

RUN #1

STAD-DATE: stal1111111_1968_0709
DATA DIR: d:\jvlabel\SWAP\UNIT\precip_loss_optimization\towEB\BOTH\EXAMP
AREA [mi²] PRECIPITATION 1.33

TOTAL RAIN VOLUME [inches] 5.8333
EXCESS RAIN VOLUME [inches] 3.1238
PERCENT RAIN VOLUME LOSS 46.4496

DISCHARGE

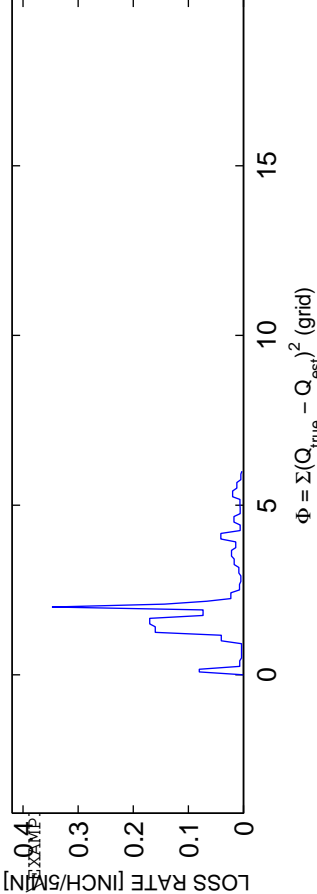
MEAN OBS Q [CFS] 112.4013
MEAN SIM Q [CFS] 111.0772
RMS Q RESIDUALS [CFS] 81.5933
Q RELATIVE BIAS -0.01178
Q NASH-SUTCLIFFE EFFICIENCY 0.80791
Q SIM vs OBS R² 0.90212
Q SIM vs OBS SLOPE 0.75582
Q SIM vs OBS INTERCEPT 28.4474

VOLUME

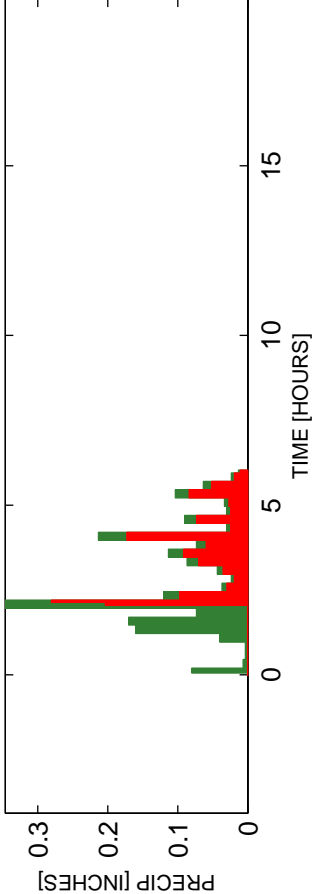
MEAN OBS V [CFS] 1.9698
MEAN SIM V [CFS] 1.987
RMS V RESIDUALS [CFS] 0.11782
V RELATIVE BIAS 0.0087165
V NASH-SUTCLIFFE EFFICIENCY 0.99266
V SIM vs OBS R² 0.99328
V SIM vs OBS SLOPE 0.97891
V SIM vs OBS INTERCEPT 0.024744

OPTIMIZATION RESULTS -----
SIM/OBS TOTAL VOLUME RATIO 0.9882
MINIMIZED OBJECTIVE FUNCTION VALUE 1924006.1824
C_{opt}: 1.9718 0.80894

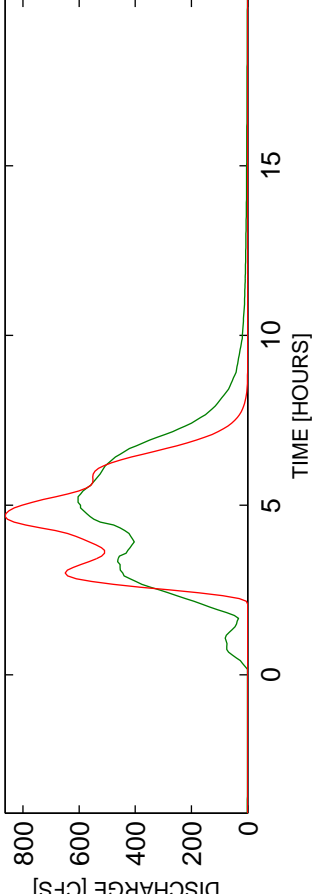
PRECIP LOSS FUNCTION: $P_{xs}(t)$ = init.abs. then prop.loss



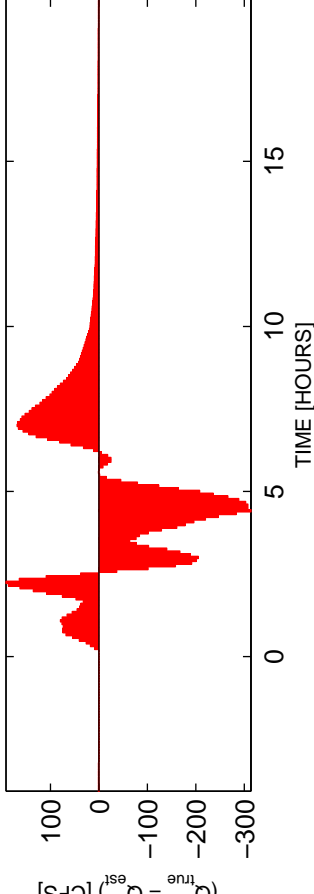
OBS AND MODELED RAINFALL: RAW DATA USED



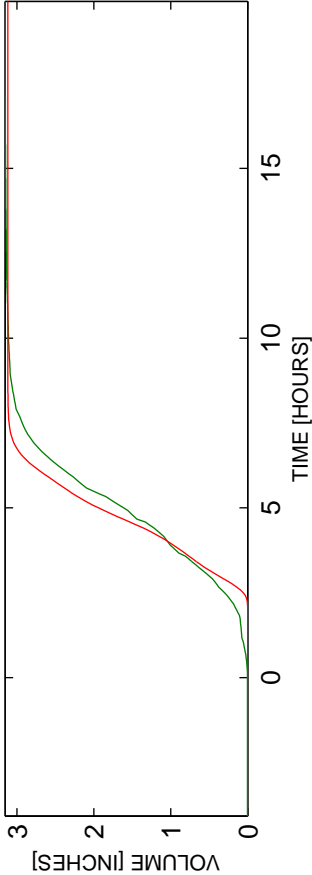
OBS AND ESTIMATED DISCHARGES



DISCHARGE RESIDUALS



OBS AND ESTIMATED ACCUMULATED VOLUME



ACCUMULATED VOLUME RESIDUALS

