Peak Nr.	Rt	Molecule	F	Identifier 1	Identifier 2	Analysis	Date	Time
4	165.2	CO2		WSU Std A-1	Carbonate	P-8147	8/2/09	17:39:31
5	215.2	CO2		WSU Std A-1	Carbonate	P-8147	8/2/09	17:39:31
6	265.3	CO2		WSU Std A-1	Carbonate	P-8147	8/2/09	17:39:31
7	315.3	CO2		WSU Std A-1	Carbonate	P-8147	8/2/09	17:39:31
8	365.4	CO2		WSU Std A-1	Carbonate	P-8147	8/2/09	17:39:31
9	415.4	CO2		WSU Std A-1	Carbonate	P-8147	8/2/09	17:39:31
10	465.5	CO2		WSU Std A-1	Carbonate	P-8147	8/2/09	17:39:31
11	515.8	CO2		WSU Std A-1	Carbonate	P-8147	8/2/09	17:39:31
12	565.3	CO2		WSU Std A-1	Carbonate	P-8147	8/2/09	17:39:31
13	615.4	CO2		WSU Std A-1	Carbonate	P-8147	8/2/09	17:39:31
4	165.2	CO2		NBS-19-1	Carbonate	P-8148	8/2/09	17:54:25
5	215.2	CO2		NBS-19-1	Carbonate	P-8148	8/2/09	17:54:25
6	265.3	CO2		NBS-19-1	Carbonate	P-8148	8/2/09	17:54:25
7	315.3	CO2		NBS-19-1	Carbonate	P-8148	8/2/09	17:54:25
8	365.4	CO2		NBS-19-1	Carbonate	P-8148	8/2/09	17:54:25
9	415.5	CO2		NBS-19-1	Carbonate	P-8148	8/2/09	17:54:25
10	465.3	CO2		NBS-19-1	Carbonate	P-8148	8/2/09	17:54:25
11	515.3	CO2		NBS-19-1	Carbonate	P-8148	8/2/09	17:54:25
12	565.4	CO2		NBS-19-1	Carbonate	P-8148	8/2/09	17:54:25
13	615.2	CO2		NBS-19-1	Carbonate	P-8148	8/2/09	17:54:25
4	165.4	CO2		805042	Carbonate	P-8149	8/2/09	18:09:20
5	215.5	CO2		805042	Carbonate	P-8149	8/2/09	18:09:20
6	265.3	CO2		805042	Carbonate	P-8149	8/2/09	18:09:20
7	315.4	CO2		805042	Carbonate	P-8149	8/2/09	18:09:20
8	365.4	CO2		805042	Carbonate	P-8149	8/2/09	18:09:20
9	415.5	CO2		805042	Carbonate	P-8149	8/2/09	18:09:20
10	465.5	CO2		805042	Carbonate	P-8149	8/2/09	18:09:20
11	515.6	CO2		805042	Carbonate	P-8149	8/2/09	18:09:20
12	565.5	CO2		805042	Carbonate	P-8149	8/2/09	18:09:20
13	615.5	CO2		805042	Carbonate	P-8149	8/2/09	18:09:20
4	164.7	CO2		805008	Carbonate	P-8150	8/2/09	18:24:15
5	215	CO2		805008	Carbonate	P-8150	8/2/09	18:24:15
6	265	CO2		805008	Carbonate	P-8150	8/2/09	18:24:15
7	315	CO2		805008	Carbonate	P-8150	8/2/09	18:24:15
8	365	CO2		805008	Carbonate	P-8150	8/2/09	18:24:15
9	414.9	CO2		805008	Carbonate	P-8150	8/2/09	18:24:15
10	465.2	CO2		805008	Carbonate	P-8150	8/2/09	18:24:15
11	515.5	CO2		805008	Carbonate	P-8150	8/2/09	18:24:15
12	565.2	CO2		805008	Carbonate	P-8150	8/2/09	18:24:15
13	615	CO2		805008	Carbonate	P-8150	8/2/09	18:24:15
4	165.4	CO2		808001	Carbonate	P-8151	8/2/09	18:39:09
5	215.5	CO2		808001	Carbonate	P-8151	8/2/09	18:39:09
6	265.3	CO2		808001	Carbonate	P-8151	8/2/09	18:39:09
7	315.4	CO2		808001	Carbonate	P-8151	8/2/09	18:39:09
8	365.5	CO2		808001	Carbonate	P-8151	8/2/09	18:39:09
9	415.5	CO2		808001	Carbonate	P-8151	8/2/09	18:39:09
10	465.6	CO2		808001	Carbonate	P-8151	8/2/09	18:39:09
11	515.7	CO2		808001	Carbonate	P-8151	8/2/09	18:39:09

12	565.5	CO2	808001	Carbonate	P-8151	8/2/09	18:39:09
13	615.6	CO2	808001	Carbonate	P-8151	8/2/09	18:39:09
4	165.2	CO2	805037	Carbonate	P-8152	8/2/09	18:54:04
5	215.2	CO2	805037	Carbonate	P-8152	8/2/09	18:54:04
6	265.3	CO2	805037	Carbonate	P-8152	8/2/09	18:54:04
7	315.4	CO2	805037	Carbonate	P-8152	8/2/09	18:54:04
8	365.4	CO2	805037	Carbonate	P-8152	8/2/09	18:54:04
9	415.5	CO2	805037	Carbonate	P-8152	8/2/09	18:54:04
10	465.6	CO2	805037	Carbonate	P-8152	8/2/09	18:54:04
11	515.6	CO2	805037	Carbonate	P-8152	8/2/09	18:54:04
12	565.4	CO2	805037	Carbonate	P-8152	8/2/09	18:54:04
13	615.5	CO2	805037	Carbonate	P-8152	8/2/09	18:54:04
4	165.2	CO2	805049	Carbonate	P-8153	8/2/09	19:08:58
5	215.3	CO2	805049	Carbonate	P-8153	8/2/09	19:08:58
6	265.3	CO2	805049	Carbonate	P-8153	8/2/09	19:08:58
7	315.3	CO2	805049	Carbonate	P-8153	8/2/09	19:08:58
8	365.4	CO2	805049	Carbonate	P-8153	8/2/09	19:08:58
9	415.4	CO2	805049	Carbonate	P-8153	8/2/09	19:08:58
10	465.5	CO2	805049	Carbonate	P-8153	8/2/09	19:08:58
11	515.6	CO2	805049	Carbonate	P-8153	8/2/09	19:08:58
12	565.4	CO2	805049	Carbonate	P-8153	8/2/09	19:08:58
13	615.5	CO2	805049	Carbonate	P-8153	8/2/09	19:08:58
4	164.9	CO2	805054	Carbonate	P-8154	8/2/09	19:23:52
5	214.9	CO2	805054	Carbonate	P-8154	8/2/09	19:23:52
6	264.9	CO2	805054	Carbonate	P-8154	8/2/09	19:23:52
7	314.9	CO2	805054	Carbonate	P-8154	8/2/09	19:23:52
8	365.1	CO2	805054	Carbonate	P-8154	8/2/09	19:23:52
9	415.1	CO2	805054	Carbonate	P-8154	8/2/09	19:23:52
10	465.1	CO2	805054	Carbonate	P-8154	8/2/09	19:23:52
11	515.4	CO2	805054	Carbonate	P-8154	8/2/09	19:23:52
12	565.2	CO2	805054	Carbonate	P-8154	8/2/09	19:23:52
13	615.2	CO2	805054	Carbonate	P-8154	8/2/09	19:23:52
4	165.2	CO2	805020	Carbonate	P-8155	8/2/09	19:38:47
5	215.2	CO2	805020	Carbonate	P-8155	8/2/09	19:38:47
6	265.3	CO2	805020	Carbonate	P-8155	8/2/09	19:38:47
7	315.3	CO2	805020	Carbonate	P-8155	8/2/09	19:38:47
8	365.4	CO2	805020	Carbonate	P-8155	8/2/09	19:38:47
9	415.4	CO2	805020	Carbonate	P-8155	8/2/09	19:38:47
10	465.4	CO2	805020	Carbonate	P-8155	8/2/09	19:38:47
11	515.5	CO2	805020	Carbonate	P-8155	8/2/09	19:38:47
12	565.5	CO2	805020	Carbonate	P-8155	8/2/09	19:38:47
13	615.6	CO2	805020	Carbonate	P-8155	8/2/09	19:38:47
4	165.7	CO2	808005	Carbonate	P-8156	8/2/09	19:53:41
5	215.8	CO2	808005	Carbonate	P-8156	8/2/09	19:53:41
6	265.9	CO2	808005	Carbonate	P-8156	8/2/09	19:53:41
7	315.8	CO2	808005	Carbonate	P-8156	8/2/09	19:53:41
8	365.9	CO2	808005	Carbonate	P-8156	8/2/09	19:53:41
9	416	CO2	808005	Carbonate	P-8156	8/2/09	19:53:41
10	465.9	CO2	808005	Carbonate	P-8156	8/2/09	19:53:41

11	516	CO2		808005	Carbonate	P-8156	8/2/09	19:53:41
12	565.8	CO2		808005	Carbonate	P-8156	8/2/09	19:53:41
13	616	CO2		808005	Carbonate	P-8156	8/2/09	19:53:41
4	165.5	CO2		805084	Carbonate	P-8157	8/2/09	20:08:38
5	215.5	CO2		805084	Carbonate	P-8157	8/2/09	20:08:38
6	265.6	CO2		805084	Carbonate	P-8157	8/2/09	20:08:38
7	315.7	CO2		805084	Carbonate	P-8157	8/2/09	20:08:38
8	365.8	CO2		805084	Carbonate	P-8157	8/2/09	20:08:38
9	415.8	CO2		805084	Carbonate	P-8157	8/2/09	20:08:38
10	465.6	CO2		805084	Carbonate	P-8157	8/2/09	20:08:38
11	515.7	CO2		805084	Carbonate	P-8157	8/2/09	20:08:38
12	565.8	CO2		805084	Carbonate	P-8157	8/2/09	20:08:38
13	615.8	CO2		805084	Carbonate	P-8157	8/2/09	20:08:38
4	165.5	CO2	0805049D		Carbonate	P-8158	8/2/09	20:23:35
5	215.5	CO2	0805049D		Carbonate	P-8158	8/2/09	20:23:35
6	265.6	CO2	0805049D		Carbonate	P-8158	8/2/09	20:23:35
7	315.6	CO2	0805049D		Carbonate	P-8158	8/2/09	20:23:35
8	365.7	CO2	0805049D		Carbonate	P-8158	8/2/09	20:23:35
9	415.8	CO2	0805049D		Carbonate	P-8158	8/2/09	20:23:35
10	465.9	CO2	0805049D		Carbonate	P-8158	8/2/09	20:23:35
11	516	CO2	0805049D		Carbonate	P-8158	8/2/09	20:23:35
12	565.8	CO2	0805049D		Carbonate	P-8158	8/2/09	20:23:35
13	615.8	CO2	0805049D		Carbonate	P-8158	8/2/09	20:23:35
4	165.2	CO2	WSU Std A-2		Carbonate	P-8159	8/2/09	20:38:32
5	215.5	CO2	WSU Std A-2		Carbonate	P-8159	8/2/09	20:38:32
6	265.5	CO2	WSU Std A-2		Carbonate	P-8159	8/2/09	20:38:32
7	315.5	CO2	WSU Std A-2		Carbonate	P-8159	8/2/09	20:38:32
8	365.5	CO2	WSU Std A-2		Carbonate	P-8159	8/2/09	20:38:32
9	415.6	CO2	WSU Std A-2		Carbonate	P-8159	8/2/09	20:38:32
10	465.6	CO2	WSU Std A-2		Carbonate	P-8159	8/2/09	20:38:32
11	515.9	CO2	WSU Std A-2		Carbonate	P-8159	8/2/09	20:38:32
12	565.7	CO2	WSU Std A-2		Carbonate	P-8159	8/2/09	20:38:32
13	615.7	CO2	WSU Std A-2		Carbonate	P-8159	8/2/09	20:38:32
4	165.7	CO2		805040	Carbonate	P-8160	8/2/09	20:53:28
5	215.8	CO2		805040	Carbonate	P-8160	8/2/09	20:53:28
6	265.9	CO2		805040	Carbonate	P-8160	8/2/09	20:53:28
7	315.9	CO2		805040	Carbonate	P-8160	8/2/09	20:53:28
8	366	CO2		805040	Carbonate	P-8160	8/2/09	20:53:28
9	416.1	CO2		805040	Carbonate	P-8160	8/2/09	20:53:28
10	465.9	CO2		805040	Carbonate	P-8160	8/2/09	20:53:28
11	516	CO2		805040	Carbonate	P-8160	8/2/09	20:53:28
12	566.1	CO2		805040	Carbonate	P-8160	8/2/09	20:53:28
13	615.9	CO2		805040	Carbonate	P-8160	8/2/09	20:53:28
4	165.7	CO2		805005	Carbonate	P-8161	8/2/09	21:08:24
5	215.8	CO2		805005	Carbonate	P-8161	8/2/09	21:08:24
6	265.8	CO2		805005	Carbonate	P-8161	8/2/09	21:08:24
7	315.9	CO2		805005	Carbonate	P-8161	8/2/09	21:08:24
8	365.9	CO2		805005	Carbonate	P-8161	8/2/09	21:08:24
9	416	CO2		805005	Carbonate	P-8161	8/2/09	21:08:24

10	466	CO2		805005	Carbonate	P-8161	8/2/09	21:08:24
11	516.1	CO2		805005	Carbonate	P-8161	8/2/09	21:08:24
12	565.9	CO2		805005	Carbonate	P-8161	8/2/09	21:08:24
13	616	CO2		805005	Carbonate	P-8161	8/2/09	21:08:24
4	165.7	CO2		805048	Carbonate	P-8162	8/2/09	21:23:20
5	215.7	CO2		805048	Carbonate	P-8162	8/2/09	21:23:20
6	265.8	CO2		805048	Carbonate	P-8162	8/2/09	21:23:20
7	315.8	CO2		805048	Carbonate	P-8162	8/2/09	21:23:20
8	365.9	CO2		805048	Carbonate	P-8162	8/2/09	21:23:20
9	415.9	CO2		805048	Carbonate	P-8162	8/2/09	21:23:20
10	466	CO2		805048	Carbonate	P-8162	8/2/09	21:23:20
11	516	CO2		805048	Carbonate	P-8162	8/2/09	21:23:20
12	566	CO2		805048	Carbonate	P-8162	8/2/09	21:23:20
13	615.9	CO2		805048	Carbonate	P-8162	8/2/09	21:23:20
4	165.7	CO2		805006	Carbonate	P-8163	8/2/09	21:38:17
5	215.8	CO2		805006	Carbonate	P-8163	8/2/09	21:38:17
6	265.8	CO2		805006	Carbonate	P-8163	8/2/09	21:38:17
7	315.9	CO2		805006	Carbonate	P-8163	8/2/09	21:38:17
8	365.9	CO2		805006	Carbonate	P-8163	8/2/09	21:38:17
9	416.2	CO2		805006	Carbonate	P-8163	8/2/09	21:38:17
10	466	CO2		805006	Carbonate	P-8163	8/2/09	21:38:17
11	516.1	CO2		805006	Carbonate	P-8163	8/2/09	21:38:17
12	566.2	CO2		805006	Carbonate	P-8163	8/2/09	21:38:17
13	616	CO2		805006	Carbonate	P-8163	8/2/09	21:38:17
4	165.7	CO2		805023	Carbonate	P-8164	8/2/09	21:53:14
5	215.8	CO2		805023	Carbonate	P-8164	8/2/09	21:53:14
6	265.8	CO2		805023	Carbonate	P-8164	8/2/09	21:53:14
7	315.9	CO2		805023	Carbonate	P-8164	8/2/09	21:53:14
8	365.9	CO2		805023	Carbonate	P-8164	8/2/09	21:53:14
9	416.2	CO2		805023	Carbonate	P-8164	8/2/09	21:53:14
10	466	CO2		805023	Carbonate	P-8164	8/2/09	21:53:14
11	516.1	CO2		805023	Carbonate	P-8164	8/2/09	21:53:14
12	566.2	CO2		805023	Carbonate	P-8164	8/2/09	21:53:14
13	616	CO2		805023	Carbonate	P-8164	8/2/09	21:53:14
4	165.7	CO2		805043	Carbonate	P-8165	8/2/09	22:08:11
5	216	CO2		805043	Carbonate	P-8165	8/2/09	22:08:11
6	266.1	CO2		805043	Carbonate	P-8165	8/2/09	22:08:11
7	316.1	CO2		805043	Carbonate	P-8165	8/2/09	22:08:11
8	366.1	CO2		805043	Carbonate	P-8165	8/2/09	22:08:11
9	416	CO2		805043	Carbonate	P-8165	8/2/09	22:08:11
10	466	CO2		805043	Carbonate	P-8165	8/2/09	22:08:11
11	516	CO2		805043	Carbonate	P-8165	8/2/09	22:08:11
12	566.1	CO2		805043	Carbonate	P-8165	8/2/09	22:08:11
13	616.2	CO2		805043	Carbonate	P-8165	8/2/09	22:08:11
4	166	CO2	0805043D		Carbonate	P-8166	8/2/09	22:23:07
5	216	CO2	0805043D		Carbonate	P-8166	8/2/09	22:23:07
6	266	CO2	0805043D		Carbonate	P-8166	8/2/09	22:23:07
7	316.1	CO2	0805043D		Carbonate	P-8166	8/2/09	22:23:07
8	366.1	CO2	0805043D		Carbonate	P-8166	8/2/09	22:23:07

