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

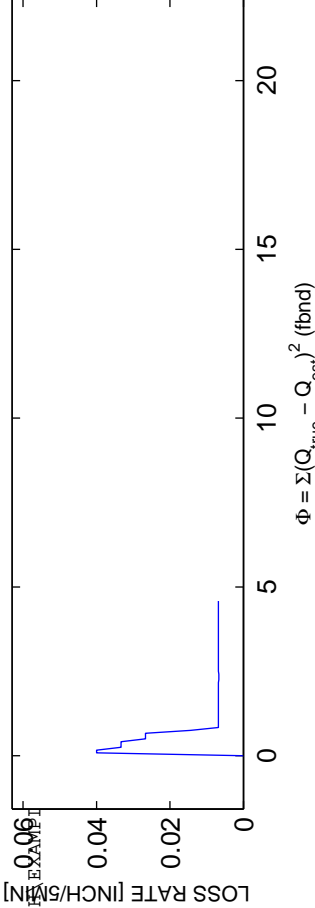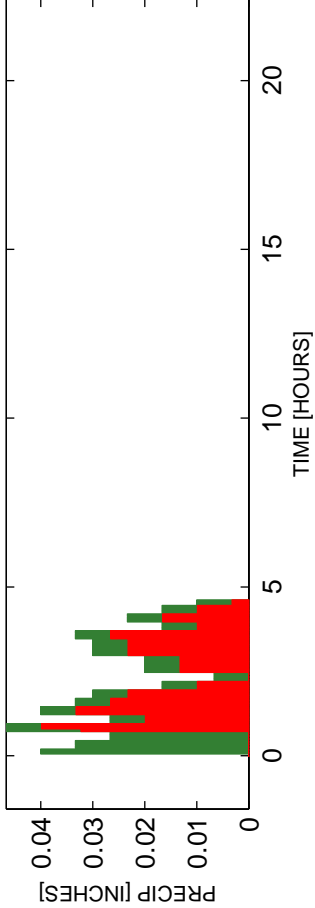## RUN #2

STAID-DATE: stall111111_1969_0214
DATA DIR: d:\jvrabel\SWAP\UNIT\precip_loss_optimization\toWEB\BOTH\EXAMPL
AREA [mi²] 1.33

------- PRECIPITATION -------
TOTAL RAIN VOLUME [inches] 1.45
EXCESS RAIN VOLUME [inches] 0.86299
PECENT RAIN VOLUME LOSS 40.4831

------- DISCHARGE -------
MEAN OBS Q [CFS] 37.44
MEAN SIM Q [CFS] 30.6869
RMS Q RESIDUALS [CFS] 16.7547
Q RELATIVE BIAS .... -0.18037
Q NASH-SUTCLIFFE EFFICIENCY 0.92721
Q SIM vs OBS R^2 .... 0.94708
Q SIM vs OBS SLOPE 0.91557
Q SIM vs OBS INTERCEPT 9.3439

------- VOLUME -------
MEAN OBS V [CFS] 0.8062
MEAN SIM V [CFS] 0.68692
RMS V RESIDUALS [CFS] 0.13928
V RELATIVE BIAS .... -0.14796
V NASH-SUTCLIFFE EFFICIENCY 0.85987
V SIM vs OBS R^2 .... 0.98583
V SIM vs OBS SLOPE 1.1812
V SIM vs OBS INTERCEPT .... -0.0051701

------- OPTIMIZATION RESULTS -------
SIM/OBS TOTAL VOLUME RATIO 0.8192
MINIMIZED OBJECTIVE FUNCTION VALUE 81128.101
C_{opt}: 0.26761   0.0068045

LOSS RATE [INCH/5MIN]

OBS AND MODELED RAINFALL: RAW DATA USED

$\Phi = \Sigma(Q_{true} - Q_{est})^2$ (fbnd)

PRECIP [INCHES]

OBS AND ESTIMATED DISCHARGES
DISCHARGE [CFS]
TIME [HOURS]

DISCHARGE RESIDUALS
$(Q_{true} - Q_{est})$ [CFS]
TIME [HOURS]
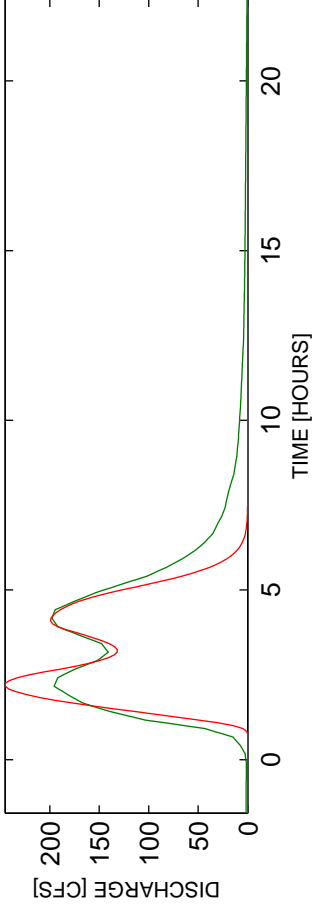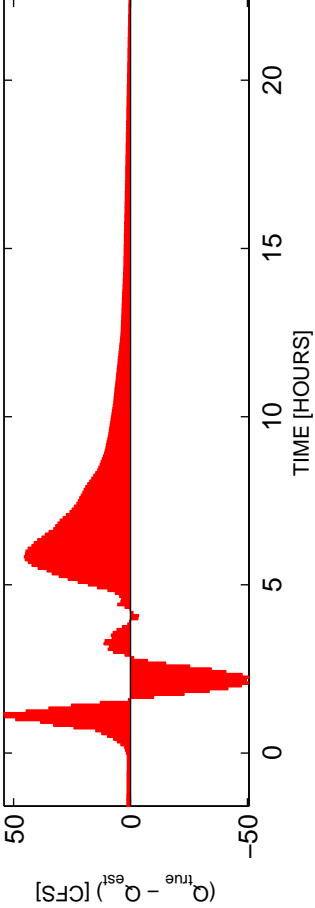
OBS AND ESTIMATED ACCUMULATED VOLUME
VOLUME [INCHES]
TIME [HOURS]
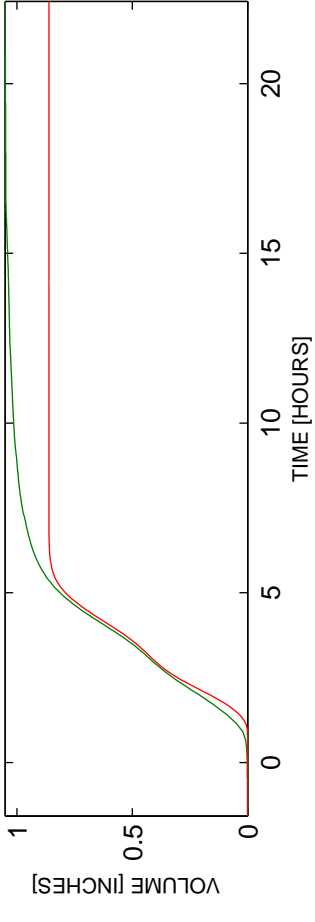
ACCUMULATED VOLUME RESIDUALS
$(VOL_{true} - VOL_{est})$ [INCHES]
TIME [HOURS]