Courtesy of Brian Egleston:

-the xtsumcorr output is simply repackaged ANOVA output. See below:

XTSUMCORR OUTPUT

```
   . xtsumcorr sqrtAFCR

Variable                  |     Mean   | Std. Dev.   |     Min   |     Max  |     Observations
--------------------------+-------------+-------------+-----------+-----------+---------------------
sqrtAFCR overall         |  11.40201   |  2.581871   |         2 |    18.7  |     N =     847
   between                |             |  1.729903   |         7 |    15.05 |     n =     150
   within                 |             |  1.927405   |  6.102007 | 17.48534 | T-bar = 5.64667
   corr. between          |             |  1.468682   |           |           |                     |
   corr. within           |             |  2.123449   |           |           |                     |
   rho                    |             |     0.3236  |           |           | (betw. fract. of total) |
```

ANOVA OUTPUT

```
   . anova sqrtAFCR id

Number of obs =     847     R-squared     =  0.4427
Root MSE      = 2.12345     Adj R-squared =  0.3236

Source | Partial SS    | df | MS    | F     | Prob > F
--------+---------------+----+-------+-------+-----------
Model   |  2496.69009   | 149 |  16.7563094 |  3.72 |  0.0000
      id |  2496.69009   | 149 |  16.7563094 |  3.72 |  0.0000
Residual |  3142.79647  | 697 |  4.50903367 |      |           
--------+---------------+----+-------+-------+-----------
Total   |  5639.48656   | 846 |  6.66605976 |      |           

WITHIN VARIANCE
   . di 4.50903367 ^.5
2.1234485

BETWEEN VARIANCE
   . di (6.66605976 - 4.50903367 )^.5
1.4686818