



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

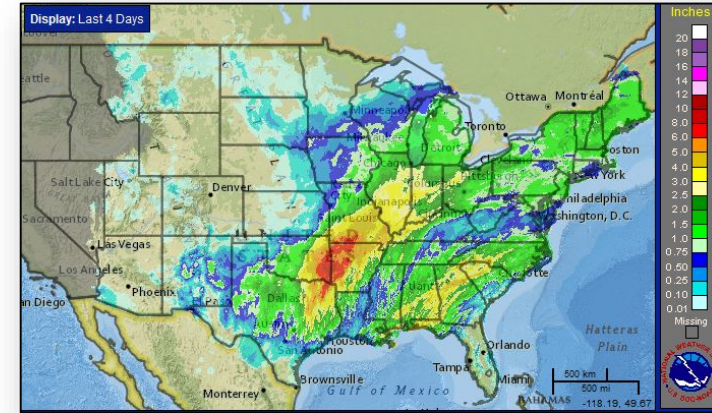
- Only minimal power outages remain
- IL 8 (+1) confirmed fatalities – Flash Flooding (traffic)
- Approx. 400 residents were evacuated, due to flooding in Madison Co
- Some water treatment centers flooded in IL
- 1 Correctional Facility evacuated in IL

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

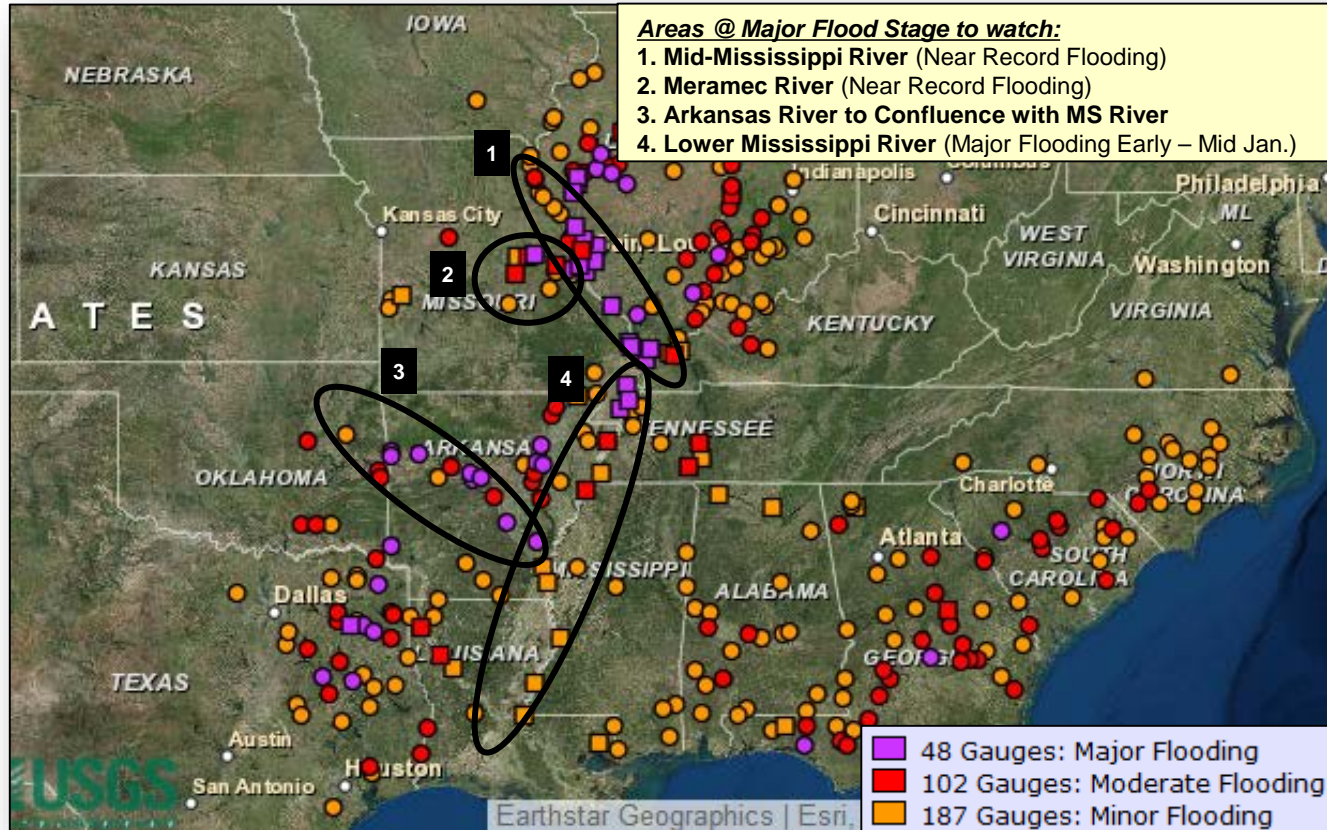
Region VII

- 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)

