

ANEXO 3: DATOS ORIGINALES (SIN TRATAMIENTO) DE CALICATAS ELÉCTRICAS

A continuación, se muestran los datos originales de las 5 calicatas eléctricas (tablas) junto a un ploteo de los mismos sobre una línea horizontal, es decir sin el filtrado de la topografía (gráfico debajo de tabla).

Se observa el cambio en las resistividades a diferentes profundidades. La escala vertical es Resistividad en escala logarítmica. La escala horizontal es la distancia progresiva entre estaciones (25m aproximadamente).

A estos datos se debe agregar la componente de altitud (de la estación de medición o punto de atribución) y hacer el cálculo de profundidad de investigación para cada medida en particular.

El factor normalmente utilizado para este método es 0,519 y se aplica al valor “a”.

Por lo tanto:

$$\textit{profundidad de atribución} = a * 0,519$$

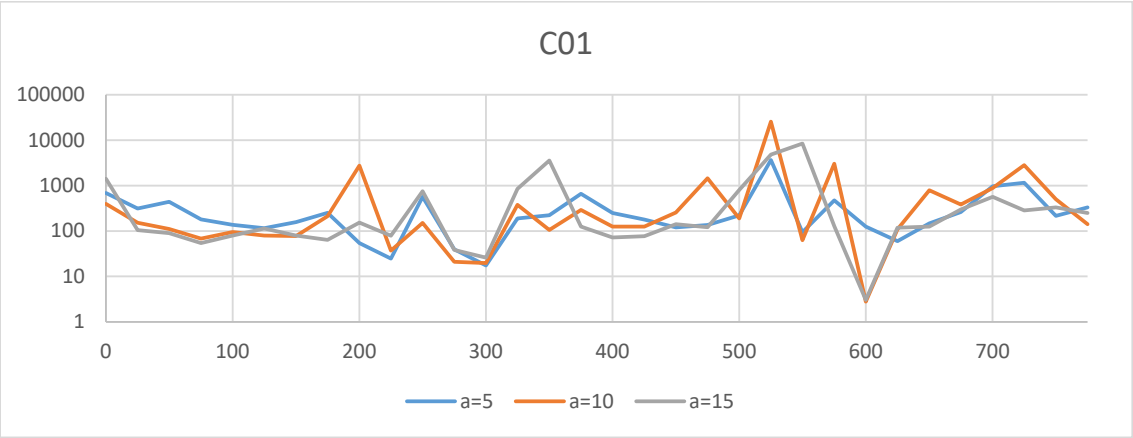
Es decir que para cada separación interelectródica utilizada el valor de la profundidad sería:

Separación “a” en metros	Profundidad en metros
5	2,6
10	5,2
15	7,8

Por consiguiente, al dato topográfico de altitud de la estación de medición, se debe sustraer el valor de la profundidad de atribución de cada dato. De esta manera se vincula el dato de resistividad con la altitud en msnm.

