



OLIVER D. KINGSLEY, JR.
Vice President
Nuclear Operations

May 17, 1988

U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Attention: Document Control Desk

Gentlemen:

SUBJECT: Grand Gulf Nuclear Station
Unit 1
Docket No. 50-416
License No. NPF-29
GGNS Hourly Meteorological Data Tape
AECM-88/0107

- References: 1) Letter from L. L. Kintner to O. D. Kingsley, Jr.
dated May 3, 1988
2) Letter from O. D. Kingsley, Jr. to NRC, AECM-88/0004,
dated January 11, 1988

Enclosed is a computer tape of hourly meteorological data for Grand Gulf Nuclear Station. This tape includes data for twelve months, January 1987 through December 1987. A description of the tape format is attached (Enclosure 1). Note that this tape is formatted similar to the tape sent earlier by Reference 2 except that it is in EBCDIC format rather than ASCII. A sample tape dump printout is also enclosed (Enclosure 2).

Reference 1 requested that System Energy Resources, Inc. (SERI) again provide a computer tape of hourly meteorological data formatted in accordance with Appendix A of SRP Section 2.3.3. SERI previously provided this information in Reference 2. Appendix A of SRP Section 2.3.3 allowed the use of an alternate tape format as long as the tape format was described. The SERI tape which was provided did use an alternate format and a description of the format was attached to Reference 2.

Upon receipt of Reference 1, members of our staff contacted Mr. Joseph R. Levine of the NRC Staff. These discussions revealed that the description of the tape format had been misplaced and that the NRC had been attempting to read the tape incorrectly for its format. A description of the tape format was facsimiled to Mr. Levine. In a telephone call on May 5, 1988 Mr. Levine confirmed that the NRC was able to read the data and that it was unnecessary to transmit a replacement tape.

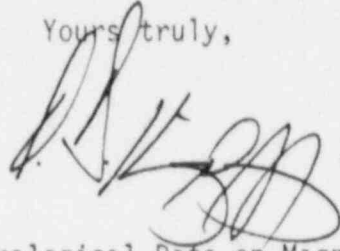
8805270208 880517
FDR ADOCK 05000416
F DCD

IE25
41

However, Mr. Levine called on May 9, 1988 and said that the Staff was able to read only a portion of the tape because it had been damaged. He requested that SERI send another tape at that time.

Please contact this office if you desire further information.

Yours truly,



ODK:bms

Enclosures: 1. Format for Hourly Meteorological Data on Magnetic Tape
2. Sample tape dump
3. Magnetic Computer Tape Containing Data for January 1987 to December 1987. (As directed by NRC Project Manager, L. L. Kintner, the computer tape is being sent directly to Joseph Levine.)

cc: Mr. T. H. Cloninger (w/1)
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Mr. Joseph Levine (w/1, 2 & 3)
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FORMAT FOR HOURLY METEOROLOGICAL DATA ON MAGNETIC TAPE

The tape begins with five EBCDIC records 160 characters long. Record one contains the plant name and location. Record two contains the beginning and ending dates of the data. Record three contains the height of the measurements.

The remainder of the tape consists of EBCDIC integer records in the format I6, I2, I3, I4, 29I5. All nines in any field indicate a lost record (99999). All sevens in a wind direction field indicate calm (77777). The record's data is as follows:

1	Blank
2	Year
3	Julian Day
4	Time
5	50 - The data following is for 50M
6	Wind Direction * 10
7	Wind Speed * 10
8	0
9	0
10	0
11	0
12	0
13	0
14	0
15	0
16	0
17	0
18	0
19	10 - The data following is for 10M
20	Wind Direction * 10
21	Wind Speed * 10
22	0
23	Temperature * 10
24	Dew Point * 10
25	0
26	Delta T * 10
27	0
28	0
29	Precipitation * 10
30	0
31	0
32	0
33	0

Units for the data are as follows:

Wind Direction	Degrees
Wind Speed	Meters per Second
Temperature	Degrees Centigrade
Dew Point	Degrees Centigrade
Delta Temperature	Degrees Centigrade per 100 meters
Precipitation	Millimeters

The tape is 9-track, 800 bpi, unblocked with no label written by a Fortran IV program.

