

k	Insertase-pH8	Fit	Reidue	Mo-Oxo	Mo-O	Mo-S
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.050000	7.4400e-05	-2.3200e-05	9.7500e-05	-2.2400e-05	-1.7100e-06	9.3400e-07
0.10000	0.00057800	-0.00018500	0.00076300	-0.00017900	-1.3500e-05	7.5200e-06
0.15000	0.0018900	-0.00062200	0.0025200	-0.00060300	-4.4100e-05	2.5700e-05
0.20000	0.0043500	-0.0014600	0.0058200	-0.0014300	-1.0000e-04	6.1900e-05
0.25000	0.0082400	-0.0028400	0.011100	-0.0027800	-0.00018500	0.00012300
0.30000	0.013800	-0.0048600	0.018600	-0.0047800	-0.00029700	0.00021800
0.35000	0.021200	-0.0076400	0.028800	-0.0075700	-0.00043100	0.00035500
0.40000	0.030500	-0.011300	0.041800	-0.011200	-0.00057300	0.00054400
0.45000	0.041900	-0.015800	0.057700	-0.015900	-0.00070700	0.00079800
0.50000	0.055300	-0.021400	0.076700	-0.021700	-0.00080500	0.0011300
0.55000	0.069700	-0.028000	0.097700	-0.028700	-0.00083700	0.0015500
0.60000	0.085400	-0.035600	0.12101	-0.036900	-0.00076100	0.0020700
0.65000	0.10196	-0.044300	0.14621	-0.046500	-0.00048600	0.0027000
0.70000	0.11846	-0.053800	0.17225	-0.057300	5.1000e-05	0.0034300
0.75000	0.13380	-0.064200	0.19803	-0.069400	0.00089900	0.0043000
0.80000	0.14830	-0.075500	0.22378	-0.082900	0.0021300	0.0053100
0.85000	0.16135	-0.087500	0.24880	-0.097800	0.0038300	0.0064800
0.90000	0.16998	-0.10000	0.26997	-0.11389	0.0060800	0.0078200
0.95000	0.17452	-0.11293	0.28745	-0.13125	0.0089700	0.0093500
1.0000	0.17379	-0.12505	0.29884	-0.14893	0.012800	0.011000
1.0500	0.16633	-0.13682	0.30315	-0.16734	0.017600	0.012900
1.1000	0.15306	-0.14794	0.30100	-0.18629	0.023300	0.015100
1.1500	0.13754	-0.15808	0.29562	-0.20556	0.030100	0.017400
1.2000	0.10917	-0.16689	0.27606	-0.22489	0.038000	0.020000
1.2500	0.070200	-0.17261	0.24282	-0.24313	0.047300	0.023300
1.3000	0.025500	-0.17432	0.19984	-0.25959	0.058000	0.027300
1.3500	-0.03400	-0.17280	0.12942	-0.27465	0.070100	0.031800
1.4000	-0.085100	-0.16757	0.082400	-0.28786	0.083400	0.036900
1.4500	-0.15641	-0.15816	0.0017500	-0.29878	0.098100	0.042500
1.5000	-0.24249	-0.14132	-0.10117	-0.30553	0.11426	0.050000
1.5500	-0.32246	-0.11531	-0.20715	-0.30691	0.13167	0.059900
1.6000	-0.40695	-0.082600	-0.32434	-0.30388	0.15009	0.071200
1.6500	-0.47949	-0.042800	-0.43671	-0.29591	0.16935	0.083800
1.7000	-0.54366	0.0045500	-0.54822	-0.28247	0.18926	0.097800
1.7500	-0.60773	0.065700	-0.67339	-0.25984	0.20951	0.11598
1.8000	-0.67291	0.13802	-0.81893	-0.22881	0.22965	0.13718
1.8500	-0.70860	0.21911	-0.92771	-0.19026	0.24934	0.16003
1.9000	-0.74564	0.30871	-1.0544	-0.14381	0.26823	0.18429
1.9500	-0.73133	0.40721	-1.1385	-0.088500	0.28583	0.20989
