ESTACION	PUNTO	Ang. Horiz.	D horizontal	ΔH	Señal	Norte
P1	P2	0	27,468	-1,524	1,495	9978,96
i=1,495	1R	181,55	48,202	2,722	2	10035,87
	1	181,13	48,376	3,438	2	10036,39
	2	174,56	48,078	5,134	2	
	3	152,56	46,846	12,425	2	
	2R	187,25	46,985	2,533	2	
	4	187,55	46,907	3,27	2	
	5	206,46	43,348	13,941	2	
	6	110,29	28,742	15,117	2	
	7	54,46	28,987	12,369	2	
	8	32,38	27,066	7,003	2	
	9	55,56	17,002	6,195	2	
	10	112,58	13,212	6,747	2	
	11	147,27	19,334	6,471	2	
	12	151,44	25,153	6,062	2	
	13	157,16	27,669	7,147	2	
	14	169,19	21,897	2,262	2	
	15R	171,33	21,549	1,106	2	
	16	152,38	8,515	1,698	2	
	17R	157,19	7,505	0,488	2	
	18	7,44	10,357	-0,218	2	
	19R	5,07	10,407	-0,777	2	
	20	222,16	24,442	10,481	2	
	21R	184,37	22,888	1,195	2	
	22	187,59	22,807	11,23	2	
	23	203,29	24,43	6,12	2	
	24	245,5	15,569	8,896	2	
	25	225,29	12,625	5,181	2	
	26	260,57	16,335	8,597	2	
	27	281,52	9,928	4,055	2	
	28	288,55	16,316	8,909	2	
	29	315,06	18,643	6,025	2	
	30	310,2	27,999	10,477	2	
	31	328,01	16,307	3,463	2	
	32	313,26	11,176	1,934	2	
	33	328,37	12,661	0,585	2	
	34R	330,46	12,304	-0,607	2	
	35	316,09	26,213	7,838	2	
	36	250,27	6,314	0,722	2	
	37R	246,45	5,672	0,047	2	
P2	P1	0	27,467	1,527	1,42	10000,00
i=1,42	P3	178,05	70,771	-3,284	1,42	9923,26
	38RP	1,26	3,05	-0,527	2	9981,25
	39P	326,48	3,285	0,784	2	9982,22
	40P	324,05	6,575	1,998	2	9985,52
	41R	16,03	10,397	0,001	2	

	42	18,49	10,908	1,081	2	
	43R	25,41	7,88	-0,543	2	
	44	25,32	8,923	0,575	2	
	45R	79,06	8,824	-0,639	2	
	46	78,07	9,439	0,215	2	
	47R	123,24	14,881	-1,712	2	
	48	122,31	15,643	0,022	2	
	49R	182,35	5,369	-2,194	2	
	50	187,34	5,254	-1,333	2	
	51R	144,05	17,459	-2,886	2	
	52	143,34	17,584	-2,406	2	
	53R	187,06	15,893	-3,483	2	
	54	188,36	15,904	-2,693	2	
	55R	171,27	21,143	-4,046	2	
	56	170,03	21,056	-2,968	2	
	57R	182,12	29,485	-5,566	2	
	58	183,45	28,451	-4,154	2	
	59R	173,18	33,644	-6,099	2	
	60	171,55	31,763	-4,408	2	
	61R	181,04	36,446	-5,755	2	
	62	182,03	36,492	-4,829	2	
	63	143,28	21,819	-1,526	2	
	64	127,51	25,713	3,049	2	
	65	121,44	31,281	7,979	2	
	66	90,48	27,337	8,287	2	
	67	66,01	20,096	9,411	2	
	68	112,4	18,569	2,432	2	
	69	56,31	12,505	2,55	2	
	70	160,48	33,302	-3,102	2	
	71	148,16	38,025	1,007	2	
	72	143,16	38,891	3,868	2	
	73	145,25	49,819	5,483	2	
	74	153,13	48,423	0,28	2	
	75	160,32	48,798	-3,14	2	
	76	220,09	7,57	2,448	2	
	77	239,02	15,734	4,973	2	
	78	246,4	33,888	11,48	2	
	79	237,24	37,707	11,159	2	
	80	202,46	23,756	1,388	2	
	81	217,57	46,267	6,911	2	
	82	217,54	37,41	-5,567	2	
	83	196,35	18,466	1,423	2	
	84	193,43	34,648	0,376	2,15	
	85	193,25	26,881	-1,585	2,15	
P3	P2	0	70,777	3,275	1,51	9978,97
i=1,51	P4	142,1627	38,927	-6,845	1,51	9884,33
	89	12,16	21,783	-4,139	2	9937,08

