**QUANTITIES OF URANIUM-235 BURIED IN DISPOSAL
BOXES 1985-1991 (U)**

by J. R. Cook

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WSRC-RP--91-1207-Rev.1

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**WESTINGHOUSE SAVANNAH RIVER COMPANY
SAVANNAH RIVER LABORATORY DIVISION**

Derivative Classifier

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December 13, 1991

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QUANTITIES OF URANIUM-235 BURIED IN DISPOSAL BOXES 1985-1991 (U)

Introduction and Summary

IWT was asked by J. R. Schornhorst of NPSR to determine the distribution of the quantity of enriched uranium per disposal box (B-25) of the years 1985-1991 to provide input to an uptake of the E Area Safety Analysis. This information was considered important since the issue of criticality is an important concern in safety analyses.

Information found in the COBRA data base shows no disposal containers exceeded 100 grams of U-235.

Discussion

The COBRA data base was queried in a two step process. First a short program in the NATURAL language was used to retrieve all records beginning with January 1983 having a Burial Code of less than 4, indicating low-level waste disposed in trenches. These records were then passed to a temporary storage file and read into a program written in Statistical Analysis System (SAS) language. SAS was used to eliminate waste from the Naval Fuel Facility, which will not operate in the future, and to sort the records in order of increasing amounts of U-235. The SAS procedure FREQ was then used to produce a cumulative frequency distribution of grams of U-235. A total of 53198 packages were disposed of during this time period, 277 of which contained U-235. The programs used and resulting output are attached as Appendix I.

APPENDIX I

Computer print out for this work

```
NEXT
0010
0020
0030
0040
0050
0060
0070
NEXT

CREATE
FIND FILE COBRA-FILE WITH YB > 84 AND BC < 4
RESET #X (A1)
MOVE , , TO #X
WRITE WORK 1 #X TY #X V1 #X V2 #X V0 #X Q1 #X Q2 #X BD #X AR
#X SQ #X DI #X YB #X MB #X DB #X BC #X UI #X U2 #X XC #X YC #X CB
#X IQ #X CT
END
RUN
```

8:50 FRIDAY, DECEMBER 13, 1997

PROC SAS

MVS/XA JOB T5193JR# STEP S2

SAS(R) LOG OS SAS 5.18

NOTE: COPYRIGHT (C) 1984, 1988 SAS INSTITUTE INC., CARY, N.C. 27512, U.S.A.
NOTE: THE JOB T5193JR# HAS BEEN RUN UNDER RELEASE 5.18 OF SAS AT WESTINGHOUSE SAVANNAH RIVER COMPANY (02398001).

NOTE: CPUID VERSION = 43 SERIAL = 101474 MODEL = 3090
CPUID VERSION = 43 SERIAL = 201474 MODEL = 3090
CPUID VERSION = 43 SERIAL = 301474 MODEL = 3090
CPUID VERSION = 43 SERIAL = 401474 MODEL = 3090

ERROR: THE SAS SYSTEM IS EXECUTING ON A PROCESSOR (CPU)
WHOSE SERIAL NUMBER IS NOT INCLUDED IN THE SETINIT
DATA USED TO INITIALIZE THE SAS SYSTEM LIBRARY IN
USE. THIS IS PERMITTED IF THIS PROCESSOR IS A
DESIGNATED BACKUP PROCESSOR FOR A LICENSED CPU.
FOR THIS CPU GROUP AT THIS SITE, THE SAS SYSTEM
IS LICENSED FOR THE FOLLOWING CPU SERIAL NUMBERS:
023369 071474 020066

NOTE: FOR THIS RELEASE (ONLY), EXECUTION WILL BE PERMITTED.

NOTE: SAS OPTIONS SPECIFIED ARE:
NEWS SORT=14 LEAVE=600K

YOUR SERVICE AGREEMENT HAS EXPIRED FOR THE FOLLOWING PRODUCT(S):

SAS/ETS
SAS/IML
SAS/QC

PLEASE CONTACT YOUR COMPUTING INSTALLATION'S USER SERVICE
PERSONNEL OR INSTALLATION SAS REPRESENTATIVE.
(* - DENOTES EXPIRATION ERROR, OTHERWISE, EXPIRATION WARNING)

