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TODAY



HIGH

96°

The temperature near the record of 99

TONIGHT



LOW

59°

Mainly clear and mild

WEDNESDAY



94°

56°

The temperature near the record of 95

THURSDAY



95°

58°

The temperature near the record of 97

FRIDAY

HOT

97°

55°

Sunshine with near-record temperatures

SATURDAY



92°

56°

Hot with plenty of sunshine

SUNDAY



89°

53°

Very warm with plenty of sunshine

MONDAY



87°

49°

Very warm with plenty of sunshine

ALMANAC

Bend Municipal Airport through 5 p.m. Mon.

TEMPERATURE

	Monday	Normal	Record
High	90°	81°	97° in 2017
Low	52°	45°	25° in 1912

PRECIPITATION

24-hour total	0.00"
Record	0.42" in 1953
Month to date (normal)	0.88" (0.33")
Year to date (normal)	3.22" (6.31")
Barometric pressure at 4 p.m.	30.05"

SUN, MOON AND PLANETS

Rise/Set

	Today	Wednesday
Sun	6:26am/7:45pm	6:27am/7:43pm
Moon	9:52am/9:27pm	11:02am/9:49pm
Mercury	8:54am/8:28pm	8:55am/8:24pm
Venus	5:11am/7:16pm	5:14am/7:15pm
Mars	11:21pm/2:13pm	11:19pm/2:12pm
Jupiter	8:51pm/9:07am	8:47pm/9:03am
Saturn	7:06pm/5:05am	7:02pm/5:01am
Uranus	10:24pm/12:50pm	10:20pm/12:46pm

First

Sep 3



Full

Sep 10



Last

Sep 17



New

Sep 25



Tonight's sky:

The star Deneb, high over-head, is the brightest star in the constellation Cygnus, the swan.

Source:

Jim Todd, OMSI

UV INDEX TODAY

10 a.m.	Noon	2 p.m.	4 p.m.
4	6	6	4

The higher the **AccuWeather.com UV Index™** number, the greater the need for eye and skin protection. 0-2 Low, 3-5 Moderate, 6-7 High, 8-10 Very High, 11+ Extreme.

POLLEN COUNT

Grasses	Trees	Weeds
Moderate	Low	Low

Source: Oregon Allergy Associates 541-683-1577

WATER REPORT

As of 7 a.m. Monday

Reservoir	Acre feet	Capacity
Crane Prairie	37894	69%
Wickiup	25356	13%
Crescent Lake	10472	12%
Ochoco Reservoir	5563	13%
Prineville	21560	15%

River flow

Station	Cu.ft./sec.
Deschutes R. below Crane Prairie	229
Deschutes R. below Wickiup	1050
Deschutes R. below Bend	124
Deschutes R. at Benham Falls	1300
Little Deschutes near La Pine	61
Crescent Ck. below Crescent Lake	6
Crooked R. above Prineville Res.	0
Crooked R. below Prineville Res.	183
Crooked R. near Terrebonne	29
Ochoco Ck. below Ochoco Res.	4

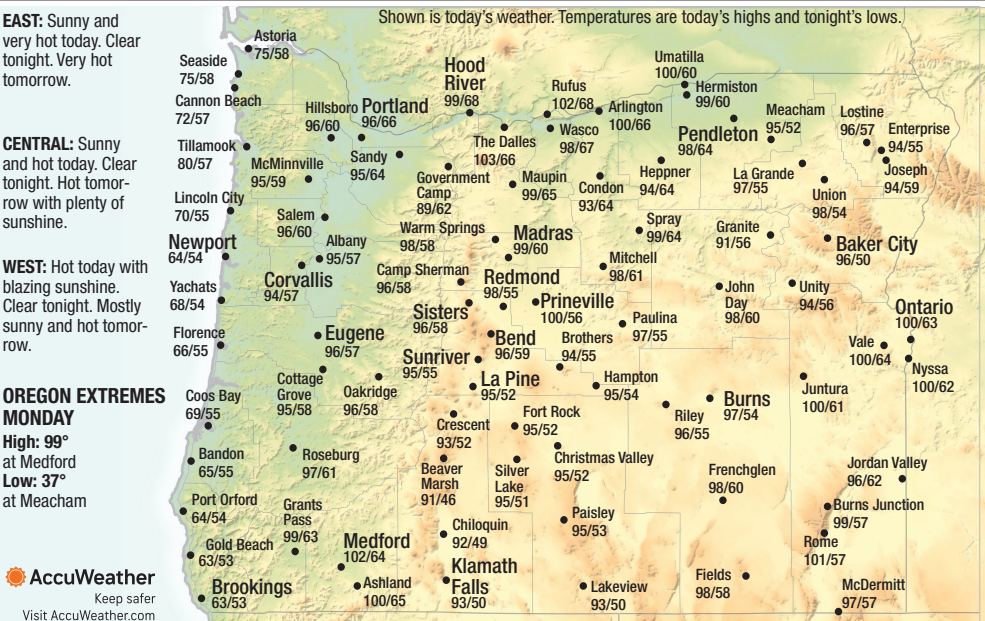
FIRE INDEX

Bend	Not available
Redmond/Madras	Not available
Sisters	Not available
Prineville	Not available
La Pine/Gilchrist	Not available

Source: USDA Forest Service

OREGON WEATHER

Shown is today's weather. Temperatures are today's highs and tonight's lows.



