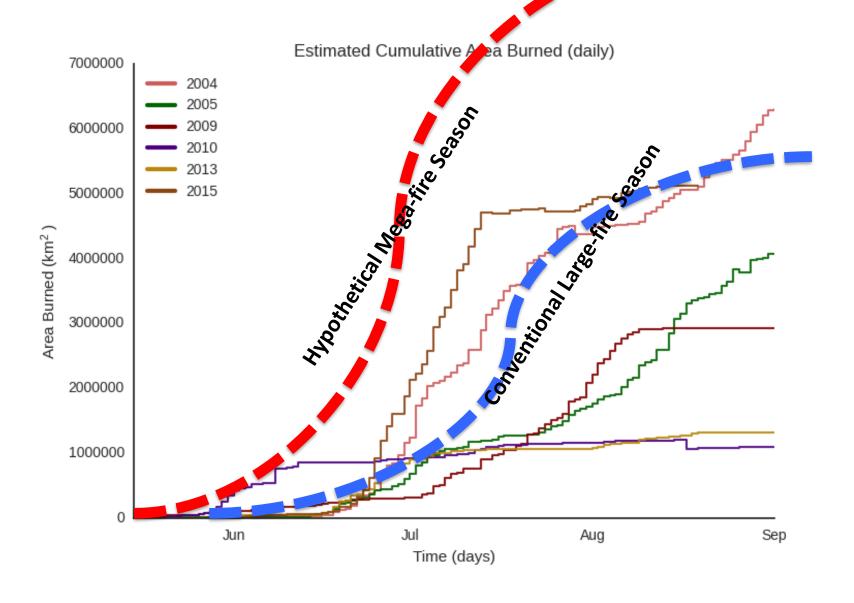




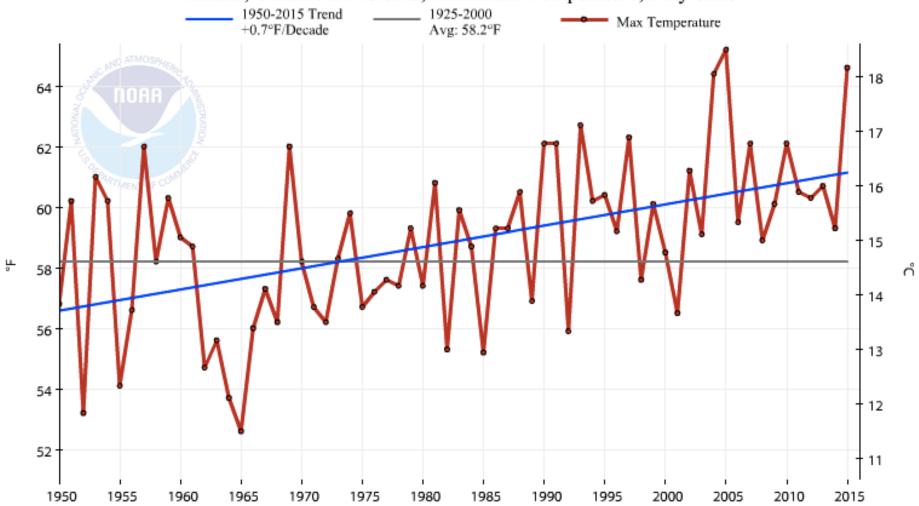
Scott Rupp

Scenarios Network for Alaska + Arctic Planning Fairbanks, AK

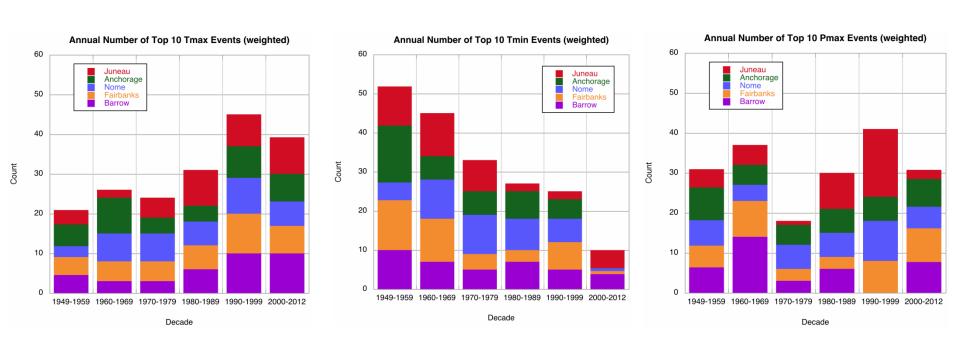
October 2015



Alaska, Climate Division 3, Maximum Temperature, May-June

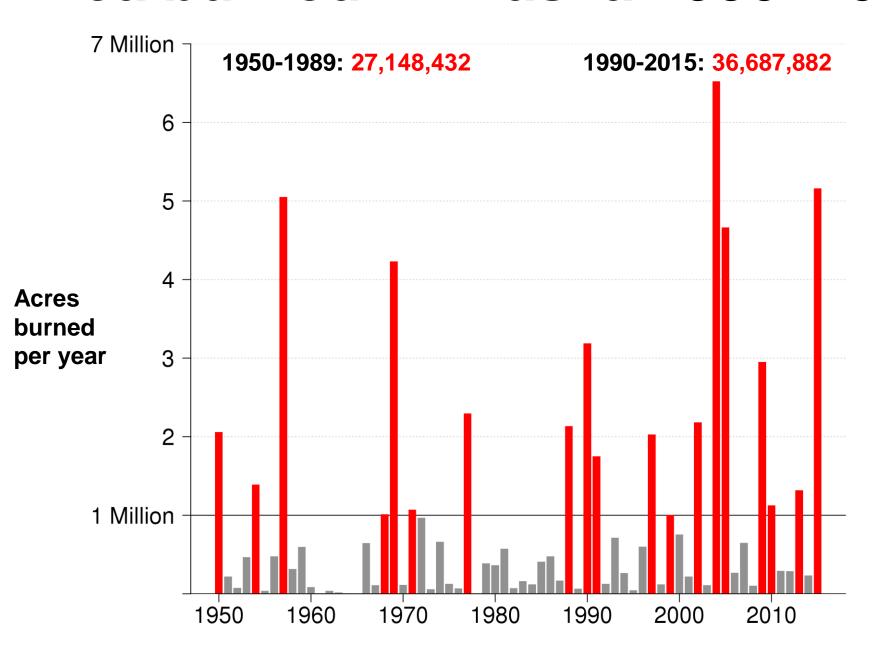


