

National Weather Forecasting Centre India Meteorological Department Ministry of Earth Sciences

Saturday 07 August 2021 <u>MID-DAY</u> Time of Issue: 1300 hours IST

ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

Significant Weather Features

- The Low Pressure Area lies over northern parts of East Madhya Pradesh & neighbourhood with associated cyclonic circulation extending upto 4.5 km above mean sea level. The Monsoon trough at mean sea level now passes through Bikaner, Jaipur, centre of Low Pressure Area over northern parts of East Madhya Pradesh & neighbourhood, Daltonganj, Digha and thence east-southeastwards to northeast Bay of Bengal. The Low Pressure Area is likely to become less marked during next 24 hours leading to northward shifting of the West end of the Monsoon trough and hence increase in rainfall activity over Uttarakhand, northern parts of Uttar Pradesh and eastern parts of the country from 10th August.
- ♦Under the influence of the above system:
- Fairly widespread/widespread rainfall very likely over West Madhya Pradesh and East Rajasthan during next 2 days and reduction in rainfall intensity and spread thereafter. Isolated heavy to very heavy falls very likely on 7th August and isolated heavy rainfall on 8th August over West Madhya Pradesh and East Rajasthan.
- Fairly widespread/widespread rainfall over Uttarakhand, Himachal Pradesh, northern parts of Uttar Pradesh, Bihar, Jharkhand, West Bengal & Sikkim from 10th August. Isolated heavy to very rainfall is likely over East Uttar Pradesh, Sub-Himalayan West Bengal & Sikkim on 10th & 11th August and over Uttarakhand on 11th August.
- Fairly widespread/widespread rainfall with isolated heavy to very heavy falls very likely to continue over northeastern states till 11th August.
- Reduced rainfall activity likely to continue over Maharashtra and Gujarat state during next 5 days. Rainfall activity is likely to increase over Peninsular India from 10th August with isolated heavy to very heavy rainfall likely over Kerala and Tamil Nadu on 11th August.

