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NATIONAL CENTER FOR EDUCATION STATISTICS

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User's Manual

September 1994

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NATIONAL EDUCATION LONGITUDINAL STUDY OF 1988

SECOND FOLLOW-UP: STUDENT COMPONENT  
DATA FILE USER'S MANUAL

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U.S. Department of Education  
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NCES 94-374

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National Center for Education Statistics

"The purpose of the Center shall be to collect, and analyze, and disseminate statistics and other data related to education in the United States and in other nations."--Section 406(b) of the General Education Provisions Act, as amended (20 U.S.C. 1221e-1).

September 1994

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## Foreword

This manual has been produced to familiarize data users with the procedures followed for data collection and processing of the second follow-up student component of the National Education Longitudinal Study of 1988 (NELS:88). A corollary objective is to provide the necessary documentation for use of the data file.

Use of the data set does not require the analyst to be a sophisticated statistician or computer programmer. Most social scientists and policy analysts should find the data set organized and equipped in a manner that facilitates straightforward production of statistical summaries and analyses. This manual provides extensive documentation of the content of the data file and how to use it. **Chapter VII and Appendix I, in particular, contain essential information that allows the user to immediately proceed with minimal startup cost. A careful reading of Chapter VII and Appendix I will help users to avoid common mistakes that result in costly computer job failures or incorrect results.**

The rest of the manual provides a wide range of information on the design and conduct of the National Education Longitudinal Study of 1988 (NELS:88). Chapter I begins with an overview and history of NCES's National Education Longitudinal Studies program and the various studies that it comprises. Chapter II contains a general description of the data collection instruments used in the NELS:88 second follow-up.

The sample design and weighting procedures used in the second follow-up study are documented in Chapter III, as well as standard errors and design effects, non-sampling measurement errors, and problematic variables.

Data collection procedures, schedules, and results are presented in Chapter IV. Chapter V describes data control and preparation activities such as monitoring receipt of questionnaires, editing, and data retrieval. Chapter VI describes data processing activities including machine editing and construction of the cleaned data tape. Finally, Chapter VII describes the organization and contents of the data file and provides important suggestions for using it.

The appendices contain a list of other NCES NELS:88 publications; guidelines for Statistical Analysis System (SAS) users; the second follow-up student questionnaire; the record layout for the student questionnaire; specifications for the composite variables; the content areas of the second follow-up components; a glossary of project terms; a discussion of conducting cross-cohort trend analyses of students; and a codebook for the student questionnaire data.

In addition to the study described in this manual, a number of supplemental NELS:88 components are also described in Appendix A.

Earlier NCES longitudinal studies that may be of interest to NELLS:88 users are described in Appendix B including the following: the High School and Beyond (HS&B) base year files; merged HS&B first, second, third, and fourth follow-up files; related HS&B files; and assorted files related to the National Longitudinal Study of the High School Class of 1972 (NLS-72).

### **A Note on Data Use and Confidentiality**

The NELS:88 second follow-up data files are released in accordance with the provisions of the General Education Provisions Act (GEPA) [20-USC 122e 1] and the Carl D. Perkins Vocational Education Act. The GEPA assures privacy by ensuring that respondents will never be individually identified.

The National Center for Education Statistics (NCES) is responsible under the Privacy Act and Public Law 100-297 for protecting the confidentiality of individually identifiable respondents, and is releasing this data set to be used for statistical purposes only. Record matching or deductive disclosure by any user is prohibited.

To ensure that the confidentiality provisions contained in PL 100-297 and the Privacy Act have been fully implemented, procedures commonly applied for disclosure avoidance in other Government-sponsored surveys were used in preparing the data file associated with this manual. These include suppressing, abridging, and recoding identifiable variables. Every effort has been made to provide the maximum research information that is consistent with reasonable confidentiality protection. Deleted, abridged, and/or recoded variables appear with an explanatory footnote in the codebook attached to each user's manual.

## **Acknowledgements**

A study such as this is built first and foremost upon the students, dropouts, teachers, school administrators, and parents who have so generously provided its basic data. We are grateful for their cooperation. We also thank the considerable numbers of school personnel who have assisted in the implementation of NELS:88.

We wish to acknowledge the role of a number of other individuals in the realization of the aims of this study. Donald Rock and Judith Pollack of Educational Testing Service served as task leaders for cognitive test development. Miriam Clarke provided counsel on management issues in the main study. Leslie Scott contributed significantly to the conceptualization and development of file specifications and composite variables for the components of the study.

