



Electronic Student Record Layout

State Education Agencies

September 2018–August 2019

This document is designed to assist with the interpretation of electronic student record data reports from the ACT® test. Data is broken down by record position, field length, and field name. Descriptions of field content are also provided.

If you have questions about this information, please contact ACT Customer Care.

Phone: 319.337.1365

Email: HS.Reporting@act.org

Important Information

Multiple Records

Records for an individual student who tested more than once may be reported with the same test date, but with different test locations (e.g., State). National, International, and School are left blank. To differentiate records accurately, always use test location (position 249) in addition to the test date (month and year – positions 233-236).

NEW! Indicates a change in **September 2018**.

Dashes in the Record

Dashes (-) included in the record mean information was not provided or could not be calculated.

CD-ROM Characteristics

- **Disc type, density, and maximum number of records per disc:** 700 MB; N = 600,000
- **File type:** ASCII line sequential file with a carriage return and line feed at the end of each record.
- **Record length:** 1050 characters (there will be blank positions at the end of the record)
- **Encryption:** WinZip password protected.
- **Alphabetical data:** All in uppercase only.

New & Updated Content

The following information outlines new and updated content within the record layout. The table below includes the position(s), field name, and a description.

	Position	Field Name	Description
NEW!	179-180	Contract Type	ST = Test delivered as result of contract for ACT State Testing DT = Test delivered as result of contract for ACT District Testing Blank = non-contract
NEW!	408	SPS Item 8	This field is now blank.
NEW!	821	Progress Toward Career Readiness Indicator (PTCRI)	Based on Composite score, provides an estimate of students' likely performance on ACT® WorkKeys® National Career Readiness Certificate® (NCRC®). 0 = Unlikely to obtain an NCRC 1 = Likely to obtain a Bronze level NCRC 2 = Likely to obtain a Silver level NCRC 3 = Likely to obtain a Gold level NCRC 4 = Likely to obtain a Platinum level NCRC (New Value) (-) = Unable to calculate (Student does not have a Composite score)

Data File Layout

This section provides a layout of the data file for each student. One row represents 50 characters, or bytes. Bytes are noted in increments of 5. For a detailed explanation of each field, see the **Field Description** section of this document.

DATA POSITION 1-50	REPORT YEAR IDENTIFIER	STUDENT IDENTIFYING INFORMATION			
		STUDENT NAME			
		LAST NAME			

DATA POSITION 51-100	STUDENT IDENTIFYING INFORMATION cont			
	BLANK			
	CONTRY CODE			

DATA POSITION 101-150	STUDENT IDENTIFYING INFORMATION cont			
	DATE OF BIRTH			
	PHONE NUMBER			

DATA POSITION 151-200	STUDENT IDENTIFYING INFORMATION cont			
	EXPANDED DATE OF BIRTH			
	WRITING RESULTS – TEST EVENTS BEFORE 09/2015			

DATA POSITION 201-250	HIGH SCHOOL INFORMATION			
	ACT TEST INFORMATION			
	PC/P			

DATA POSITION 251-300	POSTAL CODE/PROVINCE cont			
	ACT TEST INFORMATION cont			
	INTEREST INVENTORY – STANDARD SCORES (SS)			

DATA POSITION 301-350	II-SS cont			
	TECH (6)			
	SS			

DATA POSITION 351-400	BLANK												INTEREST INVENTORY (CUM %) – US RANKS						LOCAL ID NUMBER						BLANK					
													S&T	ARTS	SS	A&S	BO	TECH												
	351					55					60					65														400

DATA POSITION 401-450	STUDENT PROFILE SECTION (SPS)																																											
	ADMISSIONS/ENROLLMENT INFO								EDUCATIONAL PLANS, INTERESTS, & NEEDS										SPECIAL EDUCATIONAL NEEDS, INTERESTS, & GOALS																				COLL EXTRACUR PLANS					
	1		4	6	7				MAJOR 11	VOC CH 1 12		14	15	16		18	19	20	21	22	23		25	26	27													40	41	42	43	44		
	401			05				10			15		20				25					30					35				40					45					450			

