Greenville Ballot Audit Report

| Prec Nber | Precinct Name | EL30A | | | | Audit | | | | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Total | Opt | iVo | Flash | iVo | Opt | Man | Delta | |
| 0231 | ALTAMONT FOREST | 12 | 0 | 12 | 0 | 12 | 0 | 0 | 0 | |
| 0245 | CLEAR CREEK | 22 | 0 | 22 | 0 | 22 | 0 | 0 | 0 | |
| 0247 | DARBY RIDGE | 22 | 0 | 22 | 0 | 22 | 0 | 0 | 0 | |
| 0254 | EBENEZER | 53 | 0 | 53 | 0 | 53 | 0 | 0 | 0 | |
| 0262 | FURMAN | 41 | 0 | 41 | 0 | 41 | 0 | 0 | 0 | |
| 0269 | JENNINGS MILL | 46 | 0 | 46 | 0 | 46 | 0 | 0 | 0 | |
| 0275 | MARIDELL | 50 | 0 | 50 | 0 | 50 | 0 | 0 | 0 | |
| 0286 | MOUNTAIN VIEW | 124 | 0 | 124 | 0 | 124 | 0 | 0 | 0 | |
| 0307 | SANDY FLAT | 67 | 0 | 67 | 0 | 67 | 0 | 0 | 0 | |
| 0317 | SLATER MARIETTA | 81 | 0 | 81 | 0 | 81 | 0 | 0 | 0 | |
| 0325 | SULPHUR SPRINGS | 2 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | |
| 0330 | TIGERVILLE | 87 | 0 | 87 | 0 | 87 | 0 | 0 | 0 | |
| 0334 | TUBBS MOUNTAIN | 91 | 0 | 91 | 0 | 91 | 0 | 0 | 0 | |
| 0365 | TRAVELERS REST 1 | 72 | 0 | 72 | 0 | 72 | 0 | 0 | 0 | |
| 0366 | TRAVELERS REST 2 | 38 | 0 | 38 | 0 | 38 | 0 | 0 | 0 | |
| Precincts Total: | | 808 | 0 | 808 | 0 | 808 | 0 | 0 | 0 | |
| | | | | | | | | | | |
| 0750 | ABSENTEE | 23 | 5 | 18 | 0 | 18 | 5 | 0 | 0 | |
| 0800 | PROVISIONAL | 2 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | |
| 0850 | FAILSAFE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 0900 | EMERGENCY | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Virtual Precincts Total: | | 25 | 7 | 18 | 0 | 18 | 7 | 0 | 0 | |
| | | | | | | | | | | |
| Grand Total: | | 833 | 7 | 826 | 0 | 826 | 7 | 0 | 0 | |

Total number of iVotronic ballots cast containg no votes: 13

NOTE: Any manual entries shown on this report are supported by the Manual Entry log (EL68).

EL30A iVo to EL155 to EL152 Cross Check and Cancelled Ballots.

```
+-------------------+------------------+---------------+
| EL30A Ivo Ballots |    EL155 Ballots | EL152 Ballots |
+-------------------+------------------+---------------+
|               826 |              826 |           826 |
|   Delta from EL30A |                0 |             0 |
|                   | Delta from EL155 |             0 |
+-------------------+------------------+---------------+
|                    |     Cast By Voter |           825 |
|                    |    Cast By Poll Wkr |           1 |
|                    |    Blank Cast by PW |           0 |
                     +------------------+---------------+
                     | Cancelled Ballots|             7 |
                     +------------------+---------------+
                     |       Wrong Ballot |           1 |
                     |      Voter Left AB |           0 |   (AB = After ballot selected by poll worker.)
                     |      Voter Left BB |           0 |   (BB = Before ballot selected by poll worker.)
```

```
|   Voter Request   |       0       |
|  Printer Problem  |       0       |
|  Terminal Problem |       2       |
|    Other Reason   |       4       |
+-------------------+---------------+
```

How to read this report.

This is the ballot level report. It compares the number of ballots cast in the tabulation report,
the EL30A with the number of ballots cast in the audit data.

The values read from the EL30A report are reported in four categories; Total, Optical (Opt),
iVotronic (iVo) and Flash. None of these values on each line are calculated but parsed from
the actual report. The total lines are the calculated sums of the individual precince line values.

