

Al lendale 2018 Statewi de Pri mary Runoff Audi t Report

Al lendale Ball ot Audi t Report
 Electi on: 2018 Statewi de Pri mary Runoff
 Audi t Date: 14: 17: 44, Thu Jun 28, 2018

Prec Nber	Preci nct Name	EL30A							Audi t				Comments
		Total	DS850	M650	DS200	M100	iVo	Fl ash	iVo	Opt	Man	Del ta	
0001	Al lendale No. 1	26	0	0	0	0	26	0	26	0	0	0	
0002	Al lendale No. 2	1	0	0	0	0	1	0	1	0	0	0	
0003	Fai rfax No. 1	7	0	0	0	0	7	0	7	0	0	0	
0004	Fai rfax No. 2	9	0	0	0	0	9	0	9	0	0	0	
0005	Marti n	7	0	0	0	0	7	0	7	0	0	0	
0006	Sycamore	17	0	0	0	0	17	0	17	0	0	0	
0007	Ul mer	22	0	0	0	0	22	0	22	0	0	0	
0008	Woods	9	0	0	0	0	9	0	9	0	0	0	
Preci ncts Total :		98	0	0	0	0	98	0	98	0	0	0	
0750	Absentee	4	0	0	0	0	4	0	4	0	0	0	
0800	Emergency	0	0	0	0	0	0	0	0	0	0	0	
0850	Fai l safe	0	0	0	0	0	0	0	0	0	0	0	
0900	Provi si onal	0	0	0	0	0	0	0	0	0	0	0	
0950	Fai l safe Provi si onal	0	0	0	0	0	0	0	0	0	0	0	
Virtual Preci ncts Total :		4	0	0	0	0	4	0	4	0	0	0	
Grand Total :		102	0	0	0	0	102	0	102	0	0	0	

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

Audi tor' s Comments:

Total number of iVotronic ballots cast containing no votes: 4
 The following precincts have no ballots cast in them: Emergency, Fai l safe, Provi si onal , Fai l safe Provi si onal
 No optical Ballots Cast records are showing in this election.
 This audit is complete and has no exceptions.

Status of ERM Reports
 EL30A is marked Offi ci al
 EL45A is marked Offi ci al

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

EL30A Ivo Ballots	EL155 Ballots	EL152 Ballots
102	102	102
Del ta from EL30A	0	0
	Del ta from EL155	0
	Cast By Voter	101
	Cast By Pol l Wkr	1
	Bl ank Cast by PW	0
	Cancel led Ball ots	16

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Wrong Ballot	1
Voter Left AB	0
Voter Left BB	0
Voter Request	4
Printer Problem	1
Terminal Problem	4
Other Reason	6

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

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

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 precince 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

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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.

Al lendale Vote Level Audit Report
 Electi on: 2018 Statewide Primary Runoff
 Audit Date: 14:17:59, Thu Jun 28, 2018

Precinct Number / Name Office	Candiate	Party	EL30A					Audit		Comments	
			Total	DS850	M650	DS200	M100	iVo	Flash		iVo Delta
0001 Al lendale No. 1	Henry McMaster		21	0	0	0	0	21	0	21	0
REP - Governor	John Warren		5	0	0	0	0	5	0	5	0
REP - Governor	Todd Atwater		14	0	0	0	0	14	0	14	0
REP - Attorney General	Al an Wi lson		10	0	0	0	0	10	0	10	0
REP - Attorney General											
0002 Al lendale No. 2	Henry McMaster		0	0	0	0	0	0	0	* No Votes Cast - No Audit	
REP - Governor	John Warren		0	0	0	0	0	0	0	* No Votes Cast - No Audit	
Data expected.	Todd Atwater		0	0	0	0	0	0	0	* No Votes Cast - No Audit	
REP - Governor	Al an Wi lson		0	0	0	0	0	0	0	* No Votes Cast - No Audit	
Data expected.											
REP - Attorney General											
Data expected.											
0003 Fai rfax No. 1	Henry McMaster		6	0	0	0	0	6	0	6	0
REP - Governor	John Warren		0	0	0	0	0	0	0	* No Votes Cast - No Audit	
REP - Governor	Todd Atwater		4	0	0	0	0	4	0	4	0
Data expected.	Al an Wi lson		2	0	0	0	0	2	0	2	0
REP - Attorney General											
REP - Attorney General											
0004 Fai rfax No. 2											

