

Pickens 2016 Statewide Primary Audit Report

Pickens Ballot Audit Report
 Election: 2016 Statewide Primary
 Audit Date: 12:31:16, Thu Jun 16, 2016

Prec Nber	Precinct Name	EL30A				Audit				Comments
		Total	Opt	iVo	Flash	iVo	Opt	Man	Delta	
0101	Stone Church	117	0	117	0	117	0	0	0	
0102	University	48	0	48	0	48	0	0	0	
0103	Morrison	102	0	102	0	102	0	0	0	
0104	Abel	64	0	64	0	64	0	0	0	
0105	Calhoun	31	0	31	0	31	0	0	0	
0106	Clemson	186	0	186	0	186	0	0	0	
0107	Issaqueena	70	0	70	0	70	0	0	0	
0108	West Central	52	0	52	0	52	0	0	0	
0109	North Central	162	0	162	0	162	0	0	0	
0110	Pike	104	0	104	0	104	0	0	0	
0111	Lawrence Chapel	189	0	189	0	189	0	0	0	
0112	Norris	231	0	231	0	231	0	0	0	
0113	Six Mile	258	0	258	0	258	0	0	0	
0114	Six Mile Mountain	296	0	296	0	296	0	0	0	
0115	Praters Creek	237	0	237	0	237	0	0	0	
0116	Mountain View	185	0	185	0	185	0	0	0	
0117	Albert R Lewis	356	0	356	0	356	0	0	0	
0118	Holly Springs	437	0	437	0	437	0	0	0	
0119	Pumpkintown	330	0	330	0	330	0	0	0	
0120	Griiffin	432	0	432	0	432	0	0	0	
0121	North Pickens	378	0	378	0	378	0	0	0	
0122	West Pickens	375	0	375	0	375	0	0	0	
0123	South Pickens	290	0	290	0	290	0	0	0	
0124	East Pickens	390	0	390	0	390	0	0	0	
0125	Glassy Mountain	343	0	343	0	343	0	0	0	
0126	Cedar Rock	273	0	273	0	273	0	0	0	
0127	Skelton	305	0	305	0	305	0	0	0	
0128	Rices Creek	290	0	290	0	290	0	0	0	
0129	West Liberty	307	0	307	0	307	0	0	0	
0130	East Liberty	263	0	263	0	263	0	0	0	
0131	Flat Rock	255	0	255	0	255	0	0	0	
0132	Zion	193	0	193	0	193	0	0	0	
0133	Smith Grove	160	0	160	0	160	0	0	0	
0134	Arial Mill	208	0	208	0	208	0	0	0	
0136	Simpson	118	0	118	0	118	0	0	0	
0137	Woodsde	265	0	265	0	265	0	0	0	
0138	Brushy Creek	317	0	317	0	317	0	0	0	
0139	Pickensville	227	0	227	0	227	0	0	0	
0140	Easley	211	0	211	0	211	0	0	0	
0141	Forest Acres	235	0	235	0	235	0	0	0	
0142	Crestview	280	0	280	0	280	0	0	0	

Pickens 2016 Statewide Primary Audit Report

0143	Sitton	228	0	228	0	228	0	0	0
0144	Rock Springs	232	0	232	0	232	0	0	0
0145	Saluda	123	0	123	0	123	0	0	0
0146	Crosswell	192	0	192	0	192	0	0	0
0147	Georges Creek	194	0	194	0	194	0	0	0
0148	McKissick	252	0	252	0	252	0	0	0
0149	Vinland	133	0	133	0	133	0	0	0
0150	Crossroads	259	0	259	0	259	0	0	0
0151	Dacusville	240	0	240	0	240	0	0	0
0152	Nine Forks	308	0	308	0	308	0	0	0
0153	South Central	114	0	114	0	114	0	0	0
0154	Crescent Hill	441	0	441	0	441	0	0	0
0155	North Liberty	213	0	213	0	213	0	0	0
0156	Pendleton	222	0	222	0	222	0	0	0
0157	Fruit Mountain	178	0	178	0	178	0	0	0
0158	Popefield	179	0	179	0	179	0	0	0
0159	Sheffield	352	0	352	0	352	0	0	0
0160	Tri County	85	0	85	0	85	0	0	0
0161	McAlister	178	0	178	0	178	0	0	0
0163	Lenhardt	193	0	193	0	193	0	0	0
Precincts Total:		13886	0	13886	0	13886	0	0	0
0750	Absentee	1124	207	917	0	917	207	0	0
0800	Emergency	0	0	0	0	0	0	0	0
0850	Failsafe	14	0	14	0	14	0	0	0
0900	Provisional	17	17	0	0	0	17	0	0
0950	Failsafe Provisional	5	5	0	0	0	5	0	0
Virtual Precincts Total:		1160	229	931	0	931	229	0	0
Grand Total:		15046	229	14817	0	14817	229	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: 35
 The following precincts have no ballots cast in them: Emergency
 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
14817	14817	14817
Delta from EL30A	0	0
	Delta from EL155	0
	Cast By Voter	14805

Pickens 2016 Statewide Primary Audit Report

Cast By Poll Wkr	12	
Blank Cast by PW	0	

Cancelled Ballots	140	

Wrong Ballot	12	
Voter Left AB	5	(AB = After ballot selected by poll worker.)
Voter Left BB	5	(BB = Before ballot selected by poll worker.)
Voter Request	11	
Printer Problem	11	
Terminal Problem	36	
Other Reason	60	

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

Note: The following machines(s) have audit records but no ballots were cast on them: 5114196, 5116294, 5118675, 5123041, ♀ , 5127207, 5129963, 5134021, 5134964, 5136785

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

Pickens 2016 Statewide Primary Audit Report

Ocounting 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 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.

