

Santander	PX	BRENT(USD)	XR(CZC/USD)	Santander	PX	BRENT(USD)	XR(CZC/USD)
627.00	1 034.45	108.64	19.5985	-0.02052	-0.00428	-0.00248	0.002529
640.00	1 038.89	108.91	19.5490	-0.01366	0.010333	-0.01377	0.007857
648.80	1 028.21	110.42	19.3960	0.016786	-0.00093	0.001359	-0.01461
638.00	1 029.17	110.27	19.6815	-0.01401	0.011886	-0.00136	0.004941
647.00	1 017.01	110.42	19.5845	-0.01549	0.011004	0.00472	-0.00682
657.10	1 005.88	109.9	19.7185	0.030439	-0.00715	-0.00218	0.000304
637.40	1 013.10	110.14	19.7125	0.003772	-0.00145	-0.01853	0.002972
635.00	1 014.57	112.2	19.6540	0	0.018543	-0.00036	0.007354
635.00	995.93	112.24	19.5100	0.059198	0.003208	-0.00639	-0.00358
598.50	992.74	112.96	19.5800	0.014304	-0.02094	-0.01398	0.003453
590.00	1 013.75	114.55	19.5125	-0.03497	0.013586	0.007096	0.007898
611.00	1 000.07	113.74	19.3590	0.03159	0.007034	-0.00395	0.00225
592.00	993.06	114.19	19.3155	0.009334	-0.01068	-0.01771	0.01122
586.50	1 003.72	116.23	19.1000	-0.02608	0.002814	-0.00694	0.008307
602.00	1 000.90	117.04	18.9420	0.028646	-0.00278	-0.00307	-0.00432
585.00	1 003.69	117.4	19.0240	-0.00987	0.004624	-0.00916	0.003581
590.80	999.06	118.48	18.9560	-0.00237	-0.01073	0.000422	0.005501
592.20	1 009.84	118.43	18.8520	-0.02715	0.007425	0.00457	0.00146
608.50	1 002.37	117.89	18.8245	0.004942	0.003408	-0.00339	-0.00066
605.50	998.96	118.29	18.8370	0.034443	0.004847	-0.00514	-0.0022
585.00	994.13	118.9	18.8785	-0.00409	0.008039	0.014657	0.001856
587.40	986.17	117.17	18.8435	0.016132	-0.01267	0.001196	-0.00106
578.00	998.74	117.03	18.8635	-0.03368	-0.00876	0.008323	-0.00668
597.80	1 007.53	116.06	18.9900	-0.0202	-0.00917	0.004404	0.008408
610.00	1 016.81	115.55	18.8310	-0.03591	-0.00454	0	-0.00371
632.30	1 021.44	115.55	18.9010	-0.01678	0.003511	0.001126	0.001112
643.00	1 017.86	115.42	18.8800	0.01868	-0.00207	0.001734	-0.00741
631.10	1 019.97	115.22	19.0205	-0.00222	0.007282	0.011347	-0.00428
632.50	1 012.57	113.92	19.1020	0.007777	-0.01151	0.000351	0.006249
627.60	1 024.29	113.88	18.9830	-0.00904	0.002375	-0.00622	-0.00709
633.30	1 021.86	114.59	19.1180	0.030461	-0.00484	0.007973	-0.00548
614.30	1 026.82	113.68	19.2230	-0.00211	0.00152	0.008481	-0.00148
615.60	1 025.26	112.72	19.2515	-0.01435	-0.01669	0.009001	0.000857
624.50	1 042.52	111.71	19.2350	-0.03307	0.000249	0.006286	0.007174
645.50	1 042.26	111.01	19.0975	-0.00525	0.002834	0.00036	-0.0066
648.90	1 039.31	110.97	19.2240	-0.00461	-0.00291	-0.00674	-0.00088
651.90	1 042.34	111.72	19.2410	-0.0196	-0.00487	0.003587	0.006832
664.80	1 047.43	111.32	19.1100	-0.00928	-0.00597	0.009205	-0.00548
671.00	1 053.70	110.3	19.2150	0.005979	0.005348	-0.02392	-0.00483
667.00	1 048.08	112.97	19.3080	0.003454	-0.01708	-0.00088	-0.01549
664.70	1 066.14	113.07	19.6095	-0.01404	0.004644	0.000354	0.004703
674.10	1 061.20	113.03	19.5175	0.024022	0.006239	0.004789	0.001795
658.10	1 054.60	112.49	19.4825	0.026796	-0.00743	-0.0008	0.003806
640.70	1 062.47	112.58	19.4085	0.013356	-0.00054	-0.00399	0.002502
632.20	1 063.04	113.03	19.3600	-0.00284	-0.00279	0.000442	0.01271
634.00	1 066.01	112.98	19.1155	0.00316	0.025953	0.026276	0.006008
632.00	1 038.70	110.05	19.0010	0.040361	0.002651	9.09E-05	0.002345

607.00	1 035.95	110.04	18.9565	-0.00329	-0.00041	0.008304	-0.00581
609.00	1 036.38	109.13	19.0670	0.030679	0.002502	-0.01311	0.002521
590.60	1 033.79	110.57	19.0190	-0.02244	-0.00723	0.005623	-0.00063
604.00	1 041.29	109.95	19.0310	-0.02178	0.009921	-9.1E-05	-5.3E-05
617.30	1 031.01	109.96	19.0320	0.010258	0.019243	0.005563	-0.00762
611.00	1 011.36	109.35	19.1775	0.043656	0.003308	0.00064	0.000756
584.90	1 008.02	109.28	19.1630	0.003425	0.00581	-0.0082	-0.0079
582.90	1 002.18	110.18	19.3150	0.007923	0.000589	9.08E-05	-0.00018
578.30	1 001.59	110.17	19.3185	0.006593	0.008996	0.023604	-0.00485
574.50	992.62	107.6	19.4125	0.018623	0.006854	-0.00602	-0.00586
563.90	985.84	108.25	19.5265	0.010876	-0.00776	0.01012	0.001538
557.80	993.52	107.16	19.4965	-0.01194	-0.00606	-0.0079	0.002876
564.50	999.56	108.01	19.4405	-0.00018	0.001832	-0.00876	0.007616
564.60	997.73	108.96	19.2930	0.008181	0.003444	-0.00941	0.000907
560.00	994.30	109.99	19.2755	0.005372	-3E-05	-0.01157	-0.00233
557.00	994.33	111.27	19.3205	-0.02026	-0.00299	0.003872	-0.00642
568.40	997.31	110.84	19.4450	-0.00281	0.005197	0.003344	0.001235
570.00	992.14	110.47	19.4210	0.022174	0.016791	0.020208	-0.00432
557.50	975.62	108.26	19.5050	0.044191	-0.01978	-0.00984	-0.00399
533.40	995.11	109.33	19.5830	-0.03446	0.01199	-0.00774	0.004555
552.10	983.25	110.18	19.4940	0.025871	0.006479	0.000363	-0.00182
538.00	976.90	110.14	19.5295	0.026367	0.014705	-0.00606	-0.01645
524.00	962.64	110.81	19.8535	0.000955	-0.00778	0.007246	0.003633
523.50	970.16	110.01	19.7815	-0.00476	-0.00446	-0.00045	0.000126
526.00	974.50	110.06	19.7790	-0.00171	0.004422	0.029974	-0.01368
526.90	970.20	106.81	20.0515	0.013182	0.000876	-0.03006	0.004273
520.00	969.35	110.07	19.9660	0.002889	-0.00509	0.003732	-0.00065
518.50	974.30	109.66	19.9790	-0.00096	0.008369	0.00769	-0.00437
519.00	966.18	108.82	20.0665	0.012018	-0.01179	-0.01287	0.004996
512.80	977.64	110.23	19.9665	-0.01067	-0.00223	0.014806	0
518.30	979.82	108.61	19.9665	0.011644	-0.00568	0.012787	0.001077
512.30	985.40	107.23	19.9450	-0.00526	-0.00402	-0.0091	0.002887
515.00	989.37	108.21	19.8875	0	-0.0062	-0.00975	0.008915
515.00	995.52	109.27	19.7110	0.012702	0.00738	0.034258	0.001498
508.50	988.20	105.59	19.6815	0.012666	0.007384	-0.0113	0.000534
502.10	980.93	106.79	19.6710	0.015657	0.005284	-0.01901	0.010271
494.30	975.76	108.84	19.4700	0.016934	0.005014	-0.0096	0.005614
486.00	970.88	109.89	19.3610	0.003091	0.001412	0.004469	0.004192
484.50	969.51	109.4	19.2800	0.02508	0.010941	0.00064	-0.00608
472.50	958.96	109.33	19.3975	0.046792	-0.00541	0.003941	0.006232
450.90	964.16	108.9	19.2770	-0.0178	-0.01298	0.011638	-0.00114
459.00	976.76	107.64	19.2990	-0.00868	0.000543	-0.00019	0.001348
463.00	976.23	107.66	19.2730	0.002162	0.003993	0.001208	0.004524
462.00	972.34	107.53	19.1860	0.002167	-0.01801	-0.01925	0.007009
461.00	990.01	109.62	19.0520	-0.03034	0.001739	-0.0205	-0.00176
475.20	988.29	111.89	19.0855	0.006545	-0.00546	-0.00615	0.006149
472.10	993.70	112.58	18.9685	-0.02593	-0.00176	-0.00805	0.005206
484.50	995.45	113.49	18.8700	0.011417	0.000794	-0.01322	-0.00666

479.00	994.66	115	18.9960	0.014722	0.007883	0	-0.01281
472.00	986.85	115	19.2410	0.01065	0.000923	-0.00148	-0.00322
467.00	985.94	115.17	19.3030	0.008602	0.000254	-0.00873	0.001555
463.00	985.69	116.18	19.2730	0.008677	0.002133	0.000603	-0.00443
459.00	983.59	116.11	19.3585	0.021137	-0.00241	0.015536	-0.0024
449.40	985.96	114.32	19.4050	0.00089	0.000446	0.01516	0.008929
449.00	985.52	112.6	19.2325	0	-0.00021	0.003826	0.008171
449.00	985.73	112.17	19.0760	-0.02094	0.017593	0.015181	-0.00439
458.50	968.54	110.48	19.1600	0.023167	0.004999	0.010555	-0.0124
448.00	963.71	109.32	19.3990	0.021433	0.003409	-0.02858	0.001315
438.50	960.43	112.49	19.3735	0.013084	-0.00752	-0.0008	-0.00481
432.80	967.68	112.58	19.4670	-0.02329	0.014888	0.010896	0.00484
443.00	953.38	111.36	19.3730	0.01524	0.009739	0.021512	-0.00108
436.30	944.14	108.99	19.3940	0.019207	-0.02071	-0.0162	0.002711
428.00	963.90	110.77	19.3415	-0.04321	0.003534	0.014275	0.002303
446.90	960.50	109.2	19.2970	0.011025	-0.0027	-0.01878	0.008796
442.00	963.10	111.27	19.1280	-0.00451	0.007818	0.016857	-0.00506
444.00	955.60	109.41	19.2250	0.002029	-0.01124	0.008444	0.007702
443.10	966.40	108.49	19.0775	-0.04285	-0.00062	-0.04329	0.002966
462.50	967.00	113.29	19.0210	0.000433	-0.00289	-0.02966	0.016218
462.30	969.80	116.7	18.7150	-0.0084	-0.00832	-0.00666	0.008586
466.20	977.90	117.48	18.5550	-0.01448	0.025163	0.012678	-0.01304
473.00	953.60	116	18.7985	0.080765	-0.01116	0.009876	-0.00935
436.30	964.30	114.86	18.9750	-0.02646	0.011368	0	0.002744
448.00	953.40	114.86	18.9230	0.028988	-0.00262	0.00892	-0.01825
435.20	955.90	113.84	19.2715	-0.00023	-0.01299	0.001758	0.00575
435.30	968.40	113.64	19.1610	0.004144	0.017185	-0.00754	-0.01584
433.50	951.90	114.5	19.4670	0.057443	0.007593	0.010359	-0.01088
409.30	944.70	113.32	19.6800	0.035563	-0.00063	-0.01454	-0.00668
395.00	945.30	114.98	19.8120	0.001267	-0.00706	0.009174	0.002375
394.50	952.00	113.93	19.7650	-0.00304	0.014176	0.014588	-0.00671
395.70	938.60	112.28	19.8980	0.019651	0.00032	-0.00222	0.005948
388.00	938.30	112.53	19.7800	-0.0128	-0.0051	-0.0008	0.00456
393.00	943.10	112.62	19.6900	-0.00987	-0.01128	-0.0099	-0.00895
396.90	953.80	113.74	19.8670	-0.01575	0.008423	-0.0176	-0.00096
403.20	945.80	115.76	19.8860	0.026641	-0.00968	-0.01449	0.003022
392.60	955.00	117.45	19.8260	-0.02714	-0.00178	0.014407	-0.00521
403.40	956.70	115.77	19.9295	-0.00322	0.006502	-0.00224	0.001481
404.70	950.50	116.03	19.9000	-0.00984	0.012279	0.004578	-0.0132
408.70	938.90	115.5	20.1645	0.026529	-0.00975	0.002601	-0.0026
398.00	948.10	115.2	20.2170	-0.03214	0.007517	-0.00795	0.006575
411.00	941.00	116.12	20.0845	0.02563	0.006504	0.005267	-0.01008
400.60	934.90	115.51	20.2880	0.035314	0.00461	0.014036	-0.00167
386.70	930.60	113.9	20.3220	-0.00078	0.009501	-0.00508	-0.00224
387.00	921.80	114.48	20.3675	0.01799	-0.00498	0.011863	-0.00218
380.10	926.40	113.13	20.4120	-0.00289	0.001945	-0.00344	0.001103
381.20	924.60	113.52	20.3895	0.001838	0.010656	0.000881	0.003267
380.50	914.80	113.42	20.3230	0.011897	-0.00338	0.009123	0.003055

