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.

Please consider making a small donation to the Disaster Center



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



# **FEMA**

# **Daily Operations Briefing**

Thursday, August 31, 2017 8:30 a.m. EDT

# Significant Activity – August 30 - 31



**Significant Events:** Tropical Depression Harvey

#### **Tropical Activity:**

- Atlantic Tropical Depression Harvey; Tropical Storm Irma; Disturbance 1 Low (20%)
- Eastern Pacific Tropical Storm Lidia
- Central Pacific No tropical cyclones expected next 48 hours
- Western Pacific No activity affecting U.S. interests

#### **Significant Weather:**

- Severe thunderstorms possible Lower Mississippi and Tennessee valleys to Southeast
- Flash flooding possible Lower Mississippi and Ohio valleys to Mid-Atlantic and Southeast
- Elevated fire weather MT
- Isolated dry thunderstorms Northern Intermountain to Northern Plains, and Northern Rockies
- Space weather:
  - Past 24 hours: Minor; geomagnetic storms reaching G1 level occurred
  - Next 24 hours: Minor; geomagnetic storms reaching G1 level expected

Earthquake Activity: No significant activity

**Declaration Activity:** Amendment No. 2 to FEMA-4332-DR-TX

### Tropical Outlook – Atlantic

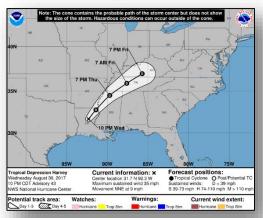
#### <u>Tropical Depression Harvey</u> (Advisory #44, as of 5:00 a.m. EDT)

- Located 15 miles S of Monroe, LA
- Moving NNE at 10 mph; maximum sustained winds 30 mph
- This forecast track would take Harvey into northwestern MS by afternoon, western Tennessee Valley region on Friday, and into Lower Ohio Valley early Saturday before anticipated dissipation by Saturday afternoon
- Flood and flash flood warnings and watches in effect from eastern TX though Lower Mississippi Valley and lower Ohio Valley
- This is the last public advisory issued by the NHC on Harvey

#### Tropical Storm Irma (Advisory #4, as of 5:00 a.m. EDT)

- Located, 2,245 E of San Juan, Puerto Rico
- Moving W at 12 mph; maximum sustained winds 70 mph
- Tropical storm force winds extend 60 miles
- Strengthening is forecast, likely to become a hurricane later today







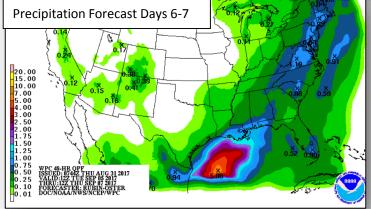
### Tropical Outlook – Atlantic



#### Disturbance 1 (as of 8:00 a.m. EDT)

- Area of low pressure could form over southwestern Gulf of Mexico by the weekend
- Development, if any, is expected to be slow to occur as it moves slowly N
- If it does develop, it could bring additional rainfall to portions of TX and LA coasts. However, any rainfall forecast is uncertain at this time range and it is too soon to determine any specific impacts
- Formation chance through 48 hours: Low (near 0%)
- Formation chance through the next 5 days: Low (20%)





### Tropical Outlook – Eastern Pacific



#### Tropical Storm Lidia (Advisory #7A as of 8:00 a.m. EDT)

- Located 90 miles SSE of Cabo San Lucas, Mexico
- Moving NNW at 8 mph; maximum sustained wind 45 mph
- Strengthening is forecast before Lidia's center reaches Baja California peninsula
- On this forecast rack, center will move over the peninsula Friday and Friday night
- No threat to the U.S or its territories at this time



