

Kershaw 2017 Congress 5 General Audit Report

Kershaw Ballot Audit Report  
 Election: 2017 Congress 5 General  
 Audit Date: 10:49:58, Fri Jun 23, 2017

Prec Nber	Precinct Name	EL30A				Audit				Comments
		Total	Opt	i Vo	Flash	i Vo	Opt	Man	Delta	
0101	Airport	159	0	159	0	159	0	0	0	
0102	Antioch	106	0	106	0	106	0	0	0	
0103	Bethune	216	0	216	0	216	0	0	0	
0105	Buffalo	145	0	145	0	145	0	0	0	
0107	Camden #1	222	0	222	0	222	0	0	0	
0108	Camden #2	74	0	74	0	74	0	0	0	
0109	Hobkirk's Hill	397	0	397	0	397	0	0	0	
0111	Camden #5	173	0	173	0	173	0	0	0	
0112	Camden #5A	102	0	102	0	102	0	0	0	
0113	Camden #6	79	0	79	0	79	0	0	0	
0115	Cassatt	147	0	147	0	147	0	0	0	
0117	Charlotte Thompson	304	0	304	0	304	0	0	0	
0119	Doby's Mill	190	0	190	0	190	0	0	0	
0121	E Camden/Hermitage	62	0	62	0	62	0	0	0	
0122	Elgin #1	252	0	252	0	252	0	0	0	
0123	Elgin #2	190	0	190	0	190	0	0	0	
0124	Elgin #3	176	0	176	0	176	0	0	0	
0125	Elgin #4	198	0	198	0	198	0	0	0	
0126	Elgin #5	133	0	133	0	133	0	0	0	
0127	Elgin #6	118	0	118	0	118	0	0	0	
0130	Gates Ford	45	0	45	0	45	0	0	0	
0131	Liberty Hill	123	0	123	0	123	0	0	0	
0132	Lugoff #1	213	0	213	0	213	0	0	0	
0133	Lugoff #2	195	0	195	0	195	0	0	0	
0134	Lugoff #3	233	0	233	0	233	0	0	0	
0135	Lugoff #4	229	0	229	0	229	0	0	0	
0140	Malvern Hill	238	0	238	0	238	0	0	0	
0143	Rabon's CrossRoads	356	0	356	0	356	0	0	0	
0146	Riverdale	165	0	165	0	165	0	0	0	
0147	Salt Pond	223	0	223	0	223	0	0	0	
0149	Shaylor's Hill	197	0	197	0	197	0	0	0	
0150	Sprigdale	363	0	363	0	363	0	0	0	
0152	Westville	225	0	225	0	225	0	0	0	
0154	Whites Gardens	236	0	236	0	236	0	0	0	
Precincts Total :		6484	0	6484	0	6484	0	0	0	
0750	Absentee 1	594	62	532	0	532	62	0	0	
0800	Emergency 1	19	19	0	0	0	19	0	0	
0850	Fail safe 1	2	0	2	0	2	0	0	0	
0900	Provisional 1	0	0	0	0	0	0	0	0	
0950	Fail safe Provisional	6	6	0	0	0	6	0	0	
Virtual Precincts Total :		621	87	534	0	534	87	0	0	
Grand Total :		7105	87	7018	0	7018	87	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: 24  
 The following precincts have no ballots cast in them: Provisional 1  
 This audit is complete and has no exceptions.

Status of ERM Reports

EL30A is marked Official  
 EL45A is marked Official

EL30A iVo to EL155 to EL152 Cross Check and Cancelled Ballots.

EL30A iVo Ballots	EL155 Ballots	EL152 Ballots
7018	7018	7018
Delta from EL30A	0	0
	Delta from EL155	0
	Cast By Voter	7017
	Cast By Poll Wkr	1
	Blank Cast by PW	0
	Cancelled Ballots	48
	Wrong Ballot	5
	Voter Left AB	1
	Voter Left BB	1
	Voter Request	6
	Printer Problem	1
	Terminal Problem	11
	Other Reason	23

(AB = After ballot selected by poll worker.)  
 (BB = Before ballot selected by poll worker.)

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

Note: The following machines(s) have audit records but no ballots were cast on them: 5120036, 5136474  
 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.

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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. 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.

