NOMBRE ESTACION	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPTIEMBRE	OCTUBRE	NOVIEMBRE	DICIEMBRE	AÑO	ANUAL	PROMEDIO AÑO
TIBANA													1958		
TIBANA	1.5	18	27.5	72.5	142.5	91	164	139	85	105	61.5	30	1959	2896.5	78.125
TIBANA	6.5	19	60	69	106	109	138	129	121	98	42	87	1960	2944.5	82.04166667
TIBANA				984.5									1961	2945.5	82.04166667
TIBANA	13	9	67.5	31	201	144	165	73	84	79	63		1962	2891.5	77.45833333
TIBANA	20.18	16.38	36.68	83.88	151.03	143	187	146	62	40	76	11	1963	2936.15	81.09583333
TIBANA	0	13	3	90	145	134	180	87	149	92	67	66	1964	2990	85.5
TIBANA	9	19	42	108	199	146	128	139	115	202	167	20	1965	3259	107.8333333
TIBANA	9	1	70	47	74	136	179	134	118	77	181	71	1966	3063	91.41666667
TIBANA	33	1	39	141	145	169	122	143	102	51	78	9	1967	3000	86.08333333
TIBANA	17	39	23	114	71	122	145	122	92	109	61	8	1968	2891	76.91666667
TIBANA	91	25	14	131	132	118	155	116	85	169	57	38	1969	3100	94.25
TIBANA	51	63	12	50.5	130	112	169.5	127.5	73	117.5	37	22.5	1970	2935.5	80.45833333
TIBANA	46	19	48	53	247	110	138	129	102	110	46	34	1971	3053	90.16666667
TIBANA	46	17	42	124	116	81	75	75	100	47	59	0	1972	2754	65.16666667
TIBANA	2	0	8	56	123	122	107	174	142	88	74	31	1973	2900	77.25
TIBANA	20	24	63	82	47	60	74	80	81	105	83	0	1974	2693	59.91666667
TIBANA	2	38	49	36	59	116	86	128	62	100	86	64.5	1975	2801.5	68.875
TIBANA	7	15	44	85	138	178	157	99	98	141	100	21.5	1976	3059.5	90.29166667
TIBANA	0	5	21	74	118	178	106	130	130	61	70	8	1977	2878	75.08333333
TIBANA	3	7	51	139	97	107	85	119	91	45	25	18	1978	2765	65.58333333
TIBANA	2	6	24	114	74	173	112	101	46	127	129	38	1979	2925	78.83333333
TIBANA	17	2	23	62	94	216	117	114	102	149	44	21	1980	2941	80.08333333
TIBANA	5	36	25	146	193.2	111.5	117.4	88.9	87.1	83.1	42.5	26.1	1981	2942.8	80.15
TIBANA	33.6	21.2	59.8	93.4	141	96.6	103.9	87.6	72.1	77.7	25.5	18	1982	2812.4	69.2
TIBANA	3.6	44.3	17.3	109.8	91.2	77.6	137.3	91.3	69.1	68.3	22.5	32.5	1983	2747.8	63.73333333
TIBANA	29	36.9	20.4	66.4	82	94.8	140.5	112.5	106.4	18.8	79.8	9.2	1984	2780.7	66.39166667
TIBANA	14.7	1	41.6	40.8	101.9	180.5	98.8	107.5	94.8	56.6	76.8	31.5	1985	2831.5	70.54166667
TIBANA	5.4	99.4	55.3	107.2	74.6	149.6	115.8	55	103.8	124.6	58.3	15.2	1986	2950.2	80.35
TIBANA	5.2	31.7	18	81.8	111.6	114.3	138	130.6	65.7	111.2	49.5	13.8	1987	2858.4	72.61666667
TIBANA	31.1	10	122.7	44.6	181.6	79.9	90.2	65.5	73.1	78.1	64.3	17.5	1989	2847.6	71.55
TIBANA	27.4	25.8	55.3	114.6	128.9	117.6	110.5	108.8	60.1	103.2	61.6	31.6	1990	2935.4	78.78333333
TIBANA	0.1	8.8	51.3	67	114.3	104	186.6	151.3	84.1	58.8	59.9	0.5	1991	2877.7	73.89166667
TIBANA	3.1	21.5	39.7	56	94.5	59.7	147.4	128.2	80	31.1	126.5	10.5	1992	2790.2	66.51666667
TIBANA	9.2	2.3	44.7	50.2	156.9	109.9	114.4	77.2	74.2	63	60.3	16.9	1993	2772.2	64.93333333
TIBANA	2.8	26	28.6	78	163	102	150	135	119	333	74	50	1994	3255.4	105.1166667
TIBANA	15	5	67	139	114.9	111.3	112.2	64.7	65.4	38.3	65	39.6	1995	2832.4	69.78333333
TIBANA	40.3	50.7	45.1	67.5	125.5	137.2	142.3				63.7	72.2	1996	2740.5	62.04166667
TIBANA	27.6	29.7	33.9	46.4	84.4	66.7	170.7	172.3	107.5	66.7	141.6	21.5	1997	2966	80.75
TIBANA	7.5	28.4	63.5	128.6	240.8	192.3	249.1	91.1	69.3	166	69.6	34	1998	3338.2	111.6833333
TIBANA	21.3	84.7	65.5	115.7	83.1	132.9	131.3	42.4	147.5	116.4	56.5	27.5	1999	3023.8	85.4
TIBANA	14.8	88.8	77.6	47.6	151.1	175.8	142.4	158.1	139.8	118.8	111.3	55.1	2000	3281.2	106.7666667
TIBANA	0	6.8	13.5	30	129.9	147.1	97.9	211.6	159.5	87.6	130.3	101	2001	3116.2	92.93333333
TIBANA	4.6	30.8	71.2	207.5									2002	2316.1	26.175
TIBANA	103.7	235.5	267.9	207.5	411.5	225.6	244.8	329.8	208	130.3			2003	4367.6	197.05
TIBANA	10.5	29	66.2	147.7	291.9	278.2	229.8	337.03	189.9	123.7	93.9	31	2004	3832.83	152.4025
TIBANA	33.9	29.9	43.7	162.5	186.4	181.7	215.4	269.3	253.4	229.6	26.9		2005	3637.7	136.0583333
TIBANA	37.5	0	140.1	179.8	259.1	413.7	423	375.5	369.5	239.8	151	31.7	2006	4626.7	218.3916667
TIBANA	2	9.5	81.7	165.1	288.6	273.3	245.1	382.5		303.3	180.1	127.6	2007	4065.8	171.5666667
TIBANA	50.4	67.4	80	66.4	187.2	282.6	255	216.1	157.9	156.8	183.9	63.7	2008	3775.4	147.2833333
TIBANA	44.4	27	104.2	142.9	84.5	179.6	128	149.7	59.2	132.6	37.2	14	2009	3112.3	91.94166667
TIBANA	4.2	40.7	54.9	157.3	155.1	167.1	312.3	85.2	97	209.6	230.2	86.5	2010	3610.1	133.3416667
TIBANA	39.9	75.4	225.9	261.2	372.5								2011	2985.9	81.24166667
MAXIMOS TIBANA	103.7	235.5	267.9	261.2	372.5	413.7	312.3	382.5	369.5	303.3	230.2	127.6			

