

MAGNETOMETER READINGS

Corrections
100

-10.3

-7

3.2

Peak Dz Depth (m)
3.38

Depth	X raw	Y raw	Z raw	TOT	GRAD	Temp	Tilt	HoleD	Speed	Depth (m)	X (uT)	Y (uT)	Z (uT)	Z_Ave (uT)	Dz Ave	Dz bz	
111	-8.67	-7.58	7.2	13.58	0.11	8.6	1.9	163.7	2	1.11	1.63	-0.58	4	3.97111111	0.02444444	0.02527778	12.638889
112	-8.74	-7.59	7.23	13.65	0.07	8.6	1.9	164.3	2	1.12	1.56	-0.59	4.03	4.02	0.02444444	0.02444444	12.222222
113	-8.8	-7.6	7.25	13.7	0.05	8.6	1.9	164.2	1.9	1.13	1.5	-0.6	4.05	4.06888889	0.02555556	0.02388889	11.944444
114	-8.93	-7.6	7.31	13.82	0.12	8.6	1.9	164.4	2	1.14	1.37	-0.6	4.11	4.12	0.02166667	0.02354167	11.770833
115	-9.06	-7.59	7.37	13.93	0.11	8.6	1.9	163.6	2	1.15	1.24	-0.59	4.17	4.16333333	0.02111111	0.02291667	11.458333
116	-9.2	-7.58	7.42	14.04	0.11	8.6	1.9	163.4	2	1.16	1.1	-0.58	4.22	4.20555556	0.02166667	0.02222222	11.111111
117	-9.27	-7.58	7.45	14.1	0.06	8.6	1.9	163.7	2	1.17	1.03	-0.58	4.25	4.24888889	0.02333333	0.02159722	10.798611
118	-9.4	-7.58	7.51	14.22	0.12	8.6	1.9	163.5	2	1.18	0.9	-0.58	4.31	4.29555556	0.02111111	0.02090278	10.451389
119	-9.46	-7.57	7.53	14.27	0.04	8.6	1.9	162.7	2	1.19	0.84	-0.57	4.33	4.33777778	0.01888889	0.02041667	10.208333
120	-9.58	-7.54	7.58	14.36	0.09	8.6	1.9	162.8	2	1.2	0.72	-0.54	4.38	4.37555556	0.01944444	0.02	10
121	-9.7	-7.51	7.62	14.44	0.09	8.6	1.9	162.2	2	1.21	0.6	-0.51	4.42	4.41444444	0.02	0.019375	9.6875
122	-9.82	-7.48	7.67	14.53	0.09	8.6	1.9	162.5	2	1.22	0.48	-0.48	4.47	4.45444444	0.01777778	0.01847222	9.236111
123	-9.88	-7.48	7.69	14.58	0.05	8.6	1.9	162.2	1.9	1.23	0.42	-0.48	4.49	4.49	0.01777778	0.01770833	8.85416667
124	-9.94	-7.48	7.71	14.64	0.05	8.6	1.9	162.6	1.9	1.24	0.36	-0.48	4.51	4.52555556	0.01666667	0.01722222	8.611111
125	-10.1	-7.45	7.77	14.76	0.13	8.6	1.9	162.6	1.9	1.25	0.2	-0.45	4.57	4.55888889	0.01611111	0.01666667	8.333333
126	-10.21	-7.45	7.81	14.86	0.1	8.6	1.9	162.6	2	1.26	0.09	-0.45	4.61	4.59111111	0.015	0.01576389	7.88194444
127	-10.26	-7.45	7.83	14.9	0.04	8.6	1.9	162.5	2	1.27	0.04	-0.45	4.63	4.62111111	0.015	0.01520833	7.60416667
128	-10.32	-7.45	7.85	14.95	0.05	8.6	1.9	162.3	1.9	1.28	-0.02	-0.45	4.65	4.65111111	0.015	0.01472222	7.361111
129	-10.42	-7.45	7.88	15.04	0.08	8.6	1.9	161.9	1.9	1.29	-0.12	-0.45	4.68	4.68111111	0.01277778	0.01451389	7.25694444
130	-10.51	-7.45	7.91	15.12	0.08	8.6	1.9	161.9	2	1.3	-0.21	-0.45	4.71	4.70666667	0.01333333	0.01430556	7.15277778
131	-10.62	-7.44	7.94	15.2	0.09	8.6	1.9	161.8	2	1.31	-0.32	-0.44	4.74	4.73333333	0.01388889	0.01430556	7.15277778
132	-10.67	-7.44	7.96	15.25	0.05	8.6	1.9	161.9	2	1.32	-0.37	-0.44	4.76	4.76111111	0.015	0.01423611	7.11805556
133	-10.75	-7.43	7.98	15.31	0.06	8.6	1.9	161.5	2	1.33	-0.45	-0.43	4.78	4.79111111	0.01444444	0.01416667	7.083333
134	-10.81	-7.41	8	15.35	0.04	8.6	1.9	161.5	2	1.34	-0.51	-0.41	4.8	4.82	0.015	0.01444444	7.222222
135	-10.92	-7.25	8.05	15.38	0.03	8.6	1.9	160.7	2	1.35	-0.62	-0.25	4.85	4.85	0.01444444	0.01458333	7.29166667
136	-11.01	-7.1	8.08	15.39	0.01	8.6	1.9	160.6	2	1.36	-0.71	-0.1	4.88	4.87888889	0.01444444	0.01451389	7.25694444
137	-11.1	-6.98	8.12	15.42	0.03	8.6	1.9	160.6	2	1.37	-0.8	0.02	4.92	4.90777778	0.015	0.01423611	7.11805556
138	-11.14	-6.94	8.14	15.44	0.02	8.6	1.9	160.1	2	1.38	-0.84	0.06	4.94	4.93777778	0.01444444	0.01402778	7.01388889
139	-11.24	-6.85	8.18	15.5	0.05	8.6	1.9	159.8	2	1.39	-0.94	0.15	4.98	4.96666667	0.01333333	0.01368056	6.84027778
140	-11.33	-6.78	8.2	15.54	0.05	8.6	1.9	159.7	2	1.4	-1.03	0.22	5	4.99333333	0.01277778	0.01333333	6.66666667
141	-11.38	-6.75	8.22	15.58	0.03	8.6	1.9	159.3	2	1.41	-1.08	0.25	5.02	5.01888889	0.01277778	0.01298611	6.49305556
142	-11.47	-6.7	8.25	15.64	0.06	8.6	1.9	159.5	2	1.42	-1.17	0.3	5.05	5.04444444	0.01222222	0.01256944	6.28472222
143	-11.51	-6.69	8.26	15.67	0.03	8.6	1.9	159.4	1.9	1.43	-1.21	0.31	5.06	5.06888889	0.01166667	0.01222222	6.111111
144	-11.59	-6.65	8.29	15.72	0.06	8.6	1.9	159.4	2	1.44	-1.29	0.35	5.09	5.09222222	0.01166667	0.01215278	6.07638889
145	-11.68	-6.6	8.31	15.78	0.06	8.7	1.9	159.4	2	1.45	-1.38	0.4	5.11	5.11555556	0.01166667	0.01201389	6.00694444
146	-11.76	-6.57	8.35	15.85	0.07	8.7	1.9	159.3	2	1.46	-1.46	0.43	5.15	5.13888889	0.01166667	0.011875	5.9375
147	-11.81	-6.55	8.36	15.88	0.03	8.7	1.9	159.3	2	1.47	-1.51	0.45	5.16	5.16222222	0.01277778	0.01173611	5.86805556
148	-11.88	-6.52	8.39	15.94	0.06	8.7	1.9	159.1	1.9	1.48	-1.58	0.48	5.19	5.18777778	0.01166667	0.01166667	5.833333
149	-11.92	-6.52	8.41	15.98	0.04	8.7	1.9	158.9	2	1.49	-1.62	0.48	5.21	5.21111111	0.01166667	0.01152778	5.76388889
150	-12.01	-6.51	8.43	16.05	0.07	8.7	1.9	159	2	1.5	-1.71	0.49	5.23	5.23444444	0.01111111	0.01138889	5.69444444
151	-12.09	-6.51	8.46	16.13	0.08	8.7	1.9	159.2	2	1.51	-1.79	0.49	5.26	5.25666667	0.01111111	0.01131944	5.65972222
152	-12.18	-6.5	8.49	16.21	0.08	8.7	1.9	159.5	2	1.52	-1.88	0.5	5.29	5.27888889	0.01055556	0.01097222	5.48611111
153	-12.22	-6.5	8.5	16.24	0.04	8.7	1.9	159	1.9	1.53	-1.92	0.5	5.3	5.3	0.01055556	0.01083333	5.41666667
154	-12.29	-6.5	8.52	16.31	0.06	8.7	1.9	159	2	1.54	-1.99	0.5	5.32	5.32111111	0.01111111	0.01069444	5.34722222
155	-12.37	-6.51	8.55	16.39	0.08	8.7	1.9	159.3	2	1.55	-2.07	0.49	5.35	5.34333333	0.01	0.010625	5.3125
156	-12.41	-6.52	8.56	16.43	0.04	8.7	1.9	159.3	2	1.56	-2.11	0.48	5.36	5.36333333	0.01055556	0.01048611	5.24305556
157	-12.49	-6.53	8.58	16.5	0.07	8.7	1.9	159.3	2	1.57	-2.19	0.47	5.38	5.38444444	0.01055556	0.01055556	5.27777778
158	-12.53	-6.54	8.6	16.54	0.04	8.7	1.9	159.6	2	1.58	-2.23	0.46	5.4	5.40555556	0.01055556	0.010625	5.3125
159	-12.61	-6.54	8.63	16.62	0.08	8.7	1.9	159.4	1.9	1.59	-2.31	0.46	5.43	5.42666667	0.01	0.01055556	5.27777778
160	-12.68	-6.49	8.64	16.66	0.04	8.7	1.9	159.5	2	1.6	-2.38	0.51	5.44	5.44666667	0.01111111	0.010625	5.3125
161	-12.76	-6.46	8.68	16.73	0.07	8.7	1.9	158.8	2	1.61	-2.46	0.54	5.48	5.46888889	0.01111111	0.01076389	5.38194444
162	-12.8	-6.46	8.69	16.77	0.04	8.7	1.9	159.1	2	1.62	-2.5	0.54	5.49	5.49111111	0.01055556	0.01090278	5.45138889
163	-12.87	-6.46	8.71	16.83	0.06	8.7	1.9	158.7	2	1.63	-2.57	0.54	5.51	5.51222222	0.01055556	0.01097222	5.48611111
164	-12.9	-6.46	8.73	16.86	0.03	8.7	1.9	159.3	2	1.64	-2.6	0.54	5.53	5.53333333	0.01166667	0.01118056	5.59027778
165	-12.99	-6.45	8.76	16.94	0.08	8.7	1.9	159.3	2	1.65	-2.69	0.55	5.56	5.55666667	0.01166667	0.01125	5.625
166	-13.06	-6.43	8.78	17	0.06	8.8	2	158.8	1.9	1.66	-2.76	0.57	5.58	5.58	0.01111111	0.01138889	5.69444444
167	-13.1	-6.44	8.79	17.04	0.04	8.8	1.9	158.8	2	1.67	-2.8	0.56	5.59	5.60222222	0.01166667	0.01152778	5.76388889
168	-13.18	-6.42	8.82	17.11	0.07	8.8	2	158	2	1.68	-2.88	0.58	5.62	5.62555556	0.01166667	0.011875	5.9375
169	-13.27	-6.41	8.85	17.19	0.08	8.8	2	158.2	2	1.69	-2.97	0.59	5.65	5.64888889	0.01222222	0.01229167	6.14583333
170	-13.35	-6.41	8.89	17.27	0.08	8.8	1.9	157.8	1.9	1.7	-3.05	0.59	5.69	5.67333333	0.01166667	0.013125	6.5625
171	-13.39	-6.4	8.89	17.3	0.03	8.8	1.9	157.6	1.9	1.71	-3.09	0.6	5.69	5.69666667	0.01333333	0.01388889	6.94444444
172	-13.47	-6.39	8.92	17.37	0.07	8.8	1.9	157.1	2	1.72	-3.17	0.61	5.72	5.72333333	0.015	0.01458333	7.29166667
173	-13.51	-6.39	8.94	17.41	0.04	8.8	1.9	157.3	2	1.73	-3.21	0.61	5.74	5.75333333	0.01833333	0.01479167	7.39583333
174	-13.59	-6.39	8.98	17.5	0.08	8.8	1.9	157.2	2	1.74	-3.29	0.61	5.78	5.79	0.01722222	0.015	7.5
175	-13.67	-6.4	8.99	17.57	0.07	8.8	1.9	157.9	1.9	1.75	-3.37	0.6	5.79	5.82444444	0.01722222	0.01506944	7.53472222
176	-13.75	-6.4	9.03	17.65	0.08	8.8	1.9	158.1	1.9	1.76	-3.45	0.6	5.83	5.8588			

