



WEATHER FORECAST FOR BN

19-22 MAY 2020





WEATHER FORECAST – DHAKA

19.05.2020

Hourly	2 PM	4 PM	8 PM	11 PM
Temp. / Dew Point	31 / 25	30 / 25	33 / 25	27 / 25
Wind	10 km/h SE	10 km/h SE	8 km/h E	8 km/h E
Humidity	69%	75%	84%	90%
Chance of Precip	39%	24%	37%	66%
Cloud Cover	92%	95%	95%	95%
Conditions	Partly Cloudy	Partly Cloudy	Partly Cloudy	Partly Cloudy
Sunrise Sunset	5: 16 AM 6: 36 PM			

Conditions

Pressure : 1001 hpa

Visibility : 4.02 km

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



WEATHER FORECAST – CHATTOGRAM

19.05.2020

Hourly	2 PM	4 PM	8 PM	11 PM
Temp. / Dew Point	32 / 26	30 / 27	28 / 27	27 / 27
Wind	7 km/h SSW	8 km/h SE	8 km/h ENE	10 km/h ENE
Humidity	70%	82%	95%	95%
Chance of Precip.	30%	79%	71%	43%
Cloud Cover	79%	90%	94%	94%
Conditions	Partly Cloudy	Partly Cloudy	Partly Cloudy	Partly Cloudy
Sunrise Sunset	5: 12 AM 6: 28 PM			

Conditions

Pressure : 1002 hpa

Visibility : 11.27 Km

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



WEATHER FORECAST – KHULNA

19.05.2020

Hourly	2 PM	4 PM	8 PM	11 PM
Temp. / Dew Point	29 / 27	29 / 27	28 / 25	27 / 25
Wind	13 km/h E	16 km/h E	17 km/h ENE	19 km/h ENE
Humidity	86%	89%	86%	90%
Chance of Precip.	23%	17%	56%	52%
Cloud Cover	94%	95%	95%	95%
Conditions	Partly Cloudy	Partly Cloudy	Partly Cloudy	Partly Cloudy
Sunrise Sunset	5: 22 AM 6: 38 PM			

Conditions

Pressure : 1001 hpa

Visibility : 14.48 Km

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



GENERAL WEATHER FORECAST – DHAKA

Description	20 May 2020	21 May 2020	22 May 2020
Temperature (C)	30 °C/ 25 °C	29 °C/ 26 °C	34 °C/ 26 °C
Summary	Partly Cloudy	Partly Cloudy	Partly Cloudy
Sun Rise/Set	5h13m06s/18h36m12s	5h13m24s/18h37m06s	5h13m00s/18h37m36s
Day Length	13h23m06s	13h23m42s	13h24m36s
Moon Rise/ Set	03:46AM 04:33PM	04:19AM 05:25PM	04:55AM 06:18PM
Moon Phase/ illu	Wanning Crescent 4%	Wanning Crescent 1%	Wanning Crescent 0%
NauticalTwilight	0420,1928	0419,1930	0419,1931
Civil Twilight	0450,1900	0449,1901	0448,1901
Humidity	D : 80% N : 84%	D : 78% N : 87%	D : 72% N : 87%
Barometer (mb)	998	990	1000
Visibility	Good	Good	Good
Precip Chance	90%	60%	20%
Wind (mph)	46 Km/h E	57 Km/h SSW	16 Km/h S

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



GENERAL WEATHER FORECAST– CHATTOGRAM

Description	20 May 2020	21 May 2020	22 May 2020
Temperature (C)	32°C/ 27°C	31°C/ 26°C	32°C/ 26°C
Summary	Partly Cloudy	Partly Cloudy	Partly Cloudy
Sun Rise/Set	5h10m00s/18h27m42s	5h10m24s/18h28m30s	5h10m00s/18h29m00s
Day Length	13h17m42s	13h18m06s	13h19m00s
Moon Rise/ Set	03:46AM 04:33PM	04:14AM 05:17PM	04:51AM 06:10PM
Moon Phase/ illu	Wanning Crescent 4%	Wanning Crescent 1%	New Moon 0%
NauticalTwilight	0417, 1920	0417, 1921	0417, 1922
Civil Twilight	0446, 1850	0446, 1852	0446, 1853
Humidity	D : 79% N : 92%	D : 83% N : 94%	D : 79% N : 94%
Barometer (mb)	999	997	1002
Visibility	Good	Good	Good
Precip Chance	90%	80%	20%
Wind (mph)	43 Km/h ESE	32 Km/h SSW	16 Km/h S

