

## **Appendix: Details of the Data from the Counties**

**Disclaimer:** The following has been produced by a combination of automatic methods (programs) and a scan by eye of the relevant files. There are almost certainly some errors. We hope that the errors would be minor. We have also not (yet) run programs against all this data to check the manual adjustments to the vote counts. Because of this, we may not have accounted for some manual adjustments that correct for problems that occurred in the electronic system.

Nonetheless, we believe this summary is substantially correct and supports the main points of our conclusions.

We have marked in red, and/or with larger type, those items we feel are serious enough to be looked at much more carefully. We acknowledge that there are likely to be some problems in any election regardless of how carefully conducted. The items indicated in red or with larger type include such things as votes not being collected/counted from an iVotronic terminal and votes being miscounted due to misconfigured ballots.

## Abbeville County

### Data

All data is from the SCSEC.

We have 30A, 45A, 68, 68A, 152, and 155 files for 11/2/2010.

The 68 file is only a listing of information as of 10/26 (we assume 2010) and has no manual updates logged for the 11/2/2010 election.

However, the 68A file reports that results corrections log information was printed to the EL68.LST file on 1/7/2011, and that update information is not in the 68 file provided to SCSEC.

The 68A file shows collecting data on 10/26 and resetting the database on 10/29. The 68A file shows collecting all the data from the PEBs for the entire county at 7:27pm on 11/2/2010.

The 68A file shows collecting audit data from the CF cards on 11/9/2010.

### Analysis and Reconciliation

The LWVSC program shows that all memory cards were accounted for. There is a vote image file for 7196 votes, and the 152 file has 7196 "Vote cast..." events logged.

## Aiken County

### Data

All data is from the SCSEC.

We have 30A, 45A, 68, 68A, 152, and 155 files for 11/2/2010.

The 68 file shows zero counts on 10/24 and then shows updates made on 11/2 and 11/5.

The 68A file shows collecting data on 10/24 and resetting the database on 11/2 at 6:46pm

The 68A file shows collecting data from the CF cards and the PEBs on 11/2 and 11/3.

The file shows a failure to collect data from V5133035 (used in Pct 73).

The file shows an invalid ballot database version in V5136360 (Pct 14).

The file shows a failure (twice) to collect data from V5119817 (Pct 7).

The file shows (twice) an invalid ballot database version in V5124236 (Pct 37).

The file shows an invalid ballot database version in V5135421 (Pct 27).

The file shows an invalid ballot database version in V5136647 (Pct 12).

Data was collected later for all but one of these. Data had been collected earlier for one of these.

The 68A file shows collection of CF card data on 3/31/2011 from two cards.

### Analysis and Reconciliation

The certified count is a total of 49638 votes cast.

The 152 file has 47341 "Vote cast" events.

The 155 file has 47585 votes.

Terminal V5140458 with 135 votes is in the 155 file but not the 152 file.

Question: is there data for 109 additional votes for which no 152 data exists?

## Allendale County

### Data

All data is from the SCSEC.

We have 30A, 45A, 68, 68A, 152, and 155 files for 11/2/2010.

The 68 file shows zero counts on 10/24 and no manual updates.

The 68A file shows collecting data on 10/27 and resetting the database on 11/2 at 3:05pm.

The 68A file shows complete collection of data from the PEBs by 7:22pm on 11/2/2010.

The 68A file shows collecting CF card data on 11/09.

### Analysis and Reconciliation

The certified count is of 2612 ballots cast. There are 2492 "Vote cast" events and 2492 votes in the 155 file, with 119 additional absentee votes certified. The discrepancy is one vote. There were 2 failsafe ballots and 1 provisional vote.

## Anderson County

### Data

We have, from the SCSEC, 30A, 45A, 68, 68A, 152, and 155 files for 11/2/2010.

We have our own data comprising 68, 68A, 152, and 155 files for 11/2/2010.

The 68 files are identical except for log messages reflecting the output of the data at different times. The SCSEC 155 file does not include any of the 750+ precinct data; our own data includes the 750+ data from the iVotronics. The 152 files appear to be the same but this cannot be determined without running a program. Since these files are printer output, and since the iVotronic and PEB numbers are not repeated in every line, it is not possible except with a program to verify that the content is the same.

Indeed, the 152 files differ in that terminal 5130310 appears in our 152 file but not in the file published by the SCSEC.

The 68A shows collecting data beginning on 9/24 and continuing through 1 to 11/02 and beyond. There is no "DATABASE RESET" line in the 68A log.

Data is reported as being collected beginning at 1:45pm on 11/02 from V5123529, precinct 0009. This machine was in use in that precinct on 11/02 and its timestamp records votes after 7pm on 11/2/2010. The log shows that the precinct data was reset at 2:10pm on 11/2/2010 and audit data was cleared. Further accumulation of data did not take place until 6:30pm on 11/2/2010.

The 68A file shows most CF card audit data being collected on 11/3/2010. Six cards were collected on 11/15/2010.

### Analysis and Reconciliation

The certified count is of 50678 votes.

The SCSEC 152 file has 48533 "Vote cast" events.

Our 152 file has 48537 "Vote cast" events.

The SCSEC 155 file has 45967 vote images.

Our 155 file has 48533 vote images. The 45967 to 48533 difference is in the 750+ precinct data that we have that the SCSEC does not include.

There are 4 votes missing from the vote image data for Chiquola Mill, Precinct 0020. This might well be terminal 5130310 that appears in our 152 file but not in that of the SCSEC, and which has four "Vote cast" events in the 152 file. This also accounts for the difference in the 152 "Vote cast" counts for the two files.

