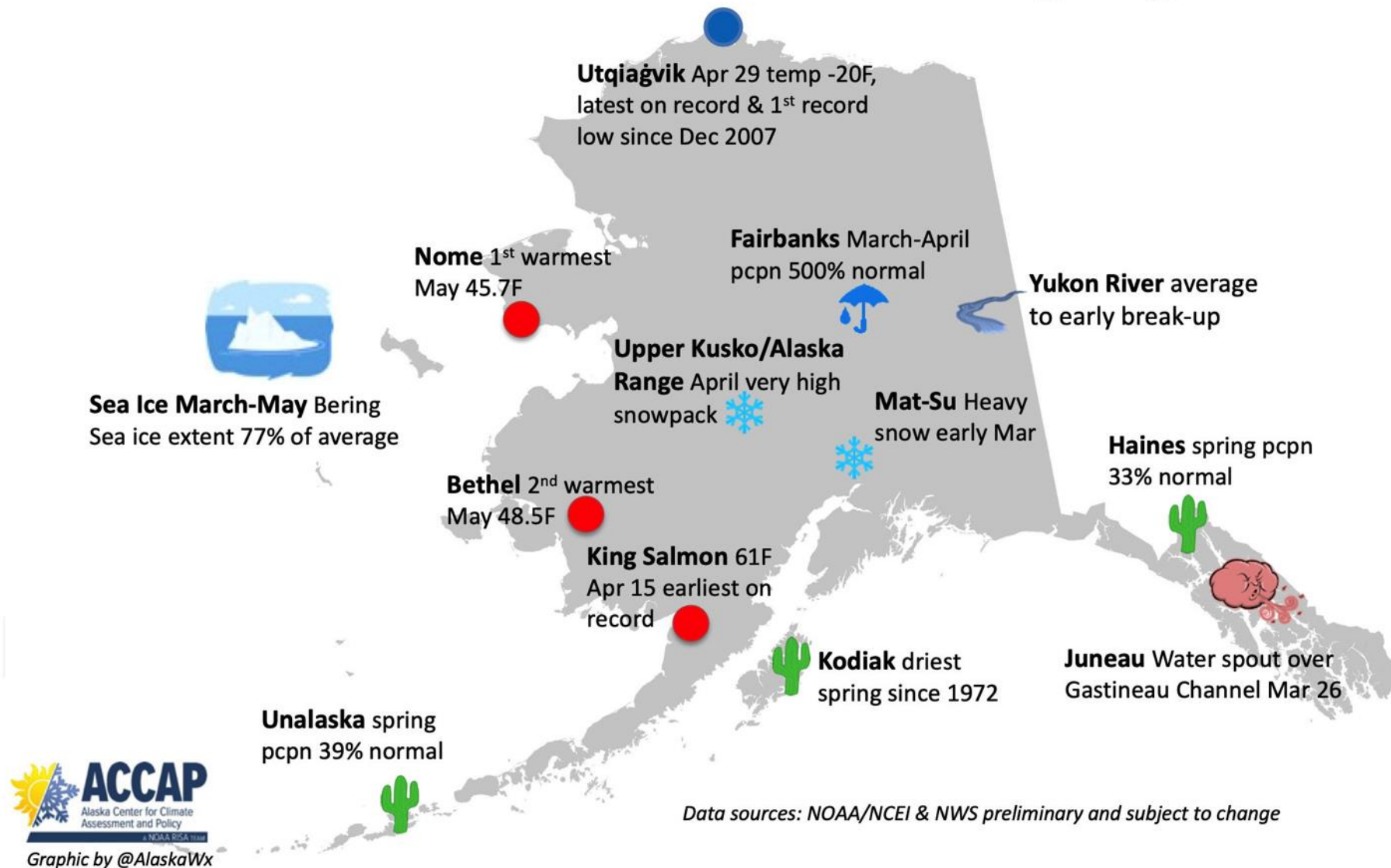


Circumpolar One Health Spring 2020 Climate Review and Summer 2020 Outlook

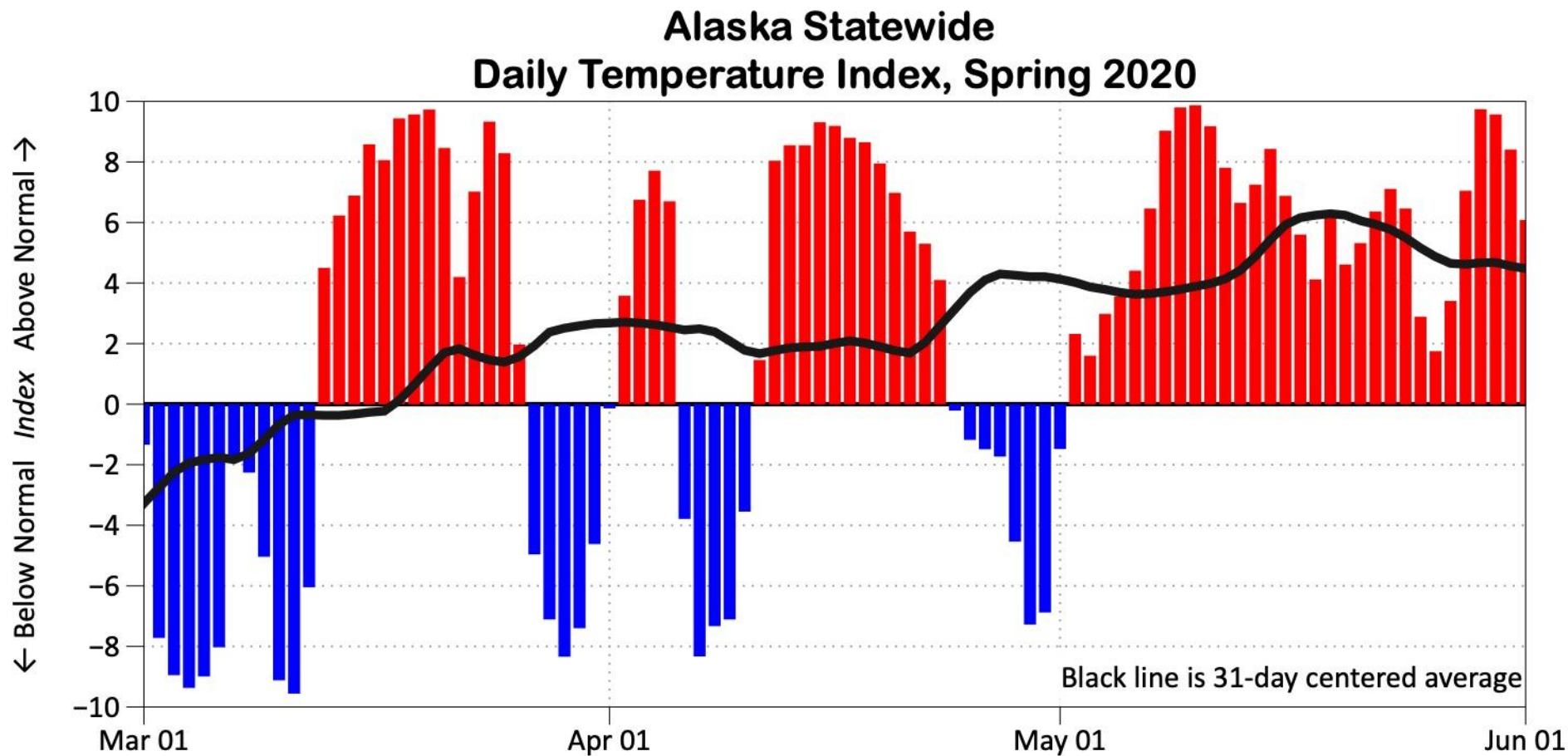
Rick Thoman

Alaska Center for Climate Assessment and Policy

