

Charleston 2016 Statewide Runoff Audit Report

Charleston Ballot Audit Report
 Election: 2016 Statewide Runoff
 Audit Date: 11:14:48, Thu Jun 30, 2016

Prec Nber	Precinct Name	EL30A				Audit				Comments
		Total	Opt	iVo	Flash	iVo	Opt	Man	Delta	
0004	Awendaw	39	0	0	0	39	0	0	0	
0008	Christ Church	41	0	0	0	41	0	0	0	
0100	McCl e l l a n v i l l e	70	0	70	0	70	0	0	0	
0201	Charleston 1	175	0	175	0	175	0	0	0	
0202	Charleston 2	135	0	135	0	135	0	0	0	
0203	Charleston 3	151	0	151	0	151	0	0	0	
0204	Charleston 4	73	0	73	0	73	0	0	0	
0205	Charleston 5	70	0	70	0	70	0	0	0	
0206	Charleston 6	74	0	74	0	74	0	0	0	
0207	Charleston 7	49	0	49	0	49	0	0	0	
0209	Charleston 9	9	0	9	0	9	0	0	0	
0210	Charleston 10	6	0	6	0	6	0	0	0	
0211	Charleston 11	16	0	16	0	16	0	0	0	
0301	Mt Pleasant 1	174	0	174	0	174	0	0	0	
0302	Mt Pleasant 2	48	0	48	0	48	0	0	0	
0303	Mt Pleasant 3	27	0	27	0	27	0	0	0	
0304	Mt Pleasant 4	79	0	79	0	79	0	0	0	
0305	Mt Pleasant 5	114	0	114	0	114	0	0	0	
0306	Mt Pleasant 6	57	0	57	0	57	0	0	0	
0313	Mt Pleasant 13	37	0	37	0	37	0	0	0	
0314	Mt Pleasant 14	52	0	52	0	52	0	0	0	
0315	Mt Pleasant 15	162	0	162	0	162	0	0	0	
0316	Mt Pleasant 16	95	0	95	0	95	0	0	0	
0317	Mt Pleasant 17	74	0	74	0	74	0	0	0	
0318	Mt Pleasant 18	112	0	112	0	112	0	0	0	
0320	Mt Pleasant 20	45	0	45	0	45	0	0	0	
0321	Mt Pleasant 21	55	0	55	0	55	0	0	0	
0322	Mt Pleasant 22	10	0	10	0	10	0	0	0	
0323	Mt Pleasant 23	17	0	17	0	17	0	0	0	
0327	Mt Pleasant 27	91	0	91	0	91	0	0	0	
0336	Mt Pleasant 36	5	0	5	0	5	0	0	0	
0337	Mt Pleasant 37	49	0	49	0	49	0	0	0	
0338	Mt Pleasant 38	34	0	34	0	34	0	0	0	
0405	James Island 6	13	0	13	0	13	0	0	0	
0407	James Island 8A	85	0	85	0	85	0	0	0	
0408	James Island 8B	43	0	43	0	43	0	0	0	
0409	James Island 9	57	0	57	0	57	0	0	0	
0410	James Island 10	51	0	51	0	51	0	0	0	
0411	James Island 11	121	0	121	0	121	0	0	0	
0412	James Island 12	130	0	130	0	130	0	0	0	
0413	James Island 13	124	0	124	0	124	0	0	0	
0414	James Island 14	66	0	66	0	66	0	0	0	
0415	James Island 15	83	0	83	0	83	0	0	0	
0417	James Island 17	96	0	96	0	96	0	0	0	
0419	James Island 19	51	0	51	0	51	0	0	0	

