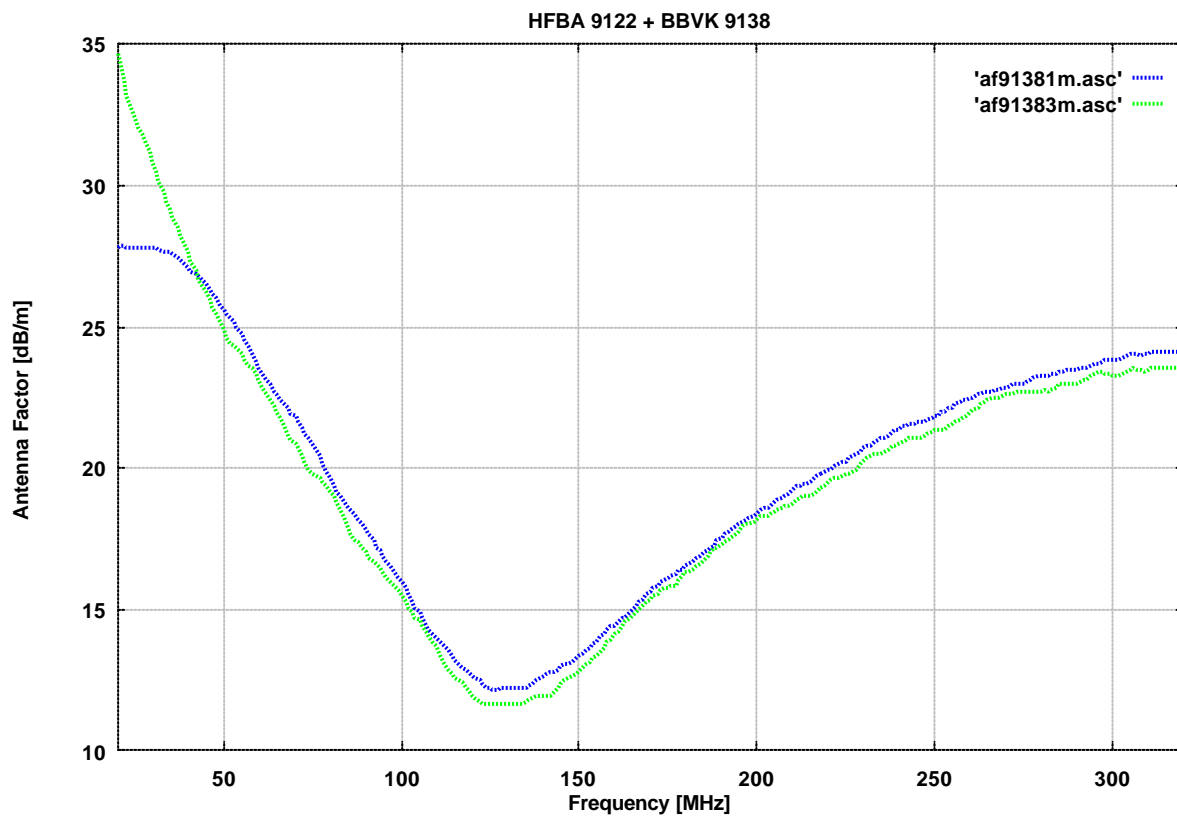
