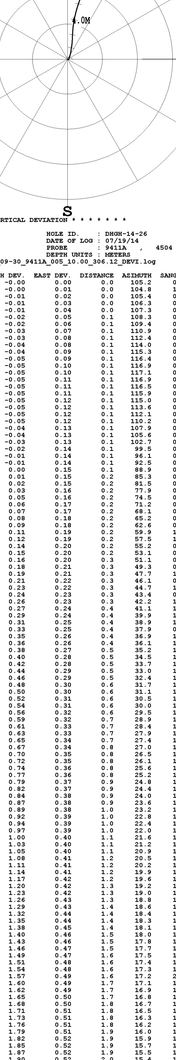
PLAN VIEW
COMPU-LOG DEVIATION

CLIENT: ATKRM COAL
LOCATION: GROUNDHOG
HOLE ID: DHGH-14-26
DATE OF LOG: 07/19/14
PROBE: 9411A 4504

MAG DECL: 19.5

SCALE: 2 M/CM
TRUE DEPTH: 305.97 M
AZIMUTH: 14.1
DISTANCE: 8.5 M
+ = 50 M INCR
○ = BOTTOM OF HOLE



* * * * * * * COMPU-LOG - VERTICAL DEVIATION * * * * * * *

CLIENT : ATKRM COAL
FIELD OFFICE : CENTURY OHO
DATA FROM : H/A
MAG. DECL. : 19.500
LOG: \DNGH-14-26_07-19-14_09-30_9411A_005_10.00_306.12_DEVI.log

HOLE ID: DHGH-14-26
DATE OF LOG : 07/19/14
PROBE : 9411A , 4504
DEPTH UNITS : METERS

CABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGB
10.00	10.00	-0.00	0.00	0.0	105.2	0.5	105.2
11.00	11.00	-0.00	0.01	0.0	104.8	1.3	98.0
12.00	12.00	-0.01	0.02	0.0	105.4	0.7	101.4
13.00	13.00	-0.01	0.03	0.0	106.3	0.6	104.9
14.00	14.00	-0.01	0.04	0.0	107.9	0.4	110.1
15.00	15.00	-0.02	0.05	0.1	108.3	0.7	109.2
16.00	16.00	-0.02	0.06	0.1	109.4	0.7	117.5
17.00	17.00	-0.03	0.07	0.1	110.9	0.7	111.2
18.00	18.00	-0.03	0.08	0.1	112.0	0.5	121.5
19.00	19.00	-0.04	0.08	0.1	114.0	0.5	120.2
20.00	20.00	-0.04	0.09	0.1	115.3	0.4	124.5
21.00	21.00	-0.05	0.09	0.1	116.4	0.4	139.1
22.00	22.00	-0.05	0.10	0.1	116.3	0.7	96.0
23.00	23.00	-0.05	0.10	0.1	117.1	0.2	143.9
24.00	24.00	-0.05	0.11	0.1	116.0	0.1	110.1
25.00	25.00	-0.05	0.11	0.1	116.5	0.2	103.4
26.00	26.00	-0.05	0.11	0.1	116.2	0.2	85.0
27.00	27.00	-0.05	0.12	0.1	115.0	0.3	297.1
28.00	28.00	-0.05	0.12	0.1	113.6	0.3	34.2
29.00	29.00	-0.05	0.12	0.1	112.1	0.3	63.6
30.00	30.00	-0.05	0.12	0.1	110.2	0.3	84.1
31.00	31.00	-0.04	0.13	0.1	107.9	0.3	100.1
32.00	32.00	-0.04	0.13	0.1	105.4	0.4	337.5
33.00	33.00	-0.03	0.13	0.1	102.7	0.2	65.8
34.00	34.00	-0.02	0.14	0.1	99.5	0.4	29.9
35.00	35.00	-0.01	0.14	0.1	96.1	0.4	23.8
36.00	36.00	-0.01	0.14	0.1	92.3	0.5	28.5
37.00	37.00	0.00	0.15	0.1	88.9	0.7	17.4
38.00	38.00	0.01	0.15	0.2	85.8	0.3	322.6
39.00	39.00	0.02	0.15	0.2	81.5	0.6	14.8
40.00	40.00	0.03	0.16	0.2	77.0	0.7	22.3
41.00	41.00	0.05	0.16	0.2	74.5	0.7	22.8
42.00	42.00	0.06	0.17	0.2	71.2	0.9	31.0
43.00	43.00	0.07	0.17	0.2	68.1	0.8	19.7
44.00	44.00	0.08	0.18	0.2	65.6	0.8	17.8
45.00	45.00	0.09	0.18	0.2	62.9	0.7	51.1
