

Barnwell Ballot Audit Report

Barnwell Ballot Audit Report
 Election: Democratic ppp
 Audit Date: 11:33:34, Thu Mar 3, 2016

Prec Nber	Precinct Name	EL30A				Audit				Comments
		Total	Opt	iVo	Flash	iVo	Opt	Man	Delta	
0001	Barnwell 1	81	0	81	0	81	0	0	0	
0002	Barnwell 2	149	0	149	0	149	0	0	0	
0003	Barnwell 3	132	0	132	0	132	0	0	0	
0004	Barnwell 4	169	0	169	0	169	0	0	0	
0005	Blackville 1	152	0	152	0	152	0	0	0	
0006	Blackville 2	101	0	101	0	101	0	0	0	
0007	Elko	94	0	94	0	94	0	0	0	
0008	Friendship	7	0	7	0	7	0	0	0	
0009	Kline	51	0	51	0	51	0	0	0	
0010	Healing Springs	169	0	169	0	169	0	0	0	
0011	Hilda	17	0	17	0	17	0	0	0	
0012	Snelling	128	0	128	0	128	0	0	0	
0013	Williston 1	214	0	214	0	214	0	0	0	
0014	Williston 2	28	0	28	0	28	0	0	0	
0015	Williston 3	64	0	64	0	64	0	0	0	
Precincts Total:		1556	0	1556	0	1556	0	0	0	
0750	Absentee	223	57	166	0	166	57	0	0	
0800	Emergency	0	0	0	0	0	0	0	0	
0850	Fail safe	21	1	20	0	20	1	0	0	
0900	Provisional	0	0	0	0	0	0	0	0	
0950	Fail safe Provisional	0	0	0	0	0	0	0	0	
Virtual Precincts Total:		244	58	186	0	186	58	0	0	
Grand Total:		1800	58	1742	0	1742	58	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: 15
 The following precincts have no ballots cast in them: Emergency, Provisional, Fail safe Provisional
 This audit is complete and has no exceptions.

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

EL30A iVo Ballots	EL155 Ballots	EL152 Ballots
1742	1742	1742
Delta from EL30A	0	0
	Delta from EL155	0
	Cast By Voter	1741
	Cast By Poll Wkr	1
	Blank Cast by PW	0

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Cancelled Ballots	9
Wrong Ballot	0
Voter Left AB	0
Voter Left BB	0
Voter Request	2
Printer Problem	0
Terminal Problem	1
Other Reason	6

(AB = After ballot selected by poll worker.)
 (BB = Before ballot selected by poll worker.)

Number of ADA audio enabled events in this election: 25

Precinct Number and Name	Machine	Date	Time
0001 Barnwell 1	5123548	02/20/2016	11:32:34
0001 Barnwell 1	5129877	02/20/2016	11:30:55
0002 Barnwell 2	5121700	02/22/2016	10:22:50
0003 Barnwell 3	5124939	02/19/2016	13:13:18
0003 Barnwell 3	5124939	02/20/2016	11:22:01
0003 Barnwell 3	5124752	02/20/2016	11:19:44
0004 Barnwell 4	5124416	02/22/2016	11:00:41
0005 Blackville 1	5126159	02/22/2016	11:32:23
0006 Blackville 2	5120696	02/22/2016	12:37:41
0006 Blackville 2	5132381	02/22/2016	12:40:22
0007 Elko	5121836	02/23/2016	11:47:17
0007 Elko	5135513	02/23/2016	11:46:10
0008 Friendship	5120191	02/22/2016	15:29:19
0009 Kline	5132712	02/23/2016	09:33:22
0009 Kline	5119667	02/23/2016	09:35:53
0010 Healing Springs	5123342	02/22/2016	13:02:09
0010 Healing Springs	5135541	02/22/2016	13:03:31
0011 Hilda	5128561	02/22/2016	14:31:37
0012 Snelling	5125498	02/23/2016	10:01:53
0012 Snelling	5124665	02/23/2016	10:03:41
0012 Snelling	5128516	02/23/2016	10:00:14
0013 Williston 1	5121078	02/23/2016	10:33:17
0014 Williston 2	5128921	02/23/2016	10:58:19
0014 Williston 2	5133252	02/23/2016	10:59:37
0015 Williston 3	5130264	02/23/2016	11:19:45

Electi on Date: 02/27/2016

In all but the Absentee Precinct events reported before election day are due to testing. Machines reported with precinct unknown had ADA Audio Enabled Events but no ballots were cast on them.

