

Abbeville 2018 Statewide Primary Runoff Audit Report

Abbeville Ballot Audit Report  
 Election: 2018 Statewide Primary Runoff  
 Audit Date: 14:54:00, Thu Jun 28, 2018

Prec Nber	Precinct Name	EL30A							Audit				Comments
		Total	DS850	M650	DS200	M100	iVo	Flash	iVo	Opt	Man	Delta	
0001	Abbeville No. 1	242	0	0	0	0	242	0	242	0	0	0	
0002	Abbeville No. 2	76	0	0	0	0	76	0	76	0	0	0	
0003	Abbeville No. 3	101	0	0	0	0	101	0	101	0	0	0	
0004	Abbeville No. 4	92	0	0	0	0	92	0	92	0	0	0	
0005	Antreville	164	0	0	0	0	164	0	164	0	0	0	
0006	Broadmouth	68	0	0	0	0	68	0	68	0	0	0	
0007	Calhoun Falls	120	0	0	0	0	120	0	120	0	0	0	
0008	Cold Springs	140	0	0	0	0	140	0	140	0	0	0	
0009	Donalds	48	0	0	0	0	48	0	48	0	0	0	
0010	Due West	171	0	0	0	0	171	0	171	0	0	0	
0011	Hall's Store	107	0	0	0	0	107	0	107	0	0	0	
0012	Keowee	128	0	0	0	0	128	0	128	0	0	0	
0013	Lowndesville	158	0	0	0	0	158	0	158	0	0	0	
0014	Lebanon	103	0	0	0	0	103	0	103	0	0	0	
0015	Smythville	103	0	0	0	0	103	0	103	0	0	0	
Precincts Total:		1821	0	0	0	0	1821	0	1821	0	0	0	
0750	Absentee	105	0	0	0	24	81	0	81	24	0	0	
0800	Emergency	25	0	0	0	25	0	0	0	25	0	0	
0850	Failsafe	0	0	0	0	0	0	0	0	0	0	0	
0900	Provisional	0	0	0	0	0	0	0	0	0	0	0	
0950	Failsafe Provisional	0	0	0	0	0	0	0	0	0	0	0	
Virtual Precincts Total:		130	0	0	0	49	81	0	81	49	0	0	
Grand Total:		1951	0	0	0	49	1902	0	1902	49	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: 5  
 The following precincts have no ballots cast in them: Failsafe, Provisional, Failsafe Provisional  
 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 |  
 +-----+

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1902 Delta from EL30A	1902 0 Delta from EL155	1902 0 0
	Cast By Voter	1901
	Cast By Poll Wkr	1
	Blank Cast by PW	0
	Cancelled Ballots	25
	Wrong Ballot	2
	Voter Left AB	0
	Voter Left BB	1
	Voter Request	3
	Printer Problem	0
	Terminal Problem	10
	Other Reason	9

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

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

How to read this report.

This is the ballot level report. It compares the number of ballots cast in the tabulation report, the EL30A with the number of ballots cast in the audit data.

The values read from the EL30A report are reported in four categories; Total, Optical (Opt), iVotronic (iVo) and Flash. None of these values on each line are calculated but parsed from the actual report. The total lines are the calculated sums of the individual precinct line values.

The Opt totals are the total number of ballots cast on paper ballots that were scanned into the optical scanner and transferred to the tabulation computer via memory stick or ZipDisk (depending on the type of device, M100 or M650 used to scan the ballots.) Optical totals should exist only in some but not all of the Virtual Precincts at the bottom of the table.

The iVo totals are the results gathered from the PEBs (Personal Electronic Ballot) which are used to open and close an iVotronic voting machine and, after the polls have closed, gather the ballots cast for transmission to the tabulation system.

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

The values on the Audit side come from the iVotronic audit data that is read from the flash cards as 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

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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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 Abbeville Vote Level Audit Report  
 Election: 2018 Statewide Primary Runoff  
 Audit Date: 14:54:19, Thu Jun 28, 2018

Precinct Number / Name Office	Candidate	Party	EL30A					Audit		Comments		
			Total	DS850	M650	DS200	M100	iVo	Flash		iVo	Delta
0001 Abbeville No. 1	#####											
REP - Governor	Henry McMaster		121	0	0	0	0	121	0	121	0	
REP - Governor	John Warren		121	0	0	0	0	121	0	121	0	
REP - Attorney General	Todd Atwater		77	0	0	0	0	77	0	77	0	
REP - Attorney General	Alan Wilson		161	0	0	0	0	161	0	161	0	