P	R					I
78.125	1.96954546			ML	OL	
82.04166667	1.96954546			A	B	
82.04166667	1.32733442	SML	SOL	CN	CN	
77.45833333	1.82748051	286.425532	125.104478	47	67	
81.09583333	2.53012696					
85.5	7.58255852					
107.8333333	3.63418385					
91.41666667	2.63094977					
86.08333333	1.25923617			x		
76.91666667	4.22524371					
94.25	1.73449806					
80.45833333	3.38607263					
90.16666667	0.21106862			n1	HR	T1
65.16666667	1.30094462			0.54978295	0.75	18.7
77.25	0.02395758			n2		
59.91666667	0.45073383			0.53231128		ETP1
68.875	3.4105309			n3		5.885913678
90.29166667	1.0412628			0.54433254		
75.08333333	0.23364445			n4		
65.58333333	1.50768067			0.54705882		
78.83333333	1.68085128					
80.08333333	1.69033154					
80.15	0.47584798					
69.2	0.14197117					
63.73333333	0.28061061					
66.39166667	0.58640938					
70.54166667	1.71892011					
80.35	0.77896012					
72.61666667	14.3212766					
0	0.67673319					
71.55	1.5009357					
78.78333333	13.7281153					
73.89166667	10.3355129					
66.51666667	9.65357211					
64.93333333	31.263766					
105.1166667	11.7955626					
69.78333333	8.4535722					
62.04166667	17.1745372					
80.75	35.4653044					
111.6833333	19.6547652					
85.4	32.3053569					
106.7666667	23.8947928					
92.93333333	0.01054944					
26.175	99.5983442					
197.05	64.2652182					
152.4025	52.2114533					
136.0583333	117.410239					
218.3916667	79.0562981					
171.5666667	60.4288721					
147.2833333	23.321879					
91.94166667	50.2661539					
133.3416667	17.4315223					
81.24166667	6.25522388					

