

Hampton 2016 Statewide Runoff Audit Report

Hampton Ballot Audit Report
 Election: 2016 Statewide Runoff
 Audit Date: 12:21:04, Thu Jun 30, 2016

Prec Nber	Precinct Name	EL30A				Audit				Comments
		Total	Opt	iVo	Flash	iVo	Opt	Man	Delta	
0001	Brunson	153	0	153	0	153	0	0	0	
0002	Hampton NO. 1	176	0	176	0	176	0	0	0	
0003	Hampton NO. 2	380	0	380	0	380	0	0	0	
0004	Varnville	481	0	481	0	481	0	0	0	
0005	Early Branch	56	0	56	0	56	0	0	0	
0006	Garnett	29	0	29	0	29	0	0	0	
0007	Estill	339	0	339	0	339	0	0	0	
0009	Bonnett	213	0	213	0	213	0	0	0	
0010	Furman	95	0	95	0	95	0	0	0	
0011	Scotia	74	0	74	0	74	0	0	0	
0013	Yemassee	188	0	188	0	188	0	0	0	
0014	Horse Gall	26	0	26	0	26	0	0	0	
0015	Rivers Mill	14	0	14	0	14	0	0	0	
0016	Hopewell	71	0	71	0	71	0	0	0	
0017	Crocketville-Miley	99	0	99	0	99	0	0	0	
0018	Cummings	154	0	154	0	154	0	0	0	
0019	Black Creek	102	0	102	0	102	0	0	0	
0021	Gifford	87	0	87	0	87	0	0	0	
Precincts Total:		2737	0	2737	0	2737	0	0	0	
0750	Absentee	608	411	197	0	197	411	0	0	
0800	Emergency	0	0	0	0	0	0	0	0	
0850	Fail safe	1	0	1	0	1	0	0	0	
0900	Provisional	23	23	0	0	0	23	0	0	
0950	Fail safe Provisional	0	0	0	0	0	0	0	0	
Virtual Precincts Total:		632	434	198	0	198	434	0	0	
Grand Total:		3369	434	2935	0	2935	434	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: 16
 The following precincts have no ballots cast in them: Emergency, 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

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2935 Delta from EL30A	2935 0 Delta from EL155	2935 0 0
	Cast By Voter	2935
	Cast By Poll Wkr	0
	Blank Cast by PW	0
	Cancelled Ballots	23
	Wrong Ballot	0
	Voter Left AB	0
	Voter Left BB	0
	Voter Request	5
	Printer Problem	0
	Terminal Problem	2
	Other Reason	16

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

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

Note: The following machines(s) have audit records but no ballots were cast on them: 5135362
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.

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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.

 Hampton Vote Level Audit Report
 Election: 2016 Statewide Runoff
 Audit Date: 12:21:37, Thu Jun 30, 2016

Precinct Number / Name Office	Candidate	Party	EL30A			Audit		Comments
			Total	Optical	iVo	Flash	iVo	

0001 Brunson

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State House of Rep. District 122	Bill Bowers	112	0	112	0	112	0
State House of Rep. District 122	Shedron Williams	41	0	41	0	41	0
0002 Hampton NO. 1							
State House of Rep. District 122	Bill Bowers	94	0	94	0	94	0
State House of Rep. District 122	Shedron Williams	80	0	80	0	80	0
0003 Hampton NO. 2							
State House of Rep. District 122	Bill Bowers	261	0	261	0	261	0
State House of Rep. District 122	Shedron Williams	119	0	119	0	119	0
0004 Varnville							
State House of Rep. District 122	Bill Bowers	219	0	219	0	219	0
State House of Rep. District 122	Shedron Williams	262	0	262	0	262	0
0005 Early Branch							
State House of Rep. District 122	Bill Bowers	32	0	32	0	32	0
State House of Rep. District 122	Shedron Williams	24	0	24	0	24	0
0006 Garnett							
State House of Rep. District 122	Bill Bowers	8	0	8	0	8	0
State House of Rep. District 122	Shedron Williams	21	0	21	0	21	0
0007 Estill							
State House of Rep. District 122	Bill Bowers	135	0	135	0	135	0
State House of Rep. District 122	Shedron Williams	199	0	199	0	199	0
0009 Bonnett							
State House of Rep. District 122	Bill Bowers	148	0	148	0	148	0
State House of Rep. District 122	Shedron Williams	64	0	64	0	64	0
0010 Furman							
State House of Rep. District 122	Bill Bowers	50	0	50	0	50	0
State House of Rep. District 122	Shedron Williams	41	0	41	0	41	0
0011 Scoti a							
State House of Rep. District 122	Bill Bowers	18	0	18	0	18	0
State House of Rep. District 122	Shedron Williams	55	0	55	0	55	0
0013 Yemassee							
State House of Rep. District 122	Bill Bowers	58	0	58	0	58	0
State House of Rep. District 122	Shedron Williams	129	0	129	0	129	0
0014 Horse Gal l							
State House of Rep. District 122	Bill Bowers	26	0	26	0	26	0
State House of Rep. District 122	Shedron Williams	0	0	0	0	0	0
* No Audit Data expected or found							
0015 Rivers Mill							

