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WEATHER REPORT

Arizona: Enhanced Risk of Severe Storms and Large Hail Today After 2-Inch Hail Near Mesa · Southwest Flash-Flood Watches · Nor'easter Flood Warnings Into Thursday · Today's Weather Extremes

Wednesday morning, October 21, 2026 · Issued 8:15 AM CT · Operated by Meridian Desk for HailDataHub

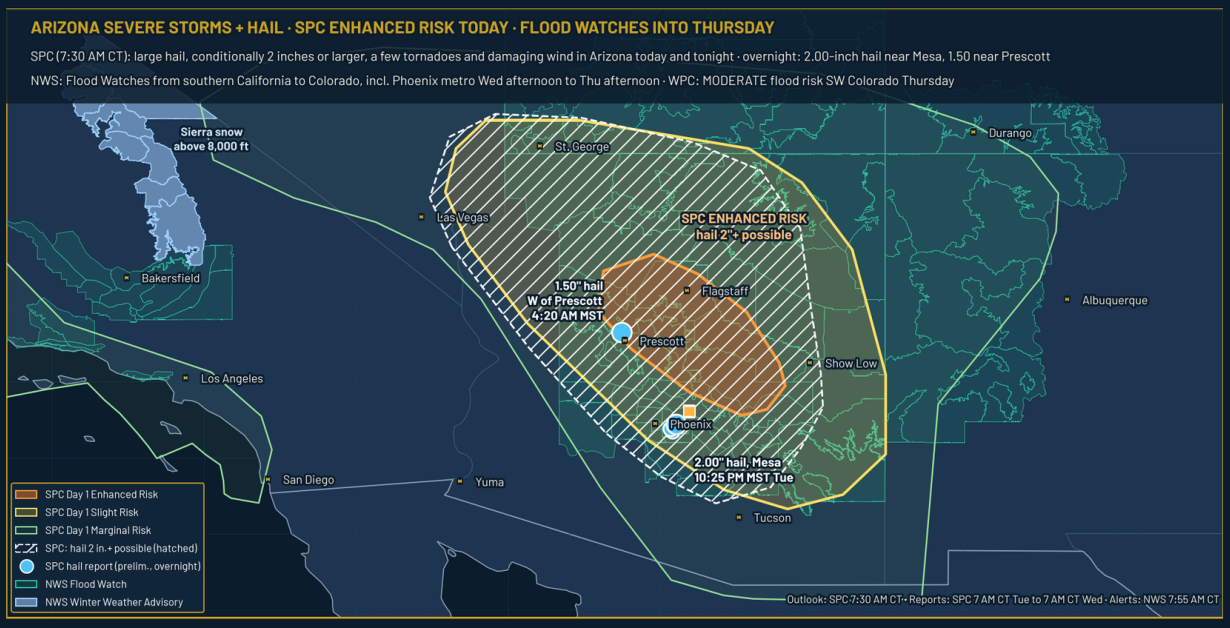
ARIZONA: A RARE OCTOBER SEVERE-WEATHER DAY

SPC has an **Enhanced Risk** (level 3 of 5) for parts of Arizona today and tonight: supercells with **large hail, conditionally 2 inches or larger**, a few tornadoes and damaging wind, in multiple rounds. Overnight, a storm dropped **2-inch hail near Mesa** and **1.5-inch hail near Prescott** (SPC preliminary). **Flood Watches** stretch from southern California to Colorado, including the Phoenix metro, into Thursday.

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ARIZONA HAIL + SEVERE STORMS

SPC 7:30 AM CT: Enhanced Risk, hail 2 in.+ possible · 2.00 in. hail near Mesa overnight (SPC prelim.) · NWS Flood Watches into Thu



haildatahub.com · Full report · NWS / WPC / SPC / NOAA NHC

Also this morning: the **nor'easter** keeps a **Coastal Flood Warning on Hatteras Island into Thursday**, NWS added a **warning for Virginia Beach**. Out west, the season's first **Sierra snow** above 8,000 feet. **Super Typhoon Champi** (about 175 mph) nears Japan's southern islands by Friday. In Illinois, no alerts. Plus today's weather extremes, coldest to hottest.

haildatahub.com · Sources: SPC 7:30 AM CT · NWS alerts 7:55 AM CT · WPC 2:40 and 3:03 AM CT · NHC 6 and 7 AM CT · JTWC 028 · station reports

1 · Arizona severe storms and hail (lead)

Safety first: A supercell rolled from Chandler through Mesa around 10 PM Arizona time with hail up to 2 inches, and SPC says today could bring more, in several rounds. If you are in central or northern Arizona, park in a garage this afternoon.