2.0000	-0.72665	0.51913	-1.2458	-0.019500	0.30080	0.23780
2.0500	-0.66853	0.63662	-1.3051	0.058500	0.31326	0.26486
2.1000	-0.58526	0.75814	-1.3434	0.14530	0.32275	0.29008
2.1500	-0.48975	0.88195	-1.3717	0.24078	0.32883	0.31234
2.2000	-0.40681	1.0067	-1.4135	0.34841	0.32972	0.32860
2.2500	-0.31160	1.1277	-1.4593	0.46595	0.33651	0.33665
2.3000	-0.18777	1.2414	-1.4291	0.59040	0.31556	0.33561
2.3500	-0.091000	1.3449	-1.4359	0.72080	0.30010	0.32397
2.4000	0.0078700	1.4338	-1.4260	0.85724	0.27838	0.29821
2.4500	0.17959	1.5001	-1.3205	1.0004	0.24817	0.25158
2.5000	0.29733	1.5455	-1.2482	1.1445	0.21168	0.18932
2.5500	0.36437	1.5681	-1.2038	1.2878	0.16905	0.11130
2.6000	0.43720	1.5668	-1.1296	1.4283	0.12056	0.017900
2.6500	0.64142	1.5220	-0.88061	1.5612	0.059500	-0.098700
2.7000	0.78907	1.4506	-0.66151	1.6825	-0.0064000	-0.22549
2.7500	0.88478	1.3570	-0.47222	1.7895	-0.075300	-0.35723
2.8000	0.99524	1.2450	-0.24975	1.8799	-0.14581	-0.48908
2.8500	1.1325	1.1382	-0.0057400	1.9678	-0.21467	-0.61484
2.9000	1.1207	1.0270	0.093700	2.0414	-0.28237	-0.73210
2.9500	1.2113	0.90342	0.30789	2.0874	-0.34821	-0.83576
3.0000	1.2302	0.77266	0.45758	2.1023	-0.41002	-0.91961
3.0500	1.2329	0.63717	0.59569	2.0904	-0.46848	-0.98475
3.1000	1.1973	0.49821	0.69906	2.0589	-0.52544	-1.0352
3.1500	0.98856	0.36274	0.62582	1.9983	-0.57604	-1.0595
3.2000	0.92198	0.23417	0.68782	1.9082	-0.61895	-1.0551
3.2500	0.89339	0.11428	0.77911	1.7874	-0.65342	-1.0197
3.3000	0.72866	0.0016100	0.72705	1.6325	-0.67979	-0.95109
3.3500	0.50414	-0.097500	0.60166	1.4489	-0.69532	-0.85109
3.4000	0.23255	-0.18228	0.41483	1.2381	-0.69935	-0.72108
3.4500	0.25862	-0.25260	0.51122	1.0022	-0.69140	-0.56344
3.5000	-0.080900	-0.31418	0.23324	0.73481	-0.66993	-0.37965
3.5500	-0.13075	-0.36539	0.23264	0.48483	-0.63464	-0.17703
3.6000	-0.33263	-0.40212	0.069500	0.14632	-0.58768	0.039200
3.6500	-0.47646	-0.43283	-0.043600	-0.16710	-0.52905	0.26332
3.7000	-0.46190	-0.46475	0.0028500	-0.49516	-0.45793	0.48834
3.7500	-0.50946	-0.49629	-0.013200	-0.82741	-0.37625	0.70738
3.8000	-0.44130	-0.52927	0.088000	-1.1574	-0.28571	0.91386
3.8500	-0.58846	-0.56667	-0.021800	-1.4800	-0.18795	1.1013
3.9000	-0.56906	-0.60878	0.039700	-1.7892	-0.083900	1.2643
3.9500	-0.52646	-0.65945	0.13299	-2.0789	0.023700	1.3958
4.0000	-0.51180	-0.72191	0.20311	-2.3444	0.13214	1.4904
4.0500	-0.64921	-0.79764	0.14842	-2.5810	0.23924	1.5441
4.1000	-0.53019	-0.89050	0.36031	-2.7881	0.34363	1.5540
4.1500	-0.67334	-1.0011	0.32779	-2.9612	0.44309	1.5170
4.2000	-0.92141	-1.1262	0.20476	-3.0938	0.53480	1.4329

