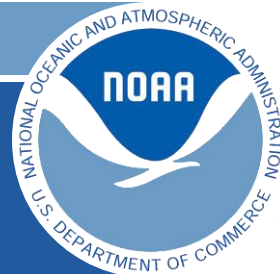




NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

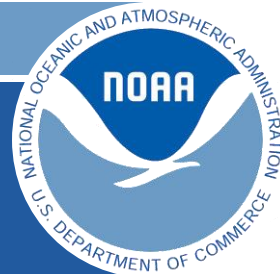


Local Environmental Observer

SEPTEMBER CLIMATE BRIEFING: HOT TIMES IN THE BERING

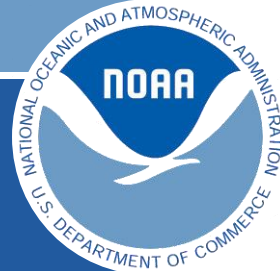
RICK THOMAN

**CLIMATE SCIENCE AND SERVICES MANAGER
NATIONAL WEATHER SERVICE ALASKA REGION**

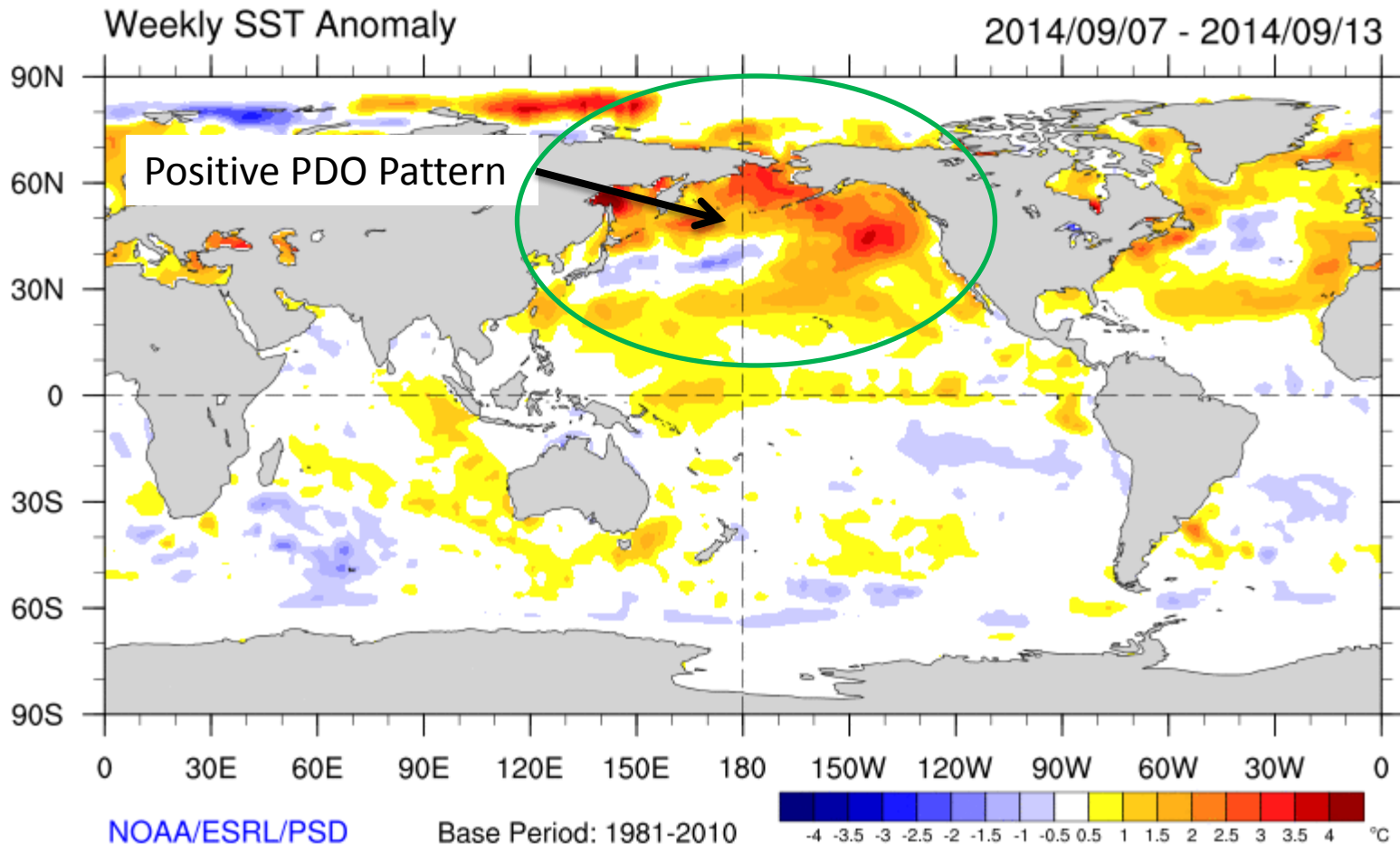


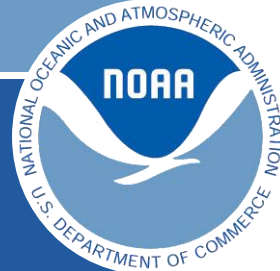
Climate Highlights

- Globally
 - Extra-tropical Sea-surface temps unusually warm
 - August and June-July-August warmest SSTs of record
- Alaska
 - Positive Pacific Decadal Oscillation
 - Record high temperatures Bering Sea climate stations
 - 2014 near-Alaska sea Ice slightly less than last year