MAGNETOMETER READINGS

Corrections		Peak Dz Depth (m)																			
100		-10.3	-7	3.2	3.38																
Depth	X raw	Y raw	Z raw	TOT	GRAD	Temp	Tilt	HoleD	Speed	Depth (m)	X (uT)	Y (uT)	Z (uT)	Z_Ave (uT)	Dz	Dz_Ave	Dz big				
221	-16.97	-6.34	9.93	20.66	0.04	9.5	1.8	159.2	2	2.21	-6.67	0.66	6.73	6.73	0.00944444	0.00965278	4.82638889				
222	-17.06	-6.33	9.95	20.74	0.08	9.5	1.8	159.3	1.9	2.22	-6.76	0.67	6.75	6.74888889	0.01	0.00972222	4.86111111				
223	-17.1	-6.33	9.96	20.78	0.04	9.5	1.8	159.4	2	2.23	-6.8	0.67	6.76	6.76888889	0.01055556	0.00979167	4.89583333				
224	-17.2	-6.34	9.99	20.88	0.1	9.5	1.8	159.4	2	2.24	-6.9	0.66	6.79	6.79	0.00944444	0.00986111	4.93055556				
225	-17.31	-6.34	10.01	20.98	0.1	9.5	1.8	159.9	2	2.25	-7.01	0.66	6.81	6.80888889	0.01	0.00993056	4.96527778				
226	-17.36	-6.35	10.03	21.03	0.05	9.5	1.8	159.4	2	2.26	-7.06	0.65	6.83	6.82888889	0.01	0.01	5				
227	-17.45	-6.34	10.05	21.11	0.08	9.5	1.8	160	1.9	2.27	-7.15	0.66	6.85	6.84888889	0.01	0.00993056	4.96527778				
228	-17.5	-6.34	10.07	21.16	0.05	9.5	1.8	159.9	2	2.28	-7.2	0.66	6.87	6.86888889	0.01	0.00986111	4.93055556				
229	-17.6	-6.35	10.09	21.26	0.1	9.5	1.8	160.2	2	2.29	-7.3	0.65	6.89	6.88888889	0.01	0.00986111	4.93055556				
230	-17.69	-6.34	10.11	21.34	0.08	9.5	1.8	160.8	2	2.3	-7.39	0.66	6.91	6.90888889	0.00944444	0.00979167	4.89583333				
231	-17.79	-6.33	10.13	21.43	0.09	9.6	1.8	161	2	2.31	-7.49	0.67	6.93	6.92777778	0.01	0.00979167	4.89583333				
232	-17.84	-6.32	10.14	21.47	0.04	9.6	1.9	160.9	2	2.32	-7.54	0.68	6.94	6.94777778	0.00944444	0.00986111	4.93055556				
233	-17.94	-6.32	10.17	21.57	0.1	9.6	1.9	160.6	1.9	2.33	-7.64	0.68	6.97	6.96666667	0.00944444	0.00993056	4.96527778				
234	-18.04	-6.32	10.19	21.66	0.09	9.6	1.9	160.6	2	2.34	-7.74	0.68	6.99	6.98555556	0.01	0.01	5				
235	-18.09	-6.31	10.2	21.7	0.04	9.6	1.9	160.4	2	2.35	-7.79	0.69	7	7.00555556	0.01055556	0.01006944	5.03472222				
236	-18.2	-6.31	10.23	21.81	0.11	9.6	1.9	160.2	2	2.36	-7.9	0.69	7.03	7.02666667	0.01055556	0.01013889	5.06944444				
237	-18.26	-6.31	10.24	21.87	0.05	9.6	1.9	160.1	2	2.37	-7.96	0.69	7.04	7.04777778	0.01055556	0.01027778	5.13888889				
238	-18.38	-6.3	10.26	21.97	0.11	9.6	1.9	160.3	1.9	2.38	-8.08	0.7	7.06	7.06888889	0.01	0.01055556	5.27777778				
239	-18.49	-6.29	10.29	22.08	0.1	9.6	1.9	160.5	2	2.39	-8.19	0.71	7.09	7.08888889	0.01055556	0.01069444	5.34722222				
240	-18.61	-6.29	10.32	22.19	0.11	9.6	1.9	160.7	2	2.4	-8.31	0.71	7.12	7.11	0.01055556	0.01069444	5.34722222				
241	-18.66	-6.28	10.33	22.23	0.04	9.6	1.9	160.5	2	2.41	-8.36	0.72	7.13	7.13111111	0.01166667	0.010625	5.3125				
242	-18.78	-6.28	10.36	22.35	0.11	9.6	1.9	160.5	2	2.42	-8.48	0.72	7.16	7.15444444	0.01111111	0.01055556	5.27777778				
243	-18.84	-6.27	10.37	22.4	0.05	9.6	1.9	160.7	2	2.43	-8.54	0.73	7.17	7.17666667	0.01055556	0.01055556	5.27777778				
244	-18.96	-6.27	10.39	22.51	0.11	9.6	1.9	160.1	2	2.44	-8.66	0.73	7.19	7.19777778	0.01	0.01048611	5.24305556				
245	-19.09	-6.25	10.42	22.63	0.12	9.6	1.9	159.6	2	2.45	-8.79	0.75	7.22	7.21777778	0.01	0.01034722	5.17361111				
246	-19.22	-6.24	10.45	22.75	0.12	9.6	1.9	159.9	2	2.46	-8.92	0.76	7.25	7.23777778	0.01	0.01	5				
247	-19.28	-6.23	10.46	22.8	0.05	9.6	1.9	159.8	2	2.47	-8.98	0.77	7.26	7.25777778	0.01	0.00965278	4.82638889				
248	-19.41	-6.21	10.48	22.92	0.11	9.6	1.9	160.3	2	2.48	-9.11	0.79	7.28	7.27777778	0.00944444	0.009375	4.6875				
249	-19.55	-6.21	10.5	23.04	0.13	9.7	1.9	160.1	2	2.49	-9.25	0.79	7.3	7.29666667	0.00888889	0.00909722	4.54861111				
250	-19.62	-6.2	10.51	23.11	0.06	9.7	1.9	160.1	2	2.5	-9.32	0.8	7.31	7.31444444	0.00833333	0.00875	4.375				
251	-19.75	-6.2	10.54	23.23	0.12	9.7	1.9	160.2	2	2.51	-9.45	0.8	7.34	7.33111111	0.00833333	0.00847222	4.23611111				
252	-19.82	-6.19	10.55	23.29	0.06	9.7	1.9	160.3	2	2.52	-9.52	0.81	7.35	7.34777778	0.00777778	0.00805556	4.02777778				
253	-19.95	-6.18	10.56	23.4	0.11	9.7	1.9	159.8	2	2.53	-9.65	0.82	7.36	7.36333333	0.00722222	0.00770833	3.85416667				
254	-20.09	-6.17	10.58	23.53	0.13	9.7	1.9	160.3	2	2.54	-9.79	0.83	7.38	7.37777778	0.00777778	0.00743056	3.71527778				
255	-20.24	-6.16	10.6	23.66	0.13	9.7	1.9	160.4	2	2.55	-9.94	0.84	7.4	7.39333333	0.00666667	0.00715278	3.57638889				
256	-20.32	-6.16	10.61	23.74	0.07	9.7	1.9	160.7	2	2.56	-10.02	0.84	7.41	7.40666667	0.00666667	0.00680556	3.40277778				
257	-20.46	-6.16	10.62	23.86	0.12	9.7	1.9	160.5	1.9	2.57	-10.16	0.84	7.42	7.42	0.00666667	0.00645833	3.22916667				
258	-20.54	-6.16	10.63	23.93	0.07	9.7	1.9	160.7	2	2.58	-10.24	0.84	7.43	7.43333333	0.00611111	0.00618056	3.09027778				
259	-20.69	-6.15	10.65	24.07	0.14	9.7	1.9	160.6	2	2.59	-10.39	0.85	7.45	7.44555556	0.00555556	0.00576389	2.88194444				
260	-20.84	-6.15	10.66	24.2	0.13	9.7	1.9	160.7	1.9	2.6	-10.54	0.85	7.46	7.45666667	0.005	0.00534722	2.67361111				
261	-20.91	-6.15	10.67	24.27	0.06	9.7	1.9	160.8	2	2.61	-10.61	0.85	7.47	7.46666667	0.005	0.00486111	2.43055556				
262	-21.08	-6.14	10.68	24.42	0.15	9.7	1.9	160.9	2	2.62	-10.78	0.86	7.48	7.47666667	0.00444444	0.00430556	2.15277778				
263	-21.24	-6.14	10.69	24.56	0.14	9.7	1.9	160.9	2	2.63	-10.94	0.86	7.49	7.48555556	0.00333333	0.00375	1.875				
264	-21.4	-6.13	10.7	24.7	0.14	9.7	1.9	160.7	2	2.64	-11.1	0.87	7.5	7.49222222	0.00277778	0.003125	1.5625				
265	-21.48	-6.13	10.7	24.77	0.07	9.7	1.9	161.3	1.9	2.65	-11.18	0.87	7.5	7.49777778	0.00222222	0.00236111	1.18055556				
266	-21.66	-6.13	10.71	24.93	0.16	9.7	1.9	161.5	2	2.66	-11.36	0.87	7.51	7.50222222	0.00166667	0.00159722	0.79861111				
267	-21.74	-6.13	10.71	25	0.07	9.7	1.9	161.6	2	2.67	-11.44	0.87	7.51	7.50555556	0.00055556	0.00076389	0.38194444				
268	-21.91	-6.13	10.71	25.15	0.15	9.7	1.9	161.3	2	2.68	-11.61	0.87	7.51	7.50666667	-0.00111111	0	0				
269	-22.09	-6.12	10.71	25.3	0.15	9.7	1.9	161.1	2	2.69	-11.79	0.88	7.51	7.50444444	-0.00111111	-0.00083333	-0.41666667				
270	-22.18	-6.11	10.71	25.38	0.08	9.7	1.9	161.2	2	2.7	-11.88	0.89	7.51	7.50222222	-0.00222222	-0.00173611	-0.86805556				
271	-22.35	-6.11	10.71	25.53	0.15	9.8	1.9	161.9	2	2.71	-12.05	0.89	7.51	7.49777778	-0.00277778	-0.00270833	-1.35416667				
272	-22.45	-6.11	10.7	25.61	0.08	9.8	1.9	161.5	2	2.72	-12.15	0.89	7.5	7.49222222	-0.00388889	-0.00368056	-1.84027778				
273	-22.72	-6.1	10.68	25.84	0.23	9.8	1.9	161.6	1.9	2.73	-12.42	0.9	7.48	7.48444444	-0.005	-0.00451389	-2.25694444				
274	-22.82	-6.09	10.68	25.92	0.09	9.8	1.9	162	2	2.74	-12.52	0.91	7.48	7.47444444	-0.00611111	-0.00541667	-2.70833333				
275	-22.91	-6.09	10.67	26	0.08	9.8	1.9	161.8	2	2.75	-12.61	0.91	7.47	7.46222222	-0.00722222	-0.00645833	-3.22916667				
276	-23.09	-6.08	10.66	26.15	0.15	9.8	1.9	161.5	2	2.76	-12.79	0.92	7.46	7.44777778	-0.00777778	-0.00770833	-3.85416667				
277	-23.28	-6.08	10.64	26.31	0.16	9.8	1.9	161.3	2	2.77	-12.98	0.92	7.44	7.43222222	-0.00833333	-0.00881944	-4.40972222				
278	-23.47	-6.07	10.62	26.47	0.16	9.8	1.9	161	2	2.78	-13.17	0.93	7.42	7.41555556	-0.01055556	-0.01069444	-5.03472222				
279	-23.57	-6.06	10.6	26.54	0.08	9.8	1.9	160.9	2	2.79	-13.27	0.94	7.4	7.39444444	-0.01277778	-0.01118056	-5.59027778				
280	-23.77	-6.05	10.58	26.71	0.17	9.8	1.9	161.5	2	2.8	-13.47	0.95	7.38	7.36888889	-0.01277778	-0.01256944	-6.28472222				
281	-23.88	-6.05	10.56	26.8	0.09	9.8	1.9	161.3	2	2.81	-13.58	0.95	7.36	7.34333333	-0.015	-0.01402778	-7.01388889				
282	-24.08	-6.04	10.53	26.97	0.16	9.8	1.9	161.4	2	2.82	-13.78	0.96	7.33	7.31333333	-0.015	-0.01548611	-7.74305556				
283	-24.29	-6.03	10.49	27.14	0.17	9.8															

MAGNETOMETER READINGS

Corrections		Peak Dz Depth (m)															
100		-10.3	-7	3.2	3.38												
Depth	X raw	Y raw	Z raw	TOT	GRAD	Temp	Tilt	HoleD	Speed	Depth (m)	X (uT)	Y (uT)	Z (uT)	Z_Ave (uT)	Dz	Dz_Ave	Dz big
331	-31.83	-5.95	3.51	32.57	0	10.4	2	163.7	1.9	3.31	-21.53	1.05	0.31	0.30777778	-0.15166667	-0.14916667	-74.5833333
332	-31.86	-5.94	3.14	32.56	-0.01	10.4	1.9	163.9	2	3.32	-21.56	1.06	-0.06	0.00444444	-0.15388889	-0.15166667	-75.8333333
333	-31.85	-5.94	2.96	32.53	-0.03	10.4	2	163.3	1.9	3.33	-21.55	1.06	-0.24	-0.30333333	-0.15666667	-0.15277778	-76.3888889
334	-31.85	-5.95	2.57	32.5	-0.03	10.4	1.9	163.8	2	3.34	-21.55	1.05	-0.63	-0.61666667	-0.15722222	-0.15465278	-77.3263889
335	-31.84	-5.95	2.39	32.48	-0.02	10.4	1.9	163.111111	2	3.35	-21.54	1.05	-0.81	-0.93111111	-0.15944444	-0.15625	-78.125
336	-31.79	-5.96	1.99	32.41	-0.07	10.4	2	163.8	2	3.36	-21.49	1.04	-1.21	-1.25	-0.15	-0.15861111	-79.3055556
337	-31.71	-5.96	1.61	32.31	-0.1	10.4	2	163.7	1.9	3.37	-21.41	1.04	-1.59	-1.55	-0.16111111	-0.15916667	-79.5833333
338	-31.61	-5.96	1.22	32.19	-0.12	10.4	2	163.1	1.9	3.38	-21.31	1.04	-1.98	-1.87222222	-0.16	-0.15916667	-79.5833333
339	-31.55	-5.96	1.03	32.12	-0.07	10.4	1.9	163.4	2	3.39	-21.25	1.04	-2.17	-2.19222222	-0.17055556	-0.15875	-79.375
340	-31.42	-5.97	0.64	31.99	-0.14	10.4	2	163.2	2	3.4	-21.12	1.03	-2.56	-2.53333333	-0.15833333	-0.15798611	-78.9930556
341	-31.33	-5.98	0.44	31.9	-0.09	10.4	1.9	163.4	2	3.41	-21.03	1.02	-2.76	-2.85	-0.15666667	-0.15784722	-78.9236111
342	-31.16	-5.98	0.06	31.73	-0.17	10.4	1.9	163.6	2	3.42	-20.86	1.02	-3.14	-3.16333333	-0.15388889	-0.15604167	-78.0208333
343	-30.96	-6	-0.31	31.54	-0.19	10.4	1.9	163.8	1.9	3.43	-20.66	1	-3.51	-3.47111111	-0.15333333	-0.15375	-76.875
344	-30.72	-6.01	-0.68	31.31	-0.23	10.4	1.9	163.7	1.9	3.44	-20.42	0.99	-3.88	-3.77777778	-0.14888889	-0.14951389	-74.7569444
345	-30.6	-6.02	-0.86	31.2	-0.11	10.4	1.9	163.1	1.9	3.45	-20.3	0.98	-4.06	-4.07555556	-0.14666667	-0.14597222	-72.9861111
346	-30.33	-6.03	-1.21	30.95	-0.25	10.4	2	163.1	2	3.46	-20.03	0.97	-4.41	-4.36888889	-0.14166667	-0.14222222	-71.1111111
347	-30.04	-6.04	-1.55	30.68	-0.27	10.4	1.9	163.2	2	3.47	-19.74	0.96	-4.75	-4.65222222	-0.13666667	-0.13791667	-68.9583333
348	-29.89	-6.05	-1.73	30.55	-0.14	10.4	1.9	163.3	1.9	3.48	-19.59	0.95	-4.93	-4.92555556	-0.13	-0.13208333	-66.0416667
349	-29.57	-6.06	-2.04	30.25	-0.29	10.4	1.9	162.8	2	3.49	-19.27	0.94	-5.24	-5.18555556	-0.12666667	-0.12680556	-63.4027778
350	-29.41	-6.07	-2.2	30.11	-0.14	10.4	2	162.8	1.9	3.5	-19.11	0.93	-5.4	-5.43888889	-0.11944444	-0.12083333	-60.4166667
351	-29.05	-6.08	-2.49	29.78	-0.33	10.5	2	163.1	1.9	3.51	-18.75	0.92	-5.69	-5.67777778	-0.10666667	-0.11541667	-57.7083333
352	-28.67	-6.1	-2.77	29.44	-0.34	10.5	2	163	2	3.52	-18.37	0.9	-5.97	-5.89111111	-0.10666667	-0.10902778	-54.5138889
353	-28.28	-6.11	-3.02	29.09	-0.35	10.5	2	163	2	3.53	-17.98	0.89	-6.22	-6.10444444	-0.09888889	-0.10243056	-51.2152778
354	-28.08	-6.13	-3.14	28.91	-0.18	10.5	2	162.8	2	3.54	-17.78	0.87	-6.34	-6.30222222	-0.09833333	-0.09513889	-47.5694444
355	-27.68	-6.14	-3.36	28.55	-0.36	10.5	2	162.5	1.9	3.55	-17.38	0.86	-6.56	-6.49888889	-0.08555556	-0.08826389	-44.1319444
356	-27.48	-6.15	-3.47	28.37	-0.18	10.5	2	162.7	1.9	3.56	-17.18	0.85	-6.67	-6.67	-0.07222222	-0.08194444	-40.9722222
357	-27.07	-6.17	-3.65	28	-0.37	10.5	2	162.4	2	3.57	-16.77	0.83	-6.85	-6.82444444	-0.06833333	-0.07506944	-37.5347222
358	-26.65	-6.18	-3.82	27.62	-0.38	10.5	2	162.6	1.9	3.58	-16.35	0.82	-7.02	-6.96111111	-0.06444444	-0.06826389	-34.3194444
359	-26.22	-6.2	-3.97	27.23	-0.39	10.5	2	162	2	3.59	-15.92	0.8	-7.17	-7.09	-0.05611111	-0.06055556	-30.2777778
360	-26.01	-6.2	-4.03	27.04	-0.19	10.5	2	162.1	1.9	3.6	-15.71	0.8	-7.23	-7.20222222	-0.05166667	-0.05347222	-26.7361111
361	-25.58	-6.23	-4.16	26.65	-0.39	10.5	2	161.9	1.9	3.61	-15.28	0.77	-7.36	-7.30555556	-0.04444444	-0.04694444	-23.4722222
362	-25.13	-6.25	-4.25	26.24	-0.41	10.5	2	162.4	2	3.62	-14.83	0.75	-7.45	-7.39444444	-0.03666667	-0.04055556	-20.2777778
363	-24.91	-6.26	-4.3	26.04	-0.2	10.5	2	162.7	2	3.63	-14.61	0.74	-7.5	-7.46777778	-0.02888889	-0.03388889	-16.9444444
364	-24.48	-6.3	-4.37	25.65	-0.39	10.5	2	162.8	1.9	3.64	-14.18	0.7	-7.57	-7.52555556	-0.025	-0.02777778	-13.8888889
365	-24.27	-6.32	-4.4	25.46	-0.19	10.5	2	163.5	2	3.65	-13.97	0.68	-7.6	-7.57555556	-0.01722222	-0.02138889	-10.6944444
366	-23.84	-6.33	-4.45	25.06	-0.4	10.5	2	163.4	2	3.66	-13.54	0.67	-7.65	-7.61	-0.01111111	-0.01534722	-7.6736111
367	-23.42	-6.34	-4.48	24.67	-0.39	10.5	2	163.1	1.9	3.67	-13.12	0.66	-7.68	-7.63222222	-0.00722222	-0.00972222	-4.8611111
368	-23.02	-6.37	-4.49	24.3	-0.37	10.5	2	163.3	1.9	3.68	-12.72	0.63	-7.69	-7.64666667	-0.00055556	-0.00444444	-2.2222222
369	-22.84	-6.4	-4.48	24.14	-0.16	10.5	2	163.4	2	3.69	-12.54	0.6	-7.68	-7.64777778	0.00388889	0.00090278	0.4513889
370	-22.47	-6.42	-4.47	23.79	-0.35	10.5	2	163.8	2	3.7	-12.17	0.58	-7.67	-7.64	0.00833333	0.00548611	2.7430556
371	-22.29	-6.44	-4.45	23.62	-0.17	10.6	2	163.9	2	3.71	-11.99	0.56	-7.65	-7.62333333	0.01333333	0.00979167	4.89583333
372	-21.94	-6.47	-4.43	23.3	-0.33	10.6	2	163.8	1.9	3.72	-11.64	0.53	-7.63	-7.59666667	0.01777778	0.01375	6.875
373	-21.58	-6.48	-4.38	22.95	-0.35	10.6	2	163.7	1.9	3.73	-11.28	0.52	-7.58	-7.56111111	0.01944444	0.01729167	8.64583333
374	-21.23	-6.48	-4.33	22.62	-0.34	10.6	2	163.2	2	3.74	-10.93	0.52	-7.53	-7.52222222	0.02333333	0.02048611	10.2430556
375	-21.06	-6.48	-4.3	22.45	-0.17	10.6	2	163.2	2	3.75	-10.76	0.52	-7.5	-7.47555556	0.02444444	0.02340278	11.7013889
376	-20.73	-6.5	-4.24	22.14	-0.31	10.6	2	163.3	2	3.76	-10.43	0.5	-7.44	-7.42666667	0.02777778	0.02576389	12.8819444
377	-20.42	-6.5	-4.17	21.83	-0.3	10.6	2	163.1	2	3.77	-10.12	0.5	-7.37	-7.37111111	0.02944444	0.02777778	13.8888889
378	-20.27	-6.51	-4.13	21.69	-0.14	10.6	2	163.2	1.9	3.78	-9.97	0.49	-7.33	-7.31222222	0.03166667	0.02951389	14.7569444
379	-19.98	-6.52	-4.05	21.4	-0.28	10.6	2	162.6	1.9	3.79	-9.68	0.48	-7.25	-7.24888889	0.03222222	0.03118056	15.5902778
380	-19.84	-6.53	-4.01	21.27	-0.14	10.6	2	162.9	2	3.8	-9.54	0.47	-7.21	-7.18444444	0.03388889	0.03298611	16.4930556
381	-19.55	-6.54	-3.93	20.99	-0.28	10.6	2	163	2	3.81	-9.25	0.46	-7.13	-7.11666667	0.		