376.00	917.90	112.39	20.2610	-0.01295	0.004586	0.021404	-0.00182
380.90	913.70	110.01	20.2980	0.007114	0.015997	0.004008	-0.00386
378.20	899.20	109.57	20.3765	0.038269	0.011071	0.018608	-0.01987
364.00	889.30	107.55	20.7855	0.012718	-0.00561	0.007185	0.003398
359.40	894.30	106.78	20.7150	-0.00859	0.00336	0.007992	0.006684
362.50	891.30	105.93	20.5770	-0.01343	-0.01647	-0.00574	0.000656
367.40	906.10	106.54	20.5635	-0.04471	0.011544	0.002255	0.001363
384.20	895.70	106.3	20.5355	0.021574	0.008409	0.014498	-0.0044
376.00	888.20	104.77	20.6260	0.017438	0.00973	0.023369	-0.01614
369.50	879.60	102.35	20.9615	0.024104	0.001024	-0.01185	-0.01016
360.70	878.70	103.57	21.1755	0.006676	0.003648	-0.00328	0.003264
358.30	875.50	103.91	21.1065	-0.00334	-0.02537	-0.02912	0.002942
359.50	898.00	106.98	21.0445	-0.06541	-0.01305	-0.00754	0.018198
383.80	909.80	107.79	20.6650	-0.01088	0.009054	0.017501	0.004389
388.00	901.60	105.92	20.5745	0.025318	-0.00685	0.016276	0.001995
378.30	907.80	104.21	20.5335	-0.02067	0.007075	0.020455	-0.0059
386.20	901.40	102.1	20.6550	0.020139	-0.0031	0.001863	-0.00507
378.50	904.20	101.91	20.7600	0.00291	0.008106	0.027154	-0.00289
377.40	896.90	99.18	20.8200	0.010388	-0.01109	-0.0005	0.00815
373.50	906.90	99.23	20.6510	-0.02538	0.002982	0.000807	-0.00365
383.10	904.20	99.15	20.7265	0.009441	-0.00463	-0.00794	0.003286
379.50	908.40	99.94	20.6585	-0.05261	-0.00472	0.0005	0.021183
400.00	912.70	99.89	20.2255	0.00778	0.001316	0.04725	-0.00363
396.90	911.50	95.28	20.2990	0.010893	0.011697	0.011718	0.007243
392.60	900.90	94.17	20.1525	0.029992	0.022791	0.034022	-0.02753
381.00	880.60	91.02	20.7150	0.067026	-0.00645	-0.01136	-0.00077
356.30	886.30	92.06	20.7310	0.014133	0.002485	0.020522	-0.00058
351.30	884.10	90.19	20.7430	0.002565	0.006468	0.016771	0.002051
350.40	878.40	88.69	20.7005	-0.00342	-0.02385	-0.00596	0.00944
351.60	899.60	89.22	20.5060	-0.05586	-0.00278	0	-0.0037
371.80	902.10	89.22	20.5820	-0.00563	0.006004	-0.04686	0.022305
373.90	896.70	93.5	20.1280	0.014276	-0.00378	-0.01739	0.004531
368.60	900.10	95.14	20.0370	0.000271	0.017144	-0.00074	-0.01491
368.50	884.80	95.21	20.3380	0.025561	-0.00079	-0.01997	0.010752
359.20	885.50	97.13	20.1205	-0.02448	0.010901	0.006922	-0.00293
368.10	875.90	96.46	20.1795	0.030899	0.002744	-0.00857	-0.00571
356.90	873.50	97.29	20.2950	0.003368	0.003555	0.007221	-0.01273
355.70	870.40	96.59	20.5550	0.00197	-0.0104	-0.0206	0.000657
355.00	879.50	98.6	20.5415	-0.02394	-0.00736	0.010501	0.011925
363.60	886.00	97.57	20.2980	-0.00439	-0.00776	-0.0251	0.005806
365.20	892.90	100.05	20.1805	-0.01279	0.01319	-0.01084	-0.00203
369.90	881.20	101.14	20.2215	0.010873	0.007518	0.024927	-0.01682
365.90	874.60	98.65	20.5645	-0.00844	0.01231	0.009267	-0.00066
369.00	863.90	97.74	20.5780	0.010899	0.005455	-0.00906	-0.00775
365.00	859.20	98.63	20.7380	0.024967	-0.00742	-0.05167	-0.00375
356.00	865.60	103.86	20.8160	-0.02085	-0.01274	9.63E-05	0.000625
363.50	876.70	103.85	20.8030	-0.01745	-0.0016	-0.03501	0.020666
369.90	878.10	107.55	20.3775	0.005693	0.009727	-0.00288	0.006425

367.80	869.60	107.86	20.2470	0.009013	-0.01098	0.006138	-0.00188
364.50	879.20	107.2	20.2850	-0.01227	0.001252	0.00299	0.001184
369.00	878.10	106.88	20.2610	-0.00675	-0.00477	-0.02659	0.016246
371.50	882.30	109.76	19.9345	-0.00296	0.010368	0.006765	0.017254
372.60	873.20	109.02	19.5935	0.017872	0.005052	0.009122	-0.00871
366.00	868.80	108.03	19.7650	0.00823	0.001267	-0.01178	-0.01591
363.00	867.70	109.31	20.0820	0.005248	-0.00906	-0.00447	0.002368
361.10	875.60	109.8	20.0345	-0.04574	-0.00046	-0.01447	-0.0049
378.00	876.00	111.4	20.1330	0.018423	-0.01944	0.005491	0.01779
371.10	893.20	110.79	19.7780	-0.04711	-0.0183	-0.01532	0.010726
389.00	909.70	112.5	19.5670	-0.04548	-0.00242	0.002314	0.00284
407.10	911.90	112.24	19.5115	-0.01269	0.020832	0.003123	-0.00274
412.30	893.10	111.89	19.5650	-0.0185	-0.0287	0.002058	0.015971
420.00	919.10	111.66	19.2550	0.000715	-0.00629	-0.03736	0.010651
419.70	924.90	115.91	19.0510	-0.00712	-0.00904	-0.01422	0.004524
422.70	933.30	117.57	18.9650	-0.00118	-0.00577	-0.00923	0.006215
423.20	938.70	118.66	18.8475	-0.01128	0.003949	-0.00538	0.005747
428.00	935.00	119.3	18.7395	0.004684	0.005147	-0.00025	-0.00354
426.00	930.20	119.33	18.8060	0.006358	-0.00536	0.01588	0.004824
423.30	935.20	117.45	18.7155	-0.02864	0.014107	-0.00247	-0.00931
435.60	922.10	117.74	18.8905	0.048446	0.011891	0.009215	-0.00709
415.00	911.20	116.66	19.0250	0.027854	-0.01708	-0.0121	0.008287
403.60	926.90	118.08	18.8680	-0.00346	0.009866	0.009188	-0.00169
405.00	917.80	117	18.9000	0.027282	-0.00543	0.015678	0.001006
394.10	922.80	115.18	18.8810	-0.01211	0.00217	-0.01918	0.001245
398.90	920.80	117.41	18.8575	0.020003	0.00163	-0.00696	0.000133
391.00	919.30	118.23	18.8550	0.018065	-0.01232	-0.02001	0.000318
384.00	930.70	120.62	18.8490	-0.02317	-0.00994	0.000415	0.002523
393.00	940.00	120.57	18.8015	-0.02289	0.000106	0.001328	-0.00832
402.10	939.90	120.41	18.9585	0.001493	0.015223	-0.01222	-5.3E-05
401.50	925.70	121.89	18.9595	0.051621	-0.0101	-0.01377	0.005819
381.30	935.10	123.58	18.8495	-0.02435	-0.01127	0.004379	0.005053
390.70	945.70	123.04	18.7545	-0.02976	-0.02041	-0.02107	0.0076
402.50	965.20	125.66	18.6125	-0.04968	-0.00259	0.009756	0.002044
423.00	967.70	124.44	18.5745	0	-0.00556	0.008312	-0.0007
423.00	973.10	123.41	18.5875	-0.00941	0.003913	0.00146	-0.00056
427.00	969.30	123.23	18.5980	0.014151	-0.0182	-0.00953	0.004257
421.00	987.10	124.41	18.5190	-0.05229	-0.00334	-0.00673	0.005035
443.60	990.40	125.25	18.4260	-0.01143	0.002932	-0.00478	-0.00024
448.70	987.50	125.85	18.4305	-0.004	-0.00051	0.005098	-0.00662
450.50	988.00	125.21	18.5530	-0.00774	-0.00222	0.021963	-0.01043
454.00	990.20	122.49	18.7475	-0.00615	-0.00161	-0.01136	0.004839
456.80	991.80	123.89	18.6570	-0.00153	-0.00081	-0.00395	0.008748
457.50	992.60	124.38	18.4945	-0.00567	-0.00633	-0.01103	0.000352
460.10	998.90	125.76	18.4880	-0.00844	0.004716	0.005342	-0.00593
464.00	994.20	125.09	18.5980	0.013015	0.001107	0.01174	-0.00809
458.00	993.10	123.63	18.7490	0.007671	-0.00652	-0.02674	-0.00879
454.50	999.60	126.98	18.9145	0.010395	0.006725	-0.00909	0.007003

449.80	992.90	128.14	18.7825	-0.00488	0.007075	0.006813	0.00566
452.00	985.90	127.27	18.6765	0.013587	-0.0121	-0.00634	-0.00481
445.90	997.90	128.08	18.7665	-0.04194	0.001404	0.000937	0.005343
465.00	996.50	127.96	18.6665	0.00604	0.006039	0.020448	-0.01137
462.20	990.50	125.37	18.8800	0.01724	0.00101	0.002716	-0.00578
454.30	989.50	125.03	18.9895	0.01129	-0.01355	-0.01311	0.012666
449.20	1 003.00	126.68	18.7505	-0.05057	-0.01475	0.005938	0.000774
472.50	1 017.90	125.93	18.7360	-0.02384	-0.00039	0.001351	0.007151
483.90	1 018.30	125.76	18.6025	0.001862	0.006502	0.028471	-0.0048
483.00	1 011.70	122.23	18.6920	0.013759	0.018455	-0.01454	0.010163
476.40	993.20	124.02	18.5030	0.059012	-0.01052	-0.01948	-0.00571
449.10	1 003.70	126.46	18.6090	-0.01547	0.002394	0.012493	0.00156
456.10	1 001.30	124.89	18.5800	-0.00416	0.006714	0.002887	-0.0078
458.00	994.60	124.53	18.7255	0.019846	-0.01942	0.011793	-0.01421
449.00	1 014.10	123.07	18.9935	-0.04145	-0.00187	0.018203	0.010639
468.00	1 016.00	120.85	18.7925	-0.02135	0.000591	0.001325	-0.01156
478.10	1 015.40	120.69	19.0110	0.024348	0.019391	-0.00257	-0.00105
466.60	995.90	121	19.0310	-0.00086	-0.01059	0.006218	-0.01367
467.00	1 006.50	120.25	19.2930	-0.00789	0.00179	0.016349	0.008668
470.70	1 004.70	118.3	19.1265	0.022342	-0.00566	-0.00363	0.005873
460.30	1 010.40	118.73	19.0145	-0.03144	0.019589	0.005066	-0.00666
475.00	990.80	118.13	19.1415	0.019558	-0.03472	-0.00228	0.014073
465.80	1 025.80	118.4	18.8740	-0.07125	0.001561	0.010358	0.0087
500.20	1 024.20	117.18	18.7105	0.026744	0.021614	0.002735	0.000962
487.00	1 002.30	116.86	18.6925	0.046227	-0.00894	0.011966	-0.01661
465.00	1 011.30	115.47	19.0055	0.012987	0.001484	0.025524	0.001632
459.00	1 009.80	112.56	18.9745	-0.01942	0.011354	0.014317	-0.00549
468.00	998.40	110.96	19.0790	0.012903	0.01524	-0.00897	-0.00306
462.00	983.30	111.96	19.1375	0.046067	0.012279	0.0153	-0.01164
441.20	971.30	110.26	19.3615	0.039293	0.024492	0.000181	0.006633
424.20	947.80	110.24	19.2335	0.023132	-0.02088	-0.00236	0.012609
414.50	967.80	110.5	18.9925	-0.0395	-0.01059	0.012934	-0.01139
431.20	978.10	109.08	19.2100	-0.02338	0.033581	0.005516	-0.0033
441.40	945.80	108.48	19.2735	0.082614	-0.00169	0.000922	-0.00894
406.40	947.40	108.38	19.4465	-0.00735	-0.01008	-0.00992	0.000283
409.40	957.00	109.46	19.4410	-0.0374	0.022936	0.008809	-0.0112
425.00	935.30	108.5	19.6600	0.114289	0.01867	-0.00954	0.00812
379.10	918.00	109.54	19.5010	0.029989	0.01714	-0.00246	-0.01691
367.90	902.40	109.81	19.8335	0.055609	0.014511	-0.00672	-0.0137
348.00	889.40	110.55	20.1070	0.031526	-0.00135	0.006079	-0.00555
337.20	890.60	109.88	20.2190	0.015541	-0.00783	-0.02773	0.014823
332.00	897.60	112.97	19.9215	0.023774	0.007829	0.011664	-0.02104
324.20	890.60	111.66	20.3450	0.025618	-0.00816	-0.01458	0.007573
316.00	897.90	113.3	20.1915	-0.01445	0.014019	0.019879	0.001462
320.60	885.40	111.07	20.1620	0.024311	-0.01011	-0.00798	-0.0081
312.90	894.40	111.96	20.3260	-0.06526	-0.00824	-0.01445	0.00513
334.00	901.80	113.59	20.2220	0.021487	-0.02799	0.001939	0.012039
326.90	927.40	113.37	19.9800	-0.07879	-0.00741	0.020046	0.013732