Charleston 2016 Statewide Runoff Audit Report

0420	James Island 20	45	0	45	0	45	0	0	0
0422	James Island 22	87	0	87	0	87	0	0	0
0442	Johns Island 2	88	0	88	0	88	0	0	0
0443	Johns Island 3A	87	0	87	0	87	0	0	0
0501	St Andrews 1	17	0	17	0	17	0	0	0
0504	St Andrews 4	183	0	183	0	183	0	0	0
0505	St Andrews 5	145	0	145	0	145	0	0	0
0506	St Andrews 6	156	0	156	0	156	0	0	0
0507	St Andrews 7	90	0	90	0	90	0	0	0
0510	St Andrews 10	44	0	44	0	44	0	0	0
0511	St Andrews 11	81	0	81	0	81	0	0	0
0512	St Andrews 12	107	0	107	0	107	0	0	0
0513	St Andrews 13	99	0	99	0	99	0	0	0
0514	St Andrews 14	80	0	80	0	80	0	0	0
0516	St Andrews 16	52	0	52	0	52	0	0	0
0517	St Andrews 17	94	0	94	0	94	0	0	0
0518	St Andrews 18	3	0	3	0	3	0	0	0
0520	St Andrews 20	79	0	79	0	79	0	0	0
0521	St Andrews 21	32	0	32	0	32	0	0	0
0522	St Andrews 22	39	0	39	0	39	0	0	0
0523	St Andrews 23	14	0	14	0	14	0	0	0
0524	St Andrews 24	42	0	42	0	42	0	0	0
0526	St Andrews 26	57	0	57	0	57	0	0	0
0527	St Andrews 27	81	0	81	0	81	0	0	0
0528	St Andrews 28	37	0	37	0	37	0	0	0
0529	St Andrews 29	49	0	49	0	49	0	0	0
0530	St Andrews 30	39	0	39	0	39	0	0	0
0531	St Andrews 31	17	0	17	0	17	0	0	0
0532	St Andrews 32	37	0	37	0	37	0	0	0
0533	St Andrews 33	46	0	46	0	46	0	0	0
0534	St Andrews 34	108	0	108	0	108	0	0	0
0535	St Andrews 35	88	0	88	0	88	0	0	0
0536	St Andrews 36	53	0	53	0	53	0	0	0
0537	St Andrews 37	103	0	103	0	103	0	0	0
0603	N Charleston 3	78	0	78	0	78	0	0	0
0620	N Charleston 20	36	0	36	0	36	0	0	0
0623	N Charleston 23	20	0	20	0	20	0	0	0
Precincts Total :		5678	0	5598	0	5678	0	0	0
0750	Absentee	589	440	149	0	149	440	0	0
0800	Emergency	0	0	0	0	0	0	0	0
0850	Failsafe	1	0	1	0	1	0	0	0
0900	Provisional	28	28	0	0	0	28	0	0
Virtual Precincts Total :		618	468	150	0	150	468	0	0
Grand Total :		6296	468	5748	0	5828	468	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: 11
 The following precincts have no ballots cast in them: Emergency

Charleston 2016 Statewide Runoff Audit Report

This audit is complete and has no exceptions.

Auditor's Comments: County had to use flash card data to get results from precincts Awendaw and Christ Church.
 This caused the 80 ballot discrepancy in the lock report.
 Manual Entries found county used a DS850 for optical ballots and made manual entries from the scanner tape.

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

EL30A Ivo Ballots	EL155 Ballots	EL152 Ballots
5748	5828	5828
Delta from EL30A	80	80
	Delta from EL155	0
	Cast By Voter	5826
	Cast By Poll Wkr	2
	Blank Cast by PW	0
	Cancelled Ballots	37
	Wrong Ballot	15
	Voter Left AB	0
	Voter Left BB	1
	Voter Request	4
	Printer Problem	2
	Terminal Problem	1
	Other Reason	14

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

Number of ADA audio enabled events in this election: 1

Precinct Number and Name	Machine	Date	Time
0750 Absentee	5124536	06/20/2016	08:31:35

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: 5118608, 5123211, 5133203, 5136394, 5140443
 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. 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.

Charleston 2016 Statewide Runoff Audit Report

Charleston Vote Level Audit Report
 Election: 2016 Statewide Runoff
 Audit Date: 11:22:10, Thu Jun 30, 2016

Precinct Number / Name Office	Candidate	Party	EL30A				Audit		Comments
			Total	Optical	iVo	Flash	iVo	Delta	
0004 Awendaw									
State Senate DISTRICT 34	Reese Boyd		18	0	0	0	18	-18	PEB Data
State Senate DISTRICT 34	Stephen Gol dfinch		21	0	0	0	21	-21	PEB Data
0008 Christ Church									
State Senate DISTRICT 34	Reese Boyd		21	0	0	0	21	-21	PEB Data
State Senate DISTRICT 34	Stephen Gol dfinch		19	0	0	0	19	-19	PEB Data
<p>Auditor's Comments: County had to use flash card data to get results from precincts Awendaw and Christ Church. This caused the 80 ballot discrepancy in this report. Manual Entries found county used a DS850 for optical ballots and made manual entries from the scanner tape.</p>									
0100 McClellanville									
State Senate DISTRICT 34	Reese Boyd		42	0	42	0	42	0	
State Senate DISTRICT 34	Stephen Gol dfinch		28	0	28	0	28	0	
0201 Charleston 1									
State House of Representatives DISTRICT 110	William S Cogswell Jr		92	0	92	0	92	0	
State House of Representatives DISTRICT 110	Russell Guerard		83	0	83	0	83	0	
0202 Charleston 2									
State House of Representatives DISTRICT 110	William S Cogswell Jr		87	0	87	0	87	0	
State House of Representatives DISTRICT 110	Russell Guerard		48	0	48	0	48	0	
0203 Charleston 3									
State House of Representatives DISTRICT 110	William S Cogswell Jr		85	0	85	0	85	0	
State House of Representatives DISTRICT 110	Russell Guerard		65	0	65	0	65	0	
0204 Charleston 4									
State House of Representatives DISTRICT 110	William S Cogswell Jr		42	0	42	0	42	0	
State House of Representatives DISTRICT 110	Russell Guerard		31	0	31	0	31	0	
0205 Charleston 5									
State House of Representatives DISTRICT 110	William S Cogswell Jr		40	0	40	0	40	0	
State House of Representatives DISTRICT 110	Russell Guerard		30	0	30	0	30	0	
0206 Charleston 6									
State House of Representatives DISTRICT 110	William S Cogswell Jr		49	0	49	0	49	0	
State House of Representatives DISTRICT 110	Russell Guerard		25	0	25	0	25	0	