MAGNETOMETER READINGS

Corrections	Peak Dz Depth (m)																
	100	-10.3	-7	3.2	3.38												
Depth	X raw	Y raw	Z raw	TOT	GRAD	Temp	Tilt	HoleD	Speed	Depth (m)	X (uT)	Y (uT)	Z (uT)	Z_Ave (uT)	Dz	Dz_Ave	Dz big
441	-13.17	-6.67	-0.12	14.76	-0.04	11.2	2	165.5	1.9	4.41	-2.87	0.33	-3.32	-3.32444444	0.01777778	0.01854167	9.27083333
442	-13.12	-6.67	-0.08	14.72	-0.04	11.2	2	164.8	2	4.42	-2.82	0.33	-3.28	-3.28888889	0.01777778	0.01826389	9.13194444
443	-13.06	-6.68	-0.04	14.67	-0.05	11.2	2	164.7	1.9	4.43	-2.76	0.32	-3.24	-3.25333333	0.01777778	0.01798611	8.99305556
444	-13.04	-6.68	-0.02	14.65	-0.02	11.2	2	164.6	1.9	4.44	-2.74	0.32	-3.22	-3.21777778	0.01833333	0.01770833	8.85416667
445	-12.98	-6.67	0.02	14.59	-0.06	11.2	2	165	2	4.45	-2.68	0.33	-3.18	-3.18111111	0.01722222	0.01784722	8.92361111
446	-12.95	-6.67	0.04	14.57	-0.03	11.2	2	164.9	1.9	4.46	-2.65	0.33	-3.16	-3.14666667	0.01777778	0.01791667	8.95833333
447	-12.92	-6.67	0.08	14.54	-0.03	11.2	2	165	2	4.47	-2.62	0.33	-3.12	-3.11111111	0.01666667	0.01798611	8.99305556
448	-12.87	-6.67	0.13	14.5	-0.04	11.2	2	164.7	1.9	4.48	-2.57	0.33	-3.07	-3.07777778	0.01944444	0.01798611	8.99305556
449	-12.83	-6.67	0.16	14.46	-0.04	11.2	2	164.6	1.9	4.49	-2.53	0.33	-3.04	-3.03888889	0.01833333	0.01777778	8.88888889
450	-12.81	-6.67	0.19	14.44	-0.02	11.2	2	164.5	1.9	4.5	-2.51	0.33	-3.01	-3.00222222	0.01833333	0.01770833	8.85416667
451	-12.79	-6.66	0.24	14.42	-0.02	11.2	2	164.2	2	4.51	-2.49	0.34	-2.96	-2.96555556	0.01777778	0.0175	8.75
452	-12.77	-6.66	0.26	14.4	-0.02	11.2	1.9	164.2	2	4.52	-2.47	0.34	-2.94	-2.93	0.01666667	0.01729167	8.64583333
453	-12.73	-6.66	0.33	14.37	-0.03	11.2	1.9	164.1	2	4.53	-2.43	0.34	-2.87	-2.89666667	0.01666667	0.01673611	8.36805556
454	-12.7	-6.66	0.35	14.34	-0.03	11.2	1.9	164.2	1.9	4.54	-2.4	0.34	-2.85	-2.86333333	0.01611111	0.01604167	8.02083333
455	-12.69	-6.67	0.37	14.34	0	11.2	1.9	164.2	2	4.55	-2.39	0.33	-2.83	-2.83111111	0.015	0.01548611	7.74305556
456	-12.65	-6.67	0.4	14.31	-0.03	11.2	1.9	163.8	2	4.56	-2.35	0.33	-2.8	-2.80111111	0.015	0.01506944	7.53472222
457	-12.6	-6.66	0.43	14.26	-0.05	11.2	1.9	163.8	2	4.57	-2.3	0.34	-2.77	-2.77111111	0.01277778	0.01506944	7.53472222
458	-12.57	-6.66	0.46	14.23	-0.03	11.3	1.9	164	2	4.58	-2.27	0.34	-2.74	-2.74555556	0.01388889	0.01486111	7.43055556
459	-12.55	-6.67	0.48	14.22	-0.01	11.3	1.9	163.4	1.9	4.59	-2.25	0.33	-2.72	-2.71777778	0.01444444	0.01465278	7.32638889
460	-12.52	-6.67	0.51	14.2	-0.03	11.3	1.9	163.9	2	4.6	-2.22	0.33	-2.69	-2.68888889	0.01666667	0.01451389	7.25694444
461	-12.5	-6.67	0.53	14.18	-0.02	11.3	1.9	163.9	2	4.61	-2.2	0.33	-2.67	-2.65555556	0.015	0.014375	7.1875
462	-12.47	-6.68	0.56	14.16	-0.02	11.3	1.9	163.6	1.9	4.62	-2.17	0.32	-2.64	-2.62555556	0.01444444	0.01458333	7.29166667
463	-12.44	-6.67	0.6	14.13	-0.03	11.3	1.9	163.8	1.9	4.63	-2.14	0.33	-2.6	-2.59666667	0.01388889	0.01465278	7.32638889
464	-12.41	-6.67	0.63	14.1	-0.03	11.3	1.9	163.9	1.9	4.64	-2.11	0.33	-2.57	-2.56888889	0.01388889	0.01444444	7.22222222
465	-12.35	-6.66	0.7	14.05	-0.05	11.3	1.9	163	2	4.65	-2.05	0.34	-2.5	-2.54111111	0.01444444	0.01381944	6.90972222
466	-12.35	-6.66	0.7	14.05	0	11.3	1.9	163	2	4.66	-2.05	0.34	-2.5	-2.51222222	0.01444444	0.013125	6.5625
467	-12.33	-6.65	0.72	14.03	-0.02	11.3	1.9	163	2	4.67	-2.03	0.35	-2.48	-2.48333333	0.01277778	0.01263889	6.31944444
468	-12.32	-6.66	0.73	14.02	0	11.3	1.9	163.2	1.9	4.68	-2.02	0.34	-2.47	-2.45777778	0.01166667	0.01222222	6.11111111
469	-12.29	-6.67	0.76	14	-0.02	11.3	1.9	162.9	2	4.69	-1.99	0.33	-2.44	-2.43444444	0.00944444	0.01201389	6.06944444
470	-12.27	-6.67	0.79	13.99	-0.02	11.3	1.9	163.1	1.9	4.7	-1.97	0.33	-2.41	-2.41555556	0.01055556	0.01152778	5.76388889
471	-12.23	-6.68	0.82	13.96	-0.03	11.3	1.9	162.7	2	4.71	-1.93	0.32	-2.38	-2.39444444	0.01055556	0.01104167	5.52083333
472	-12.21	-6.68	0.83	13.94	-0.02	11.3	1.9	162.7	1.9	4.72	-1.91	0.32	-2.37	-2.37333333	0.01222222	0.01076389	5.38194444
473	-12.19	-6.68	0.84	13.93	-0.02	11.3	1.9	162.7	1.9	4.73	-1.89	0.32	-2.36	-2.34888889	0.01055556	0.01076389	5.38194444
474	-12.16	-6.69	0.87	13.91	-0.02	11.3	1.9	163.2	2	4.74	-1.86	0.31	-2.33	-2.32777778	0.01055556	0.01097222	5.48611111
475	-12.16	-6.7	0.89	13.91	0.01	11.3	1.9	163.6	1.9	4.75	-1.86	0.3	-2.31	-2.30666667	0.01055556	0.01111111	5.55555556
476	-12.13	-6.7	0.91	13.89	-0.02	11.3	1.9	163.8	1.9	4.76	-1.83	0.3	-2.29	-2.28555556	0.01166667	0.01125	5.625
477	-12.09	-6.72	0.95	13.86	-0.02	11.3	1.9	164.3	1.9	4.77	-1.79	0.28	-2.25	-2.26222222	0.01111111	0.01118056	5.59027778
478	-12.09	-6.72	0.95	13.86	0	11.3	1.9	164.3	1.9	4.78	-1.79	0.28	-2.25	-2.24	0.01166667	0.01118056	5.59027778
479	-12.05	-6.73	0.98	13.84	-0.03	11.3	1.9	164.2	1.9	4.79	-1.75	0.27	-2.22	-2.21666667	0.01166667	0.01131944	5.65972222
480	-12.04	-6.74	1.01	13.84	0	11.3	1.9	164.2	1.9	4.8	-1.74	0.26	-2.19	-2.19333333	0.01166667	0.01138889	5.69444444
481	-12	-6.74	1.04	13.8	-0.03	11.3	1.9	164.3	2	4.81	-1.7	0.26	-2.16	-2.17	0.01055556	0.01131944	5.65972222
482	-12	-6.74	1.04	13.8	0	11.3	1.9	164.3	2	4.82	-1.7	0.26	-2.16	-2.14888889	0.01166667	0.01118056	5.59027778
483	-11.97	-6.74	1.08	13.78	-0.02	11.3	1.9	163.9	1.9	4.83	-1.67	0.26	-2.12	-2.12555556	0.01111111	0.01111111	5.55555556
484	-11.95	-6.73	1.1	13.76	-0.02	11.3	1.9	163.8	1.9	4.84	-1.65	0.27	-2.1	-2.10333333	0.01111111	0.01097222	5.48611111
485	-11.94	-6.73	1.12	13.75	-0.01	11.3	1.9	163.9	1.9	4.85	-1.64	0.27	-2.08	-2.08111111	0.01	0.01083333	5.41666667
486	-11.92	-6.73	1.14	13.74	-0.02	11.4	1.9	164.1	1.9	4.86	-1.62	0.27	-2.06	-2.06111111	0.01111111	0.01076389	5.38194444
487	-11.91	-6.73	1.16	13.73	-0.01	11.4	1.9	164	1.9	4.87	-1.61	0.27	-2.04	-2.03888889	0.01055556	0.01055556	5.27777778
488	-11.89	-6.73	1.18	13.71	-0.02	11.4	1.9	163.8	1.9	4.88	-1.59	0.27	-2.02	-2.01777778	0.01055556	0.01034722	5.17361111
489	-11.87	-6.73	1.21	13.7	-0.01	11.4	1.9	164	1.9	4.89	-1.57	0.27	-1.99	-1.99666667	0.01	0.01013889	5.06944444
490	-11.85	-6.74	1.22	13.69	-0.01	11.4	1.9	163.8	1.9	4.9	-1.55	0.26	-1.98	-1.97666667	0.01	0.01	5
491	-11.84	-6.75	1.24	13.69	0	11.4	1.9	164.1	1.9	4.91	-1.54	0.25	-1.96				

MAGNETOMETER READINGS

Corrections		Peak Dz Depth (m)															
100	-10.3	-7	3.2	3.38													
Depth	X raw	Y raw	Z raw	TOT	GRAD	Temp	Tilt	HoleD	Speed	Depth (m)	X (uT)	Y (uT)	Z (uT)	Z_Ave (uT)	Dz	Dz_Ave	Dz big
551	-11.04	-6.95	2.14	13.22	-0.01	11.8	1.9	167.8	1.9	5.51	-0.74	0.05	-1.06	-1.06333333	0.00555556	0.00541667	2.70833333
552	-11.03	-6.95	2.14	13.21	-0.01	11.8	1.9	167.7	1.9	5.52	-0.73	0.05	-1.06	-1.05222222	0.005	0.00548611	2.74305556
553	-11.01	-6.95	2.15	13.2	-0.02	11.8	1.9	168.3	1.9	5.53	-0.71	0.05	-1.05	-1.04222222	0.00555556	0.005625	2.8125
554	-11.01	-6.96	2.17	13.2	0.01	11.8	1.9	168.1	2	5.54	-0.71	0.04	-1.03	-1.03111111	0.00555556	0.005625	2.8125
555	-11	-6.96	2.18	13.2	-0.01	11.8	1.9	168.3	2	5.55	-0.7	0.04	-1.02	-1.02	0.00555556	0.00555556	2.77777778
556	-10.99	-6.96	2.19	13.19	-0.01	11.8	1.9	167.9	1.9	5.56	-0.69	0.04	-1.01	-1.00888889	0.00611111	0.00548611	2.74305556
557	-10.98	-6.97	2.2	13.19	0	11.9	1.9	168.2	2	5.57	-0.68	0.03	-1	-0.99666667	0.00555556	0.00548611	2.74305556
558	-10.97	-6.97	2.22	13.19	0	11.9	1.9	168.7	1.9	5.58	-0.67	0.03	-0.98	-0.98555556	0.00555556	0.00541667	2.70833333
559	-10.97	-6.98	2.23	13.19	0.01	11.9	1.9	168.8	1.9	5.59	-0.67	0.02	-0.97	-0.97444444	0.005	0.00527778	2.63888889
560	-10.97	-6.97	2.24	13.19	0	11.9	1.9	168.5	2	5.6	-0.67	0.03	-0.96	-0.96444444	0.005	0.00513889	2.56944444
561	-10.96	-6.97	2.25	13.18	-0.01	11.9	1.8	168.3	1.9	5.61	-0.66	0.03	-0.95	-0.95444444	0.005	0.00493056	2.46527778
562	-10.95	-6.97	2.25	13.17	-0.01	11.9	1.8	168.2	1.9	5.62	-0.65	0.03	-0.95	-0.94444444	0.00444444	0.00479167	2.39583333
563	-10.94	-6.96	2.27	13.16	-0.01	11.9	1.8	168.3	1.9	5.63	-0.64	0.04	-0.93	-0.93555556	0.00444444	0.00465278	2.32638889
564	-10.93	-6.95	2.27	13.15	-0.01	11.9	1.8	168.7	1.9	5.64	-0.63	0.05	-0.93	-0.92666667	0.00444444	0.00458333	2.29166667
565	-10.91	-6.95	2.28	13.14	-0.01	11.9	1.9	167.7	1.9	5.65	-0.61	0.05	-0.92	-0.91777778	0.00444444	0.00458333	2.29166667
566	-10.91	-6.94	2.29	13.13	0	11.9	1.9	168.1	1.9	5.66	-0.61	0.06	-0.91	-0.90888889	0.00444444	0.00458333	2.29166667
567	-10.9	-6.95	2.3	13.13	0	11.9	1.9	167.7	1.9	5.67	-0.6	0.05	-0.9	-0.9	0.00444444	0.00465278	2.32638889
568	-10.9	-6.94	2.31	13.13	0	11.9	1.9	167.7	2	5.68	-0.6	0.06	-0.89	-0.89111111	0.005	0.00465278	2.32638889
569	-10.9	-6.95	2.32	13.13	0.01	11.9	1.9	167.8	1.9	5.69	-0.6	0.05	-0.88	-0.88111111	0.005	0.00465278	2.32638889
570	-10.89	-6.95	2.33	13.13	-0.01	11.9	1.8	168.1	1.9	5.7	-0.59	0.05	-0.87	-0.87111111	0.005	0.00458333	2.29166667
571	-10.89	-6.96	2.33	13.13	0.01	11.9	1.8	168	1.9	5.71	-0.59	0.04	-0.87	-0.86111111	0.00444444	0.00451389	2.25694444
572	-10.88	-6.96	2.35	13.13	0	11.9	1.8	168.3	1.9	5.72	-0.58	0.04	-0.85	-0.85222222	0.00444444	0.00458333	2.29166667
573	-10.86	-6.96	2.36	13.11	-0.01	11.9	1.8	168.6	1.9	5.73	-0.56	0.04	-0.84	-0.84333333	0.00388889	0.00451389	2.25694444
574	-10.86	-6.95	2.37	13.11	0	11.9	1.8	168.4	1.9	5.74	-0.56	0.05	-0.83	-0.83555556	0.00388889	0.004375	2.1875
575	-10.85	-6.95	2.38	13.1	-0.01	11.9	1.8	169.1	1.9	5.75	-0.55	0.05	-0.82	-0.82777778	0.005	0.00423611	2.11805556
576	-10.84	-6.96	2.38	13.1	0	11.9	1.8	169	1.9	5.76	-0.54	0.04	-0.82	-0.81777778	0.00444444	0.00409722	2.04861111
577	-10.83	-6.96	2.39	13.09	-0.01	11.9	1.8	168.4	2	5.77	-0.53	0.04	-0.81	-0.80888889	0.00388889	0.00402778	2.01388889
578	-10.82	-6.95	2.39	13.08	-0.01	11.9	1.8	169.4	1.9	5.78	-0.52	0.05	-0.81	-0.80111111	0.00388889	0.00402778	2.01388889
579	-10.81	-6.96	2.4	13.08	0	11.9	1.9	168.7	1.9	5.79	-0.51	0.04	-0.8	-0.79333333	0.00333333	0.00402778	2.01388889
580	-10.8	-6.96	2.42	13.07	0	11.9	1.9	168.7	1.9	5.8	-0.5	0.04	-0.78	-0.78666667	0.00388889	0.00395833	1.97916667
581	-10.79	-6.96	2.43	13.07	-0.01	11.9	1.9	169	1.9	5.81	-0.49	0.04	-0.77	-0.77888889	0.00388889	0.00381944	1.90972222
582	-10.79	-6.96	2.43	13.07	0	11.9	1.8	169.1	1.9	5.82	-0.49	0.04	-0.77	-0.77111111	0.00388889	0.00375	1.875
583	-10.77	-6.96	2.44	13.05	-0.01	11.9	1.9	168.7	1.9	5.83	-0.47	0.04	-0.76	-0.76333333	0.00444444	0.00368056	1.84027778
584	-10.77	-6.96	2.44	13.05	0	11.9	1.9	168.6	1.9	5.84	-0.47	0.04	-0.76	-0.75444444	0.00333333	0.00368056	1.84027778
585	-10.76	-6.96	2.45	13.05	-0.01	11.9	1.9	168.8	1.9	5.85	-0.46	0.04	-0.75	-0.74777778	0.00333333	0.00368056	1.84027778
586	-10.75	-6.96	2.46	13.04	-0.01	11.9	1.9	168.9	2	5.86	-0.45	0.04	-0.74	-0.74111111	0.00333333	0.00375	1.875
587	-10.75	-6.96	2.46	13.04	0	11.9	1.9	168.7	1.9	5.87	-0.45	0.04	-0.74	-0.73444444	0.00333333	0.00375	1.875
588	-10.74	-6.96	2.48	13.04	0	11.9	1.9	168.9	2	5.88	-0.44	0.04	-0.72	-0.72777778	0.00388889	0.00375	1.875
589	-10.73	-6.97	2.48	13.03	0	11.9	1.9	169	2	5.89	-0.43	0.03	-0.72	-0.72	0.00444444	0.00388889	1.94444444
590	-10.73	-6.98	2.49	13.04	0.01	11.9	1.9	169.1	1.9	5.9	-0.43	0.02	-0.71	-0.71111111	0.00388889	0.00409722	2.04861111
591	-10.72	-6.98	2.49	13.03	-0.01	12	1.9	169.3	1.9	5.91	-0.42	0.02	-0.71	-0.70333333	0.00444444	0.00423611	2.11805556
592	-10.71	-6.98	2.5	13.03	-0.01	12	1.9	169.5	1.9	5.92	-0.41	0.02	-0.7	-0.69444444	0.00444444	0.004375	2.1875
593	-10.7	-6.98	2.51	13.02	-0.01	12	1.9	169.4	1.9	5.93	-0.4	0.02	-0.69	-0.68555556	0.005	0.00472222	2.36111111
594	-10.7	-6.98	2.53	13.02	0	12	1.9	169.3	1.9	5.94	-0.4	0.02	-0.67	-0.67555556	0.00444444	0.00506944	2.53472222
595	-10.7	-6.98	2.53	13.02	0	12	1.9	169.4	1.9	5.95	-0.4	0.02	-0.67	-0.66666667	0.00444444	0.00541667	2.70833333
596	-10.7	-6.98	2.54	13.03	0	12	1.9	169.4	1.9	5.96	-0.4	0.02	-0.66	-0.65777778	0.00666667	0.00576389	2.88194444
597	-10.69	-6.99	2.56	13.03	0	12	1.9	169.8	2	5.97	-0.39	0.01	-0.64	-0.64444444	0.00722222	0.00611111	3.05555556
598	-10.69	-7	2.57	13.03	0.01	12	1.9	170	2.2	5.98	-0.39	0	-0.63	-0.63	0.00666667	0.00625	3.125
599	-10.69	-7	2.57	13.03	0.01	12	1.9	170	2.2	5.99	-0.39	0	-0.63	-0.61666667	0.00722222	0.00652778	3.26388889
600	-10.69	-7	2.57	13.03	0.01	12	1.9	170	2.2	6	-0.39	0	-0.63	-0.60222222	0.00722222	0.00680556	3.40277778
601	-10.66	-7.05	2.62	13.05	0.01	12.2	1.8	170.4	2	6.01	-0.36	-0.05	-0.58	-0.58777778	0.00611111	0.006875	3.4375
602	-10.66	-7.05	2.64	13.05	0	12.2	1.8	170.5	2	6.02	-0.36	-0.05	-0.56	-0.57555556	0.00666667	0.00659722	3.29861111
603	-10.66	-7.05	2.65	13.05	0	12.2	1.8	170.8	2	6.03	-0.36	-0.05	-0.55	-0.56222222	0.00666667	0.00631944	3.15972222
604	-10.67	-7.05	2.66	13.06	0.01	12.2	1.8	170.7	2	6.04	-0.37	-0.05	-0.54	-0.54888889	0.00722222	0.00597222	2.98611111
605	-10.67	-7.05	2.67	13.06	0	12.2	1.8	170.1	2	6.05	-0.37	-0.05	-0.53	-0.53444444	0.005	0.00548611	2.74305556
606	-10.67	-7.04	2.67	13.06	-0.01	12.2	1.8	169.9	2	6.06	-0.37	-0.04	-0.53	-0.52444444	0.00444444	0.00513889	2.56944444
607	-10.66	-7.03	2.69	13.05	-0.01	12.2	1.8	169.7	1.9	6.07	-0.36	-0.03	-0.51	-0.51555556	0.00444444	0.00472222	2.36111111
608	-10.65	-7.03	2.69	13.04	-0.01	12.2	1.8	169.7	2	6.08	-0.35	-0.03	-0.51	-0.50666667	0.00333333	0.00423611	2.11805556
609	-10.65	-7.04	2.7	13.05	0.01	12.2	1.8	170.3	1.9	6.09	-0.35	-0.04	-0.5	-0.5	0.00333333	0.00368056	1.84027778
610	-10.66	-7.05	2.71	13.06	0.02	12.2	1.8	170.2	2	6.1	-0.36	-0.05	-0.49	-0.49333333	0.00333333	0.00340278	1.70138889
611	-10.66	-7.07	2.72	13.08	0.01	12.2	1.8	171.2	2	6.11	-0.36	-0.07	-0.48	-0.48666667	0.00277778	0.003125	1.5625
612	-10.66	-7.07	2.73	13.08	0	12.2	1.8	171.5	2	6.12	-0.36	-0.07	-0.47	-0.48111111	0.00277778	0.00284722	1.42361111
613	-10.63	-7.08	2.72	13.06	-0.02	12.2	1.8	171.8	2	6.13	-0.33	-0.08	-0.48	-0.47555556	0.00277778	0.00263889	1.31944444
614	-10.62	-7.07	2.73	13.05	-0.01	12.2	1.8	171.4	1.9	6.14	-0.32	-0.07	-0.47	-0.47	0.00222222	0.00256944	1.28472222
615	-10.61	-7.07	2.73	13.04	-0.01	12.2	1.8	171.2	2								