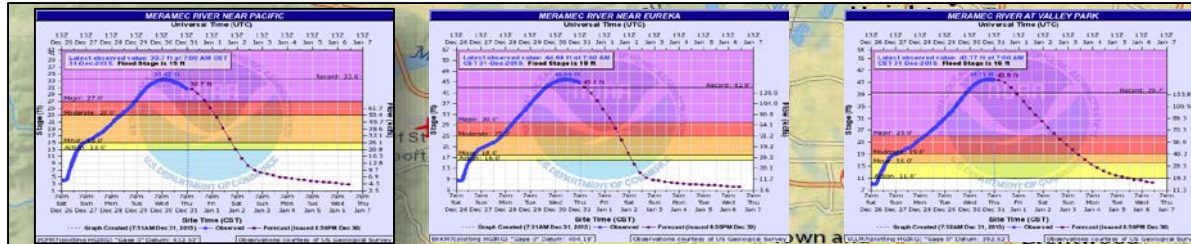
FEMA:

- 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



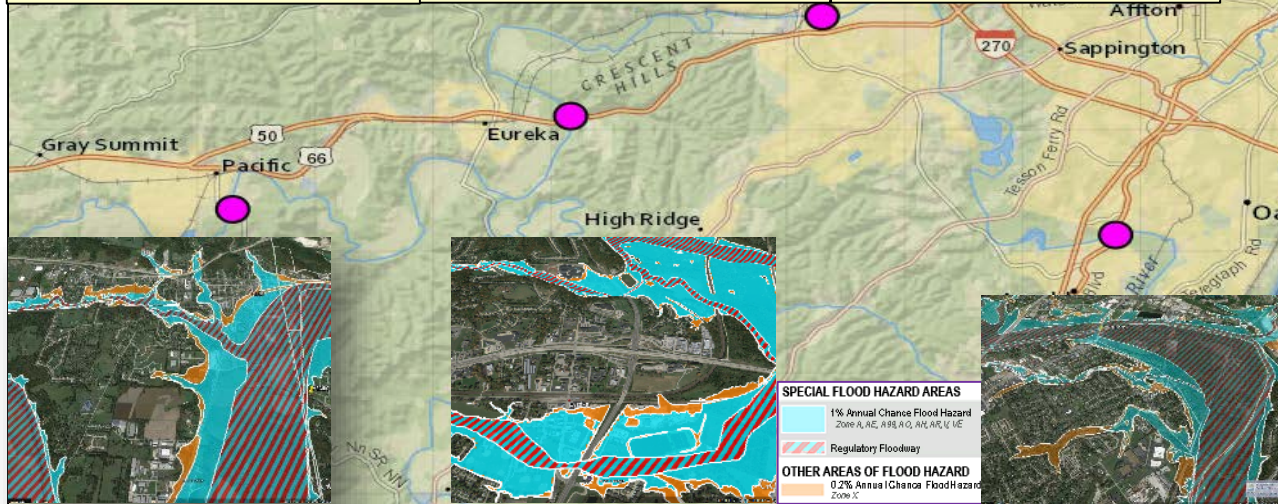
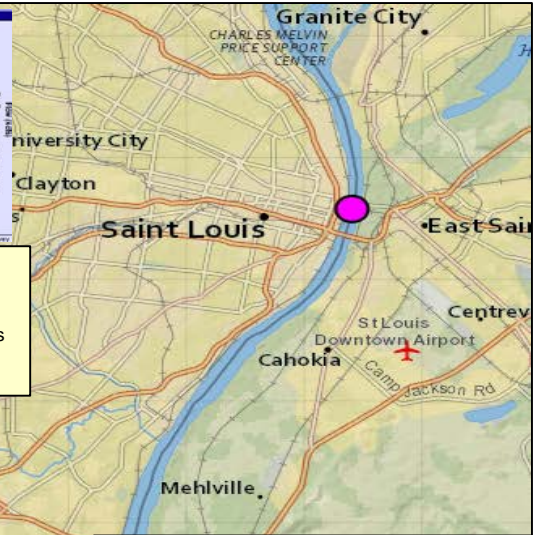
Meramec River