Dónde:
S= (25400/CN)-254
P= Precipitación
CN= Número de curva (tablas)
Q= Escorrentía

Por medio de la ecuación del balance hidrológico:

$$P = R + E + I \pm / Ñ$$

$$ETP = 1{,}21*10^{n} * (1-0{,}01*HR) + 0{,}21*T - 2{,}30 \text{ (mm)}$$

La parte de Image not or identificador de relación rId1 no se encuentra en el archivo.

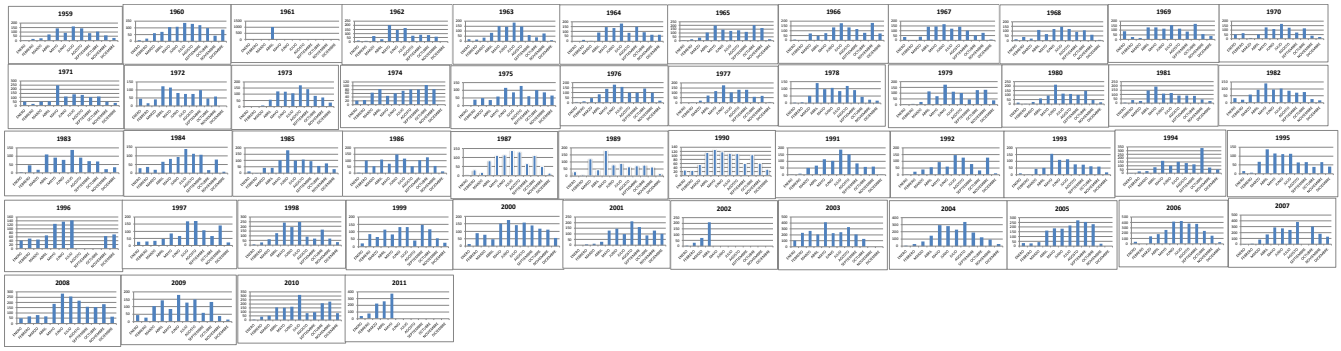
Donde:
P: Precipitación
R: Escorrentía
E: Evapotranspiración
I: Infiltración
/ Ñ: cambio en la variación en el almacenamiento