## Tropical Outlook – Central Pacific





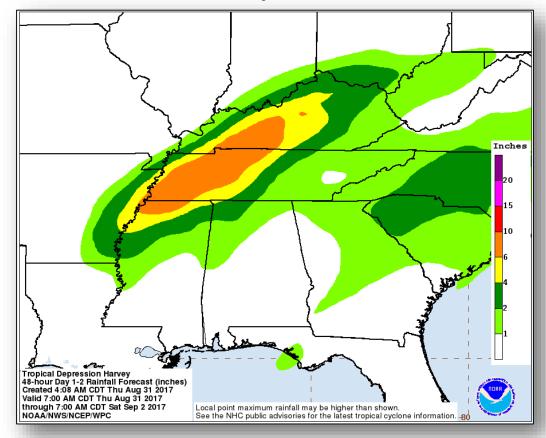


48-Hour Outlook

5 Day Outlook

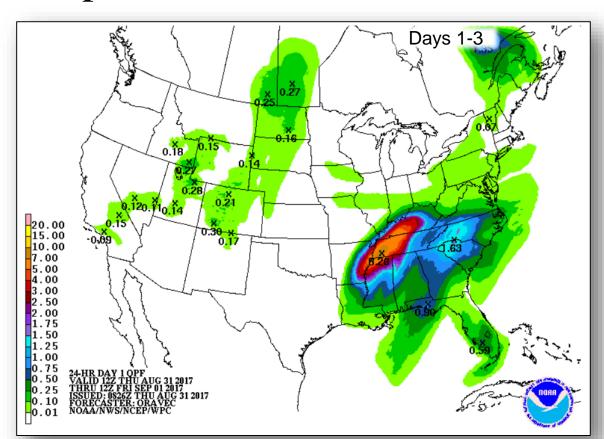
### Harvey Rainfall Forecast – Days 1-5

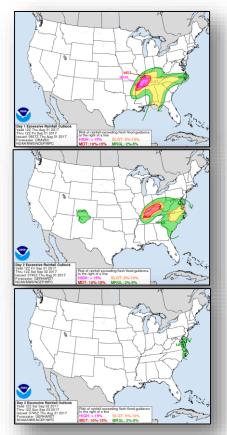




# **Precipitation Forecast**







Day 1

Day 2

Day 3

### Tropical Cyclone Harvey

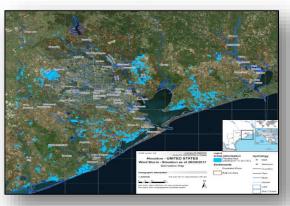


#### **Current Situation**

Harvey continues to weaken as it move farther inland over northern LA. Heavy rain threat expands northeast into the Tennessee and Ohio valleys

#### **Impacts**

- Evacuations:
  - O TX mandatory evacuations for 779; voluntary evacuations for 980k people
  - O LA mandatory evacuations for 6.9k; voluntary evacuations for 133k people
- Shelters/occupants: 239 (+97) / 34k (+12k) in TX; and 4 (+3) / 165 (+145) in LA (ESF #6 as of 6:00 am EDT)
- Homes: Nearly 119k (+19.5) homes may be affected (up from previous estimate of 99k (+37)) out of 2.2 million across 24 (+5) counties
- Power outages: 195k customers without power in TX; 12k customers without power in LA\* (DOE Eagle-I as of 7:30 am EDT)
- Hospitals: 30 evacuated/closed; 14 sheltering in place; 2 on generator power
- Airports across the region are open, some with limited operations
- Schools: All schools in Rockport & Fulton County, TX closed indefinitely; 24 parish schools in LA closed
- · Drinking and waste water systems continue to be evaluated for operational status
  - City of Beaumont has lost service from the main pump station anticipate complete loss of water pressure this morning
- Explosions and smoke from Arkema Chemical Plant in Crosby, TX reported; surrounding area previously
  evacuated



<sup>\*</sup>Note: 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.

### Tropical Cyclone Harvey

#### **FEMA Region VI:**

- RRCC: Level I (24/7); RWC: Steady State
- Region VI IMAT-1: Deployed to LA EOC
- Region VI IMAT-2: Deployed to TX EOC
- LNOs deployed to TX and LA

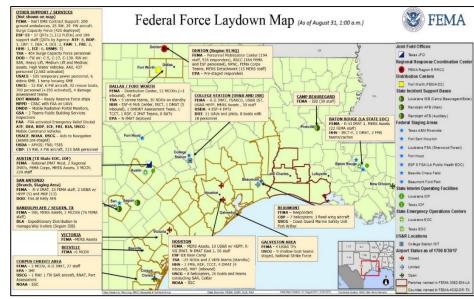
#### Texas

- EOC at Full Activation
- Governor declared a State of Disaster for 50 counties
- Mandatory/voluntary evacuations in effect for 8 counties and several independent communities
- City of Houston imposed a curfew effective immediately

