

## Figure Captions

Figure 1. Precipitation for June-July 1993 in (a) gridded observations, (b) NCEP/NCAR reanalysis, (c) RCM composite, and (d) standard deviation of RCM composite.

Figure 2. Time series of daily evapotranspiration (mm) from each RCM.

Figure 3. Daily cycle of terms in 60-d water vapor conservation equation (1) in (a) group A and (b) group B. RCMs included in group A are DARLAM, EM, MM5-ANL, MM5-BATS, NCEP RSM, SweCLIM-ECMWF, SweCLIM-NCEP, RegCM2, and Scripps RSM and in group B are ClimRAMS, CRCM, HIRHAM, PROMES.

Figure 4. Daily cycle of 60-d convective and stable precipitation in (a) group A and (b) group B. Members of group A and group B are listed in the caption for Figure 3.

Figure 5. Daily cycle of 60-d water vapor influx and efflux in (a) group A and (b) group B. Members of group A and group B are listed in the caption for Figure 3.

Figure 6. Daily cycle of 60-d precipitation in station reports.

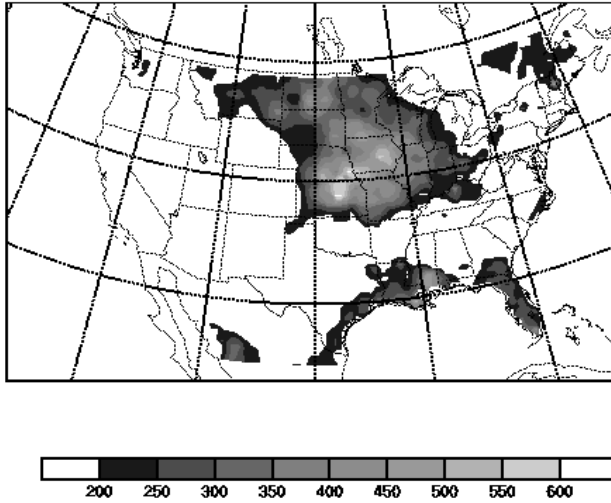
Figure 7. Frequency of 3-h precipitation totals expressed as cumulative fraction of 60-d accumulated precipitation.

Figure 8. Daily cycle of accumulated precipitation for high (12.70-101.60 mm), moderate (7.62-10.16 mm), and low (2.54-5.08 mm) 3-h precipitation totals in station reports.

Figure 9. Daily cycle of accumulated precipitation for high (12.70-101.60 mm), moderate (7.62-10.16 mm), and low (2.54-5.08 mm) 3-h precipitation totals in (a) group A and (b) group B. Members of group A and group B are listed in the caption for Figure 3.

**(a)**

**June-July 1993 observed precipitation (mm)**



**(b)**

**June-July 1993 Reanalysis precipitation (mm)**

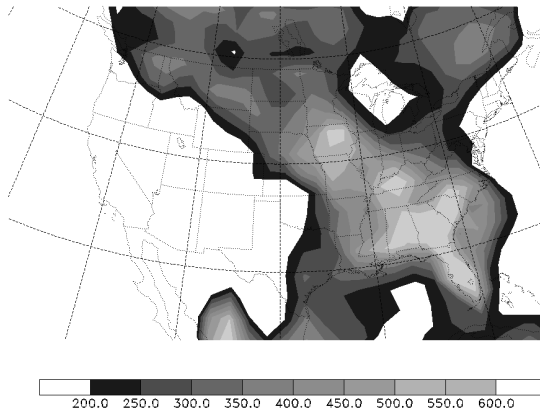
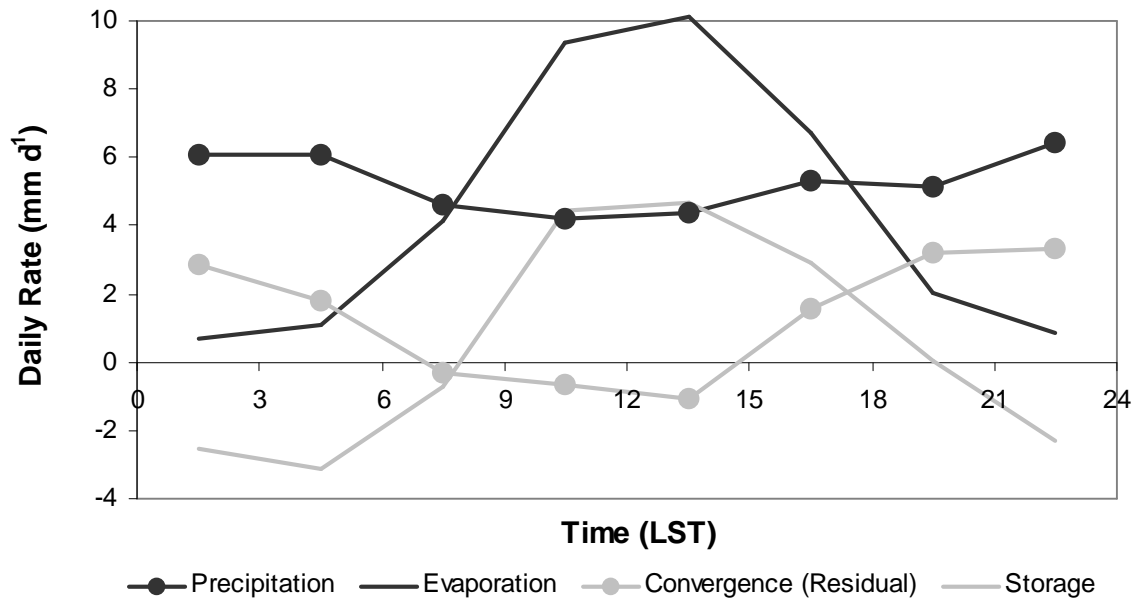


