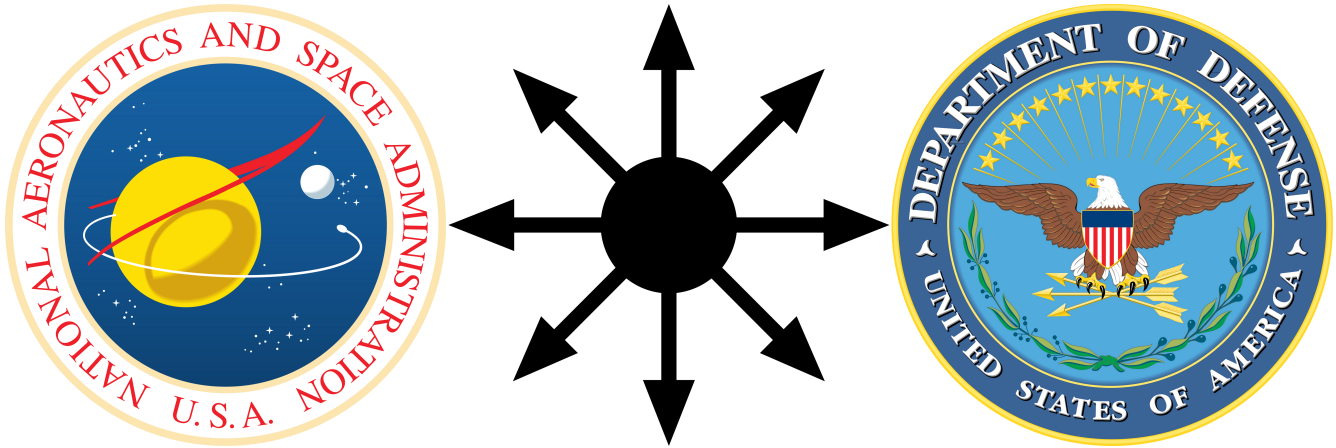


# U.S. Military Weather Terrorism on Political Dates



[Weather Modification History](#)

[We Will Bury You. In Mud.](#)

*Owning the weather*

[Is The U.S. Waging Weather Warfare?](#)

[Weather Control and National Strategy](#)

By Commander William J. Kotsch, USN

July 1960 | Proceedings | Vol. 86/7/689

[Weather as a Force Multiplier: Owning the Weather in 2025](#)

*An unclassified Research Paper Presented To Air Force 2025: 2025 is a study designed to comply with a directive from the chief of staff of the Air Force to examine the concepts, capabilities, and technologies the United States will require to remain the dominant air and space force in the future. Presented on 17 June 1996, this report was produced in the Department of Defense school environment of academic freedom and in the interest of advancing concepts related to national defense.*

*Abstract: In 2025, US aerospace forces can own the weather by capitalizing on emerging technologies and focusing development of those technologies to war fighting applications. Such a capability offers the war fighter tools to shape the battlespace in ways never before possible. It provides opportunities to impact operations across the full spectrum of conflict and is pertinent to all possible futures. The purpose of this paper is to outline a strategy for the use of a future weather modification system to achieve military objectives rather than to provide a detailed technical road map. A high risk, high reward endeavor, weather modification offers a dilemma not unlike the splitting of the atom. While some segments of society will always be reluctant to examine controversial issues such as weather modification, the tremendous military capabilities that could result from this field are ignored at our own peril. From enhancing friendly operations or disrupting those of the enemy via small scale tailoring of natural weather patterns to complete dominance of global communications and counterspace control, weather modification offers the war fighter a wide range of possible options to*

*defeat or coerce an adversary. Some of the potential capabilities a weather modification system could provide to a war fighting commander in chief CINC are listed in table 1. Technology advancements in five major areas are necessary for an integrated weather modification capability 1 advanced nonlinear modeling techniques, 2 computational capability, 3 information gathering and transmission, 4 a global sensor array, and 5 weather intervention techniques. Some intervention tools exist today and others may be developed and refined in the future.*

### Operational Defenses through Weather Control in 2030

#### ABSTRACT

*The United States needs to incorporate the defense against directed energy weapons with the same intensity used developing anti-ballistic missile defenses. One of the major drawbacks to optical or directed energy systems is the inability to penetrate clouds or dense fog. Advances in technology are beginning to bring weather phenomena under our control. Greatly increased computing power and micronized delivery systems will allow us to create specific perturbations in local atmospheric conditions. These perturbations allow for the immediate and lasting ability to create localized fog or stratus cloud formations shielding critical assets against attack from energy based weapons. The future of nanotechnology will enable creation of stratus cloud formations to defeat DEW and optically targeted attacks on United States assets. The solution the weather control problem involves networked miniature balloons feeding and receiving data from a four-dimensional variation (4d-Var) computer model through a sensor and actor network. A network of diamond-walled balloons enters the area to be changed and then both measures and affects localized temperature and vapor content. This system effectively shortens the control loop of an atmospheric system to the point it can be managed. The capabilities in the diamond-walled balloons are based on the future of nanotechnology.*