#### <u>Louisiana</u>

- EOC at Full Activation with ESFs 1, 3, 6, 7, 8, and DoD
- Governor declared a State of Emergency for all parishes





### Tropical Cyclone Harvey

#### FEMA HQ

- NRCC: Level I (24/7); NWC: Steady State
- National IMAT West in TX
- National IMAT East-1 deployed to Houston, TX
- Region II, V, VI-2, VII, & VIII IMATs deployed to TX; Region VI-1 deployed to LA
- ISBs: Seguin, TX; Camp Beauregard, LA; Randolph, TX (will open by Aug 31)
- MERS: 25 MCOVs deployed to TX
- FEMA Corps: 1 team deployed to TX, 10 teams available, 21 additional teams available on September 1
- Staging areas: Seguin, TX; DC Ft. Worth, TX; Camp Beauregard, LA

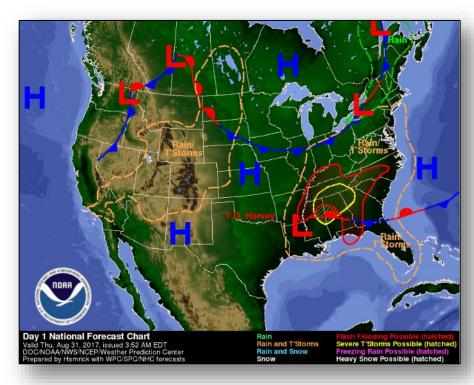


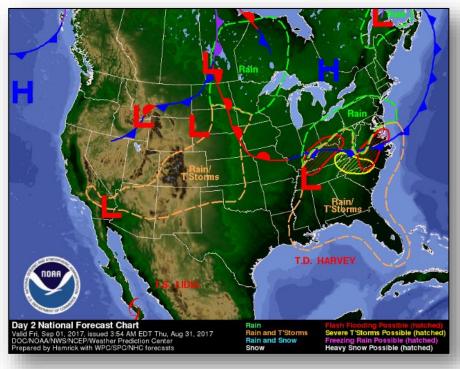
| - Comments                         |                  |
|------------------------------------|------------------|
| Task Force                         | LOCATION         |
| OPERATIONAL                        |                  |
| CA-TF2,5 / CO-TF1 / FL-TF2 / MA-   |                  |
| TF1 / MO-TF1 / NE-TF1 / OH-TF1 /   | Houston / Harris |
| UT-TF1 / VA-TF1 / WA-TF1           |                  |
| PA-TF1 / CA-TF8                    | Wharton          |
| AZ-TF1 / CA-TF1,4                  | Brazoria         |
| STAGING                            |                  |
| CA-TF3,6,7 / IN-TF1 / MA-TF1 / NJ- | Houston / Harris |
| TF1 / NV-TF1 / TN-TF1              | Houston/ Hams    |
| HEPP                               |                  |
| CA-TF7 / CO-TF1 / FL-TF2 / IN-TF1  |                  |
| / MD-TF1 / NV-TF1                  |                  |

- All 28 National US&R Response System ("System")
  Sponsoring Agencies have deployed resources to the
  Hurricane Harvey response lifesaving mission. (TX-TF1 is
  a State resource)
- 50% of the 28 System task forces have their full type 1 equipment caches in theater.
- 13 System Sponsoring Agencies have deployed Swiftwater Mission Ready Packages with the appropriate equipment
- All 7 of the Hazardous Equipment Push Packages (HEPPs) have been deployed in support of the response

