

	BES1#1	BES1#2	BES1#3	BES1#4	BES1#5	σ	BES2#1	BES2#2	BES2#3
Na	1	1	1	26	1	11.2	1	1	1
Mg	1	1	1	1	1	0.0	1	1	1
Al	1	1	1	1	1	0.0	1	1	1
Si	58930	75901	68791	12528	60195	24864.6	43896	39632	88622
P	1766	1717	1729	2387	2290	331.5	1684	1860	2041
S	293	26	1	204	31	129.9	1	1	89
Cl	2623	2607	3689	2978	4293	734.9	3104	3966	4934
K	483	1053	836	1	910	422.3	1	644	2836
Ca	10159	8738	7223	246600	8292	106440.7	7293	12845	15700
Ti	2446	3676	2592	1881	2501	653.2	949	1229	2099
V	14	203	104	4	1	88.0	1	1	1
Cr	0	24	0	118	0	51.2	1	1	532
Mn	1347	1173	1185	1	1478	592.5	537	822	823
Fe	28018	33565	7634	10886	5813	12707.1	5928	6578	20163
Co	1318	1317	985	712	797	284.0	741	690	1103
Ni	3060	2420	2343	2292	1038	735.3	1428	569	3141
Cu	3167	2896	3227	3795	2460	488.5	3292	2713	4045
Zn	681	169	312	140	519	232.1	428	543	149
Rb	194	227	24	479	140	167.6	259	406	43
Sr	1455	1934	1699	11748	1156	4564.9	1285	1861	1764
Y	395	353	519	575	398	94.2	682	853	526
Zr	4292	3688	3622	4472	4892	537.9	3658	3891	3434
Nb	59	-55	-15	72	131	73.7	335	459	500
Mo	27	2	-6	2	33	17.2	-1	0	123
Rh (K12)	19001	21959	21205	14738	19661	2816.5	18261	17844	24493
Rh (L1)	15768	15640	15397	15579	14507	505.0	15636	16123	13594
Pd (K12)	23026	25437	24538	16294	23012	3599.5	21279	21006	26943
Pd (L1)	11131	10391	10656	10873	10651	277.2	11193	11183	9561
Cs (K12)	417	245	122	140	367	132.1	116	141	200
Cs (L1)	1	70	5	0	2	30.5	0	1	1
Ba (K12)	234	40	144	314	367	131.2	206	359	267
Ba (L1)	375	1	123	208	515	203.5	1018	1294	1
La	30	34	181	51	172	76.2	5	3	87
Ce (L1)	265	270	432	676	184	195.6	293	1	141
Ce (M1)	0	0	0	1	0	0.4	0	0	0
Pr (L1)	1089	525	780	397	1112	323.0	898	1067	293
Pr (M1)	-51	1	0	74	152	79.0	-36	8	0
Yb (L1)	3136	3261	3958	3053	4147	504.3	4233	5142	3447
Yb (M1)	1	0	1	1	1	0.4	1	1	0
Lu (L1)	146	0	221	55	0	96.9	-1	0	141
Lu (M1)	0	0	0	1	0	0.4	0	0	0
Pb (L1)	1063	1129	1081	446	995	281.8	141	766	1314
Pb (M1)	0	0	0	0	0	0.0	0	0	0
Th (L1)	230	181	249	532	197	144.6	435	603	232
Th (M1)	1	13	1	1	1	5.4	1	1	1
U (L1)	217	338	539	164	317	144.1	606	683	363
U (M1)	0	0	0	0	0	0.0	0	0	0

BRFN#12	BRFN#13	σ	BRWN#1	BRWN#2	BRWN#3	BRWN#4	BRWN#5	BRWN#6
1	1	0.0	1	1	1	1	1	1
1	1	0.3	1	1	1	1	1	1
1	1	0.0	10	1	1	1	1	1
78549	33358	17137.4	21503	54011	68433	73266	127549	143965
0	119	82.6	45	110	124	225	219	146
1	67	20.7	1	1	1	1	1	1
3242	5552	818.1	2825	2749	2859	2879	6931	7012
470	1659	435.7	1	1	101	310	79	650
7537	346912	133132.6	8286	11613	7988	11958	18880	12483
1396	1450	363.5	698	334	979	1165	1954	2777
1	509	174.8	1	150	30	192	368	265
1	1	9.6	1	2	1	1	0	1
874	4917	3238.8	106	936	1346	1309	2274	11862
6848	21545	5815.1	8163	15124	9476	15014	16608	37250
1086	1307	270.8	768	1074	892	1284	2688	3630
1981	1113	502.9	2184	2086	1159	1097	2198	3417
2838	1352	504.9	2932	1984	1911	2155	3481	4568
297	255	135.1	362	876	529	516	1226	1098
200	316	171.2	493	454	142	203	689	281
1801	4301	1485.3	396	959	1368	1242	1977	2011
401	1	110.9	0	1	2	1	1	1
0	0	72.9	165	0	21	0	0	139
454	-37	185.0	-177	219	31	110	460	413
1	2	17.7	0	1	0	1	1	18
22000	19342	1695.2	14419	20050	20061	20776	40433	43753
15446	15637	337.4	16721	16320	16053	16153	32916	31587
24299	20276	2198.3	16897	22862	23910	23752	45599	49725
10981	10684	228.9	11270	10945	11056	10949	22566	23070
664	146	194.4	279	74	244	257	266	254
0	1	40.6	49	1	-5	2	0	12
543	102	197.5	239	164	108	273	41	150
240	288	298.8	428	1101	552	336	1542	996
397	209	119.3	120	2	1	96	117	171
258	53	134.9	660	0	308	211	472	637
0	2	0.8	1	0	0	0	0	0
903	234	231.5	534	797	1314	752	2274	1894
0	53	39.6	159	-52	-59	1	24	0
4656	4118	452.5	3223	3599	4509	4931	10225	9248
1	0	0.4	0	1	1	1	1	1
279	46	120.9	63	0	0	0	0	58
0	277	101.7	41	73	0	0	-4	0
910	257	285.0	301	630	859	1394	1318	1334
0	0	0.0	0	0	0	0	0	0
224	232	236.9	471	293	224	350	422	284
1	0	0.4	1	2	1	1	1	1
757	394	186.6	566	187	504	475	1038	1221
0	32	8.9	0	0	0	0	0	0

BRWN#7	σ	CBB#1	CBB#2	CBB#3	CBB#4	CBB#5	σ	CBX#1	CBX#2
1	0.0	1	1	1	1	1	0.0	1	1
0	0.4	1	1	1	1	1	0.0	1	1
1	3.4	1	1	1	1	1	0.0	1	1
79925	42067.8	77861	87465	90786	71667	63733	11138.7	40423	59216
1	82.9	2305	2276	2298	2510	2465	108.2	96	43
1	0.0	1	1	1	1	1	0.0	1	1
6808	2186.8	3032	3115	4368	2930	3153	592.3	2353	2200
67	234.8	3012	3067	3895	2782	2850	447.8	1	1
13299	3634.6	7121	7326	7325	7225	9135	847.6	5076	17550
1131	822.0	1855	2001	1992	1890	1571	174.5	442	1002
204	128.0	122	1	1	1	33	52.4	279	5
-14	5.7	1	1	1	1	-1	0.9	1	0
769	4111.9	1222	764	1105	1414	879	261.0	861	1561
19170	9631.8	5197	5170	4386	4708	4440	387.9	4022	3968
1463	1067.9	1144	1388	1358	1287	768	253.5	857	1016
2832	833.5	1679	2234	1170	1084	1748	469.0	900	1172
4673	1180.0	2858	3050	2815	2380	3232	318.9	1245	1572
948	327.5	578	684	551	984	686	171.9	590	620
988	297.6	1	117	204	304	517	196.0	378	288
1354	563.0	1007	1375	785	1098	1400	258.9	985	1502
1	0.6	396	744	152	587	658	236.5	1	1
556	202.2	6464	6567	6275	6756	6817	220.1	0	0
-5	229.8	4	138	-86	78	38	83.8	-126	125
-1	6.7	0	-3	58	0	21	25.8	1	1
36458	11812.0	20644	22004	21821	18282	19030	1658.7	17322	19254
33650	8792.6	14492	14350	14271	15056	14835	333.8	16134	16329
42234	13221.1	21924	25364	24180	19501	18982	2803.0	19503	21064
23636	6441.7	10415	10195	10114	10439	10772	256.5	10940	11009
323	78.6	121	388	199	261	-1	146.2	302	70
0	18.6	221	408	214	520	388	131.2	88	0
60	86.6	81	1	176	106	147	67.4	30	0
2070	634.8	62	1	1	326	301	162.2	997	504
56	63.8	51	101	-24	65	182	75.2	42	121
488	238.3	195	193	275	296	178	54.0	193	342
-1	0.6	0	1	1	0	1	0.5	3	0
1428	639.9	497	521	711	1154	605	268.6	1186	1242
-57	76.7	0	0	0	0	0	0.0	-5	0
8152	2868.4	4812	4036	4536	4847	4510	325.1	4926	4929
3	0.9	0	1	1	1	1	0.4	3	1
-2	29.8	0	0	44	0	0	19.7	0	0
349	128.3	0	0	0	0	0	0.0	76	2
373	468.5	579	1384	830	535	725	341.4	542	365
0	0.0	0	0	0	0	0	0.0	0	0
321	84.8	40	106	631	272	294	229.5	481	-14
1	0.4	1	1	1	1	1	0.0	1	1
1013	376.9	733	228	285	346	340	199.6	520	661
0	0.0	0	0	0	0	0	0.0	0	0

CBX#3	CBX#4	CBX#5	CBX#6	CBX#7	CBX#8	σ	FPX#1	FPX#2	FPX#3	FPX#4	FPX#5
1	1	1	1	1	1	0.0	1	1	1	1	1
1	1	0	1	1	1	0.4	1	1	1	1	1
1	1	1	1	1	1	0.0	1	1	1	1	37
70522	58584	39506	71347	79248	54014	14369.1	50764	61864	55278	61110	44049
0	63	1	0	103	0	44.6	2	2	177	70	333
1	1	1	1	1	1	0.0	1	1	1	1	120
2311	2409	2821	2953	2797	2645	278.6	2926	2494	2837	2792	5264
1	1	1	153	1	323	118.7	1	1	1	62	1155
6579	15491	10237	18269	6855	27943	7795.4	5847	6424	6194	10132	121038
1140	332	586	1021	1023	1095	322.4	581	1334	1015	1345	1858
1	85	167	1	1	339	137.1	197	1	125	1	6
1	1	1	1	1	0	0.5	2	1	1	33	2
1138	1347	1032	1230	1191	1648	261.8	1022	1003	937	833	8328
4180	4438	4001	6480	4575	21904	6200.4	5947	8606	7837	8412	82703
720	908	505	1131	1199	1014	225.7	870	999	908	1048	2376
1399	1757	1738	1445	771	1418	357.9	1144	1485	1245	1187	1241
1855	1786	1384	2547	2265	1935	435.0	1996	2709	2001	2020	2025
328	254	789	571	367	554	177.7	522	139	496	334	1039
280	291	88	133	1	127	128.8	467	320	40	352	297
1239	1450	1306	1067	1093	1261	182.9	1072	1107	1244	1100	1542
1	4	1	96	1	1	33.5	-1	1	1	1	1
0	0	191	120	0	0	74.4	119	0	0	129	31
424	181	132	-111	44	314	190.3	244	-81	24	605	394
1	1	27	28	2	1	12.2	55	1	1	0	2
20341	20685	17736	21939	22458	19707	1824.0	19192	20930	19223	21445	19703
16286	15878	16564	15614	15832	16286	314.8	16013	16258	16192	16475	16381
20951	23044	21638	23966	24341	23072	1674.0	22703	23335	22934	23335	23388
10883	11279	11172	11168	10684	11118	192.3	11295	10748	11132	10901	10644
207	149	0	249	355	39	128.6	0	0	328	123	225
0	27	55	0	0	0	33.6	1	1	0	53	74
44	100	137	116	164	228	75.7	-20	85	386	114	203
501	705	698	443	311	485	212.3	1157	385	533	483	1024
121	70	16	17	118	58	45.0	66	54	141	85	11
364	394	319	258	338	191	77.1	104	343	495	320	224
0	0	34	0	0	0	11.9	0	1	0	0	0
1150	799	1253	607	915	966	233.3	1000	940	753	601	553
0	0	142	-54	0	-62	62.0	-79	1	52	-62	27
4680	4153	4392	4737	5158	4507	326.2	4668	4663	4769	4783	4046
1	1	-2	1	1	1	1.4	1	23	2	0	5
22	0	-1	0	0	0	7.8	0	0	0	-1	78
0	0	301	0	2	0	105.7	76	303	1	0	1
707	712	279	525	852	974	236.5	731	484	1049	598	819
0	0	0	0	0	0	0.0	0	0	0	0	0
286	255	706	209	-8	399	242.1	597	12	419	286	11
0	1	1	1	1	1	0.4	0	0	1	1	0
562	452	652	237	386	275	160.5	592	328	632	612	599
0	0	0	1	0	0	0.4	0	0	0	0	0

σ	GGN#1	GGN#2	GGN#3	GGN#4	GGN#5	σ	HHLN#1	HHLN#2
0.0	1	1	1	1	1	0.0	1	1
0.0	1	1	1	1	1	0.0	1	1
0.0	1	1	1	1	1	0.0	1	1
16092.9	88043	75737	79641	88632	89510	6224.0	76991	73014
57.5	2512	2455	2407	2643	2404	99.0	2495	2442
0.0	1	1	1	1	1	0.0	1	1
228.0	3059	3156	2942	3079	3266	120.2	2549	3070
61.4	3144	2948	2959	3272	3094	135.2	2586	2730
10945.1	11366	9506	10363	9582	7607	1382.6	7698	6087
304.3	1917	2178	1507	2009	1948	247.7	1874	1757
48.3	1	1	1	1	1	0.0	1	1
20.7	1	1	1	1	1	0.0	0	1
325.3	1593	1424	909	1516	1614	290.5	1367	1346
913.0	6375	6020	6033	5728	6042	229.1	3987	4484
208.9	1402	1194	1208	1276	1635	182.8	1137	671
252.6	1443	888	1370	1622	1556	289.6	1106	751
503.6	3390	2649	3774	2835	3461	465.9	2739	2408
151.6	333	714	631	472	744	173.3	579	359
149.7	287	222	1	202	553	198.9	271	293
235.4	836	788	969	1538	1201	308.5	1425	1279
11.1	271	897	464	616	679	234.7	88	199
63.2	6707	6614	6728	7016	6460	203.4	5953	6238
158.5	445	352	245	134	23	168.0	-132	515
14.0	4	-1	-1	214	-2	95.7	0	88
1888.4	21713	20795	21868	22186	22079	553.0	20452	20070
350.3	14596	14645	14702	14597	14348	135.5	14538	14487
1668.1	23921	22468	23049	25346	23977	1091.2	23566	23947
327.1	10364	10439	10330	10245	10209	92.3	10649	10348
163.9	153	373	0	81	56	145.2	410	272
32.0	333	414	464	219	393	94.0	393	335
90.0	65	27	1	92	145	56.3	256	54
247.0	1	213	477	1	1	210.3	14	1
68.1	105	2	1	53	-8	48.0	241	153
108.8	224	339	244	141	234	70.4	326	248
1.5	0	0	0	0	0	0.0	0	0
319.3	898	1023	416	746	855	230.2	980	1235
35.5	0	0	0	1	0	0.4	0	0
273.8	4430	4679	4684	4477	4354	149.6	5036	4307
0.0	1	1	1	1	1	0.0	3	1
103.2	98	0	23	0	290	122.9	306	-1
29.5	0	0	0	0	0	0.0	1	0
424.6	949	1112	679	1082	1194	201.6	851	422
0.0	0	0	0	0	0	0.0	0	0
166.4	291	286	370	189	204	73.5	353	320
0.3	0	1	0	1	0	0.5	1	1
175.8	287	383	221	536	313	120.0	615	319
0.0	0	0	0	0	0	0.0	0	0

