

Monday 01 August 2022

MORNING

Time of Issue: 0730 hours IST

ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

Significant Weather Features

- ◆ The western end of monsoon trough at mean sea level lies north of its normal position and eastern end runs close to foothills of the Himalayas. The monsoon trough is very likely to be north of its normal position or along the foothills of Himalayas during next 2 days. The eastern end is likely to shift southwards thereafter.
- ◆ A Western Disturbance lies over Afghanistan & adjoining Pakistan in middle tropospheric levels.
- ◆ A North-south trough runs from south Chhattisgarh to Comorin area across Telangana, Rayalaseema and Tamilnadu at lower tropospheric levels.
- ◆ A shear zone in middle tropospheric levels likely to develop across extreme south Peninsular India from 2nd August, 2022.
- ◆ Under the influence of above systems;
  - o Fairly widespread/widespread rainfall activity with isolated **heavy falls and thunderstorm/lightning** very likely over Uttarakhand and East Uttar Pradesh during 01st-02nd and Jammu & Kashmir on 01st August, 2022.
  - o Fairly widespread/widespread rainfall with isolated **heavy falls and thunderstorm/lightning** very likely over Bihar, Jharkhand and Gangetic West Bengal during 01st-02nd; Odisha on 01st, 04th & 05th; Sub-Himalayan West Bengal & Sikkim and Arunachal Pradesh during 01st-03rd; Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 01st-05th August, 2022.
- ◆ **Isolated very heavy rainfall also very likely over Arunachal Pradesh and Assam & Meghalaya on 01st August, 2022.**
  - o Fairly widespread/widespread rainfall with isolated **heavy falls and thunderstorm/lightning** very likely over Telangana during 03rd-05th; Coastal & North Interior Karnataka and Lakshadweep during 02nd-05th; South Interior Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe during 01st-05th; Rayalaseema on 01st & 02nd August, 2022.
- ▶ **Isolated very heavy rainfall likely over Coastal Karnataka during 03rd-05th; North Interior Karnataka during 02nd-05th; Kerala & Mahe during 01st-05th; South Interior Karnataka on 04th & 05th August and Tamil Nadu, Puducherry & Karaikal during 01st-04th August, 2022.**
- ▶ **Isolated extremely heavy rainfall also likely over Kerala & Mahe during 02nd-04th August, 2022.**

Main Weather Observations

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- ◆ **Rainfall/thundershower observed (from 0830 hours IST to 1730 hours IST of yesterday):** at most places over Arunachal Pradesh, Sub-Himalayan West Bengal & Sikkim, Himachal Pradesh and Haryana, Chandigarh & Delhi; at many places over Assam & Meghalaya, Bihar, Uttarakhand, Punjab, North Interior Karnataka and Andaman & Nicobar Islands; at a few places over Nagaland, Manipur, Mizoram & Tripura, East Uttar Pradesh, Chhattisgarh, Rajasthan and Kerala & Mahe and at isolated places over Gangetic West Bengal, Jharkhand, West Uttar Pradesh, East Madhya Pradesh, West Rajasthan, Gujarat State, Madhya Maharashtra, South Interior Karnataka, Tamil Nadu, Puducherry & Karaikal and Lakshadweep.
- ◆ **Chief amount of Rainfall observed (from 0830 hours IST to 1730 hours IST of yesterday): (2 cm or more):** Ludhiana-8, Dharmasala and Hissar-5; Bahraich, Dehradun, Majbat, Gorakhpur, Chandbali and Solan-3; Tezpur, Kalimpong, Jalpaiguri, Malda and Ludhiana-2 each.
- ◆ **Heavy rainfall observed (from 0830 hours IST to 1730 hours IST of yesterday)** at isolated places over Punjab.
- ◆ **Thunderstorm observed (from 0830 hours IST of yesterday to 0530 hours IST of today):** at isolated places over East Uttar Pradesh, Punjab, Haryana, Chandigarh & Delhi, West Rajasthan, East Madhya Pradesh, Bihar, West Bengal & Sikkim, Tripura, Jharkhand, Chhattisgarh, Coastal Andhra Pradesh & Yanam, Madhya Maharashtra, Coastal & North Interior Karnataka, Rayalaseema, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.
- ◆ **Minimum Temperature Departures (as on 31-07-2022):** Minimum temperatures were appreciably above normal (3.1°C to 5.0°C) at isolated places over Gangetic West Bengal and Odisha; above normal (1.6°C to 3.0°C) at many places over Chhattisgarh, Jharkhand and Coastal Andhra Pradesh & Yanam; at a few places over Vidarbha, Konkan & Goa, Telangana and at isolated places over East Madhya Pradesh. They were below normal (-1.6°C to -3.0°C) at a few places over Haryana, Chandigarh & Delhi and West Rajasthan, at isolated places over Tamil Nadu, Puducherry & Karaikal and near normal over rest parts of the country. **Yesterday**, the lowest minimum temperature of 20.0°C was reported at **Khandwa (West Madhya Pradesh)** over the plains of the country.
- ◆ **Maximum Temperature Departures (as on 31-07-2022):** Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at many places over Vidarbha, Madhya Maharashtra and North Interior Karnataka; at a few places over Odisha and Kerala & Mahe and at isolated places over Gangetic West Bengal, East Madhya Pradesh and Gujarat Region; above normal (1.6°C to -3.0°C) at most places over Chhattisgarh and Coastal Karnataka; at many places over Marathwada, Jharkhand, Telangana, Coastal Andhra Pradesh & Yanam and Konkan & Goa; at a few places over Saurashtra & Kutch, West Uttar Pradesh, Tamilnadu, Puducherry & Karaikal and Andaman & Nicobar Islands. They were markedly below normal (-5.1°C or less) at a few places over Himachal Pradesh; appreciably below normal (-3.1°C to -5.0°C) at isolated places over Assam & Meghalaya; below normal (-1.6°C to -3.0°C) most places over Punjab; at many places over Sub-Himalayan West Bengal & Sikkim and at isolated places over Jammu & Kashmir and Haryana, Chandigarh & Delhi and near normal over rest parts of the country. **Today**, the highest maximum temperature of 37.4°C was reported at **Tirupati (Rayalaseema)**.