Main Weather Observations

- ♦ Rain/Thundershowers observed (from 0830 hours IST of yesterday 0830 hours IST of today): at most places over Andaman & Nicobar Islands, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Sub-Himalayan West Bengal & Sikkim, Kerala & Mahe and Lakshadweep; at many places over Gangetic West Bengal, Jharkhand, Uttarakhand, East Rajasthan, West Madhya Pradesh, Vidarbha and South Interior Karnataka; at a few places over Arunachal Pradesh, Bihar, East Uttar Pradesh, Himachal Pradesh, East Madhya Pradesh, Madhya Maharashtra, Chhattisgarh, Tamilnadu, Puducherry & Karaikal and North Interior Karnataka and at isolated places over Odisha, West Uttar Pradesh, Haryana, Chandigarh & Delhi, Punjab, Jammu & Kashmir, West Rajasthan, Gujarat State, Marathwada, Coastal Andhra Pradesh & Yanam, Telangana and Rayalaseema.
- Rainfall Amount recorded (from 0830 hours IST of yesterday 0830 hours IST of today)(4 cm or more): Guna-11; Khanpur-20; Guna-16; Asnwar, Pratagarh, Cherrapunji-14; Sangod-13; Aklera, Alapuzha, Viakom, Vidisha, Begu-12; Sagar-11; Mandsaur, Subramanya, Nagaur-10; Kodagu, Shivpuri, Tripura-9; Ernakulam, Chinnakalar, Bakani, Tonk, Bhungra, Shahabad, Nithuwa, Kochin, North Lakhimpur-8; Kollam, Chindwara, Rajgarh, Jagpura, Gorakhpur, Ghazipur, Bilaspur, Kota Aerodrome-7; Swai Madhopur, Midnapore, Pet Jorhat-5; Kottayam, Agartala, Silchar-4.
- ♦ Heavy Rainfall recorded (from 0830 hours IST of yesterday 0830 hours IST of today): Extremely heavy rainfall at isolated places over West Madhya Pradesh; Very Heavy Rainfall at isolated places over East Rajasthan,, Kerala & Mahe and Assam & Meghalaya and heavy rainfall at isolated places over Himachal Pradesh, Bihar, East Uttar Pradesh, West Rajasthan, Tripura, Coastal & South Interior Karnataka, East Madhya Pradesh, and Tamilnadu, Puducherry & Karaikal..
- ♦ Thunderstorm observed (from 0830 of yesterday to 0830 hours IST of today): at isolated places over West Bengal & Sikkim, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, East Uttar Pradesh, Haryana, Chandigarh & Delhi, East Rajasthan, West Madhya Pradesh, Himachal Pradesh, Bihar, Jharkhand and Coastal Andhra Pradesh & Yanam.
- ♦ Maximum Temperature Departures as on 06-08-2021: Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at a few places over Nagaland, Manipur, Mizoram & Tripura and Coastal Andhra Pradesh & Yanam; at isolated places over Himachal Pradesh, West Rajasthan, Sub-Himalayan West Bengal & Sikkim and Tamilnadu, Puducherry & Karaikal; above normal (1.6°C to 3.0°C) at most places over Bihar; at many places over Uttarakhand, Haryana, Chandigarh & Delhi, Konkan & Goa, Rayalseema, Telangana, Chhattisgarh, Odisha, Assam & Meghalaya and Gangetic West Bengal; at a few places over Gujarat state, Madhya Maharashtra and Marathwada and at isolated places over Kerala & Vidarbha. They were appreciably below normal (-3.1°C to -5.0°C) at a few places over West Madhya Pradesh and at isolated places over East Rajasthan and East Madhya Pradesh; below normal (-1.6°C to -3.0°C) at a few places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad and Andaman & Nicobar Islands and near normal over rest parts of the country. Yesterday, the highest maximum temperature of 40.4°C was reported at Phalodi (West Rajasthan).
- ♦ Minimum Temperature Departures as on 07-08-2021: Minimum temperatures are above normal (1.6°C to 3.0°C) at most places over Haryana, Chandigarh & Delhi; at many places over Gujarat Region; at a few places over Punjab, West Rajasthan, Telangana, Coastal Andhra Pradesh & Yanam, Odisha and West Bengal & Sikkim; at isolated places over East Uttar Pradesh, East Madhya Pradesh, Rayalaseema and Tamil Nadu, Puducherry & Karaikal. They are below normal (-1.6°C to -3.0°C) at a few places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad; at isolated places over East Rajasthan and West Madhya Pradesh and near normal over rest parts of the country. Today, the lowest minimum temperature of 17.0°C is reported at Narsinghpur (East Madhya Pradesh).



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Meteorological Analysis (Based on 0830 hours IST)

- ♦ The Low Pressure Area northern parts of East Madhya Pradesh & neighbourhood with associated cyclonic circulation extending upto 4.5 km above mean sea level persists.
- ♦ The Monsoon trough at mean sea level now passes through Bikaner, Jaipur, centre of Low Pressure Area over northern parts of Madhya Pradesh & neighbourhood, Daltonganj, Digha and thence east-southeastwards to northeast Bay of Bengal.
- ♦ The cyclonic circulation over southeast Bangladesh & neighbourhood now lies over West Bengal & adjoining Bangladesh and extends between 2.1 km & 5.8 km above mean sea level tilting southwestwards with height.
- ♦ A western disturbance as a trough in mid-tropospheric westerlies runs with its axis at 5.8 km above mean sea level roughly along Long.62°E to the north of Lat.32°N.

Weather Forecast for next 5 days * upto 0830 hours IST of 12th August, 2021

- ♦ Meteorological sub-division wise detailed 5 days precipitation forecast is given in Table-1.
- ◆ No significant change in maximum temperatures over most parts of the country during next 5 days.
- ◆ Light to Moderate intensity thunderstorm accompanied with lightning very likely over plains of northwest India during next 5 days.