MAGNETOMETER READINGS

Corrections	Peak Dz Depth (m)																
100	-10.3	-7	3.2	3.38													
Depth	X raw	Y raw	Z raw	TOT	GRAD	Temp	Tilt	HoleD	Speed	Depth (m)	X (uT)	Y (uT)	Z (uT)	Z_Ave (uT)	Dz	Dz_Ave	Dz big
661	-10.49	-7.14	3.05	13.05	-0.01	12.3	1.7	174.2	1.9	6.61	-0.19	-0.14	-0.15	-0.16555556	0.00222222	0.00263889	1.31944444
662	-10.49	-7.13	3.05	13.05	-0.01	12.3	1.7	174	1.9	6.62	-0.19	-0.13	-0.15	-0.16111111	0.00166667	0.00208333	1.04166667
663	-10.48	-7.12	3.05	13.03	-0.01	12.3	1.7	173.7	1.9	6.63	-0.18	-0.12	-0.15	-0.15777778	0.00111111	0.00159722	0.79861111
664	-10.45	-7.1	3.04	12.99	-0.04	12.3	1.7	173.4	1.9	6.64	-0.15	-0.1	-0.16	-0.15555556	0.00055556	0.00111111	0.55555556
665	-10.43	-7.09	3.04	12.97	-0.02	12.3	1.7	173	1.9	6.65	-0.13	-0.09	-0.16	-0.15444444	0.00055556	0.00076389	0.38194444
666	-10.42	-7.07	3.04	12.95	-0.02	12.3	1.7	172	1.9	6.66	-0.12	-0.07	-0.16	-0.15333333	0.00055556	0.00048611	0.24305556
667	-10.41	-7.07	3.04	12.95	-0.01	12.3	1.7	171.4	1.9	6.67	-0.11	-0.07	-0.16	-0.15222222	0.00055556	0.00034722	0.17361111
668	-10.4	-7.08	3.05	12.95	0	12.3	1.8	171.8	2	6.68	-0.1	-0.08	-0.15	-0.15333333	0	0.00034722	0.17361111
669	-10.4	-7.08	3.05	12.95	0	12.3	1.8	171.4	1.9	6.69	-0.1	-0.08	-0.15	-0.15333333	0	0.00041667	0.20833333
670	-10.38	-7.05	3.06	12.92	-0.03	12.3	1.8	170.8	1.9	6.7	-0.08	-0.05	-0.14	-0.15333333	0.00055556	0.00055556	0.27777778
671	-10.37	-7.04	3.06	12.9	-0.01	12.3	1.8	170	1.9	6.71	-0.07	-0.04	-0.14	-0.15222222	0.00111111	0.000625	0.3125
672	-10.33	-7.01	3.04	12.85	-0.05	12.3	1.8	170	1.9	6.72	-0.03	-0.01	-0.16	-0.15	0.00111111	0.00083333	0.41666667
673	-10.31	-6.98	3.04	12.82	-0.03	12.3	1.8	168.8	1.9	6.73	-0.01	0.02	-0.16	-0.14777778	0.00166667	0.00111111	0.55555556
674	-10.29	-6.97	3.04	12.79	-0.02	12.3	1.8	168.8	1.9	6.74	0.01	0.03	-0.16	-0.14444444	0.00111111	0.00145833	0.72916667
675	-10.29	-6.97	3.05	12.8	0	12.3	1.8	168.8	2	6.75	0.01	0.03	-0.15	-0.14222222	0.00111111	0.00173611	0.86805556
676	-10.32	-6.99	3.06	12.83	0.04	12.3	1.8	169.3	1.9	6.76	-0.02	0.01	-0.14	-0.14	0.00222222	0.00194444	0.97222222
677	-10.33	-6.99	3.07	12.84	0.01	12.3	1.8	169.4	1.9	6.77	-0.03	0.01	-0.13	-0.13555556	0.00277778	0.00215278	1.07638889
678	-10.32	-6.99	3.08	12.84	-0.01	12.3	1.8	169.2	1.9	6.78	-0.02	0.01	-0.12	-0.13	0.00277778	0.00222222	1.11111111
679	-10.31	-6.98	3.08	12.83	-0.01	12.3	1.8	169.4	1.9	6.79	-0.01	0.02	-0.12	-0.12444444	0.00277778	0.00229167	1.14583333
680	-10.29	-6.99	3.08	12.82	-0.01	12.3	1.8	169.3	1.9	6.8	0.01	0.01	-0.12	-0.11888889	0.00277778	0.0025	1.25
681	-10.29	-6.98	3.08	12.81	-0.01	12.3	1.8	169.2	2	6.81	0.01	0.02	-0.12	-0.11333333	0.00222222	0.00263889	1.31944444
682	-10.28	-6.97	3.09	12.8	-0.01	12.3	1.8	168.8	1.9	6.82	0.02	0.03	-0.11	-0.10888889	0.00166667	0.00277778	1.38888889
683	-10.28	-6.97	3.09	12.8	0	12.3	1.8	168.6	1.9	6.83	0.02	0.03	-0.11	-0.10555556	0.00277778	0.00284722	1.42361111
684	-10.29	-6.98	3.1	12.81	0.02	12.3	1.8	169.3	1.9	6.84	0.01	0.02	-0.1	-0.1	0.00333333	0.00298611	1.49305556
685	-10.29	-6.98	3.11	12.82	0	12.4	1.8	169.4	1.9	6.85	0.01	0.02	-0.09	-0.09333333	0.00388889	0.003125	1.5625
686	-10.29	-6.99	3.11	12.82	0.01	12.4	1.8	168.5	1.9	6.86	0.01	0.01	-0.09	-0.08555556	0.00333333	0.00326389	1.63194444
687	-10.29	-6.99	3.11	12.82	0	12.4	1.8	169.3	1.9	6.87	0.01	0.01	-0.09	-0.07888889	0.00388889	0.00354167	1.77083333
688	-10.3	-7.01	3.13	12.85	0.02	12.4	1.8	169.8	1.9	6.88	0	-0.01	-0.07	-0.07111111	0.00388889	0.00375	1.875
689	-10.31	-7.03	3.14	12.87	0.02	12.4	1.8	170.4	1.9	6.89	-0.01	-0.03	-0.06	-0.06333333	0.00333333	0.00381944	1.90972222
690	-10.31	-7.03	3.15	12.87	0	12.4	1.8	171.1	1.9	6.9	-0.01	-0.03	-0.05	-0.05666667	0.00388889	0.00375	1.875
691	-10.31	-7.04	3.15	12.88	0.01	12.4	1.8	170.7	1.9	6.91	-0.01	-0.04	-0.05	-0.04888889	0.00444444	0.00368056	1.84027778
692	-10.32	-7.04	3.16	12.89	0.01	12.4	1.7	171.3	1.9	6.92	-0.02	-0.04	-0.04	-0.04	0.00388889	0.00354167	1.77083333
693	-10.32	-7.05	3.17	12.89	0.01	12.4	1.7	171.9	1.9	6.93	-0.02	-0.05	-0.03	-0.03222222	0.00333333	0.00375	1.875
694	-10.32	-7.05	3.17	12.89	0	12.4	1.7	171.8	2	6.94	-0.02	-0.05	-0.03	-0.02555556	0.00277778	0.00395833	1.97916667
695	-10.32	-7.05	3.18	12.9	0	12.4	1.7	171.8	1.9	6.95	-0.02	-0.05	-0.02	-0.02	0.00277778	0.00416667	2.08333333
696	-10.32	-7.04	3.19	12.89	0	12.4	1.7	171	1.9	6.96	-0.02	-0.04	-0.01	-0.01444444	0.00555556	0.00430556	2.15277778
697	-10.32	-7.04	3.2	12.9	0	12.4	1.7	171.3	1.9	6.97	-0.02	-0.04	0	-0.00333333	0.005	0.00444444	2.22222222
698	-10.32	-7.05	3.2	12.9	0.01	12.4	1.7	171.7	2.2	6.98	-0.02	-0.05	0	0.00666667	0.00555556	0.00465278	2.32638889
699	-10.32	-7.05	3.2	12.9	0.01	12.4	1.7	171.7	2.2	6.99	-0.02	-0.05	0	0.01777778	0.00555556	0.00486111	2.43055556
700	-10.32	-7.05	3.2	12.9	0.01	12.4	1.7	171.7	2.2	7	-0.02	-0.05	0	0.02888889	0.005	0.00506944	2.53472222
701	-10.34	-7.14	3.26	12.98	0.08	12.5	1.7	173	1.9	7.01	-0.04	-0.14	0.06	0.03888889	0.005	0.00493056	2.46527778
702	-10.34	-7.15	3.26	12.99	0.01	12.6	1.7	173.5	2	7.02	-0.04	-0.15	0.06	0.04888889	0.00444444	0.00444444	2.72222222
703	-10.35	-7.15	3.27	13	0.01	12.6	1.6	174.4	2	7.03	-0.05	-0.15	0.07	0.05777778	0.00444444	0.00381944	1.90972222
704	-10.35	-7.16	3.28	13.01	0.01	12.6	1.6	175.1	1.9	7.04	-0.05	-0.16	0.08	0.06666667	0.00444444	0.003125	1.5625
705	-10.36	-7.16	3.28	13.01	0.01	12.6	1.6	175.2	1.9	7.05	-0.06	-0.16	0.08	0.07555556	0.00111111	0.00243056	1.21527778
706	-10.36	-7.17	3.29	13.02	0.01	12.6	1.6	175.8	2	7.06	-0.06	-0.17	0.09	0.07777778	0.00055556	0.00173611	0.86805556
707	-10.35	-7.16	3.28	13.01	-0.02	12.6	1.6	174.7	1.9	7.07	-0.05	-0.16	0.08	0.07888889	0	0.00111111	0.55555556
708	-10.33	-7.14	3.28	12.98	-0.03	12.6	1.6	174.4	2	7.08	-0.03	-0.14	0.08	0.07888889	-0.00055556	0.00055556	0.27777778
709	-10.32	-7.12	3.28	12.96	-0.02	12.6	1.7	173.6	2	7.09	-0.02	-0.12	0.08	0.07777778	-0.00055556	3.4694E-18	1.7347E-15
710	-10.3	-7.09	3.28	12.93	-0.03	12.6	1.7	172.7	2	7.1	0	-0.09	0.08	0.07666667	-0.00055556	-0.00013889	-0.06944444
711	-10.28	-7.06	3.27	12.89	-0.03	12.6	1.7	171.9	2	7.11	0.	-0.06	0.07	0.07555556	0	-0.00020833	-0.10416667
712	-10.26	-7.04	3.27	12.87	-0.03	12.6	1.7	171.3	1.9	7.12	0.04	-0.04	0.07	0.07555556	0	-6.444E-05	-0.03472222
713	-10.25	-7.03	3.27	12.85	-0.01	12.6	1.7	170.5	2	7.13	0.05	-0.03	0.07	0.07555556	0	0.00013889	0.06944444
714	-10.23	-7.02	3.27	12.83	-0.02	12.6	1.7	170.3	1.9	7.14	0.07	-0.02	0.07	0.07555556	0	0.00034722	0.17361111
715	-10.23	-7.03	3.28	12.84	-0.01	12.6	1.7	171.5	1.9	7.15	0.07	-0.03	0.08	0.07555556	0.00111111	0.00055556	0.27777778
716	-10.22	-7.04	3.28	12.84	0	12.6	1.7	171	1.9	7.16	0.08	-0.04	0.08	0.07777778	0.00111111	0.00069444	0.34722222
717	-10.22	-7.05	3.28	12.84	0.01	12.6	1.7	171.5	2	7.17	0.08	-0.05	0.08	0.08	0.00111111	0.00083333	0.41666667
718	-10.22	-7.04	3.28	12.84	-0.01	12.6	1.7	171.4	1.9	7.18	0.08	-0.04	0.08	0.08222222	0.00111111	0.01041667	0.52083333
719	-10.21	-7.05	3.28	12.83	0	12.6	1.7	171.1	1.9	7.19	0.09	-0.05	0.08	0.08444444	0.00111111	0.0131944	0.65972222
720	-10.21	-7.04	3.29	12.83	0	12.6	1.7	170.4	2	7.2	0.09	-0.04	0.09	0.08666667	0.00111111	0.0145833	0.72916667
721	-10.2	-7.04	3.29	12.82	-0.01	12.6	1.7	172	1.9	7.21	0.1	-0.04	0.09	0.08888889	0.00166667	0.0159722	0.79861111
722	-10.19	-7.05	3.29	12.82	0	12.6	1.7	171.6	1.9	7.22	0.11	-0.05	0.09	0.09222222	0.00222222	0.00173611	0.86805556
7																	