Global SST anomalies

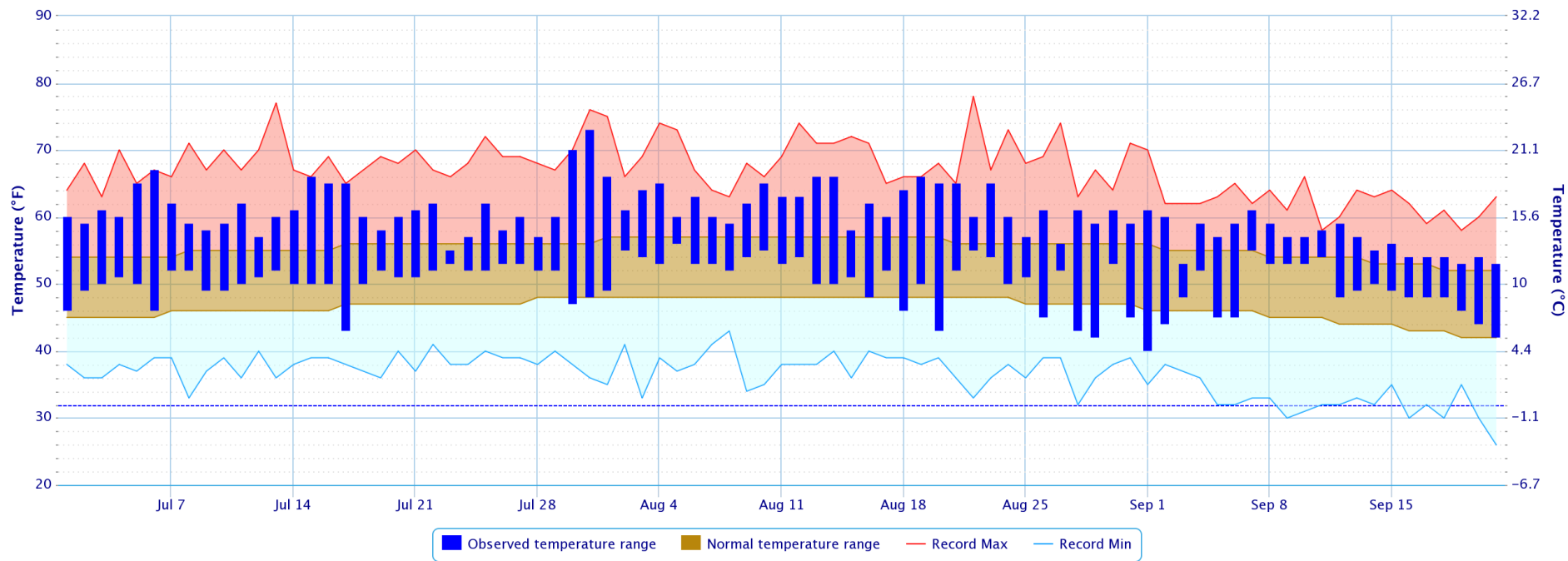


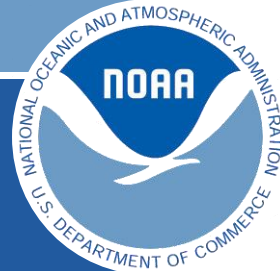


Cold Bay, Alaska

Daily Temperature Data – Cold Bay Area, AK (ThreadEx)

Period of Record – 1942-06-01 to 2014-09-21. Normals period: 1981-2010. Click and drag to zoom chart.