Item	Official (SPC, NWS; times CT unless noted)
Today's outlook	**SPC Day 1 Outlook (7:30 AM CT): Enhanced Risk** of severe storms across parts of Arizona, with a Slight Risk extended west into northwest Arizona, southeast Nevada and southwest Utah, and a Marginal Risk into southern Nevada and western New Mexico. Hail probability **30%** within 25 miles, with a hatched area where hail of 2 inches or larger is possible; tornado 5%; wind 15%. SPC: strong shear (40 to 55+ kt) will support supercells; "a conditional risk for 2+ inch diameter hail"; a few tornadoes may focus over northwest and north-central Arizona this afternoon and early evening; "multiple rounds of strong to severe thunderstorms appear likely today into tonight." Next SPC update by 11:30 AM CT.
Overnight hail	**2.00 in.** 3 miles ENE of **Mesa** (10:25 PM MST Tue, 12:25 AM CT Wed; trained spotter photo of a pile of stones about 1 to 2 inches); **1.00 in.** near Mesa and 3 W of Gilbert (Chandler); **1.50 in.** 5 miles west of the **Prescott** airport (4:20 AM MST, 6:20 AM CT Wed). Power lines down near Mesa and Saguaro Lake (SPC preliminary reports, NWS Phoenix and Flagstaff)
Tornado warning	NWS Flagstaff issued a radar-indicated **Tornado Warning** at 5:49 AM MST (7:49 AM CT) for a storm near Fort Valley, 11 miles northwest of Flagstaff, moving northeast at 35 mph, with quarter-size hail; it ran to 8:15 AM CT. No tornado report has been logged by SPC
NWS Phoenix	"A highly impactful weather event is likely" through Thursday: gusts over 60 to 70 mph, hail over 1 to 2 inches and an isolated tornado or two are all possible with any severe storm, plus flash flooding from rain rates of 1 to 2 inches per hour (forecast discussion, 6 AM CT)



Map: HailDataHub from the SPC Day 1 outlook (7:30 AM CT), SPC preliminary storm reports (7 AM CT Tue to 7 AM CT Wed) and NWS Flood Watch and winter areas (api.weather.gov).

Who's in the path

- **Prescott, Flagstaff, Sedona, Cottonwood, Payson and the Mogollon Rim:** inside the Enhanced Risk and the 30% hail area today
- **Phoenix metro (Mesa, Scottsdale, Gilbert, Chandler):** 15% hail risk today, inside the hatched 2-inch area, Flood Watch Wednesday afternoon to Thursday afternoon
- **Northwest Arizona, southern Nevada and southwest Utah:** Slight Risk, mainly for large hail from supercells this afternoon and evening

What changed since Tuesday morning's report (8:21 AM CT): Tuesday's lead was the nor'easter; this hail event is new. The 1.25-inch Deming hail (Monday) was the largest U.S. report then; Mesa's 2.00 inches tops it. SPC raised Arizona to an Enhanced Risk today.

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2 · Southwest flash flooding and first Sierra snow