We are also grateful to the members of NCES staff in the Longitudinal and Household Studies Branch who worked closely with us on this project. Jeffrey Owings, chief of the Longitudinal and Household Studies Branch; Peggy Quinn, project officer for the second follow-up; as well as other branch staff--Ralph Lee, Shi-Chang Wu, and Jerry West--who contributed to various aspects of this study. Bob Burton of the Statistical Standards and Methodology Division supplied statistical advice and review.

Three individuals in other agencies have worked particularly hard and effectively to help realize and extend the potential of NELS:88. Larry Suter of the National Science Foundation, Dick Berry (formerly of the National Science Foundation), and Carmen Simich-Dudgeon (formerly of the Office of Bilingual Education and Minority Languages Affairs (OBEMLA) of the U.S. Department of Education). We are grateful for their efforts.

In addition, we would like to express our appreciation to the members of what began in the base year as our National Advisory Panel, and became in 1989 the NELS:88 Technical Review Panel. The panelists--Jerald G. Bachman, Gordon Ensign, Lyle V. Jones, Nancy Karweit, Richard J. Murnane, Patricia Shell, Marshall S. Smith, and John Stiglmeier--provided wise counsel on many difficult issues of design, instrumentation and implementation. As consultants to the second follow-up, Aaron Pallas, Joan Talbert, Leigh Burstein, Anthony Bryk, and Senta Raizen also contributed importantly to the design and ultimate success of the study.

Steven J. Ingels was overall NELS:88 second follow-up project director. Lisa Thalji was associate project director responsible for securing school cooperation and locating NELS:88 cohort members. Katy Dowd was associate project director responsible for the student component during data collection. Laura Reed and Virginia Bartot were the data processing managers, and Martin R. Frankel was the task leader for sampling and statistics.

The authors also wish to acknowledge those who contributed to the production of this manual. Kenneth A. Rasinski performed the confidentiality disclosure analysis for the NELS:88 Second Follow-Up. Additionally, Doug Barge, Michael Ma, Gloria Rauens, Supriti Sehra, Shio-Ling Tsai-Ma, and Hsiuling Young provided a great deal of their time and expertise to produce the statistics reported throughout the manual. Our appreciation is also extended to Karen Sutherlin and Cynthia Mathews for their patience and thoroughness in the production of the manuscript. Finally, we would like to thank the National Opinion Research Center field and telephone center interviewers and supervisors who with such energy and determination collected the NELS:88 data.

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## **Appendix G**

### **Public Use Record Layout for the NELS:88**

#### **Second Follow-Up Data Tape**

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## NELS:88 Second Follow-Up Public Use Student Data File Record Layout (**Magnetic Tape Version**)

Because the number of variables in the student data file exceeds the amount allowed by **SPSS-X**, the data file has been split into two **files**. **Part 1** contains the questionnaire **items**, while **part 2** contains all other **variables**, such as the **flags, composites, test scores, New Student Supplement variables**, and transcript **composites**.

The original EBCDIC **files** delivered on magnetic tape have the following structure (**where LRECL =** logical record layout and **BLKSIZE = blocking factor**):

### Part 1

raw data: LRECL = 663, BLKSIZE = 27846  
SAS and SPSS-X cards: LRECL = 80, BLKSIZE = 27920

### Part 2

raw data: LRECL = 603, BLKSIZE = 27738  
SAS and SPSS-X cards: LRECL = 80, BLKSIZE = 27920

VARIABLE NAME	POSITION
------------------	----------

### Part 1

STU_ID	1-7
F2S5AMO	8-9
F2S5ADA	10-11
F2S6A	12-12
F2S6B	13-13
F2S7A	14-14
F2S7B	15-15
F2S7C	16-16
F2S7D	17-17
F2S7E	18-18
F2S7F	19-19
F2S7G	20-20
F2S7H	21-21
F2S7I	22-22
F2S7J	23-23
F2S7K	24-24
F2S7L	25-25
F2S8A	26-26
F2S8B	27-27