DATA POSITION 451-500	STUDENT PROFILE SECTION (SPS) cont																																																					
	COLLEGE EXTRACURRICULAR PLANS cont										FINANCIAL AID					BACKGROUND INFO					FACTORS INFLUENCING COLLEGE CHOICE															HS INFORMATION																		
		46	47	48		50	51	52	53		55	56	57	58	59	60	61		63	64	65	66	67	68					69	70	71	72	73	74	75	76	77	78	79		81	82	83	84	85									
	451					55					60					65					70					1 ST	2 ND									80					85					90				95				

ATA POSITION 501-550	STUDENT PROFILE SECTION (SPS) cont																																																	
	HS INFORMATION cont														HS EXTRACURRICULAR ACTIVITIES														OUT OF CLASS ACCOMPLISHMENTS																					
	86	87	88	89	90	91			94	95	96	97	98	99	100	101	102	103		105	106	107		109	110	111	112		114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135
	501				05					10					15					20					25					30					35					40					45					550

DATA POSITION 551-600	BLANK																																																
	551				55					60					65					70					75					80					85					90					95				

DATA POSITION 601-650	STUDENT PROFILE SECTION (SPS) cont																				HIGH SCHOOL COURSE/GRADE INFORMATION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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DATA POSITION 651-700	HIGH SCHOOL COURSE/GRADE INFORMATION																																					STATE-ASSIGNED STUDENT ID NUMBER (10-CHARACTERS)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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DATA POSITION 701-750	BLANK															BLANK																																	
	701				05					10					15					20					25					30					35					40					45				

DATA POSITION 751-800	BLANK															BLANK										RANKS TYPE	BLANK					WRITING RESULTS													
																																TEST EVENTS BEGINNING 09/2015													
	WR SUBJ SCORE (1-36)					US RANK (CUM %) WR SUBJ SC					DOMAIN SCORES																																		
											I&A		D&S		ORG																														
751				55					60					65					70					75				80				85				90					95				800

DATA POSITION 801-850	WRITING cont		WR SUBJ SCORE (2-12)	ADDITIONAL SCORES & INDICATORS							REPORTING CATEGORIES																			
	DOM SCORES cont			ELA SCORE	US RANK (CUM %) ELA	BLANK	STEM SCORE	US RANK (CUM %) STEM	BLANK	UCTI	PTCRI	ENGLISH																		
	ORG cont	LANGUAGE										PRODUCTION OF WRITING				KNOWLEDGE OF LANGUAGE				CONV OF STANDARD ENGLISH										
												PE	PP	% CORR	RRLB	PE	PP	% CORR	RRLB	PE	PP	% CORR	RRLB							
												801			05			10			15			20			25			30

DATA POSITION 851-900	REPORTING CATEGORIES cont																							
	ENG	MATHEMATICS																						
	CSE	PREPARING FOR HIGHER MATH				NUMBER & QUANTITY				ALGEBRA				FUNCTIONS				GEOMETRY						
	RRLB	PE	PP	% CORR	RRLB	PE	PP	% CORR	RRLB	PE	PP	% CORR	RRLB	PE	PP	% CORR	RRLB	PE	PP	% CORR	RRLB			
	851			55	60			65		70			75		80			85		90		95		900

DATA POSITION 901-950	REPORTING CATEGORIES cont																																											
	MATHEMATICS cont															BLANK						READING																						
	GEOM					STATISTICS & PROBABILITY					INTEGRATING ESSENTIAL SKILLS											MODELING					KEY IDEAS & DETAILS																	
	RRLB		PE		PP		% CORR		RRLB		PE		PP		% CORR							RRLB		PE		PP		% CORR		RRLB		PE		PP		% CORR		RRLB						
	901				05				10					15				20					25				30					35				40					45			