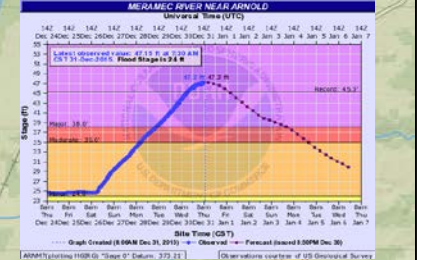
Meramec River near Pacific, MO
Observed Peak: 33.4' Record: 33.6
At 31.5':
 Hwy access from the south is closed
120 Housing units potentially impacted
 along with some businesses and parks

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

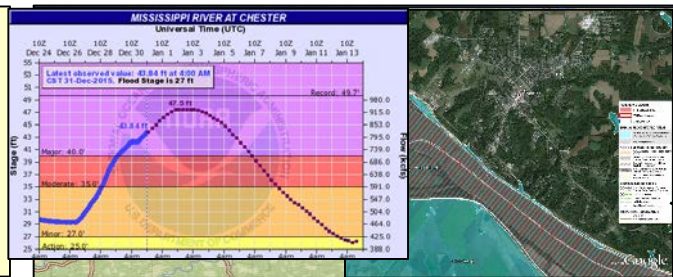
- 1% Annual Chance Flood Hazard
Zone A, AE, A99, A0, AH, AR, V, VE
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD

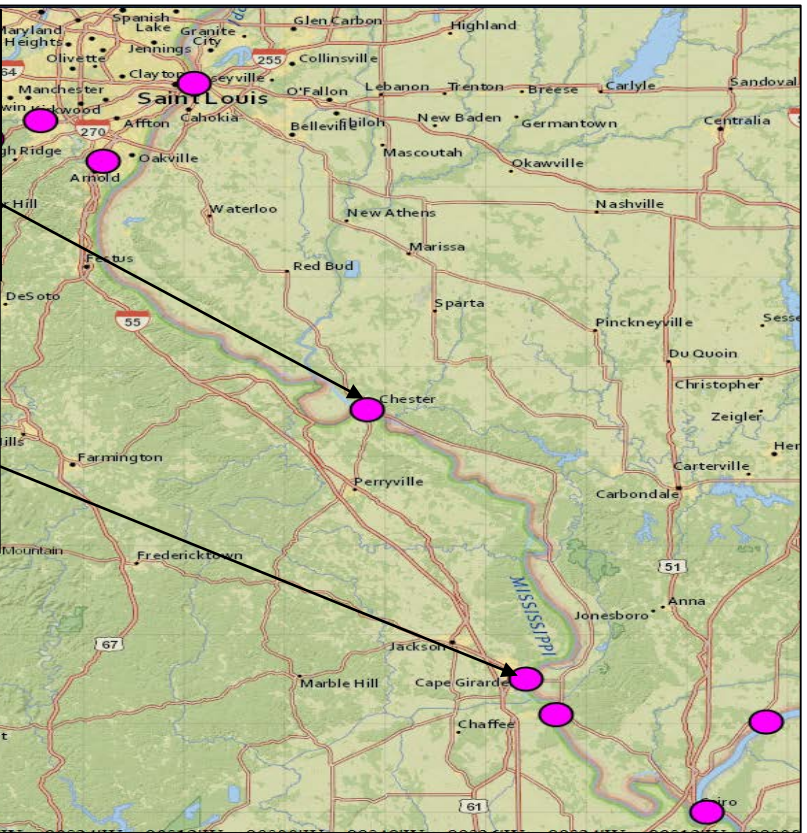
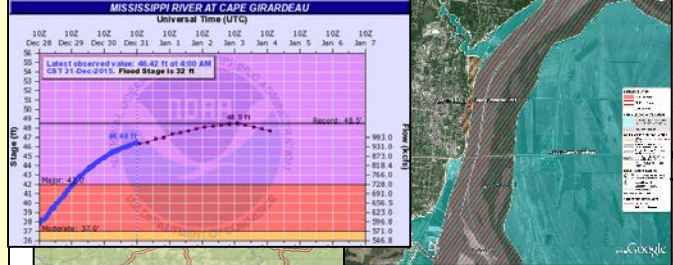
- 0.2% Annual Chance Flood Hazard Zone X

