

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**

**Thursday, December 31, 2015**

**8:30 a.m. EST**

# Significant Activity: Dec 30 - 31



## **Significant Events:**

- Flooding – Central U.S

## **Significant Weather:**

- Flash flooding – Southeastern U.S and Central Gulf Coast
- Freezing rain possible – Texas
- Snowfall – Rockies, Great Lakes, and New England
- Red Flag Warnings: None; Elevated Fire Weather conditions: None
- Space Weather: Past 24 hours – No space weather storms were observed ; Next 24 hours – Minor geomagnetic storms reaching G1 Level are likely

**Declaration Activity:** None

# Flooding – Central U.S



## Situation:

Heavy precipitation this past weekend into Monday caused significant flash and areal flooding from the southern Great Plains into the Mid-Mississippi and western Ohio River Valleys.

The latest NWS forecasts indicate no significant, widespread precipitation over the next seven days (through next Monday) across northeast TX to the Mid-Mississippi River Valley.

## Impacts:

### Region V

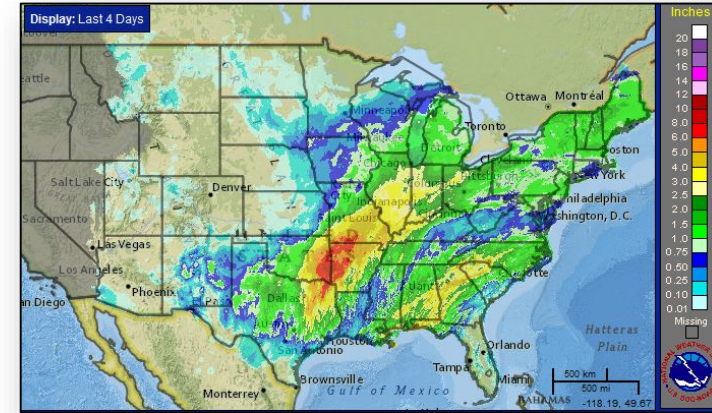
- Only minimal power outages remain
- IL 8 (+1) confirmed fatalities – Flash Flooding (traffic)
- Approx. 400 residents were evacuated, due to flooding in Madison Co
- Some water treatment centers flooded in IL
- 1 Correctional Facility evacuated in IL

### Region VI

- 11 total (8 confirmed, 3 unconfirmed) –Tornadoes in TX
- OK power outages: 17k (-11k) customer outages (peak 89k) (as of 7:30am EST)\*
- Some hospitals/nursing homes in Southwest OK on generator power
- 5 confirmed, storm related fatalities reported in OK

### Region VII

- Mandatory evacuations for levee protected areas at the lower end of Valley Park, MO (pop 7k)
- Voluntary evacuations for West Alton (pop 522) and Allenville (Cape Girardeau Co, MO) (pop 116)
- Lily Lake Dam, MO (private) at Mountain Grove partially breached; mandatory evacuation 100 residents
  - Open source media reporting Lily Lake receding, no longer in danger of breaching
- MO 14 (+1) confirmed fatalities – Flash Flooding
- 184 minor / 5 major roads have closed due to flooding



Precipitation: Last 4-Days (Sat– Tue)

\*Customer outage data is provided by the Department of Energy's EAGLE-I system. Comprehensive National coverage of all electrical service providers is not available.

# Flooding – Response



## **States:**

### Region IV

- LA Governor declared State of Emergency (5 parishes)
- GA Governor declared State of Emergency (3 Counties)
- AL Governor declared State of Emergency (all counties)
- AL EOC at Monitoring

### Region V

- IL Governor declared State of Emergency (12 Counties)
- IL EOC remains at Level III (Partial Activation)
- IL 6(-2) shelter open w/57 (-29) occupants (ESF-6 as of 6:35 a.m. EST)

### Region VI

- TX Governor declared State of Emergency for 4 counties
- OK Governor extended a State of Emergency
- TX & OK EOCs remain at (Partial Activation)
- TX 5 shelters open w/47 (-45) occupants (ESF-6 as of 6:35 a.m. EST)
- OK 9 (+2) shelter open w/40 (+20) occupants (ESF-6 as of 6:35 a.m. EST)
- National Guard personnel: 6 in AR, 54 in OK

