

## Figure Captions

Figure 1. Precipitation for June-July 1993 in (a) gridded observations and (b) RCM composite.

Figure 2. 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 3. 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 1.

Figure 4. 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 1.

Figure 5. Daily cycle of 60-d precipitation in station reports.

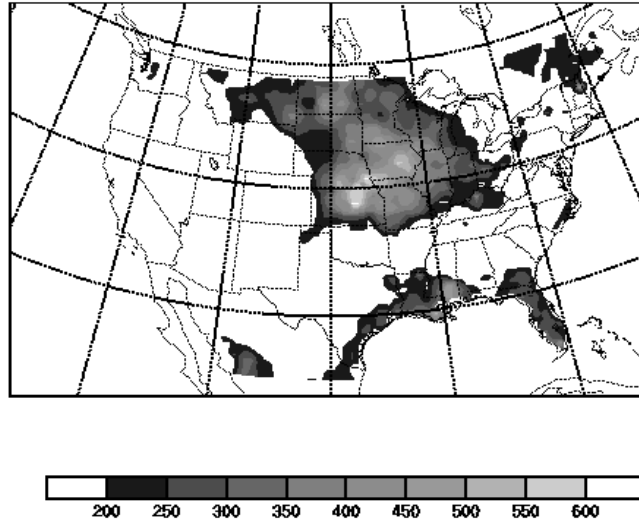
Figure 6. Frequency of 3-h precipitation totals expressed as cumulative fraction of 60-d accumulated precipitation.

Figure 7. 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 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 (a) group A and (b) group B. Members of group A and group B are listed in the caption for Figure 1.

**(a)**

**June-July 1993 Observed Precipitation (mm)**



**(b)**

**June-July 1993 RCM composite precipitation (mm)**

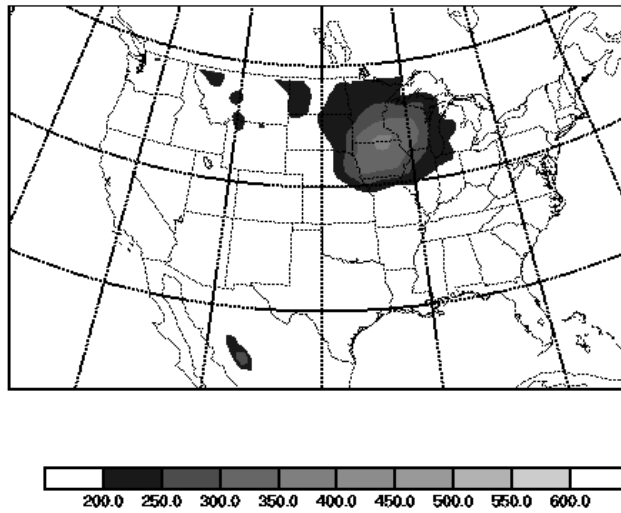
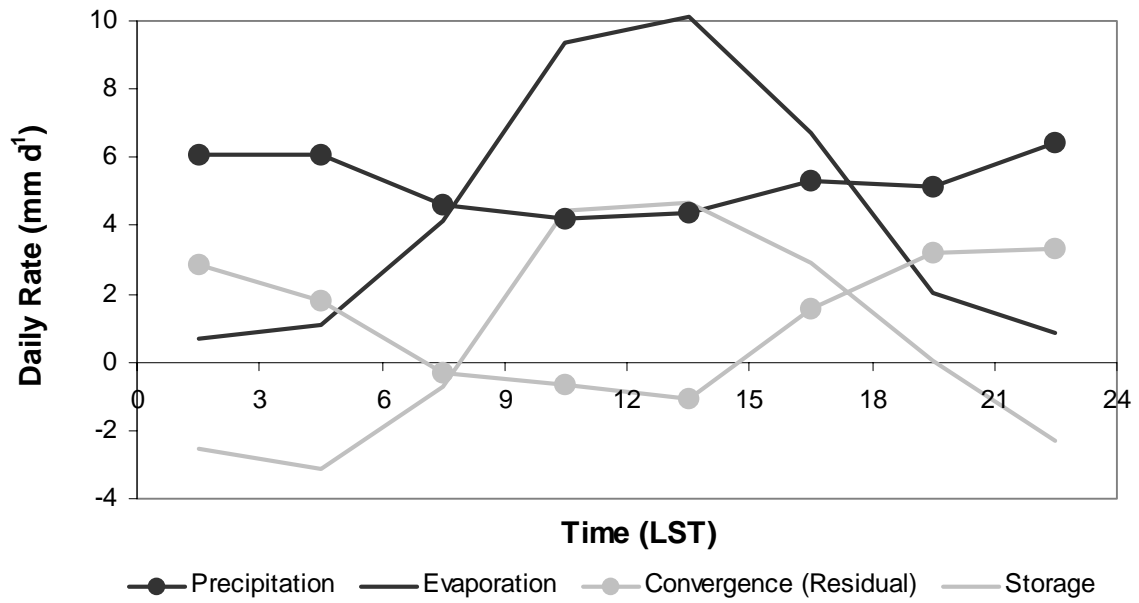


