

**Załącznik 4 - Zestawienie różnic rzędnych niwelety toru nr 2
projektowanego i istniejącego**

Lp.	Pikieta	Rzędna istniejąca	Rzędna projektowana	Różnica rzędnych
1	310+840,300	78,192m	78,190m	0,002m
2	310+850,000	78,173m	78,177m	-0,003m
3	310+860,000	78,159m	78,164m	-0,004m
4	310+870,000	78,149m	78,150m	-0,002m
5	310+880,000	78,138m	78,137m	0,001m
6	310+890,000	78,127m	78,124m	0,003m
7	310+900,000	78,116m	78,111m	0,005m
8	310+910,000	78,105m	78,097m	0,007m
9	310+920,000	78,094m	78,084m	0,009m
10	310+930,000	78,082m	78,071m	0,011m
11	310+940,000	78,071m	78,058m	0,013m
12	310+950,000	78,060m	78,045m	0,015m
13	310+960,000	78,044m	78,031m	0,012m
14	310+970,000	78,028m	78,018m	0,010m
15	310+980,000	78,011m	78,005m	0,007m
16	310+990,000	77,995m	77,992m	0,004m
17	311+000,000	77,979m	77,978m	0,001m
18	311+010,000	77,964m	77,965m	-0,002m
19	311+020,000	77,948m	77,952m	-0,004m
20	311+030,000	77,933m	77,939m	-0,006m
21	311+040,000	77,917m	77,925m	-0,008m
22	311+050,000	77,902m	77,912m	-0,010m
23	311+060,000	77,885m	77,899m	-0,014m
24	311+070,000	77,873m	77,886m	-0,013m
25	311+080,000	77,860m	77,873m	-0,012m
26	311+090,000	77,844m	77,859m	-0,016m
27	311+100,000	77,827m	77,846m	-0,019m
28	311+110,000	77,808m	77,833m	-0,024m
29	311+120,000	77,790m	77,820m	-0,030m
30	311+130,000	77,778m	77,806m	-0,029m
31	311+140,000	77,765m	77,793m	-0,028m
32	311+150,000	77,753m	77,780m	-0,027m
33	311+160,000	77,752m	77,779m	-0,027m
34	311+170,000	77,751m	77,778m	-0,027m
35	311+180,000	77,751m	77,778m	-0,027m
36	311+190,000	77,750m	77,777m	-0,027m
37	311+200,000	77,749m	77,776m	-0,027m
38	311+210,000	77,748m	77,775m	-0,027m
39	311+220,000	77,748m	77,774m	-0,027m
40	311+230,000	77,747m	77,774m	-0,026m
41	311+240,000	77,747m	77,773m	-0,026m
42	311+250,000	77,746m	77,772m	-0,026m
43	311+260,000	77,742m	77,771m	-0,030m
44	311+270,000	77,737m	77,770m	-0,033m
45	311+280,000	77,733m	77,770m	-0,037m
46	311+290,000	77,728m	77,769m	-0,040m

47	311+300,000	77,724m	77,768m	-0,044m
48	311+310,000	77,723m	77,767m	-0,045m
49	311+320,000	77,721m	77,766m	-0,045m
50	311+330,000	77,720m	77,766m	-0,046m
51	311+340,000	77,718m	77,765m	-0,046m
52	311+350,000	77,717m	77,764m	-0,047m
53	311+360,000	77,724m	77,763m	-0,039m
54	311+370,000	77,732m	77,762m	-0,031m
55	311+380,000	77,739m	77,762m	-0,022m
56	311+390,000	77,747m	77,761m	-0,014m
57	311+400,000	77,754m	77,760m	-0,006m
58	311+410,000	77,765m	77,776m	-0,011m
59	311+420,000	77,775m	77,791m	-0,016m
60	311+430,000	77,786m	77,807m	-0,021m
61	311+440,000	77,796m	77,823m	-0,026m
62	311+450,000	77,807m	77,839m	-0,032m
63	311+460,000	77,823m	77,854m	-0,031m
64	311+470,000	77,839m	77,870m	-0,031m
65	311+480,000	77,855m	77,886m	-0,031m
66	311+490,000	77,871m	77,901m	-0,030m
67	311+500,000	77,887m	77,917m	-0,030m
68	311+510,000	77,908m	77,933m	-0,025m
69	311+520,000	77,929m	77,949m	-0,019m
70	311+530,000	77,951m	77,964m	-0,014m
71	311+540,000	77,972m	77,980m	-0,008m
72	311+550,000	77,993m	77,996m	-0,003m
73	311+560,000	78,008m	78,011m	-0,003m
74	311+570,000	78,023m	78,027m	-0,004m
75	311+580,000	78,038m	78,043m	-0,005m
76	311+590,000	78,053m	78,059m	-0,005m
77	311+600,000	78,068m	78,074m	-0,006m
78	311+610,000	78,083m	78,090m	-0,007m
79	311+620,000	78,097m	78,106m	-0,008m