MAGNETOMETER READINGS

Corrections		Peak Dz Depth (m)																						
100		-10.3	-7	3.2	3.38																			
Depth	X raw	Y raw	Z raw	TOT	GRAD	Temp	Tilt	HoleD	Speed	Depth (m)	X (uT)	Y (uT)	Z (uT)	Z_Ave (uT)	Dz	Dz_Ave	Dz big							
771	-10	-7.07	3.42	12.72	0.01	12.7	1.8	170.8	2	7.71	0.3	-0.07	0.22	0.21666667	0.00277778	0.00291667	1.45833333							
772	-10.02	-7.07	3.43	12.73	0.02	12.7	1.8	171	1.9	7.72	0.28	-0.07	0.23	0.22222222	0.00333333	0.00284722	1.42361111							
773	-10.02	-7.06	3.43	12.73	-0.01	12.7	1.8	171	1.9	7.73	0.28	-0.06	0.23	0.22888889	0.00277778	0.00277778	1.38888889							
774	-10.02	-7.07	3.44	12.74	0.01	12.7	1.8	171.5	1.9	7.74	0.28	-0.07	0.24	0.23444444	0.00277778	0.00277778	1.38888889							
775	-10.02	-7.07	3.44	12.74	0	12.7	1.8	171.6	1.9	7.75	0.28	-0.07	0.24	0.24	0.00222222	0.00263889	1.31944444							
776	-10.02	-7.08	3.44	12.74	0.01	12.7	1.8	171.9	1.9	7.76	0.28	-0.08	0.24	0.24444444	0.00222222	0.00270833	1.35416667							
777	-10.02	-7.08	3.45	12.74	0	12.7	1.8	171.4	1.9	7.77	0.28	-0.08	0.25	0.24888889	0.00277778	0.00270833	1.35416667							
778	-10.03	-7.09	3.45	12.76	0.01	12.7	1.8	172	1.9	7.78	0.27	-0.09	0.25	0.25444444	0.00222222	0.00270833	1.35416667							
779	-10.03	-7.09	3.46	12.76	0	12.7	1.8	172.2	1.9	7.79	0.27	-0.09	0.26	0.25888889	0.00333333	0.00277778	1.38888889							
780	-10.04	-7.09	3.46	12.77	0.01	12.7	1.8	172	1.9	7.8	0.26	-0.09	0.26	0.26555556	0.00333333	0.00284722	1.42361111							
781	-10.04	-7.1	3.47	12.78	0.01	12.7	1.8	172.6	1.9	7.81	0.26	-0.1	0.27	0.27222222	0.00277778	0.00298611	1.49305556							
782	-10.05	-7.11	3.48	12.79	0.02	12.7	1.7	172.7	1.9	7.82	0.25	-0.11	0.28	0.27777778	0.00333333	0.00305556	1.52777778							
783	-10.05	-7.12	3.48	12.8	0.01	12.7	1.7	172.9	1.9	7.83	0.25	-0.12	0.28	0.28444444	0.00277778	0.00319444	1.59722222							
784	-10.06	-7.12	3.5	12.81	0.01	12.7	1.7	173	1.9	7.84	0.24	-0.12	0.3	0.29	0.00333333	0.00319444	1.59722222							
785	-10.06	-7.12	3.5	12.81	0	12.7	1.7	172.5	1.9	7.85	0.24	-0.12	0.3	0.29666667	0.00333333	0.00305556	1.52777778							
786	-10.05	-7.14	3.5	12.82	0	12.7	1.7	173.7	1.9	7.86	0.25	-0.14	0.3	0.30333333	0.00333333	0.00305556	1.52777778							
787	-10.06	-7.15	3.51	12.83	0.02	12.7	1.7	174.2	1.9	7.87	0.24	-0.15	0.31	0.31	0.00333333	0.00298611	1.49305556							
788	-10.06	-7.15	3.51	12.83	0	12.7	1.7	174.1	2	7.88	0.24	-0.15	0.31	0.31666667	0.00222222	0.00298611	1.49305556							
789	-10.06	-7.15	3.52	12.83	0	12.7	1.7	174.4	1.9	7.89	0.24	-0.15	0.32	0.32111111	0.00277778	0.00298611	1.49305556							
790	-10.07	-7.15	3.53	12.84	0.01	12.7	1.7	174.5	1.9	7.9	0.23	-0.15	0.33	0.32666667	0.00277778	0.00291667	1.45833333							
791	-10.08	-7.14	3.54	12.85	0.01	12.7	1.7	175.1	1.9	7.91	0.22	-0.14	0.34	0.33222222	0.00277778	0.00277778	1.38888889							
792	-10.08	-7.14	3.54	12.85	0	12.7	1.7	174.9	1.9	7.92	0.22	-0.14	0.34	0.33777778	0.00333333	0.00256944	1.28472222							
793	-10.08	-7.15	3.54	12.86	0.01	12.7	1.7	175	2	7.93	0.22	-0.15	0.34	0.34444444	0.00277778	0.00256944	1.28472222							
794	-10.09	-7.15	3.55	12.87	0.01	12.7	1.7	174.6	2	7.94	0.21	-0.15	0.35	0.35	0.00222222	0.00263889	1.31944444							
795	-10.09	-7.15	3.55	12.87	0	12.7	1.7	174.7	1.9	7.95	0.21	-0.15	0.35	0.35444444	0.00166667	0.00270833	1.35416667							
796	-10.09	-7.16	3.56	12.87	0.01	12.7	1.7	175.2	1.9	7.96	0.21	-0.16	0.36	0.35777778	0.00222222	0.00277778	1.38888889							
797	-10.11	-7.18	3.57	12.9	0.03	12.7	1.6	176	2	7.97	0.19	-0.18	0.37	0.36222222	0.00333333	0.00277778	1.38888889							
798	-10.1	-7.19	3.57	12.9	0	12.7	1.6	176.2	2.1	7.98	0.2	-0.19	0.37	0.36888889	0.00333333	0.00277778	1.38888889							
799	-10.1	-7.19	3.57	12.9	0	12.7	1.6	176.2	2.1	7.99	0.2	-0.19	0.37	0.37555556	0.00333333	0.00284722	1.42361111							
800	-10.1	-7.19	3.57	12.9	0	12.7	1.6	176.2	2.1	8	0.2	-0.19	0.37	0.38222222	0.00333333	0.00305556	1.52777778							
801	-10.04	-7.19	3.58	12.86	-0.04	12.8	1.7	175.7	2	8.01	0.26	-0.19	0.38	0.38888889	0.00277778	0.003125	1.5625							
802	-10.07	-7.22	3.6	12.9	0.05	12.8	1.6	177	2	8.02	0.23	-0.22	0.4	0.39444444	0.00277778	0.00305556	1.52777778							
803	-10.09	-7.22	3.61	12.92	0.02	12.8	1.6	176.6	1.9	8.03	0.21	-0.22	0.41	0.4	0.00333333	0.00284722	1.42361111							
804	-10.09	-7.22	3.61	12.92	0	12.8	1.6	176.6	1.9	8.04	0.21	-0.22	0.41	0.40666667	0.00277778	0.00256944	1.28472222							
805	-10.09	-7.21	3.62	12.92	0	12.8	1.6	176.5	1.9	8.05	0.21	-0.21	0.42	0.41222222	0.00277778	0.00236111	1.18055556							
806	-10.09	-7.2	3.62	12.91	-0.01	12.8	1.6	176.4	2	8.06	0.21	-0.2	0.42	0.41777778	0.00166667	0.00215278	1.07638889							
807	-10.09	-7.2	3.62	12.91	0	12.8	1.6	176.2	2	8.07	0.21	-0.2	0.42	0.42111111	0.00111111	0.00194444	0.97222222							
808	-10.08	-7.2	3.63	12.91	-0.01	12.8	1.6	176.2	2	8.08	0.22	-0.2	0.43	0.42333333	0.00166667	0.00166667	0.83333333							
809	-10.07	-7.21	3.62	12.9	-0.01	12.8	1.6	176.1	1.9	8.09	0.23	-0.21	0.42	0.42666667	0.00111111	0.00152778	0.76388889							
810	-10.06	-7.21	3.63	12.9	0	12.8	1.6	177.4	1.9	8.1	0.24	-0.21	0.43	0.42888889	0.00111111	0.00152778	0.76388889							
811	-10.07	-7.22	3.63	12.91	0.01	12.8	1.6	176.9	2	8.11	0.23	-0.22	0.43	0.43111111	0.00111111	0.00166667	0.83333333							
812	-10.07	-7.22	3.63	12.91	0	12.8	1.6	177.2	1.9	8.12	0.23	-0.22	0.43	0.43333333	0.00166667	0.001875	0.9375							
813	-10.07	-7.23	3.64	12.92	0.01	12.8	1.6	177.4	1.9	8.13	0.23	-0.23	0.44	0.43666667	0.00277778	0.00201389	1.00694444							
814	-10.07	-7.22	3.64	12.91	-0.01	12.8	1.6	177.1	1.9	8.14	0.23	-0.22	0.44	0.44222222	0.00277778	0.00215278	1.07638889							
815	-10.06	-7.21	3.64	12.9	-0.01	12.8	1.6	177.4	1.9	8.15	0.24	-0.21	0.44	0.44777778	0.00277778	0.00229167	1.14583333							
816	-10.07	-7.23	3.64	12.92	0.02	12.9	1.6	177.7	1.9	8.16	0.23	-0.23	0.44	0.45333333	0.00277778	0.00243056	1.21527778							
817	-10.08	-7.24	3.66	12.94	0.02	12.8	1.6	178.3	1.9	8.17	0.22	-0.24	0.46	0.45888889	0.00222222	0.0025	1.25							
818	-10.1	-7.24	3.67	12.96	0.02	12.9	1.6	178.5	1.9	8.18	0.2	-0.24	0.47	0.46333333	0.00222222	0.00229167	1.14583333							
819	-10.11	-7.24	3.68	12.97	0.01	12.9	1.6	178.9	1.9	8.19	0.19	-0.24	0.48	0.46777778	0.00222222	0.00201389	1.00694444							
820	-10.11	-7.24	3.68	12.97	0	12.9	1.6	178	1.9	8.2	0.19	-0.24	0.48	0.47222222	0.00222222	0.00166667	0.83333333							
821	-10.11	-7.22	3.68	12.96	-0.01	12.9	1.6	178.2	1.9	8.21	0.19	-0.22	0.48	0.47666667	0.00111111	0.00138889	0.69444444							
822	-10.11	-7.22	3.68	12.96	0	12.9	1.6	178.2	1.9	8.22	0.19	-0.22	0.48	0.47888889	0.00055556	0.0018056	0.59027778							
823	-10.1	-7.22	3.68	12.95	-0.01	12.9	1.5	178	1.9	8.23	0.2	-0.22	0.48	0.48	0	0.00097222	0.48611111							
824	-10.1	-7.21	3.68	12.94	-0.01	12.9	1.6	177.2	1.9	8.24	0.2	-0.21	0.48	0.48	0.00055556	0.00083333	0.41666667							
825	-10.08	-7.22	3.68	12.93	-0.01	12.9	1.6	178	1.9	8.25	0.22	-0.22	0.48	0.48111111	0.00055556	0.00069444	0.34722222							
826	-10.07	-7.22	3.68	12.93	-0.01	12.9	1.6	177.5	1.9	8.26	0.23	-0.22	0.48	0.48222222	0.00055556	0.00076389	0.38194444							
827	-10.07	-7.22	3.68	12.93	0	12.9	1.6	177.6	1.9	8.27	0.23	-0.22	0.48	0.48333333	0.00111111	0.00083333	0.41666667							
828	-10.07	-7.22	3.68	12.93	0	12.9	1.6	177.6	1.9	8.28	0.23	-0.22	0.48	0.48555556	0.00111111	0.00104167	0.52083333							
829	-10.07	-7.21	3.69	12.92	0	12.9	1.6	177.4	2	8.29	0.23	-0.21	0.49	0.48777778	0.00166667	0.00111111	0.55555556							
830	-10.08	-7.22	3.69	12.94	0.01	12.9	1.6	177.8	1.9	8.3	0.22	-0.23	0.49	0.49111111	0.00111111	0.0018056	0.59027778							
831	-10.08	-7.23	3.69	12.94	0.01	12.9	1.6	178	1.9	8.31	0.22	-0.23	0.49	0.49333333	0.00166667	0.0018056	0.59027778							
832	-10.07	-7.23	3.7	12.94	0	12.9	1.6	178																

