```
EROM QA Report For:     VPU = 20   Runid = 0001
ETFRACT1 = 0.3   ETFRACT2 = 0.5
Gage Sequestration Proportion = 0.2
See Page 3 for a brief explanation of the values in the tables.


N = Number of Gages
Qbar = Log10 Mean Flow (cfs)
SEE = Standard Error of the Estimate in percent;
     2/3 of the Flow Estimates will have errors that are within one SEE


Table 1: Statistics For All Gages:
                 Gage       Runoff            Excess ET        RefGage Reg       PlusFlowAR
Period     N     Qbar       Qbar      SEE      Qbar     SEE      Qbar     SEE      Qbar     SEE
  MA   |   73 | 1.1181 | 1.1948 | 120.51 | 1.1948 | 120.51 | 1.1948 | 120.51 | 1.1948 | 120.51 |
  JAN  |
  FEB  |
  MAR  |
  APR  |
  MAY  |
  JUN  |
  JUL  |
  AUG  |
  SEP  |
  OCT  |
  NOV  |
  DEC  |


Table 2: Statistics For Sequestered Gages:
                 Gage      Seq. Gages
Period     N     Qbar      Qbar      SEE
  MA   |   15 | 0.9893 | 1.0585 | 83.738 |
  JAN  |
  FEB  |
  MAR  |
  APR  |
  MAY  |
  JUN  |
  JUL  |
  AUG  |
  SEP  |
  OCT  |
  NOV  |
  DEC  |
```

Page 1

Table 3: Statistics For Reference Gages:

Period	N	Gage Qbar	Runoff Qbar	SEE	Excess ET Qbar	SEE	RefGage Reg Qbar	SEE	PlusFlowAR Qbar	SEE
MA	21	1.2299	1.0657	81.123	1.0657	81.123	1.0657	81.123	1.0657	81.123
JAN										
FEB										
MAR										
APR										
MAY										
JUN										
JUL										
AUG										
SEP										
OCT										
NOV										
DEC										

Table 4: Reference Gage Log-Log Regression Statistics:

Period	N	a	b	BCF	R2	SER
MA	21	0.1024	1.0580	1.1857	0.7143	0.2739
JAN						
FEB						
MAR						
APR						
MAY						
JUN						
JUL						
AUG						
SEP						
OCT						
NOV						
DEC						

N = Number of Reference Gages
a , b = regression coefficients; BCF = Bias Correction
R2 = R-Squared of the regression; SER = Standard Error of the Regression

Summary of contents of the QA Report:

Two statistics are used for measuring how well the different flow estimates performed in relation to the gage flows:
1. The log10 mean gage flow as compared to the log10 mean flow estimates at the gages.
2. The Standard Error of the Estimate (SEE) in percent; 2/3 of the flow estimates will be within one SEE.

Six flow values are calculated in EROM:
A - Cumulative runoff based on the runoff grids
B - The application of Excess ET to the cumulative runoff
C - The flow adjustments from the Reference Gage Regression
D - The application of the PlusFlowAR additions and removals
E - Gage adjustment, in which the flows at the gage and a distance upstream are adjusted to match the
     actual gage flow. Statistics for this flow are not presented because all gages are adjusted,
     therefore the statistics would perfectly match the gage values.
F - The gage adjustment statistics with a randomly selected proportion of the gages removed (typically 0.2);
     this process is referred to as Gage Sequestering. The Gage Sequestering provides a method to estimate
     the accuracy of the flows after the gage adjustment.

There are four tables in the EROM QA Report:
Table 1 reports statistics for all gages for flows A, B, C, and D described above.
Table 2 reports the statistics for only the sequestered gages from the sixth flow estimate
Table 3 reports the statistics for the Reference gages.
Table 4 presents the statistics used in the Reference Gage Regression step;
          these values are the log-log regression coefficients
          and the associated R2 and Standard Error of the Regression.

The tables report values for Mean Annual (MA) and each month that has been run.

See the NHDPlus User Guide for more information