

Pressure		STEAM TABLES					
kPa	Temp °C	v	hf	hfg	hg	sf	sg
1	7	129.2	29	2485	2514	0.106	8.977
1.5	13	87.98	55	2471	2526	0.196	8.829
2	17.5	67.01	74	2460	2534	0.261	8.725
2.5	21.1	54.26	89	2452	2541	0.312	8.641
3	24.1	45.67	101	2445	2546	0.354	8.579
3.5	26.7	39.48	112	2439	2551	0.391	8.523
4	29	34.8	121	2433	2554	0.421	8.426
4.5	31	31.14	130	2428	2558	0.451	8.434
5	32.9	28.19	138	2424	2562	0.476	8.396
5.5	34.6	25.77	145	2420	2565	0.5	8.362
6	37.7	23.74	152	2416	2568	0.521	8.311
6.5	39	22.02	158	2413	2571	0.4541	8.303
7	40.3	20.53	163	2410	2573	0.559	8.277
7.5	40.3	19.24	169	2406	2575	0.576	8.252
8	41.6	18.1	174	2403	2577	0.593	8.23
8.5	42.7	17.1	179	2401	2580	0.608	8.208
9	43.8	16.2	183	2398	2581	0.622	8.188
9.5	44.8	15.4	188	2395	2583	0.636	8.169
10	45.8	14.67	192	2393	2585	0.649	8.515
11	47.7	13.42	200	2388	2588	0.674	8.118
12	49.5	12.36	207	2384	2591	0.696	8.087
13	51.1	11.37	214	2380	2594	0.717	8.059
14	52.6	10.69	220	2377	2597	0.737	8.033
15	54.8	10.02	226	2373	2599	0.755	8.009
16	55.3	9.433	232	2370	2602	0.772	7.987
17	56.6	8.911	237	2367	2604	0.788	7.966
18	57.8	8.445	242	2364	2606	0.804	7.946
19	59	8.027	247	2361	2608	0.818	7.927
20	60.1	7.65	252	2358	2610	0.832	7.909
21	61.1	7.307	256	2356	2612	0.845	7.893
22	62.2	6.995	260	2353	2613	0.858	7.876
23	63.1	6.709	264	2351	2615	0.87	7.861
24	64.1	6.447	268	2349	2617	0.882	7.846
25	65	6.204	272	2346	2618	0.893	7.832

26	65.9	5.98	276	2344	2620	0.904	7.819
27	66.7	5.772	279	2342	2621	0.915	7.806
28	67.6	5.579	283	2340	2623	0.925	7.793
29	68.3	5.398	286	2338	2624	0.935	7.781
30	69.1	5.229	289	2336	2625	0.944	7.77
32	70.6	4.922	296	2332	2628	0.962	7.747
34	72	4.65	302	2329	2631	0.98	7.727
36	73.4	4.408	307	2326	2633	0.996	7.707
38	74.7	4.19	313	2322	2635	1.011	7.688
40	75.9	3.993	318	2319	2637	1.026	7.671
45	78.7	3.576	330	2312	2642	1.06	7.631
50	81.4	3.24	341	2305	2646	1.091	7.595
55	83.7	2.964	351	2299	2650	1.119	7.562
60	86	2.762	360	2294	2654	1.145	7.533
65	88	2.535	369	2288	2657	1.17	7.506
70	90	2.365	377	2283	2660	1.192	7.48
75	91.8	2.217	385	2279	2664	1.213	7.457
80	93.5	2.087	392	2274	2666	1.233	7.435
85	95.2	1.972	399	2270	2669	1.252	7.415
90	96.7	1.869	405	2266	2671	1.27	7.395
100	99.6	1.694	418	2258	2676	1.303	7.36
110	102.3	1.549	429	2251	2680	1.333	7.328
120	104.8	1.428	439	2244	2683	1.361	7.3
130	107.1	1.325	449	2238	2687	1.387	7.272
140	109.3	1.236	458	2232	2690	1.411	7.247
150	111.4	1.159	467	2226	2693	1.434	7.223
160	113.3	1.091	475	2221	2696	1.455	7.202
170	115.2	1.031	483	2216	2699	1.475	7.181
180	116.9	0.9772	491	2211	2702	1.494	7.162
190	118.6	0.929	498	2206	2704	1.513	7.144
200	120.2	0.8854	505	2202	2707	1.53	7.127
210	121.8	0.8459	511	2197	2708	1.547	7.11
220	123.3	0.8098	518	2193	2711	1.563	7.095
230	124.7	0.7768	524	2189	2713	1.578	7.08
240	126.1	0.7465	530	2185	2715	1.593	7.066
250	127.4	0.7184	535	2181	2716	1.607	7.052
260	128.7	0.6925	541	2177	2718	1.621	7.039
270	130	0.6684	546	2174	2720	1.634	7.026