Figure 1. Precipitation for June-July 1993 from (a) gridded observations and (b) RCM composite.

(a)



(b)

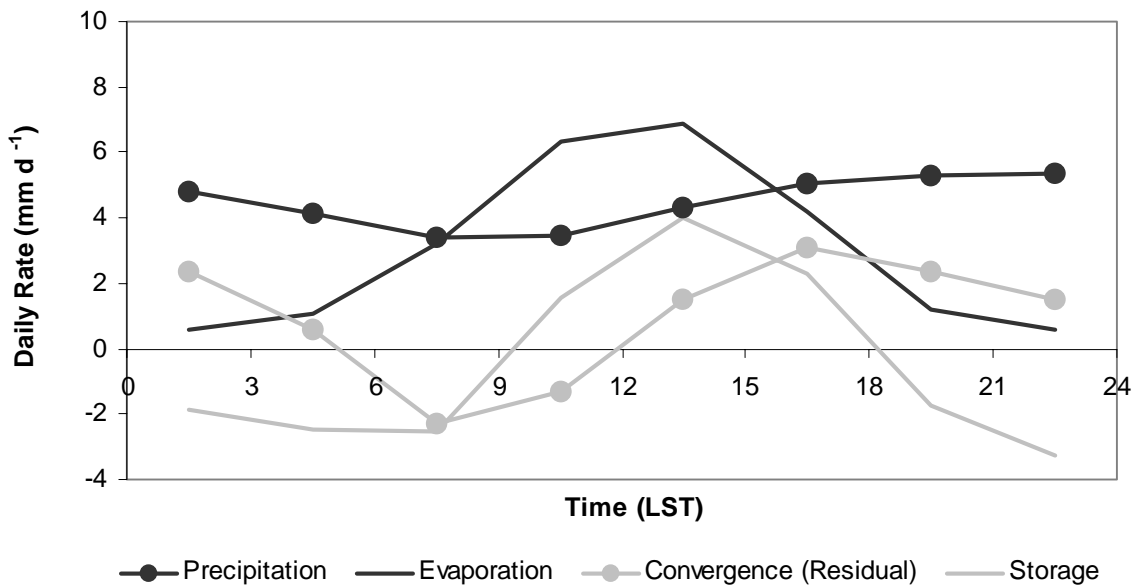
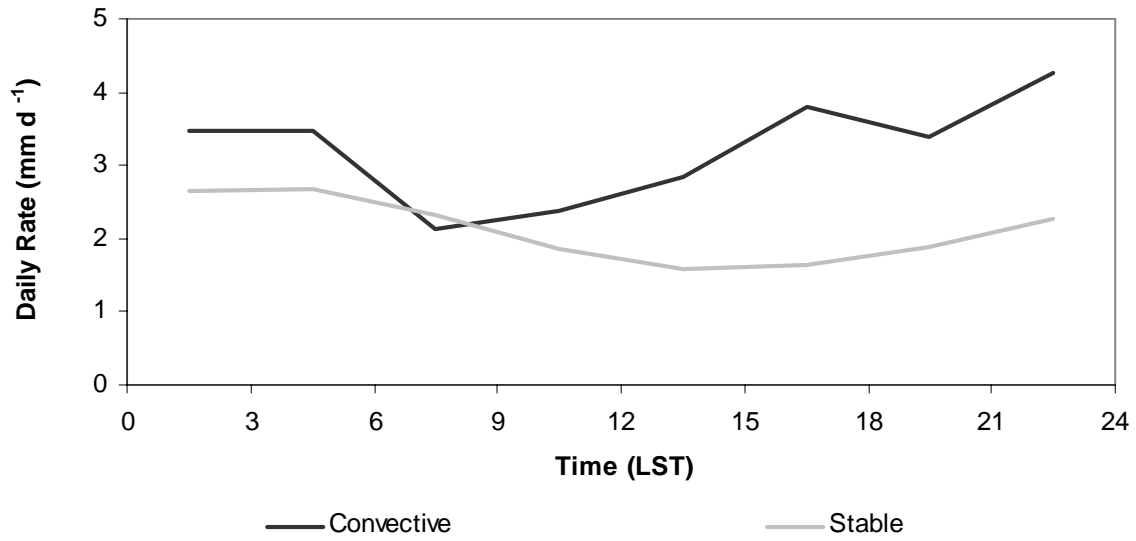


