

DISTANCIA ENTRE EJES
 (normales a: FFCC PLANTA MODIFICADA)

<u>Estación</u>	<u>Dist.</u>	<u>Coor. X</u>	<u>Coor. Y</u>	<u>Acimut</u>
50+900,000	0,000	556.612,971	4.745.738,754	297,5665
50+900,000		556.612,971	4.745.738,754	297,5665
51+000,000	0,019	556.513,045	4.745.734,914	297,5196
51+000,000		556.513,044	4.745.734,932	297,5665
51+100,000	0,204	556.413,126	4.745.730,881	297,3178
51+100,001		556.413,117	4.745.731,084	297,5039
51+200,000	0,586	556.313,226	4.745.726,406	296,9566
51+200,004		556.313,198	4.745.726,991	297,2514
51+300,000	1,112	556.213,360	4.745.721,240	296,4360
51+300,012		556.213,298	4.745.722,350	296,8055
51+400,000	1,729	556.113,547	4.745.715,132	295,7564
51+400,029		556.113,432	4.745.716,857	296,1659
51+500,000	2,331	556.013,811	4.745.707,885	295,0075
51+500,055		556.013,628	4.745.710,209	295,3338
51+600,000	2,718	555.914,167	4.745.699,464	294,2585
51+600,086		555.913,922	4.745.702,171	294,4240
51+700,000	2,852	555.814,628	4.745.689,872	293,5095
51+700,119		555.814,338	4.745.692,709	293,5143
51+800,000	2,733	555.715,210	4.745.679,110	292,7606
51+800,152		555.714,900	4.745.681,825	292,6045
51+900,000	2,361	555.615,925	4.745.667,178	292,0116
51+900,183		555.615,629	4.745.669,521	291,6948
52+000,000	1,737	555.516,787	4.745.654,080	291,2626
52+000,209		555.516,549	4.745.655,801	290,7851
52+100,000	0,861	555.417,810	4.745.639,816	290,5137
52+100,229		555.417,682	4.745.640,667	289,8754
52+200,000	-0,268	555.319,008	4.745.624,388	289,7647
52+200,239		555.319,051	4.745.624,124	288,9659
52+300,000	-1,649	555.220,394	4.745.607,800	289,0158
52+300,237		555.220,677	4.745.606,175	288,0565
52+400,000	-3,281	555.121,982	4.745.590,052	288,2668
52+400,222		555.122,583	4.745.586,826	287,1471
52+500,000	-5,165	555.023,786	4.745.571,148	287,5178
52+500,190		555.024,792	4.745.566,082	286,2380
52+600,000	-7,300	554.925,818	4.745.551,090	286,7689
52+600,140		554.927,325	4.745.543,947	285,3290
52+700,000	-9,685	554.828,094	4.745.529,881	286,0199
52+700,069		554.830,204	4.745.520,428	284,4202

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52+800,000 52+799,974	-12,321	554.730,626 554.733,451	4.745.507,523 4.745.495,531	285,2709 283,5116
52+900,000 52+899,854	-15,206	554.633,428 554.637,088	4.745.484,021 4.745.469,262	284,5220 282,6032
53+000,000 52+999,706	-18,340	554.536,513 554.541,137	4.745.459,376 4.745.441,629	283,7730 281,6951
53+100,000 53+099,528	-21,722	554.439,894 554.445,618	4.745.433,594 4.745.412,639	283,0240 280,7872
53+200,000 53+199,318	-25,352	554.343,586 554.350,553	4.745.406,676 4.745.382,301	282,2751 279,8797
53+300,000 53+299,072	-29,228	554.247,600 554.255,963	4.745.378,627 4.745.350,621	281,5261 278,9725
53+400,000 53+398,790	-33,350	554.151,952 554.161,870	4.745.349,451 4.745.317,609	280,7771 278,0656
53+500,000 53+498,468	-37,718	554.056,653 554.068,293	4.745.319,151 4.745.283,274	280,0282 277,1591
53+600,000 53+598,104	-42,330	553.961,718 553.975,253	4.745.287,733 4.745.247,626	279,2792 276,2529
53+700,000 53+697,696	-47,185	553.867,158 553.882,771	4.745.255,200 4.745.210,673	278,5303 275,3472
53+800,000 53+797,242	-52,282	553.772,988 553.790,867	4.745.221,557 4.745.172,427	277,7813 274,4418
53+900,000 53+896,739	-57,621	553.679,220 553.699,560	4.745.186,808 4.745.132,897	277,0323 273,5370
54+000,000 53+996,185	-63,199	553.585,868 553.608,871	4.745.150,958 4.745.092,094	276,2834 272,6325
54+100,000 54+095,578	-69,017	553.492,943 553.518,819	4.745.114,013 4.745.050,030	275,5344 271,7286
54+200,000 54+194,915	-75,072	553.400,460 553.429,423	4.745.075,977 4.745.006,717	274,7854 270,8252
54+300,000 54+294,195	-81,364	553.308,431 553.340,702	4.745.036,856 4.744.962,165	274,0365 269,9223
54+400,000 54+393,414	-87,891	553.216,868 553.252,674	4.744.996,654 4.744.916,388	273,2875 269,0199
54+500,000 54+492,572	-94,652	553.125,785 553.165,359	4.744.955,379 4.744.869,397	272,5385 268,1181
54+600,000	-101,645	553.035,193	4.744.913,034	271,7896