Spring 2020 Alaska Weather & Climate Highlights

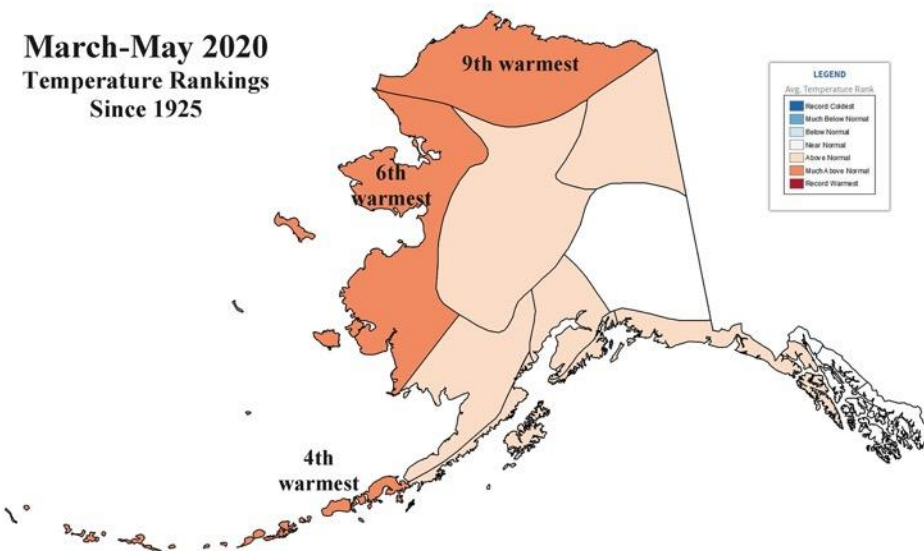


Alaska Daily Temperature Index



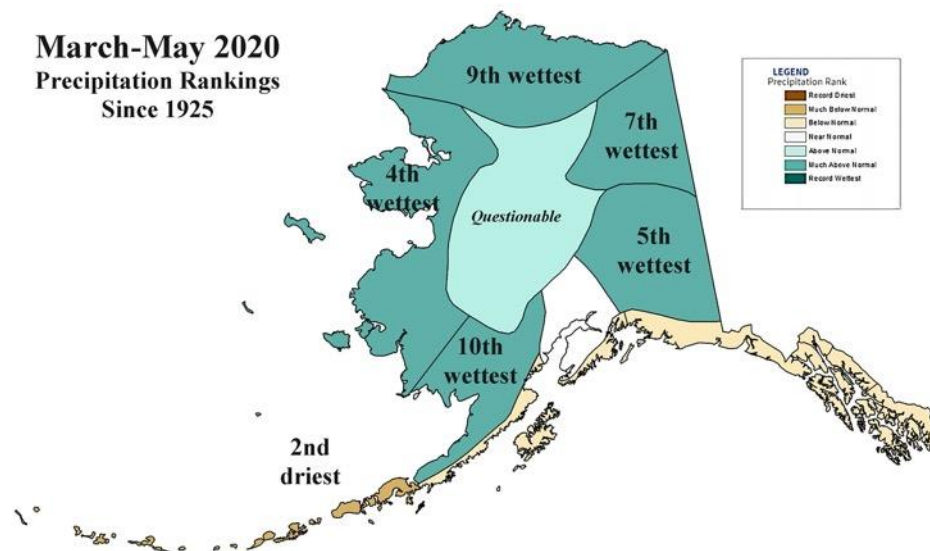
Alaska Regional Spring 2020

