

Abbeville 2016 Statewide Primary Audit Report

Abbeville Ballot Audit Report
 Election: 2016 Statewide Primary
 Audit Date: 13:26:52, Thu Jun 16, 2016

Prec Nber	Precinct Name	EL30A				Audit				Comments
		Total	Opt	iVo	Flash	iVo	Opt	Man	Delta	
0001	Abbeville No. 1	180	0	180	0	180	0	0	0	
0002	Abbeville No. 2	220	0	220	0	220	0	0	0	
0003	Abbeville No. 3	89	0	89	0	89	0	0	0	
0004	Abbeville No. 4	54	0	54	0	54	0	0	0	
0005	Antreville	73	0	73	0	73	0	0	0	
0006	Broadmouth	37	0	37	0	37	0	0	0	
0007	Calhoun Falls	298	0	298	0	298	0	0	0	
0008	Cold Springs	82	0	82	0	82	0	0	0	
0009	Donalds	49	0	49	0	49	0	0	0	
0010	Due West	110	0	110	0	110	0	0	0	
0011	Hall's Store	62	0	62	0	62	0	0	0	
0012	Keowee	48	0	48	0	48	0	0	0	
0013	Lowndesville	54	0	54	0	54	0	0	0	
0014	Lebanon	54	0	54	0	54	0	0	0	
Precincts Total:		1410	0	1410	0	1410	0	0	0	
0750	Absentee	359	118	241	0	241	118	0	0	
0800	Emergency	0	0	0	0	0	0	0	0	
0850	Failsafe	4	4	0	0	0	4	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:		363	122	241	0	241	122	0	0	
Grand Total:		1773	122	1651	0	1651	122	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: 9
 The following precincts have no ballots cast in them: Emergency, 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
1651	1651	1651
Delta from EL30A	0	0
	Delta from EL155	0

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Cast By Voter	1651	
Cast By Poll Wkr	0	
Blank Cast by PW	0	

Cancelled Ballots	15	

Wrong Ballot	2	
Voter Left AB	0	(AB = After ballot selected by poll worker.)
Voter Left BB	0	(BB = Before ballot selected by poll worker.)
Voter Request	3	
Printer Problem	2	
Terminal Problem	3	
Other Reason	5	

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

Note: The following machines(s) have audit records but no ballots were cast on them: 5119400, 5119892, 5120474
 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

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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.

Abbeville Vote Level Audit Report
 Election: 2016 Statewide Primary
 Audit Date: 13:27:43, Thu Jun 16, 2016

Precinct Number / Name Office	Candidate	Party	EL30A				Audit		Comments
			Total	Optical	iVo	Flash	iVo	Delta	
0001 Abbeville No. 1									
DEM - Coroner	Ronnie Ashley		124	0	124	0	124	0	
DEM - Coroner	Cassius I Murray		53	0	53	0	53	0	
DEM - County Council District 3	Casey Hyman Ashley		39	0	39	0	39	0	
DEM - County Council District 3	Charles H Goodwin		62	0	62	0	62	0	

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0002	Abbeville No. 2						
DEM - Coroner	Ronnie Ashley	86	0	86	0	86	0
DEM - Coroner	Cassius I Murray	119	0	119	0	119	0
DEM - County Council District 3	Casey Hyman Ashley	20	0	20	0	20	0
DEM - County Council District 3	Charles H Goodwin	176	0	176	0	176	0
0003	Abbeville No. 3						
DEM - Coroner	Ronnie Ashley	39	0	39	0	39	0
DEM - Coroner	Cassius I Murray	50	0	50	0	50	0
0004	Abbeville No. 4						
DEM - Coroner	Ronnie Ashley	31	0	31	0	31	0
DEM - Coroner	Cassius I Murray	23	0	23	0	23	0
0005	Antreville						
DEM - Coroner	Ronnie Ashley	67	0	67	0	67	0
DEM - Coroner	Cassius I Murray	6	0	6	0	6	0
0006	Broadmouth						
DEM - Coroner	Ronnie Ashley	5	0	5	0	5	0
DEM - Coroner	Cassius I Murray	2	0	2	0	2	0
REP - State Senate District 4	Rockey Burgess	4	0	4	0	4	0
REP - State Senate District 4	Michael W Gambrell	26	0	26	0	26	0
REP - State House of Representatives Dist.	7Dennis Ted Grindstaff	0	0	0	0	* No Audit Data expected or found	
REP - State House of Representatives Dist.	7Blake Parker	0	0	0	0	* No Audit Data expected or found	
REP - State House of Representatives Dist.	7Jay West	0	0	0	0	* No Audit Data expected or found	
0007	Calhoun Falls						
DEM - Coroner	Ronnie Ashley	39	0	39	0	39	0
DEM - Coroner	Cassius I Murray	258	0	258	0	258	0
0008	Cold Springs						
DEM - Coroner	Ronnie Ashley	68	0	68	0	68	0
DEM - Coroner	Cassius I Murray	13	0	13	0	13	0
DEM - County Council District 3	Casey Hyman Ashley	0	0	0	0	* No Audit Data expected or found	
DEM - County Council District 3	Charles H Goodwin	12	0	12	0	12	0
0009	Donal ds						
DEM - Coroner	Ronnie Ashley	10	0	10	0	10	0
DEM - Coroner	Cassius I Murray	5	0	5	0	5	0
REP - State Senate District 4	Rockey Burgess	3	0	3	0	3	0
REP - State Senate District 4	Michael W Gambrell	31	0	31	0	31	0
0010	Due West						
DEM - Coroner	Ronnie Ashley	68	0	68	0	68	0
DEM - Coroner	Cassius I Murray	41	0	41	0	41	0