Changes in the decadal frequencies of extremes

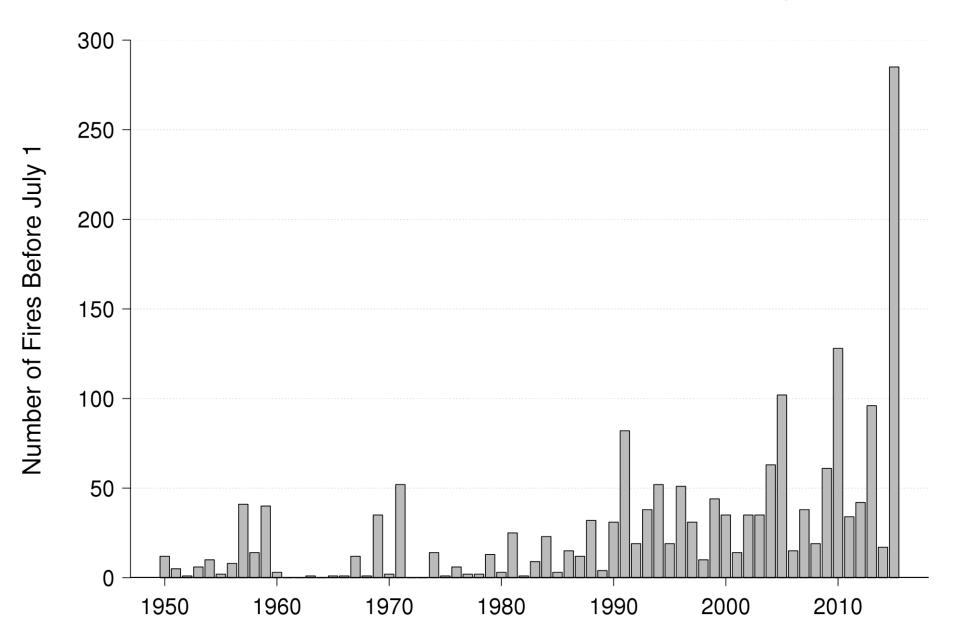


Source: John Walsh

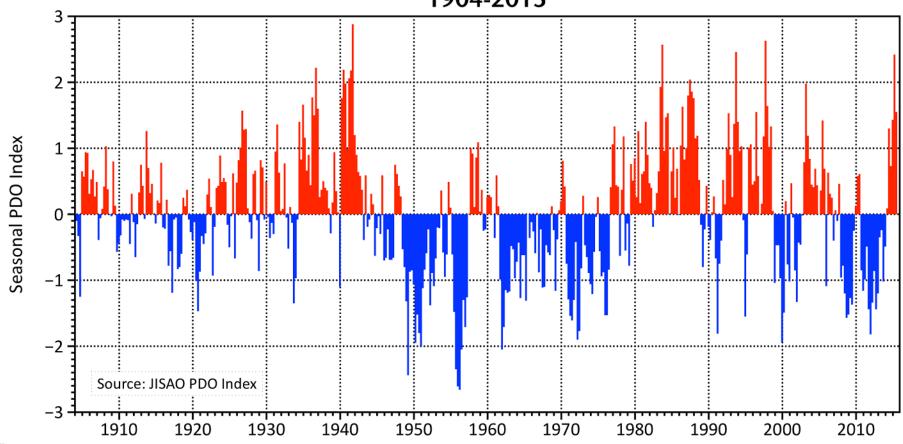
Area burned in Alaska 1950-2015



Fire Starts with a Perimeter Before July 1

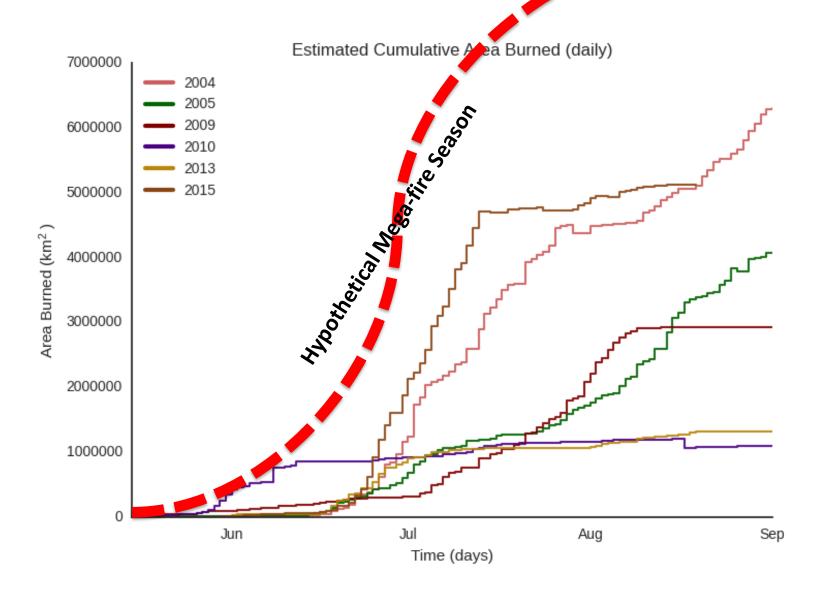


Pacific Decadal Oscillation Index 3-Month Non-Overlapping Seasons 1904-2015