Figure 1. Precipitation for June-July 1993 in (a) gridded observations. (b) NCEP/NCAR reanalysis, (c) RCM composite, and (d) standard deviation of RCM composite.

(a)



(b)

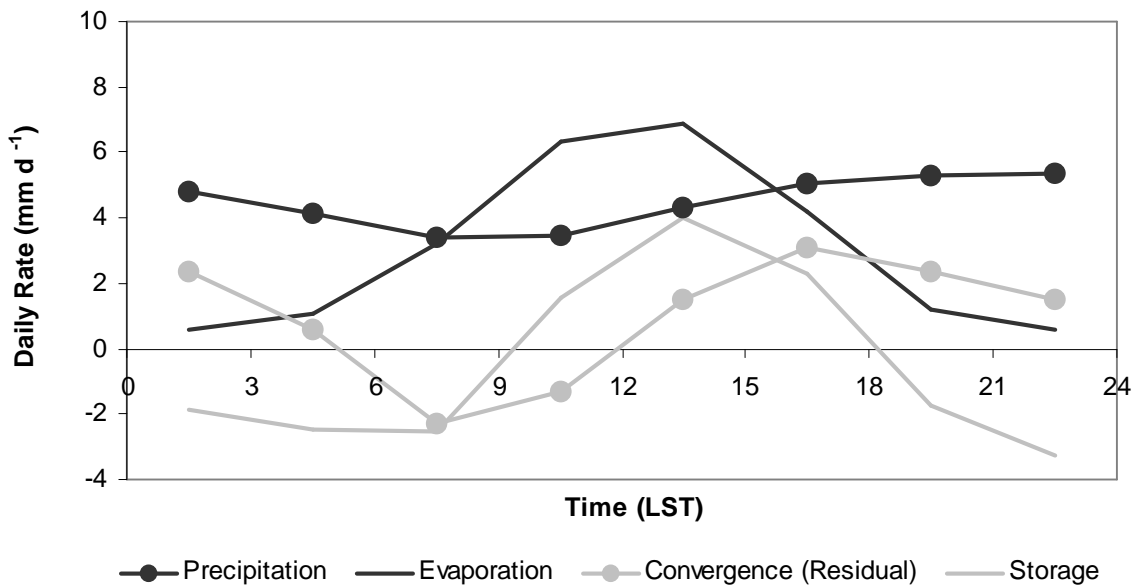
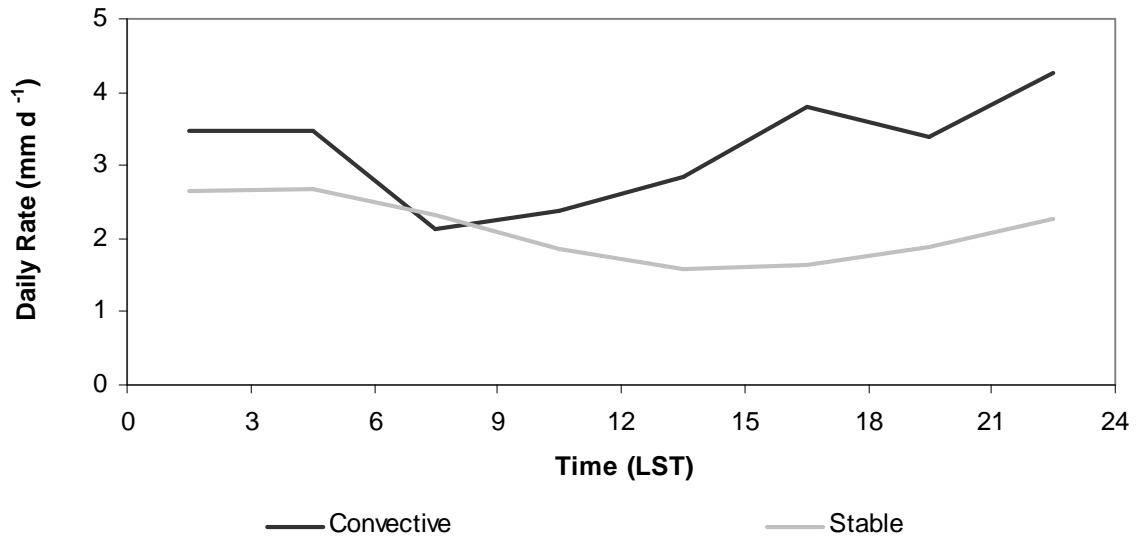