Weather Outlook for subsequent 2 days from 12th August 2021 to 14th August 2021

- ♦ Normal monsoon conditions over Northeast & East India and along the foothills and weak monsoon conditions over rest parts of the country.
- ◆ Fairly widespread to widespread rainfall with isolated heavy falls likely over Northeast India, East India, Western Himalayan Region, Uttar Pradesh and along the west coast. Isolated to scattered rainfall over rest parts of the country except over Rajasthan where isolated rainfall is likely.



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Weather Warning during next 5 days *

07 August (Day 1): ♦ Heavy to very heavy Rainfall very likely at isolated places over East Rajasthan, West Madhya Pradesh, Assam & Meghalaya and Kerala & Mahe; **heavy rainfall** at isolated places over Uttarakhand, Haryana, Chandigarh & Delhi, Uttar Pradesh, West Rajasthan, West Bengal & Sikkim, Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Coastal & South Interior Karnataka and Tamilnadu, Puducherry & Karaikal.

- ♦ Thunderstorm accompanied with lightning very likely at isolated places over Bihar, Jharkhand, West Bengal & Sikkim, Odisha, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Coastal Andhra Pradesh & Yanam, Telangana and Tamilnadu, Puducherry & Karaikal.
- ◆ Strong winds (speed 45-55 kmph gusting to 65 kmph) likely over Southwest and Westcentral Arabian Sea; (speed 40-50 kmph gusting to 60 kmph) over Southeast Arabian Sea along & off Kerala coast and Lakshadweep area. Fishermen are advised not to venture into these areas.
- **08 August (Day 2): ♦ Heavy to very heavy Rainfall** very likely at isolated places over Assam & Meghalaya; **heavy rainfall** at isolated places over Uttarakhand, Uttar Pradesh, East Rajasthan, West Madhya Pradesh, Bihar, Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Coastal & South Interior Karnataka, Tamilnadu, Puducherry & Karaikal and Kerala & Mahe.
- ◆ Thunderstorm accompanied with lightning very likely at isolated places over Bihar, Jharkhand, West Bengal & Sikkim, Odisha, Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- ◆ Strong winds (speed 45-55 kmph gusting to 65 kmph) very likely over Southwest and Westcentral Arabian Sea; (speed 40-50 kmph gusting to 60 kmph) over Southeast Arabian Sea along & off Kerala coast and Lakshadweep area. Fishermen are advised not to venture into these areas.
- **09 August (Day 3): ♦ Heavy rainfall** very likely at isolated places over Uttarakhand, East Uttar Pradesh, Madhya Pradesh, Bihar, Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and Tamilnadu, Puducherry & Karaikal.
- ◆ **Thunderstorm accompanied with lightning** very likely at isolated places over Bihar, Jharkhand, West Bengal & Sikkim and Tamilnadu, Puducherry & Karaikal.
- ◆ Strong winds (speed 45-55 kmph gusting to 65 kmph) likely over Southwest and Westcentral Arabian Sea. Fishermen are advised not to venture into these areas.
- **10 August (Day 4): ♦ Heavy to very heavy rainfall** likely at isolated places over East Uttar Pradesh, Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Sub-Himalayan West Bengal & Sikkim; heavy rainfall at isolated places over Uttarakhand, Bihar, Jharkhand, Assam & Meghalaya, Kerala & Mahe and Tamilnadu, Puducherry & Karaikal.
- ◆ Thunderstorm accompanied with lightning likely at isolated places over Tamilnadu, Puducherry & Karaikal.
- ◆ **Strong winds (speed 45-55 kmph gusting to 65 kmph)** likely over Southwest and Westcentral Arabian Sea. Fishermen are advised not to venture into these areas.
- **11 August (Day 5): ♦ Heavy to very heavy rainfall** likely at isolated places over Uttarakhand, East Uttar Pradesh, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Sub-Himalayan West Bengal & Sikkim, Kerala & Mahe and Tamilnadu, Puducherry & Karaikal; heavy rainfall at isolated places over Bihar, Jharkhand, Himachal Pradesh, Gangetic West Bengal, Andaman & Nicobar Islands and Coastal & South Interior Karnataka.
- ◆ Thunderstorm accompanied with lightning likely at isolated places over Odisha and Tamilnadu, Puducherry & Karaikal.
- ◆ Strong winds (speed 45-55 kmph gusting to 65 kmph) likely over Southwest and Westcentral Arabian Sea; (speed 40-50 kmph gusting to 60 kmph) over Southeast Arabian Sea along & off Kerala coast and Lakshadweep area. Fishermen are advised not to venture into these areas.