F2S8C	28-28
F2S8D	29-29
F2S8E	30-30
F2S8F	31-31
F2S8G	32-32
F2S9A	33-33
F2S9B	34-34
F2S9C	35-35
F2S9D	36-36
F2S9E	37-37
F2S9F	38-38
F2S9G	39-39
F2S9H	40-40
F2S9I	41-41
F2S10	42-43
F2S11A	44-44
F2S11B	45-45
F2S12A	46-47
F2S12BA	48-48
F2S12BB	49-49
F2S12BC	50-50
F2S12BD	51-51
F2S12BE	52-52
F2S12BF	53-53
F2S13A	54-54
F2S13B	55-55
F2S13C	56-56
F2S13D	57-57
F2S13E	58-58
F2S13F	59-59
F2S13G	60-60
F2S13H	61-61
F2S13I	62-62
F2S13J	63-63
F2S13K	64-64
F2S14A	65-65
F2S14BA1	66-66
F2S14BA2	67-67
F2S14BA3	68-68
F2S14BA4	69-69
F2S14BA5	70-70
F2S14BB1	71-71
F2S14BB2	72-72
F2S14BB3	73-73
F2S14BB4	74-74
F2S14BB5	75-75
F2S14BC1	76-76
F2S14BC2	77-77
F2S14BC3	78-78

F2S14BC4	79-79
F2S14BC5	80-80
F2S15A	81-81
F2S15BA	82-82
F2S15BB	83-83
F2S15BC	84-84
F2S15BD	85-85
F2S15BE	86-86
F2S15BF	87-87
F2S15BG	88-88
F2S15BH	89-89
F2S15BI	90-90
F2S15BJ	91-91
F2S15BK	92-92
F2S15BL	93-93
F2S16A	94-94
F2S16B	95-95
F2S16C	96-96
F2S16D	97-97
F2S16E	98-98
F2S17A	99-99
F2S17B	100-100
F2S17C	101-101
F2S17D	102-102
F2S18A	103-103
F2S18BA	104-104
F2S18BB	105-105
F2S18BC	106-106
F2S18BD	107-107
F2S18BE	108-108
F2S18CA	109-109
F2S18CB	110-110
F2S18CC	111-111
F2S18CD	112-112
F2S18CE	113-113
F2S18DA	114-114
F2S18DB	115-115
F2S18DC	116-116
F2S18DD	117-117
F2S18DE	118-118
F2S18DF	119-119
F2S18DG	120-120
F2S19A	121-121
F2S19BA	122-122
F2S19BB	123-123
F2S19BC	124-124
F2S19BD	125-125
F2S19BE	126-126
F2S19BF	127-127

F2S19BG	128-128
F2S19BH	129-129
F2S19BI	130-130
F2S19BJ	131-131
F2S19BK	132-132
F2S19BL	133-133
F2S20A	134-134
F2S20B	135-135
F2S20C	136-136
F2S20D	137-137
F2S20E	138-138
F2S21A	139-139
F2S21B	140-140
F2S21C	141-141
F2S21D	142-142
F2S22A	143-143
F2S22BA	144-144
F2S22BB	145-145
F2S22BC	146-146
F2S22BD	147-147
F2S22BE	148-148
F2S22CA	149-149
F2S22CB	150-150
F2S22CC	151-151
F2S22CD	152-152
F2S22CE	153-153
F2S22DA	154-154
F2S22DB	155-155
F2S22DC	156-156
F2S22DD	157-157
F2S22DE	158-158
F2S22DF	159-159
F2S22DG	160-160
F2S23A	161-161
F2S23BA	162-162
F2S23BB	163-163
F2S23BC	164-164
F2S23BD	165-165
F2S23BE	166-166
F2S23BF	167-167
F2S23BG	168-168
F2S24A	169-169
F2S24B	170-170
F2S24C	171-171
F2S25A1	172-173
F2S25A2	174-175
F2S25B1	176-177
F2S25B2	178-179
F2S25C1	180-181

F2S25C2	182-183
F2S25D1	184-185
F2S25D2	186-187
F2S25E1	188-189
F2S25E2	190-191
F2S25F1	192-193
F2S25F2	194-195
F2S26A	196-196
F2S26B	197-197
F2S26C	198-198
F2S26D	199-199
F2S26E	200-200
F2S26F	201-201
F2S27	202-202
F2S28	203-203
F2S29A	204-204
F2S29B	205-205
F2S29C	206-206
F2S29D	207-207
F2S29E	208-208
F2S29F	209-209
F2S29G	210-210
F2S29H	211-211
F2S29I	212-212
F2S30AA	213-213
F2S30AB	214-214
F2S30AC	215-215
F2S30BA	216-216
F2S30BB	217-217
F2S30BC	218-218
F2S30BD	219-219
F2S30BE	220-220
F2S30BF	221-221
F2S30BG	222-222
F2S30BH	223-223
F2S30BI	224-224
F2S30BJ	225-225
F2S30BK	226-226
F2S31	227-228
F2S32	229-230
F2S33A	231-231
F2S33B	232-232
F2S33C	233-233
F2S33D	234-234
F2S33E	235-235
F2S33F	236-236
F2S33G	237-237
F2S33H	238-238
F2S33I	239-239