EAST:

Sunny and very hot today. Clear tonight. Very hot tomorrow.

CENTRAL:

Sunny and hot today. Clear tonight. Hot tomorrow with plenty of sunshine.

WEST:

Hot today with blazing sunshine. Clear tonight. Mostly sunny and hot tomorrow.

OREGON EXTREMES MONDAY

High: 99° at Medford

Low: 37° at Meacham

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City	Monday	Today	Wednesday	City	Monday	Today	Wednesday	City	Monday	Today	Wednesday
HI/Lo/Prec.	HI/Lo/W	HI/Lo/W	HI/Lo/W	HI/Lo/Prec.	HI/Lo/W	HI/Lo/W	HI/Lo/W	HI/Lo/Prec.	HI/Lo/W	HI/Lo/W	HI/Lo/W
Astoria	81/51/0.00	75/58/	67/56/c	La Grande	91/43/0.00	97/55/s	99/54/s	Portland	94/62/0.00	96/66/s	91/61/s
Baker City	88/41/0.00	96/50/s	99/50/s	La Pine	91/38/0.00	95/52/s	93/50/s	Prineville	93/45/0.00	99/56/s	95/53/s
Brookings	57/50/Tr	63/53/c	62/52/c	Medford	99/59/0.00	102/64/s	100/62/s	Redmond	92/45/0.00	98/55/s	96/52/s
Burns	95/47/0.00	97/54/s	99/51/s	Newport	70/46/Tr	64/54/pc	64/54/c	Roseburg	93/56/0.00	97/61/s	95/58/s
Eugene	91/50/0.00	96/57/s	93/54/s	North Bend	72/50/0.00	67/56/c	67/56/c	Salem	92/57/0.00	96/60/s	91/54/s
Klamath Falls	94/49/0.00	93/50/s	91/48/s	Ontario	94/55/0.00	100/63/s	104/68/s	Sisters	87/42/0.00	96/58/s	96/55/s
Lakeview	93/51/0.00	93/50/s	93/48/s	Pendleton	93/52/0.00	96/64/s	98/66/s	The Dalles	97/56/0.00	103/66/s	101/66/s

NATIONAL WEATHER

-10s

-0s

0s

10s

20s

30s

40s

50s

60s

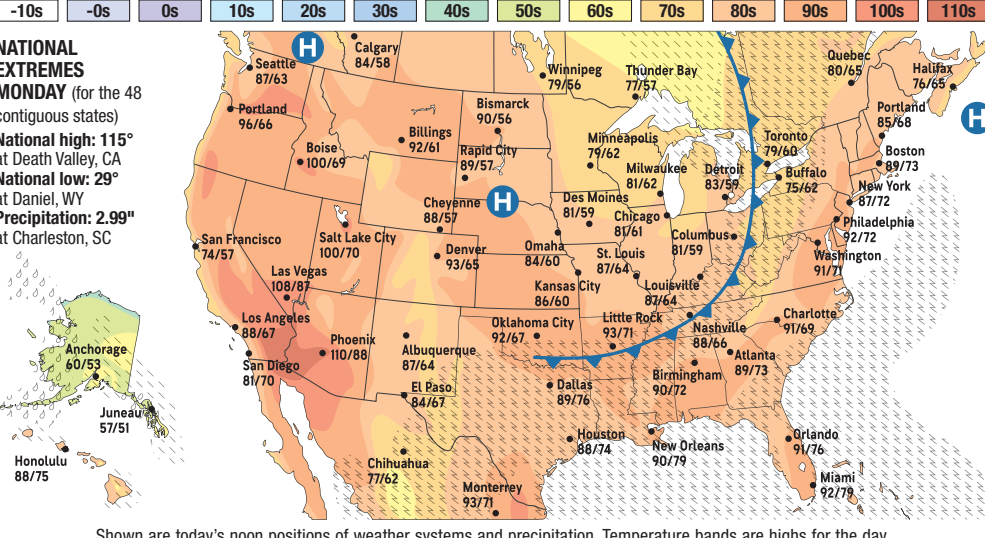
70s

80s

90s

100s

110s



NATIONAL EXTREMES MONDAY

(for the 48 contiguous states)

National high: 115° at Death Valley, CA

National low: 29° at Daniel, WY

Precipitation: 2.99" at Charleston, SC

Shown are today's noon positions of weather systems and precipitation. Temperature bands are highs for the day.

