

DOT Precipitation Frequency

Preliminary Outputs / Comparison

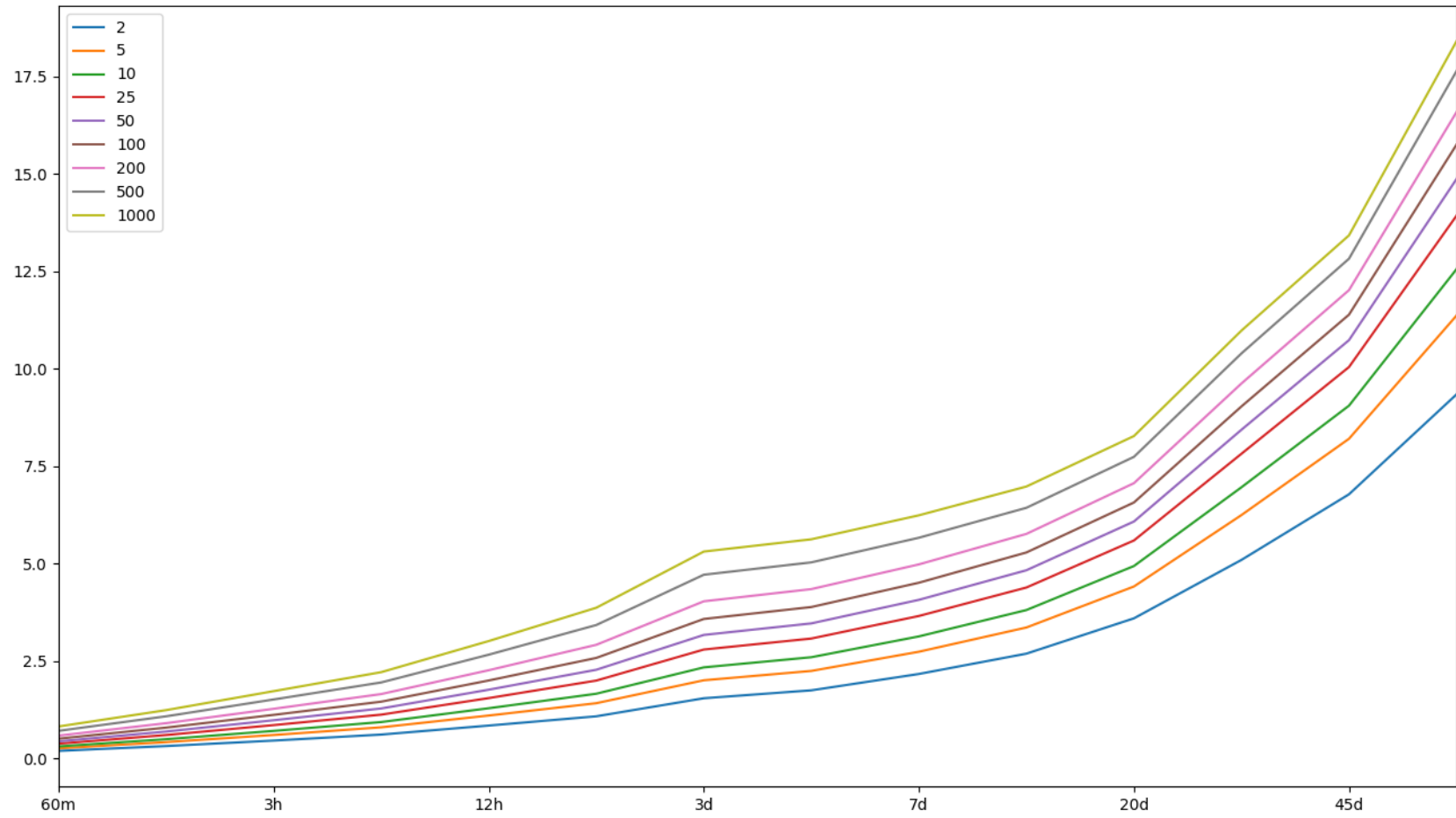
Michael Lindgren

July 23, 2019

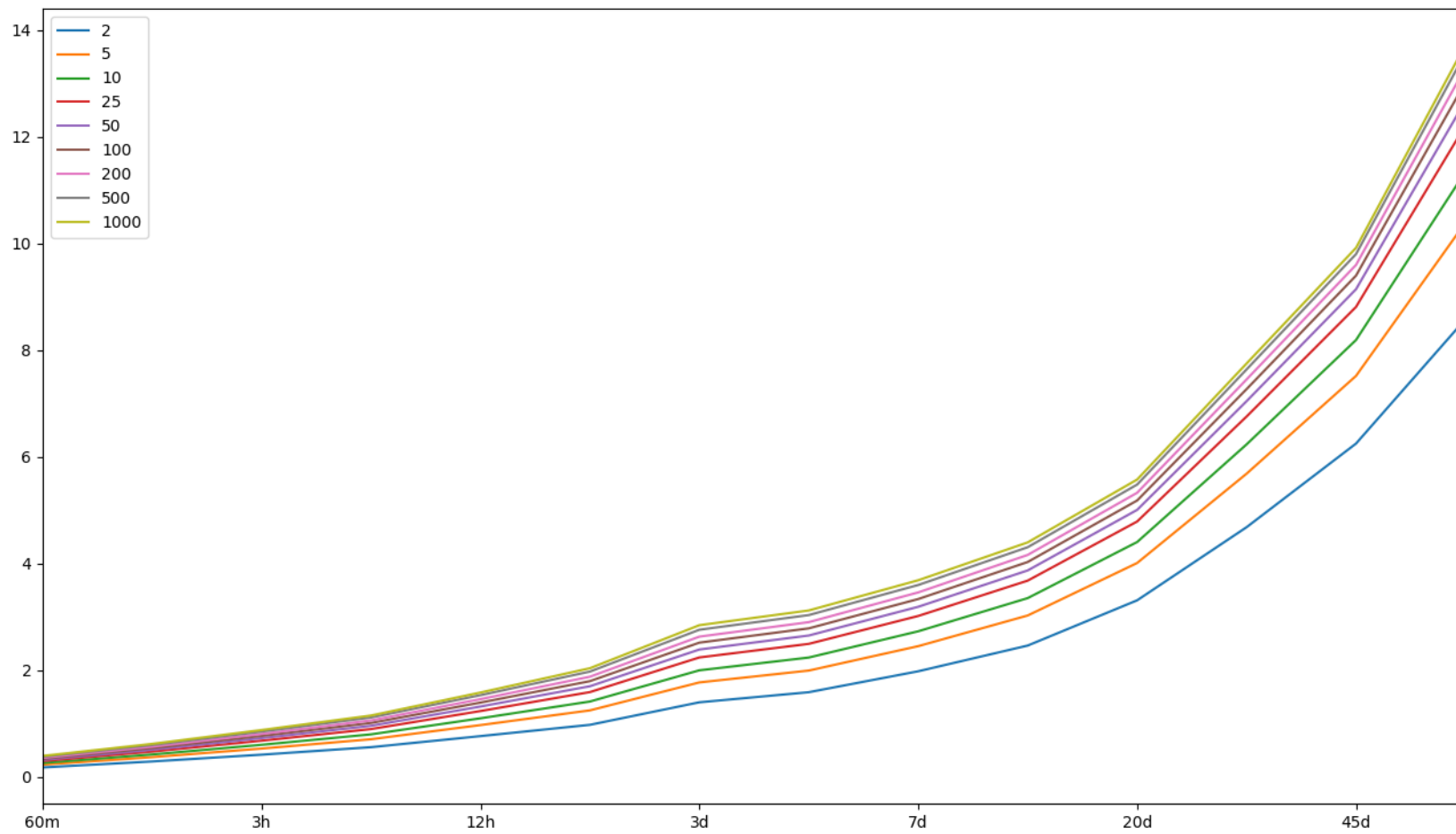
Scenarios Network for Alaska + Arctic Planning

