

Saluda 2018 Statewide Primary Runoff Audit Report

Saluda Ballot Audit Report
 Election: 2018 Statewide Primary Runoff
 Audit Date: 13:11:04, Thu Jun 28, 2018

Prec Nber	Precinct Name	EL30A							Audit				Comments
		Total	DS850	M650	DS200	M100	iVo	Flash	iVo	Opt	Man	Delta	
0001	Centennial	105	0	0	0	0	105	0	105	0	0	0	
0002	Clyde	75	0	0	0	0	75	0	75	0	0	0	
0003	Delmar	71	0	0	0	0	71	0	71	0	0	0	
0005	Fruit Hill	56	0	0	0	0	56	0	56	0	0	0	
0006	Higgins - Zoar	84	0	0	0	0	84	0	84	0	0	0	
0007	Holly	210	0	0	0	0	210	0	210	0	0	0	
0008	Hollywood	277	0	0	0	0	277	0	277	0	0	0	
0009	Holstons	103	0	0	0	0	103	0	103	0	0	0	
0010	Mayson	64	0	0	0	0	64	0	64	0	0	0	
0012	Mt Willing	43	0	0	0	0	43	0	43	0	0	0	
0013	Pleasant Cross	30	0	0	0	0	30	0	30	0	0	0	
0014	Pleasant Grove	167	0	0	0	0	167	0	167	0	0	0	
0015	Richland	109	0	0	0	0	109	0	109	0	0	0	
0016	Ridge Spring - Monet	91	0	0	0	0	91	0	91	0	0	0	
0017	Saluda No 1	75	0	0	0	0	75	0	75	0	0	0	
0018	Saluda No 2	200	0	0	0	0	200	0	200	0	0	0	
0019	Sardis	112	0	0	0	0	112	0	112	0	0	0	
0020	Ward	56	0	0	0	0	56	0	56	0	0	0	
Precincts Total:		1928	0	0	0	0	1928	0	1928	0	0	0	
0750	Absentee	72	0	0	0	6	66	0	66	6	0	0	
0800	Emergency	0	0	0	0	0	0	0	0	0	0	0	
0850	Fail safe	0	0	0	0	0	0	0	0	0	0	0	
0900	Provisional	0	0	0	0	0	0	0	0	0	0	0	
0950	Fail safe Provisional	0	0	0	0	0	0	0	0	0	0	0	
Virtual Precincts Total:		72	0	0	0	6	66	0	66	6	0	0	
Grand Total:		2000	0	0	0	6	1994	0	1994	6	0	0	

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

Auditor's Comments:

Total number of iVotronic ballots cast containing no votes: 5
 The following precincts have no ballots cast in them: Emergency, Fail safe, Provisional, Fail safe Provisional
 This audit is complete and has no exceptions.

Status of ERM Reports
 EL30A is marked Official
 EL45A is marked Official

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

EL30A iVo Ballots	EL155 Ballots	EL152 Ballots	
1994	1994	1994	
Delta from EL30A	0	0	
	Delta from EL155	0	
	Cast By Voter	1992	
	Cast By Poll Wkr	2	
	Blank Cast by PW	0	
	Cancelled Ballots	22	
	Wrong Ballot	0	
	Voter Left AB	0	(AB = After ballot selected by poll worker.)
	Voter Left BB	0	(BB = Before ballot selected by poll worker.)
	Voter Request	2	
	Printer Problem	1	
	Terminal Problem	3	
	Other Reason	16	

Number of audio (ADA) events in this election: 0

Note: The following machines(s) have audit records but no ballots were cast on them: 5129006
 Because they do not have ballots cast, they cannot be matched to a precinct. This is not an issue as long as the EL30A iVo Ballots, the EL155 Ballots and the EL152 Ballots match in the table immediately above.

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 precinct 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. Counting 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 electronically 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

Saluda 2018 Statewide Primary Runoff Audit Report
 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 highlighted 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.