Source: Rick Thoman



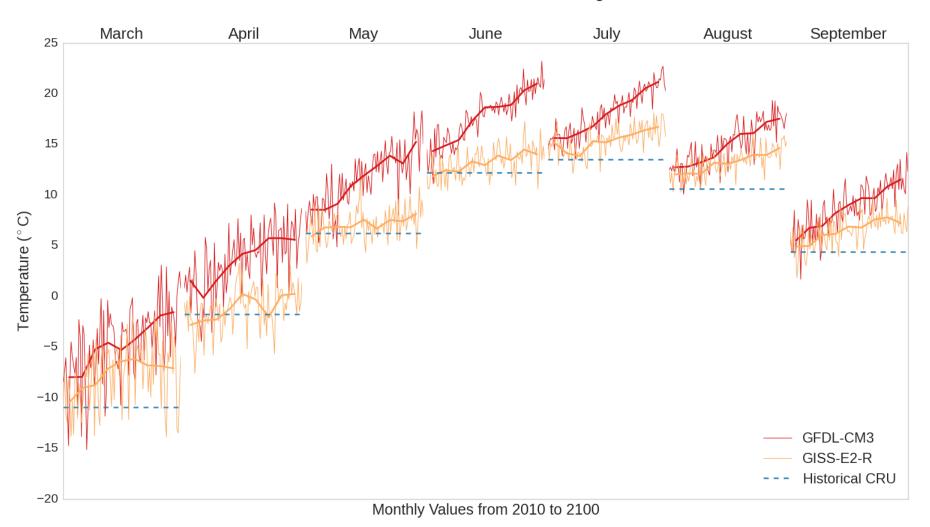
Weather



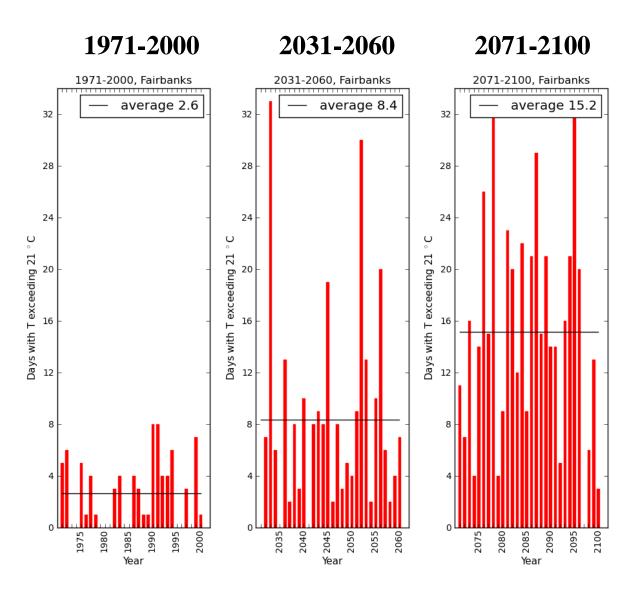
Ignition

Fuel

Monthly Average Temperature CMIP5 Models: GISS-E2-R and GDL-CM3, RCP 8.5 with 1980-2010 Historical CRU Averages

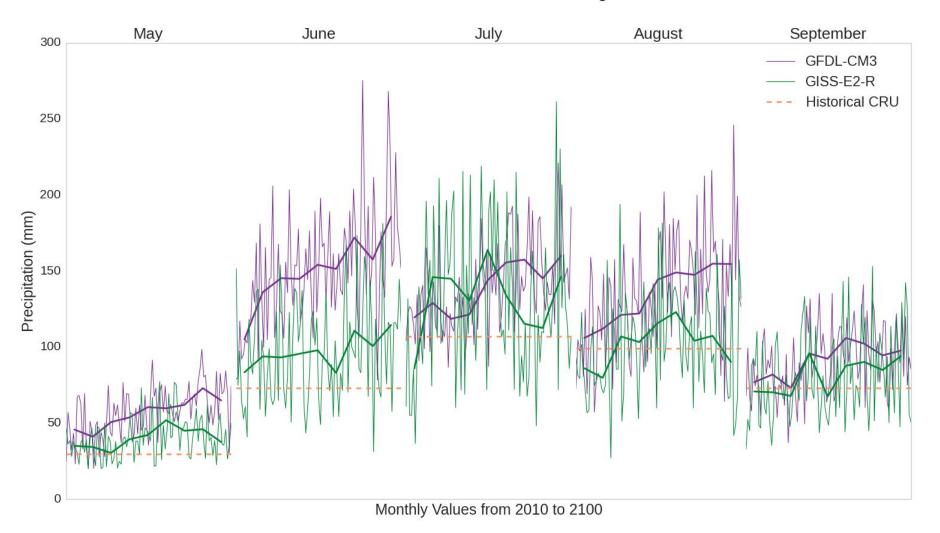


