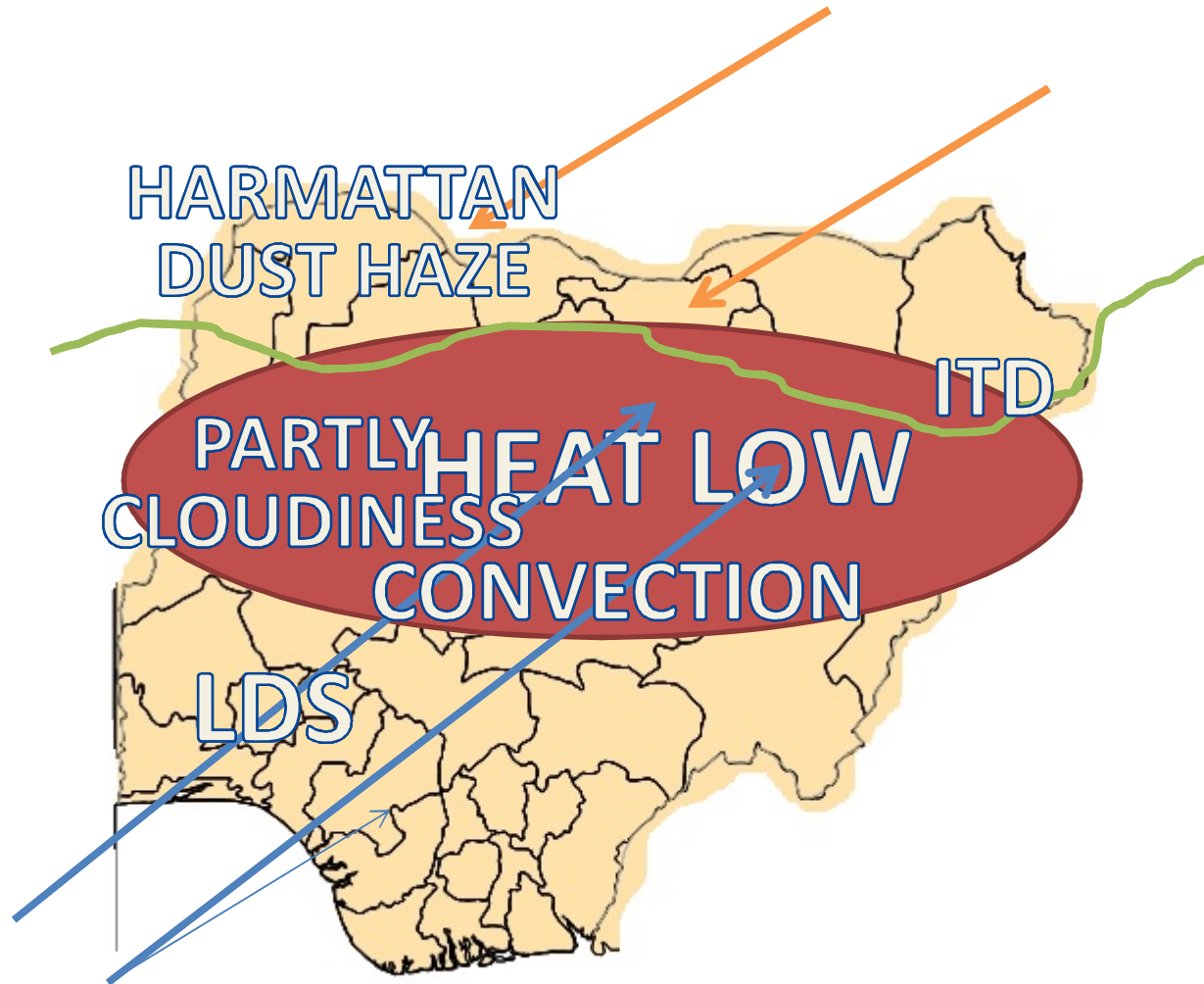


**DIAGNOSING RAINFALL  
CHARACTERISTIC OVER NIGERIA  
USING HIDDEN MARKOV MODEL**

GROUP NIGERIA

# INTRODUCTION

