

RUN #2

STAD-DATE: stal1111111_1969_0214
DATA DIR: d:\jvlabel\SWAP\UNIT\precip_loss_optimization\towEB\BOTHEXAMPLE
AREA [mi^2] PRECIPITATION 1.33

TOTAL RAIN VOLUME [inches] 1.45
EXCESS RAIN VOLUME [inches] 1.0416
PERCENT RAIN VOLUME LOSS 28.1647

DISCHARGE

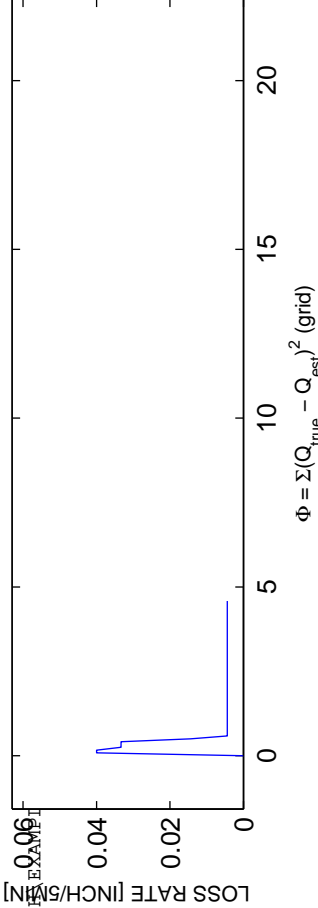
MEAN OBS Q [CFS] 37.44
MEAN SIM Q [CFS] 37.0383
RMS Q RESIDUALS [CFS] 21.4405
Q RELATIVE BIAS -0.010727
Q NASH-SUTCLIFFE EFFICIENCY 0.88079
Q SIM vs OBS R² 0.95609
Q SIM vs OBS SLOPE 0.78091
Q SIM vs OBS INTERCEPT 8.5164

VOLUME

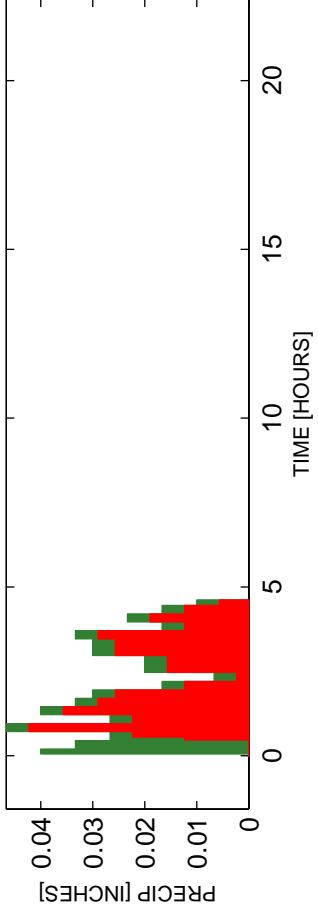
MEAN OBS V [CFS] 0.8062
MEAN SIM V [CFS] 0.8322
RMS V RESIDUALS [CFS] 0.052684
V RELATIVE BIAS 0.032256
V NASH-SUTCLIFFE EFFICIENCY 0.97995
V SIM vs OBS R² 0.98496
V SIM vs OBS SLOPE 0.98884
V SIM vs OBS INTERCEPT -0.01672

OPTIMIZATION RESULTS -----
SIM/OBS TOTAL VOLUME RATIO 0.98875
MINIMIZED OBJECTIVE FUNCTION VALUE 132851.9282
C_{opt} : 0.18999 0.004368

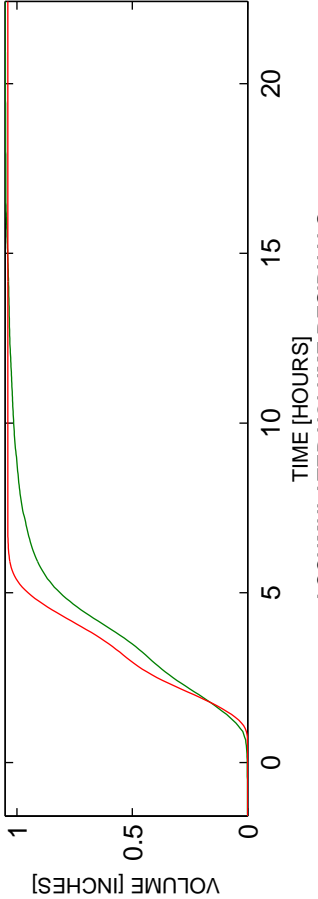
PRECIP LOSS FUNCTION: $P_{xs}(t) = \text{init.abs. then const.loss}$



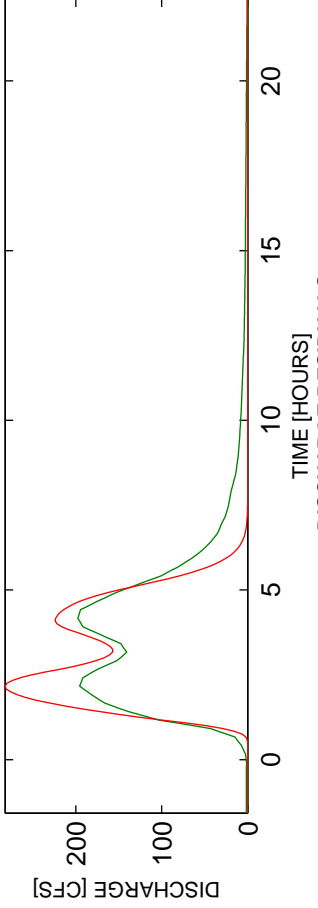
OBS AND MODELED RAINFALL: RAW DATA USED



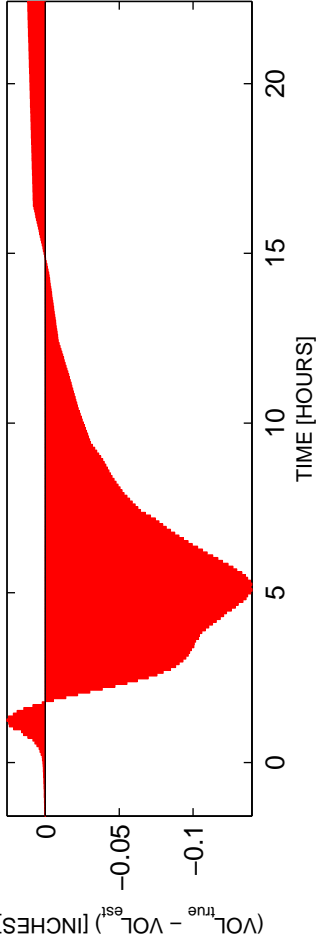
OBS AND ESTIMATED ACCUMULATED VOLUME



OBS AND ESTIMATED DISCHARGES



ACCUMULATED VOLUME RESIDUALS



DISCHARGE RESIDUALS

