**RUN #1**

STAID-DATE: sta11111111_1968_0709
DATA DIR: d:\jvrabel\SWAP\UNIT\precip_loss_optimization\toWEB\BOTHEXAMPL
AREA [$mi^2$] ..... 1.33

---------- PRECIPITATION ----------

TOTAL RAIN VOLUME [inches] ..... 5.8333
EXCESS RAIN VOLUME [inches] ..... 2.4802
PECENT RAIN VOLUME LOSS ..... 57.4817

---------- DISCHARGE ----------

MEAN OBS Q [CFS] ..... 112.4013
MEAN SIM Q [CFS] ..... 88.1938
RMS Q RESIDUALS [CFS] ..... 103.8291
Q RELATIVE BIAS ..... -0.21537
Q NASH-SUTCLIFFE EFFICIENCY ..... 0.68895
Q SIM vs OBS $R^2$ ..... 0.71044
Q SIM vs OBS SLOPE ..... 0.9257
Q SIM vs OBS INTERCEPT ..... 30.7603

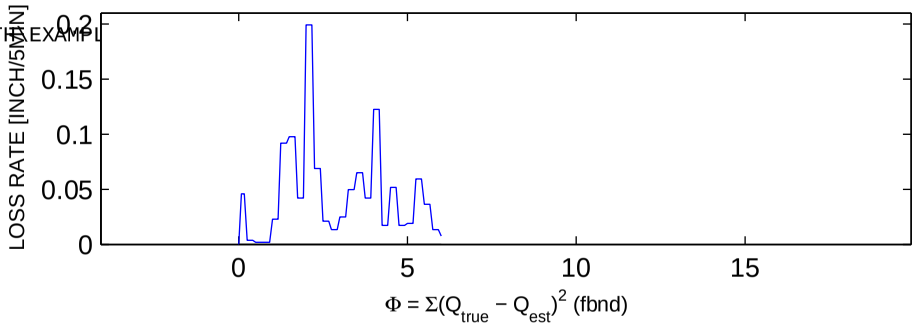
---------- VOLUME ----------

MEAN OBS V [CFS] ..... 1.9698
MEAN SIM V [CFS] ..... 1.6551
RMS V RESIDUALS [CFS] ..... 0.48882
V RELATIVE BIAS ..... -0.15978
V NASH-SUTCLIFFE EFFICIENCY ..... 0.87368
V SIM vs OBS $R^2$ ..... 0.96988
V SIM vs OBS SLOPE ..... 1.27
V SIM vs OBS INTERCEPT ..... -0.13205

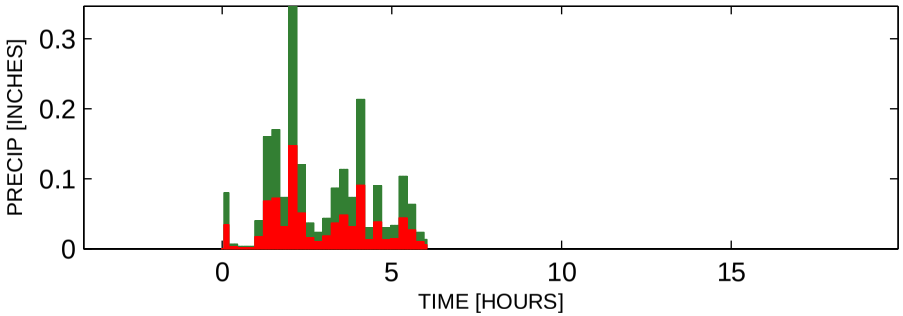
---------- OPTIMIZATION RESULTS ----------

SIM/OBS TOTAL VOLUME RATIO ..... 0.78462
MINIMIZED OBJECTIVE FUNCTION VALUE ..... 3115559.6037
$C_{opt}$: 0.42518

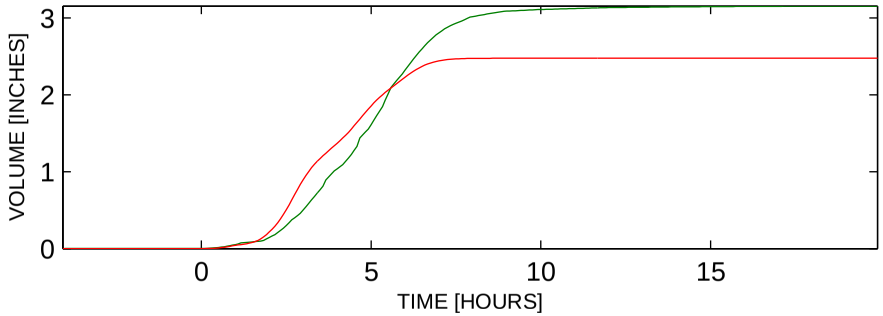
**PRECIP LOSS FUNCTION: $P_{xs}(t) = c_1 P_{tot}(t)$ [0<=$c_1$<= 1]**



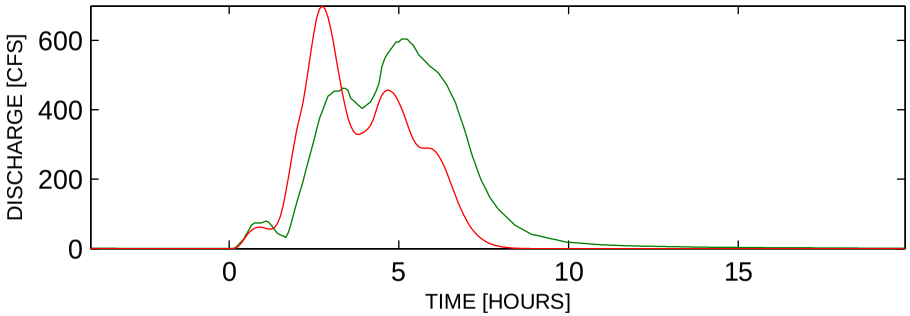

**OBS AND MODELED RAINFALL: RAW DATA USED**



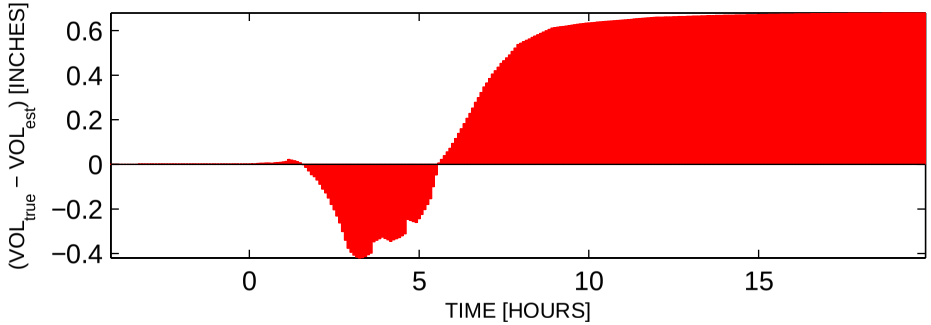

**OBS AND ESTIMATED ACCUMULATED VOLUME**




**OBS AND ESTIMATED DISCHARGES**




**ACCUMULATED VOLUME RESIDUALS**




**DISCHARGE RESIDUALS**