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



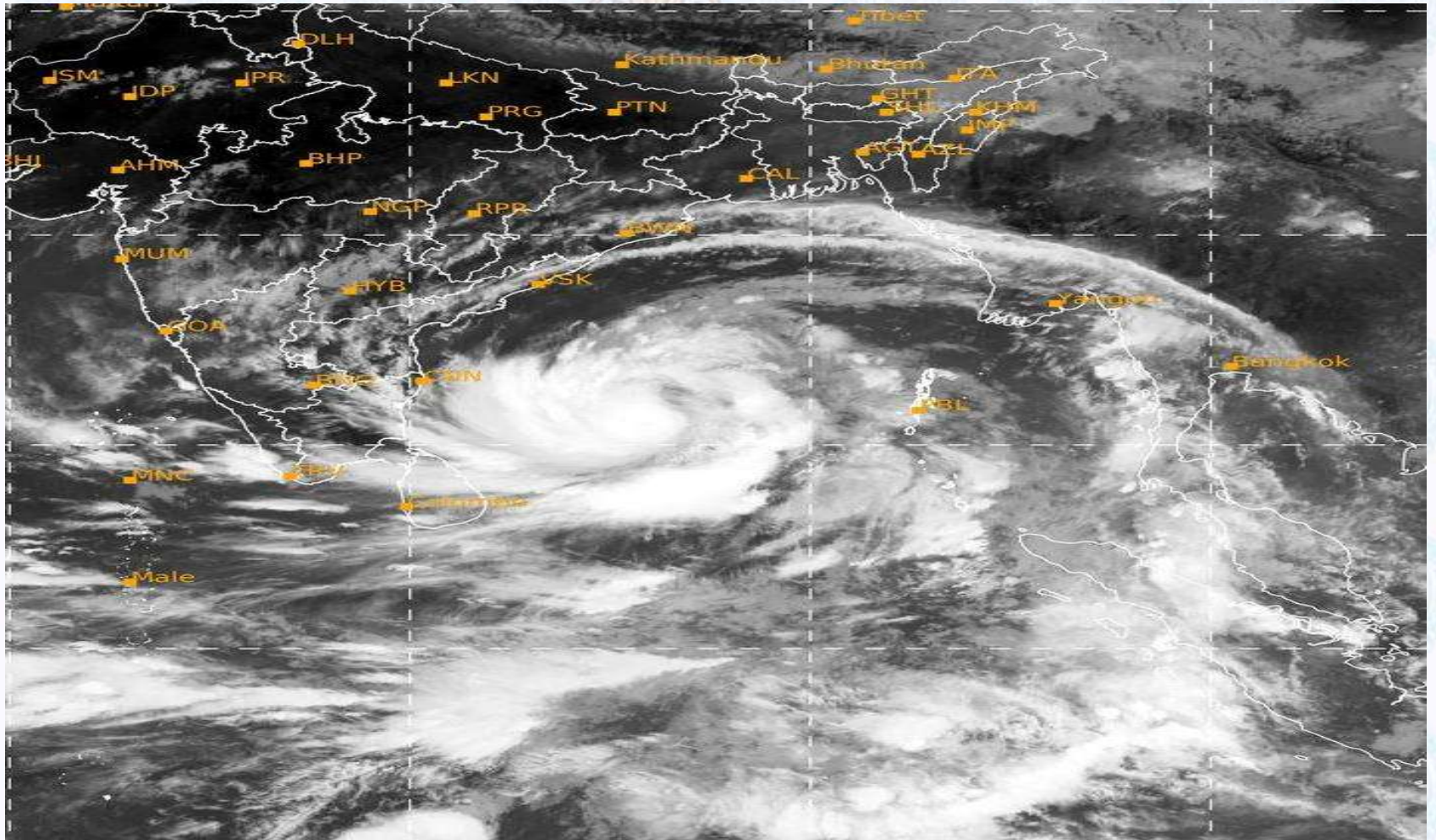
GENERAL WEATHER FORECAST – KHULNA

Description	20 May 2020	21 May 2020	22 May 2020
Temperature(C)	27°C/ 24°C	32°C/ 26°C	34°C/ 26°C
Summary	Partly cloudy	Partly cloudy	Partly cloudy
Sun Rise/Set	5h18m12s/18h37m48s	5h18m36s/18h38m42s	5h18m12s/18h39m12s
Day Length	13h19m36s	13h20m06s	13h21m00s
Moon Rise/Set	03:46AM 04:33PM	04:24AM 05:28PM	05:01AM 06:20PM
Moon Phase/illu	Wanning Crescent 4%	Wanning Crescent 1%	New Moon 0%
Nautical Twilight	0425, 1930	0425, 1931	0424, 1932
Civil Twilight	0455, 1900	0454, 1902	0454, 1903
Humidity	D : 95% N : 89%	D : 79% N : 92%	D : 77% N : 93%
Barometer (mb)	999	990	1001
Visibility	Good	Good	Good
Precip Chance	95%	20%	10%
Wind (mph)	70 km/h E	26 km/h SW	18 km/h S

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



SATELLITE VIEW OF BAY OF BENGAL

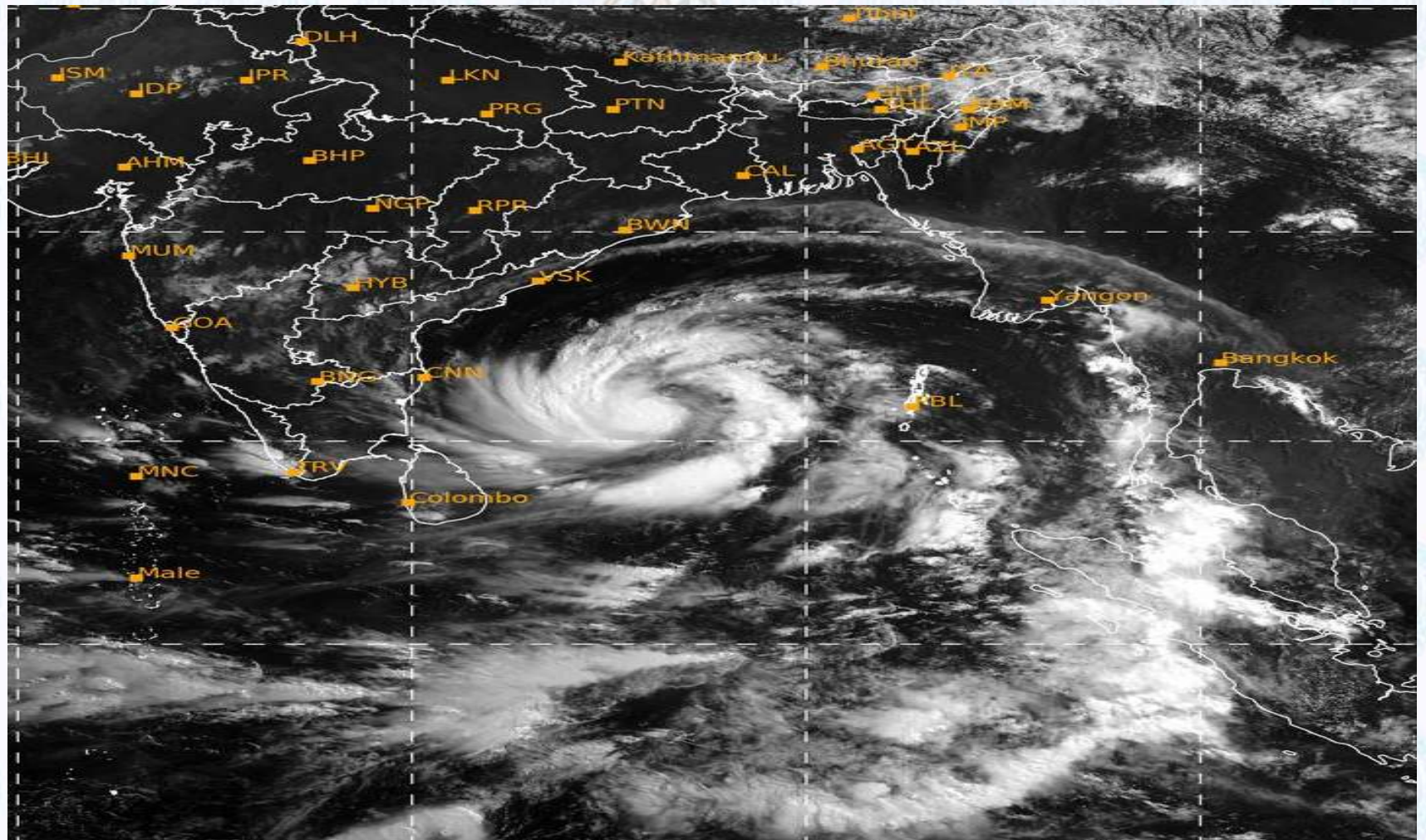


19/05/2020, 12:00 UTC MATSAT-IR

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



SATELLITE VIEW OF BAY OF BENGAL



19/05/2020, 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 19.05.2020)