**March-May 2020
Temperature Rankings
Since 1925**



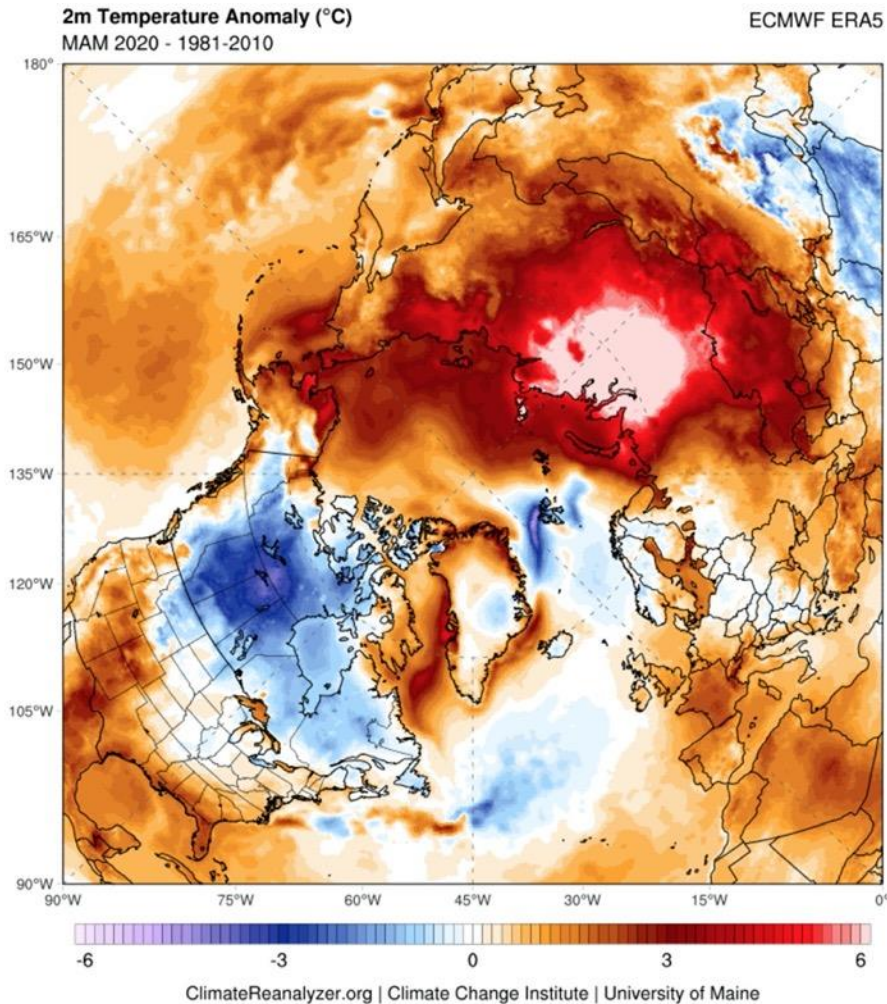
Temperatures

**March-May 2020
Precipitation Rankings
Since 1925**

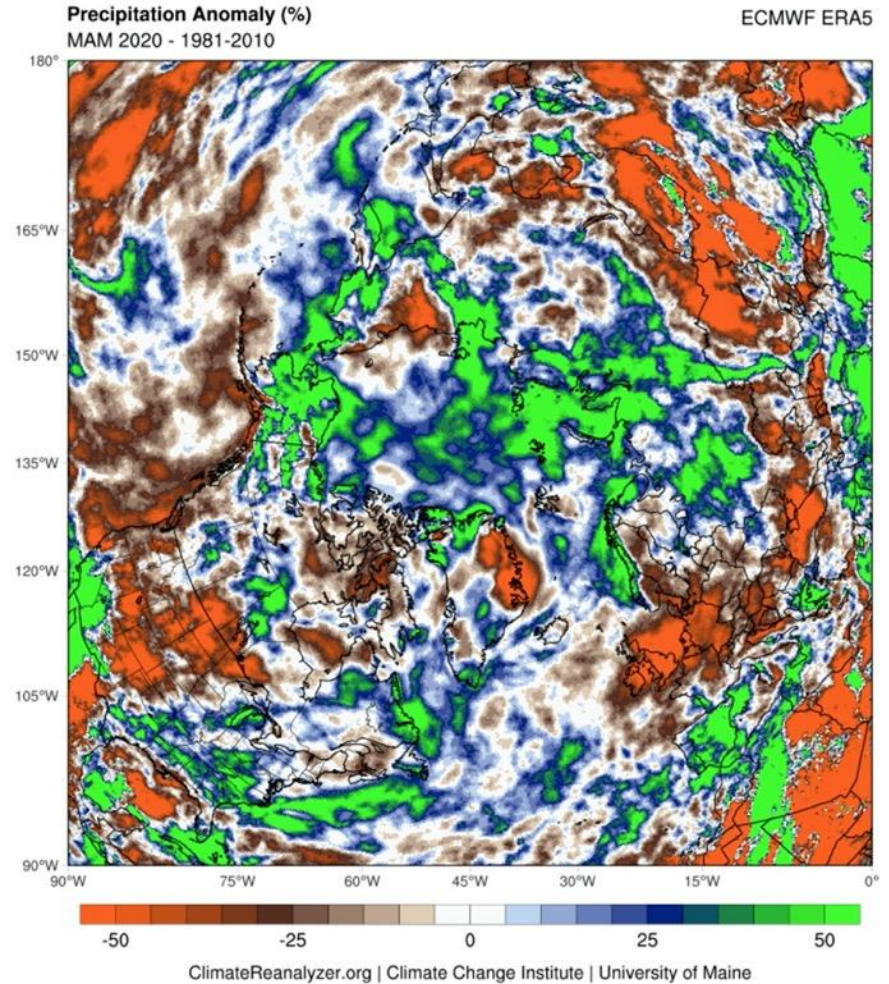