9	416.2	CO2	0805043D		Carbonate	P-8166	8/2/09	22:23:07
10	466.2	CO2	0805043D		Carbonate	P-8166	8/2/09	22:23:07
11	516.5	CO2	0805043D		Carbonate	P-8166	8/2/09	22:23:07
12	566	CO2	0805043D		Carbonate	P-8166	8/2/09	22:23:07
13	616.1	CO2	0805043D		Carbonate	P-8166	8/2/09	22:23:07
4	166.5	CO2		808008	Carbonate	P-8167	8/2/09	22:38:03
5	216.6	CO2		808008	Carbonate	P-8167	8/2/09	22:38:03
6	266.4	CO2		808008	Carbonate	P-8167	8/2/09	22:38:03
7	316.5	CO2		808008	Carbonate	P-8167	8/2/09	22:38:03
8	366.6	CO2		808008	Carbonate	P-8167	8/2/09	22:38:03
9	416.8	CO2		808008	Carbonate	P-8167	8/2/09	22:38:03
10	466.6	CO2		808008	Carbonate	P-8167	8/2/09	22:38:03
11	516.7	CO2		808008	Carbonate	P-8167	8/2/09	22:38:03
12	566.6	CO2		808008	Carbonate	P-8167	8/2/09	22:38:03
13	616.4	CO2		808008	Carbonate	P-8167	8/2/09	22:38:03
4	166.5	CO2		808011	Carbonate	P-8168	8/2/09	22:53:01
5	216.3	CO2		808011	Carbonate	P-8168	8/2/09	22:53:01
6	266.4	CO2		808011	Carbonate	P-8168	8/2/09	22:53:01
7	316.5	CO2		808011	Carbonate	P-8168	8/2/09	22:53:01
8	366.6	CO2		808011	Carbonate	P-8168	8/2/09	22:53:01
9	416.7	CO2		808011	Carbonate	P-8168	8/2/09	22:53:01
10	466.6	CO2		808011	Carbonate	P-8168	8/2/09	22:53:01
11	516.5	CO2		808011	Carbonate	P-8168	8/2/09	22:53:01
12	566.8	CO2		808011	Carbonate	P-8168	8/2/09	22:53:01
13	616.4	CO2		808011	Carbonate	P-8168	8/2/09	22:53:01
4	166.5	CO2		808006	Carbonate	P-8169	8/2/09	23:07:58
5	216.5	CO2		808006	Carbonate	P-8169	8/2/09	23:07:58
6	266.6	CO2		808006	Carbonate	P-8169	8/2/09	23:07:58
7	316.5	CO2		808006	Carbonate	P-8169	8/2/09	23:07:58
8	366.6	CO2		808006	Carbonate	P-8169	8/2/09	23:07:58
9	416.7	CO2		808006	Carbonate	P-8169	8/2/09	23:07:58
10	466.5	CO2		808006	Carbonate	P-8169	8/2/09	23:07:58
11	516.7	CO2		808006	Carbonate	P-8169	8/2/09	23:07:58
12	566.8	CO2		808006	Carbonate	P-8169	8/2/09	23:07:58
13	616.6	CO2		808006	Carbonate	P-8169	8/2/09	23:07:58
4	166	CO2	WSU Std A-3		Carbonate	P-8170	8/2/09	23:22:55
5	216	CO2	WSU Std A-3		Carbonate	P-8170	8/2/09	23:22:55
6	266.1	CO2	WSU Std A-3		Carbonate	P-8170	8/2/09	23:22:55
7	316.1	CO2	WSU Std A-3		Carbonate	P-8170	8/2/09	23:22:55
8	366.2	CO2	WSU Std A-3		Carbonate	P-8170	8/2/09	23:22:55
9	416.3	CO2	WSU Std A-3		Carbonate	P-8170	8/2/09	23:22:55
10	466.3	CO2	WSU Std A-3		Carbonate	P-8170	8/2/09	23:22:55
11	516.4	CO2	WSU Std A-3		Carbonate	P-8170	8/2/09	23:22:55
12	566.4	CO2	WSU Std A-3		Carbonate	P-8170	8/2/09	23:22:55
13	616.3	CO2	WSU Std A-3		Carbonate	P-8170	8/2/09	23:22:55
4	166.7	CO2	0808002B		Carbonate	P-8171	8/2/09	23:37:52
5	216.9	CO2	0808002B		Carbonate	P-8171	8/2/09	23:37:52
6	266.8	CO2	0808002B		Carbonate	P-8171	8/2/09	23:37:52
7	317	CO2	0808002B		Carbonate	P-8171	8/2/09	23:37:52

8	366.9	CO2	0808002B		Carbonate	P-8171	8/2/09	23:37:52
9	416.9	CO2	0808002B		Carbonate	P-8171	8/2/09	23:37:52
10	466.8	CO2	0808002B		Carbonate	P-8171	8/2/09	23:37:52
11	517.1	CO2	0808002B		Carbonate	P-8171	8/2/09	23:37:52
12	567	CO2	0808002B		Carbonate	P-8171	8/2/09	23:37:52
13	616.8	CO2	0808002B		Carbonate	P-8171	8/2/09	23:37:52
4	165.9	CO2	0805064B		Carbonate	P-8172	8/2/09	23:52:46
5	216	CO2	0805064B		Carbonate	P-8172	8/2/09	23:52:46
6	266	CO2	0805064B		Carbonate	P-8172	8/2/09	23:52:46
7	316.1	CO2	0805064B		Carbonate	P-8172	8/2/09	23:52:46
8	366.1	CO2	0805064B		Carbonate	P-8172	8/2/09	23:52:46
9	416.1	CO2	0805064B		Carbonate	P-8172	8/2/09	23:52:46
10	466.2	CO2	0805064B		Carbonate	P-8172	8/2/09	23:52:46
11	516.2	CO2	0805064B		Carbonate	P-8172	8/2/09	23:52:46
12	566.3	CO2	0805064B		Carbonate	P-8172	8/2/09	23:52:46
13	616.3	CO2	0805064B		Carbonate	P-8172	8/2/09	23:52:46
4	166.2	CO2		805017	Carbonate	P-8174	8/3/09	0:22:35
5	216.3	CO2		805017	Carbonate	P-8174	8/3/09	0:22:35
6	266.4	CO2		805017	Carbonate	P-8174	8/3/09	0:22:35
7	316.5	CO2		805017	Carbonate	P-8174	8/3/09	0:22:35
8	366.5	CO2		805017	Carbonate	P-8174	8/3/09	0:22:35
9	416.6	CO2		805017	Carbonate	P-8174	8/3/09	0:22:35
10	466.4	CO2		805017	Carbonate	P-8174	8/3/09	0:22:35
11	516.5	CO2		805017	Carbonate	P-8174	8/3/09	0:22:35
12	566.6	CO2		805017	Carbonate	P-8174	8/3/09	0:22:35
13	616.4	CO2		805017	Carbonate	P-8174	8/3/09	0:22:35
4	166.2	CO2		805016	Carbonate	P-8175	8/3/09	0:37:30
5	216.3	CO2		805016	Carbonate	P-8175	8/3/09	0:37:30
6	266.4	CO2		805016	Carbonate	P-8175	8/3/09	0:37:30
7	316.2	CO2		805016	Carbonate	P-8175	8/3/09	0:37:30
8	366.2	CO2		805016	Carbonate	P-8175	8/3/09	0:37:30
9	416.3	CO2		805016	Carbonate	P-8175	8/3/09	0:37:30
10	466.3	CO2		805016	Carbonate	P-8175	8/3/09	0:37:30
11	516.4	CO2		805016	Carbonate	P-8175	8/3/09	0:37:30
12	566.5	CO2		805016	Carbonate	P-8175	8/3/09	0:37:30
13	616.3	CO2		805016	Carbonate	P-8175	8/3/09	0:37:30
4	166.2	CO2		805024	Carbonate	P-8176	8/3/09	0:52:25
5	216.3	CO2		805024	Carbonate	P-8176	8/3/09	0:52:25
6	266.3	CO2		805024	Carbonate	P-8176	8/3/09	0:52:25
7	316.4	CO2		805024	Carbonate	P-8176	8/3/09	0:52:25
8	366.4	CO2		805024	Carbonate	P-8176	8/3/09	0:52:25
9	416.2	CO2		805024	Carbonate	P-8176	8/3/09	0:52:25
10	466.3	CO2		805024	Carbonate	P-8176	8/3/09	0:52:25
11	516.4	CO2		805024	Carbonate	P-8176	8/3/09	0:52:25
12	566.4	CO2		805024	Carbonate	P-8176	8/3/09	0:52:25
13	616.3	CO2		805024	Carbonate	P-8176	8/3/09	0:52:25
4	166.2	CO2		808007	Carbonate	P-8177	8/3/09	1:07:20
5	216.3	CO2		808007	Carbonate	P-8177	8/3/09	1:07:20
6	266.4	CO2		808007	Carbonate	P-8177	8/3/09	1:07:20

7	316.4	CO2		808007	Carbonate	P-8177	8/3/09	1:07:20
8	366.5	CO2		808007	Carbonate	P-8177	8/3/09	1:07:20
9	416.6	CO2		808007	Carbonate	P-8177	8/3/09	1:07:20
10	466.6	CO2		808007	Carbonate	P-8177	8/3/09	1:07:20
11	516.7	CO2		808007	Carbonate	P-8177	8/3/09	1:07:20
12	566.5	CO2		808007	Carbonate	P-8177	8/3/09	1:07:20
13	616.6	CO2		808007	Carbonate	P-8177	8/3/09	1:07:20
4	167	CO2	0805007A		Carbonate	P-8178	8/3/09	1:22:16
5	217.2	CO2	0805007A		Carbonate	P-8178	8/3/09	1:22:16
6	267.2	CO2	0805007A		Carbonate	P-8178	8/3/09	1:22:16
7	317.2	CO2	0805007A		Carbonate	P-8178	8/3/09	1:22:16
8	367.2	CO2	0805007A		Carbonate	P-8178	8/3/09	1:22:16
9	417.3	CO2	0805007A		Carbonate	P-8178	8/3/09	1:22:16
10	467	CO2	0805007A		Carbonate	P-8178	8/3/09	1:22:16
11	517.1	CO2	0805007A		Carbonate	P-8178	8/3/09	1:22:16
12	567.2	CO2	0805007A		Carbonate	P-8178	8/3/09	1:22:16
13	617.2	CO2	0805007A		Carbonate	P-8178	8/3/09	1:22:16
4	166.2	CO2		805047	Carbonate	P-8179	8/3/09	1:37:11
5	216.3	CO2		805047	Carbonate	P-8179	8/3/09	1:37:11
6	266.4	CO2		805047	Carbonate	P-8179	8/3/09	1:37:11
7	316.4	CO2		805047	Carbonate	P-8179	8/3/09	1:37:11
8	366.5	CO2		805047	Carbonate	P-8179	8/3/09	1:37:11
9	416.5	CO2		805047	Carbonate	P-8179	8/3/09	1:37:11
10	466.6	CO2		805047	Carbonate	P-8179	8/3/09	1:37:11
11	516.7	CO2		805047	Carbonate	P-8179	8/3/09	1:37:11
12	566.5	CO2		805047	Carbonate	P-8179	8/3/09	1:37:11
13	616.6	CO2		805047	Carbonate	P-8179	8/3/09	1:37:11
4	166.5	CO2	0808002A		Carbonate	P-8180	8/3/09	1:52:06
5	216.5	CO2	0808002A		Carbonate	P-8180	8/3/09	1:52:06
6	266.6	CO2	0808002A		Carbonate	P-8180	8/3/09	1:52:06
7	316.6	CO2	0808002A		Carbonate	P-8180	8/3/09	1:52:06
8	366.7	CO2	0808002A		Carbonate	P-8180	8/3/09	1:52:06
9	416.5	CO2	0808002A		Carbonate	P-8180	8/3/09	1:52:06
10	466.6	CO2	0808002A		Carbonate	P-8180	8/3/09	1:52:06
11	516.7	CO2	0808002A		Carbonate	P-8180	8/3/09	1:52:06
12	566.7	CO2	0808002A		Carbonate	P-8180	8/3/09	1:52:06
13	616.5	CO2	0808002A		Carbonate	P-8180	8/3/09	1:52:06
4	166.2	CO2	NBS-19-2		Carbonate	P-8181	8/3/09	2:07:01
5	216.2	CO2	NBS-19-2		Carbonate	P-8181	8/3/09	2:07:01
6	266.2	CO2	NBS-19-2		Carbonate	P-8181	8/3/09	2:07:01
7	316.3	CO2	NBS-19-2		Carbonate	P-8181	8/3/09	2:07:01
8	366.3	CO2	NBS-19-2		Carbonate	P-8181	8/3/09	2:07:01
9	416.3	CO2	NBS-19-2		Carbonate	P-8181	8/3/09	2:07:01
10	466.3	CO2	NBS-19-2		Carbonate	P-8181	8/3/09	2:07:01
11	516.9	CO2	NBS-19-2		Carbonate	P-8181	8/3/09	2:07:01
12	566.4	CO2	NBS-19-2		Carbonate	P-8181	8/3/09	2:07:01
13	616.4	CO2	NBS-19-2		Carbonate	P-8181	8/3/09	2:07:01
4	166.7	CO2	0808002AD		Carbonate	P-8182	8/3/09	2:21:56
5	216.8	CO2	0808002AD		Carbonate	P-8182	8/3/09	2:21:56