***** SAS NEWS *****

PROBLEMS ENCOUNTERED EXECUTING THIS VERSION OF
SAS SOFTWARE SHOULD BE DIRECTED TO LESLIE CARTER
AT EXTENSION 5-4800.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
OPTIONS NOCENTER;
DATA ONE;
* MEMBER IN NURE.DAT;
INFILE FT01F001;
INPUT @ 2 TYPE 1.0 @ 4 V1 \$ 4-5 @ 7 V2 \$ 7-8 @ 10 V0 5.0 @ 16 Q1 8.3
@ 25 Q2 8.3 @ 34 BLDG \$ 34-36 @ 38 AREA \$ 38-40 @ 42 SEQ 6.0
@ 49 DESC \$CHAR18. @ 68 YEAR 2.0 @ 71 MONTH 2.0 @ 74 DAY 2.0
@ 77 BC 1.0 @ 79 U1 \$79 @ 81 U2 \$81 @ 84 NC1 \$ 84-88 @ 91 EC1 \$ 91-95
@ 97 CB \$97 @ 99 IQ 8.3 @ 108 CT \$108-115;
IF V0 < 90 THEN DELETE;
IF V0 > 100 THEN DELETE;
IF BLDG = '247' THEN DELETE;
IF V1 = '20' THEN GMU235 = IQ;
IF V1 = '20' THEN GMU235 = 0;
TITLE 1985 AND NEWER WITHOUT NF;

8:50 FRIDAY, DECEMBER 13, 199

PROC SAS

MVS/XA JOB T5193JR# STEP S2

SAS(R) LOG 05 SAS 5.18

WARNING 620: OBSOLETE FORM OF STATEMENT OR TEXT82 OPTION INCORRECT.

NOTE: INFILE FT01F001 IS:
DSNAME=SYS91347.T080902.RA000.T5193JR#.DUM,
UNIT=DISK,VOL=SER=SCR182,DISP=OLD,
DCB=(BLKSIZE=4800,LRECL=120,RECFM=FB)

NOTE: 67829 LINES WERE READ FROM INFILE FT01F001.
NOTE: DATA SET WORK.ONE HAS 53198 OBSERVATIONS AND 22 VARIABLES. 332 OBS/TRK.
NOTE: THE DATA STATEMENT USED 7.66 SECONDS AND 436K.

16 PROC FREQ;
17 TABLES GMU235 / OUT = X;
NOTE: THE DATA SET WORK.X HAS 248 OBSERVATIONS AND 3 VARIABLES. 1676 OBS/TRK.
NOTE: THE PROCEDURE FREQ USED 1.21 SECONDS AND 684K AND PRINTED PAGES 1 TO 5.

18 PROC PRINT DATA = X;
NOTE: THE PROCEDURE PRINT USED 0.08 SECONDS AND 472K AND PRINTED PAGES 6 TO 10.
NOTE: SAS USED 684K MEMORY.

ERROR: ERRORS ON PAGES 1.

NOTE: SAS INSTITUTE INC.
SAS CIRCLE
PO BOX 8000
CARY, N.C. 27512-8000

1985 AND NEWER WITHOUT NF

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GMU235	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
0	52921	99.5	52921	99.5
0.001	10	0.0	52931	99.5
0.005	10	0.0	52941	99.5
0.05	1	0.0	52942	99.5
0.08	1	0.0	52943	99.5
0.14	1	0.0	52944	99.5
0.2	2	0.0	52946	99.5
0.26	1	0.0	52947	99.5
0.277	1	0.0	52948	99.5
0.34	1	0.0	52949	99.5
0.64	1	0.0	52950	99.5
0.66	1	0.0	52951	99.5
0.85	1	0.0	52952	99.5
0.86	1	0.0	52953	99.5
0.89	1	0.0	52954	99.5
0.91	1	0.0	52955	99.5
1.01	1	0.0	52956	99.5
1.2	1	0.0	52957	99.5
1.35	1	0.0	52958	99.5
1.44	1	0.0	52959	99.6
1.61	1	0.0	52960	99.6
1.7	1	0.0	52961	99.6
1.83	1	0.0	52962	99.6
1.99	1	0.0	52963	99.6
2.08	1	0.0	52964	99.6
2.27	1	0.0	52965	99.6
2.8	1	0.0	52966	99.6
3	1	0.0	52967	99.6
3.07	1	0.0	52968	99.6
3.12	1	0.0	52969	99.6
3.22	1	0.0	52970	99.6
3.51	2	0.0	52972	99.6
3.52	2	0.0	52974	99.6
3.67	1	0.0	52975	99.6
3.7	1	0.0	52976	99.6
3.79	1	0.0	52977	99.6
3.87	1	0.0	52978	99.6
4.16	2	0.0	52980	99.6
4.44	1	0.0	52981	99.6
4.66	1	0.0	52982	99.6
4.74	1	0.0	52983	99.6
4.85	1	0.0	52984	99.6
4.9	1	0.0	52985	99.6
4.92	1	0.0	52986	99.6
5.32	1	0.0	52987	99.6
5.4	1	0.0	52988	99.6
5.43	1	0.0	52989	99.6
5.51	1	0.0	52990	99.6
5.53	1	0.0	52991	99.6
5.88	1	0.0	52992	99.6
6.17	1	0.0	52993	99.6
6.3	1	0.0	52994	99.6
6.31	1	0.0	52995	99.6
6.53	1	0.0	52996	99.6
6.57	1	0.0	52997	99.6