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Election: 2017 Congress 5 General  
 Audit Date: 10:50:51, Fri Jun 23, 2017

Precinct Number / Name Office	Candidate	Party	EL30A				Audit		Comments
			Total	Optical	iVo	Flash	iVo	Delta	
0101	Airport								
U. S. House of Rep. District 5	Archie Parnell	(DEM)	47	0	47	0	47	0	
U. S. House of Rep. District 5	David Kulma	(GRN)	1	0	1	0	1	0	
U. S. House of Rep. District 5	Ralph Norman	(REP)	110	0	110	0	110	0	
U. S. House of Rep. District 5	Josh Thornton	(AMR)	1	0	1	0	1	0	
U. S. House of Rep. District 5	Victor Kocher	(LIB)	0	0	0	0	*	No Audit Data expected or found	
U. S. House of Rep. District 5	Write-In		0	0	0	0	*	No Audit Data expected or found	
0102	Antioch								
U. S. House of Rep. District 5	Archie Parnell	(DEM)	47	0	47	0	47	0	
U. S. House of Rep. District 5	David Kulma	(GRN)	0	0	0	0	*	No Audit Data expected or found	
U. S. House of Rep. District 5	Ralph Norman	(REP)	56	0	56	0	56	0	
U. S. House of Rep. District 5	Josh Thornton	(AMR)	1	0	1	0	1	0	
U. S. House of Rep. District 5	Victor Kocher	(LIB)	0	0	0	0	*	No Audit Data expected or found	
U. S. House of Rep. District 5	Write-In		0	0	0	0	*	No Audit Data expected or found	
0103	Bethune								
U. S. House of Rep. District 5	Archie Parnell	(DEM)	109	0	109	0	109	0	
U. S. House of Rep. District 5	David Kulma	(GRN)	1	0	1	0	1	0	
U. S. House of Rep. District 5	Ralph Norman	(REP)	103	0	103	0	103	0	
U. S. House of Rep. District 5	Josh Thornton	(AMR)	1	0	1	0	1	0	
U. S. House of Rep. District 5	Victor Kocher	(LIB)	0	0	0	0	*	No Audit Data expected or found	
U. S. House of Rep. District 5	Write-In		1	0	1	0	1	0	
0105	Buffalo								
U. S. House of Rep. District 5	Archie Parnell	(DEM)	43	0	43	0	43	0	
U. S. House of Rep. District 5	David Kulma	(GRN)	0	0	0	0	*	No Audit Data expected or found	
U. S. House of Rep. District 5	Ralph Norman	(REP)	99	0	99	0	99	0	
U. S. House of Rep. District 5	Josh Thornton	(AMR)	2	0	2	0	2	0	
U. S. House of Rep. District 5	Victor Kocher	(LIB)	0	0	0	0	*	No Audit Data expected or found	
U. S. House of Rep. District 5	Write-In		0	0	0	0	*	No Audit Data expected or found	
0107	Camden #1								
U. S. House of Rep. District 5	Archie Parnell	(DEM)	153	0	153	0	153	0	
U. S. House of Rep. District 5	David Kulma	(GRN)	1	0	1	0	1	0	
U. S. House of Rep. District 5	Ralph Norman	(REP)	68	0	68	0	68	0	
U. S. House of Rep. District 5	Josh Thornton	(AMR)	0	0	0	0	*	No Audit Data expected or found	
U. S. House of Rep. District 5	Victor Kocher	(LIB)	0	0	0	0	*	No Audit Data expected or found	
U. S. House of Rep. District 5	Write-In		0	0	0	0	*	No Audit Data expected or found	
0108	Camden #2								
U. S. House of Rep. District 5	Archie Parnell	(DEM)	44	0	44	0	44	0	
U. S. House of Rep. District 5	David Kulma	(GRN)	0	0	0	0	*	No Audit Data expected or found	
U. S. House of Rep. District 5	Ralph Norman	(REP)	28	0	28	0	28	0	
U. S. House of Rep. District 5	Josh Thornton	(AMR)	1	0	1	0	1	0	

