

The Disaster Center is dedicated to the idea that disaster mitigation is cost effective and individuals pursuing their own interest are the greatest potential force for disaster reduction.

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When disaster mitigation is cost effective, we are on the road to bringing disasters to an end.



# **FEMA**

## **Daily Operations Briefing**

**Monday, July 17, 2017**

**8:30 a.m. EDT**

# Significant Activity – July 14 -17



**Significant Events:** None

**Tropical Activity:**

- Atlantic – Disturbance 1 – Medium (40%); Disturbance 2 – Low (10%)
- Eastern Pacific – Hurricane Fernanda (CAT 3); Disturbance 1 – High (70%); Disturbance 2 – Medium (50%); Disturbance 3 – Low (near 0%)
- Central Pacific – No tropical cyclones expected next 48 hours
- Western Pacific – No activity affecting U.S. interests

**Significant Weather:**

- Slight Risk of Severe Thunderstorms – Northern Plains, Upper Mississippi Valley, Mid-Atlantic, and Northeast
- Flash Flooding possible – Southwest and the Northeast
- Elevated to critical fire weather conditions – Central Great Basin, Northern Intermountain, and Northern Rockies
- Isolated Dry Thunderstorms – NV, UT, CO, WY, MT, ID
- Space Weather – Past 24 hours: Moderate, geomagnetic storms reaching G2 level occurred; next 24 hours: minor, geomagnetic storms reaching G1 level expected

**Earthquake Activity:** No significant activity

**Declaration Activity:** Major Disaster Declaration Request – Nebraska

# Tropical Outlook – Atlantic

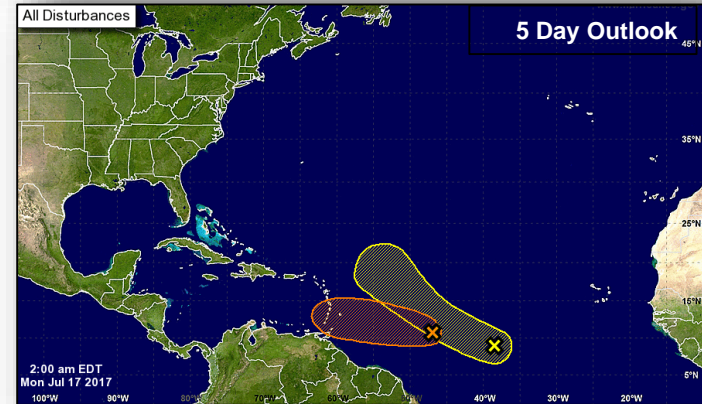
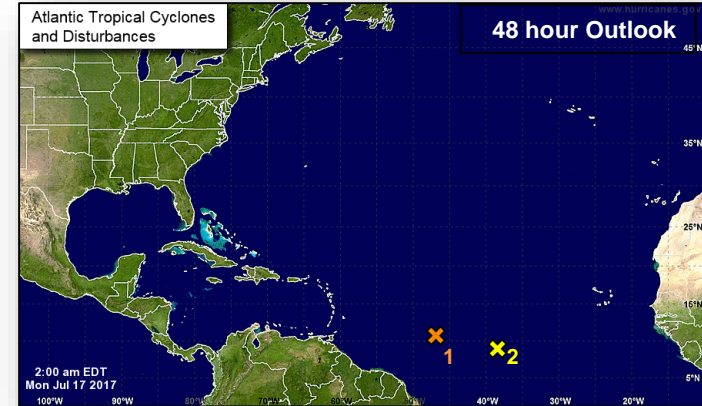


## Disturbance 1 (as of 2:00 a.m. EDT)

- Located 800 miles E of the Windward Islands moving W at 15 mph
- Marginally conducive for some development
- Air Force reconnaissance aircraft scheduled to investigate this afternoon, if necessary
- Formation chance through 48 hours: Medium (40%)
- Formation chance through 5 days: Medium (50%)

## Disturbance 2 (as of 2:00 a.m. EDT)

- Located several hundred miles WSW of the Cape Verde Islands
- Some development is possible over the next few days
- Formation chance through 48 hours: Low (10%)
- Formation chance through 5 days: Low (20%)



# Tropical Outlook – Eastern Pacific



## Hurricane Fernanda (CAT 3) (Advisory #22 as of 5:00 a.m. EDT)

- Located 1,475 miles WSW of southern tip of Baja California, Mexico
- Maximum sustained winds 120 mph
- Moving WNW at 12 mph
- Based on current advisory, there are no threats to U.S. interests

## Disturbance 1 (as of 2:00 a.m. EDT)

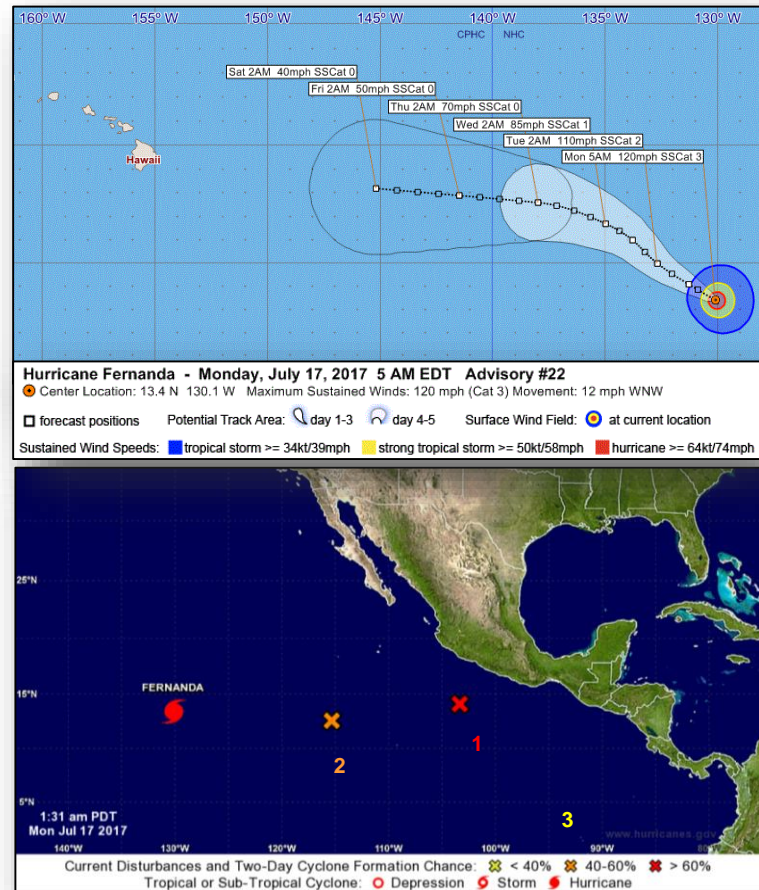
- Located 350 miles S of Manzanillo, Mexico moving WNW at 5-10 mph
- Likely to become tropical depression next couple of days
- Formation chance through 48 hours: High (70%)
- Formation chance through 5 days: High (80%)