NOAA Atlas 14 Precip Frequencies

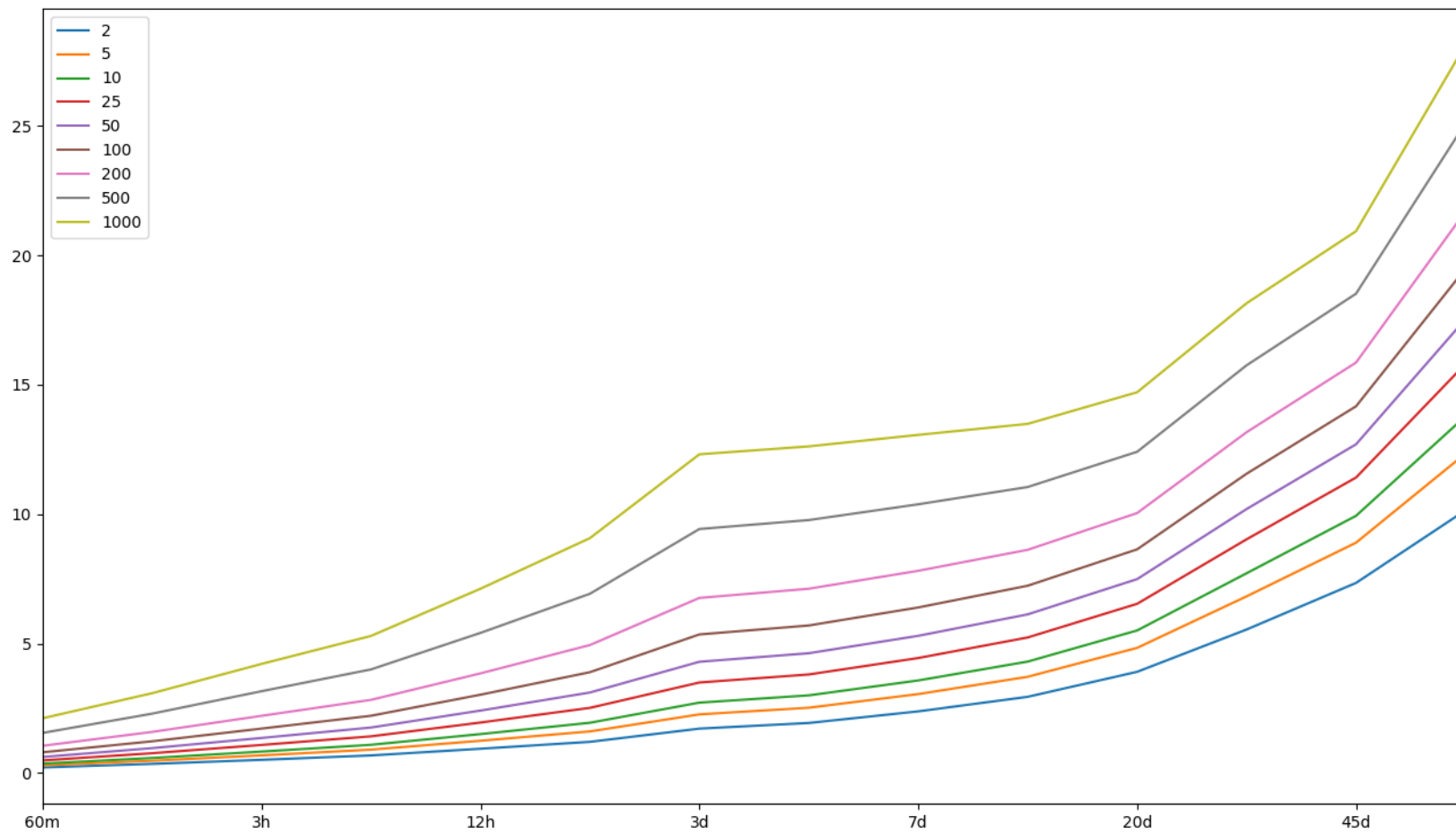
Atlas 14 Data – Precip Freq



Atlas 14 Data – Precip Freq – lower bound

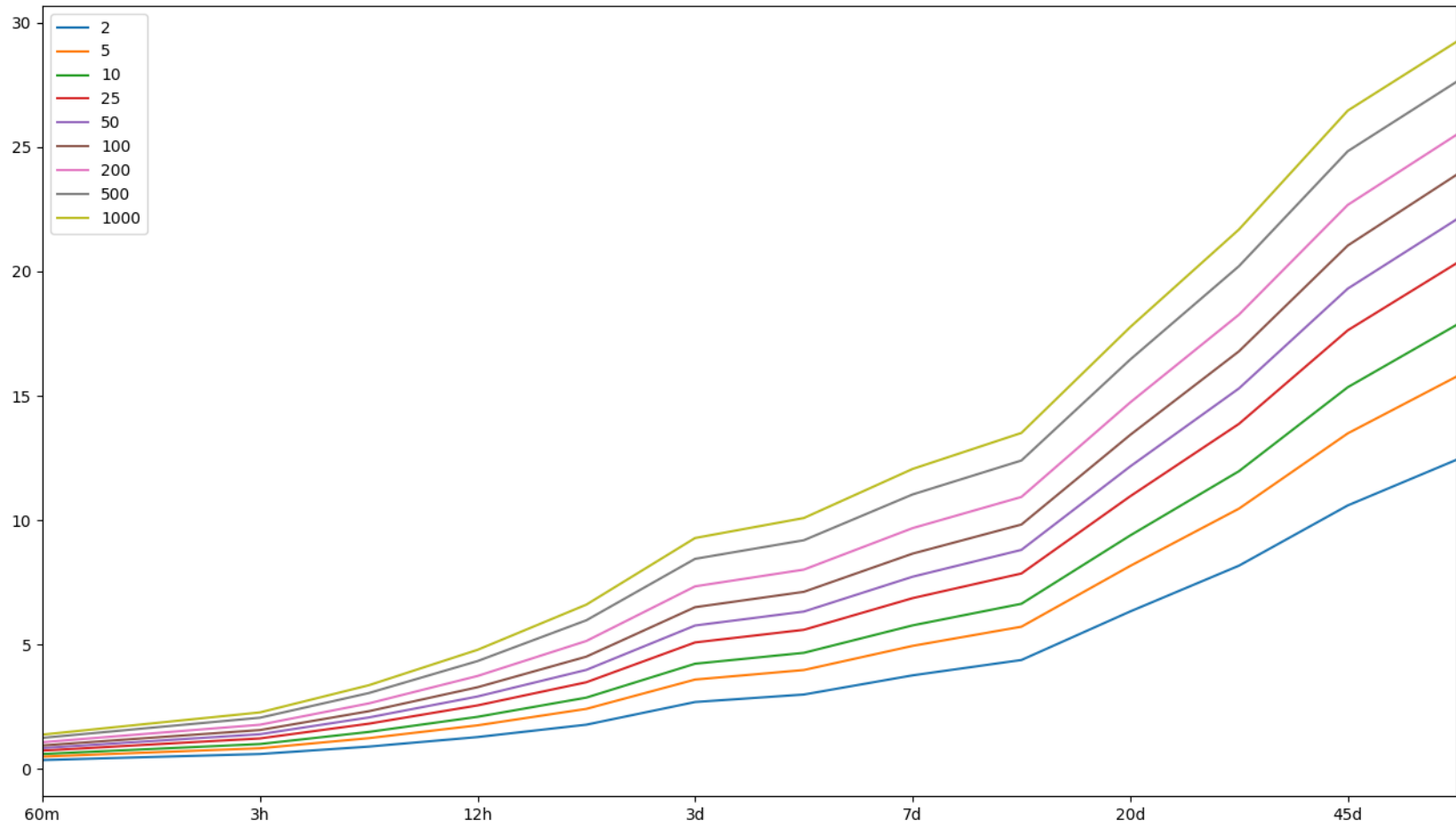


Atlas 14 Data – Precip Freq – upper bound