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U. S. House of Rep. District 5	Victor Kocher	(LIB)	0	0	0	0	0	0	* No Audit Data expected or found
U. S. House of Rep. District 5	Write-In		0	0	0	0	0	0	* No Audit Data expected or found
0109 Hobkirk's Hill #####									
U. S. House of Rep. District 5	Archie Parnell	(DEM)	174	0	174	0	174	0	
U. S. House of Rep. District 5	David Kulma	(GRN)	2	0	2	0	2	0	
U. S. House of Rep. District 5	Ralph Norman	(REP)	215	0	215	0	215	0	
U. S. House of Rep. District 5	Josh Thornton	(AMR)	1	0	1	0	1	0	
U. S. House of Rep. District 5	Victor Kocher	(LIB)	3	0	3	0	3	0	
U. S. House of Rep. District 5	Write-In		0	0	0	0	0	0	* No Audit Data expected or found
0111 Camden #5 #####									
U. S. House of Rep. District 5	Archie Parnell	(DEM)	86	0	86	0	86	0	
U. S. House of Rep. District 5	David Kulma	(GRN)	0	0	0	0	0	0	* No Audit Data expected or found
U. S. House of Rep. District 5	Ralph Norman	(REP)	85	0	85	0	85	0	
U. S. House of Rep. District 5	Josh Thornton	(AMR)	0	0	0	0	0	0	* No Audit Data expected or found
U. S. House of Rep. District 5	Victor Kocher	(LIB)	0	0	0	0	0	0	* No Audit Data expected or found
U. S. House of Rep. District 5	Write-In		0	0	0	0	0	0	* No Audit Data expected or found
0112 Camden #5A #####									
U. S. House of Rep. District 5	Archie Parnell	(DEM)	81	0	81	0	81	0	
U. S. House of Rep. District 5	David Kulma	(GRN)	0	0	0	0	0	0	* No Audit Data expected or found
U. S. House of Rep. District 5	Ralph Norman	(REP)	21	0	21	0	21	0	
U. S. House of Rep. District 5	Josh Thornton	(AMR)	0	0	0	0	0	0	* No Audit Data expected or found
U. S. House of Rep. District 5	Victor Kocher	(LIB)	0	0	0	0	0	0	* No Audit Data expected or found
U. S. House of Rep. District 5	Write-In		0	0	0	0	0	0	* No Audit Data expected or found
0113 Camden #6 #####									
U. S. House of Rep. District 5	Archie Parnell	(DEM)	43	0	43	0	43	0	
U. S. House of Rep. District 5	David Kulma	(GRN)	0	0	0	0	0	0	* No Audit Data expected or found
U. S. House of Rep. District 5	Ralph Norman	(REP)	34	0	34	0	34	0	
U. S. House of Rep. District 5	Josh Thornton	(AMR)	2	0	2	0	2	0	
U. S. House of Rep. District 5	Victor Kocher	(LIB)	0	0	0	0	0	0	* No Audit Data expected or found
U. S. House of Rep. District 5	Write-In		0	0	0	0	0	0	* No Audit Data expected or found
0115 Cassatt #####									
U. S. House of Rep. District 5	Archie Parnell	(DEM)	73	0	73	0	73	0	
U. S. House of Rep. District 5	David Kulma	(GRN)	0	0	0	0	0	0	* No Audit Data expected or found
U. S. House of Rep. District 5	Ralph Norman	(REP)	73	0	73	0	73	0	
U. S. House of Rep. District 5	Josh Thornton	(AMR)	1	0	1	0	1	0	
U. S. House of Rep. District 5	Victor Kocher	(LIB)	0	0	0	0	0	0	* No Audit Data expected or found
U. S. House of Rep. District 5	Write-In		0	0	0	0	0	0	* No Audit Data expected or found
0117 Charlotte Thompson #####									
U. S. House of Rep. District 5	Archie Parnell	(DEM)	160	0	160	0	160	0	
U. S. House of Rep. District 5	David Kulma	(GRN)	2	0	2	0	2	0	
U. S. House of Rep. District 5	Ralph Norman	(REP)	139	0	139	0	139	0	
U. S. House of Rep. District 5	Josh Thornton	(AMR)	1	0	1	0	1	0	
U. S. House of Rep. District 5	Victor Kocher	(LIB)	0	0	0	0	0	0	* No Audit Data expected or found
U. S. House of Rep. District 5	Write-In		0	0	0	0	0	0	* No Audit Data expected or found
0119 Doby's Mill #####									