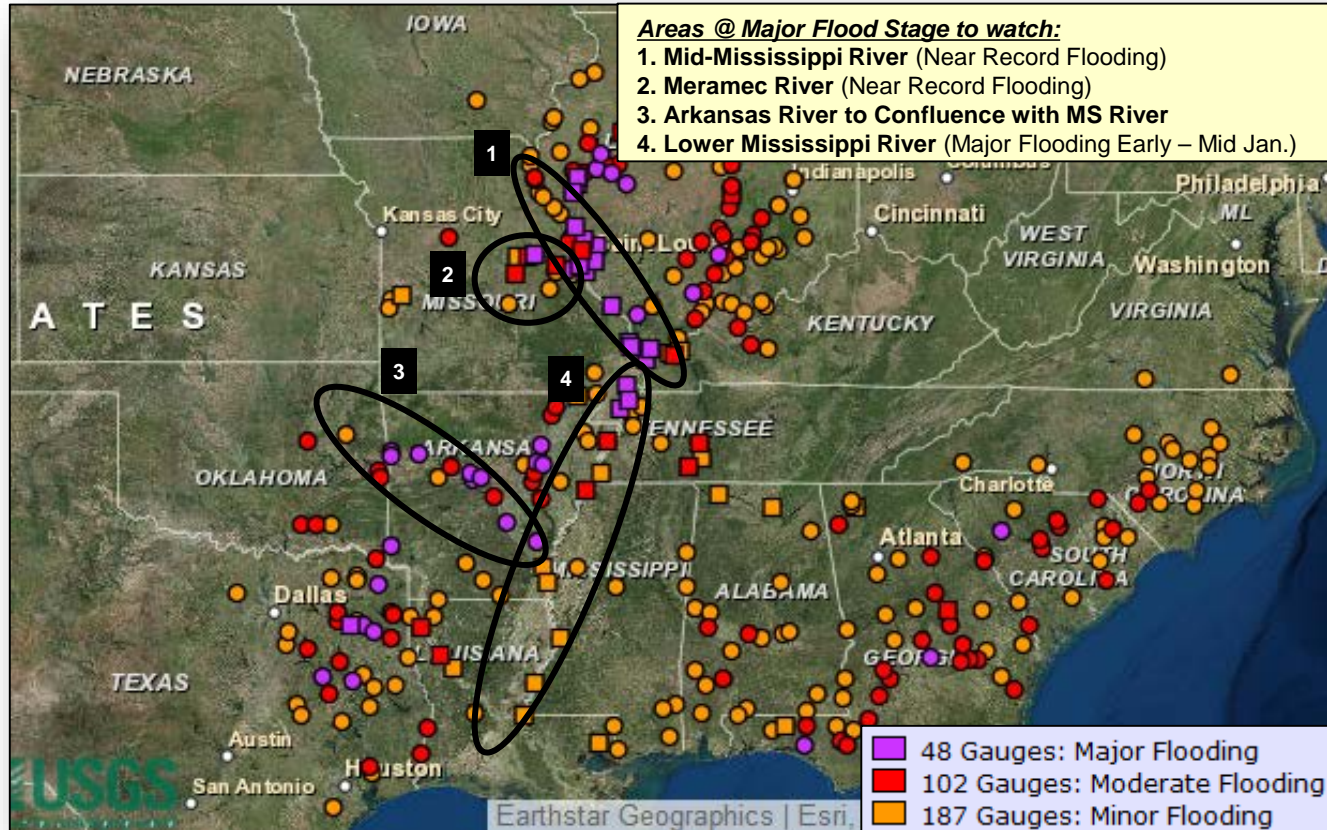
### Region VII

- MO Governor declared a State of Emergency
- MO EOC activated to Full Activation
- MO 10 (+1) shelters open w/72 (+2) occupants (ESF-6 as of 6:35 a.m. EST)

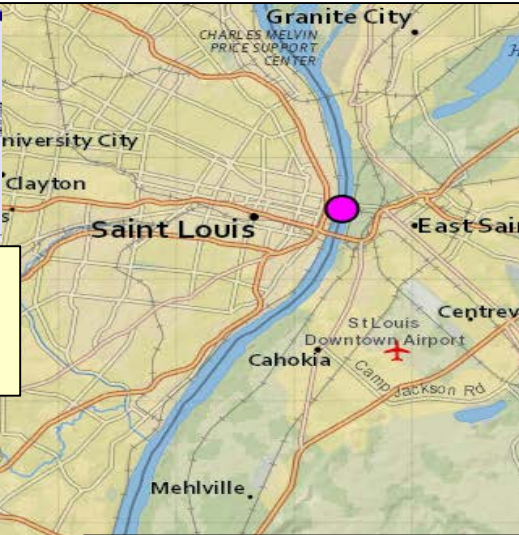
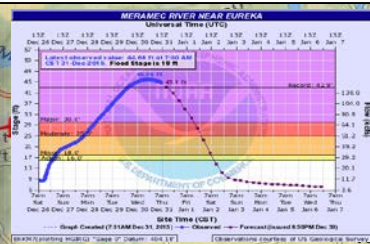
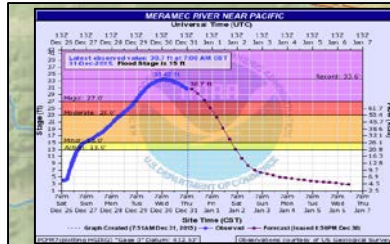
## **FEMA:**

- Region V RWC at Enhanced Watch (Day Shift)
- Region VI RRCC activated to Level III (Day Shift); RWC at Enhanced Watch (Night Shift)
- Region VI LNOs deployed to NM, TX, OK & AR
- Region VII RRCC activated to Level III (24/7)
- Region VII LNO deployed to MO
- ISB Team (6 person) deployed to Norman, OK - 30 generators staging in Norman, OK