IW#4	σ	MCB#1	MCB#2	MCB#3	MCB#4	σ	MCX#1	MCX#2	MCX#3
1	0	1	1	1	1	0.0	1	1	1
1	0	1	1	1	1	0.0	1	1	1
1	0	1	29	1	1	14.0	1	1	1
66821	13059	34539	36535	10019	53711	17981.2	67421	14001	17380
215	82.47	247	29	447	249	170.7	114	181	91
1	0	1	1	1	1	0.0	1	1	1
3041	596.2	2488	2843	2681	2633	146.3	2438	2274	2841
1	76	1	1	1	1	0.0	97	1	403
15568	2172	11179	6372	7799	23711	7892.3	15798	4440	5772
1311	340.1	450	720	250	1159	393.2	1417	693	835
1	12	1	2	1	1	0.5	1	51	1
1	19.67	1	0	229	1	114.2	1	1	1
1113	181.8	758	1300	1	1677	727.4	1468	630	2615
6019	1365	4255	9437	4385	3666	2685.8	6658	2681	28322
1028	174.7	709	811	708	892	88.9	1232	453	716
1106	412.3	1882	1897	2049	727	612.5	1274	937	2129
2153	618.3	2197	2420	3671	1610	867.7	1567	1565	2648
92	69.77	350	390	305	703	180.7	277	72	345
113	201.2	315	1	371	69	181.4	184	32	347
1307	282	743	1048	674	2050	635.3	1687	33	866
1	0	12	3	1	1	5.3	1	1	36
0	49.5	231	138	93	0	96.1	0	0	0
151	131.2	-91	447	304	315	232.4	-116	41	135
1	0.5	54	2	2	1	26.2	1	1	1
21775	4365	17210	18520	13325	20003	2863.5	20152	5624	14749
15309	3093	16160	16281	16835	15749	448.0	15959	16946	16309
24927	5730	20358	21771	15890	23951	3405.7	23375	7937	17556
11068	2209	11423	11341	11421	10841	279.6	10837	11529	11704
286	119.5	292	133	189	338	93.7	547	31	153
0	15.7	121	63	0	25	52.6	15	43	1
1	108.4	125	102	96	123	14.7	262	98	0
109	92.64	915	598	773	204	307.7	101	255	1329
-11	74.18	128	36	83	158	53.3	15	103	34
486	150.7	1	339	1019	129	453.3	304	122	456
0	0	1	1	1	0	0.5	0	0	0
1079	170.7	859	887	126	1397	523.0	993	96	492
-34	15.99	161	35	169	1	86.1	40	0	7
4672	873	4003	4088	3673	4663	411.8	4199	2434	3416
1	0	1	0	1	1	0.5	-1	0	4
113	53.89	0	-3	173	65	82.4	129	4	-9
0	0	2	230	3	0	114.2	1	0	95
676	178.6	36	107	-146	398	226.2	684	249	-93
0	0	0	0	0	0	0.0	0	0	0
212	191.1	649	279	298	326	175.1	51	129	352
1	0	1	1	1	1	0.0	1	1	1
414	187.3	459	523	232	285	138.5	394	248	820
0	0	0	0	0	0	0.0	0	0	0

PBS2#1	PBS2#2	PBS2#3	PBS2#4	PBS2#5	PBS2#6	PBS2#7	PBS2#8	PBS2#9	σ
1	1	1	1	1	1	1	1	1	0.0
1	1	1	1	1	1	1	1	1	0.0
1	1	1	1	1	1	1	1	1	0.0
40855	59197	14920	64322	63158	66531	71562	64521	81627	19598.7
1585	1819	2533	1622	1823	1651	1572	1537	1626	310.0
337	182	1	1197	226	342	1	1	236	370.1
3463	3103	2927	2983	3057	3756	3330	3014	3374	275.4
168	105	0	193	89	1	1	1	155	80.6
8144	12421	927627	8232	7598	8018	6586	7426	7034	306486.2
1037	1072	1763	1617	1372	1847	1408	1420	1882	311.7
21	1	2	269	1	1	1	1	1	88.7
0	0	1	1	1	0	1	3	1	0.9
757	989	1563	1353	760	1453	691	1462	1431	357.4
4929	5606	7282	58361	5987	4805	5364	4979	6789	17568.5
1011	1301	1422	1778	1205	1063	1020	866	921	288.3
1167	1662	599	1525	1732	449	2127	1217	986	546.0
3215	3038	2263	2974	3358	2401	3540	2470	2704	449.9
602	499	333	798	308	536	386	735	504	169.2
217	250	59	191	180	126	86	350	305	96.8
1356	1551	22005	1578	1463	1634	1337	1482	1661	6833.3
491	367	1043	219	101	422	476	605	371	266.2
4093	3476	4512	2935	3090	3311	3229	3384	3127	513.9
224	146	270	432	51	151	116	140	33	122.0
0	-1	-7	0	3	4	-5	148	0	49.7
17238	20306	17039	20671	20419	20653	20973	20215	21329	1587.2
15883	15715	15401	15956	15539	15266	15263	15914	15173	308.2
21467	22638	12329	23779	23465	24045	24117	23147	25342	3874.2
11147	10717	10120	10903	10760	11064	10947	10858	10944	297.9
175	246	231	251	318	506	378	0	325	140.1
51	1	40	9	1	-2	0	49	32	22.6
80	20	40	10	220	172	-6	-5	37	80.7
696	496	1	691	339	304	449	659	248	233.8
2	72	16	67	104	91	6	83	149	49.3
210	224	159	204	375	319	447	178	279	97.2
-1	0	1	0	0	0	0	1	0	0.6
662	599	0	764	419	1213	395	928	1106	379.6
-13	0	1	1	1	1	2	0	0	4.6
4002	4036	4678	3908	4032	5308	4103	4766	4485	473.1
7	1	0	1	1	1	1	1	1	2.1
0	60	26	25	0	0	0	0	0	21.0
98	3	0	0	0	0	0	0	0	32.6
386	113	410	831	717	639	297	704	1058	294.4
0	0	1	0	0	0	0	0	0	0.3
312	309	270	204	217	168	554	99	408	136.2
1	1	1	1	1	1	1	1	0	0.3
246	479	102	727	246	419	584	398	417	188.4
0	0	-2	0	0	0	0	0	0	0.7

PBS3#1	PBS3#2	PBS3#3	PBS3#4	PBS3#5	PBS3#6	σ	PBS4#1	PBS4#2	PBS4#3	PBS4#4
1	1	1	1	1	1	0.0	1	1	1	1
1	0	1	1	1	1	0.4	1	1	1	1
1	1	1	1	51	1	20.4	8	1	1	1
57329	38538	44582	58495	36833	44490	9224.3	60156	56562	40050	68441
1	44	296	206	143	310	128.0	1715	1972	1809	1674
43	1	1	1	1	1	17.1	1224	1496	1	1
3324	2649	2409	3359	2895	2913	371.8	5178	3765	4002	3487
1	1	1	1	1	1	0.0	98	241	187	19
17118	8155	8497	7927	10199	10658	3464.4	12112	86157	7186	6585
696	737	759	721	152	494	236.5	2389	1905	2003	1508
3	408	2	26	42	31	158.9	1	1	364	1
0	0	0	1	2	-7	3.2	1	1	1	1
1522	1202	1178	1233	717	959	272.5	1534	1920	646	979
4497	4014	4764	4075	5020	3665	509.7	4221	7165	6331	5525
1058	800	1155	942	733	899	157.4	865	1029	704	1144
1541	850	942	1326	1101	1315	261.4	1731	981	1459	2118
1837	1772	1832	2340	2077	1479	292.1	2588	2620	2640	2881
237	686	519	607	336	560	170.6	498	2115	412	260
70	11	272	172	354	1	144.8	238	204	464	241
2466	1931	1764	2008	1867	2354	281.2	2560	5615	1657	1463
2	-1	1	1	1	1	1.0	786	647	496	517
56	109	141	61	66	29	40.6	3273	3906	3723	3230
-12	36	-75	-9	259	153	124.1	-51	235	-66	174
1	2	-1	2	34	2	13.4	0	61	23	3
21029	17041	19331	20344	17814	17583	1622.5	19644	19455	17722	20006
16090	16504	16626	16375	16444	16064	227.5	15143	15685	14557	14355
23312	19530	22417	21964	21453	20031	1439.9	23231	21230	19529	23349
11314	11227	11071	10627	11291	11218	258.2	10855	10569	10905	10576
203	39	111	135	251	404	127.9	325	86	204	-3
2	36	1	65	1	60	30.3	1	1	62	1
621	62	139	119	272	110	208.5	249	41	238	110
387	944	490	588	1094	1050	307.0	224	606	263	471
292	211	103	171	10	70	102.2	52	141	138	21
160	238	453	286	1	29	169.2	374	183	185	204
0	1	-19	0	1	0	7.9	0	0	-2	0
1012	1178	1241	1159	920	1190	123.3	1207	1189	507	424
-33	94	9	0	156	22	70.1	32	-18	-21	14
4352	4837	5419	4819	4506	4360	405.7	4174	4228	4051	4544
4	4	2	1	0	1	1.7	0	1	1	1
31	0	0	0	0	-1	12.7	90	0	5	186
293	187	143	1	172	3	113.5	0	0	8	0
618	525	158	1006	150	402	321.4	582	1104	109	460
0	0	0	0	0	0	0.0	0	0	0	0
547	408	392	321	558	71	178.6	417	259	391	476
1	0	1	1	-4	1	2.0	1	1	1	1
528	456	328	236	516	241	133.3	589	586	670	472
0	0	0	0	0	0	0.0	0	0	0	0

SG1#1	SG1#2	SG1#3	SG1#4	SG1#5	σ	SG2#1	SG2#2	SG2#3	SG2#4	SG2#5	SG2#6
1	1	1	1	1	0.0	1	1	1	1	1	1
1	1	1	1	1	0.0	1	1	0	1	1	1
1	1	1	1	1	0.0	1	1	1	1	1	1
85621	91831	64956	70985	90815	12171.5	64932	24395	23124	61829	47854	68290
50	122	122	132	0	57.9	126	266	189	225	284	49
1	1	1	1	1	0.0	1	1	1	1	1	1
2384	2609	2116	2844	2666	281.0	2974	2319	2776	2621	2711	2842
1	1	1	1	1	0.0	1	1	1	1	1	1
4615	5511	11721	5628	5148	2931.5	13723	10722	9615	14682	14216	6626
746	1006	628	410	906	234.4	952	502	409	835	631	1220
5	85	1	286	231	130.8	95	5	1	1	80	1
1	1	1	1	34	14.8	0	1	1	1	0	1
2353	1580	19826	1231	1481	8134.3	1259	588	542	1013	1033	1920
10447	8828	18898	12370	12076	3834.9	4738	4437	4671	3652	3442	3782
1238	1067	1008	1001	1220	114.6	952	481	510	1107	636	1058
1483	854	1715	1734	1531	358.1	2162	1701	1013	2278	1900	2213
2228	2017	1988	2099	2095	93.2	2484	2700	2172	2536	2108	2157
263	117	483	251	215	134.3	622	508	320	435	775	313
66	255	145	1	52	99.0	213	204	604	295	63	1
852	646	865	699	878	107.5	1224	797	1189	1129	908	1333
1	137	540	1	68	225.5	1	157	69	1	1	1
0	0	144	123	69	67.2	0	481	0	98	110	0
-165	70	47	-3	252	149.8	236	83	210	-50	-51	70
1	1	-2	1	-1	1.4	1	0	1	30	3	1
21410	21843	19848	21184	21996	852.0	21446	15817	15282	21931	20859	22697
14962	14625	15729	15305	14851	431.3	15322	16659	16221	16040	16246	15945
24089	25267	24148	23985	24871	565.7	24605	18653	17820	25370	23814	25875
10688	10832	10955	10899	10912	104.4	10970	11044	11523	10965	11042	10598
313	125	0	351	122	146.4	338	375	389	105	267	236
100	26	1	-1	0	43.3	2	108	16	75	19	1
68	166	142	1	8	75.4	217	111	278	220	130	230
410	280	683	784	263	237.5	212	593	593	416	601	368
40	140	115	75	2	55.6	25	4	76	50	17	424
215	309	254	202	372	70.4	190	327	247	259	299	360
1	0	1	0	0	0.5	0	1	0	0	0	0
903	931	1050	602	800	168.2	724	566	381	641	718	990
0	0	0	-46	0	20.6	1	84	102	2	-19	-30
4131	4673	3681	4071	4399	372.1	4105	4371	3649	4247	3681	4068
1	1	-1	1	1	0.9	1	0	1	1	1	1
235	206	0	0	80	111.5	244	0	3	264	58	175
0	0	0	0	0	0.0	0	87	27	2	0	0
1046	742	596	342	785	258.7	950	137	-58	715	515	655
0	0	0	0	0	0.0	0	0	0	0	0	0
259	-113	168	546	519	271.7	72	445	536	273	256	290
1	1	1	1	1	0.0	1	1	0	1	1	1
547	498	432	631	257	140.9	354	672	529	411	548	594
0	0	0	0	0	0.0	0	0	0	0	0	0