## Bamberg County

### Data

All data is from the SCSEC.

We have 30A, 68, 68A, 152, and 155 files for 11/2/2010.

The 68A file shows clearing on 10/27 and resetting the database on 11/01.

The CF audit data was collected on 11/3 and 11/4.

### Analysis and Reconciliation

The certified count was 4894 votes cast. The 152 file has 4704 "Vote cast" events. The 155 file has 4704 vote images. The count of absentee votes images is 128 less than the certified count; we assume the 128 were paper ballots. This leaves 62 votes unaccounted for. There are 59 votes missing from the 155 file in PCT 0001, 1 in PCT 11, and 2 in PCT 13. This totals to 62. The 68 file has one vote added manually in PCT 11 and 2 in PCT 13. The PEB total for PCT 001 included the 59 votes from the terminal or terminals whose data was not collected.

## Barnwell County

### Data

We have data for both primaries and for the general election that we requested from Barnwell County. We have 68, 68A, 152, and 155 files.

The SCSEC has posted 68, 68A, 152, and 155 files.

The SCSEC 152 and 155 files match the files we obtained.

The SCSEC 68 and 68A files have no information in them. The 68 file is just the printer header. The 68 file we have contains data similar to what we see from other counties.

The 68A file records accessing the database in February, March, and April of 2011 but has no data from the actual election.

The 68A files we obtained appear to have the complete log record of the summer primaries, but we do not have data from the 11/2/2010 election.

### Analysis and Reconciliation

The certified count was 7047 total votes. The 152 file has 6440 "Vote cast" events. This matches the 6440 vote images that we have in the 155 file.

The 155 and 152 files are missing data for 354 votes in four precincts. The difference in the absentee precinct is 276 votes, and there were 23 failsafe votes not certified.  $6440+354+276-23 = 7047$ .

## Beaufort County

### Data

We have data from the SCSEC and we have our own data. The SCSEC published the 30A and 45A files that we did not have. We also have data from the first primary on 6/8/2010.

The 68 file appears to have the expected information.

The 68A file shows clearing the system in October 2010 and resetting the database at 3:13pm on 11/2/2010.

The 68A file shows terminals not closed in precincts 133, 163, 170, 209, 210, 211, 227, 353, and 354.

The 68A file shows CF card audit data collected on 3/28/2011.

**The 68A file shows an incorrect ballot configuration in PCT 0307. This resulted in incorrect counts in that precinct for several contests “down” on the ballot.**

### Analysis and Reconciliation

There were 51926 votes certified.

The 152 file shows 47069 “Vote cast” events.

The 155 file shows 47088 vote images.

There were 3694 absentee votes not in the vote image file that would be assumed to be paper ballots.

The 155 file is missing 1096 vote images from eight precincts.



## Berkeley County

### Data

We have data from the SCSEC including 30A, 45A, 68, 68A, 152, and 155 files.

We have data we have obtained including 68, 68A, 152, and 155 files.

The 68A file shows clearing the system and resetting the database at 6:14pm on 11/2/2010.

The 68A file shows terminals not closed in precincts 0020 and 0042.

The 68A file shows CF card audit data being collected on 11/8/2010

The 68A file shows an invalid ballot database version in V5129920 (PCT 0011).

### Analysis and Reconciliation

There were 43648 certified votes.

The SCSEC 152 file has 41167 "Vote cast" events.

Our 152 file has 41161 "Vote cast" events.

The 155 files agree and have 41161 vote images.

The 152 files differ in that the SCSEC file has data for terminal 5129920, which collected 6 votes. (There are 6 votes unaccounted for in PCT 0850.)

There were 2357 absentee votes certified that can be assumed to be paper ballots.

## Calhoun County

### Data

All data is from the SCSEC.

We have 30A, 45A, 68, 68A, 152, and 155 files for 11/2/2010.

The 68A file shows collecting data on 11/04, then resetting the database immediately and beginning again to collect data.

The 68A file shows collecting data from the PEBs on 11/4/2010.

**There is no record of any actions prior to 11/4/2010.**

The 68A file shows collecting audit data from the CF cards on 11/4/2010, with an additional card on 11/5/2010 and two more on 4/7/2011.

### Analysis and Reconciliation

There were 5941 certified votes.

The 152 file has 5572 "Vote cast" events.

The 155 file has 5572 vote images.

There were 363 absentee votes probably cast on paper and 6 failsafe votes for which there is no vote image documentation.

$5572+363+6 = 5941$

## Charleston County

### Data

The SCSEC has 152 and 155 files.

We obtained 68, 68A, 152, and 155 files.

We obtained 155 files twice from the county. In both cases the files contained about 10% of the vote images. The SCSEC file contains about 75% of the vote images.

The 68A file shows that PCT 0337 had a misconfigured ballot. There are manual adjustments in PCT 0337.

The 68A file shows clearing and resetting the database on 11/1/2010.

The 68A file shows collecting data from the PEBs beginning at 6:42pm on 11/2/2010

The 68A shows a terminal not closed in PCT 0204, 0463, 0603, 0618, 0750

The 68A file shows collecting CF card audit data on 11/10/2010 and again on 11/12/2010, and invalid ballot database versions in V5103830, V5108828, V5121927, V5129074, V5131788, V5133001, V5139264, V5139423, V5139857

### Analysis and Reconciliation

There were 104087 certified votes.

There are 83009 "Vote cast" events in one of our 152 files.

