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
Severe Weather Outlook – Days 1-3
Precipitation Forecast / Flash Flood Risk

Days 1-3
6-10 Day Outlooks

6-10 Day Temperature Probability

6-10 Day Precipitation Probability
## Space Weather

<table>
<thead>
<tr>
<th></th>
<th>Space Weather Activity</th>
<th>Geomagnetic Storms</th>
<th>Solar Radiation</th>
<th>Radio Blackouts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Past 24 Hours</td>
<td>Moderate</td>
<td>G2</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Next 24 Hours</td>
<td>Minor</td>
<td>G1</td>
<td>None</td>
<td>None</td>
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</table>

For further information on NOAA Space Weather Scales refer to [http://www.swpc.noaa.gov/noaa-scales-explanation](http://www.swpc.noaa.gov/noaa-scales-explanation)

### HF Communication Impact

![HF Communication Impact Chart](chart_url)

### Sunspot Activity

![Sunspot Activity Chart](chart_url)
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

<table>
<thead>
<tr>
<th>Region</th>
<th>State / Location</th>
<th>Event</th>
<th>IA/PA</th>
<th>Number of Counties</th>
<th>Start – End</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>New Hampshire</td>
<td>Severe Weather Jun 30 – Jul 1, 2017</td>
<td>IA</td>
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<td>PA</td>
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<td></td>
<td>Vermont</td>
<td>Severe Weather Jun 30 – Jul 1, 2017</td>
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Declaration Request

**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
## Declaration Requests in Process

<table>
<thead>
<tr>
<th>Declaration Requests in Process</th>
<th>Requests APPROVED (since last report)</th>
<th>Requests DENIED (since last report)</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>Date Requested</td>
<td></td>
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<tr>
<td>OR – DR (Appeal) Severe Winter Storm</td>
<td>June 9, 2017</td>
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<tr>
<td>OK – DR Severe Storms, Tornadoes, Straight-line Winds, and Flooding</td>
<td>July 6, 2017</td>
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<tr>
<td>NY – DR ( Expedited) DR Flooding</td>
<td>July 10, 2017</td>
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<tr>
<td>WY – DR Flooding</td>
<td>July 10, 2017</td>
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<tr>
<td>NE – DR Severe Storms, Tornadoes, and Straight-line Winds</td>
<td>July 13, 2017</td>
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### Readiness – Deployable Teams and Assets

<table>
<thead>
<tr>
<th>Resource</th>
<th>Force Strength</th>
<th>Available</th>
<th>Deployed</th>
<th>Other</th>
<th>Cadres with less than 25% availability</th>
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<tbody>
<tr>
<td>National IMATs*</td>
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<tr>
<td>East 1:</td>
<td>B-2</td>
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<td>East 2:</td>
<td>Charlie</td>
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<tr>
<td>West:</td>
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<td>Regional IMATs</td>
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<td>PMC / NMC:</td>
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<td>Available:</td>
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<td>PMC / NMC:</td>
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<tr>
<td>Deployed:</td>
<td>3</td>
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</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Total Workforce</th>
<th>10,399</th>
<th>5,812</th>
<th>55%</th>
<th>3,182</th>
<th>1,405</th>
</tr>
</thead>
<tbody>
<tr>
<td>Safety (23%)</td>
<td></td>
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</tbody>
</table>

### Map

- **National IMATs**
  - East 1: B-2
  - East 2: Charlie
  - West: B-48
- **Regional IMATs**
  - Assigned: 13
  - Available: 5
  - PMC / NMC: 1
  - Deployed: 7
- **US&R**
  - Assigned: 28
  - Available: 28
  - PMC / NMC: 0
  - Deployed: 0
- **MERS**
  - Assigned: 36
  - Available: 36
  - NMC: 0
  - Deployed: 0
- **FCO**
  - Assigned: 35
  - Available: 9
  - PMC / NMC: 5
  - Deployed: 21
- **FDRC**
  - Assigned: 11
  - Available: 6
  - PMC / NMC: 2
  - Deployed: 3

**As of 9:06 a.m. EDT July 17, 2013**
## FEMA Readiness – Activation Teams

<table>
<thead>
<tr>
<th>Resource</th>
<th>Status</th>
<th>Total</th>
<th>Status</th>
<th>Activated Team</th>
<th>Activation Level</th>
<th>Activation Times</th>
<th>Reason/Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>NWC</td>
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<td>Not Activated</td>
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<tr>
<td>NRCC</td>
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<td>NRCS Gold Team – July primary</td>
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<tr>
<td>HLT</td>
<td></td>
<td>1</td>
<td>Activated</td>
<td></td>
<td></td>
<td></td>
<td>Hurricane Season</td>
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<tr>
<td>RWCs/MOCs</td>
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<tr>
<td>RRCCs</td>
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<td>10</td>
<td>Activated</td>
<td>Region VIII</td>
<td>Level III</td>
<td>Day shift only</td>
<td>Supporting 4323-DR-ND</td>
</tr>
</tbody>
</table>

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