 Saluda Vote Level Audit Report
 Election: 2018 Statewide Primary Runoff
 Audit Date: 13:11:28, Thu Jun 28, 2018

Precinct Number / Name	EL30A	Audit	Party	Total	DS850	M650	DS200	M100	iVo
Office Flash iVo Delta Comments	Candidate								

0001 Centennial									
REP - Governor	Henry McMaster			63	0	0	0	0	63
0 63 0									
REP - Governor	John Warren			42	0	0	0	0	42
0 42 0									
REP - Attorney General	Todd Atwater			27	0	0	0	0	27
0 27 0									
REP - Attorney General	Alan Wilson			77	0	0	0	0	77
0 77 0									

0002 Clyde									
REP - Governor	Henry McMaster			43	0	0	0	0	43
0 43 0									
REP - Governor	John Warren			32	0	0	0	0	32
0 32 0									
REP - Attorney General	Todd Atwater			27	0	0	0	0	27
0 27 0									
REP - Attorney General	Alan Wilson			48	0	0	0	0	48
0 48 0									

0003 Delmar									
REP - Governor	Henry McMaster			49	0	0	0	0	49
0 49 0									
REP - Governor	John Warren			22	0	0	0	0	22
0 22 0									
REP - Attorney General	Todd Atwater			16	0	0	0	0	16
0 16 0									
REP - Attorney General	Alan Wilson			54	0	0	0	0	54
0 54 0									

0005 Fruit Hill									
REP - Governor	Henry McMaster			39	0	0	0	0	39
0 39 0									
REP - Governor	John Warren			16	0	0	0	0	16
0 16 0									
REP - Attorney General	Todd Atwater			19	0	0	0	0	19
0 19 0									
REP - Attorney General	Alan Wilson			36	0	0	0	0	36
0 36 0									

0006 Higgins - Zoar									
REP - Governor	Henry McMaster			60	0	0	0	0	60
0 60 0									
REP - Governor	John Warren			23	0	0	0	0	23
0 23 0									
REP - Attorney General	Todd Atwater			30	0	0	0	0	30
0 30 0									
REP - Attorney General	Alan Wilson			52	0	0	0	0	52
0 52 0									

0007 Holly									
REP - Governor	Henry McMaster			138	0	0	0	0	138
0 138 0									
REP - Governor	John Warren			72	0	0	0	0	72
0 72 0									
REP - Attorney General	Todd Atwater			72	0	0	0	0	72
0 72 0									

Saluda 2018 Statewide Primary Runoff Audit Report

0 72 0
 REP - Attorney General Alan Wilson 134 0 0 0 0 134
 0 134 0

0008 Hollywood
 #####

REP - Governor Henry McMaster 193 0 0 0 0 193
 0 193 0
 REP - Governor John Warren 82 0 0 0 0 82
 0 82 0
 REP - Attorney General Todd Atwater 74 0 0 0 0 74
 0 74 0
 REP - Attorney General Alan Wilson 200 0 0 0 0 200
 0 200 0

0009 Holston
 #####

REP - Governor Henry McMaster 76 0 0 0 0 76
 0 76 0
 REP - Governor John Warren 27 0 0 0 0 27
 0 27 0
 REP - Attorney General Todd Atwater 24 0 0 0 0 24
 0 24 0
 REP - Attorney General Alan Wilson 77 0 0 0 0 77
 0 77 0

0010 Mayson
 #####

REP - Governor Henry McMaster 48 0 0 0 0 48
 0 48 0
 REP - Governor John Warren 16 0 0 0 0 16
 0 16 0
 REP - Attorney General Todd Atwater 22 0 0 0 0 22
 0 22 0
 REP - Attorney General Alan Wilson 42 0 0 0 0 42
 0 42 0

0012 Mt Willing
 #####

REP - Governor Henry McMaster 23 0 0 0 0 23
 0 23 0
 REP - Governor John Warren 20 0 0 0 0 20
 0 20 0
 REP - Attorney General Todd Atwater 13 0 0 0 0 13
 0 13 0
 REP - Attorney General Alan Wilson 28 0 0 0 0 28
 0 28 0

0013 Pleasant Cross
 #####

REP - Governor Henry McMaster 17 0 0 0 0 17
 0 17 0
 REP - Governor John Warren 13 0 0 0 0 13
 0 13 0
 REP - Attorney General Todd Atwater 15 0 0 0 0 15
 0 15 0
 REP - Attorney General Alan Wilson 12 0 0 0 0 12
 0 12 0