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),

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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 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.

Barnwell Vote Audit

Barnwell Vote Level Audit Report
 Election: Democratic ppp
 Audit Date: 11:34:14, Thu Mar 3, 2016

Precinct Number / Name Office	Candidate	Party	EL30A				Audit		Comments
			Total	Optical	iVo	Flash	iVo	Delta	
0001 Barnwell 1									
President	Hillary Clinton		72	0	72	0	72	0	
President	Martin O'Malley		0	0	0	0	* No Audit Data	expected or found	
President	Bernie Sanders		8	0	8	0	8	0	
President	Willie Wilson		0	0	0	0	* No Audit Data	expected or found	
0002 Barnwell 2									
President	Hillary Clinton		123	0	123	0	123	0	
President	Martin O'Malley		0	0	0	0	* No Audit Data	expected or found	
President	Bernie Sanders		23	0	23	0	23	0	
President	Willie Wilson		1	0	1	0	1	0	
0003 Barnwell 3									
President	Hillary Clinton		107	0	107	0	107	0	
President	Martin O'Malley		0	0	0	0	* No Audit Data	expected or found	
President	Bernie Sanders		25	0	25	0	25	0	
President	Willie Wilson		0	0	0	0	* No Audit Data	expected or found	
0004 Barnwell 4									
President	Hillary Clinton		148	0	148	0	148	0	
President	Martin O'Malley		0	0	0	0	* No Audit Data	expected or found	
President	Bernie Sanders		20	0	20	0	20	0	
President	Willie Wilson		1	0	1	0	1	0	
0005 Blackville 1									
President	Hillary Clinton		131	0	131	0	131	0	
President	Martin O'Malley		0	0	0	0	* No Audit Data	expected or found	
President	Bernie Sanders		18	0	18	0	18	0	
President	Willie Wilson		2	0	2	0	2	0	
0006 Blackville 2									
President	Hillary Clinton		83	0	83	0	83	0	
President	Martin O'Malley		0	0	0	0	* No Audit Data	expected or found	
President	Bernie Sanders		15	0	15	0	15	0	
President	Willie Wilson		0	0	0	0	* No Audit Data	expected or found	
0007 Elko									
President	Hillary Clinton		80	0	80	0	80	0	
President	Martin O'Malley		0	0	0	0	* No Audit Data	expected or found	
President	Bernie Sanders		13	0	13	0	13	0	
President	Willie Wilson		0	0	0	0	* No Audit Data	expected or found	
0008 Friendship									
President	Hillary Clinton		7	0	7	0	7	0	

Barnwell Vote Audit

President	Martin O'Malley	0	0	0	0	* No Audit Data expected or found
President	Bernie Sanders	0	0	0	0	* No Audit Data expected or found
President	Willie Wilson	0	0	0	0	* No Audit Data expected or found
0009 Kline						
President	Hillary Clinton	46	0	46	0	46 0
President	Martin O'Malley	0	0	0	0	* No Audit Data expected or found
President	Bernie Sanders	5	0	5	0	5 0
President	Willie Wilson	0	0	0	0	* No Audit Data expected or found
0010 Healing Springs						
President	Hillary Clinton	158	0	158	0	158 0
President	Martin O'Malley	0	0	0	0	* No Audit Data expected or found
President	Bernie Sanders	9	0	9	0	9 0
President	Willie Wilson	0	0	0	0	* No Audit Data expected or found
0011 Hilda						
President	Hillary Clinton	14	0	14	0	14 0
President	Martin O'Malley	0	0	0	0	* No Audit Data expected or found
President	Bernie Sanders	3	0	3	0	3 0
President	Willie Wilson	0	0	0	0	* No Audit Data expected or found
0012 Snelling						
President	Hillary Clinton	112	0	112	0	112 0
President	Martin O'Malley	1	0	1	0	1 0
President	Bernie Sanders	15	0	15	0	15 0
President	Willie Wilson	0	0	0	0	* No Audit Data expected or found
0013 Williston 1						
President	Hillary Clinton	184	0	184	0	184 0
President	Martin O'Malley	0	0	0	0	* No Audit Data expected or found
President	Bernie Sanders	24	0	24	0	24 0
President	Willie Wilson	4	0	4	0	4 0
0014 Williston 2						
President	Hillary Clinton	22	0	22	0	22 0
President	Martin O'Malley	1	0	1	0	1 0
President	Bernie Sanders	5	0	5	0	5 0
President	Willie Wilson	0	0	0	0	* No Audit Data expected or found
0015 Williston 3						
President	Hillary Clinton	53	0	53	0	53 0
President	Martin O'Malley	1	0	1	0	1 0
President	Bernie Sanders	7	0	7	0	7 0
President	Willie Wilson	1	0	1	0	1 0
0750 Absentee						
President	Hillary Clinton	203	52	151	0	151 0
President	Martin O'Malley	2	1	1	0	1 0
President	Bernie Sanders	16	4	12	0	12 0
President	Willie Wilson	1	0	1	0	1 0