### National Weather Forecast



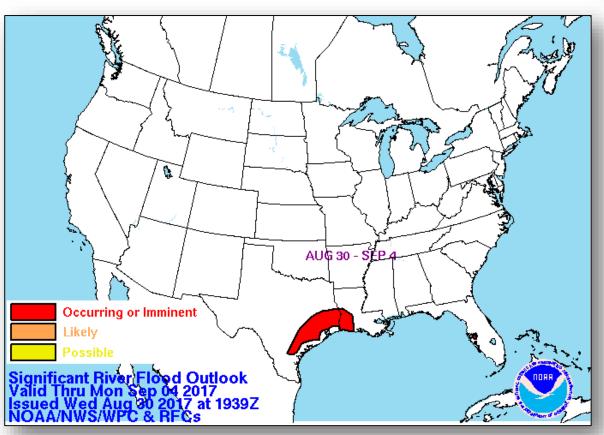




Today Tomorrow

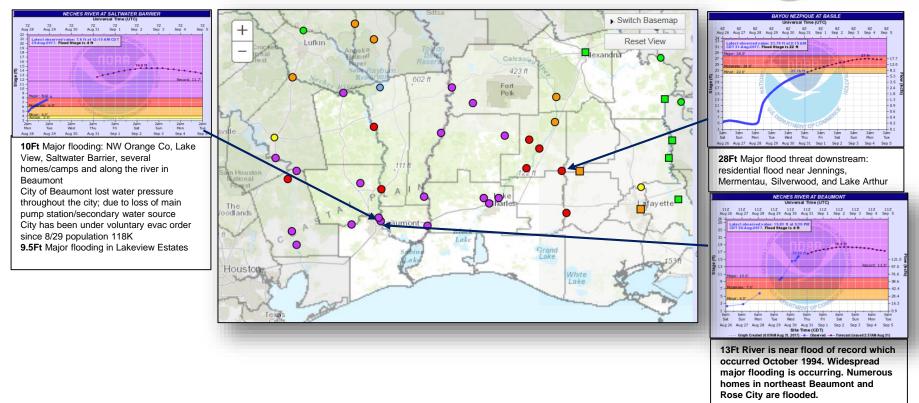
### National River Flood Outlook





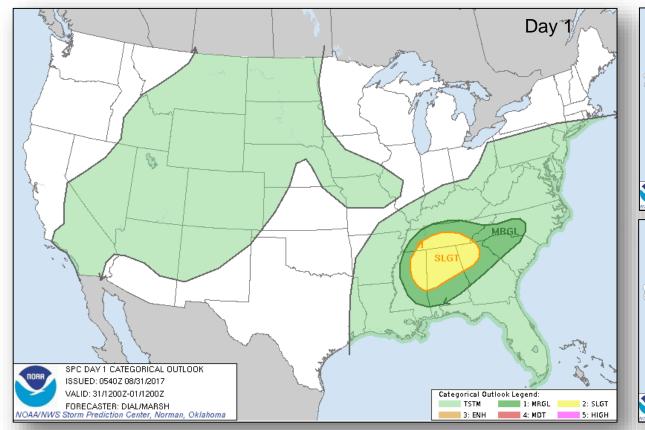
### Major to Record River Flooding

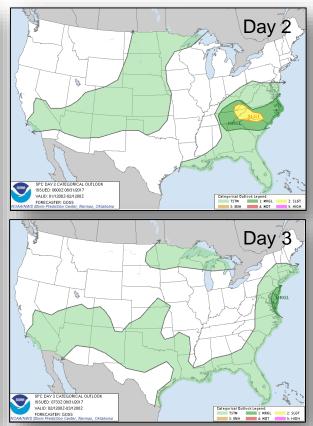




# Severe Weather Outlook – Days 1-3

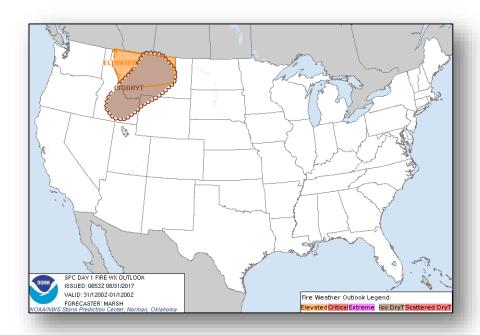


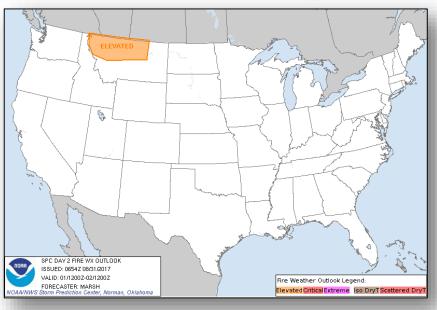




### Fire Weather Outlook



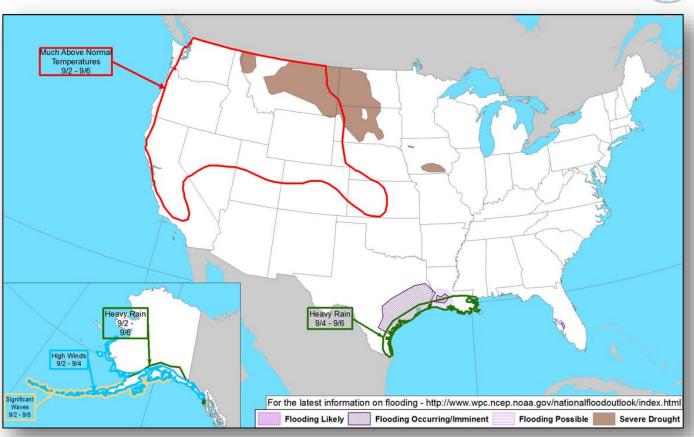




Today Tomorrow

# Hazards Outlook – Sep 2-6



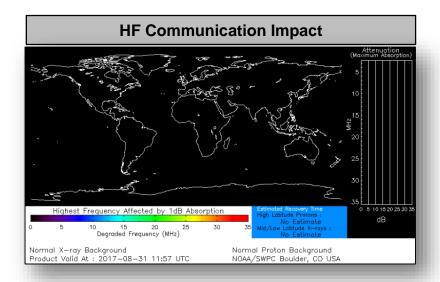


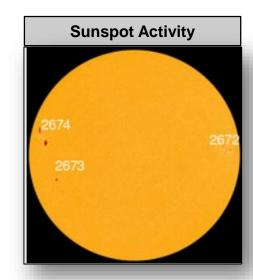
# Space Weather



|               | Space Weather Activity | Geomagnetic<br>Storms | Solar Radiation | Radio<br>Blackouts |
|---------------|------------------------|-----------------------|-----------------|--------------------|
| Past 24 Hours | Minor                  | G1                    | None            | None               |
| Next 24 Hours | Minor                  | G1                    | None            | None               |

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





# Wildfire Summary



| Fire Name                           | FMAG #                       | Acres               | Percent   | Evacuations |                         | Fatalities |              |            |  |  |
|-------------------------------------|------------------------------|---------------------|-----------|-------------|-------------------------|------------|--------------|------------|--|--|
| (County)                            | (Approved Date)              | Burned              | Contained | (Residents) | Threatened              | Damaged    | Destroyed    | / Injuries |  |  |
