

GLACIER

Science Expo for the Media

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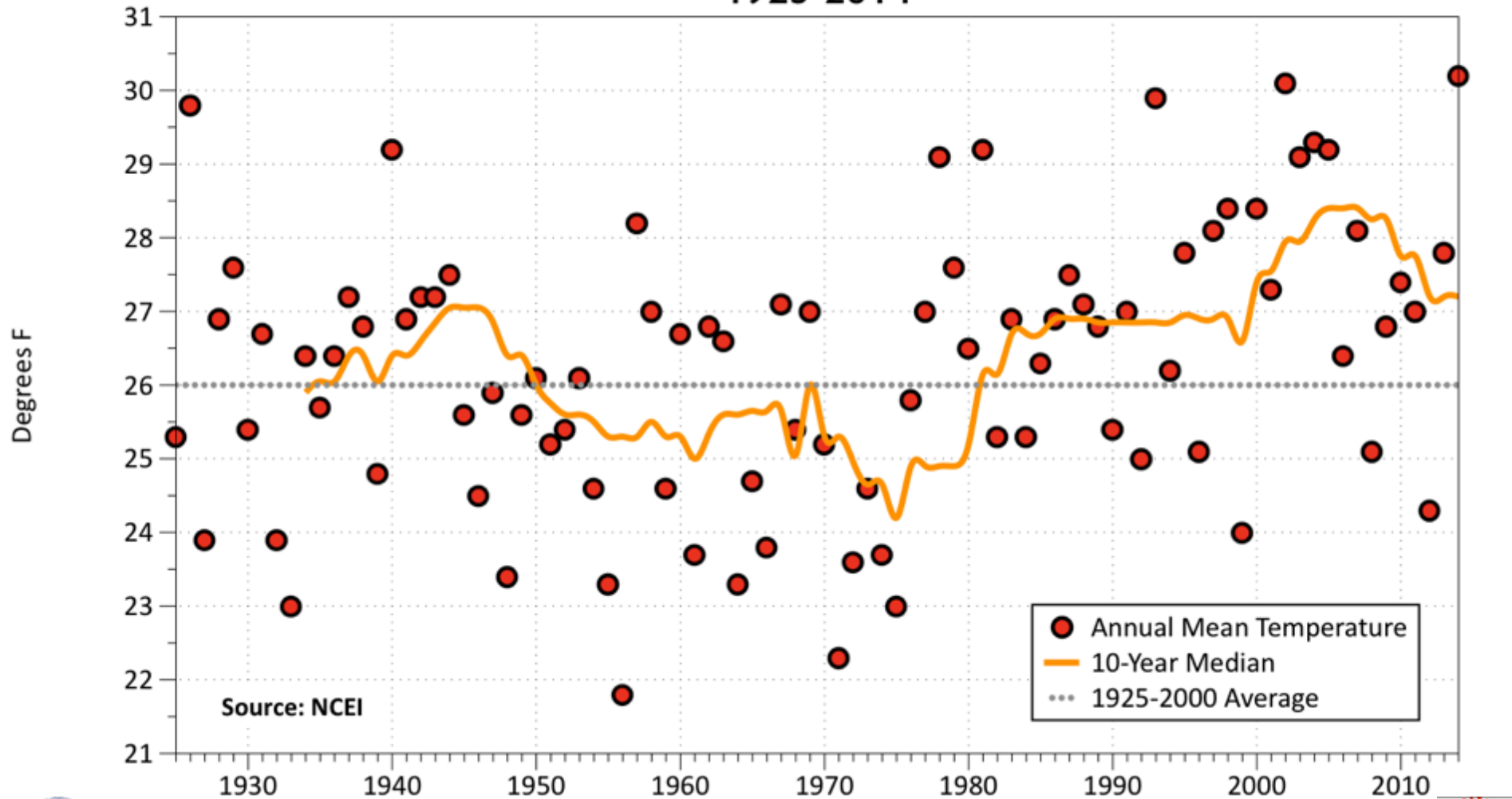