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U. S. House of Rep. District 5	Archie Parnell	(DEM)	95	0	95	0	95	0
U. S. House of Rep. District 5	David Kulma	(GRN)	0	0	0	0	* No Audit Data expected or found	0
U. S. House of Rep. District 5	Ralph Norman	(REP)	93	0	93	0	93	0
U. S. House of Rep. District 5	Josh Thornton	(AMR)	0	0	0	0	* No Audit Data expected or found	0
U. S. House of Rep. District 5	Victor Kocher	(LIB)	1	0	1	0	1	0
U. S. House of Rep. District 5	Write-In		0	0	0	0	* No Audit Data expected or found	0
0121 E Camden/Hermitage #####								
U. S. House of Rep. District 5	Archie Parnell	(DEM)	20	0	20	0	20	0
U. S. House of Rep. District 5	David Kulma	(GRN)	0	0	0	0	* No Audit Data expected or found	0
U. S. House of Rep. District 5	Ralph Norman	(REP)	40	0	40	0	40	0
U. S. House of Rep. District 5	Josh Thornton	(AMR)	0	0	0	0	* No Audit Data expected or found	0
U. S. House of Rep. District 5	Victor Kocher	(LIB)	0	0	0	0	* No Audit Data expected or found	0
U. S. House of Rep. District 5	Write-In		1	0	1	0	1	0
0122 Elgin #1 #####								
U. S. House of Rep. District 5	Archie Parnell	(DEM)	101	0	101	0	101	0
U. S. House of Rep. District 5	David Kulma	(GRN)	0	0	0	0	* No Audit Data expected or found	0
U. S. House of Rep. District 5	Ralph Norman	(REP)	149	0	149	0	149	0
U. S. House of Rep. District 5	Josh Thornton	(AMR)	0	0	0	0	* No Audit Data expected or found	0
U. S. House of Rep. District 5	Victor Kocher	(LIB)	1	0	1	0	1	0
U. S. House of Rep. District 5	Write-In		1	0	1	0	1	0
0123 Elgin #2 #####								
U. S. House of Rep. District 5	Archie Parnell	(DEM)	80	0	80	0	80	0
U. S. House of Rep. District 5	David Kulma	(GRN)	0	0	0	0	* No Audit Data expected or found	0
U. S. House of Rep. District 5	Ralph Norman	(REP)	107	0	107	0	107	0
U. S. House of Rep. District 5	Josh Thornton	(AMR)	3	0	3	0	3	0
U. S. House of Rep. District 5	Victor Kocher	(LIB)	0	0	0	0	* No Audit Data expected or found	0
U. S. House of Rep. District 5	Write-In		0	0	0	0	* No Audit Data expected or found	0
0124 Elgin #3 #####								
U. S. House of Rep. District 5	Archie Parnell	(DEM)	76	0	76	0	76	0
U. S. House of Rep. District 5	David Kulma	(GRN)	0	0	0	0	* No Audit Data expected or found	0
U. S. House of Rep. District 5	Ralph Norman	(REP)	100	0	100	0	100	0
U. S. House of Rep. District 5	Josh Thornton	(AMR)	0	0	0	0	* No Audit Data expected or found	0
U. S. House of Rep. District 5	Victor Kocher	(LIB)	0	0	0	0	* No Audit Data expected or found	0
U. S. House of Rep. District 5	Write-In		0	0	0	0	* No Audit Data expected or found	0
0125 Elgin #4 #####								
U. S. House of Rep. District 5	Archie Parnell	(DEM)	103	0	103	0	103	0
U. S. House of Rep. District 5	David Kulma	(GRN)	0	0	0	0	* No Audit Data expected or found	0
U. S. House of Rep. District 5	Ralph Norman	(REP)	92	0	92	0	92	0
U. S. House of Rep. District 5	Josh Thornton	(AMR)	2	0	2	0	2	0
U. S. House of Rep. District 5	Victor Kocher	(LIB)	1	0	1	0	1	0
U. S. House of Rep. District 5	Write-In		0	0	0	0	* No Audit Data expected or found	0
0126 Elgin #5 #####								
U. S. House of Rep. District 5	Archie Parnell	(DEM)	48	0	48	0	48	0
U. S. House of Rep. District 5	David Kulma	(GRN)	0	0	0	0	* No Audit Data expected or found	0
U. S. House of Rep. District 5	Ralph Norman	(REP)	84	0	84	0	84	0
U. S. House of Rep. District 5	Josh Thornton	(AMR)	1	0	1	0	1	0

