

Oconee 2016 Statewide Runoff Audit Report

Oconee Ballot Audit Report
 Election: 2016 Statewide Runoff
 Audit Date: 12:18:26, Thu Jun 30, 2016

Prec Nber	Precinct Name	EL30A				Audit				Comments
		Total	Opt	iVo	Flash	iVo	Opt	Man	Delta	
0001	Newry Corinth	14	0	14	0	14	0	0	0	
0002	Earles Grove	71	0	71	0	71	0	0	0	
0003	Ravenel	177	0	177	0	177	0	0	0	
0004	Fair Play	55	0	55	0	55	0	0	0	
0005	Friendship	117	0	117	0	117	0	0	0	
0006	Holly Springs	44	0	44	0	44	0	0	0	
0007	Keowee	138	0	138	0	138	0	0	0	
0008	Long Creek	39	0	39	0	39	0	0	0	
0009	Mt Rest	109	0	109	0	109	0	0	0	
0010	Madison	54	0	54	0	54	0	0	0	
0011	Bountyland	148	0	148	0	148	0	0	0	
0012	Oakway	115	0	115	0	115	0	0	0	
0014	Return	84	0	84	0	84	0	0	0	
0015	Richland	104	0	104	0	104	0	0	0	
0016	Salem	112	0	112	0	112	0	0	0	
0017	Stamp Creek	244	0	244	0	244	0	0	0	
0018	New Hope	178	0	178	0	178	0	0	0	
0019	Shiloh	75	0	75	0	75	0	0	0	
0020	South Union	117	0	117	0	117	0	0	0	
0021	Tamassee	95	0	95	0	95	0	0	0	
0022	Tokeena Providence	92	0	92	0	92	0	0	0	
0023	Utica	24	0	24	0	24	0	0	0	
0024	Walhalla No 1	280	0	280	0	280	0	0	0	
0025	Walhalla No 2	152	0	152	0	152	0	0	0	
0026	Westminster 1	210	0	210	0	210	0	0	0	
0027	Westminster 2	119	0	119	0	119	0	0	0	
0028	West Union	120	0	120	0	120	0	0	0	
0029	Seneca No 1	193	0	193	0	193	0	0	0	
0030	Seneca No 2	160	0	160	0	160	0	0	0	
0031	Seneca No 3	111	0	111	0	111	0	0	0	
0032	Seneca No 4	166	0	166	0	166	0	0	0	
Precincts Total :		3717	0	3717	0	3717	0	0	0	
0750	Absentee	300	111	189	0	189	111	0	0	
0800	Emergency	0	0	0	0	0	0	0	0	
0850	Fail safe	0	0	0	0	0	0	0	0	
0900	Provisional	0	0	0	0	0	0	0	0	
0950	Fail safe Provisional	1	1	0	0	0	1	0	0	
Virtual Precincts Total :		301	112	189	0	189	112	0	0	
Grand Total :		4018	112	3906	0	3906	112	0	0	

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

Auditor's Comments:

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Total number of iVotronic ballots cast containing no votes: 20

The following precincts have no ballots cast in them: Emergency, 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
3906	3906	3906
Delta from EL30A	0	0
	Delta from EL155	0
	Cast By Voter	3896
	Cast By Poll Wkr	10
	Blank Cast by PW	0
	Cancelled Ballots	27
	Wrong Ballot	0
	Voter Left AB	0
	Voter Left BB	0
	Voter Request	2
	Printer Problem	3
	Terminal Problem	3
	Other Reason	19

(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 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

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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 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.

Oconee Vote Level Audit Report
 Election: 2016 Statewide Runoff
 Audit Date: 12:20:18, Thu Jun 30, 2016

Precinct Number / Name Office	Candidate	Party	EL30A				Audit		Comments
			Total	Optical	iVo	Flash	iVo	Delta	
0001 Newry Corinth									
REP - Solicitor Circuit 10	Rame Campbell		6	0	6	0	6	0	
REP - Solicitor Circuit 10	David Wagner		8	0	8	0	8	0	
0002 Earles Grove									
REP - Solicitor Circuit 10	Rame Campbell		14	0	14	0	14	0	