DATA POSITION 951-1000	REPORTING CATEGORIES cont																							
	READING cont										SCIENCE													
	KI&D	CRAFT & STRUCTURE				INTEGRATION OF KNOWLEDGE & IDEAS				INTERPRETATION OF DATA				SCIENTIFIC INVESTIGATION				EVAL OF MODELS, INF, & EXP RESULTS						
	RRLB	PE	PP	% CORR	RRLB	PE	PP	% CORR	RRLB	PE	PP	% CORR	RRLB	PE	PP	% CORR	RRLB	PE	PP	% CORR	RRLB			
	951			55	60			65	70			75		80			85	90			95		1000	

DATA POSITION 1001-1050	RC	US RANKS (CUMULATIVE %)																	STATE RANK (CUM %) – WRITING	BLANK															
	SCI	WRITING (EW & WR)				SCALE SUBSCORES						SCALE SCORES																							
	EVAL	TEST EVENTS BEFORE 09/2015				TEST EVENTS BEFORE 09/2016																													
	RRLB	EW		WR		UM	RH	EA	AG	GT	SS	AL	ENGLISH	MATHEMATICS	READING	SCIENCE	COMPOSITE																		
	1001			05			10			15			20			25			30				35				40				45				1050

State Codes (positions 142–145)

STATE	NUM	ALPHA
Alabama	01	AL
Alaska	02	AK
Arizona	03	AZ
Arkansas	04	AR
California	05	CA
Colorado	06	CO
Connecticut	07	CT
Delaware	08	DE
D.C.	09	DC
Florida	10	FL
Georgia	11	GA
Hawaii	12	HI
Idaho	13	ID
Illinois	14	IL
Indiana	15	IN
Iowa	16	IA
Kansas	17	KS
Kentucky	18	KY
Louisiana	19	LA
Maine	20	ME
Maryland	21	MD
Massachusetts	22	MA
Michigan	23	MI
Minnesota	24	MN
Mississippi	25	MS
Missouri	26	MO
Montana	27	MT
Nebraska	28	NE
Nevada	29	NV
New Hampshire	30	NH
New Jersey	31	NJ
New Mexico	32	NM
New York	33	NY
North Carolina	34	NC

STATE	NUM	ALPHA
North Dakota	35	ND
Ohio	36	OH
Oklahoma	37	OK
Oregon	38	OR
Pennsylvania	39	PA
Rhode Island	40	RI
South Carolina	41	SC
South Dakota	42	SD
Tennessee	43	TN
Texas	44	TX
Utah	45	UT
Vermont	46	VT
Virginia	47	VA
Washington	48	WA
West Virginia	49	WV
Wisconsin	50	WI
Wyoming	51	WY
Puerto Rico	52	PR
Canada	53	CN
All other	55	FN
Marshall Islands	57	MH
Northern Mariana	58	MP
Micronesia	60	FM
American Samoa	61	AS
Palau	62	PW
Guam	63	GU
Virgin Islands	66	VI
U.S. Military		
Europe	85	AE
Stateside	86	AA
Pacific	87	AP

Field Descriptions

This section provides descriptions for the fields laid out in the previous section of this document. The position and length columns indicate where the field can be found in the record and how many bytes the field covers. The field name and content columns describe the fields and their contents.

NOTE: An arrow (➡) on the left side of the page indicates a change/update to the data, also highlighted in yellow.