# River Flood Forecast – National



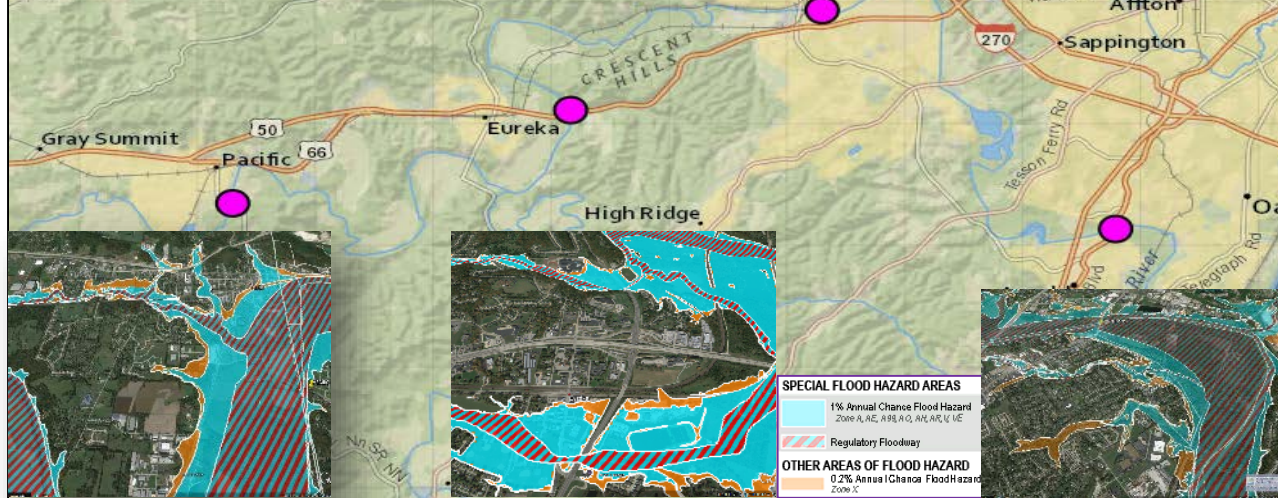
# Meramec River



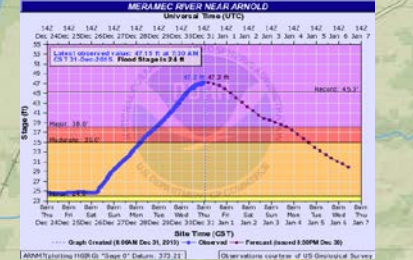
**Meramec River near Pacific, MO**  
Observed Peak: 33.4' Record: 33.6'  
At 31.5':  
Hwy access from the south is closed  
**120 Housing units potentially impacted**  
along with some businesses and parks

**Meramec River near Eureka, MO**  
Observed Peak: 46.1' Record: 42.9'  
At 45.3':  
Residential and small businesses are flooded near the river along with highway closures along the river.

**Meramec River near Valley Park, MO**  
Forecast Peak: 43.9' Record: 39.7'  
At 44':  
Main impact to the area are road closures to include highways. Some flooding to businesses and residences may occur.



**Meramec River near Arnold, MO**  
Forecast Peak: 47.2' Record: 45.3'  
At 47':  
Residential flooding in the town Arnold occur.



**SPECIAL FLOOD HAZARD AREAS**

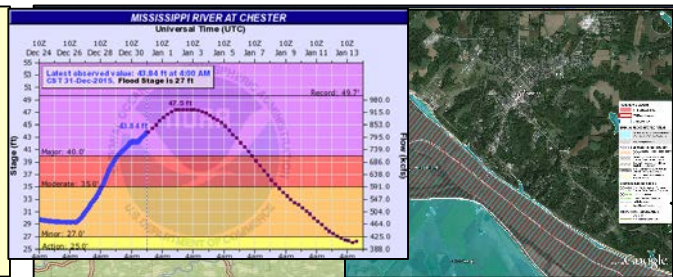
- 1% Annual Chance Flood Hazard  
Zone A, AE, A99, A0, AH, AR, V, VE
- Regulatory Floodway

**OTHER AREAS OF FLOOD HAZARD**

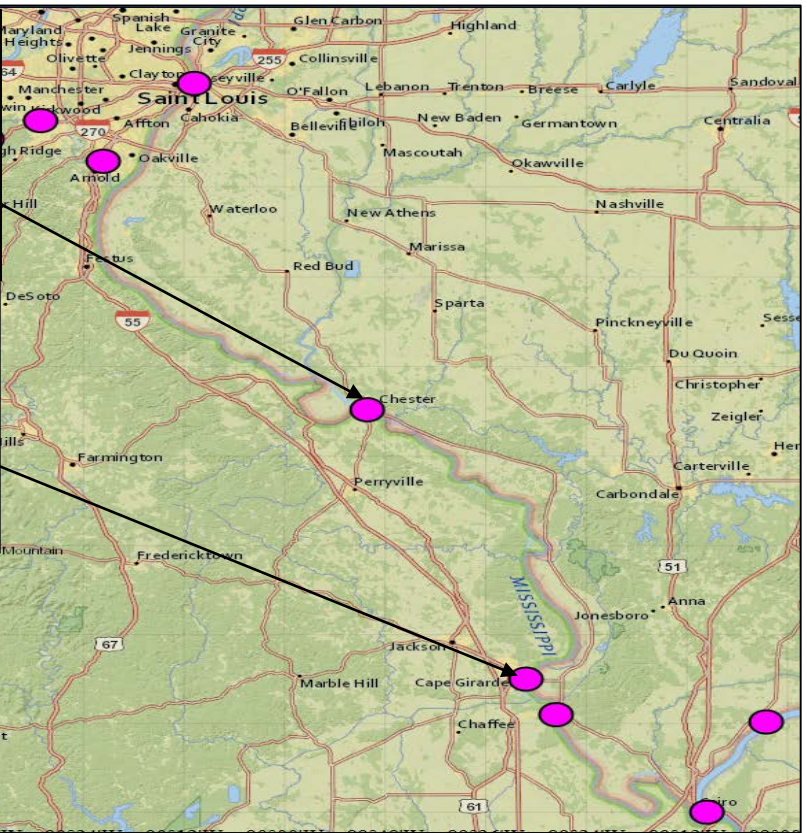
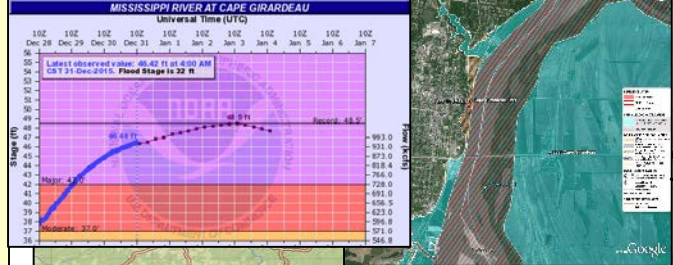
- 0.2% Annual Chance Flood Hazard Zone X