4.2500	-0.71733	-1.2633	0.54595	-3.1831	0.61672	1.3031
4.3000	-0.88164	-1.4093	0.52765	-3.2259	0.68729	1.1194
4.3500	-0.95518	-1.5609	0.60479	-3.2195	0.71458	0.91492
4.4000	-1.2170	-1.7098	0.49277	-3.1635	0.78669	0.66708
4.4500	-1.2519	-1.8526	0.60068	-3.0584	0.81261	0.39317
4.5000	-1.2937	-1.9840	0.69032	-2.9067	0.82214	0.10051
4.5500	-1.5037	-2.0992	0.59549	-2.7115	0.81533	-0.20304
4.6000	-1.7234	-2.1865	0.46314	-2.4723	0.79135	-0.50557
4.6500	-1.6942	-2.2388	0.54452	-2.1925	0.75070	-0.79698
4.7000	-1.8437	-2.2513	0.40761	-1.8774	0.69449	-1.0684
4.7500	-1.7928	-2.2218	0.42905	-1.5334	0.62436	-1.3128
4.8000	-2.1158	-2.1391	0.023300	-1.1626	0.54104	-1.5175
4.8500	-1.2098	-1.9996	0.78983	-0.77103	0.44643	-1.6750
4.9000	-1.6522	-1.8017	0.14947	-0.36507	0.34280	-1.7794
4.9500	-1.1914	-1.5460	0.35463	0.048800	0.23287	-1.8278
5.0000	-0.59248	-1.2325	0.63998	0.46528	0.11831	-1.8161
5.0500	-0.86472	-0.86484	0.00012600	0.87728	0.0017200	-1.7438
5.1000	-0.55509	-0.44916	-0.10593	1.2780	-0.11428	-1.6129
5.1500	0.19223	0.0087700	0.18346	1.6641	-0.22789	-1.4275
5.2000	0.28272	0.50077	-0.21805	2.0275	-0.34618	-1.1905
5.2500	0.78749	1.0155	-0.22801	2.3517	-0.3671	-0.90952
5.3000	1.5429	1.5402	0.0027000	2.6612	-0.52721	-0.59376
5.3500	1.9230	2.0646	-0.14164	2.9241	-0.60649	-0.25294
5.4000	2.5070	2.5725	-0.065500	3.1437	-0.67233	0.10106
5.4500	3.1949	3.0488	0.14611	3.3162	-0.72330	0.45587
5.5000	3.4553	3.4791	-0.023800	3.4385	-0.75834	0.79896
5.5500	4.0410	3.8599	0.18108	3.5152	-0.77836	1.1231
5.6000	3.7202	4.1696	-0.44942	3.5389	-0.78166	1.4123
5.6500	4.0065	4.3955	-0.38894	3.5083	-0.76813	1.6553
5.7000	4.2341	4.5280	-0.29392	3.4235	-0.73822	1.8428
5.7500	4.6687	4.5680	0.10074	3.2912	-0.69386	1.9706
5.8000	4.6890	4.5042	0.18481	3.1092	-0.63523	2.0302
5.8500	3.9605	4.3333	-0.37277	2.8790	-0.56357	2.0178
5.9000	2.8898	4.0568	-1.1670	2.6046	-0.48066	1.9329
5.9500	3.6456	3.6870	-0.041400	2.2987	-0.39003	1.7783
6.0000	2.7968	3.2247	-0.42787	1.9585	-0.29218	1.5583
6.0500	2.2244	2.6780	-0.45357	1.5867	-0.18888	1.2801
6.1000	1.8050	1.8051	-0.26705	1.1892	-0.082500	0.95339
6.1500	0.85137	1.3864	-0.53499	0.77210	0.024600	0.58965
6.2000	0.45052	0.67414	-0.22362	0.34223	0.12994	0.20197
6.2500	0.28737	-0.057900	0.34530	-0.093500	0.23116	-0.19560
6.3000	-1.0533	-0.79049	-0.26283	-0.52800	0.32604	-0.58853
6.3500	-2.1712	-1.5041	-0.66713	-0.95423	0.41251	-0.96236
6.4000	-2.7344	-2.1798	-0.55462	-1.3652	0.48874	-1.3033
6.4500	-3.0742	-2.8097	-0.26444	-1.7634	0.55551	-1.6019
6.5000	-3.7225	-3.3737	-0.34884	-2.1407	0.61068	-1.8437
6.5500	-4.8618	-3.8516	-2.4861	-2.4861	0.65182	-2.0173
