

	UTM_SIRGAS2000_20S		SIRGAS2000	
PIQUETES	X_UTM	Y_UTM	X	Y
TN_0	817833,7655	9805927,111	-60,14357	-1,75364
0	817831,3463	9805936,814	-60,14359	-1,75355
10	817830,1276	9805946,739	-60,1436	-1,75346
20	817827,3712	9805956,352	-60,14363	-1,75337
30	817821,7793	9805964,642	-60,14368	-1,7533
40	817812,0763	9805967,062	-60,14376	-1,75328
50	817802,3734	9805969,481	-60,14385	-1,75326
60	817793,6272	9805974,329	-60,14393	-1,75321
70	817785,3368	9805979,921	-60,144	-1,75316
80	817777,9053	9805986,612	-60,14407	-1,7531
90	817771,7487	9805994,492	-60,14413	-1,75303
100	817769,3295	9806004,195	-60,14415	-1,75294
110	817768,1108	9806014,121	-60,14416	-1,75285
120	817766,2027	9806023,937	-60,14418	-1,75276
130	817764,1236	9806033,718	-60,1442	-1,75268
140	817761,3672	9806043,331	-60,14422	-1,75259
150	817755,9209	9806051,718	-60,14427	-1,75251
160	817749,3603	9806059,265	-60,14433	-1,75244
170	817744,3603	9806067,925	-60,14437	-1,75237
180	817739,6655	9806076,755	-60,14442	-1,75229
190	817740,1889	9806086,741	-60,14441	-1,7522
200	817742,268	9806096,522	-60,14439	-1,75211
210	817750,3582	9806102,4	-60,14432	-1,75206
220	817759,2683	9806106,94	-60,14424	-1,75201
230	817767,8399	9806112,091	-60,14416	-1,75197
240	817776,4116	9806117,241	-60,14409	-1,75192
250	817784,2917	9806123,398	-60,14402	-1,75186
TN_500	818303,6118	9806098,121	-60,13935	-1,75209
0	818306,702	9806088,61	-60,13932	-1,75217
10	818310,2856	9806079,275	-60,13929	-1,75226
20	818311,5043	9806069,349	-60,13928	-1,75235
30	818314,76	9806059,894	-60,13925	-1,75243
40	818323,5895	9806055,199	-60,13917	-1,75247
50	818331,4696	9806049,043	-60,1391	-1,75253
60	818339,8563	9806043,596	-60,13903	-1,75258
70	818349,6726	9806041,688	-60,13894	-1,7526
80	818359,5207	9806039,952	-60,13885	-1,75261
90	818369,4233	9806041,343	-60,13876	-1,7526
100	818378,8785	9806038,088	-60,13868	-1,75263
110	818387,2652	9806032,641	-60,1386	-1,75268
120	818396,0534	9806027,87	-60,13852	-1,75272
130	818405,9015	9806029,606	-60,13843	-1,7527
140	818414,8115	9806034,146	-60,13835	-1,75266
150	818424,5552	9806036,396	-60,13826	-1,75264
160	818433,8271	9806032,65	-60,13818	-1,75268
170	818443,8256	9806032,824	-60,13809	-1,75267
180	818453,6418	9806030,916	-60,138	-1,75269
190	818462,7049	9806035,142	-60,13792	-1,75265
200	818472,4679	9806037,307	-60,13783	-1,75263
210	818482,1708	9806039,726	-60,13775	-1,75261
220	818491,3759	9806043,633	-60,13766	-1,75258
230	818501,2528	9806045,197	-60,13758	-1,75256
240	818511,1008	9806046,934	-60,13749	-1,75255
250	818519,847	9806051,782	-60,13741	-1,7525
TN_1000	818773,4581	9806269,131	-60,13514	-1,75053
0	818769,712	9806278,403	-60,13517	-1,75045
10	818768,2925	9806288,504	-60,13518	-1,75036
20	818761,8067	9806295,459	-60,13524	-1,7503
30	818753,7708	9806301,086	-60,13531	-1,75025
40	818747,234	9806307,855	-60,13537	-1,75018
50	818740,5427	9806315,286	-60,13543	-1,75012
60	818733,3421	9806322,239	-60,1355	-1,75006
70	818725,1311	9806328,655	-60,13557	-1,75

80	818714,7464	9806327,929	-60,13566	-1,75
90	818712,9384	9806338,079	-60,13568	-1,74991
100	818707,962	9806347,438	-60,13572	-1,74983
110	818698,3564	9806346,088	-60,13581	-1,74984
120	818688,3107	9806343,769	-60,1359	-1,74986
130	818678,0297	9806340,428	-60,13599	-1,74989
140	818672,6747	9806331,153	-60,13604	-1,74998
150	818663,2872	9806324,58	-60,13613	-1,75003
160	818658,2711	9806316,856	-60,13617	-1,7501
170	818651,9339	9806309,03	-60,13623	-1,75018
180	818646,1088	9806299,335	-60,13628	-1,75026