Figure 2. Daily cycle of terms in 60-d water vapor conservation equation (1) in (a) group A and (b) group B. RCMs included in group A are DARLAM, EM, MM5-ANL, MM5-BATS, NCEP RSM, RegCM2, Scripps RSM, SweCLIM-ECMWF, and SweCLIM-NCEP and in group B are ClimRAMS, CRCM, HIRHAM, PROMES.

(a)



(b)

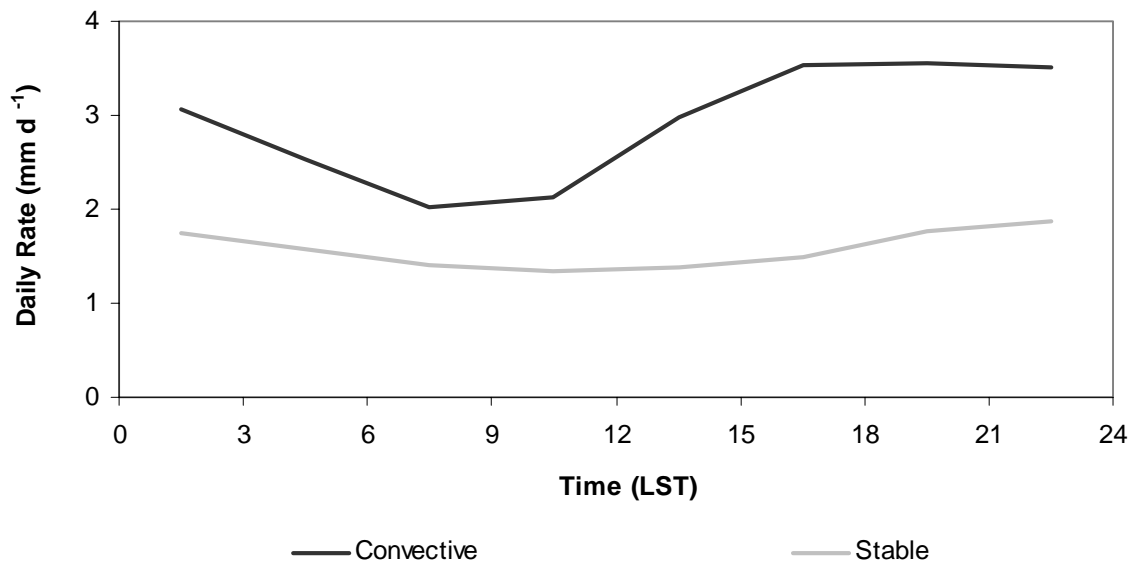
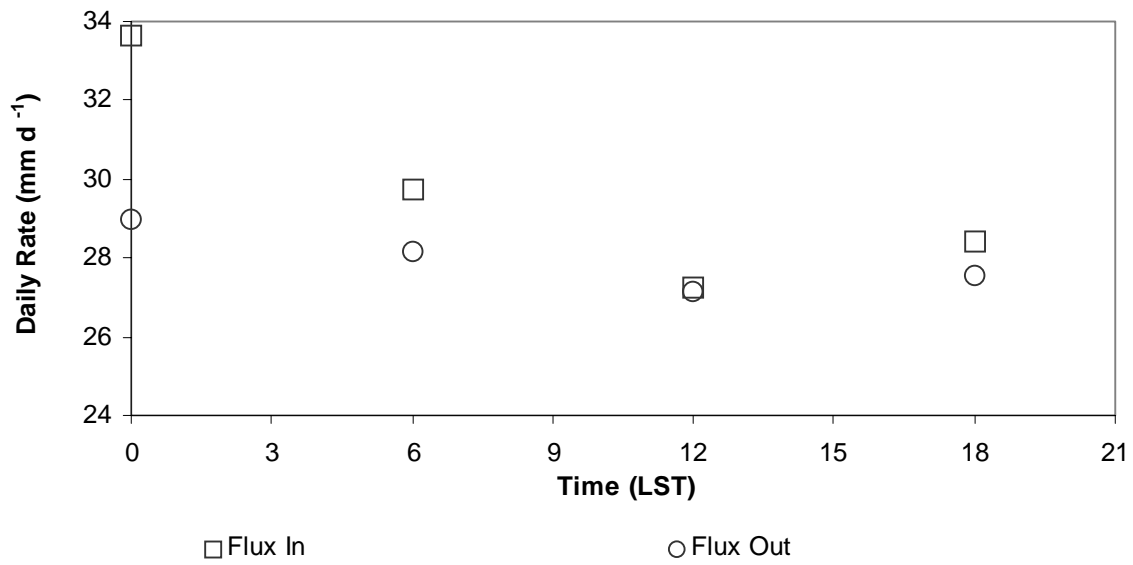