6	266.6	CO2	0808002AD		Carbonate	P-8182	8/3/09	2:21:56
7	316.7	CO2	0808002AD		Carbonate	P-8182	8/3/09	2:21:56
8	366.8	CO2	0808002AD		Carbonate	P-8182	8/3/09	2:21:56
9	416.9	CO2	0808002AD		Carbonate	P-8182	8/3/09	2:21:56
10	467	CO2	0808002AD		Carbonate	P-8182	8/3/09	2:21:56
11	516.8	CO2	0808002AD		Carbonate	P-8182	8/3/09	2:21:56
12	566.9	CO2	0808002AD		Carbonate	P-8182	8/3/09	2:21:56
13	616.8	CO2	0808002AD		Carbonate	P-8182	8/3/09	2:21:56
4	166.5	CO2		808010	Carbonate	P-8183	8/3/09	2:36:52
5	216.5	CO2		808010	Carbonate	P-8183	8/3/09	2:36:52
6	266.6	CO2		808010	Carbonate	P-8183	8/3/09	2:36:52
7	316.7	CO2		808010	Carbonate	P-8183	8/3/09	2:36:52
8	366.7	CO2		808010	Carbonate	P-8183	8/3/09	2:36:52
9	416.8	CO2		808010	Carbonate	P-8183	8/3/09	2:36:52
10	466.9	CO2		808010	Carbonate	P-8183	8/3/09	2:36:52
11	517	CO2		808010	Carbonate	P-8183	8/3/09	2:36:52
12	566.8	CO2		808010	Carbonate	P-8183	8/3/09	2:36:52
13	616.9	CO2		808010	Carbonate	P-8183	8/3/09	2:36:52
4	166.5	CO2		805063	Carbonate	P-8184	8/3/09	2:51:49
5	216.5	CO2		805063	Carbonate	P-8184	8/3/09	2:51:49
6	266.6	CO2		805063	Carbonate	P-8184	8/3/09	2:51:49
7	316.6	CO2		805063	Carbonate	P-8184	8/3/09	2:51:49
8	366.7	CO2		805063	Carbonate	P-8184	8/3/09	2:51:49
9	416.8	CO2		805063	Carbonate	P-8184	8/3/09	2:51:49
10	466.8	CO2		805063	Carbonate	P-8184	8/3/09	2:51:49
11	516.9	CO2		805063	Carbonate	P-8184	8/3/09	2:51:49
12	566.7	CO2		805063	Carbonate	P-8184	8/3/09	2:51:49
13	616.8	CO2		805063	Carbonate	P-8184	8/3/09	2:51:49
4	166.5	CO2		805021	Carbonate	P-8185	8/3/09	3:06:46
5	216.6	CO2		805021	Carbonate	P-8185	8/3/09	3:06:46
6	266.6	CO2		805021	Carbonate	P-8185	8/3/09	3:06:46
7	316.7	CO2		805021	Carbonate	P-8185	8/3/09	3:06:46
8	366.8	CO2		805021	Carbonate	P-8185	8/3/09	3:06:46
9	416.8	CO2		805021	Carbonate	P-8185	8/3/09	3:06:46
10	466.9	CO2		805021	Carbonate	P-8185	8/3/09	3:06:46
11	517	CO2		805021	Carbonate	P-8185	8/3/09	3:06:46
12	566.8	CO2		805021	Carbonate	P-8185	8/3/09	3:06:46
13	616.8	CO2		805021	Carbonate	P-8185	8/3/09	3:06:46
4	165.8	CO2		805004	Carbonate	P-8186	8/3/09	3:21:43
5	215.9	CO2		805004	Carbonate	P-8186	8/3/09	3:21:43
6	266	CO2		805004	Carbonate	P-8186	8/3/09	3:21:43
7	316.1	CO2		805004	Carbonate	P-8186	8/3/09	3:21:43
8	366.1	CO2		805004	Carbonate	P-8186	8/3/09	3:21:43
9	416.3	CO2		805004	Carbonate	P-8186	8/3/09	3:21:43
10	466.2	CO2		805004	Carbonate	P-8186	8/3/09	3:21:43
11	516.2	CO2		805004	Carbonate	P-8186	8/3/09	3:21:43
12	566.5	CO2		805004	Carbonate	P-8186	8/3/09	3:21:43
13	616.2	CO2		805004	Carbonate	P-8186	8/3/09	3:21:43
4	166.4	CO2	0805063D		Carbonate	P-8187	8/3/09	3:36:37

5	216.5	CO2	0805063D		Carbonate	P-8187	8/3/09	3:36:37
6	266.5	CO2	0805063D		Carbonate	P-8187	8/3/09	3:36:37
7	316.6	CO2	0805063D		Carbonate	P-8187	8/3/09	3:36:37
8	366.6	CO2	0805063D		Carbonate	P-8187	8/3/09	3:36:37
9	416.6	CO2	0805063D		Carbonate	P-8187	8/3/09	3:36:37
10	466.7	CO2	0805063D		Carbonate	P-8187	8/3/09	3:36:37
11	516.7	CO2	0805063D		Carbonate	P-8187	8/3/09	3:36:37
12	566.5	CO2	0805063D		Carbonate	P-8187	8/3/09	3:36:37
13	616.6	CO2	0805063D		Carbonate	P-8187	8/3/09	3:36:37
4	166.5	CO2	CRNST-2		Carbonate	P-8188	8/3/09	3:51:33
5	216.6	CO2	CRNST-2		Carbonate	P-8188	8/3/09	3:51:33
6	266.6	CO2	CRNST-2		Carbonate	P-8188	8/3/09	3:51:33
7	316.7	CO2	CRNST-2		Carbonate	P-8188	8/3/09	3:51:33
8	366.8	CO2	CRNST-2		Carbonate	P-8188	8/3/09	3:51:33
9	416.8	CO2	CRNST-2		Carbonate	P-8188	8/3/09	3:51:33
10	466.7	CO2	CRNST-2		Carbonate	P-8188	8/3/09	3:51:33
11	516.8	CO2	CRNST-2		Carbonate	P-8188	8/3/09	3:51:33
12	566.8	CO2	CRNST-2		Carbonate	P-8188	8/3/09	3:51:33
13	616.7	CO2	CRNST-2		Carbonate	P-8188	8/3/09	3:51:33
4	166.5	CO2	CRNST-3		Carbonate	P-8189	8/3/09	4:06:31
5	216.5	CO2	CRNST-3		Carbonate	P-8189	8/3/09	4:06:31
6	266.6	CO2	CRNST-3		Carbonate	P-8189	8/3/09	4:06:31
7	316.6	CO2	CRNST-3		Carbonate	P-8189	8/3/09	4:06:31
8	366.7	CO2	CRNST-3		Carbonate	P-8189	8/3/09	4:06:31
9	416.7	CO2	CRNST-3		Carbonate	P-8189	8/3/09	4:06:31
10	466.8	CO2	CRNST-3		Carbonate	P-8189	8/3/09	4:06:31
11	516.8	CO2	CRNST-3		Carbonate	P-8189	8/3/09	4:06:31
12	566.7	CO2	CRNST-3		Carbonate	P-8189	8/3/09	4:06:31
13	616.7	CO2	CRNST-3		Carbonate	P-8189	8/3/09	4:06:31
4	166.5	CO2		808009	Carbonate	P-8190	8/3/09	4:21:28
5	216.5	CO2		808009	Carbonate	P-8190	8/3/09	4:21:28
6	266.6	CO2		808009	Carbonate	P-8190	8/3/09	4:21:28
7	316.6	CO2		808009	Carbonate	P-8190	8/3/09	4:21:28
8	366.7	CO2		808009	Carbonate	P-8190	8/3/09	4:21:28
9	416.8	CO2		808009	Carbonate	P-8190	8/3/09	4:21:28
10	466.9	CO2		808009	Carbonate	P-8190	8/3/09	4:21:28
11	516.9	CO2		808009	Carbonate	P-8190	8/3/09	4:21:28
12	566.8	CO2		808009	Carbonate	P-8190	8/3/09	4:21:28
13	616.8	CO2		808009	Carbonate	P-8190	8/3/09	4:21:28
4	166.5	CO2	0805039A		Carbonate	P-8191	8/3/09	4:36:25
5	216.5	CO2	0805039A		Carbonate	P-8191	8/3/09	4:36:25
6	266.6	CO2	0805039A		Carbonate	P-8191	8/3/09	4:36:25
7	316.6	CO2	0805039A		Carbonate	P-8191	8/3/09	4:36:25
8	366.7	CO2	0805039A		Carbonate	P-8191	8/3/09	4:36:25
9	416.8	CO2	0805039A		Carbonate	P-8191	8/3/09	4:36:25
10	466.9	CO2	0805039A		Carbonate	P-8191	8/3/09	4:36:25
11	516.7	CO2	0805039A		Carbonate	P-8191	8/3/09	4:36:25
12	566.8	CO2	0805039A		Carbonate	P-8191	8/3/09	4:36:25
13	616.9	CO2	0805039A		Carbonate	P-8191	8/3/09	4:36:25

4	166	CO2	WSU Std A-4		Carbonate	P-8192	8/3/09	4:51:23
5	215.9	CO2	WSU Std A-4		Carbonate	P-8192	8/3/09	4:51:23
6	266.2	CO2	WSU Std A-4		Carbonate	P-8192	8/3/09	4:51:23
7	316.1	CO2	WSU Std A-4		Carbonate	P-8192	8/3/09	4:51:23
8	366.1	CO2	WSU Std A-4		Carbonate	P-8192	8/3/09	4:51:23
9	416.1	CO2	WSU Std A-4		Carbonate	P-8192	8/3/09	4:51:23
10	466.3	CO2	WSU Std A-4		Carbonate	P-8192	8/3/09	4:51:23
11	516.3	CO2	WSU Std A-4		Carbonate	P-8192	8/3/09	4:51:23
12	566.3	CO2	WSU Std A-4		Carbonate	P-8192	8/3/09	4:51:23
13	616.3	CO2	WSU Std A-4		Carbonate	P-8192	8/3/09	4:51:23
4	166.2	CO2	0805062A		Carbonate	P-8193	8/3/09	5:06:19
5	216.5	CO2	0805062A		Carbonate	P-8193	8/3/09	5:06:19
6	266.5	CO2	0805062A		Carbonate	P-8193	8/3/09	5:06:19
7	316.5	CO2	0805062A		Carbonate	P-8193	8/3/09	5:06:19
8	366.6	CO2	0805062A		Carbonate	P-8193	8/3/09	5:06:19
9	416.6	CO2	0805062A		Carbonate	P-8193	8/3/09	5:06:19
10	466.6	CO2	0805062A		Carbonate	P-8193	8/3/09	5:06:19
11	516.7	CO2	0805062A		Carbonate	P-8193	8/3/09	5:06:19
12	566.7	CO2	0805062A		Carbonate	P-8193	8/3/09	5:06:19
13	616.5	CO2	0805062A		Carbonate	P-8193	8/3/09	5:06:19
4	166.7	CO2		808003	Carbonate	P-8194	8/3/09	5:21:16
5	216.8	CO2		808003	Carbonate	P-8194	8/3/09	5:21:16
6	266.9	CO2		808003	Carbonate	P-8194	8/3/09	5:21:16
7	316.7	CO2		808003	Carbonate	P-8194	8/3/09	5:21:16
8	366.8	CO2		808003	Carbonate	P-8194	8/3/09	5:21:16
9	416.9	CO2		808003	Carbonate	P-8194	8/3/09	5:21:16
10	467	CO2		808003	Carbonate	P-8194	8/3/09	5:21:16
11	517	CO2		808003	Carbonate	P-8194	8/3/09	5:21:16
12	566.9	CO2		808003	Carbonate	P-8194	8/3/09	5:21:16
13	617	CO2		808003	Carbonate	P-8194	8/3/09	5:21:16
4	166.5	CO2		805009	Carbonate	P-8195	8/3/09	5:36:14
5	216.5	CO2		805009	Carbonate	P-8195	8/3/09	5:36:14
6	266.6	CO2		805009	Carbonate	P-8195	8/3/09	5:36:14
7	316.6	CO2		805009	Carbonate	P-8195	8/3/09	5:36:14
8	366.7	CO2		805009	Carbonate	P-8195	8/3/09	5:36:14
9	416.7	CO2		805009	Carbonate	P-8195	8/3/09	5:36:14
10	466.8	CO2		805009	Carbonate	P-8195	8/3/09	5:36:14
11	516.8	CO2		805009	Carbonate	P-8195	8/3/09	5:36:14
12	566.6	CO2		805009	Carbonate	P-8195	8/3/09	5:36:14
13	616.7	CO2		805009	Carbonate	P-8195	8/3/09	5:36:14
4	166.5	CO2		805044	Carbonate	P-8196	8/3/09	5:51:11
5	216.5	CO2		805044	Carbonate	P-8196	8/3/09	5:51:11
6	266.5	CO2		805044	Carbonate	P-8196	8/3/09	5:51:11
7	316.6	CO2		805044	Carbonate	P-8196	8/3/09	5:51:11
8	366.6	CO2		805044	Carbonate	P-8196	8/3/09	5:51:11
9	417.7	CO2		805044	Carbonate	P-8196	8/3/09	5:51:11
10	466.7	CO2		805044	Carbonate	P-8196	8/3/09	5:51:11
11	516.7	CO2		805044	Carbonate	P-8196	8/3/09	5:51:11
12	566.8	CO2		805044	Carbonate	P-8196	8/3/09	5:51:11

13	616.6	CO2		805044	Carbonate	P-8196	8/3/09	5:51:11
4	166.5	CO2	0805007B		Carbonate	P-8197	8/3/09	6:06:09
5	216.5	CO2	0805007B		Carbonate	P-8197	8/3/09	6:06:09
6	266.5	CO2	0805007B		Carbonate	P-8197	8/3/09	6:06:09
7	316.6	CO2	0805007B		Carbonate	P-8197	8/3/09	6:06:09
8	366.6	CO2	0805007B		Carbonate	P-8197	8/3/09	6:06:09
9	416.6	CO2	0805007B		Carbonate	P-8197	8/3/09	6:06:09
10	466.7	CO2	0805007B		Carbonate	P-8197	8/3/09	6:06:09
11	516.7	CO2	0805007B		Carbonate	P-8197	8/3/09	6:06:09
12	566.8	CO2	0805007B		Carbonate	P-8197	8/3/09	6:06:09
13	616.8	CO2	0805007B		Carbonate	P-8197	8/3/09	6:06:09
4	166.7	CO2		805041	Carbonate	P-8198	8/3/09	6:21:06
5	216.8	CO2		805041	Carbonate	P-8198	8/3/09	6:21:06
6	266.9	CO2		805041	Carbonate	P-8198	8/3/09	6:21:06
7	317	CO2		805041	Carbonate	P-8198	8/3/09	6:21:06
8	367	CO2		805041	Carbonate	P-8198	8/3/09	6:21:06
9	416.9	CO2		805041	Carbonate	P-8198	8/3/09	6:21:06
10	466.9	CO2		805041	Carbonate	P-8198	8/3/09	6:21:06
11	517	CO2		805041	Carbonate	P-8198	8/3/09	6:21:06
12	567.1	CO2		805041	Carbonate	P-8198	8/3/09	6:21:06
13	616.9	CO2		805041	Carbonate	P-8198	8/3/09	6:21:06
4	166.5	CO2	0805041D		Carbonate	P-8199	8/3/09	6:36:01
5	216.5	CO2	0805041D		Carbonate	P-8199	8/3/09	6:36:01
6	266.8	CO2	0805041D		Carbonate	P-8199	8/3/09	6:36:01
7	316.8	CO2	0805041D		Carbonate	P-8199	8/3/09	6:36:01
8	366.8	CO2	0805041D		Carbonate	P-8199	8/3/09	6:36:01
9	416.9	CO2	0805041D		Carbonate	P-8199	8/3/09	6:36:01
10	466.9	CO2	0805041D		Carbonate	P-8199	8/3/09	6:36:01
11	517	CO2	0805041D		Carbonate	P-8199	8/3/09	6:36:01
12	566.7	CO2	0805041D		Carbonate	P-8199	8/3/09	6:36:01
13	616.8	CO2	0805041D		Carbonate	P-8199	8/3/09	6:36:01
4	166.7	CO2		805046	Carbonate	P-8200	8/3/09	6:50:56
5	216.8	CO2		805046	Carbonate	P-8200	8/3/09	6:50:56
6	266.8	CO2		805046	Carbonate	P-8200	8/3/09	6:50:56
7	316.9	CO2		805046	Carbonate	P-8200	8/3/09	6:50:56
8	366.9	CO2		805046	Carbonate	P-8200	8/3/09	6:50:56
9	417	CO2		805046	Carbonate	P-8200	8/3/09	6:50:56
10	467	CO2		805046	Carbonate	P-8200	8/3/09	6:50:56
11	517.1	CO2		805046	Carbonate	P-8200	8/3/09	6:50:56
12	566.9	CO2		805046	Carbonate	P-8200	8/3/09	6:50:56
13	616.9	CO2		805046	Carbonate	P-8200	8/3/09	6:50:56
4	167	CO2		805024	Carbonate	P-8202	8/3/09	7:20:45
5	217.1	CO2		805024	Carbonate	P-8202	8/3/09	7:20:45
6	267.2	CO2		805024	Carbonate	P-8202	8/3/09	7:20:45
7	317	CO2		805024	Carbonate	P-8202	8/3/09	7:20:45
8	367.1	CO2		805024	Carbonate	P-8202	8/3/09	7:20:45
9	417.5	CO2		805024	Carbonate	P-8202	8/3/09	7:20:45
10	467.3	CO2		805024	Carbonate	P-8202	8/3/09	7:20:45
11	517.1	CO2		805024	Carbonate	P-8202	8/3/09	7:20:45