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### Meteorological Analysis (Based on 0530 hours IST)

- ◆ The **western end of monsoon trough** at mean sea level continues to pass through Ferozpur, Karnal, Bareilly, Bahraich and the eastern end runs close to foothills of the Himalayas.
- ◆ The **Western Disturbance** as a cyclonic circulation over Afghanistan & adjoining Pakistan at 3.1 km above mean sea level persists. The trough aloft with its axis at 5.8 km above mean sea level now runs roughly along Long.68° E to the north of Lat. 30° N.
- ◆ The cyclonic circulation over Punjab & neighbourhood between 1.5 km & 3.1 km above mean sea level persists.
- ◆ The cyclonic circulation over Rayalaseema & neighbourhood at 1.5 km above mean sea level persists.
- ◆ The North-south trough from south Chhattisgarh to Comorin area across Telangana, Rayalaseema and Tamilnadu at 0.9 km above mean sea level persists.
- ◆ The trough from central parts of south Bay of Bengal to Comorin Area across south Sri Lanka coast at 3.1 km above mean sea level persists.

### Weather Forecast for next 5 days \* upto 0830 hours IST of 06th August 2022

- ◆ Meteorological sub-division wise detailed 5 days precipitation forecast is given in Table-1.
- ◆ No significant change in maximum temperatures very likely over the country during next 5 days.

### Weather Outlook for subsequent 2 days During 06th August - 08th August 2022

- ◆ Fairly widespread to widespread light/moderate rainfall activity likely over Central, East and Northeast India and Islands.
- ◆ Scattered/fairly widespread light/moderate rainfall activity likely over Northwest, west & south Peninsular India (except Tamil Nadu).
- ◆ Isolated/scattered light/moderate rainfall activity likely over Tamil Nadu and Rajasthan.

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## Weather Warning during next 5 days \*

**01 Aug (Day 1): ♦ Heavy to very heavy rainfall** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe and **heavy rainfall** at isolated places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Uttarakhand, East Uttar Pradesh, Bihar, Jharkhand, West Bengal & Sikkim, Odisha, Andaman & Nicobar Islands, Nagaland, Manipur, Mizoram & Tripura, Rayalaseema and South Interior Karnataka.

♦ **Thunderstorm accompanied with gusty winds (speed reaching 30-40 kmph)** likely at isolated places over Andaman & Nicobar Islands and **with lightning** at isolated places over Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar, Jharkhand, West Bengal & Sikkim, Odisha, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Madhya Maharashtra, Marathwada, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Karnataka, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep.

♦ **Squally weather** (wind speed 40-50 kmph gusting to 60 kmph) very likely over along and off Kerala, Karnataka, Lakshadweep and Comorin area. **Strong winds** of 45-55 kmph gusting to 65 kmph likely over south west Arabian Sea and adjoining west central Arabian Sea and 40-50 kmph gusting to 60 kmph likely over south west & adjoining west central Arabian Sea and south Bay of Bengal. Fishermen are advised not to venture into these seas.

**02 Aug (Day 2): ♦ Heavy to Very Heavy rainfall with extremely heavy falls** at isolated places very likely over Kerala & Mahe; **Heavy to very heavy rainfall** at isolated places over North Interior Karnataka and Tamil Nadu, Puducherry & Karaikal and **heavy rainfall** at isolated places over Uttarakhand, East Uttar Pradesh, Bihar, Jharkhand, Sub-Himalayan West Bengal & Sikkim, Gangetic West Bengal, Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Rayalaseema, Coastal Karnataka, South Interior Karnataka and Lakshadweep.

♦ **Thunderstorm accompanied with gusty winds (speed reaching 40-50 kmph)** likely at isolated places over Andaman & Nicobar Islands and **with lightning** at isolated places over Bihar, Jharkhand, Gangetic West Bengal, Odisha, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep.

♦ **Squally weather** (wind speed 40-50 kmph gusting to 60 kmph) very likely over along and off Kerala, Karnataka, Lakshadweep, Comorin and Andaman Sea. **Strong winds** of 45-55 kmph gusting to 65 kmph likely over south west Arabian Sea and adjoining west central Arabian Sea & south Bay of Bengal and 40-50 kmph gusting to 60 kmph likely over south west & adjoining central Arabian Sea, Gulf of Mannar, Tamil Nadu coast and south Bay of Bengal. Fishermen are advised not to venture into these seas.

**03 Aug (Day 3): ♦ Heavy to Very Heavy rainfall with extremely heavy falls** at isolated places likely over Kerala & Mahe; **Heavy to very heavy rainfall** at isolated places over Coastal Karnataka, North Interior Karnataka and Tamil Nadu, Puducherry & Karaikal and **heavy rainfall** at isolated places over East Madhya Pradesh, Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Telangana, South Interior Karnataka and Lakshadweep.

♦ **Thunderstorm accompanied with gusty winds (speed reaching 40-50 kmph)** likely at isolated places over Andaman & Nicobar Islands and **with lightning** at isolated places over Marathwada, Coastal Andhra Pradesh & Yanam, Rayalaseema, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep.

♦ **Squally weather** (wind speed 40-50 kmph gusting to 60 kmph) very likely over along and off Kerala, Karnataka, Tamil Nadu coasts, Lakshadweep and Andaman Sea. **Strong winds** of 45-55 kmph gusting to 65 kmph likely over south west Arabian Sea and adjoining west central Arabian Sea & south Bay of Bengal and 40-50 kmph gusting to 60 kmph likely over south west & adjoining west central Arabian Sea, Lakshadweep, Comorin area and south & central parts of Bay of Bengal. Fishermen are advised not to venture into these seas.

**04 Aug (Day 4): ♦ Heavy to Very Heavy rainfall with extremely heavy falls** at isolated places likely over Kerala & Mahe; **Heavy to very heavy rainfall** at isolated places over Coastal Karnataka, North Interior Karnataka, South Interior Karnataka and Tamil Nadu, Puducherry & Karaikal and **heavy rainfall** at isolated places over East Rajasthan, Madhya Pradesh, Odisha, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Konkan & Goa, Telangana and Lakshadweep.

♦ **Thunderstorm accompanied with gusty winds (speed reaching 30-40 kmph)** likely at isolated places over Andaman & Nicobar Islands and **with lightning** at isolated places over Rajasthan, Marathwada, Rayalaseema, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep.

♦ **Squally weather** (wind speed 40-50 kmph gusting to 60 kmph) very likely over along and off Kerala, Karnataka, Tamil Nadu coasts, Lakshadweep, Comorin area and Andaman Sea. **Strong winds** of 45-55 kmph gusting to 65 kmph likely over south west Arabian Sea and adjoining west central Arabian Sea & south Bay of Bengal and 40-50 kmph gusting to 60 kmph likely over south west & adjoining central Arabian Sea and south & central parts of Bay of Bengal. Fishermen are advised not to venture into these seas.

