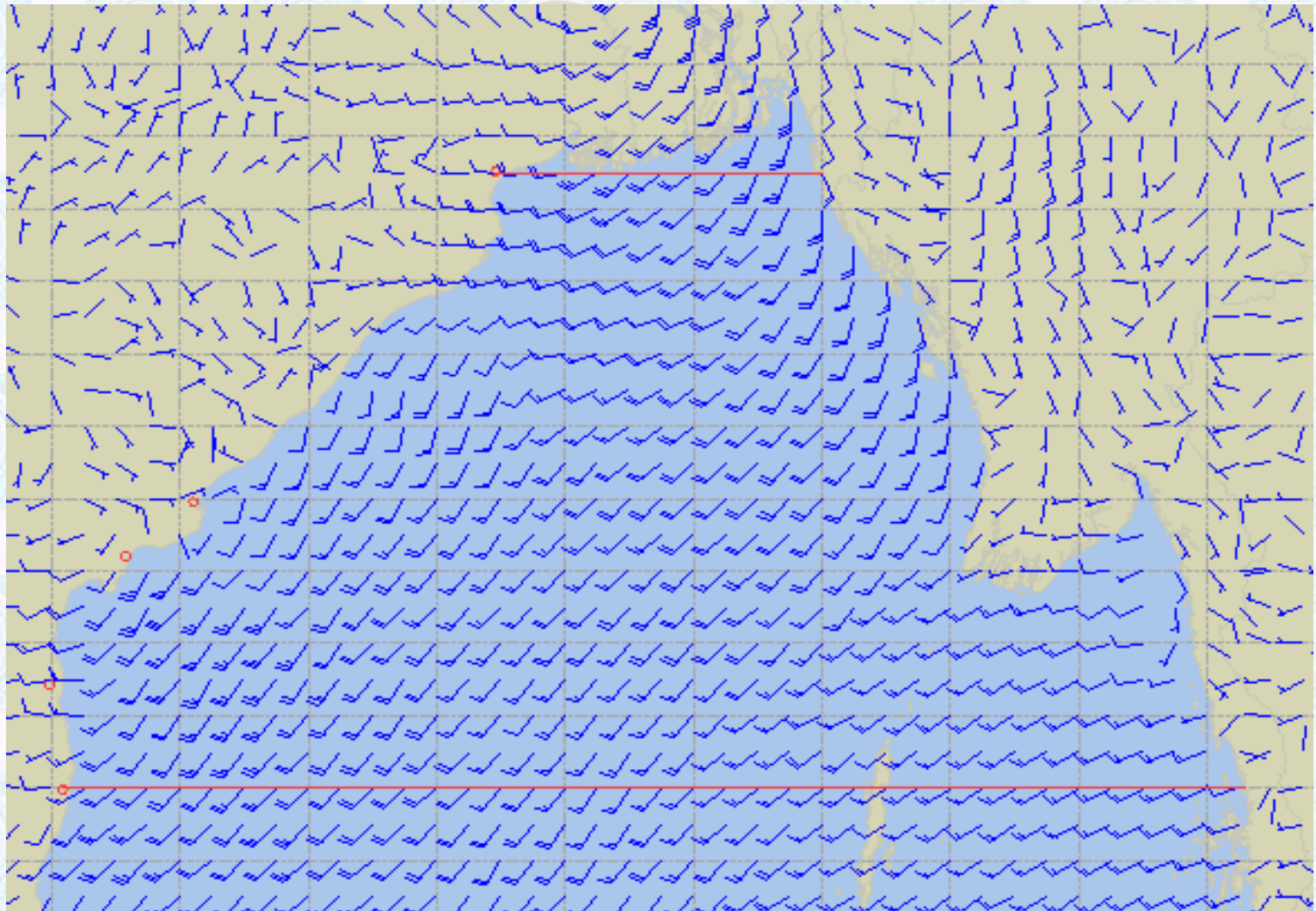
WARNING: □ THE COASTAL DISTRICTS OF SATKHIRA, KHULNA, BAGHERHAT, JHALOKATHI, PIROZPUR, BORGUNA, PATUAKHALI, BHOLA, BARISHAL, LAXMIPUR, CHANDPUR, NOAKHALI, FENI, CHATTOGRAM AND THEIR OFFSHORE ISLANDS AND CHARS ARE LIKELY TO EXPERIENCE WIND SPEED UP TO 140-160 KPH IN GUSTS/ SQUALLS WITH HEAVY TO VERY HEAVY FALLS DURING THE PASSAGE OF THE CYCLONE. FISHERMEN WARNING: □ ALL FISHING BOATS AND

TRAWLERS OVER NORTH BAY AND DEEP SEA HAVE BEEN ADVISED TO TAKE SHELTER IMMEDIATELY AND WILL REMAIN IN SHELTER TILL FURTHER NOTICE.