Charleston 2016 Statewide Runoff Audit Report

0207	Charleston 7										
	State House of Representatives	DISTRICT	110William S Cogswell Jr	24	0	24	0	24	0	24	0
	State House of Representatives	DISTRICT	110Russell Guerard	25	0	25	0	25	0	25	0
0209	Charleston 9										
	State House of Representatives	DISTRICT	110William S Cogswell Jr	7	0	7	0	7	0	7	0
	State House of Representatives	DISTRICT	110Russell Guerard	2	0	2	0	2	0	2	0
0210	Charleston 10										
	State House of Representatives	DISTRICT	110William S Cogswell Jr	4	0	4	0	4	0	4	0
	State House of Representatives	DISTRICT	110Russell Guerard	2	0	2	0	2	0	2	0
0211	Charleston 11										
	State House of Representatives	DISTRICT	110William S Cogswell Jr	6	0	6	0	6	0	6	0
	State House of Representatives	DISTRICT	110Russell Guerard	10	0	10	0	10	0	10	0
0301	Mt Pleasant 1										
	State House of Representatives	DISTRICT	110William S Cogswell Jr	90	0	90	0	90	0	90	0
	State House of Representatives	DISTRICT	110Russell Guerard	83	0	83	0	83	0	83	0
0302	Mt Pleasant 2										
	State House of Representatives	DISTRICT	110William S Cogswell Jr	26	0	26	0	26	0	26	0
	State House of Representatives	DISTRICT	110Russell Guerard	21	0	21	0	21	0	21	0
0303	Mt Pleasant 3										
	State House of Representatives	DISTRICT	110William S Cogswell Jr	15	0	15	0	15	0	15	0
	State House of Representatives	DISTRICT	110Russell Guerard	12	0	12	0	12	0	12	0
0304	Mt Pleasant 4										
	State House of Representatives	DISTRICT	110William S Cogswell Jr	42	0	42	0	42	0	42	0
	State House of Representatives	DISTRICT	110Russell Guerard	37	0	37	0	37	0	37	0
0305	Mt Pleasant 5										
	State House of Representatives	DISTRICT	110William S Cogswell Jr	56	0	56	0	56	0	56	0
	State House of Representatives	DISTRICT	110Russell Guerard	58	0	58	0	58	0	58	0
0306	Mt Pleasant 6										
	State House of Representatives	DISTRICT	110William S Cogswell Jr	21	0	21	0	21	0	21	0
	State House of Representatives	DISTRICT	110Russell Guerard	36	0	36	0	36	0	36	0
0313	Mt Pleasant 13										
	State House of Representatives	DISTRICT	110William S Cogswell Jr	20	0	20	0	20	0	20	0
	State House of Representatives	DISTRICT	110Russell Guerard	17	0	17	0	17	0	17	0
0314	Mt Pleasant 14										
	State House of Representatives	DISTRICT	110William S Cogswell Jr	17	0	17	0	17	0	17	0
	State House of Representatives	DISTRICT	110Russell Guerard	35	0	35	0	35	0	35	0
0315	Mt Pleasant 15										
	State House of Representatives	DISTRICT	110William S Cogswell Jr	90	0	90	0	90	0	90	0
	State House of Representatives	DISTRICT	110Russell Guerard	72	0	72	0	72	0	72	0

