



**Government of India  
Ministry of Earth Sciences  
India Meteorological Department**

**Press Release  
Date: 04<sup>th</sup> September, 2023  
Time of Issue: 1330 hours IST**

**Subject:**

- (i) Active monsoon conditions likely to continue over Peninsular India, Odisha and Chhattisgarh during next 5 days.**
- (ii) Increase in rainfall activity with isolated heavy falls is very likely over Madhya Pradesh during 5<sup>th</sup> to 8<sup>th</sup> and over Gujarat on 7<sup>th</sup> & 8<sup>th</sup> September.**

**Weather observed during past 24 hours ending at 0830 hours IST of today (Annexure I):**

**Significant Weather features:**

- ❖ Yesterday's Cyclonic Circulation over Northeast Bay of Bengal & neighbourhood now lies over Northwest Bay of Bengal & neighbourhood and extends upto middle tropospheric level. Under its influence, **A Low Pressure Area** is likely to form over northwest & adjoining westcentral Bay of Bengal during next 24 hours.
- ❖ The western end of the Monsoon Trough at mean sea level continues to run along the foothills of the Himalayas. However, its eastern end lies south to its normal position.
- ❖ A trough runs from cyclonic circulation over Northwest Bay of Bengal to east Bihar and another from this cyclonic circulation to Telangana in lower tropospheric levels.

**Weather Forecast and Warnings: (Annexure II)**

**East India:** Light/moderate fairly widespread to widespread rainfall/thunderstorm & lightning with **isolated heavy rainfall** activity very likely over *Gangetic West Bengal on 04<sup>th</sup> & 05<sup>th</sup>; Odisha during 04<sup>th</sup>-07<sup>th</sup> and over Andaman & Nicobar Islands during 04<sup>th</sup>-08<sup>th</sup> September.*

**Isolated very heavy rainfall also likely over Andaman & Nicobar Islands and Bihar on 04<sup>th</sup> and over Odisha on 04<sup>th</sup> & 05<sup>th</sup> September.**

**South India:** Light/moderate fairly widespread to widespread rainfall with isolated **heavy rainfall** very likely over Coastal Andhra Pradesh & Yanam and Telangana during 04<sup>th</sup>-07<sup>th</sup>, over Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe during 04<sup>th</sup>-08<sup>th</sup>; over Rayalaseema on 04<sup>th</sup> & 05<sup>th</sup>; over North Interior Karnataka on 04<sup>th</sup>, 06<sup>th</sup> & 07<sup>th</sup>; over Coastal & South Interior Karnataka during 06<sup>th</sup>-08<sup>th</sup> and over South Interior Karnataka on 06<sup>th</sup> & 07<sup>th</sup> September.

**Isolated very heavy rainfall also likely over Coastal Andhra Pradesh, Telangana and Kerala & Mahe on 04<sup>th</sup> & 05<sup>th</sup> September.**

**Central India:** Light/moderate fairly widespread to widespread rainfall/thunderstorm & lightning with **isolated heavy rainfall** very likely over *Vidarbha* during 04<sup>th</sup>–08<sup>th</sup>; over *Chhattisgarh* during 04<sup>th</sup>–07<sup>th</sup>; over East Madhya Pradesh during 05<sup>th</sup>–08<sup>th</sup> and over West Madhya Pradesh during 06<sup>th</sup>–08<sup>th</sup> September. **Isolated very heavy rainfall also likely over Chhattisgarh on 04<sup>th</sup> & 05<sup>th</sup> and over Vidarbha on 05<sup>th</sup> & 06<sup>th</sup> September.**

**West India:** Light/moderate fairly widespread to widespread rainfall/thunderstorm & lightning with **isolated heavy rainfall** very likely over Marathwada during 04<sup>th</sup>–07<sup>th</sup> and over Konkan & Goa and Madhya Maharashtra during 06<sup>th</sup>–08<sup>th</sup> September and over Gujarat Region on 06<sup>th</sup> & 07<sup>th</sup> September.

**Northeast India:** Light/moderate scattered to fairly widespread rainfall/thunderstorm with **isolated heavy rainfall** activity very likely over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura on 07<sup>th</sup> & 08<sup>th</sup> September.