280	131.2	0.646	551	2170	2721	1.647	7.014
290	132.4	0.6251	557	2167	2724	1.66	7.002
300	133.5	0.6056	561	2163	2724	1.672	6.991
310	134.7	0.5872	566	2160	2726	1.683	6.98
320	135.8	0.57	571	2157	2728	1.695	6.969
330	136.8	0.5538	576	2154	2730	1.706	6.959
340	137.9	0.5385	580	2150	2730	1.706	6.949
350	138.9	0.524	584	2147	2731	1.727	6.939
360	139.9	0.5103	589	2144	2733	1.738	6.93
370	140.8	0.4974	593	2141	2734	1.748	6.921
380	141.8	0.4851	597	2139	2736	1.757	6.912
390	142.7	0.4734	601	2136	2737	1.767	6.903
400	143.6	0.4622	605	2133	2738	1.776	6.894
410	144.5	0.4516	609	2130	2739	1.786	6.886
420	145.4	0.445	612	2128	2740	1.795	6.878
430	146.3	0.4318	616	2125	2741	1.803	6.87
440	147.1	0.4226	620	2122	2742	1.812	6.862
450	147.9	0.4318	624	2120	2744	1.82	6.855
460	148.7	0.4053	627	2117	2744	1.829	6.847
470	149.5	0.3972	630	2115	2745	1.837	6.84
480	150.3	0.3894	634	2112	2746	1.853	6.826
500	151.8	0.3747	640	2107	2747	1.86	6.819
520	153.3	0.3611	647	2103	2750	1.875	6.806
540	154.8	0.3485	653	2098	2751	1.89	6.793
560	156.2	0.3367	659	2094	2753	1.904	6.781
580	157.5	0.3257	665	2089	2754	1.918	6.769
600	158.8	0.3155	670	2085	2755	1.931	6.758
620	160.1	0.3059	676	2081	2757	1.944	6.746
640	161.4	0.2968	682	2077	2759	1.956	6.736
660	162.6	0.2883	687	2073	2760	1.968	6.725
680	163.8	0.2803	692	2069	2761	1.98	6.715
700	165	0.2727	697	2065	2762	1.992	6.705
720	166.1	0.2655	702	2061	2763	2.003	6.696
740	167.2	0.2587	707	2057	2764	2.014	6.686
760	168.3	0.2522	712	2054	2766	2.025	6.67
780	169.4	0.2462	717	2050	2767	2.035	6.668
800	170.4	0.2403	721	2047	2768	2.016	6.66
820	171.4	0.2347	725	2013	2768	2.056	6.651

