

June(still high L

fect SH)

RTDS

Relative bias [(model-

observed)/observed] of mean annual runoff

for selected basins for

1 October 1997 to 30

September 1999

Red:

CNTR

Blue: Sens

- >Seasonal LAI and root fraction have been implemented to Noah LSM.
  >Some parameters have been retuned especially for those related to computing canopy resistance (vapor pressure deficit function, soil moisture function).
- >The new version of Noah LSM has yielded better surface fluxes, particularly both the high LH bias during the spring and the low LH bias during the summer have been reduced.
- The warm bias of the surface skin temperature has been reduced.
  The new version of Noah LSM produces better surface water budget, i.e. surface runoff.