#### ‘To Prostitute the Elements’: Weather Control and Weaponisation by US Department of Defense

*The US military has a long and robust history of scientific research programs, often conducted in conjunction with civilian scientists at non-military governmental agencies as well as universities. These programs flourished in the immediate post-Second World War and the early cold war years, as the field of military science expanded to address the sprawling Soviet threat. One area of growth was in atmospheric science, which had already taken off preceding Second World War in conjunction with the growth of air warfare. Advances in meteorology, cloud science and climatology enabled military interests to align with weather forecasters and also agricultural interests, as old ideas about cloud seeding and weather control were revived in the light of new research. The military, largely through the Air Force, advanced a series of projects investigating the potential of weather and climate control, manipulation, and ultimately weaponisation. These programs, which were sometimes linked to US Department of Agriculture programs aimed at improving agricultural production, persisted for decades. Some of the newly developed tools were deployed: local climate manipulation efforts during the Vietnam conflict were aimed at impeding traffic along the Ho Chi Minh Trail, with mixed results. Significant efforts came during the Weather Bureau leadership of Francis W. Reichelderfer, whose papers contain a wealth of information about efforts ranging from cloud seeding to proposals to drop atomic weapons on hurricanes. These papers, along with those of Weather Bureau scientist Harry Wexler, provide a fascinating window to a time when the US military and scientific establishment seemed poised to grasp the levers of power over nature itself. This paper describes these little-studied programs, and situates these efforts within the broader military science programs accompanying the emergence of air warfare, as well as post-war science programs aimed at countering the Soviet challenge.*

#### FOIA Reveals U.S. Air Force Paper “Counterforce Weather Control: SPACECAST 2020”

##### *Subject and Problem Statement*

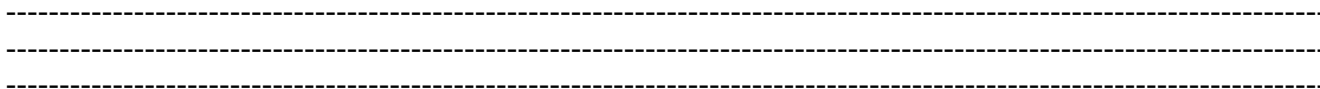
*This paper proposes a counterforce weather control system (with both space and ground based segments) and identifies the prerequisites necessary for such a system to be feasible. Atmospheric scientists have pursued terrestrial weather modification in earnest since the 1940s, but have made little progress because of scientific complexities, legal battles, social concerns, and the intricacies of control at the local, national, and international governmental levels. Developing a space-based weather control system for military applications enormously compounds this already difficult problem. The costs and risks are extremely high. However, the potential benefits to military powers are even higher; subsequently, military powers will periodically be inspired to investigate the feasibility of a weather control system.*

*This conceptual counterforce weather control system is developed through a three stage predictive analysis technique:*

- *conceptualize a desired end state (ability to control weather, at will, as a principle of war),*
  - *hypothesize the preconditions to achieve that end state, and*
  - *develop measures of effectiveness which indicate progress toward that end state.*

*The desired end state is limited only by imagination. For example, envision the capability to accomplish the following objectives:*

- *"bore a hole" through a cloud to allow unrestricted surveillance of an enemy target (figure 1 ),*
- *create an atmospheric event over an enemy airfield so as to ground all their aircraft (i.e., thick fog or severe thunderstorm), and*
  - *create a weather pattern that obscures your military movement from the enemy*



- **On March 25, 2024, a New York appeals court lowered the bond amount in ex-U.S. President Donald Trump's civil fraud case to \$175 million, and a judge set the start date for Donald Trump's first New York criminal trial for April 15, 2024.**
- **On the same day, the New York Times published an article about the upcoming total solar eclipse in the United States on April 8, 2024.**

#### [Trump's Bond in Civil Fraud Case Is Reduced to \\$175 Million](#)

*The former president was racing to secure a half-billion-dollar bond, but an appeals court lowered the amount. The surprise decision may help him stave off financial disaster.*

#### [Trump Criminal Trial Is Set for April 15 as His Attempt at Delay Fails](#)

*Donald Trump is poised to become the first ex-president to go on trial on criminal charges, in a case related to hush money paid to a porn star.*

#### [Maps of the April 2024 Total Solar Eclipse](#)

*On April 8, the moon will slip between the Earth and the sun, casting a shadow across a swath of North America: a total solar eclipse.*



- **On March 18, 2024, ex-U.S. President Donald Trump's lawyers made a court filing that said he was unable to secure a bond for the \$454 million judgment in his New York civil fraud trial.**
  - **Two days before, a volcano erupted in Iceland.**

[Trump Spurned by 30 Companies as He Seeks Bond in \\$454 Million Judgment](#)

*Donald J. Trump's lawyers said in a court filing that he faces "insurmountable difficulties" as he tries to raise cash for the civil fraud penalty he faces in New York.*

[Iceland Volcano Erupts in Plumes of Fire With Little Notice](#)

*The authorities said the eruption on Saturday night was the most powerful of a series that started in December.*

- 
- **On March 15, 2024, the judge in the Georgia election interference case against ex-U.S. President Donald Trump forced lawyer Nathan Wade to resign from the prosecution team.**  
**- The day before, tornadoes occurred in the Midwestern United States, killing 3.**

[Nathan Wade Resigns From Trump Case After Judge's Ruling](#)

*The romance between District Attorney Fani T. Willis and Mr. Wade, the lawyer she hired to manage the Georgia election case, created an "appearance of impropriety," the judge said.*

[Highlights of the Judge's Decision in the Georgia Trump Case](#)

*The district attorney, Fani T. Willis, was given two choices: have her ex-boyfriend withdraw from the prosecution team or step aside herself.*

[Three Killed and Several Injured After Reports of Tornadoes in the Midwest](#)

*A storm ripped through a mobile home community in eastern Indiana. Tornadoes were also reported in Ohio and Kentucky.*

- 
- **On March 14, 2024, the judge in ex-U.S. President Donald Trump's Florida federal classified documents case denied his motion to dismiss.**  
**- On the same day, a snowstorm occurred in Colorado state, causing flight cancellations, road closures, and power outages.**

[Judge Denies One of Trump's Efforts to Derail Documents Case](#)

*With the former president in attendance, Judge Aileen Cannon held a hearing in federal court in Florida to weigh some of Donald Trump's motions to have the classified documents case dismissed.*