Part One	WARNING BAY OF BENGAL.	
Part Two	THE SUPER CYCLONIC “ AMPHAN ” (ECP:926HPA) OVER WEST CENTRAL BAY AND ADJOINING AREA MOVED NORTH EASTWARDS AND NOW LIES OVER SAME AREA AND WAS CENTRED AT 19, 0300 UTC WITH HALF A DEGREE OF NEAR LAT 16.5°N AND LONG 86.8°E (R) LAT 16.5°N AND LONG 86.8°E. IT IS LIKELY TO MOVE IN A NORTH-NORTHEASTERLY DIRECTION AND MAY CROSS BANGLADESH COAST BETWEEN KHULNA-CHATTOGRAM DURING LATE NIGHT 19 MAY 2020 TO AFTERNOON/EVENING 20 MAY 2020.	
Part Three	Weather	RAIN/THUNDER SHOWERS OVER AREA C-90.
	Wind	SOUTH/SOUTH-EASTERLY , 30-40 KTS, TEMPORARY GUSTING TO 60-80 KTS.
	Visibility	03-05 KMS REDUCING TO 1000 M OR LESS IN RAIN/SHOWERS.
	Outlook	FOR SUBSEQUENT 12 HOURS: LITTLE CHANGE.
	MSL Pressure	AT =19,0000 UTC. CHATTOGRAM =1002 HPA



Inland River Port Warning **(VALID TILL 07 PM OF 19.05.2020)**

IN ASSOCIATION WITH RAIN/THUNDER SHOWERS TEMPORARY **SOUTH/SOUTH EASTERLY**, GUSTY/SQUALLY WIND SPEED **45-60** KPH IS LIKELY TO OCCUR OVER THE REGIONS OF RANGPUR, RAJSHAHI, PABNA, BOGURA, TANGAIL, MYMENSINGH, SYLHET, DHAKA, FARIDPUR, JASHORE, KUSHTIA, KHULNA, BARISHAL, PATUAKHALI, NOAKHALI, CUMILLA, CHATTOGRAM AND COX'S BAZAR WHEREIN RIVERPORTS SHALL HOIST CAUTIONARY SIGNAL NO. **ONE (R) ONE**.

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



SPECIAL WEATHER BULLETIN, SL NO: 24 (TWENTY FOUR)

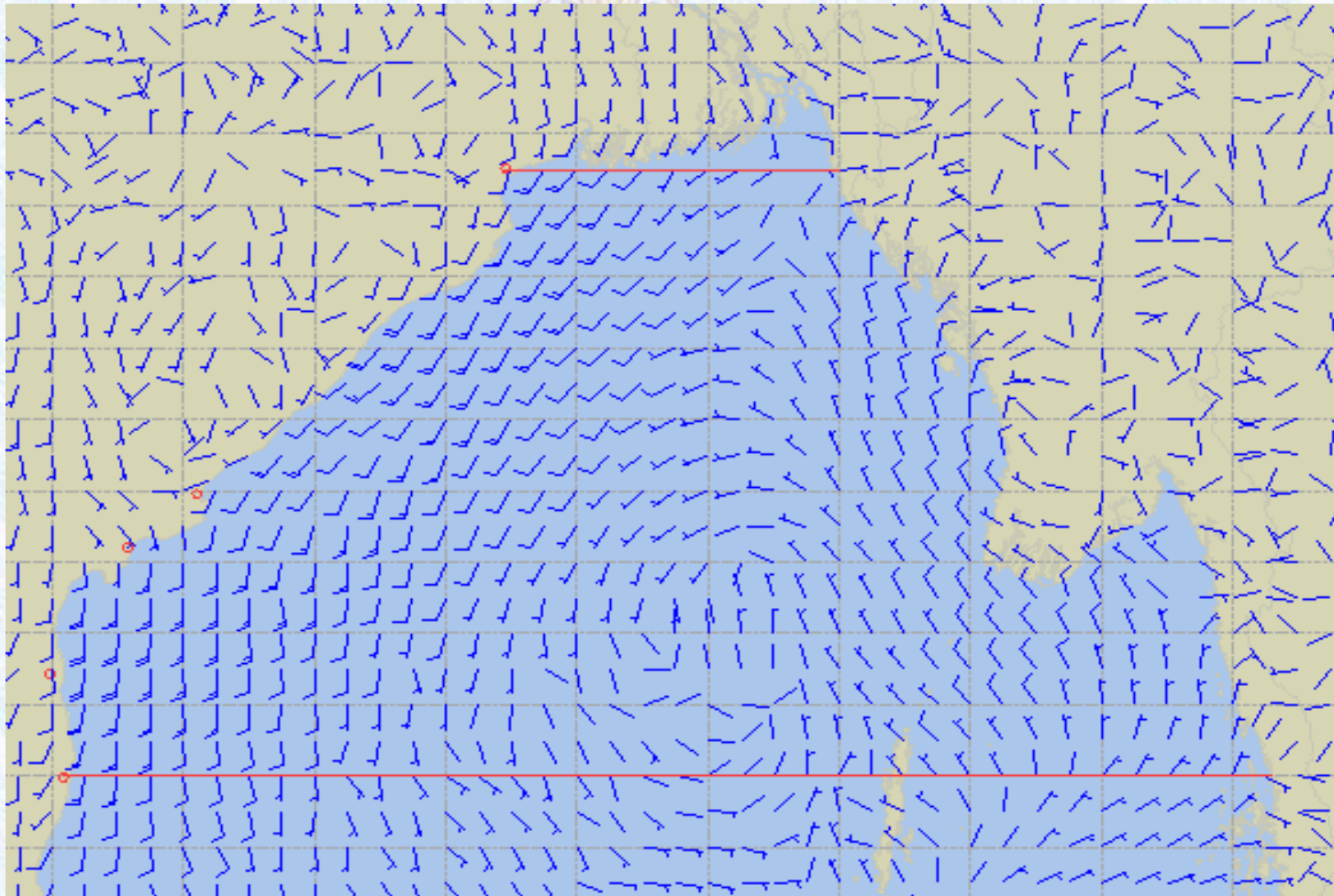
DATE: 19.05.2020

THE SUPER CYCLONE 'AMPHAN' (PRONUNCIATION: UM-PUN) (ECP: 926 HPA) OVER WEST CENTRAL BAY AND ADJOINING AREA MOVED NORTH- NORTHEASTWARDS AND NOW LIES OVER THE SAME AREA (LAT. 16.5° N, LONG. 86.8° E) AND WAS CENTRED AT 09 AM TODAY (19 MAY, 2020) ABOUT 845 KM SOUTHWEST OF CHATTOGRAM PORT, 795 KM SOUTHWEST OF COX'S BAZAR PORT, 730 KM SOUTH-SOUTHWEST OF MONGLA PORT AND 725 KM SOUTH-SOUTHWEST OF PAYRA PORT. IT IS LIKELY TO MOVE IN A NORTH-NORTHEASTERLY DIRECTION AND MAY CROSS BANGLADESH COAST BETWEEN KHULNA-CHATTOGRAM DURING LATE NIGHT 19 MAY 2020 TO AFTERNOON / EVENING 20 MAY 2020. MAXIMUM SUSTAINED WIND SPEED WITHIN 90 KMS OF THE CYCLONE CENTRE IS ABOUT 225 KPH RISING TO 245 KPH IN GUSTS/ SQUALLS. SEA WILL REMAIN VERY HIGH NEAR THE SUPER CYCLONE CENTRE. MARITIME PORTS OF MONGLA AND PAYRA HAVE BEEN ADVISED TO KEEP HOISTED DANGER SIGNAL NUMBER SEVEN (R) SEVEN. COASTAL DISTRICTS OF SATKHIRA, KHULNA, BAGHERHAT, JHALOKATHI, PIROZPUR, BORGUNA, PATUAKHALI, BHOLA, BARISHAL, LAXMIPUR, CHANDPUR AND THEIR OFFSHORE ISLANDS AND CHARS WILL COME UNDER DANGER SIGNAL NUMBER SEVEN (R) SEVEN. MARITIME PORTS OF CHATTOGRAM AND COX'S BAZAR HAVE BEEN ADVISED TO KEEP HOISTED DANGER SIGNAL NUMBER SIX (R) SIX. COASTAL DISTRICTS OF NOAKHALI, FENI, CHATTOGRAM AND COX'S BAZAR THEIR OFFSHORE ISLANDS AND CHARS WILL COME UNDER DANGER SIGNAL NUMBER SIX (R) SIX. UNDER THE INFLUENCE OF THE VERY SEVERE CYCLONIC STORM "AMPHAN" AND THE NEW MOON PHASE, 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 5-10 FEET HEIGHT ABOVE NORMAL ASTRONOMICAL TIDE. 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 STORM. 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- 20 May - 2020



