

Proyecto de mejora de la pavimentación, accesibilidad y seguridad del entorno del Paseo José Saramago en Orkoien (Navarra)

ANEJO Nº 1: MEMORIA TOPOGRÁFICA



**AYUNTAMIENTO DE ORKOIEN
ORKOIENGO UDALA**



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Febrero 2026

MEMORIA TOPOGRÁFICA DE LOS TRABAJOS REALIZADOS PARA EL PROYECTO DE MEJORA DE LA MOVILIDAD DEL PASEO SARAMAGO EN ORCOYEN.

1. OBJETO

El objeto del trabajo es la elaboración de la cartografía de detalle para el proyecto de mejora de la movilidad del paseo Saramago en Orcoyen.

2. MÉTODO DE OBSERVACIÓN Y CÁLCULO

El sistema de referencia empleado en los trabajos topográficos ha sido: UTM zona 30 N con datum ETRS89. Para realizar el enlace con la geodesia disponemos de las estaciones de referencia GNSS del gobierno de Navarra, la Red de Geodesia Activa de Navarra (RGAN). Para la coordenada Z emplearemos el modelo de Geoide EGM08-REDNAP. Para la obtención de las coordenadas de los puntos tomados, se ha utilizado técnicas GPS EN TIEMPO REAL con un receptor GPS SETTOP AL-102 con conexión a Internet a partir de la RED DE GEODESIA ACTIVA de Navarra, utilizando la solución de RED. Este servicio permite conseguir un posicionamiento preciso en el mismo instante en que se realiza la medición con precisión centimétrica en tiempo real.

En las zonas donde no se ha podido utilizar el GPS, se ha empleado una Estación Robotizada AGA de la serie Geodimeter 620 con un error en lectura angular de ± 2 seg. cent. y un error en distanciometría de 3 mm. ± 5 PPM.

Después de tomar los datos y calcular sus coordenadas se ha digitalizado el dibujo con AutoCad, obteniendo la topografía del terreno existente y su modelo digital.

COORDENADAS DEL LEVANTAMIENTO TOPOGRÁFICO

Nombre	Coord. X	Coord. Y	Coord. Z
1	606559.90	4742000.03	446.75
2	606562.32	4741999.66	446.82
4	606561.14	4741991.54	446.79
5	606561.68	4741987.39	446.90
6	606561.34	4741984.97	446.90
7	606559.71	4741981.23	446.68
8	606556.73	4741979.03	446.52
9	606558.03	4741988.13	446.67
10	606559.70	4742000.13	446.71
11	606560.21	4742003.63	446.75
12	606560.33	4742003.40	446.76
13	606562.76	4742003.10	446.78
14	606562.47	4742019.35	446.82
15	606562.52	4742019.82	446.84
16	606565.12	4742018.88	446.86
17	606568.41	4742042.07	447.47
18	606565.77	4742042.55	447.39
19	606568.07	4742058.69	448.09
20	606570.66	4742058.35	448.16
21	606568.30	4742058.71	448.10
22	606568.78	4742062.34	448.38
23	606570.81	4742064.74	448.29
24	606574.04	4742065.45	448.10
25	606576.78	4742065.04	447.88
26	606576.52	4742062.62	447.93
27	606576.41	4742062.54	448.04
28	606574.27	4742065.70	448.11
29	606574.04	4742065.34	448.12
30	606574.02	4742063.31	448.30
31	606573.79	4742061.79	448.33
32	606572.33	4742061.46	448.50
34	606571.43	4742062.85	448.45
35	606572.99	4742064.32	448.36

36	606572.89	4742066.59	448.24
37	606574.54	4742067.84	448.17
40	606575.48	4742073.74	448.28
41	606575.20	4742075.99	448.41
42	606575.14	4742074.78	448.38
43	606574.22	4742075.44	448.55
44	606571.77	4742072.99	448.36
45	606573.61	4742070.84	448.25
46	606577.49	4742070.26	447.94
47	606576.83	4742065.81	447.95
48	606568.10	4742062.76	448.43
49	606567.52	4742058.80	448.15
50	606563.06	4742059.48	448.16
53	606576.78	4742065.24	447.88
54	606587.38	4742063.65	447.33
55	606598.46	4742062.06	446.79
56	606599.11	4742062.05	446.75
57	606593.30	4742061.89	447.00
58	606589.00	4742060.93	447.28
59	606599.35	4742059.39	446.76
60	606599.79	4742062.80	446.75
61	606600.39	4742066.79	446.80
62	606599.97	4742067.57	446.78
63	606600.89	4742070.07	446.84
64	606599.39	4742067.69	446.79
65	606590.31	4742068.95	447.17
66	606590.74	4742071.58	447.30
67	606583.87	4742072.56	447.58
68	606583.95	4742072.77	447.74
69	606584.13	4742073.98	447.83
70	606577.73	4742070.78	447.85
71	606578.03	4742073.40	447.93
72	606577.65	4742070.98	447.86
73	606574.96	4742071.31	448.11
74	606571.91	4742073.14	448.34
75	606570.81	4742075.77	448.45
76	606571.40	4742080.50	448.61
77	606573.77	4742080.13	448.83
78	606570.03	4742075.63	448.48
79	606570.68	4742080.60	448.65
80	606566.22	4742081.19	448.55

81	606566.14	4742069.88	448.69
82	606567.38	4742069.16	448.64
83	606568.42	4742067.29	448.52
84	606573.15	4742061.22	448.48
85	606571.99	4742053.04	448.11
86	606564.58	4742001.67	446.89
87	606559.24	4742000.27	446.76
88	606559.71	4742003.56	446.72
89	606555.26	4742004.20	446.77
90	606557.51	4742004.38	446.78
91	606559.55	4742011.17	446.85
92	606560.05	4742023.06	447.00
93	606564.06	4742045.57	447.42
94	606582.49	4742067.35	447.69
95	606591.89	4742065.93	447.19
96	606598.89	4742065.09	446.89
98	606586.71	4742074.32	447.63
99	606591.88	4742073.54	447.41
101	606597.59	4742072.08	447.17
102	606600.25	4742071.87	447.08
103	606601.87	4742072.11	447.01
105	606602.90	4742071.13	446.91
106	606603.98	4742070.99	446.88
107	606605.62	4742070.91	446.84
108	606610.95	4742070.83	446.71
109	606621.70	4742069.28	446.48
110	606627.12	4742068.51	446.41
111	606631.66	4742067.89	446.39
112	606632.93	4742067.55	446.38
113	606641.82	4742066.18	446.12
115	606644.28	4742064.23	446.46
116	606644.48	4742065.77	446.72
117	606644.54	4742063.87	446.54
118	606645.97	4742064.25	446.66
119	606646.73	4742065.80	446.77
120	606646.03	4742066.80	446.83
121	606644.11	4742062.80	446.45
123	606649.47	4742068.26	446.75
124	606649.09	4742065.20	446.62
125	606647.83	4742063.00	446.43
126	606646.60	4742061.93	446.36