190	818637,1307	9806298,708	-60,13636	-1,75027
200	818628,5849	9806299,757	-60,13644	-1,75026
210	818619,108	9806300,42	-60,13652	-1,75025
220	818609,8008	9806300,907	-60,13661	-1,75025
230	818602,8641	9806307,844	-60,13667	-1,75019
240	818594,1872	9806308,603	-60,13675	-1,75018
250	818583,7483	9806310,444	-60,13684	-1,75016
TN_1500	819243,3044	9806440,141	-60,13092	-1,74898
0	819238,4563	9806448,887	-60,13096	-1,7489
10	819230,3661	9806454,765	-60,13103	-1,74885
20	819221,9794	9806460,211	-60,13111	-1,7488
30	819212,1632	9806458,303	-60,1312	-1,74882
40	819202,4195	9806456,054	-60,13129	-1,74884
50	819192,9643	9806452,798	-60,13137	-1,74887
60	819183,9763	9806448,414	-60,13145	-1,74891
70	819174,4392	9806445,407	-60,13154	-1,74894
80	819164,6229	9806447,315	-60,13163	-1,74892
90	819156,8514	9806441,022	-60,13169	-1,74898
100	819146,8758	9806441,72	-60,13178	-1,74897
110	819136,9401	9806442,852	-60,13187	-1,74896
120	819127,0632	9806441,288	-60,13196	-1,74897
130	819117,2469	9806443,196	-60,13205	-1,74896
140	819107,9751	9806446,942	-60,13213	-1,74892
150	819098,0982	9806448,506	-60,13222	-1,74891
160	819088,2819	9806450,414	-60,13231	-1,74889
170	819078,579	9806447,995	-60,1324	-1,74891
180	819072,2858	9806440,223	-60,13245	-1,74898
190	819066,9866	9806431,743	-60,1325	-1,74906
200	819058,4602	9806426,518	-60,13258	-1,74911
210	819052,8682	9806418,228	-60,13263	-1,74918
220	819044,9881	9806412,071	-60,1327	-1,74924
230	819037,9171	9806405	-60,13276	-1,7493
240	819029,9307	9806398,982	-60,13283	-1,74936
250	819020,4201	9806395,892	-60,13292	-1,74939
TN_2050	819760,1354	9806628,252	-60,12628	-1,74728
0	819762,9784	9806619,502	-60,12625	-1,74735
10	819757,4108	9806610,236	-60,1263	-1,74744
20	819753,4293	9806599,864	-60,12634	-1,74753
30	819749,451	9806590,018	-60,12638	-1,74762
40	819745,6277	9806581,43	-60,12641	-1,7477
50	819742,8557	9806571,085	-60,12643	-1,74779
60	819734,8123	9806564,336	-60,12651	-1,74785
70	819724,6242	9806561,796	-60,1266	-1,74788
80	819714,028	9806557,728	-60,12669	-1,74791
90	819703,2375	9806558,862	-60,12679	-1,7479
100	819694,0027	9806561,863	-60,12687	-1,74788
110	819684,6058	9806565,283	-60,12696	-1,74785
120	819676,6255	9806570,078	-60,12703	-1,7478
130	819668,8026	9806575,556	-60,1271	-1,74775
140	819659,6672	9806579,623	-60,12718	-1,74772
150	819652,0604	9806584,563	-60,12725	-1,74767
160	819647,044	9806576,214	-60,12729	-1,74775
170	819643,9836	9806567,326	-60,12732	-1,74783
180	819635,0521	9806573,815	-60,1274	-1,74777

190	819635,3616	9806582,68	-60,1274	-1,74769
200	819631,8747	9806591,764	-60,12743	-1,74761
210	819626,8889	9806601,141	-60,12748	-1,74752
220	819620,0489	9806609,896	-60,12754	-1,74744
230	819613,0959	9806621,467	-60,1276	-1,74734
240	819622,0412	9806625,639	-60,12752	-1,7473
250	819631,1276	9806629,31	-60,12744	-1,74727
260	819641,1215	9806628,961	-60,12735	-1,74727
TN_2500	820182,997	9806782,161	-60,12249	-1,74588
0	820176,8404	9806790,041	-60,12254	-1,74581
10	820169,5268	9806796,861	-60,12261	-1,74575
20	820162,4558	9806803,932	-60,12267	-1,74568
30	820155,6999	9806811,305	-60,12273	-1,74562
40	820148,8799	9806818,618	-60,12279	-1,74555
50	820142,8617	9806826,605	-60,12285	-1,74548
60	820136,1704	9806834,036	-60,12291	-1,74541
70	820129,9453	9806841,862	-60,12296	-1,74534
80	820125,8779	9806850,998	-60,123	-1,74526
90	820122,1319	9806860,27	-60,12303	-1,74517
100	820119,5437	9806869,929	-60,12306	-1,74509
110	820118,0656	9806879,819	-60,12307	-1,745