6.6000	-4.8218	-4.2316	-0.59016	-2.7939	0.67813	-2.1158
6.6500	-5.3704	-4.5052	-0.86520	-3.0588	0.68915	-2.1355
6.7000	-5.9671	-4.6671	-1.3000	-3.2764	0.68483	-2.0755
6.7500	-5.0250	-4.7157	-0.30926	-3.4428	0.66545	-1.9383
6.8000	-5.3313	-4.6529	-0.67841	-3.5554	0.63167	-1.7292
6.8500	-4.4841	-4.4840	-7.9400e-05	-3.6122	0.58450	-1.4562
6.9000	-3.7276	-4.2172	0.48967	-3.6124	0.52523	-1.1301
6.9500	-3.4297	-3.8654	0.43572	-3.5615	0.45551	-0.75944
7.0000	-3.7423	-3.4402	-0.30210	-3.4577	0.37643	-0.35890
7.0500	-2.2827	-2.9553	0.67258	-3.2971	0.28974	0.052100
7.1000	-3.1809	-2.4275	-0.75338	-3.0823	0.19762	0.45710
7.1500	-2.8410	-1.8742	-0.96681	-2.8168	0.10235	0.84029
7.2000	-1.5106	-1.3123	-0.19831	-2.5053	0.0062600	1.1867
7.2500	-0.91548	-0.75826	-0.15721	-2.1530	-0.088300	1.4831
7.3000	-0.58758	-0.22699	-0.36058	-1.7661	-0.17919	1.7183
7.3500	-0.50169	0.26840	-0.77009	-1.3513	-0.26419	1.8839
7.4000	1.4787	0.71706	0.76163	-0.91578	-0.34139	1.9742
7.4500	0.94949	1.2156	-0.16511	-0.46152	-0.41038	1.9875
7.5000	1.8315	1.4607	0.37078	0.0077800	-0.47001	1.9230
7.5500	2.1861	1.7425	0.44354	0.47660	-0.51716	1.7831
7.6000	2.0116	1.9604	0.051200	0.93641	-0.55083	1.5748
7.6500	1.8158	2.1162	-0.30042	1.3789	-0.57043	1.3078
7.7000	2.3054	2.2142	0.091200	1.7959	-0.57572	0.99399
7.7500	2.6794	2.2604	0.41901	2.1801	-0.56685	0.64716
7.8000	2.8448	2.2623	0.58258	2.5245	-0.54434	0.28211
7.8500	2.7379	2.2281	0.59983	2.8230	-0.59904	-0.085900
7.9000	3.2291	2.1666	1.0626	3.0703	-0.46214	-0.44164
7.9500	2.0596	2.0881	-0.028500	3.2664	-0.40496	-0.77332
8.0000	2.3574	2.0006	0.35682	3.4106	-0.33859	-1.0714
8.0500	3.0847	1.9066	1.1781	3.4917	-0.26502	-1.3201
8.1000	3.1974	1.8121	1.3853	3.5084	-0.18633	-1.5100
8.1500	1.2420	1.7216	-0.47963	3.4606	-0.10473	-1.6343
8.2000	1.9893	1.6380	0.35135	3.3496	-0.022400	-1.6892
8.2500	2.7028	1.5623	1.1405	3.1778	0.058400	-1.6739
8.3000	2.0370	1.4938	0.54319	2.9490	0.13558	-1.5907
8.3500	0.49380	1.4304	-0.93664	2.6680	0.20723	-1.4447
8.4000	2.1569	1.3685	0.78842	2.3405	0.27159	-1.2436
8.4500	2.0642	1.3027	0.76150	1.9728	0.32753	-0.99758
8.5000	1.6351	1.2271	0.40791	1.5695	0.37458	-0.71695

8.5500	1.6247	1.1387	0.48599	1.1393	0.41054	-0.41105
8.6000	2.0222	1.0320	0.99023	0.69066	0.43472	-0.093400
8.6500	2.7992	0.90184	1.8973	0.23269	1.8973	0.22238
8.7000	0.99024	0.74393	0.24632	-0.22554	0.44670	0.52277
8.7500	1.7980	0.55514	1.2429	-0.67500	0.43485	0.79530
8.8000	-0.11784	0.33389	-0.45173	-1.1069	0.41188	1.0289
8.8500	0.49244	0.080300	0.41211	-1.5128	0.37875	1.2144
8.9000	-0.21116	-0.20346	-0.0077000	-1.8851	0.33667	1.3450