127	606644.03	4742061.35	446.21
128	606641.06	4742061.81	446.16
129	606640.95	4742061.63	446.15
130	606641.43	4742064.31	446.21
132	606640.89	4742061.25	446.17
133	606644.88	4742060.57	446.33
134	606644.12	4742056.13	446.35
135	606647.54	4742050.30	446.29
136	606647.08	4742046.43	446.02
138	606649.89	4742052.94	446.42
139	606651.44	4742056.85	446.48
140	606650.19	4742057.88	446.47
141	606653.70	4742061.09	446.55
142	606654.31	4742064.94	446.66
143	606649.87	4742065.64	446.63
144	606640.37	4742061.84	446.09
145	606631.74	4742063.00	446.14
146	606631.10	4742065.83	446.25
147	606626.36	4742067.30	446.42
149	606618.74	4742067.64	446.37
150	606618.27	4742064.19	446.39
151	606618.46	4742065.00	446.36
152	606617.61	4742059.36	446.27
153	606617.72	4742060.22	446.32
154	606617.25	4742056.89	446.38
155	606616.95	4742054.98	446.52
156	606609.51	4742056.04	446.70
157	606608.14	4742057.89	446.67
158	606598.87	4742057.56	446.94
159	606601.02	4742057.90	447.03
160	606604.67	4742057.12	446.94
161	606639.49	4742056.17	446.10
162	606639.99	4742056.22	446.10
163	606639.82	4742053.76	446.22
164	606640.22	4742055.87	446.11
165	606642.85	4742055.49	446.19
166	606645.45	4742054.15	446.27
167	606646.85	4742050.13	446.22
168	606646.45	4742046.46	446.04
169	606645.41	4742051.63	446.43
170	606644.81	4742053.25	446.40

171	606644.02	4742054.31	446.41
172	606636.66	4742059.39	446.23
173	606626.91	4742060.99	446.24
174	606618.56	4742062.05	446.38
175	606617.61	4742060.40	446.40
176	606618.10	4742064.08	446.42
177	606609.23	4742065.34	446.59
178	606608.39	4742061.74	446.59
179	606609.27	4742062.64	446.63
180	606606.88	4742063.92	446.69
181	606600.58	4742066.61	446.91
182	606599.97	4742062.88	446.87
183	606601.01	4742070.15	446.91
185	606610.18	4742068.83	446.65
186	606618.52	4742067.74	446.43
187	606591.82	4742073.70	447.40
188	606588.58	4742074.25	447.38
189	606575.49	4742119.51	449.91
190	606574.09	4742119.06	449.92
191	606575.00	4742121.87	449.86
192	606577.22	4742121.83	449.74
193	606578.84	4742121.42	449.70
198	606586.42	4742119.91	449.37
199	606582.94	4742120.42	449.51
200	606580.00	4742121.62	449.59
201	606579.51	4742121.86	449.64
202	606578.83	4742122.32	449.66
204	606577.83	4742122.67	449.72
206	606578.24	4742126.48	449.75
207	606578.70	4742126.54	449.87
210	606579.56	4742121.95	449.76
211	606578.87	4742130.02	449.79
212	606579.42	4742133.02	449.97
213	606580.39	4742135.88	449.94
214	606581.59	4742137.15	449.92
215	606586.38	4742138.40	449.79
216	606585.68	4742138.77	449.80
217	606589.03	4742138.23	449.80
221	606576.92	4742123.07	449.73
222	606572.60	4742123.88	450.09
224	606587.59	4742120.31	449.30

225	606589.26	4742119.99	449.24
226	606591.10	4742119.79	449.20
227	606592.78	4742119.50	449.14
229	606596.22	4742118.98	449.01
230	606598.02	4742118.82	448.95
231	606599.68	4742118.52	448.93
235	606595.13	4742119.47	449.01
236	606602.94	4742118.39	448.81
237	606603.04	4742118.42	448.85
238	606604.93	4742117.90	448.87
239	606606.69	4742117.48	448.88
240	606608.32	4742117.38	448.84
241	606610.12	4742116.96	448.81
243	606613.61	4742116.44	448.77
244	606612.71	4742116.80	448.76
245	606609.36	4742117.44	448.80
246	606617.98	4742116.23	448.67
247	606618.58	4742116.79	448.68
248	606615.37	4742116.34	448.73
249	606617.08	4742115.99	448.73
250	606618.70	4742115.84	448.65
251	606620.61	4742115.45	448.69
252	606621.58	4742115.71	448.63
253	606622.30	4742115.37	448.66
254	606623.99	4742114.98	448.68
255	606624.74	4742115.05	448.64
258	606629.59	4742114.55	448.61
259	606625.74	4742114.86	448.67
260	606627.33	4742114.48	448.67
261	606629.11	4742114.34	448.68
262	606630.92	4742114.00	448.59
263	606632.65	4742113.83	448.61
264	606634.24	4742113.48	448.61
265	606636.19	4742113.35	448.64
267	606638.48	4742112.98	448.65
268	606639.62	4742112.84	448.66
269	606641.37	4742112.47	448.70
270	606639.79	4742114.46	448.82
271	606637.06	4742113.47	448.64
272	606646.91	4742112.04	448.77
273	606646.86	4742111.24	448.84

274	606650.78	4742110.61	448.91
275	606650.70	4742112.03	448.92
276	606650.48	4742112.46	448.94
277	606650.31	4742108.55	448.93
278	606649.98	4742111.63	448.84
279	606652.46	4742111.96	448.93
280	606655.12	4742113.94	449.13
281	606655.84	4742116.05	449.27
282	606654.68	4742117.60	449.45
283	606654.16	4742115.01	449.26
284	606652.96	4742114.44	449.18
285	606653.08	4742113.57	449.18
286	606651.95	4742112.96	449.08
287	606649.38	4742113.00	448.95
288	606647.28	4742113.33	448.93
289	606656.30	4742113.54	449.17
290	606656.69	4742117.34	449.37
291	606661.07	4742116.88	449.37
292	606658.55	4742108.22	449.17
293	606657.17	4742106.91	449.13
294	606654.97	4742101.31	448.81
295	606654.44	4742097.38	448.58
296	606658.81	4742096.84	448.52
297	606653.57	4742097.42	448.49
298	606653.97	4742099.79	448.62
299	606653.08	4742103.81	448.81
300	606652.23	4742104.51	448.96
301	606650.86	4742104.23	448.99
302	606652.29	4742104.59	448.82
305	606649.74	4742104.71	449.04
307	606656.20	4742119.90	449.35
308	606656.47	4742122.45	449.52
309	606655.96	4742122.48	449.67
310	606654.70	4742122.95	449.72
311	606656.32	4742124.96	449.59
312	606654.72	4742127.53	449.67
313	606651.79	4742129.06	449.59
314	606650.54	4742127.49	449.79
315	606652.19	4742127.60	449.79
316	606644.20	4742128.77	449.71
317	606644.52	4742130.10	449.58