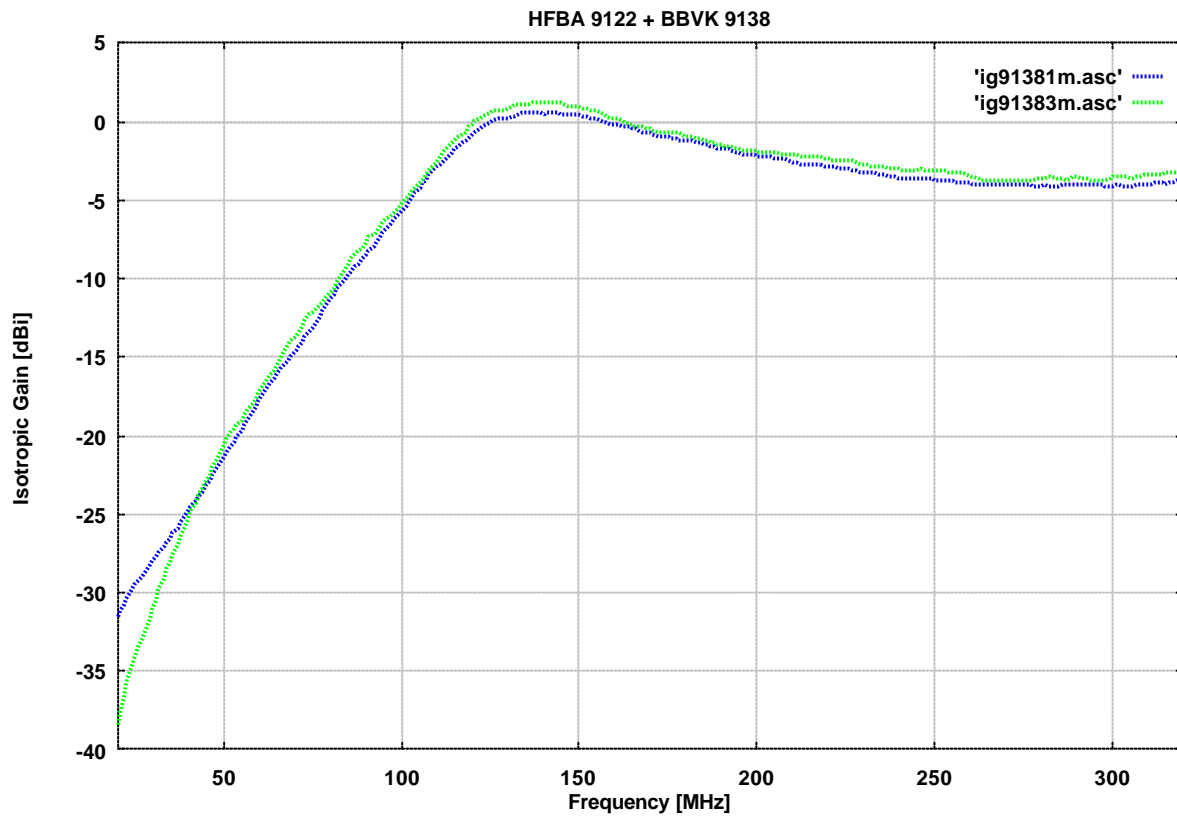