Figure 3. Daily cycle of terms in 60-d water vapor conservation equation (1) in (a) group A and (b) group B. RCMs included in group A are DARLAM, EM, MM5-ANL, MM5-BATS, NCEP RSM, RegCM2, Scripps RSM, SweCLIM-ECMWF, and SweCLIM-NCEP and in group B are ClimRAMS, CRCM, HIRHAM, PROMES.

(a)



(b)

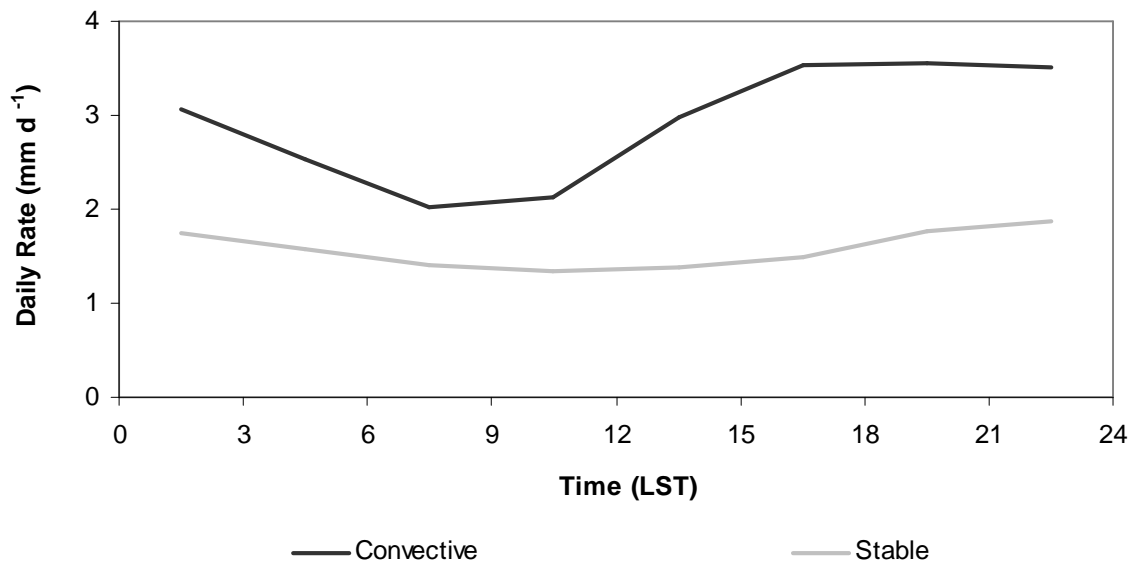
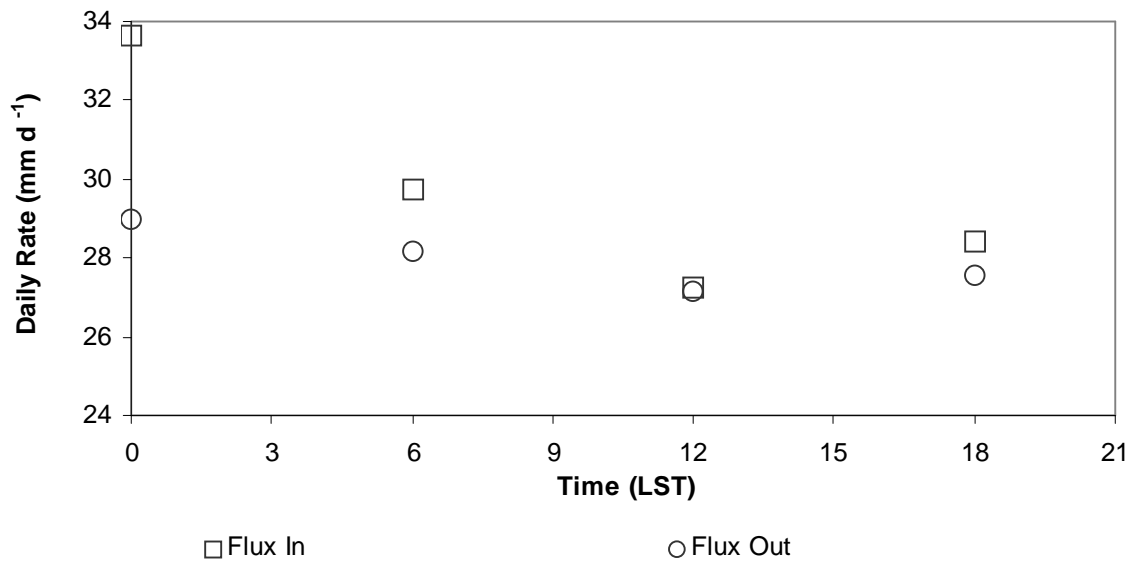