318	606641.15	4742128.78	449.73
319	606641.53	4742129.81	449.67
320	606638.34	4742129.76	449.67
321	606638.06	4742131.01	449.54
322	606632.70	4742131.75	449.56
325	606628.38	4742131.15	449.72
326	606623.61	4742132.28	449.73
327	606622.63	4742133.19	449.68
328	606618.90	4742133.89	449.68
329	606618.65	4742132.93	449.75
330	606614.14	4742132.33	449.79
331	606615.41	4742134.02	449.81
332	606611.59	4742134.73	449.78
333	606608.18	4742134.04	449.82
334	606604.44	4742135.94	449.66
335	606604.82	4742135.76	449.72
337	606594.94	4742137.16	449.75
338	606598.53	4742135.40	449.93
339	606591.98	4742135.10	449.96
340	606590.48	4742136.22	449.98
341	606585.25	4742143.28	450.18
342	606583.10	4742145.36	450.31
343	606582.76	4742147.95	450.39
344	606582.40	4742149.48	450.35
345	606582.43	4742151.07	450.43
351	606617.57	4742357.76	457.20
352	606617.56	4742360.53	457.23
354	606618.78	4742355.41	457.30
355	606619.09	4742355.38	457.45
356	606621.43	4742357.86	457.37
357	606621.71	4742358.84	457.24
358	606623.22	4742360.26	457.18
359	606627.74	4742363.66	457.05
360	606631.16	4742365.71	456.96
361	606633.85	4742366.82	456.96
364	606619.91	4742354.70	457.47
365	606621.50	4742356.55	457.39
366	606624.94	4742359.99	457.28
367	606628.06	4742362.58	457.20
368	606628.13	4742359.81	457.17
369	606632.74	4742359.31	457.10

370	606633.58	4742365.26	457.09
371	606630.58	4742363.86	457.14
372	606634.37	4742366.50	457.08
373	606635.90	4742367.60	456.91
374	606641.35	4742368.98	456.84
375	606641.42	4742368.41	456.99
376	606641.75	4742367.16	456.97
377	606639.13	4742368.44	457.04
378	606637.13	4742366.55	457.03
379	606643.12	4742367.80	456.90
380	606646.14	4742367.93	456.79
381	606644.04	4742369.29	456.74
382	606652.88	4742369.04	456.57
383	606648.97	4742369.04	456.75
384	606657.34	4742367.72	456.55
385	606665.25	4742364.30	456.41
386	606654.80	4742367.24	456.67
387	606653.46	4742367.73	456.73
388	606656.37	4742368.35	456.44
389	606660.26	4742367.11	456.37
390	606664.85	4742364.99	456.30
391	606657.72	4742366.54	456.59
392	606663.95	4742363.93	456.43
393	606668.27	4742361.19	456.38
395	606670.74	4742360.92	456.15
396	606673.67	4742358.07	456.07
397	606676.86	4742354.18	456.00
398	606678.49	4742351.85	455.94
400	606678.31	4742351.60	455.97
401	606672.52	4742357.55	456.25
402	606674.94	4742354.65	456.17
403	606676.77	4742351.66	456.07
404	606679.09	4742347.46	456.07
405	606679.66	4742348.16	455.98
406	606680.40	4742347.91	455.87
407	606681.82	4742344.09	455.77
408	606682.73	4742340.17	455.75
409	606682.02	4742341.91	455.86
410	606680.72	4742342.80	455.96
412	606682.28	4742342.18	455.73
413	606685.02	4742342.13	455.69

415	606683.14	4742348.39	455.77
416	606680.71	4742353.01	455.81
417	606680.56	4742353.60	455.86
418	606678.19	4742356.67	455.90
420	606677.06	4742357.98	455.92
421	606672.95	4742362.59	456.07
422	606670.84	4742364.36	456.14
423	606670.08	4742364.72	456.12
424	606669.47	4742366.17	456.22
425	606672.36	4742365.20	456.17
426	606675.90	4742361.36	456.03
427	606677.58	4742363.26	456.08
428	606673.80	4742368.94	456.18
429	606668.68	4742368.78	456.30
430	606666.56	4742366.89	456.20
431	606660.54	4742369.68	456.34
432	606660.45	4742372.33	456.47
433	606653.90	4742374.15	456.58
434	606651.36	4742373.23	456.59
435	606651.25	4742376.23	456.63
436	606652.55	4742371.60	456.50
437	606669.51	4742360.16	456.32
438	606668.68	4742354.27	456.32
439	606672.84	4742353.29	456.21
441	606679.91	4742358.46	455.98
442	606685.28	4742349.98	455.85
443	606644.72	4742371.84	456.64
444	606635.96	4742370.31	456.81
445	606629.53	4742367.64	456.90
446	606625.35	4742365.03	456.96
447	606621.13	4742361.74	457.09
448	606618.06	4742358.54	457.18
450	606626.31	4742363.02	457.05
451	606622.96	4742367.17	457.05
452	606621.40	4742368.83	457.08
453	606618.38	4742366.27	457.08
455	606608.82	4742363.57	457.34
457	606614.17	4742369.43	457.20
458	606617.15	4742366.15	457.10
459	606617.91	4742366.77	457.10
460	606618.30	4742367.31	457.12

461	606618.61	4742370.45	457.14
462	606618.44	4742373.06	457.18
463	606618.18	4742374.14	457.22
465	606617.71	4742375.39	457.28
466	606616.53	4742376.80	457.33
468	606615.56	4742376.93	457.33
469	606613.58	4742377.20	457.40
470	606612.47	4742377.36	457.42
472	606612.31	4742376.01	457.60
473	606616.02	4742375.48	457.49
474	606616.95	4742373.81	457.38
475	606617.25	4742371.70	457.32
476	606617.14	4742369.73	457.32
477	606616.99	4742367.75	457.30
478	606616.91	4742366.27	457.13
479	606615.27	4742364.49	457.18
480	606613.03	4742361.93	457.18
481	606620.81	4742370.84	457.11
482	606623.67	4742367.66	457.06
483	606627.45	4742363.52	457.04
484	606621.40	4742370.84	457.08
485	606622.46	4742375.04	457.15
486	606623.61	4742378.84	457.18
487	606618.10	4742378.03	457.31
488	606616.62	4742377.59	457.34
490	606613.24	4742382.21	457.44
491	606618.04	4742382.39	457.31
492	606617.65	4742379.79	457.35
493	606612.05	4742380.41	457.55
494	606611.66	4742378.26	457.46
495	606613.76	4742386.86	457.55
496	606617.75	4742386.29	457.38
497	606623.83	4742381.77	457.09
498	606616.96	4742382.70	457.30
499	606612.79	4742383.14	457.43
500	606612.46	4742381.18	457.48
501	606605.71	4742382.14	457.72
502	606603.46	4742380.39	457.75
503	606605.70	4742384.30	457.63
504	606597.59	4742385.50	457.87
505	606597.76	4742383.23	457.97

