

Jasper 2016 Statewide Runoff Audit Report

Jasper Ballot Audit Report  
 Election: 2016 Statewide Runoff  
 Audit Date: 14:07:45, Thu Jun 30, 2016

Prec Nber	Precinct Name	EL30A				Audit				Comments
		Total	Opt	iVo	Flash	iVo	Opt	Man	Delta	
0101	Coosawatchie	181	0	181	0	181	0	0	0	
0102	Gillisonville	242	0	242	0	242	0	0	0	
0103	Grahamville 1	413	0	413	0	413	0	0	0	
0104	Grahamville 2	615	0	615	0	615	0	0	0	
0105	Grays	290	0	290	0	290	0	0	0	
0106	Hardeeville 1	281	0	281	0	281	0	0	0	
0107	Hardeeville 2	193	0	193	0	193	0	0	0	
0108	Levy	360	0	360	0	360	0	0	0	
0109	Okatie	84	0	84	0	84	0	0	0	
0110	Pine Land	212	0	212	0	212	0	0	0	
0111	Ridgeland 1	336	0	336	0	336	0	0	0	
0112	Ridgeland 2	326	0	326	0	326	0	0	0	
0113	Tilman	239	0	239	0	239	0	0	0	
0114	Ridgeland 3	318	0	318	0	318	0	0	0	
0115	Sun City	201	0	201	0	201	0	0	0	
Precincts Total:		4291	0	4291	0	4291	0	0	0	
0750	Absentee	586	122	464	0	464	122	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	14	14	0	0	0	14	0	0	
0950	Fail safe/Provisional	0	0	0	0	0	0	0	0	
Virtual Precincts Total:		600	136	464	0	464	136	0	0	
Grand Total:		4891	136	4755	0	4755	136	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: 13  
 The following precincts have no ballots cast in them: Emergency, Fail safe, Fail safe/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
4755	4755	4755
Delta from EL30A	0	0
	Delta from EL155	0
	Cast By Voter	4752
	Cast By Poll Wkr	3
	Blank Cast by PW	0

Jasper 2016 Statewide Runoff Audit Report

Cancelled Ballots	19	
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	4	
Printer Problem	0	
Terminal Problem	4	
Other Reason	9	

Number of ADA audio enabled events in this election: 1

Precinct Number and Name	Machine	Date	Time
0104 Grahamville 2	5133111	06/23/2016	15:27:32

Election Date: 06/28/2016

In all but the Absentee Precinct events reported before election day are due to testing. Machines reported with precinct unknown had ADA Audio Enabled Events but no ballots were cast on them.

Note: The following machines(s) have audit records but no ballots were cast on them: ♀ , 5131202, 5132527  
 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 a 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.

Jasper 2016 Statewide Runoff Audit Report

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 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.

Jasper Vote Level Audit Report  
 Election: 2016 Statewide Runoff  
 Audit Date: 14:08:09, Thu Jun 30, 2016

Precinct Number / Name Office	Candidate	Party	EL30A				Audit		Comments
			Total	Optical	iVo	Flash	iVo	Delta	
0101 Coosawhatchie									
State House of Rep Dist 122	Bill Bowers		62	0	62	0	62	0	
State House of Rep Dist 122	Shedron Williams		110	0	110	0	110	0	
Sheriff	Greg Jenkins		133	0	133	0	133	0	
Sheriff	Chris Malphrus		47	0	47	0	47	0	
0102 Gillisonville									
State House of Rep Dist 122	Bill Bowers		128	0	128	0	128	0	