Precipitation

Spring 2020 Arctic-wide

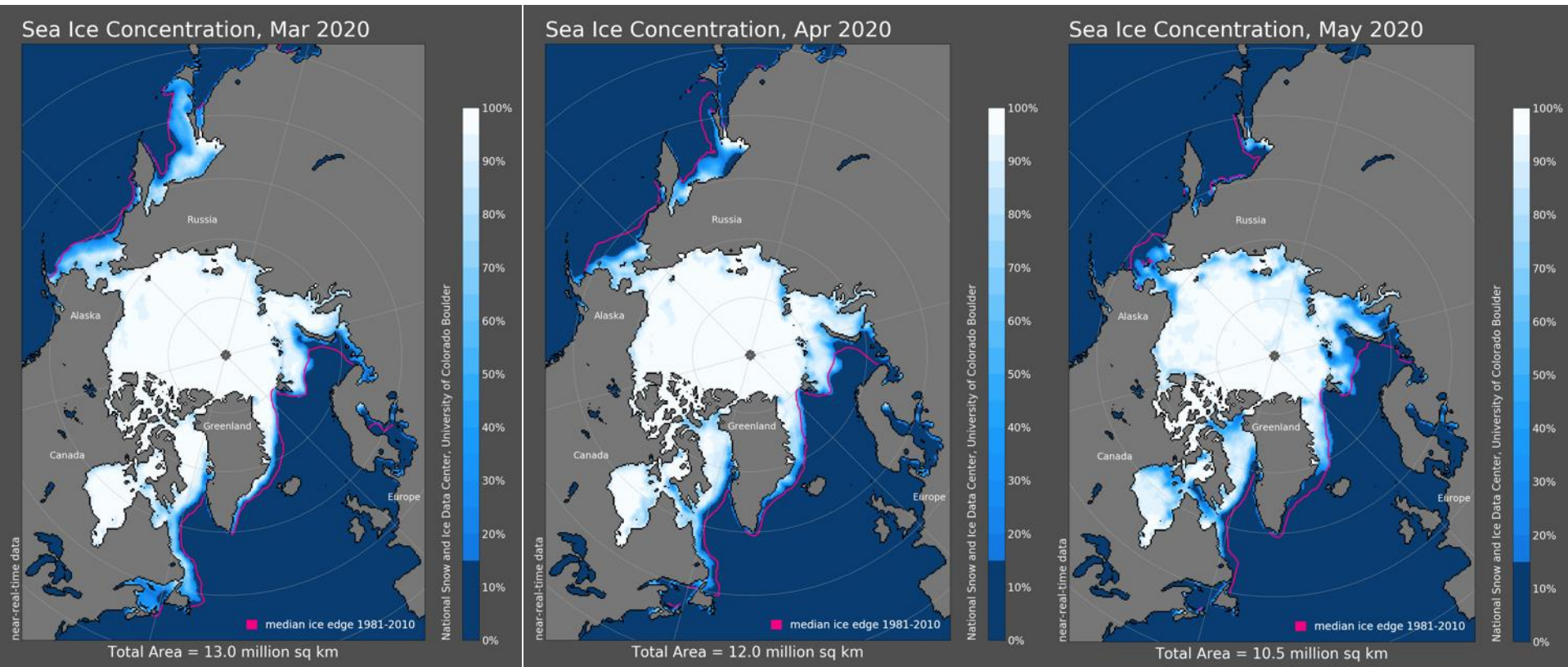


Temperature Departures from Average



Precipitation Departures from Average

Sea Ice This Spring



11th lowest