**Northwest India:** Light/moderate isolated to scattered rainfall/thunderstorm with **isolated heavy rainfall** activity very likely over East Uttar Pradesh on 06<sup>th</sup> and 07<sup>th</sup>; Uttarakhand and West Uttar Pradesh on 08<sup>th</sup> September.

For more details kindly refer:

[https://mausam.imd.gov.in/responsive/all\\_india\\_forecast\\_bulletin.php](https://mausam.imd.gov.in/responsive/all_india_forecast_bulletin.php)

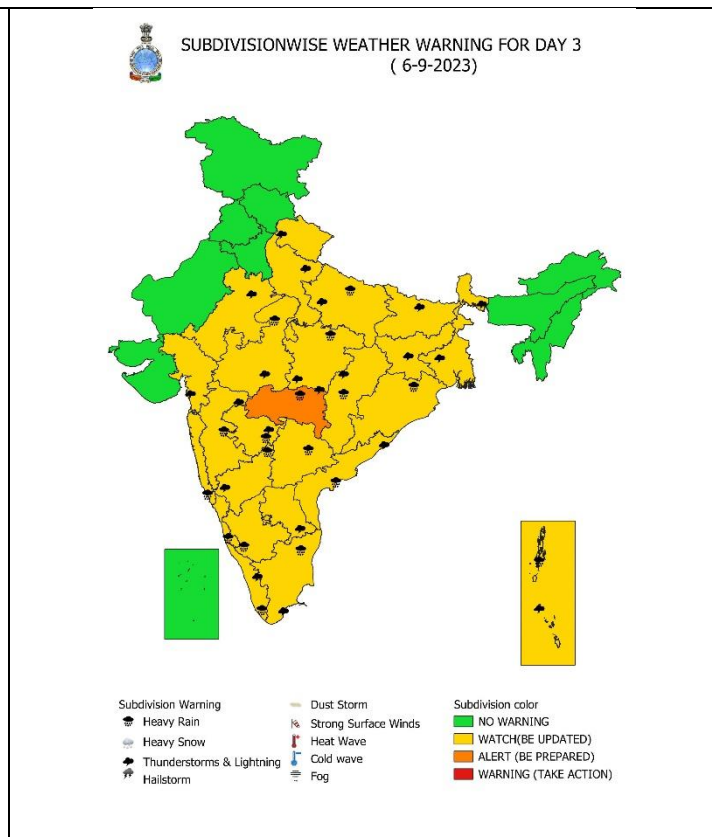
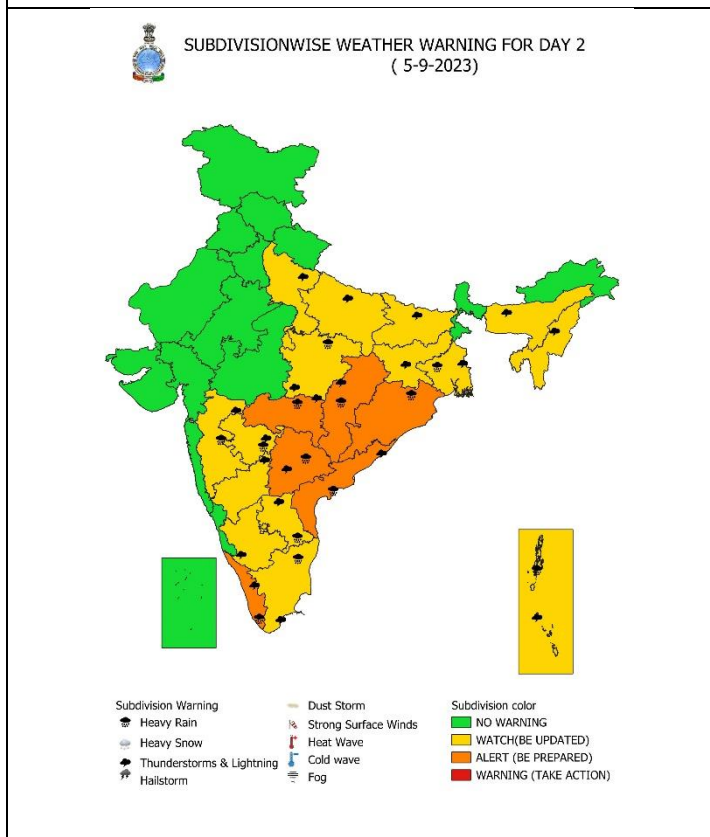
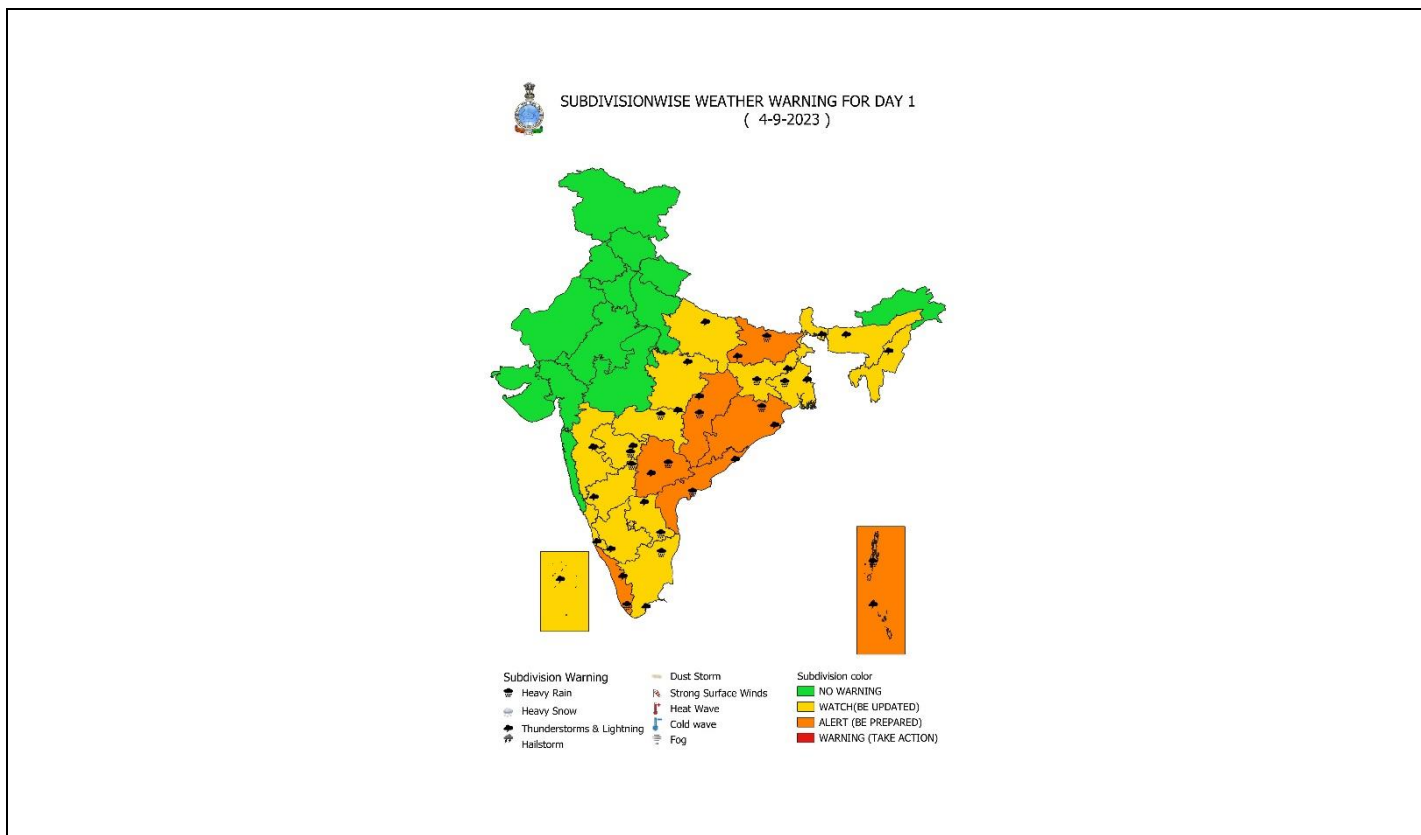
## Annexure I