# Mississippi River

**Mississippi River:**  
**1. Chester Gauge – Forecast Peak 47.5’ (Record 49.7)**  
 - Levees begin to overtop; railroad tracks & Baldwin Water Treatment Plant are flooded. Hwy 155 & Hwy 51 are closed. **41 Housing units potentially impacted.**



**Mississippi River:**  
**2. Cape Girardeau Gauge – Forecast Peak 48.5 (Record 48.5)**  
 - Several homes and structures in Cape Girardeau County become inundated or cut off due to backwater flooding

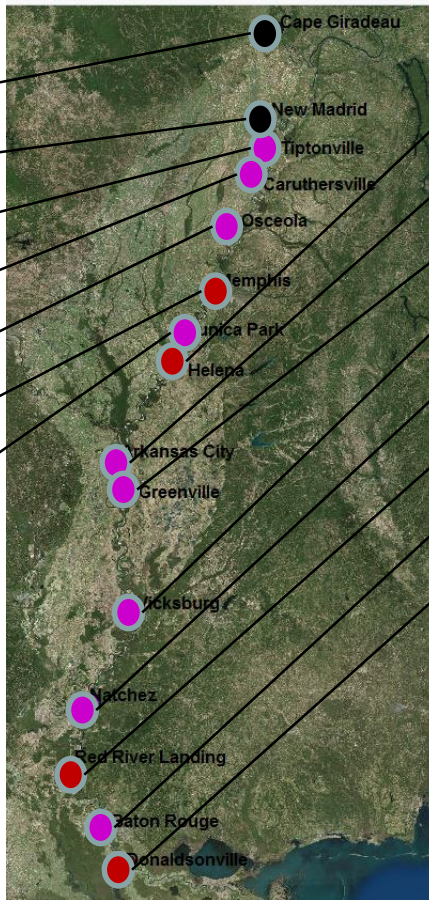




# Forecast Flood Crests on Mississippi River

## Early January

- Cape Girardeau—3<sup>rd</sup> – Near Record**
- New Madrid—5<sup>th</sup> – Near Record**
- Tiptonville—5<sup>th</sup> - Major**
- Caruthersville—6<sup>th</sup> - Major**
- Osceola—7<sup>th</sup> - Major**
- Memphis—9<sup>th</sup> - Moderate**
- Tunica Park—10<sup>th</sup> - Major**



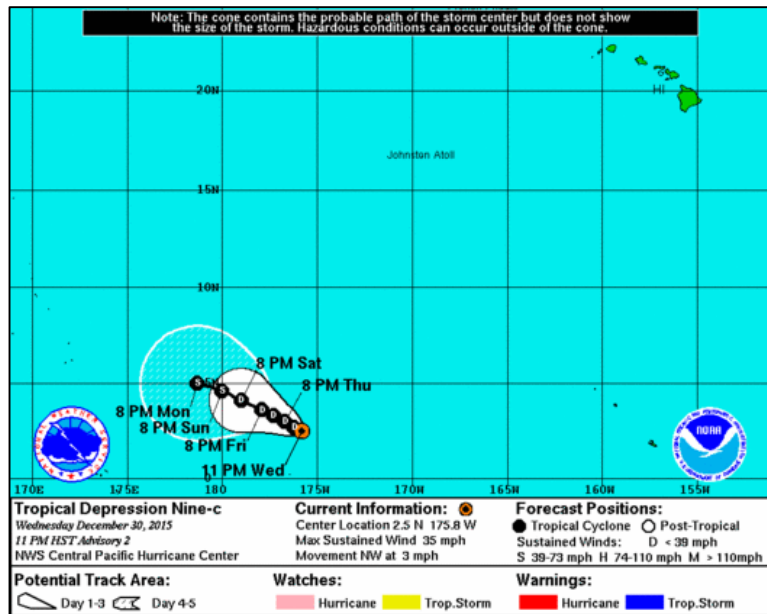
## Mid January

- Helena—11<sup>th</sup> - Moderate**
- Arkansas City—13<sup>th</sup> - Major**
- Greenville—14<sup>th</sup> - Major**
- Vicksburg—16<sup>th</sup> - Major**
- Natchez—18<sup>th</sup> - Major**
- Red River Landing—19<sup>th</sup> - Moderate**
- Baton Rouge—19<sup>th</sup> - Major**
- Donaldsonville—20<sup>th</sup> - Moderate**