506	606597.99	4742385.15	457.91
508	606597.75	4742385.67	457.93
510	606606.71	4742384.44	457.67
512	606613.24	4742383.46	457.45
514	606613.83	4742387.71	457.56
515	606605.87	4742378.40	457.64
518	606596.23	4742379.65	457.95
519	606597.73	4742381.24	457.95
520	606624.71	4742386.16	457.18
521	606624.10	4742381.76	457.12
523	606627.99	4742381.23	457.03
524	606627.98	4742381.33	457.17
525	606631.57	4742382.01	457.02
527	606633.26	4742384.69	457.00
529	606633.51	4742386.77	457.03
531	606633.67	4742387.71	457.06
533	606633.84	4742388.70	457.04
535	606631.90	4742383.14	457.19
536	606632.29	4742388.07	457.25
538	606638.14	4742383.55	456.85
539	606637.85	4742383.22	456.87
540	606638.30	4742387.01	456.91
542	606638.94	4742387.98	456.93
544	606638.70	4742386.12	456.87
546	606638.41	4742384.02	456.86
547	606638.44	4742383.01	456.83
550	606639.40	4742382.07	457.02
551	606640.10	4742387.23	457.12
552	606638.13	4742382.38	456.88
553	606635.71	4742382.67	456.96
554	606635.31	4742380.21	456.95
555	606630.76	4742380.82	457.03
556	606634.22	4742382.69	457.02
557	606632.85	4742375.91	456.96
558	606631.34	4742375.28	456.99
559	606633.01	4742372.38	456.93
560	606628.38	4742369.50	457.01
561	606626.29	4742373.31	457.09
562	606627.79	4742378.01	457.12
563	606637.20	4742377.99	456.96
564	606638.33	4742373.89	456.92

565	606643.65	4742373.91	456.79
566	606644.12	4742377.00	456.83
567	606634.21	4742371.51	456.90
568	606633.36	4742371.27	456.92
569	606632.08	4742369.91	456.90
570	606631.14	4742369.61	456.92
571	606640.24	4742380.49	456.88
573	606642.26	4742379.15	456.85
574	606647.83	4742378.29	456.70
575	606653.98	4742377.41	456.58
576	606661.67	4742375.40	456.44
577	606669.17	4742372.17	456.32
578	606674.54	4742368.51	456.21
579	606680.12	4742363.28	456.07
580	606682.91	4742360.22	456.00
584	606685.67	4742356.04	455.89
585	606687.98	4742351.52	455.80
586	606690.35	4742344.74	455.71
589	606686.85	4742356.71	456.06
590	606685.22	4742359.33	456.08
591	606683.71	4742361.29	456.11
592	606682.44	4742362.84	456.18
593	606597.42	4742296.02	456.21
594	606596.81	4742291.97	455.92
595	606603.93	4742290.90	456.07
596	606604.94	4742294.88	456.24
597	606602.14	4742289.32	455.92
598	606602.69	4742293.37	456.13
599	606603.35	4742298.20	456.32
600	606603.93	4742302.30	456.48
601	606606.18	4742301.25	456.56
602	606604.18	4742301.56	456.44
603	606603.31	4742295.81	456.20
604	606605.49	4742295.48	456.26
605	606605.59	4742295.50	456.44
606	606605.24	4742293.42	456.13
607	606605.34	4742293.42	456.18
608	606605.06	4742291.86	456.06
609	606605.16	4742291.85	456.12
610	606604.71	4742289.83	455.92
611	606604.81	4742289.81	456.15

612	606606.01	4742289.74	456.15
613	606606.85	4742295.20	456.45
614	606594.65	4742236.72	454.03
615	606596.97	4742235.90	454.16
616	606594.87	4742236.22	454.06
617	606593.99	4742230.55	453.90
618	606596.11	4742230.14	453.95
619	606594.03	4742232.62	453.94
620	606593.28	4742227.69	453.74
621	606592.79	4742224.05	453.63
622	606594.83	4742225.35	453.74
623	606595.38	4742229.27	453.84
624	606587.93	4742230.37	453.82
625	606596.21	4742230.12	454.10
626	606595.89	4742228.02	453.83
627	606595.99	4742228.01	453.84
628	606595.68	4742226.44	453.74
629	606595.78	4742226.43	453.77
630	606595.33	4742224.46	453.68
631	606595.43	4742224.45	453.81
632	606595.09	4742222.43	453.62
633	606596.73	4742224.21	453.85
634	606597.54	4742229.70	454.05
635	606667.40	4742229.18	453.53
636	606667.04	4742226.62	453.35
637	606667.99	4742223.69	453.11
638	606670.26	4742223.36	453.04
639	606669.50	4742217.62	452.87
640	606667.18	4742217.94	452.87
641	606669.64	4742217.25	452.78
642	606670.89	4742225.94	453.01
643	606672.05	4742234.10	453.33
644	606671.93	4742234.03	453.37
645	606669.69	4742234.46	453.53
647	606668.80	4742228.87	453.22
648	606668.70	4742228.88	453.35
649	606668.45	4742226.92	453.08
650	606668.35	4742226.93	453.10
651	606668.16	4742224.88	453.05
652	606668.06	4742224.90	453.00
653	606670.75	4742223.76	452.97

654	606671.28	4742227.68	453.10
655	606676.51	4742226.97	453.12
669	606669.25	4742175.69	451.29
670	606669.87	4742179.65	451.42
671	606664.51	4742180.41	451.38
672	606663.93	4742176.47	451.24
673	606664.09	4742178.02	451.30
674	606662.55	4742168.02	450.96
675	606659.99	4742168.95	451.20
676	606662.43	4742168.55	451.02
677	606663.29	4742174.41	451.23
678	606660.91	4742174.71	451.25
679	606661.09	4742175.79	451.32
680	606660.99	4742175.80	451.43
681	606661.35	4742177.81	451.26
682	606661.69	4742179.82	451.43
684	606661.87	4742181.39	451.59
685	606661.97	4742181.38	451.48
686	606664.18	4742181.09	451.43
687	606665.05	4742186.92	451.65
688	606662.80	4742187.22	451.73
689	606665.20	4742186.46	451.60
690	606665.09	4742185.73	451.56
691	606660.60	4742181.10	451.79
692	606653.44	4742124.46	449.87
693	606653.51	4742122.87	449.81
694	606651.89	4742126.15	449.60
696	606637.99	4742128.05	449.78
697	606630.41	4742129.09	449.78
698	606623.70	4742130.11	449.77
699	606623.03	4742125.57	449.41
700	606629.66	4742124.19	449.47
701	606619.60	4742130.66	449.78
702	606613.04	4742131.60	449.88
703	606612.61	4742128.38	449.62
704	606605.79	4742129.04	449.66
705	606606.28	4742132.55	449.91
707	606604.51	4742120.12	448.99
708	606611.36	4742119.13	448.86
709	606621.80	4742117.66	448.75
710	606628.57	4742116.64	448.77