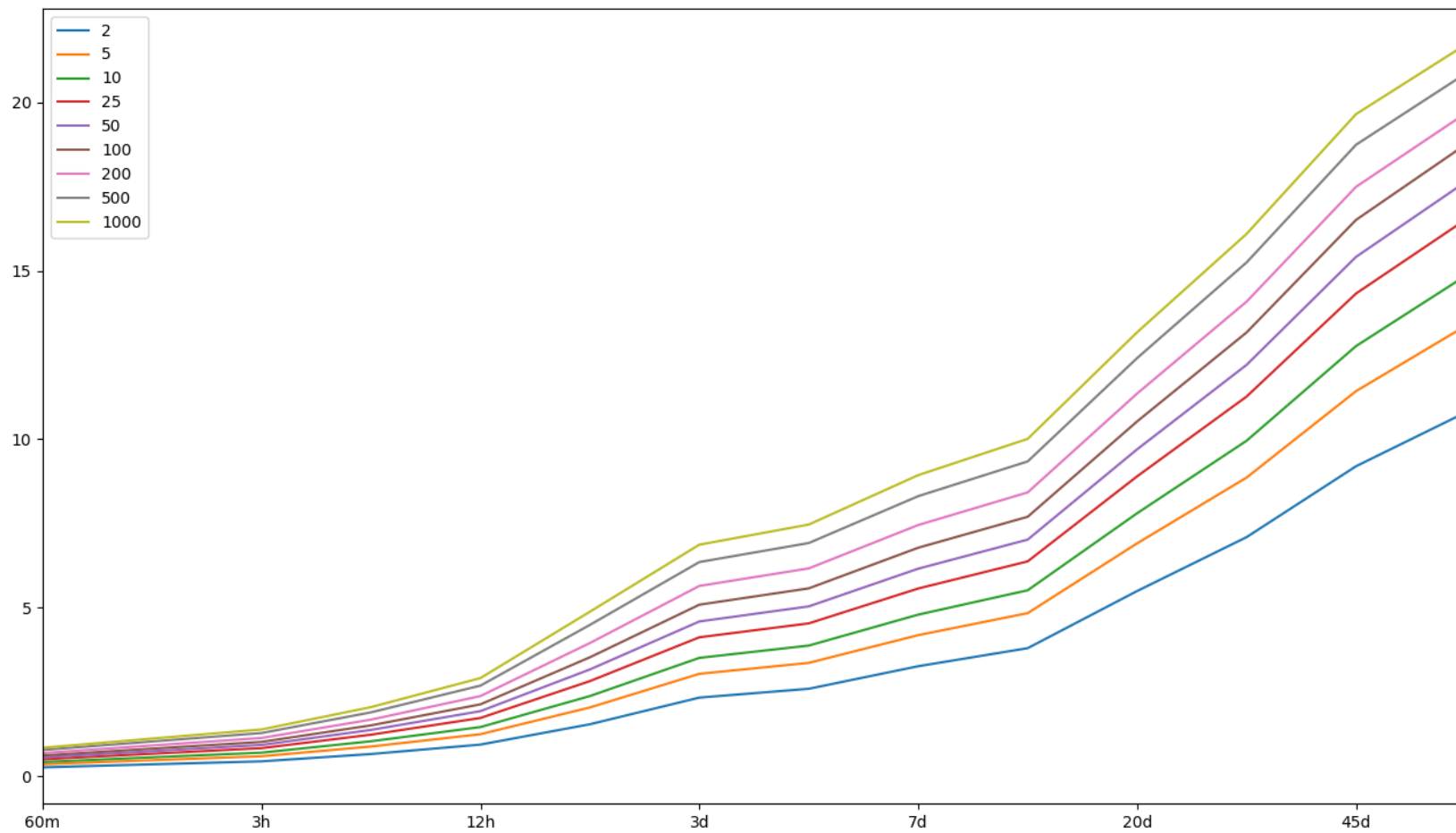


WRF-Derived Precip Frequencies

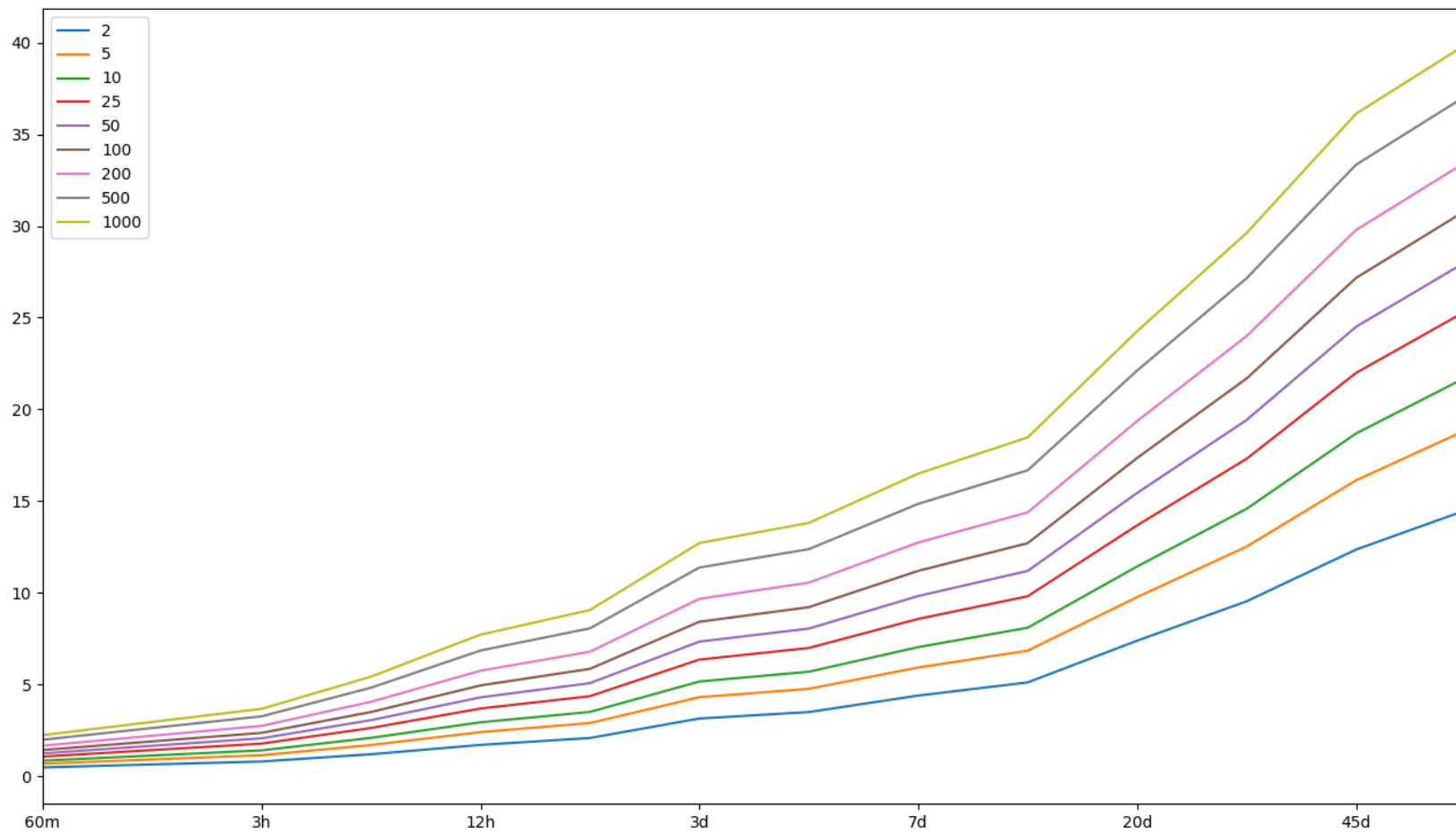
WRF-derived Data – Precip Freq



WRF-derived Data – Precip Freq – lower bound

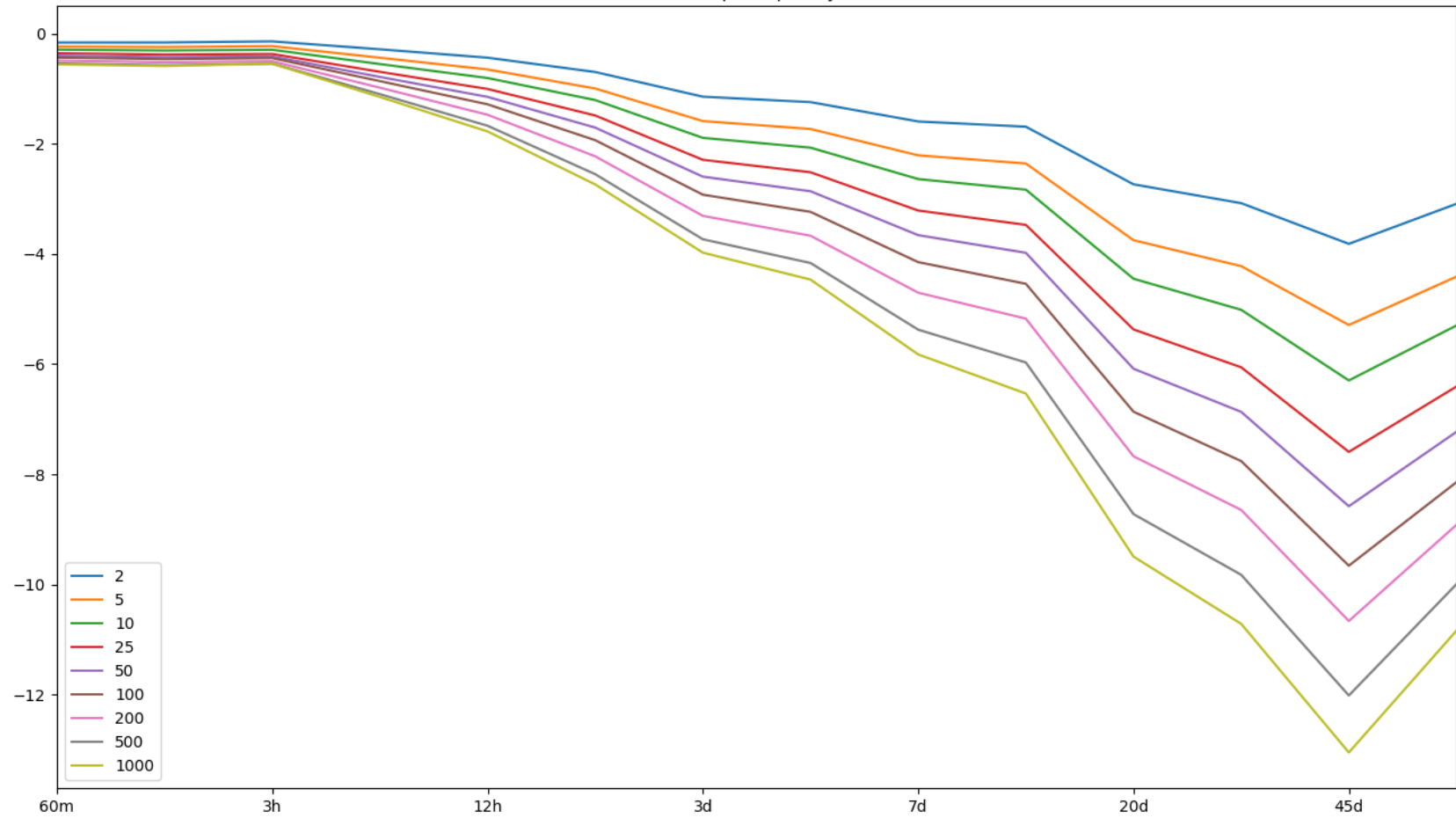