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<u>Estación</u>	<u>Dist.</u>	<u>Coor. X</u>	<u>Coor. Y</u>	<u>Acimut</u>
54+591,664		553.078,775	4.744.821,207	267,2169
54+700,000	-108,869	552.945,106	4.744.869,627	271,0406
54+690,690		552.992,939	4.744.771,829	266,3163
54+800,000	-116,323	552.855,535	4.744.825,163	270,2916
54+789,647		552.907,870	4.744.721,278	265,4164
54+900,000	-124,005	552.766,494	4.744.779,648	269,5427
54+888,532		552.823,584	4.744.669,566	264,5170
55+000,000	-131,913	552.677,995	4.744.733,089	268,7937
54+987,344		552.740,099	4.744.616,710	263,6184
55+100,000	-140,046	552.590,050	4.744.685,492	268,0447
55+086,080		552.657,431	4.744.562,721	262,7204
55+200,000	-148,403	552.502,670	4.744.636,864	267,2958
55+184,738		552.575,598	4.744.507,617	261,8232
55+300,000	-156,969	552.415,869	4.744.587,211	266,5468
55+283,315		552.494,609	4.744.451,420	260,9626
55+400,000	-165,571	552.329,658	4.744.536,541	265,7979
55+381,794		552.414,392	4.744.394,295	260,2771
55+500,000	-173,920	552.244,049	4.744.484,859	265,0489
55+480,152		552.334,808	4.744.336,498	259,7796
55+600,000	-181,727	552.159,053	4.744.432,174	264,2999
55+578,370		552.255,704	4.744.278,280	259,4697
55+700,000	-188,704	552.074,684	4.744.378,493	263,5510
55+676,439		552.176,918	4.744.219,882	259,3465
55+800,000	-194,540	551.990,952	4.744.323,823	262,8020
55+774,358		552.098,264	4.744.161,558	259,4727
55+900,000	-198,769	551.907,859	4.744.268,186	262,0965
55+872,271		552.019,334	4.744.103,618	259,9631
56+000,000	-200,999	551.825,322	4.744.211,728	261,5450
55+970,565		551.939,485	4.744.046,297	260,8241
56+100,000	-200,881	551.743,205	4.744.154,659	261,1528
56+069,328		551.858,318	4.743.990,032	262,0604
56+200,000	-198,167	551.661,369	4.744.097,188	260,9199
56+168,637		551.775,520	4.743.935,201	263,4653
56+300,000	-192,987	551.579,672	4.744.039,521	260,8466
56+268,547		551.691,021	4.743.881,896	264,8787
56+400,000	-185,589	551.497,929	4.743.981,918	261,0604
56+369,453		551.604,499	4.743.829,977	266,3063