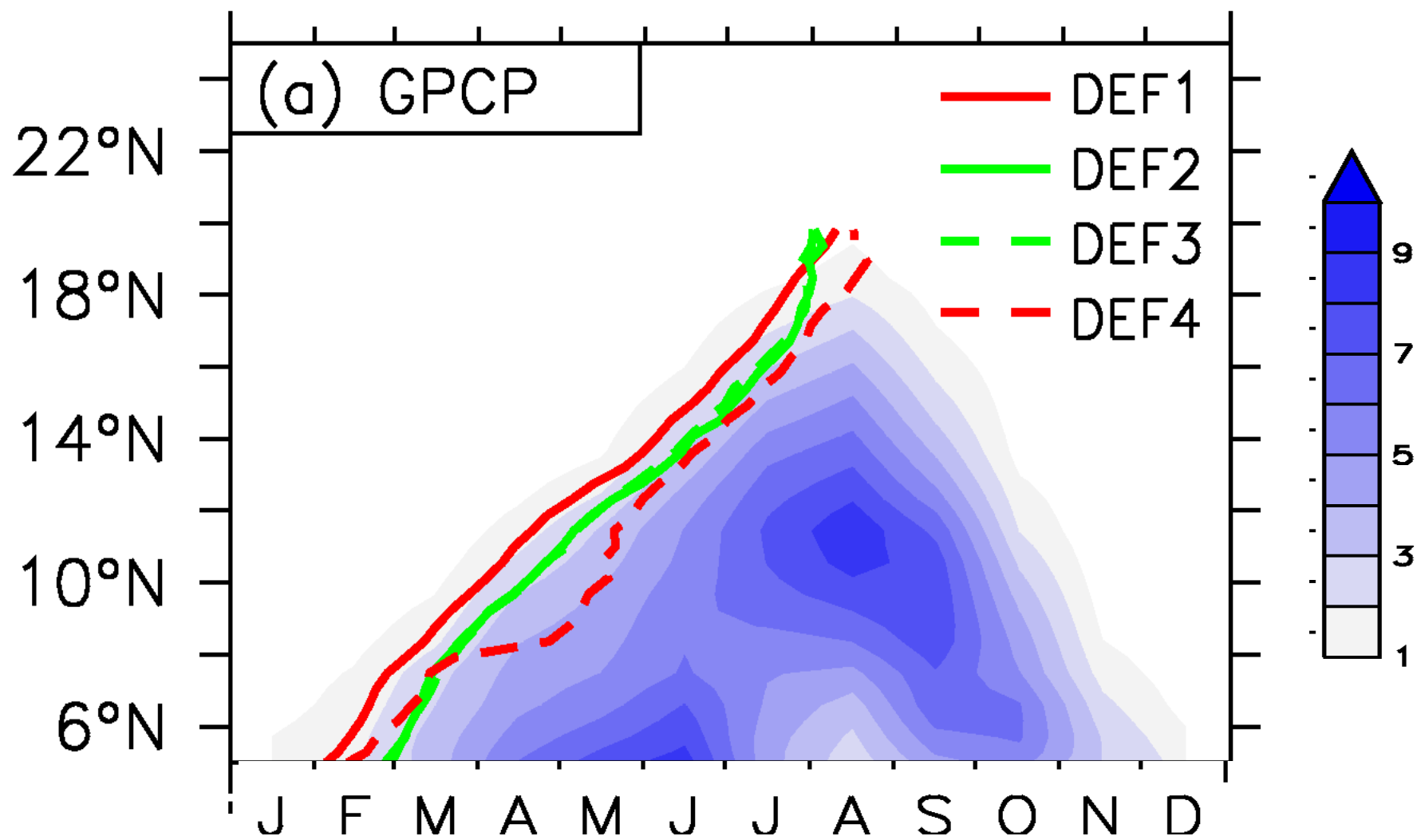


# METHODOLOGY

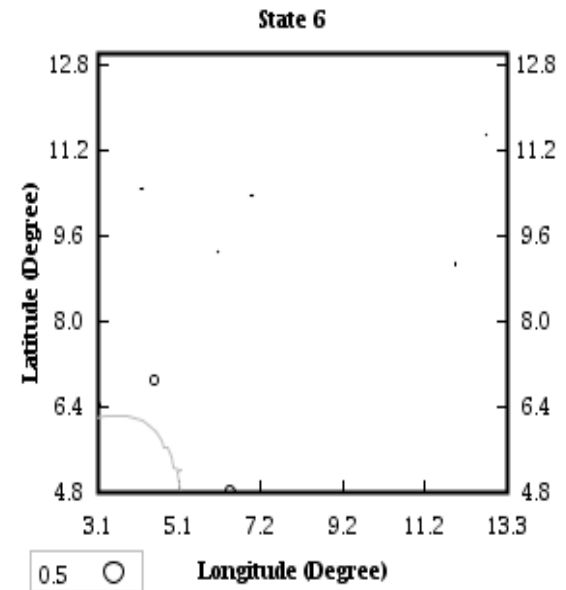
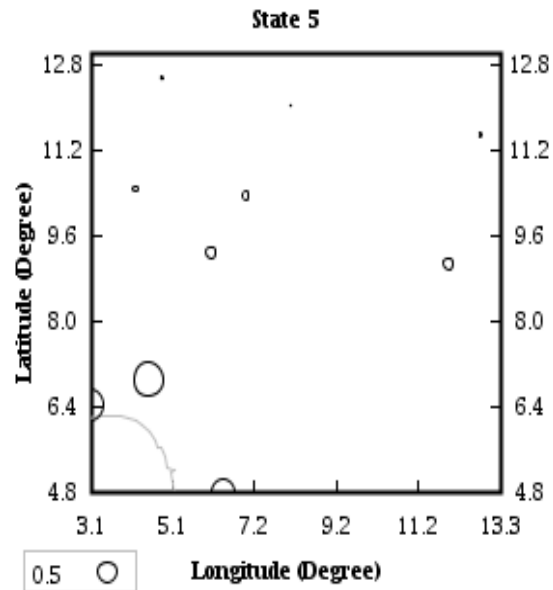
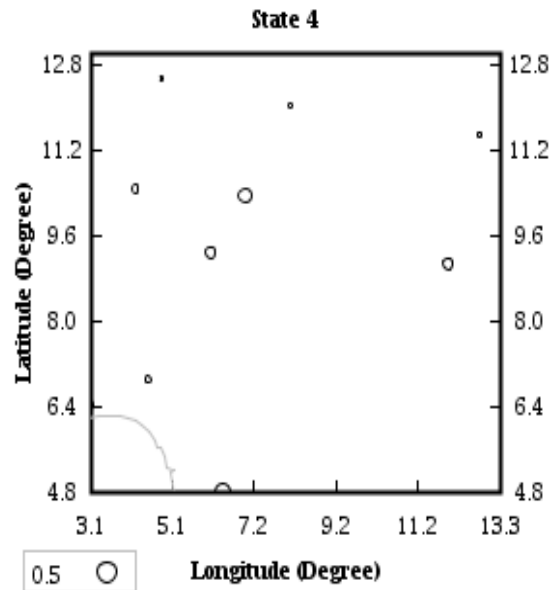
