

Original dataset

## Initial QC

- Remove days with  
 $TMIN > TMAX \mid TMAX \geq 50 \mid TMAX \leq -30 \mid TMIN \leq -35 \mid TMIN \geq 40$
- Remove complete months with  
 $n < 3 \mid \text{standard deviation in TMAX or TMIN} == 0 \mid \Sigma TDIFF == 0$

RV calculation

## Deep QC

Independent process for TMAX and TMIN

Analysis between *observations* and *standardized predictions*:

- Correlation analysis
- Spatial anomalies
- Temporal anomalies
- Spatio-temporal anomalies

RV calculation

Iteration until no suspect cases

Cleaned dataset