SCHWARZBECK MESS - ELEKTRONIK

An der Klinge 29 D-69250 Schönau Tel.: 06228/1001 Fax.: (49)6228/1003

Kalibrierdaten HFBA 9122 mit BBVK 9138 Bikonuselementen *Calibration Data HFBA 9122 with BBVK 9138 Biconical Elements*



HFBA 9122 + BBVK 9138 Element-Gesamtlänge: / *Total Element Length: 0.72 m*

SCHWARZBECK MESS - ELEKTRONIK

An der Klinge 29 D-69250 Schönau Tel.: 06228/1001 Fax.: (49)6228/1003

Kalibrierdaten HFBA 9122 mit BBVK 9138 Bikonuselementen *Calibration Data HFBA 9122 with BBVK 9138 Biconical Elements*

Frequency	Gain(Isotr.) 1 m	Ant.-Factor 1 m	Gain(Isotr.) 3 m	Ant.-Factor 3 m
MHz	dBi	dB/m	dBi	dB/m
20.00	-31.53	27.77	-38.44	34.68
21.00	-31.21	27.87	-37.73	34.39
22.00	-30.78	27.85	-36.65	33.71
23.00	-30.35	27.81	-35.78	33.23
24.00	-29.97	27.80	-34.98	32.81
25.00	-29.62	27.80	-34.28	32.46
26.00	-29.30	27.82	-33.54	32.06
27.00	-28.97	27.82	-32.95	31.80
28.00	-28.64	27.81	-32.32	31.49
29.00	-28.31	27.78	-31.69	31.16
30.00	-28.01	27.78	-31.05	30.81
31.00	-27.73	27.78	-30.45	30.49
32.00	-27.44	27.76	-29.83	30.15
33.00	-27.12	27.71	-29.18	29.77
34.00	-26.81	27.66	-28.59	29.44
35.00	-26.51	27.61	-28.06	29.16
36.00	-26.21	27.55	-27.50	28.85
37.00	-25.89	27.47	-26.95	28.53
38.00	-25.54	27.36	-26.39	28.21
39.00	-25.18	27.22	-25.87	27.92
40.00	-24.83	27.09	-25.35	27.61
41.00	-24.50	26.97	-24.81	27.29
42.00	-24.20	26.88	-24.30	26.99
43.00	-23.89	26.78	-23.80	26.69
44.00	-23.57	26.66	-23.36	26.45
45.00	-23.20	26.49	-22.91	26.20
46.00	-22.83	26.30	-22.46	25.94
47.00	-22.47	26.13	-22.01	25.67
48.00	-22.12	25.97	-21.59	25.44
49.00	-21.77	25.79	-21.15	25.18
50.00	-21.41	25.61	-20.67	24.87
51.00	-21.07	25.44	-20.22	24.59
52.00	-20.75	25.29	-19.87	24.41
53.00	-20.45	25.16	-19.62	24.33
54.00	-20.10	24.96	-19.36	24.23
55.00	-19.73	24.75	-18.99	24.02
56.00	-19.33	24.52	-18.60	23.79
57.00	-18.94	24.28	-18.29	23.63
58.00	-18.53	24.01	-18.02	23.51
59.00	-18.13	23.77	-17.73	23.36
60.00	-17.76	23.54	-17.33	23.11
61.00	-17.40	23.32	-16.92	22.85
62.00	-17.04	23.10	-16.51	22.58
63.00	-16.71	22.92	-16.15	22.36
64.00	-16.40	22.75	-15.85	22.19
65.00	-16.11	22.59	-15.54	22.02
66.00	-15.82	22.43	-15.15	21.77
67.00	-15.52	22.27	-14.71	21.45
68.00	-15.25	22.12	-14.30	21.17
69.00	-14.96	21.95	-14.00	21.00

HFBA 9122 + BBVK 9138 Element-Gesamtlänge: / *Total Element Length:* 0.72 m

SCHWARZBECK MESS - ELEKTRONIK

An der Klinge 29 D-69250 Schönau Tel.: 06228/1001 Fax.: (49)6228/1003

Kalibrierdaten HFBA 9122 mit BBVK 9138 Bikonuselementen *Calibration Data HFBA 9122 with BBVK 9138 Biconical Elements*