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0011	Hall's Store							
DEM - Coroner	Ronnie Ashley	15	0	15	0	15	0	
DEM - Coroner	Cassius I Murray	4	0	4	0	4	0	
REP - State Senate District 4	Rockey Burgess	11	0	11	0	11	0	
REP - State Senate District 4	Michael W Gambrell	31	0	31	0	31	0	
0012	Keowee							
DEM - Coroner	Ronnie Ashley	42	0	42	0	42	0	
DEM - Coroner	Cassius I Murray	6	0	6	0	6	0	
REP - State Senate District 4	Rockey Burgess	0	0	0	0	0	0	* No Audit Data expected or found
REP - State Senate District 4	Michael W Gambrell	0	0	0	0	0	0	* No Audit Data expected or found
REP - State House of Representatives Dist. 7	Dennis Ted Grindstaff	0	0	0	0	0	0	* No Audit Data expected or found
REP - State House of Representatives Dist. 7	Blake Parker	0	0	0	0	0	0	* No Audit Data expected or found
REP - State House of Representatives Dist. 7	Jay West	0	0	0	0	0	0	* No Audit Data expected or found
0013	Lowndesville							
DEM - Coroner	Ronnie Ashley	35	0	35	0	35	0	
DEM - Coroner	Cassius I Murray	18	0	18	0	18	0	
0014	Lebanon							
DEM - Coroner	Ronnie Ashley	36	0	36	0	36	0	
DEM - Coroner	Cassius I Murray	18	0	18	0	18	0	
0750	Absentee							
DEM - Coroner	Ronnie Ashley	163	70	93	0	93	0	
DEM - Coroner	Cassius I Murray	176	43	133	0	133	0	
DEM - County Council District 3	Casey Hyman Ashley	28	15	13	0	13	0	
DEM - County Council District 3	Charles H Goodwin	148	22	126	0	126	0	
REP - State Senate District 4	Rockey Burgess	3	3	0	0	0	0	* All votes cast for this candidate in this precinct are optical. * No Audit Data for optical.
REP - State Senate District 4	Michael W Gambrell	2	1	1	0	1	0	
REP - State House of Representatives Dist. 7	Dennis Ted Grindstaff	1	0	1	0	1	0	
REP - State House of Representatives Dist. 7	Blake Parker	2	0	2	0	2	0	
REP - State House of Representatives Dist. 7	Jay West	0	0	0	0	0	0	* No Audit Data expected or found
0800	Emergency							
DEM - Coroner	Ronnie Ashley	0	0	0	0	0	0	* No Audit Data expected or found
DEM - Coroner	Cassius I Murray	0	0	0	0	0	0	* No Audit Data expected or found
DEM - County Council District 3	Casey Hyman Ashley	0	0	0	0	0	0	* No Audit Data expected or found
DEM - County Council District 3	Charles H Goodwin	0	0	0	0	0	0	* No Audit Data expected or found
REP - State Senate District 4	Rockey Burgess	0	0	0	0	0	0	* No Audit Data expected or found
REP - State Senate District 4	Michael W Gambrell	0	0	0	0	0	0	* No Audit Data expected or found
REP - State House of Representatives Dist. 7	Dennis Ted Grindstaff	0	0	0	0	0	0	* No Audit Data expected or found
REP - State House of Representatives Dist. 7	Blake Parker	0	0	0	0	0	0	* No Audit Data expected or found
REP - State House of Representatives Dist. 7	Jay West	0	0	0	0	0	0	* No Audit Data expected or found