**05 Aug (Day 5): ♦ Heavy to Very Heavy rainfall** at isolated places likely over Coastal Karnataka, North Interior Karnataka, South Interior Karnataka and Kerala & Mahe and **heavy rainfall** at isolated places over East Rajasthan, Madhya Pradesh, Odisha, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Konkan & Goa, Telangana, Tamil Nadu, Puducherry & Karaikal and Lakshadweep.

♦ **Thunderstorm accompanied with gusty winds (speed reaching 30-40 kmph)** likely at isolated places over Andaman & Nicobar Islands and **with lightning** at isolated places over Rajasthan, Marathwada, Rayalaseema, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep.

♦ **Squally weather** (wind speed 40-50 kmph gusting to 60 kmph) very likely over along and off Kerala, Karnataka, Tamil Nadu coasts, Lakshadweep, Comorin area and Andaman Sea. **Strong winds** of 45-55 kmph gusting to 65 kmph likely over south west Arabian Sea and adjoining west central Arabian Sea & south Bay of Bengal and 40-50 kmph gusting to 60 kmph likely over south west & adjoining central Arabian Sea and south & central parts of Bay of Bengal. Fishermen are advised not to venture into these seas.

**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.**

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**Table-1**  
**5 Day Rainfall Forecast (MORNING)**  
**01-August-2022**

Met-Sub-Division	01-Aug Today	02Aug Tue	03Aug Wed	04Aug Thu	05Aug Fri
1. Andaman & Nicobar Islands	WS	WS	WS	WS	WS
2. Arunachal Pradesh	WS	WS	FWS	FWS	FWS
3. Assam & Meghalaya	WS	WS	FWS	FWS	FWS
4. N. M. M. & T.	FWS	FWS	FWS	WS	WS
5. S.H. West Bengal & Sikkim	WS	WS	WS	WS	WS
6. Gangetic West Bengal	WS	WS	FWS	FWS	FWS
7. Odisha	FWS	SCT	FWS	FWS	FWS
8. Jharkhand	FWS	WS	WS	FWS	FWS
9. Bihar	WS	WS	FWS	FWS	FWS
10. East Uttar Pradesh	SCT	FWS	FWS	FWS	FWS
11. West Uttar Pradesh	SCT	SCT	SCT	FWS	FWS
12. Uttarakhand	WS	WS	FWS	FWS	WS
13. Haryana, Chd & Delhi	SCT	SCT	SCT	SCT	SCT
14. Punjab	SCT	SCT	SCT	SCT	SCT
15. Himachal Pradesh	FWS	SCT	FWS	FWS	FWS
16. J & K and Ladakh	FWS	SCT	SCT	ISOL	ISOL
17. West Rajsthan	ISOL	ISOL	ISOL	SCT	SCT
18. East Rajasthan	ISOL	ISOL	SCT	FWS	FWS
19. West Madhya Pradesh	ISOL	SCT	FWS	FWS	FWS
20. East Madhya Pradesh	SCT	FWS	FWS	FWS	WS
21. Gujarat Region	ISOL	ISOL	ISOL	SCT	SCT
22. Saurashtra & Kutch	ISOL	ISOL	ISOL	ISOL	ISOL
23. Konkan & Goa	SCT	SCT	SCT	FWS	WS
24. Madhya Maharashtra	SCT	SCT	SCT	SCT	SCT
25. Marathawada	ISOL	ISOL	SCT	SCT	SCT
26. Vidharbha	SCT	FWS	FWS	FWS	WS
27. Chhattisgarh	SCT	FWS	FWS	FWS	WS
28. Coastal A. P. & Yanam	SCT	SCT	SCT	SCT	SCT
29. Telangana	SCT	SCT	WS	WS	WS
30. Rayalaseema	FWS	FWS	FWS	SCT	SCT
31. T.N.,Puducherry & Karaikal	FWS	FWS	FWS	SCT	SCT
32. Coastal Karnataka	WS	WS	WS	WS	WS
33. North Interior Karnataka	WS	WS	WS	WS	WS
34. South Interior Karnataka	WS	WS	WS	WS	WS
35. Kerala & Mahe	WS	WS	WS	WS	WS
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 Widespread (FWS/ Many Places)	1-25	Isolated (ISOL)
No Rain	Dry		

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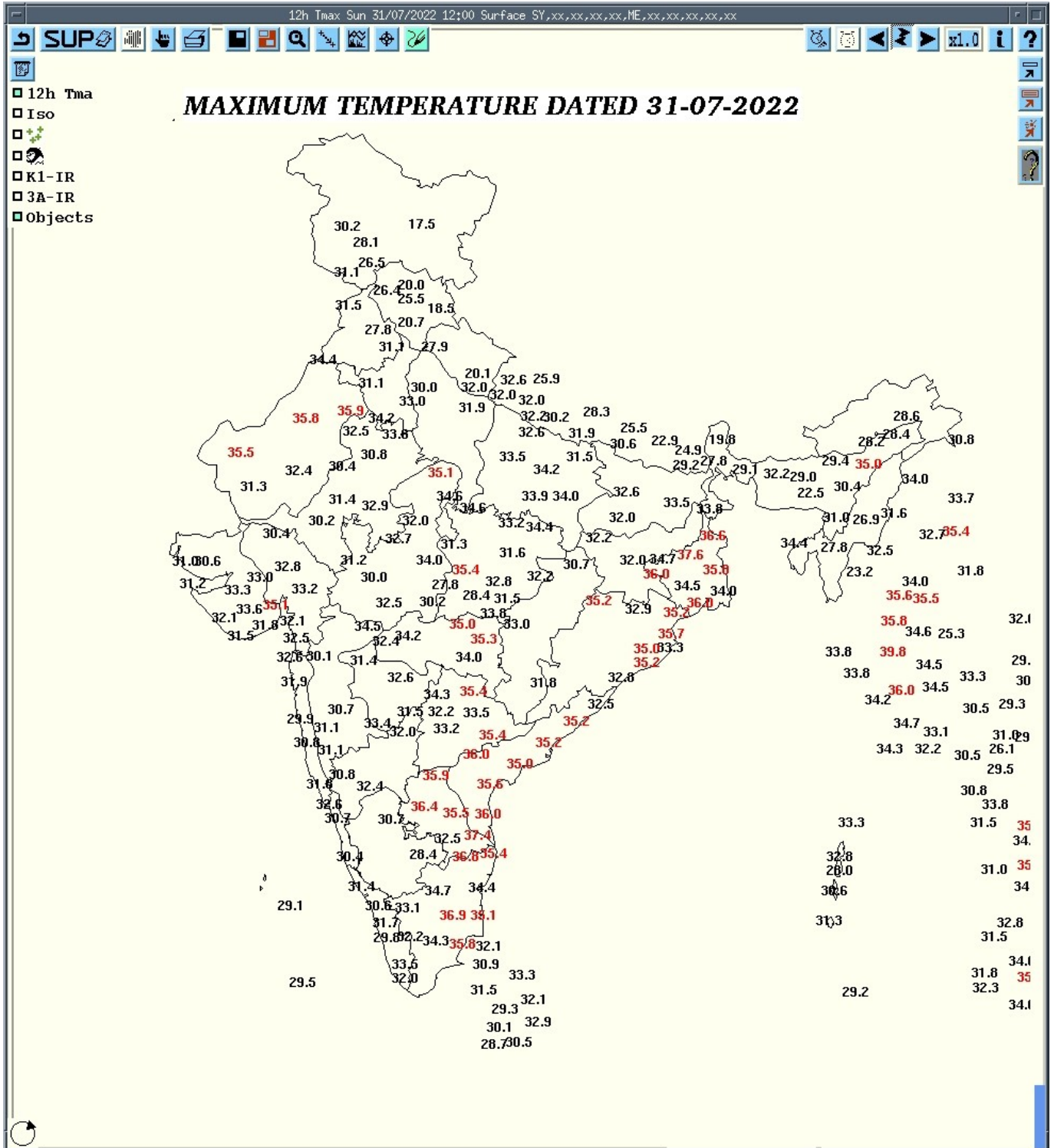
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Fig. 2: Maximum Temperature during past 24 hours