711	606636.95	4742115.51	448.78
712	606650.14	4742113.56	449.04
713	606651.87	4742114.41	449.27
714	606652.87	4742115.90	449.37
715	606653.29	4742120.39	449.66
719	606657.94	4742138.07	450.00
721	606658.58	4742140.05	450.04
723	606659.12	4742143.65	450.18
725	606659.20	4742144.15	450.22
726	606656.59	4742144.11	450.27
727	606657.78	4742143.68	450.38
728	606656.97	4742138.23	450.17
729	606654.89	4742137.11	450.09
731	606653.64	4742135.77	450.05
732	606653.73	4742137.82	450.26
734	606652.78	4742139.13	450.21
735	606649.99	4742103.72	449.08
736	606649.06	4742105.76	448.95
737	606649.06	4742105.64	448.98
738	606647.06	4742105.91	448.95
739	606647.05	4742106.03	448.93
740	606646.06	4742106.23	448.89
742	606646.16	4742106.90	448.86
743	606650.06	4742105.66	448.94
744	606650.02	4742105.57	449.08
745	606650.07	4742106.26	448.96
746	606643.57	4742109.52	448.85
747	606637.83	4742110.62	448.77
748	606638.54	4742107.36	448.74
749	606638.33	4742106.02	448.97
750	606638.43	4742106.71	448.92
751	606637.66	4742106.82	448.92
752	606637.34	4742105.57	448.98
753	606635.41	4742106.47	448.95
754	606629.12	4742107.23	448.94
755	606628.06	4742106.88	448.98
757	606628.84	4742108.67	448.80
758	606629.07	4742110.46	448.73
759	606628.97	4742110.53	448.76
760	606622.50	4742111.43	448.75
761	606624.01	4742111.45	448.75

762	606622.54	4742109.54	448.80
763	606621.32	4742108.83	448.88
764	606620.84	4742107.93	448.96
765	606609.95	4742109.52	448.98
766	606611.86	4742111.13	448.88
767	606612.19	4742112.97	448.84
768	606615.69	4742113.06	448.83
769	606617.76	4742113.50	448.82
770	606602.47	4742114.37	448.96
771	606602.39	4742114.35	448.93
772	606602.13	4742112.59	448.89
774	606601.64	4742112.87	448.91
775	606602.76	4742110.53	449.00
776	606601.47	4742115.68	448.98
777	606593.66	4742117.02	449.18
778	606592.49	4742113.96	449.14
780	606591.53	4742112.16	449.29
781	606588.14	4742112.86	449.42
782	606585.58	4742113.41	449.52
783	606582.06	4742113.88	449.61
784	606579.92	4742114.29	449.65
785	606582.30	4742116.06	449.52
786	606585.78	4742115.55	449.39
787	606587.18	4742117.60	449.40
788	606585.76	4742114.91	449.37
790	606584.88	4742115.04	449.39
791	606583.18	4742115.27	449.46
792	606582.19	4742115.41	449.50
794	606579.37	4742115.25	449.55
795	606577.25	4742113.89	449.57
796	606576.14	4742112.30	449.57
798	606575.81	4742111.28	449.55
799	606575.55	4742109.80	449.55
800	606575.41	4742108.61	449.56
801	606575.52	4742108.69	449.73
802	606577.87	4742108.22	449.60
803	606577.98	4742108.30	449.75
804	606577.40	4742105.03	449.50
805	606577.50	4742105.02	449.65
806	606579.31	4742104.97	449.66
807	606580.61	4742113.70	449.65

808	606577.04	4742111.91	449.69
809	606576.57	4742108.92	449.73
810	606586.81	4742122.00	449.51
811	606583.24	4742122.53	449.65
812	606583.00	4742121.20	449.48
813	606583.03	4742121.33	449.61
814	606583.87	4742121.11	449.45
815	606585.68	4742120.83	449.38
816	606586.61	4742120.67	449.34
817	606591.87	4742121.93	449.35
818	606584.67	4742122.94	449.62
819	606580.62	4742123.54	449.80
820	606581.54	4742128.43	450.05
821	606581.09	4742125.99	449.98
822	606580.47	4742128.77	450.04
823	606582.39	4742133.04	450.17
824	606583.60	4742134.96	450.11
825	606585.60	4742135.50	450.02
826	606588.60	4742155.96	450.92
827	606588.29	4742153.90	450.84
828	606585.73	4742157.08	450.80
831	606585.37	4742154.42	450.69
832	606582.91	4742154.74	450.61
834	606584.22	4742154.40	450.77
835	606583.38	4742148.47	450.45
836	606585.90	4742146.80	450.33
837	606585.68	4742145.43	450.23
838	606586.85	4742145.24	450.20
839	606587.16	4742145.75	450.24
840	606586.37	4742144.61	450.17
841	606590.01	4742144.01	450.12
842	606586.20	4742143.23	450.04
843	606586.20	4742143.33	450.16
844	606587.02	4742143.16	450.02
845	606588.84	4742142.88	449.97
846	606589.91	4742142.73	449.98
847	606589.82	4742142.85	450.08
849	606590.09	4742143.90	449.99
852	606596.03	4742143.07	449.92
853	606596.24	4742143.09	450.01
854	606596.21	4742142.81	449.95

855	606595.78	4742142.82	449.90
856	606594.62	4742144.69	450.09
857	606597.84	4742144.23	450.07
858	606600.94	4742143.79	450.05
859	606602.22	4742141.92	449.84
860	606602.31	4742142.20	449.92
861	606602.45	4742142.12	449.79
862	606605.64	4742141.66	449.76
863	606605.66	4742141.76	449.89
864	606605.18	4742141.43	449.83
865	606603.06	4742143.49	449.98
866	606607.00	4742142.95	449.92
867	606605.39	4742139.89	449.77
868	606605.51	4742139.91	449.79
869	606613.00	4742138.82	449.77
870	606613.29	4742140.57	449.82
871	606610.67	4742139.60	449.81
872	606619.48	4742137.57	449.74
873	606620.44	4742137.57	449.73
874	606618.34	4742138.06	449.73
875	606618.83	4742139.76	449.80
876	606627.60	4742138.56	449.77
877	606627.56	4742136.73	449.69
878	606633.11	4742135.93	449.69
879	606633.26	4742135.95	449.67
880	606633.51	4742137.66	449.68
882	606634.00	4742137.40	449.69
883	606632.70	4742139.35	449.81
884	606636.52	4742138.78	449.86
885	606636.38	4742137.28	449.74
887	606636.86	4742137.10	449.75
888	606638.81	4742138.46	449.89
889	606641.86	4742138.03	449.92
890	606642.54	4742136.26	449.81
894	606647.88	4742137.12	449.96
897	606651.69	4742135.10	449.87
899	606652.39	4742136.46	450.05
900	606654.29	4742135.22	449.92
901	606655.97	4742135.99	449.98
902	606655.30	4742132.39	449.89
903	606645.94	4742133.22	449.79

