

Beaufort Ballot Audit Report

Beaufort Ballot Audit Report
 Election: State Senate 45 Special
 Audit Date: 11:03:01, Thu Oct 22, 2015

Prec Nber	Precinct Name	EL30A				Audit				Comments
		Total	Opt	iVo	Flash	iVo	Opt	Man	Delta	
0111	Burton 1B	125	0	125	0	125	0	0	0	
0112	Burton 1C	45	0	45	0	45	0	0	0	
0116	Burton 3	11	0	11	0	11	0	0	0	
0160	Dale Lobeco	142	0	142	0	142	0	0	0	
0161	Seabrook 1	33	0	33	0	33	0	0	0	
0162	Seabrook 2	85	0	85	0	85	0	0	0	
0163	Seabrook 3	115	0	115	0	115	0	0	0	
0170	Sheldon 1	89	0	89	0	89	0	0	0	
0171	Sheldon 2	128	0	128	0	128	0	0	0	
0179	Burton 1D	9	0	9	0	9	0	0	0	
0307	Bluffton 2C	20	0	20	0	20	0	0	0	
Precincts Total:		802	0	802	0	802	0	0	0	
0750	Absentee	170	118	52	0	52	118	0	0	
0800	Emergency	0	0	0	0	0	0	0	0	
0850	Fail safe	2	0	2	0	2	0	0	0	
0900	Provisional	1	1	0	0	0	1	0	0	
Virtual Precincts Total:		173	119	54	0	54	119	0	0	
Grand Total:		975	119	856	0	856	119	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: 6
 The following precincts have no ballots cast in them: Emergency
 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
856	856	856
Delta from EL30A	0	0
	Delta from EL155	0
	Cast By Voter	854
	Cast By Poll Wkr	2
	Blank Cast by PW	0

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Cancelled Ballots	21
Wrong Ballot	1
Voter Left AB	1
Voter Left BB	1
Voter Request	1
Printer Problem	0
Terminal Problem	1
Other Reason	16

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

Number of ADA audio enabled events in this election: 42

Precinct Number and Name	Machine	Date	Time
0116 Burton 3	5127271	09/30/2015	09:40:15
0116 Burton 3	5128892	09/30/2015	12:06:26
0116 Burton 3	5132229	09/30/2015	09:47:37
0116 Burton 3	5132852	09/30/2015	11:37:51
0116 Burton 3	5138877	09/30/2015	11:26:32
0160 Dale Lobeco	5136344	09/25/2015	15:45:06
0160 Dale Lobeco	5136926	09/25/2015	16:16:00
0160 Dale Lobeco	5138770	09/30/2015	12:11:13
0160 Dale Lobeco	5127780	09/25/2015	15:13:34
0161 Seabrook 1	5129336	09/30/2015	11:18:36
0161 Seabrook 1	5137767	09/30/2015	11:22:30
0161 Seabrook 1	5132112	09/30/2015	09:59:12
0161 Seabrook 1	5132112	09/30/2015	09:59:26
0161 Seabrook 1	5139558	09/30/2015	12:07:57
0162 Seabrook 2	5123673	09/28/2015	11:33:27
0162 Seabrook 2	5138218	09/25/2015	16:02:08
0162 Seabrook 2	5138530	09/25/2015	16:09:15
0162 Seabrook 2	5139562	09/30/2015	12:17:07
0163 Seabrook 3	5131925	09/28/2015	16:10:39
0163 Seabrook 3	5122627	09/28/2015	15:50:45
0163 Seabrook 3	5133684	09/30/2015	12:09:10
0163 Seabrook 3	5129906	09/28/2015	15:23:13
0170 Shelton 1	5131113	09/30/2015	11:58:31
0170 Shelton 1	5137999	09/28/2015	11:12:22
0170 Shelton 1	5131951	09/28/2015	10:44:44
0170 Shelton 1	5131157	09/28/2015	16:06:34
0171 Shelton 2	5133262	09/28/2015	15:30:37
0171 Shelton 2	5139211	09/30/2015	11:52:02
0171 Shelton 2	5137790	09/25/2015	16:31:37
0171 Shelton 2	5131715	09/25/2015	16:23:57
0179 Burton 1D	5130888	09/30/2015	09:31:24
0179 Burton 1D	5133695	09/30/2015	09:26:06
0179 Burton 1D	5134804	09/30/2015	09:36:19
0179 Burton 1D	5139602	09/30/2015	12:15:15

