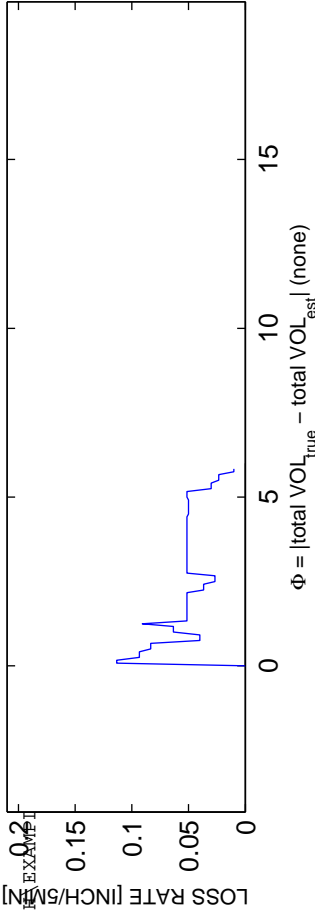


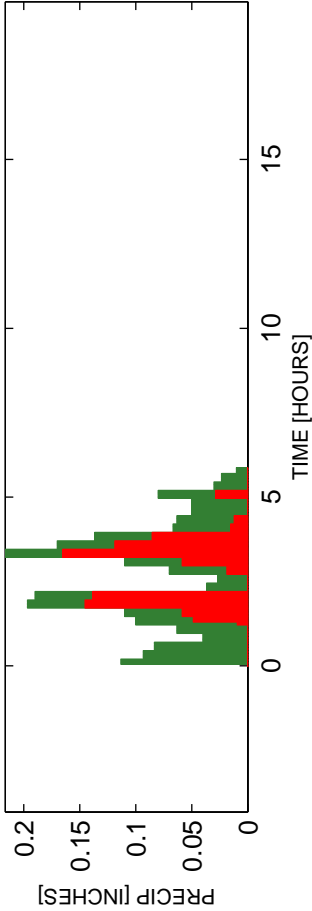
RUN #3

```
STAD-DATE: sta22222222_1968_0709
DATA DIR: d:\jvlabel\SWAP\UNIT\precip_loss_optimization\towEB\BOTEN\EXAMP1
AREA [mi^2] ..... PRECIPITATION ..... 1.94
-----
TOTAL RAIN VOLUME [inches] ..... 6.2667
EXCESS RAIN VOLUME [inches] ..... 2.6397
PERCENT RAIN VOLUME LOSS ..... 57.8779
-----
DISCHARGE
-----
MEAN OBS Q [CFS] ..... 170.2986
MEAN SIM Q [CFS] ..... 136.8517
RMS Q RESIDUALS [CFS] ..... 151.2148
Q RELATIVE BIAS ..... -0.1964
Q NASH-SUTCLIFFE EFFICIENCY ..... 0.67435
Q SIM vs OBS R^2 ..... 0.71588
Q SIM vs OBS SLOPE ..... 0.84098
Q SIM vs OBS INTERCEPT ..... 55.2095
-----
VOLUME
-----
MEAN OBS V [CFS] ..... 1.7867
MEAN SIM V [CFS] ..... 1.601
RMS V RESIDUALS [CFS] ..... 0.41722
V RELATIVE BIAS ..... -0.10395
V NASH-SUTCLIFFE EFFICIENCY ..... 0.91743
V SIM vs OBS R^2 ..... 0.9588
V SIM vs OBS SLOPE ..... 1.1926
V SIM vs OBS INTERCEPT ..... -0.1226
-----
OPTIMIZATION RESULTS -----
SIM/OBS TOTAL VOLUME RATIO ..... 0.80315
MINIMIZED OBJECTIVE FUNCTION VALUE ..... NaN
C_opt: 1.1106 0.051417
```

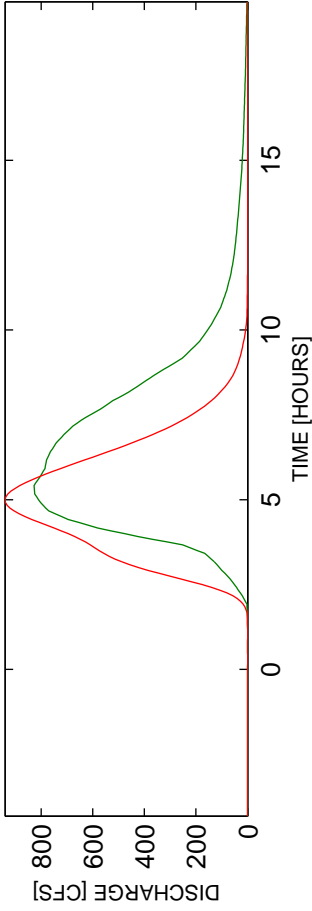
PRECIP LOSS FUNCTION: $P_{xs}(t) = \text{init.abs. then const.loss}$



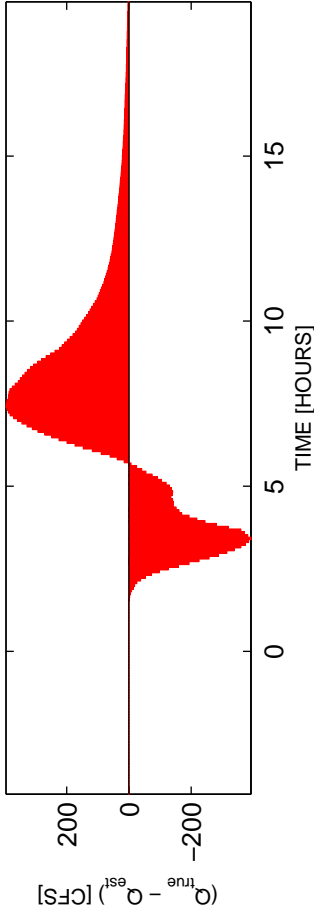
OBS AND MODELED RAINFALL: RAW DATA USED



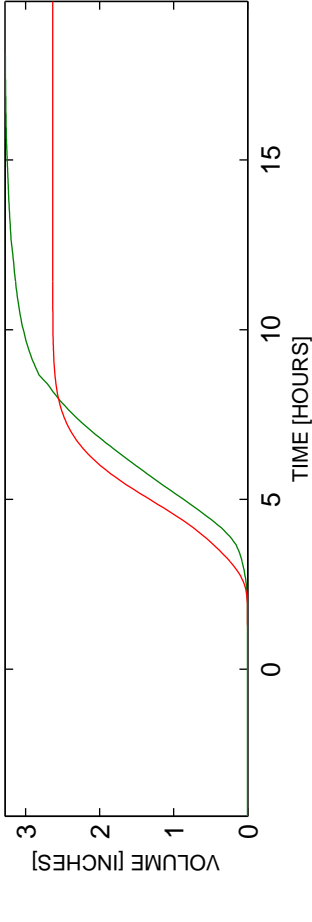
OBS AND ESTIMATED DISCHARGES



DISCHARGE RESIDUALS



OBS AND ESTIMATED ACCUMULATED VOLUME



ACCUMULATED VOLUME RESIDUALS