The Opt totals are the total number of ballots cast on paper ballots that were scanned into the optical
scanner and transferred to the tabulation computer via memory stick or ZipDisk (depending on the type
of device, M100 or M650 used to scan the ballots.) Optical totals should exist only in some but not all
of the Virtual Precincts at the bottom of the table.

The iVo totals are the results gathered from the PEBs (Personal Electronic Ballot) which are used
to open and close an iVotronic voting machine and, after the polls have closed, gather the ballots
cast for transmission to the tabulation system.

The Flash totals are the totals that are read from the flash cards in the rare event that the ballots
cannot be copied from the machine to the PEB or from the PEB to the tabulating machine.

The values on the Audit side come from the iVotronic audit data that is read from the flash cards as
part of the audit process. That process combines the individual machine data into two master audit
files, the EL155 Vote image log and the EL152 iVotronic event log.
The EL155 contains a record of all the votes cast on a ballot. The vote images indicate the machine
Ocounting the number of asterisks in a precinct we get the number of ballots cast in that precinct. That
number should always match the number in the iVo column on the EL30A side of the report.

Optical ballots do not have electonically readable audit files. So if the audit data iVotronic total
does not match the EL30A Total value, the auditor is prompted to read the paper report from the optical
scanner and enter the total ballots cast into the auditing program.

If the sum of the audit iVotronic and Optical ballots cast still do not match the EL30A total value, then
the audit software reads the EL68 Manual Entry log for any changes made in that precinct to either the iVo
or Opt totals by the CEC staff. It displays any manual entries to the auditor for inclusion into the totals.
If accepted by the auditor these entries are automatically added to the Man column from the Manual Entry log.

Finally, the audit software calculates the Delta value which should be zero unless the sum of the iVo,
the Opt and the Man do not match the EL30A Total column. If the Delta is greater than zero then audit data
is missing. A comment will be placed on that line in the report indicating missing audit data. If the Delta
value is less than zero then there are more ballots in the audit data than there are in the tabulated data
and a comment will be placed on that line in the report.

Wherever possible, the audit system will attempt to indicate where the difference is by displaying the
iVotronic machine numbers and the number of ballots cast on that machine that exist in the audit data.
In the case of missing tabulated data, it might be possible to identify a machine that has the same number

of ballots cast as the delta value and that number and ballot count will be highlited with a < sign.
If there is a non zero Delta value there will be an entry by the auditor explaining the variance.

Finally, there is a EL30A iVo to EL155 to EL152 Cross Check and Cancelled Ballots table in the report
This table should indicate that the nubmer ballots cast in the EL30A match the numbers in the EL155 and
the EL152 report. Then there are some statistics pulled from the EL152 repor that indicate how many
ballots were cast by the voter and the number cast by the poll worker. Lastly the number of ballots that
were cancelled and the reason they were cancelled. It should be noted that the reason cancelled is chosen
from a pull down menu presented to the poll worker when a ballot is cancelled, there is no way to
validate the poll worker's choice.

Greenville Vote Level Audit Report

```
                                                           |-------------------EL30A-----------------|-----Audit-------|
Precinct Number / Name
Office                                 Candidate      Party |   Total    Optical      iVo      Flash |    iVo    Delta| Comments
-----------------------------------------------------------|                                         |                |
```

0231  ALTAMONT FOREST
| SC House of Representatives District 17 | Mike Burns | | 12 | 0 | 12 | 0 | 12 | 0 | |
| SC House of Representatives District 17 | WRITE-IN | | 0 | 0 | 0 | 0 * No Audit Data expected or found |

0245  CLEAR CREEK
| SC House of Representatives District 17 | Mike Burns | | 21 | 0 | 21 | 0 | 21 | 0 | |
| SC House of Representatives District 17 | WRITE-IN | | 1 | 0 | 1 | 0 | 1 | 0 | |

0247  DARBY RIDGE
| SC House of Representatives District 17 | Mike Burns | | 22 | 0 | 22 | 0 | 22 | 0 | |
| SC House of Representatives District 17 | WRITE-IN | | 0 | 0 | 0 | 0 * No Audit Data expected or found |

0254  EBENEZER
| SC House of Representatives District 17 | Mike Burns | | 53 | 0 | 53 | 0 | 53 | 0 | |
| SC House of Representatives District 17 | WRITE-IN | | 0 | 0 | 0 | 0 * No Audit Data expected or found |