Figure 4. Daily cycle of 60-d convective and stable precipitation in (a) group A and group B. Members of group A and group B are listed in the caption of Figure 3.

**(a)**



**(b)**

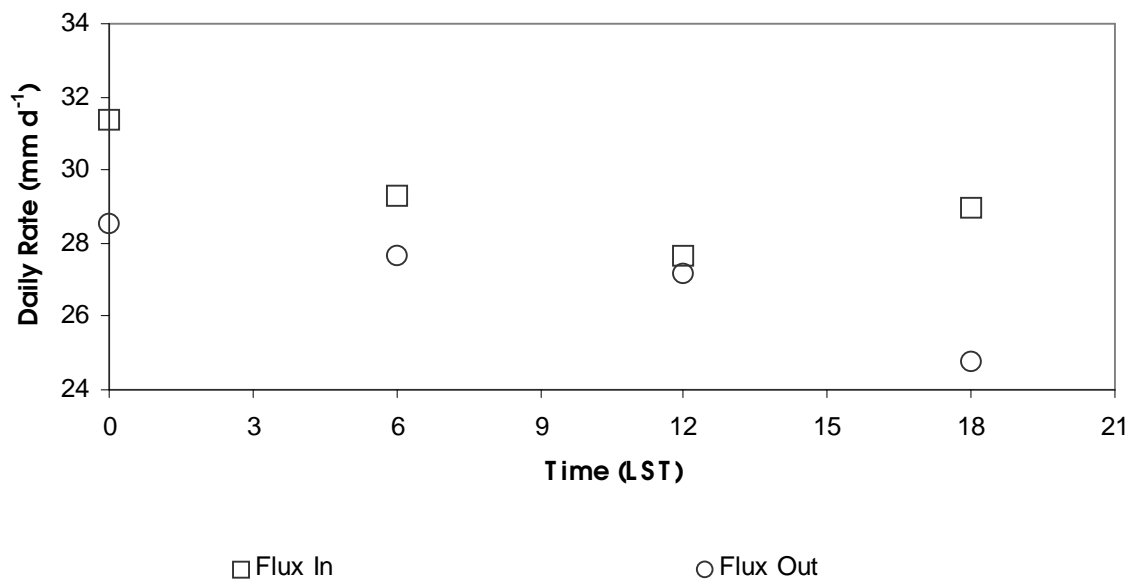


Figure 5. Daily cycle of 60-d water vapor influx and efflux in (a) group A and (b) group B. Members of group A and group B are listed in the caption of Figure 3.