- Moderate Flood Stage**
- Major Flood Stage**
- Near or above Record Flood Stage**

**Floodwaters will move downstream to Lower Mississippi River basin. Long range forecasts are estimates and may be impacted if additional rainfall occurs in the next couple of weeks.**

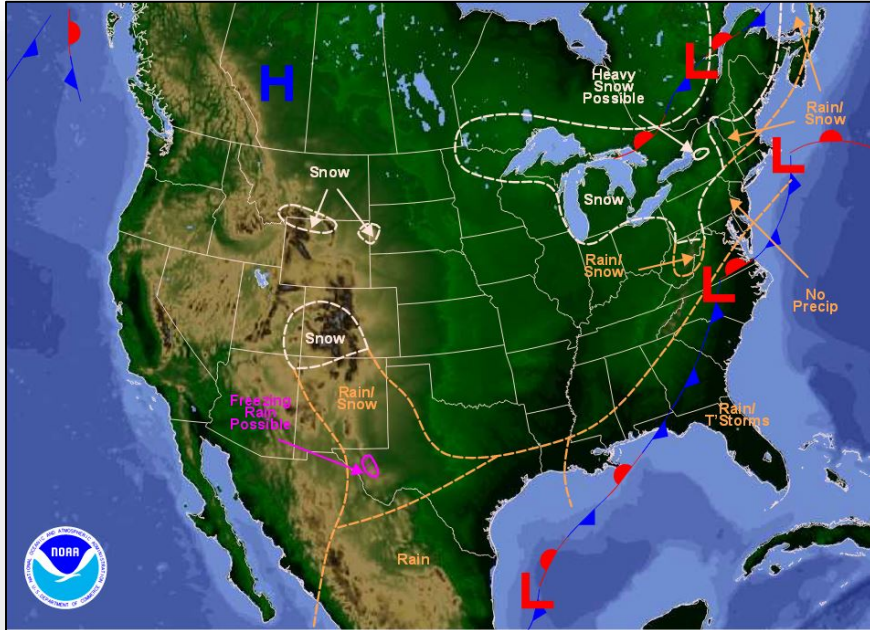
# Central Pacific – Tropical Depression 09C



## Tropical Depression (09C) (Advisory #2 as of 5:00 am EST)

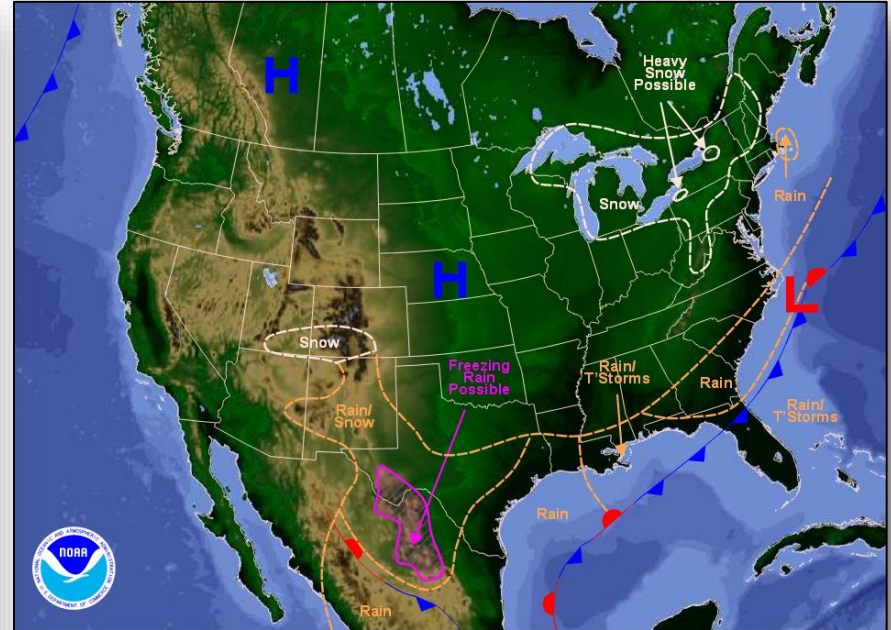
- Located approximately 1,850 miles southwest of Honolulu
- Moving northwestward at 3 mph
- Maximum sustained winds near 35 MPH
- Little change in intensity over next couple of days
- No anticipated threats to U.S. territories during the next 5 days

# National Weather Forecast



Weather Forecast for Thu, Dec 31, 2015, issued 3:25 AM EST  
DC/NOAA/NWS/NCEP/Weather Prediction Center  
Prepared by McCreynolds based on WPC, SPC and NHC forecasts