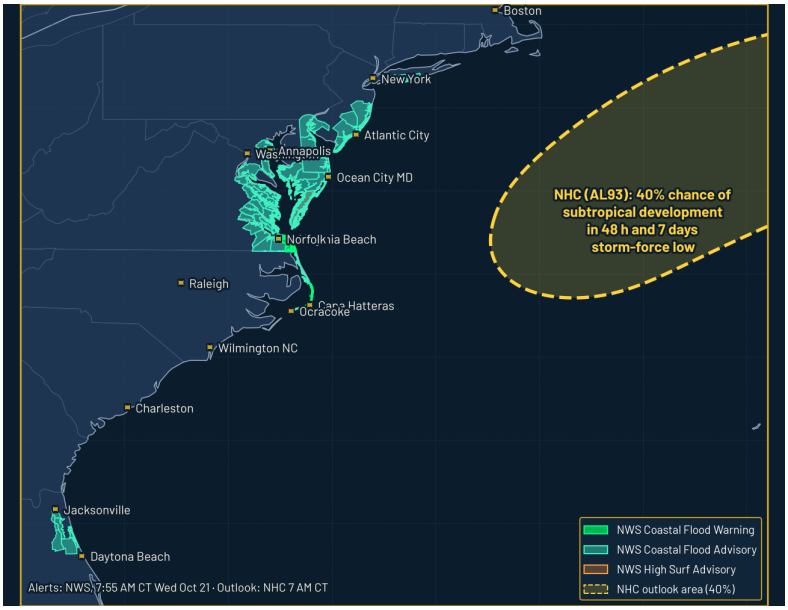
Item	Official (WPC, NWS)
Flood Watches	**15 NWS Flood Watches** from southern California to Colorado: **Phoenix metro** (Wednesday afternoon through Thursday afternoon), the Mogollon Rim and Superstitions to 1 AM CT Friday (NWS Phoenix), northern Arizona to 1 AM CT Friday (Flagstaff), southeast Arizona (Tucson), Lake Powell and southern Utah (Salt Lake City), the Four Corners and southwest Colorado to 1 PM CT Friday (Grand Junction), western New Mexico to 7 AM CT Friday (Albuquerque), plus burn scars and mountains in southern California (Los Angeles/Oxnard, Hanford) and Las Vegas
WPC	**Slight Risk** (level 2 of 4) of flooding rain today over the Southwest, Four Corners and southern California; hourly rain to 2.5 inches is possible. **Thursday: MODERATE Risk** (level 3 of 4) for southwest Colorado, with a 'higher end Slight Risk' across Arizona, New Mexico and Utah. Urban areas, burn scars, slot canyons and dry washes are the main concern (WPC, 3:03 AM CT)
Sierra snow	**Winter Weather Advisories** above 8,000 feet: Yosemite, Kings Canyon and Sequoia high country, 60 to 80% chance of 4 inches or more, 70% chance along Tioga Pass/Highway 120, 1 PM CT today to 1 PM CT Thursday (NWS Hanford); Mono County 4 to 8 in., up to 10 in. on the peaks, to 7 PM CT Thursday (NWS Reno)

What changed since Tuesday morning: Arizona's Flood Watches (new Tuesday) now span 15 watches across six states, WPC added a Moderate Risk for Thursday, and the Sierra advisories are new.