Fairbanks: Days 21°C (70°F) or warmer

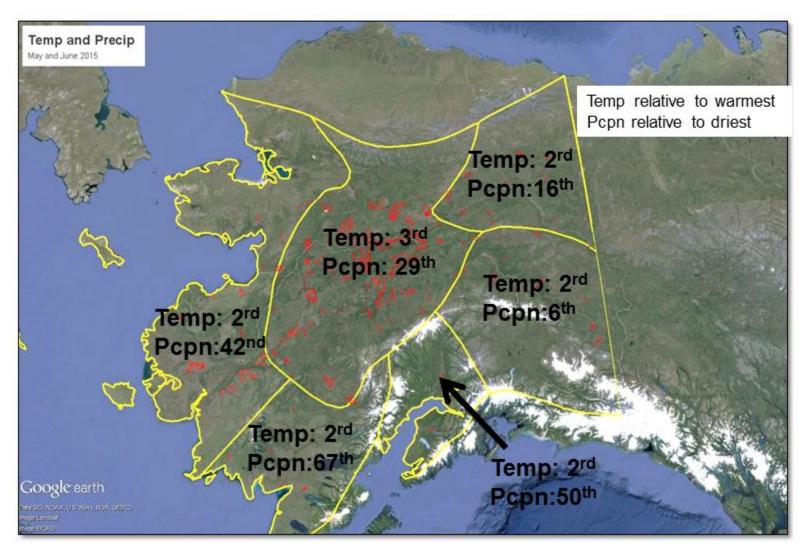


Source: John Walsh

Monthly Average Precipitation CMIP5 Models: GISS-E2-R and GDL-CM3, RCP 8.5 with 1980-2010 Historical CRU Averages



May and June 2015 Temp/Pcpn Ranks



Source: Rick Thoman

Modeled Future Lightning Activity