Figure 3. Daily cycle of 60-d convective and stable precipitation in (a) group A and group B. Members of group A and group B are listed in the caption of Figure 1.

**(a)**



**(b)**

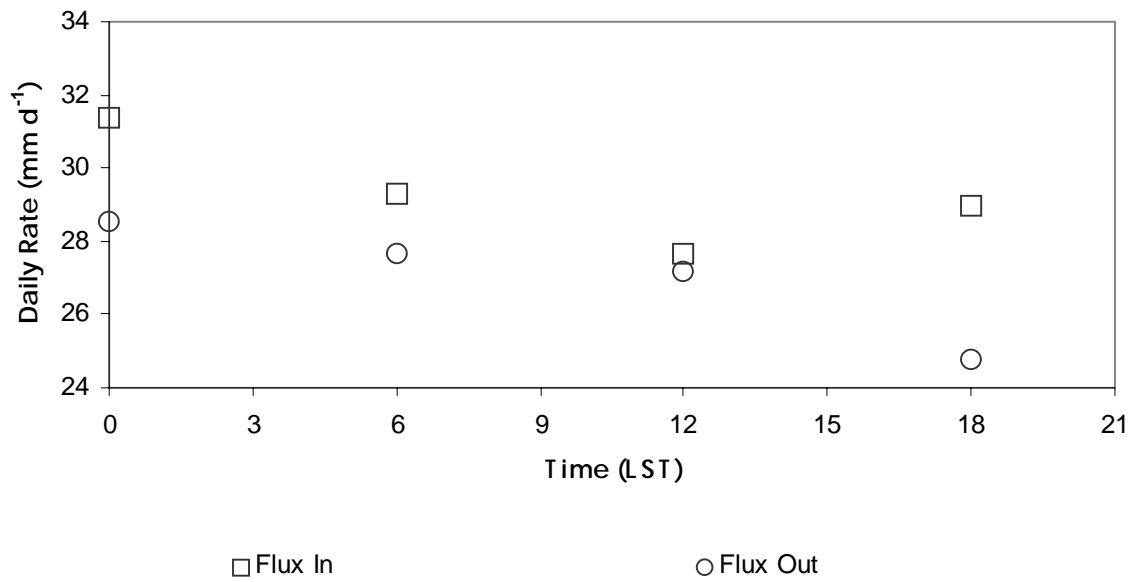


Figure 4. Daily cycle of 60-d water vapor influx and efflux in (a) group A and (b) group B. Members of group A and group B are listed in the caption of Figure 1.