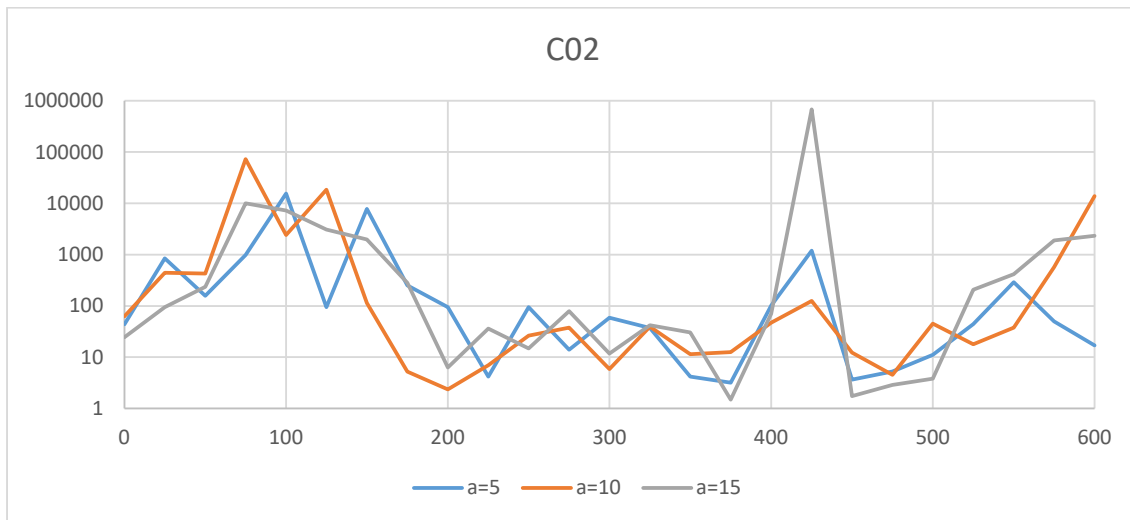
CALICATA WENNER:		C01	COORD INIC:	2415783	COORD FIN:	2415911	Azimut:	171
				5808258		5807510		
				793		769		
3 distancias "a"		dist. entre estaciones:		25 metros	FECHA	9DIC24	Hora	
ESTACIÓN	AB/2	MN/2	a	k	SP (mV)	V (mV)	I (mA)	ρ (ohm.m)
A1	7.5	2.5	5	31.416	28.2	19.6	0.9	684.17
	15	5	10	62.832	-41	1.9	0.3	397.94
	22.5	7.5	15	94.248	-16.1	4.5	0.3	1413.72
A2	7.5	2.5	5	31.416	-64.8	34.8	3.5	312.36
	15	5	10	62.832	-48.5	51.2	21.2	151.74
	22.5	7.5	15	94.248	-86.2	4.9	4.4	104.96
A3	7.5	2.5	5	31.416	90	2.8	0.2	439.82
	15	5	10	62.832	-70	5.3	3.0	111.00
	22.5	7.5	15	94.248	59.2	2.0	2.1	89.76
A4	7.5	2.5	5	31.416	-38	9.8	1.7	181.10
	15	5	10	62.832	5.2	7.9	7.3	68.00
	22.5	7.5	15	94.248	-20	3.7	6.4	54.49
A5	7.5	2.5	5	31.416	-9.6	19.6	4.5	136.83
	15	5	10	62.832	13	6.2	4.1	95.01
	22.5	7.5	15	94.248	-15.6	2.6	3.1	79.05
A6	7.5	2.5	5	31.416	48.7	6.6	1.8	115.19
	15	5	10	62.832	70.6	4.4	3.5	78.99
	22.5	7.5	15	94.248	-50	1.2	1.0	113.10
A7	7.5	2.5	5	31.416	-39	5.5	1.1	157.08
	15	5	10	62.832	-40	1.6	1.3	77.33
	22.5	7.5	15	94.248	82	4.7	5.6	79.10
A8	7.5	2.5	5	31.416	-24	46.2	5.8	250.24
	15	5	10	62.832	-28.7	11.5	3.4	212.52
	22.5	7.5	15	94.248	50	1.9	2.8	63.95
A9	7.5	2.5	5	31.416	-49.3	4.3	2.5	54.04
	15	5	10	62.832	-4	35.0	0.8	2748.89
	22.5	7.5	15	94.248	46.8	1.8	1.1	154.22
A10	7.5	2.5	5	31.416	46	1.8	2.3	24.59
	15	5	10	62.832	150	1.9	3.2	37.31
	22.5	7.5	15	94.248	82.3	3.5	4.2	78.54
A11	7.5	2.5	5	31.416	-60	23.4	1.3	565.49
	15	5	10	62.832	35.4	1.2	0.5	150.80
	22.5	7.5	15	94.248	90	2.4	0.3	753.98
A12	7.5	2.5	5	31.416	20	8.2	6.5	39.63
	15	5	10	62.832	50	0.1	0.3	20.94
	22.5	7.5	15	94.248	30	1.3	3.2	38.29
A13	7.5	2.5	5	31.416	-10	0.5	0.9	17.45
	15	5	10	62.832	-9.6	1.6	5.1	19.71
	22.5	7.5	15	94.248	30	3.4	12.3	26.05
A14	7.5	2.5	5	31.416	90	1.2	0.2	188.50
	15	5	10	62.832	-10	0.6	0.1	376.99
	22.5	7.5	15	94.248	2.7	1.8	0.2	848.23
A15	7.5	2.5	5	31.416	15	37.5	5.3	222.28
	15	5	10	62.832	12.3	14.5	8.6	105.94
	22.5	7.5	15	94.248	40	3.8	0.1	3581.42
A16	7.5	2.5	5	31.416	-20	10.5	0.5	659.73
	15	5	10	62.832	35	12.5	2.7	290.89
	22.5	7.5	15	94.248	18	0.4	0.3	125.66