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56+500,000 56+471,595	-176,463	551.415,815 551.515,755	4.743.924,846 4.743.779,411	261,6710 267,7513
56+600,000 56+574,813	-166,202	551.332,983 551.424,932	4.743.868,822 4.743.730,372	262,6784 269,2115
56+700,000 56+678,914	-155,430	551.249,105 551.332,219	4.743.814,378 4.743.683,036	264,0825 270,6842
56+800,000 56+783,392	-144,765	551.163,915 551.238,093	4.743.762,015 4.743.637,698	265,7512 272,1623
56+900,000 56+887,577	-134,454	551.077,376 551.143,208	4.743.711,910 4.743.594,675	267,4265 273,6362
57+000,000 56+991,461	-124,504	550.989,548 551.047,631	4.743.664,100 4.743.553,975	269,1018 275,1059
57+100,000 57+095,055	-114,917	550.900,494 550.951,411	4.743.618,618 4.743.515,597	270,7771 276,5714
57+200,000 57+198,370	-105,699	550.810,273 550.854,596	4.743.575,494 4.743.479,538	272,4524 278,0330
57+300,000 57+301,414	-96,852	550.718,949 550.757,235	4.743.534,760 4.743.445,796	274,1277 279,4908
57+400,000 57+404,201	-88,381	550.626,584 550.659,373	4.743.496,442 4.743.414,369	275,8030 280,9449
57+500,000 57+506,739	-80,288	550.533,243 550.561,058	4.743.460,568 4.743.385,252	277,4784 282,3956
57+600,000 57+609,041	-72,576	550.438,991 550.462,334	4.743.427,163 4.743.358,443	279,1537 283,8428
57+700,000 57+711,117	-65,249	550.343,892 550.363,246	4.743.396,249 4.743.333,937	280,8290 285,2869
57+800,000 57+812,978	-58,308	550.248,013 550.263,837	4.743.367,848 4.743.311,728	282,5043 286,7280
57+900,000 57+914,637	-51,757	550.151,420 550.164,150	4.743.341,980 4.743.291,813	284,1796 288,1661
58+000,000 58+016,104	-45,598	550.054,179 550.064,228	4.743.318,663 4.743.274,186	285,8549 289,6016
58+100,000 58+117,392	-39,832	549.956,359 549.964,111	4.743.297,912 4.743.258,842	287,5303 291,0345
58+200,000 58+218,511	-34,463	549.858,026 549.863,842	4.743.279,743 4.743.245,774	289,2056 292,4651
58+300,000 58+319,474	-29,491	549.759,250 549.763,460	4.743.264,167 4.743.234,978	290,8809 293,8934

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<u>Estación</u>	<u>Dist.</u>	<u>Coor. X</u>	<u>Coor. Y</u>	<u>Acimut</u>
58+400,000 58+420,293	-24,918	549.660,098 549.663,005	4.743.251,195 4.743.226,447	292,5562 295,3197
58+500,000 58+520,980	-20,747	549.560,638 549.562,516	4.743.240,837 4.743.220,175	294,2315 296,7441
58+600,000 58+621,546	-16,978	549.460,941 549.462,032	4.743.233,100 4.743.216,157	295,9068 298,1669
58+700,000 58+722,004	-13,613	549.361,075 549.361,592	4.743.227,988 4.743.214,386	297,5821 299,5881
58+800,000 58+822,366	-10,652	549.261,108 549.261,233	4.743.225,507 4.743.214,855	299,2575 301,0079
58+900,000 58+922,645	-8,097	549.161,111 549.160,993	4.743.225,656 4.743.217,560	300,9328 302,4265
59+000,000 59+022,852	-5,949	549.061,153 549.060,909	4.743.228,437 4.743.222,493	302,6081 303,8442
59+100,000 59+123,000	-4,207	548.961,302 548.961,019	4.743.233,846 4.743.229,648	304,2834 305,2610
59+200,000 59+223,101	-2,874	548.861,628 548.861,360	4.743.241,882 4.743.239,020	305,9587 306,6771
59+300,000 59+323,168	-1,949	548.762,201 548.761,968	4.743.252,537 4.743.250,602	307,6340 308,0928
59+400,000 59+423,213	-1,432	548.663,088 548.662,879	4.743.265,804 4.743.264,388	309,3093 309,5081
59+500,000 59+523,248	-1,324	548.564,358 548.564,131	4.743.281,675 4.743.280,371	310,9847 310,9233
59+600,000 59+623,282	-1,546	548.466,065 548.465,764	4.743.300,061 4.743.298,545	312,4945 312,3385
59+700,000 59+723,311	-1,619	548.368,171 548.367,828	4.743.320,470 4.743.318,887	313,6090 313,6982
59+800,000 59+823,328	-1,319	548.270,580 548.270,286	4.743.342,286 4.743.341,000	314,3267 314,5954
59+900,000 59+923,335	-0,853	548.173,170 548.172,976	4.743.364,897 4.743.364,067	314,6477 314,9483
60+000,000 60+023,335	-0,439	548.075,801 548.075,702	4.743.387,683 4.743.387,255	314,5368 314,7573
60+100,000 60+123,333	-0,161	547.978,299 547.978,264	4.743.409,893 4.743.409,736	313,8895 314,0228

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(normales a: FFCC PLANTA MODIFICADA)

<u>Estación</u>	<u>Dist.</u>	<u>Coor. X</u>	<u>Coor. Y</u>	<u>Acimut</u>
60+200,000	-0,020	547.880,488	4.743.430,694	312,6988
60+223,331		547.880,484	4.743.430,674	312,7450
60+300,000	0,000	547.782,228	4.743.449,250	311,0064
60+323,331		547.782,227	4.743.449,249	311,0064