**RUN #4**

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

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

TOTAL RAIN VOLUME [inches] ..... 1.2333
EXCESS RAIN VOLUME [inches] ..... 0.71943
PECENT RAIN VOLUME LOSS ..... 41.668

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

MEAN OBS Q [CFS] ..... 37.3791
MEAN SIM Q [CFS] ..... 37.2984
RMS Q RESIDUALS [CFS] ..... 56.0486
Q RELATIVE BIAS ..... -0.0021573
Q NASH-SUTCLIFFE EFFICIENCY ..... -1.1045
Q SIM vs OBS $R^2$ ..... 0.22069
Q SIM vs OBS SLOPE ..... 0.28982
Q SIM vs OBS INTERCEPT ..... 26.5693

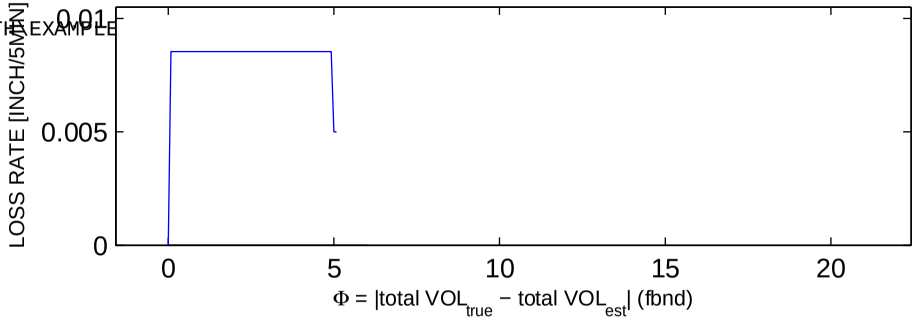
---------- VOLUME ----------

MEAN OBS V [CFS] ..... 0.42808
MEAN SIM V [CFS] ..... 0.54151
RMS V RESIDUALS [CFS] ..... 0.16392
V RELATIVE BIAS ..... 0.26499
V NASH-SUTCLIFFE EFFICIENCY ..... 0.658
V SIM vs OBS $R^2$ ..... 0.82552
V SIM vs OBS SLOPE ..... 0.93693
V SIM vs OBS INTERCEPT ..... -0.079282

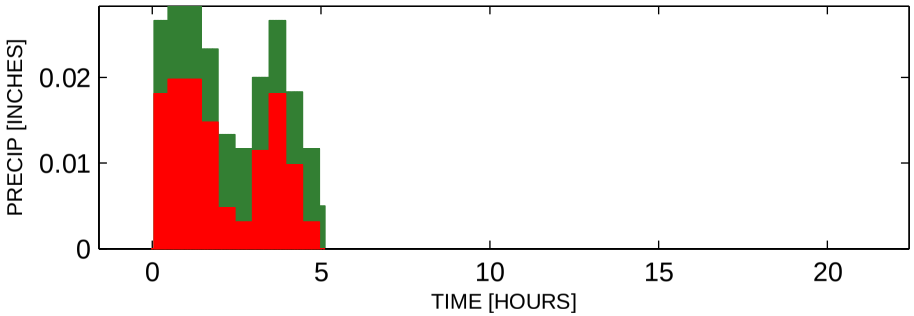
---------- OPTIMIZATION RESULTS ----------

SIM/OBS TOTAL VOLUME RATIO ..... 1
MINIMIZED OBJECTIVE FUNCTION VALUE ..... 1.1795e-006
$C_{opt}$: 0.0085408

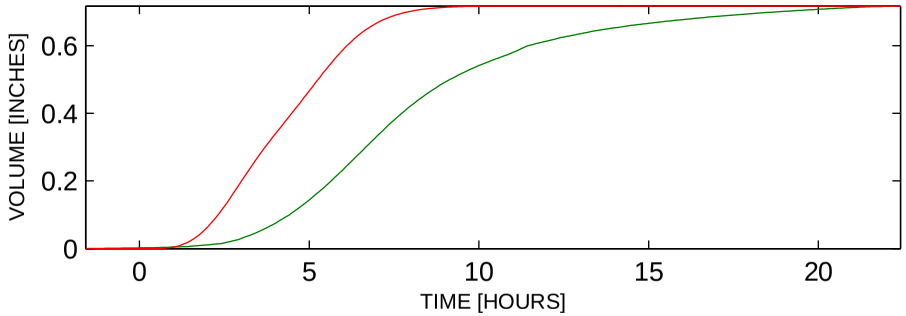
**PRECIP LOSS FUNCTION: L(t) = $c_1$**



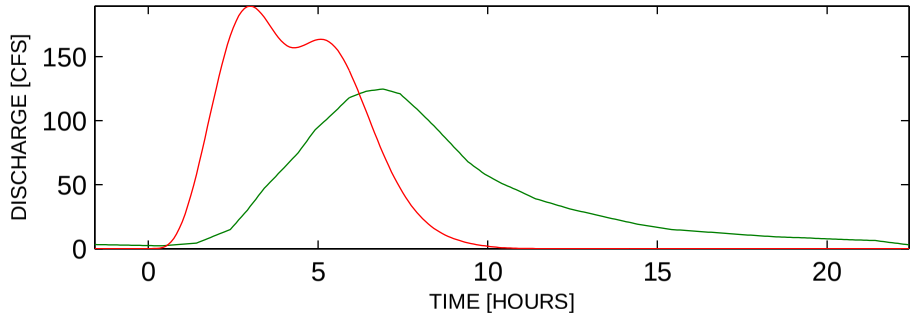

**OBS AND MODELED RAINFALL: RAW DATA USED**



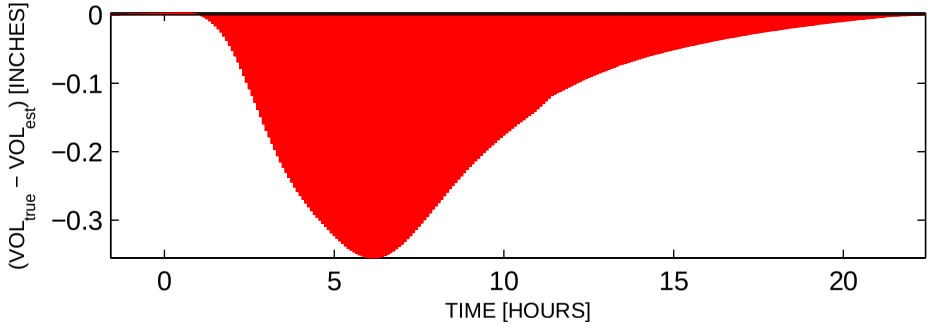

**OBS AND ESTIMATED ACCUMULATED VOLUME**




**OBS AND ESTIMATED DISCHARGES**




**ACCUMULATED VOLUME RESIDUALS**




**DISCHARGE RESIDUALS**