WRF-derived Data – Precip Freq – upper bound

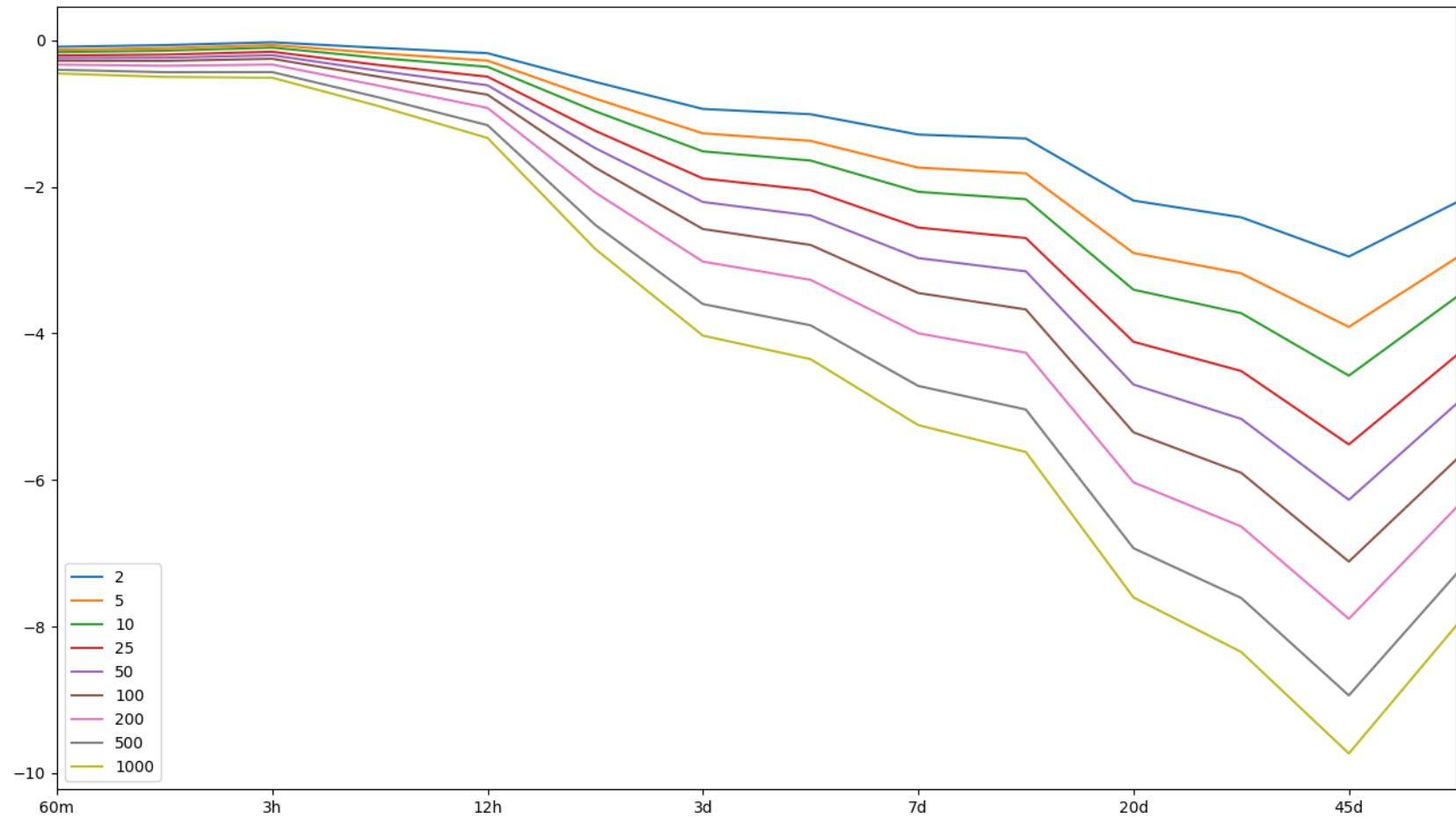


Differences Between Groups

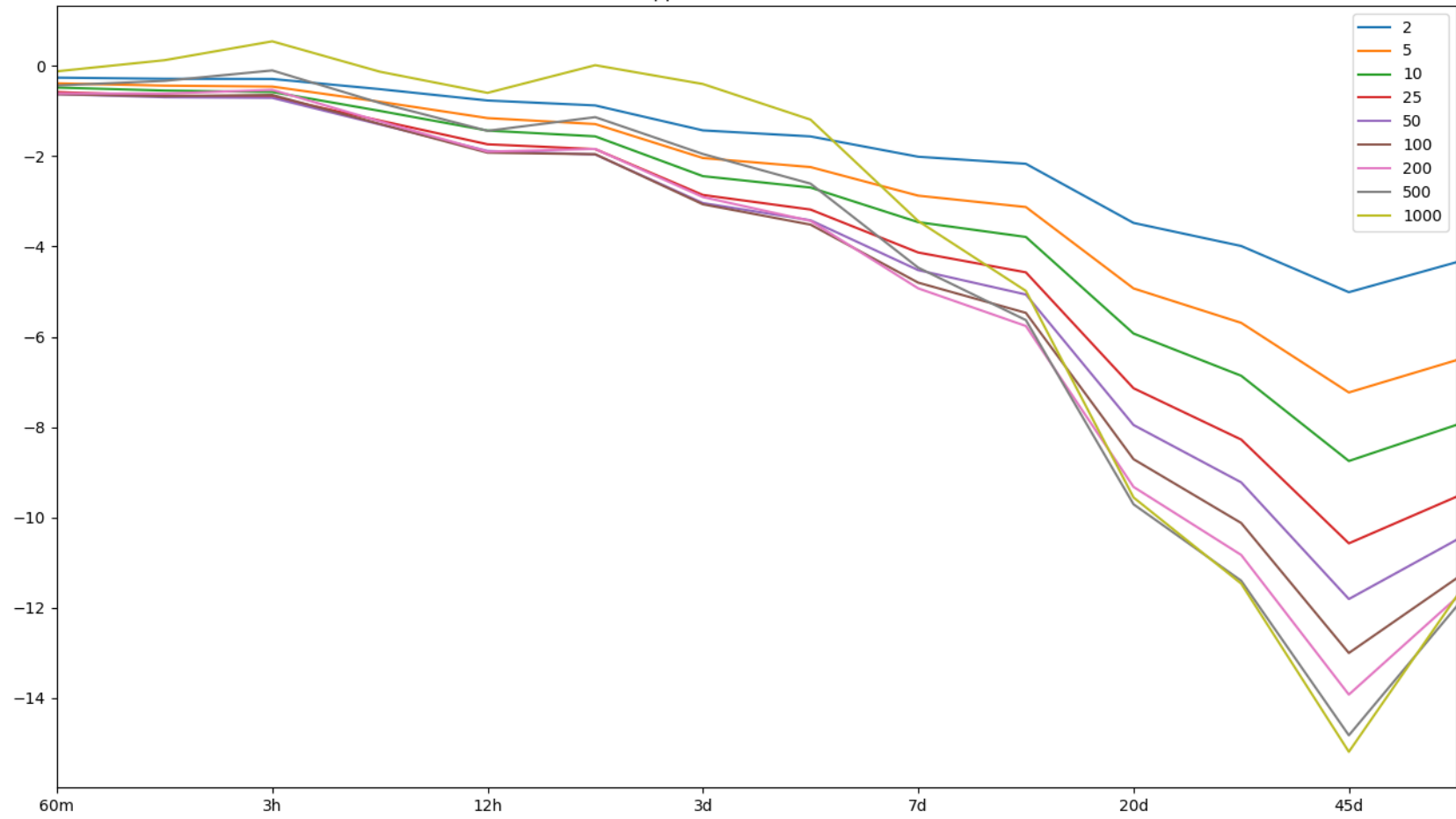
Comparison WRF - Atlas14 Differences Area-wide Mean
Precip Frequency