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U. S. House of Rep. District 5	Victor Kocher	(LIB)	0	0	0	0	* No Audit Data expected or found
U. S. House of Rep. District 5	Write-In		0	0	0	0	* No Audit Data expected or found
0127 Elgin #6 #####							
U. S. House of Rep. District 5	Archie Parnell	(DEM)	72	0	72	0	72 0
U. S. House of Rep. District 5	David Kulma	(GRN)	1	0	1	0	1 0
U. S. House of Rep. District 5	Ralph Norman	(REP)	45	0	45	0	45 0
U. S. House of Rep. District 5	Josh Thornton	(AMR)	0	0	0	0	* No Audit Data expected or found
U. S. House of Rep. District 5	Victor Kocher	(LIB)	0	0	0	0	* No Audit Data expected or found
U. S. House of Rep. District 5	Write-In		0	0	0	0	* No Audit Data expected or found
0130 Gates Ford #####							
U. S. House of Rep. District 5	Archie Parnell	(DEM)	3	0	3	0	3 0
U. S. House of Rep. District 5	David Kulma	(GRN)	0	0	0	0	* No Audit Data expected or found
U. S. House of Rep. District 5	Ralph Norman	(REP)	40	0	40	0	40 0
U. S. House of Rep. District 5	Josh Thornton	(AMR)	0	0	0	0	* No Audit Data expected or found
U. S. House of Rep. District 5	Victor Kocher	(LIB)	0	0	0	0	* No Audit Data expected or found
U. S. House of Rep. District 5	Write-In		1	0	1	0	1 0
0131 Liberty Hill #####							
U. S. House of Rep. District 5	Archie Parnell	(DEM)	43	0	43	0	43 0
U. S. House of Rep. District 5	David Kulma	(GRN)	0	0	0	0	* No Audit Data expected or found
U. S. House of Rep. District 5	Ralph Norman	(REP)	79	0	79	0	79 0
U. S. House of Rep. District 5	Josh Thornton	(AMR)	0	0	0	0	* No Audit Data expected or found
U. S. House of Rep. District 5	Victor Kocher	(LIB)	0	0	0	0	* No Audit Data expected or found
U. S. House of Rep. District 5	Write-In		0	0	0	0	* No Audit Data expected or found
0132 Lugoff #1 #####							
U. S. House of Rep. District 5	Archie Parnell	(DEM)	70	0	70	0	70 0
U. S. House of Rep. District 5	David Kulma	(GRN)	0	0	0	0	* No Audit Data expected or found
U. S. House of Rep. District 5	Ralph Norman	(REP)	140	0	140	0	140 0
U. S. House of Rep. District 5	Josh Thornton	(AMR)	1	0	1	0	1 0
U. S. House of Rep. District 5	Victor Kocher	(LIB)	2	0	2	0	2 0
U. S. House of Rep. District 5	Write-In		0	0	0	0	* No Audit Data expected or found
0133 Lugoff #2 #####							
U. S. House of Rep. District 5	Archie Parnell	(DEM)	97	0	97	0	97 0
U. S. House of Rep. District 5	David Kulma	(GRN)	0	0	0	0	* No Audit Data expected or found
U. S. House of Rep. District 5	Ralph Norman	(REP)	96	0	96	0	96 0
U. S. House of Rep. District 5	Josh Thornton	(AMR)	0	0	0	0	* No Audit Data expected or found
U. S. House of Rep. District 5	Victor Kocher	(LIB)	0	0	0	0	* No Audit Data expected or found
U. S. House of Rep. District 5	Write-In		0	0	0	0	* No Audit Data expected or found
0134 Lugoff #3 #####							
U. S. House of Rep. District 5	Archie Parnell	(DEM)	73	0	73	0	73 0
U. S. House of Rep. District 5	David Kulma	(GRN)	1	0	1	0	1 0
U. S. House of Rep. District 5	Ralph Norman	(REP)	157	0	157	0	157 0
U. S. House of Rep. District 5	Josh Thornton	(AMR)	1	0	1	0	1 0
U. S. House of Rep. District 5	Victor Kocher	(LIB)	1	0	1	0	1 0
U. S. House of Rep. District 5	Write-In		0	0	0	0	* No Audit Data expected or found
0135 Lugoff #4 #####							