Jasper 2016 Statewide Runoff Audit Report

State House of Rep Dist 122	Shedron Williams	103	0	103	0	103	0
Sheriff	Greg Jenkins	114	0	114	0	114	0
Sheriff	Chris Malphrus	126	0	126	0	126	0
0103 Grahamville 1							
State House of Rep Dist 122	Bill Bowers	139	0	139	0	139	0
State House of Rep Dist 122	Shedron Williams	63	0	63	0	63	0
Sheriff	Greg Jenkins	134	0	134	0	134	0
Sheriff	Chris Malphrus	276	0	276	0	276	0
0104 Grahamville 2							
State House of Rep Dist 122	Bill Bowers	218	0	218	0	218	0
State House of Rep Dist 122	Shedron Williams	369	0	369	0	369	0
Sheriff	Greg Jenkins	406	0	406	0	406	0
Sheriff	Chris Malphrus	208	0	208	0	208	0
0105 Grays							
State House of Rep Dist 122	Bill Bowers	220	0	220	0	220	0
State House of Rep Dist 122	Shedron Williams	61	0	61	0	61	0
Sheriff	Greg Jenkins	66	0	66	0	66	0
Sheriff	Chris Malphrus	222	0	222	0	222	0
0106 Hardeeville 1							
Sheriff	Greg Jenkins	113	0	113	0	113	0
Sheriff	Chris Malphrus	167	0	167	0	167	0
0107 Hardeeville 2							
State House of Rep Dist 122	Bill Bowers	47	0	47	0	47	0
State House of Rep Dist 122	Shedron Williams	13	0	13	0	13	0
Sheriff	Greg Jenkins	97	0	97	0	97	0
Sheriff	Chris Malphrus	96	0	96	0	96	0
0108 Levy							
Sheriff	Greg Jenkins	242	0	242	0	242	0
Sheriff	Chris Malphrus	118	0	118	0	118	0
0109 Okatie							
Sheriff	Greg Jenkins	50	0	50	0	50	0
Sheriff	Chris Malphrus	34	0	34	0	34	0
0110 Pineland							
State House of Rep Dist 122	Bill Bowers	38	0	38	0	38	0
State House of Rep Dist 122	Shedron Williams	165	0	165	0	165	0
Sheriff	Greg Jenkins	177	0	177	0	177	0
Sheriff	Chris Malphrus	33	0	33	0	33	0
0111 Ridgeland 1							
State House of Rep Dist 122	Bill Bowers	250	0	250	0	250	0
State House of Rep Dist 122	Shedron Williams	77	0	77	0	77	0
Sheriff	Greg Jenkins	52	0	52	0	52	0
Sheriff	Chris Malphrus	283	0	283	0	283	0

Jasper 2016 Statewide Runoff Audit Report

0112	Ridgel and 2							
	State House of Rep Dist 122	Bill Bowers	179	0	179	0	179	0
	State House of Rep Dist 122	Shedron Williams	130	0	130	0	130	0
	Sheriff	Greg Jenkins	136	0	136	0	136	0
	Sheriff	Chris Malphrus	188	0	188	0	188	0
0113	Tillman							
	State House of Rep Dist 122	Bill Bowers	101	0	101	0	101	0
	State House of Rep Dist 122	Shedron Williams	124	0	124	0	124	0
	Sheriff	Greg Jenkins	130	0	130	0	130	0
	Sheriff	Chris Malphrus	109	0	109	0	109	0
0114	Ridgel and 3							
	State House of Rep Dist 122	Bill Bowers	217	0	217	0	217	0
	State House of Rep Dist 122	Shedron Williams	85	0	85	0	85	0
	Sheriff	Greg Jenkins	84	0	84	0	84	0
	Sheriff	Chris Malphrus	234	0	234	0	234	0
0115	Sun City							
	Sheriff	Greg Jenkins	34	0	34	0	34	0
	Sheriff	Chris Malphrus	166	0	166	0	166	0
0750	Absentee							
	State House of Rep Dist 122	Bill Bowers	180	12	168	0	168	0
	State House of Rep Dist 122	Shedron Williams	289	85	204	0	204	0
	Sheriff	Greg Jenkins	376	97	279	0	279	0
	Sheriff	Chris Malphrus	205	25	180	0	180	0
0800	Emergency							
	State House of Rep Dist 122	Bill Bowers	0	0	0	0	* No Audit Data expected or found	
	State House of Rep Dist 122	Shedron Williams	0	0	0	0	* No Audit Data expected or found	
	Sheriff	Greg Jenkins	0	0	0	0	* No Audit Data expected or found	
	Sheriff	Chris Malphrus	0	0	0	0	* No Audit Data expected or found	
0850	Fail safe							
	State House of Rep Dist 122	Bill Bowers	0	0	0	0	* No Audit Data expected or found	
	State House of Rep Dist 122	Shedron Williams	0	0	0	0	* No Audit Data expected or found	
	Sheriff	Greg Jenkins	0	0	0	0	* No Audit Data expected or found	
	Sheriff	Chris Malphrus	0	0	0	0	* No Audit Data expected or found	
0900	Provisional							
	State House of Rep Dist 122	Bill Bowers	2	2	0	0	* All votes cast for this candidate * in this precinct are optical. * No Audit Data for optical.	
	State House of Rep Dist 122	Shedron Williams	12	12	0	0	* All votes cast for this candidate * in this precinct are optical. * No Audit Data for optical.	
	Sheriff	Greg Jenkins	13	13	0	0	* All votes cast for this candidate * in this precinct are optical. * No Audit Data for optical.	