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.**



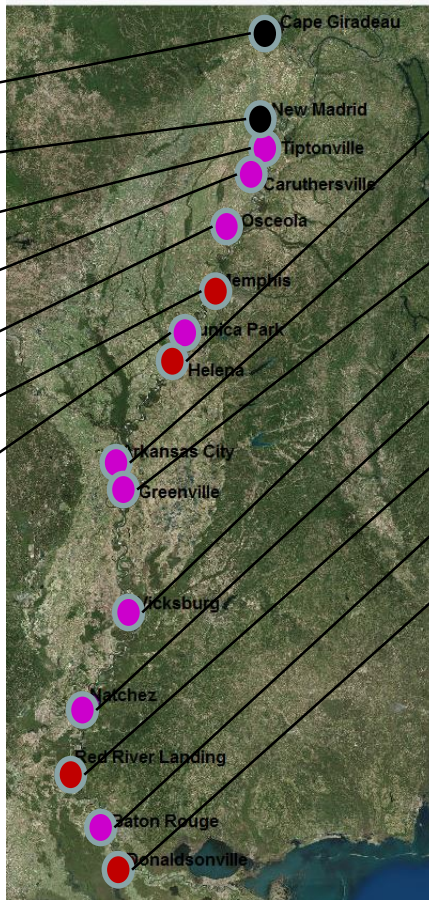
Mississippi River:
2. Cape Girardeau Gauge – Forecast Peak 48.5 (Record 48.5)
 - Several homes and structures in Cape Girardeau County become inundated or cut off due to backwater flooding