## Disturbance 2 (as of 2:00 a.m. EDT)

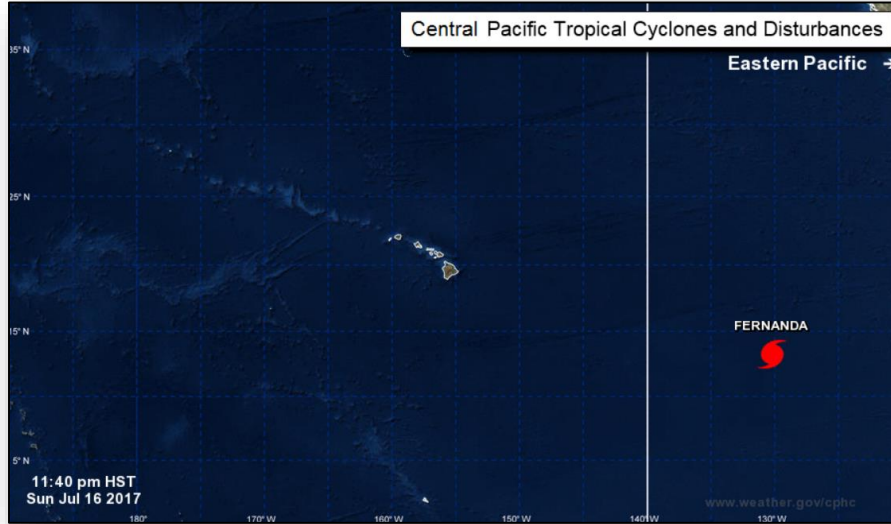
- Located 850 miles SSW of the southern tip of Baja peninsula, Mexico
- Potential to become a tropical depression in the next day or two
- Formation chance through 48 hours: Medium (50%)
- Formation chance through 5 days: Medium (50%)

## Disturbance 3 (as of 2:00 a.m. EDT)

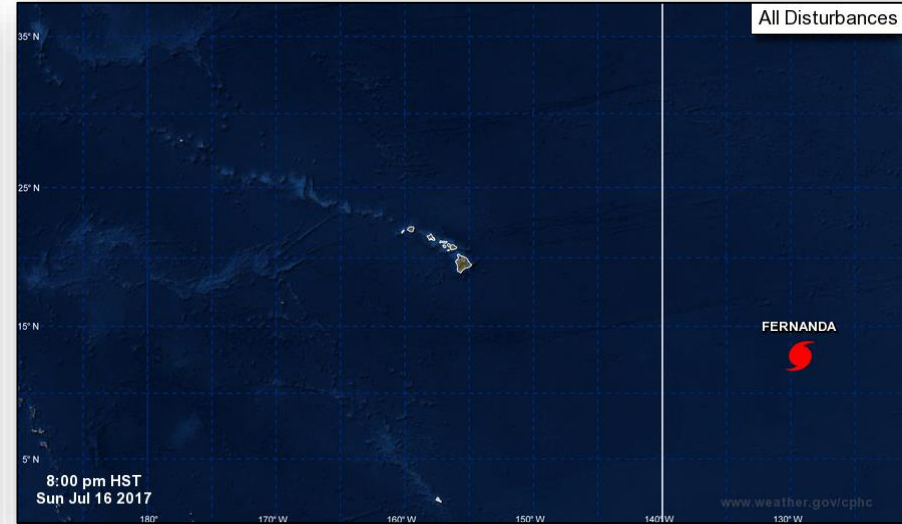
- Far eastern Pacific Ocean, south of Mexico
- Formation chance through 48 hours: Low (near 0%)
- Formation chance through 5 days: Low (20%)