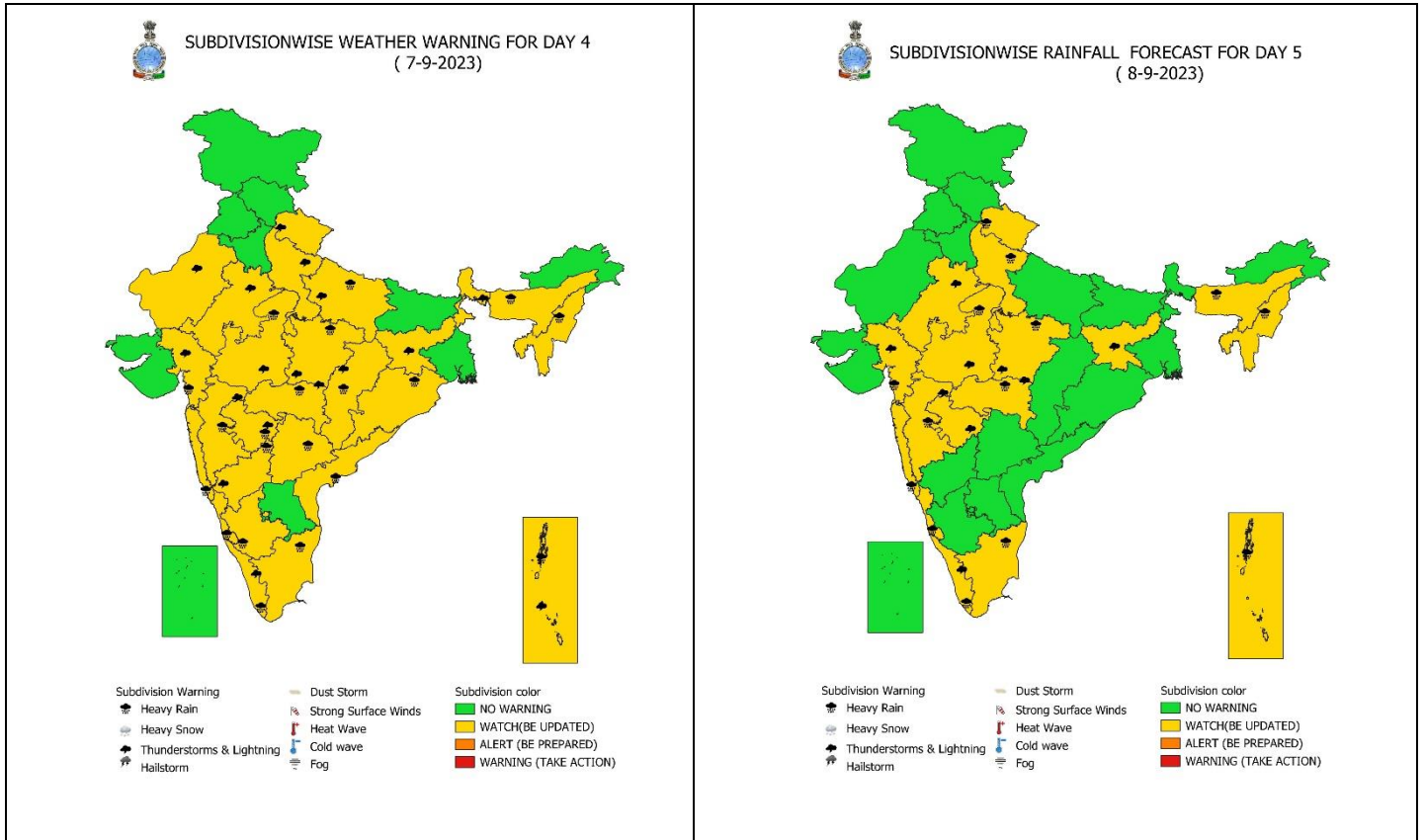
### Rainfall observations: (from 0830 hours IST of yesterday to 0830 hours IST of today, the 04<sup>th</sup> September, 2023):