Charleston 2016 Statewide Runoff Audit Report

0316	Mt Pleasant 16								
	State House of Representatives	DISTRICT 110	William S Cogswell Jr	47	0	47	0	47	0
	State House of Representatives	DISTRICT 110	Russell Guerard	48	0	48	0	48	0
0317	Mt Pleasant 17								
	State House of Representatives	DISTRICT 110	William S Cogswell Jr	40	0	40	0	40	0
	State House of Representatives	DISTRICT 110	Russell Guerard	34	0	34	0	34	0
0318	Mt Pleasant 18								
	State House of Representatives	DISTRICT 110	William S Cogswell Jr	47	0	47	0	47	0
	State House of Representatives	DISTRICT 110	Russell Guerard	65	0	65	0	65	0
0320	Mt Pleasant 20								
	State Senate	DISTRICT 34	Reese Boyd	25	0	25	0	25	0
	State Senate	DISTRICT 34	Stephen Golphinch	20	0	20	0	20	0
0321	Mt Pleasant 21								
	State Senate	DISTRICT 34	Reese Boyd	21	0	21	0	21	0
	State Senate	DISTRICT 34	Stephen Golphinch	33	0	33	0	33	0
0322	Mt Pleasant 22								
	State Senate	DISTRICT 34	Reese Boyd	6	0	6	0	6	0
	State Senate	DISTRICT 34	Stephen Golphinch	4	0	4	0	4	0
0323	Mt Pleasant 23								
	State Senate	DISTRICT 34	Reese Boyd	11	0	11	0	11	0
	State Senate	DISTRICT 34	Stephen Golphinch	6	0	6	0	6	0
0327	Mt Pleasant 27								
	State House of Representatives	DISTRICT 110	William S Cogswell Jr	35	0	35	0	35	0
	State House of Representatives	DISTRICT 110	Russell Guerard	56	0	56	0	56	0
0336	Mt Pleasant 36								
	State Senate	DISTRICT 34	Reese Boyd	2	0	2	0	2	0
	State Senate	DISTRICT 34	Stephen Golphinch	3	0	3	0	3	0
0337	Mt Pleasant 37								
	State Senate	DISTRICT 34	Reese Boyd	20	0	20	0	20	0
	State Senate	DISTRICT 34	Stephen Golphinch	29	0	29	0	29	0
0338	Mt Pleasant 38								
	State Senate	DISTRICT 34	Reese Boyd	12	0	12	0	12	0
	State Senate	DISTRICT 34	Stephen Golphinch	22	0	22	0	22	0
0405	James Island 6								
	State Senate	DISTRICT 41	Roy Maybank	2	0	2	0	2	0
	State Senate	DISTRICT 41	Sandy Senn	11	0	11	0	11	0
0407	James Island 8A								
	State Senate	DISTRICT 41	Roy Maybank	54	0	54	0	54	0
	State Senate	DISTRICT 41	Sandy Senn	31	0	31	0	31	0

Charleston 2016 Statewide Runoff Audit Report

0408	James Island 8B							
State	Senate DISTRICT 41	Roy Maybank	13	0	13	0	13	0
State	Senate DISTRICT 41	Sandy Senn	30	0	30	0	30	0
0409	James Island 9							
State	Senate DISTRICT 41	Roy Maybank	23	0	23	0	23	0
State	Senate DISTRICT 41	Sandy Senn	34	0	34	0	34	0
0410	James Island 10							
State	Senate DISTRICT 41	Roy Maybank	20	0	20	0	20	0
State	Senate DISTRICT 41	Sandy Senn	31	0	31	0	31	0
0411	James Island 11							
State	Senate DISTRICT 41	Roy Maybank	55	0	55	0	55	0
State	Senate DISTRICT 41	Sandy Senn	65	0	65	0	65	0
0412	James Island 12							
State	Senate DISTRICT 41	Roy Maybank	56	0	56	0	56	0
State	Senate DISTRICT 41	Sandy Senn	74	0	74	0	74	0
0413	James Island 13							
State	Senate DISTRICT 41	Roy Maybank	72	0	72	0	72	0
State	Senate DISTRICT 41	Sandy Senn	52	0	52	0	52	0
0414	James Island 14							
State	Senate DISTRICT 41	Roy Maybank	39	0	39	0	39	0
State	Senate DISTRICT 41	Sandy Senn	26	0	26	0	26	0
0415	James Island 15							
State	Senate DISTRICT 41	Roy Maybank	30	0	30	0	30	0
State	Senate DISTRICT 41	Sandy Senn	53	0	53	0	53	0
0417	James Island 17							
State	Senate DISTRICT 41	Roy Maybank	65	0	65	0	65	0
State	Senate DISTRICT 41	Sandy Senn	30	0	30	0	30	0
0419	James Island 19							
State	Senate DISTRICT 41	Roy Maybank	37	0	37	0	37	0
State	Senate DISTRICT 41	Sandy Senn	14	0	14	0	14	0
0420	James Island 20							
State	Senate DISTRICT 41	Roy Maybank	17	0	17	0	17	0
State	Senate DISTRICT 41	Sandy Senn	28	0	28	0	28	0
0422	James Island 22							
State	Senate DISTRICT 41	Roy Maybank	45	0	45	0	45	0
State	Senate DISTRICT 41	Sandy Senn	42	0	42	0	42	0
0442	Johns Island 2							
State	Senate DISTRICT 41	Roy Maybank	31	0	31	0	31	0
State	Senate DISTRICT 41	Sandy Senn	56	0	56	0	56	0