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State House of Rep. District 122	Bill Bowers	11	0	11	0	11	0
State House of Rep. District 122	Shedron Williams	3	0	3	0	3	0
0016 Hopewell							
State House of Rep. District 122	Bill Bowers	62	0	62	0	62	0
State House of Rep. District 122	Shedron Williams	9	0	9	0	9	0
0017 Crockettville-Miley							
State House of Rep. District 122	Bill Bowers	72	0	72	0	72	0
State House of Rep. District 122	Shedron Williams	26	0	26	0	26	0
0018 Cummings							
State House of Rep. District 122	Bill Bowers	50	0	50	0	50	0
State House of Rep. District 122	Shedron Williams	104	0	104	0	104	0
0019 Black Creek							
State House of Rep. District 122	Bill Bowers	92	0	92	0	92	0
State House of Rep. District 122	Shedron Williams	10	0	10	0	10	0
0021 Gifford							
State House of Rep. District 122	Bill Bowers	12	0	12	0	12	0
State House of Rep. District 122	Shedron Williams	75	0	75	0	75	0
0750 Absentee							
State House of Rep. District 122	Bill Bowers	194	89	105	0	105	0
State House of Rep. District 122	Shedron Williams	413	322	91	0	91	0
0800 Emergency							
State House of Rep. District 122	Bill Bowers	0	0	0	0	* No Audit Data expected or found	
State House of Rep. District 122	Shedron Williams	0	0	0	0	* No Audit Data expected or found	
0850 Fallsafe							
State House of Rep. District 122	Bill Bowers	0	0	0	0	* No Audit Data expected or found	
State House of Rep. District 122	Shedron Williams	1	0	1	0	1	0
0900 Provisional							
State House of Rep. District 122	Bill Bowers	3	3	0	0	* All votes cast for this candidate in this precinct are optical. * No Audit Data for optical.	
State House of Rep. District 122	Shedron Williams	20	20	0	0	* All votes cast for this candidate in this precinct are optical. * No Audit Data for optical.	
0950 Fallsafe Provisional							
State House of Rep. District 122	Bill Bowers	0	0	0	0	* No Audit Data expected or found	
State House of Rep. District 122	Shedron Williams	0	0	0	0	* No Audit Data expected or found	

Hampton 2016 Statewide Runoff Audit Report

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 candidate 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 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

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Hampton EL30A45A Comparison Report
 Election: 2016 Statewide Runoff
 Audit Date: 12:21:59, Thu Jun 30, 2016

Office	Candidate	Party	EL30A				EL45A				Delta
			Tot	Opt	iVo	Flash	Tot	Opt	iVo	Flash	
State House of Rep. District 122	Bill Bowers		1657	92	1565	0	1657	92	1565	0	0
State House of Rep. District 122	Shedron Williams		1696	342	1354	0	1696	342	1354	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.

Hampton 2016 Statewide Runoff Audit Report

Hampton PEB Use Report
 Election: 2016 Statewide Runoff
 Audit Date: 12:21:04, Thu Jun 30, 2016

Precinct	PEBs Used	Comments
Brunson	229372	
Hampton NO. 1	154227	
Hampton NO. 2	145334	
Varnville	147439	
Early Branch	144582	
Garnett	145243	
Estill	146281	
Bonnett	146912	
Furman	142338	
Scotia	154493	
Yemassee	145491	
Horse Gall	146452	
Rivers Mill	144604	
Hopewell	145422	
Crocketville-Miley	229373	
Cummings	146845	
Black Creek	155013	
Gifford	144722	
Absentee	147630	
Failsafe	147630	

20 precincts processed

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

Hampton 2016 Statewide Runoff Audit Report

Hampton PEB Exceptions Report
Election: 2016 Statewide Runoff
Election date: 06/28/2016
Audit Date: 12:21:04, Thu Jun 30, 2016

iVo #	Op PEB	Open Time	Cl PEB	Close Time	Exception Type	Precinct - Ballots Cast
5113320	147630	00/00/00 00:00:00	147630	06/28/2016 19:10:39	>>Open Date<<	Absentee - 83 Fail safe - 1
5121814	145491	06/28/2016 07:01:40	145491	06/28/2016 19:16:46	Open Time	Yemassee - 40
5123698	147630	06/22/2016 13:07:24	147630	06/28/2016 19:14:12	>>Open Date<<	Absentee - 65
5123698	147630	06/22/2016 13:07:24	147630	06/28/2016 19:14:12	Open Time	Absentee - 65
5128860	147630	06/22/2016 13:07:13	147630	06/28/2016 19:12:55	>>Open Date<<	Absentee - 49
5128860	147630	06/22/2016 13:07:13	147630	06/28/2016 19:12:55	Open Time	Absentee - 49

The following machines(s) have audit records but no ballots were cast on them: 5135362
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 06/28/2016. So it is normal for these machines to appear on this report with Open Date and Open Time exceptions.