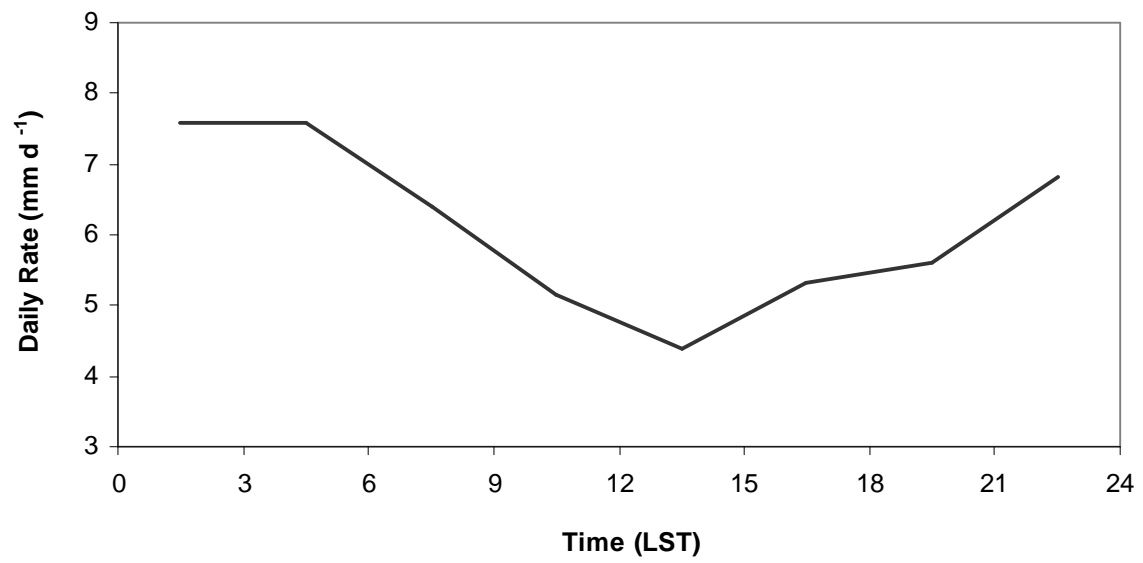


Figure 6. Daily cycle of 60-d precipitation in station reports.

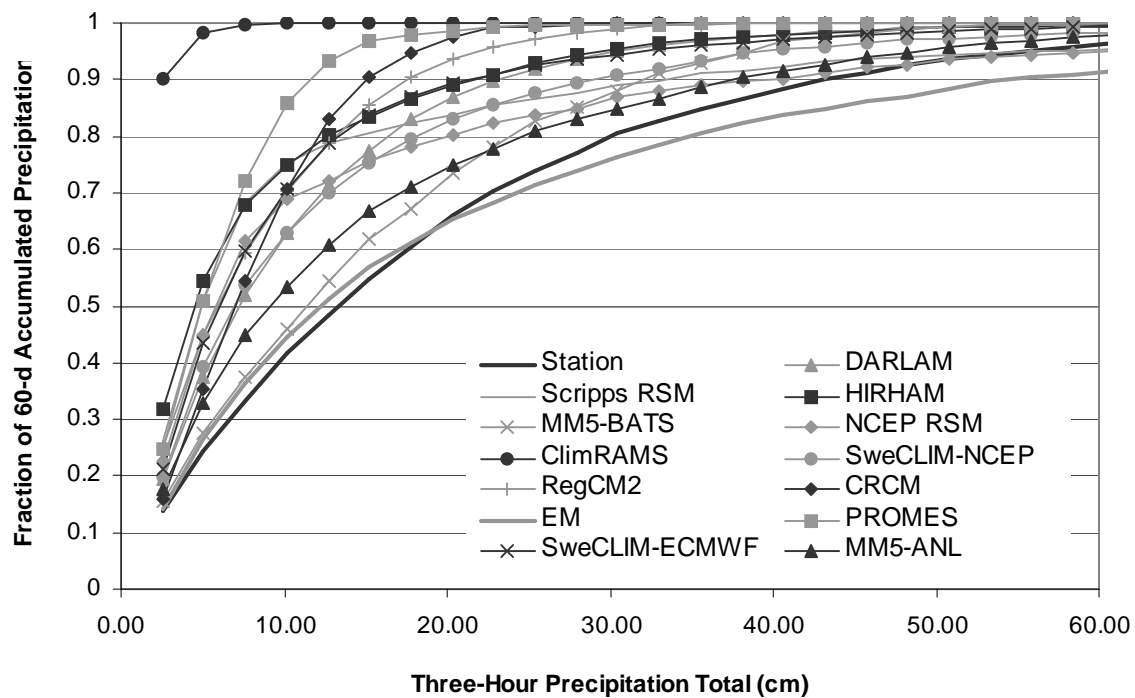


Figure 7. Frequency of 3-h precipitation totals expressed as cumulative fraction of 60-d accumulated precipitation.