120	820117,7166	9806889,813	-60,12307	-1,74491
130	820118,9353	9806899,738	-60,12306	-1,74482
140	820124,3817	9806908,125	-60,12301	-1,74474
150	820134,3071	9806909,344	-60,12292	-1,74473
160	820144,2326	9806908,125	-60,12283	-1,74474
170	820153,7956	9806905,201	-60,12275	-1,74477
180	820161,782	9806899,183	-60,12268	-1,74482
190	820168,602	9806891,87	-60,12262	-1,74489
200	820174,0484	9806883,483	-60,12257	-1,74496
210	820179,1987	9806874,911	-60,12252	-1,74504
220	820184,7907	9806866,621	-60,12247	-1,74512
230	820188,858	9806857,486	-60,12243	-1,7452
240	820196,8444	9806851,467	-60,12236	-1,74525
250	820206,8429	9806851,293	-60,12227	-1,74525
TN_3000	820652,8434	9806953,171	-60,11827	-1,74433
0	820653,7237	9806963,233	-60,11826	-1,74424
10	820655,1154	9806973,135	-60,11825	-1,74415
20	820657,7367	9806982,277	-60,11822	-1,74406
30	820662,4805	9806989,582	-60,11818	-1,744
40	820668,1291	9806997,356	-60,11813	-1,74393
50	820677,8411	9807002,305	-60,11804	-1,74388
60	820688,1777	9807006,067	-60,11795	-1,74385
70	820696,8397	9807009,744	-60,11787	-1,74382
80	820704,8755	9807016,487	-60,1178	-1,74375
90	820710,9241	9807023,695	-60,11775	-1,74369
100	820714,2063	9807031,427	-60,11772	-1,74362
110	820718,5789	9807038,705	-60,11768	-1,74355
120	820724,8721	9807046,476	-60,11762	-1,74348
130	820729,079	9807056,888	-60,11759	-1,74339
140	820734,1132	9807064,945	-60,11754	-1,74332
150	820736,2929	9807073,687	-60,11752	-1,74324
160	820739,3249	9807084,261	-60,11749	-1,74314
170	820741,4238	9807095,059	-60,11748	-1,74304
180	820741,7449	9807104,253	-60,11747	-1,74296
190	820744,9815	9807114,84	-60,11744	-1,74287
200	820745,7209	9807125,414	-60,11744	-1,74277
210	820747,0383	9807136,143	-60,11743	-1,74267
220	820745,2409	9807145,39	-60,11744	-1,74259
230	820737,0019	9807149,957	-60,11752	-1,74255
240	820728,7287	9807152,806	-60,11759	-1,74252
250	820718,8032	9807154,025	-60,11768	-1,74251
TN_3500	821072,176	9807014,578	-60,1145	-1,74377
10	821079,2471	9807021,649	-60,11444	-1,7437
20	821082,5851	9807031,075	-60,11441	-1,74362

30	821087,2799	9807039,905	-60,11437	-1,74354
40	821094,0998	9807047,218	-60,11431	-1,74347
50	821097,19	9807056,729	-60,11428	-1,74339
60	821100,2802	9807066,24	-60,11425	-1,7433
70	821102,6994	9807075,943	-60,11423	-1,74321
80	821104,0911	9807085,845	-60,11422	-1,74312
90	821105,3098	9807095,771	-60,11421	-1,74303
100	821103,5733	9807105,619	-60,11422	-1,74294
110	821102,009	9807115,496	-60,11424	-1,74285
120	821098,9188	9807125,006	-60,11427	-1,74277
130	821096,8397	9807134,788	-60,11428	-1,74268
140	821095,448	9807144,69	-60,1143	-1,74259
150	821092,6916	9807154,303	-60,11432	-1,7425
160	821087,5412	9807162,875	-60,11437	-1,74243
170	821079,4001	9807168,682	-60,11444	-1,74237
180	821071,853	9807175,242	-60,11451	-1,74232
190	821064,2489	9807181,737	-60,11458	-1,74226
200	821055,6772	9807186,887	-60,11465	-1,74221
210	821046,931	9807191,735	-60,11473	-1,74217
220	821039,0509	9807197,892	-60,1148	-1,74211
230	821030,7606	9807203,484	-60,11488	-1,74206
240	821022,9891	9807209,777	-60,11495	-1,742
250	821013,8895	9807213,924	-60,11503	-1,74197
260	821003,899	9807214,36	-60,11512	-1,74196
270	820993,9005	9807214,186	-60,11521	-1,74196
TN_4000	821592,536	9807295,192	-60,10984	-1,74122
0	821594,4441	9807305,008	-60,10982	-1,74114
10	821599,5887	9807312,635	-60,10977	-1,74107
20	821605,9468	9807317,971	-60,10972	-1,74102
30	821611,5388	9807326,261	-60,10967	-1,74094
40	821617,8955	9807333,321	-60,10961	-1,74088