1985 AND NEWER WITHOUT NF

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GMU235	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
6.61	1	0.0	52998	99.6
7.06	1	0.0	52999	99.6
7.13	1	0.0	53000	99.6
7.27	1	0.0	53001	99.6
7.36	2	0.0	53003	99.6
7.42	1	0.0	53004	99.6
7.6	1	0.0	53005	99.6
7.67	1	0.0	53006	99.6
7.79	1	0.0	53007	99.6
7.85	1	0.0	53008	99.6
7.86	1	0.0	53009	99.6
8.03	1	0.0	53010	99.6
8.21	1	0.0	53011	99.6
8.22	2	0.0	53013	99.7
8.23	1	0.0	53014	99.7
8.28	1	0.0	53015	99.7
8.33	1	0.0	53016	99.7
8.35	2	0.0	53018	99.7
8.44	1	0.0	53019	99.7
8.93	1	0.0	53020	99.7
8.97	1	0.0	53021	99.7
8.98	1	0.0	53022	99.7
9.09	1	0.0	53023	99.7
9.12	1	0.0	53024	99.7
9.21	1	0.0	53025	99.7
9.26	1	0.0	53026	99.7
9.28	1	0.0	53027	99.7
9.33	1	0.0	53028	99.7
9.36	1	0.0	53029	99.7
9.37	1	0.0	53030	99.7
9.52	1	0.0	53031	99.7
9.73	1	0.0	53032	99.7
10.05	1	0.0	53033	99.7
10.06	1	0.0	53034	99.7
10.1	1	0.0	53035	99.7
10.12	1	0.0	53036	99.7
10.25	1	0.0	53037	99.7
10.62	1	0.0	53038	99.7
10.79	1	0.0	53039	99.7
10.86	1	0.0	53040	99.7
11.13	1	0.0	53041	99.7
11.29	1	0.0	53042	99.7
11.37	1	0.0	53043	99.7
11.58	1	0.0	53044	99.7
11.43	1	0.0	53045	99.7
11.63	1	0.0	53046	99.7
11.65	1	0.0	53047	99.7
11.78	1	0.0	53048	99.7
11.9	1	0.0	53049	99.7
11.99	1	0.0	53050	99.7
12.08	1	0.0	53051	99.7
12.18	1	0.0	53052	99.7
12.39	1	0.0	53053	99.7
12.49	1	0.0	53054	99.7
12.68	2	0.0	53056	99.7

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GMU235	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
12.69	1	0.0	53057	99.7
12.7	1	0.0	53058	99.7
12.76	1	0.0	53059	99.7
12.83	1	0.0	53060	99.7
12.95	1	0.0	53061	99.7
12.98	1	0.0	53062	99.7
13.05	1	0.0	53063	99.7
13.07	1	0.0	53064	99.7
13.14	1	0.0	53065	99.7
13.31	1	0.0	53066	99.8
13.58	1	0.0	53067	99.8
13.61	1	0.0	53068	99.8
13.65	1	0.0	53069	99.8
13.71	1	0.0	53070	99.8
13.84	1	0.0	53071	99.8
14	1	0.0	53072	99.8
14.05	1	0.0	53073	99.8
14.13	1	0.0	53074	99.8
14.58	1	0.0	53075	99.8
14.61	1	0.0	53076	99.8
14.7	1	0.0	53077	99.8
14.75	1	0.0	53078	99.8
15.04	1	0.0	53079	99.8
15.74	1	0.0	53080	99.8
15.76	2	0.0	53082	99.8
15.9	1	0.0	53083	99.8
16.06	1	0.0	53084	99.8
16.08	1	0.0	53085	99.8
16.2	1	0.0	53086	99.8
16.39	1	0.0	53087	99.8
16.44	1	0.0	53088	99.8
16.62	1	0.0	53089	99.8
17.01	1	0.0	53090	99.8
17.07	1	0.0	53091	99.8
17.38	1	0.0	53092	99.8
17.6	1	0.0	53093	99.8
17.77	1	0.0	53094	99.8
18.08	1	0.0	53095	99.8
18.14	1	0.0	53096	99.8
18.41	2	0.0	53098	99.8
18.5	1	0.0	53099	99.8
18.51	1	0.0	53100	99.8
18.57	1	0.0	53101	99.8
18.64	1	0.0	53102	99.8
18.69	1	0.0	53103	99.8
18.92	1	0.0	53104	99.8
18.98	1	0.0	53105	99.8
19.28	1	0.0	53106	99.8
19.37	1	0.0	53107	99.8
19.4	1	0.0	53108	99.8
19.43	1	0.0	53109	99.8
19.5	1	0.0	53110	99.8
19.71	1	0.0	53111	99.8
19.89	1	0.0	53112	99.8
19.91	1	0.0	53113	99.8