Charleston 2016 Statewide Runoff Audit Report

0443	Johns Island 3A									
State	Senate	DI STRI CT	41	Roy Maybank	37	0	37	0	37	0
State	Senate	DI STRI CT	41	Sandy Senn	50	0	50	0	50	0
0501	St Andrews 1									
State	Senate	DI STRI CT	41	Roy Maybank	11	0	11	0	11	0
State	Senate	DI STRI CT	41	Sandy Senn	6	0	6	0	6	0
0504	St Andrews 4									
State	Senate	DI STRI CT	41	Roy Maybank	123	0	123	0	123	0
State	Senate	DI STRI CT	41	Sandy Senn	59	0	59	0	59	0
0505	St Andrews 5									
State	Senate	DI STRI CT	41	Roy Maybank	87	0	87	0	87	0
State	Senate	DI STRI CT	41	Sandy Senn	58	0	58	0	58	0
0506	St Andrews 6									
State	Senate	DI STRI CT	41	Roy Maybank	63	0	63	0	63	0
State	Senate	DI STRI CT	41	Sandy Senn	93	0	93	0	93	0
0507	St Andrews 7									
State	Senate	DI STRI CT	41	Roy Maybank	41	0	41	0	41	0
State	Senate	DI STRI CT	41	Sandy Senn	49	0	49	0	49	0
0510	St Andrews 10									
State	Senate	DI STRI CT	41	Roy Maybank	15	0	15	0	15	0
State	Senate	DI STRI CT	41	Sandy Senn	29	0	29	0	29	0
0511	St Andrews 11									
State	Senate	DI STRI CT	41	Roy Maybank	33	0	33	0	33	0
State	Senate	DI STRI CT	41	Sandy Senn	48	0	48	0	48	0
0512	St Andrews 12									
State	Senate	DI STRI CT	41	Roy Maybank	54	0	54	0	54	0
State	Senate	DI STRI CT	41	Sandy Senn	53	0	53	0	53	0
0513	St Andrews 13									
State	Senate	DI STRI CT	41	Roy Maybank	38	0	38	0	38	0
State	Senate	DI STRI CT	41	Sandy Senn	61	0	61	0	61	0
0514	St Andrews 14									
State	Senate	DI STRI CT	41	Roy Maybank	41	0	41	0	41	0
State	Senate	DI STRI CT	41	Sandy Senn	38	0	38	0	38	0
0516	St Andrews 16									
State	Senate	DI STRI CT	41	Roy Maybank	11	0	11	0	11	0
State	Senate	DI STRI CT	41	Sandy Senn	41	0	41	0	41	0
0517	St Andrews 17									
State	Senate	DI STRI CT	41	Roy Maybank	34	0	34	0	34	0
State	Senate	DI STRI CT	41	Sandy Senn	60	0	60	0	60	0