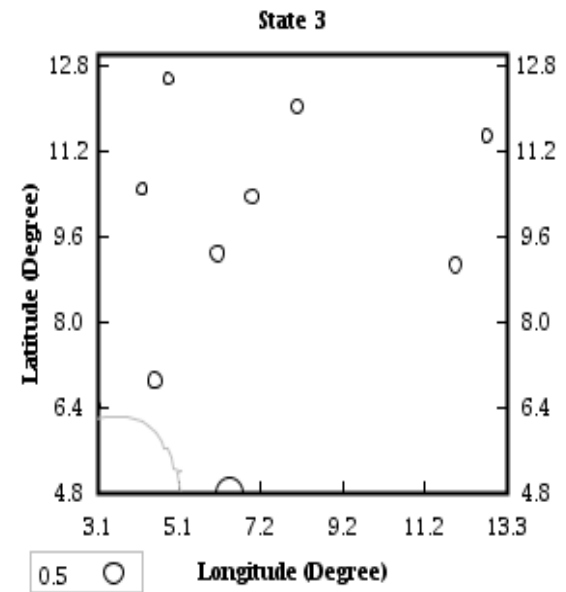
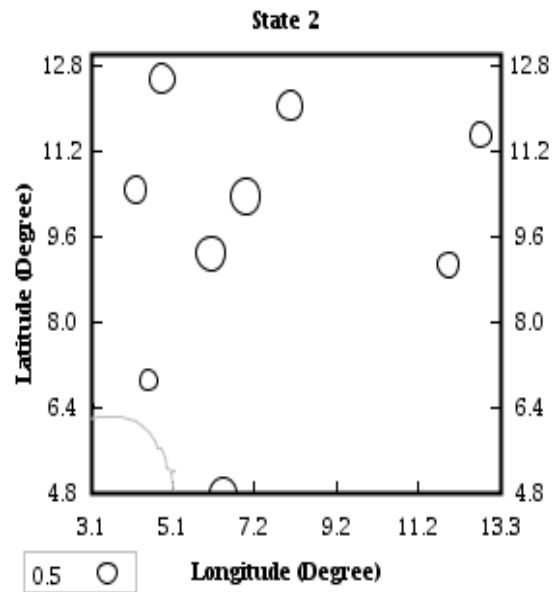
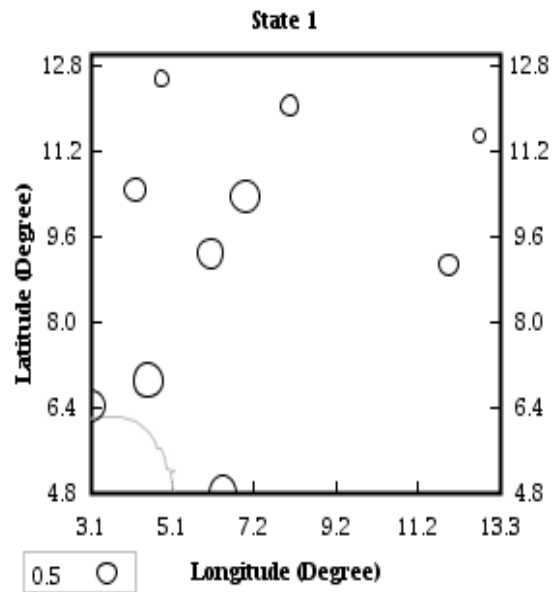
Daily Rainfall from 10 Station in Nigeria