840	172.5	0.2294	730	2040	2770	2.066	6.643
860	173.4	0.2243	734	2036	2770	2.075	6.635
880	174.4	0.2195	739	2033	2772	2.85	6.627
900	175.4	0.2148	743	2030	2773	2.094	6.619
920	176.3	0.2104	747	2026	2773	2.103	6.612
940	177.2	0.2061	751	2023	2774	2.112	6.604
960	178.1	0.202	755	2020	2775	2.121	6.597
980	179	0.1981	759	2017	2776	2.13	6.59
1000	179.9	0.1943	763	2014	2777	2.138	6.583
1050	182	0.1855	772	2006	2778	2.159	6.566
1100	184.1	0.1774	781	1999	2780	2.179	6.55
1150	186.1	0.17	790	1991	2781	2.198	6.534
1200	188	0.1632	798	1984	2782	2.216	6.519
1250	189.8	0.1569	807	1977	2784	2.234	6.505
1300	191.6	0.1511	815	1971	2786	2.251	6.491
1350	193.4	0.1457	823	1964	2787	2.268	6.478
1400	195	0.1407	830	1958	2788	2.284	6.465
1450	196.7	0.136	838	1951	2789	2.299	6.453
1500	198.3	0.1317	845	1945	2790	2.315	6.441
1550	199.9	0.1275	852	1939	2791	2.33	6.429
1600	201.4	0.1237	859	1933	2792	2.344	6.418
1650	202.9	0.1201	865	1927	2792	2.358	6.107
1700	204.3	0.1166	872	1922	2794	2.371	6.396
1750	205.7	0.1134	878	1916	2794	2.385	6.385
1800	207.1	0.1103	885	1910	2795	2.398	6.375
1850	208.5	0.1074	891	1905	2796	2.416	6.315
1900	209.8	0.1047	897	1899	2796	2.423	6.355
1950	211.1	0.102	903	1894	2797	2.435	6.346
2000	212.4	0.0995	908	1889	2797	2.447	6.337
2050	213.6	0.0972	914	1883	2797	2.459	6.328
2100	214.9	0.0949	920	1878	2798	2.47	6.319
2150	216.1	0.0927	926	1873	2799	2.481	6.31
2200	217.2	0.0907	931	1868	2799	2.492	6.302
2250	218.4	0.0887	936	1863	2799	2.503	6.293
2300	219.6	0.0868	942	1868	2800	2.514	6.285
2350	220.7	0.0848	947	1853	2800	2.524	6.277
2400	221.8	0.0832	952	1849	2801	2.534	6.269
2450	222.9	0.0815	957	1844	2801	2.544	6.261

2500	223.9	0.0799	962	1839	2801	2.554	6.254
2550	225	0.0784	967	1834	2801	2.564	6.246
2600	226	0.0769	972	1830	2802	2.574	6.239
2650	227.1	0.0754	977	1825	2802	2.583	6.232
2700	228.1	0.074	981	1821	2802	2.592	6.224
2750	229.1	0.0727	986	1816	2802	2.602	6.217
2800	230.1	0.0714	991	1811	2802	2.611	6.21
2850	231	0.0701	995	1807	2802	2.62	6.204
2900	232	0.0689	1000	1802	2802	2.628	6.197
2950	232.9	0.0678	1004	1798	2802	2.637	6.19
3000	233.8	0.0666	1008	1794	2802	2.646	6.184
3100	235.7	0.0645	1017	1785	2802	2.662	6.171
3200	237.5	0.0624	1025	1777	2802	2.679	6.159
3300	239.2	0.0605	1034	1768	2802	2.695	6.146
3400	240.9	0.0587	1042	1760	2802	2.71	6.134
3500	242.5	0.057	1050	1752	2802	2.725	6.123
3600	244.2	0.0554	1058	1744	2802	2.74	6.112
3700	245.8	0.0539	1065	1736	2801	2.755	6.1
3800	247.3	0.052	1073	1728	2801	2.769	6.09
3900	248.8	0.0511	1080	1721	2801	2.783	6.079
4000	250.3	0.0498	1087	1713	2800	2.797	6.069
4100	251.8	0.0485	1095	1705	2800	2.81	6.058
4200	253.2	0.0473	1102	1698	2800	2.823	6.049
4300	254.7	0.0462	1109	1690	2799	2.836	6.038
4400	256.1	0.0451	1115	1683	2798	2.849	6.029
4500	257.4	0.044	1122	1676	2798	2.861	6.019
4600	258.8	0.043	1129	1668	2797	2.874	6.01
4700	260.1	0.0421	1135	1661	2796	2.886	6
4800	261.4	0.0412	1142	1654	2796	2.897	5.991
4900	262.7	0.0403	1148	1647	2795	2.909	5.982
5000	263.9	0.0394	1155	1640	2795	2.921	5.974
5100	265.2	0.0386	1161	1633	2794	2.932	5.965
5200	266.4	0.0378	1167	1626	2793	2.943	5.956
5300	267.6	0.0371	1173	1619	2792	2.954	5.948
5400	268.8	0.0363	1179	1612	2791	2.965	5.939
5500	269.9	0.0356	1185	1605	2790	2.976	5.931
5600	271.1	0.035	1191	1598	2789	2.986	5.923
5700	272.2	0.0343	1197	1591	2788	2.997	5.915