087 121100	50 2315	37	10 2346	19	0	92	-50	0	-22	0
087 121200	50 2414	37	10 2413	28	0	90	-60	0	-23	0
087 121300	50 2367	38	10 2420	29	0	111	-55	0	-22	0
087 121400	50 2339	37	10 2385	28	0	117	-49	0	-19	0
087 121500	50 2367	40	10 2401	27	0	124	-46	0	-18	0
087 121600	50 2270	41	10 2359	26	0	119	-54	0	-12	0
087 121700	50 2241	31	10 1999	6	0	100	-51	0	8	0
087 121800	50 1949	36	10 1851	13	0	98	-47	0	4	0
087 121900	50 2028	39	10 1898	12	0	94	-49	0	5	0
087 122000	50 2017	44	10 1898	16	0	88	-53	0	5	0
087 122100	50 2041	41	10 1906	13	0	83	-49	0	5	0
087 122200	50 2010	38	10 1887	11	0	80	-41	0	5	0
087 122300	50 2013	40	10 1803	14	0	75	-39	0	11	0
087 13 0	50 2247	35	10 2013	8	0	71	-36	0	8	0
087 13 100	50 2204	31	10 2277	6	0	68	-28	0	4	0
087 13 200	50 2197	36	10 2102	5	0	61	-25	0	13	0
087 13 300	50 2182	32	10 1544	6	0	60	-17	0	8	0
087 13 400	50 2236	20	10 1037	5	0	55	-13	0	21	0
087 13 500	50 2140	32	10 1225	5	0	49	-11	0	25	0
087 13 600	50 1990	20	10 954	6	0	48	-6	0	32	0
087 13 700	50 1625	18	10 795	7	0	37	-8	0	69	0
087 13 800	50 1923	29	10 1001	7	0	49	-1	0	45	0
087 13 900	50 1869	12	10 1573	4	0	71	5	0	-8	0
087 131000	50 1557	9	10 1606	5	0	81	11	0	-9	0
087 131100	50 2262	18	10 2300	12	0	91	13	0	-12	0
087 131200	50 2461	20	10 2110	13	0	92	12	0	-12	0
087 131300	50 596	17	10 3574	6	0	93	15	0	-12	0
087 131400	50 1479	17	10 2423	11	0	101	16	0	-10	0
087 131500	50 1137	26	10 1452	14	0	105	22	0	-10	0
087 131600	50 1767	17	10 1921	5	0	105	27	0	-3	0
087 131700	50 2305	11	10 3010	5	0	97	27	0	0	0
087 131800	50 1376	16	10 975	4	0	92	28	0	14	0
087 131900	50 2139	14	10 1572	3	0	78	49	0	11	0
087 132000	50 2040	27	10 2202	5	0	76	53	0	13	0
087 132100	50 1624	25	10 1479	10	0	80	55	0	4	0
087 132200	50 1735	23	10 1601	7	0	77	59	0	12	0
087 132300	50 1602	31	10 882	9	0	77	60	0	13	0
087 14 0	50 1341	36	10 954	11	0	78	53	0	10	0
087 14 100	50 1275	30	10 1044	10	0	76	61	0	12	0
087 14 200	50 1763	17	10 1047	5	0	77	59	0	5	0
087 14 300	50 1794	23	10 1593	5	0	74	55	0	4	0
087 14 400	50 1610	33	10 1576	16	0	86	43	0	-1	0
087 14 500	50 1471	36	10 1341	14	0	83	49	0	0	0
087 14 600	50 1444	38	10 1349	10	0	79	57	0	1	0
087 14 700	50 1298	36	10 2140	11	0	79	56	0	1	0
087 14 800	50 1498	33	10 1853	16	0	82	60	0	3	0
087 14 900	50 1383	39	10 1472	18	0	84	64	0	3	0
087 141000	50 1305	36	10 940	17	0	90	73	0	3	0
087 141100	50 1479	30	10 1667	19	0	94	75	0	1	0
087 141200	50 1623	36	10 1755	25	0	98	76	0	6	0
087 141300	50 1305	36	10 1493	15	0	99	80	0	11	0
087 141400	50 1203	41	10 991	19	0	101	80	0	5	0
087 141500	50 1139	46	10 3133	19	0	100	83	0	15	0
087 141600	50 1384	26	10 1874	13	0	101	84	0	5	0
087 141700	50 1236	25	10 1010	5	0	101	80	0	0	0
087 141800	50 1114	30	10 3391	8	0	98	77	0	2	0
087 141900	50 1070	33	10 3393	9	0	97	76	0	11	0
087 142000	50 1050	32	10 2760	18	0	95	78	0	19	0
087 142100	50 1150	50	10 2560	27	0	95	85	0	28	0
087 142200	50 1130	54	10 3000	13	0	95	80	0	25	0