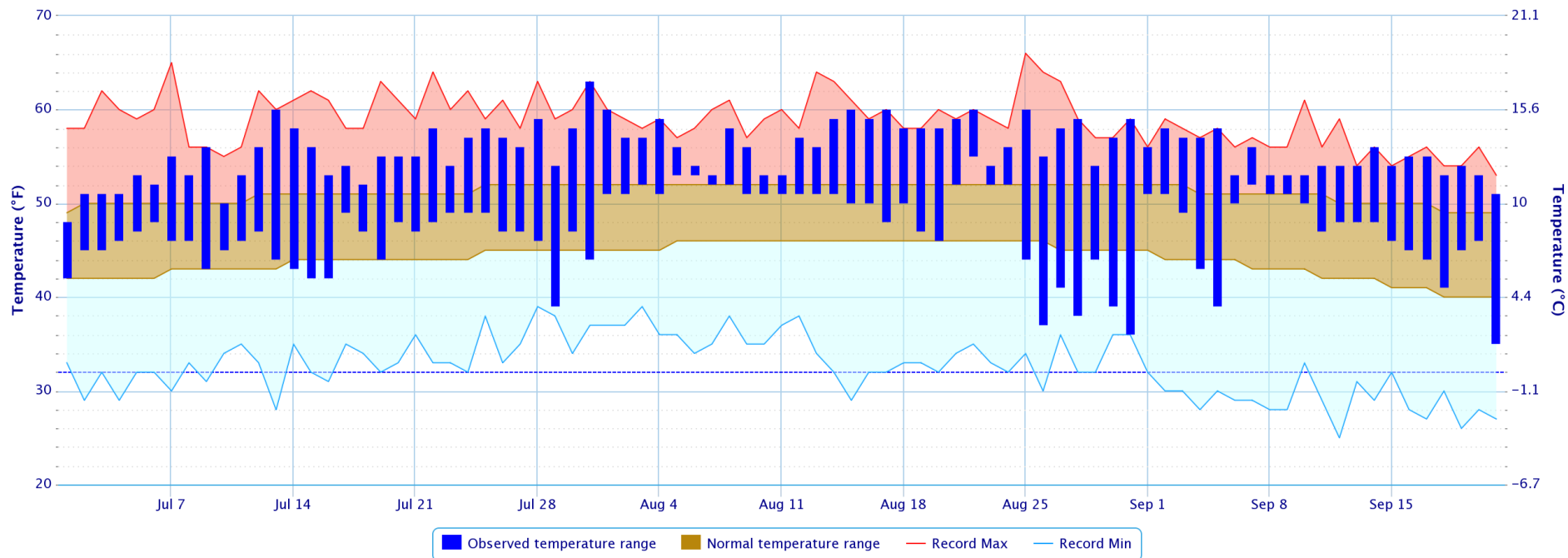


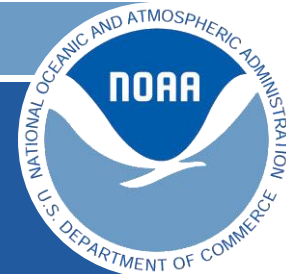


Saint Paul Island

Daily Temperature Data – St Paul Island Area, AK (ThreadEx)

Period of Record – 1892-09-01 to 2014-09-21. Normals period: 1981-2010. Click and drag to zoom chart.