0014 Pleasant Grove
 #####

REP - Governor Henry McMaster 109 0 0 0 0 109
 0 109 0
 REP - Governor John Warren 58 0 0 0 0 58
 0 58 0
 REP - Attorney General Todd Atwater 64 0 0 0 0 64
 0 64 0
 REP - Attorney General Alan Wilson 99 0 0 0 0 99
 0 99 0

0015 Richland
 #####

REP - Governor Henry McMaster 70 0 0 0 0 70
 0 70 0
 REP - Governor John Warren 38 0 0 0 0 38
 0 38 0
 REP - Attorney General Todd Atwater 33 0 0 0 0 33
 0 33 0
 REP - Attorney General Alan Wilson 72 0 0 0 0 72
 0 72 0

0016 Ridge Spring - Monetta
 #####

REP - Governor Henry McMaster 43 0 0 0 0 43
 0 43 0
 REP - Governor John Warren 48 0 0 0 0 48
 0 48 0
 REP - Attorney General Todd Atwater 38 0 0 0 0 38
 0 38 0
 REP - Attorney General Alan Wilson 50 0 0 0 0 50
 0 50 0

0017 Saluda No 1
 #####

REP - Governor Henry McMaster 48 0 0 0 0 48
 0 48 0
 REP - Governor John Warren 25 0 0 0 0 25
 0 25 0
 REP - Attorney General Todd Atwater 33 0 0 0 0 33
 0 33 0
 REP - Attorney General Alan Wilson 41 0 0 0 0 41
 0 41 0

Saluda 2018 Statewide Primary Runoff Audit Report

0018 Saluda No 2

```
#####
#####
REP - Governor Henry McMaster 123 0 0 0 0 123
0 123 0
REP - Governor John Warren 76 0 0 0 0 76
0 76 0
REP - Attorney General Todd Atwater 63 0 0 0 0 63
0 63 0
REP - Attorney General Alan Wilson 134 0 0 0 0 134
0 134 0
```

0019 Sardis

```
#####
#####
REP - Governor Henry McMaster 70 0 0 0 0 70
0 70 0
REP - Governor John Warren 42 0 0 0 0 42
0 42 0
REP - Attorney General Todd Atwater 35 0 0 0 0 35
0 35 0
REP - Attorney General Alan Wilson 76 0 0 0 0 76
0 76 0
```

0020 Ward

```
#####
#####
REP - Governor Henry McMaster 42 0 0 0 0 42
0 42 0
REP - Governor John Warren 13 0 0 0 0 13
0 13 0
REP - Attorney General Todd Atwater 19 0 0 0 0 19
0 19 0
REP - Attorney General Alan Wilson 32 0 0 0 0 32
0 32 0
```

0750 Absentee

```
#####
#####
REP - Governor Henry McMaster 32 0 0 0 1 31
0 31 0
REP - Governor John Warren 40 0 0 0 5 35
0 35 0
REP - Attorney General Todd Atwater 28 0 0 0 5 23
0 23 0
REP - Attorney General Alan Wilson 43 0 0 0 1 42
0 42 0
```

0800 Emergency

```
#####
#####
REP - Governor Henry McMaster 0 0 0 0 0 0
0 * No Votes Cast - No Audit Data expected.
REP - Governor John Warren 0 0 0 0 0 0
0 * No Votes Cast - No Audit Data expected.
REP - Attorney General Todd Atwater 0 0 0 0 0 0
0 * No Votes Cast - No Audit Data expected.
REP - Attorney General Alan Wilson 0 0 0 0 0 0
0 * No Votes Cast - No Audit Data expected.
```

0850 Fail safe

```
#####
#####
REP - Governor Henry McMaster 0 0 0 0 0 0
0 * No Votes Cast - No Audit Data expected.
REP - Governor John Warren 0 0 0 0 0 0
0 * No Votes Cast - No Audit Data expected.
REP - Attorney General Todd Atwater 0 0 0 0 0 0
0 * No Votes Cast - No Audit Data expected.
REP - Attorney General Alan Wilson 0 0 0 0 0 0
0 * No Votes Cast - No Audit Data expected.
```

0900 Provisional

```
#####
#####
REP - Governor Henry McMaster 0 0 0 0 0 0
0 * No Votes Cast - No Audit Data expected.
REP - Governor John Warren 0 0 0 0 0 0
0 * No Votes Cast - No Audit Data expected.
REP - Attorney General Todd Atwater 0 0 0 0 0 0
0 * No Votes Cast - No Audit Data expected.
REP - Attorney General Alan Wilson 0 0 0 0 0 0
0 * No Votes Cast - No Audit Data expected.
```