3 · East Coast nor'easter

Item	Official (NHC, WPC, NWS; alerts as of 7:55 AM CT)
The storm	**NHC Atlantic outlook (7 AM CT):** the storm-force non-tropical low a few hundred miles off the mid-Atlantic coast could lose its frontal features and possibly become **subtropical** over the next day or two: **40% in 48 hours, 40% in 7 days**. By Friday it speeds northeast, away from the U.S. High winds, coastal flooding and dangerous surf happen either way. **WPC (2:40 AM CT):** coastal flooding, dangerous seas and beach erosion at high tide from southern New Jersey to the North Carolina coast; gusts over 40 mph, mainly on the Outer Banks; improving Thursday.
North Carolina	**NWS Newport/Morehead City (7:37 AM CT): Coastal Flood WARNING for Hatteras Island**, 2 to 4 ft of water in low spots, now **until 8 PM EDT (7 PM CT) Thursday**, with "a possibility of being stranded on Hatteras Island for multiple days." **Ocracoke** was lowered to a Coastal Flood Advisory (1 to 3 ft, to 7 AM CT Thursday). Northern Outer Banks: advisory 1 to 3 ft, to 7 PM CT Thursday. Breaking waves 9 to 12 ft on Hatteras, 8 to 12 ft on the northern beaches. **Briefing #14 (7:46 AM CT):** winds and seas ease Thursday, but coastal flooding continues; high tides through Thursday may be similar to or higher than so far.
Outer Banks access	Check **DriveNC.gov (NCDOT)** for NC 12 road status before driving. **Dare County Bulletin #5:** the Hatteras Island visitor evacuation remains in effect.
Virginia + Maryland	**NWS Wakefield: new Coastal Flood WARNING for Virginia Beach**, 1 to 2 ft of water, 2 PM CT today to 8 AM CT Thursday. Advisories (up to 1 ft) for Norfolk, Chesapeake, Portsmouth, Suffolk, Hampton, Newport News and nearby counties to 1 AM CT Friday; the Northern Neck to 2 AM CT Friday; Dorchester, Wicomico and Somerset (MD) to 3 AM CT Friday; Maryland beaches and the Eastern Shore to 1 PM CT Thursday. **NWS Baltimore/Washington:** advisories for Anne Arundel, Calvert, Charles and King George into Thursday.
NJ, Delaware, NY	**NWS Mount Holly:** advisories to 9 PM CT tonight, up to 1 ft, for the Jersey Shore (Ocean, Atlantic, Cape May, SE Burlington), Kent, inland Sussex and the Delaware beaches, plus New Castle and Salem this evening; more elevated tides are expected after tonight. **NWS Upton:** advisories this afternoon and evening for southern Nassau and southwest Suffolk (Long Island).
Florida	**NWS Jacksonville:** Coastal Flood Advisories to 3 PM CT Thursday. **NWS Key West:** saltwater flooding in the Upper Keys to 4 AM CT Thursday. **NWS Miami:** High Surf Advisory for coastal Palm Beach County.

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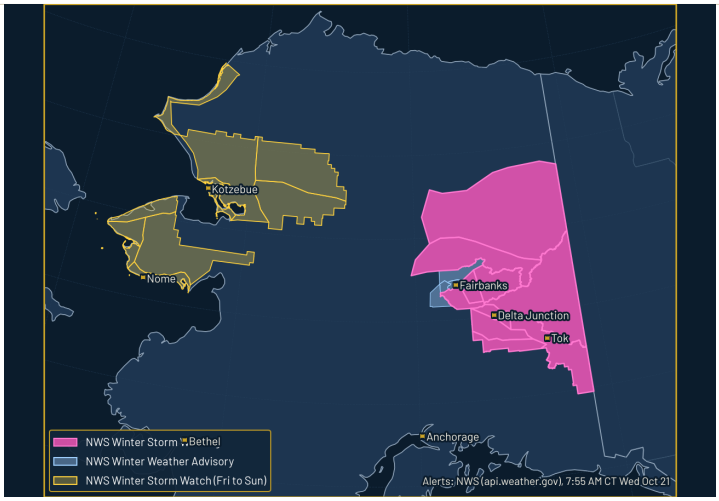


Map: HailDataHub from NWS coastal flood and surf products (api.weather.gov, 7:55 AM CT) and the NHC outlook area (GIS, 7 AM CT). Cancelled and replaced alerts removed.

What changed since Tuesday morning: the Hatteras warning was extended from Wednesday evening to **Thursday evening**; Ocracoke dropped to an advisory; **Virginia Beach** moved up to a warning; advisories spread to Long Island and the Maryland side of the Chesapeake. The Outer Banks Wind Advisory has ended. NHC stays at 40%/40%.

4 · Winter check: Alaska; Illinois quiet

Area	Official (NWS alerts as of 7:55 AM CT; times in CT)
Interior Alaska	**Winter Storm Warnings** end at **7 PM CT today**: Delta Junction, Upper Tanana and Fortymile 6 to 12 in., locally 12 to 16 (Tanacross to Dot Lake); Yukon Flats, White Mountains and Upper Chena 5 to 11 in.; Tanana Flats, Eielson and Salcha 5 to 10 in. Eastern Alaska Range: up to 2 more inches, to 7 AM CT Thursday. Fairbanks: Winter Weather Advisory, 3 to 7 in. total (NWS Fairbanks)
Western Alaska	**Winter Storm Watches** Friday to Sunday for the Seward Peninsula, Bering Strait coast, Kobuk valleys, Baldwin Peninsula and western Arctic coast; **Coastal Flood Watches** for the Yukon Delta, Kuskokwim Delta and southern Seward Peninsula coasts; Storm Warnings over the Bering Sea and western Aleutians (NWS Fairbanks, Anchorage)
Lower 48 + Illinois	Winter alerts only in the high Sierra (section 2). **Illinois has no active alerts.** Dense fog in northwest Ohio, northern Indiana and southeast Michigan to 9 AM CT; the U.S. low on Tuesday was 17°F near Davis, WV