A17	7.5	2.5	5	31.416	-30	54.7	6.9	249.05
	15	5	10	62.832	-20	0.4	0.2	125.66
	22.5	7.5	15	94.248	15	1.3	1.7	72.07
A18	7.5	2.5	5	31.416	-30	59.3	10.4	179.13
	15	5	10	62.832	80	0.2	0.1	125.66
	22.5	7.5	15	94.248	90	2.2	2.7	76.79
A19	7.5	2.5	5	31.416	20	13.4	3.5	120.28
	15	5	10	62.832	-70	5.7	1.4	255.82
	22.5	7.5	15	94.248	-25	0.6	0.4	141.37
A20	7.5	2.5	5	31.416	-30	1.3	0.3	136.14
	15	5	10	62.832	140	2.3	0.1	1445.13
	22.5	7.5	15	94.248	63.3	1.8	1.4	121.18
A21	7.5	2.5	5	31.416	-184	0.7	0.1	219.91
	15	5	10	62.832	20	0.3	0.1	188.50
	22.5	7.5	15	94.248	70	1.7	0.2	801.11
A22	7.5	2.5	5	31.416	53	35	0.3	3665.19
	15	5	10	62.832	15.6	40.9	0.1	25698.23
	22.5	7.5	15	94.248	-51.2	5.1	0.1	4806.64
A23	7.5	2.5	5	31.416	40	42.0	14.0	94.25
	15	5	10	62.832	11	3.0	3.0	62.83
	22.5	7.5	15	94.248	0	269.0	3.0	8450.88
A24	7.5	2.5	5	31.416	-41	15.0	1.0	471.24
	15	5	10	62.832	70	387.0	8.0	3039.49
	22.5	7.5	15	94.248	47	19.0	14.0	127.91
A25	7.5	2.5	5	31.416	21.6	5.2	1.3	125.66
	15	5	10	62.832	-134	0.4	9.0	2.79
	22.5	7.5	15	94.248	31	2.0	62.0	3.04
A26	7.5	2.5	5	31.416	-40	2.1	1.1	59.98
	15	5	10	62.832	-24	5.2	3.0	108.91
	22.5	7.5	15	94.248	-8.1	0.5	0.4	117.81
A27	7.5	2.5	5	31.416	115	7.5	1.6	147.26
	15	5	10	62.832	-8.2	12.5	1.0	785.40
	22.5	7.5	15	94.248	75	2.4	1.8	125.66
A28	7.5	2.5	5	31.416	80	2.5	0.3	261.80
	15	5	10	62.832	50	49.0	8.0	384.85
	22.5	7.5	15	94.248	87.7	1.9	0.6	298.45
A29	7.5	2.5	5	31.416	-4.4	43.0	1.4	964.92
	15	5	10	62.832	15	38.0	2.7	884.30
	22.5	7.5	15	94.248	-58.1	1.2	0.2	565.49
A30	7.5	2.5	5	31.416	-26.1	102.5	2.8	1150.05
	15	5	10	62.832	-50	4.5	0.1	2827.43
	22.5	7.5	15	94.248	10	0.9	0.3	282.74
A31	7.5	2.5	5	31.416	-16.4	17.8	2.6	215.08
	15	5	10	62.832	-20	0.8	0.1	502.65
	22.5	7.5	15	94.248	42	28.0	8.0	329.87
A32	7.5	2.5	5	31.416	20	6.3	0.6	329.87
	15	5	10	62.832	20	3.6	1.6	141.37
	22.5	7.5	15	94.248	10	18.2	6.9	248.60