904	606633.62	4742134.79	449.68
905	606631.36	4742134.67	449.72
906	606621.44	4742135.42	449.76
907	606613.29	4742136.63	449.80
908	606606.95	4742137.46	449.81
909	606603.70	4742138.22	449.78
910	606596.32	4742139.26	449.85
911	606595.20	4742134.10	449.99
912	606589.45	4742140.41	449.91
913	606582.76	4742141.03	450.02
914	606579.31	4742138.99	450.08
915	606581.32	4742143.32	450.15
916	606579.58	4742142.88	450.22
917	606575.75	4742079.81	448.97
918	606644.00	4742061.45	446.32
919	606646.55	4742062.02	446.47
920	606647.76	4742063.07	446.54
921	606649.00	4742065.25	446.73
922	606641.18	4742061.90	446.27
923	606641.54	4742064.39	446.32
924	606631.12	4742065.93	446.36
925	606618.65	4742067.76	446.48
926	606618.32	4742065.31	446.50
927	606617.62	4742060.24	446.43
928	606617.13	4742056.81	446.49
929	606639.90	4742053.65	446.33
930	606649.38	4742068.27	446.87
931	606642.80	4742055.40	446.30
932	606645.37	4742054.07	446.38
933	606646.76	4742050.09	446.24
934	606646.35	4742046.47	446.07
935	606640.30	4742055.76	446.22
936	606642.27	4742051.38	446.49
938	606588.99	4742060.83	447.39
939	606599.34	4742059.29	446.87
940	606599.45	4742059.38	446.87
941	606599.89	4742062.79	446.86
942	606600.49	4742066.78	446.91
944	606590.75	4742071.68	447.41
945	606583.88	4742072.66	447.69
946	606577.94	4742073.52	448.04

947	606577.56	4742071.10	447.97
949	606576.67	4742064.96	448.01
950	606560.41	4742003.29	446.87
951	606562.84	4742002.99	446.89
952	606565.22	4742018.87	446.97
953	606568.50	4742042.06	447.58
954	606570.78	4742058.44	448.27
955	606568.42	4742058.80	448.21
956	606568.86	4742062.27	448.49
957	606560.02	4742000.12	446.87
958	606562.44	4741999.74	446.94
959	606561.24	4741991.52	446.91
960	606559.81	4741981.21	446.80
961	606549.62	4741965.71	446.54
962	606554.09	4741965.06	446.33
963	606553.48	4741960.68	446.31
964	606550.25	4741961.11	446.51
965	606551.16	4741959.67	446.41
966	606553.09	4741957.35	446.31
967	606551.76	4741953.87	446.40
968	606557.05	4741953.15	446.13
969	606554.98	4741958.14	446.37
970	606555.97	4741964.39	446.58
971	606554.74	4741964.98	446.39
972	606554.45	4741962.64	446.32
973	606554.35	4741960.13	446.27
974	606554.62	4741958.24	446.19
976	606555.80	4741955.43	446.16
977	606557.51	4741953.61	446.09
978	606559.84	4741952.54	446.06
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981	606557.92	4741953.95	446.13
982	606555.94	4741957.06	446.23
983	606557.06	4741962.64	446.30
984	606561.53	4741956.22	446.03
985	606561.00	4741952.72	445.97
986	606562.73	4741955.09	445.82
987	606562.92	4741956.42	445.84
988	606567.66	4741955.69	445.59
989	606569.03	4741951.06	445.39

990	606562.46	4741952.20	445.75
995	606562.22	4741952.16	445.98
996	606562.63	4741955.11	445.94
997	606562.84	4741956.54	445.96
998	606567.67	4741955.79	445.71
999	606554.82	4741964.86	446.51
1000	606554.55	4741962.63	446.32
1001	606554.45	4741960.13	446.27
1002	606554.71	4741958.27	446.31
1003	606555.88	4741955.48	446.28
1004	606557.57	4741953.70	446.21
1005	606559.87	4741952.64	446.18
1006	606557.50	4741964.54	446.58
1007	606557.41	4741964.65	446.46
1008	606652.99	4742103.76	448.94
1009	606653.88	4742099.77	448.62
1010	606653.47	4742097.44	448.49
1011	606646.04	4742106.11	449.01
1012	606638.53	4742107.25	448.86
1013	606628.65	4742108.57	448.91
1014	606622.52	4742109.42	448.81
1015	606611.84	4742111.01	448.89
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1018	606585.74	4742114.80	449.49
1019	606576.22	4742112.24	449.68
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1021	606579.41	4742115.15	449.66
1022	606582.19	4742115.31	449.61
1023	606583.19	4742115.16	449.46
1024	606584.85	4742114.92	449.40
1025	606575.91	4742111.26	449.57
1026	606575.65	4742109.78	449.57
1027	606586.62	4742120.77	449.45
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1029	606602.93	4742118.49	448.92
1030	606603.03	4742118.52	448.96
1031	606609.38	4742117.54	448.81
1032	606617.99	4742116.33	448.68
1033	606621.59	4742115.81	448.64
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1037	606649.98	4742111.73	448.85
1038	606652.42	4742112.06	448.94
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1040	606655.74	4742116.07	449.28
1041	606656.10	4742119.91	449.46
1042	606656.37	4742122.45	449.63
1043	606656.22	4742124.93	449.70
1044	606654.65	4742127.45	449.78
1045	606651.76	4742128.96	449.70
1046	606644.50	4742130.01	449.69
1047	606638.04	4742130.91	449.65
1048	606632.68	4742131.65	449.67
1049	606622.61	4742133.09	449.69
1050	606611.58	4742134.63	449.79
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1054	606577.94	4742122.74	449.73
1055	606578.33	4742126.46	449.76
1056	606578.97	4742130.01	449.90
1057	606579.51	4742132.99	450.08
1058	606580.48	4742135.83	450.05
1059	606581.65	4742137.06	450.03
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1061	606585.83	4742157.07	450.92
1062	606585.46	4742154.31	450.81
1063	606582.99	4742154.62	450.73
1064	606582.53	4742151.07	450.55
1066	606582.50	4742149.49	450.47
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1068	606583.20	4742145.41	450.43
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1072	606627.62	4742138.66	449.78
1073	606633.53	4742137.76	449.79
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1075	606642.55	4742136.36	449.92
1078	606651.68	4742135.20	449.98