0262  FURMAN
| SC House of Representatives District 17 | Mike Burns | | 40 | 0 | 40 | 0 | 40 | 0 | |
| SC House of Representatives District 17 | WRITE-IN | | 1 | 0 | 1 | 0 | 1 | 0 | |

0269  JENNINGS MILL
| SC House of Representatives District 17 | Mike Burns | | 45 | 0 | 45 | 0 | 45 | 0 | |
| SC House of Representatives District 17 | WRITE-IN | | 1 | 0 | 1 | 0 | 1 | 0 | |

0275  MARIDELL
| SC House of Representatives District 17 | Mike Burns | | 47 | 0 | 47 | 0 | 47 | 0 | |
| SC House of Representatives District 17 | WRITE-IN | | 0 | 0 | 0 | 0 * No Audit Data expected or found |

0286  MOUNTAIN VIEW
| SC House of Representatives District 17 | Mike Burns | | 116 | 0 | 116 | 0 | 116 | 0 | |
| SC House of Representatives District 17 | WRITE-IN | | 7 | 0 | 7 | 0 | 7 | 0 | |

0307  SANDY FLAT
| SC House of Representatives District 17 | Mike Burns | | 64 | 0 | 64 | 0 | 64 | 0 | |
| SC House of Representatives District 17 | WRITE-IN | | 2 | 0 | 2 | 0 | 2 | 0 | |

0317  SLATER MARIETTA
| SC House of Representatives District 17 | Mike Burns | | 74 | 0 | 74 | 0 | 74 | 0 | |
| SC House of Representatives District 17 | WRITE-IN | | 3 | 0 | 3 | 0 | 3 | 0 | |

0325  SULPHUR SPRINGS
| SC House of Representatives District 17 | Mike Burns | | 2 | 0 | 2 | 0 | 2 | 0 | |
| SC House of Representatives District 17 | WRITE-IN | | 0 | 0 | 0 | 0 * No Audit Data expected or found |

0330  TIGERVILLE
| SC House of Representatives District 17 | Mike Burns | | 87 | 0 | 87 | 0 | 87 | 0 | |

| SC House of Representatives District 17 | WRITE-IN | 0 | 0 | 0 | 0 * No Audit Data expected or found |
|---|---|---|---|---|---|

0334   TUBBS MOUNTAIN

| SC House of Representatives District 17 | Mike Burns | 89 | 0 | 89 | 0      89      0 |
|---|---|---|---|---|---|
| SC House of Representatives District 17 | WRITE-IN | 0 | 0 | 0 | 0 * No Audit Data expected or found |

0365   TRAVELERS REST 1

| SC House of Representatives District 17 | Mike Burns | 72 | 0 | 72 | 0      72      0 |
|---|---|---|---|---|---|
| SC House of Representatives District 17 | WRITE-IN | 0 | 0 | 0 | 0 * No Audit Data expected or found |

0366   TRAVELERS REST 2

| SC House of Representatives District 17 | Mike Burns | 36 | 0 | 36 | 0      36      0 |
|---|---|---|---|---|---|
| SC House of Representatives District 17 | WRITE-IN | 0 | 0 | 0 | 0 * No Audit Data expected or found |

0750   ABSENTEE

| SC House of Representatives District 17 | Mike Burns | 23 | 5 | 18 | 0      18      0 |
|---|---|---|---|---|---|
| SC House of Representatives District 17 | WRITE-IN | 0 | 0 | 0 | 0 * No Audit Data expected or found |

0800   PROVISIONAL

| SC House of Representatives District 17 | Mike Burns | 2 | 2 | 0 | 0 * All votes cast for this candidate |
|---|---|---|---|---|---|
| | | | | | * in this precicnt are optical. |
| | | | | | * No Audit Data for optical. |
| SC House of Representatives District 17 | WRITE-IN | 0 | 0 | 0 | 0 * No Audit Data expected or found |

0850   FAILSAFE

| SC House of Representatives District 17 | Mike Burns | 0 | 0 | 0 | 0 * No Audit Data expected or found |
|---|---|---|---|---|---|
| SC House of Representatives District 17 | WRITE-IN | 0 | 0 | 0 | 0 * No Audit Data expected or found |

0900   EMERGENCY

| SC House of Representatives District 17 | Mike Burns | 0 | 0 | 0 | 0 * No Audit Data expected or found |
|---|---|---|---|---|---|
| SC House of Representatives District 17 | WRITE-IN | 0 | 0 | 0 | 0 * No Audit Data expected or found |

There was no unmatched audit data


How to read this report.