Position	Length	Field Name	Field Content
1-2	2	Reporting Year Identifier	18 = 2018-2019
3-162	160	Student Identifying Information	Fields may be blank if data is not available.
3-44	42	Student Name	
3-27	25	Last Name	Special characters are – ‘.
28-43	16	First Name	Special characters are – ‘.
44	1	Middle Initial	
45-84	40	BLANK	
85-86	2	Country Code	Two-character alpha abbreviation. Refer to the country code list at www.act.org for response values.
87	1	Gender (Numeric)	Numeric: 4 = Male; 6 = Female; – (dash) = Blank
88	1	Gender (Alpha)	Alpha: M = Male; F = Female; – (dash) = Blank
89-90	2	Grade Level	07 = 6 th or 7 th 10 = 10 th 13 = H.S. Graduate 08 = 8 th 11 = 11 th 14 = College Student 09 = 9 th 12 = 12 th 15 = Other
91-99	9	ACT ID	May not be available for all records. If available, position 91 will have a dash; blank if unavailable.
100	1	Phone Type	1 = Home; 2 = Cell; 3 = Other
101-106	6	Date of Birth	Reported as MMDDYY. Blank if invalid.
107-116	10	Phone Number	3-digit area code, 7-digit phone number.
117-141	25	City	Special characters are – ‘.
142-143	2	State (Numeric)	Lists a 2-digit numeric and 2-character alpha abbreviation.
144-145	2	State (Alpha)	Refer to the state codes list included in this document.
146-154	9	ZIP Code	ZIP (+ 4 if available)
155-162	8	Expanded Date of Birth	Reported as CCYYMMDD. Blank if a valid DOB was not provided.
163-178	16	Writing Results – test events before 09/2015	For test events before September 2015. Not applicable after August 2015. Dashes mean writing test could not be scored, student did not receive an English test score, or student did not take the writing test. See positions 791-805 for new writing scores.
163-164	2	Combined English/ Writing (EW) Score	Range is 01-36.
165-166	2	Writing Subscore (WR)	Range is 02-12.
167-170	4	BLANK	Formerly <i>National Norms for ACT Writing (EW & WR) (Cumulative %)</i> , moved to positions 1002-1007.
171-178	8	Comments on Essay	Two-digit codes for up to 4 comments if student took the writing test. Range for each comment is 01-99. Text associated with each comment code provided at www.act.org . Comment codes appear from left to right; if fewer than 4 comment codes assigned, unused trailing positions will be blank. If student did not take the writing test, all four codes will be dashes. Dashes for test events beginning in September 2015.
➡ 179-180	2	Contract Type	ST = Test delivered as result of contract for ACT State Testing DT = Test delivered as result of contract for ACT District Testing Blank = non-contract

Position	Length	Field Name	Field Content																												
181-191	13	BLANK																													
192-204	13	State-Assigned Student ID Number (13-characters)	If available, reports SASID if Test Location (position 249) = S. SASIDs with less than 13 characters will report with leading zeros. Records with a 10-character number will be left justified with trailing spaces.																												
205-226 22 High School Information																															
205-210	6	High School Code	High school code lists are available from ACT.																												
211-218	8	High School Grades	Numeric grades based on High School Course/Grade Information (positions 661-683). Provided on 4-point scale with implied decimal and one decimal place for each subject.																												
211-212	2	English																													
213-214	2	Mathematics																													
215-216	2	Social Studies																													
217-218	2	Natural Sciences																													
219	1	BLANK																													
220-222	3	High School Average	Numeric average based on High School Course/Grade Information (positions 661-683). Provided on 4-point scale with implied decimal and two decimal places. If blank, field is set to dashes.																												
223-226	4	Year of HS Graduation	Intended year of high school graduation; reported as CCYY.																												
227-249 23 ACT Test Information (continued in positions 260-274)																															
227-232	6	Expanded Test Date	Month and year; reported as CCYYMM.																												
233-236	4	Test Date	Month and year; reported as MMY.																												
237-248	12	State Ranks (Cumulative %) – Scale Scores	Range is 001-100. If the score is set to dashes, the rank for that score is also set to dashes. Positions formerly blank.																												
237-239	3	English																													
240-242	3	Mathematics																													
243-245	3	Reading																													
246-248	3	Science																													
249	1	Test Location	S = State Blank = All other test locations																												
250-259 10 Postal Code/Province																															
250-251	2	Canadian Province	<table> <tr> <td>Alberta</td><td>AB</td><td>Nunavut</td><td>NU</td></tr> <tr> <td>British Columbia</td><td>BC</td><td>Ontario</td><td>ON</td></tr> <tr> <td>Manitoba</td><td>MB</td><td>Prince Edward Island</td><td>PE</td></tr> <tr> <td>New Brunswick</td><td>NB</td><td>Quebec</td><td>QC</td></tr> <tr> <td>Newfoundland and Labrador</td><td>NL</td><td>Saskatchewan</td><td>SK</td></tr> <tr> <td>Northwest Territories</td><td>NT</td><td>Yukon</td><td>YT</td></tr> <tr> <td>Nova Scotia</td><td>NS</td><td></td><td></td></tr> </table>	Alberta	AB	Nunavut	NU	British Columbia	BC	Ontario	ON	Manitoba	MB	Prince Edward Island	PE	New Brunswick	NB	Quebec	QC	Newfoundland and Labrador	NL	Saskatchewan	SK	Northwest Territories	NT	Yukon	YT	Nova Scotia	NS		
Alberta	AB	Nunavut	NU																												
British Columbia	BC	Ontario	ON																												
Manitoba	MB	Prince Edward Island	PE																												
New Brunswick	NB	Quebec	QC																												
Newfoundland and Labrador	NL	Saskatchewan	SK																												
Northwest Territories	NT	Yukon	YT																												
Nova Scotia	NS																														
252	1	BLANK																													
253-259	7	Canadian Postal Code																													
260-274 18 ACT Test Information continued																															
260	1	Corrected Report Indicator	Field normally blank. R = corrected report due to rescoring by ACT.																												
261-270	10	Scale Scores	Range is 01-36.																												
261-262	2	English	A score set to dashes means that test was omitted by the student. If any score is set to dashes, the Composite score is also set to dashes.																												
263-264	2	Mathematics																													
265-266	2	Reading																													
267-268	2	Science																													
269-270	2	Composite																													
271	1	BLANK																													