Comparison WRF - Atlas14 Differences Area-wide Mean
Lower Confidence Bound

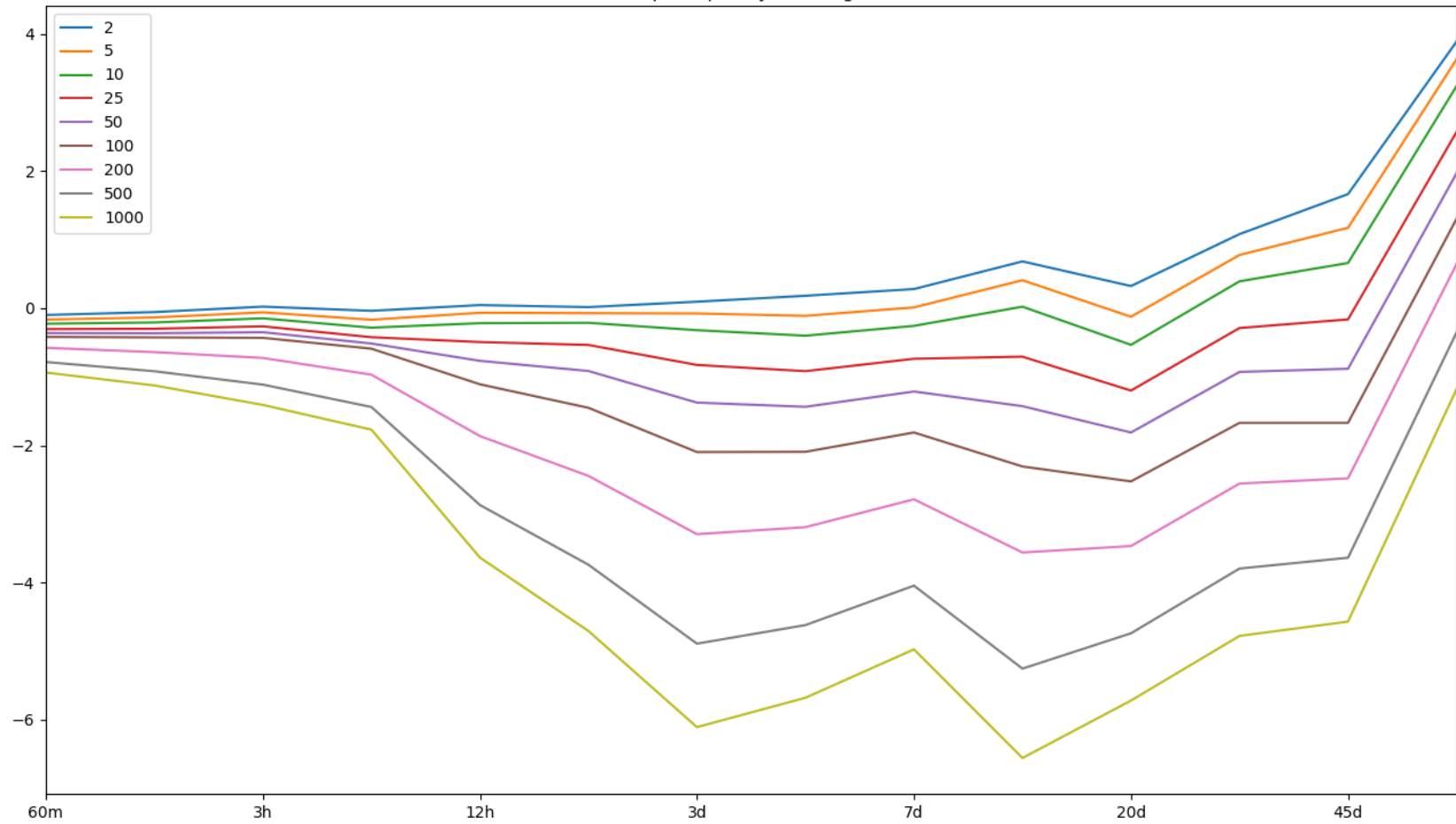


Comparison WRF - Atlas14 Differences Area-wide Mean
Upper Confidence Bound

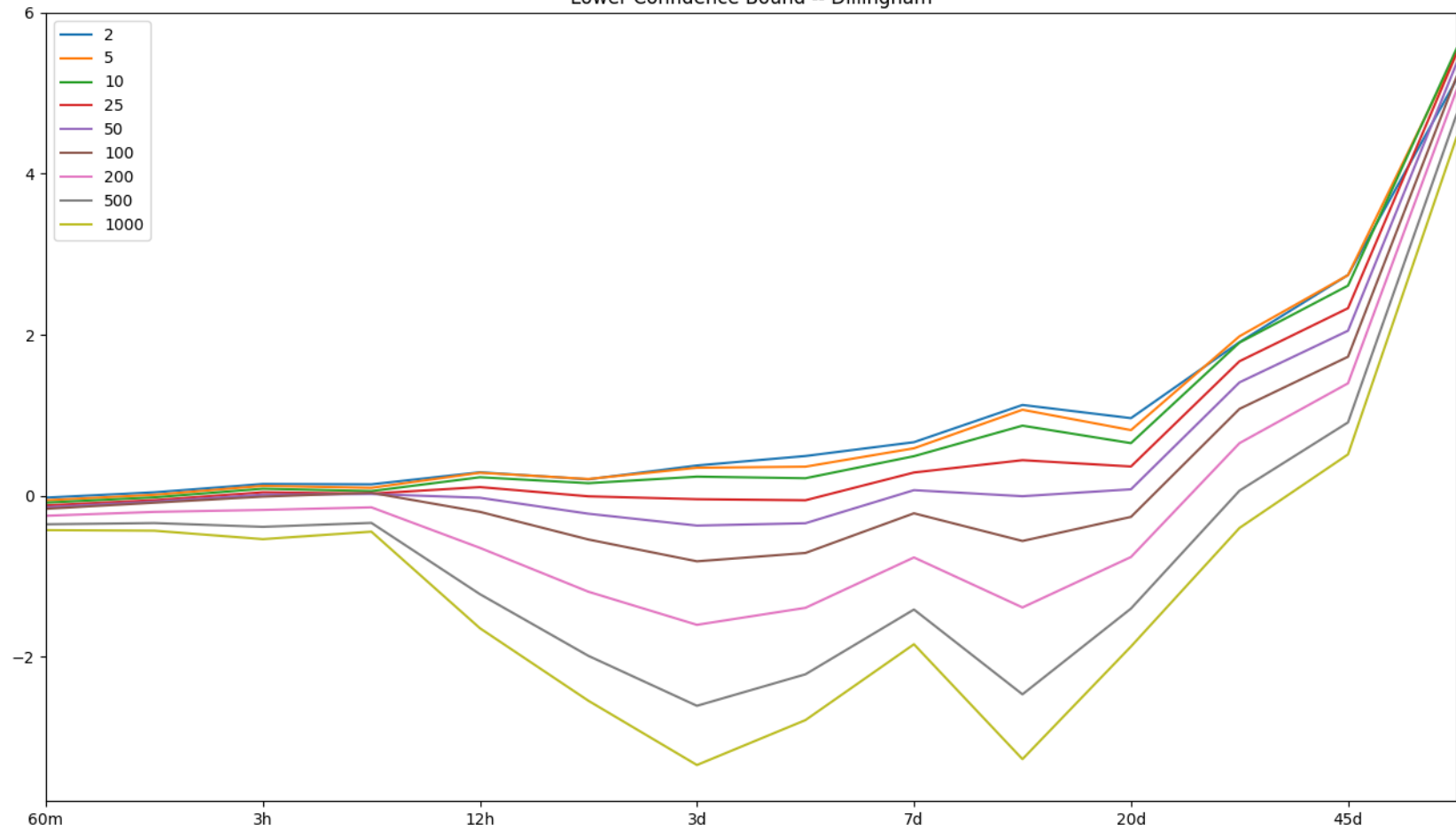


Differences Between Groups Communities

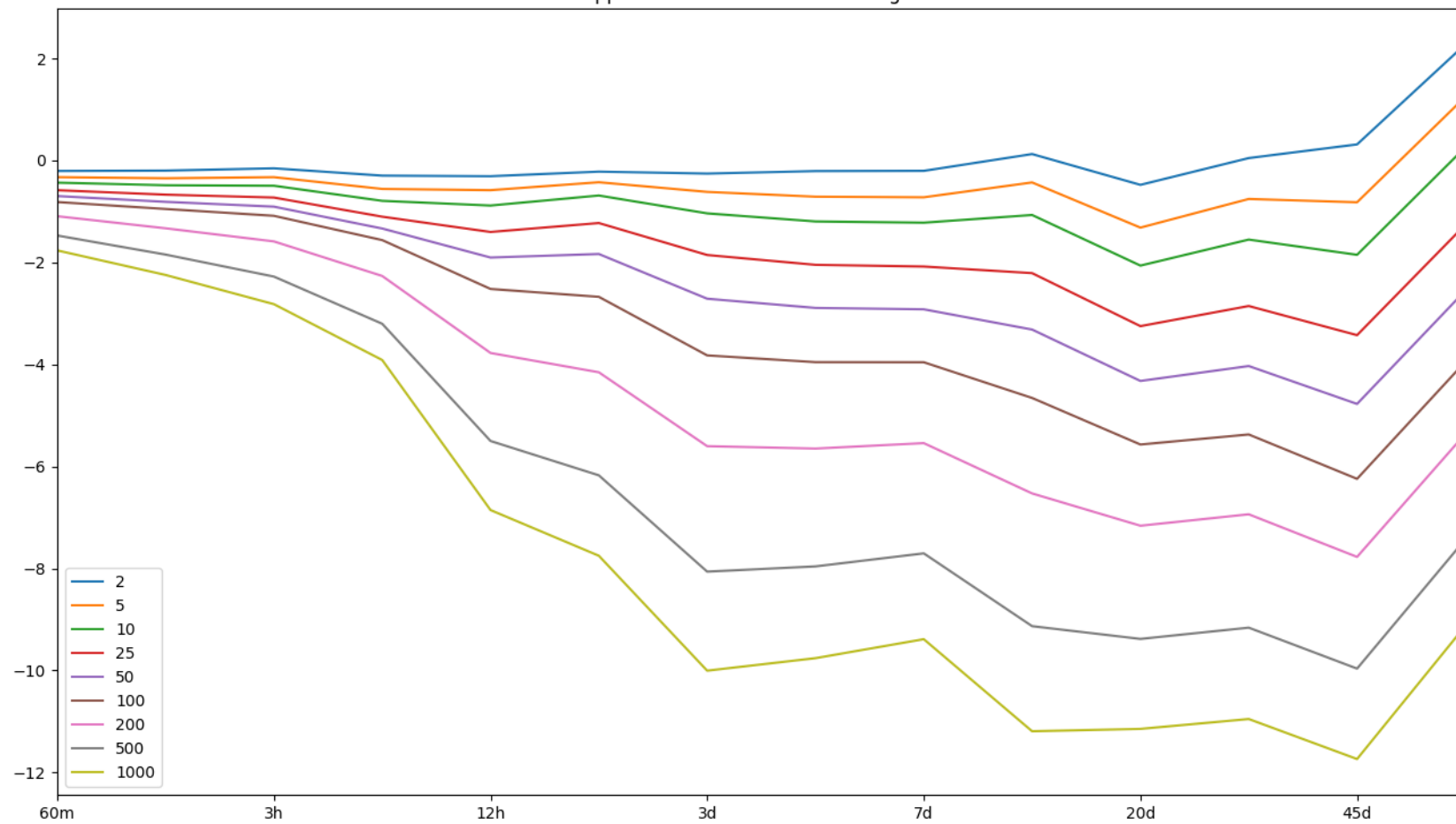
Comparison WRF - Atlas14 Differences Area-wide Mean
Precip Frequency -- Dillingham



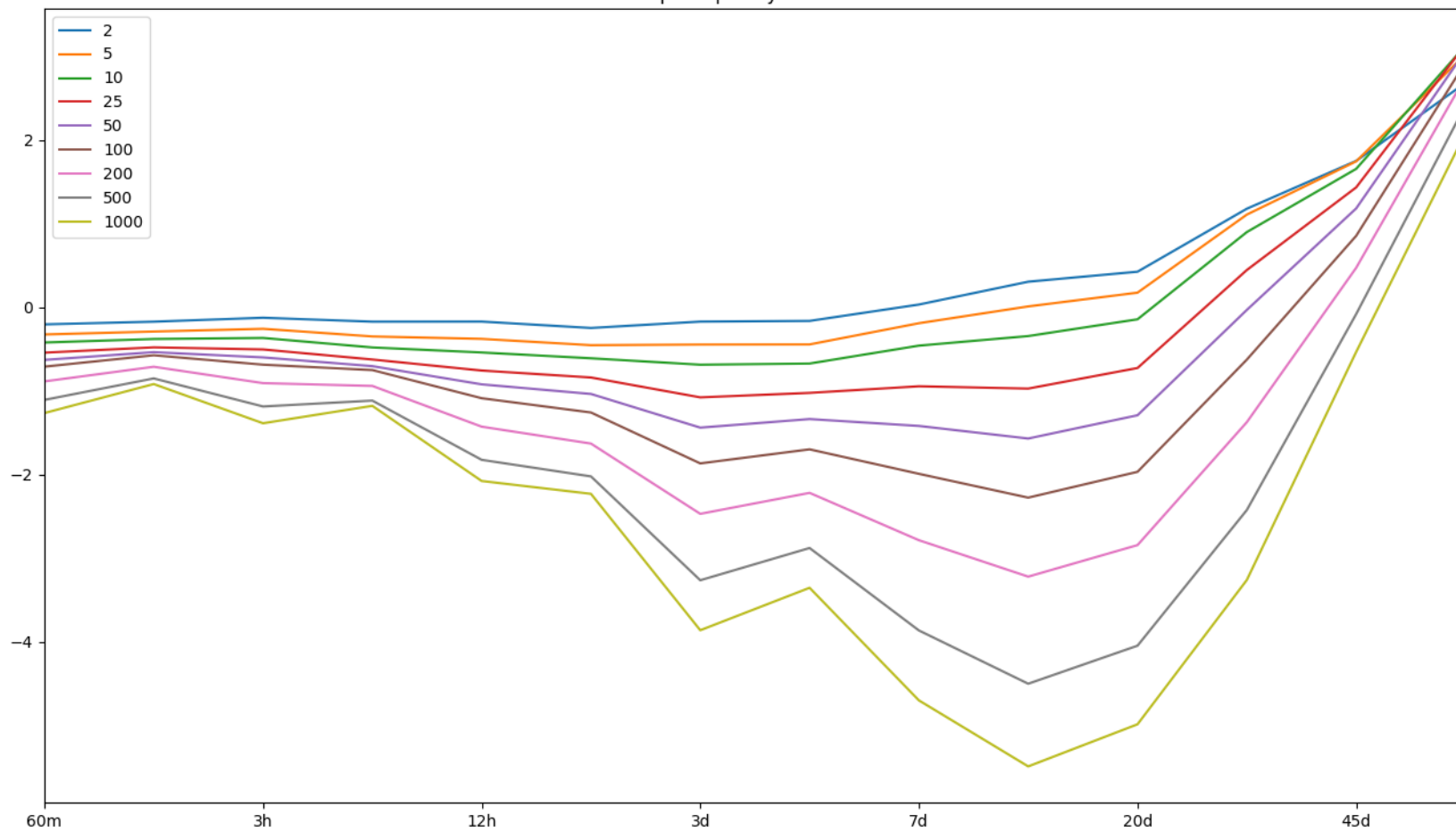
Comparison WRF - Atlas14 Differences Area-wide Mean
Lower Confidence Bound -- Dillingham