There are NO "Vote cast" events with expanded labels in the SCSEC 152 file. There are 3504 events with code 0001510. This is the event code whose message is usually expanded to "Vote cast by voter".

Our 155 file has 10538 vote images.

The SCSEC 155 file has 75991 vote images.

There are approximately 30000 vote images missing from the SCSEC file.

## Cherokee County

### Data

All the data we have is from the SCSEC.

The SCSEC has 30A, 45A, 68, 68A, 152, and 155 files.

The 68 file shows no manual adjustments but the 68A file shows upload of optical scan counts.

The 68A file shows collecting data in September and October, resetting the database at 3:01pm on 11/2/2010, and collecting data beginning at 6:38pm on 11/2/2010. Data collection from the PEBs is completed at 7:35pm on 11/2/2010.

The 68A file shows terminals not closed in PCT 0032.

The 68A file shows CF card audit data collected on 11/3/2010.

### Analysis and Reconciliation

There were 14514 certified votes.

There are 14146 "Vote cast" events in the 152 file.

There are 14146 vote images in the 155 file.

There are 353 presumed paper absentee ballots.

There were 15 failsafe/provisional ballots.

$14146 + 353 + 15 = 14514$

## Chester County

### Data

All the data we have is from the SCSEC.

The SCSEC has 30A, 45A, 68, 68A, 152, and 155 files.

The 68 file shows manual adjustments.

The 68A file shows clearing and resetting the database at 6:54pm 11/2/2010. PEB data is collected beginning at 7:32pm 11/2/2010.

The 68A file shows a terminal not closed PCT 0022.

The 68A file shows CF card audit data collected on 3/31/2011.

### Analysis and Reconciliation

There were 9593 certified votes.

There are 9245 "Vote cast" events in the 152 file.

There are 9245 vote images in the 155 file.

The 155 file shows 5 missing vote images from PCT 0031.

The 155 file shows 343 probable paper absentee ballots.

$9245+343+5 = 9593$

## Chesterfield County

### Data

All the data we have is from the SCSEC.

The SCSEC has 30A, 45A, 68, 68A, 152, and 155 files.

The 68 file shows manual adjustments but these are dated 10/27 and 10/28. The 68A file shows upload of optical scan counts.

The 68A file shows collecting data in late October and then resetting the database on 10/28/2010. PEB data is collected beginning at 6:11pm 11/2/2010. The absentee precincts and five more precincts are collected by 7:00pm and then the remaining data is collected, finishing at 7:37pm on 11/2/2010.

The 68A file shows a terminal not closed PCT 0004.

The 68A file shows CF card audit data collected on 11/4/2010.

The 68A file shows two additional CF cards had data collected on 4/7/2011.

### Analysis and Reconciliation

There were 11321 certified votes.

There are 11004 "Vote cast" events in the 152 file.

There are 11004 vote images in the 155 file.

The 155 file shows 5 missing vote images from PCT 0031.

The 155 file shows 317 probable paper absentee ballots.

Data is not present for the failsafe and provisional ballots.

$11004 + 317 + 5 = 11321$

## Clarendon County

### Data

All the data we have is from the SCSEC.

The SCSEC has 152 and 155 files but no 30A, 45A, 68, or 68A files.

The 155 file is entirely missing the data from 6 precincts totaling 1920 votes.

### Analysis and Reconciliation

There were 11478 certified votes.

There are 8641 "Vote cast" events in the 152 file.

There are 8641 vote images in the 155 file.

The 155 file shows 6 missing vote images from PCT 0850.

The 155 file shows 831 probable paper absentee ballots.

The 155 file is missing 1920 vote images from 6 precincts.

There were 80 failsafe and provisional ballots.

$8641+831+1920+80 = 11478$

## Colleton County

### Data

The SCSEC has published 30A, 45, 68, 68A, 152, and 155 files. We have several versions of the 155 file.

The 155 file provided by the SCSEC has data for 90 terminals. The 155 file we obtained has data for 96 terminals. The two files are missing different sets of terminals, but when combined they contain data for 103 terminals. There were 104 terminals used on 11/2/2010. One terminal recorded no votes, and the combined data file in our possession has the same data as was certified for the non-absentee precincts, so we believe our combined data file is correct.

### Analysis and Reconciliation

The problems in Colleton County have been extensively documented and we will not attempt here to do a detailed reconciliation. That can be done, but it is very detailed.

By combining our file from Colleton County with the SCSEC file we obtain a file with 11059 vote images, and the totals match the totals on the SCSEC website.

There was an incorrect number of certified votes. The incorrect number came from miscounting the paper absentee ballots. This comes from confusing "replacement" mode with "increment mode" in the manual adjustment, something that is easy to do (the Operator's Manual shows the two screens to be nearly identical with little to distinguish one from the other, and this problem has occurred in other states as well). For example, instead of adding 2 votes for Haley to 203 already present, the system doubled the 203 to 406 and then added 2 to get a total of 408.



## Darlington County

### Data

All the data we have is from the SCSEC.

The SCSEC has 30A, 45A, 68, 68A, 152, and 155 files.

The 68 file shows manual adjustments.

The 68A file shows clearing and resetting the database at 4:42pm 11/2/2010. More PEB data is collected and then the database is reset at 5:52pm, at 5:58pm, 6:08pm, 6:33pm, at 6:36pm on 11/2/2010.

The 68A file shows PEB data collected beginning at 7:54pm 11/2/2010.

The 68A file shows CF card audit data collected on 11/3/2010

### Analysis and Reconciliation

There were 21667 certified votes.