Kindly download MAUSAM APP for location specific forecast & warning, MEGHDOOT APP for Agromet advisory and DAMINI APP for Lightning Warning & visit state MC/RMC websites for district wise warning.





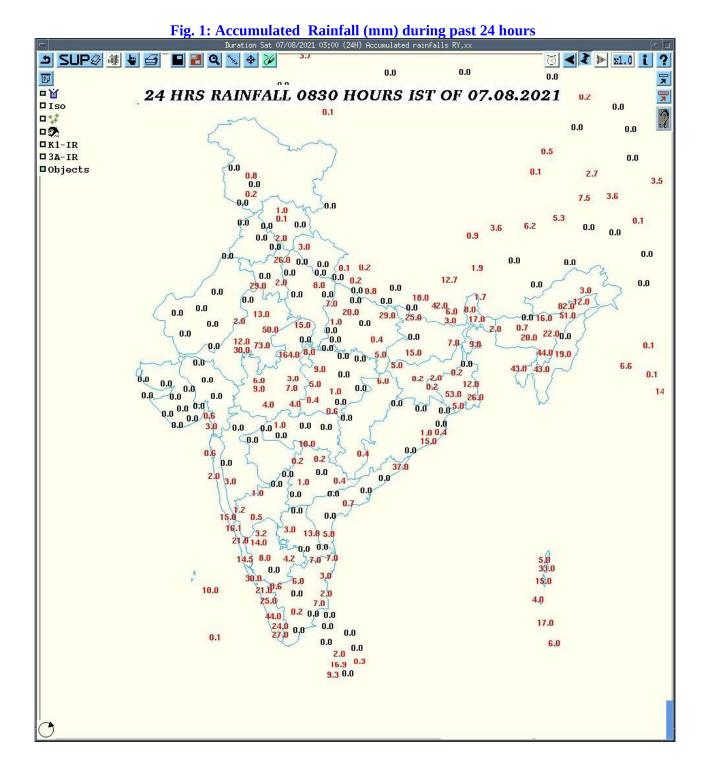
Table-1 5 Day Rainfall Forecast (MID-DAY) 07-August-2021