5800	273.4	0.0337	1202	1585	2787	3.007	5.907
5900	274.5	0.033	1208	1578	2786	3.017	5.899
6000	275.6	0.0324	1214	1571	2785	3.027	5.891
6200	277.7	0.0313	1225	1558	2783	3.047	5.875
6400	279.8	0.0302	1236	1545	2781	3.066	5.86
6600	281.8	0.0292	1247	1532	2778	3.085	5.845
6800	283.8	0.0283	1257	1519	2776	3.104	5.831
7000	285.9	0.0274	1267	1506	2773	3.122	5.816
7200	287.7	0.0265	1278	1493	2771	3.14	5.802
7400	289.6	0.0257	1288	1481	2769	3.157	5.788
7600	291.4	0.0249	1298	1468	2766	3.174	5.774
7800	293.2	0.0242	1307	1455	2762	3.191	5.761
8000	295	0.0235	1317	1443	2760	3.208	5.747
8200	296.7	0.0229	1327	1430	2757	3.224	5.734
8400	298.4	0.0222	1386	1418	2754	3.24	5.721
8600	301	0.0216	1345	1406	2751	3.256	5.708
8800	301.7	0.0211	1355	1393	2748	3.271	5.695
9000	303.3	0.0205	1364	1381	2745	3.287	5.682
9200	304.9	0.02	1373	1369	2742	3.302	5.669
9400	306.4	0.0195	1382	1356	2738	3.317	5.657
9600	308	0.019	1391	1344	2735	3.332	5.644
9800	309.5	0.0185	1399	1332	2731	3.346	5.6329
10000	311	0.018	1408	1320	2728	3.361	5.62
10400	313.4	0.0172	1425	1295	2720	3.389	5.596
10800	316.7	0.0164	1442	1271	2713	3.417	5.572
11200	319.4	0.0156	1459	1247	2706	3.444	5.588
11600	322.1	0.0149	1475	1222	2697	3.671	5.524
12000	324.7	0.0143	1492	1197	2689	3.497	5.5
12400	327.2	0.0137	1508	1173	2681	3.523	5.477
12800	329.6	0.0131	1524	1148	2672	3.49	5.453
13200	332	0.0125	1540	1122	2662	3.574	5.429
13600	334.4	0.012	1556	1097	2653	3.599	5.405
14000	336.6	0.0115	1572	1071	2643	3.624	5.38
14400	338.9	0.011	1587	1044	2631	3.649	5.356
14800	341.1	0.0106	1603	1018	2621	3.674	5.331
15200	343.2	0.0101	1619	990	2609	3.698	5.305
15600	345.3	0.0097	1635	963	2598	3.723	5.279
16000	347.3	0.0093	1651	934	2585	3.747	5.253

16400	349.3	0.0089	1667	906	2573	3.772	5.227
16800	351.3	0.0086	1683	876	2559	3.797	5.199
17200	353.2	0.0082	1700	844	2544	3.824	5.171
17600	355.1	0.0078	1718	812	2530	3.85	5.143
18000	357	0.0075	1735	779	2514	3.877	5.113
18400	358.8	0.0072	1752	745	2497	3.903	5.082
18800	360.6	0.0068	1770	710	2480	3.929	5.05
19200	362.3	0.0065	1788	673	2461	3.957	5.016
19600	364	0.0062	1807	634	2441	3.985	4.98
20000	365.7	0.0059	1827	592	2419	4.015	4.941
20400	367.4	0.0055	1848	545	2393	4.47	4.898
20800	369	0.0052	1873	492	2365	4.084	4.85
21200	370.6	0.0048	1902	427	2329	4.128	4.792
21600	372.2	0.0044	1940	342	2282	4.186	4.715
22000	373.7	0.0037	2011	185	2196	4.295	4.58
22120	374.2	0.0032	2107	0	2107	4.443	4.443