*Today*



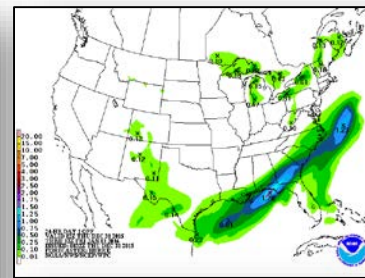
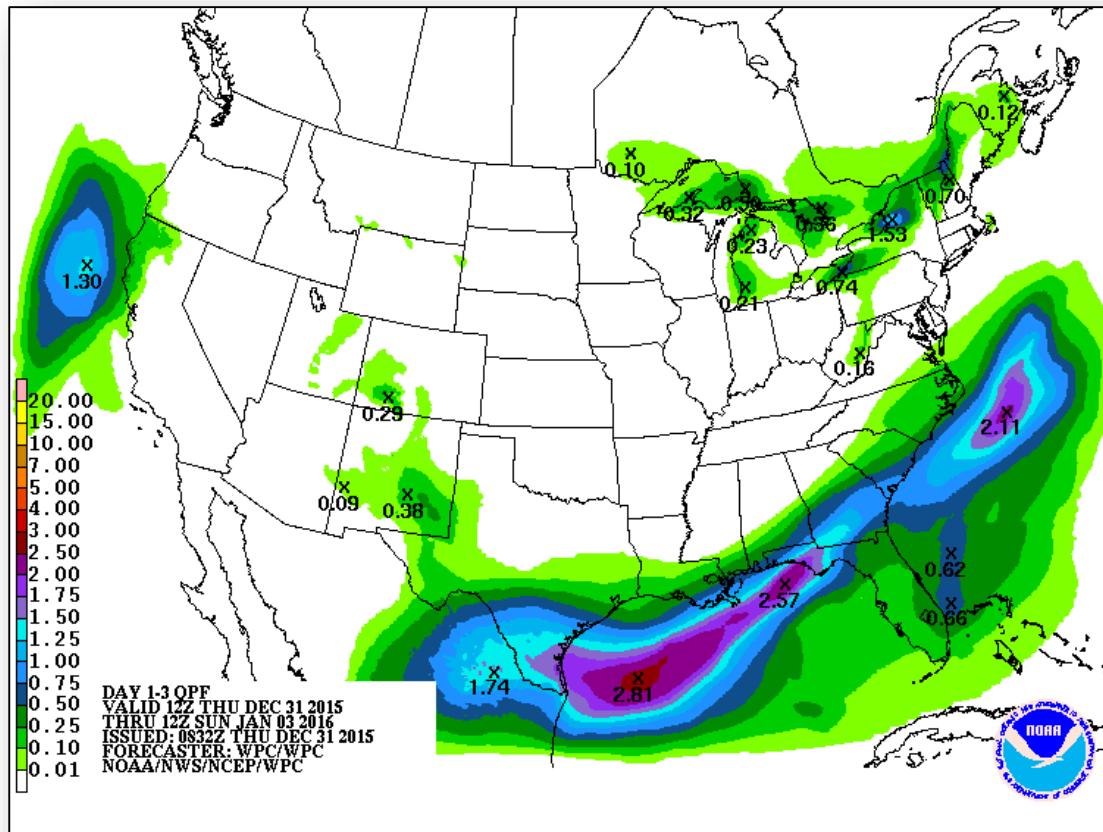
Weather Forecast for Fri, Jan 01, 2016, issued 3:28 AM EST Thu, Dec 31, 2015  
DC/NOAA/NWS/NCEP/Weather Prediction Center  
Prepared by McCreynolds based on WPC, SPC and NHC forecasts

