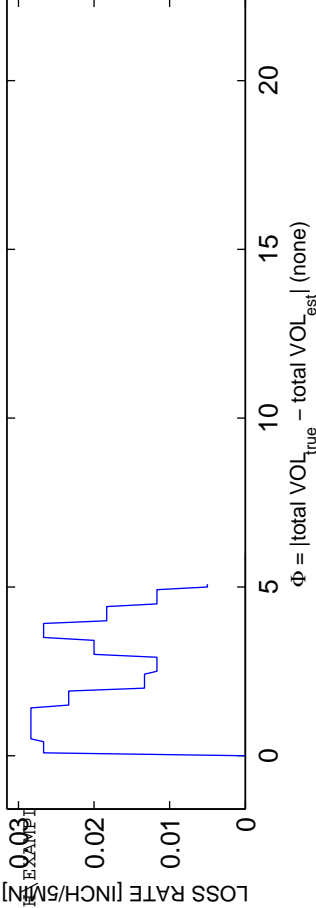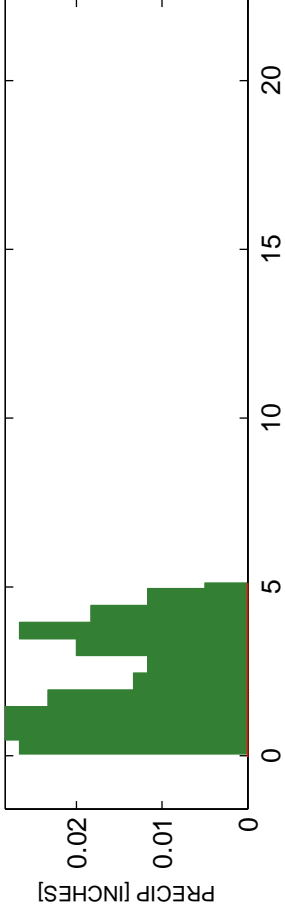**PRECIP LOSS FUNCTION: $P_{xs}(t)$ = init.abs. then const.loss**

**RUN #4**

STAID-DATE: sta22222222_1969_0214
DATA DIR: d:\jvrabel\SWAP\UNIT\precip_loss_optimization\toWEB\BOTH\EXAMPL
AREA [mi$^2$] ................. 1.94

------- PRECIPITATION -------
TOTAL RAIN VOLUME [inches] ........... 1.2333
EXCESS RAIN VOLUME [inches] .......... 0
PECENT RAIN VOLUME LOSS .............. 100

-------- DISCHARGE --------
MEAN OBS Q [CFS] ..................... 37.3791
MEAN SIM Q [CFS] ..................... 0
RMS Q RESIDUALS [CFS] ................ 53.7581
Q RELATIVE BIAS ...................... -1
Q NASH-SUTCLIFFE EFFICIENCY .......... -0.93599
Q SIM vs OBS R$^2$ ................... 0
Q SIM vs OBS SLOPE ................... 0
Q SIM vs OBS INTERCEPT ............... 37.3791

--------- VOLUME ---------
MEAN OBS V [CFS] ..................... 0.42808
MEAN SIM V [CFS] ..................... 0
RMS V RESIDUALS [CFS] ................ 0.51168
V RELATIVE BIAS ...................... -1
V NASH-SUTCLIFFE EFFICIENCY .......... -2.3325
V SIM vs OBS R$^2$ ................... 0
V SIM vs OBS SLOPE ................... 0
V SIM vs OBS INTERCEPT ............... 0.42808

----- OPTIMIZATION RESULTS -----
SIM/OBS TOTAL VOLUME RATIO ........... 0
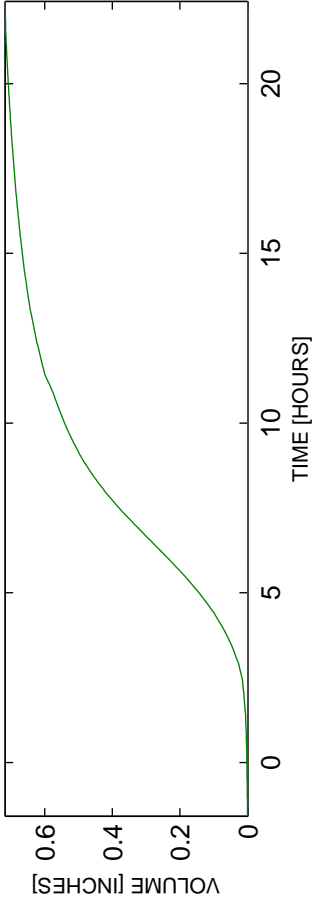MINIMIZED OBJECTIVE FUNCTION VALUE ... NaN
$C_{opt}$ : 1.106   0.051417



LOSS RATE [INCH/5MIN]

$\Phi = |\text{total VOL}_{true} - \text{total VOL}_{est}|$ (none)

**OBS AND MODELED RAINFALL: RAW DATA USED**
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]
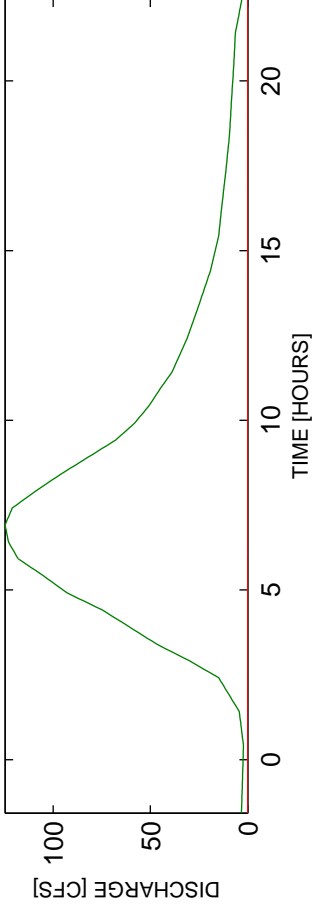
**ACCUMULATED VOLUME RESIDUALS**
$(\text{VOL}_{true} - \text{VOL}_{est})$ [INCHES]
TIME [HOURS]