

McCormick 2016 Statewide Runoff Audit Report

McCormick Ballot Audit Report  
 Election: 2016 Statewide Runoff  
 Audit Date: 10:44:53, Thu Jun 30, 2016

Prec Nber	Precinct Name	EL30A				Audit				Comments
		Total	Opt	iVo	Flash	iVo	Opt	Man	Delta	
0001	Mt. Carmel	97	0	97	0	97	0	0	0	
0002	Monticello	100	0	100	0	100	0	0	0	
0003	Savannah	252	0	252	0	252	0	0	0	
0004	Willington	53	0	53	0	53	0	0	0	
0006	McCormick No. 1	131	0	131	0	131	0	0	0	
0008	Bethany	10	0	10	0	10	0	0	0	
0009	McCormick No. 2	32	0	32	0	32	0	0	0	
0010	Plum Branch	30	0	30	0	30	0	0	0	
0013	Parksville	28	0	28	0	28	0	0	0	
0014	Modoc	27	0	27	0	27	0	0	0	
0015	Clark's Hill	12	0	12	0	12	0	0	0	
Precincts Total:		772	0	772	0	772	0	0	0	
0750	Absentee	138	49	89	0	89	49	0	0	
0800	Emergency	0	0	0	0	0	0	0	0	
0850	Failsafe	0	0	0	0	0	0	0	0	
0900	Provisional	0	0	0	0	0	0	0	0	
0950	Failsafe Provisional	0	0	0	0	0	0	0	0	
Virtual Precincts Total:		138	49	89	0	89	49	0	0	
Grand Total:		910	49	861	0	861	49	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: 3

The following precincts have no ballots cast in them: Emergency, Failsafe, Provisional, Failsafe 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
861	861	861
Delta from EL30A	0	0
	Delta from EL155	0
	Cast By Voter	861
	Cast By Poll Wkr	0
	Blank Cast by PW	0

McCormick 2016 Statewide Runoff Audit Report

Cancelled Ballots	21
Wrong Ballot	0
Voter Left AB	1
Voter Left BB	7
Voter Request	1
Printer Problem	0
Terminal Problem	2
Other Reason	10

(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: 5129509, 5130325  
 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.

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.

McCormick 2016 Statewide Runoff Audit 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 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.

-----  
 McCormick Vote Level Audit Report  
 Election: 2016 Statewide Runoff  
 Audit Date: 10:45:28, Thu Jun 30, 2016

Precinct Number / Name Office	Candidate	Party	EL30A				Audit		Comments
			Total	Optical	iVo	Flash	iVo	Delta	
0001 Mt. Carmel									
DEM - County Council District 1	Henry Banks		63	0	63	0	63	0	
DEM - County Council District 1	Donald D Moss		30	0	30	0	30	0	
REP - Solicitor Circuit 11	Rick Hubbard		3	0	3	0	3	0	
REP - Solicitor Circuit 11	Candice Lively		1	0	1	0	1	0	
0002 Monticello									
REP - Solicitor Circuit 11	Rick Hubbard		51	0	51	0	51	0	

McCormick 2016 Statewide Runoff Audit Report

REP - Solicitor Circuit 11	Candidate Livey	49	0	49	0	49	0
0003 Savannah							
REP - Solicitor Circuit 11	Rick Hubbard	133	0	133	0	133	0
REP - Solicitor Circuit 11	Candidate Livey	119	0	119	0	119	0
0004 Willington							
DEM - County Council District 1	Henry Banks	5	0	5	0	5	0
DEM - County Council District 1	Donald D Moss	46	0	46	0	46	0
REP - Solicitor Circuit 11	Rick Hubbard	2	0	2	0	2	0
REP - Solicitor Circuit 11	Candidate Livey	0	0	0	0	0	0
* No Audit Data expected or found							
0006 McCormick No. 1							
DEM - County Council District 1	Henry Banks	56	0	56	0	56	0
DEM - County Council District 1	Donald D Moss	45	0	45	0	45	0
REP - Solicitor Circuit 11	Rick Hubbard	18	0	18	0	18	0
REP - Solicitor Circuit 11	Candidate Livey	11	0	11	0	11	0
0008 Bethany							
REP - Solicitor Circuit 11	Rick Hubbard	7	0	7	0	7	0
REP - Solicitor Circuit 11	Candidate Livey	3	0	3	0	3	0
0009 McCormick No. 2							
REP - Solicitor Circuit 11	Rick Hubbard	23	0	23	0	23	0
REP - Solicitor Circuit 11	Candidate Livey	9	0	9	0	9	0
0010 Plum Branch							
REP - Solicitor Circuit 11	Rick Hubbard	16	0	16	0	16	0
REP - Solicitor Circuit 11	Candidate Livey	14	0	14	0	14	0
0013 Parksville							
REP - Solicitor Circuit 11	Rick Hubbard	9	0	9	0	9	0
REP - Solicitor Circuit 11	Candidate Livey	18	0	18	0	18	0
0014 Modoc							
REP - Solicitor Circuit 11	Rick Hubbard	19	0	19	0	19	0
REP - Solicitor Circuit 11	Candidate Livey	8	0	8	0	8	0
0015 Clark's Hill							
REP - Solicitor Circuit 11	Rick Hubbard	8	0	8	0	8	0
REP - Solicitor Circuit 11	Candidate Livey	4	0	4	0	4	0
0750 Absentee							
DEM - County Council District 1	Henry Banks	34	17	17	0	17	0
DEM - County Council District 1	Donald D Moss	22	11	11	0	11	0
REP - Solicitor Circuit 11	Rick Hubbard	50	14	36	0	36	0
REP - Solicitor Circuit 11	Candidate Livey	31	7	24	0	24	0