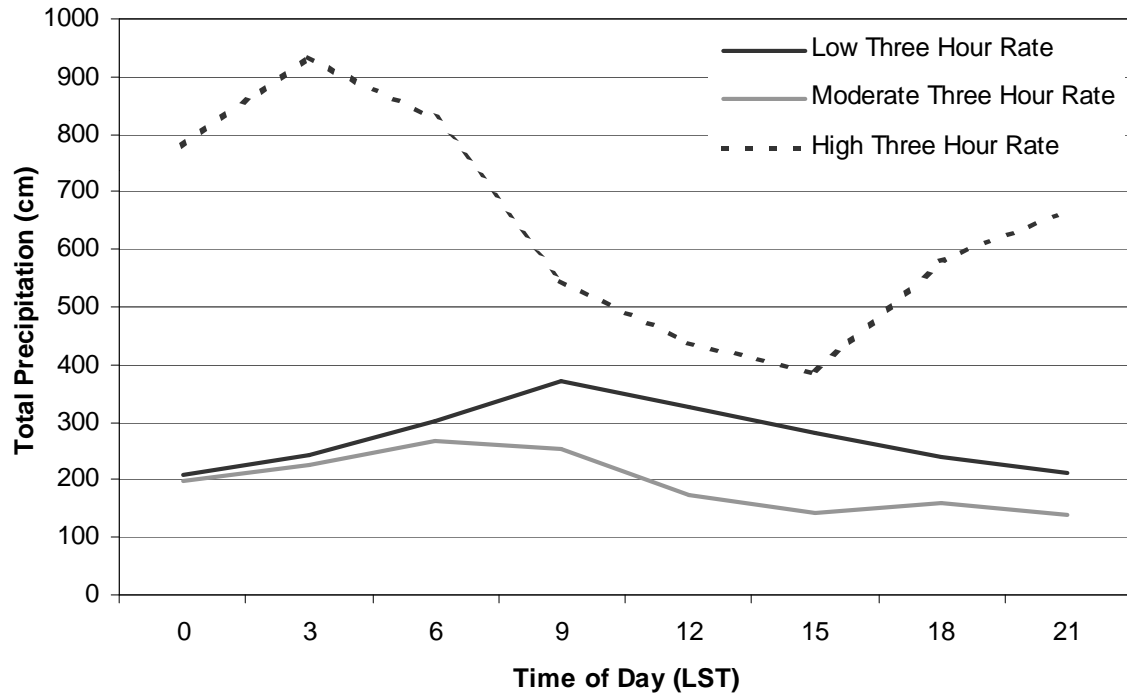
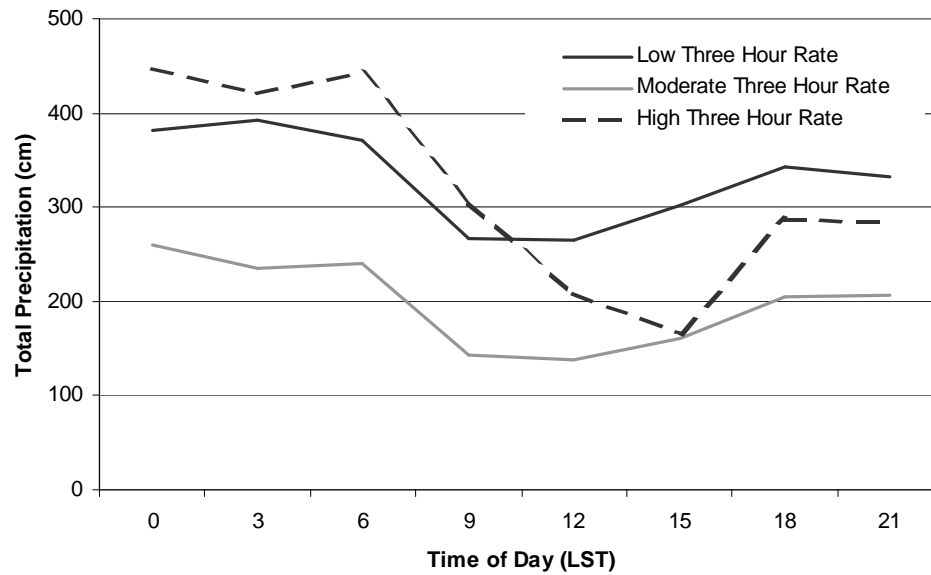


Figure 8. Daily cycle of accumulated precipitation for high (12.70-101.60 mm), moderate (7.62-10.16 mm), and low (2.54-5.08 mm) 3-h precipitation totals in station reports.



