

Georgetown Ballot Audit Report

Georgetown Ballot Audit Report
 Election: Senate 32 Democratic Runoff
 Audit Date: 13:4:7, Thu Sep 18, 2014

Prec Nber	Precinct Name	EL30A				Audit				Comments
		Total	Opt	iVo	Flash	iVo	Opt	Man	Delta	
0101	Andrews	429	0	429	0	429	0	0	0	
0102	Andrews Outside	253	0	253	0	253	0	0	0	
0103	Bethel	133	0	133	0	133	0	0	0	
0104	Black River	200	0	200	0	200	0	0	0	
0105	Brown's Ferry	447	0	447	0	447	0	0	0	
0106	Carver's Bay	29	0	29	0	29	0	0	0	
0107	Lambert Town	141	0	141	0	141	0	0	0	
0108	Choppee	186	0	186	0	186	0	0	0	
0109	DreamKeepers	209	0	209	0	209	0	0	0	
0110	Folly Grove	160	0	160	0	160	0	0	0	
0111	Georgetown #1	241	0	241	0	241	0	0	0	
0112	Georgetown #3	177	0	177	0	177	0	0	0	
0113	Georgetown #4	150	0	150	0	150	0	0	0	
0114	Georgetown #5	207	0	207	0	207	0	0	0	
0115	Pee Dee	84	0	84	0	84	0	0	0	
0116	Kensington	193	0	193	0	193	0	0	0	
0121	Myersville	119	0	119	0	119	0	0	0	
0127	Penny Royal	95	0	95	0	95	0	0	0	
0128	Plantersville	169	0	169	0	169	0	0	0	
0129	Pleasant Hill	174	0	174	0	174	0	0	0	
0130	Potato Bed Ferry	156	0	156	0	156	0	0	0	
0131	Sampit	220	0	220	0	220	0	0	0	
0132	Santee	256	0	256	0	256	0	0	0	
0133	Spring Gulley	254	0	254	0	254	0	0	0	
0134	Winyah Bay	117	0	117	0	117	0	0	0	
Precincts Total:		4799	0	4799	0	4799	0	0	0	
0750	Absentee	575	329	246	0	246	0	329	0	
0800	Emergency	0	0	0	0	0	0	0	0	
0850	Fail safe	10	0	10	0	10	0	0	0	
0900	Provisional	2	2	0	0	0	0	2	0	
0950	Fail safe Provisional	6	6	0	0	0	0	6	0	
Virtual Precincts Total:		593	337	256	0	256	0	337	0	
Grand Total:		5392	337	5055	0	5055	0	337	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: 41
 The following precincts have no ballots cast in them: Emergency
 This audit is complete and has one exception:

The county was unable to read their PEBs into Unity so manually entries for the totals from the paper tapes were made rather than recover them from the flash cards. The manual entries match the audit

Georgetown Ballot Audit Report

records retrieved from the flash cards.

Note: The paper ballots used in the virtual precincts were from the Primary with the candidates who were eliminated in the primary marked out. This is a normal procedure but requires the manual entry of the results from those precincts as shown above.

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

EL30A Ivo Ballots	EL155 Ballots	EL152 Ballots	
5055 Delta from EL30A	5055 0 Delta from EL155	5055 0 0	
	Cast By Voter	5054	
	Cast By Poll Wkr	1	
	Blank Cast by PW	0	
	Cancelled Ballots	11	
	Wrong Ballot	4	
	Voter Left AB	0	(AB = After ballot selected by poll worker.)
	Voter Left BB	1	(BB = Before ballot selected by poll worker.)
	Voter Request	0	
	Printer Problem	2	
	Terminal Problem	1	
	Other Reason	3	

Note: The following machines(s) have audit records but no ballots were cast on them: 5122773, 5128529
 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

Georgetown Ballot Audit Report

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 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 number ballots cast in the EL30A match the numbers in the EL155 and the EL152 report. Then there are some statistics pulled from the EL152 report 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.

