J. 2222.5

INGEOMINAS

A.4 REGISTRO DE LOS CAUDALES

H I M A T - INSTITUTO COLOMBIANO DE HIDROLOGIA METEOROLOGIA Y ADECUACION DE TIERRAS

SISTEMA DE INFORMACION HIDROMETEOROLOGICA

VALORES MEDIOS MENSUALES DE CAUDALES (m3/seg)

FECHA DE PROCESO : 941014

ESTACION : 2801705 REPOSO EL

LATITUD 1032 N — TIPO EST LG — DEPTO CESAR — FECHA-INSTALACION 1958-MAR
LONGITUD 7328 W — ENTIDAD 01 HIMAT — MUNICIPIO VALLEDUPAR — FECHA-SUSPENSION
ELEVACION 0350 m.s.n.m — REGIONAL 08 MAGDALENA — CORRIENTE GUATAPURI

AÑO	EST	ENT	ENERO	FEBRE	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOST	SEPTI	OCTUB	NOVIE	DICIE	MEDIA ANUAL
1965	2	01	7.000 6	6.500 6	3.300 6	3.100 6	24.80 6	23.00 6	11.60 6	15.20 6	21.80 6	20.70 6	38.70 6	17.80 6	15.64
1966	2	01	12.30 6	2.400 6	2.400 6	7.800 6	18.30 6	31.00 6	14.60 6	18.80 6	20.50 6	35.00 6	32.40 6	24.20 6	18.31
1967	2	01	11.90	6.600 6	4.400 6	8.900 6	8.230 6	9.770 6	7.930 6	5.890 6	15.96	16.99	14.33	8.991	10.00
1968	2	01	5.939 6	2.566 8	2.847	3.998	23.85 8	25.84 8	10.68	12.64	11.51	12.86	9.343	11.63	10.87
1969	2	01	10.76	9.729	8.836	12.95	15.21	17.69	13.52	15.21	16.93	15.26	16.45 6	12.24 6	13.84
1970	2	01	12.72	7.477	6.584	5.887	14.76	17.48	18.83 6	22.29 8	22.86 8	24.23 8	28.88 8	26.16 8	17.21
1971	2	01	12.76	7.888	5.797	7.872	23.36	18.56	9.889	12.82	17.71	25.64 8	20.71	9.073	13.54
1972	2	01	9.065	5.887	5.852	18.33 8	28.12 8	24.23 8	12.15	19.66 8	22.65 8	21.65	11.86	6.854	15.52
1973	2	01	5.127	3.479	3.403	5.626	7.560	14.52 8	10.39	11.65 6	20.71 6	34.79 8	36.92 8	18.65	14.44
1974	2	01	7.915	4.229	3.829	5.886	18.48 8	12.49	8.476	12.95	21.69 8	25.72 8	38.74 8	9.618	14.18
1975	2	01	4.213	3.043	3.115	3.138	12.96 8	12.84	12.38	9.919	18.31	26.85 8	37.08 8	21.39 6	13.62
1976	2	01	13.98 6	9.529 6	7.828 6	9.868 6	13.76 8	20.87 8	6.945 8	8.128 6	21.08 8	34.84 8	19.63 6	8.648 6	14.52
1977	2	01	5.034 6	4.283 6	3.644 6	4.133	18.88	13.28	7.488	11.58	18.58 6	12.19	23.87	9.193	10.28
1978	2	01	5.836	3.823 7	5.589	20.56	28.72	13.96	14.34	16.25	14.34	28.26 8	16.78	8.284	13.39
1979	2	01	4.664	3.575	2.978	7.769	13.92	11.17	7.596 6	22.45 6	27.52 6	34.34	30.84	16.06	15.24
1980	2	01	9.391	4.655 6	5.295 6	5.951 6	15.47	15.78	11.95	18.15	17.11	29.48	28.16	13.48	13.89
1981	2	01	6.888	5.564	5.774	22.68 8	52.82 8	37.53 8	15.98	21.33 8	23.63 8	38.41 8	23.29 8	11.25 8	21.58
1982	2	01	6.587 1	5.816	3.878 1	9.296 8	35.47 8	24.56 8	11.41 8	18.71 8	11.86 8	27.28 6	9.753 8	5.837 1	13.34
1983	1	01	4.874 1	3.684 6	5.676 6	13.97 8	25.16 8	51.88 8	15.88 8	25.28 8	19.76 6	27.26 6	21.67 8	8.868 6	18.59
1984	1	01	4.457 6	4.279 6	3.988 1	4.688 1	5.626	8.627	18.79	18.58 8	59.33 8	37.82 8	41.54 8	11.87	17.56
1985	1	01	6.887	5.586	6.788 6	5.888	13.26 8	17.72 8	7.987 1	11.81 8	16.18 8	51.17 8	34.89 8	23.38 8	16.65
1986	1	01	6.174 1	5.146 1	4.958 1	15.48 8	35.88 8	33.83 8	7.635 1	12.58	38.51 8	44.88 8	14.18	6.488	18.33
1987	1	01	5.888 6	4.888 6	4.818 7	13.44 8	35.58 8	18.58	15.46 6	17.67 8	15.34 8	28.83 8	17.17 8	11.58 6	18.87
1988	1	01	7.888 6	6.888 6	3.888 6	7.888 6	34.88 6	33.75 8	21.15 1	42.14 8	66.83 8	68.87 6	44.88 6	17.58	28.38
1989	1	01	9.788 6	8.388 6	8.488 6	6.188 6	28.36 8	14.29	14.57	27.49 6	19.84 6	33.58 6	19.51	23.84 6	18.34
1990	1	01	7.388	7.388	5.188	9.888	24.98	14.38	11.18	24.58	23.18	62.48	43.88	18.38	28.74
1991	1	01	8.948	8.888 6	7.988 6	7.888 6	21.97 3	12.31 1	7.248	12.86	22.88	29.18 1	22.17 1	9.818 1	14.18 3
1992	1	01	6.388 1	4.888 1	3.388 8	11.18 8	19.38	18.98	15.38	12.98	23.48	19.48	9.788	7.388	12.58
1993	1	01	5.888	3.578	3.278 8	9.578 8	48.46 1	15.36	18.85 1	14.59 1	19.55 1	17.78	33.77	14.84	15.67
MEDIOS			7.678	5.477	4.871	9.139	22.12	19.82	11.83	16.77	22.46	31.19	24.86	13.41	15.89
MAXIMOS			13.98	9.729	8.488	22.68	52.82	51.88	21.15	42.14	66.83	78.83	44.88	26.16	78.83
MINIMOS			4.874	2.488	2.488	3.828	5.626	8.627	6.945	6.698	18.58	12.86	9.343	5.837	2.48