Position	Length	Field Name	Field Content
272-274	3	Sum of Scale Scores	Numeric sum of the 4 scale scores. If any score is set to dashes, the sum is also set to dashes.
275-277	3	State Rank (Cumulative %) – Composite	Range is 001-100. If the score is set to dashes, the rank for that score is also set to dashes. Positions formerly blank.
278	1	BLANK	
279-302	24	Interest Inventory Standard Scores	The standard score (SS) range is 20-80, or set to dashes. Dashes mean there were too few responses for a valid score.
279-280	2	BLANK	
281-282	2	Science & Technology	
283-284	2	BLANK	
285-286	2	Arts	
287-288	2	BLANK	
289-290	2	Social Service	
291-292	2	BLANK	
293-294	2	Administration & Sales	
295-296	2	BLANK	
297-298	2	Business Operations	
299-300	2	BLANK	
301-302	2	Technical	
303-308	6	World-of-Work Map Regions	Map regions are based on the Interest Inventory results. Valid regions are in sets of two or three. Sets of regions both summarize and extend the Interest Inventory results; regions identify groups of occupations that align with the interest inventory results. The range for each region is 01-12. Results may be inconclusive (99) or missing (--).
309-319	11	BLANK	
320-333	14	Scale Subscores – <i>test events before 09/2016</i>	Ranges are 01-18. For test events prior to September 2016, a subscore set to dashes means test was omitted by student.
320-321	2	<i>Usage/Mechanics</i>	Not applicable after August 2016.
322-323	2	<i>Rhetorical Skills</i>	
324-325	2	<i>Elementary Algebra</i>	
326-327	2	<i>Algebra/Coord Geom</i>	
328-329	2	<i>Plane Geom/Trig</i>	
330-331	2	<i>Soc Studies/Science</i>	
332-333	2	<i>Arts/Literature</i>	
334-336	3	State Rank (Cumulative %) – STEM	Range is 001-100. If the score is set to dashes, the norm for that score is set to dashes. Former location of <i>National Norms for ACT Scale Subscores (Cumulative Percent)</i> . Moved to positions 1008-1028.
337-339	3	State Rank (Cumulative %) – ELA	Range is 001-100. If the score is set to dashes, the norm for that score is set to dashes.
340-368	29	BLANK	
369-380	12	Interest Inventory – US Ranks (Cumulative %)	Range is 01-99. If Interest Inventory scores are set to dashes, the percentile rank is also set to dashes.
369-370	2	Science & Technology	
371-372	2	Arts	
373-374	2	Social Service	
375-376	2	Administration & Sales	
377-378	2	Business Operations	
379-380	2	Technical	
381-390	10	Local ID Number	School-assigned ID number (used at state's discretion).
391-400	10	BLANK	