4th lowest

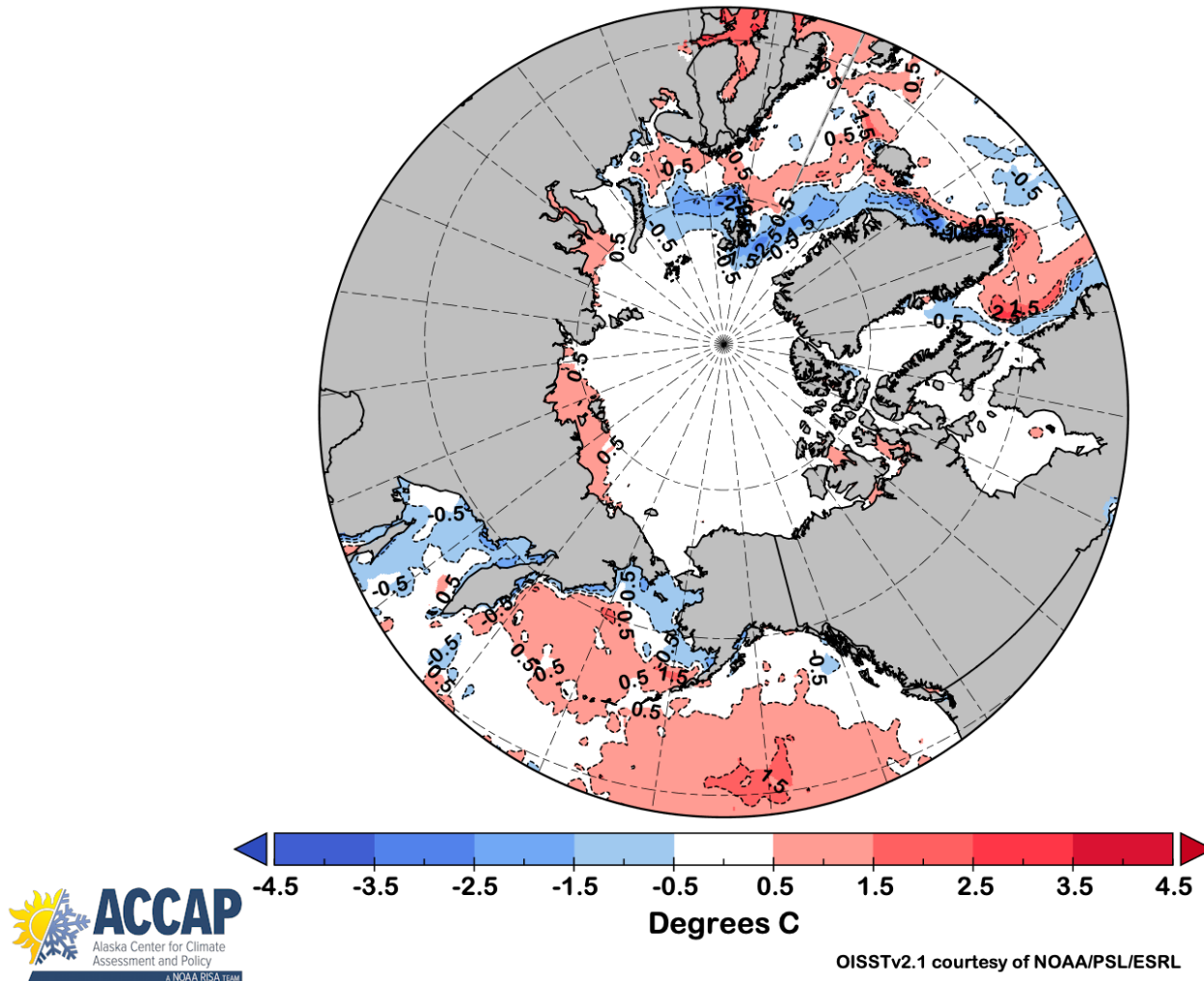
4th lowest

Since 1979



Ocean Temperatures

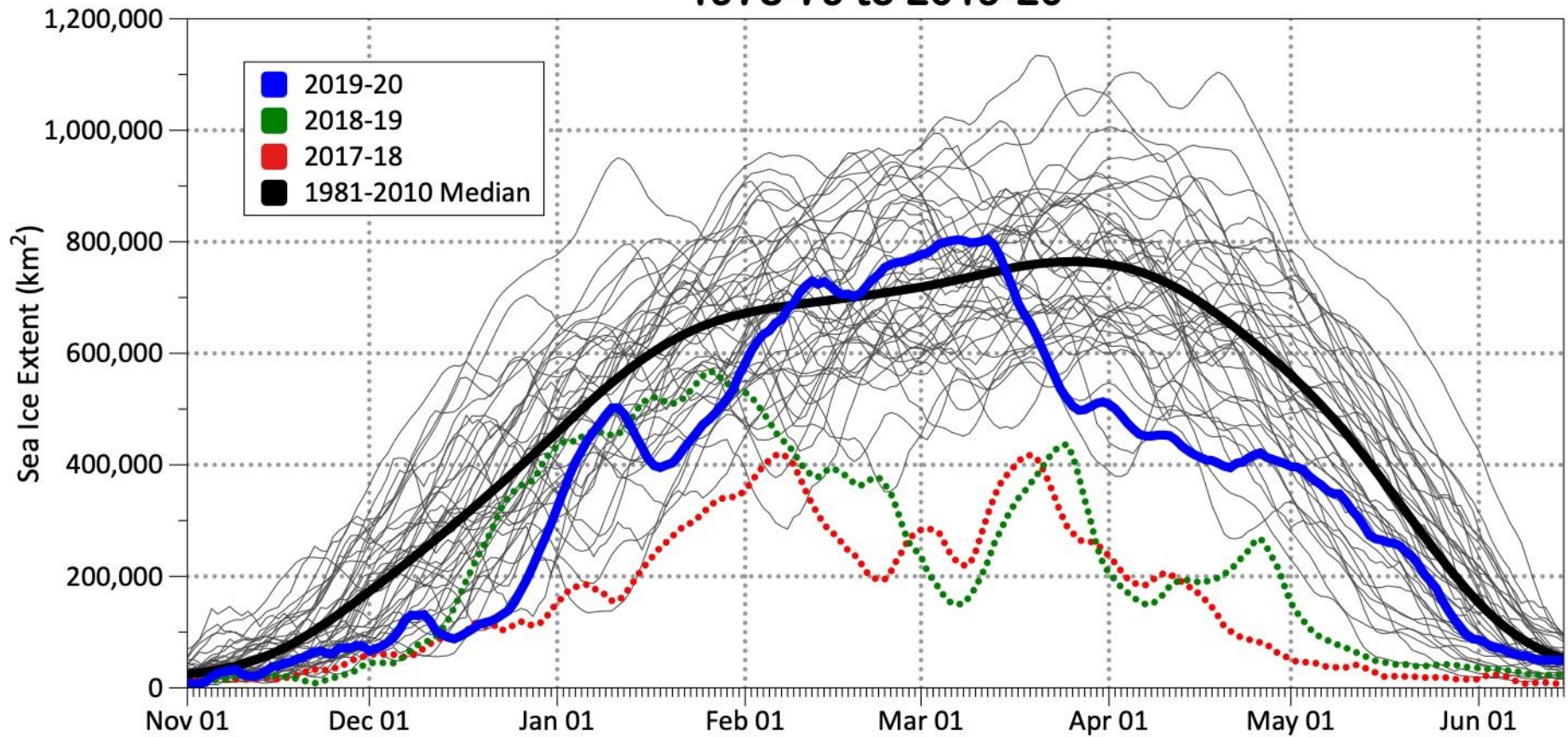
Average Sea Surface Temperature Departure from Normal
March-May 2020