| Oregon (2)                          |                              |                     |           |             |                         |            |              |            |  |  |
| Milli<br>(Deschutes)                | 5196-FM-OR<br>August 17,2017 | 21,703<br>(+603)    | 44%       | Lifted      | 2,055 homes             | 0          | 0            | 0/1        |  |  |
| Chetco Bar<br>(Curry)               | 5198-FM-OR<br>August 20,2017 | 128,758<br>(+3,487) | 5%        | Mandatory   | 10,590<br>(8,518 homes) | 9 (1 home) | 26 (6 homes) | 0/3        |  |  |
|                                     | Montana (1)                  |                     |           |             |                         |            |              |            |  |  |
| Lolo Peak<br>(Ravalli and Missoula) | 5197-FM-MT<br>August 17,2017 | 39,461<br>(+583)    | 31%       | Lifted      | 0                       | 2          | 10 (2 homes) | 1/3        |  |  |

# Joint Preliminary Damage Assessments



| Pagion | State /  | Event                      | IA/PA               | Number o  | f Counties  | Start – End |
|--------|--|----------------------------|---------------------|-----------|-------------|-------------|
| Region | Location                                       | cation                     |                     | Requested | Completed   |             |
| V      | IL Severe Storms and Flooding July 11-27, 2017 | Severe Storms and Flooding | IA                  | 0         | 0           | N/A         |
| V      |  | July 11-27, 2017           | July 11-27, 2017 PA | PA        | 4           | 0           |
| \/I    | NIM  | Severe Storms              | IA                  | 0         | 0           | N/A         |
| VI NM  | August 3, 2017                                 | PA                         | 1                   | 0         | Sep 6 - TBD |             |