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REP - Sol i ci tor Ci rcui t 10	Davi d Wagner	57	0	57	0	57	0
0003 Ravenel							
REP - Sol i ci tor Ci rcui t 10	Rame Campbel l	29	0	29	0	29	0
REP - Sol i ci tor Ci rcui t 10	Davi d Wagner	148	0	148	0	148	0
0004 Fai r Pl ay							
REP - Sol i ci tor Ci rcui t 10	Rame Campbel l	5	0	5	0	5	0
REP - Sol i ci tor Ci rcui t 10	Davi d Wagner	50	0	50	0	50	0
0005 Fri endshi p							
REP - Sol i ci tor Ci rcui t 10	Rame Campbel l	30	0	30	0	30	0
REP - Sol i ci tor Ci rcui t 10	Davi d Wagner	84	0	84	0	84	0
0006 Hol l y Springs							
REP - Sol i ci tor Ci rcui t 10	Rame Campbel l	11	0	11	0	11	0
REP - Sol i ci tor Ci rcui t 10	Davi d Wagner	33	0	33	0	33	0
0007 Keowe e							
REP - Sol i ci tor Ci rcui t 10	Rame Campbel l	24	0	24	0	24	0
REP - Sol i ci tor Ci rcui t 10	Davi d Wagner	114	0	114	0	114	0
0008 Long Creek							
REP - Sol i ci tor Ci rcui t 10	Rame Campbel l	9	0	9	0	9	0
REP - Sol i ci tor Ci rcui t 10	Davi d Wagner	29	0	29	0	29	0
0009 Mt Rest							
REP - Sol i ci tor Ci rcui t 10	Rame Campbel l	17	0	17	0	17	0
REP - Sol i ci tor Ci rcui t 10	Davi d Wagner	90	0	90	0	90	0
0010 Madi son							
REP - Sol i ci tor Ci rcui t 10	Rame Campbel l	18	0	18	0	18	0
REP - Sol i ci tor Ci rcui t 10	Davi d Wagner	35	0	35	0	35	0
0011 Boun ty l and							
REP - Sol i ci tor Ci rcui t 10	Rame Campbel l	21	0	21	0	21	0
REP - Sol i ci tor Ci rcui t 10	Davi d Wagner	126	0	126	0	126	0
0012 Oakway							
REP - Sol i ci tor Ci rcui t 10	Rame Campbel l	25	0	25	0	25	0
REP - Sol i ci tor Ci rcui t 10	Davi d Wagner	90	0	90	0	90	0
0014 Return							
REP - Sol i ci tor Ci rcui t 10	Rame Campbel l	9	0	9	0	9	0
REP - Sol i ci tor Ci rcui t 10	Davi d Wagner	75	0	75	0	75	0
0015 Ri chl and							
REP - Sol i ci tor Ci rcui t 10	Rame Campbel l	16	0	16	0	16	0
REP - Sol i ci tor Ci rcui t 10	Davi d Wagner	88	0	88	0	88	0
0016 Sal em							
REP - Sol i ci tor Ci rcui t 10	Rame Campbel l	22	0	22	0	22	0

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REP - Solici tor Ci rcui t 10	Davi d Wagner	89	0	89	0	89	0
0017 Stamp Creek							
REP - Solici tor Ci rcui t 10	Rame Campbel l	36	0	36	0	36	0
REP - Solici tor Ci rcui t 10	Davi d Wagner	205	0	205	0	205	0
0018 New Hope							
REP - Solici tor Ci rcui t 10	Rame Campbel l	26	0	26	0	26	0
REP - Solici tor Ci rcui t 10	Davi d Wagner	152	0	152	0	152	0
0019 Shi loh							
REP - Solici tor Ci rcui t 10	Rame Campbel l	15	0	15	0	15	0
REP - Solici tor Ci rcui t 10	Davi d Wagner	59	0	59	0	59	0
0020 South Uni on							
REP - Solici tor Ci rcui t 10	Rame Campbel l	15	0	15	0	15	0
REP - Solici tor Ci rcui t 10	Davi d Wagner	102	0	102	0	102	0
0021 Tamassee							
REP - Solici tor Ci rcui t 10	Rame Campbel l	21	0	21	0	21	0
REP - Solici tor Ci rcui t 10	Davi d Wagner	73	0	73	0	73	0
0022 Tokeena Provi dence							
REP - Solici tor Ci rcui t 10	Rame Campbel l	17	0	17	0	17	0
REP - Solici tor Ci rcui t 10	Davi d Wagner	75	0	75	0	75	0
0023 Uti ca							
REP - Solici tor Ci rcui t 10	Rame Campbel l	6	0	6	0	6	0
REP - Solici tor Ci rcui t 10	Davi d Wagner	18	0	18	0	18	0
0024 Wal hall a No 1							
REP - Solici tor Ci rcui t 10	Rame Campbel l	46	0	46	0	46	0
REP - Solici tor Ci rcui t 10	Davi d Wagner	234	0	234	0	234	0
0025 Wal hall a No 2							
REP - Solici tor Ci rcui t 10	Rame Campbel l	24	0	24	0	24	0
REP - Solici tor Ci rcui t 10	Davi d Wagner	128	0	128	0	128	0
0026 Westmi nster 1							
REP - Solici tor Ci rcui t 10	Rame Campbel l	28	0	28	0	28	0
REP - Solici tor Ci rcui t 10	Davi d Wagner	180	0	180	0	180	0
0027 Westmi nster 2							
REP - Solici tor Ci rcui t 10	Rame Campbel l	22	0	22	0	22	0
REP - Solici tor Ci rcui t 10	Davi d Wagner	97	0	97	0	97	0
0028 West Uni on							
REP - Solici tor Ci rcui t 10	Rame Campbel l	20	0	20	0	20	0
REP - Solici tor Ci rcui t 10	Davi d Wagner	100	0	100	0	100	0
0029 Seneca No 1							
REP - Solici tor Ci rcui t 10	Rame Campbel l	16	0	16	0	16	0