- **Heavy to very heavy rainfall** at isolated places over Andaman & Nicobar Islands, Kerala & Mahe, Telangana, Gangetic West Bengal and Odisha and **heavy rainfall** at isolated places over Coastal Andhra Pradesh, Chhattisgarh, Vidarbha, Marathwada, Madhya Maharashtra, Rayalaseema, Jharkhand,
- **Significant rainfall recorded (in cm):**
  - ✓ **Andaman & Nicobar Islands:** Long Island- 20, Hutbay- 9, Mayabunder- 7, IAF Carnicobar- 6
  - ✓ **Kerala & Mahe:** Konni (dist Pathanamthitta) 15, Kunnathanam Aws (dist Pathanamthitta) 13, Mancompu (dist Alapuzha) 13, Kurudamannil (dist Pathanamthitta) 12, Thiruvalla Aws (dist Pathanamthitta) 11, Mavelikara (dist Alapuzha) 10, Alapuzha (dist Alapuzha) 10, Peermade To (dist Idukki) 10, Venkurinji Aws (dist Pathanamthitta) 9, Punalur (dist Kollam) 9, Kayamkulam (dist Alapuzha) 8, Thodupuzha (dist Idukki) 8, Kollam Rly (dist Kollam) 8, Koothattukulam Aws (dist Ernakulam) 7, Haripad (dist Alapuzha) 7;
  - ✓ **Telangana:** Dich Palle (dist Nizamabad) 15, Metpalle (dist Jagtial) 15, Mudhole (dist Nirmal) 13, Armur (dist Nizamabad) 13, Nirmal (dist Nirmal) 12, Gandhari (dist Kamareddy) 12, Jakranpalle (dist Nizamabad) 12, Khanpur (dist Nirmal) 11, Sadasivanagar (dist Kamareddy) 11, Ellanthukunta (dist Rajanna Sircilla) 11, Navipet (dist Nizamabad) 11, Sultanabad (dist Peddapalle) 11, Mudholebasar (dist Nirmal) 11, Mallapur (dist Jagtial) 11, Velpur (dist Nizamabad) 11, Kowdipalle (dist Medak) 10, Mortad (dist Nizamabad) 10, Karimnagar (dist Karimnagar) 10, Balkonda (dist Nizamabad) 10, Kathlapur (dist Jagtial) 10, Makloor (dist Nizamabad) 10, Banswada (dist Kamareddy) 9, Bheemgal (dist Nizamabad) 9, Sarangapur (dist Jagtial) 9, Nizamabad (dist Nizamabad) 9, Jaipur (dist Mancherial) 9, Kammar Palle (dist Nizamabad) 9, Peddapalle (dist Peddapalle) 9, Yellareddypeta (dist Rajanna Sircilla) 9, Ranjal (dist Nizamabad) 9, Kamareddy (dist Kamareddy) 9, Mutharam Mahadevpur (dist J. Bhupalpally) 8, Jukkal (dist Kamareddy) 8, Tadwai (dist Kamareddy) 8, Gambhiraopet (dist Rajanna Sircilla) 8, Madnur (dist Kamareddy) 8, Mustabad (dist Rajanna Sircilla) 8, Srirampur (dist Peddapalle) 8,

- Jannaram (dist Mancherial) 8, Laxmanchanda (dist Nirmal) 8, Boinpalle (dist Rajanna Sircilla) 8, Sirsilla (dist Rajanna Sircilla) 8, Dhar Palle (dist Nizamabad) 7;
- ✓ **Gangetic West Bengal:** Narajole- 14, Ghatal- 11 , Sagar Island- 10, Contai- 8, Tusuma- 8, Digha- 7, Sriniketan- 6, Labpur- 6, Uluberia- 5, Purihansa- 4, Haldia- 4, Dumdum-4, Salar- 4, Simulia-4
  - ✓ **Odisha:** Banki (dist Cuttack) 13, Gondia (dist Dhenkanal) 8, Bhograi (dist Balasore) 8, Banarpal (dist Angul) 7, Bijatala (dist Mayurbhanj) 7, Jajpur (dist Jajpur) 7, Golamunda (dist Kalahandi) 6, Balisankara (dist Sundargarh) 6, Bangamunda (dist Bolangir) 6, Hemgiri (dist Sundargarh) 6, Dharakote (dist Ganjam) 6, Narla (dist Kalahandi) 6, Binjharpur (dist Jajpur) 6,
  - ✓ **Coastal Andhra Pradesh:** Mundlamuru (dist Prakasam) 10, Addanki (dist Bapatla) 6;
  - ✓ **Chhattisgarh:** Bilha (dist Bilaspur) 10, Gharghoda (dist Raigarh) 9, Rajnandgaon (dist Rajnandgaon) 9, Durg (dist Durg) 9, Dongargaon (dist Rajnandgaon) 8, Mana-raipur-ap (dist Raipur) 7, Baramkela (dist Raigarh) 7;
  - ✓ **Vidarbha:** Ballarpur (dist Chandrapur) 9, Sironcha (dist Gadchiroli) 7, Bhamragad (dist Gadchiroli) 7;
  - ✓ **Marathwada:** Bhokar (dist Nanded) 9, Hadgaon (dist Nanded) 7;
  - ✓ **Madhya Maharashtra:** Jat (dist Sangli) 9, Sankh (dist Sangli) 6;
  - ✓ **Royalaseema:** Dharmavaram (dist Sri Sathyasai District) 8, Atmakur (dist Nandyal) 6;
  - ✓ **Jharkhand:** Panchet-8; Chas-8; Bandgaon-6; latehar-6; Panchet dvc-6;