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1080	606655.91	4742136.07	450.09
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1088	606627.80	4742363.58	457.06
1089	606631.21	4742365.62	457.07
1090	606633.89	4742366.72	457.07
1091	606635.93	4742367.50	457.02
1092	606641.36	4742368.88	456.95
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1094	606652.87	4742368.94	456.68
1095	606656.34	4742368.25	456.55
1096	606660.23	4742367.01	456.48
1097	606664.80	4742364.91	456.41
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1100	606676.78	4742354.12	456.11
1101	606678.40	4742351.80	456.05
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1105	606682.64	4742340.14	455.86
1106	606639.04	4742387.97	457.04
1107	606638.80	4742386.11	456.88
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1109	606638.54	4742383.05	456.94
1110	606640.31	4742380.56	456.99
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1112	606647.84	4742378.39	456.81
1113	606654.00	4742377.51	456.69
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1116	606674.61	4742368.59	456.32
1117	606680.19	4742363.35	456.18
1118	606682.99	4742360.29	456.11
1119	606685.76	4742356.09	456.00

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1121	606690.44	4742344.77	455.82
1122	606633.74	4742388.72	457.15
1123	606633.58	4742387.72	457.07
1124	606633.41	4742386.79	457.04
1125	606633.16	4742384.72	457.01
1126	606631.51	4742382.09	457.13
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1130	606624.82	4742386.24	457.29
1131	606613.75	4742387.83	457.67
1132	606613.15	4742383.57	457.56
1133	606606.72	4742384.54	457.78
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1135	606596.21	4742379.55	458.06
1136	606605.85	4742378.31	457.75
1137	606612.46	4742377.26	457.53
1138	606613.56	4742377.10	457.41
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1142	606618.34	4742373.05	457.19
1143	606618.51	4742370.45	457.15
1144	606618.20	4742367.35	457.13
1145	606617.83	4742366.83	457.21
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1147	606608.75	4742363.63	457.45
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1153	606662.70	4742187.24	451.84
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1156	606659.89	4742168.93	451.31
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1159	606473.87	4742154.48	454.75
1160	606473.49	4742150.43	454.66
1161	606473.40	4742149.43	454.62
1162	606473.21	4742147.80	454.59

1163	606473.08	4742145.74	454.56
1164	606472.81	4742142.17	454.49
1165	606472.72	4742140.69	454.45
1166	606472.53	4742134.97	454.32
1167	606472.47	4742133.96	454.31
1168	606472.02	4742132.53	454.33
1169	606470.67	4742131.67	454.37
1170	606469.22	4742131.41	454.41
1171	606468.24	4742131.42	454.41
1172	606466.70	4742131.40	454.45
1173	606465.68	4742131.36	454.49
1174	606462.27	4742131.27	454.58
1176	606462.24	4742133.18	454.71
1177	606467.24	4742133.30	454.65
1178	606469.11	4742133.46	454.60
1179	606469.61	4742133.40	454.55
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1181	606470.38	4742135.01	454.54
1186	606472.27	4742142.46	454.58
1190	606472.59	4742154.43	454.91
1191	606472.25	4742151.32	454.81
1192	606471.73	4742146.35	454.71
1193	606471.41	4742141.67	454.62
1194	606471.25	4742138.65	454.56
1195	606471.15	4742135.06	454.51
1196	606469.61	4742130.77	454.43
1197	606465.65	4742130.62	454.53
1198	606465.82	4742126.22	454.53
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1205	606470.86	4742125.27	454.28
1207	606472.02	4742124.42	454.19
1208	606472.68	4742122.53	454.06
1209	606472.63	4742121.51	453.98
1210	606472.66	4742120.00	453.91
1211	606472.65	4742118.95	453.88
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1217	606471.64	4742118.84	454.06
1218	606471.96	4742122.72	454.30
1219	606470.91	4742124.45	454.43
1223	606461.91	4742123.39	454.80
1224	606470.66	4742123.72	454.47
1225	606469.87	4742123.78	454.51
1226	606470.82	4742114.64	453.87
1228	606478.82	4742114.09	453.69
1229	606478.74	4742119.09	453.89
1230	606478.77	4742119.94	453.93
1231	606478.76	4742121.56	453.96
1232	606478.71	4742122.57	454.03
1233	606479.20	4742124.21	454.11
1234	606481.46	4742125.48	454.11
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1238	606479.74	4742122.66	454.18
1239	606479.77	4742119.14	454.04
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1253	606475.63	4742115.89	453.82
1254	606474.51	4742126.46	454.27
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1257	606474.96	4742132.03	454.27
1258	606478.59	4742131.90	454.20
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1262	606472.43	4742132.06	454.32
1263	606473.45	4742134.17	454.31
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1265	606480.89	4742128.90	454.17
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1279	606480.02	4742151.66	454.72
1280	606481.20	4742152.97	454.71
1281	606482.91	4742153.17	454.69
1284	606480.88	4742150.85	454.85
1285	606480.25	4742148.05	454.71
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1288	606480.41	4742145.42	454.64
1291	606481.79	4742131.66	454.20
1292	606481.82	4742133.57	454.27
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1297	606486.08	4742133.54	454.13
1298	606480.76	4742138.18	454.48
1299	606481.14	4742144.96	454.66
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1301	606478.73	4742149.64	454.68
1302	606478.22	4742145.65	454.53
1303	606473.85	4742146.21	454.55
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1309	606475.62	4742136.07	454.30
1310	606477.62	4742180.52	455.37
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1312	606479.38	4742192.61	455.61
1313	606477.16	4742193.03	455.66
1315	606476.73	4742189.78	455.59
1316	606476.47	4742188.19	455.54
1317	606475.94	4742184.19	455.49
1318	606475.70	4742182.61	455.43
1321	606474.98	4742177.67	455.32
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1324	606474.18	4742192.55	455.85
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1331	606475.36	4742189.80	455.75
1334	606483.56	4742183.03	455.44
1335	606487.04	4742241.01	456.70
1336	606487.63	4742244.87	456.81
1337	606492.04	4742244.14	456.79
1338	606491.46	4742239.38	456.70
1339	606486.67	4742240.12	456.68
1340	606487.72	4742248.54	456.87
1341	606488.91	4742256.53	457.08
1342	606490.31	4742251.33	457.00
1343	606487.07	4742248.70	456.86
1344	606494.30	4742256.05	457.10
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1346	606485.45	4742253.07	456.97
1347	606484.90	4742255.24	456.99
1348	606484.23	4742250.98	456.90
1349	606480.54	4742251.50	456.83
1350	606479.30	4742251.37	456.85
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1354	606483.54	4742256.31	456.93
1355	606485.53	4742255.96	456.99
1356	606487.56	4742256.43	457.06
1357	606488.72	4742258.20	457.08
1358	606489.16	4742261.29	457.21
1362	606479.79	4742258.20	457.02
1363	606485.50	4742257.52	456.80
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1366	606478.96	4742249.68	456.53
1367	606484.40	4742248.83	456.57
1368	606484.31	4742248.54	456.56