0950 Fail safe Provisional

```
#####
#
REP - Governor Henry McMaster 0 0 0 0 0 0
0 * No Votes Cast - No Audit Data expected.
REP - Governor John Warren 0 0 0 0 0 0
0 * No Votes Cast - No Audit Data expected.
REP - Attorney General Todd Atwater 0 0 0 0 0 0
0 * No Votes Cast - No Audit Data expected.
REP - Attorney General Alan Wilson 0 0 0 0 0 0
0 * No Votes Cast - No Audit Data expected.
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.

Saluda 2018 Statewide Primary Runoff Audit Report

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 counting the number of times a candidate name for a contest appears in a precinct 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 electronically 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 precinct 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.

Finally 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

 Saluda EL30A45A Comparison Report
 Election: 2018 Statewide Primary Runoff
 Audit Date: 13:11:36, Thu Jun 28, 2018

-----EL30A-----							-----EL45A-----						
Office	Tot	DS850	M650	DS200	M100	Candidate	Party	Tot	DS850	M650	DS200	M100	iVo
Flash						iVo Flash Delta							
Governor	0	1286	0	0	0	1	Henry McMaster	1286	0	0	0	1	1285
Governor	0	705	0	0	0	5	John Warren	705	0	0	0	5	700
Attorney General	0	652	0	0	0	5	Todd Atwater	652	0	0	0	5	647
Attorney General	0	1307	0	0	0	1	Alan Wilson	1307	0	0	0	1	1306

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 precinct 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.

 Saluda PEB Use Report
 Election: 2018 Statewide Primary Runoff
 Audit Date: 13:11:04, Thu Jun 28, 2018

Precinct	PEBs Used	Comments
Centennial	144254	
Clyde	245890	
Delmar	134762	
Fruit Hill	134202	
Higgins - Zoar	118805	
Holly	145106	
Hollywood	245868	
Holstons	245924	
Mayson	246016	

Saluda 2018 Statewide Primary Runoff Audit Report

Mt Willing	155194
Pleasant Cross	245960
Pleasant Grove	141197
Richland	245855
Ridge Spring - Monet	145045
Saluda No 1	139312
Saluda No 2	229788
Sardis	151254
Ward	147391
Absentee	139085

19 precincts processed

The following precinct(s) have no ballots cast in them: Emergency, Failsafe, Provisional, Failsafe Provisional
 Note: if there are no ballots cast in a precinct the machines in that precinct cannot be identified so these precinct(s) will not appear in this report.

How to read this report.

This is the PEB Used report. It lists the precincts 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.

 Saluda PEB Exceptions Report
 Election: 2018 Statewide Primary Runoff
 Election date: 2018-06-26
 Audit Date: 13:11:04, Thu Jun 28, 2018

iVo #	Op PEB	Open Time	Cl PEB	Close Time	Exception Type	Precinct - Ballots Cast
5122058	139085	2018-06-18 14:22:30	139085	2018-06-26 19:03:24	>>Open Date<<	Absentee - 51
5122058	139085	2018-06-18 14:22:30	139085	2018-06-26 19:03:24	Open Time	Absentee - 51
5125761	246016	2018-06-26 07:00:52	246016	2018-06-26 19:05:33	Open Time	Mayson - 32
5128292	139312	2018-06-26 08:07:24	139312	2018-06-26 19:02:44	Open Time	Saluda No 1 - 3
5129006	151254	2018-06-26 06:35:07	246016	2018-06-26 19:58:06	>>>O/C PEBs<<<	>>>No Ballots<<<
5133852	139085	2018-06-18 14:12:10	139085	2018-06-26 19:02:08	>>Open Date<<	Absentee - 15
5133852	139085	2018-06-18 14:12:10	139085	2018-06-26 19:02:08	Open Time	Absentee - 15

The following machines(s) have audit records but no ballots were cast on them: 5129006
 Because they do not have ballots cast, they cannot be matched to a precinct.

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.

Absentee and Failsafe precinct machines are opened during the middle of the day several days before the election date of 2018-06-26. So it is normal for these machines to appear on this report with Open Date and Open Time exceptions.