087 421100	50 2112	47	0	0	0	0	0	0	0	0	0	0	0	0	10 2145	35	0	181	81	0	-17	0
087 421200	50 2355	44	0	0	0	0	0	0	0	0	0	0	0	0	10 2194	29	0	195	83	0	-20	0
087 421300	50 2397	63	0	0	0	0	0	0	0	0	0	0	0	0	10 2472	32	0	193	80	0	-17	0
087 421400	50 2348	56	0	0	0	0	0	0	0	0	0	0	0	0	10 2477	40	0	207	89	0	-22	0
087 421500	50 2256	62	0	0	0	0	0	0	0	0	0	0	0	0	10 2357	43	0	205	95	0	-18	0
087 421600	50 2243	55	0	0	0	0	0	0	0	0	0	0	0	0	10 2349	36	0	205	92	0	-14	0
087 421700	50 2139	42	0	0	0	0	0	0	0	0	0	0	0	0	10 2197	23	0	195	92	0	-3	0
087 421800	50 2021	37	0	0	0	0	0	0	0	0	0	0	0	0	10 1993	15	0	186	91	0	1	0
087 421900	50 1869	39	0	0	0	0	0	0	0	0	0	0	0	0	10 1797	16	0	181	90	0	4	0
087 422000	50 1927	46	0	0	0	0	0	0	0	0	0	0	0	0	10 1960	22	0	174	92	0	3	0
087 422100	50 2018	48	0	0	0	0	0	0	0	0	0	0	0	0	10 2048	23	0	166	94	0	1	0
087 422200	50 2108	49	0	0	0	0	0	0	0	0	0	0	0	0	10 2211	25	0	150	98	0	1	0
087 422300	50 2160	45	0	0	0	0	0	0	0	0	0	0	0	0	10 2271	25	0	152	102	0	0	0
087 43 0	50 2335	47	0	0	0	0	0	0	0	0	0	0	0	0	10 2384	29	0	144	101	0	2	0
087 43 100	50 2274	47	0	0	0	0	0	0	0	0	0	0	0	0	10 2411	23	0	137	101	0	3	0
087 43 200	50 2313	52	0	0	0	0	0	0	0	0	0	0	0	0	10 2443	25	0	135	100	0	2	0
087 43 300	50 2296	48	0	0	0	0	0	0	0	0	0	0	0	0	10 2408	25	0	129	100	0	2	0
087 43 400	50 2300	48	0	0	0	0	0	0	0	0	0	0	0	0	10 2434	24	0	128	101	0	3	0
087 43 500	50 2332	42	0	0	0	0	0	0	0	0	0	0	0	0	10 2410	19	0	124	103	0	12	0
087 43 600	50 2321	36	0	0	0	0	0	0	0	0	0	0	0	0	10 1396	13	0	119	102	0	27	0
087 43 700	50 2316	36	0	0	0	0	0	0	0	0	0	0	0	0	10 2381	17	0	122	105	0	19	0
087 43 800	50 2393	35	0	0	0	0	0	0	0	0	0	0	0	0	10 2458	20	0	134	111	0	-1	0
087 43 900	50 2452	27	0	0	0	0	0	0	0	0	0	0	0	0	10 2447	18	0	147	117	0	-8	0
087 431000	50 2661	28	0	0	0	0	0	0	0	0	0	0	0	0	10 2726	15	0	166	124	0	-13	0
087 431100	50 2634	31	0	0	0	0	0	0	0	0	0	0	0	0	10 2271	19	0	185	130	0	-17	0
087 431200	50 2659	25	0	0	0	0	0	0	0	0	0	0	0	0	10 2697	18	0	204	130	0	-16	0
087 431300	50 2832	23	0	0	0	0	0	0	0	0	0	0	0	0	10 2463	17	0	216	123	0	-15	0
087 431400	50 3204	25	0	0	0	0	0	0	0	0	0	0	0	0	10 3293	18	0	218	119	0	-13	0
087 431500	50 3351	29	0	0	0	0	0	0	0	0	0	0	0	0	10 3002	22	0	218	113	0	-13	0
087 431600	50 3344	22	0	0	0	0	0	0	0	0	0	0	0	0	10 3373	16	0	217	113	0	-12	0