σ	SG3#1	SG3#2	SG3#3	SG3#4	SG3#5	SG3#6	σ	SDP1#1	SDP1#2	SDP1#3
0	1	1	1	1	1	1	0.0	1	1	1
0.408	0	1	0	1	1	1	0.5	0	1	1
0	1	1	1	1	1	1	0.0	1	1	1
20321	36112	53214	23032	21561	43301	45665	12742.1	40750	51214	65917
89.24	91	134	439	296	169	126	133.0	98	249	100
0	1	1	1	1	16	1	6.1	1	1	1
224.6	2614	2391	2489	2588	2748	2727	137.2	2729	3095	2885
0	1	1	1	1	1	1	0.0	1	1	1
3172	6369	6467	6393	5842	6509	6177	248.8	8346	7015	8240
303.5	248	908	1	401	1048	728	405.6	921	948	1044
44.43	83	15	41	148	148	1	64.7	89	1	10
0.516	1	0	1	1	1	0	0.5	0	0	1
504.6	4418	1444	6838	2404	1308	1795	2182.9	982	728	1178
562	9406	11991	9037	8797	15413	8987	2639.0	4925	4523	4446
281.5	581	739	746	340	746	690	160.2	471	791	882
476	1720	1258	1918	1958	725	1285	476.5	1827	1825	934
245.8	1986	1755	2229	2021	1812	2062	172.8	1430	2733	2288
180	422	431	278	322	343	532	91.9	569	435	736
212.3	176	333	236	232	130	77	90.1	553	198	161
203.5	1341	854	1109	819	1227	953	210.1	1403	1137	1027
64.18	65	260	1	237	1	21	119.5	1	1	2
186.5	189	0	212	60	0	0	98.8	0	39	226
122.8	249	221	56	398	420	21	166.5	132	128	-208
11.8	144	1	361	1	1	2	146.8	1	17	1
3254	18168	20566	16011	15894	19423	20023	2019.7	18541	20639	21554
442	16543	16414	16725	16447	16019	16180	253.4	16383	16038	15857
3529	21996	24047	19492	19327	22793	24269	2163.4	22438	23132	23455
295.8	11107	10971	11184	11511	11124	11203	180.1	11047	11427	11008
106.6	123	-23	103	180	83	426	151.3	324	49	-22
44.21	245	97	1	1	1	1	99.5	1	48	50
63.97	130	15	208	90	380	90	128.1	282	164	96
159.4	969	487	1173	862	371	704	301.2	511	281	227
161.1	162	233	34	63	298	204	101.4	172	96	169
60.99	1	228	121	469	317	245	160.8	474	178	195
0.408	14	0	1	1	0	5	5.5	1	2	0
201.4	806	1208	624	703	892	1119	230.8	1218	778	1097
55.6	40	-35	169	152	1	57	81.4	60	30	27
295.6	3891	4137	4193	3637	4900	4607	462.1	4087	4699	4765
0.408	1	1	1	2	-4	0	2.1	3	1	1
119.1	3	104	16	0	-1	-1	41.6	4	64	-1
34.81	1	0	-2	52	182	233	103.9	197	-2	1
378.1	404	482	351	148	711	441	183.3	357	458	692
0	0	0	0	0	0	0	0.0	0	0	0
161.6	492	475	582	636	362	518	94.4	224	27	37
0.408	1	1	1	1	1	1	0.0	1	1	1
117.4	666	718	695	636	343	854	169.1	677	222	342
0	0	0	0	0	0	0	0.0	0	0	0

SH#16	SH#17	SH#18	SH#19	SH#20	σ	MOR#1	MOR#2	MOR#3	σ
1	1	1	1	1	0.0	1	1	1	0.0
1	1	1	0	1	0.2	1	1	1	0.0
1	1	1	1	1	21.1	1	1	1	0.0
53291	31842	53386	17597	43837	19268.1	63887	66629	67969	2080.7
151	127	118	309	271	1058.2	0	200	306	155.4
1	1	1	1	1	50.5	1	1	1	0.0
2702	3028	3248	2775	3067	246.5	2641	2746	2802	81.7
237	1	149	0	1	2449.6	1	25	80	40.5
9112	6452	7162	7993	6178	5772.5	10981	7929	7541	1884.1
1081	60	609	355	829	1975.5	1280	1129	1193	75.8
125	44	1	1	86	79.3	109	1	1	62.4
1	0	0	1	1	9.9	1	1	0	0.6
1759	662	1150	23	1124	978.3	1041	1330	1306	160.4
10166	4615	4215	4766	4224	40488.0	4237	3953	4828	446.4
1169	637	1094	492	1100	737.4	941	941	1293	203.2
1353	1306	788	1429	948	387.6	1444	1501	1571	63.6
2176	2303	2863	2463	2072	532.2	1945	2236	2181	154.6
718	606	590	347	532	366.6	271	545	307	148.9
330	237	1	421	431	140.4	388	124	1	197.7
1027	1562	1104	472	800	328.9	1372	1027	1109	180.2
1	1	1	1	1	280.1	1	1	1	0.0
0	125	69	237	0	2858.2	0	27	0	15.6
113	-94	-95	-84	85	173.0	-81	136	230	159.5
1	0	25	2	1	20.1	1	63	1	35.8
20768	17324	20702	14916	19871	1797.4	21340	21947	22764	714.6
16187	16465	16083	16534	15990	679.9	15991	15849	16046	101.7
23183	21062	23692	17981	23266	1849.2	23738	25556	25055	939.0
11576	11507	11275	11079	11258	508.5	10854	10590	10922	175.4
134	-2	442	135	133	118.5	289	356	156	101.8
121	166	1	129	28	158.5	2	7	1	3.2
10	56	504	302	225	126.5	64	226	131	81.4
625	1166	634	536	498	319.4	223	226	136	51.1
64	72	227	136	250	70.8	93	187	106	50.9
417	1	244	675	233	151.0	323	402	384	41.4
0	1	0	1	0	0.5	0	0	0	0.0
763	1159	642	359	961	308.7	642	913	784	135.6
30	108	-36	42	-77	39.3	-46	24	-27	36.2
4620	4290	5158	4244	5412	488.8	4494	4573	4576	46.5
0	-1	1	1	1	2.8	1	1	1	0.0
101	-1	0	0	0	57.0	158	53	0	80.4
1	157	0	1	101	40.7	0	0	0	0.0
955	637	620	20	257	239.2	542	641	702	80.7
0	0	0	0	0	0.0	0	0	0	0.0
193	402	598	466	573	142.3	168	233	369	102.6
0	1	1	1	1	0.4	1	1	1	0.0
367	757	480	316	478	169.7	390	478	452	45.2
0	0	0	0	0	0.0	0	0	0	0.0

WCN#22	WCN#23	σ	WCF1#1	WCF1#2	WCF1#3	σ	WCF2#1
1	1	0.0	1	1	1	0.0	1
1	1	0.0	1	1	1	0.0	1
1	1	19.8	1	1	1	0.0	1
81655	61814	10307.0	72886	95640	58480	18735.6	85036
2011	2327	251.8	2409	2227	2537	155.8	2290
1	1	0.2	1	1	1	0.0	1
2546	2905	396.3	3209	3853	3395	331.4	3186
3245	4632	2947.0	2883	3575	3944	538.6	3967
5406	18941	3812.3	5514	5550	10899	3098.7	11372
1661	3282	1345.5	1972	2229	2286	167.3	2416
1	1	156.3	1	1	1	0.0	1
1	1	166.3	0	1	1	0.6	8
1672	4506	1016.0	1465	982	1570	313.6	1980
5591	43513	204036.2	12658	8825	24350	8087.2	32466
1433	1793	4160.9	1343	1624	1380	152.7	1548
1424	1584	331.7	424	1463	560	564.7	1023
2762	2597	313.1	2907	3375	2898	272.8	3076
311	518	303.9	469	540	609	70.0	251
141	153	436.0	132	1	66	65.5	335
968	856	330.4	811	935	1037	113.2	997
722	477	245.1	189	524	622	227.1	255
6314	6958	1176.6	5864	5897	6830	548.4	6328
55	120	148.0	406	-51	80	235.3	-85
154	0	100.9	-5	138	328	167.1	98
21620	20553	1236.6	20195	22163	14366	4054.7	21216
12827	12671	275.9	14592	14397	14746	174.9	14746
23070	22332	1689.2	23546	25802	16080	5088.4	24310
9565	9826	255.7	10356	9979	10456	251.5	9696
201	194	125.9	151	313	0	156.5	392
443	471	126.5	178	245	466	150.7	487
185	102	98.0	55	112	215	81.1	329
17	122	202.4	132	1	132	75.6	244
55	193	82.3	56	17	68	26.7	47
196	210	96.2	233	202	257	27.6	229
1	0	3.2	1	1	1	0.0	1
744	659	276.8	1241	788	736	277.8	773
0	0	20.1	0	0	0	0.0	0
4437	3627	593.6	4999	4833	3610	758.6	4405
1	-26	5.7	1	1	0	0.6	0
35	19	63.8	3	20	126	66.7	0
0	-1	135.9	0	0	0	0.0	0
786	329	267.6	611	1168	940	280.0	666
0	0	0.0	0	0	0	0.0	0
197	-90	306.5	114	381	305	137.6	190
1	0	0.4	1	0	1	0.6	1
525	450	134.0	604	522	599	46.0	522
0	0	0.0	0	0	0	0.0	0

WCF2#2	WCF2#3	σ	WCF3#1	WCF3#2	WCF3#3	WCF3#4	σ
1	1	0.0	1	1	1	1	0.0
1	1	0.0	1	1	1	1	0.0
2	101	57.4	1	1	1	1	0.0
59568	58230	15105.0	62150	96473	42993	47761	24165.8
2573	2428	141.5	2774	2545	2441	2764	165.0
1	1	0.0	1	1	1	1	0.0
3127	3142	30.7	3467	3325	3246	2862	258.7
3475	10060	3668.1	4117	3377	2660	3094	612.3
26533	30637	10147.6	6480	17970	28519	5689	10807.7
2031	5678	2003.7	1888	2046	1354	1477	328.7
69	1253	704.0	40	1	149	192	89.8
-2	924	531.8	-1	151	2	1	75.2
2827	21778	11193.9	1043	827	701	936	146.6
116839	877845	465638.4	12059	6868	6774	10658	2681.7
3494	23247	12005.7	1225	1294	1150	1139	72.3
918	1224	155.5	1833	2245	1361	1412	413.1
2741	2948	169.0	2705	3672	2769	2819	456.2
904	1741	746.9	496	251	597	634	172.5
335	1524	686.5	291	295	107	129	101.4
899	840	79.3	1164	1768	2080	594	659.1
617	1709	756.9	724	421	692	339	192.8
6321	7729	810.9	6702	5993	7026	7200	533.1
-131	253	209.7	310	-133	63	-88	199.8
0	192	96.0	0	201	0	158	105.1
19117	18910	1275.8	19933	23657	17562	17869	2806.2
14992	15161	208.7	14860	14036	15327	15113	565.2
21993	19151	2583.9	22692	25555	20703	21419	2139.6
10319	9577	398.5	10147	9203	10218	10585	589.0
1	167	196.2	60	128	279	595	238.0
331	256	117.8	372	398	378	522	70.5
190	32	148.6	251	28	287	288	124.9
548	796	276.5	224	1	471	727	313.2
62	93	23.5	55	129	107	186	54.2
154	0	116.7	159	311	1	1	148.7
1	1	0.0	0	0	0	0	0.0
980	1	516.0	725	353	984	1013	305.9
0	0	0.0	0	0	-42	3	21.5
4028	2128	1220.4	3866	4095	4156	4278	172.8
4	0	2.3	1	1	3	1	1.0
0	1	0.6	0	85	0	0	42.5
1	0	0.6	0	0	253	0	126.5
868	1996	716.7	577	885	245	365	280.5
0	0	0.0	0	0	0	0	0.0
526	541	198.5	162	106	414	417	164.1
0	0	0.6	1	0	1	1	0.5
389	261	130.5	533	304	478	632	137.5
0	0	0.0	0	0	0	0	0.0

WCF4#1	WCF4#2	WCF4#3	WCF4#4	σ	WCF5#1	WCF5#2	WCF5#3	WCF5#4
1	1	1	1	0.0	1	1	1	1
1	1	1	1	0.0	1	1	1	1
1	1	1	1	0.0	146	1	1	1
86812	80220	52900	66745	15043.8	43166	85897	80094	70927
2393	2359	2585	2548	111.9	2476	2407	2430	2515
1	1	1	1	0.0	1	1	1	1
3347	3167	3232	3439	120.8	2937	3306	3131	3212
3418	2998	2921	3185	221.4	20815	2892	2767	2967
5977	5106	5459	5247	381.8	17869	5231	5000	5203
1986	1568	1503	1350	272.0	6323	1893	1224	1437
13	1	7	1	5.7	1309	1	1	5
8	0	5	0	3.9	1329	1	1	1
1359	1252	1137	1043	137.3	4642	1351	1034	1158
23851	4661	4071	4795	9676.1	1156442	8807	4040	4317
1442	1372	1418	773	320.2	26146	1583	1217	875
887	1400	1021	1934	469.0	825	1196	1604	1241
2960	3114	1987	3158	551.7	2910	3133	2884	2704
371	414	394	400	17.9	1846	398	274	549
125	327	548	502	192.2	3242	278	18	126
1119	755	502	613	268.6	1021	1007	762	1039
429	199	669	310	201.4	540	692	670	641
5822	6544	7419	6135	692.3	7004	6125	6317	6346
204	182	37	292	105.8	174	127	-85	-175
173	141	2	0	91.0	-1	226	-1	-5
20915	21146	12686	19920	4022.5	18530	21709	20618	20570
14743	14461	14998	14803	222.0	14781	14597	14801	14826
24707	23852	13498	21168	5100.1	18488	23778	22763	24291
10140	10250	10894	10173	356.2	9960	10055	9961	10204
1	209	71	158	92.2	193	121	182	176
329	292	470	490	99.4	203	424	473	698
87	135	186	74	50.9	63	298	256	11
240	101	347	388	128.2	1	82	735	544
152	-33	154	78	87.9	22	164	65	80
225	239	189	126	50.4	394	160	190	193
0	0	0	0	0.0	0	0	0	1
569	705	584	671	66.1	1	532	542	770
0	0	0	0	0.0	0	0	0	0
4414	4790	3863	3956	429.9	1682	4871	4408	4707
0	1	1	1	0.5	0	1	1	1
34	91	0	0	42.9	0	143	246	21
0	0	0	0	0.0	0	0	0	0
957	947	398	378	325.8	601	432	1016	657
0	0	0	0	0.0	0	0	0	0
312	-17	187	344	163.7	1285	423	120	366
1	1	1	0	0.5	0	1	1	0
868	502	92	391	320.6	75	366	313	195
0	0	0	0	0.0	0	0	0	0

σ	WKP1#1	WKP1#2	WKP1#3	σ	WKP2#1	WKP2#2	WKP2#3
0.0	1	1	1	0.0	1	1	1
0.0	1	1	1	0.0	1	1	1
72.5	1	1	8	4.0	1	1	1
18934.3	66568	82371	48098	17153.8	76204	83974	62718
48.1	2397	2372	2501	68.4	2362	2370	2442
0.0	1	1	1	0.0	1	1	1
156.9	3459	3297	2874	302.0	3227	3099	3050
8970.2	4318	3179	8288	2682.0	3085	3124	3445
6363.0	5806	6607	17352	6447.3	6103	6289	7604
2418.7	2034	2113	7415	3084.2	2178	2209	2388
653.3	1	1	379	218.2	1	1	58
664.0	0	0	253	146.1	1	1	0
1735.4	1438	897	66668	37817.7	1498	1673	1289
575364.5	16115	6572	548219	310001.9	6375	6224	11197
12463.9	1297	1297	11723	6019.5	1734	1164	1104
318.6	1075	1567	1148	265.5	1738	1605	1431
175.9	2591	2814	2813	128.5	2696	2823	2412
728.2	475	329	1571	678.9	377	328	494
1554.3	558	83	211	245.8	301	154	317
130.8	1127	970	1132	92.1	902	1419	1378
67.2	226	809	987	398.1	716	671	386
383.4	6490	6058	6767	357.3	6173	6373	6600
167.2	232	44	205	101.6	12	135	76
114.2	112	-5	-1	66.4	-100	124	-1
1326.6	20330	20472	19937	277.1	20212	18482	19378
104.5	14559	14626	15592	578.0	14248	14557	14845
2638.9	23224	22023	21226	1005.8	22839	18059	22136
115.0	10626	10138	9927	358.5	10472	10321	10459
32.1	311	1	293	174.0	162	51	564
203.1	513	335	274	124.2	332	155	168
141.2	493	46	117	240.2	0	147	175
355.5	272	64	1133	566.8	104	1	68
59.5	66	2	5	36.1	-14	-10	115
107.5	308	186	212	64.3	189	362	261
0.5	1	1	1	0.0	0	0	0
325.9	746	532	0	384.1	999	737	925
0.0	0	0	0	0.0	1	0	0
1502.3	4708	3631	2763	974.4	4270	4531	4171
0.5	1	1	27	15.0	0	1	1
114.6	0	0	0	0.0	37	178	0
0.0	0	0	-1	0.6	0	0	0
245.7	1097	727	1422	347.7	725	550	397
0.0	0	0	0	0.0	0	0	0
508.3	127	252	346	109.9	93	286	114
0.6	1	1	1	0.0	1	1	1
129.6	417	208	448	130.5	277	604	377
0.0	0	0	0	0.0	0	0	0