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0179	Burton 1D	5145200	09/30/2015	09:22:19
0307	Bluffton 2C	5136606	09/30/2015	11:40:09
0307	Bluffton 2C	5137930	09/30/2015	11:29:22
0307	Bluffton 2C	5139574	09/30/2015	12:02:18
0307	Bluffton 2C	5131766	09/30/2015	11:33:50
0307	Bluffton 2C	5133933	09/30/2015	11:44:59
0750	Absentee	5124060	09/25/2015	10:29:28
0850	Fail safe	5140301	09/25/2015	10:25:12

Election Date: 10/20/2015

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), 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

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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.

Beaufort Vote Audit

Beaufort Vote Level Audit Report
 Election: State Senate 45 Special
 Audit Date: 11:03:58, Thu Oct 22, 2015

Precinct Number / Name Office	Candidate	Party	EL30A				Audit		Comments
			Total	Optical	iVo	Flash	iVo	Delta	
0111 Burton 1B State Senate District 45 State Senate District 45 State Senate District 45	Margie Bright Matthews Al Fernandez Write-In	(DEM) (REP)	121 4 0	0 0 0	121 4 0	0 0 0	121 4 0	0 0 0	* No Audit Data expected or found
0112 Burton 1C State Senate District 45 State Senate District 45 State Senate District 45	Margie Bright Matthews Al Fernandez Write-In	(DEM) (REP)	42 3 0	0 0 0	42 3 0	0 0 0	42 3 0	0 0 0	* No Audit Data expected or found
0116 Burton 3 State Senate District 45 State Senate District 45 State Senate District 45	Margie Bright Matthews Al Fernandez Write-In	(DEM) (REP)	8 3 0	0 0 0	8 3 0	0 0 0	8 3 0	0 0 0	* No Audit Data expected or found
0160 Dale Lobeco State Senate District 45 State Senate District 45 State Senate District 45	Margie Bright Matthews Al Fernandez Write-In	(DEM) (REP)	135 6 0	0 0 0	135 6 0	0 0 0	135 6 0	0 0 0	* No Audit Data expected or found
0161 Seabrook 1 State Senate District 45 State Senate District 45 State Senate District 45	Margie Bright Matthews Al Fernandez Write-In	(DEM) (REP)	29 3 0	0 0 0	29 3 0	0 0 0	29 3 0	0 0 0	* No Audit Data expected or found
0162 Seabrook 2 State Senate District 45 State Senate District 45 State Senate District 45	Margie Bright Matthews Al Fernandez Write-In	(DEM) (REP)	77 7 0	0 0 0	77 7 0	0 0 0	77 7 0	0 0 0	* No Audit Data expected or found
0163 Seabrook 3 State Senate District 45 State Senate District 45 State Senate District 45	Margie Bright Matthews Al Fernandez Write-In	(DEM) (REP)	97 17 0	0 0 0	97 17 0	0 0 0	97 17 0	0 0 0	* No Audit Data expected or found
0170 Shel don 1									