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



Surface Wind Forecast- 21 May - 2020



Legend:



**Calm
Winds**



5 Knots



10 Knots



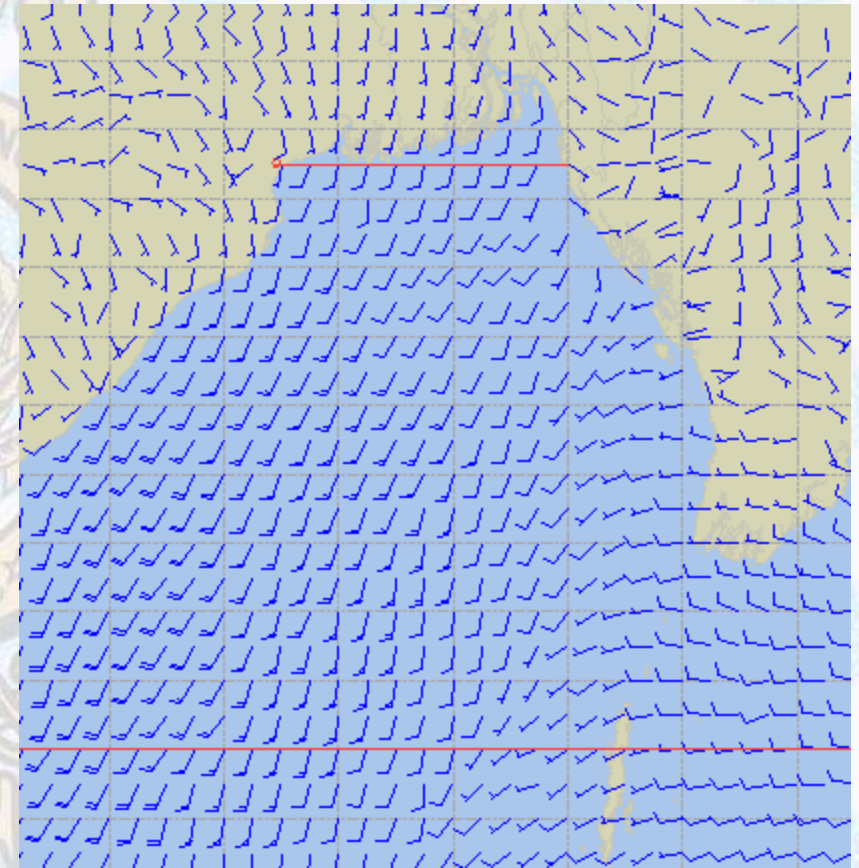
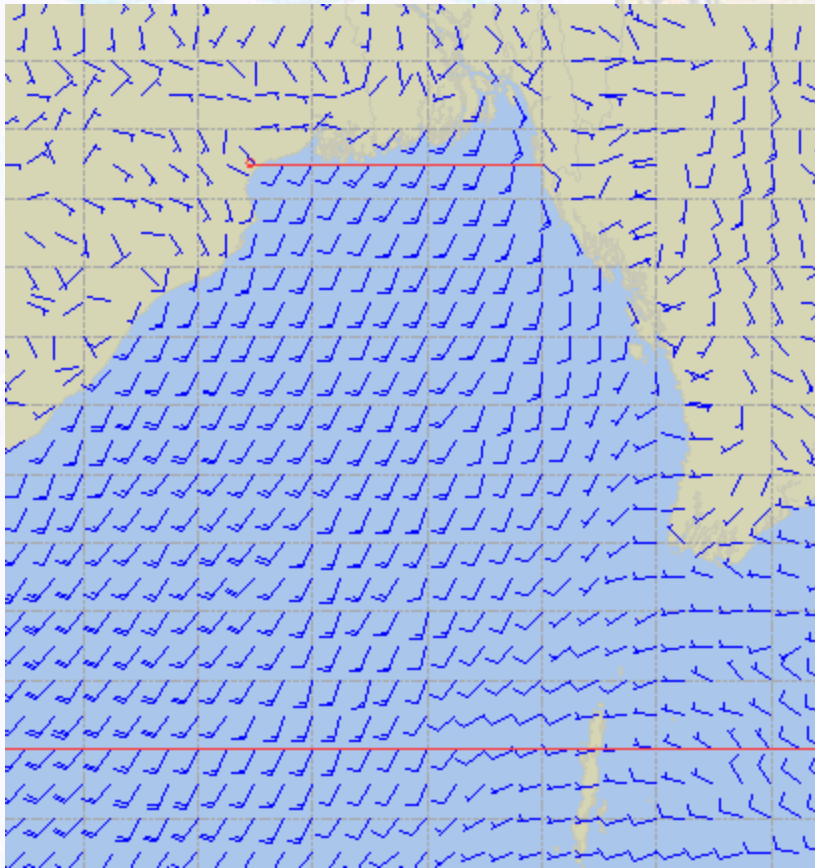
60 Knots



Surface Wind Forecast – 22 & 23 May- 2020

22 May 2020 Friday

23 May 2020 Saturday



Legend:



Calm
Winds



5 Knots



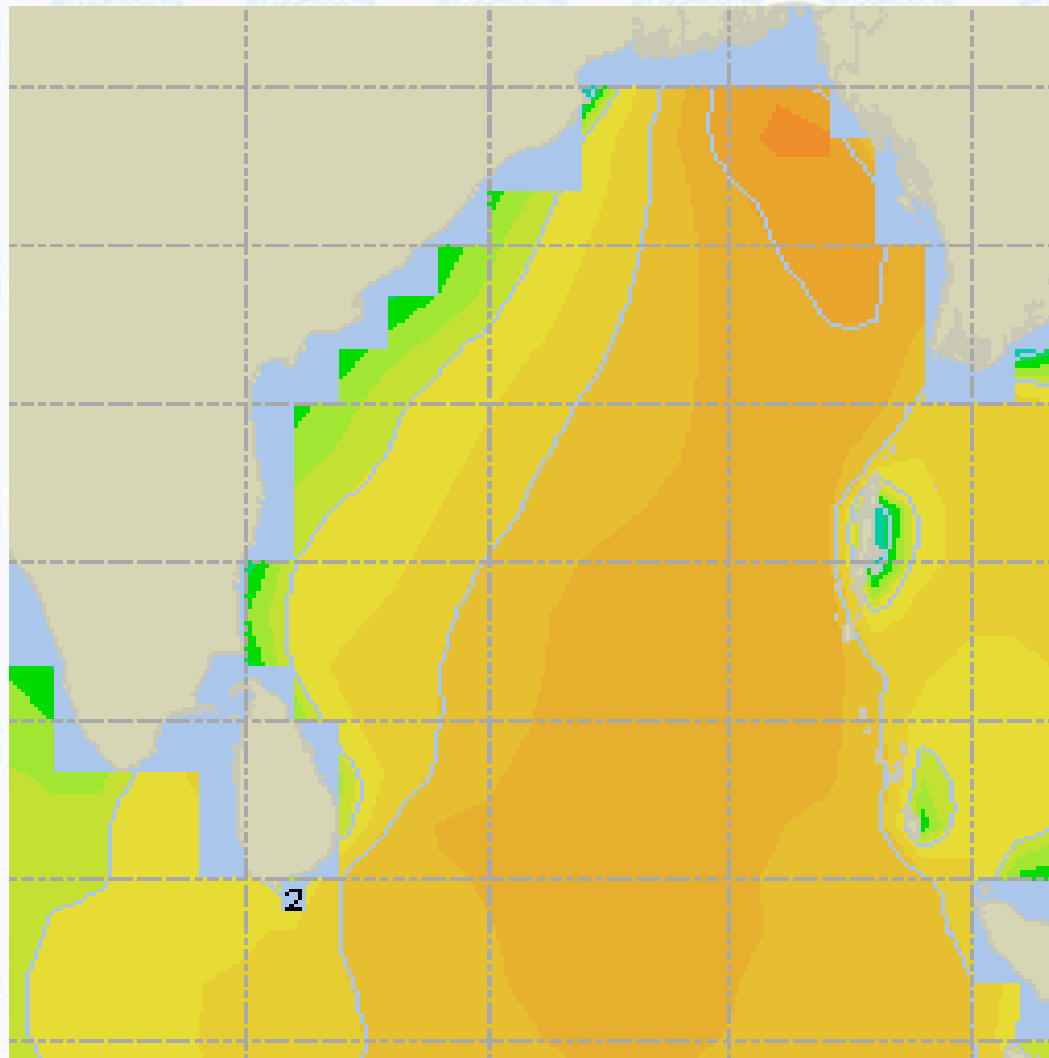
10 Knots



60 Knots



Sea State Forecast – 21 May - 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