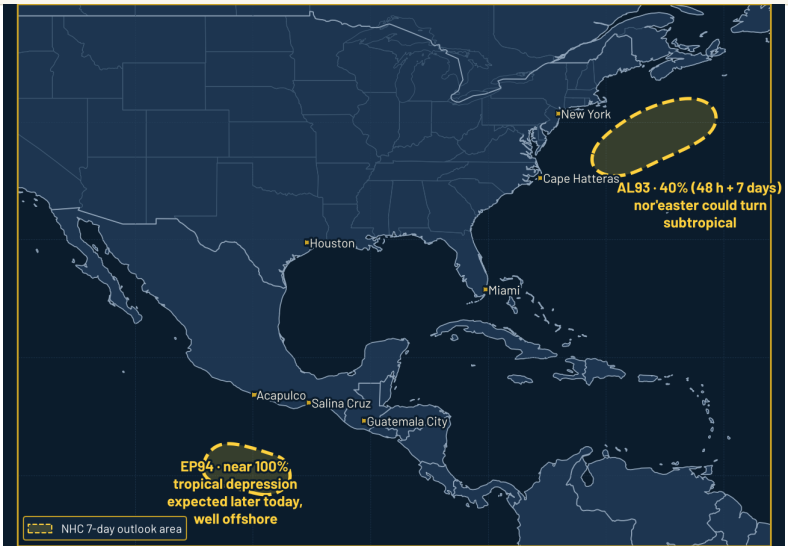


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What changed since Tuesday morning: the Interior warnings now end today, and the Alaska Range total is down to a final 2 inches. The Anchorage-area advisories and the Southeast Alaska flood and wind alerts have ended. The western Alaska watches are new.

5 · Tropics check

Basin	Official (NOAA NHC, CPHC, JTWC, JMA)
Atlantic	No tropical cyclones. The nor'easter (Invest 93L): **40% in 48 hours, 40% in 7 days** (NHC, 7 AM CT). Not a named storm
Eastern Pacific	Invest 94E, a few hundred miles south-southwest of the Gulf of Tehuantepec: **near 100%**; NHC expects a **tropical depression to form later today** while it moves west to west-northwest near 10 mph, **well offshore** of southern Mexico (NHC, 6 AM CT). Not named yet
Central Pacific	A low may form southwest of Johnston Atoll late this weekend or early next week: 0% in 48 hours, 20% in 7 days (CPHC)
Western Pacific	**Super Typhoon Champi:** about **175 mph** (150 kt, gusts near 205 mph), 904 mb, about 472 nautical miles (543 mi) south of Kadena Air Base, Okinawa, moving WNW at 15 mph (13 kt) (JTWC Warning 028, 4 AM CT). JTWC weakens it to about 80 mph by Saturday in the East China Sea, then turns it northeast toward western Japan. JMA: violent winds for Okinawa's Sakishima Islands from Friday. No U.S. land threat



What changed since Tuesday morning: Eastern Pacific odds rose from 90% to near 100%. Champi strengthened from about 155 to 175 mph (pressure 922 to 904 mb) and its track bent toward the Sakishima Islands. The Atlantic stays at 40%.