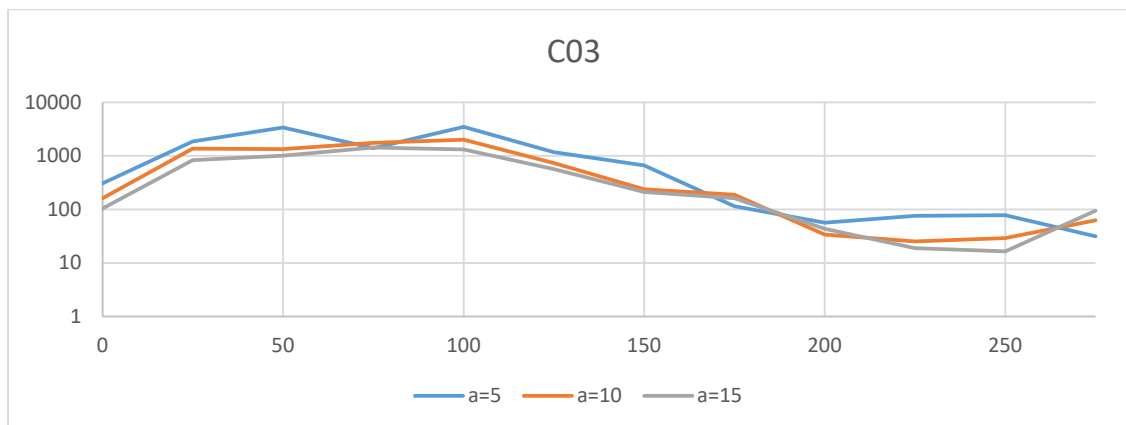


CALICATA WENNER:		C02	COORD INIC:	2416308	COORD FIN:	2416912	Azimet:	90
				5808837		5808838		
				759		716		
3 distancias "a"		dist. entre estaciones:		25 metros	FECHA		Hora	
ESTACIÓN	AEST. /2	MN/2	a	k	SP (mV)	V (mV)	I (mA)	p (ohm.m)
EST. 1	7.5	2.5	5	31.4159265	43.5	2.5	1.8	43.6332313
	15	5	10	62.8318531		0.2	0.2	62.8318531
	22.5	7.5	15	94.2477796	214	7	27	24.4346095
EST. 2	7.5	2.5	5	31.4159265	50	118	4.4	842.51803
	15	5	10	62.8318531	20.7	7.8	1.1	445.534958
	22.5	7.5	15	94.2477796	-11	0.3	0.3	94.2477796
EST. 3	7.5	2.5	5	31.4159265		14.6	2.9	158.16294
	15	5	10	62.8318531	9	6.1	0.9	425.860337
	22.5	7.5	15	94.2477796	-98	5	2	235.619449
EST. 4	7.5	2.5	5	31.4159265	3	910	29	985.810109
	15	5	10	62.8318531	12.5	57.9	0.05	72759.2859
	22.5	7.5	15	94.2477796	36	5.3	0.05	9990.26464
EST. 5	7.5	2.5	5	31.4159265	60	989	2	15535.1757
	15	5	10	62.8318531	0	463	12	2424.26233
	22.5	7.5	15	94.2477796	-21	154	2	7257.07903
EST. 6	7.5	2.5	5	31.4159265		81	27	94.2477796
	15	5	10	62.8318531	50	292	1	18346.9011
	22.5	7.5	15	94.2477796	10	230	7	3096.71276
EST. 7	7.5	2.5	5	31.4159265	-11	248	1	7791.14978
	15	5	10	62.8318531	8	58	32	113.882734
	22.5	7.5	15	94.2477796	-10	230	11	1970.63539
EST. 8	7.5	2.5	5	31.4159265	123	8	1	251.327412
	15	5	10	62.8318531	-52	1	12	5.23598776
	22.5	7.5	15	94.2477796	-5	3	1	282.743339
EST. 9	7.5	2.5	5	31.4159265	50	75	25	94.2477796
	15	5	10	62.8318531	-1	0.3	8	2.35619449
	22.5	7.5	15	94.2477796	7	0.4	6	6.28318531
EST. 10	7.5	2.5	5	31.4159265	130	0.8	6	4.1887902
	15	5	10	62.8318531	150	1	9	6.98131701
	22.5	7.5	15	94.2477796	82	5	13	36.249146
EST. 11	7.5	2.5	5	31.4159265	21	3	1	94.2477796
	15	5	10	62.8318531	-20	21	50	26.3893783
	22.5	7.5	15	94.2477796	-57	3	19	14.8812284
EST. 12	7.5	2.5	5	31.4159265	0	8	18	13.962634
	15	5	10	62.8318531	0	3	5	37.6991118
	22.5	7.5	15	94.2477796	0	2.5	3	78.5398163
EST. 13	7.5	2.5	5	31.4159265	-4	15	8	58.9048623
	15	5	10	62.8318531	94	0.3	3.2	5.89048623
	22.5	7.5	15	94.2477796	-0.6	0.5	4	11.7809725
EST. 14	7.5	2.5	5	31.4159265	120	1.9	1.6	37.3064128
	15	5	10	62.8318531	30	1	1.6	39.2699082
	22.5	7.5	15	94.2477796	-0.2	1.6	3.6	41.887902
EST. 15	7.5	2.5	5	31.4159265	-60.3	3.2	24	4.1887902
	15	5	10	62.8318531	-125	11	60.2	11.4809034
	22.5	7.5	15	94.2477796	90	13	40.4	30.3272558
EST. 16	7.5	2.5	5	31.4159265	70	20.3	200	3.18871654
	15	5	10	62.8318531	-56	0.2	1	12.5663706
	22.5	7.5	15	94.2477796	140	1.8	114	1.48812284