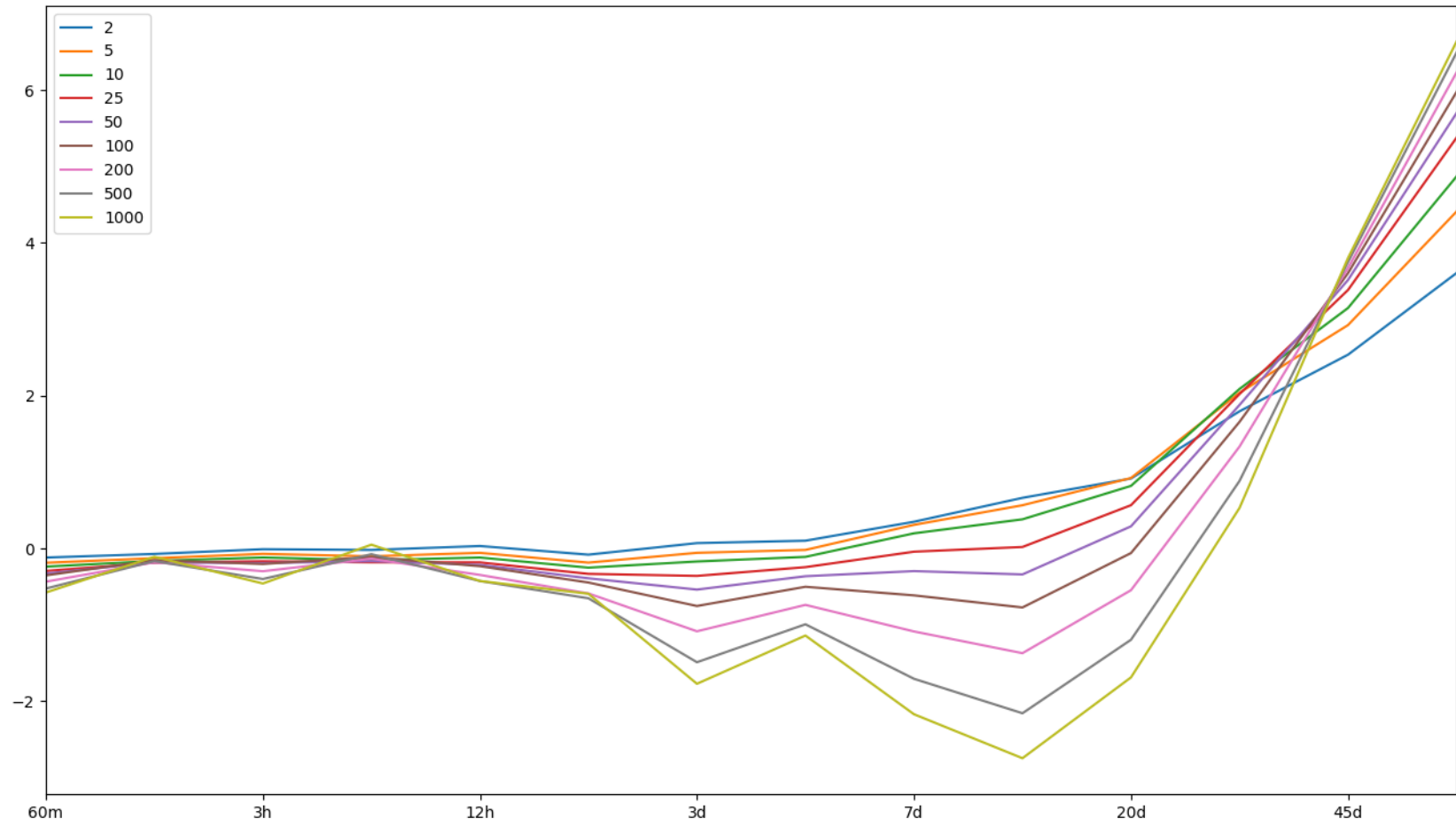
Comparison WRF - Atlas14 Differences Area-wide Mean
Upper Confidence Bound -- Dillingham



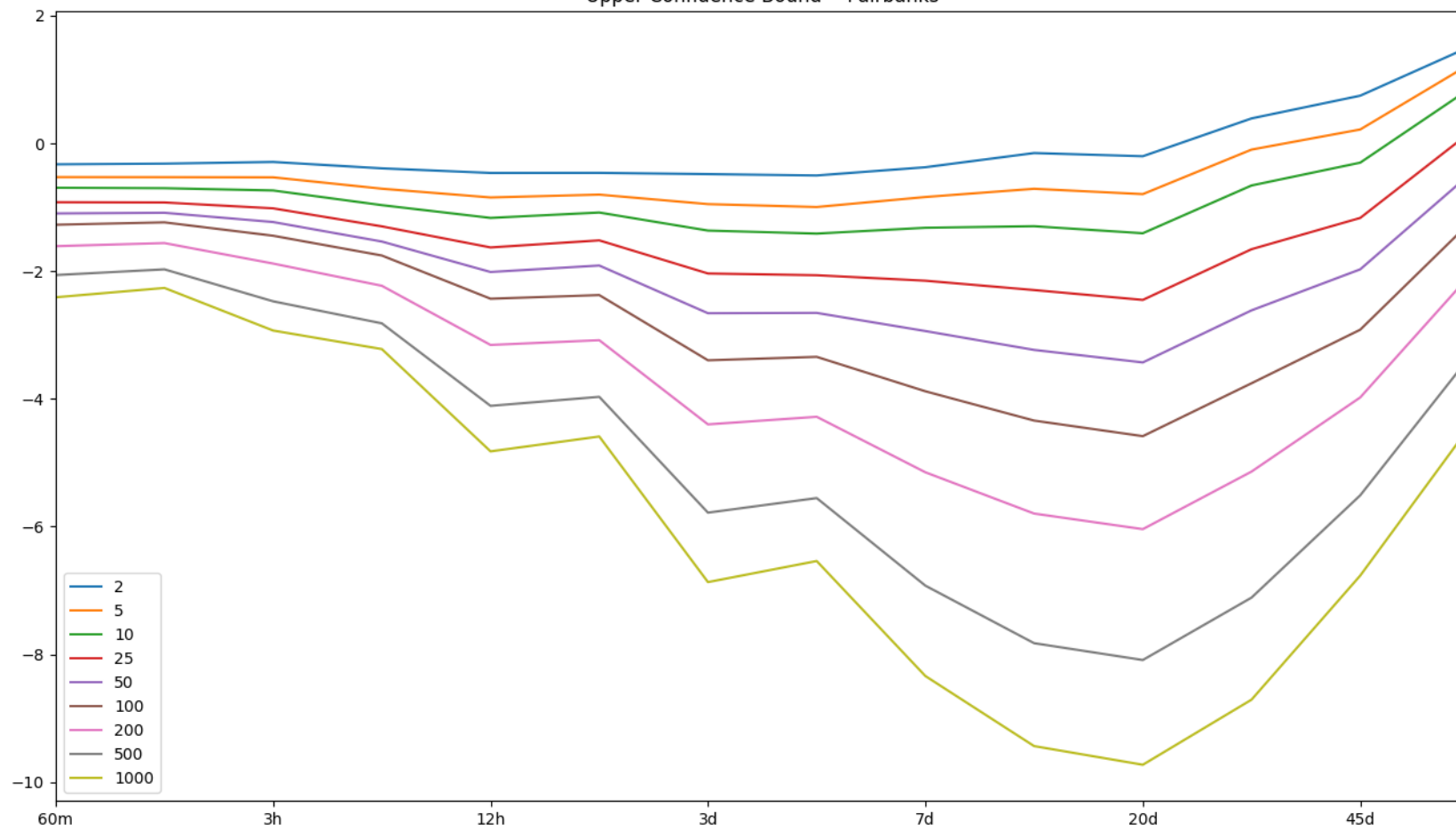
Comparison WRF - Atlas14 Differences Area-wide Mean
Precip Frequency -- Fairbanks