There are 18830 "Vote cast" events in the 152 file.

There are 18830 vote images in the 155 file.

There is no electronic data for any of the 2665 absentee votes.

The 155 file is missing 118 vote images from precinct 0027.

**There is one uncounted vote from terminal 5132917. This vote was cast on 9/25/2010. The 152 file shows that all activity for this terminal occurred on 9/25/2010.**

There were 80 failsafe and provisional ballots.

$18830+2665+118-1 = 21167$

## Dillon County

### Data

All the data we have is from the SCSEC.

The SCSEC has 30A, 45A, 68, 68A, 152, and 155 files.

The 68 file shows manual adjustments.

The 68A file shows database creation at 7:53pm 11/2/2010 but no events earlier than this.

The 68A file shows PEB data collected beginning at 7:59pm 11/2/2010.

The 68A file shows CF card audit data collected on 11/4/2010

### Analysis and Reconciliation

There were 7973 certified votes.

There are 7371 "Vote cast" events in the 152 file.

There are 7371 vote images in the 155 file.

There were 602 presumed paper absentee ballots.

The 155 file is missing 118 vote images from precinct 0027.

$7371+602 = 7973$

## Dorchester County

### Data

All the data we have is from the SCSEC.

The SCSEC has 30A, 45A, 68, 68A, 152, and 155 files.

The 68 file shows manual adjustments.

The 68A file shows PEB data collected beginning at 12:26pm 11/2/2010, two resettings that day, and then data being collected from PEBs beginning at 3:26pm on 11/2/2010.

The 68A file shows terminals not closed in PCT 0026, 0050, 0077, 0081

The 68A file shows CF card audit data collected on 11/4/2010 from one card. Data was collected (again?) on 3/17/2011.

The message "less cards than results" appears for PCT 0027. The 68 file appears to show manually entering all the counts for this precinct.

### Analysis and Reconciliation

There were 36393 certified votes.

There are 31153 "Vote cast" events in the 152 file.

There are 31153 vote images in the 155 file.

There is no electronic data for any of the 3539 absentee ballots.

There are 160 emergency, failsafe, and provisional votes.

Ashley-River and Spann precincts are entirely missing from the 155 file, for a total of 1259 vote images unavailable.

Seven additional precincts are missing vote image data for a total of 443 ballots.

**There are 161 votes from terminal 5129340 in precinct 0025 (Rosinville) that appear not to have been counted.**

$31153+3539+1259+443+160-161= 36393$

## Edgefield County

### Data

All the data we have is from the SCSEC.

The SCSEC has 152 and 155 files but no 30A, 45A, 68, 68A files.

### Analysis and Reconciliation

There were 8303 certified votes.

There are 7878 "Vote cast" events in the 152 file.

There are 7215 vote images in the 155 file.

(Perhaps the difference is the electronic 152 data for the absentee votes.)

There is no electronic data for any of the 1087 absentee ballots.

There is 1 failsafe vote.

$7215+1087+1= 8303$

## Fairfield County

### Data

All the data we have is from the SCSEC.

The SCSEC originally published 30A, 45A, 68, 68A, 152 and 155 files.

The 68 file shows manual adjustments.

The 68A file shows resetting the database on 10/28/2011, collecting PEB data for PCT 0750 at 8:06pm on 11/2/2010, a database reset at 8:08pm on 11/2/2010, and then collection of data from the PEBs

On 8/11/2011 Chris Whitmire sent an email saying "FYI - Fairfield audit data has been updated to replace a bad EL155 file."

The 68A file shows a terminal not closed in PCT 0020.

The 68A file shows CF card audit data collected on 11/4/2010. Two additional CF cards had data collected on 4/1/2011.

### Analysis and Reconciliation

There were 9032 certified votes.

There are 8632 "Vote cast" events in the 152 file.

There are 8632 vote images in the ORIGINAL 155 file.

There are 368 presumed paper absentee ballots from the ORIGINAL 155 file.

There are 6 failsafe votes with no vote image data.

There are 24 votes in PCT 0006 with no vote image data.

There are 3 failsafe and provision ballots.

**There is 1 vote cast on 10/25/2010 on 5123706 (PCT 0016) that is uncounted.**

$8632+368+27+6-1=9032$

There are 8309 vote images in the first updated 155 file.

The vote image file from 5134355, PCT 0006, 23 votes, that was present in the original file is now missing in the first updated 155 file. Vote image data for this precinct is now entirely missing from the 155 file.

The vote image file from 5135976, PCT 0750, 297 votes, that was present in the original file is missing in the first updated 155 file.

The vote image file from 5135976, PCT 0850, 3 votes, that was present in the original file is missing in the first updated 155 file.

A second update has returned the data to the original posted data, but is now split into two files instead of one.

## Florence County

### Data

The SCSEC has published 30A, 68, and 155 files for 11/2/2010.

We have also obtained data. Our 155 is lacking some data that must have been obtained later by the SCSEC. We have, however, a 152 file and a 68A file dated 1/26/2011.

The 68 file shows updates made to the 11/2/2010 initial data.

The 68A file shows resetting the database on 11/1 at 5:08pm

The 68A file shows collecting data from the CF cards on 11/9 and 11/3.

The file shows an invalid ballot database version in V5138791.

### Analysis and Reconciliation

The certified count is a total of 42287 votes cast.

The 152 file has 39387 "Vote cast" events.

The SCSEC 155 file has 35908 vote images.

Our 155 file has 29668 vote images.

The SCSEC 155 file is missing 833 votes from 2 precincts.