46.00	46.00	0.11	0.19	0.2	59.6	1.0	355.1
47.00	47.00	0.12	0.20	0.2	57.2	0.8	14.5
48.00	48.00	0.14	0.20	0.2	55.3	0.8	11.4
49.00	49.00	0.15	0.20	0.2	53.1	0.8	15.2
50.00	50.00	0.16	0.20	0.3	51.1	0.8	15.1
51.00	51.00	0.18	0.21	0.3	49.2	0.9	19.2
52.00	52.00	0.19	0.21	0.3	47.7	1.0	25.8
53.00	53.00	0.21	0.22	0.3	46.4	0.9	20.2
54.00	54.00	0.23	0.22	0.3	44.7	1.0	26.5
55.00	55.00	0.24	0.23	0.3	44.0	0.7	30.5
56.00	56.00	0.26	0.23	0.3	42.2	1.0	35.7
57.00	57.00	0.27	0.24	0.4	41.1	1.3	33.1
58.00	58.00	0.29	0.24	0.4	39.9	1.2	17.2
59.00	59.00	0.31	0.25	0.4	38.9	1.0	25.0
60.00	60.00	0.33	0.25	0.4	37.9	0.7	30.5
61.00	61.00	0.34	0.26	0.4	36.9	1.1	34.4
62.00	62.00	0.36	0.26	0.4	36.1	1.3	23.6
63.00	63.00	0.38	0.27	0.5	35.2	1.3	20.8
64.00	64.00	0.40	0.28	0.5	34.5	1.4	18.4
65.00	65.00	0.42	0.28	0.5	33.7	1.4	16.5
66.00	66.00	0.44	0.29	0.5	33.0	1.0	20.8
67.00	66.99	0.46	0.29	0.5	32.4	1.2	12.1
68.00	67.99	0.48	0.30	0.6	31.7	1.2	10.4
69.00	68.99	0.50	0.30	0.6	31.1	1.2	10.4
70.00	69.99	0.52	0.31	0.6	30.5	1.3	14.4
71.00	70.99	0.54	0.31	0.6	30.0	1.5	11.5
72.00	71.99	0.56	0.32	0.6	29.5	1.1	12.5
73.00	72.99	0.59	0.32	0.7	29.0	1.4	10.5
74.00	73.99	0.61	0.33	0.7	28.4	1.3	15.4
75.00	74.99	0.63	0.33	0.7	27.9	1.3	20.8
76.00	75.99	0.65	0.34	0.7	27.4	1.4	12.1
77.00	76.99	0.67	0.34	0.8	27.0	1.4	14.5
78.00	77.99	0.70	0.35	0.8	26.5	1.5	12.3
79.00	78.99	0.72	0.35	0.8	26.1	1.4	10.7
80.00	79.99	0.74	0.36	0.8	25.6	1.4	9.1
81.00	80.99	0.77	0.36	0.8	25.2	1.5	9.5
82.00	81.99	0.79	0.37	0.9	24.8	1.4	13.1
83.00	82.99	0.82	0.37	0.9	24.4	1.3	27.4
84.00	83.99	0.84	0.38	0.9	24.0	1.5	6.6
85.00	84.99	0.87	0.38	0.9	23.6	1.5	6.6
86.00	85.99	0.89	0.38	1.0	23.2	1.4	15.0
87.00	86.99	0.92	0.39	1.0	22.8	1.4	7.0
88.00	87.99	0.94	0.39	1.0	22.4	1.9	0.7
89.00	88.99	0.97	0.39	1.0	22.0	1.9	0.5
90.00	89.99	1.00	0.40	1.1	21.6	1.9	355.2
91.00	90.99	1.03	0.40	1.1	21.2	1.6	7.7
92.00	91.99	1.05	0.40	1.1	20.9	1.7	8.0
93.00	92.99	1.08	0.41	1.2	20.5	1.4	4.7
94.00	93.99	1.11	0.41	1.2	20.2	1.8	5.6
95.00	94.99	1.14	0.41	1.2	19.9	1.9	1.6
96.00	95.99	1.17	0.42	1.2	19.6	1.9	6.1
97.00	96.98	1.20	0.42	1.3	19.2	1.9	5.5
98.00	97.98	1.23	0.42	1.3	19.0	1.7	9.7
99.00	98.98	1.26	0.43	1.3	18.8	1.7	10.0