50	821624,7155	9807340,634	-60,10955	-1,74081
60	821632,3759	9807347,062	-60,10948	-1,74076
70	821641,7117	9807350,646	-60,10939	-1,74072
80	821651,1669	9807353,902	-60,10931	-1,74069
90	821646,0165	9807362,473	-60,10936	-1,74062
100	821641,7913	9807370,42	-60,10939	-1,74054
110	821636,6409	9807378,991	-60,10944	-1,74047
120	821627,5778	9807383,218	-60,10952	-1,74043
130	821619,1911	9807388,664	-60,1096	-1,74038
140	821609,7359	9807391,92	-60,10968	-1,74035
150	821600,1233	9807394,676	-60,10977	-1,74033
160	821592,6919	9807401,367	-60,10984	-1,74026
170	821584,1202	9807406,518	-60,10991	-1,74022
180	821574,665	9807409,773	-60,11	-1,74019
190	821564,9621	9807412,193	-60,11008	-1,74017
200	821555,0753	9807417,015	-60,11017	-1,74012
210	821545,1727	9807415,623	-60,11026	-1,74014
220	821535,4289	9807417,873	-60,11035	-1,74012
230	821527,1386	9807423,464	-60,11042	-1,74007
240	821517,2359	9807422,073	-60,11051	-1,74008
250	821507,9001	9807418,489	-60,1106	-1,74011
TN_4500	822062,3823	9807466,202	-60,10562	-1,73967
0	822070,8676	9807457,717	-60,10554	-1,73975
10	822080,6839	9807459,625	-60,10545	-1,73973
20	822089,5133	9807464,32	-60,10538	-1,73969
30	822098,3428	9807469,014	-60,1053	-1,73965
40	822106,8692	9807474,239	-60,10522	-1,7396
50	822115,6574	9807479,011	-60,10514	-1,73956
60	822125,3603	9807476,592	-60,10505	-1,73958
70	822127,2684	9807466,775	-60,10504	-1,73967
80	822129,1765	9807456,959	-60,10502	-1,73976
90	822133,9481	9807448,171	-60,10498	-1,73983
100	822139,9663	9807440,185	-60,10492	-1,73991
110	822146,9128	9807432,991	-60,10486	-1,73997

120	822155,3933	9807427,692	-60,10478	-1,74002
130	822165,0059	9807424,936	-60,1047	-1,74004
140	822172,553	9807431,496	-60,10463	-1,73998
150	822177,6284	9807440,112	-60,10458	-1,73991
160	822183,2203	9807448,403	-60,10453	-1,73983
170	822187,6041	9807457,391	-60,10449	-1,73975
180	822192,4522	9807466,137	-60,10445	-1,73967
190	822201,5876	9807470,204	-60,10437	-1,73963
200	822207,034	9807461,818	-60,10432	-1,73971
210	822208,9421	9807452,001	-60,1043	-1,7398
220	822212,0323	9807442,491	-60,10427	-1,73988
230	822213,0775	9807432,546	-60,10427	-1,73997
240	822221,6492	9807427,395	-60,10419	-1,74002
250	822231,1044	9807430,651	-60,1041	-1,73999
260	822239,1946	9807436,529	-60,10403	-1,73994
TN_5000	822532,2286	9807637,212	-60,1014	-1,73812
0	822541,6838	9807640,468	-60,10132	-1,73809
10	822551,1944	9807643,558	-60,10123	-1,73806
20	822560,2574	9807647,784	-60,10115	-1,73802
30	822569,8205	9807650,708	-60,10106	-1,738
40	822579,2757	9807653,963	-60,10098	-1,73797
50	822588,1857	9807658,503	-60,1009	-1,73793
60	822596,3772	9807664,239	-60,10083	-1,73788
70	822605,1234	9807669,087	-60,10075	-1,73783
80	822613,7837	9807674,087	-60,10067	-1,73779
90	822621,4441	9807680,515	-60,1006	-1,73773
100	822630,1044	9807685,515	-60,10052	-1,73768
110	822638,7647	9807690,515	-60,10045	-1,73764
120	822647,5941	9807695,21	-60,10037	-1,7376
130	822655,5805	9807701,228	-60,1003	-1,73754
140	822661,8737	9807708,999	-60,10024	-1,73747
150	822667,0241	9807717,571	-60,10019	-1,73739
160	822669,7804	9807727,184	-60,10017	-1,73731
170	822670,478	9807737,159	-60,10016	-1,73722
180	822666,0943	9807746,147	-60,1002	-1,73713
190	822662,5106	9807755,483	-60,10023	-1,73705
200	822656,9187	9807763,773	-60,10028	-1,73698
210	822653,0114	9807772,978	-60,10032	-1,73689
220	822653,1859	9807782,977	-60,10032	-1,7368
230	822653,8835	9807792,953	-60,10031	-1,73671
240	822657,7908	9807802,158	-60,10028	-1,73663