80	311+630,000	78,112m	78,121m	-0,010m
81	311+640,000	78,126m	78,137m	-0,011m
82	311+650,000	78,141m	78,153m	-0,012m
83	311+660,000	78,155m	78,169m	-0,013m
84	311+670,000	78,169m	78,184m	-0,015m
85	311+680,000	78,184m	78,200m	-0,016m
86	311+690,000	78,198m	78,216m	-0,018m
87	311+700,000	78,212m	78,231m	-0,019m
88	311+710,000	78,229m	78,247m	-0,018m
89	311+720,000	78,246m	78,263m	-0,017m
90	311+730,000	78,262m	78,279m	-0,016m
91	311+740,000	78,279m	78,294m	-0,015m
92	311+750,000	78,296m	78,310m	-0,014m
93	311+760,000	78,313m	78,326m	-0,013m
94	311+770,000	78,330m	78,341m	-0,012m
95	311+780,000	78,346m	78,357m	-0,011m
96	311+787,030	78,358m	78,368m	-0,010m

97	311+790,000	78,363m	78,373m	-0,010m
98	311+800,000	78,380m	78,393m	-0,013m
99	311+810,000	78,403m	78,417m	-0,015m
100	311+820,000	78,431m	78,447m	-0,016m
101	311+830,000	78,459m	78,482m	-0,023m
102	311+840,000	78,494m	78,522m	-0,028m
103	311+850,000	78,539m	78,566m	-0,027m
104	311+852,969	78,554m	78,581m	-0,026m
105	311+860,000	78,590m	78,615m	-0,024m
106	311+870,000	78,642m	78,663m	-0,022m
107	311+880,000	78,693m	78,712m	-0,019m
108	311+890,000	78,745m	78,761m	-0,016m
109	311+900,000	78,796m	78,809m	-0,013m
110	311+910,000	78,841m	78,858m	-0,017m
111	311+920,000	78,887m	78,907m	-0,020m
112	311+930,000	78,932m	78,956m	-0,024m
113	311+940,000	78,977m	79,004m	-0,027m
114	311+950,000	79,022m	79,053m	-0,031m
115	311+960,000	79,070m	79,102m	-0,031m
116	311+970,000	79,118m	79,150m	-0,032m
117	311+980,000	79,166m	79,199m	-0,033m
118	311+990,000	79,214m	79,248m	-0,034m
119	312+000,000	79,262m	79,296m	-0,034m
120	312+010,000	79,315m	79,345m	-0,030m
121	312+020,000	79,369m	79,394m	-0,025m
122	312+030,000	79,422m	79,442m	-0,020m
123	312+033,358	79,440m	79,459m	-0,018m
124	312+040,000	79,476m	79,491m	-0,015m
125	312+050,000	79,529m	79,540m	-0,011m
126	312+060,000	79,580m	79,588m	-0,009m
127	312+066,078	79,610m	79,618m	-0,008m
128	312+070,000	79,630m	79,637m	-0,007m
129	312+080,000	79,680m	79,686m	-0,005m
130	312+090,000	79,731m	79,734m	-0,004m
131	312+098,799	79,775m	79,777m	-0,002m
132	312+100,000	79,781m	79,783m	-0,002m
133	312+110,000	79,829m	79,832m	-0,003m
134	312+120,000	79,877m	79,881m	-0,004m
135	312+130,000	79,925m	79,929m	-0,005m
136	312+140,000	79,973m	79,978m	-0,005m
137	312+150,000	80,020m	80,027m	-0,006m
138	312+160,000	80,069m	80,075m	-0,006m
139	312+170,000	80,117m	80,124m	-0,007m
140	312+180,000	80,166m	80,173m	-0,007m
141	312+190,000	80,214m	80,221m	-0,007m
142	312+200,000	80,263m	80,270m	-0,007m
143	312+210,000	80,318m	80,321m	-0,003m
144	312+220,000	80,374m	80,372m	0,002m
145	312+230,000	80,430m	80,424m	0,006m
146	312+240,000	80,485m	80,475m	0,011m

147	312+250,000	80,541m	80,526m	0,015m
148	312+260,000	80,594m	80,577m	0,017m
149	312+270,000	80,639m	80,628m	0,011m
150	312+280,000	80,680m	80,680m	0,000m
151	312+290,000	80,724m	80,731m	-0,007m
152	312+300,000	80,768m	80,782m	-0,014m
153	312+310,000	80,819m	80,833m	-0,015m
154	312+320,000	80,869m	80,885m	-0,015m
155	312+330,000	80,920m	80,936m	-0,016m
156	312+340,000	80,970m	80,987m	-0,017m
157	312+350,000	81,021m	81,038m	-0,017m
158	312+360,000	81,072m	81,089m	-0,017m
159	312+370,000	81,123m	81,141m	-0,017m
160	312+380,000	81,175m	81,192m	-0,017m