	90	9,4047	20,9	-3,416	2	9937,24
	91	9,16	33,915	-2,97	2	
	92	11,26	34,151	-1,754	2	
	93	47,42	15,851	-4,923	2	
	94	42,2	13,95	-4,296	2	
	95	27,53	29,908	0,495	2	
	96	152,51	20,003	-7,29	2	
	97	154,33	19,802	-6,496	2	
	98	38,2	25,242	-1,532	2	
	99	156,38	33,245	-8,431	2	
	100	156,55	33,461	-7,65	2	
	101	36,25	23,565	-4,524	2	
	102	16,36	30,265	-3,665	2	
	103	48,56	19,885	-4,935	2	
	104	50,06	20,169	-4,118	2	
	105	138,06	25,558	-7,967	2	
	106	137,11	25,512	-7,084	2	
	107	130,58	34,702	-9,674	2	
	108	130,18	34,426	-9,151	2	
	109	75,14	18,272	-5,819	2	
	110	76,14	19,757	-4,897	2	
	111	126,09	33,698	-7,74	2	
	112	104,1	16,7	-6,494	2	
	113	103,19	17,97	-5,659	2	
	114	108,55	35,097	-5,066	2	
	115	100,2	38,345	-1,345	2	
	116	80,41	29,198	0,827	2	
	117	92,14	24,392	-4,353	2	
Pie Talud	118	100,02	18,867	-4,447	2	
	119	59,52	30,5	3,251	2	
	120	67,56	27,322	1,388	2	
	121	73,59	21,453	-4,655	2	
	122	58,14	25,36	0,018	2	
	123	46,15	30,654	3,296	2	
	124	5,31	16,345	-2,681	2	
	125	58,25	4,778	-3,9	2	
	126	343,47	16,975	1,675	2	
	127	337,01	9,826	0,246	2	
	128	331,4	5,501	1,11	2	
	129	155,3	11,984	-3,592	2	
	130	6,42	7,918	-1,674	2	
	131	171,12	10,144	-0,336	2	
	132	329,17	31,01	6,432	2	
	133	313,44	25,632	4,899	2	
	134	302,35	19,245	5,617	2	
	135	256,05	12,497	3,255	2	
	136	217,19	16,634	2,785	2	

137	252,23	19,838	8,498	2
138	224,56	17,753	6,832	2
139	216,15	27,728	8,34	2
140	204,3	24,258	2,051	2
141	209,56	29,374	5,849	2
142	194,45	36,56	2,019	2
143	201,3	34,959	3,347	2
144	184,2	28,267	-0,867	2
145	186,24	24,628	-0,875	2
146	166,25	16,906	-2,886	2
147	168,42	32,257	-3,087	2
148	187,28	16,862	0,636	2
149	181,21	52,138	-1,465	2
150	167,46	51,178	-5,252	2
151	149,55	52,493	-8,394	2
152	150,14	72,898	-12,92	2
153	160,47	74,906	-10,75	2
154	167,48	79,741	-5,376	2
155	167,31	90,398	-5,748	2
156	160,36	88,498	-12,077	2
157	153,21	86,208	-14,178	2
158	146,59	88,165	-16,097	2
159	146,29	36,637	-9,276	2
160	147,52	106,314	-17,74	2
161	142,13	34,705	-10,319	2
162	150,24	106,369	-17,68	2
163	157,24	109,468	-13,066	2
164	139,31	37,362	-9,69	2
165	162,38	117,149	-9,47	2
166	160,04	132,978	-12,004	2
167	158,47	139,935	-13,169	2
168	155,27	129,853	-15,513	2
169	151,4	131,706	-19,097	2
170	146,27	132,753	-21,988	2
171	144,26	152,861	-25,343	2
172	151,11	154,203	-23,064	2
173	154	160,77	-21,032	2
174	152,56	203,402	-23,058	2
175	148,35	209,421	-27,828	2
176	143,55	212,05	-31,007	2
177	144,51	245,502	-32,017	2
178	147,34	248,788	-30,356	2
179	152,43	244,346	-25,594	2
180	150,29	261,146	-30,208	2
181	144,46	257,073	-32,791	2
182	143,42	258,975	-35,996	2
183	143,23	246,385	-35,198	2