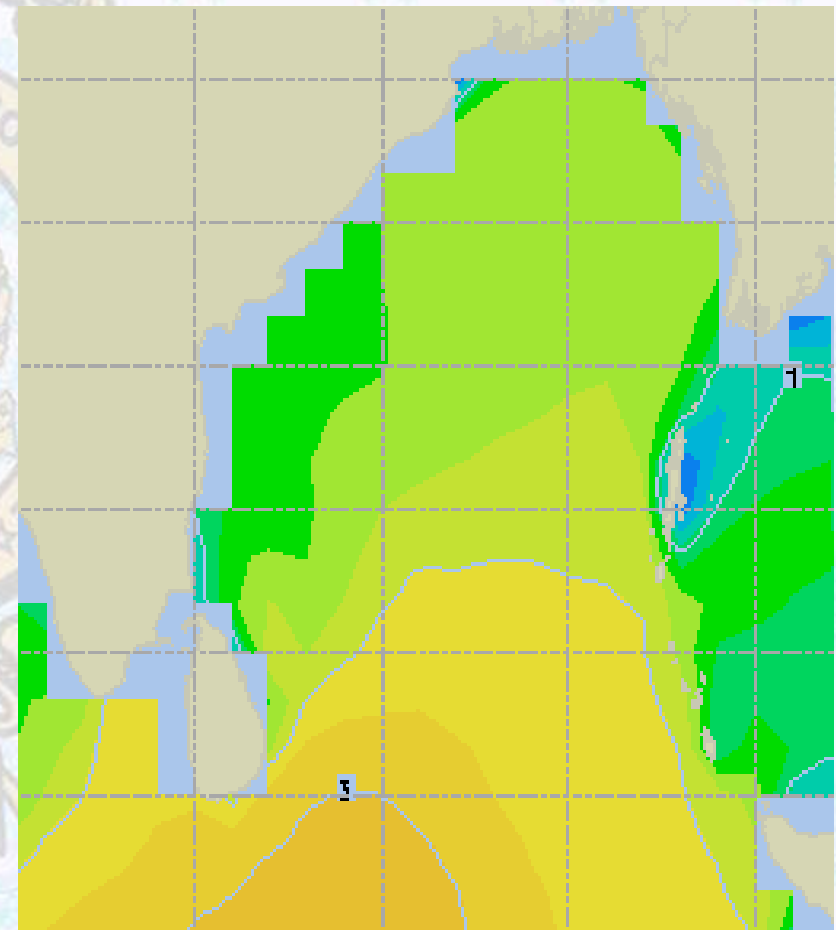
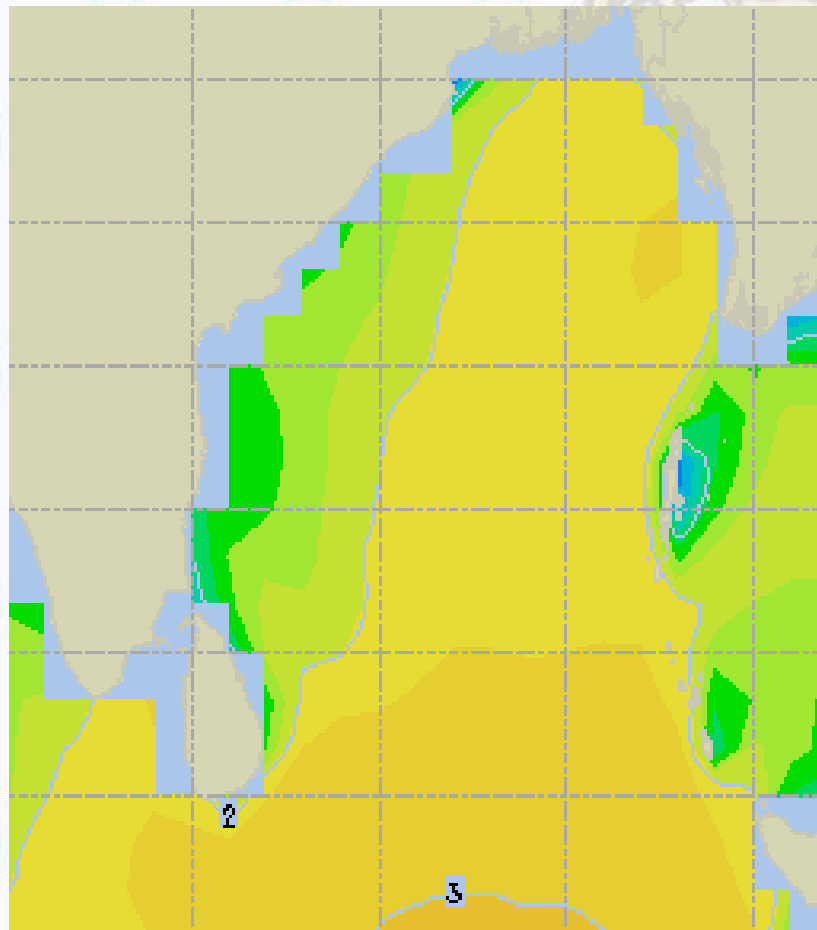