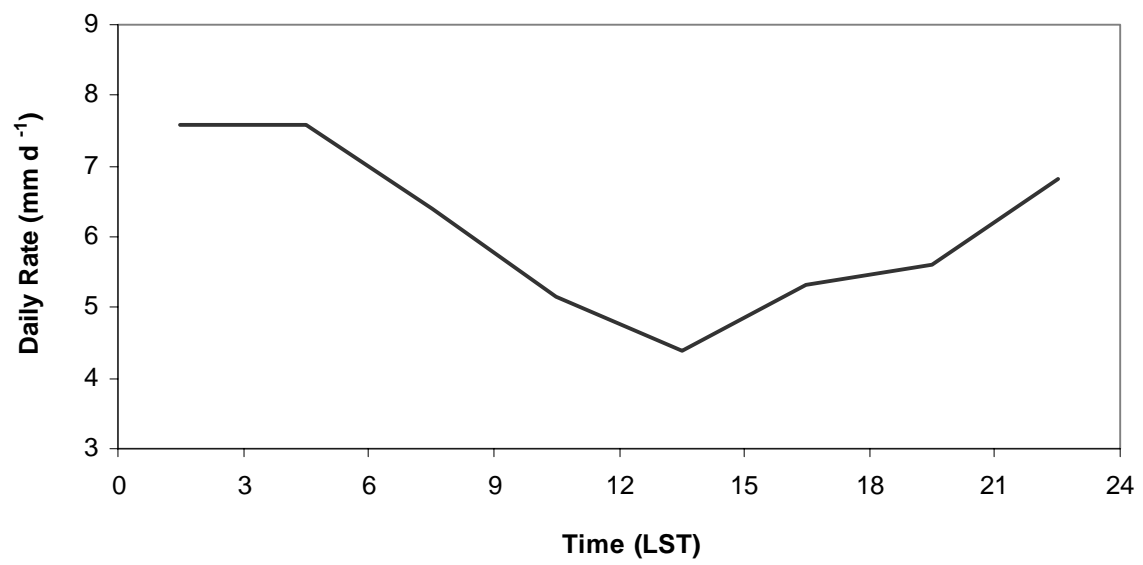


Figure 5. Daily cycle of 60-d precipitation in station reports.