161	312+390,000	81,226m	81,243m	-0,017m
162	312+400,000	81,277m	81,294m	-0,017m
163	312+410,000	81,329m	81,345m	-0,017m
164	312+420,000	81,380m	81,397m	-0,016m
165	312+430,000	81,432m	81,448m	-0,016m
166	312+440,000	81,484m	81,499m	-0,015m
167	312+450,000	81,535m	81,550m	-0,015m
168	312+460,000	81,589m	81,602m	-0,013m
169	312+470,000	81,642m	81,653m	-0,010m
170	312+480,000	81,696m	81,704m	-0,008m
171	312+490,000	81,749m	81,755m	-0,006m
172	312+500,000	81,803m	81,806m	-0,003m
173	312+510,000	81,855m	81,858m	-0,002m
174	312+520,000	81,907m	81,909m	-0,001m
175	312+530,000	81,960m	81,960m	-0,000m
176	312+540,000	82,012m	82,011m	0,001m
177	312+550,000	82,064m	82,062m	0,002m
178	312+560,000	82,116m	82,114m	0,003m
179	312+570,000	82,168m	82,165m	0,003m
180	312+580,000	82,220m	82,216m	0,004m
181	312+590,000	82,272m	82,267m	0,005m
182	312+600,000	82,324m	82,318m	0,006m
183	312+610,000	82,377m	82,370m	0,007m
184	312+620,000	82,429m	82,421m	0,008m
185	312+630,000	82,481m	82,472m	0,009m
186	312+640,000	82,533m	82,523m	0,010m
187	312+650,000	82,585m	82,575m	0,011m
188	312+660,000	82,639m	82,626m	0,013m
189	312+670,000	82,693m	82,677m	0,016m
190	312+680,000	82,747m	82,728m	0,018m
191	312+690,000	82,800m	82,779m	0,021m
192	312+700,000	82,854m	82,831m	0,023m
193	312+710,000	82,904m	82,882m	0,023m
194	312+720,000	82,955m	82,933m	0,022m
195	312+730,000	83,005m	82,984m	0,021m
196	312+740,000	83,056m	83,035m	0,020m

197	312+743,585	83,074m	83,054m	0,020m
198	312+750,000	83,106m	83,087m	0,019m
199	312+760,000	83,157m	83,138m	0,019m
200	312+770,000	83,208m	83,189m	0,019m
201	312+776,124	83,240m	83,220m	0,020m
202	312+780,000	83,260m	83,240m	0,020m
203	312+790,000	83,312m	83,292m	0,020m
204	312+800,000	83,363m	83,343m	0,021m
205	312+808,662	83,399m	83,387m	0,011m
206	312+810,000	83,404m	83,394m	0,010m
207	312+820,000	83,445m	83,445m	-0,001m
208	312+830,000	83,485m	83,496m	-0,011m
209	312+832,584	83,496m	83,510m	-0,014m
210	312+840,000	83,523m	83,545m	-0,022m
211	312+850,000	83,555m	83,586m	-0,031m
212	312+860,000	83,578m	83,619m	-0,041m
213	312+870,000	83,601m	83,643m	-0,042m
214	312+880,000	83,624m	83,659m	-0,034m
215	312+887,417	83,639m	83,665m	-0,026m
216	312+890,000	83,643m	83,667m	-0,023m
217	312+900,000	83,660m	83,672m	-0,012m
218	312+910,000	83,673m	83,678m	-0,005m
219	312+920,000	83,685m	83,683m	0,002m
220	312+930,000	83,698m	83,689m	0,009m
221	312+940,000	83,710m	83,694m	0,016m
222	312+950,000	83,723m	83,700m	0,023m
223	312+960,000	83,731m	83,705m	0,026m
224	312+970,000	83,740m	83,711m	0,029m
225	312+980,000	83,748m	83,716m	0,032m
226	312+990,000	83,757m	83,722m	0,035m
227	313+000,000	83,765m	83,727m	0,038m
228	313+010,000	83,770m	83,733m	0,038m
229	313+020,000	83,776m	83,738m	0,038m
230	313+030,000	83,781m	83,744m	0,037m
231	313+040,000	83,787m	83,749m	0,037m
232	313+050,000	83,792m	83,755m	0,037m
233	313+060,000	83,795m	83,760m	0,034m
234	313+070,000	83,797m	83,766m	0,032m
235	313+080,000	83,800m	83,771m	0,029m
236	313+090,000	83,803m	83,777m	0,026m
237	313+095,352	83,804m	83,780m	0,024m
238	313+100,000	83,807m	83,782m	0,024m
239	313+110,000	83,815m	83,788m	0,028m
240	313+120,000	83,824m	83,793m	0,031m
241	313+127,750	83,831m	83,798m	0,034m
242	313+130,000	83,833m	83,799m	0,034m