This is the vote level report. It compares the number of votes cast for each candidate in the
tabulation report with the number of ballots cast in the audit data for each candidates in each
precinct.

The tabulated values as read from the EL30A report are reported in four categories; Total, Optical (Opt),
iVotronic (iVo) and Flash. None of these values on each line are calculated but parsed from
the actual report. In the EL30A report all Write-in votes are added together and reported as one
candidate name - Write-in. The EL30A does not report individual Write-in candidates.

The Opt totals are the total number of votes cast on paper ballots that were scanned into the optical
scanner and transferred to the tabulation computer via memory stick or ZipDisk (depending on the type
of device, M100 or M650 used to scan the ballots.) Optical totals should exist only in some but not all
of the Virtual Precincts at the bottom of the table.

The iVo totals are the results gathered from the PEBs (Personal Electronic Ballot) which are used

to open and close an iVotronic voting machine and, after the polls have closed, gather the ballots
cast for transmission to the tabulation system.

The Flash totals are the totals that are read from the flash cards in the rare event that the ballots
cannot be copied from the machine to the PEB or from the PEB to the tabulating machine.

The values on the Audit side come from the iVotronic audit data that is read from the flash cards as
part of the audit process. That process combines the individual machine data into a master audit
file, the EL155 Vote image log.

The EL155 contains a record of all the votes cast on a ballot. The vote images indicate the machine
Ocounting the number of times a candidate name for a contest appears in a precint we get the number of
votes cast in that precinct for that candidates. That number should always match the number of votes cast
for that candidate in that contest in the iVo column on the EL30A side of the report.

Optical ballots do not have electonically readable audit files. So if the audit data iVotronic total votes
does not match the EL30A iVo value one of two things will occur. The first is if the iVotronic tabulated
is zero and the Total tabulated votes match the tabulated Optical votes the following comment is made in
the Audit side of the report; All votes cast for this candidate in this precicnt are optical No Audit
Data for optical, or secondly, if the iVotronic total is not zero, a notation indicating which data Audit data
In the event a candidate or the combined Write-in candidates did not receive any votes in a precinct
the EL30A will report a zero vote count. If there are no votes for this candidate in a precinct in the audit data,
the following comment will be placed into the audit report by the auditing software; No Audit Data expected or
found.

Finaly the audit software will search the audit data for any votes that were not found on the EL30A report.
If it finds some, it will report those vote totals by contest, candidate name and precinct. if it does not
find any unmatched audit data it will report; There was no unmatched audit data

Greenville EL30A45A Comparison Report

|  |  |  | +--------------EL30A--------------+ | | | | +----------------EL45A----------------+ | | | | |
| Office | Candidate | Party | Tot | Opt | iVo | Flash | Tot | Opt | iVo | Flash | Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SC House of Representatives District 17 | Mike Burns |  | 805 | 7 | 798 | 0 | 805 | 7 | 798 | 0 | 0 |
| SC House of Representatives District 17 | WRITE-IN |  | 15 | 0 | 15 | 0 | 15 | 0 | 15 | 0 | 0 |

How to read this report.

This is EL30A EL45A Crosscheck Report. It sums each candidates vote totals in each precinct in
the EL30A Precinct Detail Report and compares it to the EL45A Election Summary Report that
contains the tabulated total for each candidate in the county.

The values read from the EL30A report are reported in four categories; Total, Optical (Opt),
iVotronic (iVo) and Flash. None of these values on each line are calculated but parsed from
the actual report. The total lines are the calculated sums of the individual precince line values.

The Opt totals are the total number of votes cast on paper ballots that were scanned into the optical
scanner and transferred to the tabulation computer via memory stick or ZipDisk (depending on the type
of device, M100 or M650 used to scan the ballots.) Optical totals should exist only in some but not all
of the Virtual Precincts at the bottom of the table.