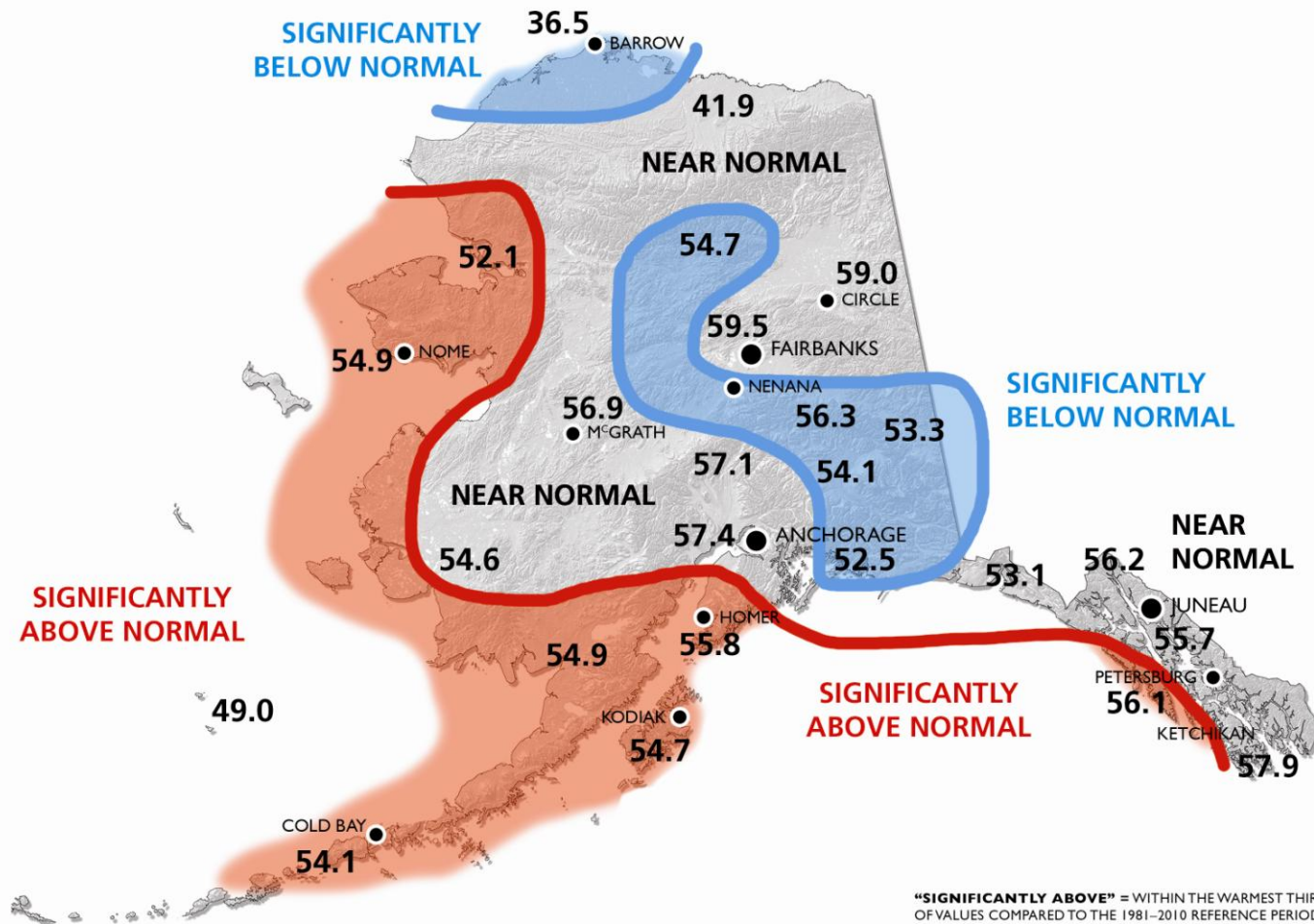


Summer 2014

ALASKA TEMPERATURES, °F

JUNE–SEPTEMBER 2014

DATA AND ANALYSIS ARE PRELIMINARY AND SUBJECT TO REVISION.