HMTools was used to organise weather regimes in six states

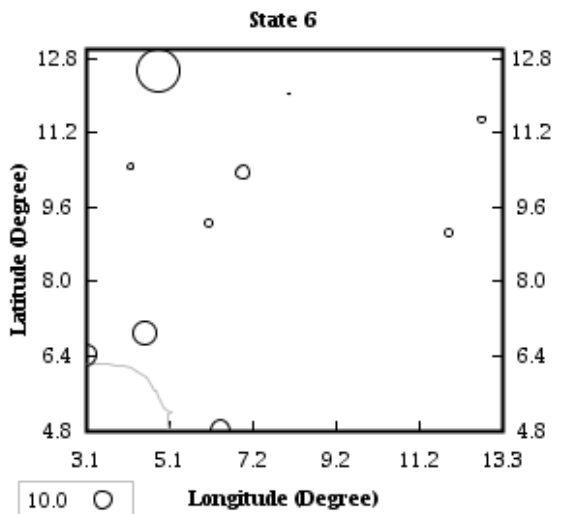
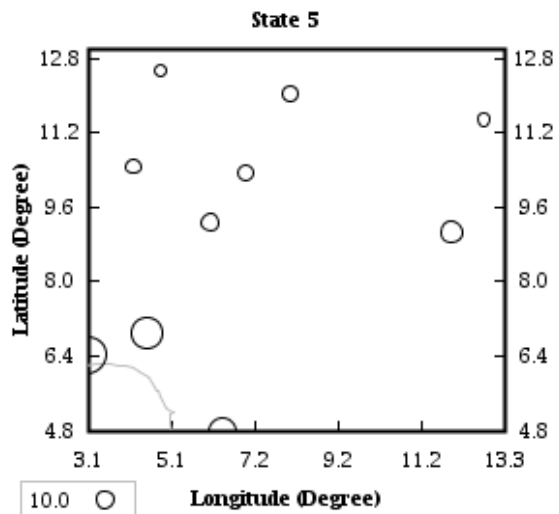
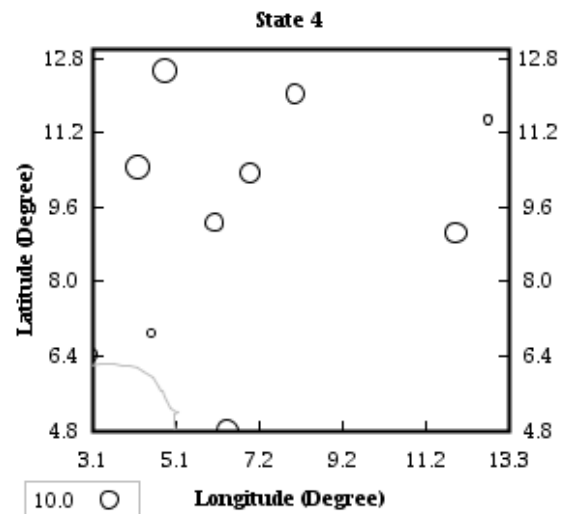
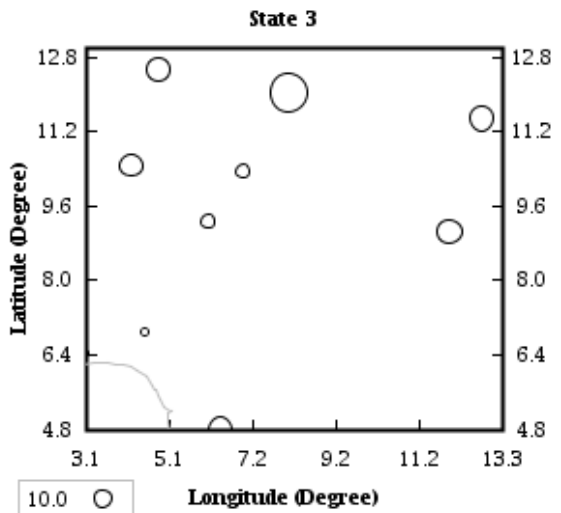
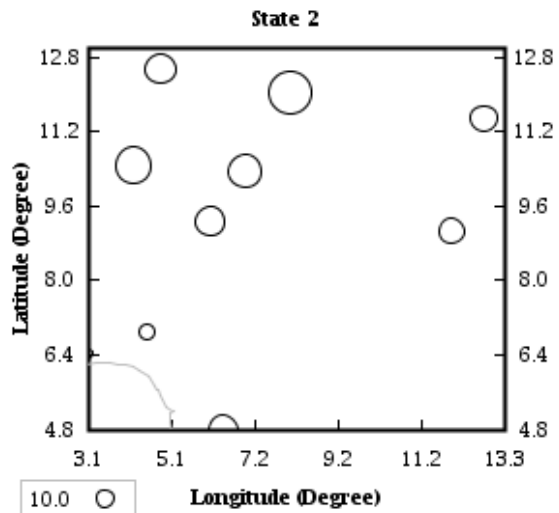
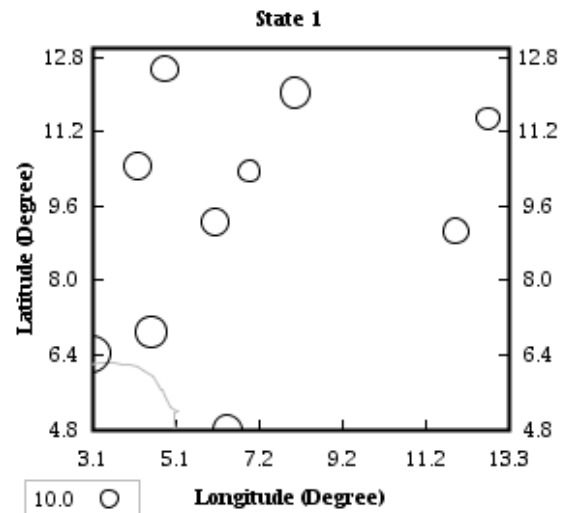
The regime was simulated using NCEP/NCAR Re-analysis of GHT at 500 hpa