243	313+140,000	83,842m	83,804m	0,038m
244	313+150,000	83,851m	83,810m	0,041m
245	313+160,000	83,856m	83,817m	0,040m
246	313+160,149	83,856m	83,817m	0,040m

247	313+170,000	83,861m	83,823m	0,038m
248	313+180,000	83,867m	83,830m	0,037m
249	313+190,000	83,872m	83,837m	0,035m
250	313+200,000	83,877m	83,843m	0,034m
251	313+210,000	83,883m	83,850m	0,033m
252	313+220,000	83,889m	83,857m	0,032m
253	313+230,000	83,895m	83,863m	0,032m
254	313+240,000	83,901m	83,870m	0,031m
255	313+250,000	83,907m	83,877m	0,030m
256	313+260,000	83,911m	83,883m	0,028m
257	313+270,000	83,915m	83,890m	0,025m
258	313+280,000	83,919m	83,897m	0,022m
259	313+290,000	83,923m	83,903m	0,020m
260	313+300,000	83,927m	83,910m	0,017m
261	313+310,000	83,932m	83,917m	0,016m
262	313+320,000	83,938m	83,923m	0,014m
263	313+330,000	83,943m	83,930m	0,013m
264	313+340,000	83,949m	83,937m	0,012m
265	313+350,000	83,954m	83,943m	0,011m
266	313+360,000	83,961m	83,950m	0,011m
267	313+370,000	83,967m	83,957m	0,011m
268	313+380,000	83,974m	83,963m	0,011m
269	313+390,000	83,980m	83,970m	0,010m
270	313+400,000	83,987m	83,977m	0,010m
271	313+410,000	83,993m	83,983m	0,009m
272	313+420,000	83,998m	83,990m	0,008m
273	313+430,000	84,004m	83,997m	0,007m
274	313+440,000	84,009m	84,003m	0,006m
275	313+450,000	84,015m	84,010m	0,005m
276	313+460,000	84,018m	84,017m	0,002m
277	313+470,000	84,022m	84,023m	-0,002m
278	313+480,000	84,025m	84,030m	-0,005m
279	313+490,000	84,029m	84,037m	-0,008m
280	313+500,000	84,032m	84,043m	-0,011m
281	313+510,000	84,038m	84,050m	-0,012m
282	313+520,000	84,044m	84,057m	-0,013m
283	313+530,000	84,050m	84,063m	-0,013m
284	313+540,000	84,056m	84,070m	-0,014m
285	313+550,000	84,062m	84,077m	-0,015m
286	313+560,000	84,067m	84,083m	-0,017m
287	313+570,000	84,072m	84,090m	-0,018m
288	313+580,000	84,076m	84,097m	-0,020m
289	313+590,000	84,081m	84,103m	-0,022m
290	313+600,000	84,086m	84,110m	-0,024m
291	313+610,000	84,087m	84,111m	-0,023m
292	313+620,000	84,089m	84,111m	-0,022m
293	313+630,000	84,090m	84,112m	-0,021m
294	313+640,000	84,092m	84,112m	-0,020m
295	313+650,000	84,093m	84,113m	-0,019m
296	313+660,000	84,095m	84,113m	-0,018m

297	313+670,000	84,098m	84,114m	-0,016m
298	313+680,000	84,100m	84,114m	-0,014m
299	313+689,292	84,102m	84,114m	-0,012m
300	313+690,000	84,103m	84,115m	-0,012m
301	313+700,000	84,105m	84,115m	-0,010m
302	313+710,000	84,104m	84,116m	-0,012m
303	313+720,000	84,102m	84,116m	-0,014m
304	313+721,643	84,102m	84,116m	-0,014m
305	313+730,000	84,101m	84,117m	-0,016m
306	313+740,000	84,099m	84,117m	-0,018m
307	313+750,000	84,098m	84,118m	-0,019m
308	313+753,994	84,098m	84,118m	-0,019m
309	313+760,000	84,099m	84,118m	-0,019m
310	313+770,000	84,100m	84,119m	-0,018m
311	313+780,000	84,102m	84,119m	-0,017m
312	313+790,000	84,103m	84,120m	-0,017m
313	313+800,000	84,104m	84,120m	-0,016m
314	313+810,000	84,105m	84,121m	-0,016m
315	313+820,000	84,105m	84,121m	-0,016m
316	313+830,000	84,106m	84,122m	-0,016m
317	313+840,000	84,106m	84,122m	-0,016m
318	313+850,000	84,107m	84,123m	-0,015m
319	313+860,000	84,111m	84,123m	-0,012m
320	313+870,000	84,115m	84,124m	-0,009m
321	313+880,000	84,118m	84,124m	-0,006m
322	313+890,000	84,122m	84,125m	-0,002m
323	313+900,000	84,126m	84,125m	0,001m