# Tropical Outlook – Central Pacific



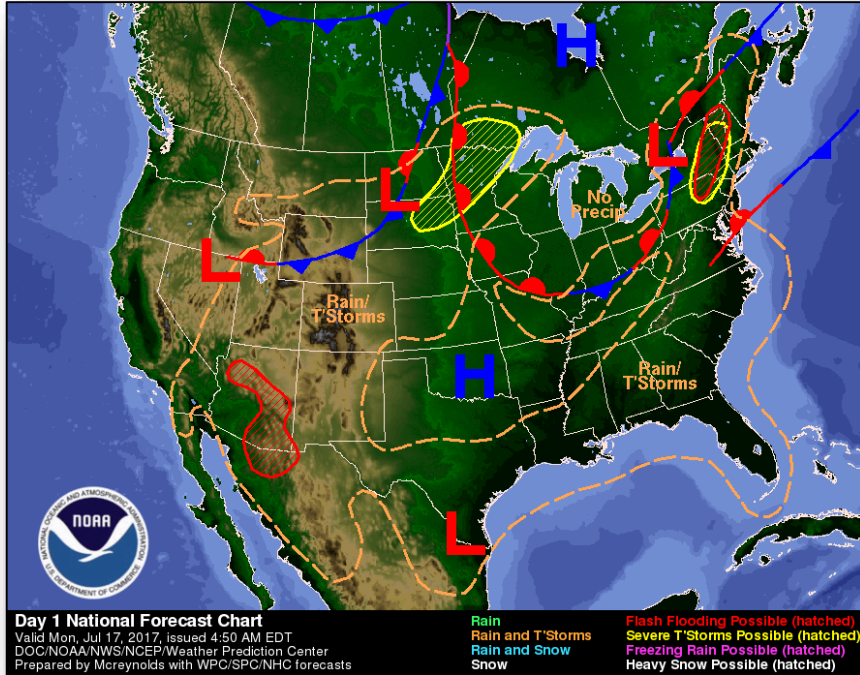
**48 Hour Outlook**



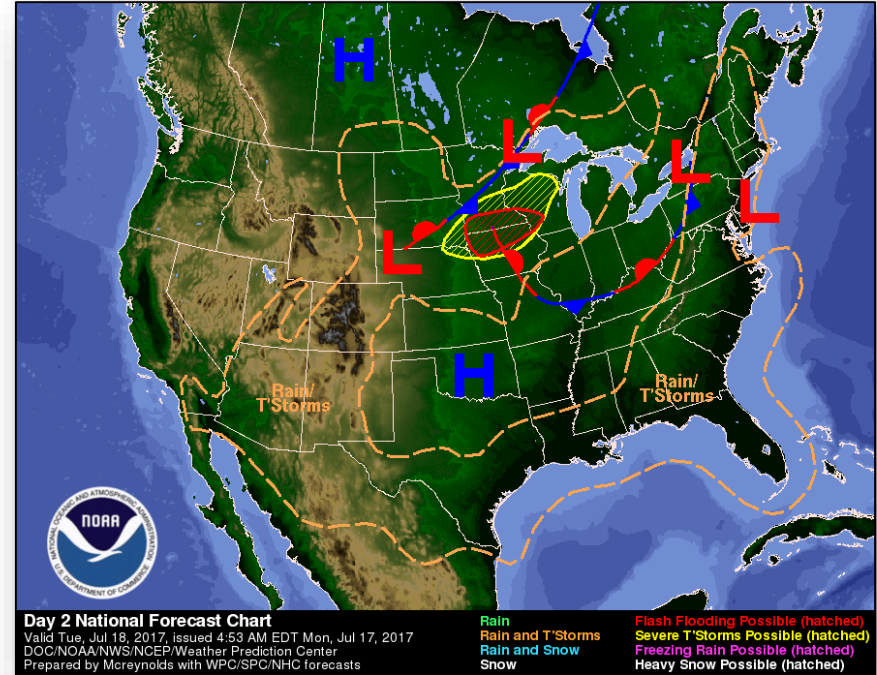
**5 Day Outlook**



# National Weather Forecast

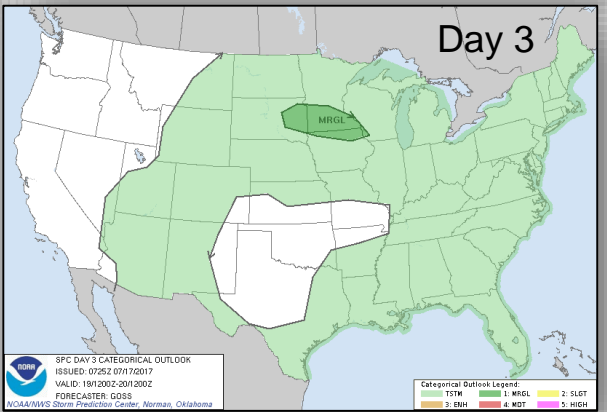
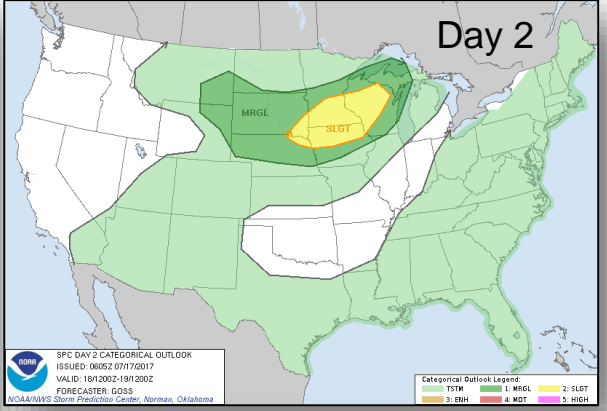
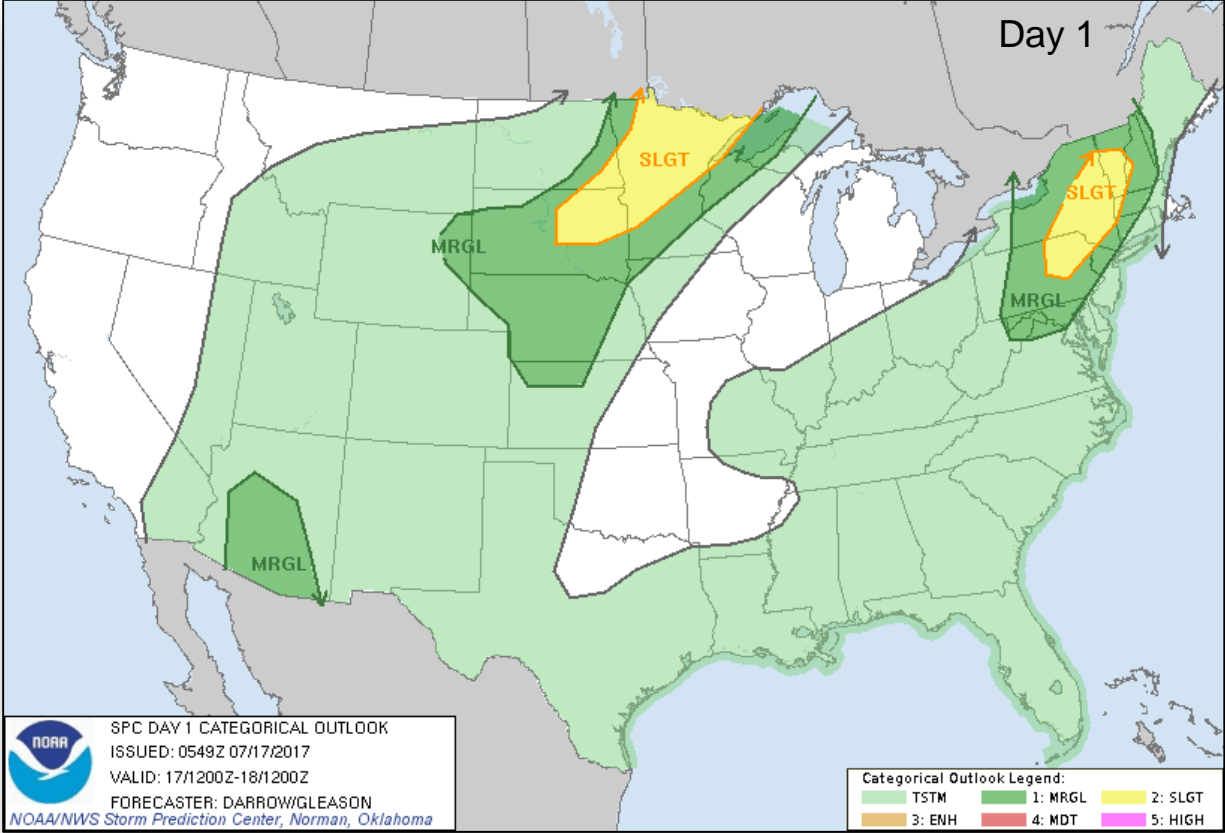