[Colorado Snowstorm Causes Flight Cancellations, Road Closures and Power Outages](#)

*Snow is typical for the state this time of the year, said a forecaster, who called the amount abnormal, but not overly so.*

- 
- **On March 4, 2024, the U.S. Supreme Court ruled that Colorado state could not remove ex-U.S. President Donald Trump from its Republican presidential ballot through the 14<sup>th</sup> amendment, U.S. Presidential candidate Nikki Haley won the Washington, D.C. Republican presidential primary, and ex-Trump Organization C.F.O. Allen Weisselberg pleaded guilty to perjury in New York state court.**

**- On the same day, the New York Times published two articles about Canada wildfires and Texas state wildfires.**

[Trump Prevails in Supreme Court Challenge to His Eligibility](#)

*The justices ruled that the 14th Amendment did not allow Colorado to bar the former president from the state's primary ballot.*

[Haley wins the primary in Washington, D.C., ending Trump's streak.](#)

[Key Figure in Trump's Business Pleads Guilty to Felony Perjury](#)

*Allen H. Weisselberg, the former Trump Organization finance chief, has already spent time at the Rikers Island jail complex. The perjury plea will send him back.*

[As 'Zombie Fires' Smolder, Canada Braces for Another Season of Flames](#)

*A government forecast suggests that there could be even more wildfires this season than during last year's exceptional fire period.*

[In Texas' Largest Fire, a Race to Save Animals Big and Small](#)

*An elite team of veterinarians is helping to save cows, horses, donkeys, cats and dogs. "There's been so much devastation," one said.*

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**- On March 1, 2024, a judge held a hearing for the trial date in ex-U.S. President Donald Trump's Florida federal classified documents case, a judge held a hearing in the disqualification of the prosecutor in ex-U.S. President Donald Trump's Georgia election interference case, and lawsuits were filed to stop the merger of ex-U.S. President Donald Trump's social media company.**  
**- On the same day, wildfires occurred in Texas state and a snowstorm occurred in California.**

[Judge Considers Timing of Trump Classified Documents Trial](#)

*Judge Aileen Cannon previously indicated that she would push back the start of the proceeding from the initially planned date in May. Prosecutors want to begin in July, and the former president in August.*

[Trump Lawyer Argues 'Appearance of Impropriety' Is Enough to Disqualify Prosecutor](#)

*Lawyers are summing up their arguments about whether the prosecutor Fani Willis has a conflict of interest and should be disqualified from the Georgia election interference case.*

[Lawsuits Threaten to Delay Trump Media's Merger](#)

*Lawsuits could stall Trump Media's long-delayed merger, which would provide the social media company with cash to fund Donald J. Trump's Truth Social.*

[Dry Winds Could Spread Texas Wildfires Over the Weekend](#)

*A small amount of rain and snow slowed the spread on Friday of the biggest wildfire on record in state history, but warm, dry, windy conditions were forecast to return on Saturday.*

[Major Snowstorm Starts to Pound Mountains Around Lake Tahoe](#)

*Forecasters issued rare blizzard warnings as heavy, wind-driven snow began to halt travel and force ski resorts and Yosemite National Park to close.*

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**- On February 28, 2024, the U.S. Supreme Court set a hearing date for ex-U.S. President Donald Trump's immunity claim in his Washington, D.C. federal election interference case, a judge rejected ex-U.S. President Donald Trump's request to delay the \$454 million penalty in his New York civil fraud case, a judge ordered for ex-U.S. President Donald Trump's name to be removed from the Illinois Republican presidential primary ballot, an envelope containing white powder was sent to the offices of the judge and Attorney General in ex-U.S. President Donald Trump's New York state civil fraud case, U.S. President Joe Biden's son testified before a Congressional committee about his father's impeachment inquiry, and U.S. Senator Mitch McConnell announced his resignation from his leadership position at the end of the year.**

**- On the same day, wildfires occurred in Texas state, causing evacuations.**

**[Supreme Court Agrees to Hear Trump's Immunity Claim, Setting Arguments for April](#)**

*The former president's trial on charges of plotting to subvert the 2020 election will remain on hold while the justices consider the matter.*

**[Trump Rebuffed After Asking a Judge to Delay His \\$454 Million Penalty](#)**

*The former president, who is appealing the penalty in his civil fraud case, offered a bond of only \$100 million to pause the judgment.*

**[Judge Orders Trump Removed From Illinois Primary Ballot](#)**

*The judge, a Democrat, stayed her ruling until Friday, leaving Donald J. Trump's team time to appeal the decision.*

**[Suspicious Powder Sent to Offices of Trump Judge and Attorney General](#)**

*An envelope with white powder was found at a courthouse where Justice Arthur F. Engoron has offices. A similar letter was received at the offices of Attorney General Letitia James.*

**[McConnell to Step Down as Leader at the End of the Year](#)**

*The long-serving Republican leader said he would step aside from the role at the end of his term but remain in the Senate, acknowledging that his views on national security had put him out of step with his party.*

**[In Long-Awaited Testimony, Hunter Biden Assails G.O.P. Impeachment Inquiry](#)**

*The president's son, who had resisted testifying, condemned Republicans' efforts to impeach his father, saying their investigation was fueled by lies.*

**[Fast-Spreading Wildfires in Texas Panhandle Prompt Evacuations](#)**

*One of the wildfires, the Smokehouse Creek fire near the cattle-country town of Canadian, is now the second largest wildfire ever recorded in Texas.*

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**- On February 12, 2024, ex-U.S. President Donald Trump asked the U.S. Supreme Court to hear the immunity claim in his Washington, D.C. federal election interference case, and a judge agreed to hear evidence on the relationship between two prosecutors in ex-U.S. President Donald**