8.9500	-0.79068	-0.51413	-0.27656	-2.2188	0.28716	1.4176
9.0000	0.032000	-0.84992	0.88195	-2.5162	0.23179	1.4345
9.0500	-1.6815	-1.2012	-0.48028	-2.7625	0.17173	1.3895
9.1000	-0.68484	-1.5588	0.87401	-2.9530	0.10877	1.2854
9.1500	-2.4369	-1.9121	-0.52478	-3.0844	0.044700	1.1276
9.2000	-1.2344	-2.2493	1.0149	-3.1545	-0.018600	0.92379
9.2500	-0.70044	-2.5584	1.8579	-3.1626	-0.079500	0.68368
9.3000	-2.5539	-2.8270	0.27305	-3.1090	-0.13626	0.41828
9.3500	-3.7688	-3.0434	-0.72548	-2.9954	-0.18754	0.19960
9.4000	-3.9253	-3.1969	-0.72842	-2.8249	-0.23206	-0.13999
9.4500	-3.9924	-3.2797	-0.71273	-2.6022	-0.26894	-0.40851
9.5000	-3.7696	-3.2914	-0.47817	-2.3368	-0.29837	-0.65625
9.5500	-3.8678	-3.2171	-0.65074	-2.0271	-0.31880	-0.87158
9.6000	-3.0954	-3.0540	-0.041400	-1.6797	-0.32993	-1.0444
9.6500	-3.7612	-2.8028	-0.95839	-1.3020	-0.33172	-1.1691
9.7000	-3.4799	-2.4668	-1.0131	-0.90183	-0.32440	-1.2406
9.7500	-2.5336	-2.0527	-0.48089	-0.48757	-0.30845	-1.2567
9.8000	-1.3960	-1.5703	0.17424	-0.067800	-0.28458	-1.2179
9.8500	0.14821	-1.0316	1.1799	0.34903	-0.25373	-1.1269
9.9000	0.030800	-0.45148	0.48229	0.75433	-0.21698	-0.98884
9.9500	-2.1588	0.15456	-2.3154	1.1407	-0.17558	-0.81057
10.00	1.0386	0.78125	0.25740	1.5119	-0.13089	-0.59981
10.050	1.9176	1.3999	0.51764	1.8515	-0.083700	-0.36789
10.100	1.3282	1.9915	-0.66330	2.1525	-0.035400	-0.12559
10.150	0.63168	2.5375	-1.9058	2.4089	0.012500	0.11610
10.200	3.6664	3.0207	0.64571	2.6154	0.058800	0.34649
10.250	2.1038	3.4259	-1.3221	2.7680	0.10219	0.55566
10.300	4.3285	3.7402	0.58829	2.8638	0.14147	0.73492
10.350	3.3205	3.9538	-0.63328	2.9010	0.17565	0.87713
10.400	2.0232	4.0601	-2.0369	2.8792	0.20793	0.97699
10.450	2.3533	4.0560	-1.7027	2.7991	0.22566	1.0313
10.500	4.8567	3.9419	0.91476	2.6627	0.24042	1.0389
10.550	3.2201	3.7219	-0.50183	2.4731	0.24801	1.0008
10.600	1.2198	3.4032	-2.1834	2.2347	0.24842	0.92007
10.650	4.5368	2.9962	1.5406	1.9527	0.24188	0.80161
10.700	1.9971	2.5138	-0.51667	1.6332	0.22879	0.65180
10.750	0.56654	1.9711	-1.4046	1.2831	0.20973	0.47828
10.800	3.3592	1.3850	1.9742	0.91002	0.18544	0.28950
10.850	0.49664	0.72285	0.52321	0.52719	0.15679	0.094300
10.900	0.16358	0.15285	0.010700	0.12647	0.12474	-0.098400
10.950	-1.8770	-0.45728	-1.4197	-0.26752	0.090300	-0.28009
11.000	-1.3581	-1.0535	-0.30461	-0.66130	0.054200	-0.44638
11.050	-2.4003	-1.6104	-0.78983	-1.0402	0.017600	-0.58781
11.100	-3.6905	-2.1130	-1.5775	-1.3959	-0.018500	-0.69861
11.150	-1.0868	-2.5486	1.4617	-1.7209	-0.052900	-0.77468
11.200	-2.6369	-2.9069	0.26998	-2.0084	-0.084800	-0.81365