324	313+910,000	84,126m	84,126m	0,001m
325	313+920,000	84,127m	84,126m	0,001m
326	313+930,000	84,127m	84,127m	0,001m
327	313+940,000	84,128m	84,127m	0,001m
328	313+950,000	84,128m	84,128m	0,001m
329	313+960,000	84,128m	84,128m	0,000m
330	313+970,000	84,128m	84,129m	-0,000m
331	313+980,000	84,129m	84,129m	-0,000m
332	313+990,000	84,129m	84,130m	-0,001m
333	314+000,000	84,129m	84,130m	-0,001m
334	314+010,000	84,127m	84,131m	-0,004m
335	314+020,000	84,125m	84,131m	-0,006m
336	314+030,000	84,123m	84,132m	-0,009m
337	314+040,000	84,121m	84,132m	-0,011m
338	314+050,000	84,119m	84,133m	-0,013m
339	314+060,000	84,120m	84,133m	-0,013m
340	314+070,000	84,122m	84,134m	-0,012m
341	314+080,000	84,123m	84,134m	-0,011m
342	314+090,000	84,125m	84,135m	-0,010m
343	314+100,000	84,126m	84,135m	-0,009m
344	314+110,000	84,127m	84,136m	-0,008m
345	314+120,000	84,128m	84,136m	-0,008m
346	314+130,000	84,129m	84,137m	-0,007m

347	314+140,000	84,130m	84,137m	-0,007m
348	314+150,000	84,131m	84,138m	-0,006m
349	314+160,000	84,133m	84,138m	-0,005m
350	314+170,000	84,135m	84,139m	-0,003m
351	314+180,000	84,138m	84,139m	-0,001m
352	314+190,000	84,140m	84,140m	0,000m
353	314+200,000	84,142m	84,140m	0,002m
354	314+210,000	84,144m	84,142m	0,002m
355	314+220,000	84,145m	84,143m	0,002m
356	314+230,000	84,147m	84,145m	0,002m
357	314+240,000	84,148m	84,147m	0,002m
358	314+250,000	84,150m	84,148m	0,002m
359	314+260,000	84,152m	84,150m	0,002m
360	314+270,000	84,153m	84,152m	0,002m
361	314+280,000	84,155m	84,153m	0,001m
362	314+290,000	84,156m	84,155m	0,001m
363	314+300,000	84,158m	84,157m	0,001m
364	314+310,000	84,158m	84,158m	-0,000m
365	314+320,000	84,158m	84,160m	-0,002m
366	314+330,000	84,158m	84,162m	-0,004m
367	314+339,948	84,158m	84,163m	-0,005m
368	314+340,000	84,158m	84,163m	-0,005m
369	314+350,000	84,158m	84,165m	-0,007m
370	314+360,000	84,157m	84,167m	-0,010m
371	314+370,000	84,156m	84,168m	-0,013m
372	314+372,688	84,155m	84,169m	-0,014m
373	314+380,000	84,154m	84,170m	-0,016m
374	314+390,000	84,153m	84,172m	-0,018m
375	314+400,000	84,152m	84,173m	-0,021m
376	314+405,429	84,153m	84,174m	-0,022m
377	314+410,000	84,153m	84,175m	-0,022m
378	314+420,000	84,154m	84,177m	-0,023m
379	314+430,000	84,155m	84,178m	-0,023m
380	314+440,000	84,156m	84,180m	-0,024m
381	314+450,000	84,157m	84,182m	-0,025m
382	314+460,000	84,160m	84,183m	-0,023m
383	314+470,000	84,163m	84,185m	-0,022m
384	314+480,000	84,166m	84,187m	-0,021m
385	314+490,000	84,169m	84,188m	-0,019m
386	314+500,000	84,172m	84,190m	-0,018m
387	314+510,000	84,168m	84,188m	-0,020m
388	314+520,000	84,164m	84,187m	-0,023m
389	314+530,000	84,160m	84,185m	-0,025m
390	314+540,000	84,156m	84,183m	-0,027m
391	314+550,000	84,152m	84,182m	-0,030m
392	314+560,000	84,149m	84,180m	-0,031m
393	314+570,000	84,145m	84,178m	-0,033m
394	314+580,000	84,142m	84,177m	-0,035m
395	314+590,000	84,138m	84,175m	-0,037m
396	314+600,000	84,135m	84,173m	-0,038m

397	314+610,000	84,135m	84,172m	-0,036m
398	314+620,000	84,135m	84,170m	-0,035m
399	314+630,000	84,136m	84,168m	-0,033m
400	314+640,000	84,136m	84,167m	-0,031m
401	314+650,000	84,136m	84,165m	-0,029m
402	314+660,000	84,135m	84,163m	-0,029m
403	314+670,000	84,133m	84,162m	-0,028m
404	314+680,000	84,132m	84,160m	-0,028m