250	822659,5273	9807812,006	-60,10026	-1,73654
TS_0	818175,7856	9804987,418	-60,14048	-1,76212
0	818181,0053	9804979,065	-60,14044	-1,7622
10	818188,5524	9804972,504	-60,14037	-1,76226
20	818195,3724	9804965,191	-60,14031	-1,76232
30	818204,0326	9804960,191	-60,14023	-1,76237
40	818214,0311	9804960,365	-60,14014	-1,76237
50	818224,025	9804960,714	-60,14005	-1,76236
60	818234,0007	9804961,412	-60,13996	-1,76236
70	818243,8169	9804959,504	-60,13987	-1,76238
80	818253,3275	9804956,413	-60,13979	-1,7624
90	818262,8381	9804953,323	-60,1397	-1,76243
100	818272,832	9804952,974	-60,13961	-1,76243
110	818280,9221	9804958,852	-60,13954	-1,76238
120	818286,2213	9804967,333	-60,13949	-1,7623
130	818290,605	9804976,321	-60,13945	-1,76222
140	818293,6952	9804985,831	-60,13943	-1,76214
150	818297,1154	9804995,228	-60,13939	-1,76205
160	818300,8615	9805004,5	-60,13936	-1,76197
170	818303,9517	9805014,01	-60,13933	-1,76188
180	818305,6881	9805023,859	-60,13932	-1,76179
190	818307,2525	9805033,735	-60,1393	-1,7617
200	818308,2978	9805043,681	-60,1393	-1,76161
210	818308,2978	9805053,681	-60,1393	-1,76152

220	818309,8621	9805063,557	-60,13928	-1,76143
230	818314,2458	9805072,545	-60,13924	-1,76135
240	818323,0753	9805077,24	-60,13916	-1,76131
250	818332,8568	9805079,319	-60,13908	-1,76129
TS_500	818645,6319	9805158,428	-60,13627	-1,76057
0	818638,0848	9805164,989	-60,13634	-1,76051
10	818629,0969	9805169,372	-60,13642	-1,76047
20	818619,1611	9805170,504	-60,13651	-1,76046
30	818610,5009	9805165,504	-60,13658	-1,76051
40	818601,0745	9805162,166	-60,13667	-1,76054
50	818597,4908	9805171,502	-60,1367	-1,76045
60	818594,7344	9805181,115	-60,13672	-1,76037
70	818589,8863	9805189,861	-60,13677	-1,76029
80	818583,8682	9805197,847	-60,13682	-1,76022
90	818577,0482	9805205,161	-60,13688	-1,76015
100	818569,9771	9805212,232	-60,13695	-1,76009
110	818562,097	9805218,388	-60,13702	-1,76003
120	818553,187	9805222,928	-60,1371	-1,75999
130	818543,225	9805222,057	-60,13719	-1,76
140	818535,4535	9805215,764	-60,13726	-1,76006
150	818529,5757	9805207,673	-60,13731	-1,76013
160	818527,3262	9805197,93	-60,13733	-1,76022
170	818525,9345	9805188,027	-60,13734	-1,76031
180	818524,284	9805178,164	-60,13736	-1,7604
190	818523,935	9805168,17	-60,13736	-1,76049
200	818523,0634	9805158,208	-60,13737	-1,76058
210	818519,6432	9805148,811	-60,1374	-1,76066
220	818513,0826	9805141,264	-60,13746	-1,76073
230	818503,7468	9805137,681	-60,13754	-1,76076
240	818494,3801	9805134,179	-60,13763	-1,76079
250	818485,8084	9805129,028	-60,1377	-1,76084
260	818477,2368	9805123,878	-60,13778	-1,76089
270	818470,2277	9805116,745	-60,13784	-1,76095
TS_950	819068,4936	9805312,337	-60,13247	-1,75918
0	819070,9136	9805303,306	-60,13245	-1,75926
10	819069,5218	9805293,403	-60,13246	-1,75935
20	819067,1026	9805283,7	-60,13248	-1,75943
30	819063,3565	9805274,428	-60,13252	-1,75952
40	819058,0573	9805265,948	-60,13257	-1,7596
50	819051,366	9805258,516	-60,13263	-1,75966
60	819044,295	9805251,445	-60,13269	-1,75973
70	819038,5592	9805243,254	-60,13274	-1,7598
80	819032,8234	9805235,062	-60,13279	-1,75987
90	819031,4317	9805225,159	-60,1328	-1,75996
100	819029,3526	9805215,378	-60,13282	-1,76005
110	819021,2624	9805209,5	-60,1329	-1,76011
120	819013,491	9805203,207	-60,13297	-1,76016
130	819004,1552	9805206,791	-60,13305	-1,76013
140	818996,1688	9805212,809	-60,13312	-1,76008
150	818987,4226	9805217,657	-60,1332	-1,76003
160	818977,4774	9805218,702	-60,13329	-1,76002