Our 155 file is missing 714 votes from 1 precinct (this is 714 of the 833 missing from the SCSEC file).

Our 155 file is entirely missing vote image data for ten precincts.

There is no electronic data for any of the 5471 absentee votes.

There are 75 emergency, failsafe, and provisional ballots.

$35908+5471+833+75=42287$

## Georgetown County

### Data

The SCSEC has published 30A, 45A, 68, 68A, 152, and 155 files.

We have obtained identical 152 and 155 files.

The 68 file shows manual adjustments.

The 68A file shows resetting the database at 4:27pm on 11/2/2010.

The 68A file shows collecting data from the PEBs beginning at 5:36pm on 11/2/2010.

The 68A file shows CF card audit data collected on 11/23/2010 and 11/24/2010.

### Analysis and Reconciliation

There were 21527 certified votes.

There are 20296 "Vote cast" events in the 152 file.

There are 20296 vote images in the 155 file.

There are 1165 presumed paper absentee ballots.

There are 66 emergency and provisional ballots.

There were 91 failsafe ballots.

$20296+1165+66=21527$

## Greenville County

### Data

The SCSEC has published 30A, 45A, 68, 68A, 152, and 155 files.

We have obtained identical 68, 68A, 152 and 155 files.

The 68 file is empty except for a printer header. The paper votes are shown as uploaded in the 68A file.

The 68A file shows resetting the database at 5:05pm on 11/2/2010.

The 68A file shows collecting data from the PEBs and from CF cards beginning at 5:08pm on 11/2/2010.

The 68A file shows CF card audit data collected on 11/23/2010 and 11/24/2010.

Further CF audit data was collected on 11/4/2010 through 11/8/2010.

The 68A file shows terminals not closed in PCT 0237, 0270, 0289.

### Analysis and Reconciliation

There were 134824 certified votes.

There are 130062 "Vote cast" events in the 152 file.

There are 130062 vote images in the 155 file.

There are 4152 presumed paper absentee ballots.

There are 66 emergency and provisional ballots.

There were 582 failsafe/provisional ballots.

There were 28 provisional ballots

$130062+4152+582+28=134824$



## Greenwood County

### Data

The SCSEC has published 30A, 45A, 68, 68A, 152, and 155 files.

The 68 file shows manual adjustments.

The 68A file shows resetting the database 11/1/2010.

The 68A file shows collecting data from the PEBs and from CF cards beginning at 6:04pm on 11/2/2010.

The 68A file shows CF card audit data collected on 11/16/2010.

### Analysis and Reconciliation

There were 20382 certified votes.

There are 18260 "Vote cast" events in the 152 file.

There are 18260 vote images in the 155 file.

There are 1908 presumed paper absentee ballots.

There are 214 emergency, failsafe, and provisional ballots.

$18260+1908+214=20382$

## Hampton County

### Data

We have from the SCSEC the 68, 68A, 152, and 155 files.

The 68 file indicates manual adjustments.

The 68A file shows clearing and resetting the database on 11/2/2010.

The 68A file shows data collection beginning from the PEBs at 6:59pm on 11/2/2010 and completed by 7:42pm.

The 68A file shows terminals not closed in PCT 0750 and 0850.

The 68A file shows collection of CF card audit data on 11/3/2010. Data from seven more cards was collected on 3/29/2011 and 3/30/2011.

### Analysis and Reconciliation

There were 6541 certified votes.

There were 5748 "Vote cast" events in the 152 file.

There were 5748 vote images in the 155 file.

There were 731 probable paper absentee ballots.

There were 62 vote images missing from PCT 0021 in the 155 file.

$5748+731+62=6541$

## Horry County

### Data

We have from the SCSEC the 30A, 45A, 68, 68A, 152, and 155 files.

We had obtained 68A, 152, and 155 files.

The 68 file indicates manual adjustments.

The 68A file shows resetting the database on 11/1/2010 and shows data collection beginning from the PEBs at 6:08pm on 11/2/2010.

The 68A file shows terminals not closed in PCT 0117, 0148, 0190 and 0850.

The 68A file shows “encrypted EQC block CRC check failed” for an unidentified PEB.

The 68A file shows collection of CF card audit data on 11/4/2010.

The 68A file shows further activity on 3/30/2011, including failure to read PEBs, terminals not closed (PCT 0175, 0189), and CF card audit data read from a number of cards on 4/1/2011, 4/5/2011, and 4/6/2011.

### Analysis and Reconciliation

There were 71211 certified votes.

There were 59079 “Vote cast” events in our 152 file.

There were 59079 vote images in our 155 file.

There are 3 precincts entirely missing from our 155 vote image file.

There are 48 precincts missing some vote image data in our 155 file.

There were 66651 “Vote cast” events in the SCSEC 152 file.

There were 53483 vote images in the SCSEC 155 file.

There are 25 precincts entirely missing from the SCSEC 155 file.

**There was one terminal in PCT 0189 with 114 uncounted**

**votes.** This information is obtainable from our 155 file, but not from the SCSEC file, since it is entirely missing PCT 0189.

**There was one terminal in PCT 0175 with 69 uncounted votes.**

This can be determined from the SCSEC 155 file, but not from our file. In our file, that precinct’s data shows up with the terminal with the 69 uncounted votes, but there are several other terminals for that precinct that are missing from our 155 data.

There appear to be 3 votes, one in each of 3 precincts, that are test votes and do not appear in the 152 file.

There were 3560 probable paper absentee ballots.