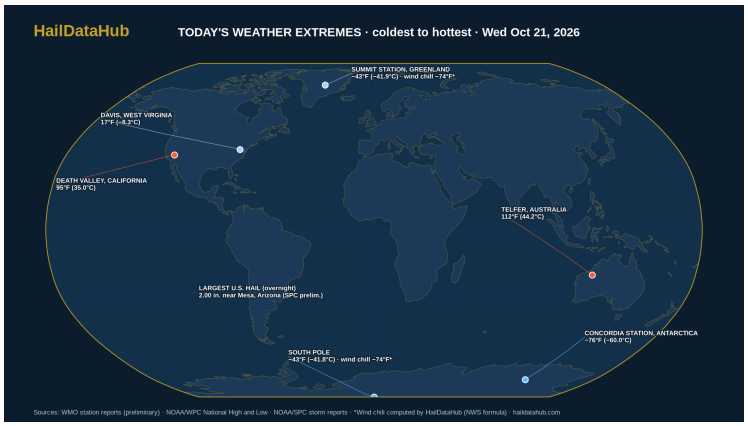
6 · Today's Weather Extremes · coldest to hottest

Extreme	Value	Place / station	Time (CT) · source
World low	−60.0°C (−76°F)	Concordia Station (Dome C), Antarctica (WMO 89625)	Observation 18 UTC Oct 20 (1 PM CT Tue) · station report, preliminary
South Pole now	−41.8°C (−43°F); wind 12 kt (14 mph); wind chill −74°F (computed)	Amundsen-Scott South Pole Station (WMO 89009)	12 UTC Oct 21 (7 AM CT) · station report · wind chill computed by HailDataHub (NWS formula)
Greenland now	−41.9°C (−43°F); wind 12 kt (14 mph); wind chill −74°F (computed)	Summit Station, Greenland (WMO 04419)	12 UTC Oct 21 (7 AM CT) · station report · wind chill computed (NWS formula)
U.S. low	17°F	5 mi E of Davis, WV	Tue Oct 20 · NOAA/WPC National High and Low, issued 9:30 PM CT Tue (preliminary)
U.S. high	95°F	Death Valley, CA (tie with 16 mi SW of Tecopa, CA)	Tue Oct 20 · NOAA/WPC National High and Low, issued 9:30 PM CT Tue (preliminary)

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Extreme	Value	Place / station	Time (CT) · source
World high	44.2°C (112°F)	Telfer, Western Australia (WMO 94319); tie with Tete, Mozambique (WMO 67261)	12-h maximums reported 13 UTC (8 AM CT) and 18 UTC Oct 20 · station report, preliminary
Largest U.S. hail	2.00 in.	3 mi ENE of Mesa, AZ	10:25 PM MST Tue (12:25 AM CT Wed) · SPC storm reports (preliminary)

World values are preliminary, from station rankings, each re-checked against the station's own report. Left out: a 54.5°C reading from Belize (not physically plausible), Dome A (its sensor has barely changed for days), and Vostok's −64.2°C, which belongs to Monday's period and was in Tuesday's report.



7 · Top Weather Stories (verified)

1) Super Typhoon Champi aims at Japan's southern islands: JTWC Warning 028 puts it near **175 mph**, 904 mb, near its peak (JTWC had 155 kt, about 180 mph, at 7 PM CT Tuesday). Japan's weather agency (JMA) warns of violent winds and waves up to 11 meters for the Sakishima Islands from Friday, with western Japan possible later. No U.S. land threat.

2) California's first big storm of the season: a deep low near Point Conception brings heavy rain, burn-scar flood watches, mountain snow above 8,000 feet and an isolated severe gust or tornado risk on the central and southern coast today (SPC, NWS).

3) Storm Austen upgraded in the UK: the Met Office issued an **Amber** wind warning for Cornwall, the Isles of Scilly and parts of west Devon for Friday morning, with gusts of 60 to 70 mph and up to 80 mph on headlands; a wider Yellow warning covers southern England and south Wales from Thursday night. (Met Office).

4) Southwest flood risk peaks Thursday: WPC's first Moderate Risk of the week for southwest Colorado, after this morning's Arizona hail.

Wrapped: the Deming, NM tornado (Oct 19) remains emergency-manager-confirmed in the NWS warning; NWS has not posted a survey or rating, and SPC has not logged it. This is our final line on it unless a survey is published.