Met-Sub-Division	07-Aug Today	08Aug Sun	09Aug Mon	10Aug Tue	11Aug Wed
1. Andaman & Nicobar Islands	FWS	FWS	WS	WS	WS
2. Arunachal Pradesh	FWS	FWS	WS	WS	WS
3. Assam & Meghalaya	WS	WS	WS	WS	WS
4. N. M. M. & T.	WS	ws	WS	WS	WS
5. S.H. West Bengal & Sikkim	FWS	FWS	WS	WS	WS
6. Gangetic West Bengal	FWS	FWS	FWS	WS	WS
7. Odisha	SCT	SCT	ISOL	SCT	SCT
8. Jharkhand	FWS	FWS	FWS	WS	WS
9. Bihar	FWS	FWS	FWS	WS	WS
10. East Uttar Pradesh	SCT	FWS	FWS	WS	WS
11. West Uttar Pradesh	SCT	FWS	ISOL	ISOL	SCT
12. Uttarakhand	FWS	FWS	WS	FWS	WS
13. Haryana, Chd & Delhi	SCT	ISOL	ISOL	ISOL	SCT
14. Punjab	ISOL	ISOL	ISOL	ISOL	SCT
15. Himachal Pradesh	SCT	SCT	SCT	SCT	FWS
16. J & K and Ladakh	ISOL	SCT	SCT	SCT	FWS
17. West Rajsthan	SCT	ISOL	ISOL	ISOL	ISOL
18. East Rajasthan	FWS	FWS	SCT	ISOL	ISOL
19. West Madhya Pradesh	WS	WS	FWS	SCT	SCT
20. East Madhya Pradesh	FWS	FWS	FWS	SCT	SCT
21. Gujarat Region	SCT	SCT	ISOL	ISOL	ISOL
22. Saurashtra & Kutch	ISOL	ISOL	ISOL	DRY	DRY
23. Konkan & Goa	WS	WS	WS	WS	WS
24. Madhya Maharashtra	ISOL.	ISOL.	ISOL	ISOL.	ISOL
25. Marathawada	ISOL	ISOL	ISOL	ISOL	ISOL
26. Vidharbha	SCT	SCT	SCT	SCT	SCT
27. Chhattisgarh	FWS	SCT	SCT	SCT	SCT
28. Coastal A. P. & Yanam	ISOL	ISOL	ISOL	ISOL	ISOL
29. Telangana	SCT	ISOL	ISOL	ISOL	ISOL
30. Rayalaseema	ISOL	ISOL	ISOL	ISOL	ISOL
31. T.N., Puducherry & Karaikal	SCT	SCT	SCT	SCT	FWS
32. Coastal Karnataka	WS	WS	WS	WS	ws
33. North Interior Karnataka	SCT	SCT	ISOL	ISOL	ISOL
34. South Interior Karnataka	FWS	FWS	FWS	FWS	FWS
35. Kerala & Mahe					
36. Lakshadweep	WS	WS	WS	WS	WS

% Station Reporting Rainfall

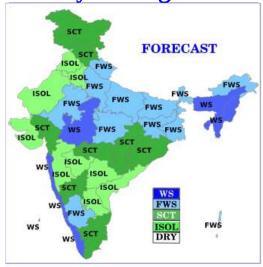
% Stations Category		% Stations	Category	
76-100	Widespread (WS/Most Places)	26-50	Scattered (SCT/ A Few Places)	
51-75	Fairly Widespred (FWS/ Many Places)	1-25	Isolated (ISOL)	
No Rain	Dry			







Sunday 08 August 2021



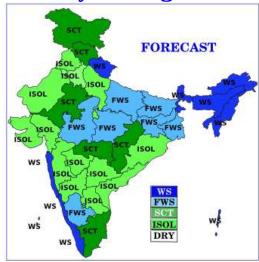


08 August (Day 2): ♦ Heavy to very heavy Rainfall very likely at isolated places over Assam & Meghalaya; **heavy rainfall** at isolated places over Uttarakhand, Uttar Pradesh, East Rajasthan, West Madhya Pradesh, Bihar, Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Coastal & South Interior Karnataka, Tamilnadu, Puducherry & Karaikal and Kerala & Mahe.

- ♦ Thunderstorm accompanied with lightning very likely at isolated places over Bihar, Jharkhand, West Bengal & Sikkim, Odisha, Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- ◆ Strong winds (speed 45-55 kmph gusting to 65 kmph) very likely over Southwest and Westcentral Arabian Sea; (speed 40-50 kmph gusting to 60 kmph) over Southeast Arabian Sea along & off Kerala coast and Lakshadweep area. Fishermen are advised not to venture into these areas.



Monday 09 August 2021

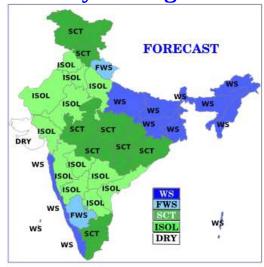




- **09** August (Day 3): ◆ Heavy rainfall very likely at isolated places over Uttarakhand, East Uttar Pradesh, Madhya Pradesh, Bihar, Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and Tamilnadu, Puducherry & Karaikal.
- ♦ Thunderstorm accompanied with lightning very likely at isolated places over Bihar, Jharkhand, West Bengal & Sikkim and Tamilnadu, Puducherry & Karaikal.
- ◆ Strong winds (speed 45-55 kmph gusting to 65 kmph) likely over Southwest and Westcentral Arabian Sea. Fishermen are advised not to venture into these areas.



