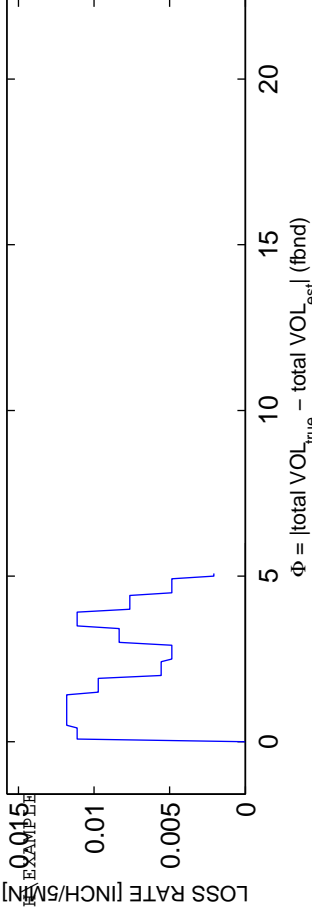


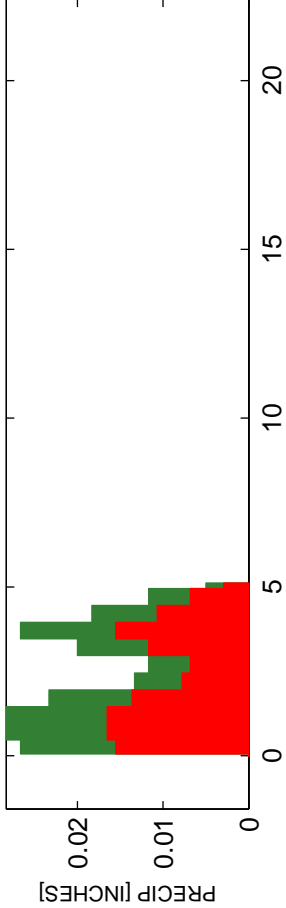
RUN #4

STAD-DATE: sta22222222\_1969\_0214  
DATA DIR: d:\jvlabel\SWAP\UNIT\precip\_loss\_optimization\towEB\BOT\EXAMPLE  
AREA [mi²] ..... PRECIPITATION ..... 1.94  
-----  
TOTAL RAIN VOLUME [inches] ..... 1.2333  
EXCESS RAIN VOLUME [inches] ..... 0.71943  
PERCENT RAIN VOLUME LOSS ..... 41.6679  
-----  
DISCHARGE  
-----  
MEAN OBS Q [CFS] ..... 37.3791  
MEAN SIM Q [CFS] ..... 37.2985  
RMS Q RESIDUALS [CFS] ..... 51.5955  
Q RELATIVE BIAS ..... -0.0021558  
Q NASH-SUTCLIFFE EFFICIENCY ..... -0.78336  
Q SIM vs OBS R² ..... 0.29997  
Q SIM vs OBS SLOPE ..... 0.34478  
Q SIM vs OBS INTERCEPT ..... 24.5192  
-----  
VOLUME  
-----  
MEAN OBS V [CFS] ..... 0.42808  
MEAN SIM V [CFS] ..... 0.53533  
RMS V RESIDUALS [CFS] ..... 0.15416  
V RELATIVE BIAS ..... 0.25054  
V NASH-SUTCLIFFE EFFICIENCY ..... 0.6975  
V SIM vs OBS R² ..... 0.84761  
V SIM vs OBS SLOPE ..... 0.93793  
V SIM vs OBS INTERCEPT ..... -0.074023  
-----  
OPTIMIZATION RESULTS -----  
SIM/OBS TOTAL VOLUME RATIO ..... 1  
MINIMIZED OBJECTIVE FUNCTION VALUE ..... 6.1164e-007  
C<sub>opt</sub>: 0.58332

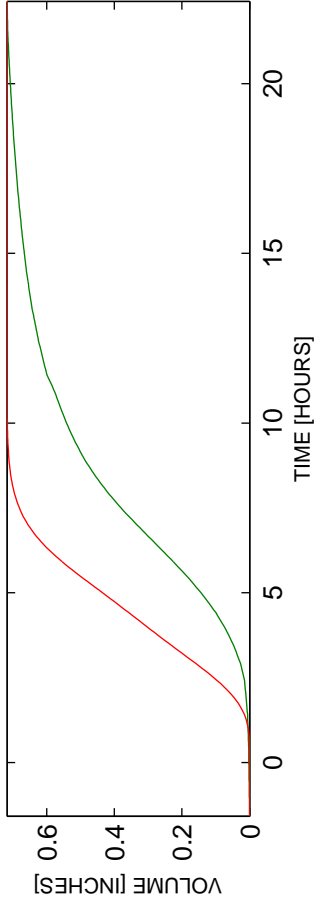
PRECIP LOSS FUNCTION:  $P_{xs}(t) = c_1 P_{tot}(t) [0 < c_1 \leq 1]$



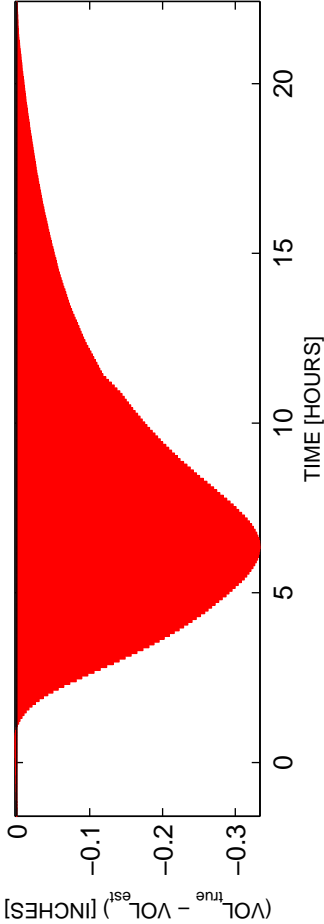
OBS AND MODELED RAINFALL: RAW DATA USED



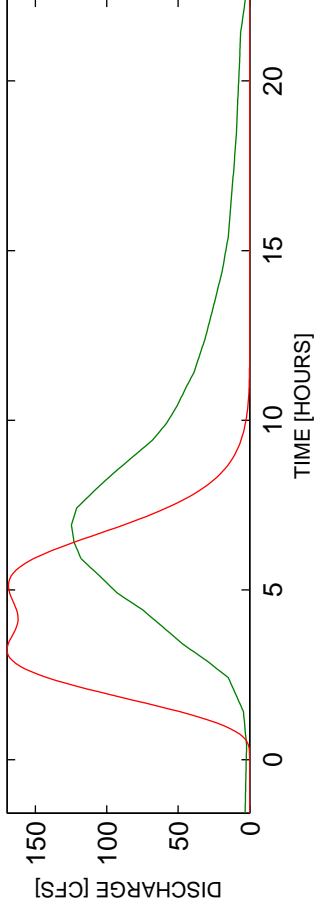
OBS AND ESTIMATED ACCUMULATED VOLUME



ACCUMULATED VOLUME RESIDUALS



OBS AND ESTIMATED DISCHARGES



DISCHARGE RESIDUALS