100.00	99.98	1.29	0.43	1.4	18.6	1.7	8.4
101.00	100.98	1.32	0.44	1.4	18.4	1.7	11.4
102.00	101.98	1.35	0.44	1.4	18.3	1.7	9.7
103.00	102.98	1.38	0.45	1.4	18.1	1.7	8.8
104.00	103.98	1.40	0.46	1.5	18.0	1.6	8.8
105.00	104.98	1.43	0.46	1.5	17.8	1.6	10.0
106.00	105.98	1.46	0.47	1.5	17.7	1.6	10.1
107.00	106.98	1.49	0.47	1.6	17.5	1.6	10.3
108.00	107.98	1.51	0.48	1.6	17.4	1.6	10.7
109.00	108.98	1.54	0.48	1.6	17.3	1.6	9.5
110.00	109.98	1.57	0.49	1.6	17.2	2.0	10.3
111.00	110.98	1.60	0.49	1.7	17.1	1.9	11.7
112.00	111.98	1.62	0.49	1.7	16.9	1.6	10.1
113.00	112.98	1.65	0.50	1.7	16.8	1.6	7.8
114.00	113.98	1.68	0.50	1.8	16.7	1.6	6.2
115.00	114.98	1.71	0.51	1.8	16.6	1.6	7.0
116.00	115.98	1.73	0.51	1.8	16.3	1.6	5.5
117.00	116.98	1.76	0.51	1.8	16.2	1.6	6.3
118.00	117.98	1.79	0.51	1.9	16.1	1.7	5.2
119.00	118.98	1.82	0.52	1.9	15.9	1.7	6.5
120.00	119.98	1.85	0.52	1.9	15.7	1.7	6.3
121.00	120.98	1.87	0.52	1.9	15.5	1.7	13.0
122.00	121.97	1.90	0.52	2.0	15.4	1.5	8.1
123.00	122.97	1.93	0.53	2.0	15.2	2.1	10.7
124.00	123.97	1.96	0.53	2.0	15.1	1.6	359.1
125.00	124.97	1.99	0.53	2.1	14.9	1.7	8.3
126.00	125.97	2.02	0.53	2.1	14.8	2.0	12.1
127.00	126.97	2.05	0.53	2.1	14.6	1.7	9.5
128.00	127.97	2.08	0.53	2.1	14.4	1.8	2.6
129.00	128.97	2.11	0.54	2.2	14.3	1.7	8.3
130.00	129.97	2.14	0.54	2.2	14.1	1.6	0.3
131.00	130.97	2.17	0.54	2.2	13.9	1.8	1.5
132.00	131.97	2.20	0.54	2.3	13.8	1.8	2.0
133.00	132.97	2.23	0.54	2.3	13.6	1.8	10.0
134.00	133.97	2.27	0.54	2.3	13.5	1.8	0.7
135.00	134.97	2.30	0.54	2.4	13.3	1.8	3.4
136.00	135.97	2.33	0.55	2.4	13.2	1.8	9.9
137.00	136.97	2.36	0.55	2.4	13.0	1.8	9.5
138.00	137.97	2.39	0.55	2.5	12.9	1.9	356.8
139.00	138.97	2.42	0.55	2.5	12.8	1.8	2.8
140.00	139.97	2.46	0.55	2.5	12.6	1.8	0.8
141.00	140.97	2.49	0.55	2.5	12.5	1.7	1.3
142.00	141.97	2.52	0.55	2.6	12.4	1.8	357.1
143.00	142.96	2.55	0.55	2.6	12.2	1.8	358.0
144.00	143.96	2.58	0.55	2.6	12.1	1.9	1.5
145.00	144.96	2.62	0.56	2.7	12.0	1.9	1.6
146.00	145.96	2.65	0.56	2.7	11.9	1.8	11.4
147.00	146.96	2.68	0.56	2.7	11.8	1.8	356.2
148.00	147.96	2.71	0.56	2.8	11.7	1.8	3.6
149.00	148.96	2.74	0.56	2.8	11.6	1.8	7.3
150.00	149.96	2.78	0.56	2.8	11.5	1.9	4.5
151.00	150.96	2.81	0.57	2.9	11.4	1.9	2.6