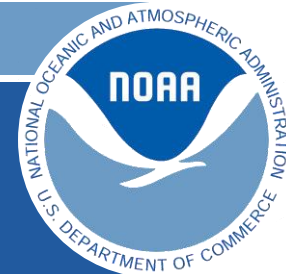


"SIGNIFICANTLY ABOVE" = WITHIN THE WARMEST THIRD OF VALUES COMPARED TO THE 1981–2010 REFERENCE PERIOD

"SIGNIFICANTLY BELOW" = WITHIN THE COOLEST THIRD OF VALUES COMPARED TO THE 1981–2010 REFERENCE PERIOD

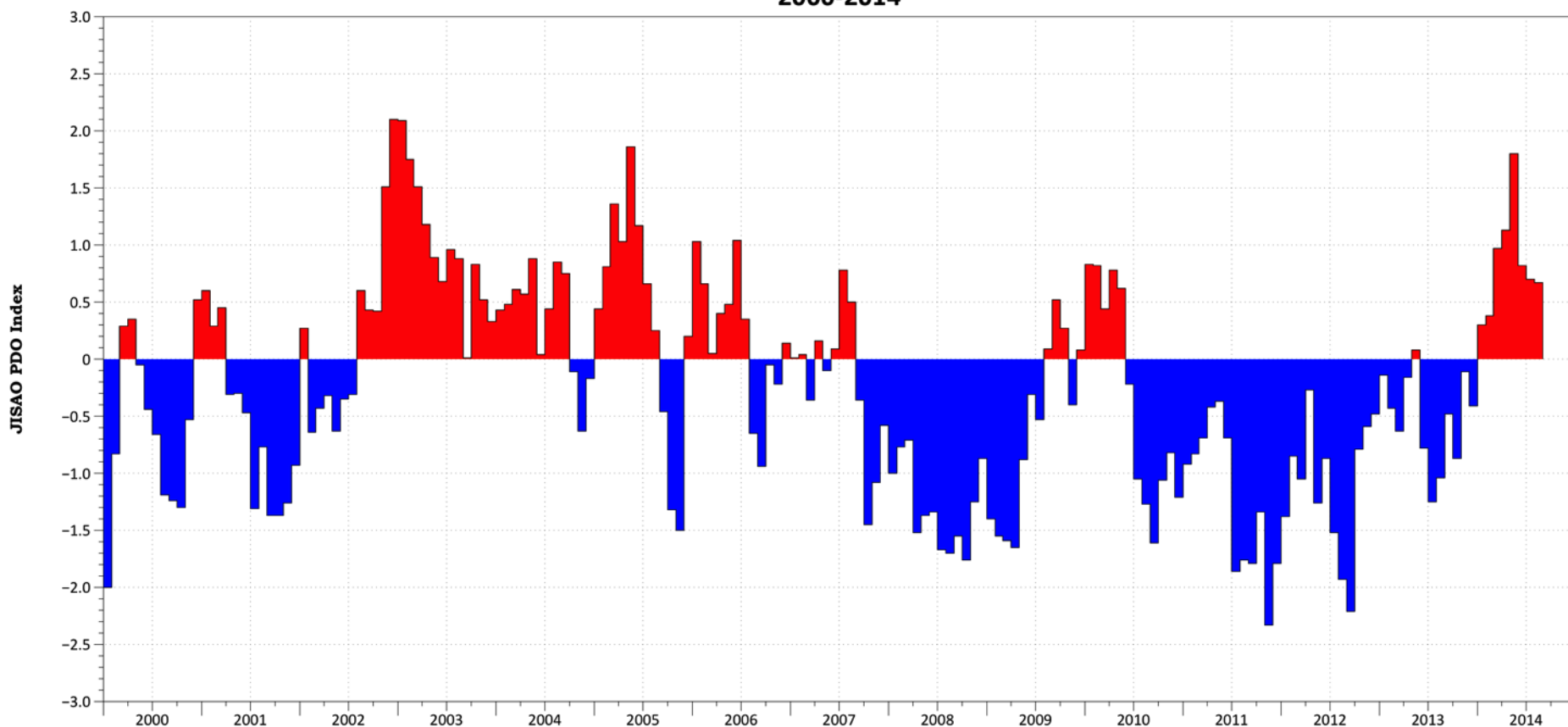


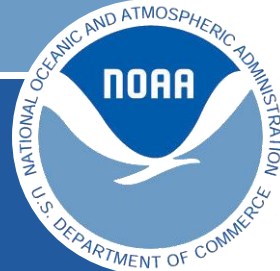
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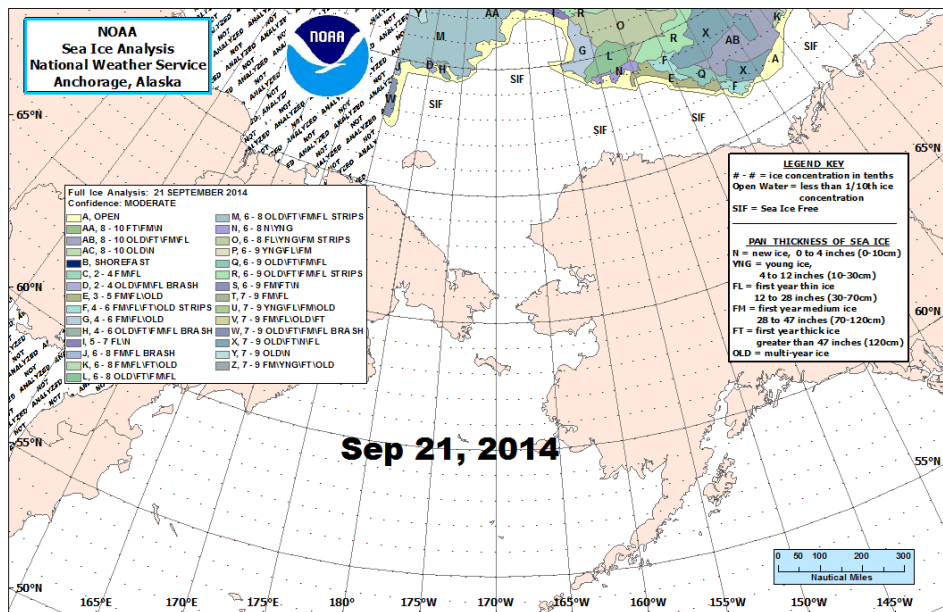
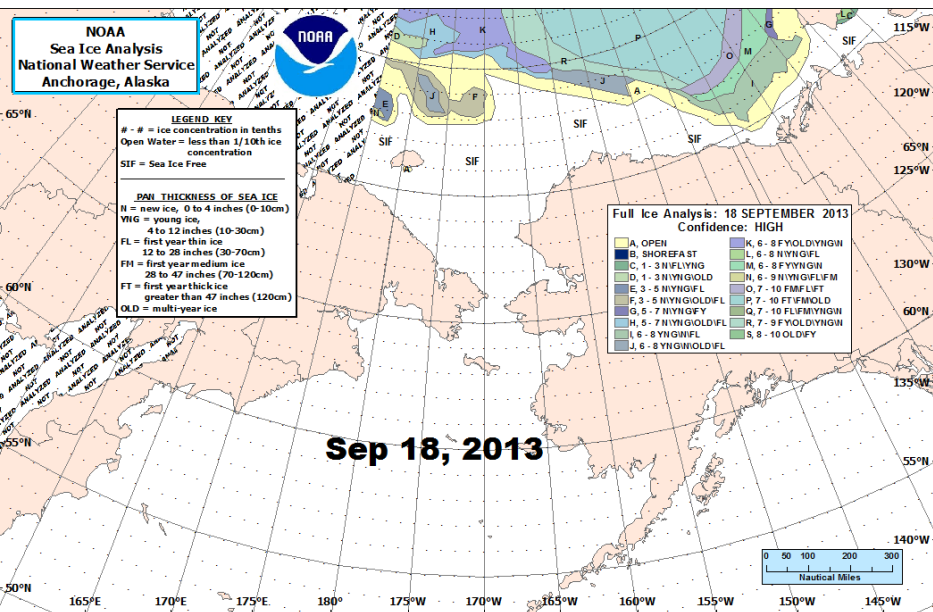
Pacific Decadal Oscillation Index