8 · What customers should do

- **Arizona today:** park cars in a garage or covered lot before afternoon storms; if a Severe Thunderstorm or Tornado Warning is issued, go inside, away from windows
- **Phoenix, Flagstaff, the Four Corners and SoCal burn scars:** never drive into a flooded wash or road; turn around
- **Outer Banks and Virginia Beach:** check DriveNC.gov for NC 12 before you go; move vehicles to higher ground and stay off the beach near high tide through Thursday
- **After hail, wind or flood damage:** photograph roofs, siding, windows and vehicles from several angles before cleanup, note the date and time, keep receipts, make only temporary repairs, then call your insurer

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9 · Sources (clickable)

SPC Day 1 Convective Outlook www.spc.noaa.gov/products/outlook/day1otlk.html	**SPC storm reports (yesterday)** www.spc.noaa.gov/climo/reports/yesterday.html
NWS Phoenix forecast discussion forecast.weather.gov/product.php?issuedby=PSR&pr...	**NWS Phoenix alerts** forecast.weather.gov/wwamap/wwatxtget.php?cwa=ps...
NWS Flagstaff alerts forecast.weather.gov/wwamap/wwatxtget.php?cwa=fg...	**NWS Tucson alerts** forecast.weather.gov/wwamap/wwatxtget.php?cwa=tw...
NWS Grand Junction alerts forecast.weather.gov/wwamap/wwatxtget.php?cwa=gj...	**NWS Albuquerque alerts** forecast.weather.gov/wwamap/wwatxtget.php?cwa=ab...
NWS Salt Lake City alerts forecast.weather.gov/wwamap/wwatxtget.php?cwa=sl...	**NWS Los Angeles/Oxnard alerts** forecast.weather.gov/wwamap/wwatxtget.php?cwa=lo...
NWS Hanford alerts forecast.weather.gov/wwamap/wwatxtget.php?cwa=hn...	**NWS Reno alerts** forecast.weather.gov/wwamap/wwatxtget.php?cwa=re...
WPC Excessive Rainfall Outlooks www.wpc.ncep.noaa.gov/qpf/excess_rain.shtml	**WPC Short Range Discussion** www.wpc.ncep.noaa.gov/discussions/hpcdiscussions...
NHC Atlantic Tropical Weather Outlook www.nhc.noaa.gov/text/MIATWOAT.shtml	**NHC outlook graphics (Atlantic)** www.nhc.noaa.gov/gtwo.php?basin=atlc
NHC outlook GIS areas www.nhc.noaa.gov/xgtwo/gtwo_shapefiles.zip	**NHC Eastern Pacific outlook** www.nhc.noaa.gov/text/MIATWOEP.shtml
CPHC Central Pacific outlook www.nhc.noaa.gov/text/HFOTWOCP.shtml	**NWS Newport/Morehead City alerts** forecast.weather.gov/wwamap/wwatxtget.php?cwa=mh...
NWS Newport/Morehead City briefing (PDF) www.weather.gov/media/mhx/DssPacket.pdf	**NWS Wakefield alerts** forecast.weather.gov/wwamap/wwatxtget.php?cwa=ak...
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NWS Key West alerts forecast.weather.gov/wwamap/wwatxtget.php?cwa=ke...	**Dare County Bulletin #5** www.darenc.gov/Home/Components/News/News/9680/17
DriveNC (NCDOT) road conditions drivenc.gov/	**NWS Fairbanks alerts** forecast.weather.gov/wwamap/wwatxtget.php?cwa=af...
NWS Anchorage alerts forecast.weather.gov/wwamap/wwatxtget.php?cwa=af...	**NWS Chicago alerts** forecast.weather.gov/wwamap/wwatxtget.php?cwa=lo...
NWS active alerts (API) api.weather.gov/alerts/active	**JTWC Warning 028, Champi (29W)** www.metoc.navy.mil/jtwc/products/wp2926web.txt
WPC National High and Low www.wpc.ncep.noaa.gov/discussions/hpcdiscussions...	**Met Office: Amber warning as Storm Austen approaches** www.metoffice.gov.uk/about-us/news-and-media/med...
NWS El Paso Tornado Warning text (Oct 19) kamala.cod.edu/offs/KEPZ/2610192350.wfus54.html	**HailDataHub storm article** haildatahub.com/gulf-tropics-weather-update/
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