Frequency	Gain(Isotr.) 1 m	Ant.-Factor 1 m	Gain(Isotr.) 3 m	Ant.-Factor 3 m
MHz	dBm	dB/m	dBm	dB/m
70.00	-14.69	21.81	-13.72	20.84
71.00	-14.39	21.63	-13.42	20.67
72.00	-14.07	21.43	-13.06	20.42
73.00	-13.74	21.22	-12.70	20.19
74.00	-13.44	21.05	-12.35	19.96
75.00	-13.15	20.87	-12.10	19.82
76.00	-12.82	20.66	-11.90	19.73
77.00	-12.45	20.40	-11.71	19.66
78.00	-12.04	20.10	-11.47	19.53
79.00	-11.66	19.83	-11.19	19.37
80.00	-11.31	19.59	-10.91	19.19
81.00	-11.00	19.39	-10.61	19.00
82.00	-10.69	19.19	-10.29	18.79
83.00	-10.38	18.98	-9.92	18.52
84.00	-10.08	18.79	-9.50	18.21
85.00	-9.82	18.63	-9.09	17.90
86.00	-9.59	18.50	-8.72	17.63
87.00	-9.33	18.35	-8.45	17.46
88.00	-9.06	18.17	-8.24	17.35
89.00	-8.77	17.97	-8.03	17.23
90.00	-8.51	17.81	-7.70	17.01
91.00	-8.23	17.63	-7.41	16.81
92.00	-7.95	17.45	-7.17	16.67
93.00	-7.64	17.23	-7.01	16.60
94.00	-7.38	17.06	-6.77	16.45
95.00	-7.10	16.87	-6.50	16.28
96.00	-6.83	16.69	-6.24	16.11
97.00	-6.53	16.49	-6.02	15.97
98.00	-6.26	16.30	-5.80	15.84
99.00	-5.98	16.11	-5.53	15.66
100.00	-5.71	15.93	-5.24	15.46
101.00	-5.43	15.73	-4.94	15.25
102.00	-5.13	15.52	-4.68	15.07
103.00	-4.82	15.29	-4.43	14.90
104.00	-4.51	15.07	-4.18	14.74
105.00	-4.23	14.87	-3.93	14.58
106.00	-3.94	14.67	-3.65	14.38
107.00	-3.66	14.46	-3.38	14.19
108.00	-3.37	14.26	-3.14	14.03
109.00	-3.13	14.10	-2.91	13.88
110.00	-2.93	13.97	-2.63	13.67
111.00	-2.73	13.85	-2.26	13.39
112.00	-2.49	13.69	-1.89	13.10
113.00	-2.23	13.52	-1.58	12.86
114.00	-1.99	13.35	-1.33	12.68
115.00	-1.74	13.17	-1.14	12.58
116.00	-1.52	13.03	-0.97	12.48
117.00	-1.34	12.92	-0.81	12.39
118.00	-1.19	12.85	-0.60	12.26
119.00	-1.02	12.75	-0.36	12.10
120.00	-0.83	12.64	-0.13	11.94
121.00	-0.66	12.54	0.07	11.81

HFBA 9122 + BBVK 9138 Element-Gesamtlänge: / *Total Element Length:* 0.72 m

SCHWARZBECK MESS - ELEKTRONIK

An der Klinge 29 D-69250 Schönau Tel.: 06228/1001 Fax.: (49)6228/1003

Kalibrierdaten HFBA 9122 mit BBVK 9138 Bikonuselementen Calibration Data HFBA 9122 with BBVK 9138 Biconical Elements