Pacific Decadal Oscillation Index
2000-2014



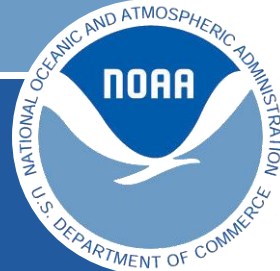


September Sea Ice

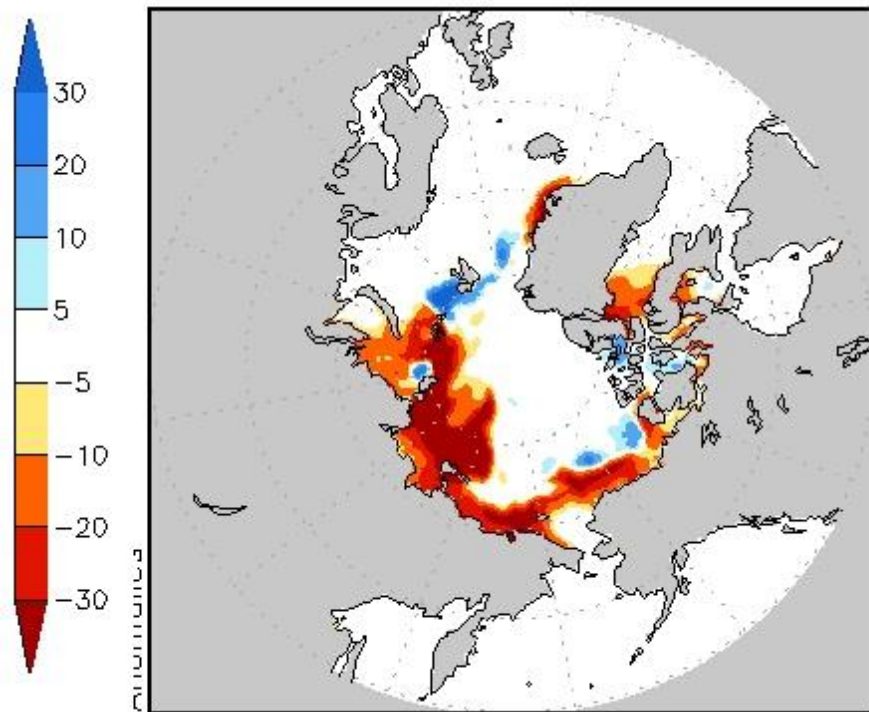




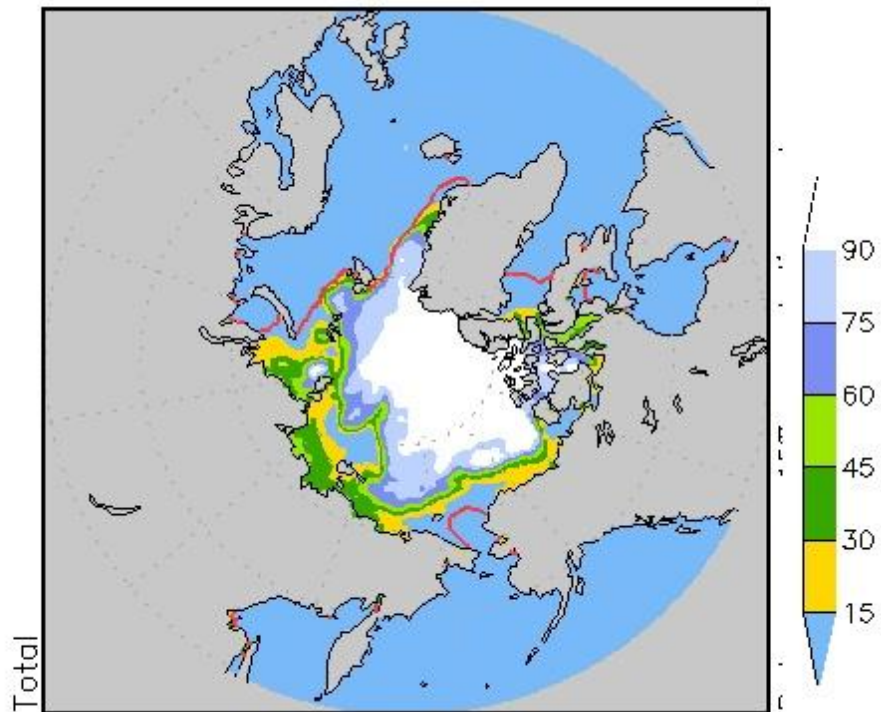
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October Sea Ice Forecast