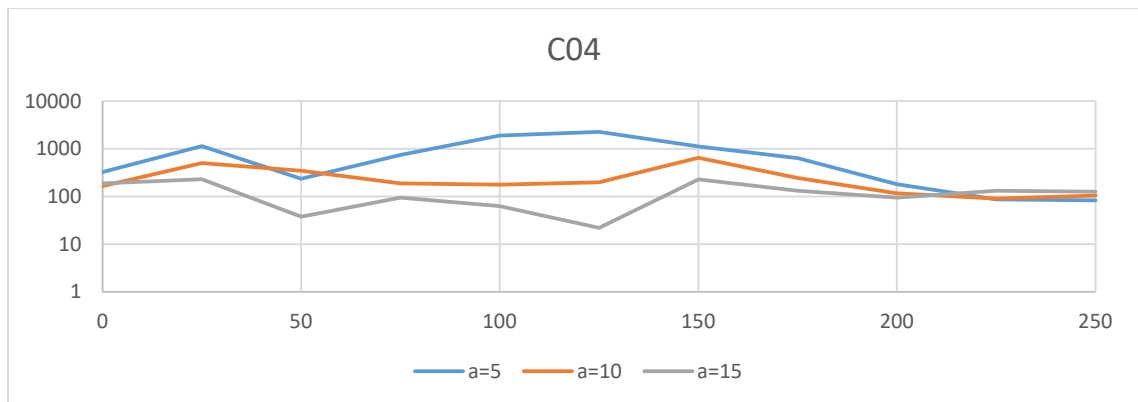
EST. 17	7.5	2.5	5	31.4159265	18	13	4	102.101761
	15	5	10	62.8318531	-132	1.5	2	47.1238898
	22.5	7.5	15	94.2477796	96	3	4	70.6858347
EST. 18	7.5	2.5	5	31.4159265	40	38	1	1193.80521
	15	5	10	62.8318531	83.2	0.1	0.05	125.663706
	22.5	7.5	15	94.2477796	159	721	0.1	679526.491
EST. 19	7.5	2.5	5	31.4159265	-73	5	43	3.65301471
	15	5	10	62.8318531	-47	4.3	22	12.2807713
	22.5	7.5	15	94.2477796	-32	0.5	27	1.74532925
EST. 20	7.5	2.5	5	31.4159265	120	18	107	5.28492222
	15	5	10	62.8318531	-9.3	19	263	4.5391833
	22.5	7.5	15	94.2477796	123	1.8	59.1	2.87049075
EST. 21	7.5	2.5	5	31.4159265	32	55	156	11.0761279
	15	5	10	62.8318531	-42	1.3	1.8	45.3785606
	22.5	7.5	15	94.2477796	54	1.3	32	3.82881605
EST. 22	7.5	2.5	5	31.4159265	-90	7	5	43.9822972
	15	5	10	62.8318531	-46	2	7	17.951958
	22.5	7.5	15	94.2477796	-24	22	10	207.345115
EST. 23	7.5	2.5	5	31.4159265	47	37	4	290.59732
	15	5	10	62.8318531	12	2.4	4	37.6991118
	22.5	7.5	15	94.2477796	-58	22	5	414.69023
EST. 24	7.5	2.5	5	31.4159265	-80	19	12	49.7418837
	15	5	10	62.8318531	-50	19	2.1	568.478671
	22.5	7.5	15	94.2477796	-102	10	0.5	1884.95559
EST. 25	7.5	2.5	5	31.4159265	-34	2.7	5	16.9646003
	15	5	10	62.8318531	9	22	0.1	13823.0077
	22.5	7.5	15	94.2477796	26	7.4	0.3	2324.77856