087 431700	50 3417	20	0	0	0	0	0	0	0	0	0	0	0	0	10 3454	11	0	209	113	0	-6	0
087 431800	50 3546	22	0	0	0	0	0	0	0	0	0	0	0	0	10 271	3	0	191	113	0	23	0
087 431900	50 209	25	0	0	0	0	0	0	0	0	0	0	0	0	10 469	2	0	182	113	0	36	0
087 432000	50 381	22	0	0	0	0	0	0	0	0	0	0	0	0	10 818	7	0	171	114	0	50	0
087 432100	50 423	20	0	0	0	0	0	0	0	0	0	0	0	0	10 693	4	0	158	113	0	82	0
087 432200	50 686	18	0	0	0	0	0	0	0	0	0	0	0	0	10 91	2	0	149	113	0	93	0
087 432300	50 751	27	0	0	0	0	0	0	0	0	0	0	0	0	10 907	2	0	139	111	0	97	0
087 44 0	50 767	25	0	0	0	0	0	0	0	0	0	0	0	0	10 1006	2	0	135	112	0	94	0
087 44 100	50 927	29	0	0	0	0	0	0	0	0	0	0	0	0	10 905	2	0	127	109	0	104	0
087 44 200	50 983	37	0	0	0	0	0	0	0	0	0	0	0	0	10 951	6	0	126	107	0	98	0
087 44 300	50 1080	40	0	0	0	0	0	0	0	0	0	0	0	0	10 1068	11	0	117	102	0	96	0
087 44 400	50 1106	45	0	0	0	0	0	0	0	0	0	0	0	0	10 715	14	0	119	101	0	91	0
087 44 500	50 1189	51	0	0	0	0	0	0	0	0	0	0	0	0	10 1078	12	0	115	99	0	94	0
087 44 600	50 1160	52	0	0	0	0	0	0	0	0	0	0	0	0	10 1163	12	0	108	93	0	79	0
087 44 700	50 1176	47	0	0	0	0	0	0	0	0	0	0	0	0	10 596	8	0	100	85	0	43	0
087 44 800	50 1242	42	0	0	0	0	0	0	0	0	0	0	0	0	10 2531	6	0	121	81	0	14	0
087 44 900	50 1180	33	0	0	0	0	0	0	0	0	0	0	0	0	10 1660	16	0	155	62	0	-11	0
087 441000	50 1227	31	0	0	0	0	0	0	0	0	0	0	0	0	10 397	20	0	162	58	0	-15	0
087 441100	50 1317	24	0	0	0	0	0	0	0	0	0	0	0	0	10 1401	16	0	207	69	0	-17	0
087 441200	50 1867	19	0	0	0	0	0	0	0	0	0	0	0	0	10 1417	14	0	222	83	0	-14	0
087 441300	50 2490	29	0	0	0	0	0	0	0	0	0	0	0	0	10 2501	19	0	229	86	0	-15	0
087 441400	50 2511	28	0	0	0	0	0	0	0	0	0	0	0	0	10 2560	20	0	235	90	0	-14	0
087 441500	50 2431	33	0	0	0	0	0	0	0	0	0	0	0	0	10 2427	22	0	229	97	0	-14	0
087 441600	50 2412	33	0	0	0	0	0	0	0	0	0	0	0	0	10 2455	22	0	227	100	0	-13	0
087 441700	50 2308	34	0	0	0	0	0	0	0	0	0	0	0	0	10 2378	20	0	217	103	0	-5	0
087 441800	50 2269	35	0	0	0	0	0	0	0	0	0	0	0	0	10 2365	13	0	203	105	0	0	0
087 441900	50 2172	35	0	0	0	0	0	0	0	0	0	0	0	0	10 2315	13	0	197	109	0	2	0
087 442000	50 2041	36	0	0	0	0	0	0	0	0	0	0	0	0	10 1982	11	0	193	112	0	3	0
087 442100	50 2053	42	0	0	0	0	0	0	0	0	0	0	0	0	10 2091	19	0	188	114	0	0	0
087 442200	50 2009	37	0	0	0	0	0	0	0	0	0	0	0	0	10 1998	19	0	186	115	0	-1	0

