Peak Nr.	Rt	Molecule Forr	Identifier 1	Identifier 2	Analysis	Date
4	168.6	CO2	WSU Std A-1	Carbonate	P-7228	10/17/08
5	218.6	CO2	WSU Std A-1	Carbonate	P-7228	10/17/08
6	268.8	CO2	WSU Std A-1	Carbonate	P-7228	10/17/08
7	318.8	CO2	WSU Std A-1	Carbonate	P-7228	10/17/08
8	368.8	CO2	WSU Std A-1	Carbonate	P-7228	10/17/08
9	418.8	CO2	WSU Std A-1	Carbonate	P-7228	10/17/08
10	468.8	CO2	WSU Std A-1	Carbonate	P-7228	10/17/08
11	518.8	CO2	WSU Std A-1	Carbonate	P-7228	10/17/08
12	568.8	CO2	WSU Std A-1	Carbonate	P-7228	10/17/08
13	618.9	CO2	WSU Std A-1	Carbonate	P-7228	10/17/08
4	168.5	CO2	NBS-19-1	Carbonate	P-7229	10/17/08
5	218.5	CO2	NBS-19-1	Carbonate	P-7229	10/17/08
6	268.5	CO2	NBS-19-1	Carbonate	P-7229	10/17/08
7	318.5	CO2	NBS-19-1	Carbonate	P-7229	10/17/08
8	368.8	CO2	NBS-19-1	Carbonate	P-7229	10/17/08
9	418.8	CO2	NBS-19-1	Carbonate	P-7229	10/17/08
10	468.8	CO2	NBS-19-1	Carbonate	P-7229	10/17/08
11	518.8	CO2	NBS-19-1	Carbonate	P-7229	10/17/08
12	568.6	CO2	NBS-19-1	Carbonate	P-7229	10/17/08
13	618.6	CO2	NBS-19-1	Carbonate	P-7229	10/17/08
4	168.8	CO2	JTP167	Carbonate	P-7230	10/17/08
5	218.9	CO2	JTP167	Carbonate	P-7230	10/17/08
6	269	CO2	JTP167	Carbonate	P-7230	10/17/08
7	319	CO2	JTP167	Carbonate	P-7230	10/17/08
8	368.9	CO2	JTP167	Carbonate	P-7230	10/17/08
9	419.2	CO2	JTP167	Carbonate	P-7230	10/17/08
10	469.1	CO2	JTP167	Carbonate	P-7230	10/17/08
11	518.9	CO2	JTP167	Carbonate	P-7230	10/17/08
12	569.1	CO2	JTP167	Carbonate	P-7230	10/17/08
13	618.9	CO2	JTP167	Carbonate	P-7230	10/17/08
4	168	CO2	JTP181	Carbonate	P-7231	10/17/08
5	218	CO2	JTP181	Carbonate	P-7231	10/17/08
6	268	CO2	JTP181	Carbonate	P-7231	10/17/08
7	318.2	CO2	JTP181	Carbonate	P-7231	10/17/08
8	368.2	CO2	JTP181	Carbonate	P-7231	10/17/08
9	418.2	CO2	JTP181	Carbonate	P-7231	10/17/08
10	468.2	CO2	JTP181	Carbonate	P-7231	10/17/08
11	518.4	CO2	JTP181	Carbonate	P-7231	10/17/08
12	568.4	CO2	JTP181	Carbonate	P-7231	10/17/08
13	618.3	CO2	JTP181	Carbonate	P-7231	10/17/08
4	167.3	CO2	JTP094	Carbonate	P-7232	10/17/08
5	217.4	CO2	JTP094	Carbonate	P-7232	10/17/08
6	267.3	CO2	JTP094	Carbonate	P-7232	10/17/08
7	317.5	CO2	JTP094	Carbonate	P-7232	10/17/08
8	367.4	CO2	JTP094	Carbonate	P-7232	10/17/08
9	417.6	CO2	JTP094	Carbonate	P-7232	10/17/08
10	467.5	CO2	JTP094	Carbonate	P-7232	10/17/08
11	517.7	CO2	JTP094	Carbonate	P-7232	10/17/08

12	567.6	CO2	JTP094	Carbonate	P-7232	10/17/08
13	617.5	CO2	JTP094	Carbonate	P-7232	10/17/08
4	168.5	CO2	JTP140	Carbonate	P-7233	10/17/08
5	218.5	CO2	JTP140	Carbonate	P-7233	10/17/08
6	268.6	CO2	JTP140	Carbonate	P-7233	10/17/08
7	318.6	CO2	JTP140	Carbonate	P-7233	10/17/08
8	368.6	CO2	JTP140	Carbonate	P-7233	10/17/08
9	418.6	CO2	JTP140	Carbonate	P-7233	10/17/08
10	468.7	CO2	JTP140	Carbonate	P-7233	10/17/08
11	518.7	CO2	JTP140	Carbonate	P-7233	10/17/08
12	568.5	CO2	JTP140	Carbonate	P-7233	10/17/08
13	618.6	CO2	JTP140	Carbonate	P-7233	10/17/08
4	168	CO2	JTP130	Carbonate	P-7234	10/17/08
5	218	CO2	JTP130	Carbonate	P-7234	10/17/08
6	268.3	CO2	JTP130	Carbonate	P-7234	10/17/08
7	318.2	CO2	JTP130	Carbonate	P-7234	10/17/08
8	368.2	CO2	JTP130	Carbonate	P-7234	10/17/08
9	418.2	CO2	JTP130	Carbonate	P-7234	10/17/08
10	468.2	CO2	JTP130	Carbonate	P-7234	10/17/08
11	518.2	CO2	JTP130	Carbonate	P-7234	10/17/08
12	568.3	CO2	JTP130	Carbonate	P-7234	10/17/08
13	618.3	CO2	JTP130	Carbonate	P-7234	10/17/08
4	167.8	CO2	JTP091	Carbonate	P-7235	10/17/08
5	218	CO2	JTP091	Carbonate	P-7235	10/17/08
6	268	CO2	JTP091	Carbonate	P-7235	10/17/08
7	318	CO2	JTP091	Carbonate	P-7235	10/17/08
8	367.9	CO2	JTP091	Carbonate	P-7235	10/17/08
9	418.2	CO2	JTP091	Carbonate	P-7235	10/17/08
10	468.2	CO2	JTP091	Carbonate	P-7235	10/17/08
11	518.2	CO2	JTP091	Carbonate	P-7235	10/17/08
12	568.1	CO2	JTP091	Carbonate	P-7235	10/17/08
13	618.1	CO2	JTP091	Carbonate	P-7235	10/17/08
4	167.3	CO2	JTP137	Carbonate	P-7236	10/17/08
5	217.5	CO2	JTP137	Carbonate	P-7236	10/17/08
6	267.4	CO2	JTP137	Carbonate	P-7236	10/17/08
7	317.6	CO2	JTP137	Carbonate	P-7236	10/17/08
8	367.5	CO2	JTP137	Carbonate	P-7236	10/17/08
9	417.7	CO2	JTP137	Carbonate	P-7236	10/17/08
10	467.7	CO2	JTP137	Carbonate	P-7236	10/17/08
11	517.6	CO2	JTP137	Carbonate	P-7236	10/17/08
12	567.8	CO2	JTP137	Carbonate	P-7236	10/17/08
13	617.8	CO2	JTP137	Carbonate	P-7236	10/17/08
4	168.5	CO2	JTP081m	Carbonate	P-7237	10/17/08
5	218.3	CO2	JTP081m	Carbonate	P-7237	10/17/08
6	268.4	CO2	JTP081m	Carbonate	P-7237	10/17/08
7	318.5	CO2	JTP081m	Carbonate	P-7237	10/17/08
8	368.5	CO2	JTP081m	Carbonate	P-7237	10/17/08
9	418.6	CO2	JTP081m	Carbonate	P-7237	10/17/08
10	468.5	CO2	JTP081m	Carbonate	P-7237	10/17/08

11	518.6	CO2	JTP081m	Carbonate	P-7237	10/17/08
12	568.7	CO2	JTP081m	Carbonate	P-7237	10/17/08
13	618.5	CO2	JTP081m	Carbonate	P-7237	10/17/08
4	168	CO2	JTP168	Carbonate	P-7238	10/17/08
5	218.3	CO2	JTP168	Carbonate	P-7238	10/17/08
6	268.3	CO2	JTP168	Carbonate	P-7238	10/17/08
7	318.3	CO2	JTP168	Carbonate	P-7238	10/17/08
8	368.3	CO2	JTP168	Carbonate	P-7238	10/17/08
9	418.4	CO2	JTP168	Carbonate	P-7238	10/17/08
10	468.4	CO2	JTP168	Carbonate	P-7238	10/17/08
11	518.4	CO2	JTP168	Carbonate	P-7238	10/17/08
12	568.2	CO2	JTP168	Carbonate	P-7238	10/17/08
13	618.3	CO2	JTP168	Carbonate	P-7238	10/17/08
4	167.5	CO2	JTP135a	Carbonate	P-7239	10/17/08
5	217.5	CO2	JTP135a	Carbonate	P-7239	10/17/08
6	267.7	CO2	JTP135a	Carbonate	P-7239	10/17/08
7	317.7	CO2	JTP135a	Carbonate	P-7239	10/17/08
8	367.7	CO2	JTP135a	Carbonate	P-7239	10/17/08
9	417.7	CO2	JTP135a	Carbonate	P-7239	10/17/08
10	467.9	CO2	JTP135a	Carbonate	P-7239	10/17/08
11	517.9	CO2	JTP135a	Carbonate	P-7239	10/17/08
12	567.9	CO2	JTP135a	Carbonate	P-7239	10/17/08
13	617.8	CO2	JTP135a	Carbonate	P-7239	10/17/08
4	167.3	CO2	WSU Std A-2	Carbonate	P-7240	10/17/08
5	217.4	CO2	WSU Std A-2	Carbonate	P-7240	10/17/08
6	267.4	CO2	WSU Std A-2	Carbonate	P-7240	10/17/08
7	317.4	CO2	WSU Std A-2	Carbonate	P-7240	10/17/08
8	367.6	CO2	WSU Std A-2	Carbonate	P-7240	10/17/08
9	417.6	CO2	WSU Std A-2	Carbonate	P-7240	10/17/08
10	467.6	CO2	WSU Std A-2	Carbonate	P-7240	10/17/08
11	517.6	CO2	WSU Std A-2	Carbonate	P-7240	10/17/08
12	567.6	CO2	WSU Std A-2	Carbonate	P-7240	10/17/08
13	617.6	CO2	WSU Std A-2	Carbonate	P-7240	10/17/08
4	167.8	CO2	JTP185a	Carbonate	P-7241	10/17/08
5	217.8	CO2	JTP185a	Carbonate	P-7241	10/17/08
6	267.8	CO2	JTP185a	Carbonate	P-7241	10/17/08
7	317.9	CO2	JTP185a	Carbonate	P-7241	10/17/08
8	367.9	CO2	JTP185a	Carbonate	P-7241	10/17/08
9	417.9	CO2	JTP185a	Carbonate	P-7241	10/17/08
10	468	CO2	JTP185a	Carbonate	P-7241	10/17/08
11	518	CO2	JTP185a	Carbonate	P-7241	10/17/08
12	568	CO2	JTP185a	Carbonate	P-7241	10/17/08
13	618	CO2	JTP185a	Carbonate	P-7241	10/17/08
4	168.3	CO2	JTP185aDu	Carbonate	P-7242	10/17/08
5	218.4	CO2	JTP185aDu	Carbonate	P-7242	10/17/08
6	268.2	CO2	JTP185aDu	Carbonate	P-7242	10/17/08
7	318.3	CO2	JTP185aDu	Carbonate	P-7242	10/17/08
8	368.4	CO2	JTP185aDu	Carbonate	P-7242	10/17/08
9	418.5	CO2	JTP185aDu	Carbonate	P-7242	10/17/08

10	468.3	CO2	JTP185aDu	Carbonate	P-7242	10/17/08
11	519.2	CO2	JTP185aDu	Carbonate	P-7242	10/17/08
12	568.5	CO2	JTP185aDu	Carbonate	P-7242	10/17/08
13	618.4	CO2	JTP185aDu	Carbonate	P-7242	10/17/08
4	167.4	CO2	JTP045a	Carbonate	P-7243	10/17/08
5	217.4	CO2	JTP045a	Carbonate	P-7243	10/17/08
6	267.7	CO2	JTP045a	Carbonate	P-7243	10/17/08
7	317.6	CO2	JTP045a	Carbonate	P-7243	10/17/08
8	367.6	CO2	JTP045a	Carbonate	P-7243	10/17/08
9	417.6	CO2	JTP045a	Carbonate	P-7243	10/17/08
10	467.8	CO2	JTP045a	Carbonate	P-7243	10/17/08
11	517.8	CO2	JTP045a	Carbonate	P-7243	10/17/08
12	567.8	CO2	JTP045a	Carbonate	P-7243	10/17/08
13	617.8	CO2	JTP045a	Carbonate	P-7243	10/17/08
4	168	CO2	JTP031b	Carbonate	P-7244	10/17/08
5	218.1	CO2	JTP031b	Carbonate	P-7244	10/17/08
6	268.2	CO2	JTP031b	Carbonate	P-7244	10/17/08
7	318.3	CO2	JTP031b	Carbonate	P-7244	10/17/08
8	368.2	CO2	JTP031b	Carbonate	P-7244	10/17/08
9	418.6	CO2	JTP031b	Carbonate	P-7244	10/17/08
10	468.2	CO2	JTP031b	Carbonate	P-7244	10/17/08
11	518.3	CO2	JTP031b	Carbonate	P-7244	10/17/08
12	568.5	CO2	JTP031b	Carbonate	P-7244	10/17/08
13	618.4	CO2	JTP031b	Carbonate	P-7244	10/17/08
4	167.5	CO2	JTP081	Carbonate	P-7245	10/17/08
5	217.5	CO2	JTP081	Carbonate	P-7245	10/17/08
6	267.5	CO2	JTP081	Carbonate	P-7245	10/17/08
7	317.5	CO2	JTP081	Carbonate	P-7245	10/17/08
8	367.7	CO2	JTP081	Carbonate	P-7245	10/17/08
9	417.8	CO2	JTP081	Carbonate	P-7245	10/17/08
10	467.8	CO2	JTP081	Carbonate	P-7245	10/17/08
11	517.8	CO2	JTP081	Carbonate	P-7245	10/17/08
12	567.6	CO2	JTP081	Carbonate	P-7245	10/17/08
13	617.6	CO2	JTP081	Carbonate	P-7245	10/17/08
4	167	CO2	JTP022	Carbonate	P-7246	10/17/08
5	217.2	CO2	JTP022	Carbonate	P-7246	10/17/08
6	267.1	CO2	JTP022	Carbonate	P-7246	10/17/08
7	317.1	CO2	JTP022	Carbonate	P-7246	10/17/08
8	367.3	CO2	JTP022	Carbonate	P-7246	10/17/08
9	417.3	CO2	JTP022	Carbonate	P-7246	10/17/08
10	467.3	CO2	JTP022	Carbonate	P-7246	10/17/08
11	517.3	CO2	JTP022	Carbonate	P-7246	10/17/08
12	567.5	CO2	JTP022	Carbonate	P-7246	10/17/08
13	617.2	CO2	JTP022	Carbonate	P-7246	10/17/08
4	167.3	CO2	JTP134a	Carbonate	P-7247	10/17/08
5	217.2	CO2	JTP134a	Carbonate	P-7247	10/17/08
6	267.2	CO2	JTP134a	Carbonate	P-7247	10/17/08
7	317.5	CO2	JTP134a	Carbonate	P-7247	10/17/08
8	367.5	CO2	JTP134a	Carbonate	P-7247	10/17/08

9	417.4	CO2	JTP134a	Carbonate	P-7247	10/17/08
10	467.4	CO2	JTP134a	Carbonate	P-7247	10/17/08
11	517.6	CO2	JTP134a	Carbonate	P-7247	10/17/08
12	567.6	CO2	JTP134a	Carbonate	P-7247	10/17/08
13	617.6	CO2	JTP134a	Carbonate	P-7247	10/17/08
4	166.7	CO2	JTP195	Carbonate	P-7248	10/17/08
5	216.7	CO2	JTP195	Carbonate	P-7248	10/17/08
6	266.9	CO2	JTP195	Carbonate	P-7248	10/17/08
7	317.1	CO2	JTP195	Carbonate	P-7248	10/17/08
8	367	CO2	JTP195	Carbonate	P-7248	10/17/08
9	417	CO2	JTP195	Carbonate	P-7248	10/17/08
10	467.2	CO2	JTP195	Carbonate	P-7248	10/17/08
11	517.1	CO2	JTP195	Carbonate	P-7248	10/17/08
12	567.3	CO2	JTP195	Carbonate	P-7248	10/17/08
13	617.3	CO2	JTP195	Carbonate	P-7248	10/17/08
4	167.5	CO2	JTP194	Carbonate	P-7249	10/17/08
5	217.5	CO2	JTP194	Carbonate	P-7249	10/17/08
6	267.7	CO2	JTP194	Carbonate	P-7249	10/17/08
7	317.7	CO2	JTP194	Carbonate	P-7249	10/17/08
8	367.7	CO2	JTP194	Carbonate	P-7249	10/17/08
9	417.7	CO2	JTP194	Carbonate	P-7249	10/17/08
10	467.7	CO2	JTP194	Carbonate	P-7249	10/17/08
11	517.8	CO2	JTP194	Carbonate	P-7249	10/17/08
12	567.8	CO2	JTP194	Carbonate	P-7249	10/17/08
13	617.8	CO2	JTP194	Carbonate	P-7249	10/17/08
4	167.5	CO2	JTP197b	Carbonate	P-7250	10/17/08
5	217.8	CO2	JTP197b	Carbonate	P-7250	10/17/08
6	267.8	CO2	JTP197b	Carbonate	P-7250	10/17/08
7	317.8	CO2	JTP197b	Carbonate	P-7250	10/17/08
8	367.8	CO2	JTP197b	Carbonate	P-7250	10/17/08
9	417.9	CO2	JTP197b	Carbonate	P-7250	10/17/08
10	467.9	CO2	JTP197b	Carbonate	P-7250	10/17/08
11	517.9	CO2	JTP197b	Carbonate	P-7250	10/17/08
12	567.9	CO2	JTP197b	Carbonate	P-7250	10/17/08
13	618	CO2	JTP197b	Carbonate	P-7250	10/17/08
4	167.5	CO2	WSU Std A-3	Carbonate	P-7251	10/17/08
5	217.7	CO2	WSU Std A-3	Carbonate	P-7251	10/17/08
6	267.7	CO2	WSU Std A-3	Carbonate	P-7251	10/17/08
7	317.7	CO2	WSU Std A-3	Carbonate	P-7251	10/17/08
8	367.9	CO2	WSU Std A-3	Carbonate	P-7251	10/17/08
9	417.9	CO2	WSU Std A-3	Carbonate	P-7251	10/17/08
10	467.9	CO2	WSU Std A-3	Carbonate	P-7251	10/17/08
11	517.8	CO2	WSU Std A-3	Carbonate	P-7251	10/17/08
12	567.8	CO2	WSU Std A-3	Carbonate	P-7251	10/17/08
13	617.8	CO2	WSU Std A-3	Carbonate	P-7251	10/17/08
4	167.8	CO2	JTP170	Carbonate	P-7252	10/17/08
5	217.8	CO2	JTP170	Carbonate	P-7252	10/17/08
6	268	CO2	JTP170	Carbonate	P-7252	10/17/08
7	318	CO2	JTP170	Carbonate	P-7252	10/17/08