353.70	934.30	111.12	19.7075	-0.01487	0.025145	0.027646	-0.00251
359.00	911.10	108.09	19.7570	0.033998	0.005724	0.011164	-0.00585
347.00	905.90	106.89	19.8730	0.002886	0.000883	-0.00606	-0.00274
346.00	905.10	107.54	19.9275	-0.00634	0.007207	-0.01605	0.007707
348.20	898.60	109.28	19.7745	0.003164	0.00782	0.002749	0.004333
347.10	891.60	108.98	19.6890	0.02953	0.013323	0.009033	0.002772
337.00	879.80	108	19.6345	0.020082	0.013618	0.001854	0.005823
330.30	867.90	107.8	19.5205	0.044892	0.017551	0.030612	-0.00136
315.80	852.80	104.55	19.5470	0.03874	-0.00456	0.005275	0.005386
303.80	856.70	104	19.4420	-0.04788	-0.00047	-0.00499	-0.00562
318.70	857.10	104.52	19.5515	0.050517	0.003858	-0.01142	-0.01167
303.00	853.80	105.72	19.7810	0.031515	-0.00979	-0.03284	0.004154
293.60	862.20	109.25	19.6990	-0.04853	0.002439	0.013176	0.010666
308.20	860.10	107.82	19.4900	-0.0084	-0.01523	-0.00083	0.025357
310.80	873.30	107.91	19.0020	-0.04775	-0.00343	-0.00296	-0.00585
326.00	876.30	108.23	19.1135	-0.05433	-0.00421	-0.01686	0.015847
344.20	880.00	110.07	18.8130	-0.01614	-0.01119	-0.00082	-0.00125
349.80	889.90	110.16	18.8365	0.025186	-0.01251	-0.00018	0.00343
341.10	901.10	110.18	18.7720	-0.02204	0.014419	0.005369	0.000533
348.70	888.20	109.59	18.7620	0.042472	0.01646	0.006959	0.001841
334.20	873.70	108.83	18.7275	0.029454	-0.00593	-0.02172	-0.00466
324.50	878.90	111.22	18.8150	-0.01983	0.04123	-0.00027	-0.01942
331.00	843.40	111.25	19.1840	0.074619	-0.01868	0.016952	-0.00758
307.20	859.30	109.38	19.3300	-0.0203	0.019151	0.030635	-0.01855
313.50	843.00	106.08	19.6920	0.095661	-0.00261	-0.00705	0.021481
284.90	845.20	106.83	19.2735	0.003516	-0.0013	-0.00876	0.0219
283.90	846.30	107.77	18.8560	-0.0178	-0.0107	0.016749	-0.00442
289.00	855.40	105.98	18.9395	-0.06042	-0.01773	-0.01721	0.005214
307.00	870.70	107.82	18.8410	-0.08159	-0.01787	-0.03723	-0.01219
333.10	886.40	111.91	19.0720	-0.0452	-0.0063	8.94E-05	0.002888
348.50	892.00	111.9	19.0170	-0.03524	-0.01701	-0.00597	0.004268
361.00	907.30	112.57	18.9360	-0.04602	-0.00297	-0.01639	0.015192
378.00	910.00	114.43	18.6505	0.010371	0.008608	0.009748	-0.01361
374.10	902.20	113.32	18.9060	0.01102	-0.00221	-0.01724	0.004958
370.00	904.20	115.29	18.8125	-0.00808	-0.0054	-0.00277	0.032111
373.00	909.10	115.61	18.2180	-0.01859	0.008284	0.007467	-0.00093
380.00	901.60	114.75	18.2350	0.030731	-0.0177	0.022295	0.007293
368.50	917.70	112.22	18.1025	-0.02254	-0.00576	0.013096	0.001935
376.90	923.00	110.76	18.0675	0.000531	0.019252	-0.00054	-0.01377
376.70	905.40	110.82	18.3180	0.00186	0.008987	0.035359	-0.00642
376.00	897.30	106.97	18.4360	0.000266	-0.03612	-0.01356	0.026827
375.90	930.30	108.43	17.9480	-0.04931	-0.03931	-0.0364	0.031842
394.90	967.60	112.45	17.3855	-0.11516	0.015624	0.018127	-0.03451
443.10	952.60	110.43	17.9960	0.065517	0.00801	-0.0151	0.003897
415.00	945.00	112.11	17.9260	0.022665	0.004986	0.003932	0.004081
405.70	940.30	111.67	17.8530	0.001727	0.009618	0.000627	-0.00678
405.00	931.30	111.6	17.9745	0.025001	0.016674	0.023573	-0.01137
395.00	915.90	109	18.1800	0.025642	-0.01151	-0.02501	0.00488

385.00	926.50	111.76	18.0915	-0.03019	0.001512	-0.00286	-0.00381
396.80	925.10	112.08	18.1605	0.016004	0.007704	-0.00747	0.004581
390.50	918.00	112.92	18.0775	-0.0112	-0.01931	-0.01241	0.015329
394.90	935.90	114.33	17.8025	-0.0494	-0.00639	0.01658	-0.00925
414.90	941.90	112.45	17.9680	-0.02075	-0.00624	8.89E-05	0.005133
423.60	947.80	112.44	17.8760	-0.06688	0.025107	0.029056	-0.01708
452.90	924.30	109.22	18.1840	0.025493	-0.00926	-0.00247	0.005625
441.50	932.90	109.49	18.0820	-0.00565	-0.01827	0.027125	-0.0287
444.00	950.10	106.56	18.6085	-0.14406	0.013671	0.02067	0.010562
512.80	937.20	104.38	18.4130	0.044461	0.041169	0.005861	-0.00655
490.50	899.40	103.77	18.5340	0.096902	0.009159	0.018774	-0.00602
445.20	891.20	101.84	18.6460	0.055653	-0.02919	-0.01723	-0.01168
421.10	917.60	103.61	18.8650	-0.06638	-0.01761	-0.01732	0.022867
450.00	933.90	105.42	18.4385	-0.06454	-0.00789	-0.01562	0.019966
480.00	941.30	107.08	18.0740	-0.03077	0.007357	-0.02271	0.004353
495.00	934.40	109.54	17.9955	-0.02592	0.035623	0.015085	-0.01053
508.00	901.70	107.9	18.1860	0.107989	0.042593	-0.0117	-0.00472
456.00	864.10	109.17	18.2720	0.110981	-0.03614	-0.00037	-0.01007
408.10	895.90	109.21	18.4570	-0.08454	-0.03628	-0.0452	0.005705
444.10	929.00	114.26	18.3520	-0.08707	0.023746	-0.00114	0.014075
484.50	907.20	114.39	18.0955	0.024022	-0.00022	0.0132	0.004847
473.00	907.40	112.89	18.0080	-0.02237	-0.0464	-0.02942	0.019316
483.70	950.50	116.26	17.6635	-0.0627	-0.01773	-0.00386	-8.5E-05
515.00	967.50	116.71	17.6650	0.00956	0.023213	0.03142	-0.01017
510.10	945.30	113.1	17.8455	0.038163	-0.00137	-0.00863	-0.00581
491.00	946.60	114.08	17.9495	-0.02613	-0.00053	-0.00586	-0.00209
504.00	947.10	114.75	17.9870	-0.00396	-0.03802	-0.00305	0.001001
506.00	983.80	115.1	17.9690	-0.05946	-0.02361	-0.0248	0.025419
537.00	1 007.30	117.99	17.5180	-0.05981	0.012588	0.004162	0.010732
570.10	994.70	117.5	17.3310	-0.00018	0.021338	0.036487	-0.00879
570.20	973.70	113.29	17.4840	0.020017	-0.05017	-0.02295	0.017249
558.90	1 023.80	115.92	17.1850	-0.04205	-0.0156	-0.00439	0.01495
582.90	1 039.90	116.43	16.9300	-0.03374	-0.00814	-0.00043	0.009496
602.90	1 048.40	116.48	16.7700	-0.01171	0.017512	0.00767	0.006521
610.00	1 030.20	115.59	16.6610	0.023218	0.01516	0.028965	0.003698
596.00	1 014.70	112.29	16.5995	0.037786	-0.0101	0.00339	-0.01646
573.90	1 025.00	111.91	16.8750	-0.0258	0.010001	0	0.000178
588.90	1 014.80	111.91	16.8720	0.023017	0.015992	0.014038	-0.00056
575.50	998.70	110.35	16.8815	0.013294	-0.0009	0.01387	-0.01011
567.90	999.60	108.83	17.0530	-0.00194	0.011268	-0.00495	0.002319
569.00	988.40	109.37	17.0135	-0.02104	-0.01745	0.009278	-0.00273
581.10	1 005.80	108.36	17.0600	-0.03865	-0.01617	-0.0274	0.007797
604.00	1 022.20	111.37	16.9275	-0.07662	0.016572	0.0152	0.000207
652.10	1 005.40	109.69	16.9240	0.014209	-0.01127	0.00732	0.00459
642.90	1 016.80	108.89	16.8465	-0.02017	0.028025	0.006634	-0.00801
656.00	988.70	108.17	16.9820	0.051293	0.001316	0.003241	-0.00353
623.20	987.40	107.82	17.0420	-0.00847	0.008135	0.037612	-0.00284
628.50	979.40	103.84	17.0905	0.045074	-0.02171	0.002024	0.021977

600.80	1 000.90	103.63	16.7190	-0.02173	-0.02613	0.005516	-0.01808
614.00	1 027.40	103.06	17.0240	-0.07224	-0.06135	-0.03677	0.005537
660.00	1 092.40	106.92	16.9300	-0.05311	-0.02558	-0.0304	-0.01762
696.00	1 120.70	110.22	17.2310	-0.01214	-0.02198	-0.03144	0.018923
704.50	1 145.60	113.74	16.9080	-0.05455	-0.01954	-0.01985	-0.01088
744.00	1 168.20	116.02	17.0930	-0.04853	-0.00937	-0.00301	0.00734
781.00	1 179.20	116.37	16.9680	-0.03027	0.003398	0.003788	0.010188
805.00	1 175.20	115.93	16.7960	0.002488	-0.00068	-0.01905	-0.00368
803.00	1 176.00	118.16	16.8580	0.001995	-0.00365	0.00144	-0.00024
801.40	1 180.30	117.99	16.8620	-0.01191	-0.00482	-0.00127	0.005829
811.00	1 186.00	118.14	16.7640	0	-0.01564	-0.0011	-0.01292
811.00	1 204.70	118.27	16.9820	-0.01905	0	-0.00607	0.001002
826.60	1 204.70	118.99	16.9650	-0.01584	-0.00464	0.006238	-5.9E-05
839.80	1 210.30	118.25	16.9660	-0.00676	0.013811	-0.00228	-0.01521
845.50	1 193.70	118.52	17.2260	0.026365	0.006893	0.002873	-0.00562
823.50	1 185.50	118.18	17.3230	0.02297	-0.00101	0.009608	-0.00133
804.80	1 186.70	117.05	17.3460	-0.00755	-0.01048	-0.00859	0.006101
810.90	1 199.20	118.06	17.2405	-0.01966	-0.00167	0.005776	-0.00304
827.00	1 201.20	117.38	17.2930	0.011554	-0.00324	-0.00916	0.005683
817.50	1 205.10	118.46	17.1950	-0.0061	0.0085	0.009329	-0.00768
822.50	1 194.90	117.36	17.3275	0.007322	-0.00609	8.52E-05	0.00289
816.50	1 202.20	117.35	17.2775	0.000613	-0.01437	-0.00043	0.019255
816.00	1 219.60	117.4	16.9480	-0.03906	-0.00865	0	0.004969
848.50	1 230.20	117.4	16.8640	-0.04325	-0.0043	0.066744	0.010521
886.00	1 235.50	109.82	16.6875	0.004298	0.008208	-0.01706	-0.00568
882.20	1 225.40	111.71	16.7825	0.026417	0.007454	0.001971	-0.00283
859.20	1 216.30	111.49	16.8300	0.01631	0.018756	0.035793	-0.00881
845.30	1 193.70	107.57	16.9790	0.030265	0.001845	0.028285	-0.00499
820.10	1 191.50	104.57	17.0640	0.017839	-0.01152	-0.0021	-0.00852
805.60	1 205.30	104.79	17.2100	-0.00421	-0.00414	-0.03267	0.00981
809.00	1 210.30	108.27	17.0420	-0.02839	-0.01215	-0.04797	0.005708
832.30	1 225.10	113.59	16.9450	-0.01514	-0.00399	0.013918	0.00681
845.00	1 230.00	112.02	16.8300	0.012504	0.015155	-0.00169	-0.00048
834.50	1 211.50	112.21	16.8380	0.022173	-0.00412	-0.01354	-0.00059
816.20	1 216.50	113.74	16.8480	-0.01387	0.002057	-0.00832	-0.01016
827.60	1 214.00	114.69	17.0200	0.012646	-0.00959	0.000174	-0.00612
817.20	1 225.70	114.67	17.1245	-0.01554	0.000326	-0.04835	0.023366
830.00	1 225.30	120.35	16.7290	-0.00852	-0.00098	-0.00116	-0.00131
837.10	1 226.50	120.49	16.7510	0.008638	0.009091	0.014883	-0.00666
829.90	1 215.40	118.71	16.8630	0.005316	0.007184	-0.01039	0.013733
825.50	1 206.70	119.95	16.6330	0.008638	-0.00965	0.012753	0.001625
818.40	1 218.40	118.43	16.6060	-0.00912	-0.00532	0.019526	0.007283
825.90	1 224.90	116.14	16.4855	-0.01	-0.00049	0.006392	-0.01125
834.20	1 225.50	115.4	16.6720	-0.00347	-0.00497	0.00269	0.002853
837.10	1 231.60	115.09	16.6245	-0.00702	-0.0068	0.006888	-0.01581
843.00	1 240.00	114.3	16.8895	0.00774	-0.00467	-0.01606	-0.01528
836.50	1 245.80	116.15	17.1495	-0.00727	-0.00249	-0.00883	0.005262
842.60	1 248.90	117.18	17.0595	0.006668	0.007959	0.020084	-0.00354