The iVo totals are the results gathered from the PEBs (Personal Electronic Ballot) which are used
to open and close an iVotronic voting machine and, after the polls have closed, gather the ballots
cast for transmission to the tabulation system.

The Flash totals are the totals that are read from the flash cards in the rare event that the ballots
cannot be copied from the machine to the PEB or from the PEB to the tabulating machine.

The values read from the EL45A report are reported in same four categories; Total, Optical (Opt),
iVotronic (iVo) and Flash as the EL30A. Like the EL30A they are parsed from the actual EL45A report.
The summary candidate totals are compared against the calculated sums for each candidate from, the EL30A
report. Each of the values in each line on the EL30A side must match the same value on the EL45A side
and the Delta value must be zero.

Greenville PEB Use Report

| Precinct | PEBs Used | Comments |
|---|---|---|
| ALTAMONT FOREST | 138687 | |
| CLEAR CREEK | 151677 | |
| DARBY RIDGE | 139976 | |
| EBENEZER | 138738 | |
| FURMAN | 137736 | |
| JENNINGS MILL | 137638 | |
| MARIDELL | 137358 | |
| MOUNTAIN VIEW | 150665 | |
| SANDY FLAT | 119855 | |
| SLATER MARIETTA | 119948 | |
| SULPHUR SPRINGS | 137736 | |
| TIGERVILLE | 138519 | |
| TUBBS MOUNTAIN | 138687 | |
| TRAVELERS REST 1 | 155743 | |
| TRAVELERS REST 2 | 136887 | |
| ABSENTEE | 155471 | |

16 precincts processed

How to read this report.

This is the PEB Used report. It lists the precints found in the Audit data and lists all
the PEBs that were used by the poll workers to open and close the iVotronic machines in that.
precinct.

If more than one PEB is used to open and close all the iVotronic machines in a precinct,
then the County Election Commission must read ALL the PEBs used in that precinct to
assure that they have collected all the ballots from that precinct. A county whose report shows
a precinct that has machines open or closed by more than one PEB should double check the Ballot
Audit Report against the iVotronic paper tapes and the Poll Book to make sure that all the
ballots have been collected and tabulated.

Greenville PEB Exceptions Report

| iVo # | Op PEB | Open Time | Cl PEB | Close Time | Exception Type | Precinct - Ballots Cast |
|-------|--------|-----------|--------|------------|----------------|-------------------------|
| 5126026 | 155471 | 02/25/2013 13:56:43 | 155471 | 03/12/2013 12:52:29 | >>Open Date<< | ABSENTEE - 1 |
| 5126026 | 155471 | 02/25/2013 13:56:43 | 155471 | 03/12/2013 12:52:29 | Open Time | ABSENTEE - 1 |
| 5126026 | 155471 | 02/25/2013 13:56:43 | 155471 | 03/12/2013 12:52:29 | Close Time | ABSENTEE - 1 |
| 5130513 | 151677 | 03/12/2013 07:38:07 | 151677 | 03/12/2013 19:04:20 | Open Time | CLEAR CREEK - 20 |
| 5138740 | 155471 | 02/25/2013 13:59:49 | 155471 | 03/12/2013 12:54:44 | >>Open Date<< | ABSENTEE - 17 |
| 5138740 | 155471 | 02/25/2013 13:59:49 | 155471 | 03/12/2013 12:54:44 | Open Time | ABSENTEE - 17 |
| 5138740 | 155471 | 02/25/2013 13:59:49 | 155471 | 03/12/2013 12:54:44 | Close Time | ABSENTEE - 17 |


How to read this report.

This is the PEB Exceptions Report. It checks for the following conditions in the iVotronic Event log;

    1: A machine that was opened and closed by different PEBs
    2: A Machine that was not opened on Election Date - could be either an absentee or test machine
    3: A Machine that was not closed on Election Date - could have had problem closing
    4: A Machine that was not opened by 7 am - note most Absentee machines will show up here
    5: A Machine that was closed before 7pm - polls close at 7 PM
    6: A Machine that was not closed ever.
    7: A machine that has no ballots cast on it.

Each of the events above detected are reported on a separate line, each line contains the following information:
iVotronic machine number,Opening PEB Number, Open Time, Closing PEB Number, Closing Time, the Exception Type and
the Precinct and the Ballots Cast on that machine.