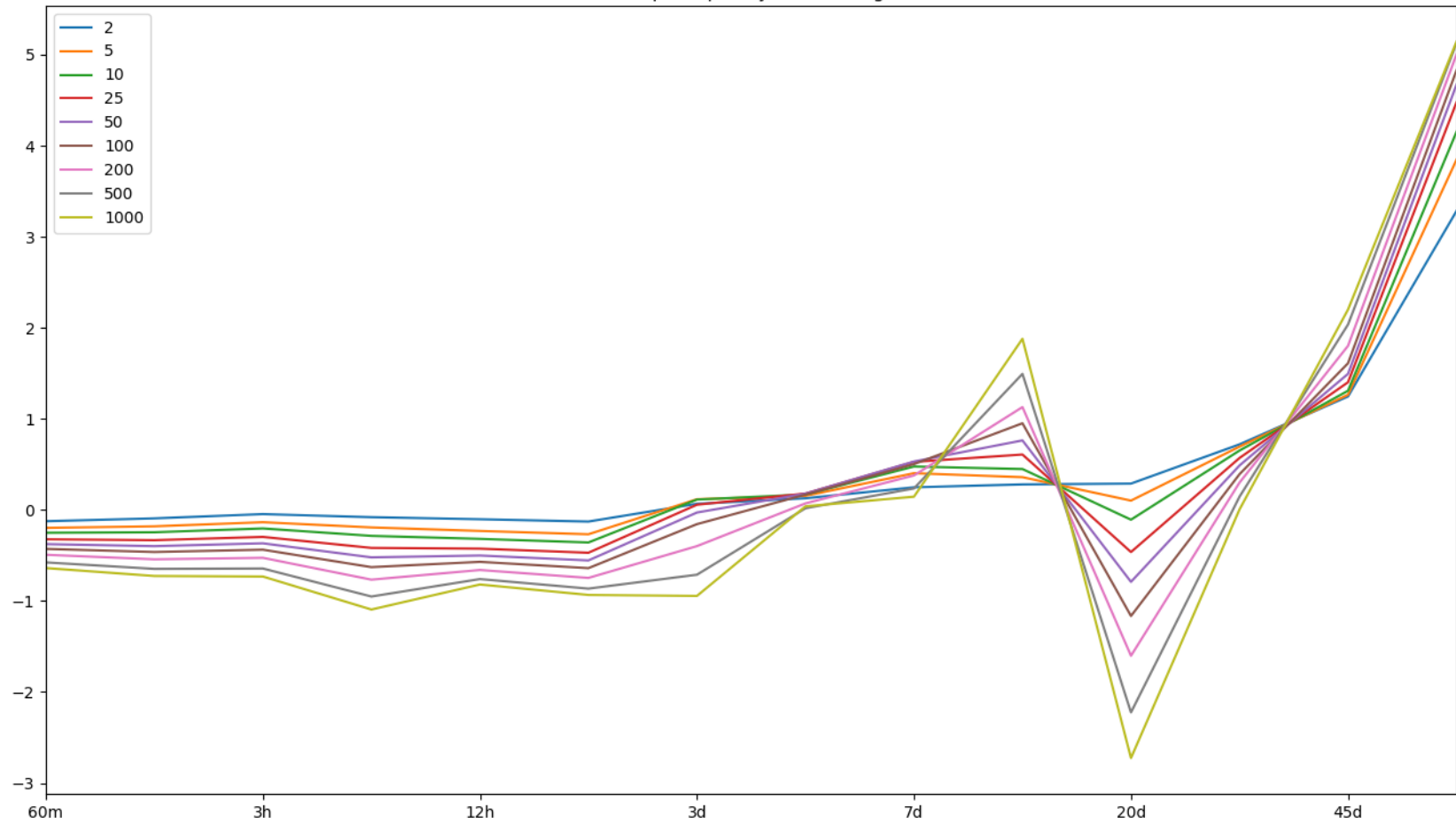
Comparison WRF - Atlas14 Differences Area-wide Mean
Lower Confidence Bound -- Fairbanks



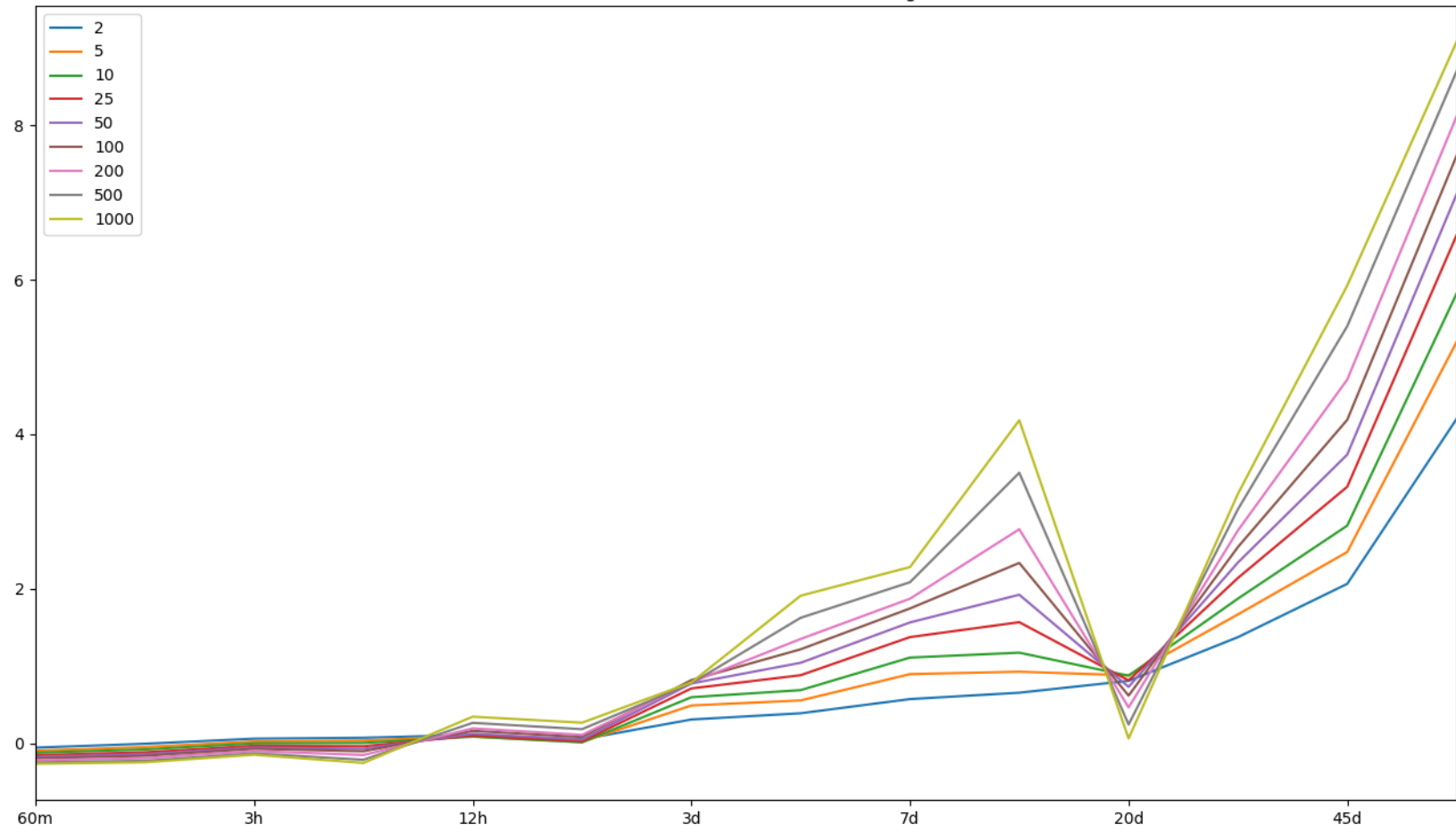
Comparison WRF - Atlas14 Differences Area-wide Mean
Upper Confidence Bound -- Fairbanks



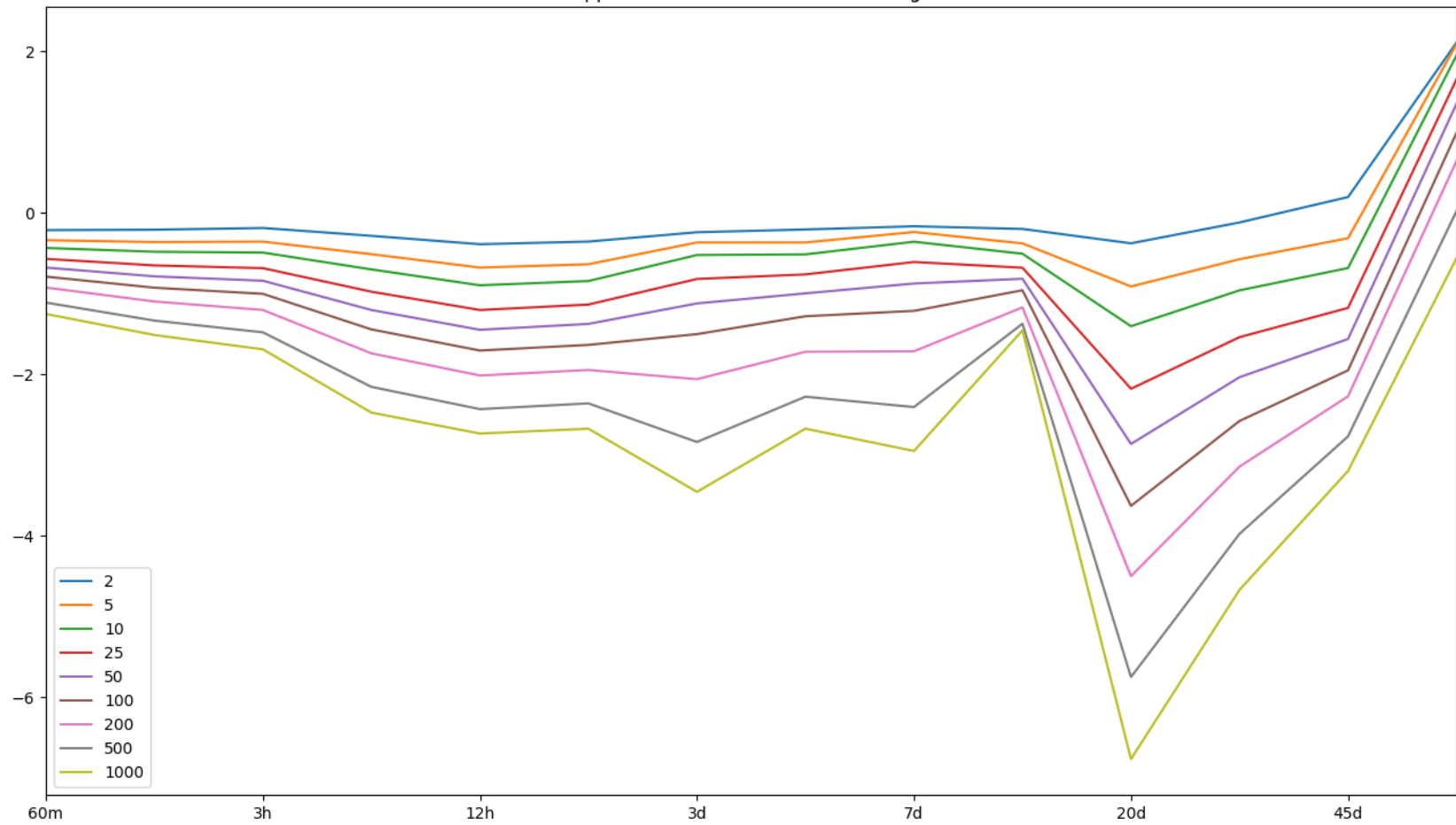
Comparison WRF - Atlas14 Differences Area-wide Mean
Precip Frequency -- Anchorage