12	567.5	CO2		805024	Carbonate	P-8202	8/3/09	7:20:45
13	617.1	CO2		805024	Carbonate	P-8202	8/3/09	7:20:45
4	166.7	CO2	WSU Std-5		Carbonate	P-8203	8/3/09	7:35:41
5	216.8	CO2	WSU Std-5		Carbonate	P-8203	8/3/09	7:35:41
6	266.8	CO2	WSU Std-5		Carbonate	P-8203	8/3/09	7:35:41
7	316.8	CO2	WSU Std-5		Carbonate	P-8203	8/3/09	7:35:41
8	366.9	CO2	WSU Std-5		Carbonate	P-8203	8/3/09	7:35:41
9	416.9	CO2	WSU Std-5		Carbonate	P-8203	8/3/09	7:35:41
10	467	CO2	WSU Std-5		Carbonate	P-8203	8/3/09	7:35:41
11	517.3	CO2	WSU Std-5		Carbonate	P-8203	8/3/09	7:35:41
12	567	CO2	WSU Std-5		Carbonate	P-8203	8/3/09	7:35:41
13	616.8	CO2	WSU Std-5		Carbonate	P-8203	8/3/09	7:35:41
4	166.7	CO2		805001	Carbonate	P-8204	8/3/09	7:50:36
5	216.8	CO2		805001	Carbonate	P-8204	8/3/09	7:50:36
6	266.9	CO2		805001	Carbonate	P-8204	8/3/09	7:50:36
7	316.9	CO2		805001	Carbonate	P-8204	8/3/09	7:50:36
8	367	CO2		805001	Carbonate	P-8204	8/3/09	7:50:36
9	417.3	CO2		805001	Carbonate	P-8204	8/3/09	7:50:36
10	467.1	CO2		805001	Carbonate	P-8204	8/3/09	7:50:36
11	517.2	CO2		805001	Carbonate	P-8204	8/3/09	7:50:36
12	567	CO2		805001	Carbonate	P-8204	8/3/09	7:50:36
13	617.1	CO2		805001	Carbonate	P-8204	8/3/09	7:50:36
4	166.7	CO2		805002	Carbonate	P-8205	8/3/09	8:05:32
5	218.6	CO2		805002	Carbonate	P-8205	8/3/09	8:05:32
6	266.8	CO2		805002	Carbonate	P-8205	8/3/09	8:05:32
7	316.8	CO2		805002	Carbonate	P-8205	8/3/09	8:05:32
8	366.9	CO2		805002	Carbonate	P-8205	8/3/09	8:05:32
9	416.9	CO2		805002	Carbonate	P-8205	8/3/09	8:05:32
10	467	CO2		805002	Carbonate	P-8205	8/3/09	8:05:32
11	517	CO2		805002	Carbonate	P-8205	8/3/09	8:05:32
12	567.1	CO2		805002	Carbonate	P-8205	8/3/09	8:05:32
13	616.9	CO2		805002	Carbonate	P-8205	8/3/09	8:05:32
4	166.5	CO2		805010	Carbonate	P-8206	8/3/09	8:20:27
5	216.7	CO2		805010	Carbonate	P-8206	8/3/09	8:20:27
6	266.7	CO2		805010	Carbonate	P-8206	8/3/09	8:20:27
7	316.8	CO2		805010	Carbonate	P-8206	8/3/09	8:20:27
8	366.8	CO2		805010	Carbonate	P-8206	8/3/09	8:20:27
9	416.8	CO2		805010	Carbonate	P-8206	8/3/09	8:20:27
10	466.8	CO2		805010	Carbonate	P-8206	8/3/09	8:20:27
11	517.1	CO2		805010	Carbonate	P-8206	8/3/09	8:20:27
12	566.9	CO2		805010	Carbonate	P-8206	8/3/09	8:20:27
13	616.9	CO2		805010	Carbonate	P-8206	8/3/09	8:20:27
4	166.7	CO2		805014	Carbonate	P-8207	8/3/09	8:35:22
5	216.8	CO2		805014	Carbonate	P-8207	8/3/09	8:35:22
6	266.8	CO2		805014	Carbonate	P-8207	8/3/09	8:35:22
7	316.8	CO2		805014	Carbonate	P-8207	8/3/09	8:35:22
8	366.9	CO2		805014	Carbonate	P-8207	8/3/09	8:35:22
9	416.9	CO2		805014	Carbonate	P-8207	8/3/09	8:35:22
10	467	CO2		805014	Carbonate	P-8207	8/3/09	8:35:22

11	517	CO2		805014	Carbonate	P-8207	8/3/09	8:35:22
12	567.1	CO2		805014	Carbonate	P-8207	8/3/09	8:35:22
13	616.9	CO2		805014	Carbonate	P-8207	8/3/09	8:35:22
4	166.7	CO2	0805062B		Carbonate	P-8208	8/3/09	8:50:18
5	216.8	CO2	0805062B		Carbonate	P-8208	8/3/09	8:50:18
6	266.8	CO2	0805062B		Carbonate	P-8208	8/3/09	8:50:18
7	316.8	CO2	0805062B		Carbonate	P-8208	8/3/09	8:50:18
8	366.9	CO2	0805062B		Carbonate	P-8208	8/3/09	8:50:18
9	416.9	CO2	0805062B		Carbonate	P-8208	8/3/09	8:50:18
10	467	CO2	0805062B		Carbonate	P-8208	8/3/09	8:50:18
11	517	CO2	0805062B		Carbonate	P-8208	8/3/09	8:50:18
12	566.8	CO2	0805062B		Carbonate	P-8208	8/3/09	8:50:18
13	616.9	CO2	0805062B		Carbonate	P-8208	8/3/09	8:50:18
4	166.7	CO2		505013	Carbonate	P-8209	8/3/09	9:05:13
5	216.8	CO2		505013	Carbonate	P-8209	8/3/09	9:05:13
6	266.8	CO2		505013	Carbonate	P-8209	8/3/09	9:05:13
7	316.8	CO2		505013	Carbonate	P-8209	8/3/09	9:05:13
8	366.9	CO2		505013	Carbonate	P-8209	8/3/09	9:05:13
9	416.9	CO2		505013	Carbonate	P-8209	8/3/09	9:05:13
10	467	CO2		505013	Carbonate	P-8209	8/3/09	9:05:13
11	517	CO2		505013	Carbonate	P-8209	8/3/09	9:05:13
12	567.1	CO2		505013	Carbonate	P-8209	8/3/09	9:05:13
13	616.9	CO2		505013	Carbonate	P-8209	8/3/09	9:05:13
4	166.7	CO2		805034	Carbonate	P-8210	8/3/09	9:20:08
5	216.8	CO2		805034	Carbonate	P-8210	8/3/09	9:20:08
6	266.8	CO2		805034	Carbonate	P-8210	8/3/09	9:20:08
7	316.9	CO2		805034	Carbonate	P-8210	8/3/09	9:20:08
8	366.9	CO2		805034	Carbonate	P-8210	8/3/09	9:20:08
9	417	CO2		805034	Carbonate	P-8210	8/3/09	9:20:08
10	466.8	CO2		805034	Carbonate	P-8210	8/3/09	9:20:08
11	516.8	CO2		805034	Carbonate	P-8210	8/3/09	9:20:08
12	566.9	CO2		805034	Carbonate	P-8210	8/3/09	9:20:08
13	616.7	CO2		805034	Carbonate	P-8210	8/3/09	9:20:08
4	166.7	CO2	0805034D		Carbonate	P-8211	8/3/09	9:35:06
5	216.8	CO2	0805034D		Carbonate	P-8211	8/3/09	9:35:06
6	266.8	CO2	0805034D		Carbonate	P-8211	8/3/09	9:35:06
7	316.9	CO2	0805034D		Carbonate	P-8211	8/3/09	9:35:06
8	366.7	CO2	0805034D		Carbonate	P-8211	8/3/09	9:35:06
9	416.7	CO2	0805034D		Carbonate	P-8211	8/3/09	9:35:06
10	466.8	CO2	0805034D		Carbonate	P-8211	8/3/09	9:35:06
11	516.8	CO2	0805034D		Carbonate	P-8211	8/3/09	9:35:06
12	566.9	CO2	0805034D		Carbonate	P-8211	8/3/09	9:35:06
13	616.7	CO2	0805034D		Carbonate	P-8211	8/3/09	9:35:06
4	166.2	CO2		805012	Carbonate	P-8212	8/3/09	9:50:03
5	216.5	CO2		805012	Carbonate	P-8212	8/3/09	9:50:03
6	266.5	CO2		805012	Carbonate	P-8212	8/3/09	9:50:03
7	316.5	CO2		805012	Carbonate	P-8212	8/3/09	9:50:03
8	366.5	CO2		805012	Carbonate	P-8212	8/3/09	9:50:03
9	416.5	CO2		805012	Carbonate	P-8212	8/3/09	9:50:03

10	466.5	CO2		805012	Carbonate	P-8212	8/3/09	9:50:03
11	516.8	CO2		805012	Carbonate	P-8212	8/3/09	9:50:03
12	566.6	CO2		805012	Carbonate	P-8212	8/3/09	9:50:03
13	616.7	CO2		805012	Carbonate	P-8212	8/3/09	9:50:03
4	166.7	CO2		805064	Carbonate	P-8213	8/3/09	10:05:01
5	216.8	CO2		805064	Carbonate	P-8213	8/3/09	10:05:01
6	266.9	CO2		805064	Carbonate	P-8213	8/3/09	10:05:01
7	318.8	CO2		805064	Carbonate	P-8213	8/3/09	10:05:01
8	366.8	CO2		805064	Carbonate	P-8213	8/3/09	10:05:01
9	416.9	CO2		805064	Carbonate	P-8213	8/3/09	10:05:01
10	467	CO2		805064	Carbonate	P-8213	8/3/09	10:05:01
11	517	CO2		805064	Carbonate	P-8213	8/3/09	10:05:01
12	566.9	CO2		805064	Carbonate	P-8213	8/3/09	10:05:01
13	617	CO2		805064	Carbonate	P-8213	8/3/09	10:05:01
4	166.2	CO2	WSU Std-6		Carbonate	P-8214	8/3/09	10:19:57
5	216.2	CO2	WSU Std-6		Carbonate	P-8214	8/3/09	10:19:57
6	266.5	CO2	WSU Std-6		Carbonate	P-8214	8/3/09	10:19:57
7	316.5	CO2	WSU Std-6		Carbonate	P-8214	8/3/09	10:19:57
8	366.6	CO2	WSU Std-6		Carbonate	P-8214	8/3/09	10:19:57
9	416.6	CO2	WSU Std-6		Carbonate	P-8214	8/3/09	10:19:57
10	466.7	CO2	WSU Std-6		Carbonate	P-8214	8/3/09	10:19:57
11	516.7	CO2	WSU Std-6		Carbonate	P-8214	8/3/09	10:19:57
12	566.5	CO2	WSU Std-6		Carbonate	P-8214	8/3/09	10:19:57
13	616.6	CO2	WSU Std-6		Carbonate	P-8214	8/3/09	10:19:57
4	166.9	CO2	0805039B		Carbonate	P-8215	8/3/09	10:34:54
5	217	CO2	0805039B		Carbonate	P-8215	8/3/09	10:34:54
6	266.8	CO2	0805039B		Carbonate	P-8215	8/3/09	10:34:54
7	316.9	CO2	0805039B		Carbonate	P-8215	8/3/09	10:34:54
8	367	CO2	0805039B		Carbonate	P-8215	8/3/09	10:34:54
9	417.1	CO2	0805039B		Carbonate	P-8215	8/3/09	10:34:54
10	466.9	CO2	0805039B		Carbonate	P-8215	8/3/09	10:34:54
11	517	CO2	0805039B		Carbonate	P-8215	8/3/09	10:34:54
12	567.1	CO2	0805039B		Carbonate	P-8215	8/3/09	10:34:54
13	617	CO2	0805039B		Carbonate	P-8215	8/3/09	10:34:54
4	166.5	CO2		805036	Carbonate	P-8216	8/3/09	10:49:52
5	216.5	CO2		805036	Carbonate	P-8216	8/3/09	10:49:52
6	266.3	CO2		805036	Carbonate	P-8216	8/3/09	10:49:52
7	316.4	CO2		805036	Carbonate	P-8216	8/3/09	10:49:52
8	366.4	CO2		805036	Carbonate	P-8216	8/3/09	10:49:52
9	416.5	CO2		805036	Carbonate	P-8216	8/3/09	10:49:52
10	466.6	CO2		805036	Carbonate	P-8216	8/3/09	10:49:52
11	516.6	CO2		805036	Carbonate	P-8216	8/3/09	10:49:52
12	566.5	CO2		805036	Carbonate	P-8216	8/3/09	10:49:52
13	616.5	CO2		805036	Carbonate	P-8216	8/3/09	10:49:52
4	166.2	CO2		805032	Carbonate	P-8217	8/3/09	11:04:49
5	216.3	CO2		805032	Carbonate	P-8217	8/3/09	11:04:49
6	266.3	CO2		805032	Carbonate	P-8217	8/3/09	11:04:49
7	316.4	CO2		805032	Carbonate	P-8217	8/3/09	11:04:49
8	366.4	CO2		805032	Carbonate	P-8217	8/3/09	11:04:49

9	416.5	CO2		805032	Carbonate	P-8217	8/3/09	11:04:49
10	466.6	CO2		805032	Carbonate	P-8217	8/3/09	11:04:49
11	516.7	CO2		805032	Carbonate	P-8217	8/3/09	11:04:49
12	566.5	CO2		805032	Carbonate	P-8217	8/3/09	11:04:49
13	616.3	CO2		805032	Carbonate	P-8217	8/3/09	11:04:49
4	165.7	CO2		805028	Carbonate	P-8218	8/3/09	11:19:47
5	215.7	CO2		805028	Carbonate	P-8218	8/3/09	11:19:47
6	265.6	CO2		805028	Carbonate	P-8218	8/3/09	11:19:47
7	315.8	CO2		805028	Carbonate	P-8218	8/3/09	11:19:47
8	365.8	CO2		805028	Carbonate	P-8218	8/3/09	11:19:47
9	415.8	CO2		805028	Carbonate	P-8218	8/3/09	11:19:47
10	465.8	CO2		805028	Carbonate	P-8218	8/3/09	11:19:47
11	516	CO2		805028	Carbonate	P-8218	8/3/09	11:19:47
12	566	CO2		805028	Carbonate	P-8218	8/3/09	11:19:47
13	616	CO2		805028	Carbonate	P-8218	8/3/09	11:19:47
4	166.2	CO2		808004	Carbonate	P-8219	8/3/09	11:34:45
5	216.3	CO2		808004	Carbonate	P-8219	8/3/09	11:34:45
6	266.3	CO2		808004	Carbonate	P-8219	8/3/09	11:34:45
7	316.3	CO2		808004	Carbonate	P-8219	8/3/09	11:34:45
8	366.4	CO2		808004	Carbonate	P-8219	8/3/09	11:34:45
9	416.5	CO2		808004	Carbonate	P-8219	8/3/09	11:34:45
10	466.3	CO2		808004	Carbonate	P-8219	8/3/09	11:34:45
11	516.4	CO2		808004	Carbonate	P-8219	8/3/09	11:34:45
12	566.5	CO2		808004	Carbonate	P-8219	8/3/09	11:34:45
13	616.3	CO2		808004	Carbonate	P-8219	8/3/09	11:34:45
4	166.2	CO2		805011	Carbonate	P-8220	8/3/09	11:49:42
5	216.3	CO2		805011	Carbonate	P-8220	8/3/09	11:49:42
6	266.3	CO2		805011	Carbonate	P-8220	8/3/09	11:49:42
7	316.4	CO2		805011	Carbonate	P-8220	8/3/09	11:49:42
8	366.5	CO2		805011	Carbonate	P-8220	8/3/09	11:49:42
9	416.6	CO2		805011	Carbonate	P-8220	8/3/09	11:49:42
10	466.4	CO2		805011	Carbonate	P-8220	8/3/09	11:49:42
11	516.5	CO2		805011	Carbonate	P-8220	8/3/09	11:49:42
12	566.6	CO2		805011	Carbonate	P-8220	8/3/09	11:49:42
13	616.4	CO2		805011	Carbonate	P-8220	8/3/09	11:49:42
4	165.7	CO2	NBS-19-3		Carbonate	P-8222	8/3/09	12:19:36
5	216	CO2	NBS-19-3		Carbonate	P-8222	8/3/09	12:19:36
6	266	CO2	NBS-19-3		Carbonate	P-8222	8/3/09	12:19:36
7	316	CO2	NBS-19-3		Carbonate	P-8222	8/3/09	12:19:36
8	366	CO2	NBS-19-3		Carbonate	P-8222	8/3/09	12:19:36
9	416.1	CO2	NBS-19-3		Carbonate	P-8222	8/3/09	12:19:36
10	466.1	CO2	NBS-19-3		Carbonate	P-8222	8/3/09	12:19:36
11	516.2	CO2	NBS-19-3		Carbonate	P-8222	8/3/09	12:19:36
12	566.2	CO2	NBS-19-3		Carbonate	P-8222	8/3/09	12:19:36
13	616	CO2	NBS-19-3		Carbonate	P-8222	8/3/09	12:19:36

			average of	difference f
NBS-19 corrected		carbon	1.568567	0.381433
		oxygen	28.61944	-30.8194