152.00	151.96	2.84	0.57	2.9	11.3	1.8	3.9
153.00	152.96	2.87	0.57	2.9	11.2	1.9	4.2
154.00	153.96	2.90	0.57	3.0	11.1	2.0	10.7
155.00	154.96	2.93	0.57	3.0	11.0	2.1	11.7
156.00	155.96	2.97	0.58	3.0	11.0	1.9	8.6
157.00	156.96	3.00	0.58	3.1	10.9	2.0	13.3
158.00	157.96	3.03	0.58	3.1	10.8	2.0	3.6
159.00	158.96	3.06	0.58	3.1	10.8	1.9	5.6
160.00	159.96	3.09	0.58	3.2	10.7	2.0	5.6
161.00	160.96	3.12	0.59	3.2	10.6	2.1	4.2
162.00	161.95	3.17	0.59	3.2	10.5	2.1	4.2
163.00	162.95	3.21	0.59	3.3	10.5	2.0	4.0
164.00	163.95	3.24	0.59	3.3	10.4	2.0	4.0
165.00	164.95	3.27	0.60	3.3	10.3	1.9	359.2
166.00	165.95	3.31	0.60	3.4	10.3	1.9	1.8
167.00	166.95	3.34	0.60	3.4	10.2	1.9	2.3
168.00	167.95	3.38	0.61	3.4	10.2	2.0	4.8
169.00	168.95	3.41	0.61	3.5	10.1	1.9	4.8
170.00	169.95	3.44	0.61	3.5	10.1	1.9	4.8
171.00	170.95	3.48	0.61	3.5	10.0	1.9	4.8
172.00	171.95	3.51	0.62	3.6	9.9	2.0	5.6
173.00	172.95	3.55	0.62	3.6	9.9	2.0	5.6
174.00	173.95	3.58	0.62	3.6	9.8	2.0	5.6
175.00	174.95	3.61	0.63	3.7	9.8	2.0	5.6
176.00	175.95	3.65	0.63	3.7	9.8	2.0	6.4
177.00	176.95	3.68	0.63	3.7	9.8	2.0	6.5
178.00	177.94	3.72	0.64	3.8	9.7	2.0	6.9
179.00	178.94	3.75	0.64	3.8	9.7	2.0	7.6
180.00	179.94	3.79	0.65	3.8	9.7	2.0	7.9
181.00	180.94	3.82	0.65	3.9	9.7	2.0	7.4
182.00	181.94	3.85	0.66	3.9	9.7	2.0	7.9
183.00	182.94	3.89	0.66	3.9	9.6	2.0	8.1
184.00	183.94	3.92	0.66	4.0	9.6	2.0	7.6
185.00	184.94	3.96	0.67	4.0	9.6	2.0	10.3
186.00	185.94	3.99	0.67	4.0	9.6	2.0	8.1
187.00	186.94	4.03	0.68	4.1	9.6	2.0	8.5
188.00	187.94	4.06	0.68	4.1	9.6	2.0	8.8
189.00	188.94	4.10	0.69	4.2	9.6	2.0	9.4
190.00	189.94	4.13	0.70	4.2	9.6	2.0	9.5
191.00	190.94	4.17	0.70	4.2	9.6	2.0	9.5
192.00	191.94	4.20	0.71	4.3	9.6	2.0	9.1
193.00	192.94	4.24	0.72	4.3	9.6	2.0	11.9
194.00	193.94	4.27	0.72	4.3	9.6	2.0	9.1
195.00	194.93	4.31	0.73	4.4	9.6	2.1	10.0
196.00	195.93	4.34	0.74	4.4	9.6	2.1	10.3
197.00	196.93	4.38	0.74	4.4	9.6	2.0	8.4
198.00	197.93	4.41	0.75	4.5	9.6	2.0	10.0
199.00	198.93	4.45	0.75	4.5	9.6	2.0	10.3
200.00	199.93	4.48	0.76	4.5	9.6	2.0	10.6
201.00	200.93	4.52	0.77	4.6	9.6	2.0	10.2
202.00	201.93	4.55	0.77	4.6	9.7	2.0	11.0
203.00	202.93	4.59	0.78	4.7	9.7	2.0	7.7
204.00	203.93	4.63	0.79	4.7	9.7	2.1	13.8