405	314+690,000	84,130m	84,158m	-0,028m
406	314+700,000	84,129m	84,157m	-0,028m
407	314+710,000	84,130m	84,155m	-0,025m
408	314+720,000	84,130m	84,153m	-0,023m
409	314+730,000	84,131m	84,152m	-0,021m
410	314+740,000	84,131m	84,150m	-0,019m
411	314+750,000	84,132m	84,148m	-0,016m
412	314+760,000	84,129m	84,147m	-0,018m
413	314+770,000	84,126m	84,145m	-0,019m
414	314+780,000	84,123m	84,143m	-0,020m
415	314+790,000	84,120m	84,142m	-0,022m
416	314+800,000	84,117m	84,140m	-0,023m
417	314+810,000	84,113m	84,135m	-0,022m
418	314+820,000	84,108m	84,130m	-0,022m
419	314+830,000	84,104m	84,125m	-0,021m
420	314+840,000	84,099m	84,120m	-0,021m
421	314+850,000	84,095m	84,115m	-0,020m
422	314+860,000	84,092m	84,110m	-0,018m
423	314+870,000	84,090m	84,105m	-0,015m
424	314+880,000	84,087m	84,100m	-0,013m
425	314+890,000	84,085m	84,095m	-0,010m
426	314+900,000	84,082m	84,090m	-0,008m
427	314+910,000	84,079m	84,085m	-0,006m
428	314+920,000	84,076m	84,080m	-0,004m
429	314+930,000	84,074m	84,075m	-0,001m
430	314+940,000	84,071m	84,070m	0,001m
431	314+950,000	84,068m	84,065m	0,003m
432	314+960,000	84,058m	84,060m	-0,002m
433	314+970,000	84,048m	84,055m	-0,007m
434	314+980,000	84,039m	84,050m	-0,011m
435	314+990,000	84,029m	84,045m	-0,016m
436	315+000,000	84,019m	84,040m	-0,021m
437	315+010,000	84,014m	84,035m	-0,021m
438	315+020,000	84,009m	84,030m	-0,021m
439	315+030,000	84,005m	84,025m	-0,020m
440	315+040,000	84,000m	84,020m	-0,020m
441	315+050,000	83,995m	84,015m	-0,020m
442	315+060,000	83,992m	84,010m	-0,018m
443	315+070,000	83,989m	84,005m	-0,016m
444	315+080,000	83,987m	84,000m	-0,013m
445	315+090,000	83,984m	83,995m	-0,011m
446	315+100,000	83,981m	83,990m	-0,009m

447	315+110,000	83,974m	83,985m	-0,011m
448	315+120,000	83,967m	83,980m	-0,013m
449	315+130,000	83,960m	83,975m	-0,015m
450	315+140,000	83,954m	83,970m	-0,016m
451	315+150,000	83,947m	83,965m	-0,018m
452	315+160,000	83,937m	83,960m	-0,023m
453	315+170,000	83,928m	83,955m	-0,027m
454	315+180,000	83,919m	83,950m	-0,031m
455	315+190,000	83,909m	83,945m	-0,036m
456	315+200,000	83,900m	83,940m	-0,040m
457	315+210,000	83,890m	83,930m	-0,040m
458	315+220,000	83,880m	83,920m	-0,040m
459	315+230,000	83,870m	83,910m	-0,040m
460	315+240,000	83,860m	83,900m	-0,040m
461	315+250,000	83,850m	83,890m	-0,040m
462	315+260,000	83,841m	83,880m	-0,039m
463	315+270,000	83,833m	83,870m	-0,037m
464	315+280,000	83,824m	83,860m	-0,036m
465	315+290,000	83,815m	83,850m	-0,035m
466	315+300,000	83,807m	83,840m	-0,033m
467	315+310,000	83,799m	83,830m	-0,031m
468	315+320,000	83,791m	83,820m	-0,029m
469	315+330,000	83,784m	83,810m	-0,026m
470	315+340,000	83,776m	83,800m	-0,024m
471	315+350,000	83,768m	83,790m	-0,022m
472	315+360,000	83,761m	83,780m	-0,019m
473	315+370,000	83,753m	83,770m	-0,017m
474	315+380,000	83,746m	83,760m	-0,014m
475	315+390,000	83,738m	83,750m	-0,012m
476	315+400,000	83,731m	83,740m	-0,009m
477	315+404,992	83,726m	83,735m	-0,009m
478	315+410,000	83,721m	83,730m	-0,009m
479	315+420,000	83,710m	83,720m	-0,010m
480	315+430,000	83,700m	83,710m	-0,010m
481	315+438,193	83,692m	83,702m	-0,010m
482	315+440,000	83,690m	83,700m	-0,010m
483	315+450,000	83,680m	83,690m	-0,010m
484	315+460,000	83,669m	83,680m	-0,011m
485	315+470,000	83,658m	83,670m	-0,012m