Sea State Forecast– 22 & 23 May- 2020

22 May 2020 Friday

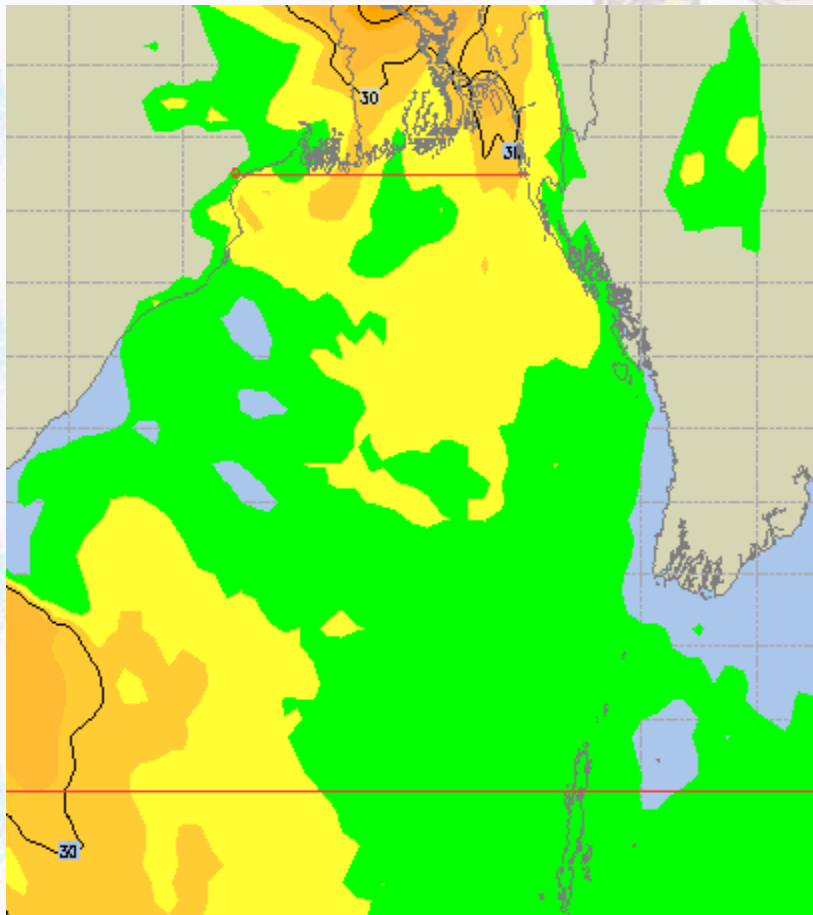
23 May 2020 Saturday



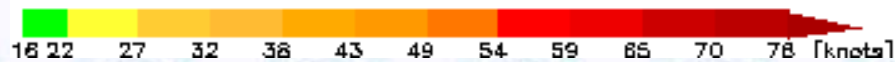
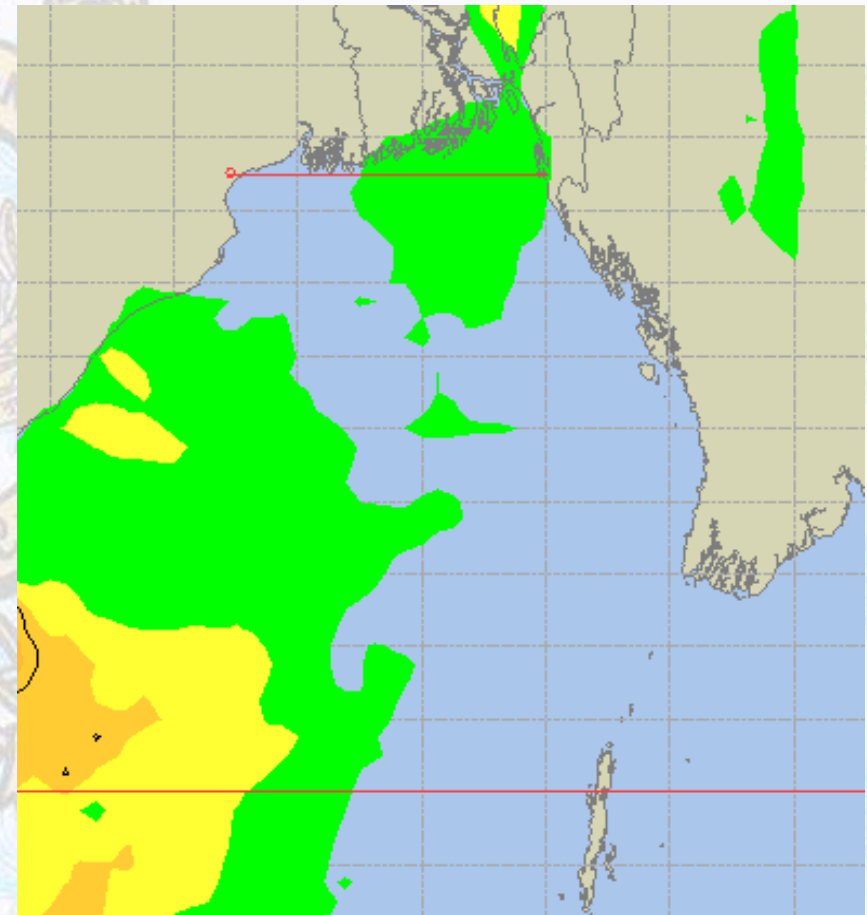