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REP - Governor	Henry McMaster	8	0	0	0	0	8	0	8	0
REP - Governor	John Warren	1	0	0	0	0	1	0	1	0
REP - Attorney General	Todd Atwater	1	0	0	0	0	1	0	1	0
REP - Attorney General	Al an Wi l son	7	0	0	0	0	7	0	7	0
0005	Martin #####									
REP - Governor	Henry McMaster	6	0	0	0	0	6	0	6	0
REP - Governor	John Warren	1	0	0	0	0	1	0	1	0
REP - Attorney General	Todd Atwater	3	0	0	0	0	3	0	3	0
REP - Attorney General	Al an Wi l son	4	0	0	0	0	4	0	4	0
0006	Sycamore #####									
REP - Governor	Henry McMaster	13	0	0	0	0	13	0	13	0
REP - Governor	John Warren	2	0	0	0	0	2	0	2	0
REP - Attorney General	Todd Atwater	4	0	0	0	0	4	0	4	0
REP - Attorney General	Al an Wi l son	11	0	0	0	0	11	0	11	0
0007	Ul mer #####									
REP - Governor	Henry McMaster	18	0	0	0	0	18	0	18	0
REP - Governor	John Warren	3	0	0	0	0	3	0	3	0
REP - Attorney General	Todd Atwater	10	0	0	0	0	10	0	10	0
REP - Attorney General	Al an Wi l son	12	0	0	0	0	12	0	12	0
0008	Woods #####									
REP - Governor	Henry McMaster	8	0	0	0	0	8	0	8	0
REP - Governor	John Warren	1	0	0	0	0	1	0	1	0
REP - Attorney General	Todd Atwater	1	0	0	0	0	1	0	1	0
REP - Attorney General	Al an Wi l son	8	0	0	0	0	8	0	8	0
0750	Absentee #####									
REP - Governor	Henry McMaster	3	0	0	0	0	3	0	3	0
REP - Governor	John Warren	1	0	0	0	0	1	0	1	0
REP - Attorney General	Todd Atwater	3	0	0	0	0	3	0	3	0
REP - Attorney General	Al an Wi l son	0	0	0	0	0	0	0	0	0
Data expected.								0 *	No Votes Cast	- No Audi t
0800	Emergency #####									
REP - Governor	Henry McMaster	0	0	0	0	0	0	0	0	0
Data expected.								0 *	No Votes Cast	- No Audi t
REP - Governor	John Warren	0	0	0	0	0	0	0	0	0
Data expected.								0 *	No Votes Cast	- No Audi t
REP - Attorney General	Todd Atwater	0	0	0	0	0	0	0	0	0
Data expected.								0 *	No Votes Cast	- No Audi t
REP - Attorney General	Al an Wi l son	0	0	0	0	0	0	0	0	0
Data expected.								0 *	No Votes Cast	- No Audi t
0850	Fai l safe #####									
REP - Governor	Henry McMaster	0	0	0	0	0	0	0	0	0
Data expected.								0 *	No Votes Cast	- No Audi t
REP - Governor	John Warren	0	0	0	0	0	0	0	0	0
Data expected.								0 *	No Votes Cast	- No Audi t
REP - Attorney General	Todd Atwater	0	0	0	0	0	0	0	0	0
Data expected.								0 *	No Votes Cast	- No Audi t