*Today*



*Tomorrow*

# Severe Weather Outlook – Days 1-3

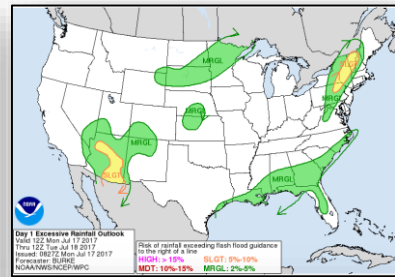
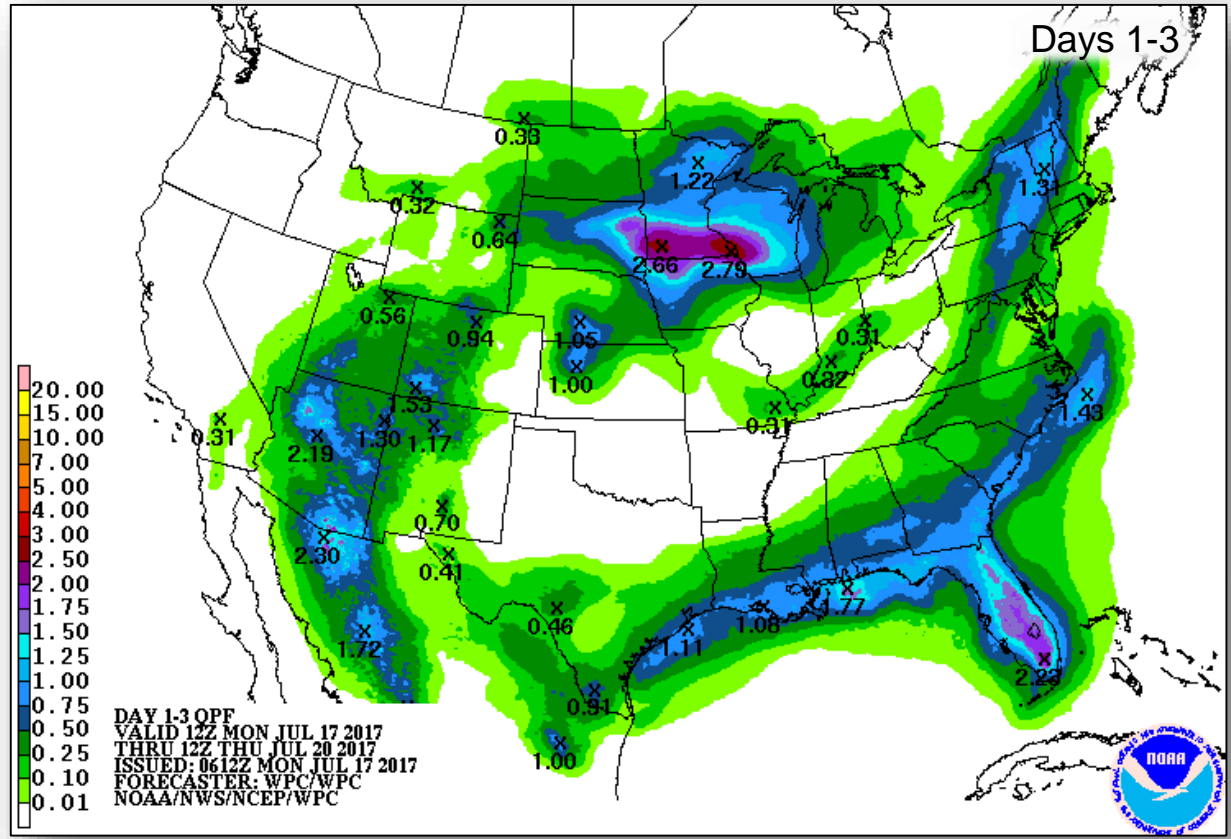




