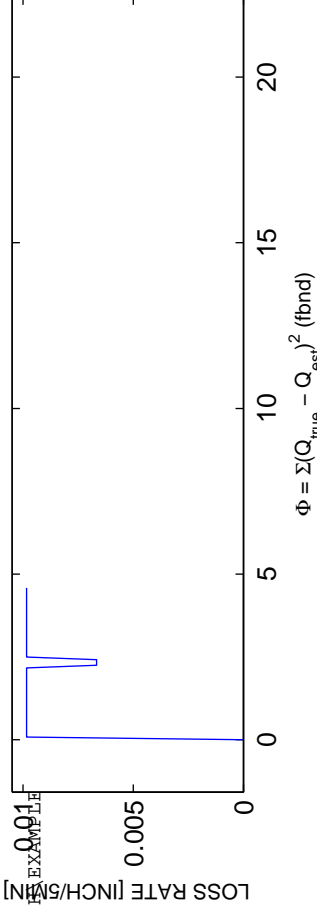


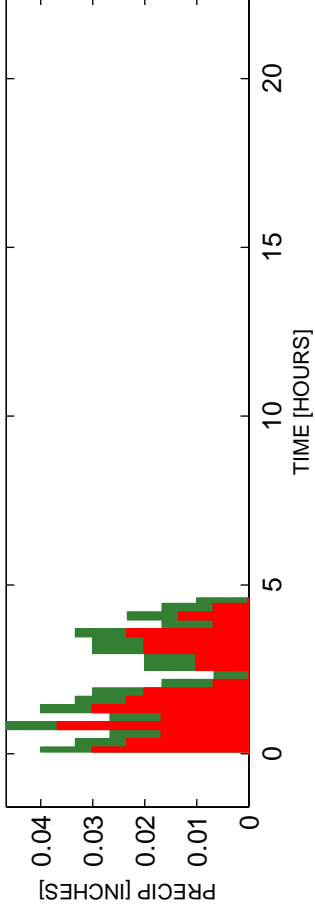
RUN #2

STAD-DATE: stal111111\_1969\_0214  
DATA DIR: d:\jvrael\SWAP\UNIT\precip\_loss\_optimization\toweb\BOTHEXAMPLE  
AREA [mi^2] ..... PRECIPITATION ..... 1.33  
-----  
TOTAL RAIN VOLUME [inches] ..... 1.45  
EXCESS RAIN VOLUME [inches] ..... 0.91816  
PERCENT RAIN VOLUME LOSS ..... 36.6788  
-----  
DISCHARGE  
-----  
MEAN OBS Q [CFS] ..... 37.44  
MEAN SIM Q [CFS] ..... 32.6485  
RMS Q RESIDUALS [CFS] ..... 26.0223  
Q RELATIVE BIAS ..... -0.12798  
Q NASH-SUTCLIFFE EFFICIENCY ..... 0.8244  
Q SIM vs OBS R<sup>2</sup> ..... 0.85421  
Q SIM vs OBS SLOPE ..... 0.85681  
Q SIM vs OBS INTERCEPT ..... 9.4664  
-----  
VOLUME  
-----  
MEAN OBS V [CFS] ..... 0.8062  
MEAN SIM V [CFS] ..... 0.74834  
RMS V RESIDUALS [CFS] ..... 0.10247  
V RELATIVE BIAS ..... -0.07176  
V NASH-SUTCLIFFE EFFICIENCY ..... 0.92416  
V SIM vs OBS R<sup>2</sup> ..... 0.96807  
V SIM vs OBS SLOPE ..... 1.1666  
V SIM vs OBS INTERCEPT ..... -0.066796  
-----  
OPTIMIZATION RESULTS -----  
SIM/OBS TOTAL VOLUME RATIO ..... 0.87156  
MINIMIZED OBJECTIVE FUNCTION VALUE ..... 195699.5306  
C<sub>opt</sub>: 0.0098431

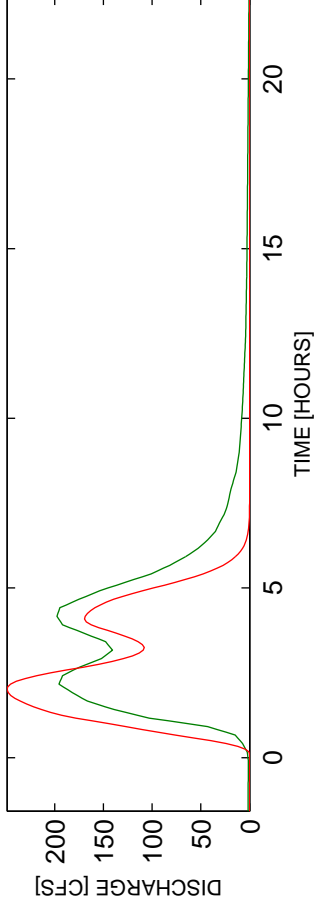
PRECIP LOSS FUNCTION:  $L(t) = c_1$



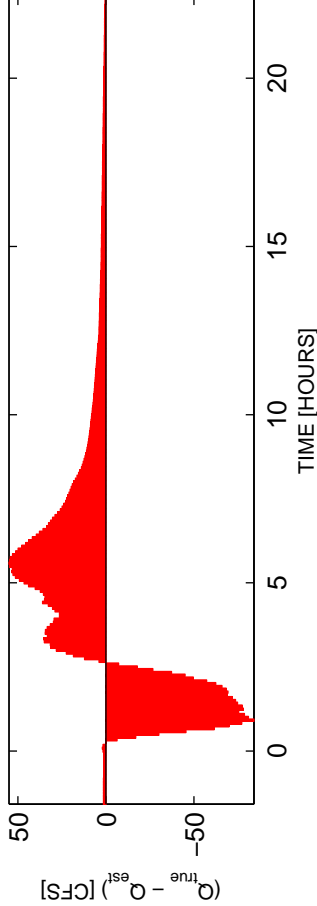
OBS AND MODELED RAINFALL: RAW DATA USED



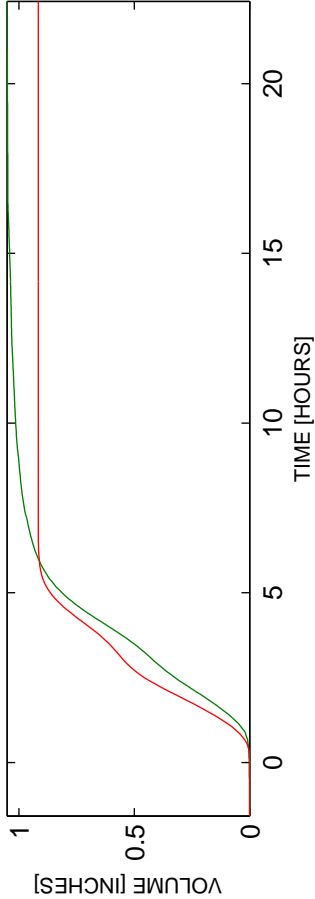
OBS AND ESTIMATED DISCHARGES



DISCHARGE RESIDUALS



OBS AND ESTIMATED ACCUMULATED VOLUME



ACCUMULATED VOLUME RESIDUALS

