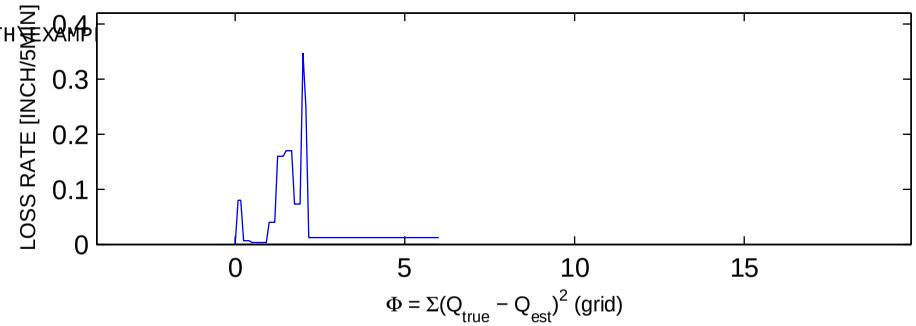
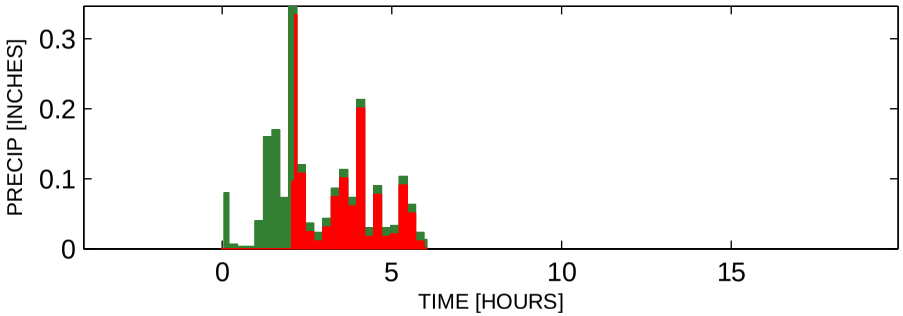
RUN #1

```
STAID-DATE: sta11111111_1968_0709
DATA DIR: d:\jvrabel\SWAP\UNIT\precip_loss_optimization\toWEB\BOTH_EXAMP
AREA [mi^2] ..................................... 1.33
-------------------- PRECIPITATION ----------------------
TOTAL RAIN VOLUME [inches] ..... 5.8333
EXCESS RAIN VOLUME [inches] .... 3.131
PECENT RAIN VOLUME LOSS ........ 46.3263
----------------------- DISCHARGE -------------------------
MEAN OBS Q [CFS] ............... 112.4013
MEAN SIM Q [CFS] ............... 111.3329
RMS Q RESIDUALS [CFS] .......... 90.7653
Q RELATIVE BIAS ................ -0.0095057
Q NASH-SUTCLIFFE EFFICIENCY .... 0.7623
Q SIM vs OBS R^2 ............... 0.88342
Q SIM vs OBS SLOPE ............. 0.72981
Q SIM vs OBS INTERCEPT ......... 31.1498
------------------------ VOLUME ---------------------------
MEAN OBS V [CFS] ............... 1.9698
MEAN SIM V [CFS] ............... 1.9901
RMS V RESIDUALS [CFS] .......... 0.12583
V RELATIVE BIAS ................ 0.010301
V NASH-SUTCLIFFE EFFICIENCY .... 0.99163
V SIM vs OBS R^2 ............... 0.99257
V SIM vs OBS SLOPE ............. 0.97375
V SIM vs OBS INTERCEPT ......... 0.031953
----------------- OPTIMIZATION RESULTS --------------------
SIM/OBS TOTAL VOLUME RATIO ..... 0.99047
MINIMIZED OBJECTIVE FUNCTION VALUE ..... 2380878.3294
C_opt: 2.1147    0.012244
```

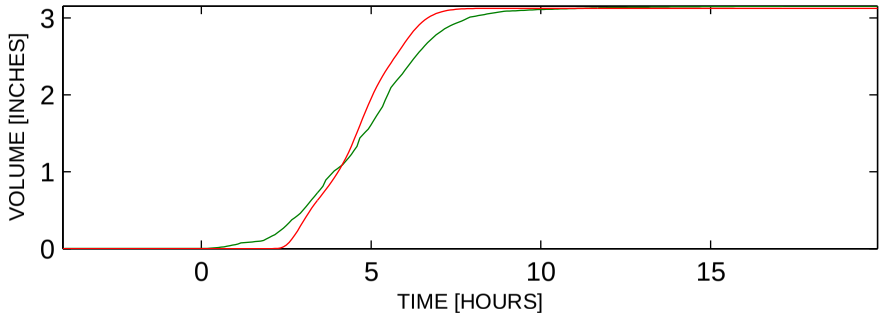
PRECIP LOSS FUNCTION: $P_{xs}(t)$ = init.abs. then const.loss



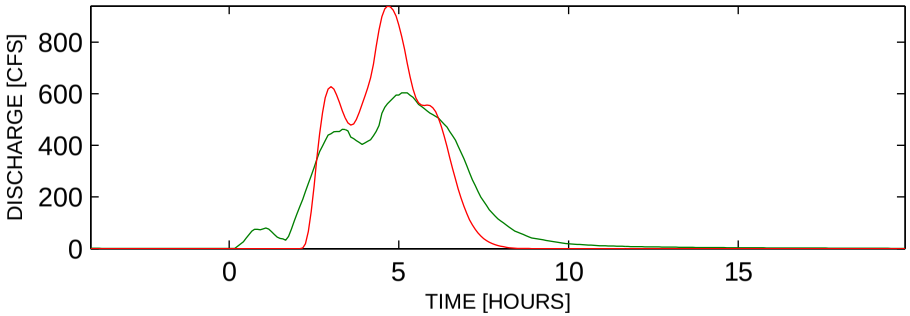
OBS AND MODELED RAINFALL: RAW DATA USED



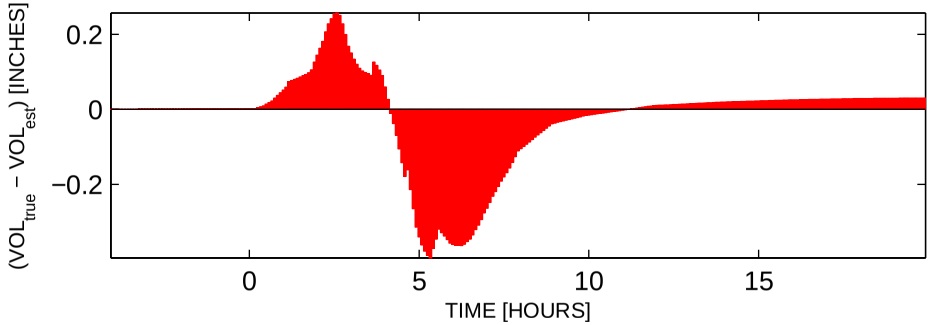
OBS AND ESTIMATED ACCUMULATED VOLUME



OBS AND ESTIMATED DISCHARGES



ACCUMULATED VOLUME RESIDUALS



DISCHARGE RESIDUALS