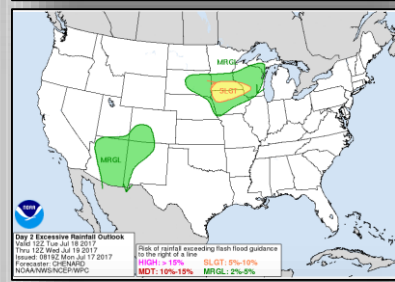
# Precipitation Forecast / Flash Flood Risk



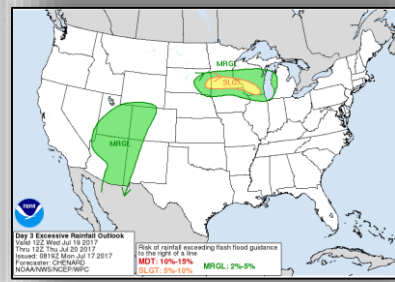
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Day 1

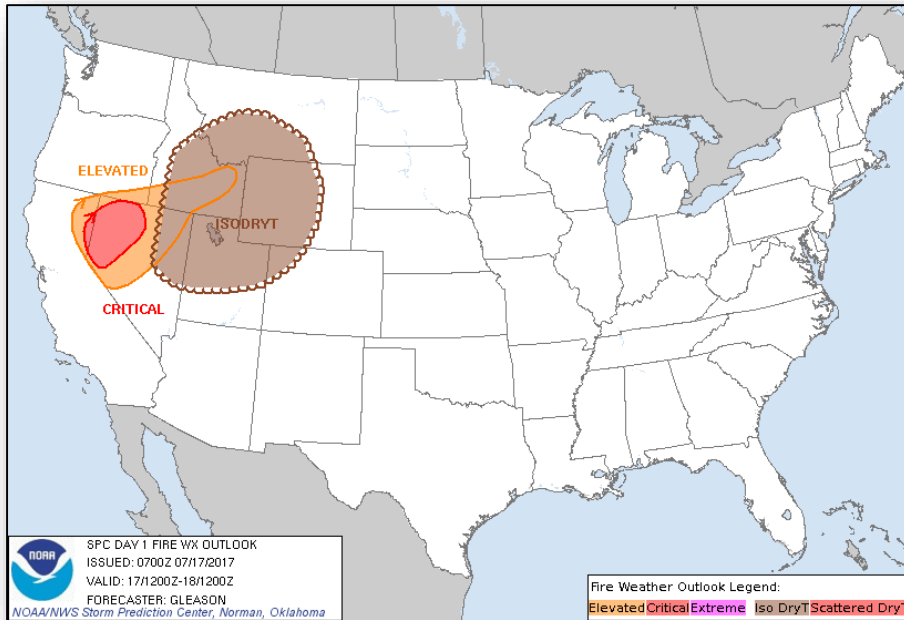


Day 2

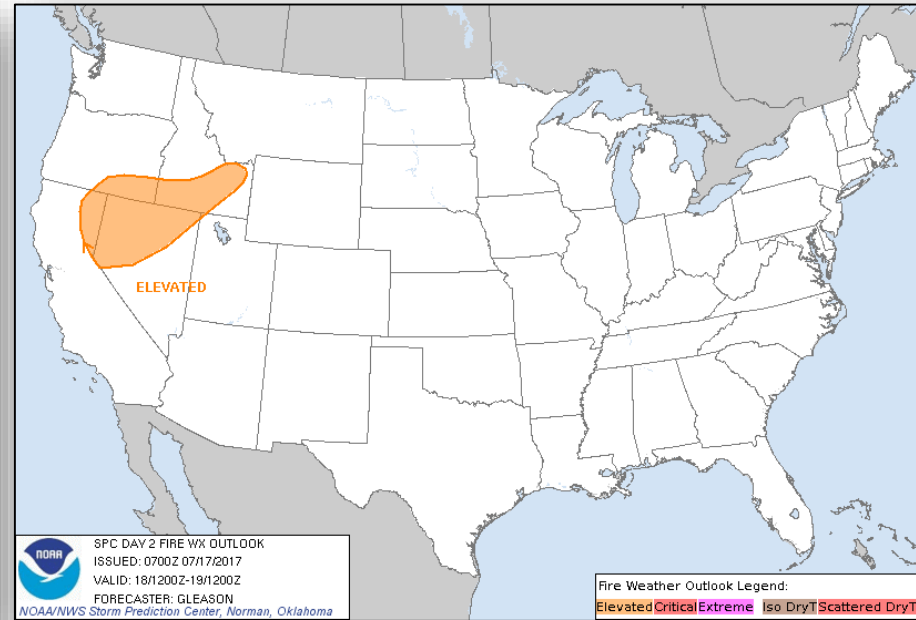


Day 3

# Fire Weather Outlook

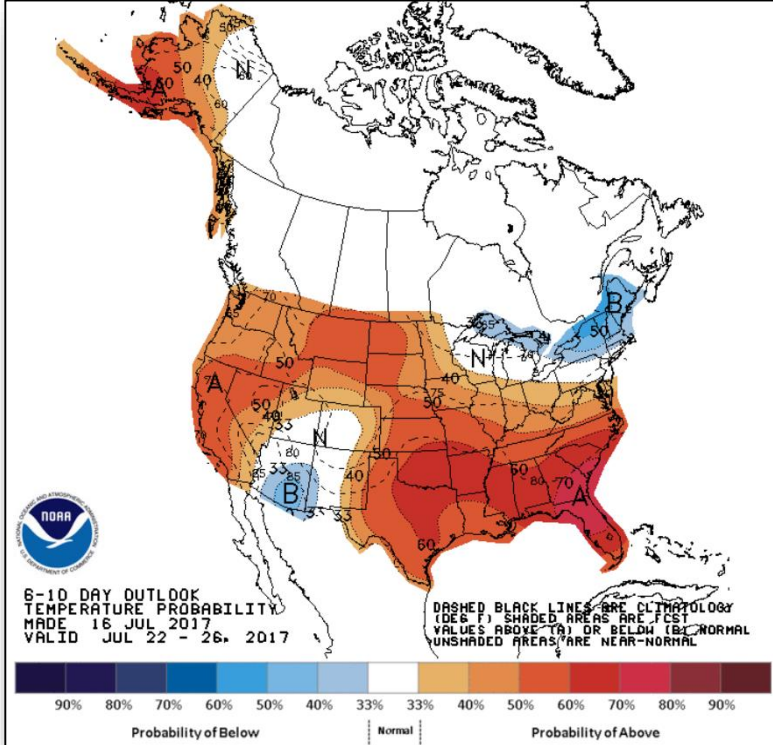


**Today**

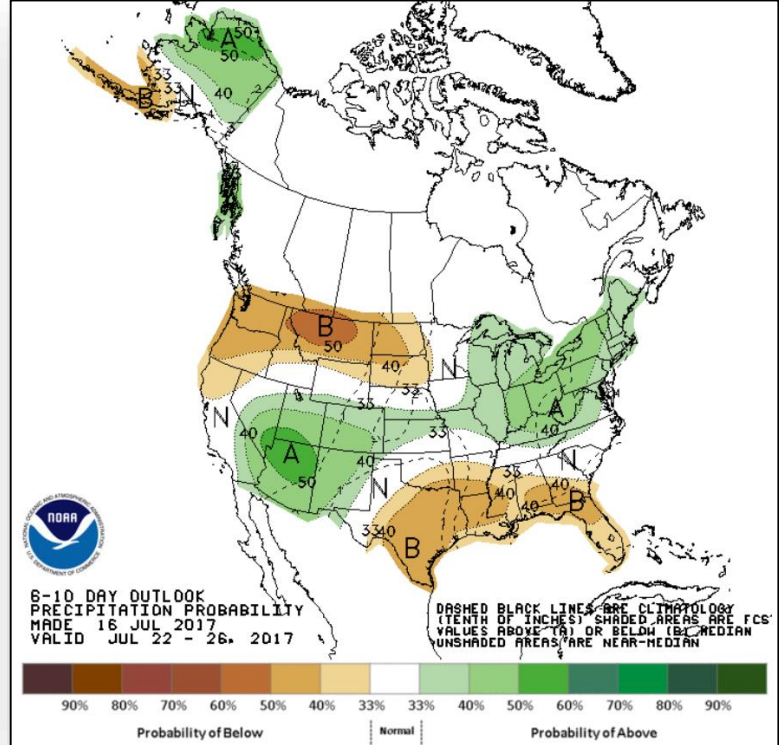