## Jasper County

### Data

All the data we have came from the SCSEC.

We have from the SCSEC the 152 and 155 files.

### Analysis and Reconciliation

There were 6369 certified votes.

There were 6058 "Vote cast" events in the 152 file.

There were 6058 vote images in the 155 file.

There were 283 probable paper absentee ballots.

There were 28 emergency ballots.

$6058+283+28=6369$

## Kershaw County

### Data

All the data we have came from the SCSEC.

We have from the SCSEC the 30A, 45A, 68, 68A, 152 and 155 files.

The 68 file shows manual adjustments.

The 68A file shows resetting the database at 4:13pm on 11/2/2010.

The 68A file shows collecting PEB data beginning at 8:14pm on 11/2/2010.

The 68A file shows terminals not closed in PCT 0135, 140.

The 68A file shows CF card audit data collection on 11/4/2010 and 11/5/2010.

The 68A file shows CF card audit data collection on 4/5/2011. In this list there are invalid database version error messages for V5132952, V5131499, V5121102, V5130732, V5118310, V5129589, V5136932, V5118942.

The 68A file shows CF card audit data collection on 4/6/2011 for six terminals whose data had not previously been collected.

### Analysis and Reconciliation

There were 23169 certified votes.

There were 20098 "Vote cast" events in the 152 file.

There were 20098 vote images in the 155 file.

There were 2711 probable paper absentee ballots.

There were 12 probable paper failsafe ballots.

There were 125 emergency, provisional, and failsafe ballots.

**There were 223 vote images in 4 precincts missing from the 155 file.**

$20098+2711+12+125+223=23169$

## Lancaster County

### Data

Apparently all the ballots were misconfigured in Lancaster County, so there is no data to audit.

### Analysis and Reconciliation

There is no data to analyze.

## Laurens County

### Data

We have from the SCSEC the 30A, 45A, 68A, 152, and 155 files.

There is no 68 file on manual adjustments but the existence of manual adjustments was logged in the 68A file.

The 68A file shows clearing and resetting the database on 11/2/2010.

The 68A file shows data collection beginning from the PEBs at 6:40pm on 11/2/2010.

The 68A file shows collection of CF card audit data on 11/9/2010.

### Analysis and Reconciliation

There were 17729 certified votes.

There were 17074 "Vote cast" events in the 152 file.

There were 17074 vote images in the 155 file.

There were 549 presumed paper absentee ballots.

There were 90 total failsafe ballots.

There were 76 vote images missing from PCT 0020 in the 155 file.

There were 30 vote images missing from PCT 0850 in the 155 file. (paper ballots?)

$$17074+549+76+30=17729$$

## Lee County

### Data

We have from the SCSEC the 30A, 45A, 68, 68A, 152, and 155 files.

The 68 file shows manual adjustments.

The 68A file shows clearing and resetting the database on 11/1/2010.

The 68A file shows data collection beginning from the PEBs at 7:31pm on 11/2/2010.

The 68A file shows collection of CF card audit data on 11/3/2010. It shows additional CF card data collection from one card on 4/1/2011.

### Analysis and Reconciliation

There were 6702 certified votes.

There were 6468 "Vote cast" events in the 152 file.

There were 6468 vote images in the 155 file.

There were 247 presumed paper absentee ballots.

**There were 13 total failsafe ballots in the 155 file, none of which were counted.**

**6468+247-13=6702**



## Lexington County

### Data

The SCSEC has published 30A, 45A, 68, 68A, 152, and 155 files.  
We had obtained 152 and 155 files.

The 68 file shows manual adjustments.

The 68A file shows resetting the database on 11/1/2010.

The 68A file shows collecting PEB data beginning at 7:59pm on 11/2/2010.

The 68A file shows terminals not closed in PCT 0047, 0082, 0089.

The 68A file shows CF card audit data collection on 11/19/2010.

### Analysis and Reconciliation

There were 84247 certified votes.

There were 79821 "Vote cast" events in the SCSEC 152 file.

There were 79821 "Vote cast" events in our 152 file.

There were 79821 vote images in our 155 file.

There were 74771 vote images in the SCSEC 155 file.

There were 28 missing vote images (PCT 0082) in both 155 files.

There are 760 DUPLICATED vote images (PCT 0051) in the SCSEC 155 file.

There were 25 test votes in both 155 files.

There were 4346 presumed paper absentee ballots.

There was no electronic data for absentee ballots in the SCSEC file.

There were 13 emergency ballots.

There were 64 failsafe/provisional ballots.

$79821+4346+13+64-28-25=84247$

## Marion County

### Data

All the data we have is from the SCSEC.

The SCSEC originally published 30A, 45A, 68, 68A, 152 and 155 files.

The 68 file is empty except for a printer header.

The 68A file shows dates of 9/20, 3/2, 3/8, 3/30, 4/12, and 8/5, and was printed on 8/5/2011. There is no log of the activity of 11/2/2010.

### Analysis and Reconciliation

There were 10601 certified votes.

There are 9812 "Vote cast" events in the 152 file.

There are 9812 vote images in the 155 file.

There are 768 presumed paper absentee ballots from the 155 file.

**There are 26 failsafe ballots.**

There are 4 failsafe/provisional ballots.

There are 17 provisional ballots.

$9812+768+4+17= 10601$

## Marlboro County

### Data

All the data we have is from the SCSEC.

The SCSEC published 68, 68A, 152 and 155 files.

The 68 file shows manual adjustments.

The 68A file shows resetting the database at 5:22pm on 11/2/2010 and PEB data collection beginning at 6:17pm on 11/2/2010.