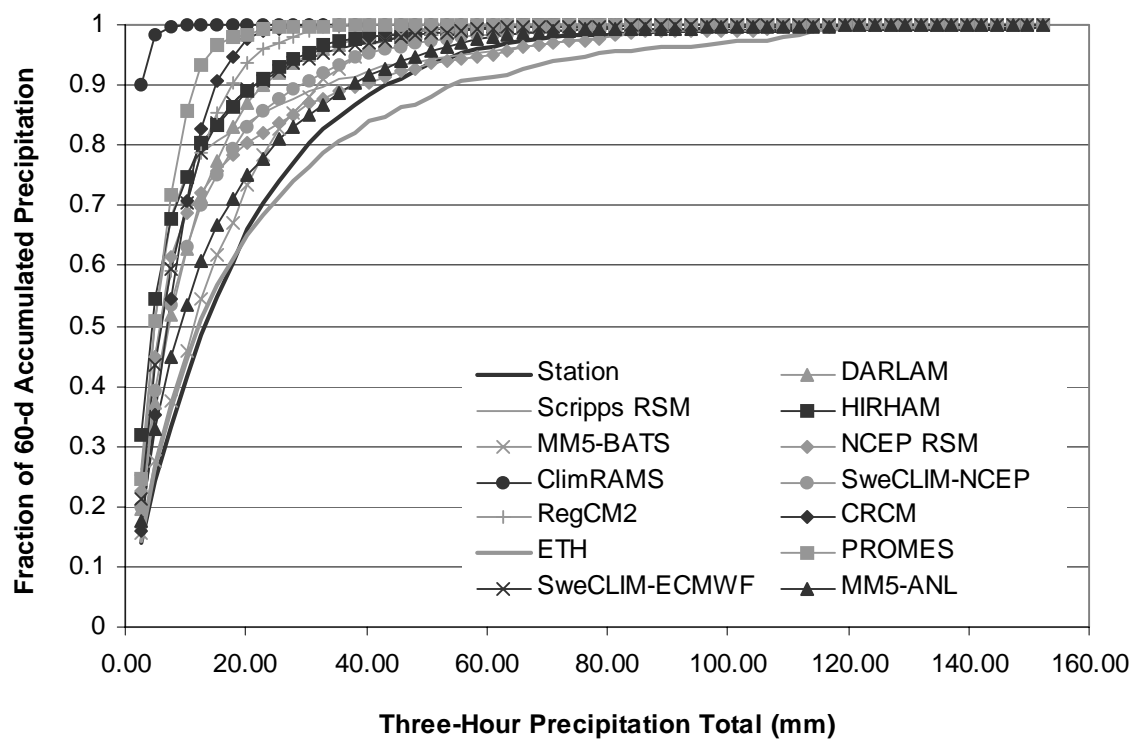


Figure 6. Frequency of 3-h precipitation totals expressed as cumulative fraction of 60-d accumulated precipitation.

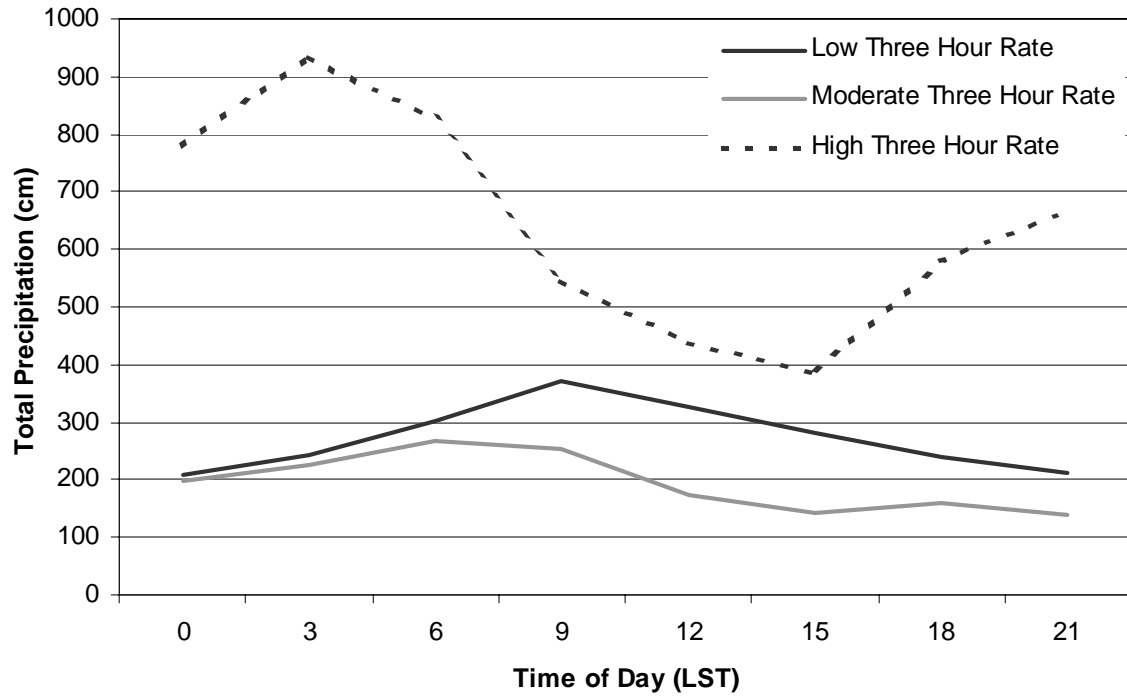
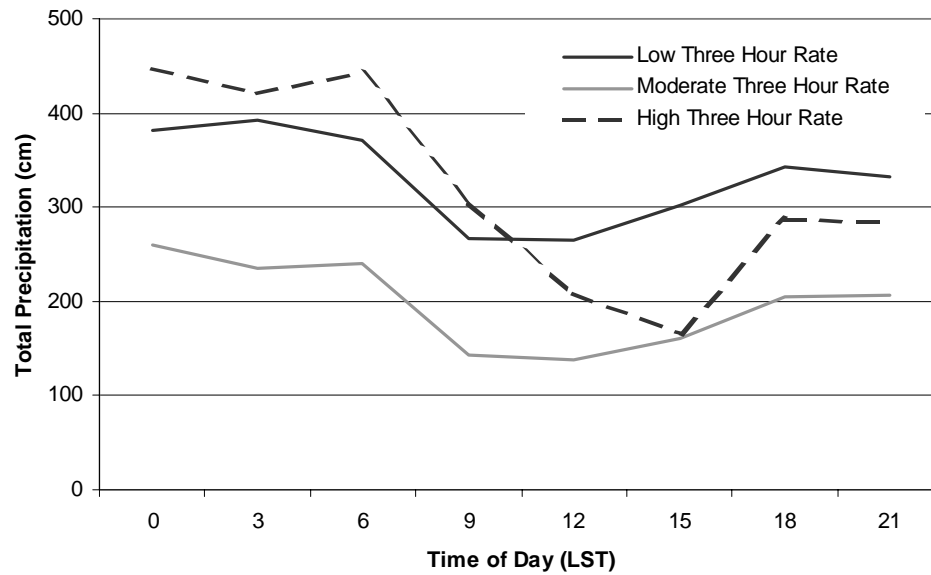