087 471100	50 3106	41	0	0	0	0	0	0	0	0	0	0	0	0	10 3202	23	0	73	40	0	-6	0
087 471200	50 3109	25	0	0	0	0	0	0	0	0	0	0	0	0	10 3209	15	0	76	36	0	-9	0
087 471300	50 3297	35	0	0	0	0	0	0	0	0	0	0	0	0	10 3382	23	0	77	32	0	-10	0
087 471400	50 3327	44	0	0	0	0	0	0	0	0	0	0	0	0	10 3446	28	0	77	28	0	-11	0
087 471500	50 3347	36	0	0	0	0	0	0	0	0	0	0	0	0	10 3459	24	0	75	26	0	-11	0
087 471600	50 3331	33	0	0	0	0	0	0	0	0	0	0	0	0	10 3419	20	0	74	25	0	-10	0
087 471700	50 3490	29	0	0	0	0	0	0	0	0	0	0	0	0	10 3575	19	0	69	27	0	-9	0
087 471800	50 3562	31	0	0	0	0	0	0	0	0	0	0	0	0	10 24	21	0	63	25	0	-8	0
087 471900	50 3336	32	0	0	0	0	0	0	0	0	0	0	0	0	10 3434	20	0	58	22	0	-8	0
087 472000	50 3315	33	0	0	0	0	0	0	0	0	0	0	0	0	10 3412	20	0	54	18	0	-7	0
087 472100	50 3539	24	0	0	0	0	0	0	0	0	0	0	0	0	10 76	16	0	52	16	0	-7	0
087 472200	50 63	26	0	0	0	0	0	0	0	0	0	0	0	0	10 86	16	0	49	16	0	-7	0
087 472300	50 13	23	0	0	0	0	0	0	0	0	0	0	0	0	10 66	15	0	47	14	0	-7	0
087 48 0	50 3487	27	0	0	0	0	0	0	0	0	0	0	0	0	10 3559	18	0	45	10	0	-8	0
087 48 100	50 3424	26	0	0	0	0	0	0	0	0	0	0	0	0	10 3516	17	0	44	4	0	-8	0
087 48 200	50 3594	20	0	0	0	0	0	0	0	0	0	0	0	0	10 83	14	0	43	8	0	-8	0
087 48 300	50 3495	17	0	0	0	0	0	0	0	0	0	0	0	0	10 3544	11	0	42	6	0	-8	0
087 48 400	50 3200	24	0	0	0	0	0	0	0	0	0	0	0	0	10 3361	13	0	41	6	0	-8	0
087 48 500	50 3245	21	0	0	0	0	0	0	0	0	0	0	0	0	10 3266	12	0	40	5	0	-8	0
087 48 600	50 3303	23	0	0	0	0	0	0	0	0	0	0	0	0	10 3399	14	0	39	7	0	-7	0
087 48 700	50 3369	24	0	0	0	0	0	0	0	0	0	0	0	0	10 3448	15	0	38	3	0	-6	0
087 48 800	50 3394	22	0	0	0	0	0	0	0	0	0	0	0	0	10 3439	16	0	40	2	0	-10	0
087 48 900	50 3443	18	0	0	0	0	0	0	0	0	0	0	0	0	10 72	14	0	44	3	0	-10	0
087 481000	50 3156	13	0	0	0	0	0	0	0	0	0	0	0	0	10 3362	10	0	46	2	0	-9	0
087 481100	50 3309	17	0	0	0	0	0	0	0	0	0	0	0	0	10 3416	13	0	51	1	0	-11	0
087 481200	50 3328	15	0	0	0	0	0	0	0	0	0	0	0	0	10 3379	12	0	53	3	0	-11	0
087 481300	50 3160	16	0	0	0	0	0	0	0	0	0	0	0	0	10 3295	14	0	54	5	0	-9	0
087 481400	50 3310	18	0	0	0	0	0	0	0	0	0	0	0	0	10 3340	13	0	54	6	0	-11	0
087 481500	50 3229	14	0	0	0	0	0	0	0	0	0	0	0	0	10 3292	11	0	54	8	0	-10	0
087 481600	50 2949	13	0	0	0	0	0	0	0	0	0	0	0	0	10 3010	10	0	58	11	0	-11	0
087 481700	50 3108	21	0	0	0	0	0	0	0	0	0	0	0	0	10 3176	14	0	51	17	0	-8	0
087 481800	50 3222	25	0	0	0	0	0	0	0	0	0	0	0	0	10 3328	14	0	43	26	0	4	0
087 481900	50 3043	27	0	0	0	0	0	0	0	0	0	0	0	0	10 3155	13	0	42	29	0	21	0
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087 852200	50	98	28	10	3589	5	0	148	80	0	20
087 852300	50	3373	20	10	1321	2	0	137	84	0	21
087 86 0	50	3427	28	10	131	7	0	129	89	0	27
087 86 100	50	47	27	10	382	6	0	128	86	0	8
087 86 200	50	145	24	10	470	4	0	124	84	0	11
087 86 300	50	3422	23	10	2745	3	0	118	86	0	0
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087 862000	50	213	37	10	387	12	0	173	84	0	30