Charleston 2016 Statewide Runoff Audit Report

0518	St Andrews 18									
State	Senate	DI	STRICT	41	Roy Maybank	0	0	0	0	* No Audit Data expected or found
State	Senate	DI	STRICT	41	Sandy Senn	3	0	3	0	3
0520	St Andrews 20									
State	Senate	DI	STRICT	41	Roy Maybank	31	0	31	0	31
State	Senate	DI	STRICT	41	Sandy Senn	48	0	48	0	48
0521	St Andrews 21									
State	Senate	DI	STRICT	41	Roy Maybank	21	0	21	0	21
State	Senate	DI	STRICT	41	Sandy Senn	11	0	11	0	11
0522	St Andrews 22									
State	Senate	DI	STRICT	41	Roy Maybank	8	0	8	0	8
State	Senate	DI	STRICT	41	Sandy Senn	31	0	31	0	31
0523	St Andrews 23									
State	Senate	DI	STRICT	41	Roy Maybank	3	0	3	0	3
State	Senate	DI	STRICT	41	Sandy Senn	11	0	11	0	11
0524	St Andrews 24									
State	Senate	DI	STRICT	41	Roy Maybank	17	0	17	0	17
State	Senate	DI	STRICT	41	Sandy Senn	25	0	25	0	25
0526	St Andrews 26									
State	Senate	DI	STRICT	41	Roy Maybank	25	0	25	0	25
State	Senate	DI	STRICT	41	Sandy Senn	32	0	32	0	32
0527	St Andrews 27									
State	Senate	DI	STRICT	41	Roy Maybank	41	0	41	0	41
State	Senate	DI	STRICT	41	Sandy Senn	40	0	40	0	40
0528	St Andrews 28									
State	Senate	DI	STRICT	41	Roy Maybank	18	0	18	0	18
State	Senate	DI	STRICT	41	Sandy Senn	19	0	19	0	19
0529	St Andrews 29									
State	Senate	DI	STRICT	41	Roy Maybank	20	0	20	0	20
State	Senate	DI	STRICT	41	Sandy Senn	29	0	29	0	29
0530	St Andrews 30									
State	Senate	DI	STRICT	41	Roy Maybank	14	0	14	0	14
State	Senate	DI	STRICT	41	Sandy Senn	25	0	25	0	25
0531	St Andrews 31									
State	Senate	DI	STRICT	41	Roy Maybank	6	0	6	0	6
State	Senate	DI	STRICT	41	Sandy Senn	11	0	11	0	11
0532	St Andrews 32									
State	Senate	DI	STRICT	41	Roy Maybank	19	0	19	0	19
State	Senate	DI	STRICT	41	Sandy Senn	18	0	18	0	18

Charleston 2016 Statewide Runoff Audit Report

0533	St Andrews 33							
State Senate	DISTRICT 41	Roy Maybank	21	0	21	0	21	0
State Senate	DISTRICT 41	Sandy Senn	25	0	25	0	25	0
0534	St Andrews 34							
State Senate	DISTRICT 41	Roy Maybank	48	0	48	0	48	0
State Senate	DISTRICT 41	Sandy Senn	60	0	60	0	60	0
0535	St Andrews 35							
State Senate	DISTRICT 41	Roy Maybank	35	0	35	0	35	0
State Senate	DISTRICT 41	Sandy Senn	53	0	53	0	53	0
0536	St Andrews 36							
State Senate	DISTRICT 41	Roy Maybank	21	0	21	0	21	0
State Senate	DISTRICT 41	Sandy Senn	32	0	32	0	32	0
0537	St Andrews 37							
State Senate	DISTRICT 41	Roy Maybank	38	0	38	0	38	0
State Senate	DISTRICT 41	Sandy Senn	65	0	65	0	65	0
0603	N Charleston 3							
State Senate	DISTRICT 41	Roy Maybank	18	0	18	0	18	0
State Senate	DISTRICT 41	Sandy Senn	60	0	60	0	60	0
0620	N Charleston 20							
State Senate	DISTRICT 41	Roy Maybank	7	0	7	0	7	0
State Senate	DISTRICT 41	Sandy Senn	29	0	29	0	29	0
0623	N Charleston 23							
State Senate	DISTRICT 41	Roy Maybank	7	0	7	0	7	0
State Senate	DISTRICT 41	Sandy Senn	13	0	13	0	13	0
0750	Absentee							
State Senate	DISTRICT 34	Reese Boyd	24	24	0	0	* All votes cast for this candidate * in this precinct are optical. * No Audit Data for optical.	
State Senate	DISTRICT 34	Stephen Golderfinch	33	30	3	0	3	0
State Senate	DISTRICT 41	Roy Maybank	172	122	50	0	50	0
State Senate	DISTRICT 41	Sandy Senn	222	166	56	0	56	0
State House of Representatives	DISTRICT 110	William S Cogswell Jr	81	51	30	0	30	0
State House of Representatives	DISTRICT 110	Russell Guerard	56	46	10	0	10	0
0800	Emergency							
State Senate	DISTRICT 34	Reese Boyd	0	0	0	0	* No Audit Data expected or found	
State Senate	DISTRICT 34	Stephen Golderfinch	0	0	0	0	* No Audit Data expected or found	
State Senate	DISTRICT 41	Roy Maybank	0	0	0	0	* No Audit Data expected or found	
State Senate	DISTRICT 41	Sandy Senn	0	0	0	0	* No Audit Data expected or found	
State House of Representatives	DISTRICT 110	William S Cogswell Jr	0	0	0	0	* No Audit Data expected or found	
State House of Representatives	DISTRICT 110	Russell Guerard	0	0	0	0	* No Audit Data expected or found	