Frequency	Gain(Isotr.) 1 m	Ant.-Factor 1 m	Gain(Isotr.) 3 m	Ant.-Factor 3 m
MHz	dB	dB/m	dB	dB/m
122.00	-0.50	12.45	0.22	11.72
123.00	-0.33	12.35	0.34	11.68
124.00	-0.16	12.25	0.45	11.64
125.00	-0.02	12.18	0.55	11.61
126.00	0.08	12.15	0.64	11.59
127.00	0.15	12.15	0.69	11.61
128.00	0.20	12.17	0.72	11.65
129.00	0.23	12.20	0.78	11.65
130.00	0.28	12.22	0.87	11.63
131.00	0.34	12.23	0.95	11.61
132.00	0.40	12.23	1.01	11.62
133.00	0.46	12.23	1.04	11.66
134.00	0.53	12.24	1.07	11.69
135.00	0.58	12.25	1.10	11.73
136.00	0.60	12.29	1.11	11.78
137.00	0.59	12.36	1.13	11.83
138.00	0.56	12.45	1.13	11.88
139.00	0.53	12.55	1.15	11.93
140.00	0.50	12.64	1.20	11.94
141.00	0.52	12.69	1.26	11.95
142.00	0.53	12.73	1.29	11.98
143.00	0.55	12.77	1.28	12.05
144.00	0.53	12.85	1.20	12.19
145.00	0.51	12.94	1.12	12.33
146.00	0.49	13.02	1.05	12.46
147.00	0.48	13.08	1.00	12.56
148.00	0.48	13.14	1.00	12.62
149.00	0.46	13.23	0.98	12.70
150.00	0.42	13.32	0.94	12.80
151.00	0.38	13.42	0.87	12.92
152.00	0.34	13.52	0.82	13.04
153.00	0.29	13.62	0.77	13.15
154.00	0.22	13.75	0.72	13.25
155.00	0.15	13.87	0.67	13.36
156.00	0.06	14.02	0.59	13.49
157.00	-0.01	14.15	0.51	13.63
158.00	-0.08	14.27	0.39	13.80
159.00	-0.11	14.36	0.31	13.93
160.00	-0.15	14.45	0.20	14.10
161.00	-0.18	14.54	0.12	14.24
162.00	-0.23	14.64	0.03	14.38
163.00	-0.29	14.75	-0.06	14.52
164.00	-0.36	14.87	-0.14	14.66
165.00	-0.43	15.00	-0.20	14.77
166.00	-0.50	15.13	-0.26	14.88
167.00	-0.57	15.24	-0.32	14.99
168.00	-0.64	15.37	-0.36	15.09
169.00	-0.72	15.49	-0.42	15.20
170.00	-0.79	15.62	-0.51	15.34
171.00	-0.86	15.74	-0.57	15.45
172.00	-0.92	15.85	-0.62	15.55
173.00	-0.95	15.93	-0.67	15.65

HFBA 9122 + BBVK 9138 Element-Gesamtlänge: / Total Element Length: 0.72 m

SCHWARZBECK MESS - ELEKTRONIK

An der Klinge 29 D-69250 Schönau Tel.: 06228/1001 Fax.: (49)6228/1003

Kalibrierdaten HFBA 9122 mit BBVK 9138 Bikonuselementen Calibration Data HFBA 9122 with BBVK 9138 Biconical Elements

Frequency	Gain(Isotr.) 1 m	Ant.-Factor 1 m	Gain(Isotr.) 3 m	Ant.-Factor 3 m
MHz	dB	dB/m	dB	dB/m
174.00	-0.97	16.00	-0.68	15.71
175.00	-0.99	16.07	-0.65	15.73
176.00	-1.03	16.16	-0.63	15.76
177.00	-1.07	16.25	-0.67	15.85
178.00	-1.12	16.34	-0.78	16.01
179.00	-1.15	16.42	-0.89	16.17
180.00	-1.17	16.50	-0.95	16.27
181.00	-1.20	16.57	-0.95	16.32
182.00	-1.25	16.67	-0.96	16.38
183.00	-1.32	16.79	-1.03	16.50
184.00	-1.39	16.91	-1.10	16.62
185.00	-1.45	17.01	-1.17	16.73
186.00	-1.49	17.10	-1.25	16.86
187.00	-1.52	17.17	-1.34	17.00
188.00	-1.58	17.28	-1.41	17.11
189.00	-1.67	17.42	-1.46	17.20
190.00	-1.74	17.54	-1.50	17.30
191.00	-1.78	17.62	-1.55	17.39
192.00	-1.82	17.71	-1.57	17.46
193.00	-1.89	17.82	-1.60	17.53
194.00	-1.96	17.94	-1.68	17.65
195.00	-2.02	18.04	-1.76	17.78
196.00	-2.05	18.12	-1.84	17.91
197.00	-2.06	18.17	-1.87	17.98
198.00	-2.08	18.23	-1.90	18.05
199.00	-2.10	18.30	-1.91	18.11
200.00	-2.15	18.39	-1.94	18.18
201.00	-2.18	18.47	-1.98	18.26
202.00	-2.20	18.53	-1.98	18.31
203.00	-2.22	18.59	-1.96	18.33
204.00	-2.26	18.68	-1.97	18.38
205.00	-2.32	18.78	-1.99	18.44
206.00	-2.37	18.87	-2.02	18.52
207.00	-2.39	18.93	-2.06	18.60
208.00	-2.42	19.00	-2.08	18.66
209.00	-2.46	19.09	-2.07	18.69
210.00	-2.55	19.21	-2.05	18.72
211.00	-2.61	19.32	-2.11	18.82
212.00	-2.64	19.39	-2.20	18.94
213.00	-2.64	19.43	-2.23	19.01
214.00	-2.64	19.46	-2.19	19.02
215.00	-2.66	19.53	-2.16	19.03
216.00	-2.71	19.62	-2.18	19.09
217.00	-2.77	19.72	-2.22	19.17
218.00	-2.82	19.81	-2.27	19.26
219.00	-2.84	19.87	-2.34	19.37
220.00	-2.84	19.91	-2.41	19.48
221.00	-2.87	19.98	-2.44	19.55
222.00	-2.92	20.06	-2.45	19.60
223.00	-2.95	20.14	-2.48	19.66
224.00	-2.97	20.20	-2.51	19.74
225.00	-2.99	20.25	-2.51	19.78