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0002	Abbeville No. 2	Henry McMaster	35	0	0	0	0	35	0	35	0
REP - Governor		John Warren	40	0	0	0	0	40	0	40	0
REP - Governor		Todd Atwater	17	0	0	0	0	17	0	17	0
REP - Attorney General		Alan Wilson	58	0	0	0	0	58	0	58	0
REP - Attorney General											
0003	Abbeville No. 3	Henry McMaster	58	0	0	0	0	58	0	58	0
REP - Governor		John Warren	43	0	0	0	0	43	0	43	0
REP - Governor		Todd Atwater	30	0	0	0	0	30	0	30	0
REP - Attorney General		Alan Wilson	67	0	0	0	0	67	0	67	0
REP - Attorney General											
0004	Abbeville No. 4	Henry McMaster	46	0	0	0	0	46	0	46	0
REP - Governor		John Warren	44	0	0	0	0	44	0	44	0
REP - Governor		Todd Atwater	27	0	0	0	0	27	0	27	0
REP - Attorney General		Alan Wilson	62	0	0	0	0	62	0	62	0
REP - Attorney General											
0005	Antreville	Henry McMaster	93	0	0	0	0	93	0	93	0
REP - Governor		John Warren	71	0	0	0	0	71	0	71	0
REP - Governor		Todd Atwater	48	0	0	0	0	48	0	48	0
REP - Attorney General		Alan Wilson	112	0	0	0	0	112	0	112	0
REP - Attorney General											
0006	Broadmouth	Henry McMaster	35	0	0	0	0	35	0	35	0
REP - Governor		John Warren	32	0	0	0	0	32	0	32	0
REP - Governor		Todd Atwater	27	0	0	0	0	27	0	27	0
REP - Attorney General		Alan Wilson	39	0	0	0	0	39	0	39	0
REP - Attorney General											
0007	Calhoun Falls	Henry McMaster	73	0	0	0	0	73	0	73	0
REP - Governor		John Warren	47	0	0	0	0	47	0	47	0
REP - Governor		Todd Atwater	38	0	0	0	0	38	0	38	0
REP - Attorney General		Alan Wilson	79	0	0	0	0	79	0	79	0
REP - Attorney General											
0008	Cold Springs	Henry McMaster	76	0	0	0	0	76	0	76	0
REP - Governor		John Warren	64	0	0	0	0	64	0	64	0
REP - Governor		Todd Atwater	38	0	0	0	0	38	0	38	0
REP - Attorney General		Alan Wilson	98	0	0	0	0	98	0	98	0
REP - Attorney General											
0009	Donalds	Henry McMaster	24	0	0	0	0	24	0	24	0
REP - Governor		John Warren	24	0	0	0	0	24	0	24	0
REP - Governor		Todd Atwater	14	0	0	0	0	14	0	14	0
REP - Attorney General		Alan Wilson	33	0	0	0	0	33	0	33	0
REP - Attorney General											

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0010	Due West	Henry McMaster	78	0	0	0	0	78	0	78	0
REP - Governor		John Warren	93	0	0	0	0	93	0	93	0
REP - Governor		Todd Atwater	51	0	0	0	0	51	0	51	0
REP - Attorney General		Alan Wilson	116	0	0	0	0	116	0	116	0
REP - Attorney General											
0011	Hall's Store	Henry McMaster	52	0	0	0	0	52	0	52	0
REP - Governor		John Warren	55	0	0	0	0	55	0	55	0
REP - Governor		Todd Atwater	32	0	0	0	0	32	0	32	0
REP - Attorney General		Alan Wilson	74	0	0	0	0	74	0	74	0
REP - Attorney General											
0012	Keowee	Henry McMaster	78	0	0	0	0	78	0	78	0
REP - Governor		John Warren	50	0	0	0	0	50	0	50	0
REP - Governor		Todd Atwater	48	0	0	0	0	48	0	48	0
REP - Attorney General		Alan Wilson	76	0	0	0	0	76	0	76	0
REP - Attorney General											
0013	Lowndesville	Henry McMaster	97	0	0	0	0	97	0	97	0
REP - Governor		John Warren	60	0	0	0	0	60	0	60	0
REP - Governor		Todd Atwater	51	0	0	0	0	51	0	51	0
REP - Attorney General		Alan Wilson	102	0	0	0	0	102	0	102	0
REP - Attorney General											
0014	Lebanon	Henry McMaster	62	0	0	0	0	62	0	62	0
REP - Governor		John Warren	40	0	0	0	0	40	0	40	0
REP - Governor		Todd Atwater	32	0	0	0	0	32	0	32	0
REP - Attorney General		Alan Wilson	65	0	0	0	0	65	0	65	0
REP - Attorney General											
0015	Smythville	Henry McMaster	56	0	0	0	0	56	0	56	0
REP - Governor		John Warren	47	0	0	0	0	47	0	47	0
REP - Governor		Todd Atwater	27	0	0	0	0	27	0	27	0
REP - Attorney General		Alan Wilson	75	0	0	0	0	75	0	75	0
REP - Attorney General											
0750	Absentee	Henry McMaster	50	0	0	0	12	38	0	38	0
REP - Governor		John Warren	55	0	0	0	12	43	0	43	0
REP - Governor		Todd Atwater	29	0	0	0	12	17	0	17	0
REP - Attorney General		Alan Wilson	75	0	0	0	12	63	0	63	0
REP - Attorney General											
0800	Emergency	Henry McMaster	17	0	0	0	17	0	0	0	* Optical Ballots - No Audit data expected.
REP - Governor		John Warren	8	0	0	0	8	0	0	0	* Optical Ballots - No Audit data expected.
REP - Governor		Todd Atwater	9	0	0	0	9	0	0	0	* Optical Ballots - No Audit data expected.
REP - Attorney General											

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data expected.  
 REP - Attorney General  
 data expected.