H I M A T - INSTITUTO COLOMBIANO DE HIDROLOGIA METEOROLOGIA Y ADECUACION DE TIERRAS

SISTEMA DE INFORMACION HIDROMETEOROLOGICA

VALORES MEDIOS MENSUALES DE CAUDALES (m3/seg)

FECHA DE PROCESO : 941014

ESTACION : 2801711 MINA LA

LATITUD 1041 N — TIPO EST LG — DEPTO CESAR — FECHA-INSTALACION 1969-DIC
LONGITUD 7316 W — ENTIDAD 01 HIMAT — MUNICIPIO VALLEDUPAR — FECHA-SUSPENSION
ELEVACION 0429 m.s.n.m — REGIONAL 08 MAGDALENA — CORRIENTE DADILLO

AÑO	ESI	ENT	ENERO	FEBRE	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOST	SEPTI	OCTUB	NOVIE	DICIE	VR ANUAL
1960	4	07	6.856 6	6.262 6	10.14 6	3.250	8.539	10.11	5.894	12.15	10.94	11.63	9.570	14.80	9.11
1961	4	07	6.203	4.082	3.335	3.043	6.329	9.120	9.881	5.768	12.66	16.22	23.70	9.916	9.13
1962	4	07	5.119	3.746	3.435	3.667	11.98	11.74	7.829	10.04	9.080	15.01	10.41	6.119	8.18
1963	4	07	4.681	3.693	3.261	8.163	15.86	11.53	6.461	5.848	12.48	16.76	16.33	8.348	9.45
1964	4	07	4.613	4.969	3.168	2.370	10.11	15.61	10.50	9.328	10.06	10.22	6.020	6.503	7.79
1965	4	07	4.129	3.271	2.635	2.103	6.939	5.830	3.103	6.019	11.40	8.794	15.32	8.245	6.48
1966	4	07	5.671	3.625	2.910	2.810	10.60	24.53	12.85	7.435	10.36	10.30	33.24	42.83	14.46
1967	4	07	8.181	4.686	3.648	3.087	2.886	4.167	2.306	2.213	3.477	6.223	12.88	4.255	4.76
1968	4	07	3.261	2.683	2.884	2.033	8.819	5.383	1.729	3.313	8.757	16.47	18.18	7.187	6.59
1969	4	07	4.361	3.439	2.835	9.537	5.448	15.59	4.635	11.27	15.60	33.64	52.44	29.46	15.69
1970	4	07	7.300	4.336	5.835	4.517	7.616	10.56	11.89	13.71	13.83	14.57	19.22	18.75	10.86
1971	4	07	7.870	4.632	3.635	2.922 6	20.56 6	5.188 6	2.485 6	5.073 6	10.99 6	23.90 6	19.65 6	4.821 6	9.24
1972	2	01	2.830 6	1.971 6	1.968 6	9.550 6	20.99 6	17.88 6	4.222 6	7.733 6	9.242 6	12.86 6	4.717 6	3.984	8.18
1973	2	01	3.330	2.797	2.676	2.180 6	3.271	4.682	3.333	6.217	11.99	21.69	20.48	7.664	7.52
1974	2	01	4.449	3.486	3.072	3.364	20.32 8	6.646	3.688	5.181 6	10.66	13.79	28.72 8	8.183	9.38
1975	2	01	4.551	3.239	2.686 6	2.576 6	6.789	4.551 6	5.750 6	6.620 8	9.854	16.73 8	21.40	12.77	8.12
1976	2	01	7.654	4.860	3.777	5.084	5.796	7.791	3.750	3.669	5.343 6	15.67	11.43	4.308	6.59
1977	2	01	2.180	1.549	1.355	1.948	9.317	10.60	4.729	1.898 6	3.816 6	12.86 6	23.85 6	3.132 6	6.34