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U. S. House of Rep. District 5	Archie Parnell	(DEM)	68	0	68	0	68	0
U. S. House of Rep. District 5	David Kulma	(GRN)	0	0	0	0	* No Audit Data expected or found	0
U. S. House of Rep. District 5	Ralph Norman	(REP)	157	0	157	0	157	0
U. S. House of Rep. District 5	Josh Thornton	(AMR)	3	0	3	0	3	0
U. S. House of Rep. District 5	Victor Kocher	(LIB)	1	0	1	0	1	0
U. S. House of Rep. District 5	Write-In		0	0	0	0	* No Audit Data expected or found	0
0140 Malvern Hill #####								
U. S. House of Rep. District 5	Archie Parnell	(DEM)	124	0	124	0	124	0
U. S. House of Rep. District 5	David Kulma	(GRN)	1	0	1	0	1	0
U. S. House of Rep. District 5	Ralph Norman	(REP)	113	0	113	0	113	0
U. S. House of Rep. District 5	Josh Thornton	(AMR)	0	0	0	0	* No Audit Data expected or found	0
U. S. House of Rep. District 5	Victor Kocher	(LIB)	0	0	0	0	* No Audit Data expected or found	0
U. S. House of Rep. District 5	Write-In		0	0	0	0	* No Audit Data expected or found	0
0143 Rabon's CrossRoads #####								
U. S. House of Rep. District 5	Archie Parnell	(DEM)	113	0	113	0	113	0
U. S. House of Rep. District 5	David Kulma	(GRN)	0	0	0	0	* No Audit Data expected or found	0
U. S. House of Rep. District 5	Ralph Norman	(REP)	239	0	239	0	239	0
U. S. House of Rep. District 5	Josh Thornton	(AMR)	2	0	2	0	2	0
U. S. House of Rep. District 5	Victor Kocher	(LIB)	2	0	2	0	2	0
U. S. House of Rep. District 5	Write-In		0	0	0	0	* No Audit Data expected or found	0
0146 Riverdale #####								
U. S. House of Rep. District 5	Archie Parnell	(DEM)	145	0	145	0	145	0
U. S. House of Rep. District 5	David Kulma	(GRN)	1	0	1	0	1	0
U. S. House of Rep. District 5	Ralph Norman	(REP)	19	0	19	0	19	0
U. S. House of Rep. District 5	Josh Thornton	(AMR)	0	0	0	0	* No Audit Data expected or found	0
U. S. House of Rep. District 5	Victor Kocher	(LIB)	0	0	0	0	* No Audit Data expected or found	0
U. S. House of Rep. District 5	Write-In		0	0	0	0	* No Audit Data expected or found	0
0147 Salt Pond #####								
U. S. House of Rep. District 5	Archie Parnell	(DEM)	78	0	78	0	78	0
U. S. House of Rep. District 5	David Kulma	(GRN)	0	0	0	0	* No Audit Data expected or found	0
U. S. House of Rep. District 5	Ralph Norman	(REP)	142	0	142	0	142	0
U. S. House of Rep. District 5	Josh Thornton	(AMR)	0	0	0	0	* No Audit Data expected or found	0
U. S. House of Rep. District 5	Victor Kocher	(LIB)	0	0	0	0	* No Audit Data expected or found	0
U. S. House of Rep. District 5	Write-In		0	0	0	0	* No Audit Data expected or found	0
0149 Shaylor's Hill #####								
U. S. House of Rep. District 5	Archie Parnell	(DEM)	99	0	99	0	99	0
U. S. House of Rep. District 5	David Kulma	(GRN)	0	0	0	0	* No Audit Data expected or found	0
U. S. House of Rep. District 5	Ralph Norman	(REP)	96	0	96	0	96	0
U. S. House of Rep. District 5	Josh Thornton	(AMR)	0	0	0	0	* No Audit Data expected or found	0
U. S. House of Rep. District 5	Victor Kocher	(LIB)	1	0	1	0	1	0
U. S. House of Rep. District 5	Write-In		0	0	0	0	* No Audit Data expected or found	0
0150 Springdale #####								
U. S. House of Rep. District 5	Archie Parnell	(DEM)	186	0	186	0	186	0
U. S. House of Rep. District 5	David Kulma	(GRN)	1	0	1	0	1	0
U. S. House of Rep. District 5	Ralph Norman	(REP)	175	0	175	0	175	0
U. S. House of Rep. District 5	Josh Thornton	(AMR)	0	0	0	0	* No Audit Data expected or found	0