Al an Wi l son	16	0	0	0	16	0	0 * Optical Ballots - No Audit
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0850 Fai l safe

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REP - Governor  
 expected.

Henry McMaster	0	0	0	0	0	0	0 * No Votes Cast - No Audit Data
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REP - Governor  
 expected.

John Warren	0	0	0	0	0	0	0 * No Votes Cast - No Audit Data
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REP - Attorney General  
 expected.

Todd Atwater	0	0	0	0	0	0	0 * No Votes Cast - No Audit Data
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REP - Attorney General  
 expected.

Al an Wi l son	0	0	0	0	0	0	0 * No Votes Cast - No Audit Data
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0900 Provi si onal

#####

REP - Governor  
 expected.

Henry McMaster	0	0	0	0	0	0	0 * No Votes Cast - No Audit Data
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REP - Governor  
 expected.

John Warren	0	0	0	0	0	0	0 * No Votes Cast - No Audit Data
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REP - Attorney General  
 expected.

Todd Atwater	0	0	0	0	0	0	0 * No Votes Cast - No Audit Data
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REP - Attorney General  
 expected.

Al an Wi l son	0	0	0	0	0	0	0 * No Votes Cast - No Audit Data
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0950 Fai l safe Provi si onal

#####

REP - Governor  
 expected.

Henry McMaster	0	0	0	0	0	0	0 * No Votes Cast - No Audit Data
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REP - Governor  
 expected.

John Warren	0	0	0	0	0	0	0 * No Votes Cast - No Audit Data
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REP - Attorney General  
 expected.

Todd Atwater	0	0	0	0	0	0	0 * No Votes Cast - No Audit Data
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REP - Attorney General  
 expected.

Al an Wi l son	0	0	0	0	0	0	0 * No Votes Cast - No Audit Data
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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

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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 a master audit file, the EL155 Vote image log.

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

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

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

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 Abbeville EL30A45A Comparison Report  
 Election: 2018 Statewide Primary Runoff  
 Audit Date: 14:54:28, Thu Jun 28, 2018

EL30A				EL45A											
Office	Candidate			Party	Tot	DS850	M650	DS200	M100	iVo	Flash	Tot	DS850	M650	DS200
M100	iVo	Flash	Delta												
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				Abbeville 2018 Statewide Primary Runoff Audit Report												
Governor				Henry McMaster	1051	0	0	0	29	1022	0	1051	0	0	0	
29	1022	0	0													
Governor				John Warren	894	0	0	0	20	874	0	894	0	0	0	
20	874	0	0													
Attorney General				Todd Atwater	595	0	0	0	21	574	0	595	0	0	0	
21	574	0	0													
Attorney General				Alan Wilson	1308	0	0	0	28	1280	0	1308	0	0	0	
28	1280	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 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.

Abbeville PEB Use Report  
 Election: 2018 Statewide Primary Runoff  
 Audit Date: 14:54:00, Thu Jun 28, 2018

Precinct                                  PEBs Used                                  Comments



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Abbeville No. 1	139784
Abbeville No. 2	150028
Abbeville No. 3	138781
Abbeville No. 4	151531
Antreville	148644
Broadmouth	138532
Calhoun Falls	138504
Cold Springs	229872
Donalds	151842
Due West	148705
Hall's Store	150210
Keowee	136865
Lowndesville	138662
Lebanon	138311
Smithville	151660
Absentee	139574

16 precincts processed

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

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Abbeville PEB Exceptions Report  
 Election: 2018 Statewide Primary Runoff  
 Election date: 2018-06-26  
 Audit Date: 14:54:00, Thu Jun 28, 2018

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5103068	139574	2018-06-19	14:04:02	139574	2018-06-26	19:19:45	>>Open Date<<	Absentee - 20
5103068	139574	2018-06-19	14:04:02	139574	2018-06-26	19:19:45	Open Time	Absentee - 20
5126480	151842	2018-06-26	11:19:44	151842	2018-06-26	19:11:20	Open Time	Donalds - 5
5128888	139574	2018-06-19	14:38:38	139574	2018-06-26	19:21:21	>>Open Date<<	Absentee - 61
5128888	139574	2018-06-19	14:38:38	139574	2018-06-26	19:21:21	Open Time	Absentee - 61
5138543	151842	2018-06-26	11:14:08	151842	2018-06-26	19:08:37	Open Time	Donalds - 43

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 2018-06-26. So it is normal for these machines to appear on this report with Open Date and Open Time exceptions.