170	818967,4835	9805219,051	-60,13338	-1,76002
180	818957,6672	9805217,143	-60,13347	-1,76004
190	818947,6916	9805216,445	-60,13356	-1,76004
200	818937,6931	9805216,62	-60,13365	-1,76004
210	818927,8162	9805215,056	-60,13373	-1,76006
220	818918,4804	9805211,472	-60,13382	-1,76009
230	818910,2889	9805205,736	-60,13389	-1,76014
240	818902,8574	9805199,045	-60,13396	-1,7602
250	818895,9109	9805191,851	-60,13402	-1,76027
TS_1500	819585,3246	9805500,449	-60,12783	-1,75747
0	819583,6741	9805510,312	-60,12785	-1,75738
10	819593,4904	9805512,22	-60,12776	-1,75736
20	819603,3067	9805514,128	-60,12767	-1,75735
30	819613,0504	9805516,378	-60,12759	-1,75732

40	819622,3862	9805519,961	-60,1275	-1,75729
50	819630,3725	9805525,979	-60,12743	-1,75724
60	819638,0888	9805532,34	-60,12736	-1,75718
70	819644,382	9805540,112	-60,1273	-1,75711
80	819647,9657	9805549,447	-60,12727	-1,75703
90	819651,5493	9805558,783	-60,12724	-1,75694
100	819655,933	9805567,771	-60,1272	-1,75686
110	819663,7045	9805574,064	-60,12713	-1,7568
120	819671,5846	9805580,221	-60,12706	-1,75675
130	819679,5181	9805586,309	-60,12699	-1,75669
140	819689,2211	9805588,728	-60,1269	-1,75667
150	819698,4929	9805592,474	-60,12682	-1,75664
160	819707,9762	9805595,647	-60,12673	-1,75661
170	819717,9381	9805596,518	-60,12664	-1,7566
180	819726,7676	9805601,213	-60,12657	-1,75656
190	819733,961	9805608,16	-60,1265	-1,75649
200	819740,1861	9805615,986	-60,12645	-1,75642
210	819744,0935	9805625,191	-60,12641	-1,75634
220	819752,3838	9805630,783	-60,12634	-1,75629
230	819761,3718	9805635,167	-60,12626	-1,75625
240	819771,3075	9805634,035	-60,12617	-1,75626
250	819781,2888	9805633,424	-60,12608	-1,75626
260	819791,2828	9805633,773	-60,12599	-1,75626
270	819801,2767	9805633,424	-60,1259	-1,75626
TS_2000	820055,1709	9805671,459	-60,12362	-1,75592
0	820047,9775	9805678,406	-60,12368	-1,75585
10	820039,6871	9805683,998	-60,12376	-1,7558
20	820033,1265	9805691,545	-60,12382	-1,75574
30	820030,0364	9805701,055	-60,12384	-1,75565
40	820021,9462	9805706,933	-60,12392	-1,7556
50	820015,928	9805714,919	-60,12397	-1,75553
60	820008,4674	9805720,961	-60,12404	-1,75547
70	819998,4918	9805721,658	-60,12413	-1,75546
80	819987,7322	9805723,945	-60,12422	-1,75544
90	819978,4603	9805727,692	-60,12431	-1,75541
100	819969,0315	9805733,357	-60,12439	-1,75536
110	819959,3285	9805735,776	-60,12448	-1,75534
120	819950,3406	9805731,392	-60,12456	-1,75538
130	819941,5944	9805726,544	-60,12464	-1,75542
140	819934,401	9805719,598	-60,1247	-1,75548
150	819927,0875	9805712,778	-60,12477	-1,75555
160	819918,3413	9805707,93	-60,12485	-1,75559
170	819910,1498	9805702,194	-60,12492	-1,75564
180	819900,814	9805698,61	-60,125	-1,75567
190	819892,9338	9805692,454	-60,12507	-1,75573
200	819884,5471	9805687,007	-60,12515	-1,75578
210	819877,4761	9805679,936	-60,12521	-1,75584
220	819869,929	9805673,376	-60,12528	-1,7559
230	819864,0511	9805665,285	-60,12533	-1,75598
240	819859,203	9805656,539	-60,12538	-1,75605
250	819854,0526	9805647,968	-60,12542	-1,75613
TS_2500	820525,0172	9805842,469	-60,1194	-1,75437
0	820530,3164	9805833,989	-60,11935	-1,75444
10	820534,3039	9805824,818	-60,11932	-1,75452
20	820539,7503	9805816,431	-60,11927	-1,7546
30	820545,9069	9805808,551	-60,11921	-1,75467
40	820545,2093	9805798,575	-60,11922	-1,75476
50	820538,6487	9805791,028	-60,11928	-1,75483
60	820530,1683	9805785,729	-60,11935	-1,75488
70	820520,9632	9805781,822	-60,11944	-1,75491
80	820511,659	9805778,157	-60,11952	-1,75495