F2S33J	240-240
F2S33K	241-241
F2S33L	242-242
F2S34A	243-243
F2S34B	244-244
F2S35A	245-245
F2S35B	246-246
F2S36	247-247
F2S37	248-248
F2S38A	249-249
F2S38B	250-250
F2S38C	251-251
F2S38D	252-252
F2S38E	253-253
F2S39A	254-254
F2S39B	255-255
F2S39C	256-256
F2S39D	257-257
F2S39E	258-258
F2S39F	259-259
F2S39G	260-260
F2S39H	261-261
F2S40A	262-262
F2S40B	263-263
F2S40C	264-264
F2S40D	265-265
F2S40E	266-266
F2S40F	267-267
F2S40G	268-268
F2S40H	269-269
F2S40I	270-270
F2S40J	271-271
F2S40K	272-272
F2S40L	273-273
F2S40M	274-274
F2S40N	275-275
F2S40O	276-276
F2S41A	277-278
F2S41B	279-280
F2S41C	281-282
F2S41D	283-284
F2S41E	285-286
F2S41F	287-288
F2S41G	289-290
F2S42A	291-292
F2S42B	293-294
F2S43	295-296
F2S44A	297-297
F2S44AMO	298-299

F2S44AYR	300-301
F2S44B	302-302
F2S44BMO	303-304
F2S44BYR	305-306
F2S44C	307-307
F2S44CMO	308-309
F2S44CYR	310-311
F2S44D	312-312
F2S44DMO	313-314
F2S44DYR	315-316
F2S44E	317-317
F2S44EMO	318-319
F2S44EYR	320-321
F2S44F	322-322
F2S44FMO	323-324
F2S44FYR	325-326
F2S45A	327-327
F2S45B	328-328
F2S45C	329-329
F2S45D	330-330
F2S45E	331-331
F2S45F	332-332
F2S46A	333-333
F2S46B	334-334
F2S46C	335-335
F2S46D	336-336
F2S47	337-337
F2S48A	338-338
F2S48B	339-339
F2S48C	340-340
F2S49	341-341
F2S50A	342-342
F2S50B	343-343
F2S50C	344-344
F2S50D	345-345
F2S50E	346-346
F2S50F	347-347
F2S50G	348-348
F2S50H	349-349
F2S50I	350-350
F2S50J	351-351
F2S50K	352-352
F2S50L	353-353
F2S50M	354-354
F2S50N	355-355
F2S51	356-356
F2S52	357-357
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F2S59B	386-386
F2S59C	387-387
F2S59D	388-388
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F2S59G	391-391
F2S59H	392-392
F2S59I	393-393
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F2S59L	396-396
F2S59M	397-397
F2S59N	398-398
F2S59O	399-399
F2S59P	400-400
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F2S59R	402-402
F2S60A	403-403
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F2S60B1C	412-412
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F2S69A	475-475

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F2S71	481-481
F2S72A	482-483
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F2S72E	490-491
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F2S77YR	499-500
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F2S85C	524-524
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F2S87MO	530-531
F2S87YR	532-533
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F2S91	540-541

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F2S92E	546-546
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F2S92H	549-549
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F2S96C	556-556
F2S96D	557-557
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F2S96H	561-561
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F2S109C	619-619
F2S109D	620-620
F2S110A	621-621
F2S110BA	622-622
F2S110BB	623-623
F2S110BC	624-624
F2S110BD	625-625
F2S110BE	626-626
F2S110CA	627-627
F2S110CB	628-628
F2S110CC	629-629
F2S110CD	630-630
F2S111A	631-631
F2S111B	632-632
F2S111C	633-633
F2S111D	634-634
F2S111E	635-635
F2S111F	636-636
F2S111G	637-637
F2S112A	638-638
F2S112B	639-639
F2S112C	640-640
F2S112D	641-641
F2S112E	642-642
F2S113A	643-643
F2S113B	644-644
F2S113C	645-645
F2S113D	646-646
F2S113E	647-647
F2S113F	648-648