HFBA 9122 + BBVK 9138 Element-Gesamtlänge: / Total Element Length: 0.72 m

SCHWARZBECK MESS - ELEKTRONIK

An der Klinge 29 D-69250 Schönau Tel.: 06228/1001 Fax.: (49)6228/1003

Kalibrierdaten HFBA 9122 mit BBVK 9138 Bikonuselementen *Calibration Data HFBA 9122 with BBVK 9138 Biconical Elements*

Frequency	Gain(Isotr.) 1 m	Ant.-Factor 1 m	Gain(Isotr.) 3 m	Ant.-Factor 3 m
MHz	dB	dB/m	dB	dB/m
226.00	-3.02	20.32	-2.51	19.81
227.00	-3.06	20.40	-2.53	19.87
228.00	-3.11	20.49	-2.60	19.98
229.00	-3.17	20.59	-2.69	20.11
230.00	-3.21	20.67	-2.77	20.22
231.00	-3.24	20.74	-2.82	20.32
232.00	-3.27	20.80	-2.88	20.41
233.00	-3.33	20.90	-2.92	20.48
234.00	-3.39	20.99	-2.90	20.51
235.00	-3.42	21.06	-2.87	20.51
236.00	-3.43	21.11	-2.88	20.56
237.00	-3.45	21.16	-2.95	20.66
238.00	-3.50	21.25	-2.98	20.73
239.00	-3.54	21.33	-3.00	20.78
240.00	-3.58	21.40	-3.00	20.83
241.00	-3.60	21.46	-3.04	20.90
242.00	-3.60	21.49	-3.06	20.96
243.00	-3.58	21.52	-3.08	21.01
244.00	-3.58	21.54	-3.06	21.03
245.00	-3.58	21.58	-3.04	21.04
246.00	-3.57	21.60	-3.03	21.07
247.00	-3.57	21.64	-3.07	21.14
248.00	-3.60	21.71	-3.11	21.22
249.00	-3.63	21.78	-3.14	21.28
250.00	-3.66	21.84	-3.13	21.31
251.00	-3.69	21.91	-3.09	21.31
252.00	-3.71	21.96	-3.07	21.32
253.00	-3.74	22.02	-3.09	21.37
254.00	-3.77	22.09	-3.16	21.47
255.00	-3.82	22.17	-3.21	21.56
256.00	-3.88	22.26	-3.26	21.64
257.00	-3.91	22.33	-3.28	21.70
258.00	-3.93	22.39	-3.33	21.78
259.00	-3.94	22.42	-3.37	21.85
260.00	-3.95	22.47	-3.44	21.96
261.00	-3.97	22.53	-3.51	22.07
262.00	-4.02	22.61	-3.59	22.18
263.00	-4.02	22.64	-3.65	22.26
264.00	-4.00	22.66	-3.68	22.33
265.00	-4.00	22.68	-3.72	22.40
266.00	-4.01	22.73	-3.75	22.47
267.00	-4.02	22.77	-3.76	22.51
268.00	-4.01	22.79	-3.75	22.53
269.00	-3.99	22.81	-3.74	22.56
270.00	-4.00	22.85	-3.74	22.59
271.00	-4.00	22.88	-3.74	22.62
272.00	-4.02	22.93	-3.73	22.64
273.00	-4.02	22.97	-3.71	22.66
274.00	-4.03	23.00	-3.70	22.67
275.00	-4.03	23.04	-3.68	22.68
276.00	-4.04	23.08	-3.69	22.72
277.00	-4.06	23.13	-3.67	22.74