The 68A file shows CF card audit data collected on 11/2/2010 from a few cards.

### Analysis and Reconciliation

There were 7326 certified votes.

There are 129 "Vote cast" events in the 152 file.

There are 6144 vote images in the 155 file.

There are 1165 presumed paper absentee ballots from the 155 file.

**There are 19 vote images missing from PCT 0014.**

**There were 2 failsafe ballots not counted.**

$6144+1165+19-2= 7326$

## McCormick County

### Data

The SCSEC has published 30A, 45A, 68A, 152, and 155 files.

We obtained 68A, 152, and 155 files from the county, and these are identical to the SCSEC files.

The 68A file shows resetting the database at 4:36pm on 11/2/2010. PEB data begins to be collected at 7:10pm on 11/2/2010.

The 68A file shows collection of CF card audit data on 3/28/2011.

### Analysis and Reconciliation

There were 4018 certified votes.

There were 3700 "Vote cast" events in the 152 file.

There were 3700 vote images in the 155 file.

There were 35 vote images for PCT 0009 missing from the 155 file.

There were 243 presumed paper absentee ballots.

There were 40 emergency ballots.

$3700+243+40+35=4018$

## Newberry County

### Data

All the data we have is from the SCSEC.

The SCSEC has published 152 and 155 files.

There is no 68 or 68A file and thus no log of the election events at the county level.

### Analysis and Reconciliation

There were 12311 certified votes.

There were 10613 "Vote cast" events in the 152 file.

There were 10613 vote images in the 155 file.

**There were 363 vote images for PCT 0050 missing from the 155 file.**

There were 1231 absentee ballots and there is no absentee data in the 155 file.

There were 104 failsafe, provisional, and emergency ballots.

$10613+1231+104+363=12311$

## Oconee County

### Data

We have from the SCSEC the 30A, 45A, 68, 68A, 152, and 155 files.

The 68 file shows is nothing but a printer header.

The 68A file has two entries from 9/30/2010, one from 10/15/2010, and then no entries until 11/18/2010.

The CF card audit data is shown as being collected on 11/18/2010.

There are essentially no other entries in the 68A file.

### Analysis and Reconciliation

There were 21491 certified votes.

There were 5857 "Vote cast" events in the 152 file.

There were 5857 vote images in the 155 file.

There were 2903 presumed paper absentee ballots.

There is vote image data missing from every single precinct for which data exists, and there are five precincts entirely missing from the 155 file.

## Orangeburg County

### Data

Apparently the data was completely erased by mistake and there was no backup data.

### Analysis and Reconciliation

There is no data to analyze.

## Pickens County

### Data

The SCSEC has published only the 152 and 155 files.

We have obtained 68, 68A, 152, and 155 files from the county.

The 68 file shows manual adjustments.

The 68A file shows creation of a database at 4:18pm on 11/2/2010 and collection of data from PEBs beginning at 6:58pm on 11/2/2010.

The 68A file shows CF card audit data collected on 11/3/2010.

When we had originally requested data from Pickens County, the 152 and 155 files provided were missing vote image data for 452 votes from 5 precincts and entirely missing the vote image data for 1061 votes from two precincts. This data was clearly obtained from further CF card collection, but this must have been done after the 3/4/2011 date on which our 68A file was printed, because our 68A file does not show the collection of CF data from these cards.

### Analysis and Reconciliation

There were 30615 certified votes.

There are 29457 "Vote cast" events in the SCSEC 152 file.

There are 29457 vote images in the SCSEC 155 file.

There are 1114 presumed paper absentee ballots.

There are 44 provisional and failsafe ballots without electronic data.

$29457+1114+44=30615$



## Richland County

### Data

We have 30A, 45A, 68, 68A, 152, and 155 files from the SCSEC.

We have 152 and 155 files we obtained independently.

The 68 file shows manual adjustments.

The 68A file shows resetting the database at 1:05pm on 11/2/2010 and PEB data collection beginning at 7:57pm on 11/2/2010.

The 68A file shows terminals not closed (PCT 0305, 0311, 0330, 0336).

The 68A file shows CF card audit data collection on 11/4/2010.

The 68A file shows additional PEB data collected and CF card audit data collected on 11/9/2010 (PCT 0121) and then on 11/10/2010 and 11/19/2011.

This would have been the state of the databases at the time we obtained data.

The 68A file records additional CF card audit data collected on 2/11/2011 and 2/17/2011, subsequent to our discussions with county officials about missing data and uncounted votes. Additional CF data is collected on 3/7/2011.

### Analysis and Reconciliation

There were 119127 certified votes.

There were 108944 "Vote cast" events in our original 152 file

There were 108943 vote images in our original 155 file. (There was one provisional ballot that was not deemed acceptable.)

There were 14812 absentee ballots. We do not have electronic data for the 750+ precincts.

**There were 772 uncounted votes in PCT 305 (Bluff) and 355 uncounted votes in PCT 121 (Ward 21).**

**There were two precincts entirely missing from the vote image file. Six other precincts were missing one or more memory cards.**

There were 110802 "Vote cast" events in the SCSEC 152 file

There were 111760 vote images in the SCSEC 155 file.

**All the vote image data missing from our file appears to be present in the SCSEC file.**

## Saluda County

### Data

All the data we have is from the SCSEC.

The SCSEC has 30A, 45A, 68, 68A, 152, and 155 files.

The 68A file shows database reset at 11:33am on 11/2/2010.

The 68A file shows PEB data collected beginning at 6:19pm 11/2/2010.