8	368.1	CO2	JTP170	Carbonate	P-7252	10/17/08
9	418.1	CO2	JTP170	Carbonate	P-7252	10/17/08
10	468.1	CO2	JTP170	Carbonate	P-7252	10/17/08
11	518.1	CO2	JTP170	Carbonate	P-7252	10/17/08
12	568.2	CO2	JTP170	Carbonate	P-7252	10/17/08
13	618.2	CO2	JTP170	Carbonate	P-7252	10/17/08
4	168.2	CO2	JTP197a	Carbonate	P-7253	10/17/08
5	218.3	CO2	JTP197a	Carbonate	P-7253	10/17/08
6	268.3	CO2	JTP197a	Carbonate	P-7253	10/17/08
7	318.3	CO2	JTP197a	Carbonate	P-7253	10/17/08
8	368.3	CO2	JTP197a	Carbonate	P-7253	10/17/08
9	418.4	CO2	JTP197a	Carbonate	P-7253	10/17/08
10	468.4	CO2	JTP197a	Carbonate	P-7253	10/17/08
11	518.9	CO2	JTP197a	Carbonate	P-7253	10/17/08
12	568.5	CO2	JTP197a	Carbonate	P-7253	10/17/08
13	618.5	CO2	JTP197a	Carbonate	P-7253	10/17/08
4	167.7	CO2	JTP133	Carbonate	P-7254	10/17/08
5	217.7	CO2	JTP133	Carbonate	P-7254	10/17/08
6	268	CO2	JTP133	Carbonate	P-7254	10/17/08
7	317.9	CO2	JTP133	Carbonate	P-7254	10/17/08
8	368.1	CO2	JTP133	Carbonate	P-7254	10/17/08
9	418.1	CO2	JTP133	Carbonate	P-7254	10/17/08
10	468.1	CO2	JTP133	Carbonate	P-7254	10/17/08
11	518.1	CO2	JTP133	Carbonate	P-7254	10/17/08
12	568.1	CO2	JTP133	Carbonate	P-7254	10/17/08
13	618.1	CO2	JTP133	Carbonate	P-7254	10/17/08
4	168.3	CO2	JTP133Du	Carbonate	P-7255	10/17/08
5	218.3	CO2	JTP133Du	Carbonate	P-7255	10/17/08
6	268.4	CO2	JTP133Du	Carbonate	P-7255	10/17/08
7	318.4	CO2	JTP133Du	Carbonate	P-7255	10/17/08
8	368.5	CO2	JTP133Du	Carbonate	P-7255	10/17/08
9	418.5	CO2	JTP133Du	Carbonate	P-7255	10/17/08
10	468.5	CO2	JTP133Du	Carbonate	P-7255	10/17/08
11	518.8	CO2	JTP133Du	Carbonate	P-7255	10/17/08
12	568.5	CO2	JTP133Du	Carbonate	P-7255	10/17/08
13	618.6	CO2	JTP133Du	Carbonate	P-7255	10/17/08
4	168.8	CO2	JTP083a	Carbonate	P-7256	10/17/08
5	218.8	CO2	JTP083a	Carbonate	P-7256	10/17/08
6	268.8	CO2	JTP083a	Carbonate	P-7256	10/17/08
7	318.9	CO2	JTP083a	Carbonate	P-7256	10/17/08
8	368.9	CO2	JTP083a	Carbonate	P-7256	10/17/08
9	418.8	CO2	JTP083a	Carbonate	P-7256	10/17/08
10	468.8	CO2	JTP083a	Carbonate	P-7256	10/17/08
11	518.9	CO2	JTP083a	Carbonate	P-7256	10/17/08
12	569	CO2	JTP083a	Carbonate	P-7256	10/17/08
13	618.8	CO2	JTP083a	Carbonate	P-7256	10/17/08

Peak Nr.	Rt	Molecule Forr	Identifier 1	Identifier 2	Analysis	Date
4	170	CO2	JTP055b	Carbonate	P-7313	10/20/08
5	220	CO2	JTP055b	Carbonate	P-7313	10/20/08
6	270.2	CO2	JTP055b	Carbonate	P-7313	10/20/08
7	320.2	CO2	JTP055b	Carbonate	P-7313	10/20/08
8	370.2	CO2	JTP055b	Carbonate	P-7313	10/20/08
9	420.4	CO2	JTP055b	Carbonate	P-7313	10/20/08
10	470.4	CO2	JTP055b	Carbonate	P-7313	10/20/08
11	520.4	CO2	JTP055b	Carbonate	P-7313	10/20/08
12	570.4	CO2	JTP055b	Carbonate	P-7313	10/20/08
4	170.3	CO2	JTP090c	Carbonate	P-7314	10/20/08
5	220.3	CO2	JTP090c	Carbonate	P-7314	10/20/08
6	270.3	CO2	JTP090c	Carbonate	P-7314	10/20/08
7	321.3	CO2	JTP090c	Carbonate	P-7314	10/20/08
8	370.5	CO2	JTP090c	Carbonate	P-7314	10/20/08
9	420.5	CO2	JTP090c	Carbonate	P-7314	10/20/08
10	470.5	CO2	JTP090c	Carbonate	P-7314	10/20/08
11	520.5	CO2	JTP090c	Carbonate	P-7314	10/20/08
12	570.5	CO2	JTP090c	Carbonate	P-7314	10/20/08
4	169.8	CO2	JTP084	Carbonate	P-7315	10/20/08
5	220	CO2	JTP084	Carbonate	P-7315	10/20/08
6	270	CO2	JTP084	Carbonate	P-7315	10/20/08
7	319.9	CO2	JTP084	Carbonate	P-7315	10/20/08
8	370.2	CO2	JTP084	Carbonate	P-7315	10/20/08
9	420.1	CO2	JTP084	Carbonate	P-7315	10/20/08
10	470.1	CO2	JTP084	Carbonate	P-7315	10/20/08
11	520.3	CO2	JTP084	Carbonate	P-7315	10/20/08
12	570.3	CO2	JTP084	Carbonate	P-7315	10/20/08
4	169.8	CO2	JTP134b	Carbonate	P-7316	10/20/08
5	219.8	CO2	JTP134b	Carbonate	P-7316	10/20/08
6	270	CO2	JTP134b	Carbonate	P-7316	10/20/08
7	319.9	CO2	JTP134b	Carbonate	P-7316	10/20/08
8	370.1	CO2	JTP134b	Carbonate	P-7316	10/20/08
9	420.1	CO2	JTP134b	Carbonate	P-7316	10/20/08
10	470	CO2	JTP134b	Carbonate	P-7316	10/20/08
11	520.2	CO2	JTP134b	Carbonate	P-7316	10/20/08
12	570.2	CO2	JTP134b	Carbonate	P-7316	10/20/08
4	170	CO2	JTP185b	Carbonate	P-7317	10/20/08
5	220.3	CO2	JTP185b	Carbonate	P-7317	10/20/08
6	270.3	CO2	JTP185b	Carbonate	P-7317	10/20/08
7	320.2	CO2	JTP185b	Carbonate	P-7317	10/20/08
8	370.5	CO2	JTP185b	Carbonate	P-7317	10/20/08
9	420.5	CO2	JTP185b	Carbonate	P-7317	10/20/08
10	470.4	CO2	JTP185b	Carbonate	P-7317	10/20/08
11	520.4	CO2	JTP185b	Carbonate	P-7317	10/20/08
12	570.4	CO2	JTP185b	Carbonate	P-7317	10/20/08
4	169.6	CO2	NBS-19-2	Carbonate	P-7318	10/20/08
5	219.8	CO2	NBS-19-2	Carbonate	P-7318	10/20/08
6	269.7	CO2	NBS-19-2	Carbonate	P-7318	10/20/08

7	319.9	CO2	NBS-19-2	Carbonate	P-7318	10/20/08
8	369.8	CO2	NBS-19-2	Carbonate	P-7318	10/20/08
9	420	CO2	NBS-19-2	Carbonate	P-7318	10/20/08
10	470	CO2	NBS-19-2	Carbonate	P-7318	10/20/08
11	519.9	CO2	NBS-19-2	Carbonate	P-7318	10/20/08
12	570.1	CO2	NBS-19-2	Carbonate	P-7318	10/20/08
4	169.5	CO2	JTP015a	Carbonate	P-7319	10/20/08
5	219.8	CO2	JTP015a	Carbonate	P-7319	10/20/08
6	269.7	CO2	JTP015a	Carbonate	P-7319	10/20/08
7	319.9	CO2	JTP015a	Carbonate	P-7319	10/20/08
8	369.9	CO2	JTP015a	Carbonate	P-7319	10/20/08
9	420.1	CO2	JTP015a	Carbonate	P-7319	10/20/08
10	470	CO2	JTP015a	Carbonate	P-7319	10/20/08
11	520	CO2	JTP015a	Carbonate	P-7319	10/20/08
12	570	CO2	JTP015a	Carbonate	P-7319	10/20/08
13	619.9	CO2	JTP015a	Carbonate	P-7319	10/20/08
4	170.1	CO2	JTP016	Carbonate	P-7320	10/20/08
5	220	CO2	JTP016	Carbonate	P-7320	10/20/08
6	270	CO2	JTP016	Carbonate	P-7320	10/20/08
7	320.3	CO2	JTP016	Carbonate	P-7320	10/20/08
8	370.3	CO2	JTP016	Carbonate	P-7320	10/20/08
9	420.3	CO2	JTP016	Carbonate	P-7320	10/20/08
10	470.2	CO2	JTP016	Carbonate	P-7320	10/20/08
11	520.3	CO2	JTP016	Carbonate	P-7320	10/20/08
12	570.3	CO2	JTP016	Carbonate	P-7320	10/20/08
4	170.3	CO2	JTP059b	Carbonate	P-7321	10/20/08
5	220.4	CO2	JTP059b	Carbonate	P-7321	10/20/08
6	270.4	CO2	JTP059b	Carbonate	P-7321	10/20/08
7	320.4	CO2	JTP059b	Carbonate	P-7321	10/20/08
8	370.5	CO2	JTP059b	Carbonate	P-7321	10/20/08
9	420.5	CO2	JTP059b	Carbonate	P-7321	10/20/08
10	470.5	CO2	JTP059b	Carbonate	P-7321	10/20/08
11	520.6	CO2	JTP059b	Carbonate	P-7321	10/20/08
12	570.6	CO2	JTP059b	Carbonate	P-7321	10/20/08
4	169.5	CO2	JTP184	Carbonate	P-7322	10/20/08
5	219.5	CO2	JTP184	Carbonate	P-7322	10/20/08
6	269.7	CO2	JTP184	Carbonate	P-7322	10/20/08
7	319.6	CO2	JTP184	Carbonate	P-7322	10/20/08
8	369.6	CO2	JTP184	Carbonate	P-7322	10/20/08
9	419.8	CO2	JTP184	Carbonate	P-7322	10/20/08
10	469.8	CO2	JTP184	Carbonate	P-7322	10/20/08
11	519.7	CO2	JTP184	Carbonate	P-7322	10/20/08
12	569.9	CO2	JTP184	Carbonate	P-7322	10/20/08
13	619.7	CO2	JTP184	Carbonate	P-7322	10/20/08
4	169.3	CO2	JTP017	Carbonate	P-7323	10/20/08
5	219.2	CO2	JTP017	Carbonate	P-7323	10/20/08
6	269.4	CO2	JTP017	Carbonate	P-7323	10/20/08
7	319.3	CO2	JTP017	Carbonate	P-7323	10/20/08
8	369.5	CO2	JTP017	Carbonate	P-7323	10/20/08

9	420.5	CO2	JTP017	Carbonate	P-7323	10/20/08
10	469.6	CO2	JTP017	Carbonate	P-7323	10/20/08
11	519.6	CO2	JTP017	Carbonate	P-7323	10/20/08
12	569.5	CO2	JTP017	Carbonate	P-7323	10/20/08
13	619.5	CO2	JTP017	Carbonate	P-7323	10/20/08
4	169.3	CO2	JTP017Du	Carbonate	P-7324	10/20/08
5	219.2	CO2	JTP017Du	Carbonate	P-7324	10/20/08
6	269.4	CO2	JTP017Du	Carbonate	P-7324	10/20/08
7	319.3	CO2	JTP017Du	Carbonate	P-7324	10/20/08
8	369.5	CO2	JTP017Du	Carbonate	P-7324	10/20/08
9	419.4	CO2	JTP017Du	Carbonate	P-7324	10/20/08
10	469.6	CO2	JTP017Du	Carbonate	P-7324	10/20/08
11	519.5	CO2	JTP017Du	Carbonate	P-7324	10/20/08
12	569.5	CO2	JTP017Du	Carbonate	P-7324	10/20/08
13	619.7	CO2	JTP017Du	Carbonate	P-7324	10/20/08
4	169.3	CO2	JTP183	Carbonate	P-7325	10/20/08
5	219.5	CO2	JTP183	Carbonate	P-7325	10/20/08
6	269.5	CO2	JTP183	Carbonate	P-7325	10/20/08
7	319.7	CO2	JTP183	Carbonate	P-7325	10/20/08
8	369.6	CO2	JTP183	Carbonate	P-7325	10/20/08
9	419.6	CO2	JTP183	Carbonate	P-7325	10/20/08
10	469.9	CO2	JTP183	Carbonate	P-7325	10/20/08
11	519.8	CO2	JTP183	Carbonate	P-7325	10/20/08
12	569.8	CO2	JTP183	Carbonate	P-7325	10/20/08
13	619.8	CO2	JTP183	Carbonate	P-7325	10/20/08
4	169.8	CO2	JTP092a	Carbonate	P-7326	10/20/08
5	220	CO2	JTP092a	Carbonate	P-7326	10/20/08
6	270	CO2	JTP092a	Carbonate	P-7326	10/20/08
7	320	CO2	JTP092a	Carbonate	P-7326	10/20/08
8	370	CO2	JTP092a	Carbonate	P-7326	10/20/08
9	420	CO2	JTP092a	Carbonate	P-7326	10/20/08
10	470	CO2	JTP092a	Carbonate	P-7326	10/20/08
11	520.1	CO2	JTP092a	Carbonate	P-7326	10/20/08
12	570.1	CO2	JTP092a	Carbonate	P-7326	10/20/08
4	169.3	CO2	JTP014	Carbonate	P-7327	10/20/08
5	219.5	CO2	JTP014	Carbonate	P-7327	10/20/08
6	269.5	CO2	JTP014	Carbonate	P-7327	10/20/08
7	319.7	CO2	JTP014	Carbonate	P-7327	10/20/08
8	369.6	CO2	JTP014	Carbonate	P-7327	10/20/08
9	419.6	CO2	JTP014	Carbonate	P-7327	10/20/08
10	469.8	CO2	JTP014	Carbonate	P-7327	10/20/08
11	519.8	CO2	JTP014	Carbonate	P-7327	10/20/08
12	569.8	CO2	JTP014	Carbonate	P-7327	10/20/08
13	619.8	CO2	JTP014	Carbonate	P-7327	10/20/08
4	169.5	CO2	JTP135b	Carbonate	P-7328	10/20/08
5	219.5	CO2	JTP135b	Carbonate	P-7328	10/20/08
6	269.7	CO2	JTP135b	Carbonate	P-7328	10/20/08
7	319.7	CO2	JTP135b	Carbonate	P-7328	10/20/08
8	369.7	CO2	JTP135b	Carbonate	P-7328	10/20/08

9	419.7	CO2	JTP135b	Carbonate	P-7328	10/20/08
10	469.9	CO2	JTP135b	Carbonate	P-7328	10/20/08
11	519.9	CO2	JTP135b	Carbonate	P-7328	10/20/08
12	569.9	CO2	JTP135b	Carbonate	P-7328	10/20/08
13	619.9	CO2	JTP135b	Carbonate	P-7328	10/20/08
4	169.3	CO2	WSU Std A-4	Carbonate	P-7329	10/20/08
5	219.5	CO2	WSU Std A-4	Carbonate	P-7329	10/20/08
6	269.5	CO2	WSU Std A-4	Carbonate	P-7329	10/20/08
7	319.7	CO2	WSU Std A-4	Carbonate	P-7329	10/20/08
8	369.6	CO2	WSU Std A-4	Carbonate	P-7329	10/20/08
9	419.6	CO2	WSU Std A-4	Carbonate	P-7329	10/20/08
10	469.8	CO2	WSU Std A-4	Carbonate	P-7329	10/20/08
11	519.8	CO2	WSU Std A-4	Carbonate	P-7329	10/20/08
12	569.7	CO2	WSU Std A-4	Carbonate	P-7329	10/20/08
13	619.7	CO2	WSU Std A-4	Carbonate	P-7329	10/20/08
4	169.8	CO2	JTP163	Carbonate	P-7330	10/20/08
5	219.8	CO2	JTP163	Carbonate	P-7330	10/20/08
6	270	CO2	JTP163	Carbonate	P-7330	10/20/08
7	320	CO2	JTP163	Carbonate	P-7330	10/20/08
8	370	CO2	JTP163	Carbonate	P-7330	10/20/08
9	420	CO2	JTP163	Carbonate	P-7330	10/20/08
10	470.2	CO2	JTP163	Carbonate	P-7330	10/20/08
11	520.2	CO2	JTP163	Carbonate	P-7330	10/20/08
12	570.2	CO2	JTP163	Carbonate	P-7330	10/20/08
4	169.8	CO2	JTP059c	Carbonate	P-7331	10/20/08
5	219.8	CO2	JTP059c	Carbonate	P-7331	10/20/08
6	269.7	CO2	JTP059c	Carbonate	P-7331	10/20/08
7	320	CO2	JTP059c	Carbonate	P-7331	10/20/08
8	369.9	CO2	JTP059c	Carbonate	P-7331	10/20/08
9	419.9	CO2	JTP059c	Carbonate	P-7331	10/20/08
10	469.9	CO2	JTP059c	Carbonate	P-7331	10/20/08
11	520.2	CO2	JTP059c	Carbonate	P-7331	10/20/08
12	570.1	CO2	JTP059c	Carbonate	P-7331	10/20/08
4	169.6	CO2	JTP057	Carbonate	P-7332	10/20/08
5	219.5	CO2	JTP057	Carbonate	P-7332	10/20/08
6	269.7	CO2	JTP057	Carbonate	P-7332	10/20/08
7	319.7	CO2	JTP057	Carbonate	P-7332	10/20/08
8	369.7	CO2	JTP057	Carbonate	P-7332	10/20/08
9	419.9	CO2	JTP057	Carbonate	P-7332	10/20/08
10	469.9	CO2	JTP057	Carbonate	P-7332	10/20/08
11	519.9	CO2	JTP057	Carbonate	P-7332	10/20/08
12	569.9	CO2	JTP057	Carbonate	P-7332	10/20/08
13	619.8	CO2	JTP057	Carbonate	P-7332	10/20/08
4	169.8	CO2	JTP060	Carbonate	P-7333	10/20/08
5	219.8	CO2	JTP060	Carbonate	P-7333	10/20/08
6	270	CO2	JTP060	Carbonate	P-7333	10/20/08
7	320	CO2	JTP060	Carbonate	P-7333	10/20/08
8	370	CO2	JTP060	Carbonate	P-7333	10/20/08
9	420	CO2	JTP060	Carbonate	P-7333	10/20/08