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GMU235	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
19.95	1	0.0	53114	99.8
20.06	1	0.0	53115	99.8
20.28	2	0.0	53117	99.8
20.29	1	0.0	53118	99.8
20.34	1	0.0	53119	99.9
20.49	1	0.0	53120	99.9
20.63	1	0.0	53121	99.9
20.81	1	0.0	53122	99.9
21.28	1	0.0	53123	99.9
21.68	1	0.0	53124	99.9
21.94	2	0.0	53126	99.9
22.17	1	0.0	53127	99.9
22.78	1	0.0	53128	99.9
22.91	1	0.0	53129	99.9
22.96	1	0.0	53130	99.9
23.11	1	0.0	53131	99.9
23.32	1	0.0	53132	99.9
23.45	1	0.0	53133	99.9
24.24	1	0.0	53134	99.9
24.99	1	0.0	53135	99.9
25.17	1	0.0	53136	99.9
25.34	1	0.0	53137	99.9
25.45	1	0.0	53138	99.9
25.69	1	0.0	53139	99.9
25.72	1	0.0	53140	99.9
25.75	1	0.0	53141	99.9
26.28	1	0.0	53142	99.9
26.29	1	0.0	53143	99.9
26.55	1	0.0	53144	99.9
26.56	1	0.0	53145	99.9
26.63	1	0.0	53146	99.9
27.01	1	0.0	53147	99.9
27.09	1	0.0	53148	99.9
27.59	1	0.0	53149	99.9
27.66	1	0.0	53150	99.9
27.75	1	0.0	53151	99.9
27.94	1	0.0	53152	99.9
28.08	1	0.0	53153	99.9
28.42	1	0.0	53154	99.9
28.58	1	0.0	53155	99.9
28.73	1	0.0	53156	99.9
29.97	1	0.0	53157	99.9
30.06	1	0.0	53158	99.9
30.66	1	0.0	53159	99.9
30.85	1	0.0	53160	99.9
32.32	1	0.0	53161	99.9
32.31	1	0.0	53162	99.9
32.91	1	0.0	53163	99.9
33.35	1	0.0	53164	99.9
33.38	1	0.0	53165	99.9
33.64	1	0.0	53166	99.9
33.7	1	0.0	53167	99.9
34.11	1	0.0	53168	99.9
34.22	1	0.0	53169	99.9
34.44	1	0.0	53170	99.9

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GMU235	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
36.06	1	0.0	53171	99.9
36.1	1	0.0	53172	100.0
37.11	1	0.0	53173	100.0
38.35	1	0.0	53174	100.0
38.54	1	0.0	53175	100.0
38.9	1	0.0	53176	100.0
39.49	1	0.0	53177	100.0
40.66	1	0.0	53178	100.0
41.29	1	0.0	53179	100.0
42.63	1	0.0	53180	100.0
43.98	1	0.0	53181	100.0
44.24	1	0.0	53182	100.0
44.29	1	0.0	53183	100.0
44.41	1	0.0	53184	100.0
46.15	1	0.0	53185	100.0
46.54	1	0.0	53186	100.0
47.38	1	0.0	53187	100.0
48.08	1	0.0	53188	100.0
55.81	1	0.0	53189	100.0
56.02	1	0.0	53190	100.0
57.92	1	0.0	53191	100.0
59.13	1	0.0	53192	100.0
65.13	1	0.0	53193	100.0
67.15	1	0.0	53194	100.0
72.08	1	0.0	53195	100.0
94.38	1	0.0	53196	100.0
95.85	1	0.0	53197	100.0
98.33	1	0.0	53198	100.0