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087 87 300	50	775	43	10	740	11	0	116	77	0	143
087 87 400	50	772	38	10	1232	11	0	95	71	0	118
087 87 500	50	753	48	10	891	11	0	98	73	0	130
087 87 600	50	799	51	10	931	10	0	99	74	0	122
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087172 800	50	2156	23	10	2191	14	253	233	0	-13	0
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0872241900	50	1520	13	0	0	0	0	0	0	0	0	0	0	0	10	1038	5	0	263	257	0	18	0
0872242000	50	1954	29	0	0	0	0	0	0	0	0	0	0	0	10	1654	7	0	262	254	0	15	0
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0672471100	50	3420	12	10	3142	293	170	-10	0
0672471200	50	3401	19	10	3128	0	169	-10	0
0672471300	50	919	29	10	774	0	314	-10	0
0672471400	50	926	24	10	316	0	150	-10	0
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0672471800	50	404	18	10	310	0	177	0	0
0672471900	50	296	25	10	537	0	177	0	0
0672472000	50	275	27	10	590	0	167	0	0
0672472100	50	480	21	10	692	0	179	0	0
0672472200	50	606	35	10	603	0	181	0	0
0672472300	50	875	44	10	1192	0	181	0	0
067248	0	50	993	11	590	0	189	0	0
067248 100	50	1114	31	10	618	0	185	0	0
067248 200	50	1100	33	10	619	0	183	0	0
067248 300	50	1077	30	10	764	0	183	0	0
067248 400	50	1040	38	10	377	0	182	0	0
067248 500	50	1029	41	10	656	0	199	0	0
067248 600	50	1082	36	10	454	0	182	0	0
067248 700	50	669	51	10	863	0	180	0	0
067248 800	50	975	37	10	660	0	180	0	0
067248 900	50	1129	15	10	428	0	185	0	0
0672481000	50	1288	16	10	1148	0	186	0	0
0672481100	50	1450	12	10	923	0	186	0	0
0672481200	50	3047	19	10	3135	0	178	0	0
0672481300	50	3329	24	10	3222	0	171	0	0
0672481400	50	3444	25	10	3480	0	171	0	0
0672481500	50	3483	25	10	3457	0	166	0	0
0672481600	50	37	25	10	32	0	171	0	0
0672481700	50	470	19	10	384	0	180	0	0
0672481800	50	790	16	10	795	0	194	0	0
0672481900	50	547	12	10	543	0	205	0	0
0672482000	50	3226	8	10	551	0	203	0	0
0672482100	50	3310	11	10	597	0	229	0	0
0672482200	50	3580	14	10	594	0	222	0	0
0672482300	50	459	30	10	737	0	189	0	0
067249	0	50	925	39	612	0	224	0	0
067249 100	50	1126	36	10	584	0	192	0	0
067249 200	50	1309	31	10	1024	0	191	0	0
067249 300	50	1461	26	10	1277	0	190	0	0
067249 400	50	1346	28	10	1109	0	202	0	0
067249 500	50	1618	20	10	560	0	186	0	0
067249 600	50	1450	14	10	738	0	185	0	0
067249 700	50	1065	18	10	712	0	184	0	0
067249 800	50	971	21	10	409	0	191	0	0
067249 900	50	1032	7	10	1177	0	200	0	0
0672491000	50	2895	9	10	2509	0	204	0	0
0672491100	50	3234	19	10	3162	0	198	0	0
0672491200	50	3265	24	10	3280	0	297	0	0
0672491300	50	3453	27	10	3543	0	304	0	0
0672491400	50	67	35	10	93	0	309	0	0
0672491500	50	299	37	10	138	0	308	0	0
0672491600	50	586	30	10	578	0	184	0	0
0672491700	50	238	19	10	253	0	187	0	0
0672491800	50	151	15	10	492	0	196	0	0
0672491900	50	440	13	10	610	0	206	0	0
0672492000	50	882	14	10	566	0	239	0	0
0672492100	50	1167	10	10	569	0	232	0	0
0672492200	50	945	35	10	701	0	234	0	0