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F2S113G	649-649	
F2S113H	650-650	
F2S113I	651-651	
F2S113J	652-652	
F2S113K	653-653	
F2QWT	654-663	4*

**Part 2**

STU_ID	1-7	
F2QWT	8-17	4*
F2PNLWT	18-27	4*
F2F1PNWT	28-37	4*
F2CXTWT	38-47	4*
F2TRSCWT	48-57	4*
F2TRP1WT	58-67	4*
F2TRP2WT	68-77	4*
F2BYQFLG	78-78	
F2F1QFLG	79-79	
F2QFLG	80-80	
F2TXFLG	81-81	
F2NSSFLG	82-82	
F2BYF1PN	83-83	
F2F1PNFL	84-84	
F2PNLFLG	85-85	
F2ADMFLG	86-86	
F2PAQFLG	87-87	
F2TRSCFL	88-88	
F2TEQFLG	89-89	
F2CXTFLG	90-90	
F2TRP1FL	91-91	
F2TRP2FL	92-92	
G8COHORT	93-93	
G10COHRT	94-94	
G12COHRT	95-95	
F2STAT	96-97	
F2RWTST	98-98	
F2DOSTAT	99-99	
F2SEQFLG	100-100	
F2SMPFLG	101-101	
F2EGDFLG	102-102	
F2F1DOST	103-104	
F2EVDOST	105-105	
F2UNIV1	106-109	
F2UNIV2A	110-110	
F2UNIV2B	111-111	
F2UNIV2C	112-113	
F2UNIV2D	114-115	

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F2HSPROG	116-117	
F2SEX	118-118	
F2RACE1	119-119	
F2API	120-120	
F2HISP	121-121	
F2BIRTHM	122-123	
F2BIRTHY	124-125	
F2SES1	126-130	3*
F2SES1Q	131-131	
F2LOCUS1	132-135	2*
F2LOCUS2	136-139	2*
F2LOCU2Q	140-140	
F2CNCPT1	141-144	2*
F2CNCPT2	145-148	2*
F2CNCPT2Q	149-149	
F2F1SCFL	150-150	
G12CTRL1	151-152	
G12URBN3	155-155	
G12REGON	156-157	
F22XRIRR	160-163	2*
F22XMIRR	164-167	2*
F22XSIRR	168-171	2*
F22XHIRR	172-175	2*
F22XRSTD	176-179	2*
F22XMSTD	180-183	2*
F22XSSTD	184-187	2*
F22XHSTD	188-191	2*
F22XRQ	192-192	
F22XMQ	193-193	
F22XSQ	194-194	
F22XHQ	195-195	
F22XRTH	196-199	2*
F22XMTH	200-203	2*
F22XSTH	204-207	2*
F22XHTH	208-211	2*
F22XCOMP	212-215	2*
F22XQURT	216-216	
F22XRPL1	217-217	
F22XRPL2	218-218	
F22XRPL3	219-219	
F22XRPRO	220-220	
F22XMPL1	221-221	
F22XMPL2	222-222	
F22XMPL3	223-223	
F22XMPL4	224-224	
F22XMPL5	225-225	
F22XMPRO	226-226	
F22XSPL1	227-227	
F22XSPL2	228-228	

F22XSPL3	229-229	
F22XSPRO	230-230	
F22XRPP1	231-233	2*
F22XRPP2	234-236	2*
F22XRPP3	237-239	2*
F22XMPP1	240-242	2*
F22XMPP2	243-245	2*
F22XMPP3	246-248	2*
F22XMPP4	249-251	2*
F22XMPP5	252-254	2*
F22XSPP1	255-257	2*
F22XSPP2	258-260	2*
F22XSPP3	261-263	2*
F22XNAEP	264-268	2*
F2N2	269-269	
F2N4	270-271	
F2N5	272-273	
F2N6	274-275	
F2N7	276-277	
F2N8A	278-279	
F2N8B	280-281	
F2N9A	282-283	
F2N9B	284-285	
F2N10A	286-287	
F2N10B	288-289	
F2N11	290-290	
F2N12A	291-291	
F2N12B	292-292	
F2N12C	293-293	
F2N12D	294-294	
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F2N12H	298-298	
F2N12I	299-299	
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F2N13B	308-308	
F2N14A	309-309	
F2N14B	310-310	
F2N15A	311-311	
F2N15B	312-312	
F2N16	313-313	