MAGNETOMETER READINGS

Corrections		Peak Dz Depth (m)																	
100	-10.3	-7	3.2	3.38															
Depth	X raw	Y raw	Z raw	TOT	GRAD	Temp	Tilt	HoleD	Speed	Depth (m)	X (uT)	Y (uT)	Z (uT)	Z_Ave (uT)	Dz	Dz_Ave	Dz big		
881	-9.92	-7.2	3.77	12.82	0	12.9	1.7	176.5	1.9	8.81	0.38	-0.2	0.57	0.5688889	0.00166667	0.0013889	0.6944444		
882	-9.92	-7.2	3.77	12.82	0	12.9	1.7	176.6	1.9	8.82	0.38	-0.2	0.57	0.5722222	0.00166667	0.00145833	0.72916667		
883	-9.92	-7.2	3.78	12.83	0	12.9	1.7	176.9	1.9	8.83	0.38	-0.2	0.58	0.5755556	0.00166667	0.00152778	0.7638889		
884	-9.92	-7.21	3.78	12.83	0.01	12.9	1.7	177.2	1.9	8.84	0.38	-0.21	0.58	0.5788889	0.00166667	0.00159722	0.79861111		
885	-9.93	-7.21	3.78	12.84	0.01	12.9	1.7	177.4	1.9	8.85	0.37	-0.21	0.58	0.5822222	0.00166667	0.00159722	0.79861111		
886	-9.93	-7.2	3.79	12.84	0	12.9	1.7	177.5	1.9	8.86	0.37	-0.2	0.59	0.5855556	0.00166667	0.00152778	0.7638889		
887	-9.93	-7.21	3.79	12.84	0.01	12.9	1.7	176.7	1.9	8.87	0.37	-0.21	0.59	0.5888889	0.00166667	0.00145833	0.72916667		
888	-9.93	-7.21	3.79	12.84	0	12.9	1.6	176.9	1.9	8.88	0.37	-0.21	0.59	0.5922222	0.00111111	0.0013889	0.6944444		
889	-9.93	-7.21	3.79	12.84	0	13	1.6	177.2	1.9	8.89	0.37	-0.21	0.59	0.5944444	0.00111111	0.00131944	0.65972222		
890	-9.92	-7.21	3.8	12.84	0	13	1.6	177.1	1.9	8.9	0.38	-0.21	0.6	0.5966667	0.00111111	0.00125	0.625		
891	-9.93	-7.21	3.8	12.85	0.01	13	1.6	177.7	1.9	8.91	0.37	-0.21	0.6	0.5988889	0.00111111	0.00111111	0.5555556		
892	-9.93	-7.21	3.81	12.85	0	13	1.6	177.3	1.9	8.92	0.37	-0.21	0.61	0.6011111	0.00111111	0.00097222	0.48611111		
893	-9.92	-7.2	3.8	12.83	-0.02	13	1.6	177.1	1.9	8.93	0.38	-0.2	0.6	0.6033333	0.00111111	0.00083333	0.41666667		
894	-9.92	-7.2	3.8	12.83	0	13	1.6	177.2	1.9	8.94	0.38	-0.2	0.6	0.6055556	0.00055556	0.00097222	0.48611111		
895	-9.92	-7.21	3.81	12.84	0.01	13	1.6	177.1	1.9	8.95	0.38	-0.21	0.61	0.6066667	0.00055556	0.00111111	0.5555556		
896	-9.92	-7.21	3.81	12.84	0	13	1.6	176.7	1.9	8.96	0.38	-0.21	0.61	0.6077778	0	0.0018056	0.59027778		
897	-9.92	-7.21	3.81	12.84	0	13	1.6	177.2	1.9	8.97	0.38	-0.21	0.61	0.6077778	0.00222222	0.00125	0.625		
898	-9.92	-7.21	3.81	12.84	0	13	1.6	176.9	2.1	8.98	0.38	-0.21	0.61	0.6122222	0.00222222	0.0013889	0.6944444		
899	-9.92	-7.21	3.81	12.84	0	13	1.6	176.9	2.1	8.99	0.38	-0.21	0.61	0.6166667	0.00166667	0.00152778	0.7638889		
900	-9.92	-7.21	3.81	12.84	0	13	1.6	176.9	2.1	9	0.38	-0.21	0.61	0.62	0.00166667	0.00166667	0.83333333		
901	-9.88	-7.22	3.81	12.82	-0.03	13	1.6	176.8	1.9	9.01	0.42	-0.22	0.61	0.6233333	0.00222222	0.001875	0.9375		
902	-9.92	-7.22	3.84	12.86	0.04	13	1.6	178.7	2	9.02	0.38	-0.22	0.64	0.6277778	0.00166667	0.00180556	0.90277778		
903	-9.92	-7.22	3.84	12.86	0	13	1.6	178.7	2	9.03	0.38	-0.22	0.64	0.6311111	0.00166667	0.00159722	0.79861111		
904	-9.9	-7.23	3.84	12.85	-0.01	13	1.6	178.1	0	9.04	0.4	-0.23	0.64	0.6344444	0.00166667	0.00145833	0.72916667		
905	-9.9	-7.23	3.84	12.85	0	13	1.6	178.1	1.9	9.05	0.4	-0.23	0.64	0.6377778	0.00166667	0.00125	0.625		
906	-9.9	-7.23	3.85	12.85	0	13	1.6	177.5	1.9	9.06	0.4	-0.23	0.65	0.6411111	0.00055556	0.00097222	0.48611111		
907	-9.9	-7.22	3.84	12.84	-0.01	13	1.6	177.6	1.9	9.07	0.4	-0.22	0.64	0.6422222	0.00055556	0.00069444	0.34722222		
908	-9.89	-7.21	3.84	12.83	-0.01	13	1.6	178.2	1.9	9.08	0.41	-0.21	0.64	0.6433333	-5.5511E-17	0.00055556	0.27777778		
909	-9.89	-7.21	3.84	12.83	0	13	1.6	178.2	1.9	9.09	0.41	-0.21	0.64	0.6433333	0	0.00041667	0.20833333		
910	-9.88	-7.2	3.84	12.81	-0.01	13	1.6	178.3	1.9	9.1	0.42	-0.2	0.64	0.6433333	-0.00055556	0.00027778	0.1388889		
911	-9.87	-7.2	3.85	12.81	0	13	1.6	178	1.9	9.11	0.43	-0.2	0.65	0.6422222	0.00055556	0.00027778	0.1388889		
912	-9.87	-7.2	3.85	12.81	0	13	1.6	177.9	1.9	9.12	0.43	-0.2	0.65	0.6433333	0.00055556	0.00027778	0.1388889		
913	-9.87	-7.2	3.84	12.81	0	13	1.6	177.6	1.9	9.13	0.43	-0.2	0.64	0.6444444	0.00055556	0.00041667	0.20833333		
914	-9.87	-7.2	3.84	12.81	0	13	1.7	177.7	1.9	9.14	0.43	-0.2	0.64	0.6455556	0.00055556	0.00069444	0.34722222		
915	-9.87	-7.2	3.84	12.81	0	13	1.6	177.4	1.9	9.15	0.43	-0.2	0.64	0.6466667	0.00055556	0.00104167	0.52083333		
916	-9.87	-7.2	3.85	12.81	0	13	1.7	177.7	1.9	9.16	0.43	-0.2	0.65	0.6477778	0.00111111	0.00125	0.625		
917	-9.86	-7.2	3.85	12.8	-0.01	13	1.6	177.5	1.9	9.17	0.44	-0.2	0.65	0.65	0.00222222	0.0013889	0.6944444		
918	-9.86	-7.2	3.85	12.8	0	13	1.7	177.5	1.9	9.18	0.44	-0.2	0.65	0.6544444	0.00222222	0.00152778	0.7638889		
919	-9.86	-7.2	3.85	12.8	0	13.1	1.6	177.4	2	9.19	0.44	-0.2	0.65	0.6588889	0.00222222	0.00173611	0.86085556		
920	-9.87	-7.19	3.86	12.81	0.01	13.1	1.6	177.6	1.9	9.2	0.43	-0.19	0.66	0.6633333	0.00166667	0.001875	0.9375		
921	-9.87	-7.2	3.87	12.82	0.01	13	1.6	177.7	1.9	9.21	0.43	-0.2	0.67	0.6666667	0.00166667	0.00194444	0.97222222		
922	-9.89	-7.2	3.88	12.83	0.02	13.1	1.6	177.7	1.9	9.22	0.41	-0.2	0.68	0.67	0.00222222	0.00180556	0.90277778		
923	-9.88	-7.19	3.88	12.82	-0.01	13.1	1.6	177.8	2	9.23	0.42	-0.19	0.68	0.6744444	0.00166667	0.00166667	0.83333333		
924	-9.89	-7.19	3.88	12.83	0.01	13.1	1.6	177.5	1.9	9.24	0.41	-0.19	0.68	0.6777778	0.00166667	0.00152778	0.7638889		
925	-9.89	-7.2	3.88	12.83	0.01	13.1	1.6	177.5	2	9.25	0.41	-0.2	0.68	0.6811111	0.00111111	0.00152778	0.7638889		
926	-9.9	-7.2	3.88	12.84	0.01	13.1	1.6	177.9	1.9	9.26	0.4	-0.2	0.68	0.6833333	0.00111111	0.00145833	0.72916667		
927	-9.9	-7.21	3.89	12.85	0.01	13.1	1.6	178.1	1.9	9.27	0.4	-0.21	0.69	0.6855556	0.00111111	0.00131944	0.65972222		
928	-9.89	-7.21	3.88	12.84	-0.01	13.1	1.6	178.1	1.9	9.28	0.41	-0.21	0.68	0.6877778	0.00166667	0.0018056	0.59027778		
929	-9.89	-7.21	3.89	12.84	0	13.1	1.6	178.1	2	9.29	0.41	-0.21	0.69	0.6911111	0.00111111	0.00111111	0.5555556		
930	-9.89	-7.2	3.89	12.84	-0.01	13.1	1.6	177.8	1.9	9.3	0.41	-0.2	0.69	0.6933333	0.00111111	0.00104167	0.52083333		
931	-9.9	-7.2	3.9	12.85	0.01	13.1	1.6	177.7	2	9.31	0.4	-0.2	0.7	0.6955556	0.00055556	0.00097222	0.48611111		
932	-9.9	-7.18	3.9	12.84	-0.01	13.1	1.6	177.4	1.9	9.32	0.4	-0.18	0.7	0.6966667	0.001				

MAGNETOMETER READINGS

Corrections	Peak Dz Depth (m)																
100	-10.3	-7	3.2	3.38													
Depth	X raw	Y raw	Z raw	TOT	GRAD	Temp	Tilt	HoleD	Speed	Depth (m)	X (uT)	Y (uT)	Z (uT)	Z_Ave (uT)	Dz	Dz_Ave	Dz big
991	-9.8	-7.22	3.97	12.8	-0.01	13.1	1.6	176.9	1.9	9.91	0.5	-0.22	0.77	0.78555556	0.00222222	0.00180556	0.90277778
992	-9.81	-7.22	3.98	12.81	0.01	13.1	1.6	176.9	1.9	9.92	0.49	-0.22	0.78	0.79	0.00333333	0.00236111	1.18055556
993	-9.81	-7.22	3.99	12.82	0	13.1	1.6	176.9	1.9	9.93	0.49	-0.22	0.79	0.79666667	0.00388889	0.00284722	1.42361111
994	-9.82	-7.24	4.01	12.84	0.03	13.1	1.6	177.1	1.9	9.94	0.48	-0.24	0.81	0.80444444	0.00333333	0.00319444	1.59722222
995	-9.83	-7.24	4.01	12.85	0.01	13.1	1.6	177.8	1.9	9.95	0.47	-0.24	0.81	0.81111111	0.00388889	0.00347222	1.73611111
996	-9.84	-7.25	4.02	12.87	0.02	13.1	1.6	178.3	1.9	9.96	0.46	-0.25	0.82	0.81888889	0.00388889	0.00361111	1.80555556
997	-9.86	-7.25	4.04	12.89	0.02	13.1	1.6	178.9	1.9	9.97	0.44	-0.25	0.84	0.82666667	0.00388889	0.00347222	1.73611111
998	-9.87	-7.26	4.04	12.9	0.01	13.1	1.6	178.8	2.1	9.98	0.43	-0.26	0.84	0.83444444	0.00333333	0.00319444	1.59722222
999	-9.87	-7.26	4.04	12.9	0.01	13.1	1.6	178.8	2.1	9.99	0.43	-0.26	0.84	0.84111111	0.00333333	0.00291667	1.45833333
1000	-9.87	-7.26	4.04	12.9	0.01	13.1	1.6	178.8	2.1	10	0.43	-0.26	0.84	0.84777778	0.00222222	0.00256944	1.28472222
1001	-9.87	-7.25	4.05	12.9	0	13.2	1.6	178.6	1.9	10.01	0.43	-0.25	0.85	0.85222222	0.00166667	0.00222222	1.11111111
1002	-9.86	-7.25	4.06	12.89	0	13.1	1.5	179	2	10.02	0.44	-0.25	0.86	0.85555556	0.00111111	0.001875	0.9375
1003	-9.87	-7.25	4.07	12.91	0.01	13.1	1.5	178.9	2	10.03	0.43	-0.25	0.87	0.85777778	0.00111111	0.00145833	0.72916667
1004	-9.87	-7.24	4.07	12.9	-0.01	13.2	1.6	178.4	1.9	10.04	0.43	-0.24	0.87	0.86	0.00111111	0.00090278	0.45138889
1005	-9.86	-7.24	4.06	12.89	-0.01	13.2	1.5	178.6	1.9	10.05	0.44	-0.24	0.86	0.86222222	0.00111111	0.00055556	0.27777778
1006	-9.86	-7.24	4.07	12.89	0	13.1	1.5	178.5	2	10.06	0.44	-0.24	0.87	0.86444444	0	0.00034722	0.17361111
1007	-9.85	-7.23	4.06	12.88	-0.02	13.1	1.5	178.4	1.9	10.07	0.45	-0.23	0.86	0.86444444	-0.00111111	0.00013889	0.06944444
1008	-9.85	-7.23	4.06	12.88	0	13.2	1.5	177.9	2	10.08	0.45	-0.23	0.86	0.86222222	-0.00055556	-0.00013889	-0.06944444
1009	-9.85	-7.23	4.06	12.88	0	13.1	1.6	178.3	2	10.09	0.45	-0.23	0.86	0.86111111	0	-0.00034722	-0.17361111
1010	-9.85	-7.24	4.07	12.88	0.01	13.2	1.5	178.5	1.9	10.1	0.45	-0.24	0.87	0.86111111	-0.00055556	-0.00048611	-0.24305556
1011	-9.86	-7.24	4.06	12.89	0	13.2	1.5	178.6	1.9	10.11	0.44	-0.24	0.86	0.86	-0.00111111	-0.00048611	-0.24305556
1012	-9.86	-7.24	4.05	12.89	0	13.2	1.5	178.6	2	10.12	0.44	-0.24	0.85	0.85777778	-0.00055556	-0.00034722	-0.17361111
1013	-9.85	-7.25	4.06	12.89	0	13.2	1.5	178.7	1.9	10.13	0.45	-0.25	0.86	0.85666667	0	-0.00013889	-0.06944444
1014	-9.85	-7.25	4.06	12.89	0	13.2	1.5	178.8	1.9	10.14	0.45	-0.25	0.86	0.85666667	0	6.9389E-18	3.4694E-15
1015	-9.85	-7.25	4.06	12.89	0	13.2	1.5	178.8	1.9	10.15	0.45	-0.25	0.86	0.85666667	0	0.00020833	0.10416667
1016	-9.85	-7.25	4.04	12.88	-0.01	13.2	1.5	178.5	1.9	10.16	0.45	-0.25	0.84	0.85666667	0.00111111	0.00055556	0.27777778
1017	-9.85	-7.25	4.05	12.88	0	13.2	1.5	178.6	2	10.17	0.45	-0.25	0.85	0.85888889	0.00111111	0.00097222	0.48611111
1018	-9.86	-7.25	4.06	12.89	0.01	13.2	1.5	178.9	1.9	10.18	0.44	-0.25	0.86	0.86111111	0.00111111	0.00125	0.625
1019	-9.86	-7.25	4.07	12.9	0	13.2	1.5	179.6	2	10.19	0.44	-0.25	0.87	0.86333333	0.00166667	0.00152778	0.76388889
1020	-9.87	-7.24	4.06	12.9	0	13.2	1.5	179.6	1.9	10.2	0.43	-0.24	0.86	0.86666667	0.00277778	0.00180556	0.90277778
1021	-9.87	-7.25	4.07	12.91	0.01	13.2	1.5	179.8	1.9	10.21	0.43	-0.25	0.87	0.87222222	0.00222222	0.00194444	0.97222222
1022	-9.87	-7.25	4.08	12.91	0	13.2	1.5	179.5	2	10.22	0.43	-0.25	0.88	0.87666667	0.00222222	0.00215278	1.07638889
1023	-9.87	-7.25	4.08	12.91	0	13.2	1.5	179.5	1.9	10.23	0.43	-0.25	0.88	0.88111111	0.00222222	0.00222222	1.11111111
1024	-9.87	-7.25	4.09	12.91	0	13.2	1.5	179.9	1.9	10.24	0.43	-0.25	0.89	0.88555556	0.00222222	0.00222222	1.11111111
1025	-9.87	-7.24	4.09	12.91	-0.01	13.2	1.5	179.6	1.9	10.25	0.43	-0.24	0.89	0.89	0.00277778	0.00201389	1.00694444
1026	-9.88	-7.24	4.09	12.91	0.01	13.2	1.5	179.5	1.9	10.26	0.42	-0.24	0.89	0.89555556	0.00166667	0.00194444	0.97222222
1027	-9.88	-7.24	4.1	12.92	0	13.2	1.5	179.5	2	10.27	0.42	-0.24	0.9	0.89888889	0.00166667	0.00194444	0.97222222
1028	-9.89	-7.25	4.11	12.93	0.02	13.2	1.5	179.2	2	10.28	0.41	-0.25	0.91	0.90222222	0.00111111	0.00180556	0.90277778
1029	-9.9	-7.25	4.1	12.94	0	13.2	1.5	180.3	2	10.29	0.4	-0.25	0.9	0.90444444	0.00166667	0.00166667	0.83333333
1030	-9.9	-7.26	4.12	12.95	0.01	13.2	1.5	180.6	1.9	10.3	0.4	-0.26	0.92	0.90777778	0.00222222	0.00159722	0.79861111
1031	-9.89	-7.26	4.11	12.94	-0.01	13.2	1.5	180.4	1.9	10.31	0.41	-0.26	0.91	0.91222222	0.00111111	0.00152778	0.76388889
1032	-9.9	-7.25	4.11	12.94	0	13.2	1.5	180.1	1.9	10.32	0.4	-0.25	0.91	0.91444444	0.00111111	0.00152778	0.76388889
1033	-9.9	-7.26	4.11	12.95	0.01	13.2	1.5	180.6	1.9	10.33	0.4	-0.26	0.91	0.91666667	0.00222222	0.00145833	0.72916667
1034	-9.9	-7.26	4.12	12.95	0	13.2	1.5	180.2	1.9	10.34	0.4	-0.26	0.92	0.92111111	0.00111111	0.00138889	0.69444444
1035	-9.9	-7.26	4.13	12.95	0	13.2	1.5	180.4	1.9	10.35	0.4	-0.26	0.93	0.92333333	0.00166667	0.00131944	0.65972222
1036	-9.9	-7.26	4.12	12.95	0	13.2	1.5	179.8	1.9	10.36	0.4	-0.26	0.92	0.92666667	0.00055556	0.00125	0.625
1037	-9.91	-7.26	4.13	12.96	0.01	13.2	1.5	180.8	1.9	10.37	0.39	-0.26	0.93	0.92777778	0.00111111	0.00131944	0.65972222
1038	-9.91	-7.26	4.14	12.96	0	13.2	1.5	180.4	1.9	10.38	0.39	-0.26	0.94	0.93	0.00166667	0.00152778	0.76388889
1039	-9.92	-7.26	4.14	12.97	0.01	13.2	1.5	181.2	1.9	10.39	0.38	-0.26	0.94	0.93333333	0.00055556	0.00173611	0.86055556
1040	-9.92	-7.27	4.14	12.98	0.01	13.2	1.5	181.4	2	10.4	0.38	-0.27	0.94	0.93444444	0.00166667	0.00180556	0.90277778
1041	-9.93	-7.27	4.12	12.98	0	13.2	1.5	181.2	2	10.41	0.37	-0.27	0.92	0.93777778	0.00388889	0.00201389	1.00694444
1042	-9.93	-7.27	4.13	12.98	0	13.2	1.4	180.9	1.9	10.42	0.37	-0.27	0.93	0.94555556	0.00277778	0.00243056	1.21527778
1043	-9.93	-7.27	4.15	12.99	0.01	13.2	1.4	180.5	2	10.43	0.37	-0.27	0.95	0.95111111	0.00222222	0.00284722	1.42361111
1044	-9.95	-7.26	4.14	12.99	0.01	13.2	1.4	180.9	1.9	10.44	0.35	-0.26	0.94	0.95555556	0.00222222	0.00305556	1.52777778
1045	-9.96	-7.27	4.15	13.01	0.02	13.2	1.4	181	1.9	10.45	0.34	-0.27	0.95	0.96	0.00444444	0.00298611	1.49305556
1046	-9.96	-7.27	4.2	13.03	0.02	13.2	1.4	181.4	2	10.46	0.34	-0.27	1	0.96888889	0.005	0.00298611	1.49305556
1047	-9.97	-7.28	4.19	13.04	0.01	13.2	1.4	181.3	1.9	10.47	0.33	-0.28	0.99	0.97888889	0.00222222	0.00263889	1.31944444
1048	-9.98	-7.28	4.18	13.04	0	13.2	1.4	182.1	2	10.48	0.32	-0.28	0.98	0.98333333	0.00111111	0.00236111	1.18055556
1049	-9.98	-7.29	4.18	13.05	0.01	13.2	1.4	182.2	2	10.49	0.32	-0.29	0.98	0.98555556	0.00388889	0.00256944	1.28472222
1050	-9.99	-7.29	4.2	13.06	0.01	13.2	1.4	182.9	1.9	10.5	0.31	-0.29	1	0.99333333	0	0.00222222	1.11111111
1051	-9.99	-7.29	4.22	13.07	0.01	13.2	1.4	182.8	2	10.51	0.31	-0.29	1.02	0.99333333	0	0.00145833	0.72916667
1052	-9.99	-7.3	4.19	13.06	0	13.2	1.4	182.8	2	10.52	0.31	-0.3	0.99	0.99333333	0.00388889	0.00097222	0.48611111
1053	-9.99	-															