Peak Gusting Possibilities – 21 & 22 May 2020

21 May 2020 Thursday



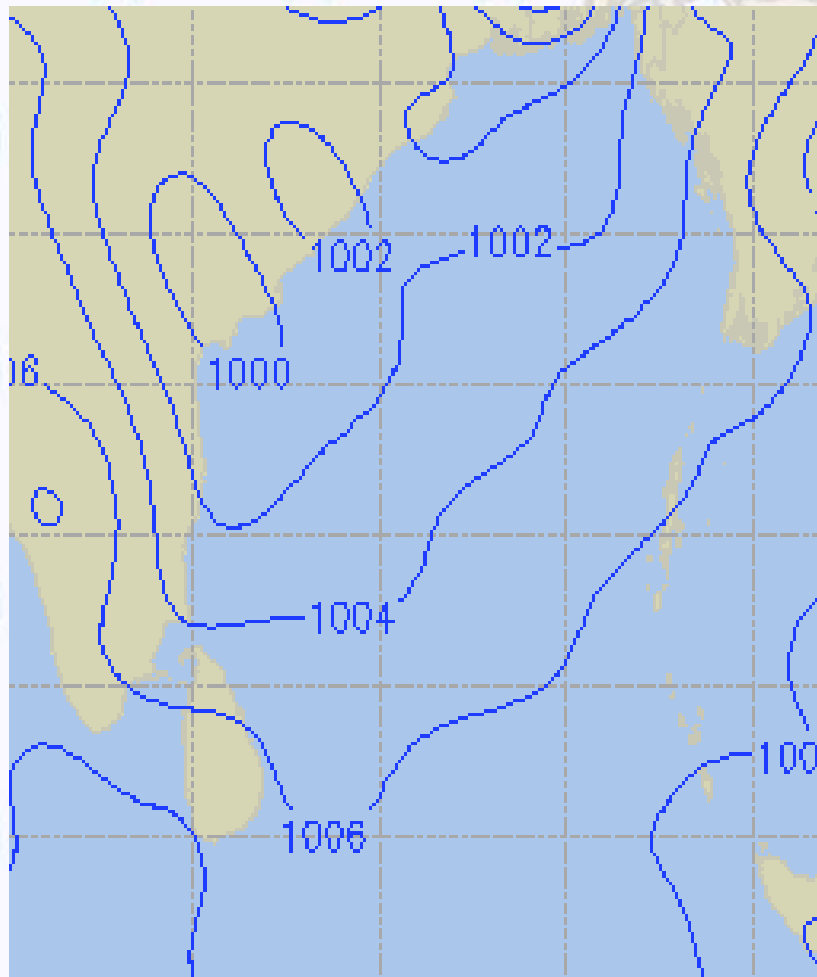
22 May 2020 Friday



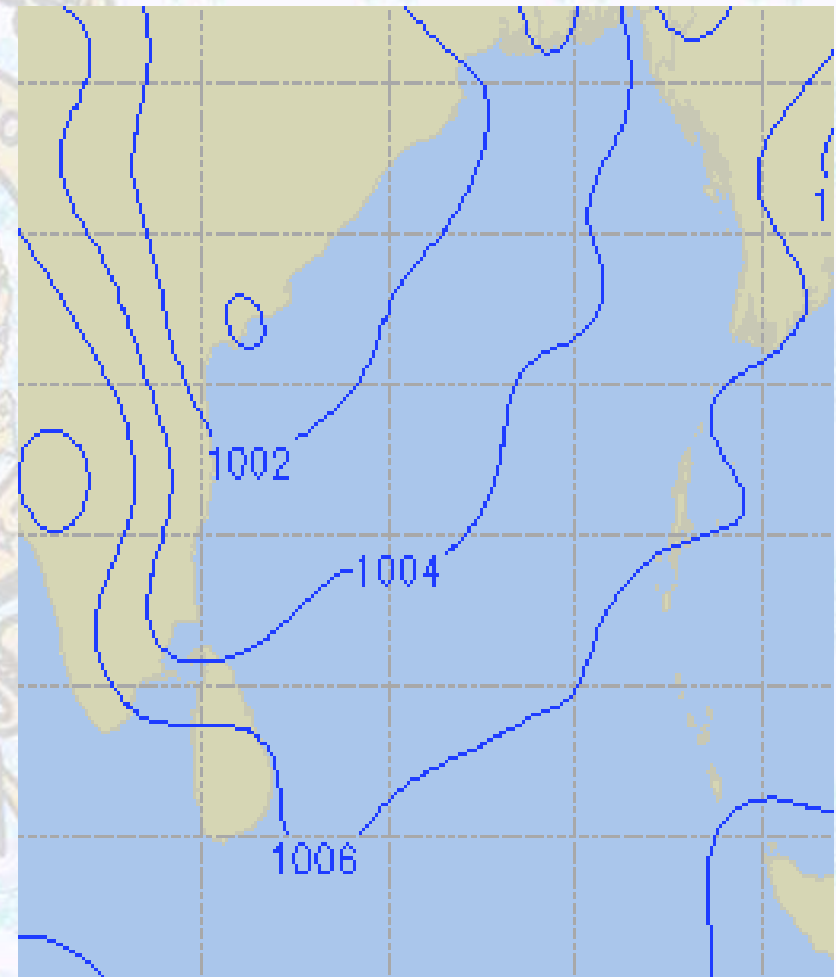


Surface Pressure forecast – 21 & 22 May 2020