837.00	1 239.00	114.85	17.1200	0.002273	-0.00177	-0.00183	-0.01634
835.10	1 241.20	115.06	17.4020	0.003479	8.06E-05	0.005141	-0.00487
832.20	1 241.10	114.47	17.4870	0.006268	-0.00434	0.017182	0.004528
827.00	1 246.50	112.52	17.4080	0.007038	0.001445	0.021469	-0.00438
821.20	1 244.70	110.13	17.4845	0.008806	-0.0084	-0.01012	0.011534
814.00	1 255.20	111.25	17.2840	-0.01221	0.000877	-0.01738	0.012927
824.00	1 254.10	113.2	17.0620	-0.00012	0.007524	0.005847	-0.00712
824.10	1 244.70	112.54	17.1840	0.00633	-0.00561	0.028389	0.000582
818.90	1 251.70	109.39	17.1740	0.0011	-0.00383	-0.03882	-0.00407
818.00	1 256.50	113.72	17.2440	-0.00366	-0.0073	0.005644	-0.00261
821.00	1 265.70	113.08	17.2890	-0.01187	0.004752	0.001859	0.012221
830.80	1 259.70	112.87	17.0790	-0.00144	-0.00665	-0.02442	-0.00053
832.00	1 268.10	115.66	17.0880	-0.00719	0.002606	-0.0185	0.015689
838.00	1 264.80	117.82	16.8220	0.003706	-0.00103	0.039914	-0.00332
834.90	1 266.10	113.21	16.8780	0.015572	0.003006	-0.00423	-0.00464
822.00	1 262.30	113.69	16.9565	-0.00122	0.002697	0.015602	0.019443
823.00	1 258.90	111.93	16.6300	0.002433	-0.01106	-0.08245	0.020043
821.00	1 272.90	121.55	16.3000	-0.01799	0.007966	-0.02004	-0.0008
835.90	1 262.80	124.01	16.3130	0.005759	-0.00969	-0.02099	0.002209
831.10	1 275.10	126.64	16.2770	0.00012	0.008585	0.000395	-0.00012
831.00	1 264.20	126.59	16.2790	0.003617	0.000475	0.01312	-0.00193
828.00	1 263.60	124.94	16.3105	-0.03209	0.012102	0.003126	-0.00684
855.00	1 248.40	124.55	16.4225	-0.0035	-0.00511	0.007333	-0.00852
858.00	1 254.80	123.64	16.5630	-0.00093	0.010334	-0.005	-0.00746
858.80	1 241.90	124.26	16.6870	0.012655	0.007598	0.023697	-0.00936
848.00	1 232.50	121.35	16.8440	0.006744	0.007493	-0.0028	-0.00769
842.30	1 223.30	121.69	16.9740	-0.00083	-0.01356	-0.02387	0.010899
843.00	1 240.00	124.63	16.7900	-0.02298	0.003878	0.015281	0.005435
862.60	1 235.20	122.74	16.6990	-0.00162	-0.01159	0.000326	-0.01028
864.00	1 249.60	122.7	16.8715	-0.01835	0.010054	0.011228	0.000415
880.00	1 237.10	121.33	16.8645	0.005584	-0.02127	-0.04141	-0.00219
875.10	1 263.70	126.46	16.9015	-0.00672	-0.00568	0.001266	-0.0146
881.00	1 270.90	126.3	17.1500	0.001136	-0.00134	0.027289	0.003271
880.00	1 272.60	122.9	17.0940	-0.01119	-0.0022	-0.00089	0.002959
889.90	1 275.40	123.01	17.0435	0.005521	0.009137	0.001139	-0.00535
885.00	1 263.80	122.87	17.1350	0.012622	-0.00316	0.023052	-0.00361
873.90	1 267.80	120.07	17.1970	-0.00752	0.008317	0.012066	0.000262
880.50	1 257.30	118.63	17.1925	-0.00182	0	0.014348	-0.00756
882.10	1 257.30	116.94	17.3230	0.004659	-0.00278	0.01369	-0.00288
878.00	1 260.80	115.35	17.3730	-0.01054	0.001588	-0.00199	0.000115
887.30	1 258.80	115.58	17.3710	0.009398	0.001113	-0.0032	-0.00282
879.00	1 257.40	115.95	17.4200	-0.00996	0.009589	0.004322	0.003162
887.80	1 245.40	115.45	17.3650	0.008825	0.004426	0.000347	0.004386
880.00	1 239.90	115.41	17.2890	-0.0068	0.011682	-0.00208	-0.00214
886.00	1 225.50	115.65	17.3260	0.018224	0.004826	0.000173	0.006892
870.00	1 219.60	115.63	17.2070	0.022199	-0.00278	0.006159	0.00361
850.90	1 223.00	114.92	17.1450	-0.00831	0.009613	0.006898	-0.00538
858.00	1 211.30	114.13	17.2375	0.030411	0.003722	-0.00044	-0.00964

832.30	1 206.80	114.18	17.4045	-0.01633	0.004235	0.028606	-0.01324
846.00	1 201.70	110.96	17.6365	0.010576	-0.0039	-0.00135	0.012294
837.10	1 206.40	111.11	17.4210	-0.00702	-0.00141	-0.01642	0.002097
843.00	1 208.10	112.95	17.3845	-0.02113	-0.00734	-0.00987	-0.00493
861.00	1 217.00	114.07	17.4705	-0.01269	0.003952	0	-0.00994
872.00	1 212.20	114.07	17.6450	0.004483	-0.00658	-0.00977	0.010454
868.10	1 220.20	115.19	17.4615	0.001153	0.00082	0.025231	0.000487
867.10	1 219.20	112.32	17.4530	-0.00334	-0.00278	-0.03723	0.007419
870.00	1 222.60	116.58	17.3240	-0.00584	-0.00847	0.007491	-0.00251
875.10	1 233.00	115.71	17.3675	-0.01632	-0.00405	0.011211	-0.00224
889.50	1 238.00	114.42	17.4065	-0.01495	0.007052	-0.02136	-0.00593
902.90	1 229.30	116.89	17.5100	-0.01003	-0.00106	0.030841	-0.01102
912.00	1 230.60	113.34	17.7040	0.001097	-0.01091	0.009485	0.003423
911.00	1 244.10	112.27	17.6435	-0.02899	0.002334	0.007151	-0.00824
937.80	1 241.20	111.47	17.7895	0.019163	0.002581	-0.02165	0.001575
920.00	1 238.00	113.91	17.7615	-0.01242	-0.00298	0.037021	-0.00553
931.50	1 241.70	109.77	17.8600	-0.00375	0.000242	0.027242	-0.00592
935.00	1 241.40	106.82	17.9660	0.004824	0.003389	0.044213	0.006842
930.50	1 237.20	102.2	17.8435	-0.00397	0.005105	-0.01216	-0.00176
934.20	1 230.90	103.45	17.8750	0.003646	-0.01548	0.006498	0.001176
930.80	1 250.10	102.78	17.8540	-0.0162	0.002162	0.002923	-0.01158
946.00	1 247.40	102.48	18.0620	0.02126	-0.00312	-0.00623	0.001856
926.10	1 251.30	103.12	18.0285	0.006609	0.010524	0.031423	0.008607
920.00	1 238.20	99.93	17.8740	0.002285	0.001859	-0.00807	0.001764
917.90	1 235.90	100.74	17.8425	0.006448	-0.01214	0.005774	0.011981
912.00	1 251.00	100.16	17.6300	-0.01415	0.005049	0.009127	0.001022
925.00	1 244.70	99.25	17.6120	0.020203	-0.00353	-0.00191	-0.00764
906.50	1 249.10	99.44	17.7470	0.009978	-0.00447	0.000101	0.004518
897.50	1 254.70	99.43	17.6670	-0.01273	0.017122	-0.02248	0.004226
909.00	1 233.40	101.69	17.5925	0.020899	-0.01024	0.003843	0.007102
890.20	1 246.10	101.3	17.4680	-0.01317	-0.00064	0.008924	0.005597
902.00	1 246.90	100.4	17.3705	0.01677	0.008052	0.014345	-0.01718
887.00	1 236.90	98.97	17.6715	0.000902	0.008118	0.019487	-0.00828
886.20	1 226.90	97.06	17.8185	0.018449	-0.01697	0.005994	0.013134
870.00	1 247.90	96.48	17.5860	0.00115	0.002648	0.004571	-0.00392
869.00	1 244.60	96.04	17.6550	0.002073	0.008067	-0.00747	-0.00091
867.20	1 234.60	96.76	17.6710	0.020033	-0.01711	0	-0.00367
850.00	1 255.90	96.76	17.7360	-0.03013	-0.00975	-0.00083	-0.00604
876.00	1 268.20	96.84	17.8435	-0.01428	0.010702	0.005903	-0.01048
888.60	1 254.70	96.27	18.0315	0.000675	-0.01346	-0.02209	0.000388
888.00	1 271.70	98.42	18.0245	-0.00011	-0.00361	0.006013	-0.00804
888.10	1 276.30	97.83	18.1700	0.034247	0.027081	-0.00031	-0.0028
858.20	1 242.20	97.86	18.2210	0.005374	-0.00386	0	-0.00175
853.60	1 247.00	97.86	18.2530	-0.00398	0.002248	0	-0.01503
857.00	1 244.20	97.86	18.5295	0.008672	0.01156	0.010891	-0.01757
849.60	1 229.90	96.8	18.8580	0.016137	0.012353	0.018244	-0.00871
836.00	1 214.80	95.05	19.0230	0.009857	-0.02319	0.008452	5.26E-05
827.80	1 243.30	94.25	19.0220	-0.037	-0.00785	-0.0074	0.004795

859.00	1 253.10	94.95	18.9310	-0.02415	0.008415	-0.00126	0.003015
880.00	1 242.60	95.07	18.8740	0.001137	-0.00929	0.016438	0.009208
879.00	1 254.20	93.52	18.7010	-0.02583	0.008648	-0.0243	-0.00302
902.00	1 243.40	95.82	18.7575	0.003999	0.015072	0.035263	-0.00831
898.40	1 224.80	92.5	18.9140	0.009394	-0.00821	-0.01097	-0.01214
890.00	1 234.90	93.52	19.1450	-0.01117	0.012221	0	-0.0085
900.00	1 219.90	93.52	19.3085	0.006689	0.002955	0.004716	0.002048
894.00	1 216.30	93.08	19.2690	0.013514	-0.00574	-0.00589	0.000675
882.00	1 223.30	93.63	19.2560	-0.00791	-0.00033	0.000855	-0.00265
889.00	1 223.70	93.55	19.3070	0.011312	0.007958	0.004714	0.001036
879.00	1 214.00	93.11	19.2870	0.010292	0.012099	0.019521	0.001609
870.00	1 199.40	91.31	19.2560	0.018562	0.009803	0.002193	0.007585
854.00	1 187.70	91.11	19.1105	0.010595	-0.01022	0.00022	0.00501
845.00	1 199.90	91.09	19.0150	-0.0257	0.006186	-0.00263	-0.00105
867.00	1 192.50	91.33	19.0350	0.012301	0.00336	0.007694	0.013434
856.40	1 188.50	90.63	18.7810	0.005034	-0.00804	0.002541	-0.00101
852.10	1 198.10	90.4	18.8000	-0.00211	0.014291	0.009559	-0.0125
853.90	1 181.10	89.54	19.0365	0.014628	0.010212	-0.00435	0.005135
841.50	1 169.10	89.93	18.9390	0.004049	0.002741	0.002115	0.003729
838.10	1 165.90	89.74	18.8685	0.027336	-0.00786	-0.01152	-0.00119
815.50	1 175.10	90.78	18.8910	-0.00379	8.51E-05	-0.00516	0.006372
818.60	1 175.00	91.25	18.7710	0.005635	0.007689	0.006597	0.008184
814.00	1 166.00	90.65	18.6180	0.008761	0.000257	0.014221	-0.0126
806.90	1 165.70	89.37	18.8540	-0.00778	0.014865	0.009105	-0.0095
813.20	1 148.50	88.56	19.0340	0.022635	0.036622	0.0291	-0.00959
795.00	1 107.20	86.02	19.2175	0.059603	-0.0106	0.001396	0.013806
749.00	1 119.00	85.9	18.9540	-0.01458	-0.00668	0.013124	0.014963
760.00	1 126.50	84.78	18.6725	-0.01954	0.000888	0.002953	0.006582
775.00	1 125.50	84.53	18.5500	-0.00026	0.003115	0.025885	0.003754
775.20	1 122.00	82.37	18.4805	0.001549	-0.01723	0.000364	0.018321
774.00	1 141.50	82.34	18.1450	-0.04299	-0.00489	-0.01003	0.005332
808.00	1 147.10	83.17	18.0485	-0.00272	-0.00331	-0.00635	-0.00108
810.20	1 150.90	83.7	18.0680	0.002472	0.006451	-0.00334	-0.00958
808.20	1 143.50	83.98	18.2420	0.027217	-0.00314	-0.01782	0.007538
786.50	1 147.10	85.49	18.1050	-0.00571	-0.00738	-0.00676	0.006594
791.00	1 155.60	86.07	17.9860	-0.00618	0.013065	-0.02308	-0.00316
795.90	1 140.60	88.08	18.0430	0.040906	-0.01462	0.001818	0.009523
764.00	1 157.40	87.92	17.8720	-0.03915	-0.01254	-0.00011	0.001344
794.50	1 172.00	87.93	17.8480	-0.02302	0.006763	0.00891	0.011722
813.00	1 164.10	87.15	17.6400	0	-0.0018	0.001148	0.007568
813.00	1 166.20	87.05	17.5070	-0.01137	-0.00633	0.00253	0.013427
822.30	1 173.60	86.83	17.2735	0.004632	0.004526	0.017426	-0.0013
818.50	1 168.30	85.33	17.2960	0.009205	0.00644	0.007292	-0.00927
811.00	1 160.80	84.71	17.4570	0.002469	0.002847	0.007703	-0.01003
809.00	1 157.50	84.06	17.6330	0.004832	0.001297	0.019096	-0.0015
805.10	1 156.00	82.47	17.6595	0.003858	-0.00681	0.014658	-0.01484
802.00	1 163.90	81.27	17.9235	-0.01718	0.008109	-0.01647	0.015774
815.90	1 154.50	82.62	17.6430	0.015937	-0.00311	0.008631	0.005228