Legend:



**Calm
Winds**



5 Knots



10 Knots



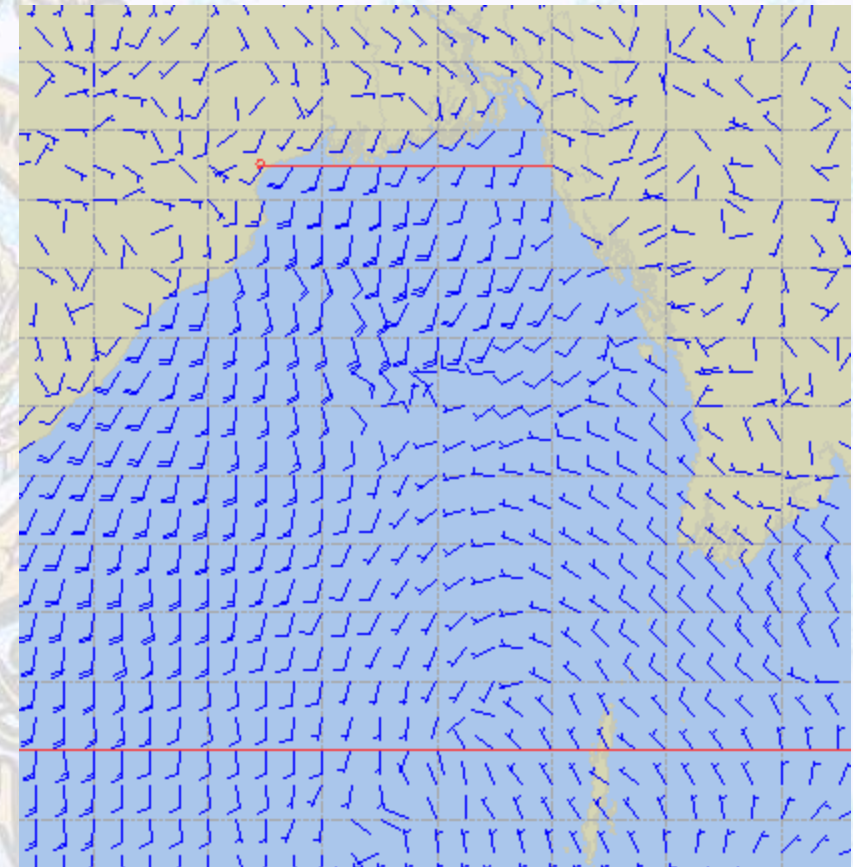
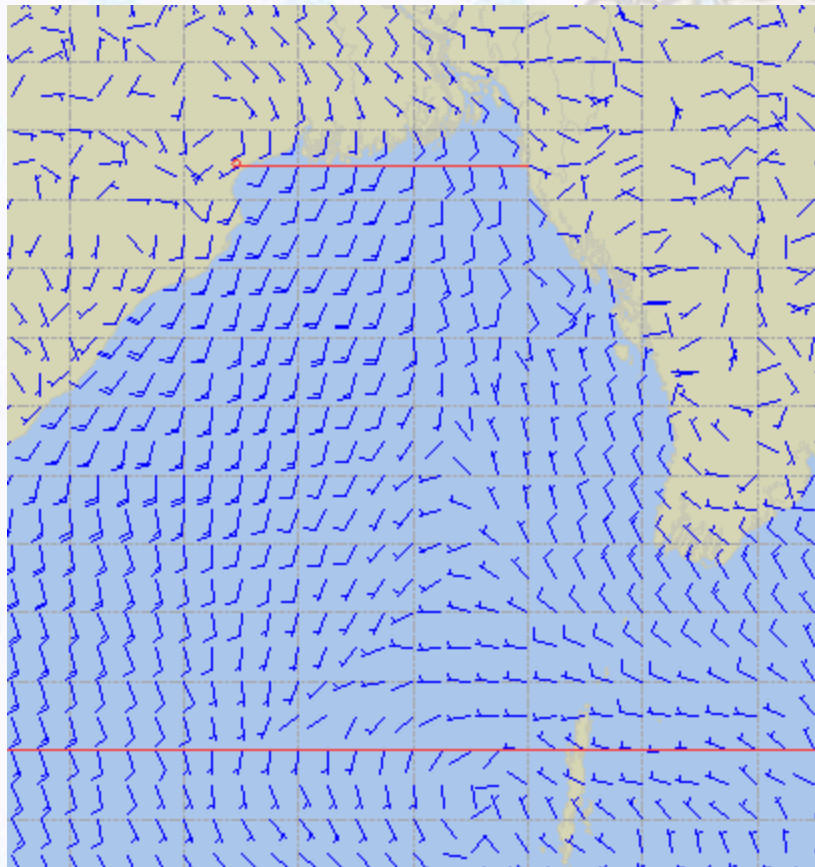
60 Knots



Surface Wind Forecast – 21 & 22 May- 2020

21 May 2020 Thursday

22 May 2020 Friday



Legend:



Calm
Winds



5 Knots



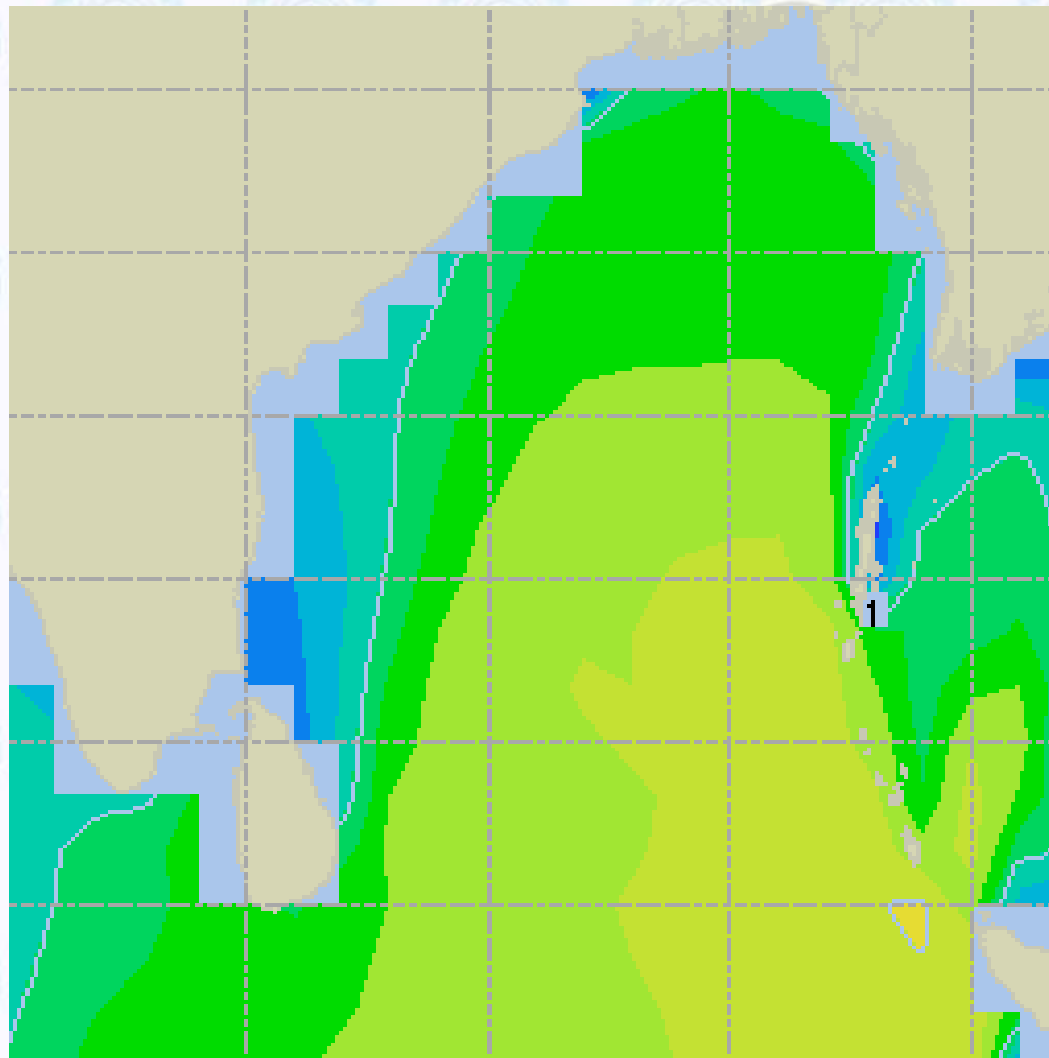
10 Knots



60 Knots



Sea State Forecast – 20 May - 2020



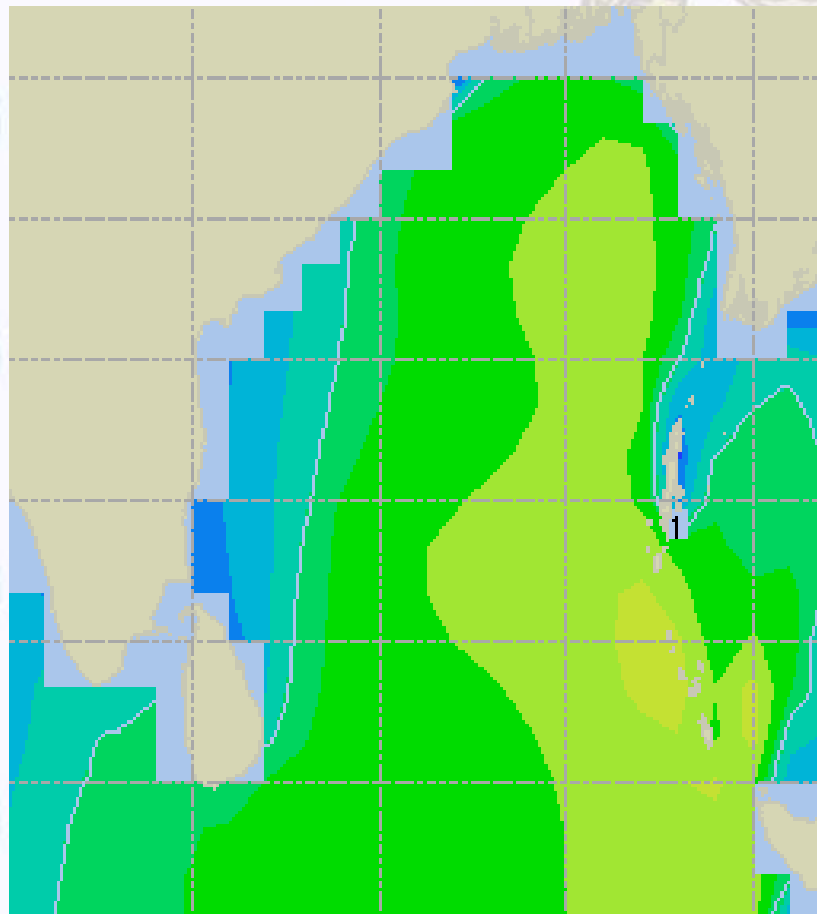
Sea State	Ht (m)
0	0-0.1
1	0-0.1
2	0.1-0.5
3	0.5-1.25
4	1.25-2.5
5	2.5-4.0
6	4-6
7	6-9
8	9-14
9	Over 14