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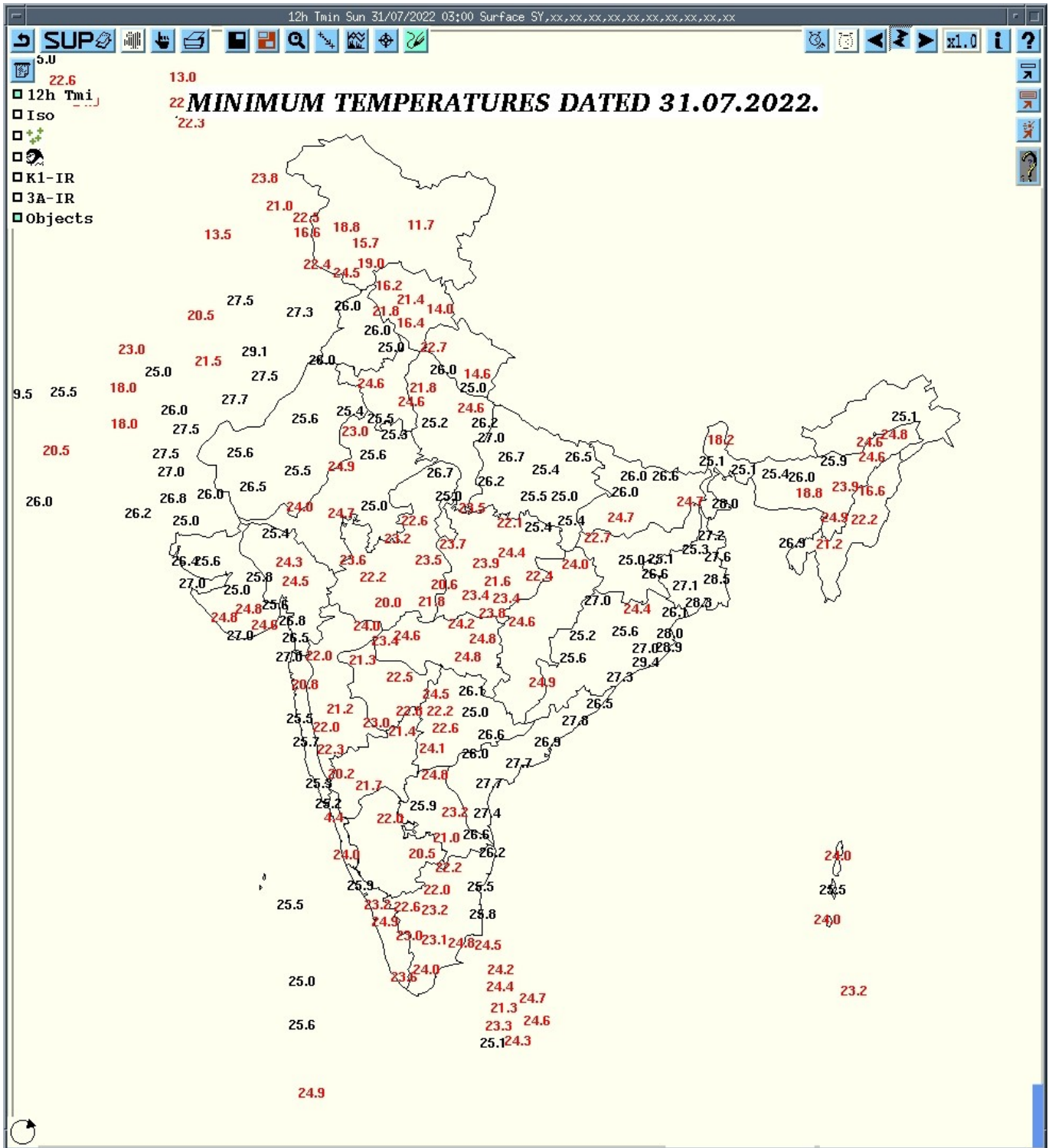
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Fig. 3: Minimum Temperature during past 24 hours