10	470.2	CO2	JTP060	Carbonate	P-7333	10/20/08
11	520.2	CO2	JTP060	Carbonate	P-7333	10/20/08
12	570.2	CO2	JTP060	Carbonate	P-7333	10/20/08
4	170.1	CO2	JTP058	Carbonate	P-7334	10/20/08
5	220.1	CO2	JTP058	Carbonate	P-7334	10/20/08
6	270.1	CO2	JTP058	Carbonate	P-7334	10/20/08
7	320.4	CO2	JTP058	Carbonate	P-7334	10/20/08
8	370.4	CO2	JTP058	Carbonate	P-7334	10/20/08
9	420.4	CO2	JTP058	Carbonate	P-7334	10/20/08
10	470.4	CO2	JTP058	Carbonate	P-7334	10/20/08
11	520.4	CO2	JTP058	Carbonate	P-7334	10/20/08
12	570.5	CO2	JTP058	Carbonate	P-7334	10/20/08
4	170	CO2	JTP093a	Carbonate	P-7335	10/20/08
5	220	CO2	JTP093a	Carbonate	P-7335	10/20/08
6	270.3	CO2	JTP093a	Carbonate	P-7335	10/20/08
7	320.3	CO2	JTP093a	Carbonate	P-7335	10/20/08
8	370.4	CO2	JTP093a	Carbonate	P-7335	10/20/08
9	420.4	CO2	JTP093a	Carbonate	P-7335	10/20/08
10	470.4	CO2	JTP093a	Carbonate	P-7335	10/20/08
11	520.4	CO2	JTP093a	Carbonate	P-7335	10/20/08
12	573	CO2	JTP093a	Carbonate	P-7335	10/20/08
4	170	CO2	JTP093b	Carbonate	P-7336	10/20/08
5	220	CO2	JTP093b	Carbonate	P-7336	10/20/08
6	270.3	CO2	JTP093b	Carbonate	P-7336	10/20/08
7	320.3	CO2	JTP093b	Carbonate	P-7336	10/20/08
8	370.4	CO2	JTP093b	Carbonate	P-7336	10/20/08
9	420.4	CO2	JTP093b	Carbonate	P-7336	10/20/08
10	470.4	CO2	JTP093b	Carbonate	P-7336	10/20/08
11	520.4	CO2	JTP093b	Carbonate	P-7336	10/20/08
12	570.5	CO2	JTP093b	Carbonate	P-7336	10/20/08
4	169.8	CO2	JTP092b	Carbonate	P-7337	10/20/08
5	219.7	CO2	JTP092b	Carbonate	P-7337	10/20/08
6	269.7	CO2	JTP092b	Carbonate	P-7337	10/20/08
7	319.9	CO2	JTP092b	Carbonate	P-7337	10/20/08
8	369.9	CO2	JTP092b	Carbonate	P-7337	10/20/08
9	419.8	CO2	JTP092b	Carbonate	P-7337	10/20/08
10	469.8	CO2	JTP092b	Carbonate	P-7337	10/20/08
11	520	CO2	JTP092b	Carbonate	P-7337	10/20/08
12	570	CO2	JTP092b	Carbonate	P-7337	10/20/08
4	170.1	CO2	JTP092bDu	Carbonate	P-7338	10/20/08
5	220.1	CO2	JTP092bDu	Carbonate	P-7338	10/20/08
6	270.1	CO2	JTP092bDu	Carbonate	P-7338	10/20/08
7	320.1	CO2	JTP092bDu	Carbonate	P-7338	10/20/08
8	370.1	CO2	JTP092bDu	Carbonate	P-7338	10/20/08
9	420.1	CO2	JTP092bDu	Carbonate	P-7338	10/20/08
10	470.1	CO2	JTP092bDu	Carbonate	P-7338	10/20/08
11	520.2	CO2	JTP092bDu	Carbonate	P-7338	10/20/08
12	570.2	CO2	JTP092bDu	Carbonate	P-7338	10/20/08
4	169.8	CO2	JTP045b	Carbonate	P-7339	10/20/08

5	219.8	CO2	JTP045b	Carbonate	P-7339	10/20/08
6	269.8	CO2	JTP045b	Carbonate	P-7339	10/20/08
7	319.7	CO2	JTP045b	Carbonate	P-7339	10/20/08
8	370	CO2	JTP045b	Carbonate	P-7339	10/20/08
9	420	CO2	JTP045b	Carbonate	P-7339	10/20/08
10	470	CO2	JTP045b	Carbonate	P-7339	10/20/08
11	520	CO2	JTP045b	Carbonate	P-7339	10/20/08
12	570	CO2	JTP045b	Carbonate	P-7339	10/20/08
13	620	CO2	JTP045b	Carbonate	P-7339	10/20/08
4	169.5	CO2	WSU Std-5	Carbonate	P-7340	10/20/08
5	219.5	CO2	WSU Std-5	Carbonate	P-7340	10/20/08
6	269.7	CO2	WSU Std-5	Carbonate	P-7340	10/20/08
7	319.7	CO2	WSU Std-5	Carbonate	P-7340	10/20/08
8	369.6	CO2	WSU Std-5	Carbonate	P-7340	10/20/08
9	419.9	CO2	WSU Std-5	Carbonate	P-7340	10/20/08
10	469.8	CO2	WSU Std-5	Carbonate	P-7340	10/20/08
11	519.8	CO2	WSU Std-5	Carbonate	P-7340	10/20/08
12	569.8	CO2	WSU Std-5	Carbonate	P-7340	10/20/08
13	619.8	CO2	WSU Std-5	Carbonate	P-7340	10/20/08
4	169.8	CO2	JTP059a	Carbonate	P-7341	10/20/08
5	220	CO2	JTP059a	Carbonate	P-7341	10/20/08
6	270	CO2	JTP059a	Carbonate	P-7341	10/20/08
7	320	CO2	JTP059a	Carbonate	P-7341	10/20/08
8	370	CO2	JTP059a	Carbonate	P-7341	10/20/08
9	420	CO2	JTP059a	Carbonate	P-7341	10/20/08
10	470	CO2	JTP059a	Carbonate	P-7341	10/20/08
11	520.3	CO2	JTP059a	Carbonate	P-7341	10/20/08
12	570.3	CO2	JTP059a	Carbonate	P-7341	10/20/08
4	171.2	CO2	JTP018a	Carbonate	P-7342	10/20/08
5	221.1	CO2	JTP018a	Carbonate	P-7342	10/20/08
6	271.3	CO2	JTP018a	Carbonate	P-7342	10/20/08
7	321.2	CO2	JTP018a	Carbonate	P-7342	10/20/08
8	371.2	CO2	JTP018a	Carbonate	P-7342	10/20/08
9	421.4	CO2	JTP018a	Carbonate	P-7342	10/20/08
10	471.3	CO2	JTP018a	Carbonate	P-7342	10/20/08
11	521.3	CO2	JTP018a	Carbonate	P-7342	10/20/08
12	571.3	CO2	JTP018a	Carbonate	P-7342	10/20/08
4	170.1	CO2	JTP090a	Carbonate	P-7343	10/20/08
5	220.1	CO2	JTP090a	Carbonate	P-7343	10/20/08
6	270.1	CO2	JTP090a	Carbonate	P-7343	10/20/08
7	320.1	CO2	JTP090a	Carbonate	P-7343	10/20/08
8	370.7	CO2	JTP090a	Carbonate	P-7343	10/20/08
9	420.5	CO2	JTP090a	Carbonate	P-7343	10/20/08
10	470.5	CO2	JTP090a	Carbonate	P-7343	10/20/08
11	520.5	CO2	JTP090a	Carbonate	P-7343	10/20/08
12	570.3	CO2	JTP090a	Carbonate	P-7343	10/20/08
4	169.8	CO2	JTP090b	Carbonate	P-7345	10/20/08
5	220	CO2	JTP090b	Carbonate	P-7345	10/20/08
6	270	CO2	JTP090b	Carbonate	P-7345	10/20/08

7	320	CO2	JTP090b	Carbonate	P-7345	10/20/08
8	370.3	CO2	JTP090b	Carbonate	P-7345	10/20/08
9	420.3	CO2	JTP090b	Carbonate	P-7345	10/20/08
10	470.3	CO2	JTP090b	Carbonate	P-7345	10/20/08
11	520.3	CO2	JTP090b	Carbonate	P-7345	10/20/08
12	570.3	CO2	JTP090b	Carbonate	P-7345	10/20/08
4	170.1	CO2	JTP083b	Carbonate	P-7346	10/20/08
5	220.1	CO2	JTP083b	Carbonate	P-7346	10/20/08
6	270	CO2	JTP083b	Carbonate	P-7346	10/20/08
7	320	CO2	JTP083b	Carbonate	P-7346	10/20/08
8	370.1	CO2	JTP083b	Carbonate	P-7346	10/20/08
9	420.1	CO2	JTP083b	Carbonate	P-7346	10/20/08
10	470.4	CO2	JTP083b	Carbonate	P-7346	10/20/08
11	520.4	CO2	JTP083b	Carbonate	P-7346	10/20/08
12	570.4	CO2	JTP083b	Carbonate	P-7346	10/20/08
4	170	CO2	JTP055b(a)	Carbonate	P-7347	10/20/08
5	220.1	CO2	JTP055b(a)	Carbonate	P-7347	10/20/08
6	270	CO2	JTP055b(a)	Carbonate	P-7347	10/20/08
7	320.1	CO2	JTP055b(a)	Carbonate	P-7347	10/20/08
8	370.1	CO2	JTP055b(a)	Carbonate	P-7347	10/20/08
9	420.3	CO2	JTP055b(a)	Carbonate	P-7347	10/20/08
10	470.4	CO2	JTP055b(a)	Carbonate	P-7347	10/20/08
11	520.4	CO2	JTP055b(a)	Carbonate	P-7347	10/20/08
12	570.4	CO2	JTP055b(a)	Carbonate	P-7347	10/20/08
4	170	CO2	JTP030b	Carbonate	P-7348	10/20/08
5	220.3	CO2	JTP030b	Carbonate	P-7348	10/20/08
6	270.3	CO2	JTP030b	Carbonate	P-7348	10/20/08
7	320.3	CO2	JTP030b	Carbonate	P-7348	10/20/08
8	370.4	CO2	JTP030b	Carbonate	P-7348	10/20/08
9	421.9	CO2	JTP030b	Carbonate	P-7348	10/20/08
10	470.4	CO2	JTP030b	Carbonate	P-7348	10/20/08
11	520.4	CO2	JTP030b	Carbonate	P-7348	10/20/08
12	570.5	CO2	JTP030b	Carbonate	P-7348	10/20/08
4	169.8	CO2	JTP056b	Carbonate	P-7349	10/20/08
5	220	CO2	JTP056b	Carbonate	P-7349	10/20/08
6	270	CO2	JTP056b	Carbonate	P-7349	10/20/08
7	320	CO2	JTP056b	Carbonate	P-7349	10/20/08
8	370.2	CO2	JTP056b	Carbonate	P-7349	10/20/08
9	420.2	CO2	JTP056b	Carbonate	P-7349	10/20/08
10	470.2	CO2	JTP056b	Carbonate	P-7349	10/20/08
11	520.2	CO2	JTP056b	Carbonate	P-7349	10/20/08
12	570.4	CO2	JTP056b	Carbonate	P-7349	10/20/08
4	170	CO2	JTP056bDu	Carbonate	P-7350	10/20/08
5	220	CO2	JTP056bDu	Carbonate	P-7350	10/20/08
6	270	CO2	JTP056bDu	Carbonate	P-7350	10/20/08
7	320.2	CO2	JTP056bDu	Carbonate	P-7350	10/20/08
8	370.2	CO2	JTP056bDu	Carbonate	P-7350	10/20/08
9	420.2	CO2	JTP056bDu	Carbonate	P-7350	10/20/08
10	470.4	CO2	JTP056bDu	Carbonate	P-7350	10/20/08

11	520.4	CO2	JTP056bDu	Carbonate	P-7350	10/20/08
12	570.4	CO2	JTP056bDu	Carbonate	P-7350	10/20/08
4	170.3	CO2	WSU Std-6	Carbonate	P-7351	10/20/08
5	220.5	CO2	WSU Std-6	Carbonate	P-7351	10/20/08
6	270.5	CO2	WSU Std-6	Carbonate	P-7351	10/20/08
7	320.6	CO2	WSU Std-6	Carbonate	P-7351	10/20/08
8	370.6	CO2	WSU Std-6	Carbonate	P-7351	10/20/08
9	420.6	CO2	WSU Std-6	Carbonate	P-7351	10/20/08
10	470.6	CO2	WSU Std-6	Carbonate	P-7351	10/20/08
11	520.7	CO2	WSU Std-6	Carbonate	P-7351	10/20/08
12	570.7	CO2	WSU Std-6	Carbonate	P-7351	10/20/08
4	170.8	CO2	JTP029c	Carbonate	P-7352	10/20/08
5	220.8	CO2	JTP029c	Carbonate	P-7352	10/20/08
6	270.9	CO2	JTP029c	Carbonate	P-7352	10/20/08
7	320.9	CO2	JTP029c	Carbonate	P-7352	10/20/08
8	370.9	CO2	JTP029c	Carbonate	P-7352	10/20/08
9	421	CO2	JTP029c	Carbonate	P-7352	10/20/08
10	471.5	CO2	JTP029c	Carbonate	P-7352	10/20/08
11	521	CO2	JTP029c	Carbonate	P-7352	10/20/08
12	570.9	CO2	JTP029c	Carbonate	P-7352	10/20/08
4	171.1	CO2	JTP032	Carbonate	P-7353	10/20/08
5	221.2	CO2	JTP032	Carbonate	P-7353	10/20/08
6	271.3	CO2	JTP032	Carbonate	P-7353	10/20/08
7	321.2	CO2	JTP032	Carbonate	P-7353	10/20/08
8	371.3	CO2	JTP032	Carbonate	P-7353	10/20/08
9	421.4	CO2	JTP032	Carbonate	P-7353	10/20/08
10	471.3	CO2	JTP032	Carbonate	P-7353	10/20/08
11	521.4	CO2	JTP032	Carbonate	P-7353	10/20/08
12	571.3	CO2	JTP032	Carbonate	P-7353	10/20/08
4	169.8	CO2	JTP028a	Carbonate	P-7354	10/20/08
5	219.8	CO2	JTP028a	Carbonate	P-7354	10/20/08
6	270	CO2	JTP028a	Carbonate	P-7354	10/20/08
7	319.9	CO2	JTP028a	Carbonate	P-7354	10/20/08
8	370.1	CO2	JTP028a	Carbonate	P-7354	10/20/08
9	420.1	CO2	JTP028a	Carbonate	P-7354	10/20/08
10	470	CO2	JTP028a	Carbonate	P-7354	10/20/08
11	520.2	CO2	JTP028a	Carbonate	P-7354	10/20/08
12	570.2	CO2	JTP028a	Carbonate	P-7354	10/20/08
4	169.8	CO2	JTP165	Carbonate	P-7355	10/20/08
5	219.9	CO2	JTP165	Carbonate	P-7355	10/20/08
6	269.9	CO2	JTP165	Carbonate	P-7355	10/20/08
7	320.1	CO2	JTP165	Carbonate	P-7355	10/20/08
8	370	CO2	JTP165	Carbonate	P-7355	10/20/08
9	420.3	CO2	JTP165	Carbonate	P-7355	10/20/08
10	470.2	CO2	JTP165	Carbonate	P-7355	10/20/08
11	520.2	CO2	JTP165	Carbonate	P-7355	10/20/08
12	570.1	CO2	JTP165	Carbonate	P-7355	10/20/08
4	170.6	CO2	JTP030a	Carbonate	P-7356	10/20/08
5	220.9	CO2	JTP030a	Carbonate	P-7356	10/20/08

6	270.9	CO2	JTP030a	Carbonate	P-7356	10/20/08
7	320.9	CO2	JTP030a	Carbonate	P-7356	10/20/08
8	370.9	CO2	JTP030a	Carbonate	P-7356	10/20/08
9	421	CO2	JTP030a	Carbonate	P-7356	10/20/08
10	471	CO2	JTP030a	Carbonate	P-7356	10/20/08
11	521.3	CO2	JTP030a	Carbonate	P-7356	10/20/08
12	571.1	CO2	JTP030a	Carbonate	P-7356	10/20/08
4	170.3	CO2	JTP056a	Carbonate	P-7357	10/20/08
5	220.5	CO2	JTP056a	Carbonate	P-7357	10/20/08
6	270.5	CO2	JTP056a	Carbonate	P-7357	10/20/08
7	320.5	CO2	JTP056a	Carbonate	P-7357	10/20/08
8	370.5	CO2	JTP056a	Carbonate	P-7357	10/20/08
9	420.8	CO2	JTP056a	Carbonate	P-7357	10/20/08
10	470.8	CO2	JTP056a	Carbonate	P-7357	10/20/08
11	520.8	CO2	JTP056a	Carbonate	P-7357	10/20/08
12	570.8	CO2	JTP056a	Carbonate	P-7357	10/20/08
4	170.3	CO2	JTP031a	Carbonate	P-7358	10/20/08
5	220.3	CO2	JTP031a	Carbonate	P-7358	10/20/08
6	270.5	CO2	JTP031a	Carbonate	P-7358	10/20/08
7	320.4	CO2	JTP031a	Carbonate	P-7358	10/20/08
8	370.4	CO2	JTP031a	Carbonate	P-7358	10/20/08
9	420.6	CO2	JTP031a	Carbonate	P-7358	10/20/08
10	470.6	CO2	JTP031a	Carbonate	P-7358	10/20/08
11	520.6	CO2	JTP031a	Carbonate	P-7358	10/20/08
12	570.5	CO2	JTP031a	Carbonate	P-7358	10/20/08
4	170.6	CO2	JTP029a	Carbonate	P-7359	10/20/08
5	220.5	CO2	JTP029a	Carbonate	P-7359	10/20/08
6	270.5	CO2	JTP029a	Carbonate	P-7359	10/20/08
7	320.8	CO2	JTP029a	Carbonate	P-7359	10/20/08
8	370.8	CO2	JTP029a	Carbonate	P-7359	10/20/08
9	420.8	CO2	JTP029a	Carbonate	P-7359	10/20/08
10	470.8	CO2	JTP029a	Carbonate	P-7359	10/20/08
11	520.8	CO2	JTP029a	Carbonate	P-7359	10/20/08
12	570.8	CO2	JTP029a	Carbonate	P-7359	10/20/08
4	170.8	CO2	JTP029b	Carbonate	P-7360	10/20/08
5	220.8	CO2	JTP029b	Carbonate	P-7360	10/20/08
6	270.8	CO2	JTP029b	Carbonate	P-7360	10/20/08
7	320.8	CO2	JTP029b	Carbonate	P-7360	10/20/08
8	370.8	CO2	JTP029b	Carbonate	P-7360	10/20/08
9	420.9	CO2	JTP029b	Carbonate	P-7360	10/20/08
10	471.1	CO2	JTP029b	Carbonate	P-7360	10/20/08
11	521.2	CO2	JTP029b	Carbonate	P-7360	10/20/08
12	572.5	CO2	JTP029b	Carbonate	P-7360	10/20/08
4	170.3	CO2	JTP164	Carbonate	P-7361	10/20/08
5	220.5	CO2	JTP164	Carbonate	P-7361	10/20/08
6	270.5	CO2	JTP164	Carbonate	P-7361	10/20/08
7	320.7	CO2	JTP164	Carbonate	P-7361	10/20/08
8	370.7	CO2	JTP164	Carbonate	P-7361	10/20/08
9	420.6	CO2	JTP164	Carbonate	P-7361	10/20/08