HFBA 9122 + BBVK 9138 Element-Gesamtlänge: / Total Element Length: 0.72 m

SCHWARZBECK MESS - ELEKTRONIK

An der Klinge 29 D-69250 Schönau Tel.: 06228/1001 Fax.: (49)6228/1003

Kalibrierdaten HFBA 9122 mit BBVK 9138 Bikonuselementen *Calibration Data HFBA 9122 with BBVK 9138 Biconical Elements*

Frequency	Gain(Isotr.) 1 m	Ant.-Factor 1 m	Gain(Isotr.) 3 m	Ant.-Factor 3 m
MHz	dB	dB/m	dB	dB/m
278.00	-4.08	23.18	-3.64	22.74
279.00	-4.09	23.23	-3.61	22.74
280.00	-4.08	23.24	-3.59	22.75
281.00	-4.06	23.26	-3.57	22.76
282.00	-4.07	23.29	-3.53	22.75
283.00	-4.08	23.34	-3.54	22.79
284.00	-4.09	23.37	-3.57	22.86
285.00	-4.07	23.38	-3.61	22.93
286.00	-4.06	23.40	-3.63	22.98
287.00	-4.05	23.43	-3.64	23.01
288.00	-4.03	23.43	-3.60	23.01
289.00	-4.00	23.44	-3.55	22.99
290.00	-4.00	23.47	-3.54	23.01
291.00	-4.02	23.52	-3.56	23.06
292.00	-4.02	23.55	-3.57	23.09
293.00	-4.03	23.59	-3.60	23.15
294.00	-4.04	23.63	-3.67	23.25
295.00	-4.04	23.66	-3.73	23.35
296.00	-4.02	23.67	-3.74	23.38
297.00	-4.04	23.72	-3.70	23.38
298.00	-4.09	23.79	-3.65	23.35
299.00	-4.12	23.85	-3.58	23.32
300.00	-4.10	23.86	-3.53	23.29
301.00	-4.06	23.85	-3.50	23.29
302.00	-4.04	23.86	-3.48	23.30
303.00	-4.07	23.92	-3.50	23.35
304.00	-4.12	23.99	-3.54	23.42
305.00	-4.13	24.03	-3.58	23.48
306.00	-4.09	24.02	-3.56	23.50
307.00	-4.04	24.00	-3.50	23.46
308.00	-4.00	23.99	-3.44	23.43
309.00	-3.99	24.00	-3.41	23.42
310.00	-3.98	24.03	-3.40	23.45
311.00	-3.97	24.05	-3.41	23.49
312.00	-3.95	24.06	-3.42	23.52
313.00	-3.94	24.07	-3.40	23.53
314.00	-3.95	24.11	-3.35	23.51
315.00	-3.96	24.14	-3.31	23.49
316.00	-3.93	24.14	-3.29	23.50
317.00	-3.88	24.12	-3.27	23.51
318.00	-3.83	24.10	-3.25	23.52
319.00	-3.81	24.11	-3.24	23.54
320.00	-3.80	24.12	-3.24	23.57