				Beaufort	Vote		Audit			
State Senate District 45	Margie Bright Matthews	(DEM)	58	0	58	0	58	0	0	
State Senate District 45	Al Fernandez	(REP)	29	0	29	0	29	0	0	
State Senate District 45	Write-In		0	0	0	0	0	0	0	* No Audit Data expected or found
0171 Shel don 2										
State Senate District 45	Margie Bright Matthews	(DEM)	126	0	126	0	126	0	0	
State Senate District 45	Al Fernandez	(REP)	2	0	2	0	2	0	0	
State Senate District 45	Write-In		0	0	0	0	0	0	0	* No Audit Data expected or found
0179 Burton 1D										
State Senate District 45	Margie Bright Matthews	(DEM)	9	0	9	0	9	0	0	
State Senate District 45	Al Fernandez	(REP)	0	0	0	0	0	0	0	* No Audit Data expected or found
State Senate District 45	Write-In		0	0	0	0	0	0	0	* No Audit Data expected or found
0307 Bl uffton 2C										
State Senate District 45	Margie Bright Matthews	(DEM)	9	0	9	0	9	0	0	
State Senate District 45	Al Fernandez	(REP)	11	0	11	0	11	0	0	
State Senate District 45	Write-In		0	0	0	0	0	0	0	* No Audit Data expected or found
0750 Absentee										
State Senate District 45	Margie Bright Matthews	(DEM)	164	115	49	0	49	0	0	
State Senate District 45	Al Fernandez	(REP)	4	1	3	0	3	0	0	
State Senate District 45	Write-In		0	0	0	0	0	0	0	* No Audit Data expected or found
0800 Emergency										
State Senate District 45	Margie Bright Matthews	(DEM)	0	0	0	0	0	0	0	* No Audit Data expected or found
State Senate District 45	Al Fernandez	(REP)	0	0	0	0	0	0	0	* No Audit Data expected or found
State Senate District 45	Write-In		0	0	0	0	0	0	0	* No Audit Data expected or found
0850 Fai l safe										
State Senate District 45	Margie Bright Matthews	(DEM)	2	0	2	0	2	0	0	
State Senate District 45	Al Fernandez	(REP)	0	0	0	0	0	0	0	* No Audit Data expected or found
State Senate District 45	Write-In		0	0	0	0	0	0	0	* No Audit Data expected or found
0900 Provi si onal										
State Senate District 45	Margie Bright Matthews	(DEM)	1	1	0	0	0	0	0	* All votes cast for this candidate in this precinct are optical . * No Audit Data for optical .
State Senate District 45	Al Fernandez	(REP)	0	0	0	0	0	0	0	* No Audit Data expected or found
State Senate District 45	Write-In		0	0	0	0	0	0	0	* No Audit Data expected or found

There was no unmatched audit data

Beaufort Vote Audit

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. 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

Beaufort EL30A45A Compare

Beaufort EL30A45A Comparison Report
 Election: State Senate 45 Special
 Audit Date: 11:4:30, Thu Oct 22, 2015

-----EL30A-----	-----EL45A-----										
Office	Candidate	Party	Tot	Opt	iVo	Flash	Tot	Opt	iVo	Flash	Delta
State Senate District 45 0	Margie Bright Matthews	(DEM)	878	116	762	0	878	116	762	0	
State Senate District 45 0	Al Fernandez	(REP)	89	1	88	0	89	1	88	0	
State Senate District 45 0	Write-In		0	0	0	0	0	0	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.

Beaufort PEBUsed

Beaufort PEB Use Report
 Election: State Senate 45 Special
 Audit Date: 11:03:01, Thu Oct 22, 2015

Precinct	PEBs Used	Comments
Burton 1B	156491	
Burton 1C	157460	
Burton 3	156491	
Dale Lobeco	218191	
Seabrook 1	156096	
Seabrook 2	156229	
Seabrook 3	157378	
Sheldon 1	155990	
Sheldon 2	155884	
Burton 1D	157460	
Bluffton 2C	218222	
Absentee	218183	157077
Fail safe	218183	WARNING: 2 PEBs used to open/close machines.

13 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.

Beaufort PEBExceptionsReport

Beaufort PEB Exceptions Report
 Election: State Senate 45 Special
 Election date: 10/20/2015
 Audit Date: 11:03:01, Thu Oct 22, 2015

iVo #	Op PEB	Open Time	Cl PEB	Close Time	Exception Type	Precinct - Ballots Cast
5124060	218183	09/28/2015 08:28:06	218183	10/20/2015 19:02:32	>>Open Date<<	Absentee - 25
5124060	218183	09/28/2015 08:28:06	218183	10/20/2015 19:02:32	Open Time	Absentee - 25
5134606	157077	10/16/2015 10:09:22	157077	10/20/2015 19:01:39	>>Open Date<<	Absentee - 2
5134606	157077	10/16/2015 10:09:22	157077	10/20/2015 19:01:39	Open Time	Absentee - 2
5138530	156229	10/20/2015 07:38:22	156229	10/20/2015 19:03:54	Open Time	Seabrook 2 - 1
5139558	156096	10/20/2015 07:00:02	156096	10/20/2015 19:05:56	Open Time	Seabrook 1 - 7
5140301	218183	09/28/2015 08:29:38	218183	10/20/2015 19:05:40	>>Open Date<<	Absentee - 25
						Fail safe - 2
5140301	218183	09/28/2015 08:29:38	218183	10/20/2015 19:05:40	Open Time	Absentee - 25
						Fail safe - 2

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 10/20/2015. So it is normal for these machines to appear on this report with Open Date and Open Time exceptions.