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F2N16B	315-315	
F2N16C	316-316	
F2N16D	317-317	
F2N16E	318-318	
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F2N16I	322-322	
F2N16J	323-323	
F2N16K	324-324	
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F2N16M	326-326	
F2N17	327-327	
F2N18	328-329	
F2N19	330-330	
F2N20	331-332	
F2N21A	333-333	
F2N21B	334-334	
F2N21C	335-335	
F2N21D	336-336	
F2N22	337-338	
F2RSPFLG	355-356	
F2RDTLMO	365-366	
F2RDTLYR	367-368	
F2RREASL	369-370	
F2TRSTYP	371-372	
F2RRLVRB	373-392	A**
F2RGPA	393-397	2*
TRNURBN3	420-420	
TRNREGON	421-422	
F2RCRLST	425-425	
F2RTR09	426-426	
F2RTR10	427-427	
F2RTR11	428-428	
F2RTR12	429-429	
F2RTROUT	430-431	
F2RTRPRG	432-433	
F2RNWB1A	434-434	
F2RNWB2A	435-435	
F2RNWB3A	436-436	
F2RNWB4A	437-437	
F2RNWB5A	438-438	
F2RNWB1B	439-439	
F2RNWB2B	440-440	
F2RNWB3B	441-441	
F2RNWB4B	442-442	
F2RNWB5B	443-443	
F2RHEN_C	444-447	2*

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F2RHMA_C	448-451	2*
F2RHSC_C	452-455	2*
F2RHSC_C	456-459	2*
F2RHCO_C	460-463	2*
F2RHFO_C	464-467	2*
F2RHENG2	468-471	2*
F2RHMAG2	472-475	2*
F2RHSCG2	476-479	2*
F2RHSOG2	480-483	2*
F2RHCOG2	484-487	2*
F2RHFOG2	488-491	2*
F2RENG_C	492-495	2*
F2RFOR_C	496-499	2*
F2RMAT_C	500-503	2*
F2RAL1_C	504-507	2*
F2RAL2_C	508-511	2*
F2RGEO_C	512-515	2*
F2RTRI_C	516-519	2*
F2RPRE_C	520-523	2*
F2RCAL_C	524-527	2*
F2ROMA_C	528-531	2*
F2RSCI_C	532-535	2*
F2REAR_C	536-539	2*
F2RBIO_C	540-543	2*
F2RCHE_C	544-547	2*
F2RPHY_C	548-551	2*
F2ROSC_C	552-555	2*
F2RSOC_C	556-559	2*
F2RHIS_C	560-563	2*
F2ROS0_C	564-567	2*
F2RCOM_C	568-571	2*
F2RVAG_C	572-575	2*
F2RVBU_C	576-579	2*
F2RVGN_C	580-583	2*
F2RVHE_C	584-587	2*
F2RVHO_C	588-591	2*
F2RVMA_C	592-595	2*
F2RVTE_C	596-599	2*
F2RVTR_C	600-603	2*

\* Denotes a float variable. The number listed indicates the largest possible number of digits that may appear to the right of the decimal point.

\*\* Values for this variable are in alpha format.

**NELS:88 First Follow-Up Public Use Student Data File  
Record Layout (Magnetic Tape Version)**

<b>VARIABLE NAME</b>	<b>POSITION</b>
STU_ID	1-7
F1S7A	8-8
F1S7B	9-9
F1S7C	10-10
F1S7D	11-11
F1S7E	12-12
F1S7F	13-13
F1S7G	14-14
F1S7H	15-15
F1S7I	16-16
F1S7J	17-17
F1S7K	18-18
F1S7L	19-19
F1S7M	20-20
F1S7N	21-21
F1S7O	22-22
F1S8A	23-23
F1S8B	24-24
F1S8C	25-25
F1S8D	26-26
F1S8E	27-27
F1S8F	28-28
F1S8G	29-29
F1S8H	30-30
F1S8I	31-31
F1S8J	32-32
F1S9A	33-33
F1S9B	34-34
F1S9C	35-35
F1S9D	36-36
F1S10A	37-37
F1S10B	38-38
F1S10C	39-39
F1S10D	40-40
F1S10E	41-41
F1S10F	42-42
F1S10G	43-43
F1S11A	44-44
F1S11B	45-45
F1S11C	46-46
F1S11D	47-47
F1S12A	48-48
F1S12B	49-49
F1S12C	50-50