**Trump's Georgia state election interference case.**

**- On the same day, a snowstorm occurred in Connecticut, New Jersey, and New York states.**

[Trump Asks Supreme Court to Pause Ruling Denying Him Absolute Immunity](#)

*The filing was former President Donald J. Trump's last-ditch effort to press his claim of total immunity, which has been rejected by two lower courts.*

[Georgia Judge Will Hear Evidence on Relationship Between Trump Prosecutors](#)

*Defense lawyers have accused Fani T. Willis, the Fulton County district attorney, of hiring Nathan J. Wade to run the case after she began a romantic relationship with him.*

[Nor'easter Expected to Bring New York City's Heaviest Snow in Over 2 Years](#)

*A storm starting Monday night will bring heavy snow to parts of New Jersey, New York and Connecticut, forecasters said.*

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**- On February 8, 2024, the U.S. Supreme Court heard oral arguments in ex-U.S. President Donald Trump's Colorado state presidential primary ballot eligibility case.**

**- On the same day, a volcano erupted in Iceland.**

[Supreme Court Seems Likely to Reject Challenge to Trump's Eligibility](#)

*Justices across the ideological spectrum expressed skepticism about several aspects of a ruling from the Colorado Supreme Court, but there was little discussion of the Jan. 6 riot or Mr. Trump's role in it.*

[Iceland Volcano Erupts Again, Cutting Off Hot Water to Thousands](#)

*The flowing lava poured over a key pipe that transports hot water from the local power plant to nearby towns.*

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**- On February 6, 2024, a Washington, D.C. appeals court rejected ex-U.S. President Donald Trump's immunity claim in his federal election interference case, and Congressional Republicans failed to impeach the Dept. of Homeland Security secretary, and defeated a U.S. border legislation deal.**

**- On the same day, rain and mudslides occurred in southern California state.**

[Federal Appeals Court Rejects Trump's Claim of Absolute Immunity](#)

*The ruling answered a question that an appeals court had never addressed: Can former presidents escape being held accountable by the criminal justice system for things they did while in office?*

[Dysfunction Reigns in Congress as G.O.P. Defeats Multiply](#)

*In a day of chaos in the Capitol, Republicans failed to impeach the homeland security secretary, lost a vote to speed aid to Israel and cheered the demise of a border deal they had demanded.*

[Southern California Braces for Potential Mudslides as Rain Continues](#)

*Weather experts warned that additional rain on top of saturated soil in the Los Angeles region could still cause hillsides to collapse.*

[Los Angeles Records 475 Mudslides During Historic Storm that has Drenched Southern California](#)

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**- On January 23, 2024, ex-U.S. President Donald Trump won the New Hampshire Republican presidential primary.**

**- On the same day, rain and floods occurred in southern California state.**

[Trump's Win Adds to Air of Inevitability as Haley Sharpens Edge](#)

*The former president's victories in Iowa last week and in New Hampshire on Tuesday leave his main Republican rival, Nikki Haley, with an uphill battle.*

['Out of an Apocalyptic Movie': San Diego Residents Describe Flood Escape](#)

*The San Diego region was overwhelmed by a surprisingly intense storm that flooded homes and turned roadways into rivers. Some residents wondered why they did not receive more warning.*

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**- On January 21, 2024, U.S. presidential candidate Ron DeSantis ended his campaign for the Republican presidential nomination.**

**- On the same day, a volcano erupted in Indonesia, causing evacuations.**

[Ron DeSantis Ends Campaign for President](#)

*The Florida governor, who once appeared to be Donald Trump's most daunting challenger, ran a costly, turbulent campaign that failed to catch on with Republican voters.*

[Indonesia's Mount Merapi Unleashes Lava as Other Volcanoes Flare Up, Forcing Thousands to Evacuate](#)

*Indonesia's Mount Merapi has erupted, spreading searing gas clouds and avalanches of lava down its slopes as other active volcanoes flared up across the country, forcing the evacuation of thousands.*

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**- On January 15, 2024, ex-U.S. President Donald Trump won the Iowa Republican presidential primary, U.S. Presidential candidate Vivek Ramaswamy ended his campaign for the Republican presidential nomination, and ex-U.S. President Donald Trump's second defamation trial started in New York state.**

**- On the same day, freezing temperatures occurred in the southern United States.**

**- On the day before, a volcano erupted in Iceland.**

**- Also on the day before, a volcano erupted in Indonesia.**

[Trump Scores Record Win in Iowa; DeSantis Finishes a Distant 2<sup>nd</sup>](#)

*Donald J. Trump's triumph puts him a step closer to the rematch he wants with President Biden. The surprising finish by Ron DeSantis revived his candidacy. Vivek Ramaswamy dropped out.*

[Vivek Ramaswamy, Wealthy Political Novice Who Aligned With Trump, Quits Campaign](#)

*A self-funding entrepreneur, Mr. Ramaswamy peaked in late August but deflated under attack from his rivals. He dropped out after the Iowa caucuses and endorsed Donald Trump.*



[As Trump Continues to Insult E. Jean Carroll, 2nd Defamation Trial Opens](#)

*The writer has already won \$5 million for his sexual abuse and his subsequent denials. But the former president still claims he does not know who she is.*

[Biting Cold Sweeping U.S. Hits the South With an Unfamiliar Freeze](#)

*In Texas, where a 2021 storm killed 246 people and knocked out electricity for millions, officials urged residents to conserve power.*

[Volcano Erupts in Iceland, Sending Lava Flowing Into Small Town](#)

*The latest eruption happened along a row of volcanoes on the Reykjanes Peninsula, where a fissure opened in December, creating a river of lava.*

[Indonesia's Marapi Volcano Erupts Again, a Month after Deadly Incident](#)

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**- On January 10, 2024, U.S. presidential candidate Chris Christie ended his campaign for the Republican presidential nomination.**