10	470.6	CO2	JTP164	Carbonate	P-7361	10/20/08
11	520.8	CO2	JTP164	Carbonate	P-7361	10/20/08
12	570.8	CO2	JTP164	Carbonate	P-7361	10/20/08
4	170.8	CO2	JTP166	Carbonate	P-7362	10/20/08
5	220.8	CO2	JTP166	Carbonate	P-7362	10/20/08
6	270.8	CO2	JTP166	Carbonate	P-7362	10/20/08
7	320.8	CO2	JTP166	Carbonate	P-7362	10/20/08
8	371.1	CO2	JTP166	Carbonate	P-7362	10/20/08
9	421.1	CO2	JTP166	Carbonate	P-7362	10/20/08
10	471.1	CO2	JTP166	Carbonate	P-7362	10/20/08
11	521.2	CO2	JTP166	Carbonate	P-7362	10/20/08
12	571.2	CO2	JTP166	Carbonate	P-7362	10/20/08
4	170.5	CO2	JTP166Du	Carbonate	P-7363	10/20/08
5	220.8	CO2	JTP166Du	Carbonate	P-7363	10/20/08
6	270.7	CO2	JTP166Du	Carbonate	P-7363	10/20/08
7	320.7	CO2	JTP166Du	Carbonate	P-7363	10/20/08
8	371	CO2	JTP166Du	Carbonate	P-7363	10/20/08
9	421	CO2	JTP166Du	Carbonate	P-7363	10/20/08
10	471	CO2	JTP166Du	Carbonate	P-7363	10/20/08
11	520.9	CO2	JTP166Du	Carbonate	P-7363	10/20/08
12	570.9	CO2	JTP166Du	Carbonate	P-7363	10/20/08
4	170.5	CO2	JTP027	Carbonate	P-7364	10/20/08
5	220.5	CO2	JTP027	Carbonate	P-7364	10/20/08
6	270.7	CO2	JTP027	Carbonate	P-7364	10/20/08
7	320.7	CO2	JTP027	Carbonate	P-7364	10/20/08
8	370.9	CO2	JTP027	Carbonate	P-7364	10/20/08
9	420.9	CO2	JTP027	Carbonate	P-7364	10/20/08
10	470.8	CO2	JTP027	Carbonate	P-7364	10/20/08
11	521	CO2	JTP027	Carbonate	P-7364	10/20/08
12	571	CO2	JTP027	Carbonate	P-7364	10/20/08
4	170.8	CO2	JTP028b	Carbonate	P-7365	10/20/08
5	220.8	CO2	JTP028b	Carbonate	P-7365	10/20/08
6	270.8	CO2	JTP028b	Carbonate	P-7365	10/20/08
7	321	CO2	JTP028b	Carbonate	P-7365	10/20/08
8	371	CO2	JTP028b	Carbonate	P-7365	10/20/08
9	421	CO2	JTP028b	Carbonate	P-7365	10/20/08
10	471	CO2	JTP028b	Carbonate	P-7365	10/20/08
11	521.2	CO2	JTP028b	Carbonate	P-7365	10/20/08
12	571.2	CO2	JTP028b	Carbonate	P-7365	10/20/08
4	171.3	CO2	JTP162	Carbonate	P-7366	10/21/08
5	221.3	CO2	JTP162	Carbonate	P-7366	10/21/08
6	271.4	CO2	JTP162	Carbonate	P-7366	10/21/08
7	321.4	CO2	JTP162	Carbonate	P-7366	10/21/08
8	371.4	CO2	JTP162	Carbonate	P-7366	10/21/08
9	421.5	CO2	JTP162	Carbonate	P-7366	10/21/08
10	471.5	CO2	JTP162	Carbonate	P-7366	10/21/08
11	521.6	CO2	JTP162	Carbonate	P-7366	10/21/08
12	571.6	CO2	JTP162	Carbonate	P-7366	10/21/08
4	170.8	CO2	JTP182	Carbonate	P-7367	10/21/08

5	220.8	CO2	JTP182	Carbonate	P-7367	10/21/08
6	270.8	CO2	JTP182	Carbonate	P-7367	10/21/08
7	321	CO2	JTP182	Carbonate	P-7367	10/21/08
8	371	CO2	JTP182	Carbonate	P-7367	10/21/08
9	420.9	CO2	JTP182	Carbonate	P-7367	10/21/08
10	471.1	CO2	JTP182	Carbonate	P-7367	10/21/08
11	521.1	CO2	JTP182	Carbonate	P-7367	10/21/08
12	571.1	CO2	JTP182	Carbonate	P-7367	10/21/08
4	171.1	CO2	NBS-19-3	Carbonate	P-7368	10/21/08
5	221.3	CO2	NBS-19-3	Carbonate	P-7368	10/21/08
6	271.3	CO2	NBS-19-3	Carbonate	P-7368	10/21/08
7	321.3	CO2	NBS-19-3	Carbonate	P-7368	10/21/08
8	371.6	CO2	NBS-19-3	Carbonate	P-7368	10/21/08
9	421.3	CO2	NBS-19-3	Carbonate	P-7368	10/21/08
10	471.4	CO2	NBS-19-3	Carbonate	P-7368	10/21/08
11	521.6	CO2	NBS-19-3	Carbonate	P-7368	10/21/08
12	571.4	CO2	NBS-19-3	Carbonate	P-7368	10/21/08

Time	BGD 44	Ampl. 44	BGD 45	Ampl. 45	BGD 46	Ampl. 46
13:03:46	5	6148	5.5	7001	6.7	8246
13:03:46	5.5	5972	6.2	6811	7.4	8008
13:03:46	5.6	5801	6.3	6612	7.5	7787
13:03:46	5.6	5647	6.3	6412	7.6	7578
13:03:46	5.7	5489	6.4	6239	7.7	7365
13:03:46	5.7	5326	6.4	6061	7.7	7144
13:03:46	5.6	5167	6.4	5884	7.6	6931
13:03:46	5.6	5009	6.3	5707	7.6	6717
13:03:46	5.5	4866	6.3	5534	7.5	6527
13:03:46	5.5	4719	6.2	5356	7.5	6332
13:18:42	5	6002	5.7	6899	6.8	8245
13:18:42	5.5	5835	6.2	6714	7.5	8015
13:18:42	5.6	5660	6.4	6523	7.6	7773
13:18:42	5.6	5495	6.4	6338	7.6	7544
13:18:42	5.6	5340	6.4	6134	7.7	7337
13:18:42	5.6	5172	6.4	5966	7.7	7109
13:18:42	5.6	5024	6.4	5791	7.6	6905
13:18:42	5.5	4875	6.3	5613	7.5	6699
13:18:42	5.5	4728	6.3	5450	7.5	6490
13:18:42	5.4	4595	6.2	5286	7.5	6311
13:33:40	5	2589	5.6	2961	6.8	3557
13:33:40	4.8	2508	5.5	2863	6.6	3447
13:33:40	4.7	2427	5.4	2764	6.5	3337
13:33:40	4.6	2344	5.3	2676	6.3	3223
13:33:40	4.6	2270	5.2	2593	6.3	3120
13:33:40	4.5	2198	5.1	2501	6.2	3022
13:33:40	4.5	2126	5.1	2424	6.1	2924
13:33:40	4.4	2057	5	2349	6.1	2827
13:33:40	4.4	1989	5	2273	6	2733
13:33:40	4.3	1928	4.9	2196	5.9	2651
13:48:38	4.8	7537	5.5	8656	6.6	10320
13:48:38	5.7	7353	6.4	8432	7.8	10065
13:48:38	5.9	7148	6.6	8221	8	9780
13:48:38	5.9	6960	6.7	7994	8.1	9530
13:48:38	6	6778	6.8	7759	8.2	9279
13:48:38	6	6595	6.8	7560	8.2	9026
13:48:38	5.9	6402	6.8	7354	8.1	8760
13:48:38	5.9	6216	6.8	7139	8.1	8513
13:48:38	5.9	6038	6.7	6933	8	8269
13:48:38	5.8	5865	6.6	6732	8	8032
14:03:34	5	10900	5.6	12574	6.8	13681
14:03:34	6.7	10689	7.6	12353	9.1	13678
14:03:34	7.1	10516	8	12105	9.7	13678
14:03:34	7.3	10307	8.3	11875	9.9	13678
14:03:34	7.4	10100	8.4	11641	10.2	13677
14:03:34	7.4	9901	8.5	11371	10.2	13537
14:03:34	7.4	9669	8.4	11154	10.2	13213
14:03:34	7.4	9484	8.4	10886	10.1	12965

14:03:34	7.3	9272	8.4	10664	10.1	12671
14:03:34	7.3	9052	8.3	10429	10	12366
14:18:30	5.2	4840	5.8	5552	7	6623
14:18:30	5.4	4694	6.1	5375	7.4	6424
14:18:30	5.4	4546	6.1	5207	7.4	6223
14:18:30	5.4	4408	6.1	5048	7.4	6032
14:18:30	5.3	4278	6.1	4892	7.4	5853
14:18:30	5.3	4143	6	4737	7.3	5669
14:18:30	5.2	4013	6	4592	7.2	5491
14:18:30	5.2	3886	5.9	4446	7.1	5318
14:18:30	5.1	3764	5.9	4314	7.1	5146
14:18:30	5.1	3650	5.8	4172	6.9	4992
14:33:25	4.9	6397	5.6	7330	6.7	8749
14:33:25	5.5	6206	6.3	7129	7.6	8484
14:33:25	5.6	6034	6.4	6914	7.7	8256
14:33:25	5.6	5868	6.4	6711	7.7	8027
14:33:25	5.6	5692	6.4	6527	7.8	7782
14:33:25	5.6	5513	6.4	6331	7.7	7541
14:33:25	5.6	5356	6.4	6145	7.7	7323
14:33:25	5.6	5189	6.4	5959	7.6	7101
14:33:25	5.5	5043	6.3	5783	7.6	6894
14:33:25	5.5	4896	6.2	5600	7.5	6696
14:48:21	5	7577	5.6	8691	6.8	10342
14:48:21	5.8	7373	6.5	8465	7.9	10072
14:48:21	5.9	7195	6.7	8224	8.2	9826
14:48:21	6	7004	6.8	8021	8.2	9563
14:48:21	6	6800	6.9	7807	8.3	9281
14:48:21	6	6615	6.8	7586	8.3	9038
14:48:21	6	6441	6.8	7362	8.2	8798
14:48:21	5.9	6265	6.8	7165	8.2	8555
14:48:21	5.9	6090	6.7	6966	8.1	8316
14:48:21	5.8	5912	6.7	6758	8	8073
15:03:17	5	9688	5.6	11155	6.8	13234
15:03:17	6.3	9485	7.2	10906	8.6	12966
15:03:17	6.6	9268	7.5	10670	9	12661
15:03:17	6.7	9057	7.7	10408	9.3	12382
15:03:17	6.8	8845	7.8	10175	9.4	12085
15:03:17	6.8	8626	7.8	9925	9.4	11794
15:03:17	6.8	8424	7.7	9670	9.4	11513
15:03:17	6.8	8193	7.7	9441	9.3	11203
15:03:17	6.7	7995	7.7	9194	9.1	10932
15:03:17	6.7	7793	7.6	8940	9.1	10653
15:18:10	5.1	3340	5.7	3828	7	4570
15:18:10	5	3226	5.7	3699	7	4412
15:18:10	5	3127	5.6	3580	6.8	4275
15:18:10	4.9	3029	5.6	3463	6.7	4142
15:18:10	4.8	2930	5.5	3345	6.6	4007
15:18:10	4.8	2831	5.4	3237	6.5	3873
15:18:10	4.7	2739	5.4	3137	6.5	3744

15:18:10	4.6	2655	5.3	3035	6.5	3630
15:18:10	4.6	2564	5.2	2932	6.3	3507
15:18:10	4.5	2484	5.2	2838	6.3	3396
15:33:05	4.8	4887	5.5	5597	6.7	6692
15:33:05	5.1	4742	5.8	5428	7.1	6494
15:33:05	5.1	4606	5.8	5260	7.1	6307
15:33:05	5.1	4470	5.8	5099	7.1	6121
15:33:05	5.1	4338	5.8	4943	7	5939
15:33:05	5.1	4200	5.8	4790	7	5751
15:33:05	5	4077	5.7	4646	7	5580
15:33:05	5	3946	5.7	4501	7	5405
15:33:05	5	3820	5.7	4366	6.9	5227
15:33:05	4.9	3708	5.6	4227	6.8	5075
15:47:59	4.8	7853	5.5	8995	6.7	10740
15:47:59	5.7	7645	6.5	8775	7.9	10452
15:47:59	5.9	7448	6.7	8537	8.2	10192
15:47:59	6	7261	6.8	8308	8.3	9933
15:47:59	6	7069	6.9	8100	8.4	9668
15:47:59	6	6866	6.9	7879	8.3	9388
15:47:59	6	6673	6.8	7654	8.3	9133
15:47:59	6	6500	6.8	7427	8.2	8892
15:47:59	5.9	6319	6.8	7220	8.1	8644
15:47:59	5.8	6140	6.7	7016	8.1	8400
16:02:52	5	8427	5.6	9603	6.8	11313
16:02:52	5.9	8224	6.7	9361	8.1	11046
16:02:52	6.2	8028	7	9135	8.4	10779
16:02:52	6.2	7808	7.1	8911	8.5	10479
16:02:52	6.3	7620	7.1	8662	8.6	10235
16:02:52	6.3	7427	7.2	8442	8.6	9972
16:02:52	6.3	7224	7.1	8227	8.6	9698
16:02:52	6.2	7028	7	8013	8.5	9433
16:02:52	6.2	6857	7	7810	8.5	9203
16:02:52	6.1	6676	6.9	7602	8.4	8962
16:17:46	5	5700	5.6	6508	6.9	7810
16:17:46	5.4	5530	6.1	6316	7.5	7575
16:17:46	5.5	5366	6.2	6132	7.5	7350
16:17:46	5.4	5204	6.2	5948	7.5	7128
16:17:46	5.4	5045	6.2	5768	7.5	6910
16:17:46	5.4	4892	6.1	5593	7.4	6700
16:17:46	5.4	4746	6.1	5423	7.4	6500
16:17:46	5.3	4598	6.1	5255	7.3	6298
16:17:46	5.2	4458	6	5087	7.3	6107
16:17:46	5.2	4318	5.9	4919	7.2	5917
16:32:39	4.9	2954	5.5	3376	6.8	4042
16:32:39	4.8	2856	5.4	3265	6.7	3908
16:32:39	4.7	2770	5.4	3157	6.5	3787
16:32:39	4.6	2678	5.2	3046	6.4	3663
16:32:39	4.5	2590	5.2	2953	6.3	3542
16:32:39	4.5	2508	5.1	2859	6.3	3430

16:32:39	4.4	2427	5.1	2765	6.2	3318
16:32:39	4.4	2340	5	2674	6.1	3200
16:32:39	4.4	2272	5	2587	6	3106
16:32:39	4.3	2191	4.9	2503	6	2997
16:47:35	4.8	7020	5.4	8022	6.6	9606
16:47:35	5.4	6831	6.2	7823	7.5	9345
16:47:35	5.6	6635	6.4	7608	7.7	9084
16:47:35	5.6	6465	6.4	7379	7.8	8850
16:47:35	5.7	6285	6.5	7188	7.9	8601
16:47:35	5.7	6101	6.5	6989	7.9	8344
16:47:35	5.6	5919	6.4	6784	7.8	8103
16:47:35	5.6	5760	6.4	6580	7.7	7886
16:47:35	5.6	5591	6.3	6390	7.7	7655
16:47:35	5.5	5418	6.3	6210	7.7	7418
17:02:29	4.9	2354	5.5	2690	6.7	3229
17:02:29	4.6	2280	5.3	2601	6.4	3125
17:02:29	4.5	2206	5.1	2510	6.2	3023
17:02:29	4.4	2129	5	2425	6.1	2920
17:02:29	4.3	2061	4.9	2350	6.1	2824
17:02:29	4.3	1991	4.9	2271	6	2731
17:02:29	4.2	1927	4.8	2199	5.9	2640
17:02:29	4.2	1868	4.8	2124	5.8	2561
17:02:29	4.1	1806	4.7	2056	5.7	2475
17:02:29	4.1	1742	4.7	1989	5.7	2389
17:17:24	4.7	6511	5.3	7442	6.5	8903
17:17:24	5.3	6332	6	7248	7.3	8656
17:17:24	5.4	6147	6.2	7047	7.5	8402
17:17:24	5.5	5967	6.2	6845	7.6	8155
17:17:24	5.5	5795	6.2	6645	7.6	7928
17:17:24	5.5	5629	6.2	6448	7.6	7701
17:17:24	5.4	5465	6.2	6254	7.6	7476
17:17:24	5.4	5306	6.2	6069	7.5	7258
17:17:24	5.3	5140	6.1	5895	7.5	7028
17:17:24	5.3	4993	6.1	5717	7.3	6825
17:32:19	4.8	8626	5.5	9887	6.7	11836
17:32:19	5.8	8395	6.6	9650	8.1	11527
17:32:19	6.1	8204	6.9	9403	8.5	11258
17:32:19	6.2	7999	7	9176	8.6	10975
17:32:19	6.2	7781	7.1	8932	8.7	10685
17:32:19	6.2	7594	7.1	8679	8.7	10423
17:32:19	6.2	7390	7.1	8461	8.6	10142
17:32:19	6.2	7184	7.1	8238	8.6	9856
17:32:19	6.1	6979	7	8011	8.5	9585
17:32:19	6.1	6799	6.9	7790	8.5	9329
17:47:12	4.9	7569	5.6	8680	6.9	10368
17:47:12	5.7	7384	6.5	8444	7.9	10111
17:47:12	5.9	7181	6.7	8230	8.1	9828
17:47:12	5.9	6971	6.7	8003	8.2	9551
17:47:12	5.9	6797	6.8	7762	8.2	9309