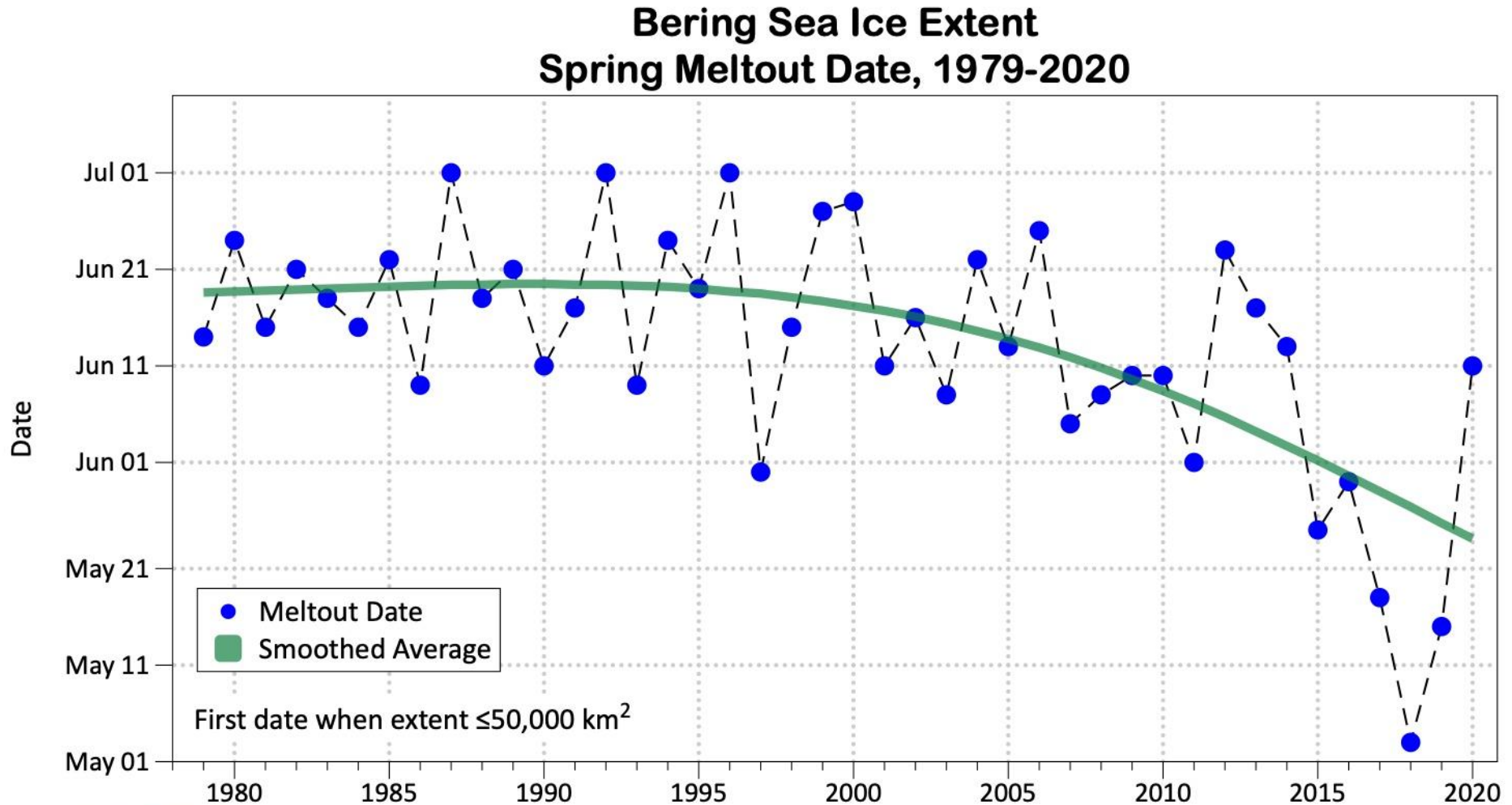
Daily Bering Sea Ice Extent

Nov-Mar 2019-20 Extent: 77%
of 1981-2010 average

Bering Sea Daily Ice Extent 1978-79 to 2019-20

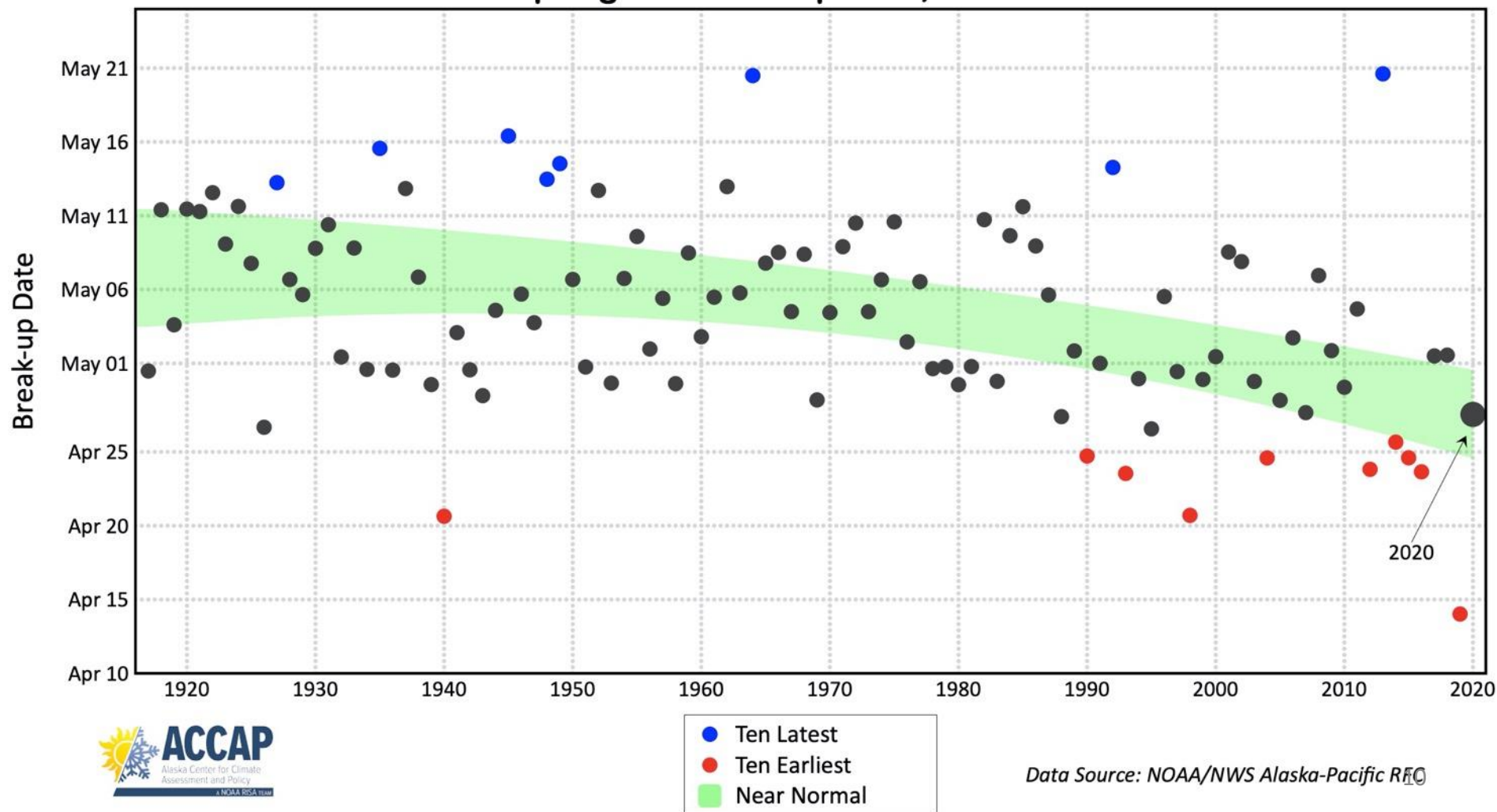


Bering Sea: Melt out

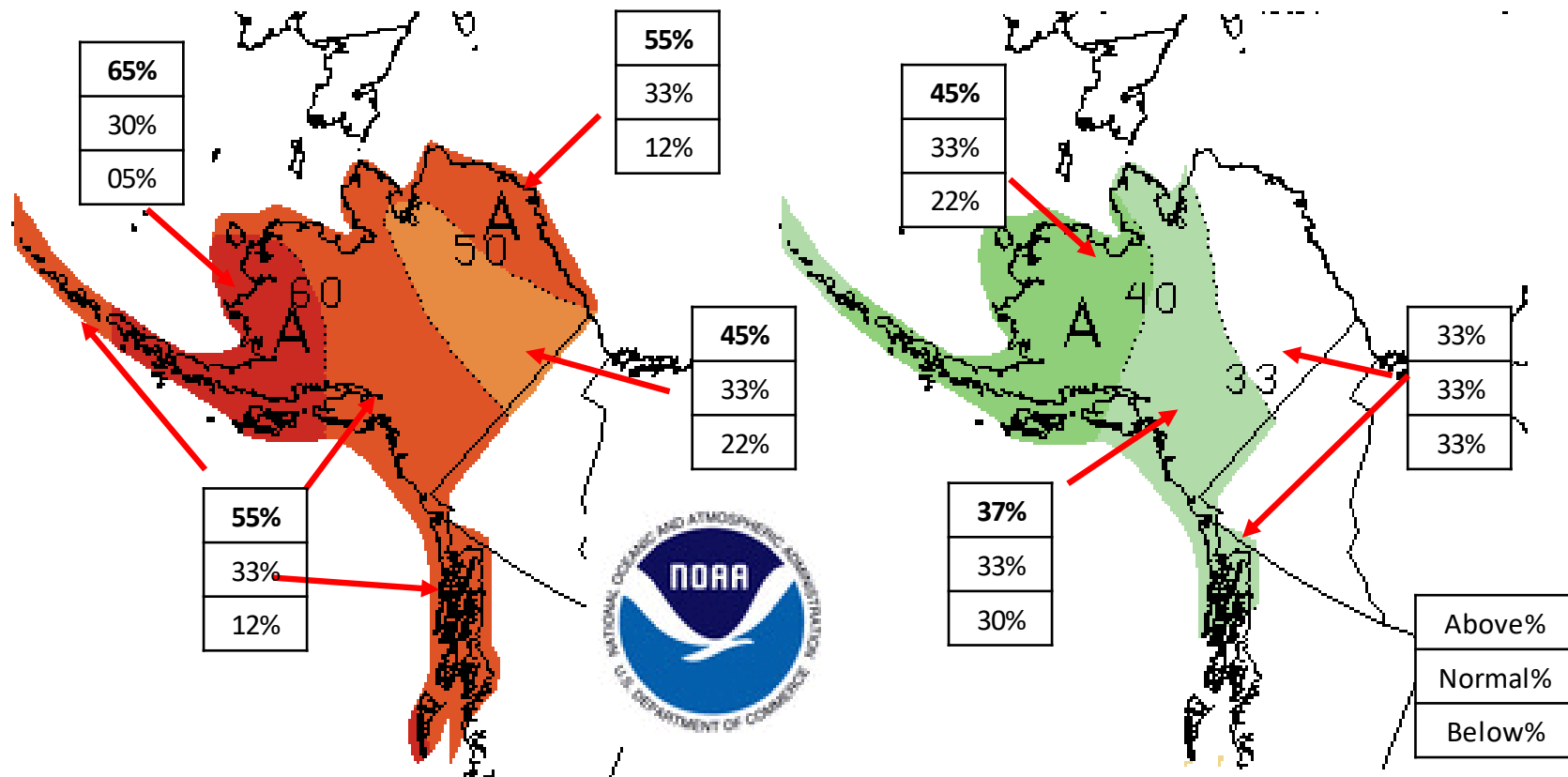