WKP2#4	WKP2#5	σ	WPBS1#1	WPBS1#2	WPBS1#3	WPBS1#4	WPBS1#5
1	1	0.0	1	1	1	1	1
1	1	0.0	1	1	1	1	0
111	1	49.2	1	1	1	1	1
27405	84171	23736.7	83762	133756	133707	123711	52114
2904	2370	233.9	46	262	189	1	254
71	1	31.3	1	1	1	1	313
3164	3712	266.5	6364	6878	6156	6775	7897
7668	3404	1975.9	1	1	1	1	399
71016	5846	28878.1	33074	27532	25448	41355	39385
5977	2016	1695.3	825	2112	2252	1752	1664
712	1	312.6	322	1	1	124	241
81	18	34.8	1	0	0	0	1
31891	1470	13599.8	1523	2311	3103	1786	1488
242606	7253	105044.8	7898	8289	6889	8679	38844
5147	1046	1759.2	1443	2049	1923	1398	1450
1996	1656	206.9	3558	3070	2220	2584	3111
3001	3259	318.5	3417	4636	3131	5936	4153
1982	323	719.5	1414	1091	995	685	885
505	104	157.5	824	552	287	437	417
892	1034	256.3	3279	2820	2815	3299	2628
730	251	218.5	1	1	1	1	1
6748	5849	354.9	349	0	0	76	496
151	52	57.8	99	143	346	237	708
36	129	95.2	-2	1	1	2	21
16658	21365	1783.2	36363	42839	40524	42593	34436
15286	14185	454.3	33495	32799	33291	33109	34127
17112	24404	3161.7	42113	47636	48321	47745	40901
10483	10337	78.6	23729	22582	22899	22539	23629
116	126	205.3	390	278	245	277	446
2	440	169.8	274	26	1	1	29
218	151	82.3	2	1	46	99	434
726	68	300.1	1699	951	811	943	2098
127	1	70.8	172	111	101	-33	236
1	146	134.4	242	748	716	753	883
0	0	0.0	-8	1	0	0	1
0	759	398.0	2272	1807	2537	1143	1742
0	0	0.4	24	-192	0	-193	133
2899	4341	652.6	8551	9149	9142	9664	8331
0	1	0.5	-1	1	1	5	2
0	73	73.8	36	70	203	113	-1
0	0	0.0	439	0	0	657	240
576	548	116.5	258	890	1090	1459	278
0	0	0.0	0	0	0	0	0
317	347	119.0	1014	594	793	43	706
1	1	0.0	1	1	1	1	1
406	441	119.1	898	797	1135	711	1072
19	0	8.5	0	0	0	0	0

σ	WPBS2#1	WPBS2#2	WPBS2#3	WPBS2#4	WPBS2#5	WPBS2#6	WPBS2#7
0.0	1	1	1	1	1	1	1
0.4	1	1	1	1	1	1	1
0.0	1	1	1	1	123	1	20
36222.4	23844	58724	54858	34158	20179	19158	4152
120.3	88	102	164	173	195	98	375
139.5	1	1	1	1	37	99	132
673.4	2808	2916	3198	3270	2924	3422	2611
178.0	1	17	253	277	1	59	1
7015.5	5568	7371	5516	5518	5140	72373	86941
557.2	659	1089	1007	146	170	967	866
143.4	76	4	75	1	1	61	1
0.5	1	1	1	1	1	1	198
678.2	451	1622	997	620	252	1207	299
13837.3	11063	8861	8423	8971	9508	13421	9091
308.2	347	1219	992	640	478	764	558
516.8	1590	927	1566	1498	1572	1344	1474
1112.1	1719	2044	2253	2415	2482	2118	2872
269.8	305	527	214	242	157	323	69
202.4	317	375	639	307	128	313	274
303.0	1229	2075	2197	1592	957	2083	1496
0.0	101	144	1	1	1	1	0
225.8	141	19	0	0	247	211	287
243.6	-14	-81	55	200	-182	39	-88
9.3	1	72	1	1	2	1	1
3779.5	14385	19887	20584	17798	14193	15202	10561
497.2	15894	15492	15584	15573	16084	16028	16812
3537.7	17525	22825	23419	21552	17129	17878	13294
569.2	11416	11384	11032	11756	11498	11245	11257
86.2	260	261	195	186	85	216	158
116.9	3	3	2	113	59	126	93
182.0	182	314	203	63	238	116	213
566.7	864	629	570	1212	897	492	256
100.0	2	163	25	66	179	7	57
246.8	2	406	236	1	392	279	399
3.8	1	0	0	27	7	1	1
536.4	654	1439	731	1010	531	498	98
143.2	48	0	-42	26	141	69	225
530.8	3130	5289	4369	4330	3809	3734	2889
2.2	-2	1	0	1	0	-1	-2
78.6	-4	0	0	0	82	3	1
285.0	95	1	0	0	115	86	0
522.6	163	343	844	426	204	-40	151
0.0	0	0	0	0	0	0	0
362.5	244	106	389	398	522	515	245
0.0	5	1	1	1	1	0	1
179.3	355	552	547	621	444	283	0
0.0	0	0	0	0	0	1	0

WPBS2#8	WPBS2#9	WPBS2#10	WPBS2#11	σ	WPBS3#1	WPBS3#2	WPBS3#3
1	1	1	1	0.0	1	1	1
1	1	1	0	0.3	1	1	1
1	1	6	1	36.5	1	1	1
34743	41788	51904	39475	16900.0	41086	25371	58039
22	44	172	1	104.1	101	27	1
999	1	71	31	293.4	1	1	1
4472	3468	3073	2518	534.6	3210	2814	17830
1607	662	923	158	511.6	1	1	1
59750	9256	10273	5655	31574.0	10962	7716	14084
1824	1316	648	278	511.0	282	689	1288
1	1	1	19	32.0	5	6	1
1	0	3	1	59.4	1	1	1
1734	1102	1726	867	549.5	390	613	1222
35443	16295	22768	19603	8374.2	4397	4221	5346
1456	1120	1266	633	366.5	675	540	1461
1395	1552	1175	1221	209.8	1553	1077	1260
1571	1900	1895	1836	380.1	2574	1124	1915
538	413	544	232	162.4	499	475	404
216	396	229	718	177.0	345	12	36
3602	2558	2104	1127	756.1	1426	873	1631
1	2	1	1	50.1	1	2	114
92	172	0	0	110.4	63	98	0
293	71	-71	-24	136.1	53	30	365
2	2	1	1	21.3	0	73	1
19027	18992	19922	19118	3188.7	18452	8469	20621
16182	15646	16066	16090	378.9	16223	16119	13269
21927	21921	22824	21850	3229.6	20083	10370	23205
10771	11533	10903	11240	288.7	11202	11694	11414
508	409	0	88	145.4	159	152	354
53	3	1	70	48.3	94	165	1
219	100	311	131	81.9	17	111	162
710	546	1210	1413	356.7	690	660	1
108	169	138	61	65.9	104	99	19
611	303	218	0	196.7	309	210	241
0	1	0	1	8.0	0	-2	1
1180	1125	726	955	375.8	815	521	1128
0	0	21	92	76.4	0	-2	21
3999	4516	4203	4421	666.8	4371	3118	4617
7	1	14	0	4.7	1	2	10
92	-1	56	98	42.7	0	104	14
180	0	5	316	102.0	0	101	294
0	793	982	224	350.2	199	405	377
0	0	0	0	0.0	0	0	0
578	143	524	74	185.1	389	176	172
1	1	1	1	1.3	1	1	0
508	346	238	391	176.3	402	263	649
0	0	0	0	0.3	0	0	0

WPBS3#4	WPBS3#5	σ	WPBS4#1	WPBS4#2	WPBS4#3	WPBS4#4	WPBS4#5
1	1	0.0	1	1	1	1	1
1	0	0.4	0	1	1	1	1
1	1	0.0	1	1	69	1	1
72898	28499	20131.2	35826	49125	59716	83274	62176
0	8	42.5	155	89	1	0	180
1	1	0.0	224	1	68	1	151
4015	3142	6515.1	3084	3257	3186	3907	3552
1	1	0.0	1	1	1	42	1
24171	8713	6639.6	9366	6312	8381	5378	15939
1007	612	385.4	245	498	1058	1371	1086
1	1	2.5	1	1	171	1	100
1	1	0.0	1	0	1	36	1
1294	268	474.1	790	853	993	1265	1480
4348	6009	781.2	7985	4978	7147	7041	7925
952	773	357.7	726	645	718	1184	1340
1654	2079	385.8	1321	1554	1272	1621	1456
2369	2857	677.1	2682	2158	1950	2754	2161
489	90	172.5	539	354	124	409	536
0	138	144.1	322	234	355	240	1
1348	1385	279.3	1016	1051	1333	2137	1622
1	1	50.4	1	1	1	164	1
63	85	37.7	164	178	0	54	75
176	-65	165.6	136	-25	106	64	162
2	1	32.2	1	11	1	52	6
22103	16297	5346.9	18280	19372	18997	22653	20463
15276	15987	1234.1	16364	15570	15713	15124	15839
23763	18963	5376.7	21104	21759	20223	25692	22265
11055	10985	288.4	10977	11237	10968	10418	11106
508	130	165.2	-1	338	169	457	271
0	60	69.2	98	67	1	41	36
109	166	60.1	141	69	177	167	71
405	234	290.9	888	850	222	21	391
137	88	43.4	65	288	91	137	110
353	609	158.2	2	175	234	466	223
1	1	1.3	1	0	0	0	0
1117	211	395.1	819	988	867	1332	1275
0	108	47.1	49	51	10	0	48
4443	3333	695.5	4324	4778	4437	4164	4476
1	0	4.1	2	1	0	1	-1
104	0	54.7	0	25	272	305	105
0	165	123.6	161	2	258	0	1
1168	177	406.0	217	451	819	669	810
0	0	0.0	0	0	0	0	0
511	697	224.8	235	315	178	737	360
1	1	0.4	1	0	1	1	1
612	330	171.4	443	613	526	602	760
0	0	0.0	0	0	0	0	0

WPBS4#6	σ	WPBS5#1	WPBS5#2	WPBS5#3	WPBS5#4	WPBS5#5	WPBS5#6
1	0.0	1	1	1	1	1	1
1	0.4	0	1	1	1	1	1
1	27.8	1	1	1	1	1	1
38477	17595.4	36717	57872	67779	71374	62451	54159
1	82.6	1	116	0	95	-15	0
1	94.3	1	1	1	1	1	1
5270	820.9	2221	2742	2388	2841	2786	2869
1	16.7	1	1	1	1	371	1
5473	3994.9	5212	34812	48562	14388	6281	11079
733	417.6	261	994	1074	1246	1044	962
142	78.2	224	60	1	1	113	55
4	14.2	1	-2	1	1	1	-17
788	285.2	712	1524	2079	1362	1049	965
5898	1181.2	9306	3422	3274	4714	7945	4149
387	357.5	923	1038	711	1118	1034	993
1744	180.5	2160	1573	1287	1502	1747	1789
1637	428.6	2303	1579	1813	2321	2566	2011
610	176.3	385	336	476	285	377	313
393	140.5	522	169	1	192	80	91
1497	415.9	1222	2065	2952	1389	2520	1645
1	66.5	1	1	1	1	1	1
138	69.8	304	165	154	312	0	0
333	119.4	206	94	132	281	283	79
2	19.9	-1	25	117	22	1	1
17728	1773.5	17099	19605	20717	21669	21555	19235
15455	416.2	15911	15387	15589	15005	15352	15725
19887	2097.3	19745	21906	24058	25092	23904	21131
10877	280.7	11624	10983	10642	11084	11013	11192
242	155.3	340	65	203	420	128	261
93	37.2	164	5	6	6	1	1
81	49.8	197	1	253	24	50	160
591	346.3	1098	288	142	184	561	249
61	84.6	12	81	176	144	53	118
409	167.4	1	347	327	339	195	311
68	27.7	49	0	0	0	0	0
880	222.0	888	1030	1298	1092	815	997
102	36.2	81	20	1	0	-16	-40
4182	227.5	3863	4583	4296	4315	4783	4538
0	1.0	2	1	1	1	1	1
-2	138.4	1	153	91	227	145	101
148	109.8	112	1	0	0	0	0
885	259.4	295	662	773	507	481	266
0	0.0	0	0	0	0	0	0
388	196.6	250	546	199	48	139	233
1	0.4	1	1	1	1	0	1
569	105.4	302	355	621	563	435	944
0	0.0	0	0	0	0	0	0

WRS1#1	WRS1#2	WRS1#3	WRS1#4	σ	WRS3#1	WRS3#2	WRS3#3	WRS3#4
1	1	1	1	0.0	1	1	1	1
1	0	1	0	0.6	1	1	1	1
1	1	1	1	0.0	1	1	1	1
19540	37920	62982	64636	21608.8	50011	42077	72593	75589
352	85	73	51	141.9	1932	1729	1543	1724
1	1	1	1	0.0	130	480	30	28
3092	2636	3152	3197	259.1	3002	3519	3770	3156
1	1	1	1	0.0	1	167	188	1
14326	8663	7868	7238	3254.2	369334	208612	13671	32756
385	307	675	739	212.5	1662	1647	1774	1769
7	310	1	1	153.5	5	1	1	1
1	0	1	1	0.5	1	1	1	1
526	842	1399	1334	415.5	2458	1631	1694	1631
4917	3939	3407	5504	944.8	6128	9622	6418	6127
762	962	978	1504	317.3	995	782	989	1325
1861	1434	890	940	457.9	697	1616	901	995
2525	1517	2021	2259	428.4	2643	3138	2685	2666
576	771	945	541	187.5	101	670	781	360
410	115	77	74	161.7	163	148	244	1
2070	1240	1266	1247	409.6	2392	3675	1749	1793
1	212	1	1	105.5	606	424	204	312
172	74	0	0	81.5	2942	3676	3063	3248
-173	313	-22	138	209.0	216	168	352	824
1	97	1	1	48.0	110	16	0	-3
14709	18631	21034	21363	3068.8	16901	19396	20609	20963
16016	16484	15377	15882	455.4	15441	15181	14898	15409
18514	21414	24191	25526	3111.9	18494	21281	23634	23954
11480	11078	10645	10693	389.0	10490	10668	10856	10771
141	81	153	514	197.0	256	44	256	304
1	1	61	0	30.2	2	1	0	0
117	175	166	22	70.1	128	118	-1	173
803	1053	471	525	269.3	422	590	711	440
1	257	18	63	117.8	140	182	16	48
605	271	260	207	181.7	28	0	168	311
1	2	-1	1	1.3	1	0	0	0
776	1178	1081	831	193.6	341	288	1290	921
29	52	-105	1	69.4	0	36	0	0
4202	4448	4413	4815	254.7	4158	3606	4722	4634
1	1	3	-10	5.9	1	-1	0	1
-3	0	97	21	46.7	219	88	88	131
3	59	307	215	139.9	0	1	0	0
111	58	1492	632	665.0	569	558	520	838
0	0	0	0	0.0	0	0	0	0
372	390	60	409	165.9	162	-51	460	461
1	1	1	1	0.0	1	1	1	1
183	604	550	295	201.6	321	173	460	521
0	0	0	0	0.0	0	0	0	0