**- On the same day, an avalanche occurred in California, killing 1 person.**

[Christie's Exit Is Jolted as Hot Mic Picks Up His Unvarnished View of Rivals](#)

*As he bowed out of the presidential race, Mr. Christie was heard mocking Nikki Haley and Ron DeSantis. His departure leaves the field without its most vocal Trump critic.*

[1 Killed in Avalanche at Lake Tahoe Ski Resort](#)

*The avalanche, at Palisades Tahoe in Olympic Valley, Calif., drew a large emergency response. One other person was treated for a minor injury, the authorities said.*

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**- On January 9, 2024, ex-U.S. President Donald Trump appeared at a federal appeals court hearing in his Washington, D.C. election interference case.**

**- On the same day, snow storms, rain storms, floods, and tornadoes occurred in the United States, killing 4 people.**

[Appeals Court Seems Skeptical of Trump's Immunity Claim](#)

*A three-judge panel appeared unlikely to grant the former president's request that it throw out federal criminal charges that he plotted to overturn the 2020 election.*

[Tornadoes, Blizzards, Floods: Severe Storms Hit Vast Sections of U.S.](#)

*There were flood warnings up and down the East Coast, and heavy snow was expected in the West. At least four weather-related deaths had been reported across the South.*

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**- On December 19, 2023, ex-U.S. President Donald Trump was declared ineligible for the 2024 U.S. presidential Republican primary ballot by the Colorado state supreme court.**

**- On the same day and day before, a volcano erupted in Iceland.**

[Trump Is Disqualified From 2024 Ballot, Colorado Court Says in Explosive Ruling](#)

*The decision, the first by a court to find that Donald Trump is ineligible to hold office again because he engaged in insurrection, is likely to put a monumental case before the U.S. Supreme Court.*

[After Weeks of Warnings, Iceland Volcano Erupts in Plumes of Fire](#)

*While Monday's eruption was not unexpected, it was larger than volcanologists had been predicting and took place not far from an evacuated town and a power plant.*

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**- November 22, 2023 was the 60 year anniversary of the assassination of U.S. President John Kennedy on November 22, 1963.**

**- On the same day, a landslide occurred in Alaska, killing 3 people.**

[Assassination of John F. Kennedy](#)

[Three Killed After Landslide Strikes Alaska Town](#)

*Authorities said at least three others were believed missing after the slide smashed into three single-family homes in southeast Alaska.*

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**- On October 7, 2023, Hamas invaded Israel**

**- On the same day, two earthquakes occurred in Afghanistan, killing 2,000 people.**

[‘There Were Terrorists Inside’: How Hamas’s Attack on Israel Unfolded](#)

*Palestinian militants from Gaza raided Israel on Saturday, killing and abducting hundreds. Survivors have begun to recount the most complex attack on their territory in half a century.*

[Earthquakes in Afghanistan Kill At Least 2,000, Officials Say](#)

*Two 6.3-magnitude quakes were followed by several large aftershocks, devastating entire villages in the western part of the country.*

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**- September 11, 2023 was the 22 year anniversary of the 9/11 terrorist attacks in 2001.**

**- September 29, 2023 was an additional 9/11, in gematria: 9 / (2 + 9 = 11).**

**- On the same day, rain and floods occurred in New York City.**

[September 11 attacks](#)

[Heavy Rain Brings Flash Floods to New York City](#)

*Heavy rain caused serious flooding across the region on Friday, leading Gov. Kathy Hochul to declare a state of emergency as rising waters disrupted travel and stranded people in cars and homes.*

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**- September 11, 2023 was the 22 year anniversary of the 9/11 terrorist attacks in 2001.**

**- On the same day, floods occurred in Libya.**

- **On the day before, Hawaii's Mount Kilauea volcano erupted.**
- **Two days before, an earthquake occurred in Morocco.**

### September 11 attacks

#### Thousands Reported Dead in Severe Libya Flooding

*Floods swept through northeastern Libya, with the top official in the region warning that the toll could exceed 2,000 dead as rescuers searched for survivors*

#### Kilauea, Hawaii's Most Active Volcano, Erupts Again

*The volcano, located on the Big Island, last erupted in June. The Hawaiian Volcano Observatory said there was no immediate threat to people or property.*

#### Powerful Earthquake Shakes Morocco, Killing More Than 2,000

*The quake, centered in the mountains just outside of Marrakesh, was the strongest to hit that area in a century. "It didn't last long, but felt like years," said one woman who lives near the epicenter.*

- 
- **On August 24, 2023, ex-U.S. President Donald Trump was booked and processed for 13 Georgia state felony charges.**

- **On the same day, a historic heat wave occurred in Southern Europe.**

#### Trump Surrenders at Atlanta Jail in Election Interference Case

*The former president arrived in a motorcade and entered a rear entrance of the Fulton County Jail to be booked on racketeering charges. He left 20 minutes later.*

#### Late-Summer Heat Wave Bakes Southern Europe

*In France, Spain and Italy, residents and tourists did their best to avoid scorching temperatures — again.*

- 
- **On August 3, 2023, ex-U.S. President Donald Trump pleaded not guilty to 4 U.S. federal felony charges.**

- **On the same day, a historic heat wave occurred in South America.**
- **Also on the same day, the world's oceans reached record high temperatures.**

#### Trump Pleads Not Guilty to Plotting to Overturn the 2020 Election

*The former president was arraigned in a Washington federal courtroom on four charges tied to his efforts to stay in power after losing the 2020 election. "This is a very sad day for America," Mr. Trump said before heading to his residence in Bedminster, N.J.*

#### Heat Wave Grips Portions of South America in the Middle of Winter

*An unusual winter heat wave has brought record high temperatures to cities across Argentina, Chile and Paraguay this week, triggering concerns about the impacts of climate change.*