17:47:12	5.9	6611	6.8	7562	8.2	9051
17:47:12	5.9	6414	6.7	7354	8.2	8778
17:47:12	5.8	6238	6.7	7138	8.2	8543
17:47:12	5.8	6057	6.6	6931	8.1	8297
17:47:12	5.7	5882	6.6	6736	8	8058
18:02:09	4.9	9861	5.6	11281	6.8	13466
18:02:09	6.2	9630	7.1	11072	8.7	13149
18:02:09	6.6	9438	7.5	10805	9.1	12886
18:02:09	6.7	9192	7.6	10566	9.3	12560
18:02:09	6.8	9014	7.7	10312	9.4	12310
18:02:09	6.8	8782	7.7	10084	9.4	11985
18:02:09	6.8	8585	7.7	9810	9.4	11725
18:02:09	6.7	8359	7.7	9592	9.3	11408
18:02:09	6.7	8144	7.6	9344	9.2	11127
18:02:09	6.6	7946	7.6	9101	9.2	10857
18:17:04	5	6406	5.7	7319	7	8758
18:17:04	5.5	6220	6.3	7119	7.7	8503
18:17:04	5.6	6044	6.4	6913	7.9	8268
18:17:04	5.6	5880	6.4	6706	7.8	8042
18:17:04	5.6	5710	6.4	6519	7.9	7808
18:17:04	5.6	5544	6.4	6336	7.7	7580
18:17:04	5.6	5378	6.4	6149	7.7	7352
18:17:04	5.5	5215	6.3	5967	7.7	7129
18:17:04	5.4	5070	6.2	5792	7.6	6931
18:17:04	5.4	4920	6.2	5618	7.6	6727
18:32:00	4.9	6075	5.5	6952	6.8	8245
18:32:00	5.4	5914	6.1	6741	7.5	8026
18:32:00	5.5	5751	6.2	6548	7.6	7803
18:32:00	5.5	5585	6.2	6365	7.6	7577
18:32:00	5.5	5422	6.2	6184	7.6	7355
18:32:00	5.4	5261	6.2	6002	7.6	7138
18:32:00	5.4	5102	6.2	5821	7.5	6919
18:32:00	5.3	4948	6.1	5646	7.4	6710
18:32:00	5.3	4805	6.1	5477	7.4	6517
18:32:00	5.3	4658	6	5300	7.3	6320
18:46:55	4.9	7342	5.5	8341	6.8	9863
18:46:55	5.6	7135	6.4	8131	7.8	9592
18:46:55	5.8	6962	6.5	7896	8	9357
18:46:55	5.8	6780	6.6	7697	8	9110
18:46:55	5.8	6576	6.6	7489	8.1	8842
18:46:55	5.8	6406	6.7	7272	8	8612
18:46:55	5.8	6238	6.6	7079	8	8381
18:46:55	5.8	6053	6.6	6884	8	8128
18:46:55	5.7	5883	6.5	6687	7.9	7902
18:46:55	5.7	5715	6.4	6495	7.8	7676
19:01:52	4.9	6337	5.5	7241	6.8	8675
19:01:52	5.4	6144	6.1	7036	7.5	8416
19:01:52	5.5	5983	6.3	6822	7.7	8196
19:01:52	5.5	5814	6.3	6628	7.7	7963

19:01:52	5.5	5640	6.3	6444	7.7	7721
19:01:52	5.5	5479	6.3	6256	7.7	7502
19:01:52	5.5	5316	6.3	6071	7.6	7278
19:01:52	5.4	5151	6.2	5886	7.6	7051
19:01:52	5.4	5002	6.1	5708	7.5	6849
19:01:52	5.3	4854	6.1	5531	7.5	6647
19:16:48	4.8	4980	5.5	5666	6.8	6754
19:16:48	5.1	4832	5.8	5503	7.2	6552
19:16:48	5.1	4683	5.9	5334	7.2	6348
19:16:48	5.1	4538	5.9	5174	7.1	6152
19:16:48	5.1	4398	5.8	5016	7.1	5962
19:16:48	5.1	4263	5.8	4862	7	5778
19:16:48	5	4130	5.8	4712	7	5598
19:16:48	5	3998	5.7	4556	6.9	5423
19:16:48	5	3878	5.7	4421	6.9	5257
19:16:48	4.9	3754	5.6	4269	6.8	5091
19:31:44	4.8	7929	5.4	9077	6.7	10846
19:31:44	5.7	7714	6.4	8854	7.9	10558
19:31:44	5.9	7534	6.7	8599	8.2	10310
19:31:44	5.9	7336	6.8	8398	8.2	10035
19:31:44	6	7146	6.8	8161	8.3	9780
19:31:44	6	6952	6.8	7932	8.3	9514
19:31:44	6	6767	6.8	7732	8.3	9259
19:31:44	5.9	6574	6.8	7525	8.2	8993
19:31:44	5.9	6385	6.7	7311	8.2	8733
19:31:44	5.8	6201	6.7	7103	8.1	8480
19:46:41	4.9	5422	5.5	6189	6.8	7420
19:46:41	5.2	5262	6	6012	7.3	7200
19:46:41	5.3	5105	6	5833	7.4	6984
19:46:41	5.3	4953	6	5659	7.3	6777
19:46:41	5.3	4804	6	5490	7.4	6573
19:46:41	5.2	4659	6	5325	7.3	6375
19:46:41	5.2	4513	5.9	5162	7.2	6173
19:46:41	5.1	4372	5.9	5002	7.2	5987
19:46:41	5.1	4245	5.8	4852	7.1	5807
19:46:41	5	4117	5.8	4700	7	5633
20:01:37	4.8	4180	5.4	4776	6.6	5712
20:01:37	4.9	4055	5.6	4629	6.8	5540
20:01:37	4.9	3929	5.6	4484	6.9	5369
20:01:37	4.9	3805	5.6	4346	6.8	5199
20:01:37	4.9	3693	5.6	4207	6.7	5044
20:01:37	4.8	3571	5.5	4087	6.8	4874
20:01:37	4.8	3462	5.4	3959	6.7	4726
20:01:37	4.7	3358	5.4	3833	6.6	4586
20:01:37	4.7	3249	5.3	3703	6.5	4439
20:01:37	4.6	3145	5.3	3594	6.5	4294

Time	BGD 44	Ampl. 44	BGD 45	Ampl. 45	BGD 46	Ampl. 46
10:54:35	5.2	7718	5.8	8862	6.9	10609
10:54:35	6	7517	6.8	8653	8.1	10332
10:54:35	6.2	7300	7	8421	8.3	10042
10:54:35	6.5	7125	7.4	8173	8.9	9796
10:54:35	6.7	6931	7.6	7974	9.1	9525
10:54:35	6.6	6718	7.4	7747	8.9	9240
10:54:35	6.4	6543	7.2	7505	8.6	8997
10:54:35	6.3	6359	7.1	7298	8.5	8742
10:54:35	6.2	6174	7	7080	8.4	8489
11:09:30	5.2	6398	5.7	7350	6.9	8737
11:09:30	5.7	6215	6.4	7154	7.7	8486
11:09:30	5.8	6020	6.6	6946	7.9	8225
11:09:30	5.8	5842	6.5	6739	7.8	7979
11:09:30	6	5692	6.8	6534	8	7773
11:09:30	5.9	5523	6.7	6347	8	7541
11:09:30	5.8	5349	6.6	6159	7.9	7302
11:09:30	5.8	5182	6.5	5973	7.8	7075
11:09:30	5.7	5026	6.5	5788	7.7	6861
11:24:25	5.1	8389	5.7	9668	6.8	11446
11:24:25	6.1	8168	6.9	9436	8.3	11154
11:24:25	6.3	7980	7.2	9183	8.6	10893
11:24:25	6.4	7768	7.3	8967	8.7	10599
11:24:25	6.5	7569	7.4	8730	8.8	10336
11:24:25	6.5	7381	7.4	8485	8.8	10075
11:24:25	6.5	7176	7.4	8277	8.8	9790
11:24:25	6.4	6981	7.3	8044	8.7	9532
11:24:25	6.4	6788	7.2	7820	8.7	9269
11:39:19	5.1	8522	5.8	9804	7	11623
11:39:19	6.2	8298	7	9590	8.4	11314
11:39:19	6.4	8112	7.3	9326	8.7	11067
11:39:19	6.5	7899	7.4	9112	8.8	10771
11:39:19	6.6	7694	7.5	8869	8.9	10499
11:39:19	6.6	7500	7.5	8630	8.9	10231
11:39:19	6.5	7281	7.4	8411	8.9	9939
11:39:19	6.5	7102	7.4	8159	8.8	9690
11:39:19	6.4	6914	7.3	7939	8.7	9432
11:54:14	5.1	6572	5.8	7569	6.9	8945
11:54:14	5.8	6392	6.5	7341	7.9	8709
11:54:14	5.9	6218	6.6	7134	7.6	8470
11:54:14	5.9	6035	6.6	6937	7.9	8218
11:54:14	5.9	5848	6.7	6735	8	7969
11:54:14	5.9	5689	6.7	6528	8	7751
11:54:14	5.8	5525	6.6	6331	7.9	7525
11:54:14	5.8	5360	6.6	6150	7.8	7301
11:54:14	5.7	5201	6.5	5960	7.8	7083
12:09:10	5.1	8999	5.6	10428	6.9	12342
12:09:10	6.2	8791	7.1	10184	8.5	12066
12:09:10	6.5	8581	7.4	9950	8.8	11771

12:09:10	6.6	8374	7.5	9694	9	11494
12:09:10	6.7	8155	7.6	9463	9.1	11184
12:09:10	6.7	7949	7.6	9221	9.2	10913
12:09:10	6.7	7762	7.6	8968	9.1	10650
12:09:10	6.6	7544	7.5	8748	9	10345
12:09:10	6.6	7341	7.5	8513	8.9	10079
12:24:07	5.1	8569	5.8	9897	6.9	11710
12:24:07	6.2	8375	7	9636	8.4	11453
12:24:07	6.4	8158	7.3	9412	8.8	11151
12:24:07	6.5	7952	7.4	9154	8.9	10877
12:24:07	6.6	7748	7.4	8920	8.9	10593
12:24:07	6.6	7526	7.5	8688	8.9	10297
12:24:07	6.5	7340	7.4	8428	8.9	10039
12:24:07	6.5	7142	7.4	8224	8.8	9763
12:24:07	6.4	6938	7.3	7992	8.7	9483
12:24:07	6.3	6746	7.2	7769	8.6	9220
12:39:03	5.1	6498	5.7	7458	6.9	8864
12:39:03	5.7	6313	6.5	7263	7.8	8609
12:39:03	5.8	6114	6.6	7054	7.9	8344
12:39:03	5.8	5950	6.6	6836	7.9	8118
12:39:03	5.8	5781	6.6	6635	7.9	7887
12:39:03	5.8	5611	6.6	6447	7.9	7652
12:39:03	5.8	5438	6.6	6257	7.8	7414
12:39:03	5.7	5272	6.5	6072	7.7	7189
12:39:03	5.6	5117	6.4	5888	7.7	6978
12:53:59	5	4951	5.6	5670	6.8	6758
12:53:59	5.3	4799	6	5492	7.3	6550
12:53:59	5.3	4650	6	5321	7.2	6347
12:53:59	5.3	4508	6	5159	7.2	6152
12:53:59	5.3	4369	6	5001	7.1	5963
12:53:59	5.2	4233	6	4844	7.1	5778
12:53:59	5.2	4099	5.9	4689	7	5594
12:53:59	5.1	3970	5.8	4539	7	5418
12:53:59	5.1	3840	5.8	4402	6.9	5242
13:08:55	4.9	8690	5.5	10003	6.7	11854
13:08:55	6	8489	6.9	9777	8.1	11576
13:08:55	6.3	8271	7.1	9535	8.6	11286
13:08:55	6.4	8075	7.2	9279	8.7	11015
13:08:55	6.4	7857	7.4	9061	8.7	10710
13:08:55	6.5	7664	7.3	8810	8.8	10455
13:08:55	6.4	7465	7.3	8583	8.7	10180
13:08:55	6.4	7249	7.3	8359	8.7	9885
13:08:55	6.3	7054	7.2	8130	8.6	9625
13:08:55	6.3	6857	7.1	7905	8.5	9352
13:23:51	5.1	9409	5.7	10868	6.8	12878
13:23:51	6.3	9207	7.2	10620	8.6	12595
13:23:51	6.6	8996	7.5	10361	9.1	12312
13:23:51	6.7	8777	7.6	10131	9.2	12005
13:23:51	6.8	8572	7.7	9865	9.3	11732

13:23:51	6.7	8357	7.7	9610	9.2	11438
13:23:51	6.8	8141	7.8	9382	9.4	11143
13:23:51	6.7	7942	7.6	9140	9.2	10864
13:23:51	6.7	7727	7.6	8905	9.1	10570
13:23:51	6.6	7518	7.5	8673	9	10283
13:38:47	5.1	9338	5.7	10769	6.9	12776
13:38:47	6.3	9118	7.2	10532	8.6	12469
13:38:47	6.6	8922	7.5	10258	9	12207
13:38:47	6.7	8690	7.6	10039	9.2	11882
13:38:47	6.8	8497	7.7	9763	9.3	11626
13:38:47	6.8	8276	7.7	9547	9.3	11317
13:38:47	6.8	8074	7.7	9287	9.2	11048
13:38:47	6.7	7868	7.6	9063	9.2	10760
13:38:47	6.7	7647	7.6	8824	9	10457
13:38:47	6.6	7442	7.5	8591	9	10188
13:53:46	5.1	8120	5.7	9373	7	11123
13:53:46	6.1	7940	6.9	9113	8.3	10876
13:53:46	6.3	7728	7.1	8899	8.6	10580
13:53:46	6.3	7522	7.2	8655	8.6	10306
13:53:46	6.4	7348	7.2	8432	8.7	10065
13:53:46	6.4	7139	7.2	8210	8.7	9774
13:53:46	6.3	6922	7.2	7978	8.6	9486
13:53:46	6.3	6749	7.1	7736	8.5	9246
13:53:46	6.2	6557	7.1	7515	8.5	8982
13:53:46	6.1	6363	7	7292	8.3	8718
14:08:40	5.1	5946	5.7	6842	6.9	8121
14:08:40	5.5	5761	6.3	6641	7.5	7875
14:08:40	5.6	5597	6.3	6431	7.6	7649
14:08:40	5.6	5434	6.3	6230	7.6	7425
14:08:40	5.6	5274	6.4	6053	7.6	7204
14:08:40	5.6	5114	6.3	5874	7.5	6986
14:08:40	5.5	4953	6.3	5695	7.5	6764
14:08:40	5.4	4795	6.2	5518	7.4	6547
14:08:40	5.4	4648	6.1	5345	7.4	6348
14:23:34	4.9	8162	5.5	9426	6.7	11129
14:23:34	5.9	7973	6.7	9165	8	10881
14:23:34	6.1	7762	6.9	8944	8.3	10589
14:23:34	6.2	7546	7.1	8705	8.5	10303
14:23:34	6.2	7360	7.1	8453	8.5	10044
14:23:34	6.2	7155	7.1	8239	8.5	9761
14:23:34	6.2	6957	7.1	8002	8.4	9496
14:23:34	6.2	6765	7.1	7767	8.4	9234
14:23:34	6.1	6571	6.9	7549	8.4	8970
14:23:34	6	6387	6.9	7329	8.3	8716
14:38:27	5	7656	5.6	8816	6.8	10466
14:38:27	5.9	7455	6.6	8590	8	10186
14:38:27	6	7239	6.9	8362	8.2	9899
14:38:27	6.1	7054	6.9	8107	8.2	9644
14:38:27	6.1	6860	6.9	7896	8.3	9374

14:38:27	6.1	6656	6.9	7677	8.2	9093
14:38:27	6	6470	6.9	7445	8.3	8844
14:38:27	6	6290	6.8	7226	8.2	8597
14:38:27	5.9	6106	6.8	7016	8.1	8343
14:38:27	5.9	5924	6.7	6816	8	8093
14:53:21	5	8529	5.6	9757	6.8	11447
14:53:21	6	8315	6.8	9513	8.2	11168
14:53:21	6.3	8113	7.1	9274	8.5	10890
14:53:21	6.4	7892	7.2	9041	8.6	10602
14:53:21	6.4	7704	7.2	8790	8.7	10343
14:53:21	6.4	7487	7.2	8568	8.6	10046
14:53:21	6.4	7288	7.2	8326	8.6	9787
14:53:21	6.3	7094	7.2	8093	8.5	9524
14:53:21	6.3	6898	7.1	7873	8.5	9259
14:53:21	6.2	6703	7	7653	8.4	8996
15:08:14	5	6201	5.6	7125	6.8	8419
15:08:14	5.6	6007	6.3	6910	7.6	8157
15:08:14	5.6	5845	6.4	6698	7.6	7942
15:08:14	5.6	5678	6.4	6504	7.6	7713
15:08:14	5.6	5506	6.4	6319	7.6	7476
15:08:14	5.6	5336	6.4	6132	7.6	7245
15:08:14	5.5	5168	6.3	5943	7.5	7024
15:08:14	5.5	5022	6.3	5751	7.4	6823
15:08:14	5.4	4865	6.2	5578	7.4	6611
15:23:09	4.9	7187	5.5	8282	6.6	9837
15:23:09	5.7	7012	6.4	8054	7.7	9592
15:23:09	5.8	6812	6.6	7834	7.9	9317
15:23:09	5.9	6608	6.7	7609	7.9	9045
15:23:09	5.9	6439	6.7	7375	8	8811
15:23:09	5.9	6260	6.7	7182	8	8562
15:23:09	5.8	6067	6.6	6979	7.9	8297
15:23:09	5.8	5901	6.6	6760	7.9	8073
15:23:09	5.7	5715	6.5	6568	7.4	7824
15:38:03	4.9	7947	5.5	9114	6.7	10888
15:38:03	5.8	7723	6.6	8896	8	10585
15:38:03	6	7539	6.9	8635	8.2	10332
15:38:03	6.1	7338	6.9	8423	8.3	10051
15:38:03	6.1	7121	7	8195	8.4	9757
15:38:03	6.1	6943	7	7966	8.4	9516
15:38:03	6.1	6756	6.9	7736	8.4	9259
15:38:03	6	6564	6.9	7529	8.3	8992
15:38:03	6	6373	6.8	7314	8.2	8729
15:38:03	5.9	6182	6.8	7107	8.1	8468
15:52:55	4.9	6494	5.5	7458	6.8	8877
15:52:55	5.5	6299	6.3	7255	7.5	8608
15:52:55	5.6	6124	6.4	7034	7.7	8376
15:52:55	5.7	5950	6.4	6823	7.7	8136
15:52:55	5.7	5777	6.4	6638	7.7	7896
15:52:55	5.6	5593	6.4	6440	7.7	7642