1985 AND NEWER WITHOUT NF

OBS GNU235 COUNT PERCENT

1	0.000	52921	99.4793
2	0.001	10	0.0188
3	0.005	10	0.0188
4	0.050	1	0.0019
5	0.080	1	0.0019
6	0.140	1	0.0019
7	0.200	2	0.0038
8	0.260	1	0.0019
9	0.277	1	0.0019
10	0.340	1	0.0019
11	0.640	1	0.0019
12	0.660	1	0.0019
13	0.850	1	0.0019
14	0.860	1	0.0019
15	0.890	1	0.0019
16	0.910	1	0.0019
17	1.010	1	0.0019
18	1.200	1	0.0019
19	1.350	1	0.0019
20	1.440	1	0.0019
21	1.610	1	0.0019
22	1.700	1	0.0019
23	1.830	1	0.0019
24	1.990	1	0.0019
25	2.080	1	0.0019
26	2.270	1	0.0019
27	2.800	1	0.0019
28	3.000	1	0.0019
29	3.070	1	0.0019
30	3.120	1	0.0019
31	3.220	1	0.0019
32	3.510	2	0.0038
33	3.520	2	0.0038
34	3.670	1	0.0019
35	3.700	1	0.0019
36	3.790	1	0.0019
37	3.870	1	0.0019
38	4.160	2	0.0038
39	4.440	1	0.0019
40	4.660	1	0.0019
41	4.740	1	0.0019
42	4.850	1	0.0019
43	4.900	1	0.0019
44	4.920	1	0.0019
45	5.320	1	0.0019
46	5.400	1	0.0019
47	5.430	1	0.0019
48	5.510	1	0.0019
49	5.530	1	0.0019
50	5.580	1	0.0019
51	6.170	1	0.0019
52	6.300	1	0.0019
53	6.310	1	0.0019
54	6.530	1	0.0019
55	6.570	1	0.0019

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OBS	GMU235	COUNT	PERCENT
56	6.61	1	0.00187977
57	7.06	1	0.00187977
58	7.13	1	0.00187977
59	7.27	1	0.00187977
60	7.36	2	0.00375954
61	7.42	1	0.00187977
62	7.60	1	0.00187977
63	7.67	1	0.00187977
64	7.79	1	0.00187977
65	7.85	1	0.00187977
66	7.86	1	0.00187977
67	8.03	1	0.00187977
68	8.21	1	0.00187977
69	8.22	2	0.00375954
70	8.23	1	0.00187977
71	8.28	1	0.00187977
72	8.33	1	0.00187977
73	8.35	2	0.00375954
74	8.44	1	0.00187977
75	8.93	1	0.00187977
76	8.97	1	0.00187977
77	8.98	1	0.00187977
78	9.09	1	0.00187977
79	9.12	1	0.00187977
80	9.21	1	0.00187977
81	9.26	1	0.00187977
82	9.28	1	0.00187977
83	9.33	1	0.00187977
84	9.36	1	0.00187977
85	9.37	1	0.00187977
86	9.52	1	0.00187977
87	9.73	1	0.00187977
88	10.05	1	0.00187977
89	10.06	1	0.00187977
90	10.10	1	0.00187977
91	10.12	1	0.00187977
92	10.25	1	0.00187977
93	10.62	1	0.00187977
94	10.79	1	0.00187977
95	10.86	1	0.00187977
96	11.13	1	0.00187977
97	11.29	1	0.00187977
98	11.37	1	0.00187977
99	11.38	1	0.00187977
100	11.43	1	0.00187977
101	11.63	1	0.00187977
102	11.65	1	0.00187977
103	11.78	1	0.00187977
104	11.90	1	0.00187977
105	11.99	1	0.00187977
106	12.08	1	0.00187977
107	12.18	1	0.00187977
108	12.39	1	0.00187977
109	12.49	1	0.00187977
110	12.68	2	0.00375954