CALICATA WENNER:		C03	COORD INIC:	2416418	COORD FIN:	2416611	Azimet:	130
				5811346		5811193		
				811		788		
3 distancias "a"		dist. entre estaciones:		25 metros	FECHA		Hora	
ESTACIÓN	AB/2	MN/2	a	k	SP (mV)	V (mV)	I (mA)	p (ohm.m)
EST 1	7.5	2.5	5	31.4159265	-2	78	8	306.305284
	15	5	10	62.8318531	-85	18	7	161.567622
	22.5	7.5	15	94.2477796	-6	11	10	103.672558
EST 2	7.5	2.5	5	31.4159265	50	178	3	1864.01164
	15	5	10	62.8318531	15	109	5	1369.7344
	22.5	7.5	15	94.2477796	-88	44	5	829.380461
EST 3	7.5	2.5	5	31.4159265	40	108	1	3392.92007
	15	5	10	62.8318531	4	85	4	1335.17688
	22.5	7.5	15	94.2477796	22	75	7	1009.79764
EST 4	7.5	2.5	5	31.4159265	18	222	5	1394.86714
	15	5	10	62.8318531	7	139	5	1746.72552
	22.5	7.5	15	94.2477796	49	61	4	1437.27864
EST 5	7.5	2.5	5	31.4159265	85	442	4	3471.45988
	15	5	10	62.8318531	-18	160	5	2010.6193
	22.5	7.5	15	94.2477796	44	70	5	1319.46891
EST 6	7.5	2.5	5	31.4159265	20	187	5	1174.95565
	15	5	10	62.8318531	20	35	3	733.038286
	22.5	7.5	15	94.2477796	8	36	6	565.486678
EST 7	7.5	2.5	5	31.4159265	70	116	5.5	662.590451
	15	5	10	62.8318531	28	17	4.5	237.364778
	22.5	7.5	15	94.2477796	23	9	4	212.057504
EST 8	7.5	2.5	5	31.4159265	33	73	20	114.668132
	15	5	10	62.8318531	-60	12	4	188.495559
	22.5	7.5	15	94.2477796	-33	12	7	161.567622
EST 9	7.5	2.5	5	31.4159265	30	9	5	56.5486678
	15	5	10	62.8318531	-26	7	13	33.8325363
	22.5	7.5	15	94.2477796	-18	6	13	43.4989752
EST 10	7.5	2.5	5	31.4159265	21	65	27	75.6309343
	15	5	10	62.8318531	17	2.4	6	25.1327412
	22.5	7.5	15	94.2477796	63	1.6	8	18.8495559
EST 11	7.5	2.5	5	31.4159265	70	72	29	77.9981624
	15	5	10	62.8318531	6	13	28	29.1719318
	22.5	7.5	15	94.2477796	34	4	23	16.3909182
EST 12	7.5	2.5	5	31.4159265	1	1	1	31.4159265
	15	5	10	62.8318531	1	1	1	62.8318531
	22.5	7.5	15	94.2477796	1	1	1	94.2477796