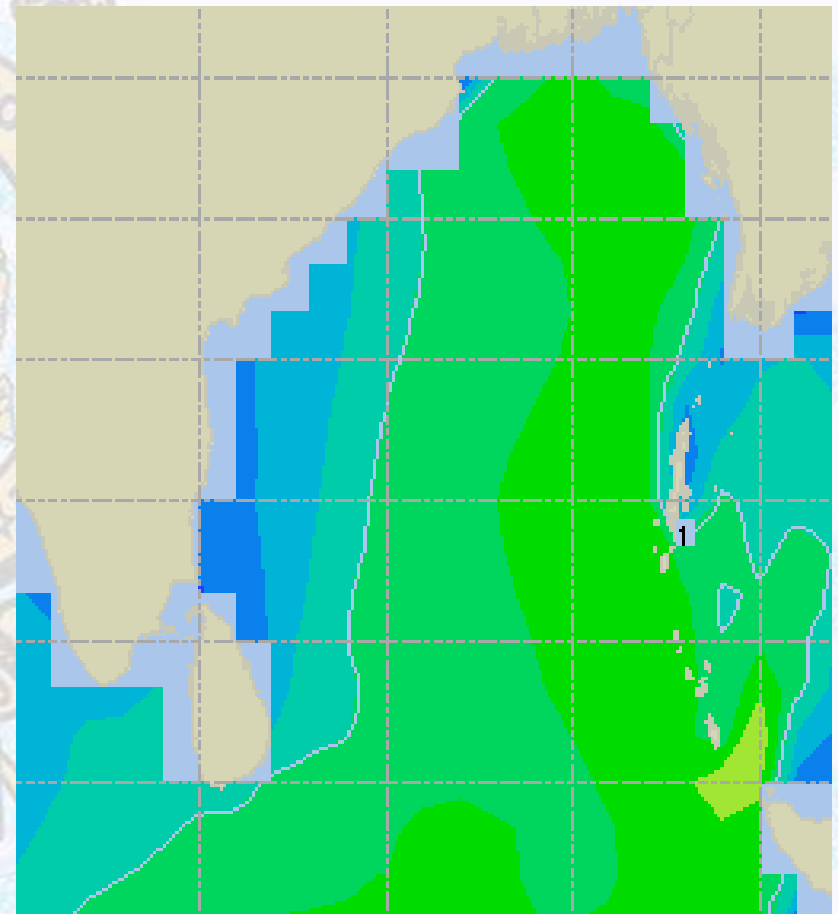


Sea State Forecast– 21 & 22 May- 2020

21 May 2020 Thursday



22 May 2020 Friday

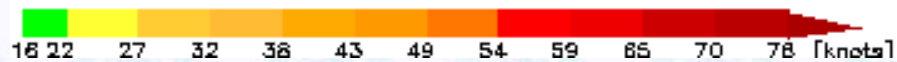
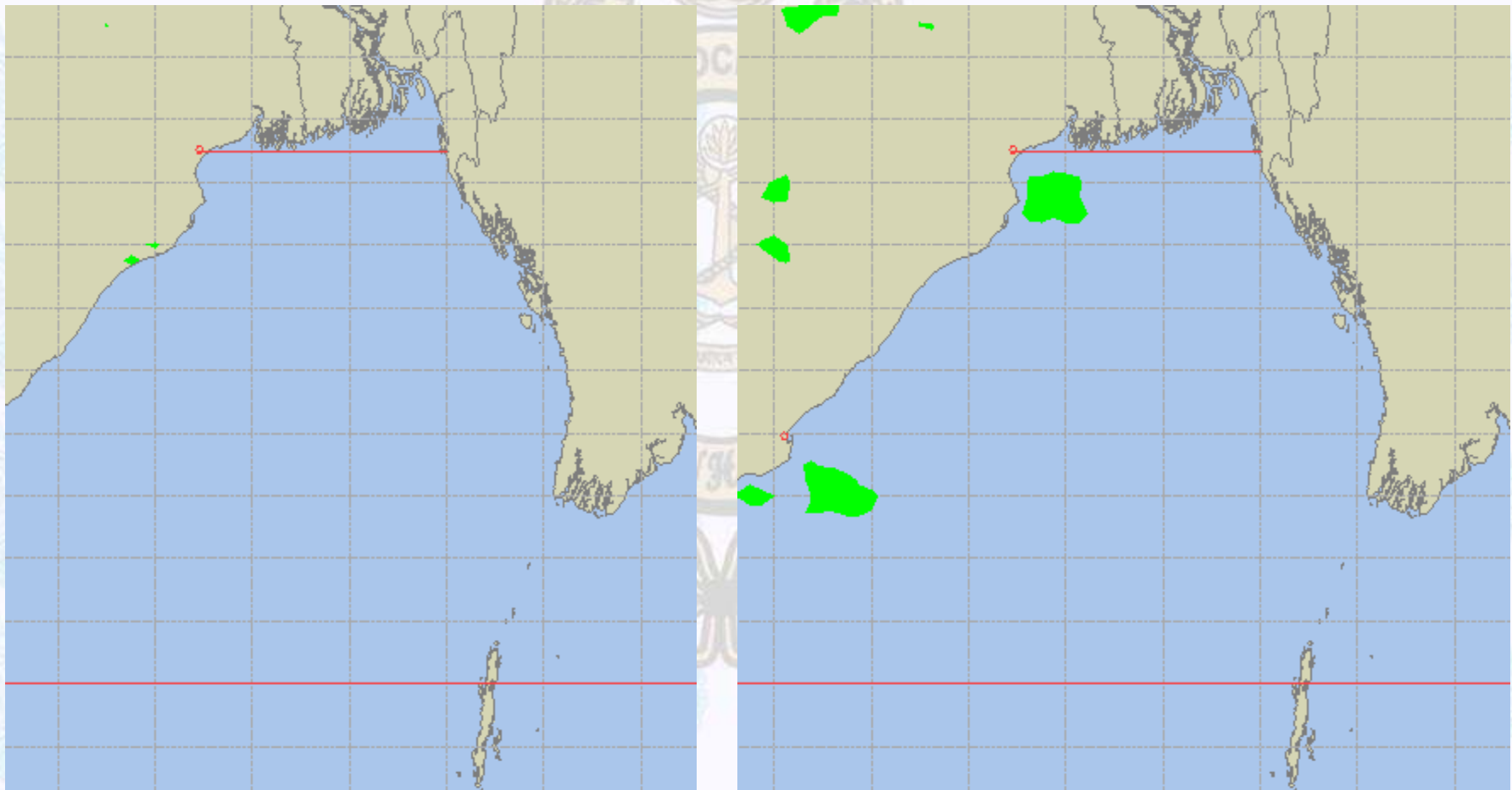