803.00	1 158.10	81.91	17.5510	-0.0005	0.017421	0.014263	0.000228
803.40	1 138.10	80.75	17.5470	0.008626	-0.00167	-0.00654	-0.01291
796.50	1 140.00	81.28	17.7750	0.012634	0.007307	-0.00491	0.012226
786.50	1 131.70	81.68	17.5590	0.012152	-0.00423	0.00688	-0.01688
777.00	1 136.50	81.12	17.8580	-0.00526	0.002555	-0.01444	0.023599
781.10	1 133.60	82.3	17.4415	0.003977	-0.00747	0.004384	-0.00435
778.00	1 142.10	81.94	17.5175	-0.0041	-0.00018	-0.01946	0.004205
781.20	1 142.30	83.55	17.4440	0.00282	-0.00837	-0.00549	-0.00503
779.00	1 151.90	84.01	17.5320	-0.00589	0.010384	0.012216	0.001484
783.60	1 140.00	82.99	17.5060	0.027821	-0.01004	-0.00108	-0.00692
762.10	1 151.50	83.08	17.6275	-0.01679	0.008635	-0.00958	0.004549
775.00	1 141.60	83.88	17.5475	0.019545	-0.00359	0.002507	-0.00514
760.00	1 145.70	83.67	17.6380	0.001976	0.002272	-0.01589	0.004745
758.50	1 143.10	85.01	17.5545	0.017556	0.011969	0.01972	-0.00718
745.30	1 129.50	83.35	17.6810	0.030378	0.000974	-0.00084	-0.01585
723.00	1 128.40	83.42	17.9635	0	0.001508	0.008789	0.005107
723.00	1 126.70	82.69	17.8720	0.006244	-0.00434	0.023493	-0.00816
718.50	1 131.60	80.77	18.0185	-0.01162	0.009768	0.02482	-0.00155
726.90	1 120.60	78.79	18.0465	0.016646	-0.00906	0.013802	-0.01261
714.90	1 130.80	77.71	18.2755	-0.0078	-0.00441	-0.01304	0.000848
720.50	1 135.80	78.73	18.2600	-0.00471	0.005651	0.013298	-0.0116
723.90	1 129.40	77.69	18.4730	0.017981	0.000177	0.005162	0.007171
711.00	1 129.20	77.29	18.3410	-0.00281	-0.00741	-0.01884	-0.01386
713.00	1 137.60	78.76	18.5970	-0.00713	0.003699	-0.00834	-0.01311
718.10	1 133.40	79.42	18.8425	0.015578	0.005751	0.025376	-0.00231
707.00	1 126.90	77.43	18.8860	0.006243	-0.01103	-0.01868	-0.00066
702.60	1 139.40	78.89	18.8985	-0.0168	-0.00245	0.005466	-0.0005
714.50	1 142.20	78.46	18.9080	-0.00196	-0.00454	-0.00547	-0.01149
715.90	1 147.40	78.89	19.1265	-0.00987	-0.00174	0.004701	0.000445
723.00	1 149.40	78.52	19.1180	-0.011	0.009265	0.012559	-0.01822
731.00	1 138.80	77.54	19.4695	0.016274	-0.00351	-0.00425	-0.0008
719.20	1 142.80	77.87	19.4850	-0.0134	0.006056	0.005021	0.009488
728.90	1 135.90	77.48	19.3010	0.017158	-0.0085	0.022185	-0.0111
716.50	1 145.60	75.78	19.5165	-0.02957	-0.02201	0.009946	0.016324
738.00	1 171.10	75.03	19.2005	-0.00271	-0.00604	0.001334	-0.00304
740.00	1 178.20	74.93	19.2590	-0.00673	0.01859	-0.00798	-0.00879
745.00	1 156.50	75.53	19.4290	0.02171	0.013405	0.000265	-0.00383
729.00	1 141.10	75.51	19.5035	0.023315	-0.01185	-0.00713	-0.00504
712.20	1 154.70	76.05	19.6020	-0.0095	0.002515	0.011772	0.010926
719.00	1 151.80	75.16	19.3890	-0.00097	0.003305	0.00882	-0.00678
719.70	1 148.00	74.5	19.5210	0.007811	0.005153	0.051788	-0.00811
714.10	1 142.10	70.74	19.6800	0.019943	-0.00889	0.001839	-0.00218
700.00	1 152.30	70.61	19.7230	-0.02078	-0.02384	-0.03438	0.006639
714.70	1 180.10	73.08	19.5925	-0.02733	0.005779	-0.00546	0.001788
734.50	1 173.30	73.48	19.5575	0.007516	-0.0127	-0.01834	0.010434
729.00	1 188.30	74.84	19.3545	-0.01633	0.003119	-0.00347	0.004843
741.00	1 184.60	75.1	19.2610	-0.00498	-0.01016	-0.0216	0.000597
744.70	1 196.70	76.74	19.2495	-0.01612	0.01236	0.028819	-0.00676

756.80	1 182.00	74.56	19.3800	0.033319	0.007217	-0.00775	-0.00581
732.00	1 173.50	75.14	19.4930	0.010575	0.005554	-0.01964	0.008061
724.30	1 167.00	76.63	19.3365	0.00999	-0.00564	-0.01554	-0.00013
717.10	1 173.60	77.83	19.3390	-0.01165	-0.01581	-0.02612	0.032211
725.50	1 192.30	79.89	18.7260	-0.01817	-0.00602	-0.02044	0.001764
738.80	1 199.50	81.54	18.6930	-0.01304	0.000334	0.003194	-0.00192
748.50	1 199.10	81.28	18.7290	-0.00732	0.001669	-0.01974	-0.00155
754.00	1 197.10	82.9	18.7580	-0.01448	-0.00732	-0.01032	0.002429
765.00	1 205.90	83.76	18.7125	-0.0117	0.013525	0.001912	-0.00163
774.00	1 189.70	83.6	18.7430	0.005181	-0.0005	0.020178	0.001388
770.00	1 190.30	81.93	18.7170	-0.0129	0.013278	0.055587	-0.01453
780.00	1 174.60	77.5	18.9910	0.017459	-0.0142	-0.01409	0.001265
766.50	1 191.40	78.6	18.9670	-0.05297	0.006315	0.024992	-0.00203
808.20	1 183.90	76.66	19.0055	0.010198	-0.00463	0.014983	-0.0138
800.00	1 189.40	75.52	19.2695	0.003757	0.011926	-0.03103	-0.0035
797.00	1 175.30	77.9	19.3370	0.035764	0.007601	0.00812	-0.00662
769.00	1 166.40	77.27	19.4655	0.023552	-0.00291	-0.00413	-0.00244
751.10	1 169.80	77.59	19.5130	0.006813	0.008154	0.024	-0.01253
746.00	1 160.30	75.75	19.7590	0.014447	0.015372	-0.00737	0.00487
735.30	1 142.60	76.31	19.6630	0.026598	-0.00428	0.000262	0.005099
716.00	1 147.50	76.29	19.5630	-0.00279	-0.00487	0.009747	-0.00487
718.00	1 153.10	75.55	19.6585	-0.02883	-0.01873	0.000397	0.000738
739.00	1 174.90	75.52	19.6440	-0.02473	8.51E-05	-0.01459	-0.01906
757.50	1 174.80	76.63	20.0220	-0.00316	0.00213	0.002352	0.002475
759.90	1 172.30	76.45	19.9725	-0.00079	0.020337	0.027853	-0.00718
760.50	1 148.70	74.35	20.1165	0.047804	0.000784	-0.01137	0.004334
725.00	1 147.80	75.2	20.0295	-0.00619	0.006117	0.008547	-1E-04
729.50	1 140.80	74.56	20.0315	0.007568	0.020636	0.021556	-0.00739
724.00	1 117.50	72.97	20.1800	0.06712	-0.00134	0.016861	-0.01187
677.00	1 119.00	71.75	20.4210	-0.01873	0.017034	0.000279	-0.00635
689.80	1 100.10	71.73	20.5510	0.020209	-0.00345	-0.04378	-0.02176
676.00	1 103.90	74.94	21.0030	0.004596	-0.00884	0.009789	-0.00783
672.90	1 113.70	74.21	21.1680	-0.01914	-0.01824	-0.03248	0.010209
685.90	1 134.20	76.66	20.9530	-0.02888	0.003179	0.005887	0.006536
706.00	1 130.60	76.21	20.8165	-0.00635	-0.00644	0.01374	-0.00501
710.50	1 137.90	75.17	20.9210	-0.00575	-0.01058	-0.00066	0.002393
714.60	1 150.00	75.22	20.8710	-0.01858	-0.01929	-0.03732	-0.00597
728.00	1 172.40	78.08	20.9960	-0.00684	-0.01103	-0.00575	0.003148
733.00	1 185.40	78.53	20.9300	-0.02439	0.017445	0.019026	0.007096
751.10	1 164.90	77.05	20.7820	0.020988	0.005855	-0.00608	-0.00038
735.50	1 158.10	77.52	20.7900	0.008877	-0.00276	0.018225	-0.00552
729.00	1 161.30	76.12	20.9050	-0.01498	0.002932	0.010964	0.004555
740.00	1 157.90	75.29	20.8100	0.012237	0.003981	0.002394	-0.00628
731.00	1 153.30	75.11	20.9410	0.006863	0.006786	0.024666	-0.01575
726.00	1 145.50	73.28	21.2735	0.008438	0.011237	-0.01423	0.000329
719.90	1 132.70	74.33	21.2665	0.026604	0.02268	0.008783	-0.01755
701.00	1 107.30	73.68	21.6430	0.054226	0.0038	0.031013	-0.00351
664.00	1 103.10	71.43	21.7190	0.018238	-0.01019	0.004771	-0.00652