11.250	-5.5919	-3.1806	-2.4112	-2.2524	-0.11328	-0.81491
11.300	-4.6499	-3.3651	-1.2848	-2.4479	-0.13759	-0.77961
11.350	-3.8098	-3.4586	-0.35117	-2.5910	-0.15716	-0.71052
11.400	-1.7495	-3.4622	1.7127	-2.6787	-0.17156	-0.61190
11.450	-1.9806	-3.3795	1.3989	-2.7097	-0.18054	-0.48921
11.500	-4.6009	-3.2163	-1.3845	-2.6835	-0.18401	-0.34882
11.550	-0.71953	-2.9808	2.2613	-2.6010	-0.18205	-0.19773
11.600	-1.7020	-2.6824	0.98044	-2.4644	-0.17489	-0.043100
11.650	-4.4490	-2.3320	-2.1170	-2.2769	-0.16292	0.10777
11.700	-2.4106	-1.9411	-0.46956	-2.0428	-0.14665	0.24831
11.750	-0.81630	-1.5217	1.0054	-1.7674	-0.12674	0.37247
11.800	-3.1416	-1.0856	-2.0560	-1.4570	-0.10379	0.47522
11.850	-1.3008	-0.64449	-0.65632	-1.1185	-0.078700	0.55270
11.900	0.66291	-0.20911	0.87202	-0.75924	-0.052200	0.60236
11.950	2.5746	0.21070	2.3639	-0.38712	-0.025200	0.62304
12.000	1.8317	0.61530	1.2164	-0.0046300	0.0018800	0.61805
12.050	-1.0643	0.98834	-2.0526	0.37578	0.028000	0.58454
12.100	2.3001	1.3219	0.97818	0.74509	0.052400	0.52444
12.150	1.7966	1.6109	0.85669	1.0952	0.074300	0.44430
12.200	3.0291	1.8518	1.1773	1.4186	0.093200	0.34001
12.250	2.3276	2.0427	0.28486	1.7084	0.10859	0.22567
12.300	3.4846	2.1829	1.3016	1.9585	0.12020	0.10420
12.350	2.8635	2.2731	0.59041	2.1638	0.12778	-0.018400
12.400	3.7059	2.3150	1.3909	2.3200	0.13125	-0.13630
12.450	5.7350	2.3110	3.4240	2.4243	0.13068	-0.24400
12.500	1.6507	2.2644	-0.61364	2.4748	0.12624	-0.33672
12.550	4.6686	2.1787	2.4898	2.4711	0.11820	-0.41054
12.600	2.0697	2.0581	0.011800	2.4137	0.10696	-0.46257
12.650	1.3939	1.9064	-0.51246	2.3044	0.093000	-0.49105
12.700	2.5201	1.7277	0.79232	2.1463	0.076800	-0.49540
12.750	2.7832	1.5262	1.2570	1.9435	0.059000	-0.47624
12.800	2.9708	1.3057	1.6652	1.7008	0.040200	-0.43529

12.850	1.2460	1.0698	0.17613	1.4241	0.020900	-0.37522
12.900	0.46896	0.82233	-0.35337	1.1200	0.0019000	-0.29958
12.950	1.7768	0.56663	1.2592	0.79551	-0.216400	-0.21250
13.000	2.3691	0.30308	1.0660	0.45544	-0.033600	-0.11880
13.050	-2.0638	0.036500	-2.1003	0.10843	-0.049000	-0.022900
13.100	-1.2218	-0.22899	-0.99276	-0.23716	-0.062400	0.070600
13.150	-1.7114	-0.48950	-1.2219	-0.57355	-0.073300	0.15735
13.200	-0.95458	-0.74122	-0.21336	-0.89329	-0.081500	0.23357
13.250	-2.0119	-0.98024	-1.0316	-1.1894	-0.086900	0.29600
13.300	-3.5119	-1.2026	-2.3094	-1.4554	-0.089400	0.34222
13.350	-2.4876	-1.4042	-1.0834	-1.6857	-0.089900	0.37063
13.400	-3.3539	-1.5811	-1.7727	-1.8757	-0.086000	0.38058
13.450	-0.95111	-1.7296	0.77853	-2.0214	-0.080500	0.37229
13.500	-0.92186	-1.8462	0.92435	-2.1203	-0.072800	0.34688