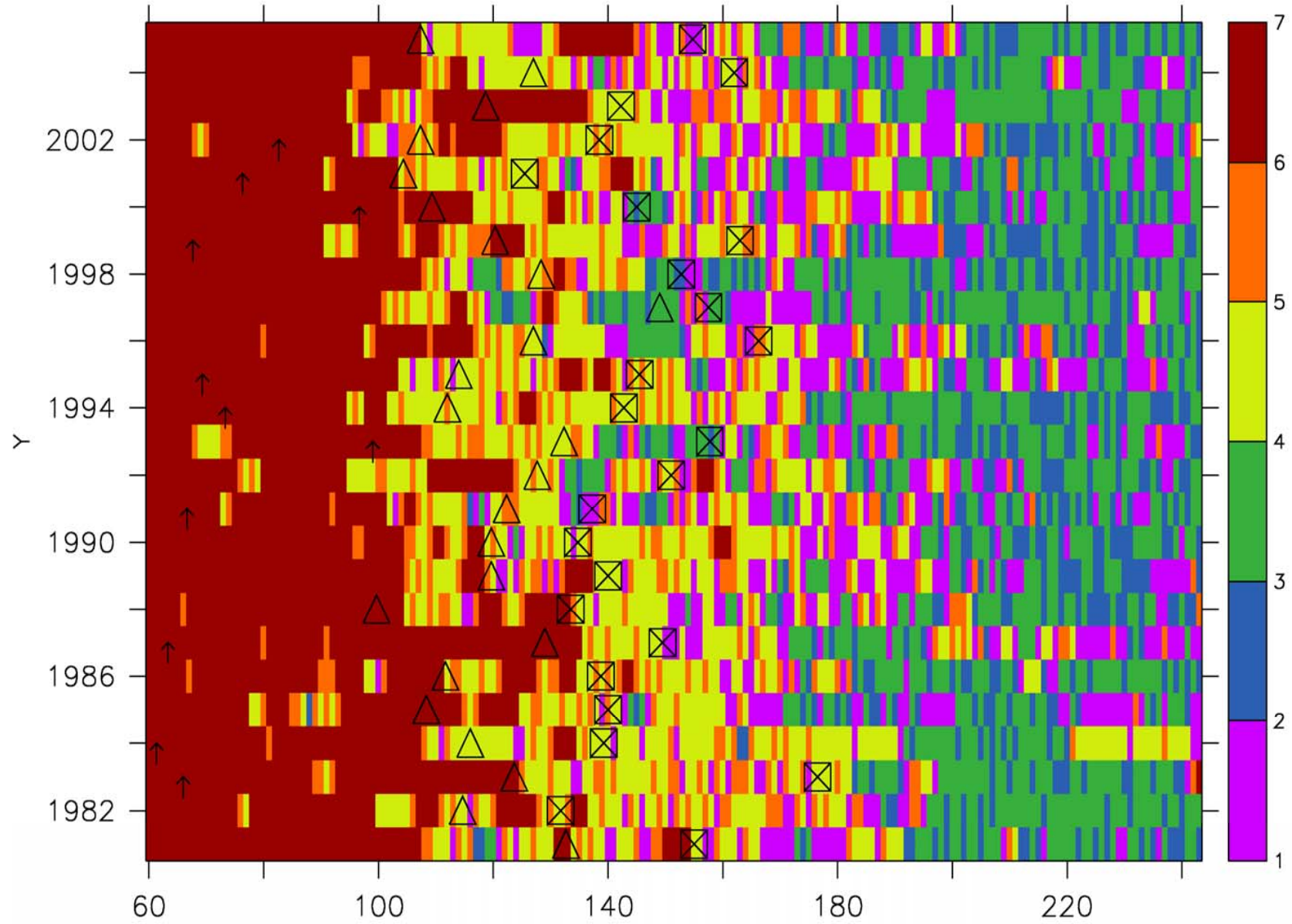


# Rainfall Probabilities

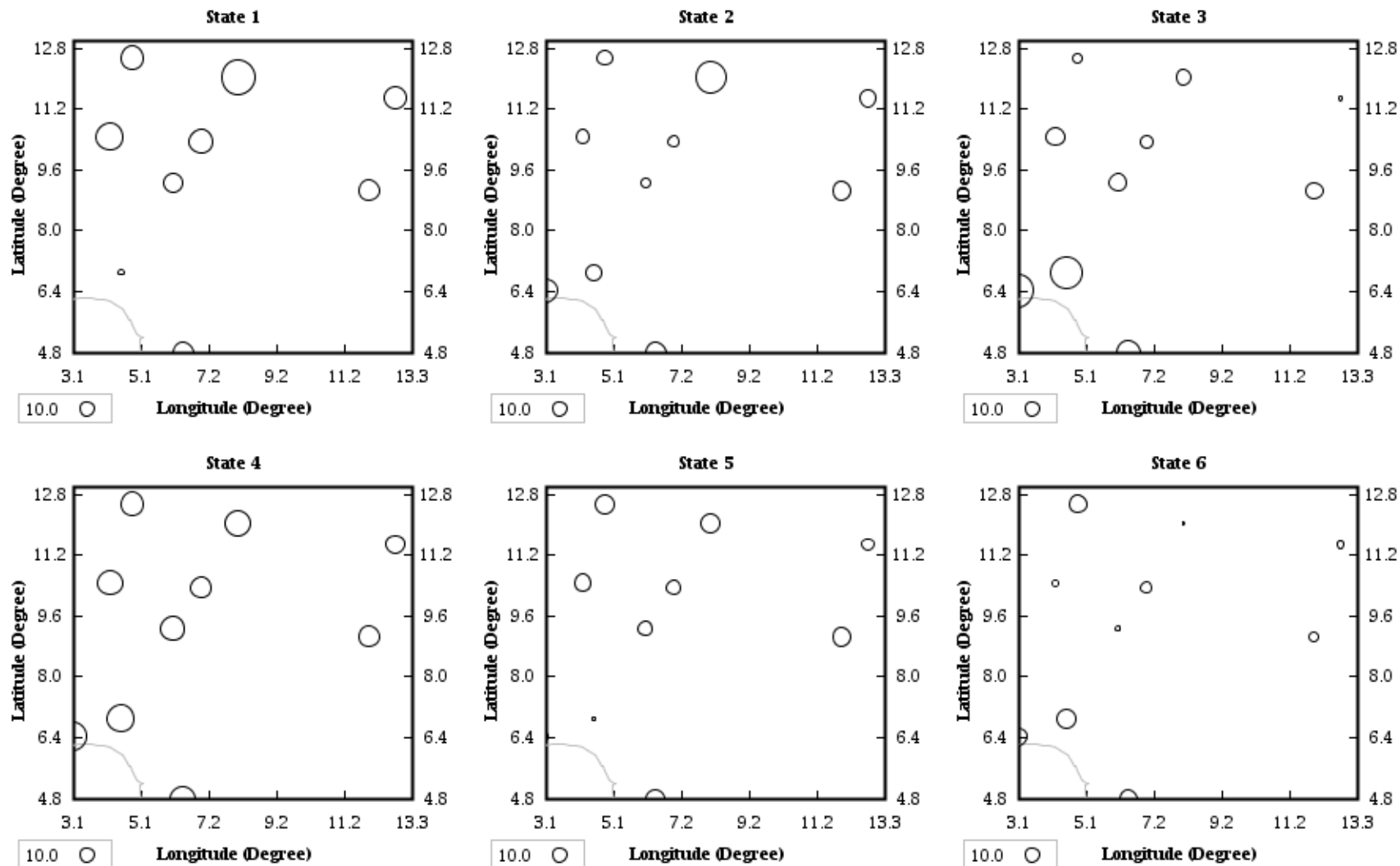


# Rainfall Amount (mm)



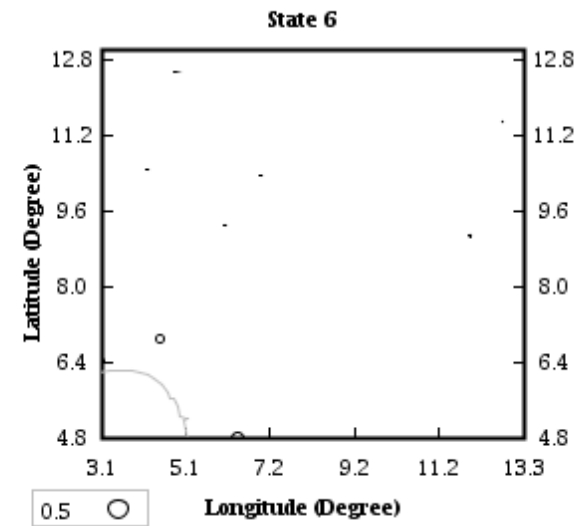
