

Berkeley Ballot Audit Report
 Election: Town of Moncks Corner Runoff Recount
 Audit Date: 10:47:53, Thu Jul 16, 2015

Prec	Precinct	-----EL30A-----				
-----Audit-----						
Nber	Name	Total	Opt	iVo	Flash	
iVo	Opt	Man	Delta	Comments		
0031	Moncks Corner 1	108	0	108	0	
108	0	0	0			
0032	Moncks Corner 2	100	0	100	0	
100	0	0	0			
0033	Moncks Corner 3	77	0	77	0	
77	0	0	0			
0034	Moncks Corner 4	121	0	121	0	
121	0	0	0			
0059	Whitesville 1	1	0	1	0	
1	0	0	0			
0067	Fox Bank	8	0	8	0	
8	0	0	0			
0070	Old 52	18	0	18	0	
18	0	0	0			
Precincts Total:		433	0	433	0	
433	0	0	0			
0750	Absentee	73	18	55	0	
55	18	0	0			
0800	Emergency	0	0	0	0	
0	0	0	0			
0850	Failsafe	1	1	0	0	
0	1	0	0			
0900	Provisional	0	0	0	0	
0	0	0	0			
Virtual Precincts Total:		74	19	55	0	
55	19	0	0			
Grand Total:		507	19	488	0	
488	19	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, 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
488	488	488
Delta from EL30A	0	0
	Delta from EL155	0
	Cast By Voter	488

	Cast By Poll Wkr	0	
	Blank Cast by PW	0	
	+-----+-----+		
	Cancelled Ballots	2	
	+-----+-----+		
	Wrong Ballot	0	
ballot selected by poll worker.)	Voter Left AB	0	(AB = After
ballot selected by poll worker.)	Voter Left BB	0	(BB = Before
	Voter Request	0	
	Printer Problem	0	
	Terminal Problem	0	
	Other Reason	2	
	+-----+-----+		

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
 0counting 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.

Berkeley EL30A45A Comparison Report
 Election: Town of Moncks Corner Runoff Recount
 Audit Date: 10:49:41, Thu Jul 16, 2015

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+-----EL30A-----+-----EL45A-----
+
Office                               Candidate                               Party
|   Tot   Opt   iVo   Flash |   Tot   Opt   iVo   Flash   Delta
|
-----
-+-----+-----
-+

```

Office	Tot	Opt	iVo	Flash	Candidate	Tot	Opt	iVo	Flash	Delta
Town Council					Jay Law					
252	9	243	0	252	9	243	0			0
Town Council					Chad Sweatman					
252	10	242	0	252	10	242	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.

Berkeley EL152/EL155 Votes Comparison Report

This report is a comparison of the ballots cast in the two audit files.

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+-----EL152-----+-----EL155-----+-----+
|Machine Ballots|Precinct(s)                Ballots|Delta|
+-----+-----+-----+-----+-----+
+-----+-----+-----+-----+-----+
+-----+-----+-----+-----+-----+
```

Berkeley Office Non-Match Report

Array of unique EL30A non matches
0: |Town Council|

Array of unique EL155 non matches
0: |MUN0004 Town Council|

Berkeley PEB Exceptions Report
Election: Town of Moncks Corner Runoff Recount
Audit Date: 10:47:53, Thu Jul 16, 2015

WARNING: Precincts listed in this report have used more than one PEB to open or close iVotronic Machines. Inspect all the precinct materials closely, especially the Precinct Polling Results Tape to be sure that you have collected PEB data from all the iVotronic machines assigned to that precinct.

Precinct	PEBs Used	Comments
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Berkeley PEB Exceptions Report
Election: Town of Moncks Corner Runoff Recount
Election date: 07/14/2015
Audit Date: 10:47:53, Thu Jul 16, 2015

iVo #	Op PEB	Open Time	Cl PEB	Close Time	Exception
5126965	144748	07/02/2015 14:15:54	144748	07/14/2015	
19:02:11	>>Open Date<<	Absentee - 12			
5126965	144748	07/02/2015 14:15:54	144748	07/14/2015	
19:02:11	Open Time	Absentee - 12			
5129343	144748	07/02/2015 14:13:25	144748	07/14/2015	
19:04:03	>>Open Date<<	Absentee - 43			
5129343	144748	07/02/2015 14:13:25	144748	07/14/2015	
19:04:03	Open Time	Absentee - 43			

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 Failsafe precinct machines are opened during the middle of the day several days before the election date of 07/14/2015. So it is normal for these machines to appear on this report with Open Date and Open Time exceptions.