Peak Gusting Possibilities – 19 & 20 May 2020

20 May 2020 Wednesday

21 May 2020 Thursday

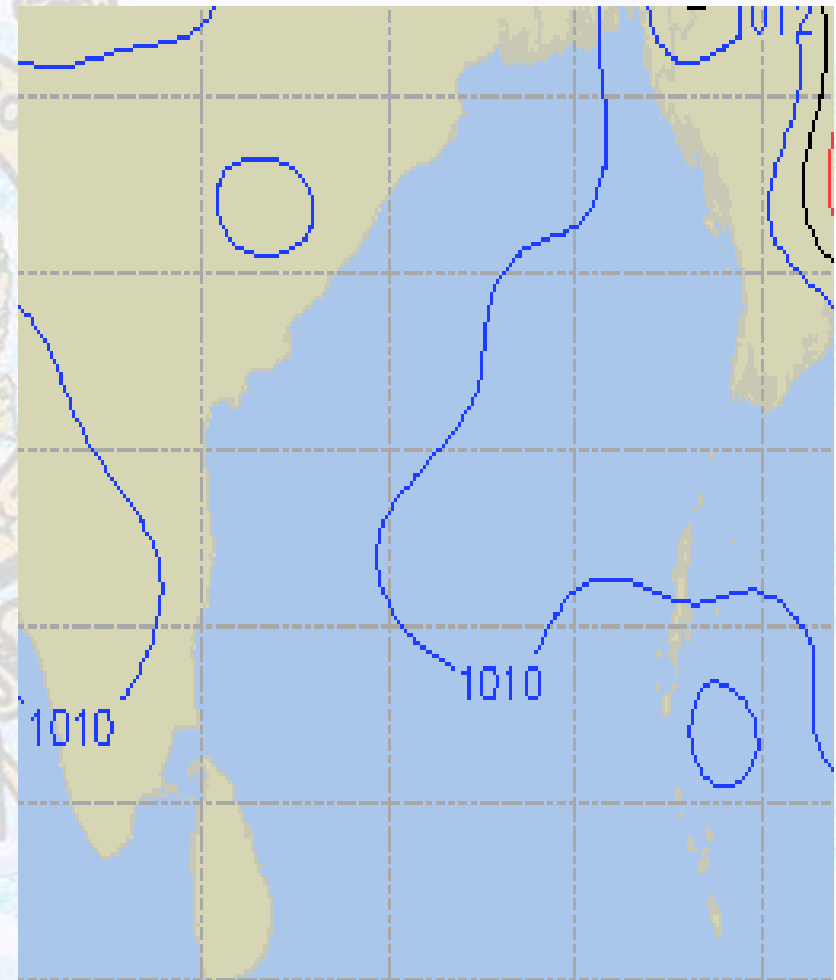
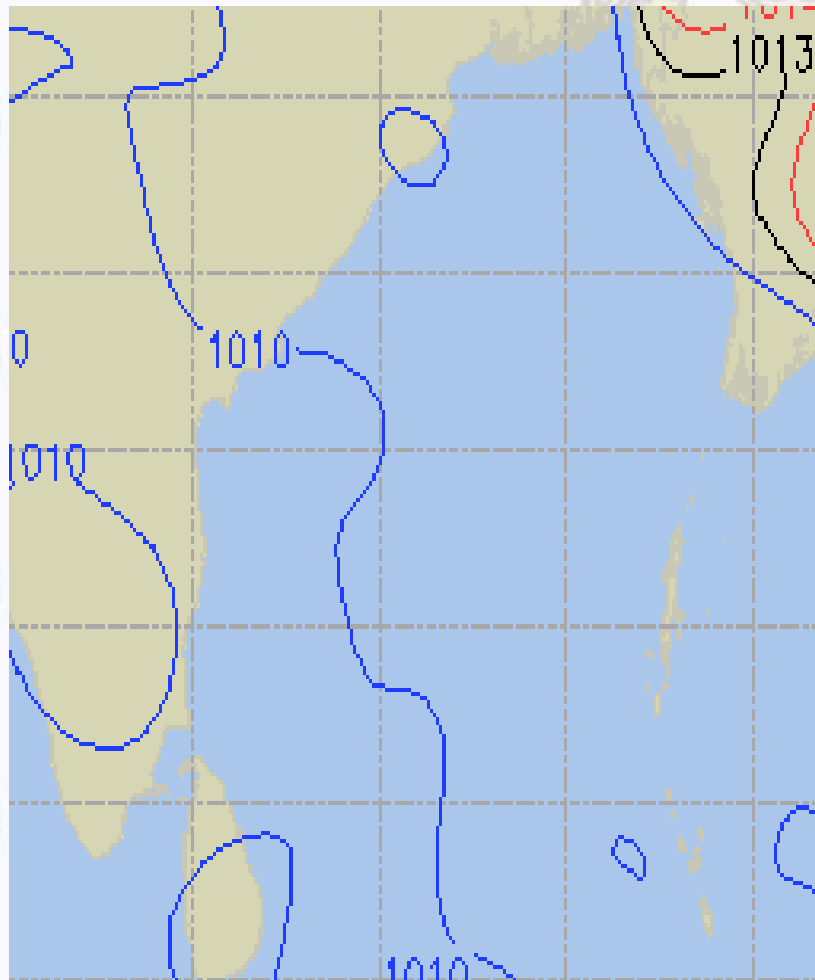




Surface Pressure forecast – 20 & 21 May 2020

20 May 2020 Wednesday

21 May 2020 Thursday

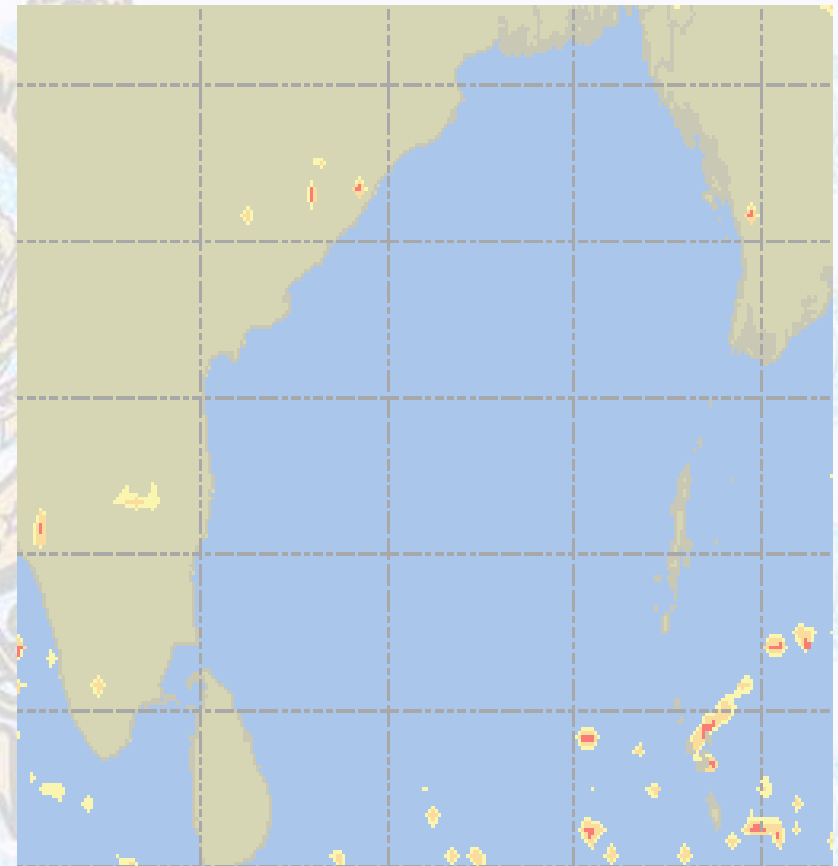
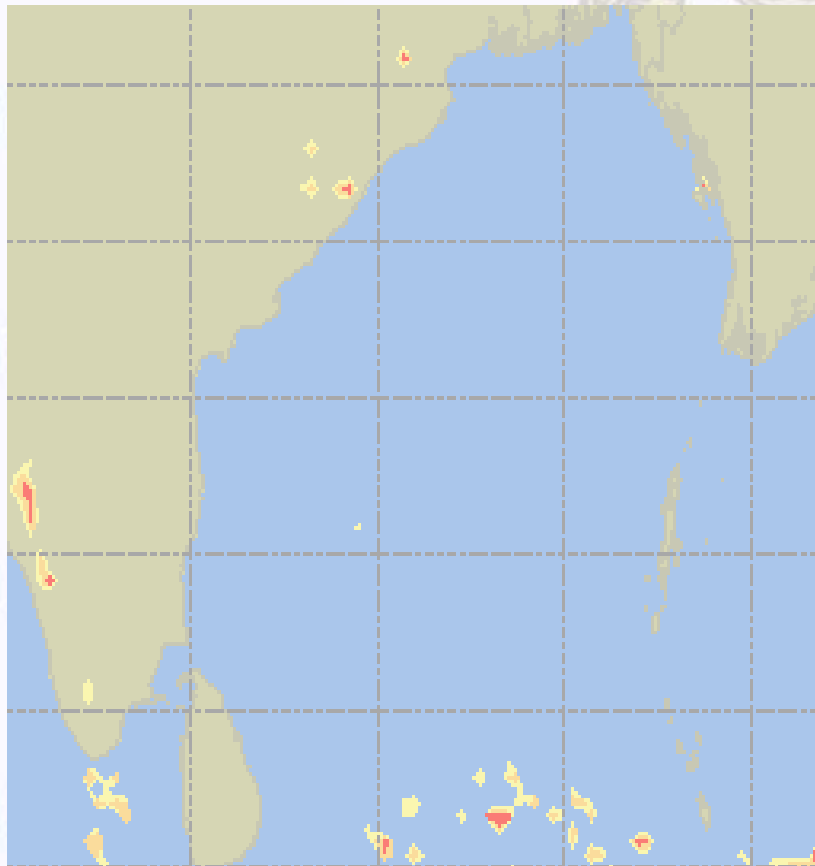