# Disaster Requests & Declarations



| Declaration Requests in Proces  | Requests<br>APPROVED<br>(since last report) | Requests<br>DENIED<br>(since last report) |    |                 |   |   |
|---|---|---|----|-----------------|---|---|
| 5   | IA  | РА  | нм | Requested       | 0 | 0 |
| NY - DR (Expedited) Flooding  | х   | х   | х  | July 6, 2017    |   |   |
| ID – DR Flooding  |   | х   | х  | July 20, 2017   |   |   |
| ND – DR Drought   | х   | х   | х  | August 7, 2017  |   |   |
| WI – DR Severe Storms, Straight-line Winds, Flooding, Landslides, and Mudslides |   | Х   | х  | August 23, 2017 |   |   |
| ND – DR Severe Storms   |   | х   | х  | August 28, 2017 |   |   |

### Disaster Amendments



| Amendment                          | Effective Date  | Action   |
|------------------------------------|-----------------|--|
| Amendment No. 2 to FEMA-4332-DR-TX | August 30, 2017 | Adds 11 counties for Individual Assistance & debris removal and emergency protective measures (Categories A & B), and 3 counties for emergency protective measures (Category B) only |

# Readiness – Deployable Teams and Assets



| Resource                         | Force<br>Strength                                  | Available            | Deployed   | Other  | Cadres with 25% or less availability                     |  |   |  |   |   |  |
|----------------------------------|--|----------------------|--|--|--|--|---|--|---|---|--|
| Total Workfo                     | r <b>ce</b> 10,919 ▲                               | 3,442 31%            | 5,536 ▲  | 1,941  | Disability   |  |   | mental Historic Presormation Technology  |   |   | % (115/1,093);   |
| National<br>IMATs*               | East 1:<br>East 2:                                 | Deployed<br>B-2      | JFO: Lakewood, WA<br>FCO: Thomas J. Dargan   | 4310-Di<br>4313-Di<br>4333-Di<br>JFO: Bo             | R-ID<br>R-ID   | 4323-DR-ND<br>4327-DR-WY<br>VJFO: Denver, CO | 4319-DR-KS<br>JFO: Wichita, KS<br>FCO: David G. Samanie |  | 4334-DR-IA<br>VJFO: Kansas City, MO<br>4317-DR-MO | 4326-DR-MI<br>JFO: Midland, MI<br>FCO: Steven W. Johnso | Field Offices *  JFOs: 22  DRs: 34   |
| (1-2 Teams)                      | West:  | Deployed             | 4328-DR-OR<br>JFO: Salem, OR<br>FCO: Willie G. Nunn  |  | mothy B. Manner  | FCO: Thomas J. McCoo                         | DI  | FCO: Dolph A. Diemont  | JFO: Jefferson City, MC<br>FCO: Michael L. Parker |   | EMs: 1 Deployed Teams  |
| Regional<br>IMATs<br>(0-3 Teams) | Assigned:<br>Available:<br>PMC / NMC:<br>Deployed: | 13<br>0<br>0<br>13   | R-X IMAT (JFO)  4303-DR-NV* 4307-DR-NV JFO: Carson City, NV FCO: David Haas *R-IX IMAT-1 (JFO)   |  |  | NII  |   | The state of the s |   | MB  | 4330-DR-VT JFO: Montpelier, VT FCO: Mark H. Landry R-I IMAT (VT EOC)   |
| <b>US&amp;R</b><br>(≤ 33%)       | Assigned: Available: PMC / NMC: Deployed:          | 28<br>0<br>13<br>15* | 4301-DR-CA<br>4305-DR-CA<br>4302-DR-HVT<br>4308-DR-CA*<br>4312-DR-RRT<br>JFO: Sacramento, CA<br>FCO: Timothy J. Scranton   |  |  |  | 3D  | MI IM  |   | TO WAY  | 4316-DR-NH 4329-DR-NH VJFO: Maynard, MA FCO: Albert Lewis 4322-DR-NY JFO: Albary, NY FCO: Seamus K. Leary            |
| MERS<br>(≤ 66%)                  | Assigned:<br>Available:<br>NMC:<br>Deployed:       | 36<br>9<br>0<br>27   | *R-IX IMAT-2 (JFO)  Tropical Cyclone Harvey (4 FEMA HQ (Washington D. 6 Maynard & Denver MERS FEMA RVI (Denton, TX) – R Louisiana:   | C.) – NRCC Level I                                   |  | AZ NM  |   | 300  |   |   | 4331-DR-WV JFO: Charleston, WV FCO: Steven S. Ward R-III IMAT (JFO) Frederick MERS (JFO)  4285-DR-NC JFO: Durham, NC |
| FCO<br>( <u>&lt;</u> 1 Type I)   | Assigned: Available: PMC / NMC: Deployed:          | 36<br>5<br>2<br>29   | R-VI IMAT-1 (State EOC) Denton MERS (State EOC) ISB Team Alpha (Camp Bea Texas: N-IMAT-W, R-VI-2 & R-VIII N-IMAT-E1 & R-VII IMAT (H R-II IMAT (Corpus Christi) R-V IMAT (San Antonio stag ISB Team Bravo (DC Ft. Wo    | IMATS (Austin)<br>louston)<br>ging area)<br>rth, TX) | 38   |  |   | 4277-DR-LA   |   |   | 4320-DR-TN VJFO: Nashville, TN FCO: Warren J. Riley R-IV IMAT-2 (R-IV HQ) 4318-DR-AR Closing 9/1/2017                |
| FDRC                             | Assigned:<br>Available:<br>PMC / NMC:<br>Deployed: | 11<br>5<br>2<br>4    | ISB Team Charlie (Seguin, T<br>MERS Teams x17 (Southeas<br>US&R:<br>- Blue IST (College Station,<br>- Type 1 Team x6 (Southeas<br>- Type 3 Team x8 (Southeas<br>- HEPP Team x7 (Southeast<br>- MRP Team x13 (Southeast | stern TX)  TX) stern, TX) stern, TX) ern, TX)        | 4315-DR-OK<br>4324-DR-OK<br>JFO: Oklahoi<br>FCO: Charles | ma City, OK JFO: 1<br>FCO:                   | -DR-TX<br>IBD<br>Kevin L. Hannes                        | FCO: William J. Doran III  LA Recovery Office Baton Rouge, LA  | losing 9/1/2017                                   | 4283-DR-FL<br>JFO: Maitland, FL<br>FCO: Manny J. Toro   | JFO: North Little Rock, AR<br>FCO: Jerry S. Thomas   |