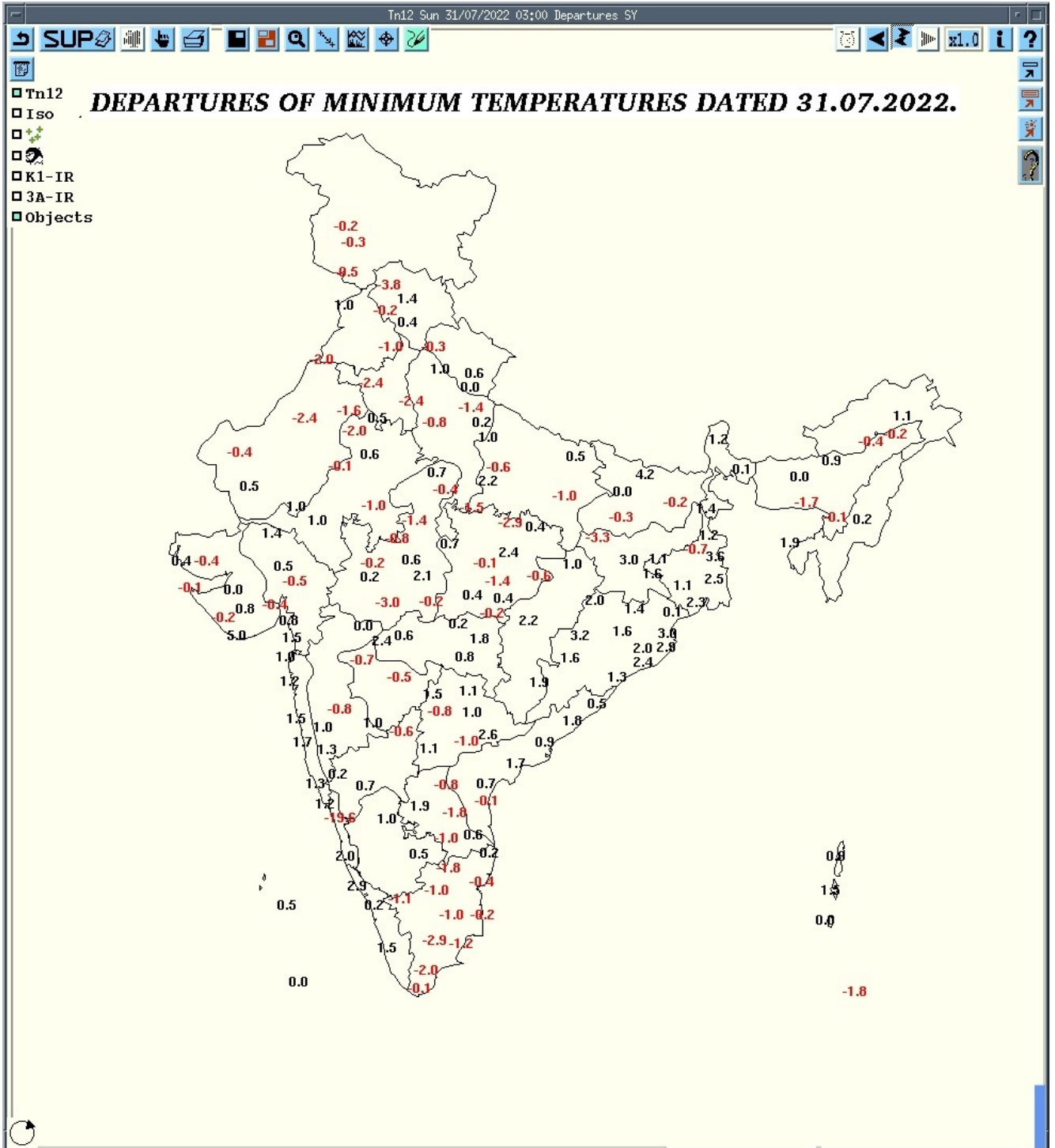


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Fig. 5 : Departure from Normal of Minimum Temperatures



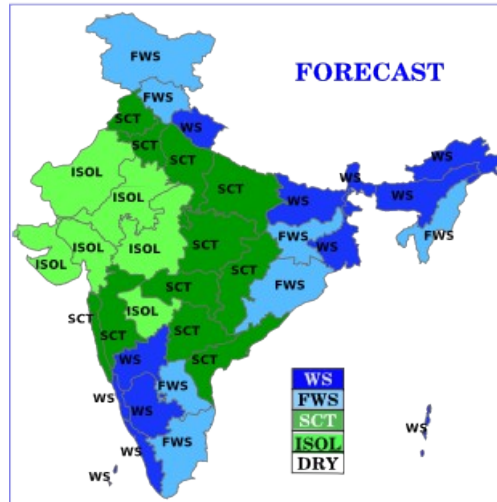
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## Monday 01 August 2022



**01 Aug (Day 1):** ♦ **Heavy to very heavy rainfall** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe and **heavy rainfall** at isolated places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Uttarakhand, East Uttar Pradesh, Bihar, Jharkhand, West Bengal & Sikkim, Odisha, Andaman & Nicobar Islands, Nagaland, Manipur, Mizoram & Tripura, Rayalaseema and South Interior Karnataka.

♦ **Thunderstorm accompanied with gusty winds (speed reaching 30-40 kmph)** likely at isolated places over Andaman & Nicobar Islands and **with lightning** at isolated places over Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar, Jharkhand, West Bengal & Sikkim, Odisha, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Madhya Maharashtra, Marathwada, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Karnataka, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep.

♦ **Squally weather** (wind speed 40-50 kmph gusting to 60 kmph) very likely over along and off Kerala, Karnataka, Lakshadweep and Comorin area. **Strong winds** of 45-55 kmph gusting to 65 kmph likely over south west Arabian Sea and adjoining west central Arabian Sea and 40-50 kmph gusting to 60 kmph likely over south west & adjoining west central Arabian Sea and south Bay of Bengal. Fishermen are advised not to venture into these seas.

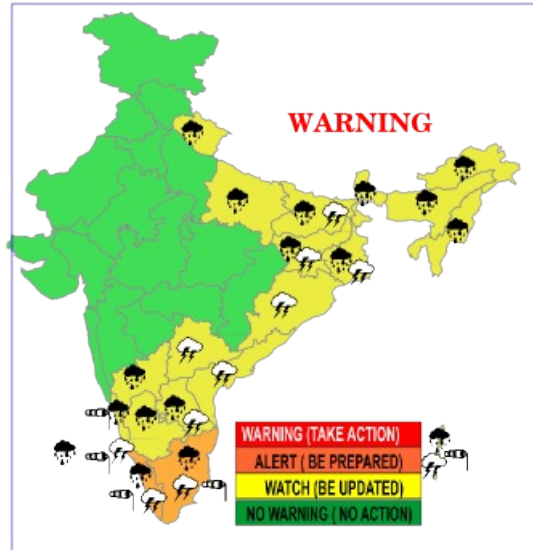
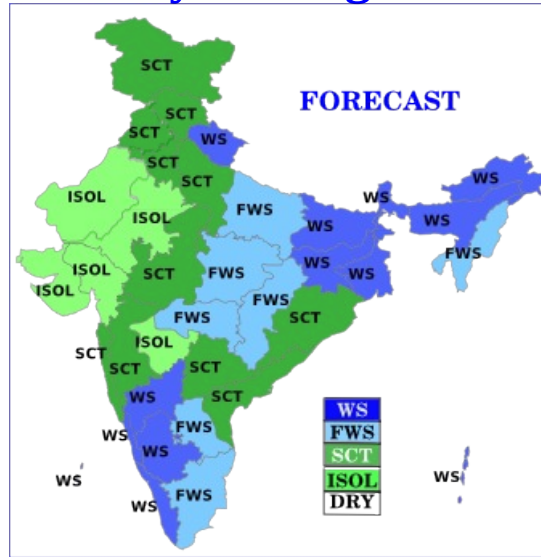
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## Tuesday 02 August 2022