90	820503,0427	9805773,081	-60,1196	-1,75499
100	820495,7292	9805766,261	-60,11966	-1,75505
110	820492,4735	9805756,806	-60,11969	-1,75514
120	820491,4282	9805746,861	-60,1197	-1,75523

130	820490,123	9805736,947	-60,11971	-1,75532
140	820490,472	9805726,953	-60,11971	-1,75541
150	820491,1695	9805716,977	-60,1197	-1,7555
160	820493,1632	9805707,178	-60,11969	-1,75559
170	820494,6413	9805697,288	-60,11967	-1,75568
180	820493,9437	9805687,312	-60,11968	-1,75577
190	820493,0722	9805677,35	-60,11969	-1,75586
200	820493,0722	9805667,35	-60,11969	-1,75595
210	820493,5955	9805657,364	-60,11968	-1,75604
220	820493,7701	9805647,365	-60,11968	-1,75613
230	820493,4211	9805637,371	-60,11968	-1,75622
240	820492,3758	9805627,426	-60,11969	-1,75631
250	820493,2473	9805617,464	-60,11968	-1,7564
TS_3000	820994,8635	9806013,479	-60,11518	-1,75281
0	821002,9537	9806007,601	-60,11511	-1,75287
10	821009,948	9806013,265	-60,11505	-1,75282
20	821015,6837	9806021,457	-60,115	-1,75274
30	821019,0882	9806030,326	-60,11497	-1,75266
40	821024,3874	9806038,806	-60,11492	-1,75258
50	821031,9345	9806045,367	-60,11485	-1,75253
60	821041,8965	9806046,238	-60,11476	-1,75252
70	821051,8828	9806046,762	-60,11467	-1,75251
80	821059,5432	9806040,334	-60,1146	-1,75257
90	821069,2462	9806037,914	-60,11452	-1,75259
100	821078,9054	9806040,503	-60,11443	-1,75257
110	821088,9039	9806040,328	-60,11434	-1,75257
120	821100,3409	9806041,53	-60,11424	-1,75256
130	821109,6767	9806045,114	-60,11415	-1,75253
140	821112,9324	9806054,569	-60,11412	-1,75244
150	821116,9998	9806063,705	-60,11409	-1,75236
160	821120,5834	9806073,04	-60,11406	-1,75227
170	821126,8766	9806080,812	-60,114	-1,7522
180	821131,8766	9806089,472	-60,11396	-1,75213
190	821132,5742	9806099,448	-60,11395	-1,75203
200	821126,9823	9806107,738	-60,114	-1,75196
210	821119,3218	9806114,166	-60,11407	-1,7519
220	821112,5019	9806121,479	-60,11413	-1,75184
230	821109,7455	9806131,092	-60,11415	-1,75175
TS_3500	821464,7098	9806184,489	-60,11097	-1,75126
0	821474,0456	9806180,905	-60,11088	-1,75129
10	821479,8526	9806172,764	-60,11083	-1,75137
20	821484,7769	9806164,061	-60,11079	-1,75145
30	821488,8442	9806154,925	-60,11075	-1,75153
40	821491,6844	9806145,337	-60,11073	-1,75162
50	821495,1046	9806135,94	-60,11069	-1,7517
60	821499,9527	9806127,194	-60,11065	-1,75178
70	821505,9708	9806119,207	-60,1106	-1,75185
80	821513,6313	9806112,78	-60,11053	-1,75191
90	821522,203	9806107,629	-60,11045	-1,75196
100	821531,1909	9806103,246	-60,11037	-1,752
110	821540,101	9806098,706	-60,11029	-1,75204
120	821549,3728	9806094,96	-60,11021	-1,75207
130	821558,9854	9806092,203	-60,11012	-1,75209
140	821568,3212	9806088,619	-60,11004	-1,75213
150	821578,2467	9806087,401	-60,10995	-1,75214
160	821588,1919	9806086,356	-60,10986	-1,75215
170	821598,1371	9806087,401	-60,10977	-1,75214
180	821607,409	9806091,147	-60,10969	-1,7521
190	821615,8894	9806096,446	-60,10961	-1,75206
200	821622,5156	9806103,936	-60,10955	-1,75199
210	821628,3935	9806112,026	-60,1095	-1,75191
220	821633,3177	9806120,729	-60,10945	-1,75184
230	821637,7014	9806129,717	-60,10941	-1,75175
240	821642,7014	9806138,378	-60,10937	-1,75168
250	821647,3189	9806147,248	-60,10933	-1,7516

TS_4000	821934,5561	9806355,499	-60,10675	-1,74971
0	821933,6845	9806365,461	-60,10676	-1,74962
10	821943,61	9806364,242	-60,10667	-1,74963
20	821953,6039	9806363,893	-60,10658	-1,74963
30	821963,6024	9806363,719	-60,10649	-1,74964
40	821973,6009	9806363,893	-60,1064	-1,74963