**Tomorrow**

# 6-10 Day Outlooks



**6-10 Day Temperature Probability**



**6-10 Day Precipitation Probability**

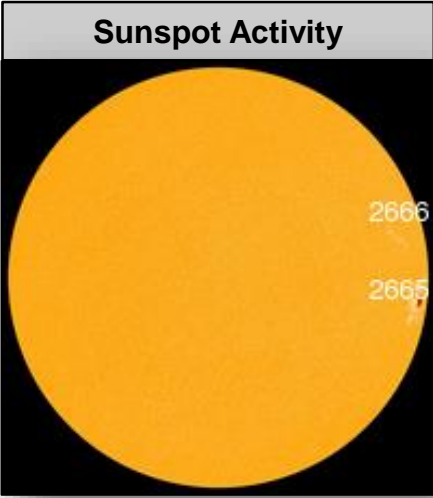
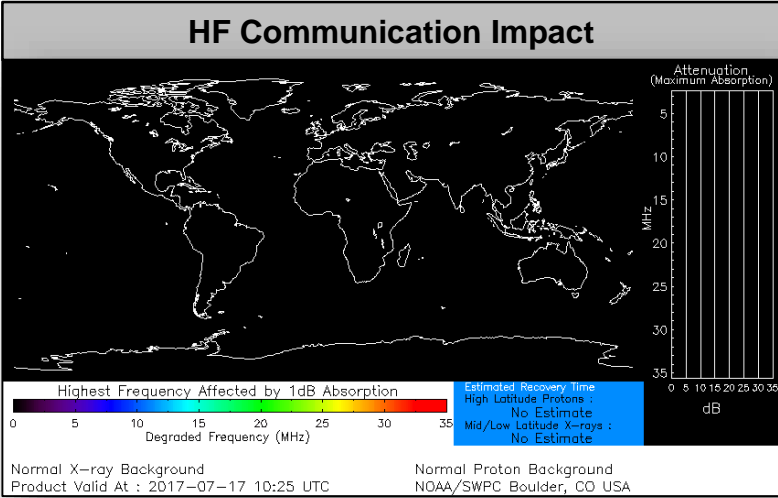
# Space Weather



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	Space Weather Activity	Geomagnetic Storms	Solar Radiation	Radio Blackouts
Past 24 Hours	Moderate	G2	None	None
Next 24 Hours	Minor	G1	None	None

For further information on NOAA Space Weather Scales refer to <http://www.swpc.noaa.gov/noaa-scales-explanation>