BGD 44	Ampl. 44	BGD 45	Ampl. 45	BGD 46	Ampl. 46	d 18O/16(	correction (d	13C/12C
3.2	5880	3.6	6644	4.9	7936	14.54	4.78	-9.504
3.5	5699	4	6442	5.3	7689	14.466	4.706	-9.538
3.5	5524	4	6246	5.4	7454	14.595	4.835	-9.509
3.5	5346	4	6041	5.4	7214	14.49	4.73	-9.511
3.6	5177	4.1	5849	5.5	6987	14.495	4.735	-9.499
3.5	5013	4	5660	5.4	6767	14.493	4.733	-9.535
3.5	4848	4	5469	5.3	6544	14.558	4.798	-9.607
3.4	4684	4	5311	5.3	6320	14.487	4.727	-9.568
3.4	4535	3.9	5139	5.3	6116	14.598	4.838	-9.634
3.4	4401	3.9	4972	5.2	5937	14.677	4.917	-9.511
3.4	5836	3.9	6673	5.2	8062	38.286	28.526	1.988
3.7	5663	4.2	6474	5.6	7824	38.367	28.607	2.172
3.7	5474	4.3	6256	5.7	7564	38.479	28.719	2.101
3.7	5295	4.3	6049	5.6	7317	38.619	28.859	2.179
3.7	5124	4.2	5848	5.6	7081	38.581	28.821	2.1
3.6	4953	4.2	5668	5.6	6846	38.476	28.716	2.093
3.6	4788	4.2	5492	5.5	6614	38.544	28.784	2.078
3.6	4648	4.1	5326	5.5	6419	38.514	28.754	2.102
3.5	4502	4.1	5143	5.2	6221	38.744	28.984	2.065
3.5	4346	4	4984	5.4	6006	38.495	28.735	2.12
3.5	5087	3.9	5813	5.3	6988	32.095	22.335	-1.879
3.6	4914	4.1	5616	5.6	6752	32.173	22.413	-1.931
3.6	4758	4.1	5437	5.5	6534	32.158	22.398	-1.846
3.5	4610	4.1	5262	5.5	6327	32.109	22.349	-1.955
3.5	4459	4	5086	5.4	6121	32.229	22.469	-1.917
3.5	4315	4	4915	5.4	5924	32.162	22.402	-1.996
3.4	4176	4	4751	5.3	5734	32.198	22.438	-2.038
3.4	4036	3.9	4586	5.2	5544	32.312	22.552	-1.993
3.3	3907	3.9	4457	5.2	5363	32.132	22.372	-1.901
3.3	3780	3.8	4298	5.1	5190	32.118	22.358	-1.977
3.4	8715	3.9	9969	5.3	12077	42.123	32.363	-2.879
4.2	8462	4.8	9668	6.4	11740	42.223	32.463	-2.903
4.4	8233	5	9374	6.7	11420	42.305	32.545	-2.829
4.4	7991	5.1	9109	6.7	11083	42.369	32.609	-2.803
4.5	7749	5.1	8844	6.7	10744	42.365	32.605	-2.841
4.4	7502	5.1	8577	6.8	10399	42.427	32.667	-2.764
4.4	7280	5.1	8309	6.7	10100	42.392	32.632	-2.79
4.3	7059	5	8055	6.7	9787	42.406	32.646	-2.809
4.3	6835	5	7794	6.6	9484	42.424	32.664	-2.822
4.3	6618	5	7565	6.6	9174	42.382	32.622	-2.817
3.5	4743	4	5414	5.5	6654	53.771	44.011	-2.083
3.6	4580	4.1	5232	5.6	6426	53.849	44.089	-2.224
3.6	4438	4.1	5066	5.6	6220	53.871	44.111	-2.249
3.5	4300	4.1	4899	5.5	6029	54.077	44.317	-2.224
3.5	4161	4	4737	5.4	5836	53.975	44.215	-2.242
3.4	4021	4	4572	5.3	5640	54.119	44.359	-2.164
3.4	3887	3.9	4424	5.3	5453	54.028	44.268	-2.306
3.3	3756	3.9	4287	5.2	5270	54.044	44.284	-2.326

3.3	3641	3.8	4149	5.2	5105	54.027	44.267	-2.289
3.2	3517	3.8	4003	5.1	4935	54.051	44.291	-2.293
3.4	5207	3.9	5943	5.4	7146	31.739	21.979	-2.918
3.6	5048	4.1	5755	5.6	6928	31.851	22.091	-2.957
3.6	4888	4.1	5570	5.6	6708	31.781	22.021	-3.038
3.6	4731	4.1	5387	5.5	6494	31.95	22.19	-2.969
3.5	4579	4.1	5209	5.6	6286	31.883	22.123	-2.996
3.5	4432	4	5035	5.5	6087	31.943	22.183	-3.033
3.5	4281	4	4865	5.4	5880	31.892	22.132	-3.038
3.4	4140	3.9	4706	5.3	5687	31.984	22.224	-3.068
3.4	4005	3.9	4562	5.3	5498	32.022	22.262	-3.058
3.3	3876	3.8	4401	5.1	5323	32.06	22.3	-2.961
3.4	5917	3.9	6728	5.3	8148	34.829	25.069	-3.916
3.7	5730	4.2	6515	5.8	7891	34.833	25.073	-3.87
3.8	5547	4.3	6307	5.8	7638	34.836	25.076	-3.817
3.7	5372	4.3	6106	5.8	7398	34.889	25.129	-3.961
3.7	5197	4.3	5906	5.7	7157	34.969	25.209	-3.895
3.7	5031	4.3	5715	5.7	6931	34.906	25.146	-3.915
3.6	4872	4.2	5527	5.7	6711	34.966	25.206	-3.864
3.6	4706	4.2	5350	5.6	6484	35.006	25.246	-3.864
3.6	4553	4.1	5183	5.5	6269	34.963	25.203	-3.886
3.5	4408	4.1	5001	5.3	6074	35.239	25.479	-3.843
3.5	8715	3.9	9929	5.4	11984	32.57	22.81	-3.858
4.2	8473	4.8	9643	6.4	11648	32.724	22.964	-3.846
4.4	8224	5.1	9377	6.7	11302	32.818	23.058	-3.774
4.5	7964	5.1	9101	6.8	10943	32.849	23.089	-3.748
4.5	7748	5.2	8807	6.8	10654	32.861	23.101	-3.785
4.5	7515	5.2	8545	6.8	10333	32.802	23.042	-3.739
4.4	7285	5.1	8297	6.8	10014	32.849	23.089	-3.755
4.4	7048	5.1	8045	6.6	9684	32.965	23.205	-3.659
4.4	6845	5	7800	6.6	9409	32.869	23.109	-3.77
4.3	6636	5	7545	6.6	9123	32.875	23.115	-3.805
3.5	6187	4	7053	5.5	8497	32.241	22.481	-1.937
3.9	5991	4.4	6833	5.9	8228	32.268	22.508	-1.836
3.9	5799	4.5	6616	6	7966	32.243	22.483	-1.933
3.9	5613	4.5	6403	6	7709	32.331	22.571	-1.918
3.9	5436	4.5	6201	6	7466	32.284	22.524	-1.878
3.8	5261	4.4	6002	5.9	7226	32.337	22.577	-1.975
3.8	5090	4.3	5806	5.8	6991	32.305	22.545	-1.889
3.7	4927	4.3	5620	5.8	6767	32.305	22.545	-1.956
3.7	4772	4.3	5427	5.7	6557	32.291	22.531	-1.973
3.6	4603	4.2	5257	5.6	6327	32.347	22.587	-1.951
3.5	2764	3.9	3146	5.4	3819	38.355	28.595	-2.432
3.2	2674	3.7	3038	5.1	3696	38.178	28.418	-2.522
3.1	2612	3.6	2973	5	3611	37.861	28.101	-2.299
3	2525	3.5	2876	4.7	3487	38.095	28.335	-2.52
3	2441	3.5	2772	4.7	3372	37.964	28.204	-2.596
2.9	2354	3.4	2681	4.6	3255	38.13	28.37	-2.199
2.8	2279	3.3	2593	4.5	3148	38.04	28.28	-2.388

2.8	2202	3.2	2499	4.5	3043	38.13	28.37	-2.389
2.7	2124	3.2	2420	4.4	2933	38.193	28.433	-2.38
2.7	2056	3.1	2333	4.3	2841	38.237	28.477	-2.289
3.4	5227	3.9	5960	5.3	7187	33.461	23.701	-1.89
3.6	5062	4.1	5771	5.5	6960	33.59	23.83	-1.855
3.6	4902	4.1	5584	5.6	6743	33.628	23.868	-1.883
3.6	4741	4.1	5394	5.6	6523	33.704	23.944	-1.689
3.5	4586	4.1	5216	5.5	6310	33.744	23.984	-1.735
3.5	4435	4.1	5055	5.5	6099	33.81	24.05	-1.784
3.5	4281	4	4889	5.4	5886	33.819	24.059	-1.822
3.4	4148	4	4733	5.3	5704	33.789	24.029	-1.837
3.4	4016	3.9	4570	5.3	5524	33.819	24.059	-1.819
3.3	3878	3.9	4421	5.2	5337	33.892	24.132	-1.689
3.4	5271	3.9	6013	5.4	7245	32.972	23.212	-3.745
3.6	5100	4.2	5818	5.7	7014	33.016	23.256	-3.638
3.6	4939	4.2	5632	5.6	6788	33.098	23.338	-3.607
3.6	4788	4.2	5453	5.6	6582	33.148	23.388	-3.542
3.6	4639	4.1	5275	5.6	6377	33.134	23.374	-3.608
3.6	4485	4.1	5093	5.5	6168	33.101	23.341	-3.702
3.5	4336	4.1	4925	5.4	5965	33.15	23.39	-3.73
3.5	4187	4	4768	5.4	5760	33.198	23.438	-3.47
3.4	4056	4	4615	5.4	5576	33.163	23.403	-3.603
3.4	3923	3.9	4451	5.3	5396	33.153	23.393	-3.679
3.4	7727	3.9	8774	5.4	10429	14.396	4.636	-9.633
4	7510	4.6	8500	6.2	10145	14.571	4.811	-9.508
4.2	7289	4.8	8236	6.3	9845	14.599	4.839	-9.51
4.2	7069	4.8	7989	6.4	9547	14.501	4.741	-9.586
4.2	6855	4.8	7759	6.4	9257	14.53	4.77	-9.521
4.2	6645	4.8	7513	6.4	8973	14.406	4.646	-9.571
4.2	6441	4.8	7283	6.3	8697	14.501	4.741	-9.511
4.1	6226	4.7	7062	6.2	8403	14.608	4.848	-9.513
4.1	6038	4.8	6817	6.3	8155	14.451	4.691	-9.49
4.1	5837	4.7	6610	6.2	7887	14.537	4.777	-9.513
3.5	4709	4	5372	5.5	6473	32.944	23.184	-2.174
3.6	4557	4.1	5194	5.6	6266	33.09	23.33	-2.127
3.6	4408	4.1	5020	5.6	6063	33.11	23.35	-2.065
3.5	4261	4.1	4845	5.5	5861	33.152	23.392	-1.946
3.5	4119	4	4685	5.4	5669	33.316	23.556	-1.944
3.4	3987	4	4544	5.4	5482	33.189	23.429	-1.965
3.4	3851	3.9	4394	5.3	5294	33.083	23.323	-2.016
3.4	3728	3.9	4248	5.2	5127	33.183	23.423	-2.067
3.3	3603	3.8	4092	5.2	4956	33.037	23.277	-2.089
3.3	3482	3.8	3972	5.1	4787	33.056	23.296	-2.097
3.4	5886	3.9	6696	5.3	8104	34.046	24.286	-2.365
3.7	5702	4.3	6485	5.8	7851	34.151	24.391	-2.329
3.8	5542	4.3	6301	5.8	7631	34.019	24.259	-2.483
3.8	5420	4.4	6166	5.9	7460	33.58	23.82	-2.431
3.8	5246	4.4	5974	5.8	7221	33.736	23.976	-2.405
3.8	5076	4.4	5784	5.9	6988	33.541	23.781	-2.426

3.8	4912	4.3	5600	5.8	6762	33.642	23.882	-2.32
3.7	4751	4.3	5424	5.7	6541	33.575	23.815	-2.428
3.7	4606	4.3	5246	5.7	6337	33.562	23.802	-2.448
3.6	4452	4.2	5065	5.6	6128	33.729	23.969	-2.302
3.5	6263	4	7121	5.3	8619	34.16	24.4	-3.825
3.9	6061	4.4	6896	5.9	8342	34.123	24.363	-3.686
3.9	5870	4.5	6680	6	8078	34.343	24.583	-3.624
3.9	5682	4.5	6466	6	7817	34.203	24.443	-3.656
3.9	5497	4.5	6255	6	7564	34.248	24.488	-3.657
3.9	5320	4.5	6050	5.9	7322	34.235	24.475	-3.631
3.8	5147	4.4	5852	5.9	7083	34.233	24.473	-3.743
3.8	4978	4.4	5658	5.8	6852	34.245	24.485	-3.747
3.7	4812	4.3	5472	5.7	6624	34.258	24.498	-3.649
3.7	4653	4.3	5301	5.7	6401	34.186	24.426	-3.625
3.5	5810	4	6631	5.4	8005	35.79	26.03	-3.051
3.8	5631	4.3	6423	5.8	7759	35.915	26.155	-2.974
3.8	5455	4.4	6221	5.8	7517	35.962	26.202	-2.943
3.8	5282	4.4	6019	5.9	7280	35.955	26.195	-2.892
3.8	5114	4.3	5828	5.8	7049	35.985	26.225	-2.955
3.8	4946	4.3	5628	5.8	6821	35.952	26.192	-2.882
3.7	4794	4.3	5457	5.7	6609	35.926	26.166	-2.925
3.7	4640	4.2	5276	5.7	6397	36.017	26.257	-2.862
3.6	4482	4.2	5109	5.6	6182	36.106	26.346	-2.827
3.6	4343	4.2	4948	5.6	5986	35.835	26.075	-2.921
3.5	5695	3.9	6514	5.3	7835	33.082	23.322	-2.041
3.8	5509	4.3	6298	5.7	7570	33.271	23.511	-1.989
3.8	5335	4.3	6096	5.8	7331	33.368	23.608	-2.004
3.8	5167	4.4	5904	5.8	7102	33.323	23.563	-1.953
3.8	5000	4.3	5710	5.8	6874	33.298	23.538	-1.915
3.7	4851	4.3	5518	5.7	6672	33.215	23.455	-1.991
3.7	4687	4.3	5347	5.7	6444	33.319	23.559	-2.024
3.6	4539	4.2	5176	5.6	6240	33.298	23.538	-1.86
3.6	4385	4.1	4988	5.6	6031	33.146	23.386	-1.907
3.5	4244	4.1	4839	5.5	5834	33.213	23.453	-1.961
3.5	6252	3.9	7153	5.3	8596	33.381	23.621	-1.926
3.8	6055	4.4	6928	5.8	8335	33.494	23.734	-1.869
3.9	5868	4.4	6706	5.8	8076	33.622	23.862	-1.886
3.9	5681	4.5	6492	5.9	7818	33.526	23.766	-1.793
3.9	5498	4.5	6285	6	7567	33.52	23.76	-1.742
3.9	5326	4.5	6089	5.9	7322	33.519	23.759	-1.768
3.8	5153	4.4	5892	5.8	7085	33.602	23.842	-1.725
3.8	4995	4.4	5707	5.8	6868	33.555	23.795	-1.697
3.7	4840	4.3	5518	5.8	6657	33.556	23.796	-1.817
3.7	4681	4.3	5327	5.7	6441	33.545	23.785	-1.791
3.5	6275	3.9	7156	5.4	8635	33.259	23.499	-2.114
3.8	6084	4.4	6924	5.9	8370	33.418	23.658	-2.002
3.9	5891	4.5	6706	5.9	8105	33.456	23.696	-2.063
3.9	5702	4.5	6490	6	7844	33.382	23.622	-1.985
3.9	5520	4.5	6281	6	7594	33.541	23.781	-1.906