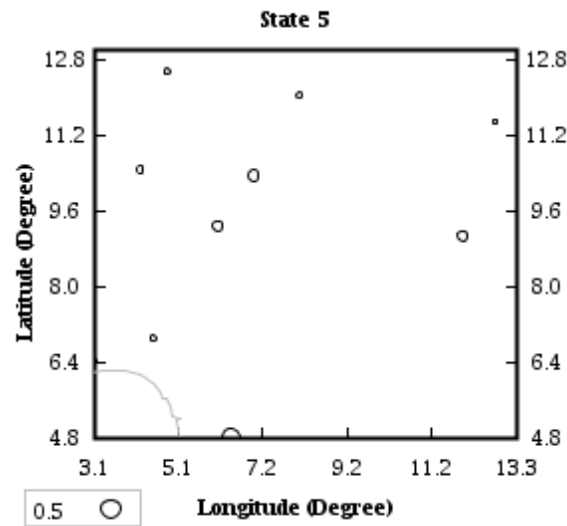
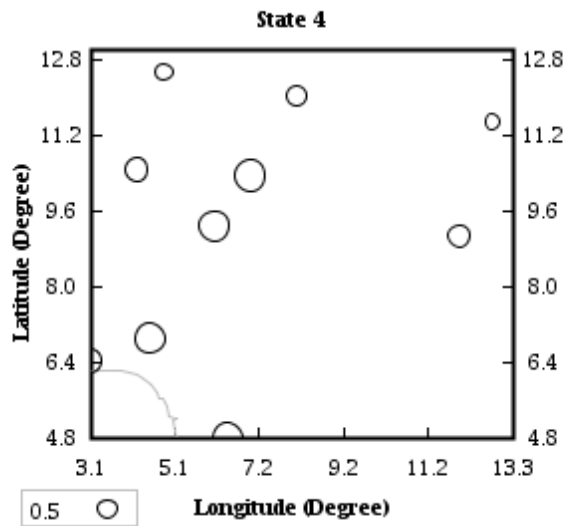
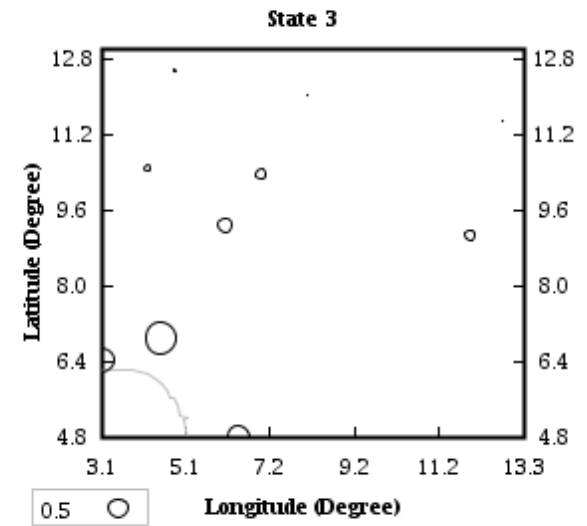
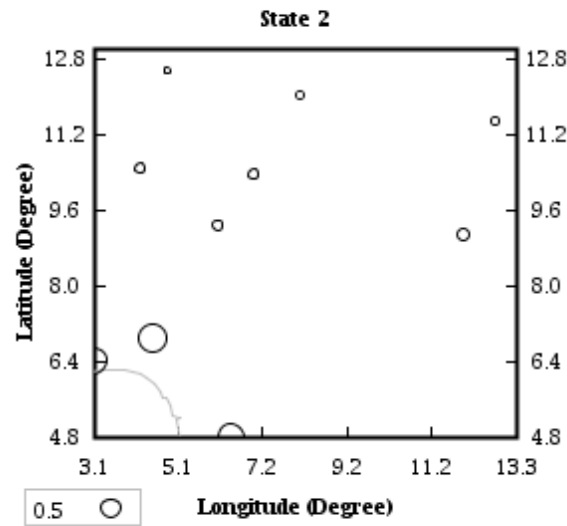
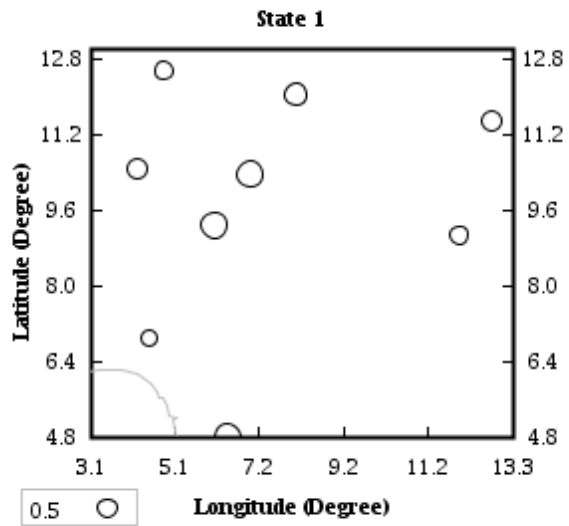