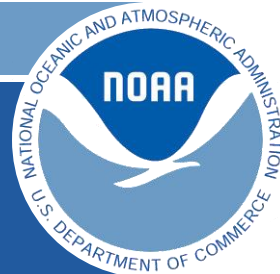
Mean Departure from 1999-2010 Average



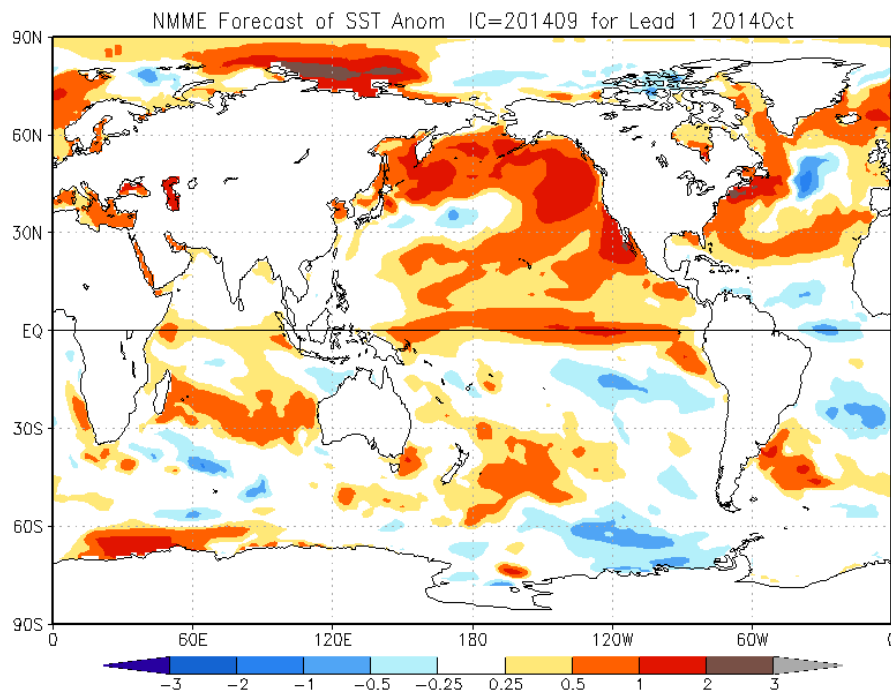
Average Coverage



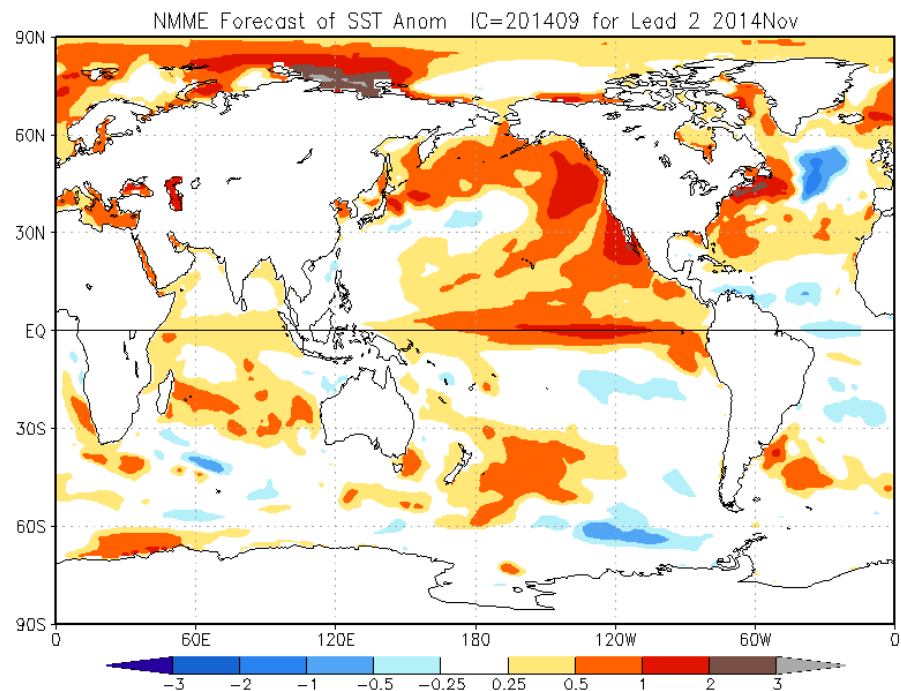
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Sea Surface Temp Forecasts

