

FEMA National Watch Center

# Daily Operations Briefing

Wednesday, December 1, 2021

8:30 a.m. ET



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# National Current Ops / Monitoring

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## New Significant Incidents / Ongoing Ops

- None

## Hazard Monitoring

- Elevated Fire Risk - California

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## Disaster Declaration Activity

- None

## Event Monitoring

- None



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# 2021 Atlantic Hurricane Season Summary

## 2021 Atlantic Hurricane Season by the numbers



**21**

**Named storms**

Average is fourteen

Ana      Larry  
Bill      Mindy  
Claudette    Nicholas  
Danny      Odette  
Elsa      Peter  
Fred      Rose  
Grace      Sam  
Henri      Teresa  
Ida      Victor  
Kate      Wanda  
Julian

**5**

**Rapidly intensifying storms**

Elsa, Grace, Ida, Larry, Sam

**7**

**Hurricanes**

Average is seven

**4**

**Major hurricanes**

Average is three

**8**

**Storms hitting the U.S. coastline**

**7<sup>th</sup>**

**Consecutive year with a named storm forming before June 1st**



**NOAA Hurricane Hunters**

**58**

**Hurricane eyewall passages**

**462.2**

**Flight hours**

**1,310**

**Dropsondes deployed**

to gather vital atmospheric data



**NOAA underwater hurricane gliders**

**66**

**Glider deployments**

**2,309**

**Glider days**

**78,328**

**Temperature and salinity profiles**

These help improve forecasts for current storms



**15**

**NOAA weather satellites in operation**

**6<sup>th</sup>**

**consecutive above-normal season**

Previous record: 4 from 1998 to 2001

**59**

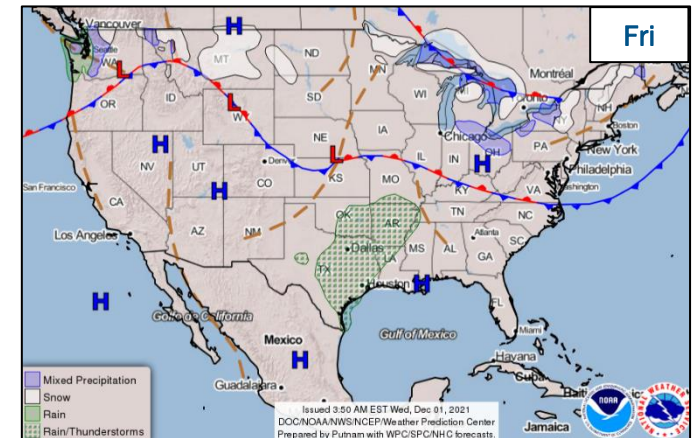
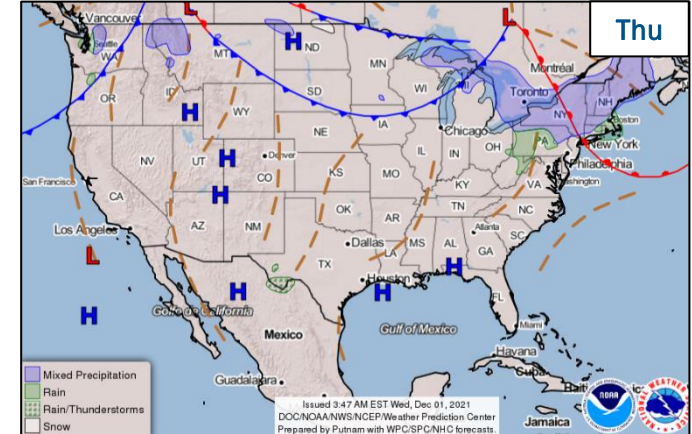
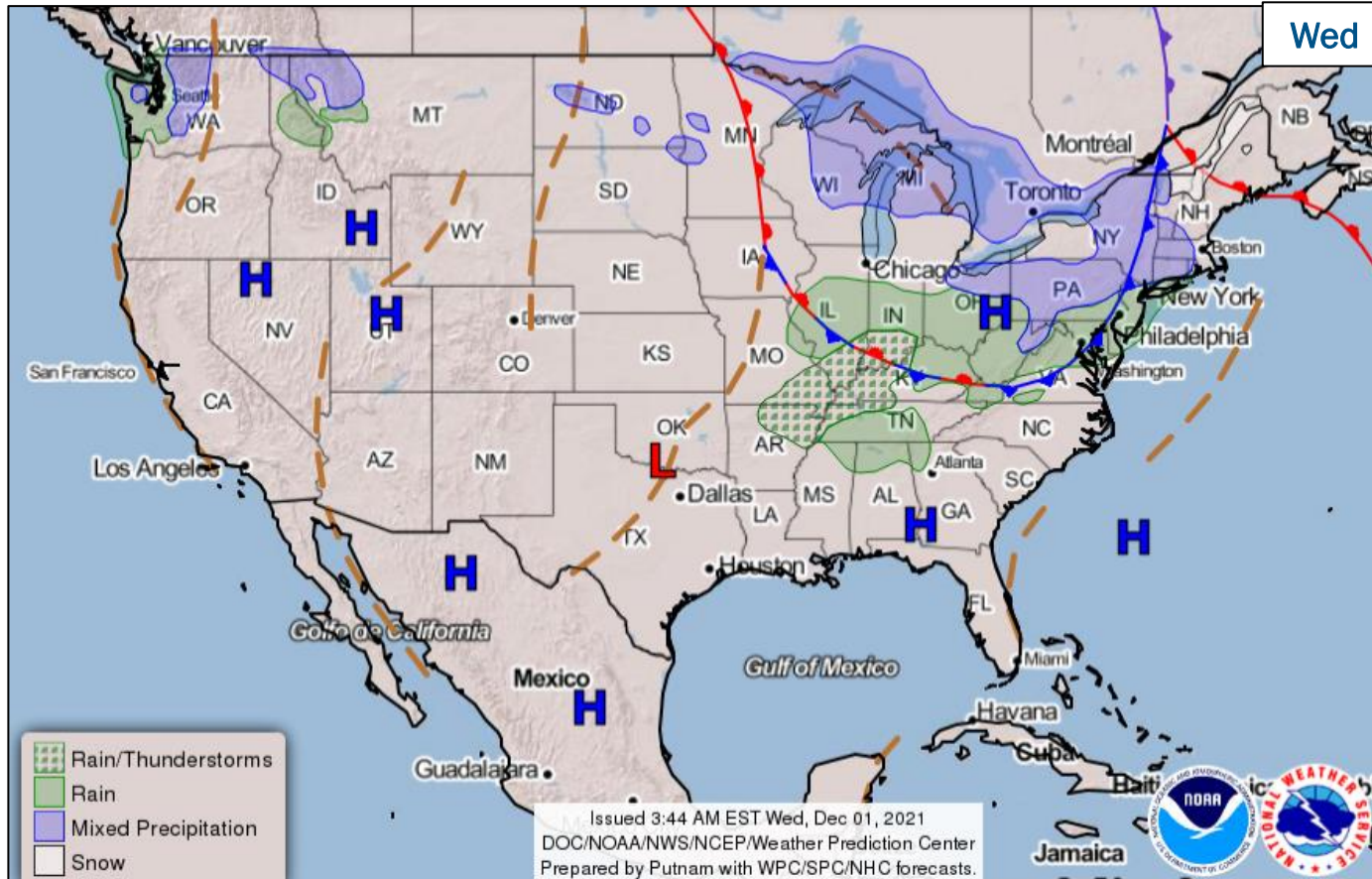
**Facebook Live broadcasts**