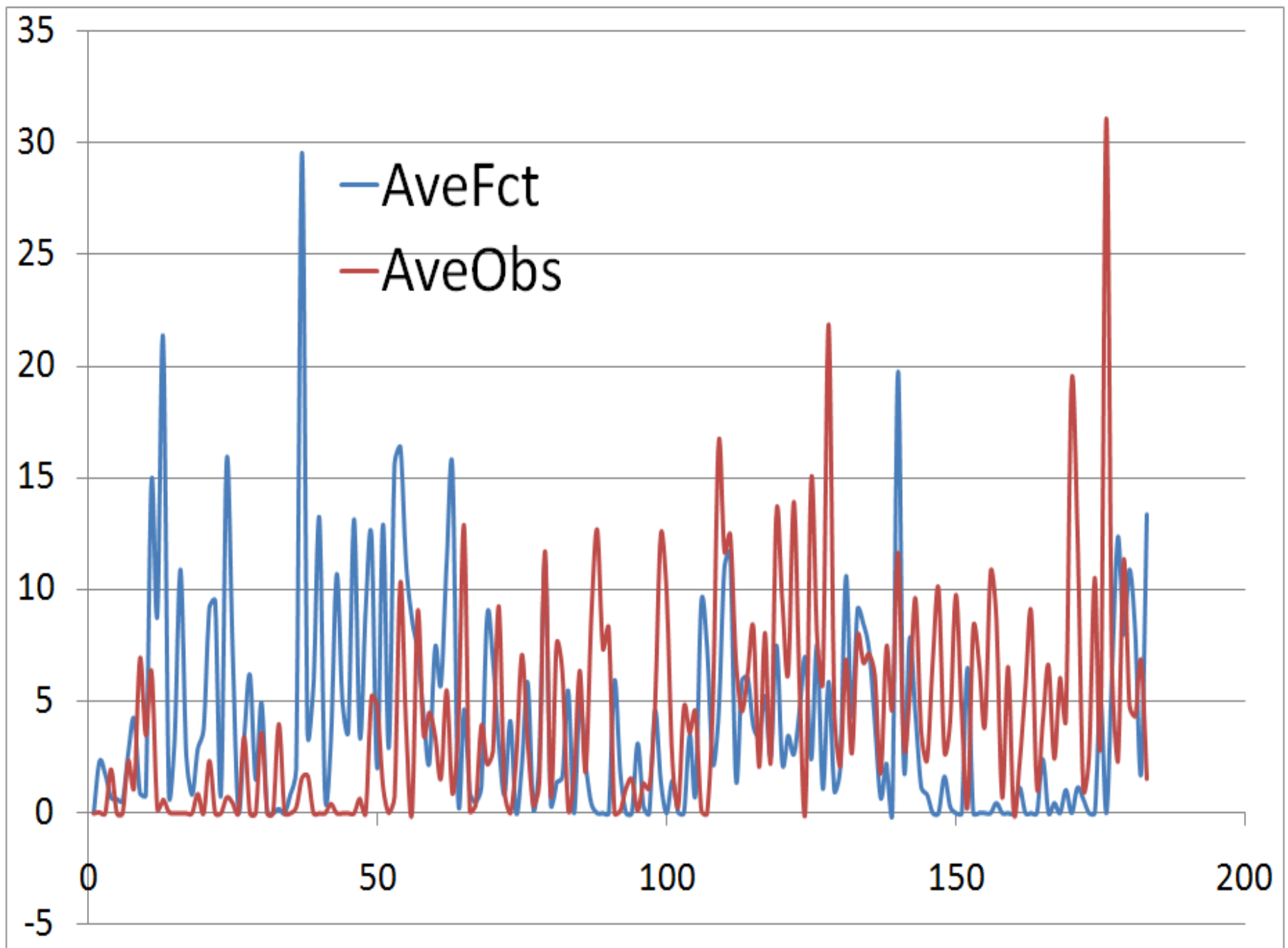
### Rainfall Amount (mm)