Georgetown Vote Audit

Georgetown Vote Level Audit Report
 Election: Senate 32 Democratic Runoff
 Audit Date: 13:10:12, Thu Sep 18, 2014

Precinct Number / Name Office	Candidate	Party	EL30A				Audit		Comments
			Total	Optical	iVo	Flash	iVo	Delta	
0101 Andrews									
State Senate District 32	Sam L Floyd		141	0	141	0	141	0	
State Senate District 32	Ronnie A Sabb		286	0	286	0	286	0	
0102 Andrews Outside									
State Senate District 32	Sam L Floyd		130	0	130	0	130	0	
State Senate District 32	Ronnie A Sabb		121	0	121	0	121	0	
0103 Bethel									
State Senate District 32	Sam L Floyd		126	0	126	0	126	0	
State Senate District 32	Ronnie A Sabb		7	0	7	0	7	0	
0104 Black River									
State Senate District 32	Sam L Floyd		160	0	160	0	160	0	
State Senate District 32	Ronnie A Sabb		40	0	40	0	40	0	
0105 Brown's Ferry									
State Senate District 32	Sam L Floyd		44	0	44	0	44	0	
State Senate District 32	Ronnie A Sabb		398	0	398	0	398	0	
0106 Carver's Bay									
State Senate District 32	Sam L Floyd		24	0	24	0	24	0	
State Senate District 32	Ronnie A Sabb		5	0	5	0	5	0	
0107 Lambert Town									
State Senate District 32	Sam L Floyd		121	0	121	0	121	0	
State Senate District 32	Ronnie A Sabb		19	0	19	0	19	0	
0108 Choppee									
State Senate District 32	Sam L Floyd		38	0	38	0	38	0	
State Senate District 32	Ronnie A Sabb		145	0	145	0	145	0	
0109 DreamKeepers									
State Senate District 32	Sam L Floyd		5	0	5	0	5	0	
State Senate District 32	Ronnie A Sabb		199	0	199	0	199	0	
0110 Folly Grove									
State Senate District 32	Sam L Floyd		124	0	124	0	124	0	
State Senate District 32	Ronnie A Sabb		36	0	36	0	36	0	
0111 Georgetown #1									
State Senate District 32	Sam L Floyd		166	0	166	0	166	0	
State Senate District 32	Ronnie A Sabb		73	0	73	0	73	0	

Georgetown Vote Audit

0112	Georgetown #3						
State	Senate District 32	Sam L Floyd	19	0	19	0	19
State	Senate District 32	Ronnie A Sabb	156	0	156	0	156
0113	Georgetown #4						
State	Senate District 32	Sam L Floyd	120	0	120	0	120
State	Senate District 32	Ronnie A Sabb	30	0	30	0	30
0114	Georgetown #5						
State	Senate District 32	Sam L Floyd	134	0	134	0	134
State	Senate District 32	Ronnie A Sabb	72	0	72	0	72
0115	Pee Dee						
State	Senate District 32	Sam L Floyd	19	0	19	0	19
State	Senate District 32	Ronnie A Sabb	64	0	64	0	64
0116	Kensington						
State	Senate District 32	Sam L Floyd	155	0	155	0	155
State	Senate District 32	Ronnie A Sabb	37	0	37	0	37
0121	Myersville						
State	Senate District 32	Sam L Floyd	7	0	7	0	7
State	Senate District 32	Ronnie A Sabb	111	0	111	0	111
0127	Penny Royal						
State	Senate District 32	Sam L Floyd	56	0	56	0	56
State	Senate District 32	Ronnie A Sabb	39	0	39	0	39
0128	Plantersville						
State	Senate District 32	Sam L Floyd	28	0	28	0	28
State	Senate District 32	Ronnie A Sabb	140	0	140	0	140
0129	Pleasant Hill						
State	Senate District 32	Sam L Floyd	111	0	111	0	111
State	Senate District 32	Ronnie A Sabb	62	0	62	0	62
0130	Potato Bed Ferry						
State	Senate District 32	Sam L Floyd	98	0	98	0	98
State	Senate District 32	Ronnie A Sabb	55	0	55	0	55
0131	Sampit						
State	Senate District 32	Sam L Floyd	23	0	23	0	23
State	Senate District 32	Ronnie A Sabb	194	0	194	0	194
0132	Santee						
State	Senate District 32	Sam L Floyd	17	0	17	0	17
State	Senate District 32	Ronnie A Sabb	234	0	234	0	234
0133	Spring Gulley						
State	Senate District 32	Sam L Floyd	79	0	79	0	79
State	Senate District 32	Ronnie A Sabb	175	0	175	0	175