from the National Hurricane Center



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# National Weather Forecast



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# Space Weather Summary/Outlook

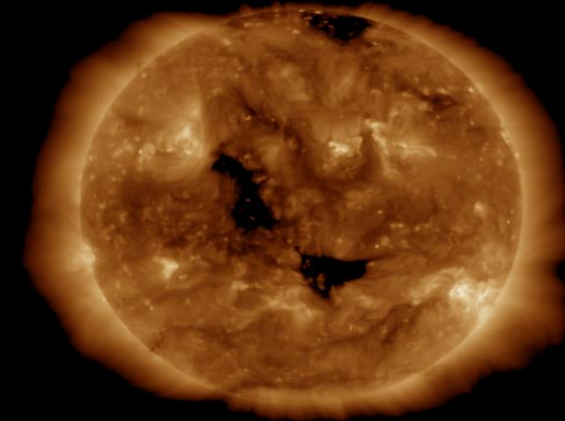
Space Weather Type	Past 48 Hours	Forecast: Dec 1 <sup>st</sup>	Forecast: Dec 2 <sup>nd</sup>
Solar Flare (Radio Blackout)   R Scale	None	5%	5%
Solar Radiation Storms   S Scale	None	1%	1%
Geomagnetic Storms   G Scale	G1	None	None

Currently quiet across the R and S scales. Isolated G1 occurred late 30 Nov due to +CH HSS.

The solar wind is elevated under continued HSS influence w/ speeds ~500-550 km/s. Total field has settled to near nominal levels since the isolated G1 period late on 30 Nov.

Three sunspot regions are present, none of which have a history of producing significant solar flares or radiation storms.