3.9	5343	4.5	6081	5.9	7352	33.487	23.727	-2.004
3.8	5167	4.4	5892	5.8	7109	33.544	23.784	-1.959
3.8	4998	4.3	5693	5.8	6877	33.467	23.707	-2.024
3.7	4832	4.3	5523	5.7	6643	33.512	23.752	-1.85
3.7	4692	4.3	5346	5.6	6454	33.572	23.812	-1.902
3.5	2886	3.9	3278	5.3	3988	38.066	28.306	-2.67
3.2	2774	3.7	3167	5	3835	38.283	28.523	-2.632
3.1	2688	3.6	3061	4.9	3712	38.366	28.606	-2.551
3	2598	3.5	2951	4.8	3590	38.345	28.585	-2.688
3	2502	3.4	2855	4.7	3460	38.278	28.518	-2.551
2.9	2425	3.4	2754	4.6	3353	38.421	28.661	-2.413
2.9	2347	3.3	2667	4.5	3244	38.241	28.481	-2.67
2.8	2261	3.3	2577	4.4	3126	38.456	28.696	-2.627
2.8	2197	3.2	2498	4.4	3036	38.321	28.561	-2.593
2.7	2113	3.2	2411	4.4	2918	38.155	28.395	-2.612
3.3	3501	3.8	3989	5.2	4835	37.167	27.407	-3.633
3.3	3387	3.7	3861	5.1	4674	37.245	27.485	-3.708
3.2	3277	3.7	3727	5	4523	37.09	27.33	-3.842
3.1	3172	3.6	3602	4.9	4381	37.422	27.662	-3.594
3.1	3060	3.6	3487	4.9	4226	37.371	27.611	-3.746
3	2968	3.5	3372	4.8	4098	37.288	27.528	-3.696
3	2868	3.5	3255	4.6	3960	37.345	27.585	-3.778
3	2767	3.4	3156	4.7	3820	37.182	27.422	-3.651
2.9	2676	3.4	3043	4.6	3695	37.39	27.63	-3.548
2.9	2587	3.3	2947	4.5	3569	37.249	27.489	-3.815
3.3	3451	3.8	3922	5.2	4760	35.994	26.234	-2.704
3.3	3357	3.8	3823	5.1	4632	36.043	26.283	-2.561
3.2	3234	3.7	3692	5	4463	36.153	26.393	-2.556
3.1	3132	3.6	3570	4.9	4318	35.941	26.181	-2.699
3.1	3026	3.6	3439	4.9	4174	36.09	26.33	-2.62
3	2915	3.5	3328	4.8	4022	36.106	26.346	-2.735
3	2820	3.5	3213	4.7	3889	36.191	26.431	-2.706
2.9	2722	3.4	3092	4.7	3755	36.186	26.426	-2.626
2.9	2626	3.4	2991	4.6	3620	36.186	26.426	-2.575
2.9	2534	3.3	2878	4.5	3497	36.213	26.453	-2.56
3.3	6101	3.8	6927	5.1	8236	14.831	5.071	-9.595
3.7	5920	4.2	6717	5.7	7993	14.707	4.947	-9.698
3.7	5733	4.3	6501	5.7	7741	14.804	5.044	-9.642
3.8	5556	4.3	6297	5.7	7502	14.843	5.083	-9.557
3.8	5389	4.3	6100	5.7	7278	14.806	5.046	-9.595
3.7	5211	4.3	5895	5.7	7039	14.79	5.03	-9.6
3.7	5043	4.3	5703	5.7	6811	14.772	5.012	-9.508
3.6	4882	4.2	5524	5.6	6594	14.754	4.994	-9.562
3.6	4717	4.1	5345	5.5	6374	14.692	4.932	-9.615
3.6	4572	4.1	5174	5.5	6174	14.761	5.001	-9.679
3.4	1138	3.8	1295	5.2	1575	40.669	30.909	-2.681
2.8	1093	3.3	1240	4.5	1515	40.815	31.055	-2.907
2.6	1053	3	1198	4.2	1458	40.979	31.219	-2.753
2.5	1017	2.9	1157	4	1409	41.024	31.264	-2.628

2.4	982	2.8	1116	3.9	1361	40.83	31.07	-2.949
2.3	947	2.7	1078	3.8	1312	40.755	30.995	-2.995
2.3	916	2.6	1044	3.7	1268	40.715	30.955	-2.984
2.2	882	2.6	1005	3.6	1223	40.666	30.906	-2.85
2.1	850	2.5	969	3.5	1179	41.171	31.411	-2.94
2.1	820	2.4	935	3.5	1136	40.987	31.227	-2.828
3.3	6901	3.7	7855	5	9371	19.848	10.088	-3.928
3.7	6691	4.3	7621	5.7	9083	19.865	10.105	-3.808
3.8	6478	4.4	7382	5.8	8794	19.958	10.198	-3.855
3.9	6300	4.5	7179	6	8553	19.831	10.071	-3.86
3.9	6095	4.5	6947	5.9	8274	19.936	10.176	-3.9
3.9	5904	4.5	6725	5.9	8016	19.955	10.195	-3.821
3.9	5717	4.4	6510	5.9	7762	19.937	10.177	-3.887
3.8	5544	4.4	6311	5.8	7526	19.831	10.071	-3.923
3.8	5359	4.4	6088	5.8	7279	20.03	10.27	-3.803
3.7	5177	4.3	5902	5.8	7033	19.864	10.104	-3.914
3.1	4679	3.5	5333	4.9	6444	34.489	24.729	-2.879
3.3	4529	3.7	5158	5.1	6239	34.541	24.781	-2.823
3.3	4384	3.8	4989	5.1	6040	34.472	24.712	-2.918
3.3	4238	3.7	4817	5.1	5841	34.577	24.817	-2.883
3.2	4100	3.7	4667	5.1	5652	34.557	24.797	-2.987
3.2	3967	3.7	4523	5	5463	34.638	24.878	-2.826
3.2	3835	3.7	4375	5	5280	34.466	24.706	-2.826
3.2	3724	3.6	4241	4.9	5130	34.616	24.856	-2.864
3.1	3594	3.6	4092	5	4954	34.5	24.74	-2.824
3.1	3478	3.6	3962	4.8	4792	34.59	24.83	-2.968
3.3	6115	3.7	6985	5.1	8401	30.877	21.117	-2.536
3.7	5925	4.2	6770	5.6	8139	31.106	21.346	-2.439
3.7	5736	4.3	6560	5.7	7880	31.011	21.251	-2.477
3.7	5557	4.3	6353	5.7	7626	31.017	21.257	-2.557
3.7	5387	4.3	6154	5.7	7393	31.109	21.349	-2.488
3.7	5227	4.3	5963	5.7	7174	31.107	21.347	-2.506
3.7	5060	4.2	5769	5.7	6947	31.077	21.317	-2.346
3.6	4898	4.2	5584	5.6	6724	30.949	21.189	-2.479
3.6	4738	4.1	5391	5.6	6506	30.981	21.221	-2.519
3.6	4585	4.1	5231	5.4	6293	31.021	21.261	-2.541
3.4	6114	3.8	6972	5.2	8447	36.835	27.075	-2.966
3.7	5926	4.3	6755	5.8	8186	36.945	27.185	-2.987
3.8	5745	4.3	6546	5.8	7936	36.936	27.176	-3.062
3.8	5559	4.4	6342	5.8	7679	36.919	27.159	-3.117
3.8	5372	4.4	6141	5.8	7424	36.992	27.232	-2.994
3.8	5208	4.4	5949	5.8	7189	36.981	27.221	-3.029
3.7	5044	4.3	5757	5.7	6962	37.017	27.257	-2.928
3.7	4899	4.2	5587	5.7	6762	36.91	27.15	-3.034
3.6	4740	4.2	5388	5.6	6546	36.814	27.054	-3.011
3.6	4567	4.1	5218	5.6	6310	36.816	27.056	-3.001
3.4	4714	3.8	5390	5.3	6516	37.463	27.703	-2.386
3.5	4551	4	5198	5.4	6285	37.707	27.947	-2.517
3.5	4410	4	5033	5.5	6091	37.639	27.879	-2.414

3.5	4270	4	4868	5.4	5900	37.738	27.978	-2.458
3.5	4141	4	4715	5.4	5723	37.788	28.028	-2.459
3.4	3998	3.9	4567	5.3	5522	37.718	27.958	-2.479
3.4	3872	3.9	4410	5.3	5352	37.758	27.998	-2.418
3.3	3747	3.8	4262	5.2	5179	37.76	28	-2.427
3.3	3624	3.8	4127	5.1	5007	37.745	27.985	-2.574
3.2	3499	3.7	3988	5.1	4837	37.767	28.007	-2.5
3.4	403	3.8	458	5.2	552	29.4	19.64	-4.751
2.6	383	3	436	4.2	526	29.701	19.941	-4.804
2.3	368	2.7	418	3.8	504	28.954	19.194	-4.778
2.1	354	2.5	401	3.5	485	29.515	19.755	-4.75
2	340	2.4	386	3.3	467	30.003	20.243	-4.769
2	328	2.3	373	3.2	450	30.375	20.615	-4.73
1.9	317	2.2	361	3.1	435	29.545	19.785	-4.759
1.8	306	2.1	348	3.1	419	28.975	19.215	-5.082
1.8	296	2.1	335	3	405	29.119	19.359	-4.898
1.7	284	2	322	2.9	389	29.914	20.154	-4.44
3.3	5930	3.7	6758	5.1	8163	34.404	24.644	-2.833
3.6	5750	4.1	6552	5.6	7916	34.487	24.727	-2.833
3.7	5570	4.2	6341	5.7	7669	34.468	24.708	-2.81
3.7	5393	4.3	6135	5.7	7425	34.553	24.793	-2.856
3.7	5220	4.3	5935	5.7	7189	34.542	24.782	-2.871
3.7	5057	4.3	5750	5.7	6964	34.552	24.792	-2.737
3.6	4888	4.2	5567	5.6	6734	34.624	24.864	-2.81
3.6	4729	4.1	5385	5.6	6514	34.465	24.705	-2.816
3.6	4580	4.1	5218	5.5	6305	34.578	24.818	-2.89
3.5	4430	4.1	5038	5.5	6102	34.548	24.788	-2.799
3.5	5375	3.9	6130	5.3	7532	52.81	43.05	-1.72
3.7	5197	4.2	5932	5.7	7282	52.783	43.023	-1.726
3.7	5029	4.3	5744	5.7	7047	52.924	43.164	-1.651
3.7	4863	4.3	5559	5.7	6815	53.056	43.296	-1.625
3.7	4703	4.2	5378	5.7	6591	52.914	43.154	-1.636
3.6	4556	4.2	5207	5.6	6379	52.982	43.222	-1.764
3.6	4413	4.2	5037	5.6	6180	52.917	43.157	-1.692
3.6	4270	4.1	4866	5.5	5981	52.953	43.193	-1.747
3.5	4123	4.1	4704	5.5	5779	53.078	43.318	-1.579
3.5	3992	4	4557	5.4	5590	52.916	43.156	-1.596
3.5	7363	3.9	8422	5.4	10178	38.669	28.909	2.17
4	7147	4.6	8184	6.2	9879	38.727	28.967	2.086
4.2	6925	4.8	7941	6.4	9570	38.746	28.986	2.102
4.2	6716	4.8	7707	6.3	9278	38.804	29.044	2.147
4.2	6496	4.9	7465	6.4	8979	38.92	29.16	2.18
4.2	6302	4.8	7237	6.4	8706	38.873	29.113	2.13
4.2	6103	4.8	7011	6.3	8434	38.87	29.11	2.225
4.1	5927	4.7	6779	6.3	8196	38.746	28.986	2.18
4.1	5742	4.7	6587	6.2	7934	38.792	29.032	2.168
4	5567	4.7	6371	6.2	7695	38.775	29.015	2.126
3.5	4062	4	4621	5.4	5660	46.846	37.086	-1.886
3.5	3915	4.1	4477	5.5	5457	46.882	37.122	-1.92

3.5	3792	4	4331	5.4	5280	46.941	37.181	-1.939
3.4	3671	3.9	4186	5.4	5114	46.979	37.219	-1.814
3.4	3547	3.9	4039	5.3	4943	46.924	37.164	-1.912
3.3	3428	3.8	3914	5.2	4773	46.958	37.198	-1.896
3.3	3307	3.8	3778	5.1	4610	47.086	37.326	-1.778
3.2	3204	3.7	3655	5	4462	46.986	37.226	-1.848
3.2	3095	3.7	3531	5	4309	46.952	37.192	-1.967
3.1	2995	3.6	3416	4.9	4172	46.981	37.221	-1.882
3.5	5315	3.9	6057	5.3	7342	38.403	28.643	-4.732
3.7	5142	4.2	5858	5.6	7103	38.494	28.734	-4.805
3.7	4983	4.2	5672	5.6	6883	38.538	28.778	-4.753
3.7	4823	4.2	5485	5.7	6664	38.62	28.86	-4.649
3.7	4669	4.2	5305	5.7	6453	38.488	28.728	-4.759
3.6	4513	4.2	5121	5.6	6239	38.569	28.809	-4.663
3.6	4362	4.2	4964	5.5	6030	38.627	28.867	-4.652
3.5	4211	4.1	4798	5.5	5822	38.557	28.797	-4.637
3.5	4084	4.1	4640	5.5	5644	38.423	28.663	-4.781
3.4	3943	4	4485	5.3	5451	38.547	28.787	-4.736
3.5	5651	3.9	6445	5.3	7753	31.392	21.632	-2.593
3.8	5471	4.3	6238	5.7	7506	31.334	21.574	-2.633
3.8	5297	4.4	6038	5.8	7269	31.44	21.68	-2.652
3.8	5125	4.4	5837	5.8	7033	31.408	21.648	-2.524
3.8	4965	4.3	5651	5.8	6815	31.413	21.653	-2.609
3.7	4804	4.3	5464	5.7	6596	31.438	21.678	-2.477
3.7	4653	4.3	5290	5.7	6387	31.398	21.638	-2.497
3.6	4498	4.2	5129	5.6	6176	31.403	21.643	-2.476
3.6	4356	4.2	4969	5.5	5977	31.367	21.607	-2.585
3.6	4215	4.1	4794	5.5	5787	31.372	21.612	-2.52
3.5	5221	3.9	5960	5.4	7185	34.699	24.939	-2.994
3.7	5054	4.2	5764	5.7	6957	34.823	25.063	-2.937
3.7	4889	4.2	5571	5.7	6730	34.839	25.079	-2.935
3.7	4732	4.2	5386	5.6	6515	34.88	25.12	-2.948
3.7	4580	4.2	5208	5.6	6308	34.921	25.161	-2.938
3.6	4430	4.2	5036	5.6	6102	34.92	25.16	-2.824
3.6	4277	4.1	4873	5.5	5892	34.934	25.174	-2.866
3.5	4137	4.1	4715	5.4	5700	34.909	25.149	-2.868
3.5	4006	4	4561	5.4	5516	34.987	25.227	-2.955
3.4	3869	4	4406	5.3	5330	34.956	25.196	-2.81
3.5	9562	3.9	10937	5.3	13158	34.186	24.426	-2.51
4.4	9304	5	10638	6.7	12804	34.209	24.449	-2.538
4.7	9047	5.3	10347	7	12454	34.258	24.498	-2.505
4.7	8784	5.4	10049	7.1	12092	34.367	24.607	-2.467
4.8	8538	5.5	9760	7.1	11752	34.317	24.557	-2.459
4.8	8292	5.5	9477	7.1	11415	34.307	24.547	-2.454
4.8	8046	5.5	9196	7.1	11076	34.367	24.607	-2.431
4.7	7806	5.4	8912	7	10742	34.358	24.598	-2.431
4.7	7568	5.4	8647	7	10418	34.384	24.624	-2.401
4.6	7346	5.3	8388	6.9	10111	34.376	24.616	-2.424
3.6	6491	4	7430	5.5	8926	32.689	22.929	-1.78