486	315+471,394	83,657m	83,669m	-0,012m
487	315+480,000	83,648m	83,660m	-0,012m
488	315+490,000	83,637m	83,650m	-0,013m
489	315+500,000	83,626m	83,640m	-0,014m
490	315+510,000	83,615m	83,630m	-0,015m
491	315+520,000	83,605m	83,620m	-0,015m
492	315+530,000	83,594m	83,610m	-0,016m
493	315+540,000	83,584m	83,600m	-0,016m
494	315+550,000	83,573m	83,590m	-0,017m
495	315+560,000	83,564m	83,580m	-0,016m
496	315+570,000	83,556m	83,570m	-0,014m

497	315+580,000	83,547m	83,560m	-0,013m
498	315+590,000	83,539m	83,550m	-0,011m
499	315+600,000	83,530m	83,540m	-0,010m
500	315+610,000	83,524m	83,535m	-0,012m
501	315+620,000	83,517m	83,531m	-0,013m
502	315+630,000	83,511m	83,526m	-0,015m
503	315+640,000	83,504m	83,521m	-0,017m
504	315+650,000	83,498m	83,516m	-0,019m
505	315+660,000	83,492m	83,512m	-0,020m
506	315+670,000	83,486m	83,507m	-0,022m
507	315+680,000	83,479m	83,502m	-0,023m
508	315+690,000	83,473m	83,498m	-0,025m
509	315+700,000	83,467m	83,493m	-0,026m
510	315+710,000	83,466m	83,488m	-0,022m
511	315+720,000	83,465m	83,484m	-0,018m
512	315+730,000	83,465m	83,479m	-0,014m
513	315+740,000	83,464m	83,474m	-0,010m
514	315+750,000	83,463m	83,469m	-0,006m
515	315+760,000	83,459m	83,465m	-0,006m
516	315+770,000	83,455m	83,460m	-0,005m
517	315+780,000	83,450m	83,455m	-0,005m
518	315+790,000	83,446m	83,451m	-0,004m
519	315+800,000	83,442m	83,446m	-0,004m
520	315+810,000	83,434m	83,441m	-0,007m
521	315+820,000	83,426m	83,436m	-0,011m
522	315+830,000	83,418m	83,432m	-0,014m
523	315+840,000	83,410m	83,427m	-0,017m
524	315+850,000	83,402m	83,422m	-0,020m
525	315+860,000	83,396m	83,418m	-0,022m
526	315+870,000	83,390m	83,413m	-0,023m
527	315+880,000	83,384m	83,408m	-0,024m
528	315+890,000	83,378m	83,404m	-0,026m
529	315+900,000	83,372m	83,399m	-0,027m
530	315+910,000	83,366m	83,394m	-0,028m
531	315+920,000	83,360m	83,389m	-0,030m
532	315+930,000	83,353m	83,385m	-0,031m
533	315+940,000	83,347m	83,380m	-0,033m
534	315+950,000	83,341m	83,375m	-0,034m
535	315+960,000	83,343m	83,371m	-0,027m
536	315+970,000	83,345m	83,366m	-0,020m
537	315+980,000	83,348m	83,361m	-0,014m
538	315+990,000	83,350m	83,356m	-0,007m
539	316+000,000	83,352m	83,352m	0,000m
540	316+010,000	83,340m	83,347m	-0,007m
541	316+020,000	83,329m	83,342m	-0,014m
542	316+025,000	83,323m	83,340m	-0,017m
543	316+030,000	83,317m	83,332m	-0,015m
544	316+040,000	83,305m	83,316m	-0,010m
545	316+050,000	83,294m	83,299m	-0,006m
546	316+060,000	83,273m	83,283m	-0,010m

547	316+070,000	83,252m	83,267m	-0,015m
548	316+080,000	83,231m	83,251m	-0,020m
549	316+090,000	83,210m	83,234m	-0,025m
550	316+100,000	83,189m	83,218m	-0,029m
551	316+110,000	83,176m	83,202m	-0,026m
552	316+120,000	83,162m	83,186m	-0,023m
553	316+130,000	83,149m	83,169m	-0,020m
554	316+140,000	83,136m	83,153m	-0,017m
555	316+150,000	83,123m	83,137m	-0,014m
556	316+160,000	83,104m	83,121m	-0,017m
557	316+170,000	83,084m	83,104m	-0,020m
558	316+180,000	83,065m	83,088m	-0,023m
559	316+190,000	83,046m	83,072m	-0,026m
560	316+200,000	83,027m	83,056m	-0,029m
561	316+210,000	83,012m	83,039m	-0,028m
562	316+220,000	82,997m	83,023m	-0,026m
563	316+230,000	82,982m	83,007m	-0,025m
564	316+240,000	82,967m	82,991m	-0,024m
565	316+250,000	82,952m	82,974m	-0,023m