$$I = P - (R + E \pm / Ñ)$$

NOMBRE ESTACION	ESTE	NORTE	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPTIEMBRE	OCTUBRE	NOVIEMBRE	DICIEMBRE	AÑO	ANUAL	PROMEDIO AÑO
TIBANA	1093966	1064619													1958		
TIBANA	1093966	1064619	1.5	18	27.5	72.5	142.5	91	164	139	85	105	61.5	30	1959	2896.5	78.125
TIBANA	1093966	1064619	6.5	19	60	69	106	109	138	129	121	98	42	87	1960	2944.5	82.04166667
TIBANA	1093966	1064619				984.5									1961	2945.5	82.04166667
TIBANA	1093966	1064619	13	9	67.5	31	201	144	165	73	84	79	63		1962	2891.5	77.45833333
TIBANA	1093966	1064619	20.18	16.38	36.68	83.88	151.03	143	187	146	62	40	76	11	1963	2936.15	81.09583333
TIBANA	1093966	1064619	0	13	3	90	145	134	180	87	149	92	67	66	1964	2990	85.5
TIBANA	1093966	1064619	9	19	42	108	199	146	128	139	115	202	167	20	1965	3259	107.8333333
TIBANA	1093966	1064619	9	1	70	47	74	136	179	134	118	77	181	71	1966	3063	91.41666667
TIBANA	1093966	1064619	33	1	39	141	145	169	122	143	102	51	78	9	1967	3000	86.08333333
TIBANA	1093966	1064619	17	39	23	114	71	122	145	122	92	109	61	8	1968	2891	76.91666667
TIBANA	1093966	1064619	91	25	14	131	132	118	155	116	85	169	57	38	1969	3100	94.25
TIBANA	1093966	1064619	51	63	12	50.5	130	112	169.5	127.5	73	117.5	37	22.5	1970	2935.5	80.45833333
TIBANA	1093966	1064619	46	19	48	53	247	110	138	129	102	110	46	34	1971	3053	90.16666667
TIBANA	1093966	1064619	46	17	42	124	116	81	75	75	100	47	59	0	1972	2754	65.16666667
TIBANA	1093966	1064619	2	0	8	56	123	122	107	174	142	88	74	31	1973	2900	77.25
TIBANA	1093966	1064619	20	24	63	82	47	60	74	80	81	105	83	0	1974	2693	59.91666667
TIBANA	1093966	1064619	2	38	49	36	59	116	86	128	62	100	86	64.5	1975	2801.5	68.875
TIBANA	1093966	1064619	7	15	44	85	138	178	157	99	98	141	100	21.5	1976	3059.5	90.29166667
TIBANA	1093966	1064619	0	5	21	74	118	178	106	130	130	61	70	8	1977	2878	75.08333333
TIBANA	1093966	1064619	3	7	51	139	97	107	85	119	91	45	25	18	1978	2765	65.58333333
TIBANA	1093966	1064619	2	6	24	114	74	173	112	101	46	127	129	38	1979	2925	78.83333333
TIBANA	1093966	1064619	17	2	23	62	94	216	117	114	102	149	44	21	1980	2941	80.08333333
TIBANA	1093966	1064619	5	36	25	146	193.2	111.5	117.4	88.9	87.1	83.1	42.5	26.1	1981	2942.8	80.15
TIBANA	1093966	1064619	33.6	21.2	59.8	93.4	141	96.6	103.9	87.6	72.1	77.7	25.5	18	1982	2812.4	69.2
TIBANA	1093966	1064619	3.6	44.3	17.3	109.8	91.2	77.6	137.3	91.3	69.1	68.3	22.5	32.5	1983	2747.8	63.73333333
TIBANA	1093966	1064619	29	36.9	20.4	66.4	82	94.8	140.5	112.5	106.4	18.8	79.8	9.2	1984	2780.7	66.39166667
TIBANA	1093966	1064619	14.7	1	41.6	40.8	101.9	180.5	98.8	107.5	94.8	56.6	76.8	31.5	1985	2831.5	70.54166667