**Obsy:** Observatory; **AWS:** Automatic Weather Station; **dist:** District; **NH:** National Highway; **KVK:** Krishi Vigyan Kendra; **DVC:** Damodar Valley Corporation





**Impact & Action Suggested due to very heavy rainfall over: Andaman & Nicobar Islands and Bihar on 4th; Odisha, Chhattisgarh, Coastal Andhra Pradesh & Yanam, Telangana and Kerala & Mahe on 4th & 5<sup>th</sup> and Vidarbha on 5<sup>th</sup> & 6<sup>th</sup> September.**

### A. Impact Expected

- ❖ Localized Flooding of roads, water logging in low lying areas and closure of underpasses mainly in urban areas of the above region.
- ❖ Occasional reduction in visibility due to heavy rainfall.
- ❖ Disruption of traffic in major cities due to water logging in roads leading to increased travel time.
- ❖ Minor damage to kutcha roads.
- ❖ Possibilities of damage to vulnerable structure.
- ❖ Localized Landslides/Mudslides in the hilly areas.
- ❖ Damage to horticulture and standing crops in some areas due to inundation.
- ❖ It may lead to riverine flooding in some river catchments (for riverine flooding please visit Web page of CWC).

### B. Action Suggested

- ❖ Check for traffic congestion on your route before leaving for your destination.
- ❖ Follow any traffic advisories that are issued in this regard.
- ❖ Avoid going to areas that face the water logging problems often.
- ❖ Avoid staying in vulnerable structure.

**Legends:**

- ❖ **Heavy Rain:** 64.5 to 115.5 mm; **Very Heavy Rain:** 115.6 to 204.4 mm; **Extremely Heavy Rain:** >204.4mm.
- ❖ **AWS:** Automatic Weather Station
- ❖ **Region wise classification of meteorological Sub-Divisions:**
  - **Northwest India:** Western Himalayan Region (Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh and Uttarakhand); Punjab, Haryana-Chandigarh-Delhi; West Uttar Pradesh, East Uttar Pradesh, West Rajasthan and East Rajasthan.
  - **Central India:** West Madhya Pradesh, East Madhya Pradesh, Vidarbha and Chhattisgarh.
  - **East India:** Bihar, Jharkhand, Sub-Himalaya West Bengal & Sikkim; Gangetic West Bengal, Odisha and Andaman & Nicobar Islands.
  - **Northeast India:** Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
  - **West India:** Gujarat Region, Saurashtra & Kutch, Konkan & Goa, Madhya Maharashtra and Marathwada.
  - **South India:** Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Coastal Karnataka, North Interior Karnataka, South Interior Karnataka, Kerala & Mahe, Tamil Nadu, Puducherry & Karaikal and Lakshadweep.

<b>SPATIAL DISTRIBUTION</b> (% 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)

Subdivision Warning	Dust Storm	Subdivision color
Heavy Rain	Strong Surface Winds	NO WARNING
Heavy Snow	Heat Wave	WATCH(BE UPDATED)
Thunderstorms & Lightning	Cold wave	ALERT (BE PREPARED)
Hailstorm	Fog	WARNING (TAKE ACTION)

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

<b>Flash Flood Risk</b>	
	High Risk (Take Action)
	Moderate Risk (Be Prepared)
	Low Risk (Be Updated)