Record Early River Break-up

Tanana River at Nenana
Spring Ice Break-up Date, 1917-2020



CPC July-September 2020 Outlook



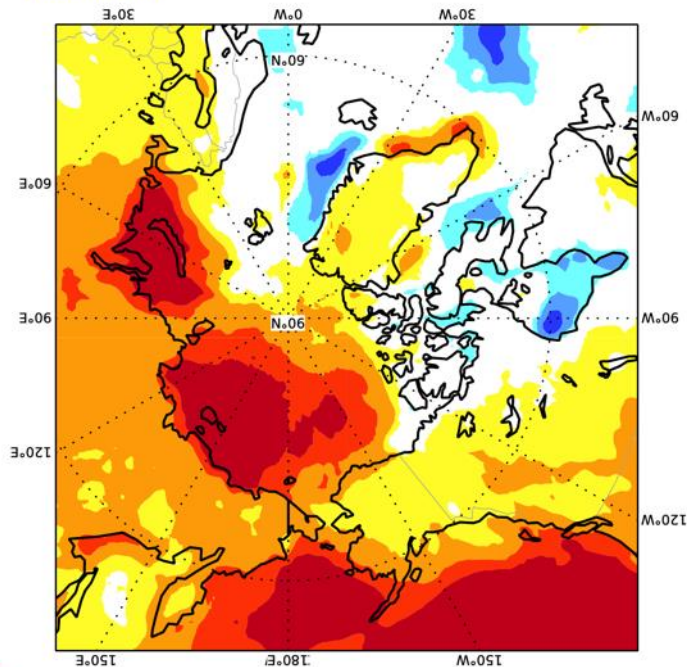
THREE-MONTH OUTLOOK
TEMPERATURE PROBABILITY
0.5 MONTH LEAD
VALID JAS 2020
MADE 18 JUN 2020