4	6298	4.6	7189	6.2	8660	32.747	22.987	-1.707
4.1	6100	4.7	6956	6.2	8388	32.791	23.031	-1.756
4.1	5908	4.7	6740	6.2	8124	32.822	23.062	-1.81
4.1	5724	4.7	6527	6.2	7872	32.9	23.14	-1.821
4	5542	4.6	6322	6.2	7621	32.905	23.145	-1.785
4	5366	4.6	6124	6.1	7380	32.943	23.183	-1.754
3.9	5189	4.5	5932	6	7136	32.911	23.151	-1.634
3.9	5034	4.5	5749	5.9	6918	32.913	23.153	-1.794
3.8	4878	4.4	5558	5.9	6705	32.933	23.173	-1.805
3.5	5170	4	5881	5.5	7154	40.094	30.334	-5.421
3.7	4999	4.2	5684	5.7	6920	40.286	30.526	-5.416
3.7	4844	4.3	5505	5.7	6706	40.215	30.455	-5.408
3.7	4684	4.3	5316	5.6	6485	40.352	30.592	-5.446
3.7	4530	4.3	5139	5.7	6274	40.358	30.598	-5.394
3.6	4376	4.2	4981	5.6	6062	40.225	30.465	-5.423
3.6	4236	4.1	4824	5.5	5862	40.238	30.478	-5.467
3.5	4094	4.1	4664	5.4	5664	40.331	30.571	-5.452
3.5	3963	4	4501	5.5	5488	40.231	30.471	-5.469
3.5	3837	4	4365	5.4	5310	40.229	30.469	-5.504
3.5	5731	3.9	6521	5.3	7937	40.613	30.853	-3.47
3.8	5548	4.3	6314	5.8	7685	40.597	30.837	-3.445
3.8	5370	4.4	6109	5.8	7438	40.762	31.002	-3.5
3.8	5200	4.4	5912	5.8	7203	40.63	30.87	-3.518
3.8	5034	4.3	5724	5.8	6974	40.711	30.951	-3.469
3.8	4869	4.3	5542	5.8	6746	40.668	30.908	-3.474
3.7	4710	4.3	5368	5.7	6527	40.746	30.986	-3.421
3.7	4554	4.2	5202	5.7	6311	40.706	30.946	-3.357
3.6	4418	4.2	5035	5.5	6117	40.728	30.968	-3.414
3.6	4269	4.1	4858	5.5	5916	40.647	30.887	-3.536
3.5	5096	4	5811	5.4	7049	39.584	29.824	-4.261
3.7	4938	4.3	5626	5.7	6832	39.657	29.897	-4.31
3.7	4778	4.3	5441	5.7	6612	39.797	30.037	-4.093
3.7	4627	4.3	5263	5.7	6403	39.759	29.999	-4.269
3.7	4479	4.2	5089	5.7	6199	39.761	30.001	-4.196
3.6	4332	4.2	4918	5.6	5996	39.912	30.152	-4.031
3.6	4186	4.1	4766	5.6	5797	39.822	30.062	-4.016
3.5	4049	4.1	4612	5.5	5606	39.893	30.133	-4.125
3.5	3927	4.1	4463	5.4	5435	39.913	30.153	-4.151
3.4	3787	4	4318	5.3	5243	39.845	30.085	-4.103
3.5	5294	4	6039	5.4	7273	32.934	23.174	-3.032
3.7	5124	4.3	5842	5.7	7040	33	23.24	-3.048
3.7	4957	4.3	5649	5.7	6812	33.063	23.303	-3.082
3.7	4796	4.3	5462	5.7	6591	33.063	23.303	-2.963
3.7	4643	4.3	5284	5.7	6382	33.086	23.326	-3.075
3.7	4491	4.2	5104	5.6	6173	33.057	23.297	-3.039
3.6	4333	4.2	4941	5.6	5959	33.119	23.359	-3.028
3.6	4191	4.2	4786	5.5	5758	33.229	23.469	-3.019
3.5	4065	4.1	4624	5.5	5587	33.107	23.347	-3.044
3.5	3916	4	4472	5.4	5386	33.078	23.318	-3.036

3.5	9946	4	11293	5.4	13434	14.817	5.057	-9.826
4.5	9695	5.2	11005	6.8	13087	14.822	5.062	-9.733
4.8	9407	5.5	10715	7.2	12709	14.819	5.059	-9.66
4.9	9174	5.6	10386	7.2	12390	14.996	5.236	-9.581
5	8921	5.7	10124	7.4	12043	14.893	5.133	-9.56
5	8657	5.7	9848	7.4	11682	14.906	5.146	-9.574
4.9	8423	5.6	9548	7.3	11377	14.906	5.146	-9.701
4.9	8197	5.6	9286	7.3	11067	14.847	5.087	-9.586
4.9	7961	5.6	9019	7.2	10749	14.927	5.167	-9.556
4.8	7716	5.5	8754	7.2	10417	14.874	5.114	-9.683
3.7	7042	4.1	8056	5.5	9675	32.967	23.207	-2.203
4.2	6816	4.7	7798	6.3	9375	33.117	23.357	-2.21
4.2	6610	4.8	7547	6.4	9091	33.258	23.498	-2.112
4.3	6408	4.9	7308	6.5	8814	33.258	23.498	-2.147
4.3	6214	4.9	7075	6.4	8546	33.319	23.559	-2.121
4.2	6019	4.9	6860	6.4	8278	33.383	23.623	-2.012
4.2	5830	4.8	6639	6.3	8019	33.325	23.565	-2.124
4.1	5646	4.7	6428	6.2	7764	33.307	23.547	-2.078
4.1	5459	4.7	6239	6.2	7510	33.315	23.555	-2.023
4	5287	4.6	6042	6.1	7266	33.332	23.572	-2.045
3.6	4458	4	5073	5.5	6158	37.878	28.118	-2.536
3.7	4304	4.2	4895	5.6	5946	38.04	28.28	-2.573
3.6	4157	4.1	4739	5.6	5745	38.02	28.26	-2.449
3.6	4016	4.1	4587	5.4	5545	38.118	28.358	-2.558
3.5	3889	4.1	4434	5.5	5371	38.039	28.279	-2.351
3.5	3760	4	4279	5.3	5194	38.106	28.346	-2.515
3.4	3631	4	4131	5.3	5017	38.025	28.265	-2.402
3.4	3501	3.9	3998	5.2	4839	37.995	28.235	-2.376
3.3	3395	3.8	3866	5.2	4690	37.957	28.197	-2.501
3.3	3274	3.8	3732	5.1	4524	38.115	28.355	-2.34
3.5	6049	4	6900	5.3	8321	33.786	24.026	-2.918
3.8	5858	4.4	6679	5.9	8059	33.766	24.006	-2.917
3.9	5672	4.5	6466	5.9	7804	33.876	24.116	-2.878
3.9	5491	4.4	6259	5.9	7554	33.929	24.169	-2.743
3.9	5318	4.5	6058	6	7317	33.809	24.049	-2.879
3.8	5147	4.4	5861	5.9	7082	33.913	24.153	-2.818
3.8	4983	4.4	5670	5.8	6857	33.875	24.115	-2.83
3.8	4823	4.4	5483	5.7	6638	33.962	24.202	-2.88
3.7	4648	4.3	5312	5.7	6397	34.026	24.266	-2.861
3.7	4511	4.3	5140	5.6	6205	34.052	24.292	-2.812
3.5	6573	3.9	7483	5.3	9049	34.24	24.48	-3.155
3.9	6369	4.5	7248	6	8768	34.2	24.44	-3.08
4	6180	4.6	7038	6.1	8506	34.227	24.467	-3.136
4	5984	4.6	6816	6.1	8238	34.35	24.59	-3.015
4	5807	4.6	6612	6.1	7993	34.218	24.458	-3.134
4	5631	4.5	6425	6	7747	34.301	24.541	-3.053
4	5447	4.6	6203	6.1	7496	34.178	24.418	-3.135
3.9	5276	4.5	6008	6	7263	34.36	24.6	-3.083
3.9	5089	4.5	5795	5.9	7006	34.204	24.444	-3.123

3.8	4917	4.4	5618	5.9	6764	34.343	24.583	-3.049
3.5	6587	4	7510	5.4	9058	33.157	23.397	-2.609
4	6386	4.5	7284	6	8783	33.297	23.537	-2.503
4	6182	4.6	7055	6.2	8501	33.377	23.617	-2.461
4	5990	4.6	6837	6.1	8237	33.43	23.67	-2.51
4	5799	4.6	6618	6.1	7974	33.386	23.626	-2.595
4	5617	4.6	6410	6.1	7723	33.377	23.617	-2.434
4	5439	4.5	6207	6.1	7479	33.446	23.686	-2.447
3.9	5268	4.5	6011	6	7243	33.387	23.627	-2.455
3.9	5100	4.5	5805	5.9	7016	33.352	23.592	-2.526
3.8	4919	4.4	5622	5.8	6769	33.485	23.725	-2.442
3.5	4779	4	5452	5.1	6571	33.642	23.882	-2.166
3.7	4624	4.2	5273	5.6	6360	33.552	23.792	-2.03
3.6	4475	4.1	5097	5.5	6156	33.452	23.692	-2.114
3.6	4342	4.1	4940	5.5	5973	33.256	23.496	-2.213
3.6	4195	4.1	4783	5.5	5772	33.421	23.661	-1.963
3.5	4045	4.1	4624	5.4	5561	33.491	23.731	-2.237
3.5	3921	4	4477	5.4	5390	33.523	23.763	-2.15
3.4	3793	4	4326	5.3	5216	33.538	23.778	-2.101
3.4	3664	3.9	4166	5.2	5041	33.572	23.812	-2.093
3.3	3543	3.9	4045	5.2	4872	33.602	23.842	-1.984
3.5	6749	3.9	7721	5.3	9281	33.587	23.827	-1.882
4	6571	4.5	7527	6	9034	33.416	23.656	-1.884
4	6353	4.6	7267	6.1	8745	33.546	23.786	-1.921
4.1	6155	4.7	7032	6.1	8471	33.561	23.801	-1.998
4.1	5965	4.7	6800	6.2	8207	33.628	23.868	-1.874
4	5792	4.6	6608	6.1	7971	33.477	23.717	-1.959
4	5579	4.6	6368	6	7680	33.587	23.827	-1.98
4	5482	4.7	6257	6.2	7542	33.142	23.382	-1.995
4	5299	4.6	6061	6	7283	33.422	23.662	-1.939
3.9	5132	4.5	5857	6	7057	33.295	23.535	-1.857
3.5	6165	4	7022	5.4	8474	32.64	22.88	-3.75
3.9	5963	4.5	6780	5.9	8197	32.816	23.056	-3.664
4	5774	4.6	6566	6	7938	32.837	23.077	-3.798
4	5588	4.6	6355	6	7681	32.803	23.043	-3.754
4	5409	4.6	6148	6	7436	33.06	23.3	-3.705
3.9	5233	4.6	5949	5.9	7195	32.928	23.168	-3.791
3.9	5059	4.5	5753	5.9	6954	32.947	23.187	-3.615
3.8	4890	4.4	5565	5.9	6723	32.984	23.224	-3.711
3.8	4728	4.4	5395	5.8	6495	32.876	23.116	-3.68
3.7	4588	4.3	5221	5.7	6305	32.843	23.083	-3.717
3.3	4018	3.7	4573	5	5518	31.786	22.026	-3.368
3.3	3973	3.8	4515	5.1	5453	31.265	21.505	-3.286
3.4	3841	3.9	4380	5.2	5274	31.127	21.367	-3.466
3.3	3718	3.9	4242	5.1	5099	31.216	21.456	-3.435
3.3	3603	3.8	4104	5.1	4945	31.35	21.59	-3.362
3.3	3477	3.8	3966	5.1	4774	31.19	21.43	-3.309
3.3	3366	3.7	3832	5	4621	31.29	21.53	-3.308
3.2	3253	3.7	3712	5	4461	31.249	21.489	-3.33

3.2	3148	3.7	3586	4.9	4322	31.339	21.579	-3.274
3.1	3045	3.6	3472	4.9	4178	31.201	21.441	-3.369
3.5	6630	3.9	7495	5.3	8948	14.598	4.838	-9.672
3.9	6428	4.5	7275	5.9	8676	14.692	4.932	-9.531
4	6229	4.6	7050	6	8405	14.699	4.939	-9.442
4	6035	4.6	6832	6.1	8142	14.62	4.86	-9.458
4.1	5847	4.6	6618	6	7890	14.697	4.937	-9.442
4	5663	4.6	6406	6	7642	14.678	4.918	-9.575
4	5484	4.5	6202	6	7401	14.664	4.904	-9.427
3.9	5302	4.5	6013	5.9	7153	14.731	4.971	-9.498
3.9	5129	4.5	5815	5.9	6925	14.718	4.958	-9.486
3.9	4972	4.4	5638	5.8	6706	14.645	4.885	-9.498
3.6	5263	4	6007	5.4	7251	36.138	26.378	-5.039
3.8	5094	4.3	5810	5.7	7018	36.29	26.53	-4.99
3.8	4932	4.3	5620	5.7	6798	36.352	26.592	-5.038
3.8	4773	4.3	5434	5.7	6578	36.301	26.541	-5.123
3.8	4620	4.3	5256	5.7	6369	36.453	26.693	-5.017
3.7	4458	4.3	5080	5.7	6149	36.266	26.506	-4.997
3.7	4318	4.2	4901	5.6	5953	36.282	26.522	-5.061
3.6	4175	4.2	4741	5.5	5756	36.44	26.68	-4.923
3.6	4035	4.1	4593	5.5	5560	36.366	26.606	-5.032
3.5	3912	4.1	4438	5.4	5393	36.31	26.55	-5.067
3.5	6039	4	6883	5.4	8299	33.254	23.494	-3.799
3.8	5834	4.4	6656	5.8	8023	33.314	23.554	-3.629
4	5666	4.6	6459	6	7785	33.444	23.684	-3.708
3.9	5484	4.5	6252	6	7536	33.404	23.644	-3.773
3.9	5311	4.5	6054	5.9	7298	33.499	23.739	-3.649
3.9	5143	4.5	5857	6	7068	33.359	23.599	-3.773
3.9	4979	4.5	5668	5.9	6842	33.374	23.614	-3.754
3.8	4817	4.4	5480	5.8	6622	33.349	23.589	-3.73
3.8	4653	4.3	5306	5.7	6399	33.439	23.679	-3.698
3.7	4507	4.3	5139	5.7	6193	33.497	23.737	-3.612
3.6	7169	4	8209	5.4	9863	34.493	24.733	-2.936
4.1	6964	4.7	7950	6.2	9588	34.537	24.777	-2.912
4.2	6761	4.8	7700	6.3	9308	34.575	24.815	-2.913
4.2	6552	4.8	7467	6.3	9019	34.662	24.902	-2.912
4.2	6352	4.9	7249	6.4	8742	34.633	24.873	-2.971
4.2	6157	4.9	7022	6.4	8474	34.653	24.893	-2.907
4.2	5966	4.8	6807	6.3	8211	34.712	24.952	-2.864
4.1	5766	4.7	6592	6.2	7932	34.722	24.962	-2.773
4.1	5597	4.7	6374	6.2	7705	34.719	24.959	-2.88
4.1	5432	4.7	6201	6.1	7478	34.468	24.708	-3
3.6	6019	4.1	6866	5.4	8281	34.377	24.617	-2.316
3.9	5828	4.5	6652	5.9	8017	34.467	24.707	-2.285
4	5642	4.6	6441	6	7761	34.347	24.587	-2.315
4	5463	4.6	6235	6	7516	34.423	24.663	-2.28
4	5289	4.6	6036	6	7276	34.344	24.584	-2.292
3.9	5121	4.5	5840	6	7044	34.351	24.591	-2.275
3.9	4959	4.5	5652	5.7	6822	34.511	24.751	-2.274

