

RUN #3

STAD-DATE: sta22222222_1968_0709
DATA DIR: d:\jvlabel\SWAP\UNIT\precip_loss_optimization\towEB\BOTEM\EXAMPLE
AREA [mi²] PRECIPITATION 1.94

TOTAL RAIN VOLUME [inches] 6.2667
EXCESS RAIN VOLUME [inches] 3.2866
PERCENT RAIN VOLUME LOSS 47.5541

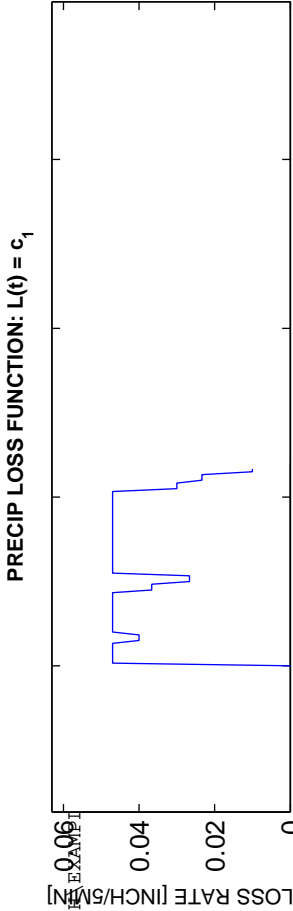
DISCHARGE

MEAN OBS Q [CFS] 170.2986
MEAN SIM Q [CFS] 170.3929
RMS Q RESIDUALS [CFS] 185.8066
Q RELATIVE BIAS 0.00055356
Q NASH-SUTCLIFFE EFFICIENCY 0.50832
Q SIM vs OBS R² 0.63035
Q SIM vs OBS SLOPE 0.69445
Q SIM vs OBS INTERCEPT 51.9691

VOLUME

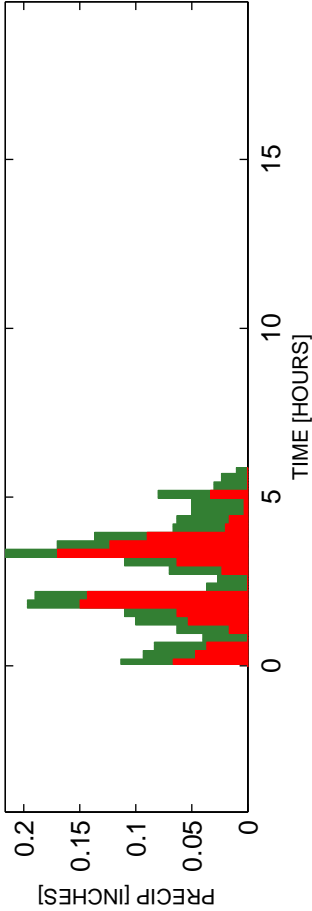
MEAN OBS V [CFS] 1.7867
MEAN SIM V [CFS] 2.0358
RMS V RESIDUALS [CFS] 0.42488
V RELATIVE BIAS 0.13943
V NASH-SUTCLIFFE EFFICIENCY 0.91437
V SIM vs OBS R² 0.94475
V SIM vs OBS SLOPE 0.96945
V SIM vs OBS INTERCEPT -0.18693

OPTIMIZATION RESULTS -----
SIM/OBS TOTAL VOLUME RATIO 1
MINIMIZED OBJECTIVE FUNCTION VALUE 1.2539e-006
C_{opt}: 0.046982

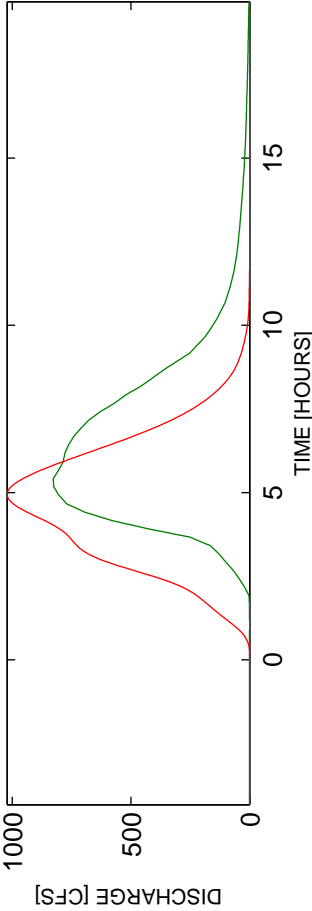


$\Phi = |\text{total VOL}_{\text{True}} - \text{total VOL}_{\text{est}}| \text{ (fbnd)}$

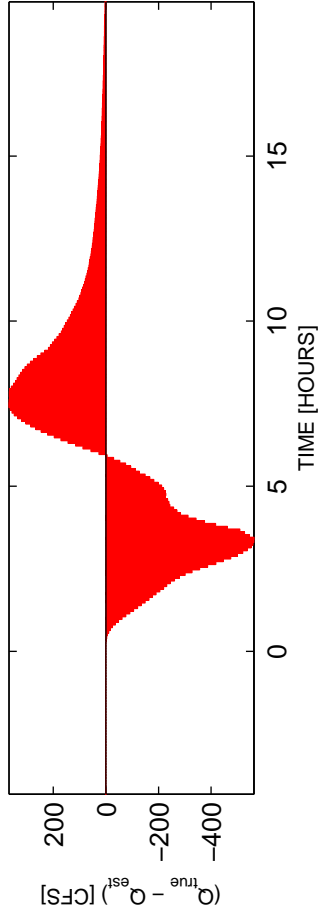
OBS AND MODELED RAINFALL: RAW DATA USED



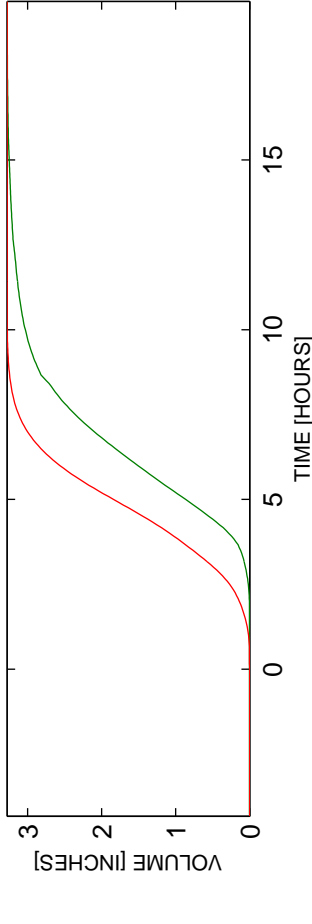
OBS AND ESTIMATED DISCHARGES



DISCHARGE RESIDUALS



OBS AND ESTIMATED ACCUMULATED VOLUME



ACCUMULATED VOLUME RESIDUALS