APPENDIX E: CPEIT DERIVED PILE BEARING CAPACITY OUTPUT

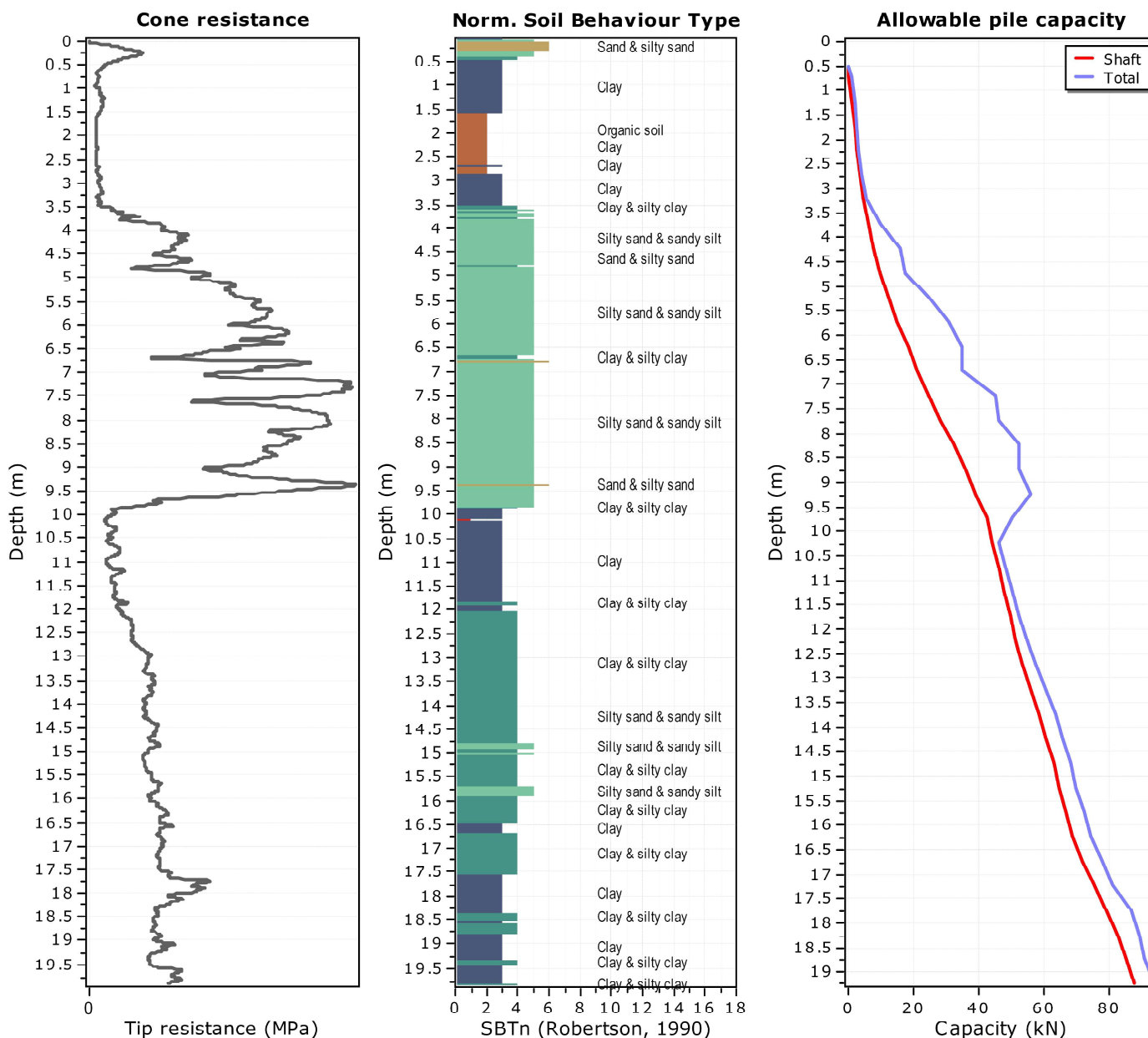
OUTPUT FOR 150mm PILES

Project: Retrospective Geotechnical Report
Location: 23 Holloway Place, Forest Lake, Hamilton

Pile properties

Shaft diameter: 0.15 m
Tip diameter: 0.15 m
Unit friction area: 0.471 m²
Tip area: 0.018 m²

Pile shaft Group: Group IB
Pile tip Group: Group II
Pile shaft FOS: 2.00
Pile tip FOS: 3.00



Pile group for bearing capacity factor k_c

- Group I: plain bored piles; mud bored piles; micro piles (grouted under low pressure); cased bored piles; hollow bored piles; piers; barrettes
- Group II: cast screwed piles; driven precast piles; prestressed tubular piles; driven cast piles; jacked metal piles; micropiles (small diameter piles grouted under high pressure with diameter < 250 mm); driven grouted piles (low pressure grouting); driven metal piles; driven rammed piles; jacket concrete piles; high pressure grouted piles of large diameter

Pile group for friction coefficient alpha

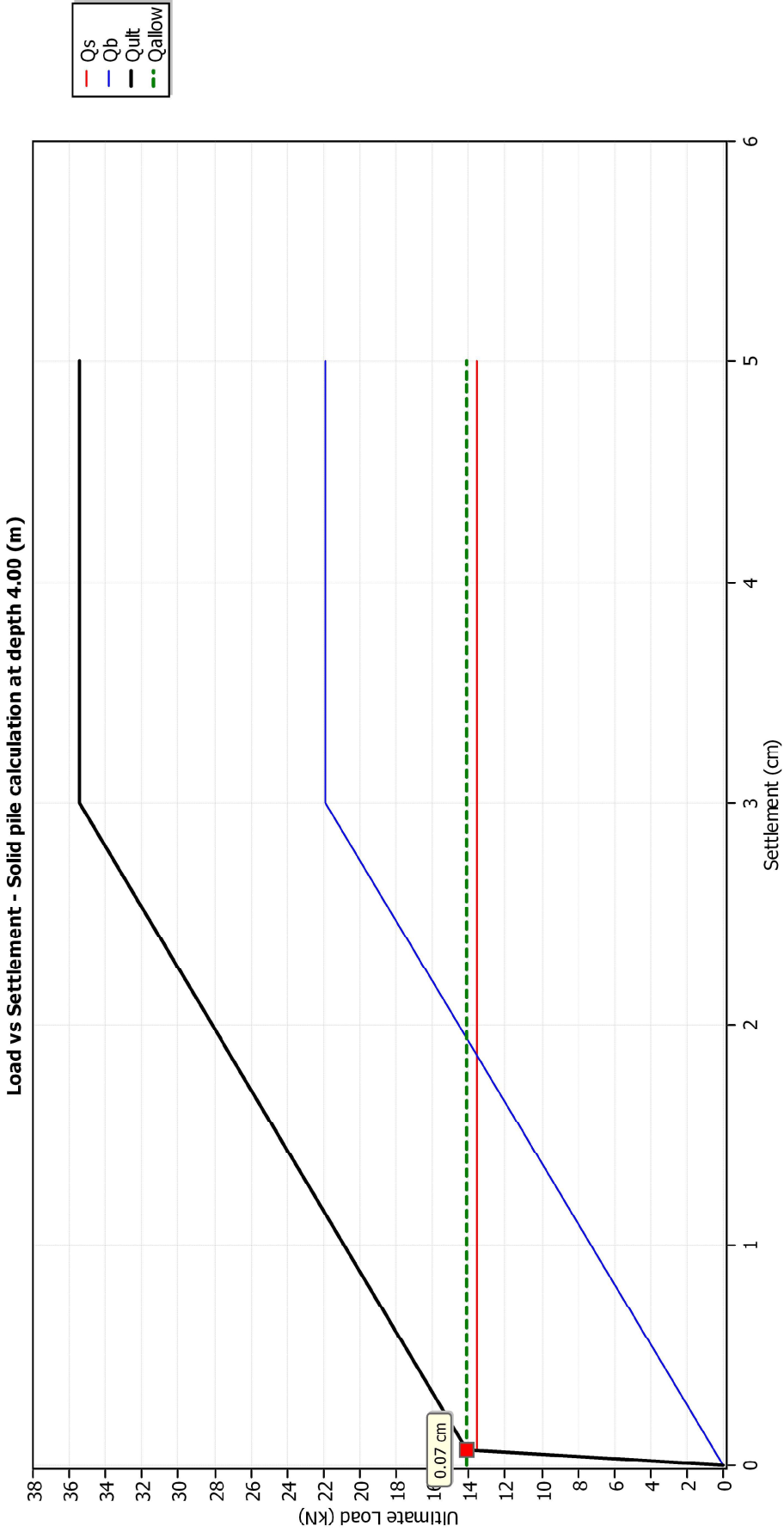
- Group IA: plain bored piles; mud bored piles; hollow auger bored piles; micro piles (grouted under low pressure); cast screwed piles; piers; barrettes
- Group IB: cased bored piles; driven cast piles
- Group IIA: driven precast piles; prestresses tubular piles; jacket concrete piles



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25 Fontana street, Papamoa
<http://www.soil-eng.com>

CPT: CPT01
Total depth: 19.90 m, Date: 03-Jul-25
Surface Elevation: 0.00 m
Coords: X:0.00, Y:0.00
Cone Type:
Cone Operator:

Project: Retrospective Geotechnical Report
Location: 23 Holloway Place, Forest Lake, Hamilton



Pile properties

Shaft diameter:	0.15 m	Pile shaft Group:	Group IB	Shaft displacement:	0.005 x Ds (where Ds = shaft diameter)
Tip diameter:	0.15 m	Pile tip Group:	Group II	Tip displacement:	0.200 x Db (where Db = base/tip diameter)
Unit friction area:	0.471 m ²	Pile shaft FOS:	2.00		
Tip area:	0.018 m ²	Pile tip FOS:	3.00		

Pile properties

Shaft diameter: 0.15 m
 Tip diameter: 0.15 m
 Unit friction area: 0.471 m²
 Tip area: 0.018 m²

Pile shaft Group: Group IB
 Pile tip Group: Group II
 Pile shaft FOS: 2.00
 Pile tip FOS: 3.00

:: Pile bearing capacity calculations (f_p restrictions applied) ::

No	Tip depth (m)	q' _{ca} (MPa)	q _{ca} (MPa)	k _c	q _p (MPa)	Q _s (kN)	Q _b (kN)	Q _{ult} (kN)	Q _{all} (kN)
1	0.72	0.29	0.29	0.45	0.13	0.48	2.34	2.82	1.02
2	1.23	0.38	0.38	0.45	0.17	1.58	3.03	4.61	1.80
3	1.73	0.22	0.22	0.50	0.11	3.73	1.91	5.64	2.50
4	2.23	0.21	0.21	0.50	0.11	5.31	1.89	7.20	3.28
5	2.73	0.26	0.26	0.50	0.13	7.13	2.33	9.46	4.34
6	3.23	0.32	0.32	0.50	0.16	9.61	2.84	12.45	5.75
7	3.73	1.34	1.27	0.50	0.64	11.93	11.26	23.19	9.72
8	4.22	2.75	2.75	0.50	1.37	15.57	24.27	39.84	15.88
9	4.72	2.65	2.61	0.50	1.30	19.70	23.04	42.73	17.53
10	5.22	4.25	4.25	0.50	2.12	24.19	37.54	61.73	24.61
11	5.72	5.37	5.37	0.50	2.69	30.04	47.45	77.49	30.84
12	6.22	5.55	5.55	0.50	2.77	36.56	49.03	85.59	34.62
13	6.72	4.61	4.59	0.50	2.30	42.37	40.57	82.94	34.71
14	7.22	6.69	6.89	0.50	3.44	49.20	60.84	110.04	44.88
15	7.72	5.89	5.99	0.50	2.99	56.51	52.92	109.43	45.90
16	8.22	6.67	6.67	0.50	3.33	64.57	58.91	123.48	51.92
17	8.72	5.51	5.51	0.50	2.76	71.55	48.73	120.28	52.02
18	9.22	5.79	5.73	0.50	2.86	77.98	50.59	128.58	55.86
19	9.72	2.68	2.68	0.50	1.34	84.79	23.65	108.44	50.28
20	10.22	0.64	0.64	0.50	0.32	88.22	5.66	93.88	46.00
21	10.72	0.75	0.75	0.50	0.38	91.75	6.65	98.41	48.10
22	11.22	0.75	0.75	0.50	0.37	95.29	6.61	101.90	49.85
23	11.72	0.86	0.85	0.50	0.43	98.82	7.54	106.36	51.92
24	12.22	1.20	1.20	0.50	0.60	102.36	10.63	112.99	54.72
25	12.72	1.49	1.49	0.50	0.74	105.89	13.14	119.03	57.32
26	13.22	1.83	1.83	0.45	0.82	111.01	14.53	125.54	60.35
27	13.72	1.90	1.90	0.45	0.86	116.61	15.12	131.73	63.34
28	14.22	1.80	1.80	0.50	0.90	120.65	15.92	136.57	65.63
29	14.72	2.02	2.02	0.45	0.91	125.33	16.08	141.41	68.02
30	15.22	1.74	1.74	0.50	0.87	128.61	15.40	144.00	69.44
31	15.72	2.04	2.04	0.50	1.02	132.60	18.03	150.63	72.31
32	16.23	2.20	2.20	0.45	0.99	136.81	17.51	154.31	74.24
33	16.73	2.27	2.27	0.45	1.02	143.59	18.07	161.66	77.82
34	17.23	2.18	2.18	0.45	0.98	150.10	17.33	167.43	80.83
35	17.73	3.00	3.00	0.45	1.35	156.99	23.88	180.86	86.45
36	18.23	2.43	2.43	0.45	1.09	165.01	19.30	184.32	88.94
37	18.73	2.05	2.05	0.50	1.02	169.29	18.11	187.40	90.68
38	19.23	2.13	2.13	0.50	1.07	174.53	18.86	193.39	93.55

:: Pile bearing capacity calculations (f_p restrictions applied) ::

No	Tip depth (m)	q'_{ca} (MPa)	q_{ca} (MPa)	k_c	q_p (MPa)	Q_s (kN)	Q_b (kN)	Q_{ult} (kN)	Q_{all} (kN)
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Abbreviations

Tip depth: Depth from free surface where tip capacity will be calculated

q'_{ca} : Mean q_t value between -a and +a (above and below pile tip depth respectively)