<sup>\*</sup>B-2 Status: Assemble  $\leq$  2-hrs, On Site  $\leq$  18-hrs; **B-48 Status:** Assemble and deploy  $\leq$  48hrs; **Charlie Status:** No team assemble time requirement

### FEMA Readiness – Activation Teams



| Resource  | Status | Total | Status                     | Activated<br>Team        | Activation<br>Level | Activation<br>Times | Reason/Comments         |
|-----------|--------|-------|----------------------------|--------------------------|---------------------|---------------------|-------------------------|
| NWC       |        | 5     | Not Activated              |                          |                     |                     |                         |
| NRCC      |        | 2     | Activated                  | Blue                     | Level I             | 24/7                | Tropical Cyclone Harvey |
| HLT       |        | 1     | Activated                  |                          |                     |                     | Hurricane Season        |
| RWCs/MOCs |        | 10    | Not Activated              |                          |                     |                     |                         |
| RRCCs     |        | 10    | Activated<br>Not Activated | Region VI<br>Region VIII | Level I             | 24/7                | Tropical Cyclone Harvey |

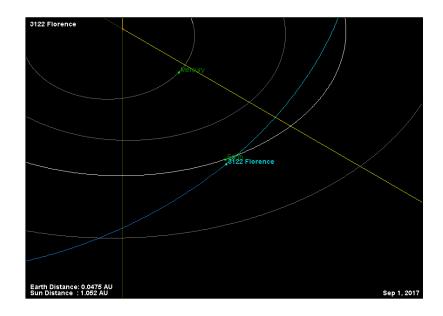
**Back-up Regions: I and X** 

### NEO Florence, September 1



#### **Situation**

- Asteroid Florence, one of the largest Near Earth Objects (NEO), about
   2.7 miles in diameter, will pass by the Earth on September 1
- At it's closest it will be about 4.4 million miles (18 times the average Earth-Moon distance) from Earth
- While this pass will allow an excellent opportunity for detailed observations and measurements, it poses no risk of colliding with Earth (JPL/NASA)
- Torino Scale of 0





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.