CALICATA WENNER:		C04	COORD INIC:	2416400	COORD FIN:	2416649	Azimut:	92
				5812239		5812233		
				848		823		
3 distancias "a"		dist. entre estaciones:		25 metros	FECHA		Hora	
ESTACIÓN	AB/2	MN/2	a	k	SP (mV)	V (mV)	I (mA)	p (ohm.m)
D1	7.5	2.5	5	31.4159265	70	134	13	323.825704
	15	5	10	62.8318531	-58	21	8	164.933614
	22.5	7.5	15	94.2477796	-57	20	10	188.495559
D2	7.5	2.5	5	31.4159265	8	254	7	1139.94933
	15	5	10	62.8318531	63	64	8	502.654825
	22.5	7.5	15	94.2477796	60	22	9	230.383461
D3	7.5	2.5	5	31.4159265	45	30	4	235.619449
	15	5	10	62.8318531	-50	22	4	345.575192
	22.5	7.5	15	94.2477796	-78	2	5	37.6991118
D4	7.5	2.5	5	31.4159265	-100	71	3	743.510261
	15	5	10	62.8318531	-25	9	3	188.495559
	22.5	7.5	15	94.2477796	-69	3	3	94.2477796
D5	7.5	2.5	5	31.4159265	100	181	3	1895.42757
	15	5	10	62.8318531	31	4.2	1.5	175.929189
	22.5	7.5	15	94.2477796	35	0.2	0.3	62.8318531
D6	7.5	2.5	5	31.4159265	1.2	108	1.5	2261.94671
	15	5	10	62.8318531	-35	6	1.9	198.416378
	22.5	7.5	15	94.2477796	0	0.7	3	21.9911486
D7	7.5	2.5	5	31.4159265	50	178	5	1118.40698
	15	5	10	62.8318531	170	41	4	644.026494
	22.5	7.5	15	94.2477796	40	17	7	228.887465
D8	7.5	2.5	5	31.4159265	16	182	9	635.299848
	15	5	10	62.8318531	-47	31	8	243.473431
	22.5	7.5	15	94.2477796	24	14	10	131.946891
D9	7.5	2.5	5	31.4159265	84	69	12	180.641578
	15	5	10	62.8318531	-11	24	13	115.997267
	22.5	7.5	15	94.2477796	-40	11	11	94.2477796
D10	7.5	2.5	5	31.4159265	-28	25	9	87.2664626
	15	5	10	62.8318531	-25	11.5	8	90.3207888
	22.5	7.5	15	94.2477796	-23	14	10	131.946891
D11	7.5	2.5	5	31.4159265	17	29	11	82.8238063
	15	5	10	62.8318531	-2	15	9	104.719755
	22.5	7.5	15	94.2477796	-20	12	9	125.663706



CALICATA WENNER:	C05	COORD INIC:	2416456	COORD FIN:	2416632	Azimut:	136	
			5813208		5813028			
			879		866			
3 distancias "a"		dist. entre estaciones:	25 metros	FECHA		Hora		
ESTACIÓN	AB/2	MN/2	a	k	SP (mV)	V (mV)	I (mA)	p (ohm.m)
E1	7.5	2.5	5	31.4159265	45	2.5	6	13.0899694
	15	5	10	62.8318531	-24.5	2.2	1.9	72.752672
	22.5	7.5	15	94.2477796	8	0.8	9.2	8.1954591
E2	7.5	2.5	5	31.4159265	74	39.2	12.2	100.942977
	15	5	10	62.8318531	-50	8.6	6.9	78.3121647
	22.5	7.5	15	94.2477796	107	0.2	0.1	188.495559
E3	7.5	2.5	5	31.4159265	68	62.4	13.4	146.295061
	15	5	10	62.8318531	-40	22.9	10.5	137.03328
	22.5	7.5	15	94.2477796	2.3	3.9	3.8	96.7279843
E4	7.5	2.5	5	31.4159265	-4	500	5	3141.59265
	15	5	10	62.8318531	-2	547	1	34369.0236
	22.5	7.5	15	94.2477796	34.7	8	0.05	15079.6447
E5	7.5	2.5	5	31.4159265	15	6.3	6	32.9867229
	15	5	10	62.8318531	30	25	8	196.349541
	22.5	7.5	15	94.2477796	-4	39	1	3675.6634
E6	7.5	2.5	5	31.4159265	-9	42	1	1319.46891
	15	5	10	62.8318531	-90	36	2	1130.97336
	22.5	7.5	15	94.2477796	-23.8	12	8	141.371669
E7	7.5	2.5	5	31.4159265	1	79	2	1240.9291
	15	5	10	62.8318531	-14	333	9	2324.77856
	22.5	7.5	15	94.2477796	-30	259	6	4068.36249
E8	7.5	2.5	5	31.4159265	-184	18	12	47.1238898
	15	5	10	62.8318531	-290	23.2	16	91.106187
	22.5	7.5	15	94.2477796	24	2.5	3	78.5398163
E9	7.5	2.5	5	31.4159265	-80	6	5	37.6991118
	15	5	10	62.8318531	66	0.6	0.1	376.991118
	22.5	7.5	15	94.2477796	0.8	3.5	8	41.2334036
E10	7.5	2.5	5	31.4159265	60	13	7	58.3438636
	15	5	10	62.8318531	-150	3	4	47.1238898
	22.5	7.5	15	94.2477796	46	7	5	131.946891
E11	7.5	2.5	5	31.4159265	10	44	6	230.383461
	15	5	10	62.8318531	0.8	1	8	7.85398163
	22.5	7.5	15	94.2477796	-12	120	4	2827.43339