15:52:55	5.6	5430	6.4	6242	7.6	7428
15:52:55	5.5	5274	6.3	6042	7.6	7213
15:52:55	5.5	5111	6.2	5861	7.5	6990
16:07:50	4.9	5251	5.5	6027	6.6	7183
16:07:50	5.2	5088	5.9	5842	7.2	6959
16:07:50	5.3	4929	6	5664	7.1	6744
16:07:50	5.2	4779	6	5487	7.1	6544
16:07:50	5.2	4641	5.9	5306	7.1	6352
16:07:50	5.2	4498	5.9	5147	7.1	6156
16:07:50	5.2	4361	5.8	4983	7	5968
16:07:50	5.1	4225	5.8	4830	6.9	5782
16:07:50	5	4090	5.8	4679	6.9	5597
16:22:43	4.8	5608	5.4	6452	6.5	7642
16:22:43	5.3	5433	6	6260	7.1	7405
16:22:43	5.3	5283	6	6059	7.2	7203
16:22:43	5.3	5118	6	5881	7.2	6979
16:22:43	5.3	4970	6	5699	7.2	6778
16:22:43	5.3	4816	6	5519	7.2	6567
16:22:43	5.2	4671	5.9	5352	7.1	6368
16:22:43	5.2	4528	5.9	5190	7.1	6174
16:22:43	5	4382	5.7	5026	6.8	5973
16:37:39	4.8	5464	5.4	6298	6.5	7435
16:37:39	5.2	5306	5.9	6115	7.1	7220
16:37:39	5.3	5151	6	5930	7.1	7013
16:37:39	5.2	4999	6	5751	7.2	6806
16:37:39	5.2	4851	6	5573	7.1	6605
16:37:39	5.2	4709	5.9	5403	7.1	6411
16:37:39	5.2	4568	5.9	5234	7	6218
16:37:39	5.1	4430	5.8	5075	7	6030
16:37:39	5.1	4282	5.8	4927	6.9	5830
16:52:34	4.8	7648	5.4	8830	6.5	10452
16:52:34	5.7	7466	6.4	8578	7.6	10199
16:52:34	5.8	7264	6.6	8375	7.9	9920
16:52:34	5.9	7053	6.7	8138	8	9641
16:52:34	5.9	6882	6.7	7905	8	9402
16:52:34	5.9	6688	6.7	7697	8	9135
16:52:34	5.9	6493	6.7	7486	8	8865
16:52:34	5.8	6310	6.7	7261	8	8622
16:52:34	5.8	6126	6.6	7051	7.9	8371
17:07:30	4.9	5664	5.4	6524	6.6	7740
17:07:30	5.3	5505	6	6324	7.2	7523
17:07:30	5.4	5342	6.1	6123	7.3	7300
17:07:30	5.3	5189	6.1	5951	7.3	7091
17:07:30	5.3	5034	6.1	5779	7.3	6877
17:07:30	5.3	4879	6	5603	7.2	6662
17:07:30	5.3	4730	6	5437	7.1	6459
17:07:30	5.2	4581	5.9	5269	7.1	6255
17:07:30	5.1	4443	5.9	5104	7.1	6067
17:22:27	4.8	6955	5.4	7973	6.5	9449

17:22:27	5.5	6778	6.2	7753	7.5	9205
17:22:27	5.6	6585	6.4	7546	7.6	8940
17:22:27	5.7	6381	6.4	7328	7.7	8667
17:22:27	5.7	6211	6.5	7107	7.7	8437
17:22:27	5.7	6036	6.4	6896	7.7	8196
17:22:27	5.6	5858	6.4	6703	7.7	7955
17:22:27	5.6	5679	6.4	6508	7.6	7709
17:22:27	5.5	5515	6.3	6316	7.5	7487
17:22:27	5.5	5351	6.2	6120	7.5	7266
17:37:22	4.8	8067	5.4	9218	6.5	10833
17:37:22	5.8	7868	6.5	9002	7.8	10562
17:37:22	6	7661	6.8	8763	8.1	10290
17:37:22	6.1	7469	6.8	8523	8.2	10028
17:37:22	6.1	7261	6.9	8312	8.3	9744
17:37:22	6.1	7067	6.9	8079	8.3	9491
17:37:22	6.1	6888	6.9	7848	8.2	9249
17:37:22	6	6694	6.8	7641	8.1	8987
17:37:22	6	6505	6.7	7428	8.1	8732
17:37:22	5.9	6325	6.7	7219	7.9	8490
17:52:17	4.9	6334	5.5	7281	6.6	8645
17:52:17	5.5	6147	6.2	7070	7.4	8399
17:52:17	5.5	5981	6.3	6850	7.5	8170
17:52:17	5.5	5808	6.3	6658	7.5	7932
17:52:17	5.5	5636	6.3	6468	7.5	7695
17:52:17	5.5	5462	6.3	6277	7.5	7455
17:52:17	5.5	5294	6.2	6091	7.5	7232
17:52:17	5.4	5138	6.2	5898	7.4	7019
17:52:17	5.4	4978	6.1	5725	7.3	6801
18:07:14	5.1	189	5.7	215	7.5	257
18:07:14	4.5	174	5.1	198	6.8	237
18:07:14	4.3	165	4.8	187	6.6	224
18:07:14	4.1	158	4.6	180	6.3	215
18:07:14	4	151	4.5	173	6.2	206
18:07:14	3.9	146	4.4	166	6.1	199
18:07:14	3.8	141	4.3	160	5.9	192
18:07:14	3.7	136	4.2	155	5.9	185
18:07:14	3.6	131	4.1	150	5.8	179
18:22:10	4.3	5490	4.8	6306	5.9	7496
18:22:10	4.7	5322	5.3	6121	6.5	7263
18:22:10	4.8	5159	5.4	5939	6.6	7041
18:22:10	4.8	5000	5.4	5758	6.6	6831
18:22:10	4.8	4862	5.4	5569	6.5	6641
18:22:10	4.8	4703	5.4	5413	6.6	6425
18:22:10	4.8	4563	5.4	5247	6.5	6234
18:22:10	4.7	4423	5.4	5083	6.5	6042
18:22:10	4.7	4289	5.3	4929	6.4	5854
18:52:03	4.2	6755	4.7	7799	5.7	9229
18:52:03	4.9	6581	5.5	7570	6.7	8990
18:52:03	5.1	6404	5.7	7362	6.9	8747

18:52:03	5.1	6219	5.8	7162	7	8490
18:52:03	5.1	6028	5.9	6951	7	8237
18:52:03	5.2	5857	5.9	6747	6.9	8002
18:52:03	5.1	5690	5.8	6539	7	7774
18:52:03	5.1	5529	5.8	6342	7	7551
18:52:03	5.1	5359	5.8	6149	6.9	7320
19:07:00	4.5	6561	5	7558	6	8951
19:07:00	5.1	6389	5.8	7333	6.9	8717
19:07:00	5.2	6208	5.9	7140	7.1	8466
19:07:00	5.2	6019	5.9	6934	7.1	8208
19:07:00	5.3	5839	6	6731	7.2	7961
19:07:00	5.3	5665	6	6531	7.1	7730
19:07:00	5.2	5505	5.9	6335	7	7513
19:07:00	5.2	5348	5.9	6134	7	7299
19:07:00	5.1	5183	5.8	5954	7	7072
19:21:56	4.5	6480	5.1	7435	6.1	8844
19:21:56	5.1	6305	5.8	7213	7	8604
19:21:56	5.3	6125	6	7018	7.1	8357
19:21:56	5.3	5943	6	6818	7.1	8106
19:21:56	5.3	5759	6	6619	7.3	7854
19:21:56	5.3	5586	6	6418	7.2	7625
19:21:56	5.2	5427	6	6225	7.1	7408
19:21:56	5.2	5269	5.9	6031	7	7190
19:21:56	5.1	5106	5.9	5859	7	6969
19:36:53	4.6	5690	5.1	6545	6.2	7735
19:36:53	5	5532	5.7	6345	6.8	7525
19:36:53	5.1	5371	5.7	6145	6.9	7305
19:36:53	5.1	5208	5.7	5963	6.9	7082
19:36:53	5.1	5051	5.8	5790	6.9	6868
19:36:53	5	4895	5.6	5606	6.7	6657
19:36:53	5.1	4748	5.8	5445	6.9	6454
19:36:53	5	4600	5.7	5277	6.8	6254
19:36:53	4.9	4461	5.6	5109	6.7	6065
19:51:48	4.6	7647	5.1	8793	6.1	10497
19:51:48	5.4	7434	6.1	8568	7.3	10214
19:51:48	5.6	7252	6.3	8321	7.6	9960
19:51:48	5.7	7049	6.5	8112	7.7	9676
19:51:48	5.7	6851	6.5	7889	7.8	9413
19:51:48	5.7	6674	6.5	7652	7.7	9166
19:51:48	5.7	6485	6.5	7452	7.7	8903
19:51:48	5.6	6284	6.4	7241	7.7	8632
19:51:48	5.6	6107	6.3	7035	7.6	8391
20:06:45	4.6	7671	5.2	8836	6.3	10469
20:06:45	5.5	7480	6.2	8588	7.5	10204
20:06:45	5.7	7267	6.5	8370	7.7	9909
20:06:45	5.7	7076	6.5	8127	7.8	9656
20:06:45	5.8	6887	6.5	7908	7.9	9393
20:06:45	5.8	6682	6.6	7692	7.8	9111
20:06:45	5.7	6498	6.5	7467	7.8	8868

20:06:45	5.7	6315	6.5	7237	7.8	8616
20:06:45	5.6	6133	6.4	7031	7.7	8367
20:21:39	4.7	6118	5.2	6993	6.3	8206
20:21:39	5.2	5931	5.9	6790	7	7962
20:21:39	5.3	5765	6	6587	7.1	7737
20:21:39	5.3	5601	6	6385	7.1	7517
20:21:39	5.3	5439	6	6194	7.1	7299
20:21:39	5.3	5277	6	6011	7.1	7081
20:21:39	5.2	5123	5.9	5840	7.1	6873
20:21:39	5.2	4967	5.9	5664	7	6664
20:21:39	5.1	4817	5.8	5486	6.9	6463
20:36:33	4.6	4757	5.2	5451	6.2	6473
20:36:33	4.9	4606	5.5	5292	6.6	6268
20:36:33	4.9	4468	5.5	5125	6.6	6081
20:36:33	4.9	4336	5.5	4967	6.6	5900
20:36:33	4.9	4206	5.5	4819	6.6	5723
20:36:33	4.8	4073	5.5	4672	6.5	5543
20:36:33	4.8	3947	5.4	4536	6.4	5368
20:36:33	4.8	3829	5.4	4387	6.4	5210
20:36:33	4.7	3704	5.3	4260	6.3	5036
20:51:28	4.6	2415	5.1	2771	6.1	3289
20:51:28	4.4	2334	5	2672	5.9	3179
20:51:28	4.2	2253	4.8	2584	5.7	3071
20:51:28	4.2	2181	4.7	2503	5.6	2971
20:51:28	4.1	2113	4.6	2418	5.5	2879
20:51:28	4	2039	4.6	2343	5.5	2779
20:51:28	4	1977	4.5	2265	5.3	2693
20:51:28	3.9	1912	4.4	2188	5.3	2605
20:51:28	3.9	1851	4.4	2120	5.2	2521
21:06:23	4.5	9359	5	10782	6	12770
21:06:23	5.8	9148	6.5	10557	7.8	12474
21:06:23	6.1	8956	6.9	10296	8.2	12221
21:06:23	6.2	8745	7	10078	8.4	11926
21:06:23	6.3	8538	7.1	9834	8.5	11653
21:06:23	6.3	8342	7.2	9589	8.5	11380
21:06:23	6.3	8117	7.2	9371	8.6	11079
21:06:23	6.3	7936	7.2	9110	8.5	10827
21:06:23	6.2	7734	7.1	8881	8.4	10552
21:21:18	4.7	9208	5.3	10608	6.3	12592
21:21:18	6	9005	6.7	10360	8	12323
21:21:18	6.3	8785	7.1	10131	8.4	12013
21:21:18	6.4	8584	7.2	9868	8.6	11747
21:21:18	6.4	8376	7.3	9646	8.7	11455
21:21:18	6.4	8163	7.3	9401	8.8	11173
21:21:18	6.4	7972	7.3	9157	8.7	10905
21:21:18	6.4	7751	7.2	8935	8.6	10597
21:21:18	6.3	7546	7.2	8703	8.6	10329
21:36:12	4.8	5146	5.4	5930	6.5	7006
21:36:12	5.1	4995	5.8	5741	6.9	6808

21:36:12	5.2	4839	5.8	5576	7	6596
21:36:12	5.1	4700	5.8	5401	6.9	6405
21:36:12	5.1	4564	5.8	5238	6.9	6220
21:36:12	5.1	4427	5.8	5074	6.8	6033
21:36:12	5	4290	5.7	4918	6.8	5846
21:36:12	4.9	4153	5.6	4777	6.6	5661
21:36:12	4.9	4024	5.6	4634	6.6	5485
21:51:06	4.6	6963	5.2	8021	6.3	9520
21:51:06	5.4	6768	6.1	7795	7.3	9262
21:51:06	5.5	6597	6.3	7568	7.4	9027
21:51:06	5.6	6420	6.3	7376	7.5	8780
21:51:06	5.6	6230	6.3	7171	7.5	8517
21:51:06	5.6	6044	6.3	6966	7.6	8273
21:51:06	5.5	5884	6.3	6760	7.5	8051
21:51:06	5.5	5721	6.3	6561	7.4	7826
21:51:06	5.4	5557	6.2	6372	7.4	7602
22:06:00	4.7	8107	5.3	9368	6.2	11108
22:06:00	5.7	7933	6.4	9120	7.6	10862
22:06:00	5.9	7708	6.7	8904	7.9	10562
22:06:00	6	7532	6.8	8648	8.1	10316
22:06:00	6	7334	6.8	8447	8.1	10041
22:06:00	6	7126	6.8	8221	8.2	9763
22:06:00	6	6952	6.8	7984	8.1	9524
22:06:00	5.9	6759	6.7	7777	8.1	9253
22:06:00	5.9	6576	6.7	7570	8	9003
22:20:54	4.8	6803	5.4	7820	6.4	9285
22:20:54	5.5	6623	6.2	7613	7.3	9037
22:20:54	5.6	6428	6.3	7406	7.5	8768
22:20:54	5.6	6246	6.3	7195	7.5	8528
22:20:54	5.6	6080	6.4	6975	7.5	8299
22:20:54	5.6	5908	6.4	6784	7.6	8063
22:20:54	5.5	5740	6.3	6598	7.4	7831
22:20:54	5.5	5569	6.2	6409	7.4	7597
22:20:54	5.4	5409	6.2	6218	7.3	7378
22:35:49	4.7	5734	5.3	6566	6.3	7804
22:35:49	5.2	5569	5.9	6386	7	7577
22:35:49	5.2	5395	5.9	6206	7.1	7338
22:35:49	5.2	5243	5.9	6025	7.1	7131
22:35:49	5.2	5087	5.9	5851	7	6918
22:35:49	5.2	4939	5.9	5679	7	6716
22:35:49	5.2	4791	5.9	5508	6.9	6523
22:35:49	5.1	4648	5.8	5337	6.9	6327
22:35:49	5	4504	5.7	5173	6.8	6130
22:50:44	4.7	7684	5.2	8873	6.2	10548
22:50:44	5.6	7508	6.3	8624	7.5	10314
22:50:44	5.8	7307	6.5	8419	7.7	10032
22:50:44	5.8	7113	6.6	8200	7.8	9774
22:50:44	5.8	6933	6.7	7961	7.9	9522
22:50:44	5.9	6748	6.7	7766	7.9	9264

22:50:44	5.8	6546	6.6	7552	7.9	8991
22:50:44	5.8	6380	6.6	7329	7.8	8764
22:50:44	5.7	6203	6.5	7131	7.7	8521
23:05:40	4.7	6006	5.3	6889	6.3	8166
23:05:40	5.3	5834	5.9	6703	7.1	7932
23:05:40	5.3	5658	6	6508	7.1	7689
23:05:40	5.3	5477	6	6310	7.1	7442
23:05:40	5.3	5330	6	6123	7.1	7248
23:05:40	5.3	5171	6	5943	7.2	7034
23:05:40	5.3	5023	6	5763	7.1	6832
23:05:40	5.2	4875	5.9	5586	7.1	6629
23:05:40	5.2	4721	5.9	5418	6.9	6420
23:20:36	4.7	7220	5.2	8335	6.2	9820
23:20:36	5.5	7043	6.2	8096	7.4	9584
23:20:36	5.6	6856	6.4	7889	7.6	9325
23:20:36	5.7	6659	6.5	7679	7.6	9054
23:20:36	5.7	6478	6.5	7453	7.7	8815
23:20:36	5.7	6303	6.5	7233	7.7	8574
23:20:36	5.7	6126	6.5	7039	7.6	8331
23:20:36	5.6	5945	6.4	6843	7.5	8084
23:20:36	5.6	5772	6.3	6643	7.5	7847
23:35:32	4.7	8007	5.3	9229	6.3	10940
23:35:32	5.7	7795	6.4	9021	7.6	10646
23:35:32	5.9	7614	6.7	8767	7.9	10406
23:35:32	6	7413	6.8	8562	8	10128
23:35:32	6	7213	6.8	8334	8	9861
23:35:32	6	7038	6.8	8100	8	9619
23:35:32	6	6846	6.8	7896	8.1	9351
23:35:32	5.9	6644	6.7	7685	8	9083
23:35:32	5.9	6471	6.7	7472	7.9	8846
23:50:28	4.8	7257	5.3	8392	6.4	9922
23:50:28	5.6	7083	6.3	8157	7.5	9681
23:50:28	5.7	6884	6.5	7951	7.7	9405
23:50:28	5.8	6697	6.5	7726	7.7	9155
23:50:28	5.8	6519	6.5	7505	7.8	8911
23:50:28	5.8	6333	6.6	7304	7.7	8654
23:50:28	5.7	6144	6.5	7100	7.7	8391
23:50:28	5.7	5972	6.5	6886	7.7	8165
23:50:28	5.6	5802	6.4	6690	7.6	7932
0:05:24	4.7	4854	5.3	5567	6.3	6586
0:05:24	5	4709	5.7	5399	6.8	6389
0:05:24	5.1	4569	5.7	5241	6.8	6199
0:05:24	5	4433	5.7	5086	6.6	6014
0:05:24	5	4298	5.7	4933	6.7	5831
0:05:24	5	4165	5.6	4776	6.7	5651
0:05:24	4.9	4038	5.6	4631	6.5	5477
0:05:24	4.9	3915	5.5	4489	6.5	5311
0:05:24	4.8	3791	5.4	4350	6.4	5145
0:20:21	4.6	7790	5.2	8999	6.2	10649