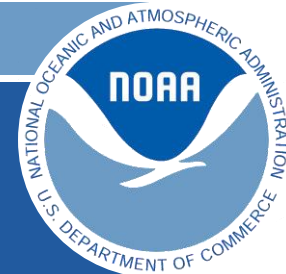


Forecast for October

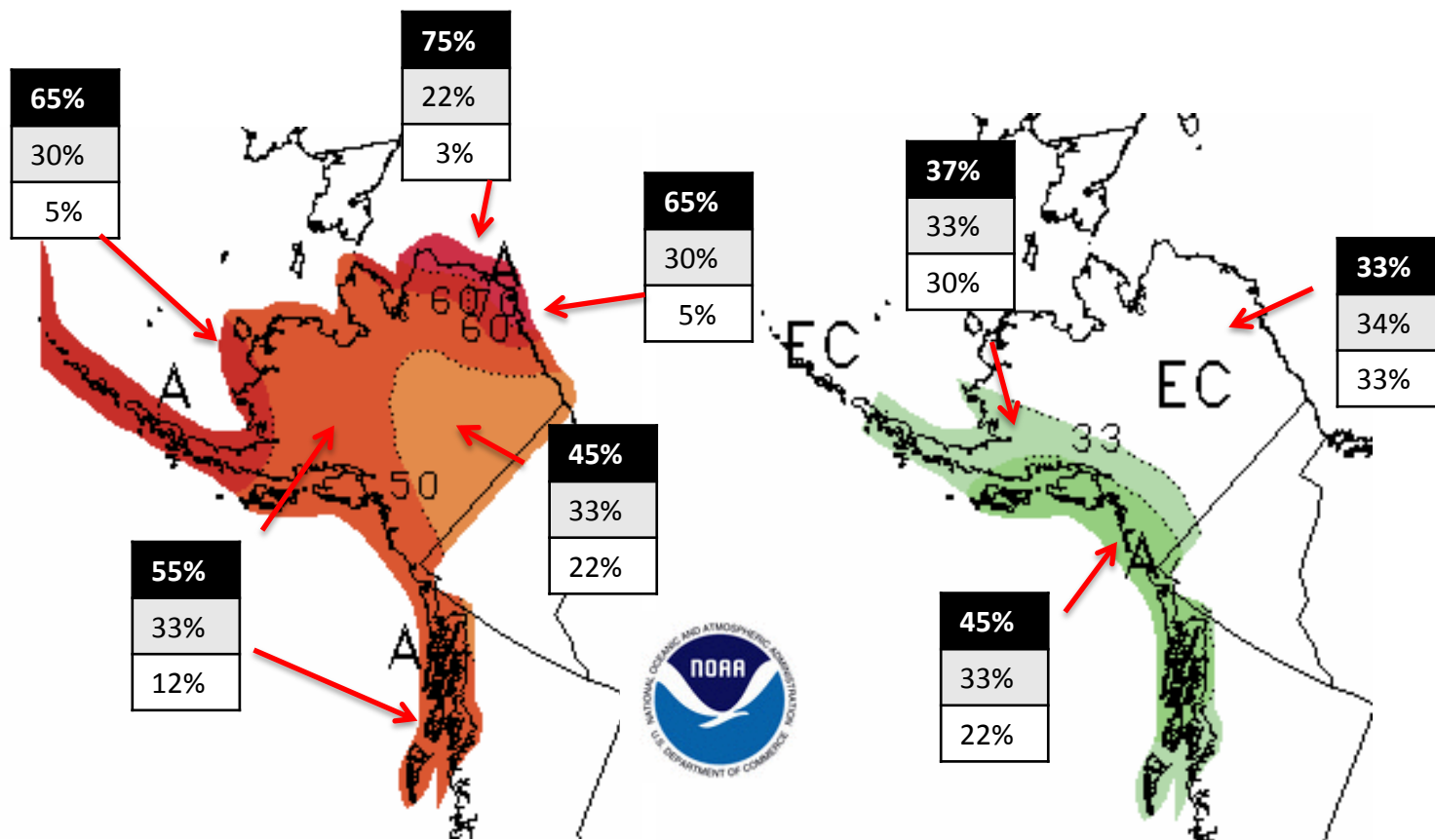


Forecast for November

Eight models, 100+ ensemble members

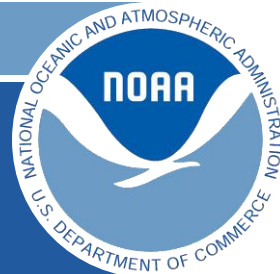


Climate Prediction Center October Outlook



ONE-MONTH OUTLOOK
TEMPERATURE PROBABILITY
0.5 MONTH LEAD
VALID OCT 2014
MADE 18 SEP 2014

ONE-MONTH OUTLOOK
PRECIPITATION PROBABILITY
0.5 MONTH LEAD
VALID OCT 2014
MADE 18 SEP 2014



- What's happening in your area?
- Questions?
 - richard.thoman@noaa.gov