3.8	4798	4.4	5462	5.8	6601	34.471	24.711	-2.34
3.8	4633	4.4	5290	5.8	6378	34.316	24.556	-2.382
3.7	4491	4.3	5126	5.7	6177	34.456	24.696	-2.244
3.6	6277	4.1	7161	5.5	8627	32.924	23.164	-2.299
4	6086	4.5	6932	6	8364	33.034	23.274	-2.221
4	5896	4.6	6717	6.1	8104	33.153	23.393	-2.184
4	5708	4.6	6499	6.1	7845	33.076	23.316	-2.254
4	5530	4.6	6297	6.1	7600	33.222	23.462	-2.173
4	5351	4.6	6096	6.1	7355	33.161	23.401	-2.334
4	5174	4.6	5899	6	7112	33.093	23.333	-2.322
3.9	5006	4.5	5712	5.9	6883	33.072	23.312	-2.217
3.9	4847	4.5	5537	5.9	6659	33.13	23.37	-2.332
3.8	4693	4.4	5344	5.7	6449	33.182	23.422	-2.289
3.6	6082	4.1	6932	5.5	8358	32.653	22.893	-2.729
3.9	5893	4.5	6709	6	8097	32.711	22.951	-2.706
4	5709	4.5	6512	6	7842	32.678	22.918	-2.63
4	5522	4.6	6288	6	7587	32.72	22.96	-2.656
4	5349	4.6	6089	6	7350	32.775	23.015	-2.666
3.9	5170	4.5	5882	5.5	7104	33.266	23.506	-2.604
3.9	5001	4.5	5702	5.9	6873	32.871	23.111	-2.637
3.9	4831	4.4	5520	5.9	6640	32.83	23.07	-2.509
3.8	4674	4.4	5339	5.8	6424	32.783	23.023	-2.658
3.8	4530	4.3	5152	5.7	6223	32.862	23.102	-2.56
3.6	5693	4	6479	5.5	7831	33.632	23.872	-3.319
3.9	5504	4.4	6276	5.9	7572	33.668	23.908	-3.37
3.9	5328	4.5	6067	5.9	7330	33.701	23.941	-3.427
3.9	5154	4.5	5876	5.9	7090	33.725	23.965	-3.449
3.9	4986	4.5	5689	5.9	6861	33.663	23.903	-3.395
3.8	4823	4.4	5509	5.8	6635	33.816	24.056	-3.242
3.8	4670	4.4	5331	5.8	6418	33.816	24.056	-3.301
3.7	4522	4.3	5157	5.7	6216	33.855	24.095	-3.248
3.7	4377	4.3	4977	5.6	6020	33.803	24.043	-3.327
3.7	4222	4.2	4823	5.6	5806	33.743	23.983	-3.306
3.6	5611	4	6397	5.4	7711	32.509	22.749	-3.028
3.9	5437	4.4	6205	5.8	7471	32.508	22.748	-2.972
3.9	5260	4.5	6006	5.9	7229	32.583	22.823	-2.945
3.9	5082	4.4	5811	5.9	6984	32.53	22.77	-2.87
3.9	4923	4.4	5624	5.8	6759	32.621	22.861	-2.898
3.8	4771	4.4	5446	5.8	6551	32.606	22.846	-2.911
3.8	4617	4.3	5266	5.7	6340	32.528	22.768	-2.914
3.7	4467	4.3	5089	5.6	6134	32.579	22.819	-2.896
3.7	4316	4.2	4908	5.6	5930	32.635	22.875	-2.919
3.6	4170	4.2	4758	5.5	5726	32.751	22.991	-2.894
3.6	7606	4	8702	5.4	10451	33.344	23.584	-2.684
4.2	7378	4.8	8445	6.3	10148	33.424	23.664	-2.511
4.3	7172	4.9	8173	6.5	9862	33.488	23.728	-2.56
4.4	6958	5	7928	6.6	9566	33.44	23.68	-2.601
4.4	6750	5.1	7700	6.6	9279	33.411	23.651	-2.536
4.4	6543	5	7464	6.6	8994	33.402	23.642	-2.577

4.3	6341	5	7237	6.5	8716	33.433	23.673	-2.598
4.3	6136	4.9	7015	6.4	8432	33.442	23.682	-2.709
4.2	5951	4.9	6773	6.4	8184	33.42	23.66	-2.537
4.2	5750	4.8	6578	6.3	7909	33.447	23.687	-2.615
3.6	4470	4.1	5086	5.6	6139	32.537	22.777	-2.55
3.7	4322	4.2	4914	5.6	5939	32.82	23.06	-2.481
3.7	4175	4.2	4758	5.6	5738	32.755	22.995	-2.73
3.5	4027	4.1	4600	5.4	5536	32.782	23.022	-2.559
3.7	3912	4.2	4463	5.6	5372	32.689	22.929	-2.582
3.5	3788	4.1	4312	5.4	5203	32.893	23.133	-2.456
3.5	3661	4	4165	5.4	5031	32.75	22.99	-2.499
3.4	3533	4	4036	5.3	4857	32.831	23.071	-2.565
3.4	3429	3.9	3905	5.2	4710	32.831	23.071	-2.523
3.3	3307	3.9	3772	5.2	4546	32.74	22.98	-2.513
3.6	6956	4	7902	5.4	9382	14.6	4.84	-9.536
4.1	6740	4.6	7661	6.1	9099	14.647	4.887	-9.49
4.2	6542	4.7	7419	6.2	8832	14.553	4.793	-9.611
4.2	6343	4.8	7192	6.2	8563	14.65	4.89	-9.56
4.2	6156	4.8	6957	6.4	8311	14.549	4.789	-9.578
4.2	5951	4.8	6757	6.2	8036	14.653	4.893	-9.586
4.1	5764	4.7	6540	6.2	7783	14.686	4.926	-9.529
4.1	5585	4.7	6336	6.2	7542	14.631	4.871	-9.619
4	5421	4.7	6144	6.1	7314	14.648	4.888	-9.588
4	5252	4.6	5933	6	7088	14.63	4.87	-9.613
3.5	2830	4	3219	5.5	3888	31.777	22.017	-3.19
3.3	2719	3.8	3100	5.2	3735	32.258	22.498	-3.071
3.2	2629	3.7	2996	5.1	3609	32.119	22.359	-3.23
3.1	2542	3.5	2890	4.9	3491	32.333	22.573	-3.15
3	2456	3.5	2788	4.8	3373	32.431	22.671	-3.131
3	2376	3.4	2699	4.8	3262	32.166	22.406	-3.047
2.9	2294	3.4	2611	4.7	3150	32.322	22.562	-3.006
2.9	2217	3.3	2518	4.6	3045	32.311	22.551	-3.08
2.8	2142	3.2	2434	4.5	2942	32.484	22.724	-3.117
2.8	2069	3.2	2349	4.5	2843	32.387	22.627	-3.127
3.4	5567	3.8	6357	5.3	7671	35.141	25.381	-2.827
3.7	5386	4.2	6158	5.7	7424	35.333	25.573	-2.749
3.7	5219	4.2	5965	5.7	7185	35.308	25.548	-2.784
3.7	5057	4.2	5774	5.7	6964	35.288	25.528	-2.752
3.7	4901	4.3	5594	5.7	6749	35.463	25.703	-2.797
3.7	4747	4.2	5411	5.7	6537	35.379	25.619	-2.743
3.6	4594	4.2	5229	5.6	6329	35.268	25.508	-2.875
3.6	4443	4.2	5051	5.6	6122	35.288	25.528	-2.72
3.6	4292	4.1	4900	5.5	5910	35.385	25.625	-2.792
3.5	4161	4.1	4733	5.4	5733	35.422	25.662	-2.905
3.5	5236	3.9	5981	5.4	7192	32.874	23.114	-3.053
3.7	5072	4.2	5790	5.6	6967	32.861	23.101	-3.053
3.7	4909	4.2	5601	5.7	6746	32.997	23.237	-2.947
3.7	4755	4.2	5419	5.6	6534	33.011	23.251	-2.949
3.7	4606	4.2	5244	5.7	6330	33.032	23.272	-2.924

3.6	4456	4.2	5062	5.6	6127	33.111	23.351	-2.916
3.6	4304	4.1	4902	5.6	5919	32.951	23.191	-3.023
3.5	4161	4.1	4748	5.5	5722	33.011	23.251	-3.035
3.5	4039	4.1	4594	5.4	5552	33.162	23.402	-3.061
3.5	3892	4	4443	5.4	5351	32.93	23.17	-3.078
3.5	10146	4	11640	5.4	13694	32.608	22.848	-2.478
4.6	9912	5.2	11311	7	13639	33.216	23.456	-2.558
4.9	9652	5.6	11036	7.3	13270	33.228	23.468	-2.577
5	9361	5.7	10731	7.5	12879	33.218	23.458	-2.528
5	9131	5.8	10425	7.6	12555	33.205	23.445	-2.508
5	8876	5.8	10134	7.5	12204	33.222	23.462	-2.53
5	8609	5.8	9855	7.6	11832	33.257	23.497	-2.481
5	8362	5.7	9560	7.4	11504	33.207	23.447	-2.498
4.9	8122	5.7	9276	7.4	11173	33.306	23.546	-2.545
4.9	7868	5.6	9002	7.3	10825	33.233	23.473	-2.493
3.7	5138	4.1	5848	5.6	7096	38.075	28.315	-2.766
3.9	4969	4.4	5655	5.9	6863	38.101	28.341	-2.706
3.8	4803	4.4	5466	5.9	6634	38.228	28.468	-2.823
3.8	4647	4.4	5285	5.9	6419	38.152	28.392	-2.727
3.8	4491	4.4	5106	5.9	6205	38.124	28.364	-2.649
3.7	4342	4.3	4945	5.8	6000	38.164	28.404	-2.709
3.7	4192	4.3	4787	5.7	5788	38.199	28.439	-2.781
3.6	4061	4.2	4629	5.6	5609	38.23	28.47	-2.722
3.6	3929	4.1	4463	5.5	5429	38.299	28.539	-2.651
3.5	3799	4.1	4330	5.5	5244	38.258	28.498	-2.747
3.6	4838	4	5514	5.4	6652	33.7	23.94	-2.802
3.7	4683	4.2	5332	5.7	6441	33.761	24.001	-2.704
3.7	4530	4.2	5151	5.7	6230	33.616	23.856	-2.736
3.7	4379	4.2	4976	5.6	6025	33.722	23.962	-2.792
3.6	4229	4.2	4825	5.6	5820	33.877	24.117	-2.64
3.6	4101	4.1	4663	5.6	5641	33.738	23.978	-2.766
3.5	3967	4.1	4516	5.5	5455	33.773	24.013	-2.735
3.5	3835	4	4360	5.4	5275	33.743	23.983	-2.734
3.4	3699	4	4215	5.3	5089	33.709	23.949	-2.816
3.4	3587	4	4081	5.3	4933	33.808	24.048	-2.804
3.3	7338	3.8	8430	5.1	10126	37.576	27.816	2.077
3.9	7120	4.5	8172	5.9	9836	37.741	27.981	2.104
4	6907	4.7	7907	6.2	9541	37.761	28.001	2.168
4.1	6698	4.7	7656	6.2	9251	37.801	28.041	2.078
4.1	6496	4.7	7428	6.2	8973	37.871	28.111	2.132
4.1	6294	4.7	7195	6.3	8693	37.787	28.027	2.157
4.1	6098	4.7	6970	6.2	8422	37.775	28.015	2.051
4	5904	4.7	6750	6.2	8154	37.786	28.026	2.113
4	5706	4.6	6534	6.1	7883	37.799	28.039	2.011
4	5514	4.6	6330	6.1	7611	37.743	27.983	2.13

from R

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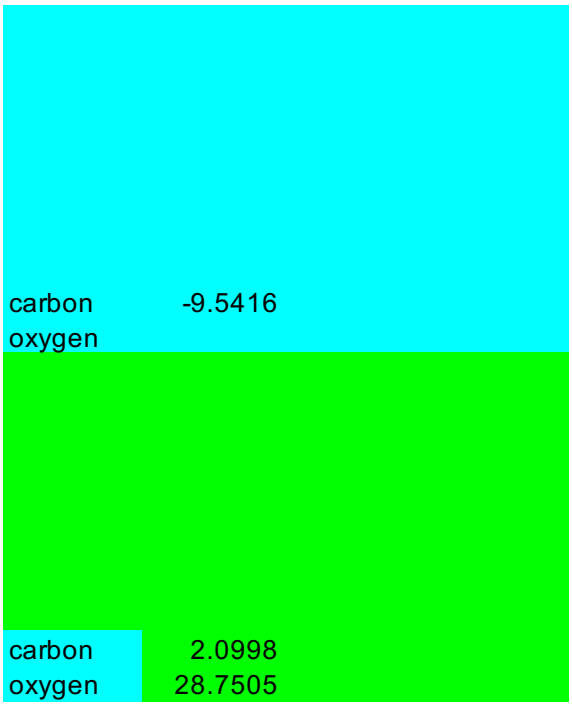
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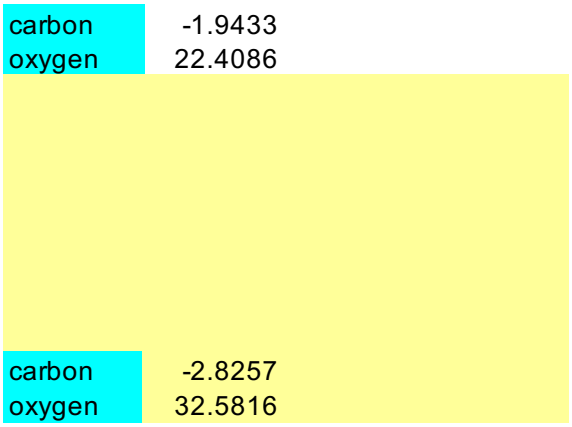
oxygen
carbon 2.0998
oxygen 28.7505


carbon -1.9433
oxygen 22.4086
carbon -2.8257
oxygen 32.5816

	-2.24
	44.2212
carbon	-3.0036
oxygen	22.1505
carbon	-3.8831
oxygen	25.1836
carbon	-3.7739
oxygen	23.0582
carbon	-1.9246
oxygen	22.5352

carbon	-2.4014
oxygen	28.3583

carbon	-1.8003
oxygen	23.9656

carbon	-3.6324
oxygen	23.3533

carbon	-9.5356
oxygen	4.75

carbon	-2.049
oxygen	23.356

carbon	-2.3937
oxygen	23.9981

carbon	-3.6843
oxygen	24.4634

carbon	-2.9232
oxygen	26.1843

carbon	-1.9645
oxygen	23.4933

carbon	-1.8014
oxygen	23.772

carbon	-1.9809
oxygen	23.7038

carbon	-2.6007
oxygen	28.5332

carbon	-3.7011
oxygen	27.5149

carbon	-2.6342
oxygen	26.3503

carbon	-9.6051
oxygen	5.016

carbon	-2.8515
oxygen	31.1011

carbon	-3.8699
oxygen	10.1455

carbon	-2.8798
oxygen	24.7846

carbon	-2.4888
oxygen	21.2655

carbon	-3.0129
oxygen	27.1565

carbon	-2.4632
oxygen	27.9483

carbon	-4.7761
oxygen	19.7901

carbon	-2.8255
oxygen	24.7621

carbon	-1.6736
oxygen	43.1733

carbon	2.1514
oxygen	29.0322

carbon	-1.8842
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carbon	-4.7167
oxygen	28.7666

carbon	-2.5566
oxygen	21.6365

carbon	-2.9075
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oxygen	23.0954

carbon	-5.44
oxygen	30.4959

carbon	-3.4604
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carbon	-4.1555
oxygen	30.0343

carbon	-3.0366
oxygen	23.3136

carbon	-9.646
oxygen	5.1207

carbon	-2.1075
oxygen	23.4981

carbon	-2.4601
oxygen	28.2693

carbon	-2.8536
oxygen	24.1394

carbon	-3.0963

oxygen	24.5021

carbon	-2.4982
oxygen	23.6094

carbon	-2.1051
oxygen	23.7449

carbon	-1.9289
oxygen	23.7061

carbon	-3.7185
oxygen	23.1134

carbon	-3.3507
oxygen	21.5413

carbon	-9.5029
oxygen	4.9142

carbon	-5.0287
oxygen	26.5598

carbon	-3.7125
oxygen	23.6333

carbon	-2.9068
oxygen	24.8574

carbon	-2.3003
oxygen	24.6463

carbon	-2.2625
oxygen	23.3447

carbon	-2.6355
oxygen	23.0549

carbon	-3.3384
oxygen	23.9822

carbon	-2.9247
oxygen	22.825

carbon	-2.5928
oxygen	23.6651

carbon	-2.5458
oxygen	23.0028

carbon	-9.571
oxygen	4.8647

carbon	-3.1149
oxygen	22.4988

carbon	-2.7944
oxygen	25.5675

carbon	-3.0039
oxygen	23.234

carbon	-2.5196
oxygen	23.41

carbon	-2.7281
oxygen	28.423

carbon	-2.7529
oxygen	23.9847

carbon	2.1021
oxygen	28.004

	average	difference from R
carbon	2.117767	-0.16777
oxygen	28.59557	-30.7956