The 68A file shows CF card audit data collected on 11/2/2010. Data was collected (again?) on 11/5/2010. One final card was collected on 4/14/2011.

### Analysis and Reconciliation

There were 6387 certified votes.

There are 6230 "Vote cast" events in the 152 file.

There are 6230 vote images in the 155 file.

There were 96 presumed paper absentee ballots.

There were 66 emergency ballots.

There were 5 failsafe vote images in the 155 file that appear not to have been counted.

$6230+96+66-5= 6387$

## Spartanburg County

### Data

The SCSEC has published 30A, 45A, 68, 68A, 152, and 155 files. We have 68, 68A, 152, and 155 files obtained independently.

The 68 file shows manual adjustments.

The two 68A files differ only in minor ways.

The SCSEC 68A shows resetting the database on 10/27/2010.

The 68A file shows collection of PEB data beginning at 8:33pm on 11/2/2010.

The 68A file shows CF card audit data on 11/4/2010. We were told that perhaps four cards were unreadable. Additional attempts were made and two more cards were read on 3/30/2011, with two cards failing.

### Analysis and Reconciliation

There were 74980 certified votes.

There are 72024 "Vote cast" events in each 152 file.

There are 72319 vote images in the SCSEC 155 file.

There were 72024 vote images in our original 155 file.

There were 2331 presumed paper absentee ballots.

**There was missing vote image data (199 votes) from two precincts in the SCSEC 155 file. There were an additional 295 votes missing from our file.**

## Sumter County

### Data

The SCSEC has published 30A, 45A, 68, 68A, 152, and 155 files.  
We had obtained 68A, 152, and 155 files.

The 68 file shows manual adjustments.

The SCSEC 68A file shows almost no activity until 12/16/2010, then PEB data collection on 12/17/2010, 2/4/2011 through 2/6/2011, CF card audit data collection on 2/12/2011 and on through 3/29/2011.

Our 68A file shows database resetting at 5:19pm on 11/2/2010 and PEB data collection beginning at 7:50am on 11/2/2010.

Our 68A file shows terminals not closed (PCT 0133, 0141).

Our 68A file shows CF card audit data collection on 11/3/2010 and 11/4/2010.

### Analysis and Reconciliation

There were 31988 certified votes.

There are 28431 "Vote cast" events in the SCSEC 152 file.

There are 25135 "Vote cast" events in our 152 file.

There are 28431 vote images in the SCSEC 155 file.

There were 28305 vote images in our original 155 file.

There were 3522 presumed paper absentee ballots.

There were 52 failsafe/provisional and 7 provisional ballots.

There was missing vote image data (126 votes) from one precinct in our 155 file.  
This is present in the SCSEC file.

There was one terminal with 24 votes (PCT 140) that did not get included in the official count. This is in spite of the fact that the votes from that terminal do show up in the 68A file.

$28305+126+3522+52+7-24=31988$

## Union County

### Data

We have from the SCSEC the 30A, 45A, 68, 68A, 152, and 155 files.

The 68 file shows no information from the 11/2/2010 election and is dated 7/2/2011.

The 68A file shows dates from September, June, July, November, and April, but no year is indicated.

The 68A file shows collected CF card audit data on 7/3, presumably in 2011, and collecting data from the PEBs on the same day. There are no log entries on 11/2/2010 or dates immediately following.

The 155 file has no data from the 750+ precincts.

### Analysis and Reconciliation

There were 9322 certified votes.

There are 9111 "Vote cast" events in the 152 file.

There are 8529 vote images in the 155 file.

There was a total of 729 absentee votes certified.

There were 63 failsafe and provisional votes certified.

There is one vote missing from the 155 file in PCT 0009.

The 68A file records the upload of 498 votes from the PEB. The certified count is 499. The 68 file has no record of manual adjustments in any precincts.

$8529+729+63 = 9321$

## Williamsburg County

### Data

We have from the SCSEC the 68 and 68A files, but no other files.

The 68 file shows extensive manual adjustment.

The 68A file shows that in all precincts the ballots were misconfigured. The error message is “more cands than results” and “Votes exceed device ballot counters” for all precincts.

The 68A file has no entries between 9/21/2010, when the database was created, and 11/3/2010 at 12:06am. There is a further gap between 12:23am and 10:06am on 11/3/2010, and then another gap between 10:07am on 11/3/2010 and 8:51am on 11/4/2010.

The 68A file records no attempts to collect the 152 or 155 files from the CF cards.

### Analysis and Reconciliation

There is no data to analyze.

## York County

### Data

We have from the SCSEC 30A, 45A, 68, 68A, 152, and 155 files for 11/2/2010.

We obtained identical files from York County.

The 68 file shows entries for manual adjustments.

The 68A file shows collecting data in mid-September, then resetting the database on 10/26, further data collection on 11/2/2010, then resetting the database at 12:35 and again at 8:20pm on 11/2/2010.

The 68A file shows collecting data from the PEBs on 11/2/2010 beginning at 8:35pm.

The 68A file shows a terminal not closed (PCT 0028).

The 68A file shows collecting audit data from the CF cards on 11/2/2010 and 11/3/2010, with three cards not uploaded until 4/1/2011.

### Analysis and Reconciliation

There were 69202 certified votes.

The 152 file has 64281 "Vote cast" events.

The 155 file has 64280 vote images.

There were 4417 absentee votes probably cast on paper.

There were 505 failsafe or provisional ballots for which no electronic documentation exists.

$64280+4417+505=69202$