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Data expected. REP - Attorney General Data expected.	Al an Wi l son	0	0	0	0	0	0	0	0 * No Votes Cast - No Audi t
0900 Provi si onal #####									
REP - Governor Data expected.	Henry McMaster	0	0	0	0	0	0	0	0 * No Votes Cast - No Audi t
REP - Governor Data expected.	John Warren	0	0	0	0	0	0	0	0 * No Votes Cast - No Audi t
REP - Attorney General Data expected.	Todd Atwater	0	0	0	0	0	0	0	0 * No Votes Cast - No Audi t
REP - Attorney General Data expected.	Al an Wi l son	0	0	0	0	0	0	0	0 * No Votes Cast - No Audi t
0950 Fai l safe Provi si onal #####									
REP - Governor Data expected.	Henry McMaster	0	0	0	0	0	0	0	0 * No Votes Cast - No Audi t
REP - Governor Data expected.	John Warren	0	0	0	0	0	0	0	0 * No Votes Cast - No Audi t
REP - Attorney General Data expected.	Todd Atwater	0	0	0	0	0	0	0	0 * No Votes Cast - No Audi t
REP - Attorney General Data expected.	Al an Wi l son	0	0	0	0	0	0	0	0 * No Votes Cast - No Audi t

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 Ocouting 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 electonically 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

 Al lendale EL30A45A Compari son Report
 Electi on: 2018 Statewi de Primary Runoff
 Audi t Date: 14: 18: 7, Thu Jun 28, 2018

-----EL30A-----					-----EL45A-----										
Offi ce	Candi date				Party	Tot	DS850	M650	DS200	M100	i Vo	Fl ash	Tot	DS850	M650
DS200	M100	i Vo	Fl ash	Del ta											
Governor					Henry McMaster	83	0	0	0	0	83	0	83	0	0
0	0	83	0	0											
Governor					John Warren	14	0	0	0	0	14	0	14	0	0
0	0	14	0	0											
Attorney General					Todd Atwater	40	0	0	0	0	40	0	40	0	0
0	0	40	0	0											
Attorney General					Al an Wi l son	54	0	0	0	0	54	0	54	0	0
0	0	54	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.

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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.

Allendale PEB Use Report
Electi on: 2018 Statewide Primary Runoff
Audit Date: 14:17:44, Thu Jun 28, 2018

Precinct	PEBs Used	Comments
Allendale No. 1	141874	
Allendale No. 2	147088	
Fairfax No. 1	226084	
Fairfax No. 2	144085	
Martin	147933	147832
Sycamore	147618	WARNING: 2 PEBs used to open/close machines.
Ulmer	135239	
Woods	147832	
Absentee	152397	

9 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

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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.

Allendale PEB Exceptions Report
 Election: 2018 Statewide Primary Runoff
 Election date: 2018-06-26
 Audit Date: 14:17:44, Thu Jun 28, 2018

iVo #	Op PEB	Open Time	Cl PEB	Close Time	Exception Type	Precinct - Ballots Cast
5123377	152397	2018-06-18 11:13:56	152397	2018-06-26 19:15:12	>>Open Date<<	Absentee - 1
5123377	152397	2018-06-18 11:13:56	152397	2018-06-26 19:15:12	Open Time	Absentee - 1
5123906	226084	2018-06-26 07:12:21	226084	2018-06-26 19:02:24	Open Time	Fairfax No.1 - 7
5125429	147832	2018-06-26 06:24:45	147933	2018-06-26 19:01:35	>>>O/C PEBs<<<	Martin - 3
5126977	147088	2018-06-26 07:01:33	147088	2018-06-26 19:26:29	Open Time	Allendale No.2 - 1
5127650	152397	2018-06-18 11:20:30	152397	2018-06-26 19:20:35	>>Open Date<<	Absentee - 3
5127650	152397	2018-06-18 11:20:30	152397	2018-06-26 19:20:35	Open Time	Absentee - 3

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 2018-06-26. So it is normal for these machines to appear on this report with Open Date and Open Time exceptions.