Berkeley PEB Open/Close Report
Election: Town of Moncks Corner Runoff Recount
Audit Date: 10:47:53, Thu Jul 16, 2015

Precinct	Machine	PEB Used to Open	PEB Used to Close
Moncks Corner 1	5121796	144688	144688
Moncks Corner 1	5122110	144688	144688
Moncks Corner 1	5125264	144688	144688
Moncks Corner 1	5131377	144688	144688
Moncks Corner 2	5121796	144688	144688
Moncks Corner 2	5122110	144688	144688
Moncks Corner 2	5125264	144688	144688
Moncks Corner 2	5131377	144688	144688
Moncks Corner 3	5121796	144688	144688
Moncks Corner 3	5122110	144688	144688
Moncks Corner 3	5131377	144688	144688
Moncks Corner 4	5121796	144688	144688
Moncks Corner 4	5122110	144688	144688
Moncks Corner 4	5125264	144688	144688
Moncks Corner 4	5131377	144688	144688
Whitesville 1	5131377	144688	144688
Fox Bank	5122110	144688	144688
Fox Bank	5131377	144688	144688
Old 52	5121796	144688	144688
Old 52	5122110	144688	144688
Old 52	5131377	144688	144688
Absentee	5126965	144748	144748
Absentee	5129343	144748	144748

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

Note: if there are no ballots cast in a precinct the machines in that
precinct
cannot be identified so the machines in these precinct(s) will not appear
in this report.

Berkeley PEB Use Report
Election: Town of Moncks Corner Runoff Recount
Audit Date: 10:47:53, Thu Jul 16, 2015

Precinct	PEBs Used	Comments
Moncks Corner 1	144688	
Moncks Corner 2	144688	
Moncks Corner 3	144688	
Moncks Corner 4	144688	
Whitesville 1	144688	
Fox Bank	144688	
Old 52	144688	
Absentee	144748	

8 precincts processed

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

Berkeley Vote Level Audit Report
 Election: Town of Moncks Corner Runoff Recount
 Audit Date: 10:49:20, Thu Jul 16, 2015

Precinct Number / Name		EL30A				Audit		Party
Office	Total	Optical	iVo	Flash	Candidate	iVo	Delta	Comments
----- ----- ----- ----- ----- ----- -----								
0031	Moncks Corner 1							
Town Council					Jay Law			
53	0	53	0	53		0		
Town Council					Chad Sweatman			
55	0	55	0	55		0		
0032	Moncks Corner 2							
Town Council					Jay Law			
44	0	44	0	44		0		
Town Council					Chad Sweatman			
55	0	55	0	55		0		
0033	Moncks Corner 3							
Town Council					Jay Law			
41	0	41	0	41		0		
Town Council					Chad Sweatman			
35	0	35	0	35		0		
0034	Moncks Corner 4							
Town Council					Jay Law			
63	0	63	0	63		0		
Town Council					Chad Sweatman			
58	0	58	0	58		0		
0059	Whitesville 1							
Town Council					Jay Law			
1	0	1	0	1		0		
Town Council					Chad Sweatman			
0	0	0	0	0	* No Audit Data expected or found			
0067	Fox Bank							
Town Council					Jay Law			
7	0	7	0	7		0		
Town Council					Chad Sweatman			
1	0	1	0	1		0		
0070	Old 52							
Town Council					Jay Law			
12	0	12	0	12		0		
Town Council					Chad Sweatman			
6	0	6	0	6		0		
0750	Absentee							
Town Council					Jay Law			
31	9	22	0	22		0		
Town Council					Chad Sweatman			
41	9	32	0	32		0		
0800	Emergency							

Town Council				Jay Law
0	0	0	0	* No Audit Data expected or found
Town Council				Chad Sweatman
0	0	0	0	* No Audit Data expected or found
0850 Failsafe				
Town Council				Jay Law
0	0	0	0	* No Audit Data expected or found
Town Council				Chad Sweatman
1	1	0	0	* All votes cast for this candidate

* in this precinct are optical.

* No Audit Data for optical.

0900 Provisional				
Town Council				Jay Law
0	0	0	0	* No Audit Data expected or found
Town Council				Chad Sweatman
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.

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

Berkeley Vote Level Audit Exception Report

Precinct Number / Name

-----EL30A-----				-----Audit-----			
Office				Candidate		Party	
Total	Optical	iVo	Flash	iVo	Delta	Comments	

0031 Moncks Corner 1

0032 Moncks Corner 2

0033 Moncks Corner 3

0034 Moncks Corner 4

0059 Whitesville 1

Town Council					Chad Sweatman	
0	0	0	0	*	No Audit Data expected or found	

0067 Fox Bank

0070 Old 52

0750 Absentee

0800 Emergency

Town Council					Jay Law	
0	0	0	0	*	No Audit Data expected or found	
Town Council					Chad Sweatman	
0	0	0	0	*	No Audit Data expected or found	

0850 Failsafe

Town Council					Jay Law	
0	0	0	0	*	No Audit Data expected or found	
Town Council					Chad Sweatman	
1	1	0	0	*	All votes cast for this candidate	

* in this precinct are optical.

* No Audit Data for optical.

0900 Provisional

Town Council					Jay Law	
0	0	0	0	*	No Audit Data expected or found	
Town Council					Chad Sweatman	
0	0	0	0	*	No Audit Data expected or found	

There was no unmatched audit data

How to read this report.

precinct.

cast for transmission to the tabulation system.

file, the EL155 Vote image log.

found.