0872492300	50	1159	34	10	677	11	0	234	205	0	37	0
087250	50	1100	26	10	853	5	0	225	205	0	47	0
087250 100	50	1365	24	10	604	3	0	214	203	0	74	0
087250 200	50	1486	20	10	451	4	0	207	201	0	83	0
087250 300	50	1634	9	10	549	6	0	205	200	0	56	0
087250 400	50	1141	13	10	912	2	0	200	197	0	0	0
087250 500	50	1131	15	10	714	6	0	198	195	0	58	0
087250 600	50	752	12	10	497	5	0	195	193	0	55	0
087250 700	50	1440	7	10	568	4	0	195	194	0	55	0
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087250 900	50	1798	7	10	1924	6	0	241	209	0	0	0
0872501000	50	2913	9	10	2660	8	0	269	208	0	0	0
0872501100	50	2539	14	10	2408	12	0	289	207	0	0	0
0872501200	50	3097	15	10	3172	12	0	303	199	0	0	0
0872501300	50	3052	18	10	2933	15	0	315	188	0	0	0
0872501400	50	3164	21	10	3266	16	0	318	177	0	0	0
0872501500	50	2729	15	10	2723	13	0	320	176	0	0	0
0872501600	50	3474	20	10	3417	14	0	319	170	0	0	0
0872501700	50	250	18	10	312	11	0	312	179	0	0	0
0872501800	50	921	10	10	460	2	0	294	197	0	23	0
0872501900	50	1572	20	10	780	5	0	287	206	0	72	0
0872502000	50	1813	20	10	650	6	0	250	208	0	0	0
0872502100	50	1949	15	10	640	7	0	242	211	0	88	0
0872502200	50	1774	21	10	1063	6	0	237	211	0	88	0
0872502300	50	1920	23	10	759	3	0	232	209	0	82	0
087251	50	2201	21	10	425	3	0	226	211	0	60	0
087251 100	50	2219	21	10	932	3	0	225	209	0	51	0
087251 200	50	2308	25	10	1796	1	0	230	203	0	24	0
087251 300	50	2263	25	10	2000	5	0	229	203	0	9	0
087251 400	50	2494	19	10	2413	3	0	224	205	0	19	0
087251 500	50	2412	16	10	1376	5	0	220	206	0	17	0
087251 600	50	2505	21	10	2376	4	0	222	204	0	0	0
087251 700	50	2578	17	10	2323	5	0	223	201	0	0	0
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0872511000	50	2375	13	10	2679	10	0	260	213	0	0	0
0872511100	50	2709	13	10	2705	11	0	284	214	0	0	0
0872511200	50	3082	14	10	2705	12	0	297	216	0	0	0
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0872511500	50	2476	28	10	2391	15	0	281	216	0	0	0
0872511600	50	3473	52	10	3542	31	0	254	183	0	0	0
0872511700	50	310	22	10	506	12	0	261	187	0	4	0
0872511800	50	1203	17	10	1090	6	0	263	195	0	3	0
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0872512000	50	1376	33	10	1126	7	0	243	203	0	41	0
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0872512200	50	2000	17	10	394	5	0	223	213	0	35	0
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087252	50	1427	12	10	621	3	0	219	208	0	53	0
087252 100	50	2129	13	10	693	2	0	218	207	0	44	0
087252 200	50	1977	17	10	617	3	0	217	206	0	52	0
087252 300	50	2100	18	10	972	3	0	214	206	0	61	0
087252 400	50	2439	10	10	444	3	0	209	197	0	49	0
087252 500	50	1760	15	10	779	5	0	205	197	0	62	0
087252 600	50	2744	16	10	423	6	0	203	190	0	43	0
087252 700	50	3584	26	10	382	7	0	221	204	0	20	0
087252 800	50	474	14	10	1191	3	0	217	203	0	0	0
087252 900	50	1046	16	10	711	8	0	240	210	0	0	0
0872521000	50	3597	13	10	349	10	0	260	214	0	0	0