Pressure		Sup.Steam Tables		
kPa	Temp °C	v	h	s
1	50	149.1	2595	9.241
1	100	172.2	2689	9.52
1	150	195.3	2784	9.751
1	200	181.4	2880	9.966
1	250	241.4	2978	10.163
1	300	264.5	3077	10.334
1	400	310.7	3280	10.67
1	500	356.8	3489	10.96
5	50	29.78	2594	8.496
5	100	34.42	2688	8.768
5	150	39.04	2784	9.008
5	200	43.66	2880	9.223
5	250	48.28	2978	9.42
5	300	52.9	3077	9.601
5	400	62.13	3280	9.927
5	500	71.36	3489	10.217
10	50	14.187	2592	8.713
10	100	17.2	2688	8.447
10	150	19.51	2783	8.688
10	200	21.83	2880	8.913
10	250	24.14	2977	9.1
10	300	26.45	3077	9.28
10	400	31.06	3280	9.607
10	500	35.68	3489	9.897
50	50	0	0	0
50	100	3.42	2683	7.694
50	150	3.89	2780	7.94
50	200	4.356	2878	8.158
50	250	4.821	2976	8.155
50	300	5.284	3076	8.547
50	400	6.209	3279	8.864
50	500	7.134	3489	9.154
75	50	0	0	0
75	100	2.271	2680	7.5

75	150	2.588	2779	7.75
75	200	2.901	2877	2.969
75	250	3.211	2975	8.167
75	300	3.521	3075	8.349
75	400	4.138	3279	8.676
75	500	4.755	3489	8.967
100	50	0	0	0
100	100	1.696	2676	7.36
100	150	1.937	2777	7.614
100	200	2.173	2876	7.854
100	250	2.406	2975	8.033
100	300	2.639	3075	8.215
100	400	3.103	3278	8.543
100	500	3.565	3488	8.8
101.33	50	0	0	0
101.33	100	0	0	0
101.33	150	1.912	2777	7.608
101.33	200	2.145	2876	7.828
101.33	250	2.375	2975	8.027
101.33	300	2.604	3075	8.209
101.33	400	3.062	3278	8.537
101.33	500	3.519	3488	8.828
150	50	0	0	0
150	100	0	0	0
150	150	1.286	2773	7.42
150	200	1.445	2873	7.643
150	250	1.601	2973	7.843
150	300	1.577	3073	8.027
150	400	2.067	3277	8.355
150	500	2.376	3488	8.646
200	50	0	0	0
200	100	0	0	0
200	150	0.9602	2770	7.28
200	200	1.081	2871	7.507
200	250	1.199	2971	7.708
200	300	1.316	3072	7.892
200	400	1.549	3277	8.221
200	500	1.781	3487	8.513

300	50	0	0	0
300	100	0	0	0
300	150	0.6342	2762	7.078
300	200	0.7166	2866	7.312
300	250	0.7965	2968	7.517
300	300	0.8754	3070	7.702
300	400	1.031	3275	8.032
300	500	1.187	3486	8.324
400	50	0	0	0
400	100	0	0	0
400	150	0.471	2753	6.929
400	200	0.5345	2862	7.172
400	250	0.5953	2965	7.379
400	300	0.6549	3067	7.566
400	400	0.7725	3274	7.898
400	500	0.8893	3485	8.191
500	200	0.4252	2857	7.06
500	250	0.4745	2962	7.271
500	300	0.5226	3065	7.46
500	350	0.5701	3168	7.634
500	400	0.6172	3272	7.793
500	450	0.6641	3377	7.944
500	500	0.7108	3484	8.087
500	600	0.804	3702	8.351
600	200	0.3522	2851	6.968
600	250	0.394	2958	7.182
600	300	0.4344	3062	7.373
600	350	0.4743	3166	7.546
600	400	0.5316	3270	7.707
600	450	0.5528	3376	7.858
600	500	0.5919	3483	8.001
600	600	0.6697	3701	8.267
700	200	0.3001	2846	6.888
700	250	0.3364	2955	7.106
700	300	0.3714	3060	7.298
700	350	0.4058	3164	7.473
700	400	0.4397	3269	7.634
700	450	0.4734	3374	7.786