205.00	204.93	4.66	0.80	4.7	9.7	2.1	11.4
206.00	205.93	4.70	0.80	4.8	9.7	2.1	13.4
207.00	206.93	4.73	0.81	4.8	9.7	2.1	12.2
208.00	207.93	4.77	0.82	4.8	9.8	2.1	12.3
209.00	208.93	4.80	0.83	4.9	9.8	2.1	12.3
210.00	209.92	4.84	0.84	4.9	9.8	2.1	13.3
211.00	210.92	4.87	0.84	4.9	9.8	2.1	13.1
212.00	211.92	4.91	0.85	5.0	9.8	2.1	13.2
213.00	212.92	4.94	0.86	5.0	9.9	2.0	13.1
214.00	213.92	4.98	0.87	5.1	9.9	2.1	13.2
215.00	214.92	5.01	0.88	5.1	9.9	2.1	13.2
216.00	215.92	5.05	0.88	5.1	9.9	2.1	13.6
217.00	216.92	5.09	0.89	5.2	10.0	2.1	16.4
218.00	217.92	5.12	0.90	5.2	10.0	2.1	15.6
219.00	218.92	5.16	0.91	5.2	10.0	2.1	12.6
220.00	219.92	5.19	0.92	5.3	10.0	2.1	13.8
221.00	220.92	5.23	0.93	5.3	10.1	2.1	14.2
222.00	221.92	5.26	0.94	5.3	10.1	2.1	13.4
223.00	222.92	5.30	0.95	5.4	10.1	2.1	14.2
224.00	223.92	5.34	0.95	5.4	10.1	2.1	13.7
225.00	224.91	5.37	0.96	5.5	10.2	2.1	14.5
226.00	225.91	5.41	0.97	5.5	10.2	2.1	14.3
227.00	226.91	5.44	0.98	5.5	10.2	2.1	15.0
228.00	227.91	5.48	0.99	5.6	10.2	2.1	15.6
229.00	228.91	5.52	1.00	5.6	10.3	2.1	17.1
229.91	229.91	5.55	1.01	5.6	10.3	2.1	15.4
231.00	230.91	5.59	1.02	5.7	10.3	2.1	15.5
232.00	231.91	5.62	1.03	5.7	10.4	2.1	15.3
233.00	232.91	5.66	1.04	5.8	10.4	2.1	15.4
234.00	233.91	5.69	1.05	5.8	10.5	2.2	15.7
235.00	234.91	5.73	1.06	5.9	10.5	2.2	16.8
236.00	235.91	5.77	1.07	5.9	10.5	2.2	16.0
237.00	236.91	5.80	1.08	5.9	10.6	2.2	16.7
238.00	237.91	5.84	1.09	5.9	10.6	2.2	16.1
239.00	238.90	5.88	1.10	6.0	10.6	2.3	17.4
240.00	239.90	5.91	1.11	6.0	10.7	2.2	17.1
241.00	240.90	5.95	1.13	6.1	10.7	2.2	17.0
242.00	241.90	5.99	1.14	6.1	10.8	2.2	17.4
243.00	242.90	6.03	1.15	6.1	10.8	2.2	17.4
244.00	243.90	6.06	1.16	6.2	10.8	2.2	17.4
245.00	244.90	6.10	1.17	6.2	10.9	2.3	18.2
246.00	245.90	6.14	1.18	6.3	10.9	2.3	18.1
247.00	246.90	6.17	1.20	6.3	11.0	2.3	17.9
248.00	247.90	6.21	1.21	6.3	11.0	2.3	18.4
249.00	248.90	6.25	1.22	6.4	11.1	2.3	18.7
250.00	249.90	6.29	1.23	6.4	11.1	2.3	18.5
251.00	250.90	6.33	1.25	6.4	11.2	2.3	19.3
252.00	251.89	6.36	1.26	6.5	11.2	2.3	19.1
253.00	252.89	6.40	1.27	6.5	11.3	2.3	19.3
254.00	253.89	6.44	1.29	6.6	11.3	2.3	19.4
255.00	254.89	6.48	1.30	6.6	11.4	2.3	17.8
256.00	255.89	6.52	1.32	6.7	11.4	2.3	22.0