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1985 AND NEWER WITHOUT NF		
OBS	GMU235 COUNT	PERCENT
111	12.69	0.00187977
112	12.70	0.00187977
113	12.76	0.00187977
114	12.83	0.00187977
115	12.95	0.00187977
116	12.98	0.00187977
117	13.05	0.00187977
118	13.07	0.00187977
119	13.14	0.00187977
120	13.31	0.00187977
121	13.58	0.00187977
122	13.61	0.00187977
123	13.65	0.00187977
124	13.71	0.00187977
125	13.84	0.00187977
126	14.00	0.00187977
127	14.05	0.00187977
128	14.13	0.00187977
129	14.58	0.00187977
130	14.61	0.00187977
131	14.70	0.00187977
132	14.75	0.00187977
133	15.04	0.00187977
134	15.74	0.00187977
135	15.76	0.00375954
136	15.90	0.00187977
137	16.06	0.00187977
138	16.08	0.00187977
139	16.20	0.00187977
140	16.39	0.00187977
141	16.44	0.00187977
142	16.62	0.00187977
143	17.01	0.00187977
144	17.07	0.00187977
145	17.38	0.00187977
146	17.60	0.00187977
147	17.77	0.00187977
148	18.08	0.00187977
149	18.14	0.00187977
150	18.41	0.00375954
151	18.50	0.00187977
152	18.51	0.00187977
153	18.57	0.00187977
154	18.64	0.00187977
155	18.69	0.00187977
156	18.92	0.00187977
157	18.98	0.00187977
158	19.28	0.00187977
159	19.37	0.00187977
160	19.40	0.00187977
161	19.43	0.00187977
162	19.50	0.00187977
163	19.71	0.00187977
164	19.89	0.00187977
165	19.91	0.00187977

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1985 AND NEWER WITHOUT NF

OBS	GMU235	COUNT	PERCENT
166	19.95	1	0.00187977
167	20.06	1	0.00187977
168	20.28	2	0.00375954
169	20.29	1	0.00187977
170	20.34	1	0.00187977
171	20.49	1	0.00187977
172	20.63	1	0.00187977
173	20.81	1	0.00187977
174	21.28	1	0.00187977
175	21.68	1	0.00187977
176	21.94	2	0.00375954
177	22.17	1	0.00187977
178	22.78	1	0.00187977
179	22.91	1	0.00187977
180	22.96	1	0.00187977
181	23.11	1	0.00187977
182	23.32	1	0.00187977
183	23.45	1	0.00187977
184	24.24	1	0.00187977
185	24.99	1	0.00187977
186	25.17	1	0.00187977
187	25.34	1	0.00187977
188	25.45	1	0.00187977
189	25.69	1	0.00187977
190	25.72	1	0.00187977
191	25.75	1	0.00187977
192	26.28	1	0.00187977
193	26.29	1	0.00187977
194	26.55	1	0.00187977
195	26.56	1	0.00187977
196	26.63	1	0.00187977
197	27.01	1	0.00187977
198	27.09	1	0.00187977
199	27.59	1	0.00187977
200	27.66	1	0.00187977
201	27.75	1	0.00187977
202	27.94	1	0.00187977
203	28.08	1	0.00187977
204	28.42	1	0.00187977
205	28.58	1	0.00187977
206	28.73	1	0.00187977
207	29.97	1	0.00187977
208	30.06	1	0.00187977
209	30.60	1	0.00187977
210	30.85	1	0.00187977
211	32.00	1	0.00187977
212	32.31	1	0.00187977
213	32.91	1	0.00187977
214	33.35	1	0.00187977
215	33.38	1	0.00187977
216	33.64	1	0.00187977
217	33.70	1	0.00187977
218	34.11	1	0.00187977
219	34.22	1	0.00187977
220	34.44	1	0.00187977

1985 AND NEWER WITHOUT NF

OBS GMU235 COUNT PERCENT

221	36.06	1	0.00187977
222	36.10	1	0.00187977
223	37.11	1	0.00187977
224	38.35	1	0.00187977
225	38.54	1	0.00187977
226	38.90	1	0.00187977
227	39.49	1	0.00187977
228	40.66	1	0.00187977
229	41.29	1	0.00187977
230	42.63	1	0.00187977
231	43.98	1	0.00187977
232	44.24	1	0.00187977
233	44.29	1	0.00187977
234	44.41	1	0.00187977
235	46.15	1	0.00187977
236	46.54	1	0.00187977
237	47.38	1	0.00187977
238	48.08	1	0.00187977
239	55.81	1	0.00187977
240	56.02	1	0.00187977
241	57.92	1	0.00187977
242	59.13	1	0.00187977
243	65.13	1	0.00187977
244	67.15	1	0.00187977
245	72.08	1	0.00187977
246	94.38	1	0.00187977
247	95.85	1	0.00187977
248	98.33	1	0.00187977

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