A large filament eruption occurred near center disk on 29 Nov. Minor passing influence (below G1) is forecast on 03 Dec.



GOES-16 SUVI Composite 195 Angstroms 2021-12-01 08:48:39



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# Joint Preliminary Damage Assessments

Region	State / Location	Incident	IA	Number of Counties		Start - End
			PA	Requested	Complete	
I	ME	Coastal Storm Oct 30-31	IA	0	0	N/A
			PA	4	0	11/8 - TBD



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# Declaration Requests in Process – 2

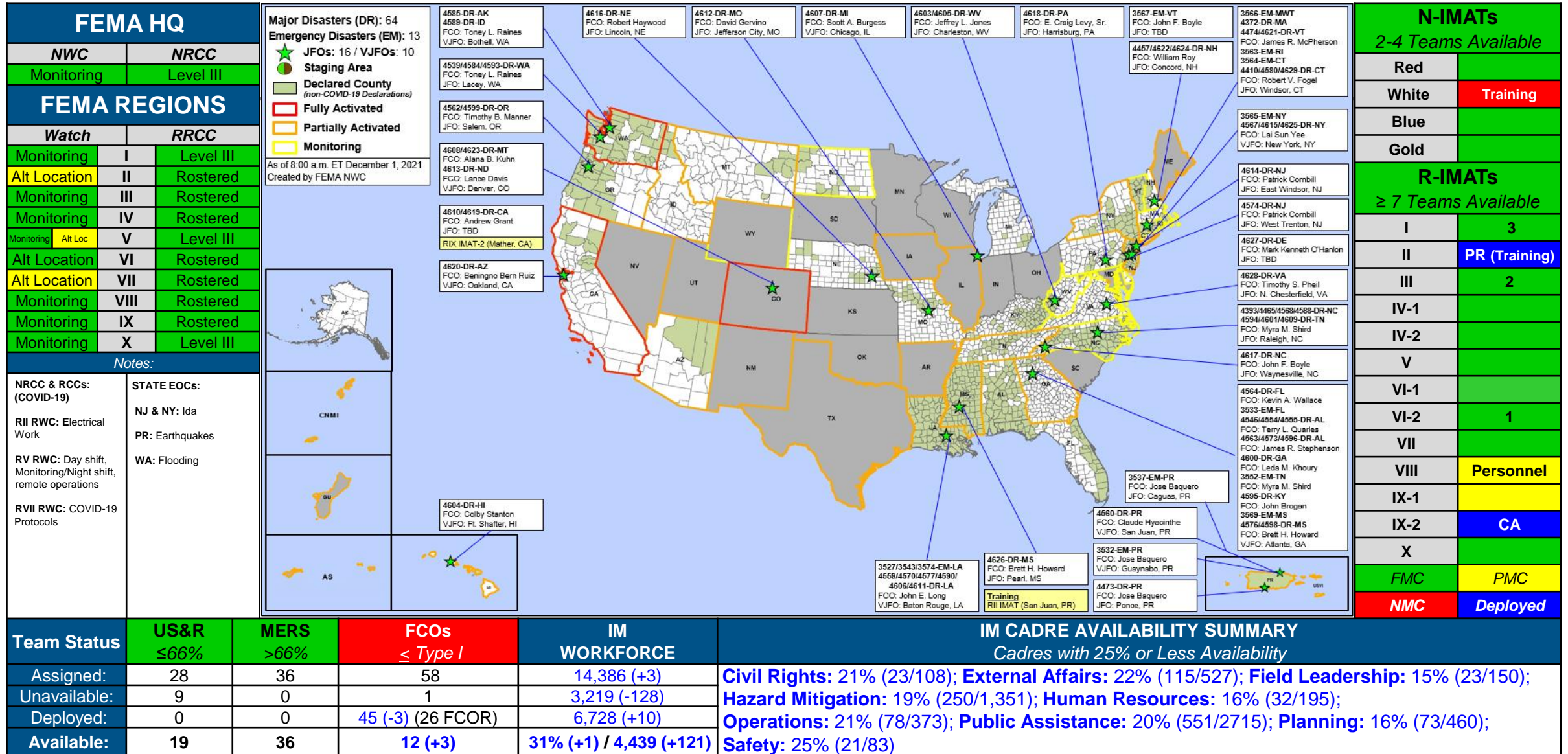
State / Tribe / Territory – Incident Description	Type	IA	PA	HM	Requested
CTCR* – Drought, Fire, and Straight-Line Winds	DR		X	X	Nov 15
AL – Flooding	DR	X		X	Nov 19

\* Confederated Tribes of the Colville Reservation



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# FEMA Common Operating Picture







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Helping people before, during, and after disasters.



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