257.00	256.89	6.55	1.33	6.7	11.5	2.3	19.9
258.00	257.89	6.59	1.34	6.7	11.5	2.3	21.0
259.00	258.89	6.63	1.36	6.8	11.6	2.3	21.0
260.00	259.89	6.67	1.37	6.8	11.6	2.3	21.9
261.00	260.89	6.71	1.39	6.8	11.7	2.4	20.7
262.00	261.89	6.74	1.40	6.9	11.7	2.3	20.9
263.00	262.89	6.78	1.41	6.9	11.8	2.3	20.7
264.00	263.88	6.82	1.43	7.0	11.8	2.3	21.7
265.00	264.88	6.85	1.44	7.0	11.9	2.3	21.7
266.00	265.88	6.89	1.46	7.1	11.9	2.3	23.1
267.00	266.88	6.93	1.47	7.1	12.0	2.3	23.1
268.00	267.88	6.96	1.49	7.1	12.0	2.2	21.0
269.00	268.88	7.00	1.50	7.2	12.1	2.2	24.2
270.00	269.88	7.04	1.52	7.2	12.1	2.2	22.4
271.00	270.88	7.07	1.53	7.2	12.2	2.2	22.4
272.00	271.88	7.11	1.55	7.3	12.2	2.2	22.4
273.00	272.88	7.15	1.56	7.3	12.3	2.2	23.4
274.00	273.88	7.18	1.58	7.4	12.3	2.2	23.4
275.00	274.88	7.22	1.59	7.4	12.4	2.2	24.2
276.00	275.88	7.25	1.60	7.4	12.5	2.2	21.2
277.00	276.87	7.29	1.62	7.5	12.5	2.2	22.5
278.00	277.87	7.32	1.63	7.5	12.6	2.2	22.5
279.00	278.87	7.36	1.65	7.6	12.6	2.2	23.2
280.00	279.87	7.40	1.66	7.6	12.7	2.3	23.2
281.00	280.87	7.43	1.68	7.6	12.7	2.3	23.2
282.00	281.87	7.47	1.70	7.7	12.8	2.3	24.0
283.00	282.87	7.50	1.71	7.7	12.9	2.2	24.8
284.00	283.87	7.54	1.73	7.7	12.9	2.2	24.1
285.00	284.87	7.57	1.74	7.8	13.0	2.2	25.8
286.00	285.87	7.61	1.76	7.8	13.0	2.2	25.1
287.00	286.87	7.64	1.78	7.9	13.1	2.2	25.6
288.00	287.87	7.68	1.79	7.9	13.2	2.2	24.1
289.00	288.87	7.71	1.81	7.9	13.2	2.3	25.8
290.00	289.87	7.74	1.83	8.0	13.3	2.2	25.3
291.00	290.86	7.78	1.84	8.0	13.4	2.2	25.5
292.00	291.86	7.81	1.86	8.0	13.4	2.2	25.5
293.00	292.86	7.85	1.88	8.1	13.5	2.2	25.3
294.00	293.86	7.88	1.89	8.1	13.5	2.2	24.3
295.00	294.86	7.92	1.91	8.2	13.6	2.2	25.2
296.00	295.86	7.95	1.92	8.2	13.6	2.2	21.7
297.00	296.86	7.99	1.94	8.2	13.7	2.2	24.6
298.00	297.86	8.02	1.96	8.3	13.7	2.1	24.6
299.00	298.86	8.05	1.97	8.3	13.8	2.1	24.6
300.00	299.86	8.09	1.99	8.3	13.8	2.2	30.1
301.00	300.86	8.12	2.01	8.4	13.9	2.2	30.1
302.00	301.86	8.15	2.03	8.4	14.0	2.2	27.8
303.00	302.86	8.18	2.04	8.5	14.0	2.2	28.0
304.00	303.86	8.22	2.06	8.5	14.1	2.2	26.0
305.00	304.85	8.24	2.07	8.5	14.1	2.2	20.3
306.00	305.85	8.26	2.08	8.5	14.1	1.4	18.4
306.12	305.97	8.26	2.08	8.5	14.1	1.4	18.4