566	316+260,000	82,931m	82,958m	-0,028m
567	316+270,000	82,909m	82,942m	-0,033m
568	316+280,000	82,888m	82,926m	-0,037m
569	316+290,000	82,867m	82,909m	-0,042m
570	316+300,000	82,846m	82,893m	-0,047m
571	316+310,000	82,828m	82,877m	-0,049m
572	316+320,000	82,811m	82,861m	-0,050m
573	316+330,000	82,794m	82,844m	-0,051m
574	316+340,000	82,776m	82,828m	-0,052m
575	316+350,000	82,759m	82,812m	-0,053m
576	316+360,000	82,748m	82,796m	-0,048m
577	316+370,000	82,736m	82,779m	-0,043m
578	316+380,000	82,725m	82,763m	-0,038m
579	316+390,000	82,714m	82,747m	-0,033m
580	316+400,000	82,703m	82,731m	-0,028m
581	316+410,000	82,694m	82,714m	-0,020m
582	316+420,000	82,686m	82,698m	-0,012m
583	316+425,000	82,682m	82,690m	-0,008m
584	316+430,000	82,678m	82,686m	-0,009m
585	316+440,000	82,669m	82,679m	-0,010m
586	316+450,000	82,661m	82,671m	-0,010m
587	316+460,000	82,652m	82,664m	-0,012m
588	316+470,000	82,643m	82,656m	-0,013m
589	316+480,000	82,634m	82,649m	-0,014m
590	316+490,000	82,626m	82,641m	-0,016m
591	316+500,000	82,617m	82,634m	-0,017m
592	316+510,000	82,610m	82,626m	-0,017m
593	316+520,000	82,603m	82,619m	-0,016m
594	316+530,000	82,596m	82,611m	-0,016m
595	316+540,000	82,589m	82,604m	-0,015m
596	316+550,000	82,582m	82,597m	-0,015m

597	316+560,000	82,575m	82,589m	-0,014m
598	316+560,650	82,575m	82,589m	-0,014m
599	316+570,000	82,569m	82,582m	-0,013m
600	316+580,000	82,562m	82,574m	-0,012m
601	316+590,000	82,556m	82,567m	-0,011m
602	316+592,696	82,554m	82,565m	-0,011m
603	316+600,000	82,549m	82,559m	-0,010m
604	316+610,000	82,543m	82,552m	-0,009m
605	316+620,000	82,537m	82,544m	-0,008m
606	316+624,743	82,534m	82,541m	-0,007m
607	316+630,000	82,530m	82,537m	-0,006m
608	316+640,000	82,524m	82,529m	-0,005m
609	316+650,000	82,518m	82,522m	-0,004m
610	316+660,000	82,508m	82,514m	-0,006m
611	316+670,000	82,499m	82,507m	-0,008m
612	316+680,000	82,490m	82,499m	-0,010m
613	316+690,000	82,480m	82,492m	-0,012m
614	316+700,000	82,471m	82,484m	-0,013m
615	316+710,000	82,460m	82,477m	-0,017m
616	316+720,000	82,449m	82,469m	-0,021m
617	316+730,000	82,438m	82,462m	-0,024m
618	316+740,000	82,427m	82,454m	-0,028m
619	316+750,000	82,416m	82,447m	-0,031m
620	316+760,000	82,403m	82,439m	-0,036m
621	316+770,000	82,391m	82,432m	-0,041m
622	316+780,000	82,379m	82,425m	-0,046m
623	316+790,000	82,366m	82,417m	-0,051m
624	316+800,000	82,354m	82,410m	-0,056m
625	316+810,000	82,344m	82,402m	-0,058m
626	316+820,000	82,334m	82,395m	-0,060m
627	316+830,000	82,325m	82,387m	-0,062m
628	316+840,000	82,315m	82,380m	-0,065m
629	316+850,000	82,305m	82,372m	-0,067m
630	316+860,000	82,296m	82,365m	-0,069m
631	316+870,000	82,286m	82,357m	-0,071m
632	316+880,000	82,276m	82,350m	-0,073m
633	316+890,000	82,267m	82,342m	-0,076m
634	316+900,000	82,257m	82,335m	-0,078m
635	316+910,000	82,248m	82,327m	-0,079m
636	316+920,000	82,240m	82,320m	-0,080m
637	316+930,000	82,231m	82,312m	-0,081m
638	316+940,000	82,223m	82,305m	-0,082m
639	316+950,000	82,214m	82,297m	-0,083m
640	316+960,000	82,211m	82,290m	-0,079m
641	316+970,000	82,208m	82,282m	-0,074m
642	316+980,000	82,205m	82,275m	-0,070m
643	316+990,000	82,202m	82,267m	-0,065m
644	317+000,000	82,199m	82,260m	-0,061m
645	317+010,000	82,203m	82,256m	-0,054m
646	317+020,000	82,206m	82,253m	-0,047m