(a)



(b)

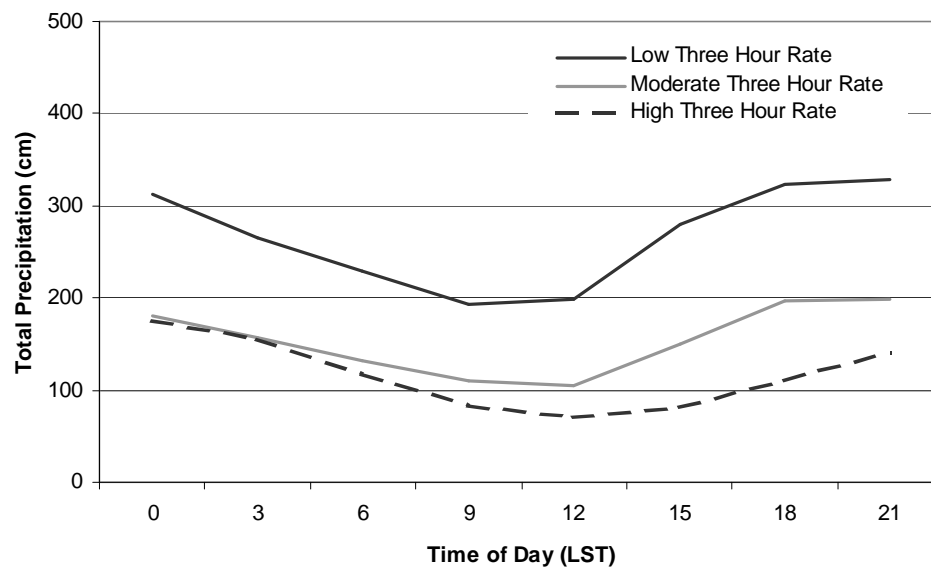


Figure 9. Daily cycle of accumulated precipitation for high (12.70-101.60 mm), moderate (7.62-10.16 mm), and low (2.54-5.08 mm) 3-h precipitation totals in (a) group A and (b) group B. Members of group A and group B are listed in the caption for Figure 1.

