## NOAA data

**Mapper** 

Job 1

Emit (station\_id+period,<temp,prec>)

Reducer

Emit (station\_id+period, <avg. temp, total prec.>)

Job 2

Filter out data for reference year

**Mapper** 

Job 3

Emit (<station,year,month>,<period,temp,prec>)

Reducer

Emit (<year,month>,distance to reference year)

Mapper

Emit (<year,month>, distance>)

Reducer

Emit (<year,month>, sum(distance)>)

Job 4

Raw output