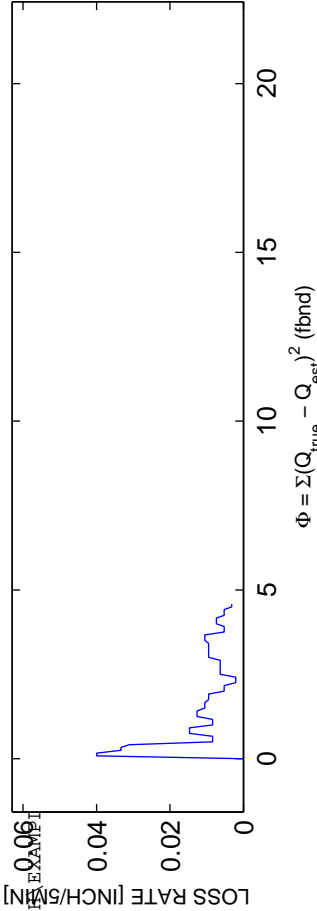


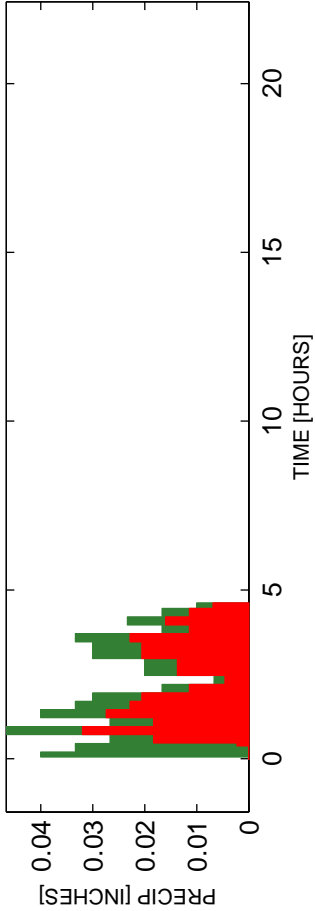
RUN #2

```
STAIID-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] ..... 0.87241
PERCENT RAIN VOLUME LOSS ..... 39.8341
-----
DISCHARGE
-----
MEAN OBS Q [CFS] ..... 37.44
MEAN SIM Q [CFS] ..... 31.0216
RMS Q RESIDUALS [CFS] ..... 13.4912
Q RELATIVE BIAS ..... -0.17143
Q NASH-SUTCLIFFE EFFICIENCY ..... 0.9528
Q SIM vs OBS R^2 ..... 0.96598
Q SIM vs OBS SLOPE ..... 0.9516
Q SIM vs OBS INTERCEPT ..... 7.9199
-----
VOLUME
-----
MEAN OBS V [CFS] ..... 0.8062
MEAN SIM V [CFS] ..... 0.69604
RMS V RESIDUALS [CFS] ..... 0.13118
V RELATIVE BIAS ..... -0.13664
V NASH-SUTCLIFFE EFFICIENCY ..... 0.87571
V SIM vs OBS R^2 ..... 0.98631
V SIM vs OBS SLOPE ..... 1.18
V SIM vs OBS INTERCEPT ..... -0.015145
-----
OPTIMIZATION RESULTS -----
SIM/OBS TOTAL VOLUME RATIO ..... 0.82813
MINIMIZED OBJECTIVE FUNCTION VALUE ..... 52601.8432
C_opt: 0.1767 0.68515
```

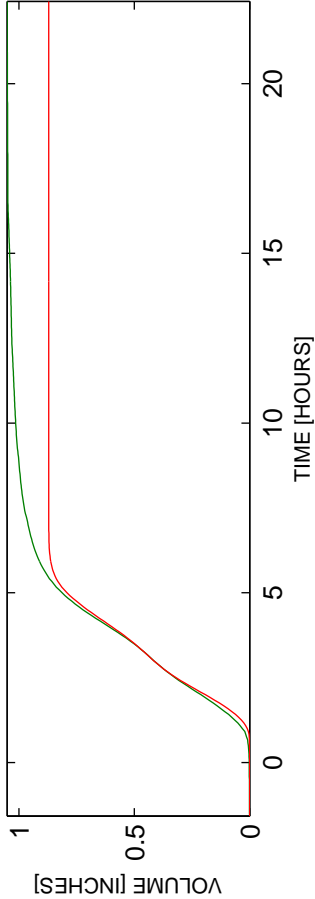
PRECIP LOSS FUNCTION:  $P_{xs}(t)$  = init.abs. then prop.loss



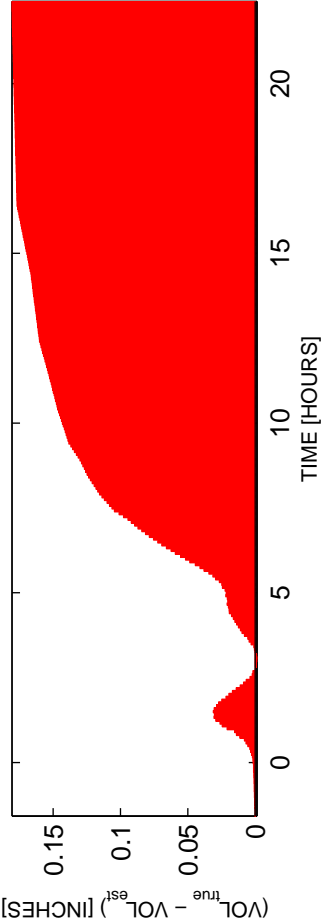
OBS AND MODELED RAINFALL: RAW DATA USED



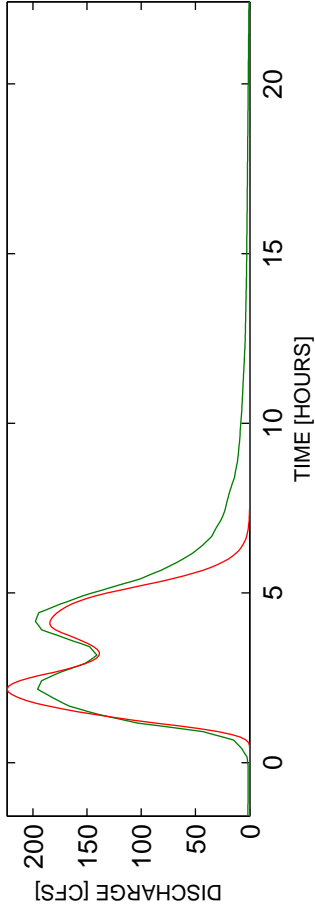
OBS AND ESTIMATED ACCUMULATED VOLUME



ACCUMULATED VOLUME RESIDUALS



OBS AND ESTIMATED DISCHARGES



DISCHARGE RESIDUALS