F1S12D	51-51
F1S12E	52-52
F1S12F	53-53
F1S12G	54-54
F1S12H	55-55
F1S12I	56-56
F1S12J	57-57
F1S12K	58-58
F1S12L	59-59
F1S12M	60-60
F1S12N	61-61
F1S12O	62-62
F1S12P	63-63
F1S12Q	64-64
F1S12R	65-65
F1S13	66-67
F1S14	68-69
F1S15A	70-70
F1S15B	71-71
F1S15C	72-72
F1S15D	73-73
F1S15E	74-74
F1S16A	75-75
F1S16B	76-76
F1S16C	77-77
F1S16D	78-78
F1S16E	79-79
F1S16F	80-80
F1S16G	81-81
F1S17	82-83
F1S18A	84-84
F1S18B	85-85
F1S19A1	86-86
F1S19B1	87-87
F1S19C1	88-88
F1S19A2	89-89
F1S19B2	90-90
F1S19C2	91-91
F1S19A3	92-92
F1S19B3	93-93
F1S19C3	94-94
F1S20	95-96
F1S21A	97-98
F1S21B	99-100
F1S21C	101-102
F1S21D	103-104
F1S22A	105-105
F1S22B	106-106
F1S22C	107-107

F1S22D	108-108
F1S22E	109-109
F1S22F	110-110
F1S22G	111-111
F1S22H	112-112
F1S22I	113-113
F1S22J	114-114
F1S23A	115-115
F1S23B	116-116
F1S23C	117-117
F1S23D	118-118
F1S23E	119-119
F1S23F	120-120
F1S23G	121-121
F1S23H	122-122
F1S24A	123-123
F1S24B	124-124
F1S24C	125-125
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F1S24E	127-127
F1S24F	128-128
F1S24G	129-129
F1S24H	130-130
F1S24I	131-131
F1S24J	132-132
F1S24K	133-133
F1S24L	134-134
F1S24M	135-135
F1S24N	136-136
F1S24O	137-137
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F1S25B	139-139
F1S25C	140-140
F1S25D	141-141
F1S25E	142-142
F1S25F	143-143
F1S25G	144-144
F1S25H	145-145
F1S26A	146-147
F1S26B	148-149
F1S26C	150-151
F1S26D	152-153
F1S27A	154-155
F1S27B	156-157
F1S27C	158-159
F1S27D	160-161
F1S28A	162-163
F1S28B	164-165
F1S28C	166-167

F1S28D	168-169
F1S29	170-170
F1S29A	171-171
F1S29B	172-172
F1S29C	173-173
F1S29D	174-174
F1S29E	175-175
F1S29F	176-176
F1S29G	177-177
F1S29H	178-178
F1S29I	179-179
F1S29J	180-180
F1S29K	181-181
F1S29L	182-182
F1S29M	183-183
F1S29N	184-184
F1S30A	185-185
F1S30B	186-186
F1S30C	187-187
F1S30D	188-188
F1S30E	189-189
F1S31	190-190
F1S31A	191-191
F1S31B	192-192
F1S31C	193-193
F1S31D	194-194
F1S31E	195-195
F1S32A	196-196
F1S32B	197-197
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F1S34E	215-215
F1S34F	216-216
F1S34G	217-217

F1S34H	2 8-218
F1S35A	219-219
F1S35B	220-220
F1S35C	221-221
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F1S36A2	224-225
F1S36B1	226-227
F1S36B2	228-229
F1S36C1	230-231
F1S36C2	232-233
F1S36D1	234-235
F1S36D2	236-237
F1S36E1	238-239
F1S36E2	240-241
F1S36F1	242-243
F1S36F2	244-245
F1S37	246-246
F1S38	247-247
F1S39A	248-249
F1S39B	250-251
F1S39C	252-253
F1S39D	254-255
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F1S41AA	259-260
F1S41AB	261-262
F1S41AC	263-264
F1S41AD	265-266
F1S41AE	267-268
F1S41AF	
F1S41AG	271-272
F1S41AH	273-274
F1S41AI	275-276
F1S41BA	277-277
F1S41BB	278-278
F1S41BC	279-279
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F1S41BH	284-284
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F1S46C	311-311
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F1S46M	321-321
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F1S52D	352-352
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F1S106D	642-642