13.550	3.9505	-1.9277	5.8781	-2.1707	-0.063200	0.30619
13.600	-3.9844	-1.9714	-2.0129	-2.1721	-0.052100	0.25277
13.650	-4.3184	-1.9755	-2.3429	-2.1252	-0.039900	0.18965
13.700	5.9876	-1.9387	7.9263	-2.0318	-0.027100	0.12020
13.750	-3.1370	-1.8607	-1.2763	-1.8946	-0.014100	0.048000
13.800	-2.2703	-1.7420	-0.52825	-1.7173	-0.0012000	-0.023500
13.850	-1.0885	-1.5845	0.49592	-1.5046	0.011100	-0.090900
13.900	-2.8407	-1.3906	-1.4500	-1.2619	0.022400	-0.15119
13.950	-1.3414	-1.1643	-0.17711	-0.99502	0.032600	-0.20180
14.000	-3.3797	-0.90795	-2.4718	-0.70814	0.041400	-0.24123
14.050	-1.6895	-0.62659	-1.0629	-0.40744	0.048600	-0.26779
14.100	-2.2780	-0.32707	-1.9510	-0.10049	0.054000	-0.28061
14.150	-3.8515	-0.016700	-3.8349	0.20548	0.057500	-0.27962
14.200	-5.5580	0.29692	-5.8549	0.50336	0.059000	-0.26543
14.250	-0.51836	0.60561	-1.1240	0.78630	0.058600	-0.23926
14.300	-7.8952	0.90135	-8.7975	1.0749	0.056300	-0.20286
14.350	-2.0584	1.1763	-3.2347	1.2823	0.052400	-0.15840
14.400	1.0495	1.4230	-0.37347	1.4843	0.047100	-0.10833
14.450	-1.4043	1.6348	-3.0391	1.6496	0.040500	-0.055300
14.500	5.1750	1.8058	3.3692	1.7749	0.032900	-0.0019300
14.550	5.8346	1.9314	3.9032	1.8576	0.024600	0.049200
14.600	5.6173	2.0081	3.6092	1.8964	0.016000	0.095700
14.650	4.7262	2.0339	2.6923	1.8910	0.0072500	0.13563
14.700	-1.2685	2.0081	-3.2706	1.8421	-0.0013000	0.16734
14.750	6.2717	1.9316	4.3421	1.7513	-0.0094100	0.18968
14.800	-0.13997	1.8066	-1.9465	1.6214	-0.016800	0.20202
14.850	6.1028	1.6367	4.4660	1.4559	-0.023400	0.20422
14.900	1.9965	1.4270	0.56951	1.2592	-0.028800	0.19664
14.950	-0.18682	1.1832	-1.3700	1.0362	-0.033100	0.18011
15.000	2.7117	0.91125	1.8005	0.79175	-0.036300	0.15578
15.050	3.2243	0.61725	2.6070	0.53063	-0.038200	0.12478
15.100	1.8425	0.30952	1.5330	0.25938	-0.038700	0.088900
15.150	1.8240	-0.0033900	1.8274	-0.038400	0.038000	0.050000
15.200	-0.95844	-0.31291	-0.64553	-0.28713	-0.036100	0.010400
15.250	0.60100	-0.61065	1.2117	-0.54933	-0.033200	-0.028100
15.300	-0.63540	-0.88872	0.25332	-0.79582	-0.029300	-0.063600
15.350	7.3717	-1.1399	8.5116	-1.0209	-0.024600	-0.094400
15.400	3.6054	-1.3579	4.9633	-1.2193	-0.019400	-0.11920
15.450	0.71016	-1.5375	2.2476	-1.3867	-0.013800	-0.13698
15.500	-1.1823	-1.6745	0.49226	-1.5194	-0.0079600	-0.14718
15.550	-6.6046	-1.7663	-4.8382	-1.6145	-0.0021800	-0.14962
15.600	-1.6705	-1.8114	0.14087	-1.6703	0.0033900	-0.14452
15.650	1.3399	-1.8096	3.1495	-1.6857	0.0085900	-0.13247
15.700	-1.6991	-1.7621	0.063000	-1.6610	0.013300	-0.11439
15.750	-3.9598	-1.6713	-2.2884	-1.5971	0.017300	-0.091400