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U. S. House of Rep. District 5	Victor Kocher	(LIB)	0	0	0	0	* No Audit Data expected or found	
U. S. House of Rep. District 5	Write-In		1	0	1	0	1	
0152 Westville #####								
U. S. House of Rep. District 5	Archie Parnell	(DEM)	82	0	82	0	82	
U. S. House of Rep. District 5	David Kulma	(GRN)	0	0	0	0	* No Audit Data expected or found	
U. S. House of Rep. District 5	Ralph Norman	(REP)	143	0	143	0	143	
U. S. House of Rep. District 5	Josh Thornton	(AMR)	0	0	0	0	* No Audit Data expected or found	
U. S. House of Rep. District 5	Victor Kocher	(LIB)	0	0	0	0	* No Audit Data expected or found	
U. S. House of Rep. District 5	Write-In		0	0	0	0	* No Audit Data expected or found	
0154 Whites Gardens #####								
U. S. House of Rep. District 5	Archie Parnell	(DEM)	110	0	110	0	110	
U. S. House of Rep. District 5	David Kulma	(GRN)	0	0	0	0	* No Audit Data expected or found	
U. S. House of Rep. District 5	Ralph Norman	(REP)	124	0	124	0	124	
U. S. House of Rep. District 5	Josh Thornton	(AMR)	1	0	1	0	1	
U. S. House of Rep. District 5	Victor Kocher	(LIB)	1	0	1	0	1	
U. S. House of Rep. District 5	Write-In		0	0	0	0	* No Audit Data expected or found	
0750 Absentee 1 #####								
U. S. House of Rep. District 5	Archie Parnell	(DEM)	340	28	312	0	312	
U. S. House of Rep. District 5	David Kulma	(GRN)	2	0	2	0	2	
U. S. House of Rep. District 5	Ralph Norman	(REP)	245	33	212	0	212	
U. S. House of Rep. District 5	Josh Thornton	(AMR)	0	0	0	0	* No Audit Data expected or found	
U. S. House of Rep. District 5	Victor Kocher	(LIB)	4	1	3	0	3	
U. S. House of Rep. District 5	Write-In		0	0	0	0	* No Audit Data expected or found	
0800 Emergency 1 #####								
U. S. House of Rep. District 5	Archie Parnell	(DEM)	9	9	0	0	* All votes cast for this candidate in this precinct are optical.	
							* No Audit Data for optical.	
U. S. House of Rep. District 5	David Kulma	(GRN)	0	0	0	0	* No Audit Data expected or found	
U. S. House of Rep. District 5	Ralph Norman	(REP)	10	10	0	0	* All votes cast for this candidate in this precinct are optical.	
							* No Audit Data for optical.	
U. S. House of Rep. District 5	Josh Thornton	(AMR)	0	0	0	0	* No Audit Data expected or found	
U. S. House of Rep. District 5	Victor Kocher	(LIB)	0	0	0	0	* No Audit Data expected or found	
U. S. House of Rep. District 5	Write-In		0	0	0	0	* No Audit Data expected or found	
0850 Failsafe 1 #####								
U. S. House of Rep. District 5	Archie Parnell	(DEM)	2	0	2	0	2	
U. S. House of Rep. District 5	David Kulma	(GRN)	0	0	0	0	* No Audit Data expected or found	
U. S. House of Rep. District 5	Ralph Norman	(REP)	0	0	0	0	* No Audit Data expected or found	
U. S. House of Rep. District 5	Josh Thornton	(AMR)	0	0	0	0	* No Audit Data expected or found	
U. S. House of Rep. District 5	Victor Kocher	(LIB)	0	0	0	0	* No Audit Data expected or found	
U. S. House of Rep. District 5	Write-In		0	0	0	0	* No Audit Data expected or found	
0900 Provisional 1 #####								
U. S. House of Rep. District 5	Archie Parnell	(DEM)	0	0	0	0	* No Audit Data expected or found	
U. S. House of Rep. District 5	David Kulma	(GRN)	0	0	0	0	* No Audit Data expected or found	

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U. S. House of Rep. District 5	Ralph Norman	(REP)	0	0	0	0 * No Audit Data expected or found
U. S. House of Rep. District 5	Josh Thornton	(AMR)	0	0	0	0 * No Audit Data expected or found
U. S. House of Rep. District 5	Victor Kocher	(LIB)	0	0	0	0 * No Audit Data expected or found
U. S. House of Rep. District 5	Write-In		0	0	0	0 * No Audit Data expected or found
0950 Fail safe Provisional #####						
U. S. House of Rep. District 5	Archie Parnell	(DEM)	2	2	0	0 * All votes cast for this candidate * in this precinct are optical. * No Audit Data for optical.
U. S. House of Rep. District 5	David Kulma	(GRN)	0	0	0	0 * No Audit Data expected or found
U. S. House of Rep. District 5	Ralph Norman	(REP)	4	4	0	0 * All votes cast for this candidate * in this precinct are optical. * No Audit Data for optical.
U. S. House of Rep. District 5	Josh Thornton	(AMR)	0	0	0	0 * No Audit Data expected or found
U. S. House of Rep. District 5	Victor Kocher	(LIB)	0	0	0	0 * No Audit Data expected or found
U. S. House of Rep. District 5	Write-In		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 Ocounting 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.