WRS3#5	WRS3#6	WRS3#7	WRS3#8	WRS3#9	σ	WRS4#1	WRS4#2	WRS4#3
1	1	1	1	1	0.0	1	1	1
1	1	0	1	1	0.3	1	1	1
1	1	1	1	73	24.0	1	1	61
70475	34077	40486	37870	21184	19252.5	57275	88122	12327
1584	1856	1452	1770	1811	156.2	1545	1764	2475
45	1	1	1	376	180.2	1	1	219
3179	3785	3426	3777	3341	295.5	3425	3357	2663
1	64	1	199	1	89.3	14	198	0
65819	33669	7889	8095	216357	128451.8	6474	6077	1037008
1620	1691	1285	1781	1679	151.3	1092	1887	1445
1	1	1	50	0	16.3	1	204	254
0	1	1	-3	1	1.3	2	71	89
1725	605	982	837	1588	563.9	1220	1454	1864
5199	5668	9350	12322	6217	2408.1	12417	13915	9177
1184	929	639	828	947	205.8	1260	1278	293
1216	1826	1819	872	1353	423.8	1610	1555	1
2469	2564	2381	2206	2340	269.6	2633	3153	2135
577	130	616	616	237	251.7	457	533	3
109	242	236	79	80	85.5	107	1	284
2310	1419	1581	1580	1817	695.8	1473	1612	3762
1139	446	609	217	653	288.4	616	845	539
2868	4109	3846	3881	4344	538.4	3440	3047	3146
256	200	43	256	152	222.9	64	391	152
0	-1	-20	0	0	38.1	3	5	26
20736	12489	16560	13288	9678	4119.2	19116	21736	19442
15002	15360	15648	15729	15583	285.4	15473	14782	14627
23780	14100	19125	15784	10384	4781.5	22413	25317	19970
11037	11347	11522	11445	11358	377.0	11449	10639	9217
245	52	226	-3	161	112.5	180	112	208
0	2	1	1	1	0.8	1	25	3
60	37	121	53	136	56.5	19	155	240
670	294	1288	669	163	323.0	1258	331	-1
214	60	43	2	112	74.9	81	86	56
273	219	1	199	-1	126.7	0	325	0
1	1	2	0	-21	7.2	1	0	16
1169	331	950	675	0	446.1	986	650	-4
0	0	36	0	20	16.0	3	0	60
4544	2964	3844	3806	2506	758.5	4308	4124	9001
1	1	-1	0	0	0.8	1	1	0
136	0	0	0	117	75.3	0	83	602
0	0	301	1	98	101.5	0	0	96
326	420	168	430	497	184.1	271	1051	20
0	0	0	0	0	0.0	0	0	0
288	57	257	336	263	170.7	76	3	297
1	1	4	0	1	1.1	2	0	1
517	527	285	268	220	140.7	481	274	276
0	0	0	0	0	0.0	0	0	4

WRS4#4	WRS4#5	WRS4#6	σ	WRS1#1	WRS1#2	WRS1#3	WRS1#4	σ
1	1	1	0.0	1	1	1	1	0.0
1	1	1	0.0	1	1	1	1	0.0
1	1	1	24.5	1	1	1	1	0.0
84739	18912	83601	34323.8	81188	46124	86470	45486	22060.4
1562	2375	1541	433.8	2764	2641	2240	3025	326.9
1	11	388	163.9	1	1	1	1	0.0
3238	2221	3439	501.6	3222	3015	3391	2927	208.7
252	0	100	109.4	3144	2605	3195	2702	301.3
10017	996642	22369	519475.3	15238	6742	8172	421774	205895.2
1579	1364	1641	269.8	1951	1718	1898	1848	99.8
2	1	1	118.7	95	240	1	1	112.9
1	291	1	112.4	1	1	1	1	0.0
1267	3755	1352	976.2	1190	925	1563	2348	619.0
8578	14604	7188	3072.9	5663	5186	5313	11874	3249.6
1063	2867	1170	841.6	1357	1308	1294	1466	78.0
2129	1	1066	886.9	1937	1427	707	1054	526.8
3690	2544	2996	542.3	3430	2346	3117	2861	458.4
390	1227	454	398.0	282	210	445	0	184.5
345	244	150	126.5	1	104	250	102	102.5
1655	4301	1684	1266.1	1500	1132	1427	1815	280.5
316	679	351	201.1	240	436	401	403	88.1
2259	3380	3173	426.0	6391	7370	6025	6751	573.1
379	206	308	131.2	209	73	-208	145	183.8
7	-3	-14	13.2	-2	0	2	197	98.5
22194	18233	22176	1753.8	21222	16617	21493	18740	2296.8
15232	17316	15229	969.8	13851	14763	14116	15757	848.2
23588	19808	25193	2439.3	24186	18624	24590	19461	3109.5
10659	8680	10719	1049.3	10250	10350	10084	14217	1997.5
231	84	1	86.8	-2	334	200	77	146.9
1	0	1	9.8	189	463	449	13	217.3
141	192	28	88.8	237	143	51	161	76.4
163	659	196	460.3	74	1	211	1	99.0
1	248	3	90.6	234	12	31	22	106.4
314	189	232	145.9	348	382	220	52	149.6
0	0	0	6.5	0	0	1	0	0.5
389	0	746	406.6	585	417	753	542	138.8
0	-19	0	27.0	0	-30	0	1	15.2
4348	4712	4939	1866.8	4298	4116	5013	4467	387.2
1	1	1	0.4	1	1	1	0	0.5
162	0	0	234.9	31	0	35	102	42.9
0	0	0	39.2	0	0	0	0	0.0
659	1771	855	618.4	613	626	1002	724	180.8
0	0	0	0.0	0	0	0	0	0.0
36	262	596	223.8	251	47	143	437	167.2
1	1	1	0.6	0	1	0	0	0.5
376	404	354	79.1	566	367	154	242	178.7
0	0	0	1.6	0	0	0	0	0.0

WRS2#1	WRS2#2	WRS2#3	σ	WRSB1#1	WRSB1#2	WRSB1#3
1	1	1	0.0	1	1	1
1	1	1	0.0	1	1	1
1	1	1	0.0	1	1	1
64635	75213	67775	5432.6	72390	83023	65902
2723	2459	2441	157.9	2446	2414	2468
1	1	1	0.0	1	1	1
3036	3047	3198	90.5	3023	3042	3717
3136	2991	2869	133.7	2711	3169	3350
6700	7568	11433	2519.7	8343	7000	8042
1761	1824	1848	44.9	1713	1899	2183
51	1	15	25.8	7	90	1
1	1	0	0.6	1	1	1
1225	1651	1375	216.1	1191	1402	1354
8160	7067	7441	555.5	4782	8319	9160
1336	1391	1096	156.9	1177	1434	1281
1109	2010	1276	479.3	1532	1796	1714
2642	2953	2468	245.7	3015	3302	2854
407	453	540	67.5	327	525	561
606	334	98	254.2	228	310	66
1347	1428	2790	810.7	1183	1437	1417
943	803	440	259.6	332	611	247
7118	6947	6654	234.7	6598	5995	6549
295	120	339	115.8	102	-43	-140
-14	0	308	182.0	2	149	0
20849	21502	20137	682.7	21173	22018	20987
14855	14625	14618	134.9	14516	14670	14295
23203	24465	22844	851.4	23879	23487	23523
10523	10348	10703	177.5	10644	10329	10528
549	498	211	182.2	480	185	246
478	391	451	44.5	409	336	343
299	139	296	91.5	300	147	210
283	232	192	45.6	197	1	94
118	220	191	52.6	178	1	116
192	191	226	19.9	240	283	239
0	0	0	0.0	0	0	0
912	960	564	216.1	573	773	1042
0	0	0	0.0	0	0	0
4916	4499	4107	404.6	4699	4574	4078
-3	1	1	2.3	1	1	1
0	170	104	85.7	184	181	0
2	0	0	1.2	0	0	0
285	843	425	290.3	839	676	605
0	0	0	0.0	0	0	0
187	201	93	58.7	69	394	259
1	1	1	0.0	1	1	1
504	456	346	81.0	431	493	55
0	0	0	0.0	0	0	0

σ	WRSB2#1	WRSB2#2	σ	WR2S1#1	WR2S1#2	WR2S1#3
0.0	1	1	0.0	1	1	1
0.0	1	1	0.0	1	1	1
0.0	1	1	0.0	1	1	42
8643.7	70659	56795	9803.3	44393	64128	35610
27.2	2620	2725	74.2	186	228	184
0.0	1	1	0.0	1	1	1
395.3	2703	3407	497.8	2974	2878	2680
329.4	2628	3144	364.9	1	1	1
704.7	205214	27314	125794.3	13676	29793	20284
236.7	2395	1548	598.9	445	1010	622
49.7	1	1	0.0	5	1	1
0.0	0	0	0.0	1	1	1
110.6	2307	833	1042.3	1071	1415	1287
2323.2	6666	7036	261.6	3724	4133	4465
129.3	939	1013	52.3	701	1020	773
135.1	1039	1295	181.0	1166	1569	1350
226.9	2618	2271	245.4	1185	2025	1645
126.0	475	444	21.9	489	563	779
124.2	293	302	6.4	264	130	321
141.2	2786	2589	139.3	1722	1477	1364
190.4	786	485	212.8	1	1	1
334.9	6282	7250	684.5	0	0	0
121.8	-7	-115	76.4	-19	207	217
85.5	-1	-1	0.0	1	1	1
549.5	20963	19515	1023.9	18864	20595	17075
188.5	14712	14579	94.0	16266	15963	16689
216.7	23433	21391	1443.9	22035	24257	20516
159.3	9694	10662	684.5	11550	10808	11172
155.7	665	368	210.0	226	120	334
40.3	15	223	147.1	1	14	30
76.9	337	252	60.1	0	181	154
98.0	0	149	105.4	947	376	523
89.8	42	89	33.2	47	340	88
25.1	285	35	176.8	52	279	572
0.0	1	0	0.7	0	0	1
235.3	760	971	149.2	830	965	1432
0.0	0	-62	43.8	46	-68	245
328.5	4719	4065	462.4	4487	4268	4725
0.0	7	1	4.2	1	1	0
105.4	77	0	54.4	-1	135	-1
0.0	-1	0	0.7	-5	0	233
120.0	689	522	118.1	331	840	96
0.0	0	0	0.0	0	0	0
163.3	346	569	157.7	197	338	67
0.0	1	0	0.7	1	1	1
237.0	482	405	54.4	506	242	554
0.0	0	0	0.0	0	0	0

WR2S3#1	WR2S3#2	WR2S3#3	WR2S3#4	WR2S3#5	WR2S3#6	WR2S3#7	σ
1	1	1	1	12	1	10	4.9
1	1	1	1	1	1	1	0.0
1	1	1	1	1	58	137	52.3
58240	55039	44064	20133	13237	20888	2077	21838.0
148	19	139	186	408	45	1237	427.1
1	1	1	1	3675	1	5498	2298.5
2908	2542	2914	2814	3363	2854	4625	695.9
1	1	1	1	297	1	1	111.9
18037	7332	17278	14584	429913	9508	922868	353465.9
563	1347	430	129	1288	941	967	452.4
51	141	24	1	262	96	-2	94.9
1	0	0	1	1	1	1	0.5
942	1166	654	1	1851	544	1735	660.7
5099	4169	5285	5345	24998	5528	23506	9372.5
863	451	616	589	887	602	1008	202.3
1930	1112	1671	1698	981	2257	698	560.7
2702	1478	2257	3048	1750	2389	1537	600.7
413	396	295	148	667	229	842	246.8
121	370	279	386	51	340	141	135.0
2114	1569	1713	924	5932	1232	12630	4272.4
1	1	-17	1	1	1	1	6.8
0	0	0	230	151	180	121	96.9
-151	150	167	241	-55	54	-190	166.7
1	1	1	34	2	5	1	12.2
20153	20026	18324	13425	19350	14581	18556	2684.5
16208	16356	16066	16324	16949	16653	16125	314.9
23489	23816	20519	16923	22547	18032	20413	2655.1
11041	11361	11068	11409	10346	11132	10396	429.2
144	213	393	158	329	214	202	91.3
0	0	126	26	-1	40	-1	46.5
1	134	127	131	138	59	100	51.2
551	302	1043	780	82	80	0	398.7
114	84	37	90	94	152	49	38.6
349	274	122	505	151	1059	0	352.7
0	0	1	1	12	1	1	4.3
607	958	685	493	197	626	0	319.5
112	-12	-131	69	88	116	-21	90.6
4404	4443	4700	3492	4465	3708	4470	452.0
1	1	1	1	24	0	0	8.8
78	0	275	11	0	0	0	102.4
0	114	28	-10	0	92	0	50.3
188	248	286	12	549	78	687	244.6
0	0	0	0	0	0	0	0.0
477	419	682	262	278	559	140	188.2
1	1	1	1	1	1	0	0.4
439	601	287	615	366	628	345	143.8
0	0	0	0	33	0	64	25.3