Position	Length	Field Name	Field Content
401-550	150	Student Profile Section (SPS) – items 1-135*	Refer to the <i>Student Information Booklet</i> at www.act.org for SPS items and response values. Exceptions include 1=Y, 2=N. *For SPS item 62, refer to positions 606-607.
551-600	54	BLANK	
601-604	4	Language	SPS items 64 a-d
605	1	EOS Release	1=Y, 2=N
606-607	2	Religious Affiliation	SPS item 62
608-630	23	BLANK	
631-690	60	High School Courses /Grade Information	Blank if no response or more than one response from student.
631-660	30	Courses Taken or Planned	1 = Taken 2 = Plan to take before graduation 3 = Not taken and do not plan to take
661-690	30	Grades Earned	4 = A 3 = B 2 = C 1 = D 0 = F
691-700	10	State-Assigned Student ID Number (10-characters)	Reports SASID if Test Location (position 249) = S, if available, and if SASID is 10-characters or less. If less than 10-characters, will have leading zeros.
701-724	24	BLANK	
725-782	58	BLANK	Positions 773-782 formerly displayed <i>National Norms for ACT Scale Scores (Cumulative Percent)</i> . Moved to positions 1029-1043.
783	1	Ranks Type	0 = ACT-Tested Ranks
784-790	7	BLANK	
791-805	15	Writing Results – test events beginning 09/2015	For test events beginning September 2015. Scores set to dashes mean the writing test could not be scored. Blank if the student did not take the writing test.
791-792	2	Writing Subject Score (1-36)	Range is 01-36. Score of (--) means writing test could not be scored; student did not take the writing test if blank. Not applicable after August 2016.
793-795	3	US Rank (Cumulative %) – Writing Subject Score	Range is 001-100. If the score is set to dashes, the rank for that score is also set to dashes. Based on recent high school students who took the writing test. Positions formerly blank.
796-803	8	Writing Domain Scores	Range is 02-12.
796-797	2	<i>Ideas & Analysis</i>	
798-799	2	<i>Development & Support</i>	
800-801	2	<i>Organization</i>	
802-803	2	<i>Language Use & Conventions</i>	
804-805	2	Writing Subject Score (2-12)	For test events beginning in September 2016. Range is 02-12. Score of (--) means writing test could not be scored; student did not take the writing test if blank.
806-821	16	Additional Scores & Indicators	For test events beginning in September 2015.
806-807	2	ELA Score (English Language Arts)	Range is 01-36. If the score is set to dashes, student did not receive a score on English, reading, or writing tests.
808-810	3	US Rank (Cumulative %) – ELA	Range is 001-100. If the score is set to dashes, the rank for that score is also set to dashes. Based on recent high school students who took the English, reading, and writing tests.
811-812	2	BLANK	
813-814	2	STEM Score	Range is 01-36.

Position	Length	Field Name	Field Content
		(Science, Technology, Engineering, and Math)	If the score is set to dashes, student did not receive a score on the mathematics or the science tests.
815-817	3	US Rank (Cumulative %) – STEM	Range is 001-100. If the score is set to dashes, the rank for that score is also set to dashes. Based on recent high school students who took the mathematics and science tests.
818-819	2	BLANK	
820	1	Understanding Complex Text Indicator (UCTI)	0 = Below proficient 2 = Above proficient 1 = Proficient (-) = Unable to calculate
821	1	Progress Toward Career Readiness Indicator (PTCRI)	Based on Composite score, provides an estimate of students' likely performance on ACT® WorkKeys® National Career Readiness Certificate® (NCRC®). 0 = Unlikely to obtain an NCRC 1 = Likely to obtain a Bronze level NCRC 2 = Likely to obtain a Silver level NCRC 3 = Likely to obtain a Gold level NCRC 4 = Likely to obtain a Platinum level NCRC (New Value) (-) = Unable to calculate (Student does not have a Composite score)