#### What This Year's 'Astonishing' Ocean Heat Means for the Planet

*Brutal heat waves have baked the world this summer and they haven't been contained to land. Earth's*

*oceans are the hottest they have been in modern history, by an unusually wide margin.*

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**- On July 18, 2023, ex-U.S. President Donald Trump received a target letter in the January 6 criminal investigation.**

**- On the same day, a historic heat wave occurred in Asia, Europe, and North America.**

[Jan. 6 Investigation: Trump Faces Possible Indictment in Capitol Attack Investigation](#)

*The former president said he received a second target letter from the special counsel, a sign that he could be indicted again. Days after receiving the first letter, Mr. Trump was charged with 37 criminal counts tied to the handling of classified documents.*

[Heat Waves Grip 3 Continents as Climate Change Warms Earth](#)

*Across North America, Europe and Asia, hundreds of millions of people endured blistering conditions. The U.S. special envoy for climate change called it “a threat to all of humankind.”*

[Heat Wave Hits Europe, and It’s Only Going to Get Hotter](#)

*More scorching weather is expected in the southern part of the continent in the coming days, with experts anticipating records. Here’s what to know.*

[The Heat Index Reached a Life-Threatening 152 Degrees in the Middle East](#)

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**- June 19, 2023 was a federal holiday observed in the United States as “Juneteenth.”**

**- On the same day, tornadoes occurred in Mississippi state, killing 1 person.**

**- On the previous days, tornadoes occurred in Texas, Florida, and Mississippi states, killing 5 people.**

[Juneteenth](#)

[Tornado Hits Central Mississippi, Killing at Least 1](#)

*The circumstances surrounding the death were not yet known. Weather officials believe multiple tornadoes may have struck the state overnight.*

[In Texas Town Pummeled by Tornado, Residents Pick Through Rubble](#)

*A tornado destroyed a trailer park as it battered the Texas Panhandle city of Perryton, where three people died. Another person was killed in Florida. A fifth person died in Mississippi.*

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**- On June 13, 2023, ex-U.S. President Donald Trump pleaded not guilty to 37 U.S. federal felony charges.**

**- On the same day, a boat capsized in Nigeria, killing 100+ people.**

[Trump Arraignment: Trump Pleads Not Guilty in Documents Case](#)

*Donald J. Trump, the first former president to be charged with federal crimes, was arraigned on 37 counts related to his handling of classified documents. After his court appearance in Miami, he spoke*

*to supporters at his golf club in Bedminster, N.J.*

Wedding Guests Among at Least 103 Killed in Boat Accident in Nigeria

*The boat capsized on the Niger River at night, when many passengers were returning from a wedding party.*

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**- On June 8, 2023, ex-U.S. President Donald Trump was indicted for 37 U.S. federal felony charges.**

**- On the same day and week, 400+ wildfires occurred in Canada, causing air pollution in the United States.**

**- On the day before, Hawaii's Mount Kilauea volcano erupted.**

Trump Indicted: Trump Is Charged in Classified Documents Inquiry

*The seven counts against the former president include conspiracy to obstruct, willful retention of documents and false statements, according to people familiar with the indictment. He said he would surrender to the authorities on Tuesday.*

Wildfires Spread Smoke, and Anxiety, Across Canada to the U.S.

*Massive plumes of smoke from hundreds of Canadian fires enveloped millions in smoke, triggering dangerous air quality warnings in both countries and turning skies an ashen orange.*

Kilauea Erupts in Hawaii With 'Incandescent' Glow

*The volcano on the Big Island gave hints in the past month that an eruption might be imminent.*

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**- On May 9, 2023, ex-U.S. President Donald Trump lost a sexual assault and defamation civil lawsuit in New York.**

**- On the day before, floods occurred in Democratic Republic of Congo, killing 400+ people.**

**- Also on the day before, a boat capsized in India, killing 22+ people.**

Donald Trump Sexually Abused and Defamed E. Jean Carroll, Jury Finds

*The ex-president must pay Ms. Carroll \$5 million. More than a dozen women have accused Mr. Trump of sexual misconduct, but this civil case was the only one tested before a jury.*

'Catastrophic' Congo Flooding Kills More Than 400 People

*Days after the flooding began, survivors are still pulling victims from the rubble and mud, and thousands have been left homeless. More rain is likely in the coming days.*

At Least 22 Dead After Tourist Boat Capsizes in Southern India

*Many victims of the tragedy in the state of Kerala were children who were sightseeing on a boat that officials said was overcrowded.*

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**- On May 6, 2023, King Charles III's coronation ceremony was held in London, England.**

**- On the same day, 100+ wildfires occurred in Alberta, Canada.**

[Charles Is Crowned King in Ancient Ceremony With Modern Twists](#)

*The coronation, the first since Queen Elizabeth II's in 1953, was a royal spectacle of the kind that only Britain still stages.*

[More Than 24,500 Are Evacuated as Wildfires Burn in Western Canada](#)

*More than 100 wildfires were burning across Alberta on Saturday, in what a government official described as an "unprecedented crisis."*

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**- The Oklahoma City bombing occurred on April 19, 1995.**

**- On April 19, 2023, tornadoes occurred near Oklahoma City, killing 3 people.**

[Oklahoma City bombing](#)

[At Least 3 Dead as Tornadoes Strike Oklahoma](#)

*Two of the deaths were reported in or near Cole, a town of about 600 people south of Oklahoma City, the police said. One other person who was transported to McClain County, Okla., died.*

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**- On April 4, 2023, ex-U.S. President Donald Trump pleaded not guilty to 34 New York state felony charges.**