McCormick 2016 Statewide Runoff Audit Report

0800	Emergency						
DEM - County Council District 1	Henry Banks	0	0	0	0	*	No Audit Data expected or found
DEM - County Council District 1	Donald D Moss	0	0	0	0	*	No Audit Data expected or found
REP - Solicitor Circuit 11	Rick Hubbard	0	0	0	0	*	No Audit Data expected or found
REP - Solicitor Circuit 11	Candice Lively	0	0	0	0	*	No Audit Data expected or found
0850	Failsafe						
DEM - County Council District 1	Henry Banks	0	0	0	0	*	No Audit Data expected or found
DEM - County Council District 1	Donald D Moss	0	0	0	0	*	No Audit Data expected or found
REP - Solicitor Circuit 11	Rick Hubbard	0	0	0	0	*	No Audit Data expected or found
REP - Solicitor Circuit 11	Candice Lively	0	0	0	0	*	No Audit Data expected or found
0900	Provisional						
DEM - County Council District 1	Henry Banks	0	0	0	0	*	No Audit Data expected or found
DEM - County Council District 1	Donald D Moss	0	0	0	0	*	No Audit Data expected or found
REP - Solicitor Circuit 11	Rick Hubbard	0	0	0	0	*	No Audit Data expected or found
REP - Solicitor Circuit 11	Candice Lively	0	0	0	0	*	No Audit Data expected or found
0950	Failsafe Provisional						
REP - Solicitor Circuit 11	Rick Hubbard	0	0	0	0	*	No Audit Data expected or found
REP - Solicitor Circuit 11	Candice Lively	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

McCormick 2016 Statewide Runoff Audit Report

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

-----  
 McCormick EL30A45A Comparison Report  
 Election: 2016 Statewide Runoff  
 Audit Date: 10:46:13, Thu Jun 30, 2016

Office	Candidate	Party	EL30A				EL45A				Delta
			Tot	Opt	iVo	Flash	Tot	Opt	iVo	Flash	
County Council District 1	Henry Banks		158	17	141	0	158	17	141	0	0
County Council District 1	Donald D Moss		143	11	132	0	143	11	132	0	0
Solicitor Circuit 11	Rick Hubbard		339	14	325	0	339	14	325	0	0
Solicitor Circuit 11	Candice Lively		267	7	260	0	267	7	260	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),

McCormick 2016 Statewide Runoff Audit Report

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.

-----  
 McCormick PEB Use Report  
 Election: 2016 Statewide Runoff  
 Audit Date: 10:44:53, Thu Jun 30, 2016

Precinct	PEBs Used	Comments
Mt. Carmel	154345	
Monticello	153690	
Savannah	153627	
Willington	153779	
McCormick No. 1	153700	
Bethany	153600	
McCormick No. 2	154104	
Plum Branch	153832	
Parksville	137566	
Modoc	140607	
Clark's Hill	154815	
Absentee	141410	

12 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

McCormick 2016 Statewide Runoff Audit Report

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.

-----  
 McCormick PEB Exceptions Report  
 Election: 2016 Statewide Runoff  
 Election date: 06/28/2016  
 Audit Date: 10:44:53, Thu Jun 30, 2016

iVo #	Op PEB	Open Time	Cl PEB	Close Time	Exception Type	Precinct - Ballots Cast
5113119	141410	06/20/2016 12:41:44	141410	06/28/2016 19:07:19	>>Open Date<<	Absentee - 42
5113119	141410	06/20/2016 12:41:44	141410	06/28/2016 19:07:19	Open Time	Absentee - 42
5121310	141410	06/20/2016 12:43:51	141410	06/28/2016 19:03:01	>>Open Date<<	Absentee - 47
5121310	141410	06/20/2016 12:43:51	141410	06/28/2016 19:03:01	Open Time	Absentee - 47
5138430	154104	06/28/2016 07:00:19	154104	06/28/2016 19:04:24	Open Time	McCormick No. 2 - 24

The following machines(s) have audit records but no ballots were cast on them: 5129509, 5130325  
 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.

McCormick 2016 Statewide Runoff Audit Report

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 Failsafe 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.