822-1001 180 Reporting Categories

822-851	30	English	Blank if reporting categories are not available.
822-831	10	Production of Writing	
822-823	2	Points Earned	Range is 00-99. If test was not attempted, field will be set to dashes.
824-825	2	Points Possible	Range is 01-99.
826-828	3	% Correct	Range is 000-100. If test was not attempted, field will be set to dashes.
829-831	3	Readiness Range Lower Bound	Range is 000-100.
832-841	10	Knowledge of Language	
832-833	2	Points Earned	Range is 00-99. If test was not attempted, field will be set to dashes.
834-835	2	Points Possible	Range is 01-99.
836-838	3	% Correct	Range is 000-100. If test was not attempted, field will be set to dashes.
839-841	3	Readiness Range Lower Bound	Range is 000-100.
842-851	10	Conventions of Standard English	
842-843	2	Points Earned	Range is 00-99. If test was not attempted, field will be set to dashes.
844-845	2	Points Possible	Range is 01-99.
846-848	3	% Correct	Range is 000-100. If test was not attempted, field will be set to dashes.
849-851	3	Readiness Range Lower Bound	Range is 000-100.
852-931	80	Mathematics	Blank if reporting categories are not available.
852-861	10	Preparing for Higher Math	
852-853	2	Points Earned	Range is 00-99. If test was not attempted, field will be set to dashes.
854-855	2	Points Possible	Range is 01-99.
856-858	3	% Correct	Range is 000-100. If test was not attempted, field will be set to dashes.
859-861	3	Readiness Range	Range is 000-100.

Position	Length	Field Name	Field Content
<i>Lower Bound</i>			
862-871	10	Number & Quantity	
862-863	2	Points Earned	Range is 00-99. If test was not attempted, field will be set to dashes.
864-865	2	Points Possible	Range is 01-99.
866-868	3	% Correct	Range is 000-100. If test was not attempted, field will be set to dashes.
869-871	3	Readiness Range Lower Bound	Range is 000-100.
872-881	10	Algebra	
872-873	2	Points Earned	Range is 00-99. If test was not attempted, field will be set to dashes.
874-875	2	Points Possible	Range is 01-99.
876-878	3	% Correct	Range is 000-100. If test was not attempted, field will be set to dashes.
879-881	3	Readiness Range Lower Bound	Range is 000-100.
882-891	10	Functions	
882-883	2	Points Earned	Range is 00-99. If test was not attempted, field will be set to dashes.
884-885	2	Points Possible	Range is 01-99.
886-888	3	% Correct	Range is 000-100. If test was not attempted, field will be set to dashes.
889-891	3	Readiness Range Lower Bound	Range is 000-100
892-901	10	Geometry	
892-893	2	Points Earned	Range is 00-99. If test was not attempted, field will be set to dashes.
894-895	2	Points Possible	Range is 01-99.
896-898	3	% Correct	Range is 000-100. If test was not attempted, field will be set to dashes.
899-901	3	Readiness Range Lower Bound	Range is 000-100.
902-911	10	Statistics & Probability	
902-903	2	Points Earned	Range is 00-99. If test was not attempted, field will be set to dashes.
904-905	2	Points Possible	Range is 01-99.
906-908	3	% Correct	Range is 000-100. If test was not attempted, field will be set to dashes.
909-911	3	Readiness Range Lower Bound	Range is 000-100.
912-921	10	Integrating Essential Skills	
912-913	2	Points Earned	Range is 00-99. If test was not attempted, field will be set to dashes.
914-915	2	Points Possible	Range is 01-99.
916-918	3	% Correct	Range is 000-100. If test was not attempted, field will be set to dashes.
919-921	3	Readiness Range Lower Bound	Range is 000-100.
922-931	10	Modeling	
922-923	2	Points Earned	Range is 00-99. If test was not attempted, field will be set to dashes.
924-925	2	Points Possible	Range is 01-99.
926-928	3	% Correct	Range is 000-100. If test was not attempted, field will be set to dashes.