652.00	1 114.40	71.09	21.8610	-0.02409	-0.01858	-0.01049	0.005895
667.90	1 135.30	71.84	21.7325	-0.01353	-0.04116	-0.01766	0.022475
677.00	1 183.00	73.12	21.2495	-0.09839	0.020496	0.004661	0.011525
747.00	1 159.00	72.78	21.0060	0.021652	0.00415	-0.00411	-0.00052
731.00	1 154.20	73.08	21.0170	-0.03877	-0.01343	0.001095	-0.00323
759.90	1 169.80	73	21.0850	-0.00669	0.021166	-0.00764	0.019927
765.00	1 145.30	73.56	20.6690	0.019936	0.009034	0.041213	-0.01729
749.90	1 135.00	70.59	21.0295	0.01329	0.034053	0.049513	0.014393
740.00	1 097.00	67.18	20.7290	0.035347	-0.05291	-0.03568	0.00331
714.30	1 156.60	69.62	20.6605	-0.08542	0.017619	-0.01185	0.014308
778.00	1 136.40	70.45	20.3670	0.028685	-0.00527	0.012714	-0.01511
756.00	1 142.40	69.56	20.6770	0.007702	-0.04107	-0.03253	0.007817
750.20	1 190.30	71.86	20.5160	-0.07546	-0.02095	-0.04437	-0.02436
809.00	1 215.50	75.12	21.0220	-0.01958	0.018601	0.01678	0.02378
825.00	1 193.10	73.87	20.5280	0.038426	-0.00134	-0.03407	-0.0036
793.90	1 194.70	76.43	20.6020	-0.01513	-0.02537	-0.03825	0.015704
806.00	1 225.40	79.41	20.2810	-0.03415	-0.00821	0.008981	0.007399
834.00	1 235.50	78.7	20.1315	-0.00538	0.023255	-0.0038	-0.00067
838.50	1 207.10	79	20.1450	0.047003	-0.02107	0.011714	0.004976
800.00	1 232.80	78.08	20.0450	-0.03705	0.072487	0.020705	-0.00373
830.20	1 146.60	76.48	20.1200	0.136875	-0.02888	-0.04762	-0.02832
724.00	1 180.20	80.21	20.6980	-0.0616	-0.01229	-0.02584	0.018185
770.00	1 194.80	82.31	20.3250	-0.02943	-0.05003	-0.03674	0.019274
793.00	1 256.10	85.39	19.9370	-0.06233	-0.02088	-0.03113	0.028594
844.00	1 282.60	88.09	19.3750	-0.02296	0.005159	0.021805	0.005071
863.60	1 276.00	86.19	19.2770	0.015285	-0.00071	-0.00728	0.002545
850.50	1 276.90	86.82	19.2280	-0.00176	0.005103	0.026021	-0.00586
852.00	1 270.40	84.59	19.3410	0.020155	-0.0218	-0.01175	-0.00505
835.00	1 298.40	85.59	19.4390	-0.02717	-0.0124	-0.01312	0.023843
858.00	1 314.60	86.72	18.9810	-0.02304	0.016877	0.007291	0.000527
878.00	1 292.60	86.09	18.9710	0.021878	0.012534	0.017695	-0.00688
859.00	1 276.50	84.58	19.1020	0.012888	-0.00897	0.000355	0.011981
848.00	1 288.00	84.55	18.8745	-0.02227	0.002721	-0.00213	0.002998
867.10	1 284.50	84.73	18.8180	0.000115	-0.00109	0.019545	0.001729
867.00	1 285.90	83.09	18.7855	0.004045	-0.00736	-0.02049	0.008419
863.50	1 295.40	84.81	18.6280	0.001739	-0.00677	-0.02434	0.006409
862.00	1 304.20	86.9	18.5090	-0.01839	0.008161	0.012622	0.008464
878.00	1 293.60	85.81	18.3530	-0.00216	0.030293	0.028008	-0.00554
879.90	1 255.00	83.44	18.4550	0.038226	0.005994	-0.02099	-0.00338
846.90	1 247.50	85.21	18.5175	0.012954	0.010638	0.029053	-0.00807
836.00	1 234.30	82.77	18.6675	0.019324	0.011817	0.001693	-0.00564
820.00	1 219.80	82.63	18.7730	0.02095	-0.019	-0.02226	-0.00518
803.00	1 243.20	84.49	18.8705	-0.02278	0.005727	-0.00661	0.002627
821.50	1 236.10	85.05	18.8210	0.010401	0.007063	0.006724	0.001116
813.00	1 227.40	84.48	18.8000	0.017996	0.003755	0.022142	0.007367
798.50	1 222.80	82.63	18.6620	0.004644	0.021492	0.027732	-0.00827
794.80	1 196.80	80.37	18.8170	0.021364	-0.01328	0.011387	-0.00403
778.00	1 212.80	79.46	18.8930	-0.01404	0.00695	-0.0054	0.002172

789.00	1 204.40	79.89	18.8520	0.001776	-0.00522	0.024198	-0.00613
787.60	1 210.70	77.98	18.9680	0.002543	0.011464	-0.00843	-0.00693
785.60	1 196.90	78.64	19.1000	0.023961	0.010921	0.007787	0.001546
767.00	1 183.90	78.03	19.0705	0.009168	-0.00278	-0.0145	0.011418
760.00	1 187.20	79.17	18.8540	-0.00394	0.00177	0.013735	0.005185
763.00	1 185.10	78.09	18.7565	0.015187	-0.0032	-0.00358	-0.00093
751.50	1 188.90	78.37	18.7740	0.000666	-0.01635	-0.02171	0.005689
751.00	1 208.50	80.09	18.6675	-0.02498	-0.00791	-0.00237	0.010311
770.00	1 218.10	80.28	18.4760	-0.02057	0.013389	0.010393	-2.7E-05
786.00	1 201.90	79.45	18.4765	0.020566	0.012727	0.030284	-0.01036
770.00	1 186.70	77.08	18.6690	0.010444	-0.00194	-0.0294	0.006314
762.00	1 189.00	79.38	18.5515	0.002628	0.010229	-0.00076	-0.00556
760.00	1 176.90	79.44	18.6550	0.033312	-0.00042	-0.01064	-0.0031
735.10	1 177.40	80.29	18.7130	-0.01015	0.004853	0.019113	-0.0066
742.60	1 171.70	78.77	18.8370	-0.00188	0.000854	-0.00216	0.001727
744.00	1 170.70	78.94	18.8045	-0.00134	0.011944	-0.00329	-0.00104
745.00	1 156.80	79.2	18.8240	0.029284	0.008508	0.016807	-0.00838
723.50	1 147.00	77.88	18.9825	0.017428	-0.00183	-0.00997	0.009474
711.00	1 149.10	78.66	18.8035	-0.01397	0.001742	0.014857	-0.00744
721.00	1 147.10	77.5	18.9440	0.006959	-0.00078	0.018624	-0.00621
716.00	1 148.00	76.07	19.0620	0.001537	0.008134	-0.00381	0.001864
714.90	1 138.70	76.36	19.0265	0.013236	0.011216	0.026272	-0.00631
705.50	1 126.00	74.38	19.1470	-0.00212	-0.0106	-0.03462	0.000313
707.00	1 138.00	77	19.1410	-0.01474	-0.00473	0.007299	0.003559
717.50	1 143.40	76.44	19.0730	-0.00334	-0.00975	-0.00665	0.007314
719.90	1 154.60	76.95	18.9340	-0.03037	0.003992	0.00091	0.002194
742.10	1 150.00	76.88	18.8925	0.019046	0.007419	0.003518	0.00204
728.10	1 141.50	76.61	18.8540	0.010493	-0.00959	0.022707	-0.00619
720.50	1 152.50	74.89	18.9710	-0.00346	0.010204	0.000935	0.004702
723.00	1 140.80	74.82	18.8820	0.033043	0.024311	0.045528	-0.00975
699.50	1 113.40	71.49	19.0670	0.024603	-0.00769	-0.01196	0.006472
682.50	1 122.00	72.35	18.9440	-0.00439	-0.00923	0.027322	-0.00421
685.50	1 132.40	70.4	19.0240	-0.01807	0.018539	0	0.005482
698.00	1 111.60	70.4	18.9200	0.027303	0.017057	0.011141	-0.0137
679.20	1 092.80	69.62	19.1810	0.035517	-0.00137	-0.00701	0.000365
655.50	1 094.30	70.11	19.1740	-0.02783	-0.03669	-0.01683	0.001932
674.00	1 135.20	71.3	19.1370	-0.02491	-0.03378	-0.06081	0.020857
691.00	1 174.20	75.77	18.7420	-0.05614	-0.00204	0.024448	0.007068
730.90	1 176.60	73.94	18.6100	-0.00137	-0.01006	0.032438	0.000215
731.90	1 188.50	71.58	18.6060	-0.01101	0.009978	0.005323	-0.01589
740.00	1 176.70	71.2	18.9040	0.020754	-0.00821	0.007755	0.005038
724.80	1 186.40	70.65	18.8090	-0.02075	0.001096	-0.02929	0.00723
740.00	1 185.10	72.75	18.6735	-0.01342	0.001605	0.001651	0.00901
750.00	1 183.20	72.63	18.5060	-0.00253	-0.00967	0.006215	0.007131
751.90	1 194.70	72.18	18.3745	-0.00252	0.009503	-0.00759	-0.00329
753.80	1 183.40	72.73	18.4350	0.016722	-0.02734	-0.01907	-0.00608
741.30	1 216.20	74.13	18.5475	-0.04575	-0.00337	-0.01287	0.004566
776.00	1 220.30	75.09	18.4630	-0.01788	0.008559	-0.0012	0.02351

790.00	1 209.90	75.18	18.0340	-0.01008	0.020289	-0.02197	-0.00083
798.00	1 185.60	76.85	18.0490	0.014897	-0.01124	-0.00984	0.006169
786.20	1 199.00	77.61	17.9380	-0.01113	0.012083	0.000516	-0.00434
795.00	1 184.60	77.57	18.0160	0.045024	0.006776	-0.02307	-0.00305
760.00	1 176.60	79.38	18.0710	0.008855	-0.00509	-0.00953	0.001606
753.30	1 182.60	80.14	18.0420	-0.00027	0.021712	0.000999	-0.01037
753.50	1 157.20	80.06	18.2300	0.026901	0.003896	-0.00635	-0.0079
733.50	1 152.70	80.57	18.3745	0.01014	-0.00346	0.005351	0.009213
726.10	1 156.70	80.14	18.2060	-0.00946	0.00607	0.010915	-0.00425
733.00	1 149.70	79.27	18.2835	0.025143	0.015073	0.002779	0.006502
714.80	1 132.50	79.05	18.1650	0.025935	0.013513	0.018255	-0.01462
696.50	1 117.30	77.62	18.4325	-0.00287	-0.00749	0.012576	0.001928
698.50	1 125.70	76.65	18.3970	-0.00628	0.010089	0.000783	0.000788
702.90	1 114.40	76.59	18.3825	0.018523	0.008199	0.03616	-0.00209
690.00	1 105.30	73.87	18.4210	0.010197	-0.00559	0.030653	-0.00304
683.00	1 111.50	71.64	18.4770	-0.0128	0.002162	-0.01524	0.005889
691.80	1 109.10	72.74	18.3685	0.01207	0.000451	0.012033	0.000926
683.50	1 108.60	71.87	18.3515	0.000732	-0.00818	0.008243	0.003658
683.00	1 117.70	71.28	18.2845	-0.02744	0.002867	-0.02849	0.011911
702.00	1 114.50	73.34	18.0680	-0.01274	0.015918	0.027789	0.000692
711.00	1 096.90	71.33	18.0555	0.029546	-0.00754	0.001965	0.022318
690.30	1 105.20	71.19	17.6570	-0.02673	-0.00433	0.015858	-5.7E-05
709.00	1 110.00	70.07	17.6580	-0.01122	0.008141	-0.01192	0.008874
717.00	1 101.00	70.91	17.5020	0.006296	-0.00444	-0.03764	0.000857
712.50	1 105.90	73.63	17.4870	0.003233	-0.0132	-0.0175	-0.00131
710.20	1 120.60	74.93	17.5100	-0.03636	-0.01681	-0.01654	0.011892
736.50	1 139.60	76.18	17.3030	-0.00461	-0.00917	-0.02027	0.000867
739.90	1 150.10	77.74	17.2880	-0.00821	0.019314	-0.00026	0.008277
746.00	1 128.10	77.76	17.1455	0.014175	0.010694	0.010341	-0.00367
735.50	1 116.10	76.96	17.2085	0.01645	-0.00116	-0.0221	0.001425
723.50	1 117.40	78.68	17.1840	0.001383	0.000806	0.011633	-0.0139
722.50	1 116.50	77.77	17.4245	0.010435	0.004488	0.023022	-0.00161
715.00	1 111.50	76	17.4525	0.009838	-0.01474	-0.00747	0.015795
708.00	1 128.00	76.57	17.1790	-0.04569	-0.0112	0.016061	-0.01373
741.10	1 140.70	75.35	17.4165	-0.01726	-0.01203	-0.03636	0.007261
754.00	1 154.50	78.14	17.2905	-0.00199	0.003818	0.032914	-0.00887
755.50	1 150.10	75.61	17.4445	-0.0033	0.002699	-0.01105	0.013011
758.00	1 147.00	76.45	17.2190	-0.00066	0.001309	-0.02824	0.011566
758.50	1 145.50	78.64	17.0210	0.001451	-0.00601	0.019259	0.001352
757.40	1 152.40	77.14	16.9980	-0.02168	8.68E-05	0.03067	-0.0049
774.00	1 152.30	74.81	17.0815	-0.01092	-0.01422	-0.00493	-0.00805
782.50	1 168.80	75.18	17.2195	-0.01899	0.009629	-0.02379	0.011418
797.50	1 157.60	76.99	17.0240	0.016435	0.000605	-0.00104	0.00047
784.50	1 156.90	77.07	17.0160	-0.00064	-0.00095	-0.00143	-0.002
785.00	1 158.00	77.18	17.0500	-0.00381	0.019974	0.021875	-0.01704
788.00	1 135.10	75.51	17.3430	0.034865	-0.01182	-0.0327	-0.00101
761.00	1 148.60	78.02	17.3605	0.00395	0.017034	-0.00243	-0.0066
758.00	1 129.20	78.21	17.4755	0.002642	0.015349	0.032884	-0.02031