700	500	0.5069	3482	7.929
700	600	0.5737	3700	8.195
800	200	0.261	2840	6.817
800	250	0.2933	2951	7.04
800	300	0.3242	3057	7.233
800	350	0.3544	3162	7.409
800	400	0.3842	3267	7.571
800	450	0.4138	3373	7.723
800	500	0.4432	3481	7.866
800	600	0.5018	3699	8.132
900	200	0.2305	2815	6.753
900	250	0.2597	2948	6.98
900	300	0.2874	3055	7.176
900	350	0.3144	3163	7.352
900	400	0.341	3266	7.515
900	450	0.3674	3372	7.667
900	500	0.3937	348	7.811
900	600	0.4458	3699	8.077
1000	200	0.2061	2829	6.695
1000	250	0.2328	2944	6.926
1000	300	0.258	3052	7.124
1000	350	0.2825	3158	7.301
1000	400	0.3065	3264	7.464
1000	450	0.3303	3370	7.617
1000	500	0.354	3478	7.761
1000	600	0.401	3698	8.028
1500	200	0.1324	2796	6.452
1500	250	0.152	2925	6.711
1500	300	0.1697	3039	6.919
1500	350	0.1865	3148	7.102
1500	400	0.2029	3256	7.268
1500	450	0.2191	3364	7.423
1500	500	0.2351	3473	7.569
1500	600	0.2667	3694	7.838
2000	200	0	0	0
2000	250	0.1115	2904	6.547
2000	300	0.1255	3025	6.768
2000	350	0.1386	3138	6.957

2000	400	0.1511	3248	7.126
2000	450	0.1634	3357	7.283
2000	500	0.1756	3467	7.431
2000	600	0.1995	3690	7.701
3000	200	0	0	0
3000	250	0.0706	2858	6.289
3000	300	0.0812	2995	6.541
3000	350	0.0205	3117	6.744
3000	400	0.0993	3231	6.921
3000	450	0.1078	3343	7.082
3000	500	0.1161	3456	7.233
3000	600	0.1324	3682	7.207
4000	200	0	0	0
4000	250	0	0	0
4000	300	0.0588	2963	6.364
4000	350	0.0664	3094	6.584
4000	400	0.0773	3214	6.769
4000	450	0.08	3330	6.934
4000	500	0.0864	3445	7.089
4000	600	0.0988	3674	7.368
5000	200	0	0	0
5000	250	0	0	0
5000	300	0.0453	2927	6.212
5000	350	0.0519	3070	6.451
5000	400	0.0578	3196	6.646
5000	450	0.0632	3316	6.818
5000	500	0.0685	3433	6.975
5000	600	0.0786	3666	7.258
6000	200	0	0	0
6000	250	0	0	0
6000	300	0.0362	2887	6.071
6000	350	0.0422	3045	6.336
6000	400	0.0473	3177	6.541
6000	450	0.0521	3301	6.719
6000	500	0.0566	3421	6.879
6000	600	0.0652	3657	7.166
7000	200	0	0	0
7000	250	0	0	0