Position	Length	Field Name	Field Content
929-931	3	Readiness Range Lower Bound	Range is 000-100.
932-941	10	BLANK	
942-971	30	Reading	Blank if reporting categories are not available.
942-951	10	Key Ideas & Details	
942-943	2	Points Earned	Range is 00-99. If test was not attempted, field will be set to dashes.
944-945	2	Points Possible	Range is 01-99.
946-948	3	% Correct	Range is 000-100. If test was not attempted, field will be set to dashes.
949-951	3	Readiness Range Lower Bound	Range is 000-100.
952-961	10	Craft & Structure	
952-953	2	Points Earned	Range is 00-99. If test was not attempted, field will be set to dashes.
954-955	2	Points Possible	Range is 01-99.
956-958	3	% Correct	Range is 000-100. If test was not attempted, field will be set to dashes.
959-961	3	Readiness Range Lower Bound	Range is 000-100.
962-971	10	Integration of Knowledge & Ideas	
962-963	2	Points Earned	Range is 00-99. If test was not attempted, field will be set to dashes.
964-965	2	Points Possible	Range is 01-99.
966-968	3	% Correct	Range is 000-100. If test was not attempted, field will be set to dashes.
969-971	3	Readiness Range Lower Bound	Range is 000-100.
972-1001	30	Science	Blank if reporting categories are not available.
972-981	10	Interpretation of Data	
972-973	2	Points Earned	Range is 00-99. If test was not attempted, field will be set to dashes.
974-975	2	Points Possible	Range is 01-99.
976-978	3	% Correct	Range is 000-100. If test was not attempted, field will be set to dashes.
979-981	3	Readiness Range Lower Bound	Range is 000-100.
982-991	10	Scientific Investigation	
982-983	2	Points Earned	Range is 00-99. If the test was not attempted, the field will be set to dashes.
984-985	2	Points Possible	Range is 01-99.
986-988	3	% Correct	Range is 000-100. If the test was not attempted, the field will be set to dashes.
989-991	3	Readiness Range Lower Bound	Range is 000-100.
992-1001	10	Evaluation of Models, Inferences & Experimental Results	
992-993	2	Points Earned	Range is 00-99. If the test was not attempted, the field will be set to dashes.
994-995	2	Points Possible	Range is 01-99.
996-998	3	% Correct	Range is 000-100. If the test was not attempted, the field will be set to dashes.
999-1001	3	Readiness Range Lower Bound	Range is 000-100.

Position	Length	Field Name	Field Content
1002-1046	45	US Ranks (Cumulative %)	Expanded from 2 bytes to 3 bytes; ranges are 001-100. If the score is set to dashes, the rank will be set to dashes. Based on recent high school graduates who tested in grades 10-12.
1002-1007	6	US Ranks (Cumulative %) – Writing (EW & WR) – <i>test events before 9/2015</i>	Moved from positions 167-170. Not applicable for test events beginning in September 2015.
1008-1028	21	US Ranks (Cumulative %) – Scale Subscores – <i>test events before 9/2016</i>	Moved from positions 334-347. Not applicable after August 2016.
1008-1010	3	<i>Usage/Mechanics</i>	
1011-1013	3	<i>Rhetorical Skills</i>	
1014-1016	3	<i>Elementary Algebra</i>	
1017-1019	3	<i>Algebra/Coord Geom</i>	
1020-1022	3	<i>Plane Geom/Trig</i>	
1023-1025	3	<i>Soc Studies/Science</i>	
1026-1028	3	<i>Arts/Literature</i>	
1029-1043	15	US Ranks (Cumulative %) – Scale Scores	Moved from positions 773-782.
1029-1031	3	<i>English</i>	
1032-1034	3	<i>Mathematics</i>	
1035-1037	3	<i>Reading</i>	
1038-1040	3	<i>Science</i>	
1041-1043	3	<i>Composite</i>	
1044-1046	3	State Rank (Cumulative %) – Writing	Range is 001-100. If the score is set to dashes, or the rank is not available, then the state rank is also set to dashes.
1047-1050	4	BLANK	