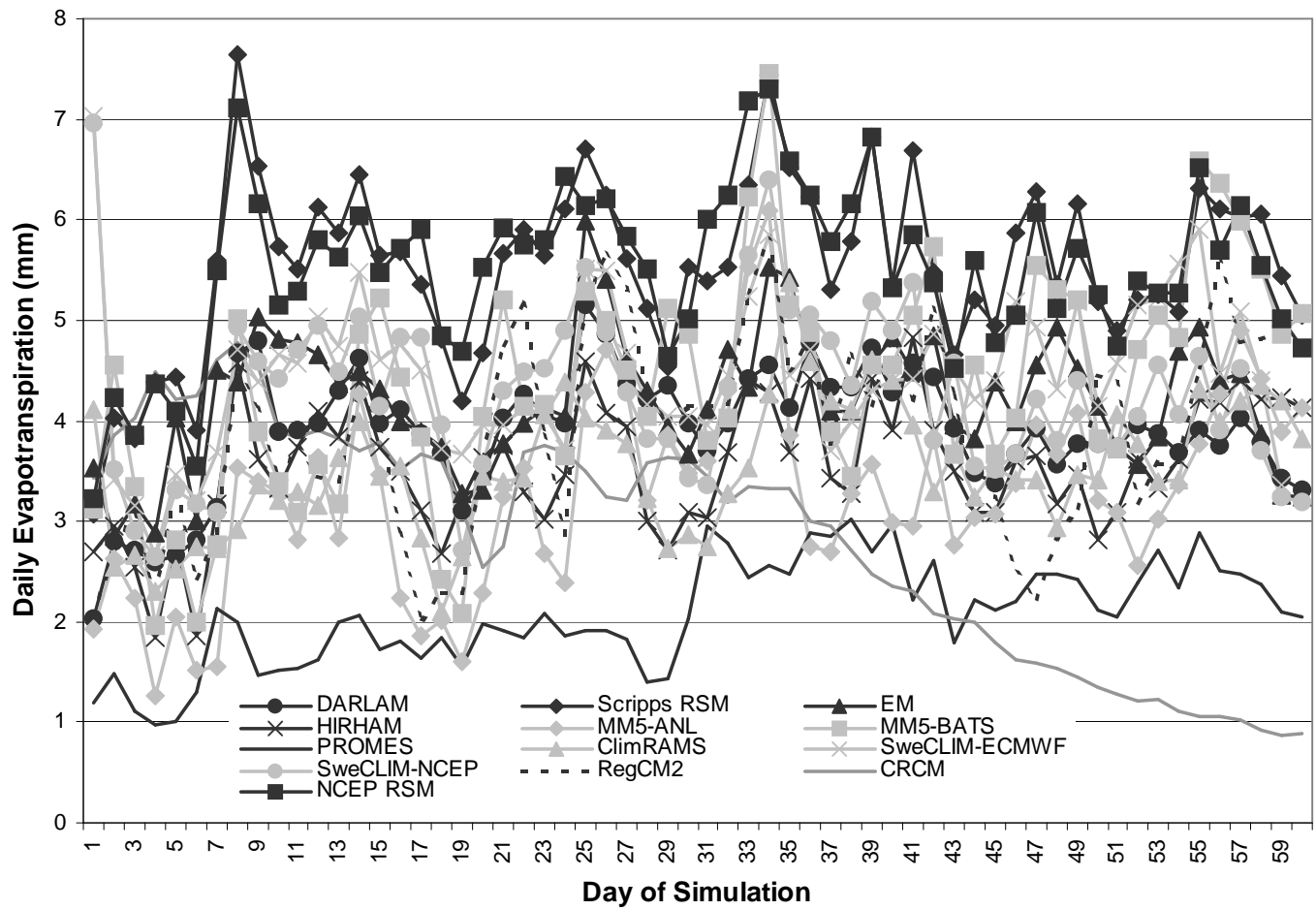
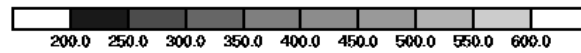
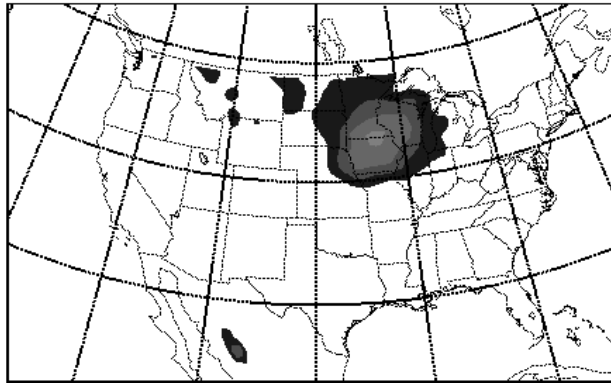


Figure 2. Time series of daily evapotranspiration (mm) from each RCM.

(c)

June-July 1993 RCM composite precipitation (mm)



(d)

June-July 1993 RCM composite precipitation (mm)  
standard deviation

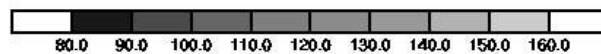
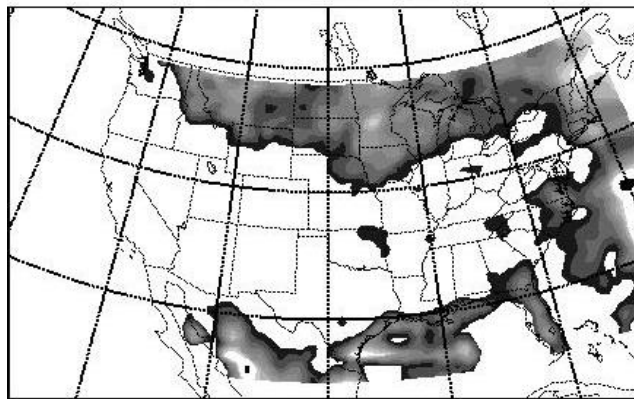


Figure 1. Precipitation for June-July 1993 in (a) gridded observations. (b) NCEP/NCAR reanalysis, (c) RCM composite, and (d) standard deviation of RCM composite.