Georgetown Vote Audit

0134	Winyah Bay							
State Senate District 32		Sam L Floyd	77	0	77	0	77	0
State Senate District 32		Ronnie A Sabb	39	0	39	0	39	0
0750	Absentee							
State Senate District 32		Sam L Floyd	82	22	60	0	60	0
State Senate District 32		Ronnie A Sabb	489	303	186	0	186	0
0800	Emergency							
State Senate District 32		Sam L Floyd	0	0	0	0	* No Audit Data expected or found	
State Senate District 32		Ronnie A Sabb	0	0	0	0	* No Audit Data expected or found	
0850	Fail safe							
State Senate District 32		Sam L Floyd	2	0	2	0	2	0
State Senate District 32		Ronnie A Sabb	7	0	7	0	7	0
0900	Provisional							
State Senate District 32		Sam L Floyd	1	1	0	0	* All votes cast for this candidate in this precinct are optical. * No Audit Data for optical.	
State Senate District 32		Ronnie A Sabb	1	1	0	0	* All votes cast for this candidate in this precinct are optical. * No Audit Data for optical.	
0950	Fail safe Provisional							
State Senate District 32		Sam L Floyd	3	3	0	0	* All votes cast for this candidate in this precinct are optical. * No Audit Data for optical.	
State Senate District 32		Ronnie A Sabb	3	3	0	0	* All votes cast for this candidate in this precinct are optical. * No Audit Data for optical.	

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

Georgetown Vote Audit

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 candidate. 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

Georgetown EL30A45A Compare

Georgetown EL30A45A Comparison Report
 Election: Senate 32 Democratic Runoff
 Audit Date: 13:10:46, Thu Sep 18, 2014

Office	Candidate	Party	EL30A				EL45A				Delta
			Tot	Opt	iVo	Flash	Tot	Opt	iVo	Flash	
State Senate District 32	Sam L Floyd		2110	26	2084	0	2110	26	2084	0	0
State Senate District 32	Ronnie A Sabb		3237	307	2930	0	3237	307	2930	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.

Georgetown PEB Use Report
 Election: Senate 32 Democratic Runoff
 Audit Date: 13:4:7, Thu Sep 18, 2014

Precinct	PEBs Used	Comments
Andrews	151033	
Andrews Outside	151033	
Bethel	155192	
Black River	118545	
Brown's Ferry	119043	
Carver's Bay	118042	
Lambert Town	148136	
Choppee	133726	
DreamKeepers	147659	
Folly Grove	133649	
Georgetown #1	112682	
Georgetown #3	124428	
Georgetown #4	100126	
Georgetown #5	124666	
Pee Dee	152331	
Kensington	154839	
Myersville	112827	
Penny Royal	119371	
Plantersville	145274	
Pleasant Hill	135631	
Potato Bed Ferry	151542	
Sampit	155554	
Santee	155048	
Spring Gully	119821	
Winyah Bay	119371	
Absentee	155271	
Fail safe	155271	

27 precincts processed

The following precinct(s) have no ballots cast in them: Emergency
 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.

Georgetown PEBExceptionsReport

Georgetown PEB Exceptions Report
 Election: Senate 32 Democratic Runoff
 Election date: 09/16/2014
 Audit Date: 13:4:7, Thu Sep 18, 2014

iVo #	Op PEB	Open Time	Cl PEB	Close Time	Exception Type	Precinct - Ballots Cast
5107290	118545	09/16/2014 07:04:30	118545	09/16/2014 19:07:06	Open Time	Black River - 117
5119339	155271	09/09/2014 12:21:33	155271	09/16/2014 19:02:47	>>Open Date<<	Absentee - 130
5119339	155271	09/09/2014 12:21:33	155271	09/16/2014 19:02:47	Open Time	Absentee - 130
5119814	118545	09/16/2014 07:01:54	118545	09/16/2014 19:11:35	Open Time	Black River - 31
5122233	118545	09/16/2014 07:15:26	118545	09/16/2014 19:03:53	Open Time	Black River - 52
5123110	155271	09/09/2014 12:06:36	155271	09/16/2014 19:01:15	>>Open Date<<	Absentee - 116
5123110	155271	09/09/2014 12:06:36	155271	09/16/2014 19:01:15	Open Time	Fail safe - 10
5126767	133726	09/16/2014 07:01:58	133726	09/16/2014 19:08:25	Open Time	Fail safe - 10
						Choppee - 57

The following machines(s) have audit records but no ballots were cast on them: 5122773, 5128529
 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 Fail safe precinct machines are opened during the middle of the day several days before the election date
 of 09/16/2014. So it is normal for these machines to appear on this report with Open Date and Open Time exceptions.