TIBANA	1093966	1064619	5.4	99.4	55.3	107.2	74.6	149.6	115.8	55	103.8	124.6	58.3	15.2	1986	2950.2	80.35
TIBANA	1093966	1064619	5.2	31.7	18	81.8	111.6	114.3	138	130.6	65.7	111.2	49.5	13.8	1987	2858.4	72.61666667
TIBANA	1093966	1064619	31.1	10	122.7	44.6	181.6	79.9	90.2	65.5	73.1	78.1	64.3	17.5	1989	2847.6	71.55
TIBANA	1093966	1064619	27.4	25.8	55.3	114.6	128.9	117.6	110.5	108.8	60.1	103.2	61.6	31.6	1990	2935.4	78.78333333
TIBANA	1093966	1064619	0.1	8.8	51.3	67	114.3	104	186.6	151.3	84.1	58.8	59.9	0.5	1991	2877.7	73.89166667
TIBANA	1093966	1064619	3.1	21.5	39.7	56	94.5	59.7	147.4	128.2	80	31.1	126.5	10.5	1992	2790.2	66.51666667
TIBANA	1093966	1064619	9.2	2.3	44.7	50.2	156.9	109.9	114.4	77.2	74.2	63	60.3	16.9	1993	2772.2	64.93333333
TIBANA	1093966	1064619	2.8	26	28.6	78	163	102	150	135	119	333	74	50	1994	3255.4	105.1166667
TIBANA	1093966	1064619	15	5	67	139	114.9	111.3	112.2	64.7	65.4	38.3	65	39.6	1995	2832.4	69.78333333
TIBANA	1093966	1064619	40.3	50.7	45.1	67.5	125.5	137.2	142.3				63.7	72.2	1996	2740.5	62.04166667
TIBANA	1093966	1064619	27.6	29.7	33.9	46.4	84.4	66.7	170.7	172.3	107.5	66.7	141.6	21.5	1997	2966	80.75
TIBANA	1093966	1064619	7.5	28.4	63.5	128.6	240.8	192.3	249.1	91.1	69.3	166	69.6	34	1998	3338.2	111.6833333
TIBANA	1093966	1064619	21.3	84.7	65.5	115.7	83.1	132.9	131.3	42.4	147.5	116.4	56.5	27.5	1999	3023.8	85.4
TIBANA	1093966	1064619	14.8	88.8	77.6	47.6	151.1	175.8	142.4	158.1	139.8	118.8	111.3	55.1	2000	3281.2	106.7666667
TIBANA	1093966	1064619	0	6.8	13.5	30	129.9	147.1	97.9	211.6	159.5	87.6	130.3	101	2001	3116.2	92.93333333
TIBANA	1093966	1064619	4.6	30.8	71.2	207.5									2002	2316.1	26.175
TIBANA	1093966	1064619	103.7	235.5	267.9	207.5	411.5	225.6	244.8	329.8	208	130.3			2003	4367.6	197.05
TIBANA	1093966	1064619	10.5	29	66.2	147.7	291.9	278.2	229.8	337.03	189.9	123.7	93.9	31	2004	3832.83	152.4025
TIBANA	1093966	1064619	33.9	29.9	43.7	162.5	186.4	181.7	215.4	269.3	253.4	229.6	26.9		2005	3637.7	136.0583333
TIBANA	1093966	1064619	37.5	0	140.1	179.8	259.1	413.7	423	375.5	369.5	239.8	151	31.7	2006	4626.7	218.3916667
TIBANA	1093966	1064619	2	9.5	81.7	165.1	288.6	273.3	245.1	382.5		303.3	180.1	127.6	2007	4065.8	171.5666667
TIBANA	1093966	1064619	50.4	67.4	80	66.4	187.2	282.6	255	216.1	157.9	156.8	183.9	63.7	2008	3775.4	147.2833333
TIBANA	1093966	1064619	44.4	27	104.2	142.9	84.5	179.6	128	149.7	59.2	132.6	37.2	14	2009	3112.3	91.94166667
TIBANA	1093966	1064619	4.2	40.7	54.9	157.3	155.1	167.1	312.3	85.2	97	209.6	230.2	86.5	2010	3610.1	133.3416667
TIBANA	1093966	1064619	39.9	75.4	225.9	261.2	372.5								2011	2985.9	81.24166667