50	821983,5035	9806362,502	-60,10631	-1,74965
60	821993,3198	9806360,593	-60,10622	-1,74966
70	822003,2453	9806359,375	-60,10613	-1,74967
80	822003,5943	9806349,381	-60,10613	-1,74976
90	821999,0544	9806340,471	-60,10617	-1,74985
100	821993,7552	9806331,99	-60,10622	-1,74992
110	821985,5637	9806326,255	-60,10629	-1,74997
120	821975,6017	9806325,383	-60,10638	-1,74998
130	821965,6154	9806325,906	-60,10647	-1,74998
140	821955,6215	9806326,255	-60,10656	-1,74997
150	821945,9185	9806323,836	-60,10665	-1,75
160	821936,7831	9806319,769	-60,10673	-1,75003
170	821929,5897	9806312,822	-60,1068	-1,7501
180	821922,0426	9806306,262	-60,10686	-1,75016
190	821922,566	9806296,275	-60,10686	-1,75025
200	821926,1496	9806286,939	-60,10683	-1,75033
210	821933,0962	9806279,746	-60,10676	-1,75039
220	821939,9162	9806272,433	-60,1067	-1,75046
230	821948,2066	9806266,841	-60,10663	-1,75051
240	821957,1945	9806262,457	-60,10655	-1,75055
250	821967,1808	9806262,98	-60,10646	-1,75055
TS_4500	822404,4024	9806526,509	-60,10253	-1,74816
0	822401,3122	9806516,998	-60,10256	-1,74824
10	822399,9205	9806507,096	-60,10257	-1,74833
20	822400,531	9806497,114	-60,10257	-1,74842
30	822399,4857	9806487,169	-60,10258	-1,74851
40	822397,0665	9806477,466	-60,1026	-1,7486
50	822393,1592	9806468,261	-60,10263	-1,74868
60	822387,4234	9806460,07	-60,10269	-1,74876
70	822382,8059	9806451,2	-60,10273	-1,74884
80	822376,9989	9806443,058	-60,10278	-1,74891
90	822371,407	9806434,768	-60,10283	-1,74899
100	822369,5846	9806424,935	-60,10285	-1,74908
110	822363,2914	9806417,164	-60,1029	-1,74915
120	822355,5199	9806410,871	-60,10297	-1,7492
130	822348,1472	9806404,115	-60,10304	-1,74927
140	822338,4035	9806401,865	-60,10313	-1,74929
150	822328,5008	9806403,257	-60,10321	-1,74927
160	822318,6239	9806401,693	-60,1033	-1,74929
170	822310,5337	9806395,815	-60,10338	-1,74934
180	822306,0718	9806386,866	-60,10342	-1,74942
190	822298,3003	9806380,572	-60,10349	-1,74948
200	822290,4202	9806374,416	-60,10356	-1,74953
210	822283,8596	9806366,869	-60,10361	-1,7496
220	822275,4729	9806361,422	-60,10369	-1,74965
230	822265,9623	9806358,332	-60,10378	-1,74968
240	822257,1329	9806353,637	-60,10385	-1,74972
250	822247,1389	9806353,288	-60,10394	-1,74973
TS_5000	822874,2487	9806697,519	-60,09832	-1,74661
0	822874,0742	9806687,521	-60,09832	-1,7467
10	822877,1643	9806678,01	-60,09829	-1,74678
20	822879,7525	9806668,351	-60,09827	-1,74687
30	822884,4473	9806659,521	-60,09823	-1,74695
40	822888,9872	9806650,611	-60,09819	-1,74703
50	822892,8945	9806641,406	-60,09815	-1,74711
60	822896,6405	9806632,134	-60,09812	-1,7472
70	822896,2915	9806622,14	-60,09812	-1,74729
80	822895,0728	9806612,215	-60,09813	-1,74738
90	822894,0276	9806602,27	-60,09814	-1,74747

100	822893,33	9806592,294	-60,09815	-1,74756
110	822893,679	9806582,3	-60,09814	-1,74765
120	822894,3766	9806572,324	-60,09814	-1,74774
130	822895,7683	9806562,422	-60,09812	-1,74783
140	822896,4659	9806552,446	-60,09812	-1,74792
150	822895,0741	9806542,543	-60,09813	-1,74801
160	822891,1668	9806533,338	-60,09816	-1,74809
170	822884,6062	9806525,791	-60,09822	-1,74816
180	822878,7284	9806517,701	-60,09828	-1,74823
190	822873,578	9806509,13	-60,09832	-1,74831
200	822866,6314	9806501,936	-60,09838	-1,74837
210	822858,645	9806495,918	-60,09846	-1,74843
220	822849,8989	9806491,07	-60,09853	-1,74847
230	822840,1174	9806488,991	-60,09862	-1,74849
240	822830,7204	9806485,571	-60,09871	-1,74852
250	822821,1574	9806482,647	-60,09879	-1,74855