Pickens Vote Level Audit Report
 Election: 2016 Statewide Election
 Audit Date: 22:40:39, Wed Jun 15, 2016

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

Auditor's Comments: Due to a problem with the audit data, the CEC was unable to create an EL155 Vote Image Log. ES&S Support was engaged to assist. ES&S was able to extract an EL155 however, it contained a non standard header record. Because of that non standard header, a vote level audit could not be built.

The number of ballots in the ballot level audit confirms that the correct number of ballots is being reported in the EL30A

Pickens 2016 Statewide Primary Audit Report

and the EL45A. So we are completing this audit with a known exception that a vote level report cannot be built.

Pickens EL30A45A Comparison Report
 Election: 2016 Statewide Primary
 Audit Date: 13:21:38, Thu Jun 16, 2016

Office	Candidate	Party	EL30A				EL45A				Delta
			Tot	Opt	iVo	Flash	Tot	Opt	iVo	Flash	
Sheriff	Rick Clark		8149	139	8010	0	8149	139	8010	0	0
Sheriff	Tim Morgan		6765	81	6684	0	6765	81	6684	0	0
State Senate District 2	Don Joslyn		1634	23	1611	0	1634	23	1611	0	0
State Senate District 2	Larry A Martin		6284	113	6171	0	6284	113	6171	0	0
State Senate District 2	Allan Quinn		1378	9	1369	0	1378	9	1369	0	0
State Senate District 2	Rex F Rice		4641	57	4584	0	4641	57	4584	0	0
County Council District 3	Randy Crenshaw		856	10	846	0	856	10	846	0	0
County Council District 3	Jimmy L Davis		382	7	375	0	382	7	375	0	0
County Council District 3	Wes Hendricks		1350	8	1342	0	1350	8	1342	0	0
County Council District 3	Alex Saitta		1517	20	1497	0	1517	20	1497	0	0
State House of Representatives Dist 5	Neal Collins		3013	57	2956	0	3013	57	2956	0	0
State House of Representatives Dist 5	Rick Tate		2128	34	2094	0	2128	34	2094	0	0
County Council District 4	Roy Costner		1191	12	1179	0	1191	12	1179	0	0
County Council District 4	Keith Culbreath		760	9	751	0	760	9	751	0	0
County Council District 4	G Neil Smith		768	22	746	0	768	22	746	0	0
County Council District 5	Mitch Bagwell		333	5	328	0	333	5	328	0	0
County Council District 5	Chris Bowers		908	14	894	0	908	14	894	0	0
County Council District 5	Robert H Sams		641	18	623	0	641	18	623	0	0
County Council District 5	Harley Staton		106	0	106	0	106	0	106	0	0
County Council District 5	Jeff Willis		811	17	794	0	811	17	794	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

Pickens 2016 Statewide Primary Audit Report

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.

 Pickens PEB Use Report
 Election: 2016 Statewide Primary
 Audit Date: 12:31:16, Thu Jun 16, 2016

Precinct	PEBs Used	Comments
Stone Church	150686	
University	148573	
Morrison	151653	
Abel	138837	
Calhoun	148764	
Cl emson	151103	
Issaqueena	152194	
West Central	151262	
North Central	136901	
Pike	150274	
Lawrence Chapel	151706	
Norris	151939	
Six Mile	151150	
Six Mile Mountain	138074	150225
Praters Creek	151805	WARNING: 2 PEBs used to open/close machines.

Pickens 2016 Statewide Primary Audit Report

Mountain View	137088		
Albert R Lewis	150817		
Holly Springs	139273		
Pumpkintown	148615		
Griffin	138001		
North Pickens	152039		
West Pickens	137235		
South Pickens	138572		
East Pickens	139364		
Glassy Mountain	150578		
Cedar Rock	150853		
Skelton	139778		
Rices Creek	138844		
West Liberty	151379		
East Liberty	151324		
Flat Rock	150531		
Zion	138067		
Smith Grove	150181	138616	151099 WARNING: 3 PEBs used to open/close machines.
Arial Mill	148782		
Simpson	148629		
Woodside	150461		
Brushy Creek	137295		
Pickensville	151924		
Easley	138013		
Forest Acres	138792		
Crestview	151667		
Sutton	138243		
Rock Springs	148630		
Saluda	138600		
Crosswell	137769		
Georges Creek	139757		
McKissick	151353		
Vinland	150843		
Crossroads	138147		
Dacusville	138592		
Nine Forks	150805		
South Central	151331		
Crescent Hill	150163		
North Liberty	150640		
Pendleton	139043		
Fruit Mountain	151290		
Pope Field	138247		
Sheffield	152207		
Tri County	229476	137829	WARNING: 2 PEBs used to open/close machines.
McAlister	137866		
Lenhardt	150010		
Absentee	138107		
Fairfield	138107		