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REP - Solicitor Circuit 10	David Wagner	175	0	175	0	175	0
0030 Seneca No 2							
REP - Solicitor Circuit 10	Rame Campbell	14	0	14	0	14	0
REP - Solicitor Circuit 10	David Wagner	146	0	146	0	146	0
0031 Seneca No 3							
REP - Solicitor Circuit 10	Rame Campbell	16	0	16	0	16	0
REP - Solicitor Circuit 10	David Wagner	95	0	95	0	95	0
0032 Seneca No 4							
REP - Solicitor Circuit 10	Rame Campbell	30	0	30	0	30	0
REP - Solicitor Circuit 10	David Wagner	134	0	134	0	134	0
0750 Absentee							
REP - Solicitor Circuit 10	Rame Campbell	62	27	35	0	35	0
REP - Solicitor Circuit 10	David Wagner	238	84	154	0	154	0
0800 Emergency							
REP - Solicitor Circuit 10	Rame Campbell	0	0	0	0	* No Audit Data expected or found	
REP - Solicitor Circuit 10	David Wagner	0	0	0	0	* No Audit Data expected or found	
0850 Failsafe							
REP - Solicitor Circuit 10	Rame Campbell	0	0	0	0	* No Audit Data expected or found	
REP - Solicitor Circuit 10	David Wagner	0	0	0	0	* No Audit Data expected or found	
0900 Provisional							
REP - Solicitor Circuit 10	Rame Campbell	0	0	0	0	* No Audit Data expected or found	
REP - Solicitor Circuit 10	David Wagner	0	0	0	0	* No Audit Data expected or found	
0950 Failsafe Provisional							
REP - Solicitor Circuit 10	Rame Campbell	0	0	0	0	* No Audit Data expected or found	
REP - Solicitor Circuit 10	David Wagner	1	1	0	0	* All votes cast for this candidate * in this precinct are optical. * No Audit Data for optical.	

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

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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 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

Oconee EL30A45A Comparison Report
 Election: 2016 Statewide Runoff
 Audit Date: 12:20:43, Thu Jun 30, 2016

Office	Candidate	Party	EL30A				EL45A				Delta
			Tot	Opt	iVo	Flash	Tot	Opt	iVo	Flash	
Solicitor Circuit 10	Rame Campbell		670	27	643	0	670	27	643	0	0
Solicitor Circuit 10	David Wagner		3328	85	3243	0	3328	85	3243	0	0

How to read this report.

This is EL30A EL45A Crosscheck Report. It sums each candidates vote totals in each precinct in

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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 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.

Oconee PEB Use Report

Election: 2016 Statewide Runoff
Audit Date: 12:18:26, Thu Jun 30, 2016

Precinct	PEBs Used	Comments
Newry Corinth	210502	
Earles Grove	181028	
Ravenel	150395	
Fair Play	152196	
Friendship	150358	
Holly Springs	150339	
Keowee	151506	
Long Creek	150997	
Mt Rest	150244	
Madison	224867	
Bountyland	150056	
Oakway	150905	
Return	181632	
Richland	150660	
Salem	208493	
Stamp Creek	150927	
New Hope	151743	
Shiloh	150135	

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South Union	137062
Tamassee	152113
Tokeena Providence	150443
Utica	138501
Walhalla No 1	151641
Walhalla No 2	150292
Westminster 1	181022
Westminster 2	136864
West Union	150933
Seneca No 1	150070
Seneca No 2	150227
Seneca No 3	150698
Seneca No 4	150362
Absentee	136970

32 precincts processed

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

Oconee PEB Exceptions Report
 Election: 2016 Statewide Runoff
 Election date: 06/28/2016
 Audit Date: 12:18:26, Thu Jun 30, 2016

iVo #	Op PEB	Open Time	Cl PEB	Close Time	Exception Type	Precinct - Ballots Cast
5138200	136970	06/20/2016 15:08:44	136970	06/28/2016 19:21:49	>>Open Date<<	Absentee - 189
5138200	136970	06/20/2016 15:08:44	136970	06/28/2016 19:21:49	Open Time	Absentee - 189

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 06/28/2016. So it is normal for these machines to appear on this report with Open Date and Open Time exceptions.