

RUN #1

STAD-DATE: stal1111111_1968_0709
DATA DIR: d:\jvlabel\SWAP\UNIT\precip_loss_optimization\towEB\BOTEN\EXAMP1
AREA [mi^2] PRECIPITATION 1.33

TOTAL RAIN VOLUME [inches] 5.8333
EXCESS RAIN VOLUME [inches] 3.1611
PERCENT RAIN VOLUME LOSS 45.8102

DISCHARGE

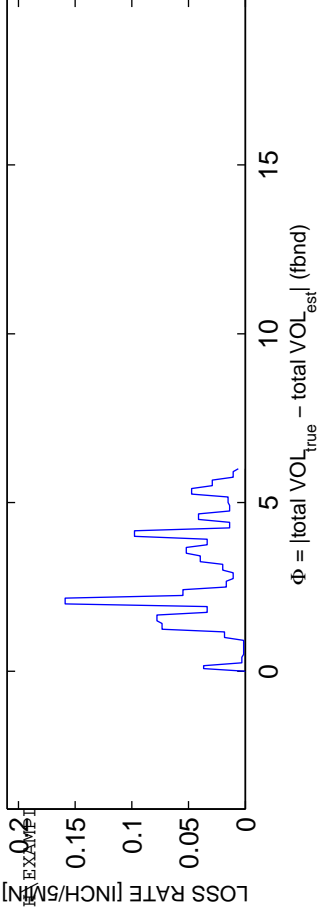
MEAN OBS Q [CFS] 112.4013
MEAN SIM Q [CFS] 112.4034
RMS Q RESIDUALS [CFS] 116.326
Q RELATIVE BIAS 1.8734e-005
Q NASH-SUTCLIFFE EFFICIENCY 0.60957
Q SIM vs OBS R₂ 0.71044
Q SIM vs OBS SLOPE 0.72632
Q SIM vs OBS INTERCEPT 30.7603

VOLUME

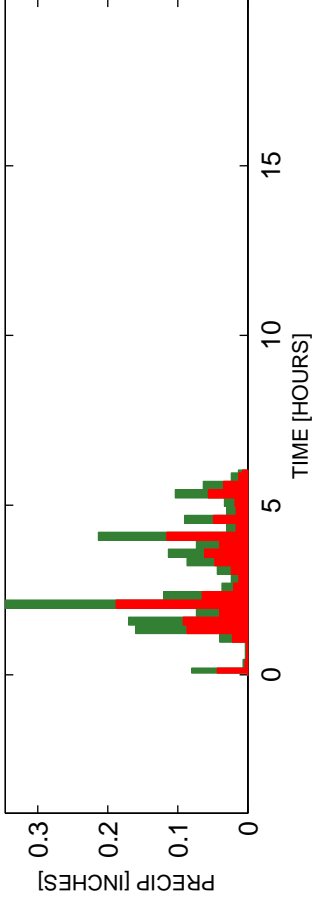
MEAN OBS V [CFS] 1.9698
MEAN SIM V [CFS] 2.1094
RMS V RESIDUALS [CFS] 0.27656
V RELATIVE BIAS 0.070859
V NASH-SUTCLIFFE EFFICIENCY 0.95956
V SIM vs OBS R₂ 0.96988
V SIM vs OBS SLOPE 0.99643
V SIM vs OBS INTERCEPT -0.13205

OPTIMIZATION RESULTS -----
SIM/OBS TOTAL VOLUME RATIO 1
MINIMIZED OBJECTIVE FUNCTION VALUE 1.2151e-005
C_{opt}: 0.5419

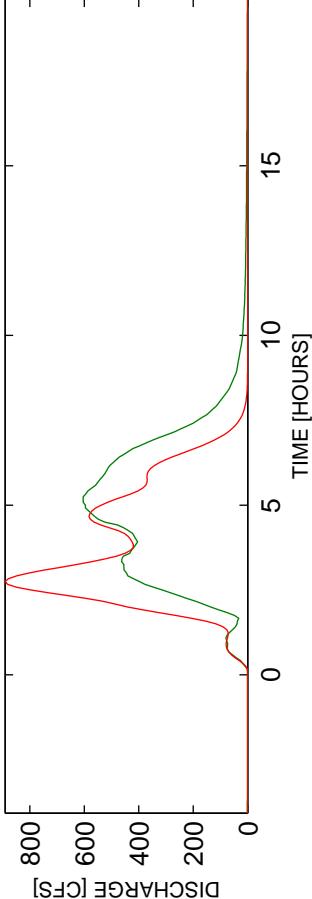
PRECIP LOSS FUNCTION: $P_{xs}(t) = c_1 P_{tot}(t) [0 < c_1 \leq 1]$



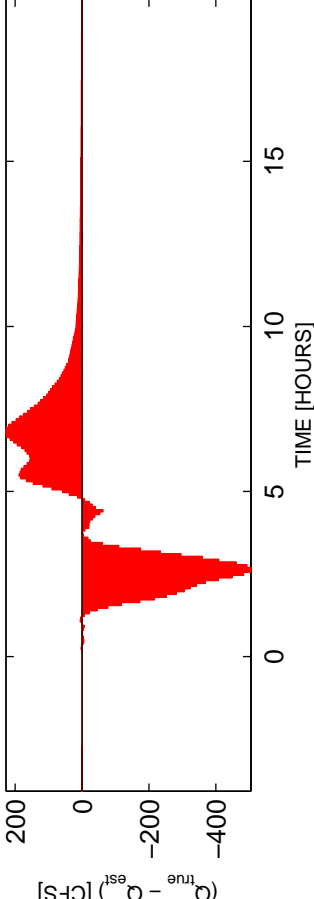
$\Phi = |\text{total VOL}_{\text{True}} - \text{total VOL}_{\text{est}}| \text{ (fbnd)}$



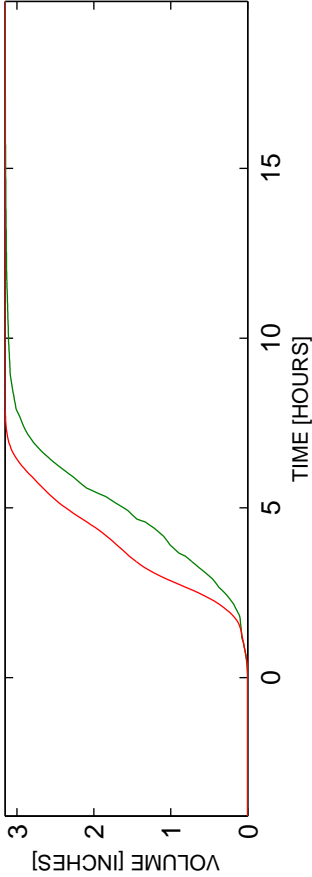
OBS AND ESTIMATED DISCHARGES



DISCHARGE RESIDUALS



OBS AND ESTIMATED ACCUMULATED VOLUME



ACCUMULATED VOLUME RESIDUALS