**- On the same day, an avalanche occurred in the Indian Himalayas, killing 7+ people.**

**- Also on the same day, weather storms occurred in the Midwestern and Southern United States.**

[Trump Pleads Not Guilty to 34 Felony Counts of Falsifying Business Records](#)

*The charges center on a hush money deal with a porn star, but prosecutors also accused the former president of orchestrating a broader scheme to pay off another woman and a doorman during the 2016 campaign.*

[Avalanche in Indian Himalayas Kills at Least 7 Tourists, Officials Say](#)

*The authorities said more than 370 people had been rescued. But it remained unclear late Tuesday how many more might be missing.*

[Storms Threaten Region Hit by Tornadoes Just Days Ago](#)

*Hail, wind, snow and a few tornadoes moved through parts of the central United States on Tuesday. The volatile weather system was expected to last into Wednesday.*

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**- On March 25, 2023, ex-U.S. President Donald Trump held the first rally of his 2024 presidential campaign.**

**- On the same day, tornadoes occurred in Mississippi and Alabama states, killing 26+ people.**

[Trump Puts His Legal Peril at Center of First Big Rally for 2024](#)

*Facing a potential indictment, the former president devoted much of his speech in Waco, Texas, to criticizing the justice system, though his attacks were less personal and caustic than in recent days.*

### Southern Tornadoes Leave At Least 26 Dead

*A powerful storm leveled a town in the central part of Mississippi, where 25 were killed across the state, with another death reported in Alabama. Emergency officials said dozens more were injured.*

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- **March 18, 2023 was the 20 year anniversary of the U.S. invasion of Iraq in 2003, and ex-U.S. President Donald Trump claimed that he would be indicted and arrested three days later.**
  - **On the same day, an earthquake occurred in Ecuador and Peru, killing 15+ people.**

### 2003 invasion of Iraq

#### Trump Claims His Arrest Is Imminent and Calls for Protests, Echoing Jan. 6

*His indictment by a Manhattan grand jury is expected, but its timing is unclear.*

#### Strong Earthquake Kills at Least 14 in Ecuador, 1 in Peru

*A strong earthquake shook southern Ecuador and northern Peru on Saturday, killing at least 15 people, trapping others under rubble, and sending rescue teams out into streets littered with debris and fallen power lines.*

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- **February 6, 2023 occurred one month (31 days) after the two year anniversary of the U.S. Capitol Building attack on January 6, 2021.**
  - **On the same day, two earthquakes occurred in Turkey and Syria, killing 57,000+ people.**
  - **Also on the same day, mudslides occurred in Peru, killing 36+ people.**

### January 6 United States Capitol attack

#### Earthquake's Death Toll Jumps to Over 57,000 in Turkey and Syria

*A woman was rescued from rubble 22 hours after a magnitude-7.8 quake struck early Monday. Rescuers are digging overnight through flattened buildings and fighting near-freezing temperatures.*

#### Steady Rains set off Mudslides that Kill at Least 36 in Peru

*Landslides triggered by steady rains swept mud, water and rocks into several villages in southern Peru, killing at least 36 people, authorities said Monday.*

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- **January 6, 2023 was the two year anniversary of the U.S. Capitol Building attack on January 6, 2021.**
  - **On the same day, Hawaii's Mount Kilauea volcano erupted.**

### January 6 United States Capitol attack

#### Hawaii Volcano Kilauea Erupts Again After Weekslong Pause

*While Kilauea's lava was contained to a crater, nearby Mauna Loa, the world's largest active volcano, was not erupting, officials said.*

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- **Between January 3 and January 6, 2023, California Republican Congressman Kevin McCarthy failed to receive enough votes to become speaker of the U.S. House of Representatives, an event that last occurred 100 years previously.**
  - **On the same days, wind, rain, and snow storms occurred in California state and the Midwestern and Southern United States.**

[House G.O.P. Paralyzed on Day 1 as Right Wing Blocks McCarthy Speakership](#)

*On the first day of the new Congress, Representative Kevin McCarthy fell short repeatedly in his bid to become speaker as a right-wing rebellion prompted a historic floor fight.*

[Heavy Snowfall and Tornadoes Wreak Havoc on Midwest and South](#)

*A “multi-hazard” storm that had already flooded the West Coast turned into a large winter storm system as it moved across the country.*

[Powerful Storm Strikes California, From Surging Seas to Mountain Snow](#)

*A winter storm moving across the state was also bringing heavy rain and wind on Thursday. Evacuations have been ordered along the coast and near swollen rivers.*

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- **On December 22, 2022, the January 6 U.S. Congressional committee released its final report on its investigation of the 2021 U.S. Capitol Building attack.**
  - **On the same day, wind, snow and ice storms occurred in the Midwestern United States.**

[Jan.6 Panel Issues Final Report, Placing Blame for Capitol Riot on ‘One Man’](#)

*The report expanded on this summer’s televised hearings, describing in detail what it called former President Donald J. Trump’s “multipart plan” to overturn the 2020 election.*

[White-Out Conditions and Subzero Temperatures Upend Holiday Plans](#)

*High winds and heavy snow and ice have disrupted flights and closed major roads across the middle of the United States. Cities are preparing for the worst of the storm to come.*

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- **On November 19, 2022, ex-U.S. President Donald Trump’s Twitter account was reinstated.**
  - **On the same day, a snow storm occurred in western New York state, killing 2 people.**
  - **Also on the same day, a bright fireball / meteor appeared in the sky above Ontario and western New York state.**

[Elon Musk Reinstates Trump’s Twitter Account](#)

*Mr. Musk, who had asked Twitter users about whether to bring back the former president to the service, said, “The people have spoken.”*

[The Monster Buffalo Snowstorm May Have Set a Record. More Is on the Way.](#)