Visibility at Sea Forecast – 20 & 21 May - 2020

20 May 2020 Wednesday

21 May 2020 Thursday



Visibility Scale:



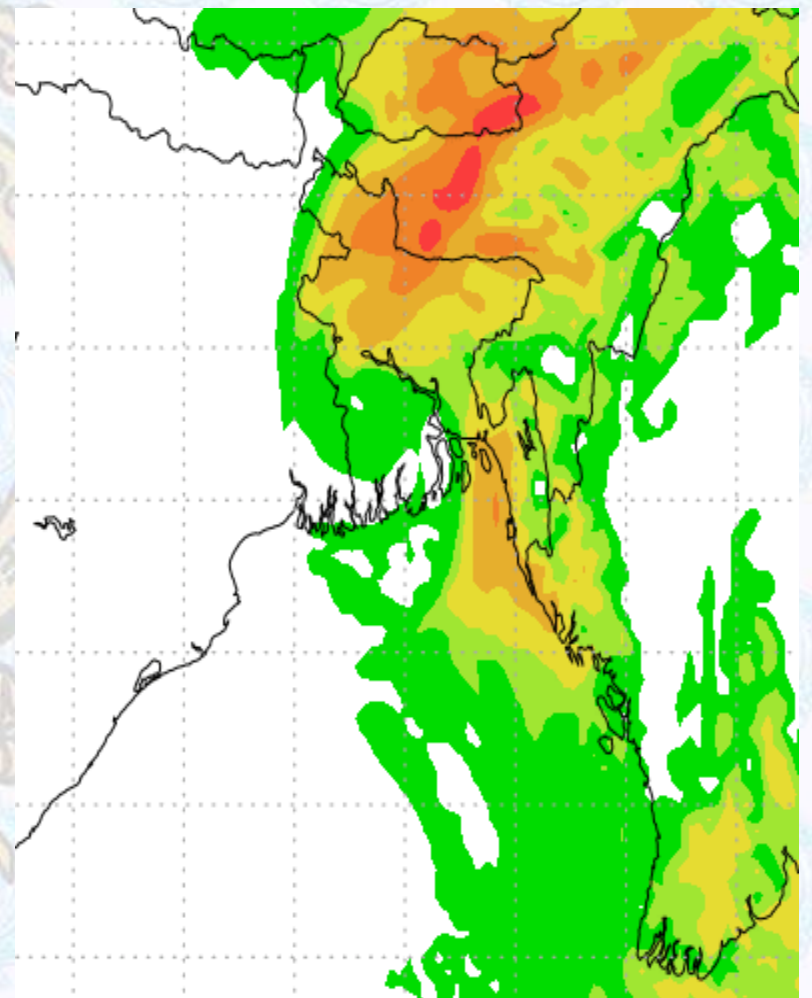
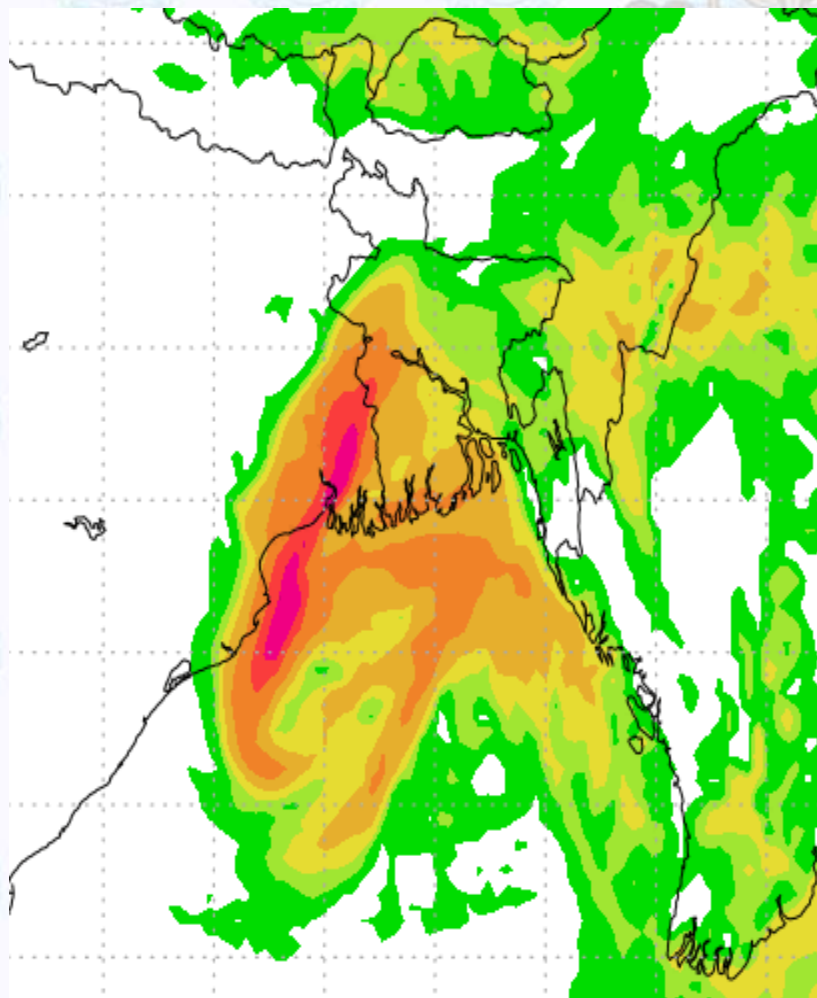
Ref (Slide 12-18): <http://www.weatheronline.co.uk/marine/weather?LEVEL>



Precipitation

Rain(mm) 20 & 21 May 2020

Rain(mm) 21 & 22 May 2020



Precipitation Scale (mm):





Tidal Information

KHAL NO. 10

COX'S BAZAR

HIRAN POINT

20 May 2020	Time	Height		Time	Height		Time	Height
	0553	0.89		0334	0.95		0307	0.92
	1155	4.72		0926	3.32		0924	2.99
	1820	0.90		1601	0.96		1540	1.04
	-	-		2139	3.15		2131	2.78
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