	NL S1 1 1	NL S1 1 2	NL S1 1 3	NL S1 2 1	NL S1 2 2	NL S1 2 3	σ
Na	1	1	1	1	1	1	0.0
Mg	1	1	1	1	1	1	0.0
Al	1	1	1	1	1	1	0.0
Si	34825	35133	35076	54355	54552	54296	10621.0
P	117	314	172	92	0	1	118.0
S	1	118	91	1	1	1	54.1
Cl	3956	3867	4360	4256	4277	4290	203.4
K	1	1	1	1	1	1	0.0
Ca	15695	15682	16149	8056	7996	7849	4317.1
Sc	1	-1	1	85	1	1	34.5
Ti	108	1	352	796	382	205	279.4
V	105	1	182	57	1	136	73.7
Cr	1	1	1	0	1	1	0.4
Mn	978	834	1093	1377	1564	1088	268.1
Fe	7331	7167	7205	8090	7848	8026	423.8
Co	422	513	566	1037	673	998	258.2
Ni	1	667	589	366	358	281	236.7
Cu	2024	2122	2370	1488	1728	1399	380.5
Zn	503	502	294	303	246	310	112.9
Rb	365	192	453	1	216	166	158.8
Sr	1276	1714	1171	1903	1533	1264	289.9
Y	134	238	80	167	109	191	57.4
Zr	76	174	136	129	76	127	37.9
Nb	-61	283	-56	291	80	495	221.6
Mo	-3	-4	0	4	0	70	29.0
Rh	18336	17651	17184	19820	19611	19603	1134.1
Rh	15884	16328	15606	15129	15433	15442	418.8
Pd	20480	20839	21500	23493	23065	22548	1230.5
Pd	11193	9999	11541	11240	10987	10862	529.8
In	117	160	49	193	50	77	59.7
In	0	0	1	1	1	1	0.5
Cs	202	268	434	119	139	164	116.9
Cs	25	1	103	0	72	108	49.3
Ba	129	186	222	297	127	49	86.3
Ba	1072	1084	1017	738	903	1058	135.1
La	121	198	11	42	59	110	67.1
Ce	1	2	1	230	366	171	153.0
Ce	1	0	0	1	0	0	0.5
Pr	962	1012	1051	1284	1184	938	135.3
Pr	18	-14	-18	1	-44	0	21.2
Yb	4623	4489	4564	5008	5173	5161	312.6
Yb	1	1	1	1	1	1	0.0
Lu	16	149	115	83	312	129	98.8
Lu	103	0	0	0	0	0	42.0
Th	308	604	826	30	719	650	297.4
Th	1	2	0	0	1	1	0.8
U	676	406	407	229	589	557	161.2
U	0	0	0	0	0	0	0.0

NL S2 1 1	NL S2 1 2	NL S2 1 3	NL S2 2 1	NL S2 2 2	NL S2 2 3	σ	NL S3 1 1
1	1	1	1	1	1	0.0	1
1	1	1	1	1	1	0.0	1
1	1	1	1	1	47	18.8	1
40808	41937	41588	41888	42414	42531	623.6	55772
35	162	54	9	283	87	102.0	309
1	1	4	58	93	1	39.7	699
4705	4949	4627	4529	4313	3876	370.1	3446
136	54	70	1392	1222	1294	668.8	572
7865	7927	7780	30241	29853	29837	12116.4	9467
-3	1	-1	1	1	-1	1.6	1
293	400	252	882	487	155	257.9	806
1	1	44	9	1	1	17.2	16
1	2	1	104	1	80	47.5	1
2376	2298	2469	57056	56904	57376	29977.8	2634
21259	21641	21926	43568	43306	43328	11938.2	15241
1012	1294	1122	1719	1798	1831	363.7	1246
18	610	221	2583	2478	2005	1167.3	1
1734	2248	2110	3682	2870	3342	759.4	1864
500	330	663	1031	762	1241	336.6	757
302	378	82	154	128	226	112.4	105
1697	2251	1872	1854	1897	1932	182.5	1730
76	181	1	1210	151	131	454.4	368
50	0	244	135	188	90	89.9	0
15	170	-60	87	-213	-188	151.7	364
2	1	2	1	0	5	1.7	1
19072	19344	18899	19766	20495	20044	610.1	20293
15635	14882	15575	15810	15769	15909	370.3	15981
23009	22140	22882	22501	22730	22886	321.5	24182
11219	11521	11196	10930	10927	10905	243.3	10438
11	120	23	304	127	170	107.2	44
1	1	1	55	56	1	28.1	1
-16	550	231	99	0	501	247.5	275
0	97	1	1	10	1	38.7	155
89	353	184	132	-30	282	137.3	98
1287	1209	1022	2464	3199	2727	924.2	660
3	35	114	37	151	150	64.6	156
101	67	211	0	1	1	83.7	387
-16	-1	-3	-25	0	0	10.5	0
726	897	982	245	92	84	411.2	1321
22	0	13	28	0	0	12.5	95
4847	4768	4522	4584	4436	4833	174.0	5039
8	-1	2	37	2	15	14.2	0
10	372	63	258	233	102	137.2	209
182	1	178	366	2	5	147.6	-1
293	315	707	333	685	588	194.3	362
1	1	1	1	1	1	0.0	1
395	649	361	251	354	283	141.2	459
0	0	0	0	6	0	2.4	0

NL S3 1 2	NL S3 1 3	σ	NL S4 1 1	NL S4 1 2	NL S4 1 3	σ
1	1	0.0	1	1	1	0.0
1	1	0.0	1	1	1	0.0
1	1	0.0	1	1	1	0.0
54758	55240	507.2	59142	59397	59654	256.0
1	132	154.6	36	166	200	86.6
796	713	52.4	1	116	54	57.6
3530	3815	193.4	4436	4494	3969	287.8
691	531	83.1	1	123	68	61.1
9413	9281	95.7	15398	15594	15205	194.5
1	1	0.0	1	0	1	0.6
1073	1042	146.0	619	498	340	139.9
6	1	7.6	17	57	288	146.3
0	1	0.6	-7	1	-8	4.9
2383	2462	128.3	22023	21725	22040	177.2
15079	14899	171.1	15315	14943	15381	236.1
1435	1383	97.6	1265	944	1222	174.2
469	576	305.8	422	84	175	174.9
1711	1965	127.9	1720	1596	2225	333.2
691	482	143.6	485	0	606	320.7
161	265	81.2	300	17	102	145.2
1406	1435	179.3	2476	1380	1927	548.0
294	1	194.1	652	209	353	226.0
129	56	64.7	0	89	47	44.5
415	178	124.7	-34	86	-111	99.3
3	1	1.2	1	3	1	1.2
20609	20499	160.4	20958	20511	20272	348.2
15688	15504	240.6	14998	14876	15443	298.4
24736	24230	306.9	24211	24192	24199	9.6
10799	11005	287.0	10852	10960	10809	77.8
74	89	22.9	80	60	50	15.3
1	1	0.0	1	1	1	0.0
306	77	124.2	76	263	367	147.5
1	21	83.7	163	0	2	93.5
163	180	43.3	132	100	60	36.1
622	921	162.8	1320	1535	1636	161.4
127	121	18.7	29	167	2	88.5
243	368	78.2	143	132	70	39.4
1	0	0.6	0	0	0	0.0
1339	1092	137.7	1025	984	885	72.0
-14	0	59.3	0	-15	0	8.7
4950	4897	71.8	5313	5049	5313	152.4
-1	2	1.5	1	1	-1	1.2
158	147	33.1	113	127	349	132.4
348	2	200.6	0	0	1	0.6
235	144	109.5	509	437	447	39.0
1	1	0.0	1	1	1	0.0
692	475	130.1	368	626	437	133.6
0	0	0.0	0	9	0	5.2

NL S5 1 1	NL S5 1 2	NL S5 1 3	σ	NL S6 1 1	NL S6 1 2	NL S6 1 3	NL S6 2 1
1	1	1		1	1	1	1
1	1	1		1	1	1	1
1	1	1		178	154	97	1
56275	56456	56275		274	214	192	39216
131	148	150		437	441	500	134
332	421	323		1	1	1	1
4521	4013	4127		3951	3890	3945	3974
222	95	171		0	1	0	1
10031	10124	9930		5659	5195	5264	8997
1	1	1		69	1	1	1
402	166	654		994	828	711	847
1	97	1		0	1	-2	1
0	1	1		718	656	430	-21
35737	35696	35578		110	149	1	832
15859	15206	15456		3865	3796	4240	7209
1288	950	964		500	123	384	826
1483	1470	1802		1	1	341	668
2537	2502	1806		2696	2861	3342	2774
853	1161	944		1	92	95	376
23	222	97		166	265	214	302
1965	2126	1901		110	306	459	1179
423	217	64		99	140	207	371
134	99	95		173	157	117	167
71	-8	82		114	25	-9	115
18	15	8		1	1	1	38
21221	21883	21178		6344	6702	6336	17489
15191	15539	15530		16045	16369	15999	15676
23678	24474	24892		8648	8833	8696	20759
11007	10711	11064		11847	11903	11780	11030
31	34	188		34	169	105	206
1	1	1		0	0	0	1
132	229	167		177	136	85	410
55	0	34		104	77	121	0
58	294	140		183	67	20	329
1851	1979	1681		1	1	1	281
53	237	81		88	61	40	138
108	177	272		271	99	170	121
0	0	0		1	1	1	0
690	890	795		4	70	3	396
0	0	6		101	73	60	-70
5957	5356	5130		2658	2263	2422	4143
1	0	0		0	0	0	1
431	99	147		410	289	639	275
-3	0	0		0	0	0	164
30	505	506		343	563	569	763
1	1	0		1	0	1	1
671	720	268		99	362	103	170
0	0	0		0	0	0	0

NL S6 2 2	NL S6 2 3	σ	NL S7 1 1	NL S7 1 2	NL S7 1 3	NL S7 2 1	NL S7 2 2
1	1	0.0	1	1	1	1	1
1	1	0.0	1	0	1	1	1
1	1	82.1	1	1	1	1	1
39528	39265	21421.5	29060	29125	29164	29072	29923
98	291	170.5	69	1	2	2	64
1	1	0.0	1	1	1	1	1
3921	3818	56.1	3215	4016	3975	3978	3690
1	1	0.5	28	23	1	1	1
9435	9102	2095.3	5268	5419	5192	4928	5270
66	1	34.4	2	0	2	0	6
365	294	281.9	127	459	1	1	381
1	1	1.2	228	1	146	1	59
0	4	346.1	1	1	1	1	1
746	865	403.4	780	828	596	449	380
6606	7187	1682.4	11533	11865	11320	11722	11350
367	1062	341.7	789	473	478	738	618
121	683	314.5	1458	1220	1102	1208	1326
2952	2915	225.4	2200	2140	1826	2488	3011
396	289	166.9	346	303	448	150	425
206	251	48.3	349	1	489	165	288
1709	1282	637.0	429	295	801	592	800
229	489	147.5	20	102	138	1	1
177	148	22.1	69	169	18	199	131
-29	-30	67.7	84	180	69	25	140
2	3	14.9	-1	42	1	2	1
18126	18281	6308.3	15550	15661	15377	16082	15946
15460	15813	316.8	14944	14736	14774	14735	15254
21357	21371	6815.7	19593	18328	19724	18485	18555
11519	11325	342.3	11502	11568	11539	11200	11453
-18	54	84.9	41	40	54	82	87
1	1	0.5	1	1	1	1	1
-44	388	176.9	151	325	284	135	293
65	-1	51.5	1	56	1	0	1
224	231	114.0	40	66	251	90	279
852	895	428.6	1209	969	1076	1050	653
204	43	64.3	15	153	-9	177	22
66	155	71.4	1	707	603	539	683
0	-1	0.8	3	1	0	0	0
446	521	239.4	830	720	706	632	574
-30	-12	67.2	34	98	-31	33	-61
4384	4239	1001.0	4253	3987	4067	3915	4329
1	1	0.5	1	0	2	0	1
10	339	204.5	-37	0	-38	39	154
0	3	66.7	33	221	105	209	2
223	635	198.0	675	948	685	628	294
0	1	0.5	16	1	1	1	1
340	440	146.6	781	761	716	763	709
0	0	0.0	0	0	0	0	0

NL S7 2 3	σ	NL S8 1 1	NL S8 1 2	NL S8 1 3	NL S8 2 1	NL S8 2 2	NL S8 2 3
1	0.0	1	1	1	1	1	1
1	0.4	1	1	0	1	1	1
1	0.0	1	1	1	1	1	1
29544	347.9	20036	20879	20835	49942	49384	49656
1	33.6	214	175	154	211	239	269
1	0.0	156	24	8	321	206	135
3760	303.4	4064	4162	4283	4679	4570	4402
1	12.8	1	49	1	1	204	11
5115	166.6	45953	46751	46258	53657	53627	53165
162	65.4	1	1	1	1	1	1
333	200.2	69	511	499	1222	1385	799
1	95.0	1	1	1	68	5	206
1	0.0	1	1	1	167	72	45
420	192.0	683	705	724	959	755	1053
11231	249.3	14404	14867	14532	19252	19280	18882
819	153.3	515	907	591	1381	1391	1394
728	249.5	543	614	469	1948	2051	1229
3052	495.3	2089	2603	2258	3282	2702	3068
257	110.7	360	164	392	213	221	445
666	234.8	547	1	102	333	341	1
218	250.0	2573	2787	3041	3197	3150	2763
465	177.8	1	1	355	229	102	1
148	67.1	147	168	226	258	109	107
5	66.8	-42	176	239	307	113	248
1	16.8	1	2	4	38	2	3
15402	289.2	14932	15448	15808	22633	22495	22692
14675	216.6	15316	15229	15182	15442	15325	15543
18321	646.1	17830	17971	18564	24772	25255	24178
11576	141.3	11534	11281	11674	10184	10234	9990
139	37.7	90	65	49	139	54	20
1	0.0	115	191	111	558	285	499
146	87.0	125	0	-3	277	342	368
60	29.6	1	2	1	0	0	3
47	107.3	141	76	216	262	382	68
754	209.7	1048	699	612	105	45	421
77	77.4	2	79	154	69	87	91
539	260.0	1	358	296	368	385	444
1	1.2	1	1	1	0	0	0
447	132.5	458	592	474	86	151	1
49	57.4	31	-34	68	-13	0	0
4612	258.2	3746	3878	3745	4351	3797	4680
2	0.9	3	1	1	1	1	1
67	73.3	165	59	115	214	190	157
197	95.3	146	-2	-1	0	4	0
617	209.0	566	733	746	870	534	471
0	6.2	1	1	1	1	0	1
410	140.1	195	535	408	422	421	592
0	0.0	0	2	17	70	82	51

σ	NL S9 1 1	NL S9 1 2	NL S9 1 3	σ	NL S10 1 1	NL S10 1 2
0.0	1	1	1	0.0	1	1
0.4	1	1	1	0.0	1	1
0.0	1	1	1	0.0	1	1
15930.1	34281	33751	34641	447.7	35762	35710
41.7	39	1	150	77.4	188	30
116.8	2	118	85	59.8	168	307
236.8	3199	4385	4680	783.9	4359	4183
80.3	618	709	700	50.1	122	101
3935.1	7705	7551	7668	80.4	8441	8755
0.0	0	1	1	0.6	1	1
492.4	623	618	476	83.5	292	427
82.3	45	1	145	73.8	1	76
65.4	1	1	1	0.0	1	1
154.1	1867	1616	1962	178.8	999	1060
2493.6	32792	32354	32385	244.4	18447	18114
414.5	819	1371	1320	305.0	1179	938
717.5	2127	382	1016	883.3	1171	1
457.3	2765	2487	2389	195.0	2665	2049
114.4	613	480	723	121.7	438	386
221.0	189	221	160	30.5	229	178
247.8	1415	1468	930	296.5	1276	1439
148.2	1	35	261	141.3	337	141
61.8	0	211	301	154.5	134	108
124.7	304	32	133	137.5	-246	290
14.6	1	85	1	48.5	3	22
3959.8	17115	17384	17375	152.8	18177	18622
133.9	16446	14635	14504	1085.4	15117	15351
3646.6	20762	21003	20619	194.1	20966	21577
760.0	3734	11872	11795	4676.4	11454	11356
40.9	83	54	1	41.6	108	35
193.9	1	1	1	0.0	1	1
167.2	131	1	427	218.3	76	271
1.2	20	68	2	34.1	1	7
120.8	73	123	200	64.0	171	232
379.7	1119	1203	1263	72.3	1156	982
48.7	19	288	188	136.0	115	162
158.1	1	158	1	90.6	1	160
0.5	-1	0	0	0.6	0	0
244.0	707	787	743	40.1	712	642
35.9	25	-35	0	30.1	-73	-63
391.1	3045	4728	4159	856.1	4038	4436
0.8	5	3	1	2.0	2	5
55.6	8	74	-4	42.0	215	-25
59.6	2	319	0	183.6	174	166
153.0	1011	868	671	170.7	112	649
0.4	1	1	1	0.0	1	1
136.5	608	556	450	80.5	353	725
35.5	0	0	0	0.0	0	0