Forecast Flood Crests on Mississippi River

Early January

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



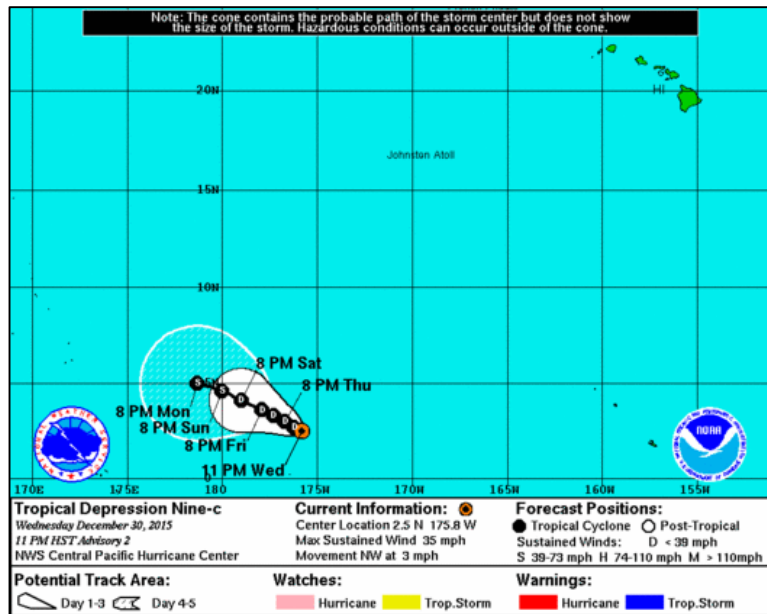
Mid January

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

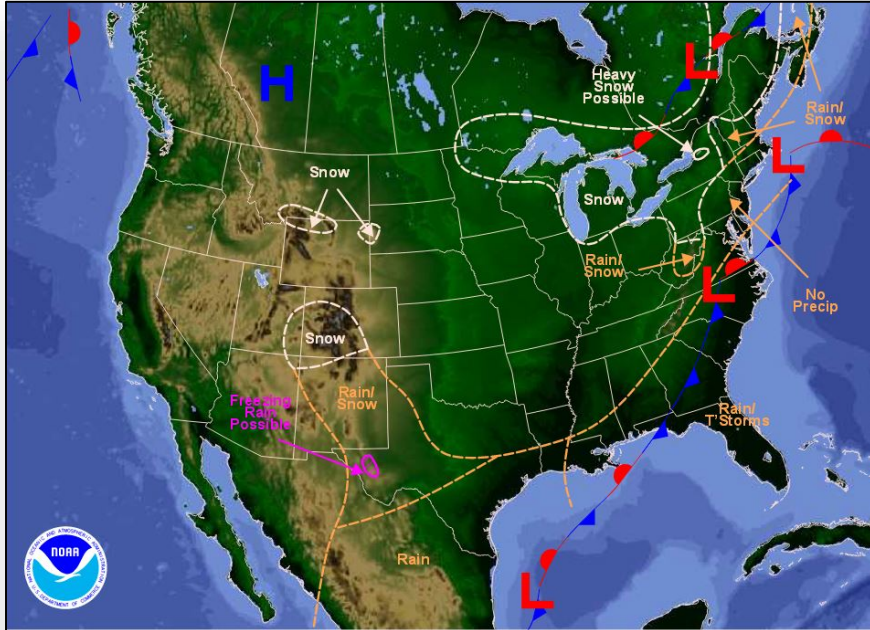
Central Pacific – Tropical Depression 09C



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

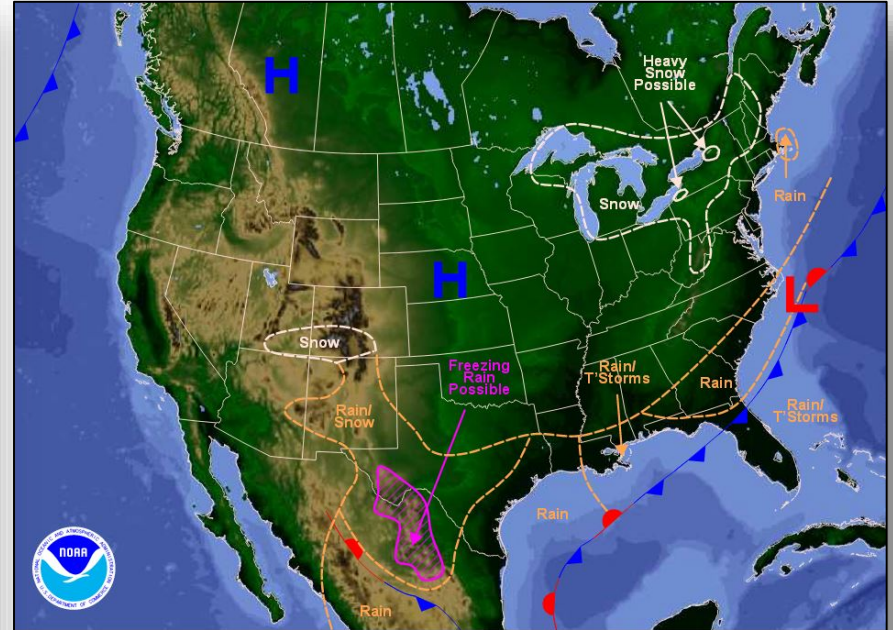
- Located approximately 1,850 miles southwest of Honolulu
- Moving northwestward at 3 mph
- Maximum sustained winds near 35 MPH
- Little change in intensity over next couple of days
- No anticipated threats to U.S. territories during the next 5 days