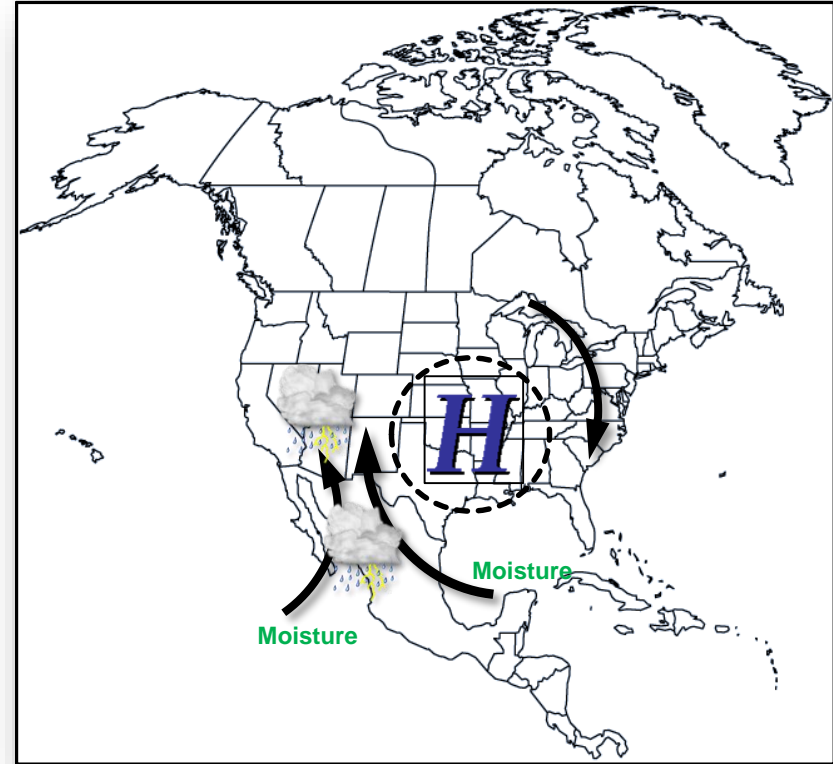


# North American Monsoon

**Definition:** Large scale weather pattern that causes summer thunderstorms to develop

**Monsoon Season:** *June 15 – September 30*

- Moisture transported northward from Gulf of Mexico and eastern Pacific due to a reversal in wind patterns
- Results in a distinct “rainy season” over western North America that can develop quickly and produce heavy to intense rainfall
- Location of high pressure (labeled as “H” on map) is one of the main factors that determines where greatest potential for thunderstorms may develop



# North American Monsoon

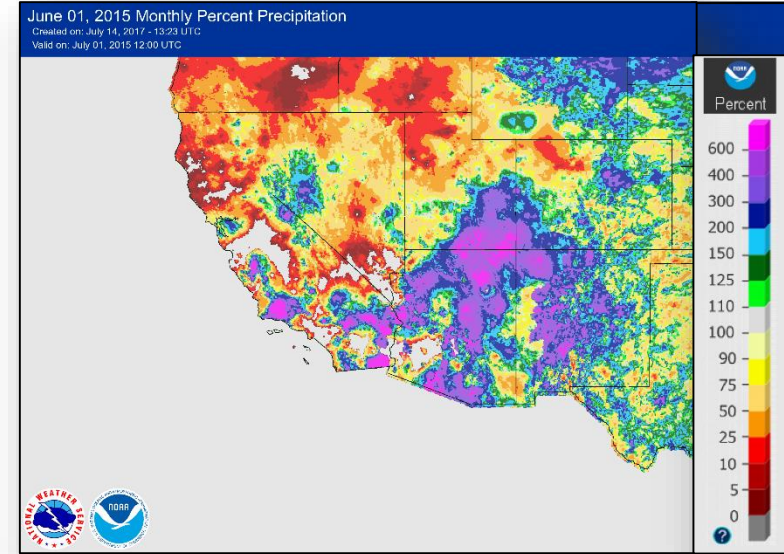
## Typical Monsoon Season:

Rainfall is not continuous over space or time:

- Varies considerably and usually comes in distinct “burst” periods of heavy rain
- Accounts for over 50% of annual precipitation in northwest Mexico and Southwest U.S.

## Associated Hazards:

- Deadly, unexpected lightning
- Local damaging straight-line winds (100+ mph)
- Flash floods, especially at low water crossings
- Excessive heat (higher humidity and hot temps)



June 2015 Percent of Normal Precipitation graphic demonstrates spatial nature of monsoonal bursts

Cooler colors indicate above-normal precipitation  
Warmer colors indicate below-normal precipitation



# Joint Preliminary Damage Assessments



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Region	State / Location	Event	IA/PA	Number of Counties		Start – End
				Requested	Completed	
I	New Hampshire	Severe Weather Jun 30 – Jul 1, 2017	IA	0	0	N/A
			PA	1	0	Jul 6 – TBD
	Vermont	Severe Weather Jun 30 – Jul 1, 2017	IA	0	0	N/A
			PA	8 (+1)	0	Jul 12 – TBD

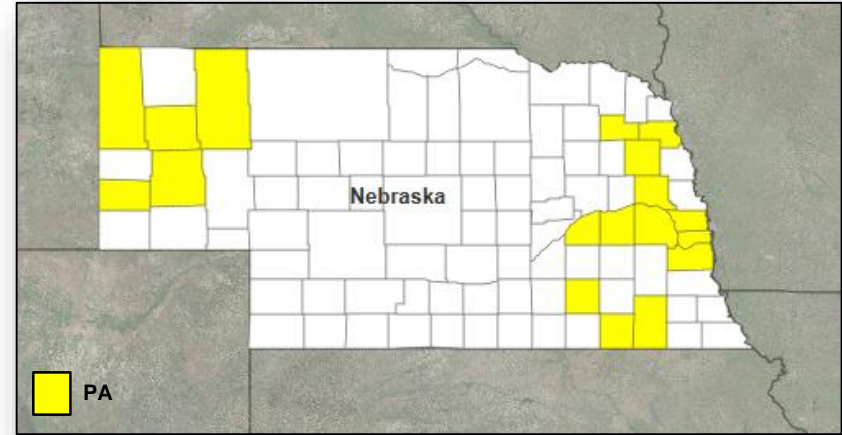
# Declaration Request



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## **Nebraska**

- Governor requested a Major Disaster Declaration on July 13, 2017
- For severe storms, tornadoes, and straight-line winds that occurred June 12-17, 2017
- Requesting:
  - Public Assistance for 18 counties
  - Hazard Mitigation statewide