0:20:21	5.6	7601	6.3	8755	7.5	10388
0:20:21	5.8	7393	6.5	8545	7.8	10097
0:20:21	5.8	7206	6.6	8301	7.8	9851
0:20:21	5.9	7021	6.7	8091	7.9	9593
0:20:21	5.9	6813	6.7	7873	7.9	9304
0:20:21	5.9	6636	6.7	7648	7.8	9071
0:20:21	5.8	6457	6.6	7430	7.8	8822
0:20:21	5.8	6279	6.6	7227	7.7	8579
0:35:17	4.7	6166	5.3	7150	6.3	8450
0:35:17	5.3	5984	6	6943	7.1	8210
0:35:17	5.4	5823	6.1	6733	7.2	7988
0:35:17	5.4	5658	6.1	6544	7.2	7759
0:35:17	5.4	5481	6.1	6357	7.2	7521
0:35:17	5.4	5326	6.1	6176	7.3	7300
0:35:17	5.3	5167	6.1	5992	7.2	7081
0:35:17	5.3	5012	6	5811	7.1	6877
0:35:17	5.2	4865	5.9	5639	7	6668

d 18O/16O	Correction d18O	d 13C/12C			
					Note: the true ∂13C value fo
					The ∂18O values are calcula
15.015	5.255	-10.175			
15.076	5.316	-10.151			
15.169	5.409	-10.066			
15.047	5.287	-10.079			
15.075	5.315	-10.234			
15.019	5.259	-10.239			
15.025	5.265	-10.219			
15.033	5.273	-10.064		Average	Std Dev
15.129	5.369	-10.095	carbon	-10.1561	0.07485608
15.124	5.364	-10.239	oxygen		
38.917	29.157	1.46			
39.057	29.297	1.57			
39.056	29.296	1.466			
39.05	29.29	1.489			
39.135	29.375	1.617			
39.099	29.339	1.676			
39.006	29.246	1.535			
39.246	29.486	1.588		Average	Std Dev
38.997	29.237	1.551	carbon	1.5498	0.06776397
39.006	29.246	1.546	oxygen	29.2969	0.0894557
39.807	30.047	-5.516			
39.78	30.02	-5.384			
39.575	29.815	-5.398			
39.749	29.989	-5.621			
39.797	30.037	-5.52			
39.656	29.896	-5.669			
39.73	29.97	-5.604			
39.728	29.968	-5.601		Average	Std Dev
39.729	29.969	-5.699	carbon	-5.5501	0.10716389
39.619	29.859	-5.489	oxygen	29.957	
35.093	25.333	-2.886			
35.149	25.389	-2.761			
35.236	25.476	-2.784			
35.153	25.393	-2.793			
35.261	25.501	-2.692			
35.185	25.425	-2.77			
35.184	25.424	-2.777			
35.178	25.418	-2.778		Average	Std Dev
35.283	25.523	-2.789	carbon	-2.7785	0.047519
35.249	25.489	-2.755	oxygen	25.4371	
18.287	8.527	-2.703			
24.363	14.603	-2.958			
29.526	19.766	-3.069			
32.52	22.76	-3.145			
33.609	23.849	-3.05			
33.698	23.938	-3.11			
33.694	23.934	-2.987			
33.779	24.019	-2.971		Average	Std Dev

33.707	23.947	-2.955	carbon	-2.9898	0.12240806
33.776	24.016	-2.95	oxygen	20.9359	
34.38	24.62	-2.78			
34.481	24.721	-2.701			
34.533	24.773	-2.567			
34.385	24.625	-2.735			
34.429	24.669	-2.68			
34.453	24.693	-2.676			
34.509	24.749	-2.615			
34.414	24.654	-2.73		Average	Std Dev
34.51	24.75	-2.697	carbon	-2.6934	0.06394303
34.38	24.62	-2.753	oxygen	24.6874	
34.086	24.326	-3.048			
34.114	24.354	-3.085			
34.211	24.451	-3.003			
34.142	24.382	-3.096			
34.138	24.378	-3.114			
34.242	24.482	-3.026			
34.089	24.329	-3.129			
34.189	24.429	-3.133		Average	Std Dev
34.202	24.442	-2.878	carbon	-3.0553	0.07655071
34.117	24.357	-3.041	oxygen	24.393	
32.368	22.608	-4.147			
32.506	22.746	-4.134			
32.388	22.628	-4.133			
32.352	22.592	-4.222			
32.443	22.683	-4.13			
32.398	22.638	-4.099			
32.501	22.741	-4.105			
32.45	22.69	-4.169		Average	Std Dev
32.392	22.632	-4.191	carbon	-4.1441	0.0394108
32.485	22.725	-4.111	oxygen	22.6683	
33.098	23.338	-2.355			
33.216	23.456	-2.423			
33.224	23.464	-2.37			
33.319	23.559	-2.268			
33.174	23.414	-2.32			
33.179	23.419	-2.27			
33.273	23.513	-2.219			
33.284	23.524	-2.118		Average	Std Dev
33.318	23.558	-2.207	carbon	-2.2817	0.08910175
33.259	23.499	-2.267	oxygen	23.4744	
33.829	24.069	-2.092			
33.894	24.134	-2.211			
34.113	24.353	-2.19			
34.021	24.261	-2.309			
33.974	24.214	-2.196			
33.933	24.173	-2.22			
33.946	24.186	-2.284			

33.811	24.051	-2.352		Average	Std Dev
33.924	24.164	-2.217	carbon	-2.237	0.07508662
33.776	24.016	-2.299	oxygen	24.1621	
34.785	25.025	-5.044			
34.766	25.006	-5.119			
34.823	25.063	-5.08			
34.73	24.97	-5.147			
34.95	25.19	-5.084			
34.766	25.006	-5.115			
34.73	24.97	-4.98			
34.838	25.078	-4.949		Average	Std Dev
34.777	25.017	-5.081	carbon	-5.0754	0.06759553
34.691	24.931	-5.155	oxygen	25.0256	
33.885	24.125	-3.483			
33.989	24.229	-3.351			
34.051	24.291	-3.259			
33.957	24.197	-3.398			
33.946	24.186	-3.291			
33.951	24.191	-3.316			
33.978	24.218	-3.411			
33.944	24.184	-3.37		Average	Std Dev
34.014	24.254	-3.336	carbon	-3.3467	0.07205253
34.001	24.241	-3.252	oxygen	24.2116	
14.937	5.177	-10.276			
14.969	5.209	-10.275			
15.036	5.276	-10.276			
15.033	5.273	-10.132			
14.98	5.22	-10.231			
15.076	5.316	-10.159			
14.981	5.221	-10.245			
15.035	5.275	-10.165		Average	Std Dev
15.014	5.254	-10.206	carbon	-10.2089	0.06028903
15.037	5.277	-10.124	oxygen	5.2498	
35.399	25.639	-4.665			
35.38	25.62	-4.678			
35.524	25.764	-4.612			
35.466	25.706	-4.639			
35.586	25.826	-4.516			
35.477	25.717	-4.628			
35.491	25.731	-4.48			
35.554	25.794	-4.62		Average	Std Dev
35.411	25.651	-4.741	carbon	-4.6219	0.07549753
35.511	25.751	-4.64	oxygen	25.7199	
33.428	23.668	-4.518			
33.441	23.681	-4.422			
33.553	23.793	-4.651			
33.501	23.741	-4.457			
33.526	23.766	-4.591			
33.451	23.691	-4.678			

33.437	23.677	-4.582			
33.506	23.746	-4.641		Average	Std Dev
33.651	23.891	-4.543	carbon	-4.5638	0.08286374
33.497	23.737	-4.555	oxygen	23.7391	
34.099	24.339	-3.668			
34.172	24.412	-3.679			
34.246	24.486	-3.609			
34.205	24.445	-3.728			
34.191	24.431	-3.691			
34.154	24.394	-3.65			
34.182	24.422	-3.651			
34.244	24.484	-3.628		Average	Std Dev
34.145	24.385	-3.654	carbon	-3.6599	0.0336863
34.136	24.376	-3.641	oxygen	24.4174	
35.932	26.172	-4.474			
35.962	26.202	-4.702			
35.886	26.126	-4.792			
35.967	26.207	-4.616			
35.926	26.166	-4.618			
35.855	26.095	-4.759			
35.65	25.89	-4.7			
35.832	26.072	-4.809		Average	Std Dev
35.798	26.038	-4.789	carbon	-4.59	0.3491399
35.878	26.118	-4.514	oxygen	26.1086	
33.062	23.302	-2.65			
33.079	23.319	-2.62			
33.242	23.482	-2.621			
33.226	23.466	-2.588			
33.226	23.466	-2.516			
33.265	23.505	-2.532			
33.251	23.491	-2.539			
33.188	23.428	-2.587		Average	Std Dev
33.143	23.383	-2.627	carbon	-2.5927	0.04883089
33.163	23.403	-2.647	oxygen	23.4245	
37.003	27.243	-3.31			
36.988	27.228	-3.259			
37.09	27.33	-3.297			
37.071	27.311	-3.29			
37.178	27.418	-3.234			
37.053	27.293	-3.273			
37.145	27.385	-3.195			
37.084	27.324	-3.207		Average	Std Dev
37.112	27.352	-3.152	carbon	-3.2353	0.06109019
37.082	27.322	-3.136	oxygen	27.3206	
34.337	24.577	-2.987			
34.503	24.743	-2.835			
34.462	24.702	-2.857			
34.496	24.736	-2.881			
34.535	24.775	-2.905			

34.455	24.695	-2.889			
34.492	24.732	-2.899			
34.501	24.741	-2.763		Average	Std Dev
34.557	24.797	-2.749	carbon	-2.8665	0.07031556
34.434	24.674	-2.9	oxygen	24.7172	
31.677	21.917	-4.043			
31.697	21.937	-4.024			
31.67	21.91	-4.038			
31.757	21.997	-4.072			
31.784	22.024	-4.009			
31.71	21.95	-3.97			
31.729	21.969	-3.998			
31.716	21.956	-3.929		Average	Std Dev
31.784	22.024	-3.973	carbon	-3.9982	0.0485931
31.794	22.034	-3.926	oxygen	21.9718	
33.028	23.268	-4.016			
33.091	23.331	-3.838			
33.063	23.303	-3.835			
33.153	23.393	-3.944			
33.069	23.309	-3.892			
33.105	23.345	-3.959			
33.165	23.405	-3.96			
33.081	23.321	-3.87		Average	Std Dev
33.062	23.302	-3.983	carbon	-3.9147	0.06560327
33.104	23.344	-3.85	oxygen	23.3321	
24.859	15.099	-4.89			
24.858	15.098	-5.036			
24.908	15.148	-4.971			
24.891	15.131	-4.956			
24.881	15.121	-4.877			
24.785	15.025	-4.933			
24.844	15.084	-4.961			
24.804	15.044	-4.98		Average	Std Dev
24.871	15.111	-4.893	carbon	-4.9508	0.05278426
24.743	14.983	-5.011	oxygen	15.0844	
15.074	5.314	-10.159			
14.983	5.223	-10.194			
14.994	5.234	-10.159			
15.033	5.273	-10.114			
15.054	5.294	-10.052			
15.04	5.28	-10.068			
15.106	5.346	-10.073			
14.957	5.197	-10.047		Average	Std Dev
14.961	5.201	-10.082	carbon	-10.0928	0.06417476
15.03	5.27	-9.98	oxygen		
34.503	24.743	-4.692			
34.602	24.842	-4.657			
34.577	24.817	-4.718			
34.625	24.865	-4.569			

34.532	24.772	-4.775			
34.583	24.823	-4.741			
34.616	24.856	-4.6			
34.529	24.769	-4.645		Average	Std Dev
34.461	24.701	-4.739	carbon	-4.6812	0.06522747
34.477	24.717	-4.676	oxygen	24.7905	
24.313	14.553	-4.905			
24.298	14.538	-4.754			
24.281	14.521	-4.819			
24.357	14.597	-4.86			
24.303	14.543	-4.85			
24.316	14.556	-4.769			
24.316	14.556	-4.768			
24.238	14.478	-4.793	carbon	Average	Std Dev
24.305	14.545	-4.771	oxygen	-4.8025	0.05427348
24.142	14.382	-4.736		14.5269	
33.707	23.947	-4.26			
33.699	23.939	-4.17			
33.732	23.972	-4.156			
33.81	24.05	-4.209			
33.744	23.984	-4.191			
33.756	23.996	-4.107			
33.737	23.977	-4.059			
33.701	23.941	-4.078		Average	Std Dev
33.702	23.942	-4.054	carbon	-4.1233	0.09159094
33.737	23.977	-3.949	oxygen	23.9725	
34.074	24.314	-4.157			
34.108	24.348	-4.144			
34.187	24.427	-4.013			
34.244	24.484	-4.069			
34.148	24.388	-3.996			
34.006	24.246	-4.15			
34.171	24.411	-3.953			
34.217	24.457	-3.932		Average	Std Dev
34.035	24.275	-3.99	carbon	-4.0441	0.08278815
34.028	24.268	-4.037	oxygen	24.3618	
32.15	22.39	-3.205			
32.096	22.336	-3.232			
32.173	22.413	-3.07			
32.176	22.416	-3.068			
32.167	22.407	-3.146			
32.164	22.404	-3.091			
32.028	22.268	-3.116			
32.021	22.261	-3.151		Average	Std Dev
31.95	22.19	-2.982	carbon	-3.1228	0.07351614
31.867	22.107	-3.167	oxygen	22.3192	

d 18O/16O	#VALUE!	d 13C/12C			
40.507	30.747	-4.893			
40.632	30.872	-4.772			
40.655	30.895	-4.795			
40.656	30.896	-4.673			
40.571	30.811	-4.535			
40.65	30.89	-4.525			
40.647	30.887	-4.643			
40.619	30.859	-4.674	carbon	-4.6874444	0.11888662
40.628	30.868	-4.677	oxygen	30.8583333	
33.474	23.714	-3			
33.535	23.775	-3.053			
33.651	23.891	-2.876			
33.559	23.799	-2.967			
33.587	23.827	-2.909			
33.646	23.886	-2.896			
33.616	23.856	-2.932			
33.492	23.732	-2.963	carbon	-2.949	0.05474943
33.596	23.836	-2.945	oxygen	23.8128889	
32.692	22.932	-3.087			
32.785	23.025	-2.972			
32.88	23.12	-2.912			
32.866	23.106	-2.931			
32.797	23.037	-2.984			
32.907	23.147	-2.87			
32.821	23.061	-2.89			
32.804	23.044	-2.891	carbon	-2.9351111	0.06958887
32.891	23.131	-2.879	oxygen	23.067	
32.122	22.362	-3.286			
32.262	22.502	-3.293			
32.206	22.446	-3.275			
32.182	22.422	-3.332			
32.236	22.476	-3.299			
32.259	22.499	-3.28			
32.28	22.52	-3.246			
32.287	22.527	-3.26	carbon	-3.2792222	0.02803916
32.227	22.467	-3.242	oxygen	22.469	
30.389	20.629	-4.505			
30.478	20.718	-4.445			
30.762	21.002	-4.428			
30.63	20.87	-4.359			
30.459	20.699	-4.42			
30.465	20.705	-4.409			
30.612	20.852	-4.267			
30.496	20.736	-4.314	carbon	-4.3952222	0.07156776
30.365	20.605	-4.41	oxygen	20.7573333	
37.948	28.188	1.186			
38.065	28.305	1.321			
38.193	28.433	1.396			

38.155	28.395	1.295			
38.178	28.418	1.305			
38.075	28.315	1.339			
38.215	28.455	1.403			
38.188	28.428	1.376	carbon	1.33777778	0.07239264
38.206	28.446	1.419	oxygen	28.3758889	
34.529	24.769	-3.682			
34.486	24.726	-3.592			
34.563	24.803	-3.535			
34.664	24.904	-3.553			
34.665	24.905	-3.443			
34.57	24.81	-3.597			
34.532	24.772	-3.514			
34.516	24.756	-3.489			
34.509	24.749	-3.536	carbon	-3.5494	0.06523326
34.535	24.775	-3.553	oxygen	24.7969	
31.84	22.08	-2.809			
31.883	22.123	-2.773			
31.884	22.124	-2.703			
31.917	22.157	-2.631			
31.908	22.148	-2.761			
31.947	22.187	-2.567			
31.951	22.191	-2.662			
32.038	22.278	-2.592		-2.6922222	0.08439309
31.96	22.2	-2.732		22.1653333	
32.327	22.567	-4.435			
32.294	22.534	-4.416			
32.392	22.632	-4.403			
32.37	22.61	-4.439			
32.526	22.766	-4.33			
32.459	22.699	-4.472			
32.353	22.593	-4.505			
32.453	22.693	-4.373	carbon	-4.4297778	0.05689195
32.416	22.656	-4.495	oxygen	22.6388889	
31.593	21.833	-4.265			
31.809	22.049	-4.196			
31.715	21.955	-4.245			
31.719	21.959	-4.108			
31.767	22.007	-4.165			
31.711	21.951	-4.191			
31.67	21.91	-4.204			
31.717	21.957	-4.116			
31.685	21.925	-4.06	carbon	-4.1662	0.06585135
31.679	21.919	-4.112	oxygen	21.9465	
34.783	25.023	-3.639			
34.913	25.153	-3.518			
34.873	25.113	-3.53			
34.941	25.181	-3.456			
35.005	25.245	-3.452			

34.976	25.216	-3.441			
34.988	25.228	-3.475			
34.945	25.185	-3.433			
34.932	25.172	-3.421	carbon	-3.4811	0.06579843
34.984	25.224	-3.446	oxygen	25.174	
34.677	24.917	-3.621			
34.805	25.045	-3.588			
34.765	25.005	-3.487			
34.723	24.963	-3.556			
34.729	24.969	-3.53			
34.826	25.066	-3.446			
34.717	24.957	-3.436			
34.739	24.979	-3.407			
34.84	25.08	-3.457	carbon	-3.5024	0.06996698
34.785	25.025	-3.496	oxygen	25.0006	
35.676	25.916	-4.182			
35.858	26.098	-4.075			
35.744	25.984	-4.142			
35.771	26.011	-4.159			
35.879	26.119	-4.051			
35.813	26.053	-4.099			
35.843	26.083	-3.939			
35.785	26.025	-4.048			
35.741	25.981	-4.022	carbon	-4.0704	0.07725312
35.784	26.024	-3.987	oxygen	26.0294	
33.096	23.336	-2.429			
33.182	23.422	-2.447			
33.204	23.444	-2.399			
33.143	23.383	-2.382			
33.247	23.487	-2.32			
33.28	23.52	-2.249			
33.149	23.389	-2.414			
33.179	23.419	-2.25	carbon	-2.3616667	0.0735459
33.159	23.399	-2.365	oxygen	23.4221111	
31.833	22.073	-2.952			
31.993	22.233	-2.797			
31.945	22.185	-2.85			
31.923	22.163	-2.855			
31.921	22.161	-2.703			
31.944	22.184	-2.798			
31.982	22.222	-2.747			
31.859	22.099	-2.824			
31.869	22.109	-2.719	carbon	-2.7948	0.07967685
31.866	22.106	-2.703	oxygen	22.1535	
33.401	23.641	-2.22			
33.572	23.812	-2.096			
33.437	23.677	-2.158			
33.58	23.82	-2.067			
33.544	23.784	-1.991			