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



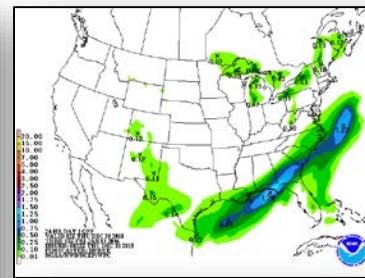
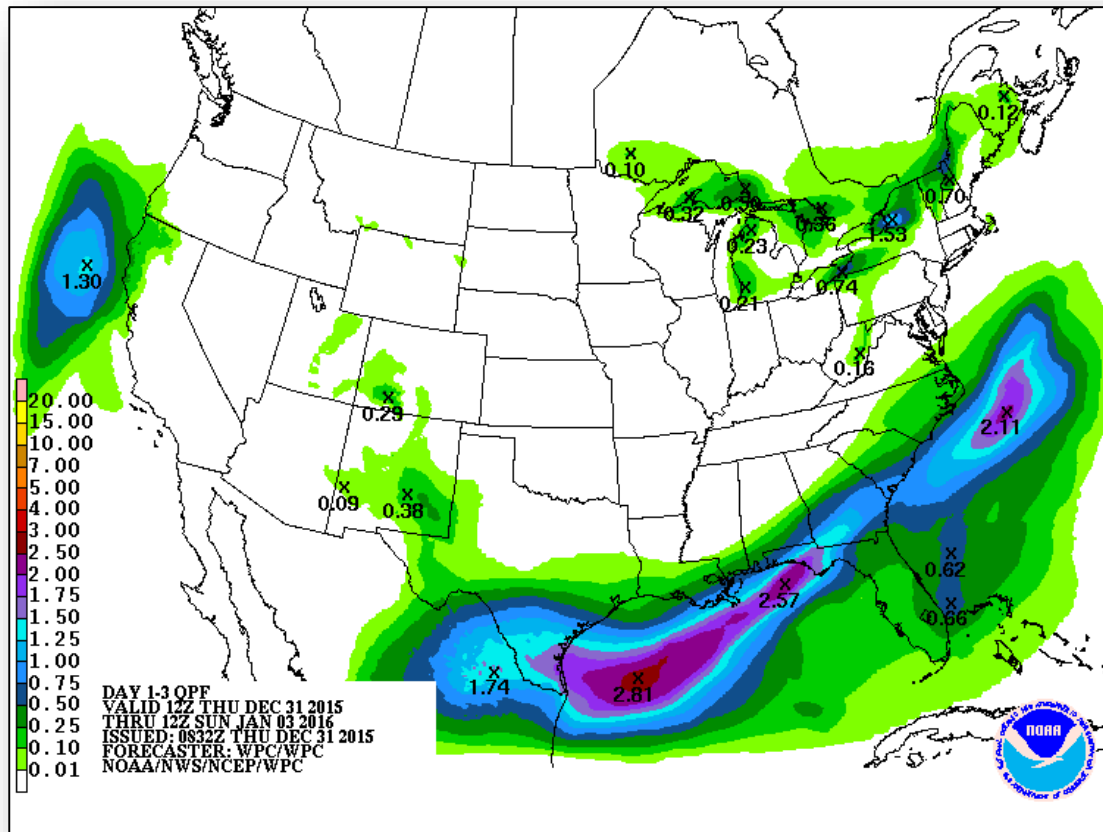
Weather Forecast for Fri, Jan 01, 2016, issued 3:28 AM EST Thu, Dec 31, 2015
DC/NOAA/NWS/NCEP/Weather Prediction Center
Prepared by McCreynolds based on WPC, SPC and NHC forecasts