Pickens 2016 Statewide Primary Audit Report

63 precincts processed

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

 Pickens PEB Exceptions Report
 Election: 2016 Statewide Primary
 Election date: 06/14/2016
 Audit Date: 12:31:16, Thu Jun 16, 2016

iVo #	Op PEB	Open Time	Cl PEB	Close Time	Exception Type	Precinct - Ballots Cast
5118368	138792	06/14/2013 06:09:28	138792	06/14/2016 19:45:06	>>Open Date<<	Forest Acres - 133
5119356	150163	07/15/2016 05:57:41	150163	07/15/2016 19:07:55	>>Open Date<<	Crescent Hill - 4
5119356	150163	07/15/2016 05:57:41	150163	07/15/2016 19:07:55	>>Close Date<<	Crescent Hill - 4
5119925	150163	06/14/2016 07:43:08	150163	06/14/2016 19:18:46	Open Time	Crescent Hill - 64
5120257	137829	06/14/2012 08:53:47	137829	06/14/2016 19:28:29	>>Open Date<<	Tri County - 46
5120257	137829	06/14/2012 08:53:47	137829	06/14/2016 19:28:29	Open Time	Tri County - 46
5120977	138616	06/14/2016 05:50:57	150181	06/14/2016 19:13:56	>>>O/C PEBs<<<	Smith Grove - 90
5122073	150853	06/14/2013 06:51:36	150853	06/14/2016 20:11:46	>>Open Date<<	Cedar Rock - 36
5122364	138107	05/16/2016 09:45:43	138107	06/14/2016 19:11:12	>>Open Date<<	Absentee - 220
						Fail safe - 7
5122364	138107	05/16/2016 09:45:43	138107	06/14/2016 19:11:12	Open Time	Absentee - 220
						Fail safe - 7
5123631	138107	05/16/2016 09:54:17	138107	06/14/2016 19:08:33	>>Open Date<<	Absentee - 36
5123631	138107	05/16/2016 09:54:17	138107	06/14/2016 19:08:33	Open Time	Absentee - 36
5125820	138074	06/14/2016 06:38:41	150225	06/14/2016 19:09:53	>>>O/C PEBs<<<	Six Mile Mountain - 38
5125870	148782	06/14/2013 06:01:42	148782	06/14/2016 19:42:52	>>Open Date<<	Arial Mill - 72

Pickens 2016 Statewide Primary Audit Report

5126435	138107	05/16/2016	09:44:36	138107	06/14/2016	19:09:25	>>Open Date<<	Absentee - 341 Fail safe - 4
5126435	138107	05/16/2016	09:44:36	138107	06/14/2016	19:09:25	Open Time	Absentee - 341 Fail safe - 4
5126600	151099	06/14/2016	05:49:48	150181	06/14/2016	19:10:46	>>>O/C PEBs<<<	Smith Grove - 37
5127368	138074	06/14/2016	06:42:05	150225	06/14/2016	19:11:49	>>>O/C PEBs<<<	Six Mile Mountain - 89
5129963	229476	06/14/2016	06:23:25	229476	06/14/2016	15:14:10	Close Time	>>>No Ballots<<<
5135354	138107	05/16/2016	09:40:26	138107	06/14/2016	19:05:01	>>Open Date<<	Absentee - 223 Fail safe - 2
5135354	138107	05/16/2016	09:40:26	138107	06/14/2016	19:05:01	Open Time	Absentee - 223 Fail safe - 2
5135774	138616	06/14/2013	05:52:44	150181	06/14/2016	19:09:00	>>>O/C PEBs<<<	Smith Grove - 26
5135774	138616	06/14/2013	05:52:44	150181	06/14/2016	19:09:00	>>Open Date<<	Smith Grove - 26
5136023	138074	06/14/2016	06:39:55	150225	06/14/2016	19:10:17	>>>O/C PEBs<<<	Six Mile Mountain - 169
5136078	138107	05/16/2016	09:47:58	138107	06/14/2016	19:05:33	>>Open Date<<	Absentee - 97 Fail safe - 1
5136078	138107	05/16/2016	09:47:58	138107	06/14/2016	19:05:33	Open Time	Absentee - 97 Fail safe - 1
5136785	229476	06/14/2016	10:10:37	229476	06/14/2016	19:09:13	Open Time	>>>No Ballots<<<

*** WARNING: iVotronic Machine 5138166 was not closed

5138343	138001	06/14/2013	05:56:24	138001	06/14/2016	19:21:17	>>Open Date<<	Griffin - 82
---------	--------	------------	----------	--------	------------	----------	---------------	--------------

The following machines(s) have audit records but no ballots were cast on them: 5114196, 5116294, 5118675, 5123041, ♀, 5127207, 5129963, 5134021, 5134964, 5136785
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 06/14/2016. So it is normal for these machines to appear on this report with Open Date and Open Time exceptions.