Charleston 2016 Statewide Runoff Audit Report

0850	Fail safe						
State Senate DISTRICT 34	Reese Boyd	0	0	0	0	* No Audit Data expected or found	
State Senate DISTRICT 34	Stephen Goldfinch	0	0	0	0	* No Audit Data expected or found	
State Senate DISTRICT 41	Roy Maybank	1	0	1	0	1	0
State Senate DISTRICT 41	Sandy Senn	0	0	0	0	* No Audit Data expected or found	
State House of Representatives DISTRICT 110	William S Cogswell Jr	0	0	0	0	* No Audit Data expected or found	
State House of Representatives DISTRICT 110	Russell Guerard	0	0	0	0	* No Audit Data expected or found	
0900	Provisional						
State Senate DISTRICT 34	Reese Boyd	2	2	0	0	* All votes cast for this candidate * in this precinct are optical. * No Audit Data for optical.	
State Senate DISTRICT 34	Stephen Goldfinch	0	0	0	0	* No Audit Data expected or found	
State Senate DISTRICT 41	Roy Maybank	5	5	0	0	* All votes cast for this candidate * in this precinct are optical. * No Audit Data for optical.	
State Senate DISTRICT 41	Sandy Senn	15	15	0	0	* All votes cast for this candidate * in this precinct are optical. * No Audit Data for optical.	
State House of Representatives DISTRICT 110	William S Cogswell Jr	4	4	0	0	* All votes cast for this candidate * in this precinct are optical. * No Audit Data for optical.	
State House of Representatives DISTRICT 110	Russell Guerard	2	2	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 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.

Charleston 2016 Statewide Runoff Audit Report

The Flash totals are the totals that are read from the flash cards in the rare event that the ballots cannot be copied from the machine to the PEB or from the PEB to the tabulating machine.

The values on the Audit side come from the iVotronic audit data that is read from the flash cards as part of the audit process. That process combines the individual machine data into a master audit file, the EL155 Vote image log.

The EL155 contains a record of all the votes cast on a ballot. The vote images indicate the machine counting the number of times a candidate name for a contest appears in a precinct we get the number of votes cast in that precinct for that candidates. That number should always match the number of votes cast for that candidate in that contest in the iVo column on the EL30A side of the report.

Optical ballots do not have electronically readable audit files. So if the audit data iVotronic total votes does not match the EL30A iVo value one of two things will occur. The first is if the iVotronic tabulated is zero and the Total tabulated votes match the tabulated Optical votes the following comment is made in the Audit side of the report; All votes cast for this candidate in this precinct are optical No Audit Data for optical, or secondly, if the iVotronic total is not zero, a notation indicating which data Audit data In the event a candidate or the combined Write-in candidates did not receive any votes in a precinct the EL30A will report a zero vote count. If there are no votes for this candidate in a precinct in the audit data, the following comment will be placed into the audit report by the auditing software; No Audit Data expected or found.

Finally the audit software will search the audit data for any votes that were not found on the EL30A report. If it finds some, it will report those vote totals by contest, candidate name and precinct. if it does not find any unmatched audit data it will report; There was no unmatched audit data

 Charleston EL30A45A Comparison Report
 Election: 2016 Statewide Runoff
 Audit Date: 11:23:10, Thu Jun 30, 2016

Office	Candidate	Party	EL30A				EL45A				Delta
			Tot	Opt	iVo	Flash	Tot	Opt	iVo	Flash	
State Senate DISTRICT 34	Reese Boyd		204	26	139	0	204	26	139	0	0
State Senate DISTRICT 34	Stephen Goldfinch		218	30	148	0	218	30	148	0	0
State House of Representatives DISTRICT 110	William S Cogswell Jr		1067	55	1012	0	1067	55	1012	0	0
State House of Representatives DISTRICT 110	Russell Guerard		953	48	905	0	953	48	905	0	0
State Senate DISTRICT 41	Roy Maybank		1743	127	1616	0	1743	127	1616	0	0
State Senate DISTRICT 41	Sandy Senn		2099	181	1918	0	2099	181	1918	0	0

How to read this report.

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

Charleston 2016 Statewide Runoff Audit Report

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.