**02 Aug (Day 2):** ♦ **Heavy to Very Heavy rainfall with extremely heavy falls** at isolated places very likely over Kerala & Mahe; **Heavy to very heavy rainfall** at isolated places over North Interior Karnataka and Tamil Nadu, Puducherry & Karaikal and **heavy rainfall** at isolated places over Uttarakhand, East Uttar Pradesh, Bihar, Jharkhand, Sub-Himalayan West Bengal & Sikkim, Gangetic West Bengal, Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Rayalaseema, Coastal Karnataka, South Interior Karnataka and Lakshadweep.

♦ **Thunderstorm accompanied with gusty winds (speed reaching 40-50 kmph)** likely at isolated places over Andaman & Nicobar Islands and **with lightning** at isolated places over Bihar, Jharkhand, Gangetic West Bengal, Odisha, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep.

♦ **Squally weather** (wind speed 40-50 kmph gusting to 60 kmph) very likely over along and off Kerala, Karnataka, Lakshadweep, Comorin and Andaman Sea. **Strong winds** of 45-55 kmph gusting to 65 kmph likely over south west Arabian Sea and adjoining west central Arabian Sea & south Bay of Bengal and 40-50 kmph gusting to 60 kmph likely over south west & adjoining central Arabian Sea, Gulf of Mannar, Tamil Nadu coast and south Bay of Bengal. Fishermen are advised not to venture into these seas.

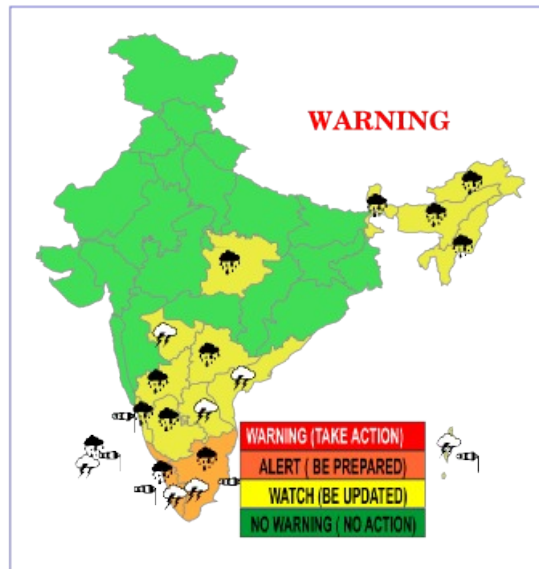
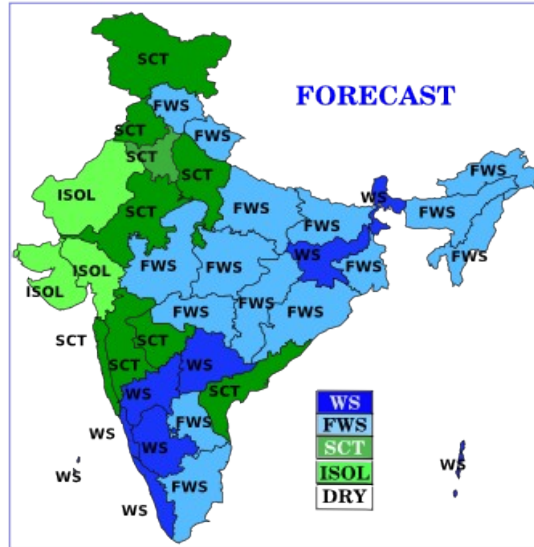
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## Wednesday 03 August 2022



**03 Aug (Day 3):** ♦ **Heavy to Very Heavy rainfall with extremely heavy falls** at isolated places likely over Kerala & Mahe; **Heavy to very heavy rainfall** at isolated places over Coastal Karnataka, North Interior Karnataka and Tamil Nadu, Puducherry & Karaikal and **heavy rainfall** at isolated places over East Madhya Pradesh, Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Telangana, South Interior Karnataka and Lakshadweep.

♦ **Thunderstorm accompanied with gusty winds (speed reaching 40-50 kmph)** likely at isolated places over Andaman & Nicobar Islands and **with lightning** at isolated places over Marathwada, Coastal Andhra Pradesh & Yanam, Rayalaseema, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep.

♦ **Squally weather** (wind speed 40-50 kmph gusting to 60 kmph) very likely over along and off Kerala, Karnataka, Tamil Nadu coasts, Lakshadweep and Andaman Sea. **Strong winds** of 45-55 kmph gusting to 65 kmph likely over south west Arabian Sea and adjoining west central Arabian Sea & south Bay of Bengal and 40-50 kmph gusting to 60 kmph likely over south west & adjoining west central Arabian Sea, Lakshadweep, Comorin area and south & central parts of Bay of Bengal. Fishermen are advised not to venture into these seas.

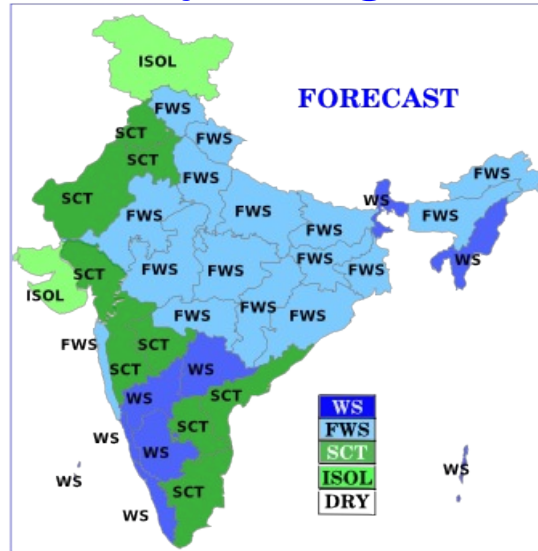
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(Copies to the Meteorologist (GPO))

## Thursday 04 August 2022



**04 Aug (Day 4):** ♦ **Heavy to Very Heavy rainfall with extremely heavy falls** at isolated places likely over Kerala & Mahe; **Heavy to very heavy rainfall** at isolated places over Coastal Karnataka, North Interior Karnataka, South Interior Karnataka and Tamil Nadu, Puducherry & Karaikal and **heavy rainfall** at isolated places over East Rajasthan, Madhya Pradesh, Odisha, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Konkan & Goa, Telangana and Lakshadweep.