	184	141,2	273,373	-37,19	2	
talud	185	142,09	275,312	-36,295	2	
	186	145,36	312,726	-40,452	2	
P4	P3	0	38,935	6,927	1,45	9923,26
	P5	183,1734	219,702	-26,338	1,45	9665,15
	196R	109,44	10,93	-3,871	2	9880,52
	197	104,07	11,483	-2,381	2	9881,40
	198R	80,07	3,914	-2,94	2	9884,96
	199	86,45	3,135	-2,082	2	
	200R	142,06	15,406	-4,874	2	
	201	141,19	15,539	-4,076	2	
	202R	179,19	15,426	-4,65	2	
	203	181,55	15,271	-3,94	2	
	204R	167,24	24,814	-7,192	2	
	205	168,08	26,461	-6,004	2	
	206R	183,51	35,263	-7,805	2	
	207	186,16	35,272	-7,308	2	
	208R	176,13	46,731	-9,683	2	
	209	174,51	45,358	-7,953	2	
	210R	183,16	54,684	-10,956	2	
	211	183,45	54,754	-10,299	2	
	212R	177,29	63,624	-12,427	2	
	213	176,43	64,274	-11,316	2	
	214R	184,42	74,598	-14,058	2	
	215	185,05	74,574	-12,891	2	
	216R	178,48	82,387	-14,554	2	
	217	177,43	82,135	-14,218	2	
	218R	183,05	101,481	-18,29	2	
	219	183,28	101,568	-17,412	2	
	220R	177,15	94,055	-16,58	2	
	221	176,57	94,184	-15,394	2	
	222R	179,48	123,665	-20,89	2	
	223	180	124,212	-20,301	2	
	224R	177,48	122,912	21,028	2	
	225	177,26	123,843	-20,784	2	
	226R	179,12	153,915	-24,69	2	
	227	179,39	153,748	-23,967	2	
	228R	181	188,767	-28,206	2	
	229	181,19	188,11	-27,479	2	
	231	175,44	151,999	-23,702	2	
	232R	180,5	211,121	-29,147	2	
	233	181,02	211,27	-28,544	2	
	234R	179,02	177,353	-26,998	2	
	235	178,42	177,457	-26,218	2	
	236R	179,09	228,365	-30,541	2	
	237	179,15	228,309	-30,169	2	
	238R	179,12	202,732	-29,049	2	

239	179,07	202,698	-28,42	2	
240R	177,3	221,34	-30,528	2	
241	177,23	220,888	-29,772	2	
242	175,57	193,191	-26,627	2	
243	175,28	212,929	-29,705	2	
244	173,04	189,221	-26,225	2	
245	172,15	212,288	-28,283	2	
246	171,54	187,442	-26,56	2	
247	172,43	165,305	-23,92	2	
248	173,1	152,503	-23,288	2	
249	171,45	111,158	-16,073	2	
250	173,5	125,558	-20,117	2	
251	166,45	89,157	-6,904	2	
252	172,37	86,513	-13,341	2	
253	163,38	63,625	-3,514	2	
254	171,58	63,97	-10,256	2	
255	154,2	46,355	1,766	2	
256	162,11	39,491	-5,863	2	
257	150	41,985	2,618	2	
258	128,31	23,631	-1,709	2	
259	122,25	31,79	4,074	2	
260	97,49	15,683	-0,577	2	9882,02
261	113,41	30,18	2,678	2	9871,89
262	92,14	28,276	6,494	2	9882,91

Este	Cota
9982,34	3458,476
10032,20	3462,722
10031,88	3463,438

10000,00	3460,003
9938,69	3455,192
9984,36	3457,949
9982,73	3459,26
9982,81	3460,474

9982,35	3458,467
9938,45	3448,347
9955,53	3451,053

9954,23 3451,776

9938,69	3455,274
9923,36	3422,009
9948,70	3444,476
9949,55	3445,966
9942,31	3445,407

9953,96	3447,77
9965,95	3451,025
9966,69	3454,841