0872542300	50	1189	16	0	0	0	0	0	0	0	0	0	0	0	10	676	6	0	224	227	0	5	0
087255 0	50	554	7	0	0	0	0	0	0	0	0	0	0	0	10	243	7	0	218	221	0	3	0
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0872551900	50	1493	20	0	0	0	0	0	0	0	0	0	0	0	10	992	9	0	272	203	0	5	0
0872552000	50	1552	17	0	0	0	0	0	0	0	0	0	0	0	10	985	4	0	259	205	0	16	0
0872552100	50	1605	22	0	0	0	0	0	0	0	0	0	0	0	10	460	5	0	250	205	0	38	0
0872552200	50	1621	24	0	0	0	0	0	0	0	0	0	0	0	10	828	5	0	234	204	0	77	0
0872552300	50	1765	32	0	0	0	0	0	0	0	0	0	0	0	10	1671	8	0	236	206	0	36	0
087256 0	50	2188	38	0	0	0	0	0	0	0	0	0	0	0	10	1968	12	0	232	205	0	3	0
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0872562100	50	1969	8	0	0	0	0	0	0	0	0	0	0	0	10	637	5	0	228	212	0	78	0
0872562200	50	2097	13	0	0	0	0	0	0	0	0	0	0	0	10	715	4	0	226	210	0	58	0
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0873301900	50	3523	28	0	0	0	0	0	0	0	0	0	0	0	10	11	19	0	135	120	0	-11	0
0873302000	50	3343	19	0	0	0	0	0	0	0	0	0	0	0	10	3403	13	0	132	120	0	-12	0
0873302100	50	3238	21	0	0	0	0	0	0	0	0	0	0	0	10	3373	14	0	128	118	0	-13	0
0873302200	50	3253	19	0	0	0	0	0	0	0	0	0	0	0	10	3424	13	0	124	116	0	-12	0
0873302300	50	3354	20	0	0	0	0	0	0	0	0	0	0	0	10	3440	14	0	122	116	0	-12	0
087331 0	50	3276	24	0	0	0	0	0	0	0	0	0	0	0	10	3363	14	0	119	114	0	-12	0
087331 100	50	3280	25	0	0	0	0	0	0	0	0	0	0	0	10	3319	15	0	118	113	0	-11	0
087331 200	50	3178	19	0	0	0	0	0	0	0	0	0	0	0	10	3359	11	0	116	112	0	-11	0
087331 300	50	3194	21	0	0	0	0	0	0	0	0	0	0	0	10	3309	12	0	115	111	0	-11	0
087331 400	50	3157	22	0	0	0	0	0	0	0	0	0	0	0	10	3279	12	0	113	109	0	-10	0
087331 500	50	3267	20	0	0	0	0	0	0	0	0	0	0	0	10	3409	12	0	113	110	0	-11	0
087331 600	50	3587	14	0	0	0	0	0	0	0	0	0	0	0	10	76	9	0	113	110	0	-13	0
087331 700	50	382	13	0	0	0	0	0	0	0	0	0	0	0	10	397	7	0	113	110	0	-12	0
087331 800	50	75	11	0	0	0	0	0	0	0	0	0	0	0	10	106	8	0	114	111	0	-13	0
087331 900	50	3263	15	0	0	0	0	0	0	0	0	0	0	0	10	3343	11	0	116	113	0	-13	0
0873311000	50	3110	29	0	0	0	0	0	0	0	0	0	0	0	10	3273	16	0	119	115	0	-15	0
0873311100	50	3399	25	0	0	0	0	0	0	0	0	0	0	0	10	3490	18	0	119	116	0	-13	0
0873311200	50	3364	34	0	0	0	0	0	0	0	0	0	0	0	10	3468	21	0	117	112	0	-14	0
0873311300	50	3475	26	0	0	0	0	0	0	0	0	0	0	0	10	3510	16	0	115	111	0	-14	0
0873311400	50	3104	18	0	0	0	0	0	0	0	0	0	0	0	10	3202	11	0	115	112	0	-14	0
0873311500	50	3435	22	0	0	0	0	0	0	0	0	0	0	0	10	3538	14	0	116	111	0	-16	0
0873311600	50	3136	17	0	0	0	0	0	0	0	0	0	0	0	10	3122	9	0	117	114	0	-14	0
0873311700	50	3009	18	0	0	0	0	0	0	0	0	0	0	0	10	3035	10	0	115	112	0	-14	0
0873311800	50	3067	23	0	0	0	0	0	0	0	0	0	0	0	10	3196	11	0	113	108	0	-15	0
0873311900	50	2924	36	0	0	0	0	0	0	0	0	0	0	0	10	3112	18	0	112	106	0	-19	0
0873312000	50	3151	32	0	0	0	0	0	0	0	0	0	0	0	10	3599	15	0	111	105	0	-19	0
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0873312200	50	2895	22	0	0	0	0	0	0	0	0	0	0	0	10	2940	11	0	112	107	0	-19	0
0873312300	50	2695	35	0	0	0	0	0	0	0	0	0	0	0	10	3002	15	0	109	104	0	-19	0
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087332 100	50	2832	40	0	0	0	0	0	0	0	0	0	0	0	10	2924	18	0	104	101	0	-15	0
087332 200	50	2796	53	0	0	0	0	0	0	0	0	0	0	0	10	2886	24	0	96	91	0	-11	0
087332 300	50	2846	47	0	0	0	0	0	0	0	0	0	0	0	10	2968	21	0	87	77	0	-9	0
087332 400	50	2736	40	0	0	0	0	0	0	0	0	0	0	0	10	2802	16	0	85	75	0	-9	0
087332 500	50	2750	47	0	0	0	0	0	0	0	0	0	0	0	10	3109	20	0	75	59	0	-7	0
087332 600	50	2772	34	0	0	0	0	0	0	0	0	0	0	0	10	2868	14	0	64	47	0	-4	0
087332 700	50	2690	39	0	0	0	0	0	0	0	0	0	0	0	10	2845	15	0	57	36	0	0	0
087332 800	50	2742	38	0	0	0	0	0	0	0	0	0	0	0	10	2886	16	0	65	32	0	-9	0
087332 900	50	2784	44	0	0	0	0	0	0	0	0	0	0	0	10	2900	22	0	77	26	0	-22	0