Alaska has been in the Headlines



Alaska is Getting Warmer

Alaska Mean Annual Temperature
1925-2014



Source: NCEI

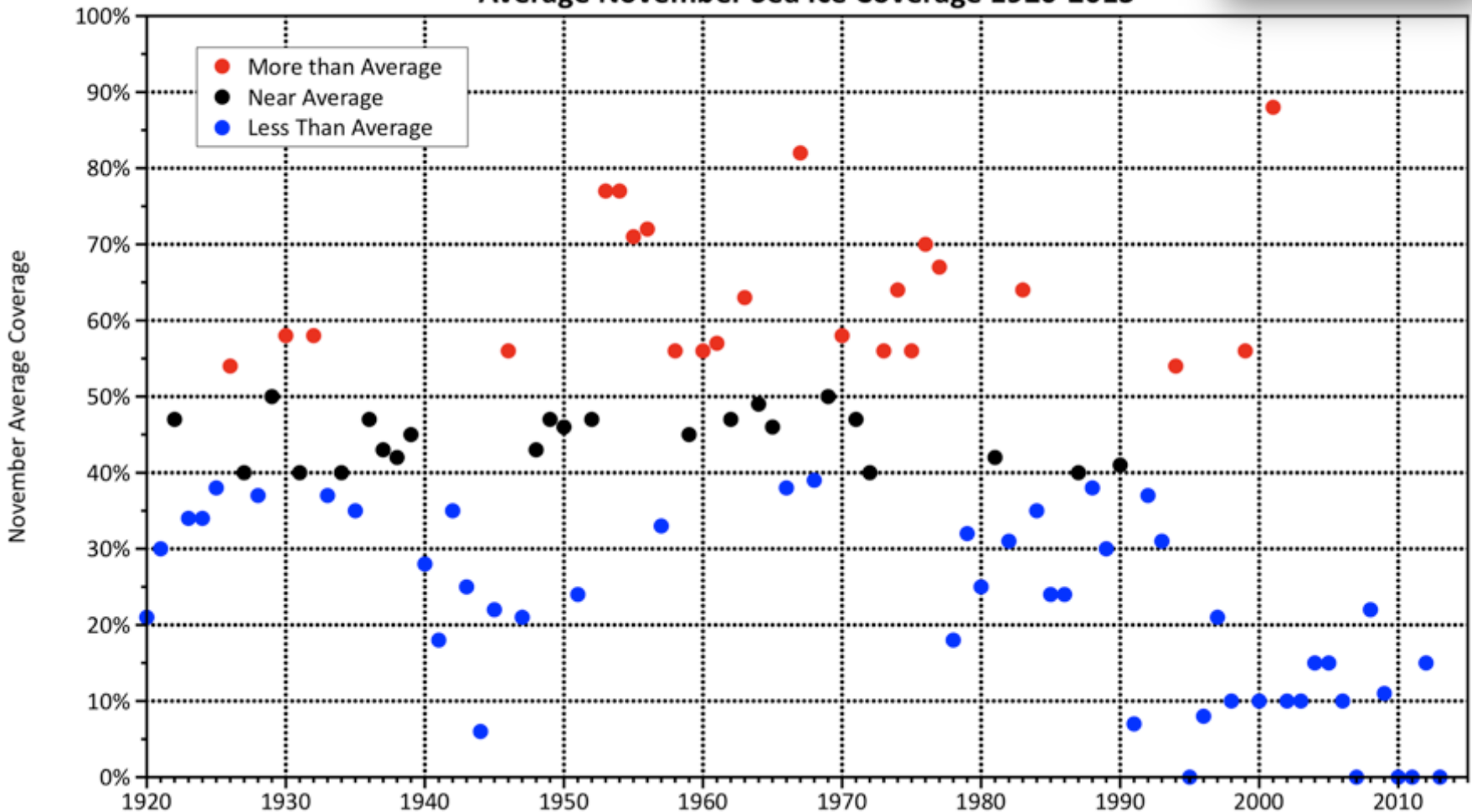
● Annual Mean Temperature
— 10-Year Median
--- 1925-2000 Average



Autumn Sea Ice is Declining



Offshore Shismaref (67N, 167W)
Average November Sea Ice Coverage 1920-2013



A warming Alaska means changes in snow & ice

- New and expanded hazards
- Decrease in snow and sea ice threatens cultural adaptations honed over dozens of generations
- Modern infrastructure built for a past environment
- Ecological changes, invasive species



Savoonga Jan 2011 Sea Spray Icing



Shishmaref Dec 2006 Coastal Flooding

NOAA/National Weather Service

- Building a *Weather and Climate* Ready Nation
 - Building community resilience in the face of increasing vulnerability to extreme weather and water events
- Decisions and actions based on sound science support healthy, productive, and resilient communities and ecosystems.