Tomorrow

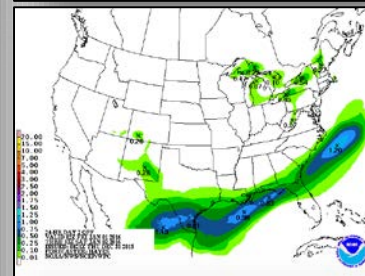
Precipitation Forecast, 1-3 Day



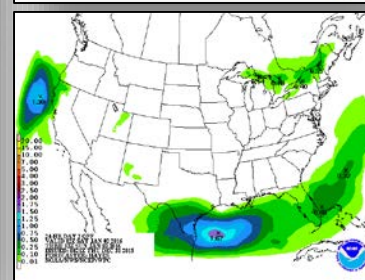
FEMA



Day 1

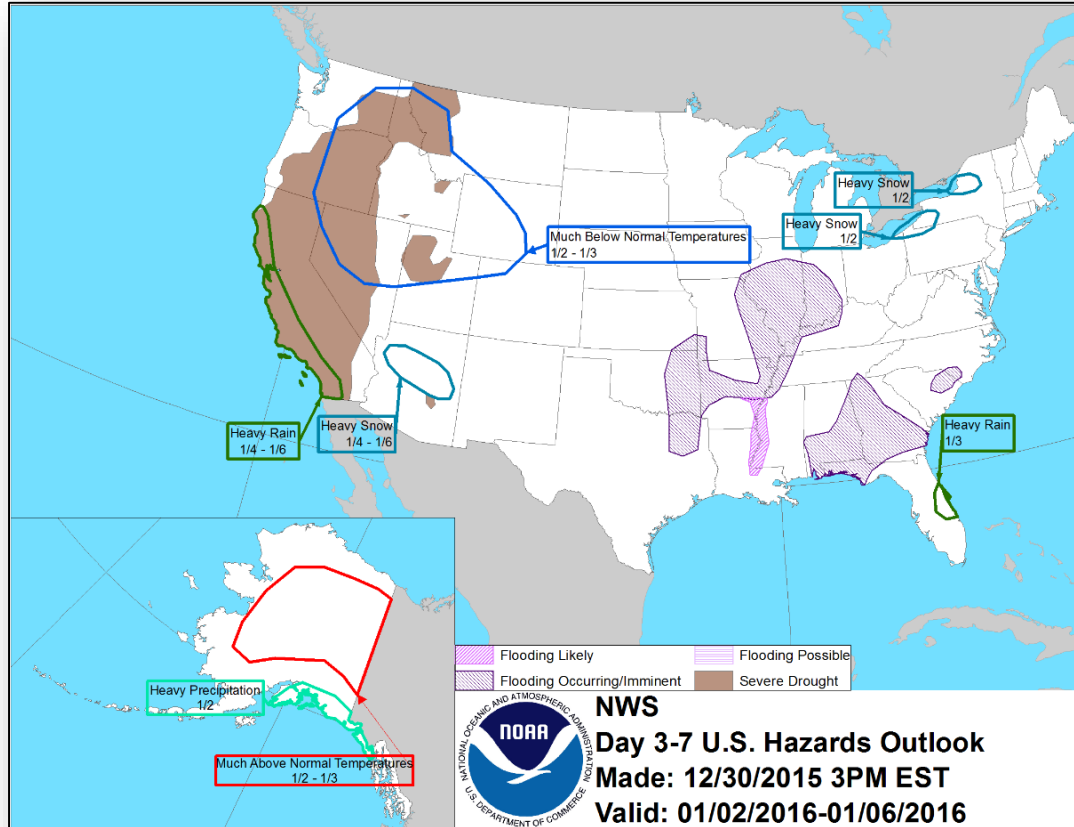


Day 2



Day 3

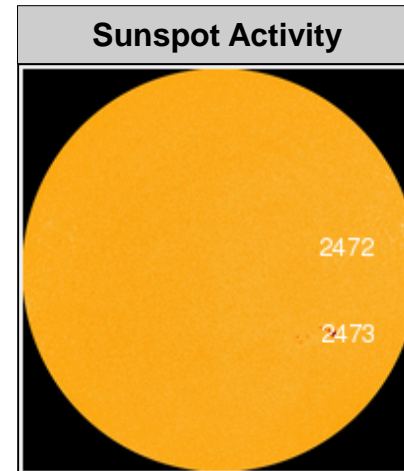
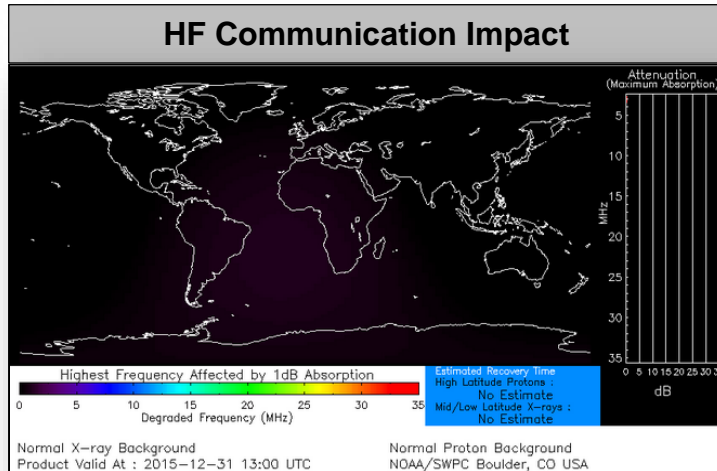
Hazard Outlook, Jan 2-6