NL S10 1 3	NL S10 2 1	NL S10 2 2	NL S10 2 3	σ	NL S11 1 1	NL S11 1 2	NL S11 1 3
1	1	1	1	0.0	1	1	1
1	1	1	0	0.4	1	1	1
1	1	83	1	33.5	1	1	1
35859	22338	22244	23043	7254.7	62421	62984	62895
12	99	154	215	83.6	48	0	0
241	187	478	411	124.7	1	1	1
4273	4566	4596	4728	211.2	2685	3547	3911
271	1	1	1	107.1	1	1	1
8503	8101	8270	8269	228.5	6813	6536	7057
1	0	1	1	0.4	1	2	1
643	1	1	292	248.7	852	457	266
122	1	1	1	52.7	1	1	11
1	1	1	1	0.0	0	1	0
836	2198	2380	2363	745.0	1443	1046	988
18024	13212	13763	13320	2619.3	10982	10901	11290
1049	624	783	664	220.3	540	1068	1017
78	1105	942	677	512.2	1602	1215	24
2264	2999	2554	2950	374.7	1730	2059	2233
266	403	317	436	69.0	408	437	379
2	275	366	293	125.7	249	324	167
1182	1154	1133	1048	136.2	1513	1852	1309
1	117	147	60	113.9	89	205	1
186	84	216	276	72.3	0	75	129
228	-64	10	54	195.6	-130	144	17
4	1	3	2	8.0	1	1	0
18297	15520	16730	15966	1322.4	18921	19688	20104
15367	15709	15382	15228	199.4	15098	14525	14529
21304	18711	19240	18835	1315.3	23500	22697	23486
10984	11113	11430	11309	186.9	11152	11523	11329
56	79	35	91	30.2	53	22	98
1	1	1	1	0.0	1	1	1
253	381	184	397	121.0	374	88	198
14	1	2	67	25.8	1	0	97
169	267	165	1	91.4	-2	143	56
624	1028	952	809	185.5	719	831	1024
1	22	194	-26	91.4	250	1	178
191	1	435	385	184.5	455	204	369
1	1	1	1	0.5	0	0	1
862	700	472	368	178.4	1004	959	805
-77	135	166	157	123.0	-31	1	0
4695	4049	4300	4353	248.2	3742	4250	5616
3	0	0	1	1.9	1	0	1
61	32	0	77	84.8	162	-9	28
220	195	224	0	83.3	0	0	0
321	378	554	684	219.7	499	828	541
1	1	1	1	0.0	1	1	1
544	220	683	340	204.3	418	482	543
0	0	0	0	0.0	0	0	0

NL S11 2 1	NL S11 2 2	NL S11 2 3	σ	NL S12 1 1	NL S12 1 2	NL S12 1 3	σ
3	1	1	0.8	1	1	1	0.0
0	1	0	0.5	1	1	1	0.0
1	45	1	18.0	1	1	1	0.0
26181	26831	27015	19770.7	50589	50768	50776	105.7
38	1	8	21.5	146	176	105	35.6
1	81	1	32.7	82	117	36	40.6
4027	3903	3863	502.2	4141	4284	4248	74.4
1	1	1	0.0	286	272	74	118.6
17602	17299	17407	5827.6	11532	11514	11677	89.4
1	0	1	0.6	1	0	1	0.6
284	1	52	309.7	591	663	1	363.2
1	1	1	4.1	146	281	63	110.0
4	1	1	1.5	2	1	1	0.6
74	167	52	603.3	11307	11334	11303	16.9
10022	10128	10108	549.0	13163	13086	13167	45.7
602	484	717	248.8	1033	1137	743	204.2
769	971	1216	539.5	917	304	461	318.4
2808	2558	2564	394.4	1621	1851	1485	185.0
258	266	392	75.9	622	519	776	129.3
205	174	438	104.9	136	250	269	71.9
887	1136	1238	331.2	1779	1887	1551	171.5
195	121	1	89.7	306	1	1	176.1
290	193	58	104.4	73	52	122	35.9
244	143	-21	135.7	337	100	222	118.5
9	2	-2	3.8	2	2	0	1.2
16029	15970	16082	1978.2	19238	19878	19285	356.7
14664	15220	15106	318.4	15643	15149	15555	263.5
18792	18746	19045	2411.5	21256	21842	22206	479.3
11379	11139	11523	169.9	11076	11430	11091	200.2
83	19	54	31.7	75	110	127	26.5
0	0	0	0.5	1	1	1	0.0
134	194	135	100.5	281	112	173	85.6
1	1	0	39.4	1	0	120	69.0
1	308	200	122.8	114	87	184	50.1
779	791	848	104.3	966	1266	1773	407.9
-12	84	233	114.8	241	145	66	87.6
534	581	807	204.1	100	217	0	108.6
1	1	1	0.5	0	0	0	0.0
553	571	607	201.3	1257	1107	1085	93.6
181	93	127	84.3	0	24	-36	30.2
4784	4504	4018	662.5	5052	5266	4431	433.7
35	5	0	13.8	1	1	1	0.0
-3	37	17	62.9	108	209	6	101.5
245	163	191	112.5	1	1	0	0.6
839	814	691	151.3	214	435	362	112.6
1	1	1	0.0	1	1	0	0.6
838	424	245	196.7	406	313	716	211.0
0	0	0	0.0	0	1	0	0.6

NL S13 1 1	NL S13 1 2	NL S13 1 3	σ	NL S14 1 1	NL S14 1 2	NL S14 1 3	σ
1	1	1	0.0	1	1	1	0.0
1	1	1	0.0	1	1	1	0.0
1	1	1	0.0	1	1	1	0.0
46522	45950	47175	612.9	49728	49910	50325	306.0
1	8	273	155.1	112	231	153	60.5
1	155	1	88.9	84	15	1	44.4
4562	4738	4714	95.4	4276	4415	4152	131.6
1	1	1	0.0	1	1	1	0.0
54049	54299	54743	351.5	9285	9263	8998	159.7
1	1	1	0.0	0	1	3	1.5
633	694	264	232.7	352	223	372	80.9
1	1	27	15.0	1	1	1	0.0
0	0	1	0.6	0	2	2	1.2
1977	1986	2183	116.4	7469	7394	7111	188.8
6291	6330	5847	268.3	6337	6673	6631	183.1
820	960	726	117.8	1031	709	769	171.2
190	368	543	176.5	421	936	1069	342.3
1640	1409	1896	243.6	2260	2598	2311	182.2
260	441	278	99.7	273	364	390	61.4
1	117	252	125.6	1	36	277	150.3
7224	7097	6478	399.1	1505	1628	1597	64.0
521	291	352	119.2	368	206	558	176.2
0	364	291	192.6	18	131	14	66.4
-19	156	-50	111.1	283	-7	334	183.9
1	0	2	1.0	1	2	1	0.6
19752	19214	19247	301.5	20001	20264	19611	328.6
15543	15439	15670	115.7	15494	15533	15571	38.5
20395	21442	21018	526.6	23013	23019	23437	243.1
11202	11158	10858	187.2	11344	11048	11248	151.0
21	112	70	45.5	134	88	33	50.6
115	0	0	66.4	1	1	1	0.0
428	73	352	186.9	261	200	150	55.6
2	1	1	0.6	1	1	1	0.0
120	172	108	34.0	8	31	209	110.0
755	853	1068	160.1	866	1202	1157	182.4
140	-4	4	80.9	60	109	118	31.2
320	481	331	89.9	181	46	135	68.6
-3	2	0	2.5	0	0	0	0.0
1113	1056	795	169.6	1119	683	706	245.4
30	75	1	37.3	-76	-61	-41	17.6
5222	5317	4820	263.8	5166	5012	4683	246.7
2	4	1	1.5	1	1	0	0.6
337	-6	160	171.5	202	364	229	86.8
206	448	2	223.3	140	0	0	80.8
804	212	373	306.1	381	595	695	160.4
1	1	1	0.0	1	0	1	0.6
805	341	343	267.3	243	765	288	289.3
0	6	0	3.5	0	0	0	0.0

NL S15 1 1	NL S15 1 2	NL S15 1 3	σ	NL S16 1 1	NL S16 1 2	NL S16 1 3
1	1	1	0.0	1	1	1
0	1	1	0.6	0	1	0
1	1	1	0.0	1	1	1
49862	50846	50862	572.8	37227	37745	36809
1	191	239	125.9	114	91	52
29	140	1	73.5	2	17	1
4298	4255	4748	273.1	4117	3803	4020
1	1	1	0.0	1	1	1
8788	8491	8622	148.8	7604	7429	7407
1	1	1	0.0	1	-14	1
14	1	1	7.5	1	76	170
232	101	49	94.3	19	1	180
1	1	-1	1.2	1	1	0
18184	18144	18303	82.7	322	660	699
10052	9458	9533	323.5	17218	16987	17186
1071	832	810	144.8	896	1176	993
537	878	1021	248.7	1209	1104	1215
1877	1924	2001	62.6	3073	2519	2280
606	472	559	68.0	397	383	531
58	254	243	110.1	1	358	339
2185	1783	1718	253.0	1289	1914	1087
428	1	292	218.1	374	375	411
116	132	137	11.0	273	43	129
160	-98	-247	205.9	469	-37	-5
1	-2	2	2.1	2	1	1
18965	18788	17974	528.5	18919	18157	18503
15451	15726	15568	138.0	15721	16293	15935
19052	18775	18654	204.0	21562	21068	21380
11264	11326	11153	87.6	11404	10958	11647
45	22	54	16.5	51	42	53
1	1	1	0.0	1	1	1
207	-4	348	177.2	294	216	110
93	1	1	53.1	86	1	1
172	34	56	74.1	129	242	203
1729	1570	1886	158.0	1133	1214	945
140	-12	20	80.1	44	97	150
8	166	12	90.1	245	1	1
0	1	0	0.6	1	0	1
713	825	745	57.7	842	902	560
-74	-47	42	60.7	68	19	65
5557	5546	5048	290.7	4594	4735	4506
13	1	9	6.1	1	1	-1
8	62	74	35.2	99	97	0
386	0	1	222.6	102	92	319
201	564	1028	414.5	780	342	742
1	1	1	0.0	1	1	-2
678	519	711	102.7	999	540	618
0	0	0	0.0	0	0	0

NL S16 2 1	NL S16 2 2	NL S16 2 3	σ	NL S17 1 DF1	NL S17 1 DF2	NL S17 1 DF3
1	1	1	0.0	1	1	1
1	1	1	0.5	0	1	1
21	1	1	8.2	1	1	1
49732	49989	49027	6763.1	35804	35959	36190
121	196	1	66.2	1	222	242
203	239	117	106.2	1	57	39
4308	4032	3933	170.7	5015	4839	4700
782	577	625	368.0	1	1	1
7802	7876	7684	191.7	10138	10396	10478
0	1	28	13.7	3	1	24
885	949	970	470.7	190	265	327
1	155	315	127.3	87	183	323
3	1	0	1.1	1	-3	1
1823	1633	1842	677.2	1100	984	1129
56253	56833	56111	21509.8	27586	27696	27509
2100	2666	2233	747.7	1402	1375	1080
455	647	213	428.6	902	671	150
1783	1615	2137	526.0	1637	1913	1103
794	815	942	237.7	665	934	789
382	453	247	159.5	206	134	208
1908	1354	1233	357.2	1714	2169	1507
641	96	571	189.9	1	548	596
109	0	157	95.2	235	345	174
140	314	17	202.7	244	500	23
-1	2	1	1.1	1	1	4
19823	20190	19897	835.8	18143	18501	18418
15639	15750	15859	233.7	15011	15225	15109
22423	23150	23274	943.1	22135	21584	21994
11383	11123	11105	252.6	11219	11024	11098
47	81	135	35.5	146	70	126
2	47	1	18.7	1	1	1
217	349	130	92.0	301	276	442
75	0	123	53.9	1	46	1
141	26	43	85.3	101	127	129
1063	1090	1084	88.3	1276	1265	1260
89	225	81	64.1	37	53	95
214	284	58	128.4	1	219	1
0	0	0	0.5	2	1	0
982	1086	824	178.4	1128	822	955
0	1	1	32.4	23	20	-40
5066	4758	5574	393.3	4032	4519	4715
10	1	1	3.9	2	2	1
112	47	315	108.0	106	-3	20
3	0	340	151.1	157	114	1
915	591	379	229.6	445	529	851
1	0	0	1.2	3	0	0
559	373	685	209.1	213	744	685
9	2	0	3.6	0	0	0

NL S17 1 LG1	NL S17 1 LG2	NL S17 1 LG3	NL S17 2 LG1	NL S17 2 LG2	NL S17 2 LG3	σ
1	1	1	1	1	1	0.0
1	0	1	0	1	1	0.5
1	1	125	88	1	1	47.4
6156	5978	6309	39294	39382	39795	15868.7
342	402	390	70	168	222	136.9
9	1	1	214	78	182	80.8
4407	4300	4502	7294	6829	7139	1254.4
1	1	1	1	1	1	0.0
7015	6913	6681	9595	9501	9642	1584.0
1	1	1	1	0	-2	7.9
736	274	653	104	320	4	237.8
1	1	1	1	45	66	109.6
633	372	597	2	1	1	276.0
20	1	282	921	884	888	456.6
45135	44683	45228	34173	35074	34971	7588.5
1518	1587	1532	1587	1756	1451	187.4
1425	771	1161	1057	1415	609	410.7
3773	3680	3699	2737	2530	2308	968.2
355	253	210	596	591	330	251.5
271	450	388	257	135	493	132.0
589	878	767	1486	1579	1990	549.9
390	97	341	1	1	689	278.3
295	64	148	0	97	86	113.3
508	595	340	640	599	823	238.7
1	1	1	1	3	0	1.2
12213	12406	12539	19235	18824	18642	3135.7
15959	16103	15853	15029	15514	15274	421.3
14973	14481	15126	22573	22528	22117	3662.9
11510	11472	11681	11285	11188	11060	226.3
44	34	52	48	16	-1	48.3
0	0	1	1	1	1	0.4
123	143	149	244	113	1	130.1
52	126	270	1	1	1	90.8
184	106	175	-54	97	35	72.7
133	651	224	1222	1006	1035	453.4
17	99	206	92	101	94	53.8
1067	866	1029	191	1	1	469.8
1	1	1	1	1	-7	2.7
0	-20	34	782	782	663	444.7
128	133	160	159	39	-20	78.4
2853	3391	3424	4088	4241	4984	691.7
1	1	0	0	2	2	0.8
54	60	170	108	161	66	59.0
1	1	0	418	186	193	140.0
642	724	1032	599	343	799	213.9
1	1	1	1	1	1	0.9
387	342	406	662	457	578	179.2
0	0	0	2	0	0	0.7