756.00	1 112.00	75.68	17.8340	0.022743	-0.01641	0.001587	-0.00308
739.00	1 130.40	75.56	17.8890	-0.01211	-0.00968	0.00864	-0.00757
748.00	1 141.40	74.91	18.0250	-0.01592	0.010392	-0.02985	0.017009
760.00	1 129.60	77.18	17.7210	0.052679	-0.0199	0.006369	0.001355
721.00	1 152.30	76.69	17.6970	-0.04343	-0.01439	0.003134	0.009139
753.00	1 169.00	76.45	17.5360	-0.03523	-0.00529	-0.01648	0.015459
780.00	1 175.20	77.72	17.2670	-0.00639	0.020633	-0.0082	-0.00139
785.00	1 151.20	78.36	17.2910	0.009086	-0.01054	0.007944	0.00249
777.90	1 163.40	77.74	17.2480	-0.00462	-0.00489	0.015948	-0.00232
781.50	1 169.10	76.51	17.2880	-0.0117	0.014735	0.008532	0.004173
790.70	1 152.00	75.86	17.2160	0.006598	-0.00355	0.017017	-0.00715
785.50	1 156.10	74.58	17.3395	0.013328	-0.00526	0.019497	0.003843
775.10	1 162.20	73.14	17.2730	-0.01269	-0.01231	0.01349	-0.00451
785.00	1 176.60	72.16	17.3510	0	0.011368	0.018886	-0.00638
785.00	1 163.30	70.81	17.4620	0.037642	-0.0173	0.000848	-0.00109
756.00	1 183.60	70.75	17.4810	-0.01835	0.030975	0.018545	-0.0063
770.00	1 147.50	69.45	17.5915	0.026317	0.004017	0.014211	0.005272
750.00	1 142.90	68.47	17.4990	0.004142	0.007641	0.012048	-0.00103
746.90	1 134.20	67.65	17.5170	0.009281	-0.00878	-0.01263	0.005381
740.00	1 144.20	68.51	17.4230	0.00678	0.018168	0.0486	-5.7E-05
735.00	1 123.60	65.26	17.4240	0.042808	0.006877	-0.01882	-0.00132
704.20	1 115.90	66.5	17.4470	0.013007	-0.03262	-0.00928	-0.00303
695.10	1 152.90	67.12	17.5000	-0.05649	-0.00364	0.019558	0.014476
735.50	1 157.10	65.82	17.2485	-0.04779	0.010425	0.018245	-0.00072
771.50	1 145.10	64.63	17.2610	0.0256	0.002361	0.000464	0.006772
752.00	1 142.40	64.6	17.1445	0.033122	-0.01477	-0.00602	-0.00317
727.50	1 159.40	64.99	17.1990	-0.0169	-0.00602	-0.03686	0.005977
739.90	1 166.40	67.43	17.0965	-0.02166	0.002919	-0.03239	0.005513
756.10	1 163.00	69.65	17.0025	0.002516	0.020062	0.022359	-0.00747
754.20	1 139.90	68.11	17.1300	0.024427	-0.01368	-0.0376	0.002221
736.00	1 155.60	70.72	17.0920	0.004084	-0.00759	-0.01181	-0.00099
733.00	1 164.40	71.56	17.1090	-0.0388	0.008279	0.043557	-0.00018
762.00	1 154.80	68.51	17.1120	0.018811	0.018617	0.029327	-0.012
747.80	1 133.50	66.53	17.3185	0.025462	-8.8E-05	-0.0057	-0.0065
729.00	1 133.60	66.91	17.4315	-0.00547	-0.00686	-0.02727	-0.00258
733.00	1 141.40	68.76	17.4765	-0.01247	-0.00533	-0.0029	-0.00043
742.20	1 147.50	68.96	17.4840	-0.01312	-0.00469	-0.01153	-0.00054
752.00	1 152.90	69.76	17.4935	-0.00795	-0.00493	0.00806	-0.00613
758.00	1 158.60	69.2	17.6010	-0.00671	0.009104	0.049773	-0.01298
763.10	1 148.10	65.84	17.8310	0.042976	0.012798	-0.01418	-0.00568
731.00	1 133.50	66.78	17.9325	0.026336	0.011892	-0.0122	-0.00567
712.00	1 120.10	67.6	18.0345	0.0113	-0.04128	-0.01731	-0.00302
704.00	1 167.30	68.78	18.0890	-0.06596	0.004379	-0.00348	0.016949
752.00	1 162.20	69.02	17.7850	0.002396	0.025711	-0.05332	0.001379
750.20	1 132.70	72.8	17.7605	0.089608	-0.02269	0.029553	-2.8E-05
685.90	1 158.70	70.68	17.7610	-0.07727	-0.00774	-0.00085	-0.00539
741.00	1 167.70	70.74	17.8570	-0.00498	-0.02294	-0.03282	0.005897
744.70	1 194.80	73.1	17.7520	-0.03016	-0.00075	-0.01682	-0.00014

767.50	1 195.70	74.34	17.7545	-0.01423	0.04823	0.008511	-0.00113
778.50	1 139.40	73.71	17.7745	0.089291	0.002197	-0.00054	-0.00712
712.00	1 136.90	73.75	17.9015	0.016998	0.011767	0.012828	-0.00726
700.00	1 123.60	72.81	18.0320	0.027518	-0.01563	0.058687	-0.00492
681.00	1 141.30	68.66	18.1210	-0.02752	0.011101	0.000146	-0.0086
700.00	1 128.70	68.65	18.2775	0.019474	-0.03713	-0.0383	0.01056
686.50	1 171.40	71.33	18.0855	-0.04347	0.003849	-0.0335	0.002491
717.00	1 166.90	73.76	18.0405	0.000139	0.045586	-0.00365	-0.00721
716.90	1 114.90	74.03	18.1710	0.070648	0.001167	0.033655	-0.00253
668.00	1 113.60	71.58	18.2170	-0.00478	-0.03468	-0.03041	0.002501
671.20	1 152.90	73.79	18.1715	-0.06322	0.010025	-0.00568	-0.00225
715.00	1 141.40	74.21	18.2125	-0.00279	-0.00228	-0.00538	0.008243
717.00	1 144.00	74.61	18.0630	-0.01247	0.020756	0.002953	0.002134
726.00	1 120.50	74.39	18.0245	0.061055	0.025581	0.007692	0.005201
683.00	1 092.20	73.82	17.9310	0.040334	-0.00101	0.012541	0.008119
656.00	1 093.30	72.9	17.7860	-0.00608	0.025475	0.039451	-0.00767
660.00	1 065.80	70.08	17.9230	0.046838	0.033973	0.018143	-0.01391
629.80	1 030.20	68.82	18.1740	0.061896	0.035469	0.045027	-0.00239
592.00	994.30	65.79	18.2175	0.089903	0.007774	-0.0408	0.011789
541.10	986.60	68.53	18.0040	-0.00166	-0.00647	-0.01808	0.006156
542.00	993.00	69.78	17.8935	-0.0246	0.01277	0.013853	0.001258
555.50	980.40	68.82	17.8710	0.00995	0.023948	0.011105	-0.01215
550.00	957.20	68.06	18.0895	0.039875	0.002301	0.040479	-0.00326
528.50	955.00	65.36	18.1485	-0.00641	-0.01435	-0.00868	-0.00146
531.90	968.80	65.93	18.1750	-0.00581	0.00642	0.01976	0.000771
535.00	962.60	64.64	18.1610	0.015066	0.0193	0.017164	-0.01109
527.00	944.20	63.54	18.3635	0.026925	-0.00444	0.024213	-0.00025
513.00	948.40	62.02	18.3680	-0.01643	-0.00137	0.012493	0.001553
521.50	949.70	61.25	18.3395	0.023476	0.019457	0.012651	-0.01289
509.40	931.40	60.48	18.5775	0.038216	0.025775	0.037569	-0.00215
490.30	907.70	58.25	18.6175	0.03931	0.021154	-0.00309	-0.0022
471.40	888.70	58.43	18.6585	0.03541	-0.00202	-0.01259	0.005266
455.00	890.50	59.17	18.5605	-0.00022	0.009138	-0.00908	-0.01117
455.10	882.40	59.71	18.7690	-0.00526	0.001928	-0.03019	0.007407
457.50	880.70	61.54	18.6305	-0.04321	-0.00656	-0.06602	0.002714
477.70	886.50	65.74	18.5800	-0.01723	-0.014	-0.04142	0.02358
486.00	899.00	68.52	18.1470	-0.02238	0.00089	0.006002	-0.02097
497.00	898.20	68.11	18.5315	-0.01001	0.007039	-0.02379	0.006198
502.00	891.90	69.75	18.4170	0.030131	-0.00325	0.02394	-0.00406
487.10	894.80	68.1	18.4920	0.019905	0.002014	-0.01052	-0.00416
477.50	893.00	68.82	18.5690	-0.01352	-0.01302	0.005099	-0.00847
484.00	904.70	68.47	18.7270	0.009132	0.020999	0.031301	0.004844
479.60	885.90	66.36	18.6365	0.044338	-0.01457	0.003472	-0.00623
458.80	898.90	66.13	18.7530	-0.01342	-0.03605	-0.06371	-0.00248
465.00	931.90	70.48	18.7995	-0.06655	0.010463	0.007405	-0.0109
497.00	922.20	69.96	19.0055	0.006865	0	0.014542	-0.00757
493.60	922.20	68.95	19.1500	0.01141	-0.01089	-0.02251	-0.00905
488.00	932.30	70.52	19.3240	-0.03246	-0.00833	0.029209	-0.0076

504.10	940.10	68.49	19.4715	-0.03298	-0.01813	-0.03063	0.023803
521.00	957.30	70.62	19.0135	-0.04118	-0.0078	-0.01532	0.004269
542.90	964.80	71.71	18.9325	-0.01026	-0.00455	0.016734	-0.01127
548.50	969.20	70.52	19.1470	-0.00817	0.008913	0.02266	0.006839
553.00	960.60	68.94	19.0165	0.010909	0.021146	0.019481	-0.01893
547.00	940.50	67.61	19.3800	0.022369	-0.0111	-0.00236	0.002221
534.90	951.00	67.77	19.3370	-0.0041	0.019752	0.001329	0.01695
537.10	932.40	67.68	19.0120	0.034473	0.009375	0.022866	5.26E-05
518.90	923.70	66.15	19.0110	0.02123	-0.00454	-0.02272	0.014918
508.00	927.90	67.67	18.7295	0.007905	0.010509	0.015938	-0.0067
504.00	918.20	66.6	18.8555	0.020243	0.060148	0.024625	-0.00963
493.90	864.60	64.98	19.0380	0.093085	-0.04179	0.023512	-0.01421

D)		E(ri)	0.000149041	0.000582	1.60391E-05
	-0.4506	-0.88295	-0.93553	rf	0.03
	-0.55428	-0.69547	-1.04048	beta3	beta2
	-0.51439	-0.85064	-0.97627	-0.000648202	0.00013
	-0.35753	-0.9062	-0.96798	0.001334418	0.00265
	-0.31874	-1.0091	-1.1264	0.000458335	0.027901
	-0.26446	-0.98254	-1.22761	0.140467759	919
	-0.18289	-0.92089	-1.19509	0.000328055	0.715426
	-0.14986	-1.09387	-1.29211		ssreg
	-0.17918	-1.083	-1.25826		
	-0.30482	-0.72793	-1.00291		sigma_i
	-0.19739	-0.67695	-0.94695		(bi1^2*var1+bi2^2*var
	0.034684	-0.58542	-0.79181		0.845828578
	-0.02094	-0.44749	-0.82339		E(ri)
	-0.0567	-0.42731	-0.9477		0.000447346
	0.030286	-0.60741	-0.72211		Covar_M
	0.046101	-0.53036	-0.50286	0.000180759	9.14E-05
	0.120361	-0.38104	-0.43237	9.1353E-05	0.000321
	0.192381	-0.42972	-0.33709	-3.30152E-05	-5.34E-05
	0.3041	-0.40527	-0.26834		8.23414E-05
	0.347482	-0.562	-0.18212		
	0.30888	-0.48905	-0.11309		
	0.206558	-0.48299	-0.11279		
	0.370502	-0.45302	-0.17579		
	0.326068	-0.39399	-0.32785		
	0.252571	-0.36206	-0.16776		
	0.169716	-0.39395	-0.27429		
	0.200613	-0.30401	-0.24593		
	0.254827	-0.33906	-0.22719		
	0.242822	-0.29959	-0.23429		
	0.321597	-0.23151	-0.32909		
	0.328794	-0.24912	-0.43551		
	0.40701	-0.3218	-0.29607		
	0.406927	-0.30701	-0.30754		
	0.359778	-0.28986	-0.13447		
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	0.412784	-0.09138	0.006451		
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	-0.23367	-0.06615	-0.27714		
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-0.13075	0.142276	-0.35402
-0.19515	0.169384	-0.31305
-0.30663	0.168566	-0.36115
-0.37245	0.243584	-0.37684
-0.4535	0.258805	-0.466
-0.58136	0.137413	-0.39296
-0.46038	0.190285	-0.43213
-0.4601	0.183509	-0.56405
-0.41692	0.303393	-0.63387
-0.47439	0.274107	-0.61768
-0.50516	0.149837	-0.62159
-0.26468	0.19863	-0.79771
-0.64931	0.188938	-0.7741
-0.57369	0.199052	-0.64073
-0.59364	0.200641	-0.58728
-0.62526	0.210272	-0.48754
-0.64976	0.240211	-0.42712
-0.63382	0.260753	-0.42093
-0.58789	0.237962	-0.43391
-0.54547	0.234977	-0.44719
-0.53643	0.247994	-0.43946
-0.42577	0.180675	-0.35507

-0.46384	0.13176	-0.28646
-0.55287	0.130317	-0.26802
-0.61022	0.127964	-0.32231
-0.74925	0.184671	-0.45151
-0.14855	0.132075	-0.60438
-0.12037	0.117363	-0.72745
-0.17148	0.131462	-0.69252
-0.03879	0.105305	-0.69262
-0.14135	0.059626	-0.70691
-0.12137	0.05413	-0.70943
-0.01435	0.07451	-0.66115
0.076706	0.050449	-0.61154
0.03165	0.048541	-0.58647
0.224925	0.156589	-0.69071
0.075474	0.164437	-0.72989
0.013532	0.152496	-0.49118
-0.01525	0.164896	-0.54961
0.003869	0.155477	-0.54153
-0.02814	0.132983	-0.5009
0.123902	0.071471	-0.49392
0.139379	0.031944	-0.40786
0.136077	0.020724	-0.44326
0.170327	0.039223	-0.46664
0.191532	0.070322	-0.51754
0.195453	0.060932	-0.57021
0.146927	0.02354	-0.55092
0.198741	0.051277	-0.55671
0.13767	0.059409	-0.55386
0.140649	0.07478	-0.5796
0.086056	0.012279	-0.47595
0.036802	-0.00076	-0.60901
-0.06293	-0.09021	-0.53491
-0.05541	-0.07099	-0.55094
0.015017	-0.11763	-0.49228
-0.07326	-0.07114	-0.45462
-0.10193	-0.07627	-0.47945
-0.04931	-0.06442	-0.52446
-0.07233	-0.07223	-0.45442
-0.01618	-0.06017	-0.34237
-0.00297	-0.05435	-0.30458
0.165911	-0.05574	-0.32614
0.142554	-0.08521	-0.08002
0.204812	-0.09426	-0.06545
0.073075	-0.14519	-0.01506
0.119922	-0.20095	0.115813
0.153005	-0.19864	0.084015
0.188313	-0.18403	0.109905
0.089801	-0.11494	-0.15978