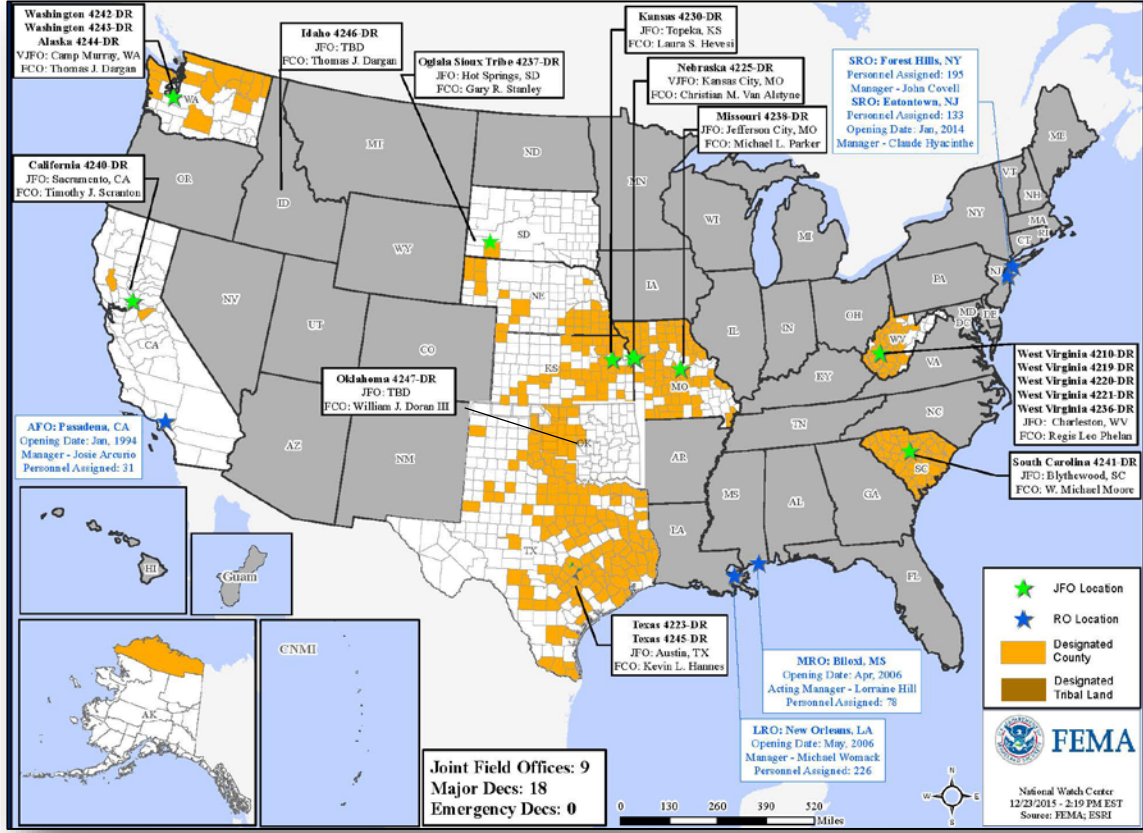
Space Weather



| | 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"> Green = Available/FMC Yellow = Available/PMC Red = Out-of-Service Blue = Assigned/Deployed |
| National IMAT | Green | 3 | 3 | 100 | 0 | 0 | 0 | | <ul style="list-style-type: none"> Green: 3 avail Yellow: 1-2 avail Red: 0 avail (Individual N-IMAT red if 50% of Section Chiefs and/or Team Leader is unavailable for deployment.) |
| Regional IMAT | Yellow | 13 | 6 | 46% | 1 | 1 | 5 | Deployed: 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 PMC: RIX (Team 1) Reconstituting from CNMI NMC: RV (Team 1) Red – Personnel Shortages | <ul style="list-style-type: none"> Green: 7 or more avail Yellow: 4 - 6 teams available Red: > 8 teams deployed/unavailable 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"> Green = 80 – 100% avail Yellow = 60 – 79% avail Red = 59% or below avail Readiness remains 95% |

FEMA Readiness – National/Regional Teams



| National/Regional Teams | | | | | | | | | |
|-------------------------|--------|-------|---------------|------|---------------------|---------------|--------------------|--|--|
| Resource | Status | Total | FMC Available | | Partially Available | Not Available | Status | Comments | Rating Criterion |
| NWC | | 5 | 5 | 100% | 0 | 0 | Watch/Steady State | | <ul style="list-style-type: none"> • Green = FMC • Yellow = PMC • Red = NMC |
| NRCC | | 2 | 344 | 89% | 0 | 44 | Not Activated | | |
| HLT | | 1 | N/A | N/A | 0 | 0 | Not Activated | | |
| DEST | | | | | | | Not Activated | | |
| RRCCs | | 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 | | 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.