T-storms

Rain

Showers

Snow

Flurries

Ice

Cold Front

Warm Front

Stationary Front

Zombie ice from Greenland will raise sea level 10 inches

BY SETH BORENSTEIN
Associated Press

Greenland's rapidly melting ice sheet will eventually raise global sea level by at least 10.6 inches — more than twice as much as previously forecast — according to a study published Monday.

That's because of something that could be called zombie ice. That's doomed ice that, while still attached to thicker areas of ice, is no longer getting replenished by parent glaciers now receiving less snow. Without replenishment, the doomed ice is melting from climate change and will inevitably raise seas, said study co-author William Colgan, a glaciologist at the Geological Survey of Denmark and Greenland.

"It's dead ice. It's just going to melt and disappear from the ice sheet," Colgan said in an interview. "This ice has been consigned to the ocean, regardless of what climate (emissions) scenario we take now."

Study lead author Jason Box, a glaciologist at the Greenland survey, said it is "more like one foot in the grave."

The unavoidable 10 inches in the study is more than twice as much sea level rise as scientists had previously expected from the melting of Greenland's ice sheet. The study in the journal Nature Climate Change said it could reach as much as 30 inches. By contrast, last year's Intergovernmental Panel on Climate Change report projected a range of 2 to

Felipe Dana/AP file

A boat navigates at night next to large icebergs in eastern Greenland on Aug. 15, 2019. Zombie ice from the massive Greenland ice sheet will eventually raise global sea level by at least 10 inches on its own, according to a study released Monday. Zombie or doomed ice is still attached to thicker areas of ice, but it's no longer getting fed by those larger glaciers.

5 inches for likely sea level rise from Greenland ice melt by the year 2100.

What scientists did for the study was look at the ice in balance.

In perfect equilibrium, snowfall in the mountains in Greenland flows down and recharges and thickens the sides of glaciers, balancing out what's melting on the edges. But in the last few decades there's less replenishment and more melting, creating imbalance. Study authors looked at the ratio of what's being added to what's being lost and calculated that 3.3% of Greenland's total ice volume will melt no matter what happens with the world cutting carbon pollution, Colgan said.

"I think starving would be a

good phrase," for what's happening to the ice, Colgan said.

One of the study authors said that more than 120 trillion tons of ice is already doomed to melt from the warming ice sheet's inability to replenish its edges. When that ice melts into water, if it were concentrated only over the United States, it would be 37 feet deep.

The figures are a global average for sea level rise, but some places further away from Greenland would get more and places closer, like the U.S. East Coast, would get less. Although 10.6 inches may not sound like much, this would be over and above high tides and storms, making them even worse, so this much sea level rise "will have huge societal, economic and environmental

impacts," said Ellyn Enderlin, a geosciences professor at Boise State University, who wasn't part of the study.

"This is a really large loss and will have a detrimental effect on coastlines around the world," said NYU's David Holland who just returned from Greenland, but is not part of the study.

This is the first time scientists calculated a minimum ice loss — and accompanying sea level rise — for Greenland, one of Earth's two massive ice sheets that are slowly shrinking because of climate change from burning coal, oil and natural gas. Scientists used an accepted technique for calculating minimum committed ice loss, the one used on mountain glaciers for the entire giant frozen island.

Time is the key unknown here and a bit of a problem with the study, said two outside ice scientists, Leigh Stearns of the University of Kansas and Sophie Nowicki of the University of Buffalo.

The researchers in the study said they couldn't estimate the timing of the committed melting, yet in the last sentence they mention, "within this century," without supporting it, Stearns said.

Colgan responded that the team doesn't know how long it will take for all the doomed ice to melt, but making an educated guess, it would probably be by the end of this century, or at least by 2150.

Steve Helber/AP file

This is an aerial view of former President Donald Trump's Mar-a-Lago estate on Aug. 10 in Palm Beach, Florida.

Justice Department has finished review of possibly privileged Trump papers

BY ERIC TUCKER

Associated Press

WASHINGTON — The Justice Department has completed its review of potentially privileged documents seized from former President Donald Trump's Florida estate this month and has identified "a limited set of materials that potentially contain attorney-client privileged information," according to a court filing Monday.

The filing from the department follows a judge's weekend order indicating that she was inclined to grant the Trump legal team's request for a special master who would oversee the review of documents taken during the Aug. 8 search of the Mar-a-Lago estate and ensure that any that might be protected by claims of legal privilege be set aside.

In revealing that the department had completed its review of potentially privileged communications, law enforce-

ment officials appeared to be suggesting that the appointment of a third-party special master might now be moot. The department had been relying on a specialized team to filter out potentially privileged communications and said Monday that it had completed its review of those materials before the judge's order.

U.S. District Judge Aileen Cannon said on Saturday that it was her "preliminary intent" to appoint a special master — which would be an early procedural win for the Trump legal team — but gave the department an opportunity to respond and scheduled a Thursday hearing to discuss the matter further.

The judge also directed the Justice Department to submit under seal a more detailed description of the materials that were seized from Trump's estate in Palm Beach, something the department on Monday said it would do.

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