Barnwell Vote Audit

Ballot Type	Candidate	Total	Optical	iVo	Flash	Audit
0800 Emergency						
President	Hillary Clinton	0	0	0	0	0 * No Audit Data expected or found
President	Martin O' Malley	0	0	0	0	0 * No Audit Data expected or found
President	Bernie Sanders	0	0	0	0	0 * No Audit Data expected or found
President	Willie Wilson	0	0	0	0	0 * No Audit Data expected or found
0850 Fail safe						
President	Hillary Clinton	18	1	17	0	17 0
President	Martin O' Malley	0	0	0	0	0 * No Audit Data expected or found
President	Bernie Sanders	3	0	3	0	3 0
President	Willie Wilson	0	0	0	0	0 * No Audit Data expected or found
0900 Provi si onal						
President	Hillary Clinton	0	0	0	0	0 * No Audit Data expected or found
President	Martin O' Malley	0	0	0	0	0 * No Audit Data expected or found
President	Bernie Sanders	0	0	0	0	0 * No Audit Data expected or found
President	Willie Wilson	0	0	0	0	0 * No Audit Data expected or found
0950 Fail safe Provi si onal						
President	Hillary Clinton	0	0	0	0	0 * No Audit Data expected or found
President	Martin O' Malley	0	0	0	0	0 * No Audit Data expected or found
President	Bernie Sanders	0	0	0	0	0 * No Audit Data expected or found
President	Willie Wilson	0	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.

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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

Barnwell EL30A45A Comparison Report
 Election: Democratic ppp
 Audit Date: 11:35:14, Thu Mar 3, 2016

Barnwell EL30A45A Compare

Office	Candidate	Party	EL30A				EL45A				Delta
			Tot	Opt	iVo	Flash	Tot	Opt	iVo	Flash	
President	Hillary Clinton		1561	53	1508	0	1561	53	1508	0	0
President	Martin O'Malley		5	1	4	0	5	1	4	0	0
President	Bernie Sanders		209	4	205	0	209	4	205	0	0
President	Willie Wilson		10	0	10	0	10	0	10	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.

Barnwell PEB Use Report
 Election: Democratic ppp
 Audit Date: 11:33:34, Thu Mar 3, 2016

Precinct	PEBs Used	Comments
Barnwell 1	143278	
Barnwell 2	197625	
Barnwell 3	144399	
Barnwell 4	124872	
Blackville 1	150920	
Blackville 2	147271	
Elko	207431	
Friendship	165277	
Kline	165267	
Healing Springs	165255	
Hilda	225476	
Snelling	225488	
Williston 1	124922	
Williston 2	225419	
Williston 3	207435	
Absentee	225479	
Fail safe	225479	

17 precincts processed

The following precinct(s) have no ballots cast in them: Emergency, Provisional, Fail safe 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.

Barnwell PEBExceptionsReport

Barnwell PEB Exceptions Report
 Election: Democratic ppp
 Election date: 02/27/2016
 Audit Date: 11:33:34, Thu Mar 3, 2016

iVo #	Op PEB	Open Time	Cl PEB	Close Time	Exception Type	Precinct - Ballots Cast
5119461	225476	02/27/2016 08:08:13	225476	02/27/2016 19:07:57	Open Time	Hilda - 5
5125486	225479	01/18/2016 16:07:58	225479	02/27/2016 19:03:44	>>Open Date<<	Absentee - 104 Fail safe - 13
5125486	225479	01/18/2016 16:07:58	225479	02/27/2016 19:03:44	Open Time	Absentee - 104 Fail safe - 13
5133433	225479	01/18/2016 16:11:32	225479	02/27/2016 19:03:54	>>Open Date<<	Absentee - 62 Fail safe - 7
5133433	225479	01/18/2016 16:11:32	225479	02/27/2016 19:03:54	Open Time	Absentee - 62 Fail safe - 7

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 02/27/2016. So it is normal for these machines to appear on this report with Open Date and Open Time exceptions.