Jasper 2016 Statewide Runoff Audit Report

Sheriff	Chris Malphrus	1	1	0	0 * All votes cast for this candidate * in this precinct are optical. * No Audit Data for optical.
0950 Fail safe/Provisional					
Sheriff	Greg Jenkins	0	0	0	0 * No Audit Data expected or found
Sheriff	Chris Malphrus	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

Jasper 2016 Statewide Runoff Audit Report

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

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 Jasper EL30A45A Comparison Report  
 Election: 2016 Statewide Runoff  
 Audit Date: 14: 8: 29, Thu Jun 30, 2016

Office	Candidate	Party	EL30A				EL45A				Delta
			Tot	Opt	iVo	Flash	Tot	Opt	iVo	Flash	
State House of Rep Dist 122	Bill Bowers		1781	14	1767	0	1781	14	1767	0	0
State House of Rep Dist 122	Shedron Williams		1601	97	1504	0	1601	97	1504	0	0
Sheriff	Greg Jenkins		2357	110	2247	0	2357	110	2247	0	0
Sheriff	Chris Malphrus		2513	26	2487	0	2513	26	2487	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.

Jasper PEB Use Report  
 Election: 2016 Statewide Runoff  
 Audit Date: 14:07:45, Thu Jun 30, 2016

Precinct	PEBs Used	Comments
Coosawhatchie	141044	
Gillisonville	154559	
Grahamville 1	133534	
Grahamville 2	177501	
Grays	155291	
Hardeeville 1	155377	
Hardeeville 2	177518	
Levy	136973	
Okatie	144897	
Pine land	152111	
Ridgel and 1	143576	
Ridgel and 2	177487	
Tillman	14	
Ridgel and 3	117740	
Sun City	150722	
Absentee	158722	

16 precincts processed

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



Jasper 2016 Statewide Runoff Audit Report

Election: 2016 Statewide Runoff  
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iVo #	Op PEB	Open Time	CI PEB	Close Time	Exception Type	Precinct - Ballots Cast
5132959	158722	06/22/2016 12:05:42	158722	06/28/2016 19:05:06	>>Open Date<<	Absentee - 155
5132959	158722	06/22/2016 12:05:42	158722	06/28/2016 19:05:06	Open Time	Absentee - 155
5136235	158722	06/22/2016 12:06:21	158722	06/28/2016 19:05:55	>>Open Date<<	Absentee - 150
5136235	158722	06/22/2016 12:06:21	158722	06/28/2016 19:05:55	Open Time	Absentee - 150
5138484	158722	06/22/2016 12:03:33	158722	06/28/2016 19:03:04	>>Open Date<<	Absentee - 159
5138484	158722	06/22/2016 12:03:33	158722	06/28/2016 19:03:04	Open Time	Absentee - 159

The following machines(s) have audit records but no ballots were cast on them: ♀ , 5131202, 5132527  
 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 06/28/2016. So it is normal for these machines to appear on this report with Open Date and Open Time exceptions.