Figure 7. Daily cycle of accumulated precipitation for high (12.70-101.60 mm), moderate (7.62-10.16 mm), and low (2.54-5.08 mm) 3-h precipitation totals in station reports.



(a)



(b)

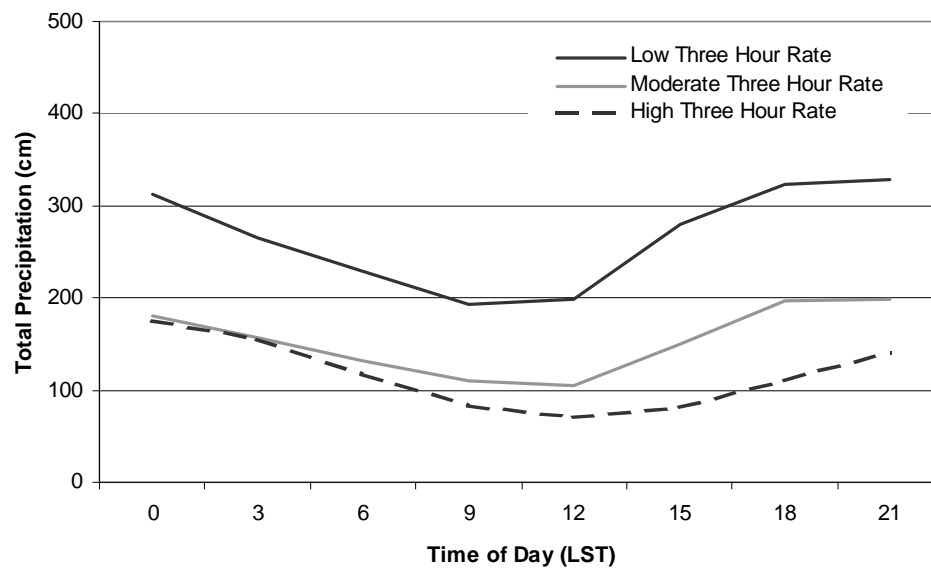


Figure 8. Daily cycle of accumulated precipitation for high (12.70-101.60 mm), moderate (7.62-10.16 mm), and low (2.54-5.08 mm) 3-h precipitation totals in (a) group A and (b) group B. Members of group A and group B are listed in the caption for Figure 1.