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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

Kershaw EL30A45A Comparison Report  
 Election: 2017 Congress 5 General  
 Audit Date: 10:52:9, Fri Jun 23, 2017

Office	Candidate	Party	EL30A				EL45A				Delta
			Tot	Opt	iVo	Flash	Tot	Opt	iVo	Flash	
U. S. House of Rep. District 5	Archie Parnell	(DEM)	3299	39	3260	0	3299	39	3260	0	0
U. S. House of Rep. District 5	David Kulma	(GRN)	14	0	14	0	14	0	14	0	0
U. S. House of Rep. District 5	Ralph Norman	(REP)	3720	47	3673	0	3720	47	3673	0	0
U. S. House of Rep. District 5	Josh Thornton	(AMR)	25	0	25	0	25	0	25	0	0
U. S. House of Rep. District 5	Victor Kocher	(LIB)	18	1	17	0	18	1	17	0	0
U. S. House of Rep. District 5	Write-In		5	0	5	0	5	0	5	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.

Kershaw PEB Use Report  
 Election: 2017 Congress 5 General  
 Audit Date: 10:49:58, Fri Jun 23, 2017

Precinct	PEBs Used	Comments
Airport	150095	
Antioch	150574	
Bethune	151717	
Buffalo	241774	
Camden #1	245896	
Camden #2	150214	
Hobkirk's Hill	166125	
Camden #5	151146	
Camden #5A	207297	
Camden #6	157917	
Cassatt	229205	
Charlotte Thompson	137875	
Doby's Mill	118537	
E Camden/Hermitage	150916	
Elgin #1	148855	
Elgin #2	150551	
Elgin #3	142455	
Elgin #4	155053	
Elgin #5	150424	
Elgin #6	241777	
Gates Ford	148930	
Liberty Hill	148892	
Lugoff #1	150426	
Lugoff #2	148937	
Lugoff #3	150964	
Lugoff #4	150525	
Malvern Hill	150522	
Rabon's CrossRoads	150772	
Riverville	150769	
Salt Pond	151725	
Shaylor's Hill	148867	
Springdale	145297	

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Westville 202274  
 Whites Gardens 106466  
 Absentee 1 151004  
 Fail safe 1 151004

36 precincts processed

The following precinct(s) have no ballots cast in them: Provisional 1  
 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.

Kershaw PEB Exceptions Report  
 Election: 2017 Congress 5 General  
 Election date: 06/20/2017  
 Audit Date: 10:49:58, Fri Jun 23, 2017

iVo #	Op PEB	Open Time	Cl PEB	Close Time	Exception Type	Precinct - Ballots Cast
5104980	150964	06/20/2017 07:02:09	150964	06/20/2017 19:01:43	Open Time	Lugoff #3 - 84
5112906	155053	06/20/2017 14:38:51	155053	06/20/2017 19:06:10	Open Time	Elgin #4 - 45
5118942	151004	05/22/2018 10:50:03	151004	06/20/2017 19:06:19	>>Open Date<<	Absentee 1 - 479 Fail safe 1 - 2
5118942	151004	05/22/2018 10:50:03	151004	06/20/2017 19:06:19	Open Time	Absentee 1 - 479 Fail safe 1 - 2
5121102	151004	05/22/2017 10:50:15	151004	06/20/2017 19:05:43	>>Open Date<<	Absentee 1 - 53
5121102	151004	05/22/2017 10:50:15	151004	06/20/2017 19:05:43	Open Time	Absentee 1 - 53
5129692	150424	06/20/2017 08:22:37	150424	06/20/2017 19:03:51	Open Time	Elgin #5 - 92
5136131	148855	06/20/2017 12:17:58	148855	06/20/2017 19:01:58	Open Time	Elgin #1 - 48
5148671	150424	06/20/2017 08:26:33	150424	06/20/2017 19:09:03	Open Time	Elgin #5 - 41
5159685	150964	06/20/2017 07:02:18	150964	06/20/2017 19:02:09	Open Time	Lugoff #3 - 149

The following machines(s) have audit records but no ballots were cast on them: 5120036, 5136474  
 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 06/20/2017. So it is normal for these machines to appear on this report with Open Date and Open Time exceptions.