Tuesday 10 August 2021

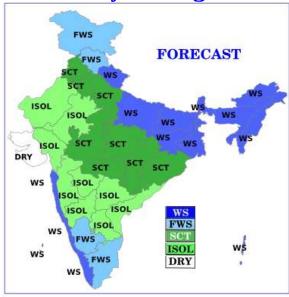




- **10 August (Day 4): ♦ Heavy to very heavy rainfall** likely at isolated places over East Uttar Pradesh, Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Sub-Himalayan West Bengal & Sikkim; heavy rainfall at isolated places over Uttarakhand, Bihar, Jharkhand, Assam & Meghalaya, Kerala & Mahe and Tamilnadu, Puducherry & Karaikal.
- ◆ Thunderstorm accompanied with lightning likely at isolated places over Tamilnadu, Puducherry & Karaikal.
- ◆ Strong winds (speed 45-55 kmph gusting to 65 kmph) likely over Southwest and Westcentral Arabian Sea. Fishermen are advised not to venture into these areas.



Wednesday 11 August 2021

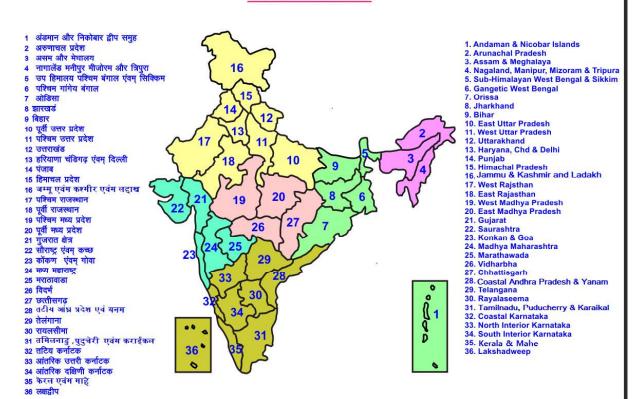




- **11 August (Day 5): ♦ Heavy to very heavy rainfall** likely at isolated places over Uttarakhand, East Uttar Pradesh, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Sub-Himalayan West Bengal & Sikkim, Kerala & Mahe and Tamilnadu, Puducherry & Karaikal; **heavy rainfall** at isolated places over Bihar, Jharkhand, Himachal Pradesh, Gangetic West Bengal, Andaman & Nicobar Islands and Coastal & South Interior Karnataka.
- ◆ Thunderstorm accompanied with lightning likely at isolated places over Odisha and Tamilnadu, Puducherry & Karaikal.
- ◆ Strong winds (speed 45-55 kmph gusting to 65 kmph) likely over Southwest and Westcentral Arabian Sea; (speed 40-50 kmph gusting to 60 kmph) over Southeast Arabian Sea along & off Kerala coast and Lakshadweep area. Fishermen are advised not to venture into these areas.



LEGENDS



SPATIAL DISTRIBUTION (% of Stations reporting)

% Stations	Category	% Stations	Category
76-100	Widespread (WS/Most Places)	26-50	Scattered (SCT/ A Few Places)
51-75	51-75 Fairly Widespred (FWS/ Many Places)		Isolated (ISOL)

WARNING

WARNING (TAKE ACTION) ALERT (BE PREPARED)

WATCH (BE UPDATED)

NO WARNING (NO ACTION)

Probabilistic Forecast

Terms	Probability of Occurrence (%)
Unlikely	< 25
Likely	25 - 50
Very Likely	50 - 75
Most Likely	> 75



Heavy Rain



Heavy Snow



Thunderstorm



Dust Storm



Strong Winds



Visibility



Cyclone



Squall/ Hail



Frost



Cold Wave



Heat Wave



Sea State