*Officials said the storm appeared to drop a record amount of snow for Erie County in a 24-hour period, and that two people had died as a result.*



[Fireball Flashes Above Ontario and Parts of the U.S.](#)

*The bright meteor was the sixth object detected in space before striking Earth, the European Space Agency said.*

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- **On September 19, 2022, Queen Elizabeth II's funeral was held in London, England.**
- **On the same day, an earthquake occurred in Mexico, killing 1+ person.**
- **Two earthquakes previously occurred in Mexico on this date in 2017 and 1985.**

[Thousands Pay Tribute as Britain Says Final Farewell to Its Queen](#)

*More than 100 world leaders, including President Biden, attended the funeral for Queen Elizabeth II, and Britons lined the streets for a procession that took her to her final resting place at Windsor Castle.*

[Earthquake Shakes Mexico on Anniversary of 2 Major Temblors](#)

*The magnitude 7.6 earthquake, centered near the boundary of Colima and Michoacan states, killed at least one person. It came on the same day as devastating quakes in 1985 and 2017.*

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- **On August 15, 2021, the U.S. Government evacuated Afghanistan.**
- **On the same day, floods occurred in Turkey, killing 59+ people.**
- **Also on the same day, wildfires occurred in California and Utah states.**
- **On the day before, an earthquake occurred in Haiti, killing 1,300+ people.**

[Taliban Seize Afghanistan; U.S. Scrambles To Evacuate Americans](#)

*As the Afghan president fled the country and the government crumbled, the U.S. military raced to evacuate diplomats and civilians from an increasingly panicked city.*

[Flash Floods in Turkey Kill 59, and Dozens Are Still Missing](#)

*The death toll in the flash floods that roared across northern Turkey has risen to 59, with dozens of people still missing and many villages still cut off, almost a week after the disaster first struck, officials said.*

[Thousands Evacuate as Wildfires Ravage Utah and Northern California](#)

*Firefighters battled the Dixie Fire in California and a new fire in Parleys Canyon in Utah as searing temperatures continued to bake the western United States.*

[Strong Earthquake Rocks Haiti, Killing Hundreds](#)

*The magnitude 7.2 quake severely damaged several cities, burying people in the rubble of collapsed buildings. It was more powerful than the 2010 quake, which killed more than 220,000 people.*

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- **On April 9, 2021, the 99th day of the year, Prince Philip, the consort of Queen Elizabeth II, died at the age of 99.**
- **On the same day, La Soufrière, a volcano on the main island of St. Vincent and the Grenadines, erupted.**

**- La Soufrière last erupted in 1979 and has only erupted five times between 1718 and 2021.**

[Prince Philip, Husband of Queen Elizabeth II, Is Dead at 99](#)

*The Duke of Edinburgh, who married the future queen in 1947, brought the monarchy into the 20th century, but his occasional tactless comments hurt his image.*

[Caribbean Volcano Erupts, Spewing Ash and Smoke for Miles](#)

*La Soufrière, on the main island of St. Vincent and the Grenadines, last erupted in 1979. It sent two explosive plumes of ash and smoke on Friday, and 20,000 people fled.*

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**- On February 13, 2021, ex-U.S. President Donald Trump was acquitted by the U.S. Senate in his second impeachment trial.**

**- On the same day, an earthquake occurred off the coast of Japan.**

**- Also on the same day, snow and ice storms occurred in the United States.**

**- The snow and ice storms continued until February 15, a holiday observed in the United States as President's Day.**

[Trump Acquitted of Inciting Insurrection, Even as Bipartisan Majority Votes 'Guilty'](#)

*The verdict was unlikely to be the final word for former President Donald J. Trump, his badly divided party or the festering wounds the Jan. 6 riot that prompted the impeachment left behind.*

[Powerful Quake Hits Japan, Evoking a Worrisome Memory](#)

*The epicenter of the quake was off the coast of Fukushima Prefecture, the site of a massive earthquake and tsunami in 2011 that killed thousands and caused meltdowns at a nuclear plant.*

[Storms Bring Punishing Cold, Snow and Ice From Coast to Coast](#)

*The harsh weather was a prelude to another winter storm that is expected to bring more snow, sleet, and freezing rain to over 100 million Americans over the next several days.*

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**- On January 6, 2021, a pro Trump political mob attacked the U.S. Capitol Building to stop the Congressional certification of the 2020 U.S. presidential election.**

**- Three days later, an airliner crashed in Indonesia, killing 60+ people.**

**- Also three days later, landslides occurred in Indonesia, killing 11 people.**

[Pro-Trump Mob Storms the U.S. Capitol Building](#)

*Supporters of President Trump broke into the building as lawmakers were certifying Joseph R. Biden Jr.'s electoral victory.*

[Indonesian Jetliner Crashes Into the Sea After Takeoff, Carrying 62](#)

*More than 60 people were aboard the Boeing 737-524, a Sriwijaya Air flight that had taken off from Jakarta. Officials said they believed they found part of the wreckage.*

[11 Dead in 2 Landslides in Indonesia](#)

*The landslides on the island of Java were set off by heavy rainfall and unstable soil, officials said, and left rescue workers searching for survivors.*

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- On December 21, 2020, the winter solstice, a very rare astronomical phenomenon known as a “great conjunction” occurred between the planets Jupiter and Saturn
  - Great conjunctions of this type have only occurred four times between the years 1200 and 2020.
    - On the same day, Hawaii’s Mount Kilauea volcano erupted.

[This Solstice, Solace for the Darkness](#)

*A rare conjunction of planets serves as a reminder that there is more to the universe than just ourselves.*

[Kilauea Volcano Erupts in Hawaii, Prompting Warning to Stay Inside](#)

*The civil defense authorities warned people to stay indoors to avoid the fallout of ash carried by the winds.*