q_{ca} : Mean value between -a and +a according to LCPC method

k_c : Bearing capacity factor

q_p : Pile unit end bearing capacity

Q_s : Shaft capacity

Q_b : Base capacity

Q_{ult} : Ultimate pile bearing capacity

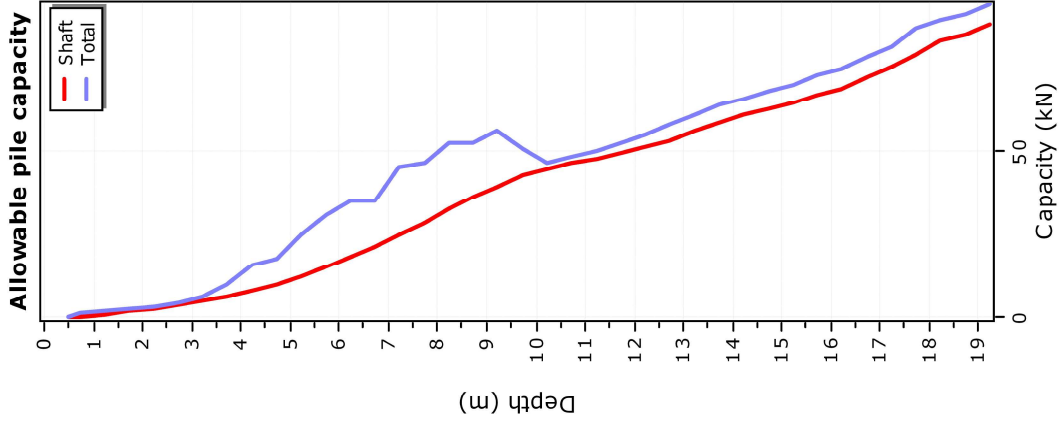
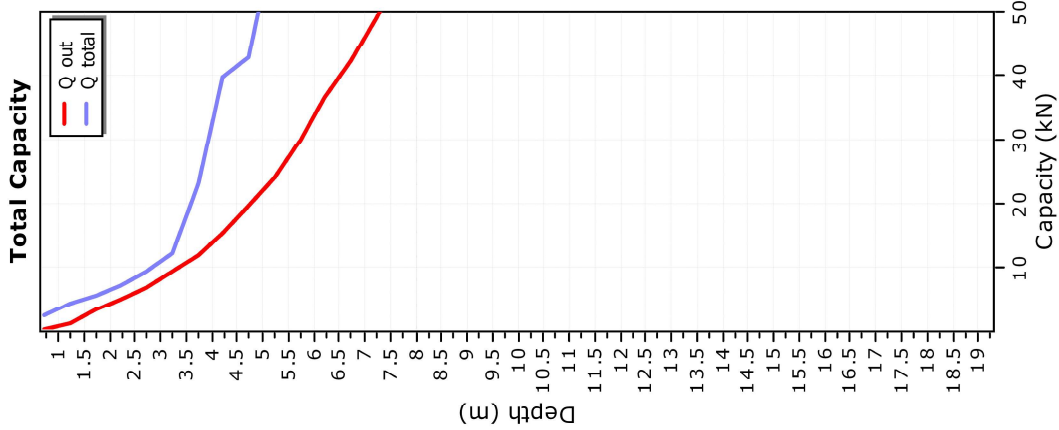
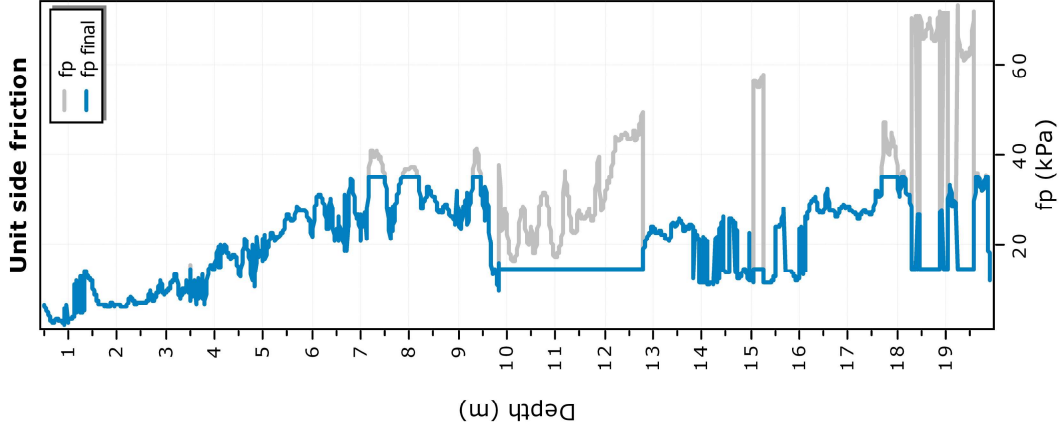
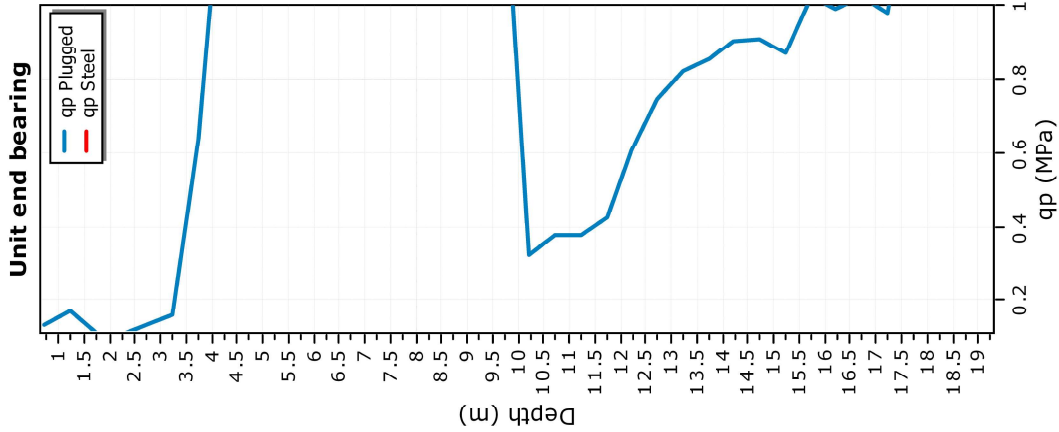
Q_{all} : Allowable pile bearing capacity



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CPT: CPT01
Total depth: 19,90 m, Date: 03-Jul-25
Surface Elevation: 0,00 m
Coords: X:0,00, Y:0,00
Cone Type:
Cone Operator:

Project: Retrospective Geotechnical Report
Location: 23 Holloway Place, Forest Lake, Hamilton



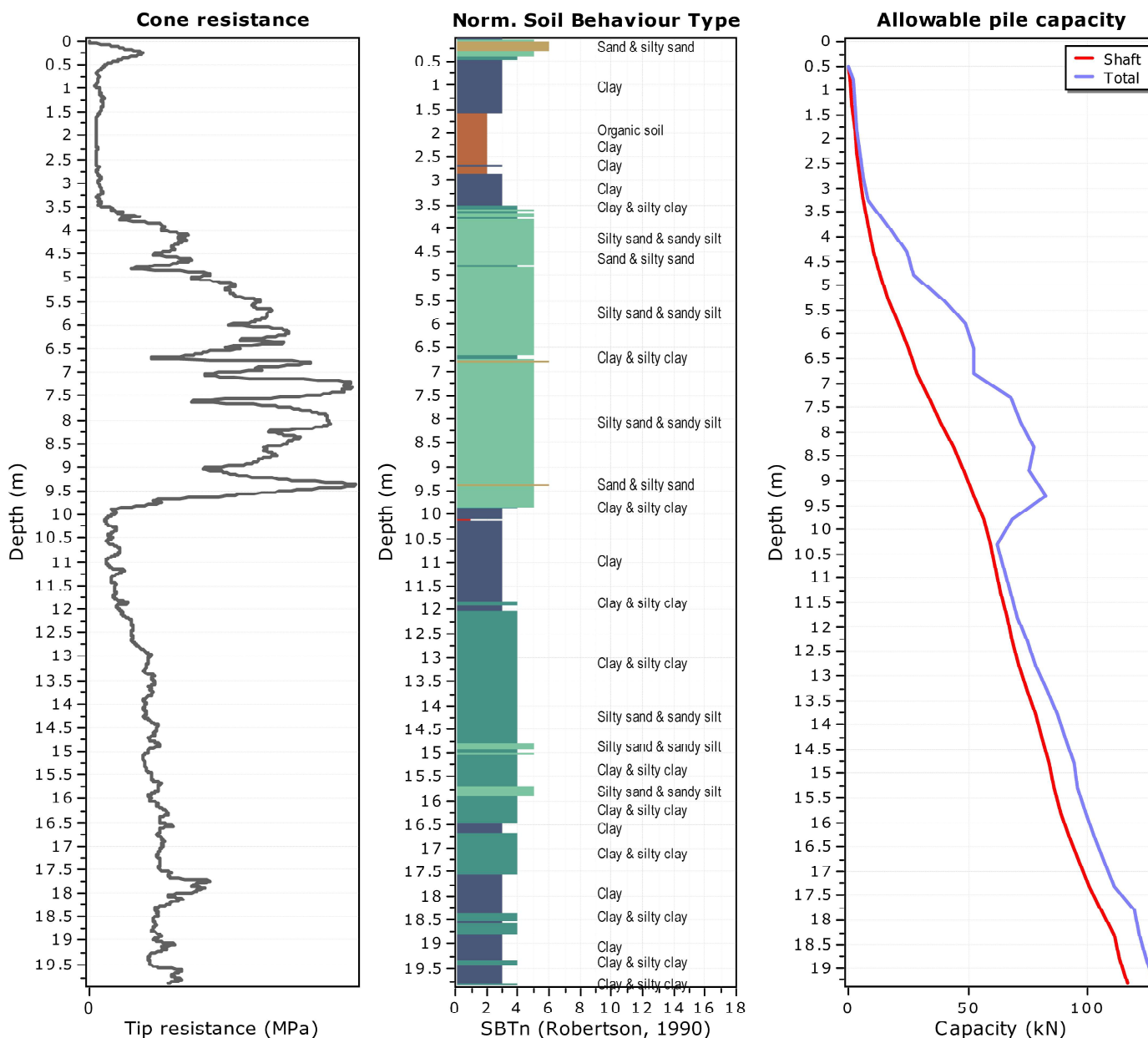
OUTPUT FOR 200mm PILES

Project: Retrospective Geotechnical Report
Location: 23 Holloway Place, Forest Lake, Hamilton

Pile properties

Shaft diameter: 0.20 m
Tip diameter: 0.20 m
Unit friction area: 0.628 m²
Tip area: 0.031 m²

Pile shaft Group: Group IB
Pile tip Group: Group II
Pile shaft FOS: 2.00
Pile tip FOS: 3.00



Pile group for bearing capacity factor k_c

- Group I: plain bored piles; mud bored piles; micro piles (grouted under low pressure); cased bored piles; hollow bored piles; piers; barrettes
- Group II: cast screwed piles; driven precast piles; prestressed tubular piles; driven cast piles; jacked metal piles; micropiles (small diameter piles grouted under high pressure with diameter < 250 mm); driven grouted piles (low pressure grouting); driven metal piles; driven rammed piles; jacket concrete piles; high pressure grouted piles of large diameter

Pile group for friction coefficient alpha

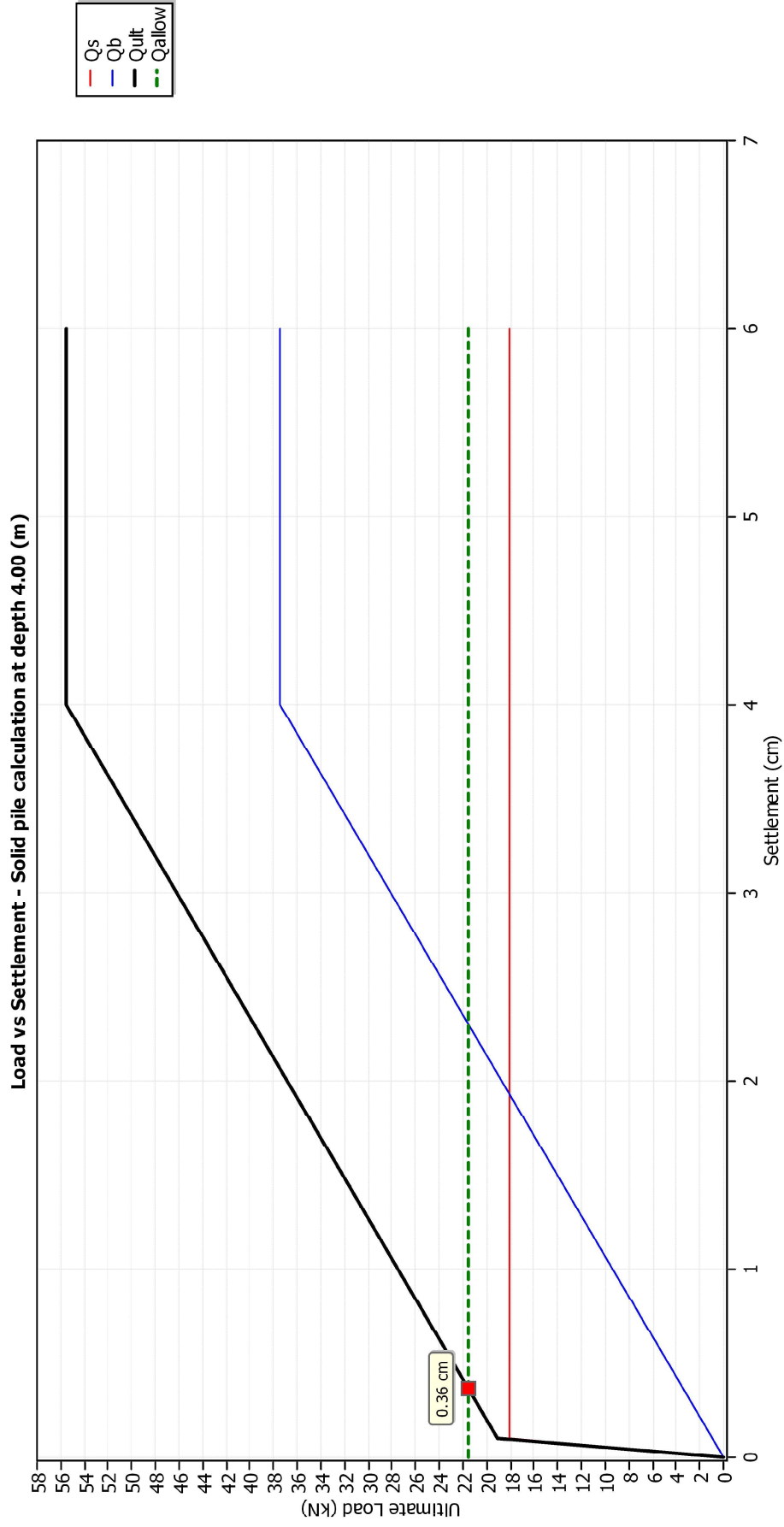
- Group IA: plain bored piles; mud bored piles; hollow auger bored piles; micro piles (grouted under low pressure); cast screwed piles; piers; barrettes
- Group IB: cased bored piles; driven cast piles
- Group IIA: driven precast piles; prestresses tubular piles; jacket concrete piles



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CPT: CPT01
Total depth: 19,90 m, Date: 03-Jul-25
Surface Elevation: 0,00 m
Coords: X:0,00, Y:0,00
Cone Type:
Cone Operator:

Project: Retrospective Geotechnical Report
Location: 23 Holloway Place, Forest Lake, Hamilton



Pile properties

Shaft diameter:	0.20 m	Pile shaft Group:	Group IB	Shaft displacement:	0.005 x Ds (where Ds = shaft diameter)
Tip diameter:	0.20 m	Pile tip Group:	Group II	Tip displacement:	0.200 x Db (where Db = base/tip diameter)
Unit friction area:	0.628 m ²	Pile shaft FOS:	2.00		
Tip area:	0.031 m ²	Pile tip FOS:	3.00		

Pile properties

Shaft diameter: 0.20 m
 Tip diameter: 0.20 m
 Unit friction area: 0.628 m²
 Tip area: 0.031 m²

Pile shaft Group: Group IB
 Pile tip Group: Group II
 Pile shaft FOS: 2.00
 Pile tip FOS: 3.00

:: Pile bearing capacity calculations (f_p restrictions applied) ::

No	Tip depth (m)	q' _{ca} (MPa)	q _{ca} (MPa)	k _c	q _p (MPa)	Q _s (kN)	Q _b (kN)	Q _{ult} (kN)	Q _{all} (kN)
1	0.80	0.29	0.29	0.45	0.13	0.80	4.13	4.93	1.78
2	1.30	0.36	0.36	0.45	0.16	2.43	5.05	7.49	2.90
3	1.80	0.21	0.21	0.50	0.11	5.27	3.32	8.59	3.74
4	2.30	0.21	0.21	0.50	0.11	7.45	3.37	10.81	4.84
5	2.80	0.27	0.27	0.50	0.14	9.87	4.28	14.15	6.36
6	3.30	0.39	0.36	0.50	0.18	13.23	5.60	18.82	8.48
7	3.80	1.66	1.64	0.50	0.82	16.36	25.69	42.05	16.74
8	4.30	2.66	2.66	0.50	1.33	21.57	41.74	63.30	24.70
9	4.80	2.86	2.89	0.45	1.30	26.97	40.83	67.80	27.09
10	5.30	4.48	4.48	0.50	2.24	33.20	70.39	103.59	40.06
11	5.80	5.33	5.33	0.50	2.66	41.27	83.65	124.92	48.52
12	6.30	5.19	5.19	0.50	2.59	49.91	81.45	131.37	52.11
13	6.80	4.49	4.51	0.50	2.26	57.88	70.88	128.75	52.56
14	7.30	6.43	6.54	0.50	3.27	67.14	102.73	169.87	67.81
15	7.80	6.28	6.39	0.50	3.19	76.77	100.31	177.08	71.82
16	8.30	6.47	6.47	0.50	3.24	87.36	101.67	189.03	77.57
17	8.80	5.14	5.14	0.50	2.57	96.65	80.72	177.37	75.23
18	9.30	5.72	5.65	0.50	2.83	105.38	88.81	194.20	82.30
19	9.80	2.17	2.17	0.50	1.09	113.65	34.16	147.81	68.21
20	10.30	0.64	0.64	0.50	0.32	118.29	9.98	128.27	62.47
21	10.80	0.70	0.70	0.50	0.35	123.00	11.05	134.05	65.18
22	11.30	0.76	0.76	0.50	0.38	127.71	11.93	139.64	67.83
23	11.80	0.88	0.88	0.50	0.44	132.42	13.85	146.27	70.83
24	12.30	1.23	1.23	0.50	0.62	137.14	19.36	156.50	75.02
25	12.80	1.58	1.58	0.45	0.71	141.93	22.34	164.27	78.41
26	13.30	1.87	1.87	0.45	0.84	148.96	26.47	175.43	83.30
27	13.80	1.86	1.86	0.45	0.84	156.55	26.32	182.88	87.05
28	14.30	1.87	1.87	0.50	0.94	161.68	29.39	191.07	90.64
29	14.80	1.96	1.96	0.50	0.98	167.67	30.81	198.48	94.10
30	15.30	1.79	1.79	0.50	0.89	172.05	28.12	200.17	95.40
31	15.80	2.02	2.02	0.50	1.01	177.43	31.76	209.19	99.30
32	16.30	2.24	2.24	0.45	1.01	183.73	31.66	215.39	102.42
33	16.80	2.26	2.26	0.45	1.02	192.63	32.01	224.64	106.98
34	17.30	2.22	2.22	0.45	1.00	201.32	31.35	232.67	111.11
35	17.80	2.95	2.95	0.45	1.33	210.86	41.69	252.54	119.32
36	18.30	2.33	2.33	0.45	1.05	221.30	32.94	254.24	121.63
37	18.80	2.11	2.11	0.50	1.05	226.38	33.12	259.50	124.23
38	19.30	2.11	2.11	0.50	1.06	233.37	33.19	266.55	127.75

:: Pile bearing capacity calculations (f_p restrictions applied) ::

No	Tip depth (m)	q'_{ca} (MPa)	q_{ca} (MPa)	k_c	q_p (MPa)	Q_s (kN)	Q_b (kN)	Q_{ult} (kN)	Q_{all} (kN)
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Abbreviations

Tip depth: Depth from free surface where tip capacity will be calculated

q'_{ca} : Mean q_t value between -a and +a (above and below pile tip depth respectively)

q_{ca} : Mean value between -a and +a according to LCPC method

k_c : Bearing capacity factor

q_p : Pile unit end bearing capacity

Q_s : Shaft capacity

Q_b : Base capacity

Q_{ult} : Ultimate pile bearing capacity

Q_{all} : Allowable pile bearing capacity



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