♦ **Thunderstorm accompanied with gusty winds (speed reaching 30-40 kmph)** likely at isolated places over Andaman & Nicobar Islands and **with lightning** at isolated places over Rajasthan, Marathwada, Rayalaseema, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep.

♦ **Squally weather** (wind speed 40-50 kmph gusting to 60 kmph) very likely over along and off Kerala, Karnataka, Tamil Nadu coasts, Lakshadweep, Comorin area and Andaman Sea. **Strong winds** of 45-55 kmph gusting to 65 kmph likely over south west Arabian Sea and adjoining west central Arabian Sea & south Bay of Bengal and 40-50 kmph gusting to 60 kmph likely over south west & adjoining central Arabian Sea and south & central parts of Bay of Bengal. Fishermen are advised not to venture into these seas.

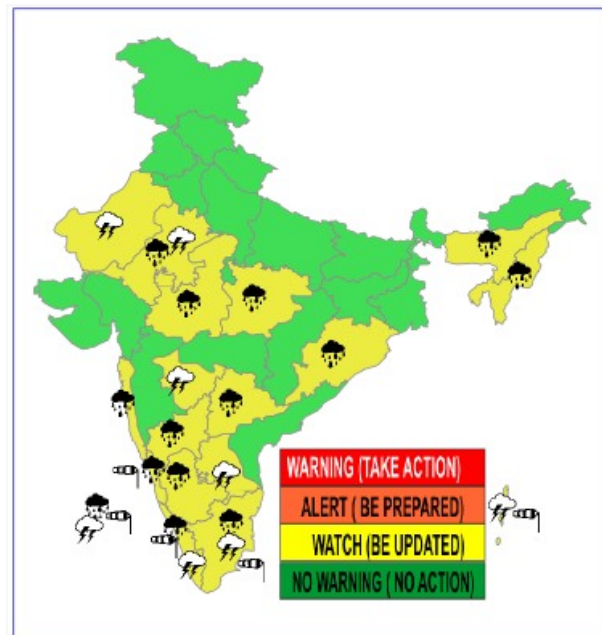
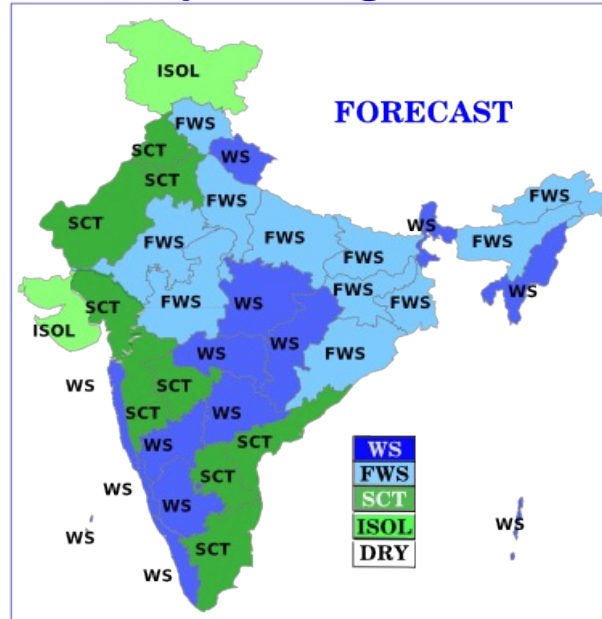
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(Circle as the National flag 487)

## Friday 05 August 2022



**05 Aug (Day 5):** ♦ **Heavy to Very Heavy rainfall** at isolated places likely over Coastal Karnataka, North Interior Karnataka, South Interior Karnataka and Kerala & Mahe and **heavy rainfall** at isolated places over East Rajasthan, Madhya Pradesh, Odisha, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Konkan & Goa, Telangana, Tamil Nadu, Puducherry & Karaikal and Lakshadweep.

♦ **Thunderstorm accompanied with gusty winds (speed reaching 30-40 kmph)** likely at isolated places over Andaman & Nicobar Islands and **with lightning** at isolated places over Rajasthan, Marathwada, Rayalaseema, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep.

♦ **Squally weather** (wind speed 40-50 kmph gusting to 60 kmph) very likely over along and off Kerala, Karnataka, Tamil Nadu coasts, Lakshadweep, Comorin area and Andaman Sea. **Strong winds** of 45-55 kmph gusting to 65 kmph likely over south west Arabian Sea and adjoining west central Arabian Sea & south Bay of Bengal and 40-50 kmph gusting to 60 kmph likely over south west & adjoining central Arabian Sea and south & central parts of Bay of Bengal. Fishermen are advised not to venture into these seas.

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(Circle as the National flag 1971)

## LEGENDS

- 1 अंडमान और निकोबार द्वीप समूह
- 2 अरुणाचल प्रदेश
- 3 असम और मेघालय
- 4 नागालैंड मनीपुर मीजोरम और त्रिपुरा
- 5 उप हिमालय पश्चिम बंगाल एंवम् सिक्किम
- 6 पश्चिम गंगोय बंगाल
- 7 ओडिशा
- 8 झारखंड
- 9 बिहार
- 10 पूर्वी उत्तर प्रदेश
- 11 पश्चिम उत्तर प्रदेश
- 12 उत्तराखंड
- 13 हरियाणा चंडिगढ़ एंवम् दिल्ली
- 14 पंजाब
- 15 हिमाचल प्रदेश
- 16 जम्मू एंवम् कश्मीर एंवम् लद्दाख
- 17 पश्चिम राजस्थान
- 18 पूर्वी राजस्थान
- 19 पश्चिम मध्य प्रदेश
- 20 पूर्वी मध्य प्रदेश
- 21 गुजरात क्षेत्र
- 22 सौराष्ट्र एंवम् कच्छ
- 23 कोंकण एंवम् गोवा
- 24 मध्य महाराष्ट्र
- 25 मराठावाडा
- 26 विदर्भ
- 27 छत्तीसगढ़
- 28 तटीय आंध्र प्रदेश एवं यनम
- 29 तेलंगाना
- 30 रायलसीमा
- 31 तमिलनाडु, पुदुचेरी एंवम् कराईकल
- 32 तटिय कर्नाटक
- 33 आंतरिक उत्तरी कर्नाटक
- 34 आंतरिक दक्षिणी कर्नाटक
- 35 केरल एंवम् माहे
- 36 लक्षद्वीप