Charleston PEB Use Report
Election: 2016 Statewide Runoff
Audit Date: 11:14:48, Thu Jun 30, 2016

Precinct	PEBs Used	Comments
Awendaw	157164	
Christ Church	157164	
McClintockville	157229	
Charleston 1	157180	
Charleston 2	157180	
Charleston 3	157299	
Charleston 4	156618	
Charleston 5	157299	
Charleston 6	156259	
Charleston 7	156812	
Charleston 9	156524	
Charleston 10	157131	
Charleston 11	157131	
Mt Pleasant 1	157573	
Mt Pleasant 2	143987	
Mt Pleasant 3	156634	
Mt Pleasant 4	143987	
Mt Pleasant 5	143987	

Charleston 2016 Statewide Runoff Audit Report

Mt Pleasant 6	156280
Mt Pleasant 13	156768
Mt Pleasant 14	156559
Mt Pleasant 15	156634
Mt Pleasant 16	156634
Mt Pleasant 17	136493
Mt Pleasant 18	156251
Mt Pleasant 20	152614
Mt Pleasant 21	152614
Mt Pleasant 22	156829
Mt Pleasant 23	156829
Mt Pleasant 27	157081
Mt Pleasant 36	157054
Mt Pleasant 37	157614
Mt Pleasant 38	157158
James Island 6	153045
James Island 8A	243023
James Island 8B	243023
James Island 9	243023
James Island 10	153045
James Island 11	156846
James Island 12	156846
James Island 13	156846
James Island 14	156196
James Island 15	156650
James Island 17	157321
James Island 19	157321
James Island 20	156496
James Island 22	156496
Johns Island 2	156527
Johns Island 3A	155873
St Andrews 1	157059
St Andrews 4	157059
St Andrews 5	157059
St Andrews 6	156802
St Andrews 7	156756
St Andrews 10	157235
St Andrews 11	195514
St Andrews 12	195514
St Andrews 13	195514
St Andrews 14	157235
St Andrews 16	156756
St Andrews 17	157431
St Andrews 18	156804
St Andrews 20	156550
St Andrews 21	195514
St Andrews 22	156550
St Andrews 23	156550
St Andrews 24	156550
St Andrews 26	156838
St Andrews 27	156615
St Andrews 28	165921

Charleston 2016 Statewide Runoff Audit Report

St Andrews 29	146207
St Andrews 30	156550
St Andrews 31	146207
St Andrews 32	229811
St Andrews 33	146207
St Andrews 34	156803
St Andrews 35	156803
St Andrews 36	156803
St Andrews 37	165921
N Charleston 3	156630
N Charleston 20	156830
N Charleston 23	156548
Absentee	153051
Fail safe	153051

84 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.

Charleston PEB Exceptions Report
 Election: 2016 Statewide Runoff
 Election date: 06/28/2016
 Audit Date: 11:14:48, Thu Jun 30, 2016

iVo #	Op PEB	Open Time	Cl PEB	Close Time	Exception Type	Precinct - Ballots Cast
5123794	156846	06/28/2016 07:15:42	156846	06/28/2016 19:01:52	Open Time	James Island 11 - 29 James Island 12 - 30 James Island 13 - 27
5124536	153051	06/20/2016 08:56:48	153051	06/28/2016 19:01:17	>>Open Date<<	Absentee - 51
5124536	153051	06/20/2016 08:56:48	153051	06/28/2016 19:01:17	Open Time	Absentee - 51
5127662	156548	06/28/2016 07:03:35	156548	06/28/2016 19:02:19	Open Time	N Charleston 23 - 8

Charleston 2016 Statewide Runoff Audit Report

5127693	153051	06/20/2016	08:55:19	153051	06/28/2016	19:03:54	>>Open Date<<	Absentee - 98
								Fail safe - 1
5127693	153051	06/20/2016	08:55:19	153051	06/28/2016	19:03:54	Open Time	Absentee - 98
								Fail safe - 1
5131275	157229	06/28/2016	07:03:50	157229	06/28/2016	19:08:11	Open Time	McClellanville - 16
5132210	157229	06/28/2016	07:00:21	157229	06/28/2016	19:01:48	Open Time	McClellanville - 20
5133113	156524	06/28/2016	06:25:29	156524	06/28/2016	22:19:26	Close Late	Charleston 9 - 2

*** WARNING: iVotronic Machine 5133203 was not closed

5137597	156548	06/28/2016	07:06:59	156548	06/28/2016	19:06:13	Open Time	N Charleston 23 - 5
5140277	157229	06/28/2016	07:03:46	157229	06/28/2016	19:05:28	Open Time	McClellanville - 34
5140316	156548	06/28/2016	07:06:07	156548	06/28/2016	19:04:40	Open Time	N Charleston 23 - 7

The following machines(s) have audit records but no ballots were cast on them: 5118608, 5123211, 5133203, 5136394, 5140443
 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.