21 May 2020 Thursday



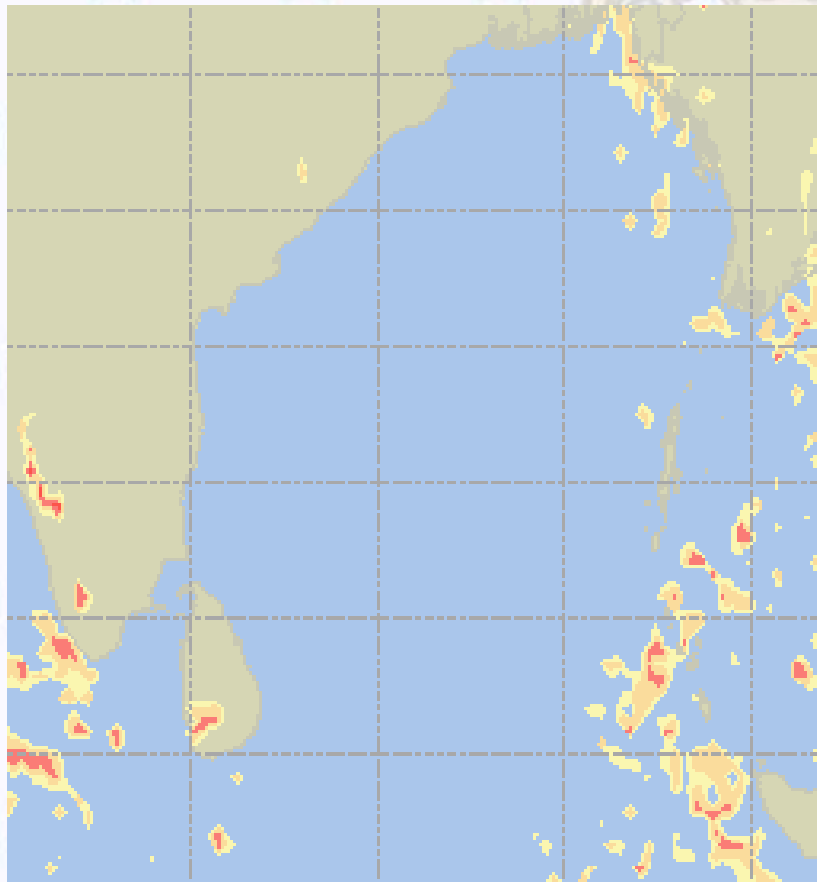
22 May 2020 Friday



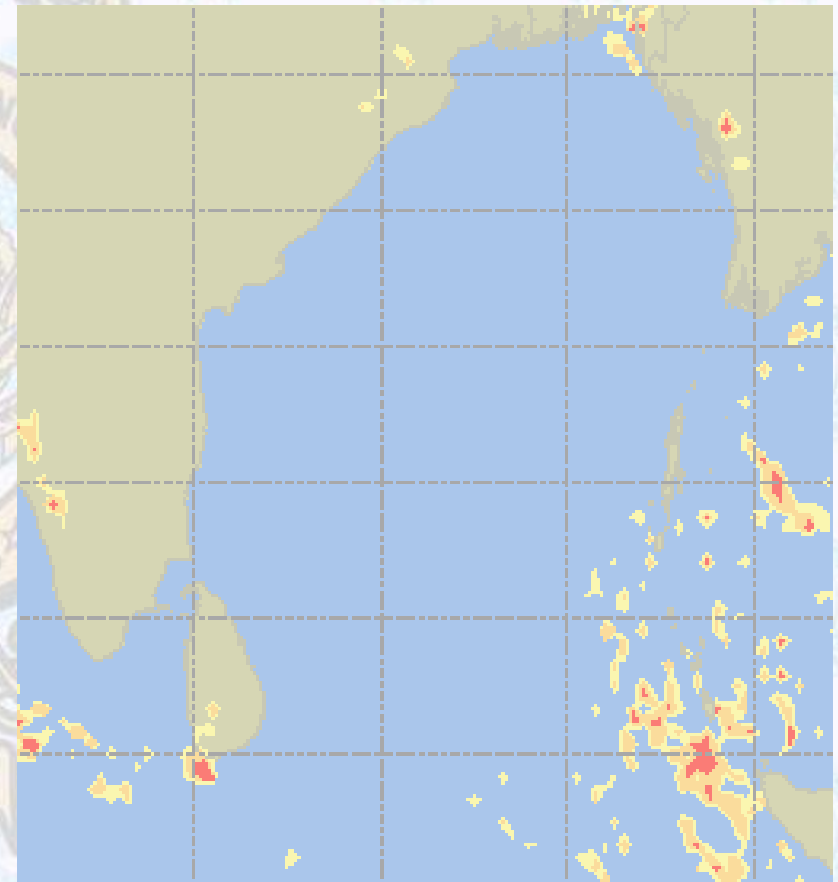


Visibility at Sea Forecast – 21 & 22 May - 2020

21 May 2020 Thursday



22 May 2020 Friday



Visibility Scale:

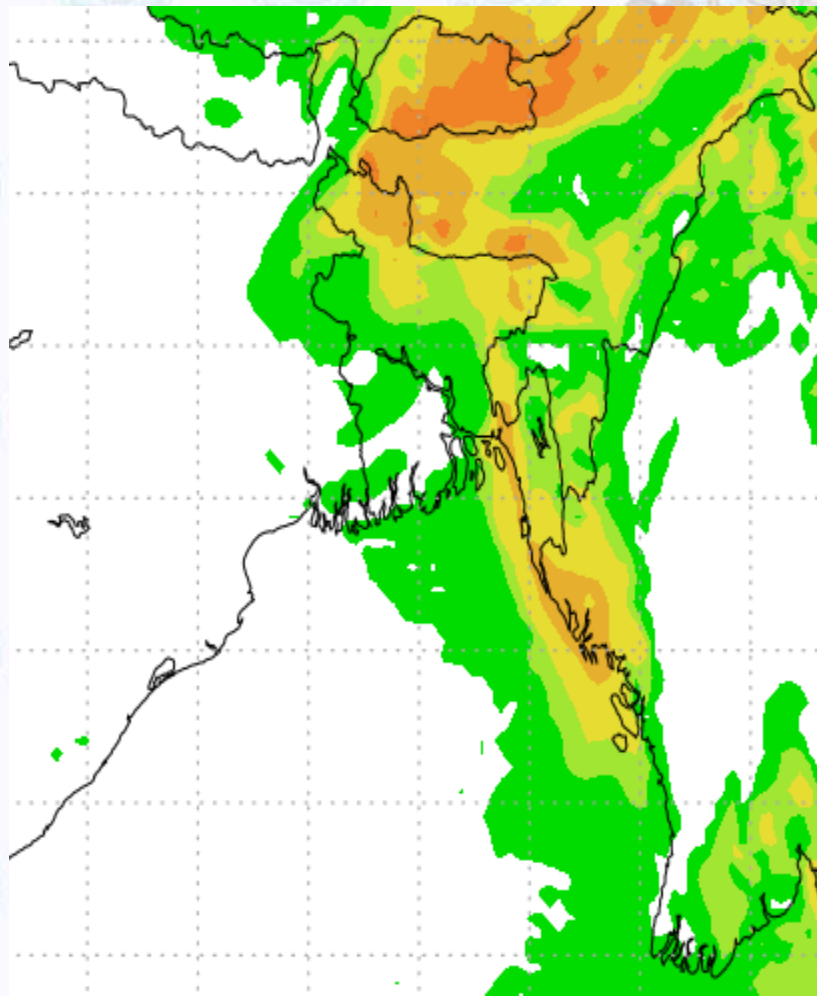


Ref (Slide 12-18): <http://www.weatheronline.co.uk/marine/weather?LEVEL>

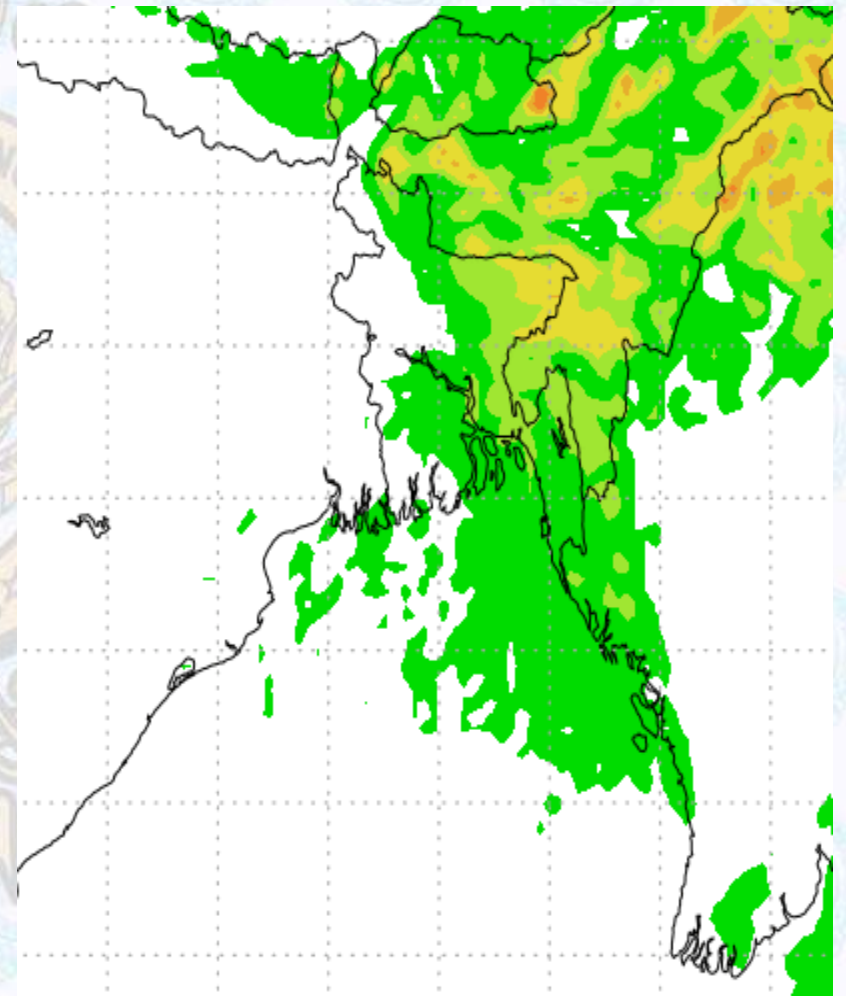


Precipitation

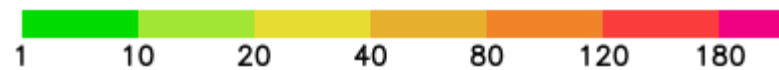
Rain(mm) 21 & 22 May 2020



Rain(mm) 22 & 23 May 2020



Precipitation Scale (mm):





Tidal Information

KHAL NO. 10

COX'S BAZAR

HIRAN POINT

21 May 2020	Time	Height		Time	Height		Time	Height
	0006	4.50		0411	0.83		0341	0.82
	0626	0.79		1000	3.50		0955	3.09
	1223	4.84		1637	0.86		1615	0.95
	1853	0.82		2212	3.25		2205	2.83
22 May 2020	Time	Height		Time	Height		Time	Height
	0037	4.58		0445	0.73		0414	0.75
	0657	0.72		1033	3.61		1024	3.15
	1251	4.91		1710	0.80		1648	0.90
	1924	0.80		2244	3.31		2237	2.86
23 May 2020	Time	Height		Time	Height		Time	Height
	0106	4.61		0519	0.68		0446	0.71
	0727	0.68		1106	3.66		1055	3.18
	1347	4.93		1743	0.77		1721	0.89
	1955	0.82		2316	3.31		2309	2.86