0.043305	-0.07027	-0.15856
-0.04048	-0.10088	-0.21988
-0.05596	-0.08862	-0.26336
0.086489	-0.01844	-0.35235
0.007298	-0.06	-0.495
-0.02103	-0.10597	-0.43486
0.000992	-0.1032	-0.43689
0.111974	-0.04829	-0.39922
0.101692	-0.05891	-0.37303
0.030723	-0.09058	-0.48619
0.057302	-0.1106	-0.46692
0.102893	-0.04903	-0.60651
0.164485	-0.04252	-0.70664
0.258701	0.095464	-0.68513
0.275633	0.090636	-0.65216
0.289979	0.091483	-0.63739
0.335029	0.086492	-0.68942
0.386275	0.240294	-0.69983
0.331517	0.249727	-0.73663
0.41135	0.295494	-0.90825
0.423589	0.319449	-0.93789
0.059	0.290461	-1.38431
-0.01386	0.275511	-1.34226
0.073591	0.242448	-1.65888
0.048797	0.246822	-1.44754
0.081237	0.303147	-1.44827
0.130988	0.35908	-1.37208
-0.08888	0.226048	-1.3157
-0.26116	0.300745	-1.59484
-0.27029	0.249274	-1.46193
-0.2539	0.206145	-1.45365
-0.13462	0.490752	-0.79725
-0.14787	0.462796	-0.75882
-0.16709	0.330531	-0.78834
-0.12956	0.33653	-0.75721
-0.11667	0.321729	-0.80162
-0.11178	0.321678	-0.80107
-0.20823	0.354413	-0.79
-0.28508	0.3011	-0.74428
-0.47265	-0.08232	-1.38541
-0.43984	0.008057	-1.503
-0.32821	0.044624	-1.50199
-0.27141	0.13433	-1.57692
-0.28433	0.09925	-1.57791
-0.28887	0.082186	-1.63443
-0.29918	0.090801	-1.6131
-0.36994	0.059983	-1.63651
-0.39203	-0.05055	-1.53421

-0.39157	-0.07733	-1.50081
-0.37507	-0.04014	-1.52413
-0.41817	-0.03805	-1.55064
-0.32123	0.006586	-1.43983
-0.33221	0.01242	-1.42523
-0.35305	0.01488	-1.4687
-0.3623	0.008702	-1.52631
-0.38988	-0.06892	-1.56742
-0.42918	-0.13599	-1.61533
-0.33835	-0.10509	-1.65783
-0.22325	-0.09004	-1.51522
-0.19515	-0.11676	-1.51695
-0.21205	-0.12736	-1.55318
-0.33155	-0.34278	-2.34613
-0.30589	-0.31308	-2.50937
-0.29818	-0.20107	-2.43595
-0.32332	-0.24093	-2.42211
-0.36368	-0.19746	-2.39733
-0.37185	-0.19308	-2.40873
-0.30863	-0.22527	-2.40861
-0.15295	-0.17218	-2.43936
0.414775	0.392991	-1.75164
0.311278	0.243122	-1.46307
0.141178	0.146852	-1.42379
-0.24899	-0.11742	-0.98564
-0.19358	-0.04311	-0.92389
-0.11795	-0.01335	-1.04652
-0.1737	-0.02392	-1.07985
-0.03952	0.065962	-1.07558
-0.18056	-0.01883	-0.90852
-0.08559	-0.00486	-0.87479
-0.16166	-0.0732	-0.88794
-0.14815	-0.09656	-0.94608
-0.14667	-0.10623	-0.88993
-0.16708	-0.09627	-0.87799
-0.14297	-0.06402	-1.04889
-0.18272	-0.10094	-0.87761
-0.13661	-0.10094	-0.58291
-0.07992	-0.07758	-0.61596
-0.12705	0.026507	-0.55891
-0.124	0.02508	-0.55991
-0.13082	0.055189	-0.51568
0.070412	0.100481	-0.51811
0.141702	0.07656	-0.47628
0.103034	0.083585	-0.55384
0.127596	0.051553	-0.65247
0.089718	0.068032	-0.70023
0.21134	0.046773	-0.65545

0.477078	0.161523	-0.82003
0.375054	0.137533	-0.71114
0.417751	0.104866	-0.70924
0.18508	0.104172	-0.81757
0.305049	0.138153	-1.10889
0.256657	0.109331	-1.07132
0.469095	0.181844	-1.13473
0.565666	0.266918	-1.2051
0.561195	0.151144	-1.34059
0.62823	0.147072	-1.33836
0.565936	0.115014	-0.99259
0.531152	0.155346	-0.97472
0.534288	0.197248	-1.05239
0.530628	0.236118	-1.01808
0.538051	0.251937	-1.07074
0.524292	0.251441	-1.05577
0.401991	0.21604	-1.0948
0.365546	0.230562	-1.07766
0.331228	0.252766	-1.09604
0.288866	0.268501	-1.17298
0.254909	0.246394	-1.12028
0.227668	0.247077	-1.07552
0.260691	0.138994	-1.14892
0.257294	0.144003	-1.15211
0.236389	0.154502	-1.07448
0.252998	0.142402	-1.16108
0.266606	0.153568	-1.07838
0.236544	0.134954	-1.05016
0.302575	0.128943	-0.97093
0.352598	0.167056	-1.0316
0.262238	0.042687	-0.93751
0.281155	0.066283	-1.0047
0.300154	0.142062	-1.04602
0.359944	0.158806	-1.02959
0.290782	0.145208	-0.9649
0.298649	0.176521	-0.95011
0.159588	0.14234	-0.94099
-0.05825	0.107387	-0.97313
-0.17515	0.215961	-0.80838
-0.27151	0.260129	-0.39977
-0.18791	0.205679	-0.54858
-0.15071	0.202997	-0.6048
-0.16846	0.093355	-0.56215
-0.16661	0.091249	-0.52242
0.016672	0.155572	-0.67891
0.037841	0.158917	-0.6935
0.145856	0.193771	-0.66062
0.090672	0.151003	-0.64223

0.109566	0.112918	-0.55726
0.202688	0.083919	-0.48652
0.278178	0.109394	-0.53706
0.274574	0.103351	-0.48149
0.383095	0.140603	-0.00444
0.454306	0.194475	-0.05379
0.525385	0.172628	-0.04646
0.487487	0.193302	0.063392
0.505318	0.175051	0.028631
0.516509	0.182192	0.003042
0.39679	0.1256	0.014969
0.272377	0.094987	0.297659
0.204368	0.116767	0.222995
0.239082	0.115654	0.200387
0.157064	0.061617	0.243223
0.162177	0.026011	0.235446
0.018767	-0.07773	0.202305
0.051118	-0.09684	0.177627
0.086076	-0.07647	0.102852
-0.01242	-0.12643	0.173389
0.067591	-0.11637	0.199442
0.08141	-0.09112	-0.1345
-0.21438	-0.01696	-0.10473
-0.04812	-0.04402	-0.21495
-0.01535	0.018851	-0.37072
-0.01309	0.029944	-0.36493
-0.17234	-0.00668	-0.23296
-0.17758	-0.01586	-0.2294
-0.19123	-0.02321	-0.22965
-0.25369	-0.02405	-0.22805
-0.26948	0.040567	-0.21538
-0.23613	0.027131	-0.19164
-0.23925	0.006807	-0.18762
-0.3491	0.012208	-0.30361
-0.4814	0.041795	-0.53558
-0.51388	0.008093	-0.41822
-0.5024	0.019883	-0.44254
-0.50859	-0.003	-0.42445
-0.45854	0.018514	-0.44572
-0.41335	-0.0825	-0.45721
-0.39593	-0.03237	-0.52526
-0.40375	-0.14056	-0.96793
-0.4519	-0.28993	-0.89885
-0.44446	-0.29352	-0.79336
-0.50173	-0.33364	-0.83963
-0.49554	-0.20115	-1.09585
-0.45543	-0.00452	-1.1161
-0.4498	0.001864	-1.10262

-0.51407	-0.08871	-1.43662
-0.47653	-0.09055	-1.38058
-0.55492	-0.19264	-1.50942
-0.44564	-0.20468	-1.60798
-0.29113	-0.22998	-1.72664
-0.41282	-0.20381	-1.46845
-0.43804	-0.25687	-1.21412
-0.42494	-0.24562	-1.22227
-0.40646	-0.25073	-1.16024
-0.42128	-0.23772	-0.91238
-0.2863	-0.27805	-1.03252
-0.22632	-0.30299	-1.12902
-0.21042	-0.32131	-1.22673
-0.28632	-0.29019	-1.92618
-0.26041	-0.25189	-1.97425
-0.44323	-0.10814	-1.92306
-0.31086	-0.08751	-1.72258
-0.29102	-0.09524	-1.85881
-0.30441	-0.07735	-1.86479
-0.28674	-0.07935	-1.96377
-0.28855	-0.09898	-2.35723
-0.29726	-0.0458	-2.35479
-0.32893	0.045334	-2.39564
-0.39127	0.102864	-1.82329
-0.349	0.119367	-1.3989
-0.37819	0.172151	-1.78058
-0.2785	0.174513	-1.69956
-0.29384	0.257534	-1.69536
-0.23628	0.235032	-1.61355
-0.29481	0.252009	-1.64976
-0.27207	0.30784	-1.64603
-0.28354	0.308005	-1.67086
-0.14116	0.473057	-1.23689
-0.17161	0.499125	-0.85532
-0.17935	0.436636	-0.69214
-0.08024	0.47368	-1.01437
0.029029	0.544093	-1.04403
0.029762	0.342624	-0.25231
0.026757	0.355377	-0.36994
0.013346	0.414344	-0.60754
-0.00285	0.436008	-0.44388
-0.01613	0.471842	-0.45021
0.011527	0.486043	-0.4354
0.000711	0.447821	0.540758
0.017736	0.494598	0.48854
0.188194	0.41181	0.433622
0.104918	0.373978	0.084962
0.078355	0.37127	0.072246

0.076892	0.346059	0.106653
0.230113	0.33004	0.106766
0.251765	0.3349	0.502602
0.249751	0.34311	0.592361
0.30891	0.372864	0.495911
0.396415	0.466865	0.161209
0.586187	0.532991	-0.28628
0.583298	0.462313	0.137755
0.763543	0.472129	0.038827
0.778898	0.412233	0.061901
0.900645	0.399301	0.06915
0.9493	0.365521	0.104642
0.903387	0.340209	0.159841
0.801713	0.338289	0.132318
0.687293	0.342665	0.011872
0.663329	0.311836	0.188657
0.742763	0.353487	0.157782
0.642628	0.319267	0.358989
0.509213	0.168694	0.457142
0.507006	0.383674	-0.41087
0.563066	0.411456	-0.50355
0.634122	0.418091	-0.42526
0.634834	0.39629	-0.41942
0.614633	0.351343	-0.42684
0.562573	0.34867	-0.38996
0.525497	0.361586	-0.36776
0.552353	0.384572	-0.31952
0.556938	0.333657	-0.20877
0.553757	0.351417	-0.20768
0.444123	0.351488	-0.18273
-0.07848	0.414776	-0.49056
-0.13391	0.335753	-0.47455
-0.12359	0.310363	-0.56666
-0.0925	0.304243	-0.58704
-0.09116	0.310192	-0.57389
-0.10591	0.221461	-0.52637
-0.20695	0.137986	-0.40694
-0.11109	0.154635	-0.70868
-0.1095	0.130109	-0.78009
-0.11592	0.104429	-0.76713
-0.13988	0.107477	-0.77602
0.121029	0.10927	-1.02119
0.091217	0.061933	-0.95562
0.100905	0.040272	-0.93355
0.045286	-0.03564	-0.86811
0.140884	0.075169	-0.96494
0.203262	0.033772	-0.74666
0.355142	0.485239	-1.2474

0.440914	0.499234	-1.21607
0.451958	0.486393	-1.21573
0.426419	0.389836	-1.06866
0.424872	0.386633	-1.07589
0.41984	0.329535	-0.87318
0.425589	0.3368	-0.89814
0.448033	0.330276	-0.91964
0.421508	0.281102	-0.9784
0.457682	0.367738	-1.13404
0.476483	0.425575	-1.35729
0.46262	0.423502	-1.38411
0.501396	0.398584	-1.31972

alfa

-2.82446E-05

0.001191323

#N/A

#N/A

#N/A

$(2 + b_3^2 \cdot \text{var}_3 + 2 \cdot b_1 \cdot b_2 \cdot \text{covar}_{1,2} + 2 \cdot b_1 \cdot b_3 \cdot \text{covar}_{1,3} + 2 \cdot b_2 \cdot b_3 \cdot \text{covar}_{2,3} + \text{var}_e)^{0,5}$

	F1	F2	F3		X
	0.04	0.065	0.09		0.65
bx	0.08	0.4	1.48	alfa	0.06
by	0.75	0.65	0.59	sigma_e	0.14
sigma_Fi	0.1	0.095	0.12	e	0.025
bpk	0	0	0	Nefakt_risk	
E(rx)	0.2474				
E(ry)	0.23385				
sigma_x	0.229455				
risk_p	0.196807				

Y

0.35

0.09

0.25

0.0185