15.800	-1.5416	-1.5406	-0.00099600	-1.4961	0.020500	-0.065000
15.850	0.35664	-1.3744	1.7310	-1.3608	0.023000	-0.036600
15.900	0.13080	-1.1779	1.3087	-1.1949	0.024600	-0.0076100
15.950	-7.7044	-0.95701	-6.7473	-1.0027	0.025300	0.020400
16.000	-2.9794	-0.71788	-2.2615	-0.78898	0.025100	0.045900
16.050	0.83078	-0.46667	1.2924	-0.55897	0.024200	0.068100
16.100	-2.7363	-0.20990	-2.5264	-0.31833	0.022500	0.085900
16.150	-0.13529	0.045900	-0.18120	-0.073000	0.020200	0.098700
16.200	-4.7816	0.29454	-5.0761	0.17116	0.017400	0.10602
16.250	1.5656	0.53012	1.0355	0.40821	0.014100	0.10783
16.300	-2.6088	0.74734	-3.3562	0.63257	0.010500	0.10427
16.350	0.34916	0.94152	-0.59237	0.83900	0.0067700	0.095800
16.400	-0.52957	1.1087	-1.6383	1.0228	0.0030100	0.082900
16.450	-2.5220	1.2458	-3.7678	1.1797	-0.0065500	0.066700
16.500	1.8971	1.3503	0.54684	1.3065	-0.0041100	0.047900
16.550	1.7902	1.4208	0.36935	1.4004	-0.0072600	0.027700
16.600	-3.9483	1.4567	-5.4049	1.4596	-0.0100000	0.0075000
16.650	9.9161	1.4580	8.4581	1.4832	-0.012300	-0.012900
16.700	-2.3874	1.4257	-3.8131	1.4711	-0.014000	-0.031300
16.750	-2.1956	1.3615	-3.5572	1.4240	-0.015200	-0.047200
16.800	0.24737	1.2677	-1.0203	1.3436	-0.015900	-0.060000
16.850	-4.7015	1.1470	-5.8485	1.2323	-0.016000	-0.069300
16.900	1.2973	1.0030	0.29437	1.0932	-0.015500	-0.074700
16.950	4.5690	0.83931	3.7296	0.93006	-0.014600	-0.076100
17.000	0.21956	0.65992	-0.44036	0.74703	-0.013300	-0.073800
17.050	-10.877	0.46907	-11.346	0.54868	-0.011600	-0.068000
17.100	-1.5282	0.27132	-1.7995	0.34008	-0.0096300	-0.059100

17.150	-1.0949	0.071200	-1.1661	0.12640	-0.0074400	-0.047800
17.200	1.1167	-0.12684	1.2435	-0.087100	-0.0051300	-0.034600
17.250	-3.8207	-0.31847	-3.5022	-0.29531	-0.0027800	-0.020400
17.300	6.8839	-0.49956	7.3835	-0.49324	-0.00046300	-0.0058600
17.350	5.6139	-0.66632	6.2802	-0.67627	0.0017400	0.0082200
17.400	-10.769	-0.81528	-9.9537	-0.84023	0.0037600	0.021200
17.450	-2.2418	-0.94344	-1.2984	-0.98143	0.0055400	0.032500
17.500	0.019100	0.019100	0.0000	-1.0968	0.0070400	0.041500
17.550	1.5054	1.5054	0.0000	-1.1841	0.0082300	0.048100
17.600	0.89250	0.89250	0.0000	-1.2415	0.0090800	0.052000
17.650	5.1860	5.1860	0.0000	-1.2682	0.0095800	0.053100
17.700	0.31319	0.31319	0.0000	-1.2640	0.0097500	0.051500
17.750	10.038	10.038	0.0000	-1.2296	0.0095800	0.047500
17.800	13.564	13.564	0.0000	-1.1663	0.0091100	0.041300
17.850	15.489	15.489	0.0000	-1.0761	0.0083700	0.033400
17.900	20.270	20.270	0.0000	-0.96165	0.0074000	0.024300
17.950	21.527	21.527	0.0000	-0.82619	0.0062400	0.014400
18.000	29.534	29.534	0.0000	-0.67237	0.0049500	0.0043300