# Disaster Requests & Declarations



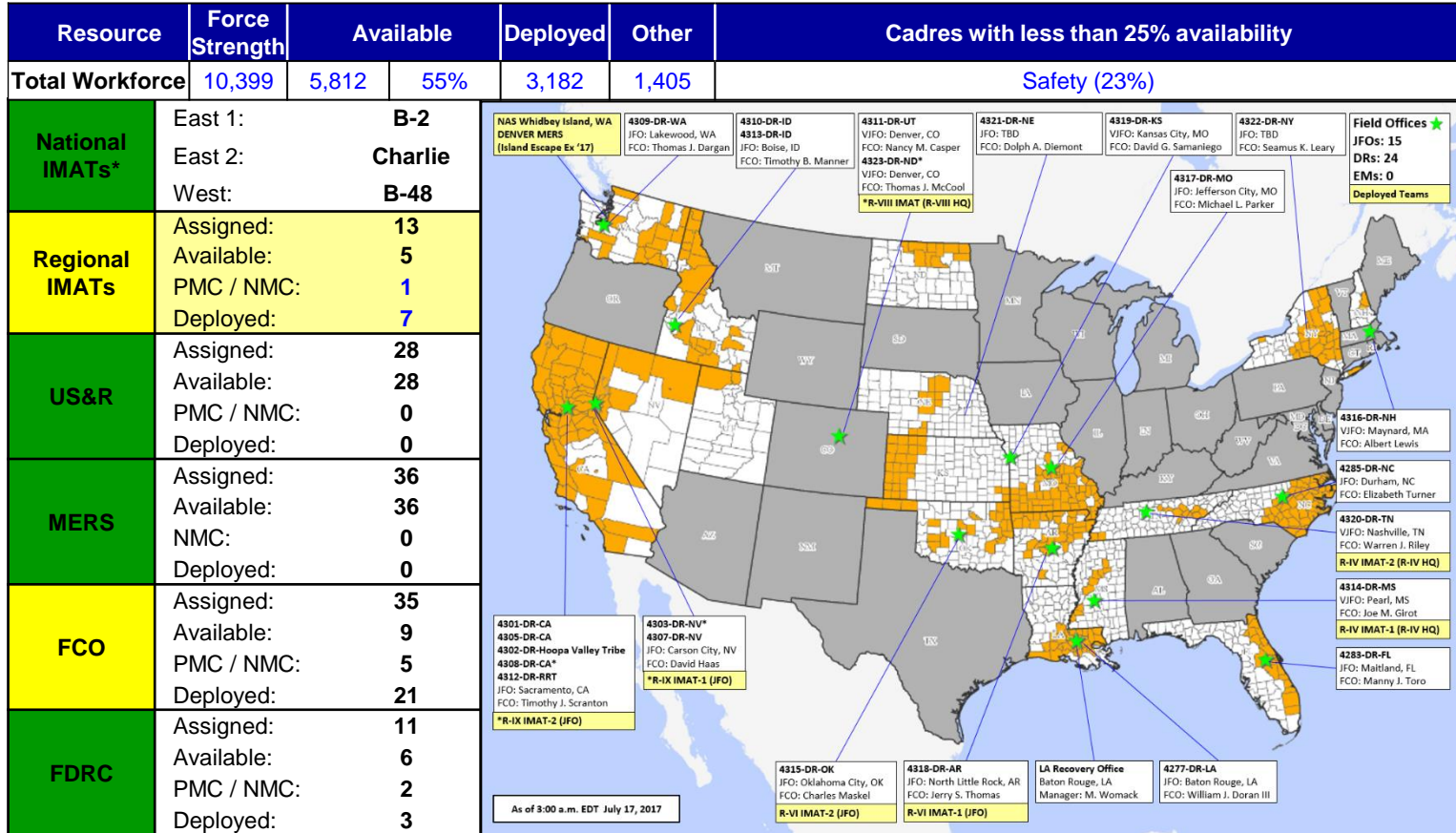
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Declaration Requests in Process		Requests APPROVED (since last report)	Requests DENIED (since last report)
<b>5</b>	<b>Date Requested</b>	<b>0</b>	<b>0</b>
OR – DR (Appeal) Severe Winter Storm	June 9, 2017		
OK – DR Severe Storms, Tornadoes, Straight-line Winds, and Flooding	July 6, 2017		
NY – DR (Expedited) DR Flooding	July 10, 2017		
WY – DR Flooding	July 10, 2017		
NE – DR Severe Storms, Tornadoes, and Straight-line Winds	July 13, 2017		

# Readiness – Deployable Teams and Assets



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\*B-2 Status: Assemble ≤ 2-hrs, On Site ≤ 18-hrs; B-48 Status: Assemble and deploy ≤ 48hrs; Charlie Status: No team assemble time requirement

# FEMA Readiness – Activation Teams



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Resource	Status	Total	Status	Activated Team	Activation Level	Activation Times	Reason/Comments
NWC		5	Not Activated				
NRCC		2	Not Activated				NRCS Gold Team – July primary
HLT		1	Activated				Hurricane Season
RWCs/MOCs		10	Not Activated				
RRCCs		10	Activated	Region VIII	Level III	Day shift only	Supporting 4323-DR-ND

**Back-up Regions (July 17-23): I, II, and III**



# FEMA

**FEMA's mission is to support our citizens and first responders to ensure that as a nation we work together to build, sustain, and improve our capability to prepare for, protect against, respond to, recover from, and mitigate all hazards.**