THREE-MONTH OUTLOOK
PRECIPITATION PROBABILITY
0.5 MONTH LEAD
VALID JAS 2020
MADE 18 JUN 2020

Late Summer 2020

Arctic Temp and Pcpn Outlook

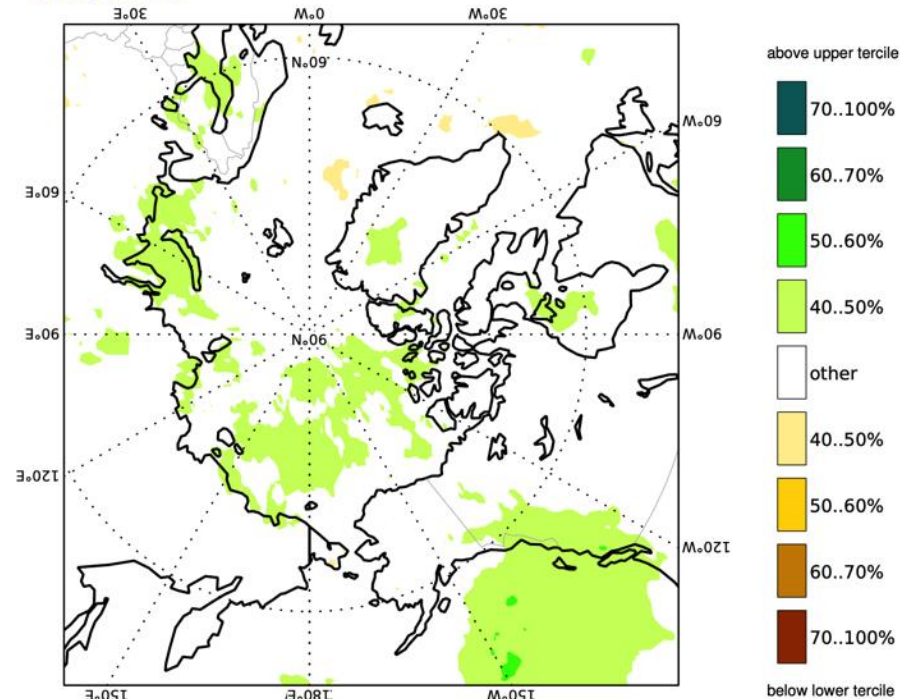
C3S multi-system seasonal forecast
 Prob(most likely category of 2m temperature)
 Nominal forecast start: 01/06/20
 Unweighted mean



JAS 2020

C3S multi-system seasonal forecast
 Prob(most likely category of precipitation)
 Nominal forecast start: 01/06/20
 Unweighted mean

JAS 2020

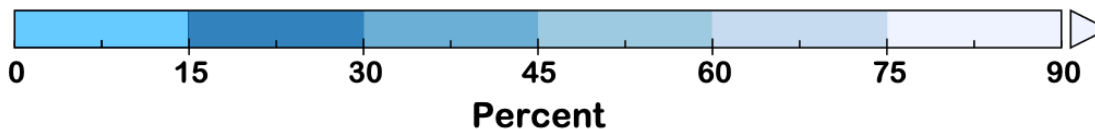
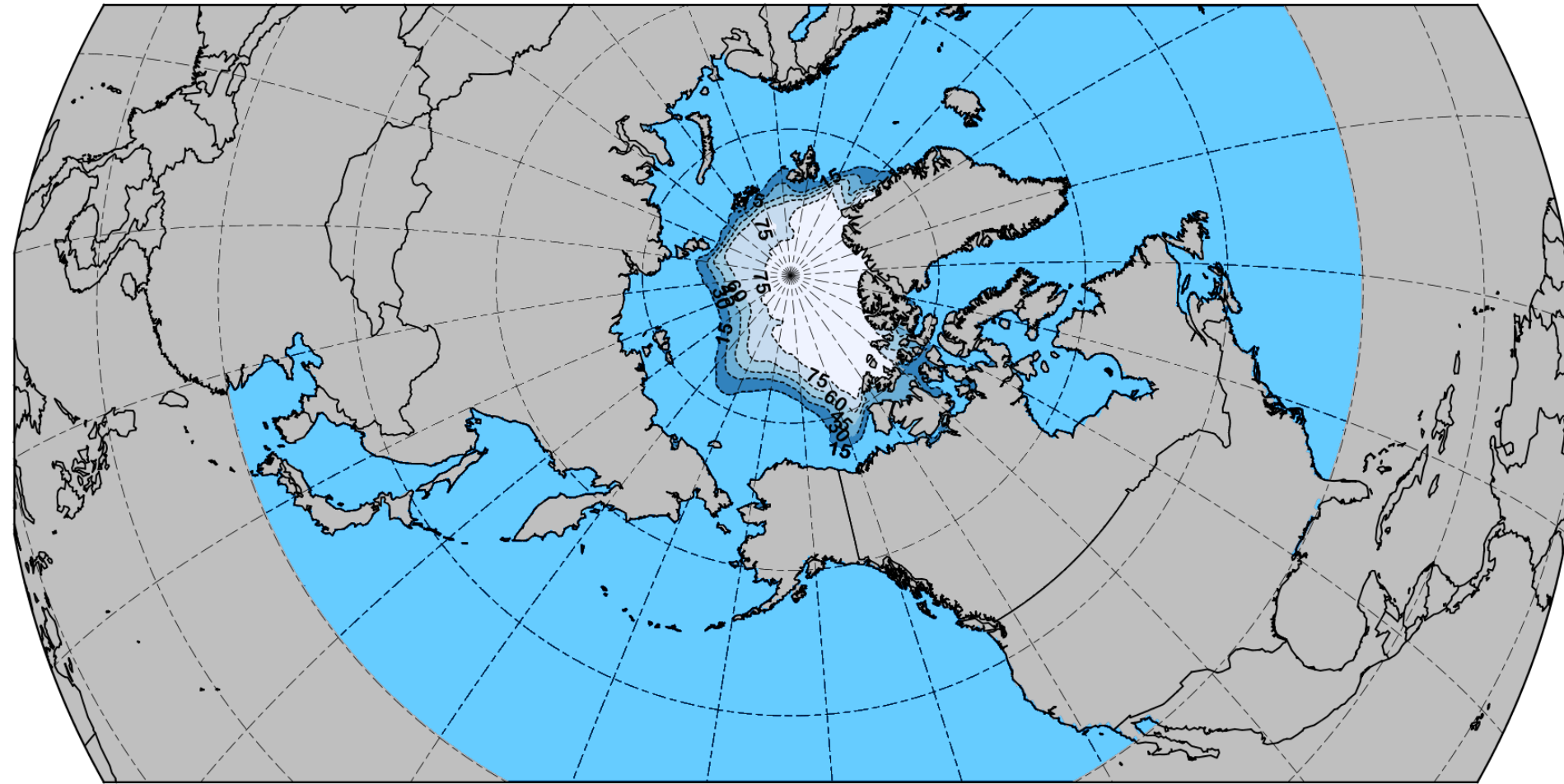


Outlooks courtesy Copernicus C3S (Climate Change Service)

September Sea Ice Outlook

September 2020

Sea Ice Concentration Outlook



Near Gambell, Alaska

May 11, 2020



2020.05.11

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Gambell, Alaska