1369	606485.27	4742247.63	456.55
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1371	606485.51	4742246.47	456.54
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1374	606484.28	4742237.79	456.32
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1376	606479.18	4742250.83	456.80
1378	606481.07	4742250.59	456.84
1379	606482.68	4742250.39	456.86
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1382	606485.87	4742249.45	456.96
1383	606487.11	4742247.59	456.87
1384	606487.00	4742246.20	456.86
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1387	606486.49	4742242.58	456.74
1388	606486.19	4742240.55	456.71
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1391	606485.59	4742238.63	456.69
1392	606483.36	4742233.99	456.60
1394	606484.95	4742232.62	456.51
1396	606484.62	4742239.79	456.89
1397	606483.05	4742236.55	456.82
1398	606481.92	4742234.47	456.78
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1403	606486.62	4742233.41	456.58
1404	606489.32	4742232.83	456.58
1406	606490.89	4742231.14	456.54
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1409	606492.70	4742243.41	456.76
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1415	606496.21	4742248.42	456.89
1416	606500.61	4742247.80	456.80
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1421	606492.49	4742232.46	456.73

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1423	606495.98	4742255.97	457.32
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1426	606495.34	4742262.30	457.33
1427	606494.92	4742259.28	457.24
1428	606494.51	4742256.28	457.13
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1433	606499.05	4742254.05	456.92
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1438	606492.40	4742252.33	457.06
1439	606491.87	4742256.46	457.16
1440	606492.66	4742261.54	457.31
1441	606489.47	4742263.50	457.31
1442	606490.19	4742247.11	456.93
1443	606489.17	4742240.06	456.73
1444	606488.35	4742234.83	456.61
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1446	606667.90	4742223.71	453.23
1447	606667.08	4742217.96	453.01
1448	606669.59	4742234.47	453.65
1449	606479.28	4742256.94	456.91
1450	606481.94	4742256.61	456.91
1451	606483.56	4742256.40	456.95
1452	606485.53	4742256.07	457.11
1453	606487.50	4742256.52	457.18
1454	606488.63	4742258.24	457.20
1455	606489.06	4742261.30	457.33
1456	606489.38	4742263.51	457.43
1457	606495.44	4742262.29	457.45
1458	606495.02	4742259.26	457.36
1459	606494.61	4742256.27	457.25
1460	606494.68	4742255.38	457.18
1461	606495.76	4742254.66	457.12
1462	606499.06	4742254.15	457.04
1463	606501.89	4742253.79	456.97
1464	606490.99	4742231.13	456.68
1465	606492.21	4742239.81	456.84
1466	606492.51	4742241.75	456.76

1467	606492.80	4742243.40	456.78
1468	606493.04	4742245.45	456.97
1469	606493.24	4742246.56	457.02
1470	606494.58	4742248.08	457.03
1471	606496.21	4742248.32	457.03
1472	606500.60	4742247.70	456.94
1473	606479.16	4742250.73	456.94
1474	606481.06	4742250.49	456.86
1475	606482.66	4742250.29	456.88
1476	606484.67	4742249.97	457.03
1477	606485.80	4742249.38	457.10
1478	606487.01	4742247.57	457.01
1479	606486.90	4742246.21	457.00
1480	606486.63	4742244.17	456.80
1481	606486.39	4742242.60	456.76
1482	606486.10	4742240.57	456.85
1483	606485.86	4742239.49	456.83
1484	606485.50	4742238.67	456.83
1485	606483.27	4742234.03	456.74
1486	606477.06	4742193.04	455.81
1487	606476.63	4742189.80	455.74
1488	606476.38	4742188.21	455.57
1489	606475.84	4742184.20	455.52
1490	606475.60	4742182.62	455.58
1491	606474.88	4742177.69	455.47
1492	606473.77	4742154.49	454.86
1493	606473.39	4742150.44	454.77
1494	606473.30	4742149.44	454.64
1495	606473.11	4742147.81	454.61
1496	606472.98	4742145.75	454.67
1497	606472.71	4742142.17	454.60
1498	606472.62	4742140.70	454.56
1499	606472.43	4742134.98	454.43
1500	606472.37	4742133.98	454.42
1501	606471.94	4742132.60	454.44
1502	606470.64	4742131.77	454.48
1503	606469.21	4742131.51	454.52
1504	606468.24	4742131.52	454.43
1505	606466.69	4742131.50	454.47
1506	606465.68	4742131.46	454.60
1507	606462.27	4742131.37	454.69

1508	606462.40	4742125.17	454.73
1509	606465.83	4742125.27	454.63
1510	606466.81	4742125.28	454.51
1511	606468.36	4742125.31	454.43
1512	606469.34	4742125.38	454.48
1513	606470.82	4742125.18	454.40
1514	606471.94	4742124.35	454.31
1515	606472.58	4742122.51	454.18
1516	606472.53	4742121.51	454.01
1517	606472.56	4742120.00	453.94
1518	606472.55	4742118.95	454.00
1519	606472.66	4742114.85	453.82
1520	606478.92	4742114.10	453.81
1521	606478.84	4742119.09	454.01
1522	606478.87	4742119.94	453.96
1523	606478.86	4742121.56	453.99
1524	606478.81	4742122.56	454.15
1525	606479.28	4742124.14	454.23
1526	606481.49	4742125.38	454.23
1527	606484.06	4742125.52	454.16
1528	606485.91	4742131.62	454.08
1530	606480.91	4742131.68	454.22
1531	606479.09	4742132.94	454.28
1532	606478.60	4742134.71	454.30
1533	606478.60	4742135.76	454.33
1534	606478.79	4742139.68	454.40
1535	606479.08	4742144.76	454.57
1536	606479.23	4742146.74	454.55
1537	606479.44	4742148.40	454.61
1538	606479.57	4742150.41	454.80
1539	606480.10	4742151.60	454.84
1540	606481.25	4742152.88	454.83
1541	606482.92	4742153.07	454.81
1542	606649.24	4742097.63	448.65
1544	606571.99	4742073.20	448.45
1545	606575.01	4742071.40	448.22
1546	606573.75	4742080.04	448.94
1547	606571.48	4742080.39	448.72
1548	606570.90	4742075.81	448.56
1549	606641.78	4742046.99	446.33

Zizur Mayor, 11 febrero de 2026.

A handwritten signature in black ink, consisting of a large, stylized 'G' followed by several loops and a final horizontal stroke.

Fdo.: Guillermo Muerza Esparza
Ingeniero en Geomática y Topografía
Nº de colegiado: 1914