*Tomorrow*

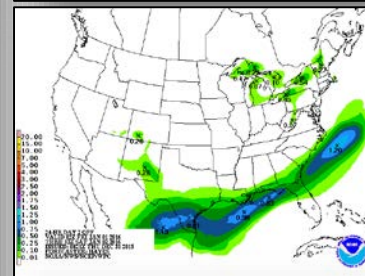
# Precipitation Forecast, 1-3 Day



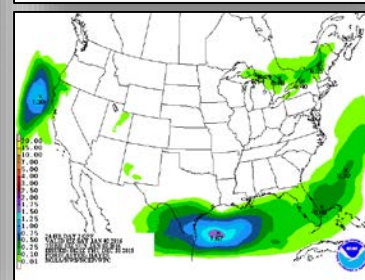
FEMA



Day 1

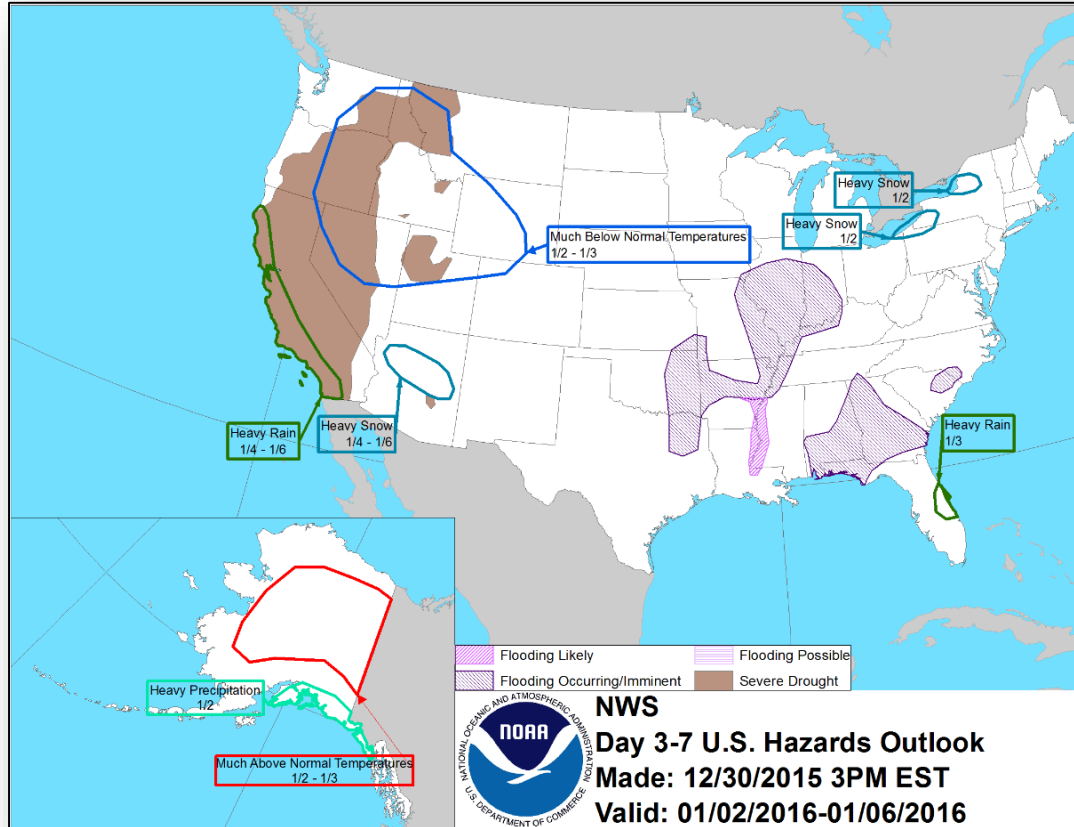


Day 2



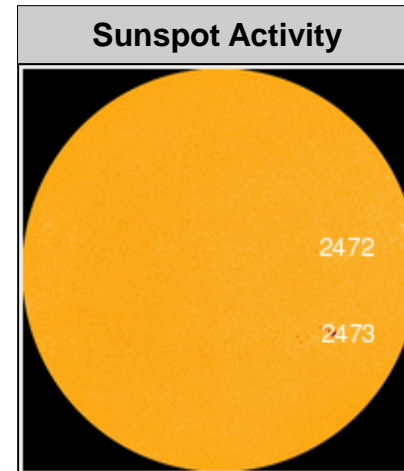
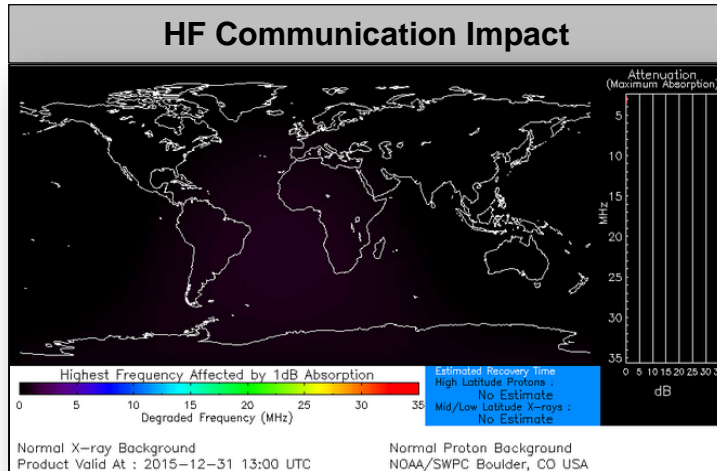
Day 3