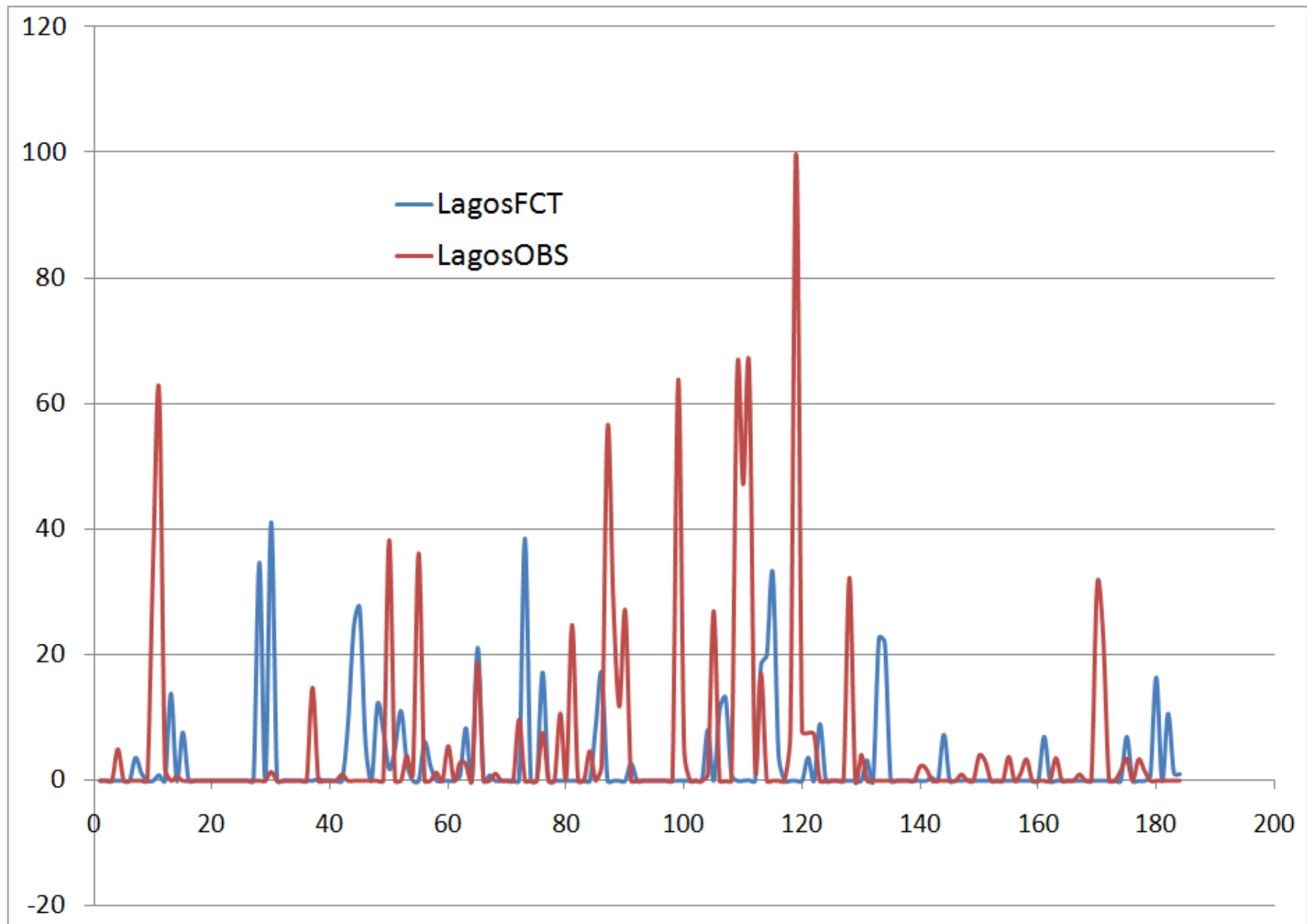




# Rainfall Probabilities







Thank You