NL S18 1 1	NL S18 1 2	NL S18 1 3	NL S18 2 1	NL S18 2 2	NL S18 2 3	σ
1	1	1	1	1	1	0.0
1	1	1	1	1	1	0.0
1	1	1	1	1	1	0.0
57878	57429	58024	47298	47186	47667	5698.3
131	0	72	106	174	100	58.7
1	1	1	1	1	1	0.0
4153	4042	4313	4349	4607	4746	266.8
155	100	159	113	136	134	23.1
6681	6656	6627	6515	6545	6781	96.4
1	1	0	1	-1	0	0.8
818	1043	757	454	488	317	271.9
1	1	1	46	153	107	64.9
1	0	1	0	0	0	0.5
1407	1369	1168	1229	1298	1026	140.3
9141	8920	8831	5732	6113	5893	1678.7
746	1039	784	881	896	982	112.0
617	471	558	1	1062	90	385.8
1913	1612	2101	1441	1491	1273	311.2
340	368	317	366	533	531	97.0
127	154	329	20	341	434	157.6
1342	1294	1239	1253	1326	1218	49.8
81	256	35	234	256	249	99.9
23	48	0	40	97	229	83.0
94	-125	-83	141	24	-45	103.8
1	2	1	0	17	3	6.4
20257	20234	21084	19427	19371	19240	717.3
15486	15322	15145	15462	15290	15302	125.1
23891	24121	24063	22741	22387	23026	747.8
10879	11207	11396	11307	11362	11530	223.4
133	145	91	110	74	104	26.3
1	1	1	1	1	1	0.0
501	368	0	223	121	0	202.8
-1	45	31	14	1	3	18.7
139	257	382	33	97	40	136.8
769	455	1013	770	904	756	187.6
178	13	284	-9	101	174	111.0
373	465	311	339	290	497	84.3
0	0	0	0	0	0	0.0
1023	1003	1217	1112	1361	1251	139.7
19	29	0	-30	4	68	32.8
4798	4873	5059	5531	4356	5413	430.7
1	1	1	1	1	1	0.0
351	106	187	30	156	16	123.0
-1	0	1	0	5	41	16.5
188	308	-116	728	424	377	278.6
1	1	1	1	1	1	0.0
550	799	294	433	314	609	192.5
1	0	0	0	0	0	0.4

	AH #1	AH #2	AH #3	σ	MN #1	MN #2	σ
Na	1	1	1	0.0	1	1	0.0
Mg	1	1	1	0.0	1	1	0.0
Al	1	1	1	0.0	1	1	0.0
Si	45441	58699	44871	7824.0	22098	57745	25205.9
P	225	186	224	22.2	299	48	177.5
S	13	44	1	22.4	1	1	0.0
Cl	4132	4090	4408	172.8	4480	4345	95.8
K	1	1	1	0.0	1	65	44.9
Ca	8560	9538	9193	496.0	10405	5960	3143.4
Ti	350	504	78	215.4	1	469	330.6
V	64	1	3	35.5	1	1	0.0
Cr	0	1	-9	5.7	1	1	0.0
Mn	1404	1986	1118	442.0	583	1656	758.7
Fe	2843	2922	6915	2328.4	11737	5233	4599.4
Co	831	1048	857	118.4	919	756	115.3
Ni	1	1	1	0.0	1	1	0.0
Cu	426	62	354	192.9	1169	388	552.3
Zn	944	1051	912	72.9	783	776	5.3
Rb	221	255	222	19.2	247	403	110.3
Sr	53	32	30	12.9	1	1	0.0
Y	-4	1	7	5.5	2	-1	2.1
Zr	1	1	1	0.0	1	5	2.5
Nb	2	4	2	0.9	2	4	1.4
Mo	0	1	0	0.3	0	0	0.0
Rh (K12)	2	3	6	2.3	3	3	0.0
Rh (L1)	17742	17807	17947	105.0	17751	17396	251.4
Pd (K12)	8	10	9	1.3	9	12	1.8
Pd (L1)	11152	10943	11264	163.2	11388	11033	251.4
Cs (K12)	0	0	0	0.2	0	0	0.0
Cs (L1)	10	2	6	4.3	16	20	2.8
Ba (K12)	0	0	0	0.2	0	0	0.0
Ba (L1)	527	239	565	178.6	685	355	233.7
La	0	0	0	0.2	0	0	0.0
Ce (L1)	543	437	379	83.0	846	341	357.4
Ce (M1)	1	1	1	0.0	1	1	0.0
Pr (L1)	1217	1652	1302	230.3	772	1190	295.6
Pr (M1)	0	0	0	0.0	0	0	0.0
Yb (L1)	2050	1447	1832	305.3	1963	1646	224.5
Yb (M1)	1	1	1	0.2	9	1	6.0
Lu (L1)	215	264	88	90.7	-18	323	241.1
Lu (M1)	0	0	0	0.0	-2	0	1.4
Pb (L1)	584	356	355	131.8	-118	468	414.0
Pb (M1)	0	0	0	0.0	0	0	0.0
Th (L1)	385	282	335	51.7	347	280	47.7
Th (M1)	1	1	1	0.2	1	1	0.0
U (L1)	416	270	300	77.0	228	359	92.6
U (M1)	0	0	0	0.0	0	0	0.0

MQ #1	MQ #2	MQ #3	σ	MH #1	MH #2	MH #3
1	1	1	0.0	1	1	1
1	1	1	0.0	1	1	1
2	3	1	1.0	1	1	1
14222	7651	3562	5378.2	46678	59285	38781
343	329	127	120.9	122	255	270
1	1	1	0.0	1	1	1
4141	3892	1834	1266.0	2389	2406	2899
1	1	1	0.0	1	1	43
9818	6147	3007	3409.0	6834	18167	13607
51	97	1	48.0	656	584	423
1	1	1	0.0	57	1	93
202	342	249	71.0	1	1	1
156	1	1	89.3	1477	2251	1936
3577	2848	1238	1196.8	3039	4119	4690
405	333	154	129.2	919	1172	642
1	1	1	0.3	1	1	1
1423	2026	1104	467.9	361	368	48
319	255	37	147.9	855	1056	1249
247	227	109	74.6	324	234	211
12	1	10	6.0	19	1	67
1	0	0	0.8	1	1	2
1	3	4	1.3	1	12	4
2	3	12	5.7	1	0	1
0	0	4	2.2	1	1	0
1	2	7	3.2	5	9	4
18136	16194	7442	5696.9	17971	17372	17883
7	4	8	2.0	7	7	10
11282	9905	4758	3438.9	11306	10614	11326
0	1	0	0.3	0	0	0
1	56	43	28.5	1	1	3
0	1	0	0.3	0	0	0
231	237	62	99.1	326	9	531
0	1	0	0.6	0	0	0
872	935	420	280.9	546	272	354
1	1	1	0.0	1	1	1
350	122	203	115.6	1135	1514	1571
0	0	0	0.0	0	0	0
1599	1602	877	417.7	1455	1116	1979
2	9	0	4.5	1	1	0
0	35	0	19.8	288	495	241
-1	1	2	1.5	0	0	0
64	248	-60	154.7	520	981	324
0	0	0	0.0	0	0	0
355	293	44	164.6	263	268	253
1	1	1	0.0	1	1	0
268	107	145	84.0	347	201	384
0	0	0	0.0	0	0	0

MH #4	MH #5	σ	NO #1	NO #2	NO #3	NO #4	σ
1	1	0.0	1	1	1	1	0.0
1	1	0.0	1	1	1	1	0.0
1	1	0.0	1	1	1	1	0.0
34036	34004	10686.8	58686	59974	59277	19094	20116.2
165	216	61.9	281	238	191	278	42.0
1	1	0.0	21	1	8	9	8.2
458	3870	1243.1	4193	4226	4293	4264	43.7
1349	928	633.3	577	30	14	1	281.3
29657	29557	10015.2	23666	14367	17998	11860	5124.2
310	311	158.0	433	265	270	119	128.6
260	244	115.4	1	1	1	1	0.0
3	0	1.1	1	0	0	1	0.4
2573	2255	414.0	2040	1786	2050	230	873.0
20691	20576	9157.6	6593	3424	4018	6093	1546.6
1317	1613	371.7	821	769	886	565	138.8
17	1	7.2	1	1	1	1	0.2
6	179	169.6	234	171	61	1340	596.5
1115	1148	146.2	952	961	954	644	155.8
164	313	68.2	221	206	305	207	47.4
49	3	29.1	20	25	27	10	7.5
6	1	2.2	0	1	-1	-5	2.8
1	3	4.5	4	4	4	1	1.2
3	0	1.2	2	3	5	2	1.2
0	0	0.5	1	1	0	0	0.2
5	4	2.1	5	5	4	2	1.1
36	17579	7903.8	17730	17798	17630	17786	76.8
2	9	3.1	12	12	10	6	2.7
22524	11253	5106.5	10828	11069	11129	11336	209.1
0	0	0.0	0	0	0	0	0.0
1	0	1.1	9	1	1	19	8.6
0	0	0.0	0	0	0	0	0.0
788	814	336.8	441	402	514	324	79.2
0	0	0.0	0	0	0	0	0.0
1	384	200.0	276	396	303	878	281.5
1	1	0.0	1	1	1	1	0.0
1200	1312	190.9	1383	1451	1636	647	434.6
0	0	0.0	0	0	0	0	0.0
1677	1465	317.8	1446	1559	1383	1864	213.3
0	8	3.4	0	1	1	8	3.8
146	135	145.8	219	130	275	-26	131.5
0	-1	0.4	0	0	0	-2	1.0
545	169	305.8	521	868	632	116	314.4
0	0	0.0	0	0	0	0	0.0
157	293	52.3	142	273	190	382	104.9
1	1	0.4	1	1	1	1	0.2
393	395	82.2	365	234	222	205	73.4
0	0	0.0	22	0	1	0	11.0

RB #1	RB #2	RB #3	σ	SM #1	SM #2	σ
1	1	1	0.0	1	1	0.0
1	1	1	0.0	1	1	0.0
1	1	1	0.0	1	1	0.0
39644	57979	69301	14965.9	29450	54240	17528.9
241	200	267	33.6	318	193	88.4
24	9	222	118.9	11	25	9.9
4276	4149	3858	214.4	4268	4691	299.3
1	71	173	86.3	1	23	15.3
9179	8088	8281	582.6	8485	7711	547.8
50	276	558	254.5	91	304	150.4
155	1	1	88.9	178	1	125.4
-9	0	1	5.6	1	0	0.5
1651	1823	2122	238.5	2352	1829	370.1
2756	2875	3575	442.4	12250	6372	4156.6
969	805	984	99.5	1090	914	124.7
11	1	1	6.0	1	1	0.2
68	141	250	91.4	576	25	390.1
1100	836	835	152.5	941	1106	116.9
281	249	260	16.6	275	357	57.5
20	43	43	13.1	6	47	29.0
5	-1	-1	3.4	4	20	11.3
2	2	3	0.5	3	3	0.0
3	1	2	1.0	3	1	0.9
0	0	0	0.0	0	1	0.5
2	3	4	0.7	2	3	0.5
17703	17779	17570	105.5	17873	17742	92.9
8	8	12	2.3	9	11	1.4
11197	11036	10237	514.3	11341	11159	128.5
0	0	0	0.0	0	0	0.0
51	30	1	24.9	47	43	2.8
0	0	0	0.0	0	0	0.0
637	357	187	227.6	854	486	260.2
0	0	0	0.0	0	0	0.0
298	403	329	53.9	320	405	60.3
1	1	1	0.0	1	1	0.0
1434	1435	1334	57.8	1081	1585	355.9
0	0	0	0.0	0	0	0.0
2001	1560	1236	384.2	1965	1462	355.9
0	0	1	0.3	0	0	0.2
299	126	534	205.1	38	202	116.4
0	0	0	0.0	0	0	0.0
250	551	695	227.4	160	530	261.4
0	0	0	0.0	0	0	0.0
284	309	142	90.3	349	282	47.4
1	1	1	0.2	1	1	0.2
310	419	376	55.0	359	268	64.8
0	0	0	0.0	0	0	0.0

WLW #1	WLW #2	WLW #3	σ
1	1	1	0.0
1	1	1	0.0
1	1	1	0.0
49944	49947	50716	444.9
192	104	169	45.6
1	1	31	17.3
4594	4002	4369	298.8
951	869	1059	95.3
7630	7972	8130	255.6
1121	841	1128	163.7
1	1	1	0.0
0	0	1	0.6
1528	1532	1405	72.2
17109	17029	17241	107.1
1068	1229	888	170.6
1	1	1	0.0
238	433	509	139.8
933	832	854	53.1
561	515	403	81.3
86	64	1	44.1
1	2	-107	62.6
0	2	2	1.2
0	2	1	1.0
0	0	0	0.0
4	2	3	1.0
17650	18142	18127	279.8
12	13	12	0.6
11098	10829	10758	179.4
0	0	0	0.0
1	-1	0	1.0
0	0	0	0.0
839	985	815	92.0
0	0	0	0.0
263	480	449	117.4
1	1	1	0.0
1324	899	1064	214.3
0	0	0	0.0
1328	1702	1433	192.9
0	0	1	0.6
-12	-95	172	136.6
0	0	0	0.0
431	274	562	144.2
0	0	0	0.0
266	167	428	131.8
1	1	1	0.0
445	346	272	86.8
0	0	0	0.0

Site	Code	
Ballintoy East	BE	e.g. BES1#1
Beer	BR	BRFN
Cissbury	CB	CBB
Field near Pewsey	FP	FPX
Grime's Graves	GG	GGLN
Harrow Hill	HH	HHLN
Isle of Wight Lane	IW	
Moon's Copse	MC	MCB
Portbraddan	PB	
Slieve Gallion	SG	SG1#1
South Downs Way at Kingston, Lewes	SD	SDP1
Southwick Hill large nodule	SH	
Southwick Hill, Mile Oak Road	MOR	
White Cliffs of Dover, nodule	WCN	WCF1
West Kennet	WK	WKP1
White Park Bay	WPB	
White Rocks 1	WR1	WRP#1
White Rocks 2 (0813)	WR2	
Cloughastucan	CN	
Garron Point	GP	
North Landing	NL	
Arras Hill	AH	
Malton	MN	
Middleton Quarry	MQ	
Mill Hill	MH	
North Ormsby	NO	
Rifle Butts Quarry	RB	
Sledmere Malton	SM	
Welton-le-Wold	WLW	

Ballintoy East, Sample 1, number 1

Beer Fresh Nodule

Cissbury Bag, blue paper

Field near Pewsey, box 1

Grime's Graves, large nodule

Harrow Hill, large nodule

Moon's Copse, bag

Slieve Gallion 1, sample 1

SD Piece 1

White Cliffs of Dover, Fragment 1

West Kennet, piece 1

White Rocks, pebble, number 1

BRWN Beer Water-rolled nodule

CBX Cissbury, box 1

FPN Field near Pewsey, large nodule

GGN Grime's Graves nodule

HHF1 Harrow Hill, fragment 1

MCX Moon's Copse, box