33.648	23.888	-2.001			
33.556	23.796	-1.91			
33.484	23.724	-2.035			
33.514	23.754	-2.019	carbon	-2.0498	0.08946607
33.447	23.687	-2.001	oxygen	23.7583	
15.238	5.478	-10.279			
15.326	5.566	-10.169			
15.215	5.455	-10.34			
15.336	5.576	-10.236			
15.33	5.57	-10.189			
15.289	5.529	-10.206			
15.234	5.474	-10.222			
15.308	5.548	-10.2			
15.26	5.5	-10.124	carbon	-10.2144	0.06044502
15.246	5.486	-10.179	oxygen		
26.986	17.226	-4.81			
27.133	17.373	-4.734			
27.112	17.352	-4.765			
27.186	17.426	-4.69			
27.052	17.292	-4.801			
27.108	17.348	-4.702			
27.092	17.332	-4.728			
27.121	17.361	-4.806	carbon	-4.7517778	0.04552136
27.087	17.327	-4.73	oxygen	17.3374444	
34.498	24.738	-4.742			
34.546	24.786	-4.665			
34.582	24.822	-4.589			
34.575	24.815	-4.558			
34.591	24.831	-4.498			
34.404	24.644	-4.562			
34.513	24.753	-4.561			
34.392	24.632	-4.63	carbon	-4.5835556	0.08769138
34.97	25.21	-4.447	oxygen	24.8034444	
36.08	26.32	-6.181			
36.15	26.39	-6.149			
36.084	26.324	-6.24			
36.115	26.355	-6.232			
36.088	26.328	-6.222			
36.006	26.246	-6.19			
36.065	26.305	-6.137			
36.091	26.331	-6.133			
36.092	26.332	-6.135	carbon	-6.1635	0.06615344
36.179	26.419	-6.016	oxygen	26.335	
33.871	24.111	-3.602			
34.024	24.264	-3.477			
34.088	24.328	-3.425			
33.905	24.145	-3.54			
33.916	24.156	-3.532			
33.883	24.123	-3.463			

33.987	24.227	-3.519			
33.935	24.175	-3.536	carbon	-3.5033333	0.05723198
34.013	24.253	-3.436	oxygen	24.198	
34.77	25.01	-5.304			
34.803	25.043	-5.29			
35.003	25.243	-5.204			
34.885	25.125	-5.259			
34.81	25.05	-5.271			
34.845	25.085	-5.254			
34.828	25.068	-5.253			
34.899	25.139	-5.199	carbon	-5.2438889	0.04658982
34.801	25.041	-5.161	oxygen	25.0893333	
30.781	21.021	-2.876			
30.916	21.156	-2.695			
30.853	21.093	-2.737			
30.923	21.163	-2.68			
30.901	21.141	-2.72			
30.877	21.117	-2.719			
30.815	21.055	-2.669			
30.814	21.054	-2.714	carbon	-2.7333333	0.06401953
30.743	20.983	-2.79	oxygen	21.087	
29.015	19.255	-2.59			
29.2	19.44	-2.499			
29.204	19.444	-2.523			
29.136	19.376	-2.456			
29.173	19.413	-2.408			
29.219	19.459	-2.379			
29.11	19.35	-2.462			
29.073	19.313	-2.551	carbon	-2.4865556	0.06727762
29.157	19.397	-2.511	oxygen	19.383	
32.859	23.099	-2.685			
32.95	23.19	-2.576			
32.924	23.164	-2.664			
33.069	23.309	-2.626			
32.936	23.176	-2.648			
32.868	23.108	-2.624			
32.903	23.143	-2.529			
32.911	23.151	-2.601	carbon	-2.5975556	0.07989542
32.991	23.231	-2.425	oxygen	23.1745556	
32.87	23.11	-2.803			
32.891	23.131	-2.784			
32.99	23.23	-2.766			
33.065	23.305	-2.748			
32.963	23.203	-2.72			
32.954	23.194	-2.671			
32.978	23.218	-2.875			
32.997	23.237	-2.865	carbon	-2.7878889	0.06997936
32.881	23.121	-2.859	oxygen	23.1943333	
26.844	17.084	-7.173			

26.937	17.177	-7.235			
26.988	17.228	-7.061			
26.979	17.219	-6.979			
26.945	17.185	-7.094			
26.846	17.086	-7.146			
26.961	17.201	-7.196			
26.852	17.092	-7.106			
26.904	17.144	-7.14	carbon	-7.1212	0.07344658
26.937	17.177	-7.082	oxygen	17.1593	
15.344	5.584	-10.233			
15.271	5.511	-10.2			
15.36	5.6	-10.133			
15.304	5.544	-10.104			
15.253	5.493	-10.189			
15.359	5.599	-10.121			
15.383	5.623	-10.113			
15.335	5.575	-10.148			
15.23	5.47	-10.145	carbon	-10.1539	0.04138022
15.313	5.553	-10.153	oxygen	5.5552	
32.501	22.741	-4.498			
32.596	22.836	-4.413			
32.514	22.754	-4.458			
32.619	22.859	-4.518			
32.591	22.831	-4.453			
32.571	22.811	-4.399			
32.498	22.738	-4.315			
32.605	22.845	-4.402	carbon	-4.4288889	0.06083265
32.545	22.785	-4.404	oxygen	22.8	
28.646	18.886	-6.349			
29.662	19.902	-6.798			
28.276	18.516	-6.792			
29.159	19.399	-6.538			
28.036	18.276	-6.721			
27.892	18.132	-5.505			
29.49	19.73	-7.299			
28.658	18.898	-6.677	carbon	-6.648	0.51674244
28.084	18.324	-7.153	oxygen	18.8958889	
32.904	23.144	-2.794			
33.022	23.262	-2.747			
33.006	23.246	-2.766			
33.138	23.378	-2.652			
33.11	23.35	-2.749			
33.102	23.342	-2.64			
33.005	23.245	-2.762			
32.967	23.207	-2.709	carbon	-2.7244444	0.05274256
33.034	23.274	-2.701	oxygen	23.272	
32.96	23.2	-2.115			
33.045	23.285	-2.049			
33.139	23.379	-1.977			

33.094	23.334	-1.951			
33.124	23.364	-2.03			
33.322	23.562	-1.93			
33.133	23.373	-1.932			
33.012	23.252	-2.03	carbon	-1.997	0.06272958
33.023	23.263	-1.959	oxygen	23.3346667	
31.86	22.1	-2.349			
31.908	22.148	-2.35			
32.039	22.279	-2.243			
32.031	22.271	-2.223			
31.982	22.222	-2.227			
32.001	22.241	-2.219			
32.012	22.252	-2.268			
31.901	22.141	-2.239	carbon	-2.253	0.06196168
31.963	22.203	-2.159	oxygen	22.2063333	
31.925	22.165	-5.889			
32.174	22.414	-5.859			
32.222	22.462	-5.73			
32.125	22.365	-5.768			
32.088	22.328	-5.818			
32.084	22.324	-5.805			
32.169	22.409	-5.802			
32.063	22.303	-5.784	carbon	-5.8036667	0.0478252
32.119	22.359	-5.778	oxygen	22.3476667	
28.624	18.864	-4.651			
28.725	18.965	-4.55			
28.831	19.071	-4.547			
28.755	18.995	-4.516			
28.768	19.008	-4.55			
28.687	18.927	-4.401			
28.756	18.996	-4.319			
28.748	18.988	-4.421	carbon	-4.4928889	0.09935724
28.765	19.005	-4.481	oxygen	18.9798889	
38.736	28.976	-4.676			
38.851	29.091	-4.65			
38.905	29.145	-4.611			
38.802	29.042	-4.668			
38.816	29.056	-4.618			
38.947	29.187	-4.495			
38.917	29.157	-4.452			
38.783	29.023	-4.552	carbon	-4.5686667	0.10084518
38.991	29.231	-4.396	oxygen	29.1008889	
31.955	22.195	-5.066			
32.216	22.456	-4.867			
32.093	22.333	-4.906			
32.14	22.38	-4.748			
32.099	22.339	-4.832			
32.12	22.36	-4.811			
32.109	22.349	-4.789			

32.08	22.32	-4.79	carbon	-4.841	0.0981211
32.08	22.32	-4.76	oxygen	22.3391111	
15.23	5.47	-10.192			
15.39	5.63	-10.04			
15.352	5.592	-10.066			
15.32	5.56	-9.98			
15.271	5.511	-10.044			
15.206	5.446	-10.037			
15.249	5.489	-10.081			
15.308	5.548	-10.061	carbon	-10.058222	0.05790893
15.241	5.481	-10.023	oxygen		
29.387	19.627	-3.654			
29.454	19.694	-3.518			
29.486	19.726	-3.402			
29.506	19.746	-3.41			
29.454	19.694	-3.485			
29.53	19.77	-3.422			
29.427	19.667	-3.432			
29.393	19.633	-3.477	carbon	-3.4651111	0.08310151
29.407	19.647	-3.386	oxygen	19.6893333	
30.934	21.174	-3.714			
31.3	21.54	-3.56			
31.099	21.339	-3.616			
31.138	21.378	-3.629			
31.218	21.458	-3.682			
30.961	21.201	-3.602			
31.09	21.33	-3.636			
31.172	21.412	-3.434	carbon	-3.6137778	0.08075082
31.265	21.505	-3.651	oxygen	21.3707778	
32.293	22.533	-5.771			
32.376	22.616	-5.733			
32.531	22.771	-5.695			
32.447	22.687	-5.6			
32.407	22.647	-5.594			
32.413	22.653	-5.628			
32.458	22.698	-5.525			
32.334	22.574	-5.549	carbon	-5.6233333	0.0917374
32.465	22.705	-5.515	oxygen	22.6537778	
35.27	25.51	-6.084			
35.414	25.654	-6.033			
35.328	25.568	-6.097			
35.406	25.646	-6.054			
35.401	25.641	-6.081			
35.323	25.563	-6.024			
35.324	25.564	-5.947			
35.37	25.61	-6.014	carbon	-6.036	0.04879549
35.312	25.552	-5.99	oxygen	23.763119	
31.007	21.247	-3.031			
31.163	21.403	-2.959			

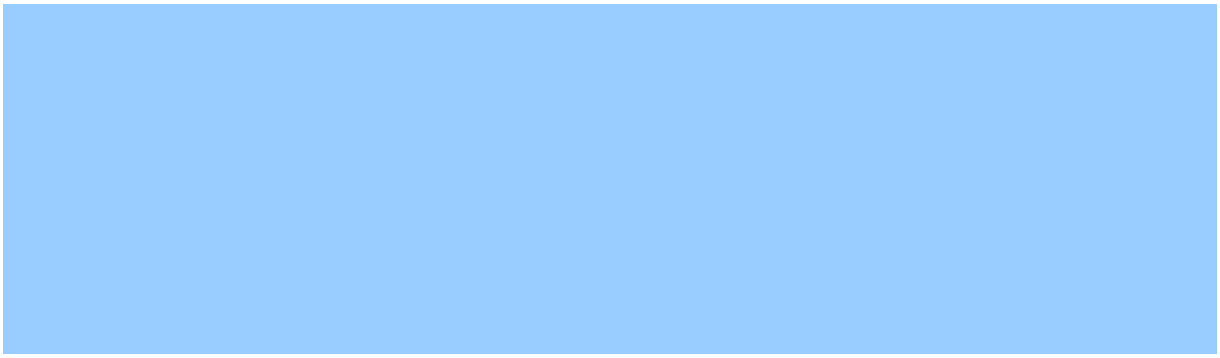
31.148	21.388	-3.003			
31.222	21.462	-3.002			
31.14	21.38	-2.947			
31.156	21.396	-2.95			
31.222	21.462	-2.931			
31.181	21.421	-2.83	carbon	-2.9472222	0.06416732
31.208	21.448	-2.872	oxygen	21.4007778	
35.186	25.426	-4.706			
35.277	25.517	-4.674			
35.352	25.592	-4.767			
35.296	25.536	-4.696			
35.261	25.501	-4.662			
35.216	25.456	-4.697			
35.218	25.458	-4.672			
35.227	25.467	-4.715	carbon	-4.6867778	0.04712955
35.251	25.491	-4.592	oxygen	25.4937778	
36.373	26.613	-4.89			
36.454	26.694	-4.906			
36.493	26.733	-4.906			
36.522	26.762	-4.76			
36.507	26.747	-4.648			
36.481	26.721	-4.6			
36.521	26.761	-4.667			
36.41	26.65	-4.568	carbon	-4.7256667	0.14267796
36.534	26.774	-4.586	oxygen	26.7172222	
32.74	22.98	-4.553			
32.923	23.163	-4.423			
32.844	23.084	-4.357			
32.985	23.225	-4.327			
32.877	23.117	-4.487			
32.831	23.071	-4.513			
32.944	23.184	-4.271			
32.849	23.089	-4.457	carbon	-4.4182222	0.09282481
32.792	23.032	-4.376	oxygen	23.105	
29.854	20.094	-6.201			
29.925	20.165	-6.075			
29.96	20.2	-6.007			
29.901	20.141	-6.076			
29.967	20.207	-6.018			
30.06	20.3	-5.992			
30.037	20.277	-5.996			
29.879	20.119	-6.008	carbon	-6.0388889	0.07003293
29.979	20.219	-5.977	oxygen	20.1913333	
39.429	29.669	-5.22			
39.596	29.836	-5.166			
39.579	29.819	-5.174			
39.563	29.803	-5.023			
39.529	29.769	-5.135			
39.451	29.691	-5.067			

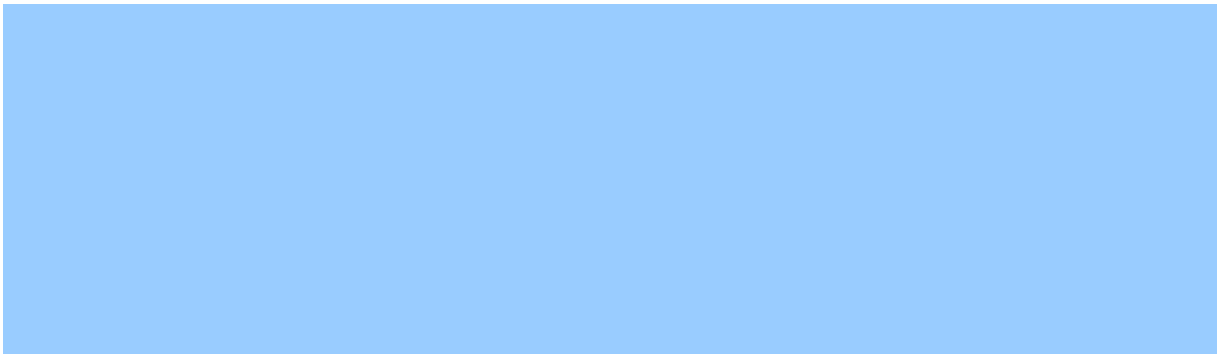
39.435	29.675	-5.046			
39.494	29.734	-5.08	carbon	-5.1052222	0.07039314
39.491	29.731	-5.036	oxygen	29.7474444	
29.219	19.459	-4.972			
29.241	19.481	-4.914			
29.379	19.619	-4.816			
29.368	19.608	-4.765			
29.346	19.586	-4.774			
29.289	19.529	-4.767			
29.285	19.525	-4.724			
29.201	19.441	-4.759	carbon	-4.8086667	0.08122192
29.239	19.479	-4.787	oxygen	19.5252222	
29.855	20.095	-4.983			
29.731	19.971	-4.941			
29.743	19.983	-4.908			
29.808	20.048	-4.807			
29.795	20.035	-4.912			
29.757	19.997	-4.821			
29.783	20.023	-4.846			
29.842	20.082	-4.725	carbon	-4.8576667	0.08400595
29.85	20.09	-4.776	oxygen	20.036	
34.408	24.648	-2.988			
34.557	24.797	-2.958			
34.554	24.794	-2.897			
34.59	24.83	-2.91			
34.651	24.891	-2.866			
34.64	24.88	-2.831			
34.474	24.714	-2.825			
34.452	24.692	-2.695	carbon	-2.8606667	0.09099176
34.432	24.672	-2.776	oxygen	24.7686667	
34.61	24.85	-2.898			
34.847	25.087	-2.69			
34.759	24.999	-2.703			
34.864	25.104	-2.767			
34.778	25.018	-2.679			
34.724	24.964	-2.741			
34.646	24.886	-2.761			
34.769	25.009	-2.544	carbon	-2.7141111	0.09703407
34.775	25.015	-2.644	oxygen	24.9924444	
27.247	17.487	-4.453			
27.159	17.399	-4.523			
27.23	17.47	-4.485			
27.352	17.592	-4.321			
27.27	17.51	-4.399			
27.265	17.505	-4.387			
27.371	17.611	-4.381			
27.198	17.438	-4.551	carbon	-4.4428889	0.07547921
27.177	17.417	-4.486	oxygen	17.4921111	
34.581	24.821	-4.017			

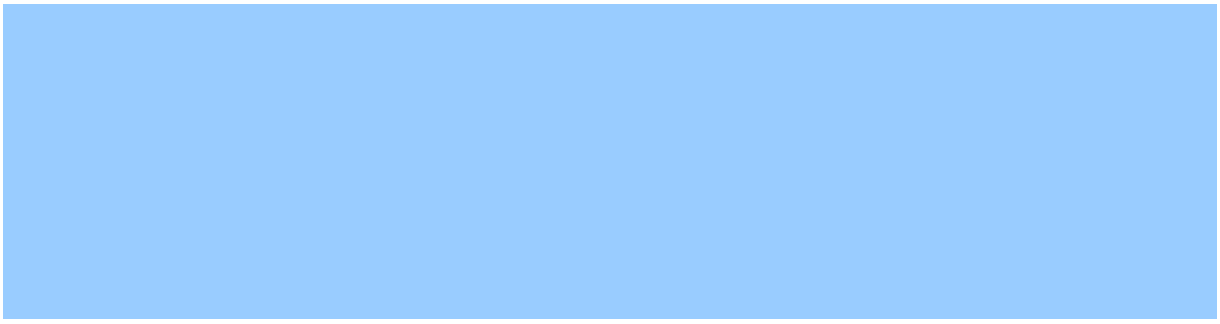
34.792	25.032	-3.935			
34.709	24.949	-4.017			
34.751	24.991	-3.964			
34.852	25.092	-3.869			
34.777	25.017	-3.839			
34.821	25.061	-3.971			
34.838	25.078	-3.709	carbon	-3.9052222	0.10255094
34.759	24.999	-3.826	oxygen	25.0044444	
38.292	28.532	1.442			
38.362	28.602	1.554			
38.425	28.665	1.577			
38.483	28.723	1.732			
38.483	28.723	1.617			
38.35	28.59	1.61			
38.319	28.559	1.487			
38.348	28.588	1.534	carbon	1.58733333	0.09924213
38.353	28.593	1.733	oxygen	28.6194444	

NBS-19 corrected carbon
note: 2nd run ignored oxygen
because it was way off

or NBS-19 is 1.95 ‰. WSU Std A is -9.59 ‰
ated against VSMOW and need to be corrected by -9.76‰ to account for temperature fractionation







average of 2	difference from R
1.56856667	0.38143333
28.6194444	-30.819444

between phosphoric acid and CO_2 at 32°C.