

RUN #2

STAIID-DATE: stal1111111_1969_0214
DATA DIR: d:\jvrael\SWAP\UNIT\precip_loss_optimization\towEB\BOTB\EXAMPLE
AREA [mi^2] PRECIPITATION 1.33

TOTAL RAIN VOLUME [inches] 1.45
EXCESS RAIN VOLUME [inches] 1.0535
PERCENT RAIN VOLUME LOSS 27.3474

DISCHARGE

MEAN OBS Q [CFS] 37.44
MEAN SIM Q [CFS] 37.4597
RMS Q RESIDUALS [CFS] 22.9781
Q RELATIVE BIAS 0.00052678
Q NASH-SUTCLIFFE EFFICIENCY 0.86308
Q SIM vs OBS R₂ 0.91686
Q SIM vs OBS SLOPE 0.80504
Q SIM vs OBS INTERCEPT 7.2835

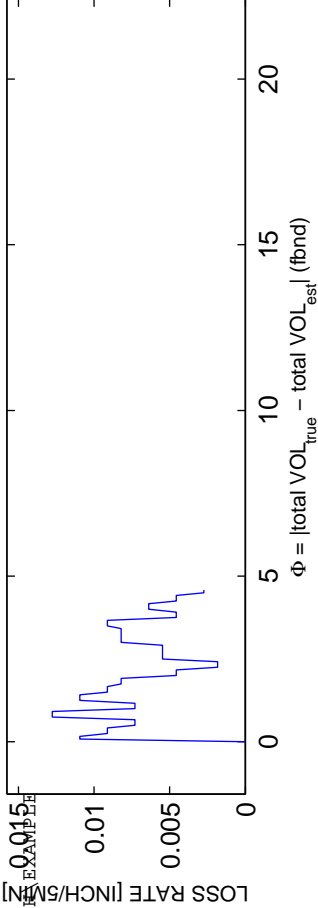
VOLUME

MEAN OBS V [CFS] 0.8062
MEAN SIM V [CFS] 0.85147
RMS V RESIDUALS [CFS] 0.07044
V RELATIVE BIAS 0.056161
V NASH-SUTCLIFFE EFFICIENCY 0.96416
V SIM vs OBS R₂ 0.97904
V SIM vs OBS SLOPE 1.0087
V SIM vs OBS INTERCEPT -0.052673

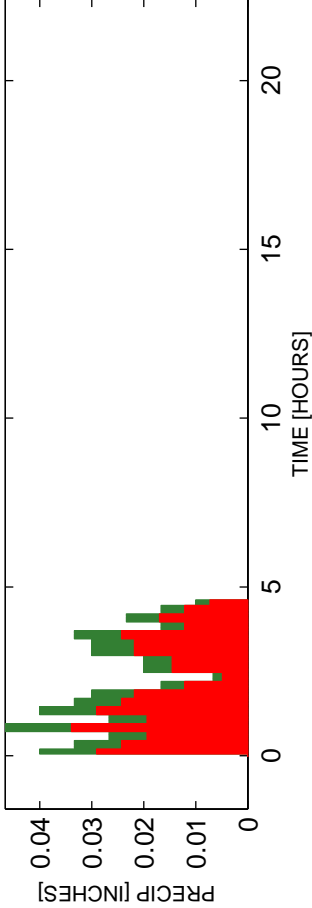
OPTIMIZATION RESULTS

SIM/OBS TOTAL VOLUME RATIO 1
MINIMIZED OBJECTIVE FUNCTION VALUE 2.1389e-007
C_{opt}: 0.72653

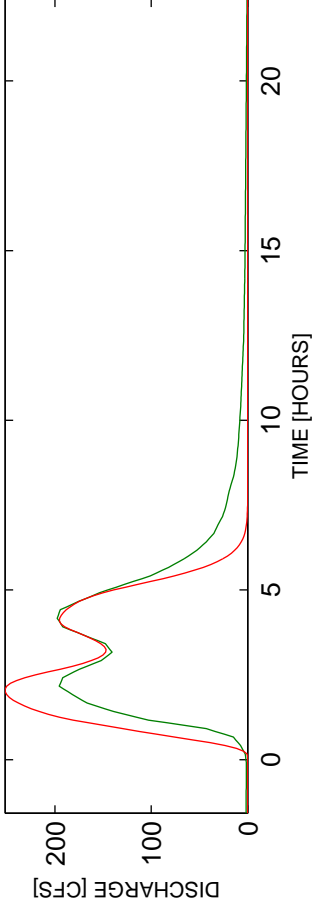
PRECIP LOSS FUNCTION: $P_{xs}(t) = c_1 P_{tot}(t) [0 < c_1 \leq 1]$



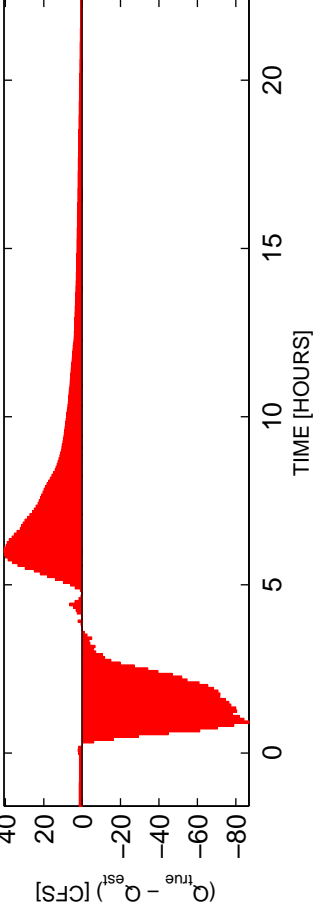
OBS AND MODELED RAINFALL: RAW DATA USED



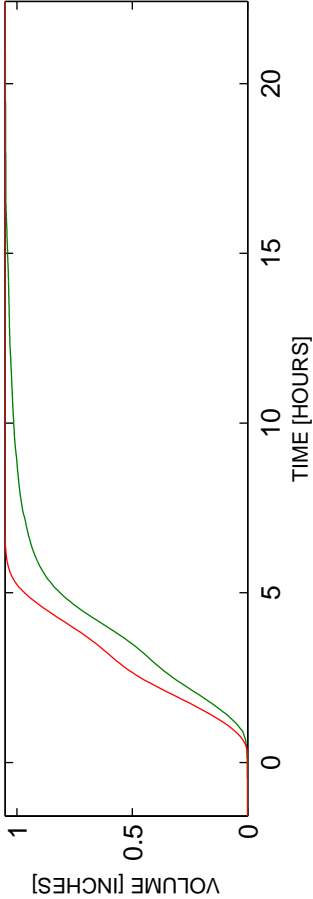
OBS AND ESTIMATED DISCHARGES



DISCHARGE RESIDUALS



OBS AND ESTIMATED ACCUMULATED VOLUME



ACCUMULATED VOLUME RESIDUALS