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F1S108D	652-653	
F1S108E	654-655	
F1S108F	656-657	
F1S109	658-658	
F1S110MO	659-660	
F1S110DA	661-662	
F1S110YR	663-664	
F1QWT	665-674	4*
F1PNLWT	675-684	4*
F1QFLG	685-685	
F1BYQFLG	686-686	
F1PANFLG	687-687	
F1TXFLG	688-688	
F1NSSFLG	689-689	
F1ADMFLG	690-690	
F1TRNFLG	691-691	
F1SEQFLG	692-692	
F1SMPFLG	693-693	
F1STAT	694-695	
F1SRVMTH	696-697	
F1DOSTAT	698-698	
F1SEX	699-699	
F1RACE	700-700	
F1API	701-701	
F1SES	702-706	3*
F1SESQ	707-707	
F1PARED	708-709	
F1LOCUS1	710-713	2*
F1LOCUS2	714-717	2*
F1LOCU2Q	718-718	
F1CNCPT1	719-722	2*
F1CNCPT2	723-726	2*
F1CNCP2Q	727-727	
F1BIRTHM	728-729	
F1BIRTHY	730-731	
F1DRPS89	732-732	
F1DRPF89	733-733	
F1DRPS90	734-734	
F1HSPROG	735-735	
FAMCOMP	736-737	
G8CTRL1	738-738	
G8CTRL2	739-739	
G10CTRL1	740-741	

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G10CTRL2	742-743	
G10URBAN	744-744	
G10REGON	745-746	
F1SCENRL	747-748	
G10ENROL	749-750	
F12XRIRR	751-754	2*
F12XMIRR	755-758	2*
F12XSIRR	759-762	2*
F12XHIRR	763-766	2*
F12XRSTD	767-770	2*
F12XMSTD	771-774	2*
F12XSSTD	775-778	2*
F12XHSTD	779-782	2*
F12XRQ	783-783	
F12XMQ	784-784	
F12XSQ	785-785	
F12XHQ	786-786	
F12XRTH	787-790	2*
F12XMTH	791-794	2*
F12XSTH	795-798	2*
F12XHTH	799-802	2*
F12XCOMP	803-806	2*
F12XQURT	807-807	
F12XRPL1	808-808	
F12XRPL2	809-809	
F12XRPRO	810-810	
F12XMPL1	811-811	
F12XMPL2	812-812	
F12XMPL3	813-813	
F12XMPL4	814-814	
F12XMPRO	815-815	
F12XSPL1	816-816	
F12XSPL2	817-817	
F12XSPL3	818-818	
F12XSPRO	819-819	
F12XRPP1	820-822	2*
F12XRPP2	823-825	2*
F12XRPP3	826-828	2*
F12XMPP1	829-831	2*
F12XMPP2	832-834	2*
F12XMPP3	835-837	2*
F12XMPP4	838-840	2*
F12XMPP5	841-843	2*
F12XSPP1	844-846	2*
F12XSPP2	847-849	2*
F12XSPP3	850-852	2*
F1SCH_ID	853-857	
F1N2	858-858	
F1N4	859-859	

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F1N5B	861-862
F1N6	863-863
F1N7A	864-864
F1N7B	865-866
F1N8A	867-867
F1N8B	868-869
F1N8C	870-870
F1N9	871-871
F1N10	872-872
F1N11	873-873
F1N12	874-875
F1N13	876-877
F1N14	878-879
FINIS	880-881
F1N16A	882-882
F1N16B	883-883
F1N16C	884-884
F1N16D	885-885
F1N17A	886-886
F1N17B	887-887
F1N17C	888-888
F1N17D	889-889
F1N18	890-890
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F1N19B	892-892
F1N19C	893-893
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F1N19E	895-895
F1N19F	896-896
F1N19G	897-897
F1N19H	898-898
F1N19I	899-899
F1N19J	900-900
F1N20A	901-902
F1N20B	903-904
F1N21A	905-905
F1N21B	906-906
F1N21C	907-907
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F1N21G	911-911
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F1N21M	917-917

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F1N21O	919-919
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F1N22D	925-925
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F1N22G	928-928
F1N22H	929-929
F1N22I	930-930
F1N22J	931-931
F1N22K	932-932

- \* Denotes a float **variable**. The number listed indicates the largest possible number of digits that may appear to the right of the decimal point.