# Hazard Outlook, Jan 2-6

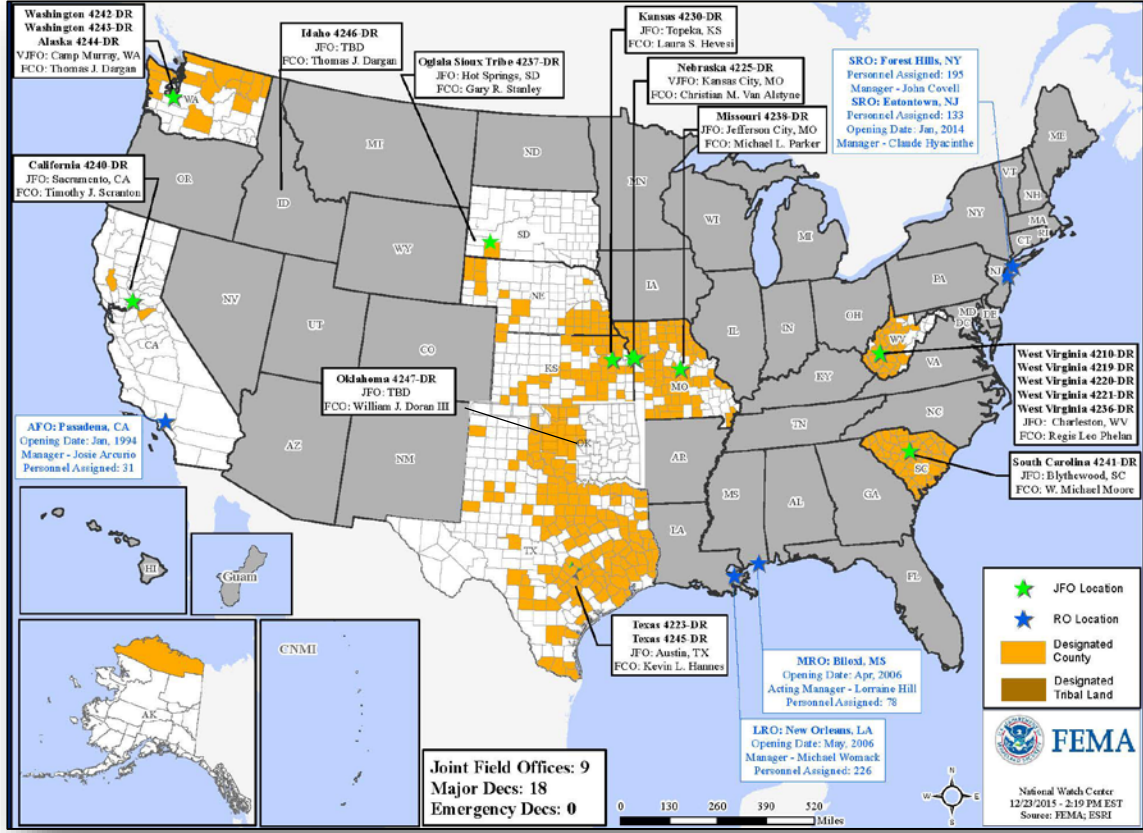


# Space Weather

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



# Open Field Offices as of December 31



# Joint Preliminary Damage Assessments



Region	State / Location	Event	IA/PA	Number of Counties		Start – End
				Requested	Complete	
IV	MS	Severe Weather & Flooding December 23, 2015 – continuing	IA	5	3 (+1)	12/28 – TBD
			PA	3	3 (+3)	12/28 – 12/30
VI	TX	Severe Storms December 26, 2015 - continuing	IA	3	0	12/30 – TBD
			PA	3	0	12/30 – TBD
X	WA	Wind Storm, Landslides, Mudslides, and Flooding December 1-14, 2015	IA	23	0	1/5 – TBD
			PA	23	0	1/11 – TBD



# FEMA Readiness – Deployable Teams /Assets



Deployable Teams/Assets									
Resource	Status	Total	FMC Available		Partially Available	Not Available	Detailed, Deployed, Activated	Comments	Rating Criterion
FCO	Yellow	38	18	47%	0	3	17	Only 2 Type1 FCOs are available	OFDC Readiness: FCO Green Yellow Red Type 1 3+ 2 1 Type 2 4+ 3 2 Type 3 4 3 2
FDRC	Green	8	3	38%	0	0	5		FDRC 3 2 1
US&R	Green	28	26	92%	1	1	0	MO-TF1 (Yellow) – State activated NM-TF1 (Red) - Personnel shortages	<ul style="list-style-type: none"> <li>Green = Available/FMC</li> <li>Yellow = Available/PMC</li> <li>Red = Out-of-Service</li> <li>Blue = Assigned/Deployed</li> </ul>
National IMAT	Green	3	3	100	0	0	0		<ul style="list-style-type: none"> <li>Green: 3 avail</li> <li>Yellow: 1-2 avail</li> <li>Red: 0 avail (<i>Individual N-IMAT red if 50% of Section Chiefs and/or Team Leader is unavailable for deployment.</i>)</li> </ul>
Regional IMAT	Yellow	13	6	46%	1	1	5	<u>Deployed:</u> RVI (Team 2) Deployed to TX RVII Deployed to MO RVIII Deployed to OST, SD (Available to re-deploy as needed) RIX (Team 2) Deployed to CA RX Deployed to WA <u>PMC:</u> RIX (Team 1) Reconstituting from CNMI <u>NMC:</u> RV (Team 1) Red – Personnel Shortages	<ul style="list-style-type: none"> <li>Green: 7 or more avail</li> <li>Yellow: 4 - 6 teams available</li> <li>Red: &gt; 8 teams deployed/unavailable</li> </ul> R-IMAT also red if TL Ops/Log Chief is unavailable & has no qualified replacement
MCOV	Yellow	59	40	67%	0	12	7	3 MCOVs deployed to SC (FEMA-4241-DR) 4 MCOVs deployed to TX (FEMA-4245-DR)	<ul style="list-style-type: none"> <li>Green = 80 – 100% avail</li> <li>Yellow = 60 – 79% avail</li> <li>Red = 59% or below avail</li> <li>Readiness remains 95%</li> </ul>

# FEMA Readiness – National/Regional Teams



National/Regional Teams									
Resource	Status	Total	FMC Available		Partially Available	Not Available	Status	Comments	Rating Criterion
NWC	Green	5	5	100%	0	0	Watch/Steady State		<ul style="list-style-type: none"> <li>• Green = FMC</li> <li>• Yellow = PMC</li> <li>• Red = NMC</li> </ul>
NRCC	Green	2	344	89%	0	44	Not Activated		
HLT	Green	1	N/A	N/A	0	0	Not Activated		
DEST	Green						Not Activated		
RRCCs	Green	10	10	100%	0	0	Activated	Region VI Level III (Day shift) for severe weather Region VII Level III (24/7) for severe weather	
RWCs/MOCs	Green	10	10	100%	0	0	Activated	Region VI Enhanced Watch (Night shift) Region V Enhanced Watch (Day shift)	



# 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.**