1. Andaman & Nicobar Islands
2. Arunachal Pradesh
3. Assam & Meghalaya
4. Nagaland, Manipur, Mizoram & Tripura
5. Sub-Himalayan West Bengal & Sikkim
6. Gangetic West Bengal
7. Orissa
8. Jharkhand
9. Bihar
10. East Uttar Pradesh
11. West Uttar Pradesh
12. Uttarakhand
13. Haryana, Chd & Delhi
14. Punjab
15. Himachal Pradesh
16. Jammu & Kashmir and Ladakh
17. West Rajasthan
18. East Rajasthan
19. West Madhya Pradesh
20. East Madhya Pradesh
21. Gujarat
22. Saurashtra
23. Konkan & Goa
24. Madhya Maharashtra
25. Marathawada
26. Vidharbha
27. Chhattisgarh
28. Coastal Andhra Pradesh & Yanam
29. Telangana
30. Rayalaseema
31. Tamilnadu, Puducherry & Karaikal
32. Coastal Karnataka
33. North Interior Karnataka
34. South Interior Karnataka
35. Kerala & Mahe
36. Lakshadweep

## SPATIAL DISTRIBUTION (% of Stations reporting)

% Stations	Category	% Stations	Category
76-100	Widespread (WS/Most Places)	26-50	Scattered (SCT/ A Few Places)
51-75	Fairly Widespread (FWS/ Many Places)	1-25	Isolated (ISOL)

## WARNING

<b>WARNING (TAKE ACTION)</b>
<b>ALERT ( BE PREPARED)</b>
<b>WATCH (BE UPDATED)</b>
<b>NO WARNING ( NO ACTION)</b>

## 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

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## LEGENDS

### 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



Rain/ Snow \*

Heavy: 64.5 to 115.5 mm/cm \*  
Very Heavy: 115.6 to 204.4 mm/cm \*  
Extremely Heavy: > 204.4 mm/cm \*



Heat Wave

When maximum temperature of a station reaches  $\geq 40^{\circ}\text{C}$  for plains and  $\geq 30^{\circ}\text{C}$  for hilly regions

(a) Based on Departure from normal

Heat Wave: Maximum Temperature Departure from normal  $4.5^{\circ}\text{C}$  to  $6.4^{\circ}\text{C}$ .

Severe Heat Wave: Maximum Temperature Departure from normal  $\geq 6.5^{\circ}\text{C}$

(b). Based on Actual maximum temperature

Heat Wave: When actual maximum temperature  $\geq 45^{\circ}\text{C}$ .

Severe Heat Wave: When actual maximum temperature  $\geq 47^{\circ}\text{C}$

(c) Criteria for heat wave for coastal stations

When maximum temperature departure is  $> 4.5^{\circ}\text{C}$  from normal. Heat Wave may be described provided maximum temperature  $\geq 37^{\circ}\text{C}$



Warm Night

When maximum temperature remains  $40^{\circ}\text{C}$

Warm Night: When minimum temperature departure  $4.5^{\circ}\text{C}$  to  $6.4^{\circ}\text{C}$ .

Severe Warm Night: When minimum temperature departure  $> 6.4^{\circ}\text{C}$ .



Cold Wave

When minimum temperature of a station  $\leq 10^{\circ}\text{C}$  for plains and  $\leq 0^{\circ}\text{C}$  for hilly regions.

(a). Based on departure

Cold Wave: Minimum Temperature Departure from normal  $-4.5^{\circ}\text{C}$  to  $-6.4^{\circ}\text{C}$ .

Severe Cold Wave: Minimum Temperature Departure from normal  $\geq -6.5^{\circ}\text{C}$

(b) Based on actual Minimum Temperature (for Plains only)

Cold Wave : When Minimum Temperature is  $\leq 4.0^{\circ}\text{C}$

Severe Cold Wave: When Minimum Temperature is  $\leq 2.0^{\circ}\text{C}$

(c) For Coastal Stations

When Minimum Temperature departure is  $\leq -4.5^{\circ}\text{C}$  or actual Minimum Temperature is  $\leq 15^{\circ}\text{C}$



Cold Day

When minimum temperature of a station  $\leq 10^{\circ}\text{C}$  for plains and  $\leq 0^{\circ}\text{C}$  for hilly regions

Based on departure

Cold Day: Maximum Temperature Departure from normal  $-4.5^{\circ}\text{C}$  to  $-6.4^{\circ}\text{C}$ .

Severe Cold Day: Maximum Temperature Departure from normal  $\leq -6.5^{\circ}\text{C}$



Fog

Phenomenon of small droplets suspended in air and the horizontal visibility  $< 1\text{km}$

Moderate Fog: When the visibility between 500-200 metres

Dense Fog: when the visibility between 50- 200 metres

Very Dense Fog: when the visibility  $< 50$  metres



Thunderstorm

Sudden electrical discharges manifested by a flash of light (Lightning) and a sharp rumbling sound (thunder)



Dust/Sand Storm

An ensemble of particles of dust or sand energetically lifted to great heights by a strong and turbulent wind.



Frost

Ice deposits on ground

Air temperature  $\leq 4^{\circ}\text{C}$  ( over Plains)



Squall

A strong wind that rises suddenly, lasts for atleast 1 minute.

Moderate: Wind speed 52-61 kmph

Severe: Wind speed 62-87 kmph

Very Severe: Wind speed  $> 87$  kmph



Sea State

Effect of various waves in the sea over specific area

Rough to very rough: Wind speed 41-62 kmph (22-33 knots) & Wave height 2.5-6 metre

High to very high: Wind speed 63-117 kmph ( 34-63 knots) & Wave height 6-14 metre

Phenomenal: Wind speed  $> 117$  kmph ( $> 63$  knots) & Wave height  $> 14$  metre



Cyclone

Cyclonic Storm: Wind speed 62-87 kmph (34-47 knots)

Severe Cyclonic Storm: Wind speed 88-117 kmph (48-63 knots)

Very Severe Cyclonic Storm: Wind speed 118-165 kmph (64 - 89 knots)

Extremely Severe Cyclonic Storm: Wind speed 166-220 kmph (90 -119 knots)

Super Cyclone Storm: Wind speed  $> 220$  kmph ( $> 119$  knots)

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