7000	300	0.0295	2841	5.934
7000	350	0.0352	3018	3.231
7000	400	0.0399	3158	6.448
7000	450	0.0441	3287	6.632
7000	500	0.0481	3410	6.796
7000	600	0.0556	3649	7.088
8000	350	0.0299	2990	6.133
8000	375	0.0322	3067	6.255
8000	400	0.0328	3139	6.364
8000	425	0.0363	3207	6.463
8000	450	0.0381	3272	6.555
8000	500	0.0417	3398	6.723
8000	600	0.0484	3641	7.019
8000	700	0.0548	3881	7.279
9000	350	0.0258	2959	6.039
9000	375	0.0279	3042	6.171
9000	400	0.0299	3118	6.286
9000	425	0.0317	3189	6.39
9000	450	0.0335	3256	6.484
9000	500	0.0367	3385	6.657
9000	600	0.0428	3633	6.958
9000	700	0.0485	3874	7.27
10000	350	0.0224	2926	5.947
10000	375	0.0245	3017	6.071
10000	400	0.0264	3097	6.213
10000	425	0.0281	3172	6.321
10000	450	0.0297	3241	6.419
10000	500	0.0328	3373	6.596
10000	600	0.0383	3624	6.902
10000	700	0.0435	3868	7.166
11000	350	0.0196	3889	5.856
11000	375	0.0217	2989	6.014
11000	400	0.0235	3075	6.143
11000	425	0.0251	3153	6.257
11000	450	0.0267	3225	6.358
11000	500	0.0295	3360	6.539
11000	600	0.0347	3616	6.85
11000	700	0.0395	3862	7.117

12000	350	0.0172	2849	5.762
12000	375	0.0193	2960	5.937
12000	400	0.0211	3052	6.076
12000	425	0.0227	3134	6.195
12000	450	0.0241	3209	6.301
12000	500	0.0268	3348	6.487
12000	600	0.0359	3607	6.802
12000	700	0.0361	3856	7.072
13000	350	0.0109	2804	5.664
13000	375	0.0173	2929	5.862
13000	400	0.019	3028	6.011
13000	425	0.0205	3114	6.136
13000	450	0.0219	3192	6.246
13000	500	0.0245	3335	6.437
13000	600	0.029	3599	6.758
13000	700	0.0332	3850	7.03
14000	350	0.0132	2753	5.559
14000	375	0.0155	2896	5.784
14000	400	0.0172	3003	5.946
14000	425	0.0187	3093	6.079
14000	450	0.0201	3175	6.193
14000	500	0.0225	3322	6.39
14000	600	0.0268	3590	6.716
14000	700	0.0307	3843	6.991
15000	350	0.0115	2693	5.443
15000	375	0.0139	2861	5.707
15000	400	0.0157	2977	5.883
15000	425	0.0171	3073	6.023
15000	450	0.0184	3157	6.142
15000	500	0.0208	3309	6.345
15000	600	0.0249	3581	6.677
15000	700	0.0286	3837	6.954
16000	350	0.0098	2617	5.304
16000	375	0.0125	2821	5.626
16000	400	0.0143	2949	5.82
16000	425	0.0157	3051	5.968
16000	450	0.017	3139	6.093
16000	500	0.0193	3295	6.301

16000	600	0.0232	3573	6.639
16000	700	0.0267	3831	6.919
17000	350	0	0	0
17000	375	0.0112	2778	5.541
17000	400	0.013	2920	5.756
17000	425	0.0145	3028	5.914
17000	450	0.0158	3121	6.044
17000	500	0.018	3281	6.26
17000	600	0.0217	3564	6.603
17000	700	0.0251	3825	6.886
18000	350	0	0	0
18000	375	0.01	2729	5.449
18000	400	0.0119	2888	5.691
18000	425	0.0134	3004	5.861
18000	450	0.0146	3102	5.997
18000	500	0.0168	3268	6.219
18000	600	0.0204	3555	6.569
18000	700	0.0236	3818	6.855
19000	350	0	0	0
19000	375	0.0088	2674	5.348
19000	400	0.0109	2855	5.625
19000	425	0.0124	2980	5.807
19000	450	0.0136	3082	5.95
19000	500	0.0157	3254	6.18
19000	600	0.0192	3546	6.536
19000	700	0.0223	3812	6.825
20000	350	0	0	0
20000	375	0.0077	2605	5.228
20000	400	0.01	2819	5.556
20000	425	0.0115	2955	5.753
20000	450	0.0127	3062	5.904
20000	500	0.0148	3239	6.142
20000	600	0.0182	3537	6.505
20000	700	0.0211	3806	6.796