P	R	SML(A)	CN
78.125	1.96954546	286.42553	47
82.0416667	1.96954546	TIBANA	
82.0416667	1.32733442		
77.4583333	1.82748051		
81.0958333	2.53012696		
85.5	7.58255852		
107.833333	3.63418385		
91.4166667	2.63094977		
86.0833333	1.25923617		
76.9166667	4.22524371		
94.25	1.73449806		
80.4583333	3.38607263		
90.1666667	0.21106862		
65.1666667	1.30094462		
77.25	0.02395758		
59.9166667	0.45073383		
68.875	3.4105309		
90.2916667	1.0412628		
75.0833333	0.23364445		
65.5833333	1.50768067		
78.8333333	1.68085128		
80.0833333	1.69033154		
80.15	0.47584798		
69.2	0.14197117		
63.7333333	0.28061061		
66.3916667	0.58640938		
70.5416667	1.71892011		
80.35	0.77896012		
72.6166667	14.3212766		
0	0.67673319		
71.55	1.5009357		

P	R	SOL(B)	CN
78.7833333	13.7281153	125.10448	67
73.8916667	10.3355129	TIBANA	
66.5166667	9.65357211		
64.9333333	31.263766		
105.116667	11.7955626		
69.7833333	8.4535722		
62.0416667	17.1745372		
80.75	35.4653044		
111.683333	19.6547652		
85.4	32.3053569		
106.766667	23.8947928		
92.9333333	0.01054944		
26.175	99.5983442		
197.05	64.2652182		
152.4025	52.2114533		
136.058333	117.410239		
218.391667	79.0562981		
171.566667	60.4288721		
147.283333	23.321879		
91.9416667	50.2661539		
133.341667	17.4315223		
81.2416667	6.25522388		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	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
PRECIPITACION PROMEDIO	78.125	82.0416667	82.0416667	77.4583333	81.0958333	85.5	107.833333	91.4166667	86.0833333	76.9166667	94.25	80.4583333	90.1666667	65.1666667	77.25	59.9166667	68.875	90.2916667	75.0833333	65.5833333	78.8333333	80.0833333	80.15	69.2	63.7333333	66.3916667	70.5416667	72.6166667	71.55	78.7833333	
ESCORRENTIA	1.96954546	1.32733442	1.82748051	2.53012696	7.58255852	3.63418385	2.63094977	1.25923617	4.22524371	1.73449806	3.38607263	0.21106862	1.30094462	0.02395758	0.45073383	3.4105309	1.0412628	0.23364445	1.50768067	1.68085128	1.69033154	0.47584798	0.14197117	0.28061061	0.58540938	1.71892011	0.77896012	14.3212766	1.5009357	13.7281153	
EVAPOTRANSPIRACION	5.88591368	5.88591368	5.88591368	5.88591368	5.88591368	5.88591368	5.88591368	5.88591368	5.88591368	5.88591368	5.88591368	5.88591368	5.88591368	7.02452032	7.02452032	7.02452032	7.02452032	7.02452032	7.02452032	7.02452032	7.02452032	7.02452032	7.02452032	7.02452032	7.02452032	7.02452032	7.02452032	7.02452032	5.1011248	5.1011248	5.1011248	
DELTA	70.2695486	74.8284857	74.3282748	69.0422969	67.6273613	75.9799247	99.3164985	84.2751682	75.9721704	69.2825493	84.9780169	74.3615103	82.9798837	58.1181877	69.7747595	49.4816545	60.8092608	83.0335019	66.5511329	56.8776673	70.1848147	72.5829653	72.9835051	61.8948907	56.1226363	57.6482624	62.7381633	53.1942627	64.9479395	59.9549323	
ALMACENAMIENTO	70.2695486	74.8284857	74.3282748	69.0422969	67.6273613	75.9799247	99.3164985	84.2751682	75.9721704	69.2825493	84.9780169	74.3615103	82.9798837	58.1181877	69.7747595	49.4816545	60.8092608	83.0335019	66.5511329	56.8776673	70.1848147	72.5829653	72.9835051	61.8948907	56.1226363	57.6482624	69.7627655	53.1942627	64.9479395	59.9549323	
DEFICIT																																
RECARGA	70.2695486	74.8284857	74.3282748	69.0422969	67.6273613	75.9799247	99.3164985	84.2751682	75.9721704	69.2825493	84.9780169	74.3615103	82.9798837	58.1181877	69.7747595	49.4816545	60.8092608	83.0335019	66.5511329	56.8776673	70.1848147	72.5829653	72.9835051	61.8948907	56.1226363	57.6482624	69.7627655	53.1942627	64.9479395	59.9549323	

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
PRECIPITACION PROMEDIO	73.8916667	66.5166667	64.9333333	105.116667	69.7833333	82.0416667	80.75	111.683333	85.4	106.766667	92.9333333	26.175	197.05	152.4025	136.058333	218.391667	171.566667	147.283333	91.9416667	133.341667	81.2416667
ESCORRENTIA	10.3355129	9.65357211	31.263766	11.7955626	8.4535722	17.1745372	35.4653044	19.6547652	32.3053569	23.8947928	9.01054944	90.5983442	64.2852182	52.2114533	117.410239	79.0562983	60.4288721	23.321879	50.2661539	17.4315223	6.25522388
EVAPOTRANSPIRACION	5.1011248	5.1011248	5.1011248	5.1011248	5.1011248	5.1011248	5.1011248	5.1011248	5.1011248	5.10324398	5.10324398	5.10324398	5.10324398	5.10324398	5.10324398	5.10324398	5.10324398	5.10324398	5.10324398	5.10324398	5.10324398
DELTA	58.455029	51.7619698	28.5684425	88.2199793	56.2286363	39.7660047	40.1835708	86.9274433	47.9935183	77.7686299	87.8195399	-78.526588	127.681538	95.0878027	13.5448503	134.232125	106.034551	118.85821	36.5722688	110.8069	69.8831988
ALMACENAMIENTO	58.455029	51.7619698	28.5684425	88.2199793	56.2286363	39.7660047	40.1835708	86.9274433	47.9935183	77.7686299	87.8195399		127.681538	95.0878027	13.5448503	134.232125	106.034551	118.85821	36.5722688	110.8069	69.8831988
DEFICIT												-78.526588									
RECARGA	58.455029	51.7619698	28.5684425	88.2199793	56.2286363	39.7660047	40.1835708	86.9274433	47.9935183	77.7686299	87.8195399		127.681538	95.0878027	13.5448503	134.232125	106.034551	118.85821	36.5722688	110.8069	69.8831988