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0850	Failsafe						
DEM - Coroner		Ronnie Ashley	1	1	0	0	* All votes cast for this candidate in this precinct are optical. * No Audit Data for optical.
DEM - Coroner		Cassius I Murray	3	3	0	0	* All votes cast for this candidate in this precinct are optical. * No Audit Data for optical.
DEM - County Council District 3		Casey Hyman Ashley	0	0	0	0	* No Audit Data expected or found
DEM - County Council District 3		Charles H Goodwin	3	3	0	0	* All votes cast for this candidate in this precinct are optical. * No Audit Data for optical.
REP - State Senate District 4		Rockey Burgess	0	0	0	0	* No Audit Data expected or found
REP - State Senate District 4		Michael W Gambrell	0	0	0	0	* No Audit Data expected or found
REP - State House of Representatives Dist. 7	Dennis Ted Grindstaff		0	0	0	0	* No Audit Data expected or found
REP - State House of Representatives Dist. 7	Blake Parker		0	0	0	0	* No Audit Data expected or found
REP - State House of Representatives Dist. 7	Jay West		0	0	0	0	* No Audit Data expected or found
0900	Provisional						
DEM - Coroner		Ronnie Ashley	0	0	0	0	* No Audit Data expected or found
DEM - Coroner		Cassius I Murray	0	0	0	0	* No Audit Data expected or found
DEM - County Council District 3		Casey Hyman Ashley	0	0	0	0	* No Audit Data expected or found
DEM - County Council District 3		Charles H Goodwin	0	0	0	0	* No Audit Data expected or found
REP - State Senate District 4		Rockey Burgess	0	0	0	0	* No Audit Data expected or found
REP - State Senate District 4		Michael W Gambrell	0	0	0	0	* No Audit Data expected or found
REP - State House of Representatives Dist. 7	Dennis Ted Grindstaff		0	0	0	0	* No Audit Data expected or found
REP - State House of Representatives Dist. 7	Blake Parker		0	0	0	0	* No Audit Data expected or found
REP - State House of Representatives Dist. 7	Jay West		0	0	0	0	* No Audit Data expected or found
0950	Failsafe Provisional						
DEM - Coroner		Ronnie Ashley	0	0	0	0	* No Audit Data expected or found
DEM - Coroner		Cassius I Murray	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.

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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

 Abbeville EL30A45A Comparison Report
 Election: 2016 Statewide Primary
 Audit Date: 14:21:13, Thu Jun 16, 2016

Office	Candidate	Party	EL30A				EL45A				Delta
			Tot	Opt	iVo	Flash	Tot	Opt	iVo	Flash	
Coroner	Ronnie Ashley		829	71	758	0	829	71	758	0	0
Coroner	Cassius L Murray		795	46	749	0	795	46	749	0	0

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County Council District 3	Casey Hyman Ashley	87	15	72	0	87	15	72	0	0
County Council District 3	Charles H Goodwin	401	25	376	0	401	25	376	0	0
State Senate District 4	Rockey Burgess	21	3	18	0	21	3	18	0	0
State Senate District 4	Michael W Gambrell	90	1	89	0	90	1	89	0	0
State House of Representatives Dist. 7	Dennis Ted Grindstaff	1	0	1	0	1	0	1	0	0
State House of Representatives Dist. 7	Blake Parker	2	0	2	0	2	0	2	0	0
State House of Representatives Dist. 7	Jay West	0	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.

Abbeville PEB Use Report
 Election: 2016 Statewide Primary
 Audit Date: 13:26:52, Thu Jun 16, 2016

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Comments

Precinct	PEBs Used				
Abbeville No. 1	139784				
Abbeville No. 2	138420				
Abbeville No. 3	150638				
Abbeville No. 4	150210				
Antreville	136341				
Broadmouth	151842				
Calhoun Falls	138662				
Cold Springs	148644				
Donalds	138042				
Due West	138612				
Hall's Store	139574				
Keowee	138504				
Lowndesville	150393				
Lebanon	138159	138149	139684	WARNING: 3 PEBs used to open/close machines.	
Absentee	138311				

15 precincts processed

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

Abbeville PEB Exceptions Report
Election: 2016 Statewide Primary
Election date: 06/14/2016
Audit Date: 13:26:52, Thu Jun 16, 2016

iVo #	Op PEB	Open Time	Cl PEB	Close Time	Exception Type	Precinct - Ballots Cast
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5121256	138159	06/14/2016	06:49:49	138149	06/14/2016	20:57:12	>>>0/C PEBs<<<	Lebanon - 1
5127267	138311	05/23/2016	12:52:43	138311	06/14/2016	19:02:18	>>Open Date<<	Absentee - 160
5127267	138311	05/23/2016	12:52:43	138311	06/14/2016	19:02:18	Open Time	Absentee - 160
5131860	138159	06/14/2016	06:51:40	138149	06/14/2016	20:48:35	>>>0/C PEBs<<<	Lebanon - 43
5132681	138311	05/23/2016	12:56:03	138311	06/14/2016	19:05:26	>>Open Date<<	Absentee - 81
5132681	138311	05/23/2016	12:56:03	138311	06/14/2016	19:05:26	Open Time	Absentee - 81
5133064	138159	06/14/2016	06:47:34	139684	06/14/2016	19:49:28	>>>0/C PEBs<<<	Lebanon - 10

The following machines(s) have audit records but no ballots were cast on them: 5119400, 5119892, 5120474
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 Failsafe precinct machines are opened during the middle of the day several days before the election date
of 06/14/2016. So it is normal for these machines to appear on this report with Open Date and Open Time exceptions.