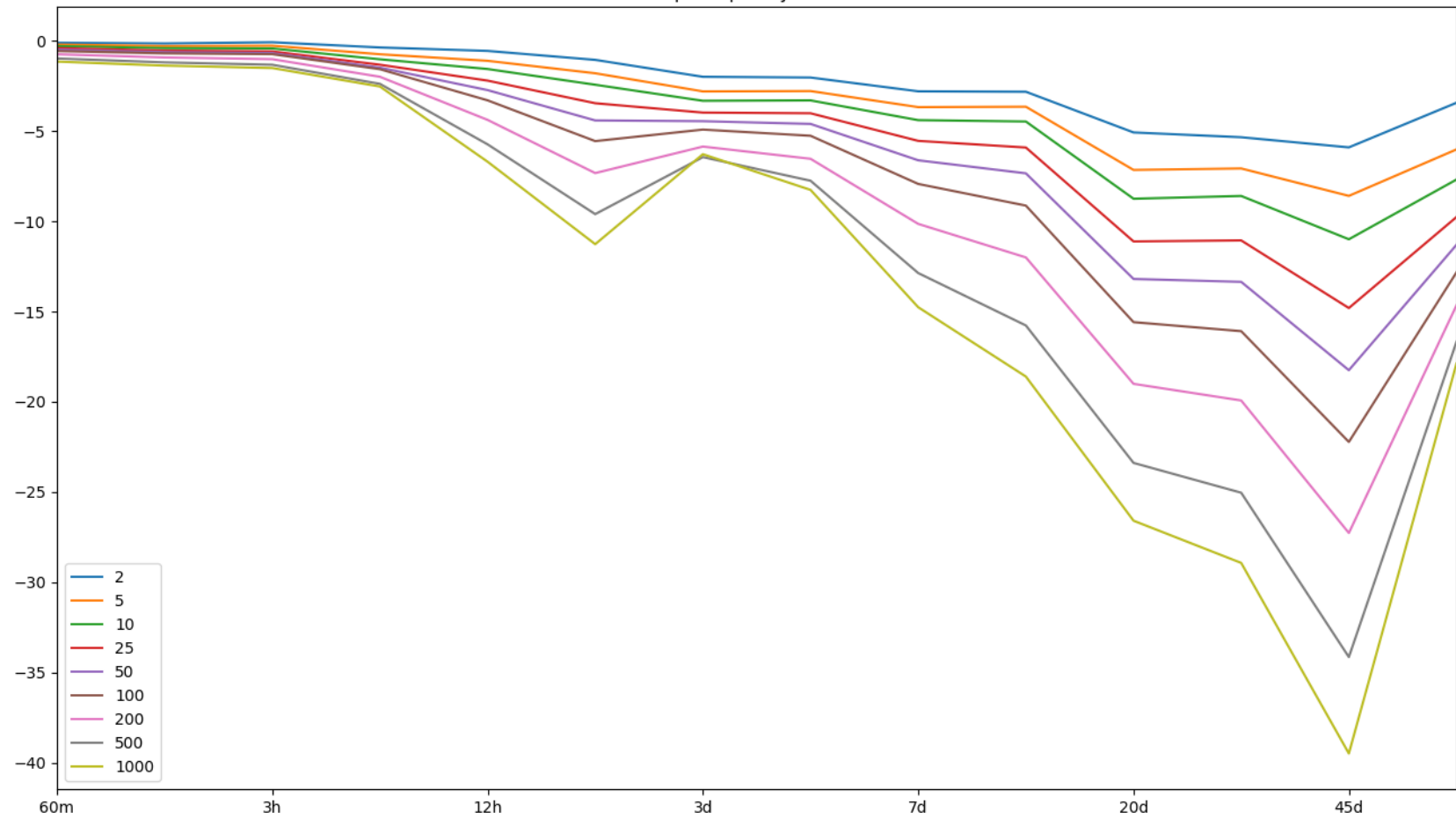
Comparison WRF - Atlas14 Differences Area-wide Mean
Lower Confidence Bound -- Anchorage



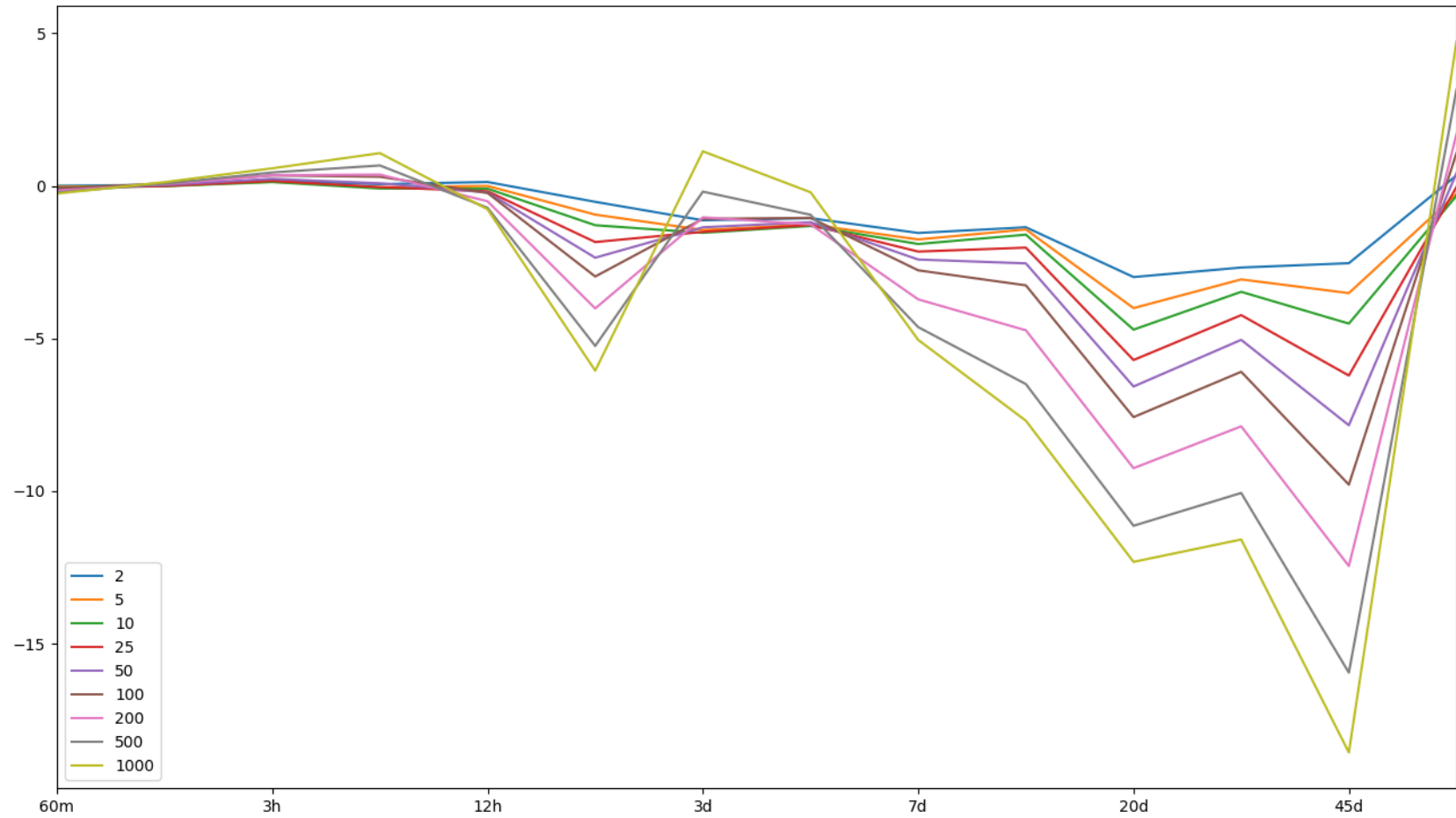
Comparison WRF - Atlas14 Differences Area-wide Mean
Upper Confidence Bound -- Anchorage



Comparison WRF - Atlas14 Differences Area-wide Mean
Precip Frequency -- Seward



Comparison WRF - Atlas14 Differences Area-wide Mean
Lower Confidence Bound -- Seward



Comparison WRF - Atlas14 Differences Area-wide Mean
Upper Confidence Bound -- Seward