1978	2	01	4.384 6	5.188 6	2.873	9.785	7.859	8.133 6	4.230 6	4.985 6	6.987 6	4.523	8.191	4.548	5.85
1979	2	01	4.848	2.969	2.979	5.332	15.58	20.59	5.799	4.947	22.79	17.23	18.86	8.198	10.84
1980	2	01	3.582	2.843	2.695	2.689	5.121	3.338	2.828	4.128	3.714	8.184	6.525	3.376	4.07
1981	2	01	2.816	3.164	3.052	6.730	36.15 8	39.59	12.38	13.33 8	14.69	30.45 8	45.46 8	8.155	18.08
1982	2	01	4.347	4.051	3.046 1	9.152 8	46.74 6	37.77 6	7.434	6.512	5.398	18.37 8	7.184	5.382 1	13.00
1983	2	01	4.020	3.358	4.078	12.14	18.38 8	10.19 8	6.218 6	8.721 6	7.293 6	28.67 8	14.68 8	6.746 1	10.32
1984	2	01	3.761 1	3.087 1	2.908 1	2.798 1	2.631	2.927	2.782	6.386 8	24.82 8	29.36 8	24.77 8	6.576	9.38
1985	2	01	3.897	1.659	3.948 6	5.642 8	6.669 6	7.887 6	4.315 6	4.439 1	6.667 1	23.31 8	18.13 8	13.85 8	8.38
1986	2	01	3.600 6	2.800 6	2.700 6	10.10 6	23.80 6	23.20 6	4.100 6	3.800 6	8.300 6	17.60 6	11.70 6	5.400 6	9.76
1987	2	01	2.900 6	2.600 6	2.100 6	8.700 6	24.30 6	16.30 6	7.400 6	10.40 6	8.900 6	45.80 6	23.50 6	10.40 6	13.61
1988	2	01	4.100 6	3.600 6	3.900 6	6.700 6	13.40 6	10.34 8	5.920 1	13.70 8	19.80 8	31.38 8	30.50 6	6.130	12.46
1989	1	01	2.127	1.858	1.931	1.961	9.883 8	4.765	2.275	3.096	5.995	7.253	6.743	9.863	4.74
1990	1	01	5.270	4.320	4.288 6	5.210	6.560	6.320	5.930	5.950	5.890	9.210	8.730	9.570	6.20
1991	1	01	4.730	4.040	4.380	4.540	6.870	4.530	3.680	3.950	4.780	6.680	6.720	4.560	4.88
1992	1	01	2.620	1.940	1.660	2.150	7.200	5.800	3.760	4.440	8.110	8.220	7.170	4.480 1	4.81
1993	1	01	3.250 1	2.710 1	2.880 1	6.930 8	11.91 8	7.950	6.110 1	7.430 1	9.670 8	6.580 1	9.250 1	5.410 1	6.67
MEDIOS			4.498	3.459	3.249	5.076	12.45	11.48	5.534	6.725	10.08	16.98	17.45	9.162	8.85
MAXIMOS			8.181	6.262	10.14	12.14	46.74	39.59	12.38	13.71	24.82	45.80	52.44	42.83	52.44
MINIMOS			2.127	1.549	1.355	1.948	2.631	2.927	1.729	1.898	3.477	4.523	4.717	3.132	1.36

H I M A T - INSTITUTO COLOMBIANO DE HIDROLOGIA METEOROLOGIA Y ADECUACION DE TIERRAS

SISTEMA DE INFORMACION HIDROMETEOROLOGICA

VALORES MEDIOS MENSUALES DE CAUDALES (m3/seg)

FECHA DE PROCESO : 941014

ESTACION : PA01712 ARIGUANI MAO

LATITUD	1038 N	TIPO EST	LG	DEPTO	CESAR	FECHA-INSTALACION	1988-DIC
LONGITUD	7328 W	ENTIDAD	01 HIMAT	MUNICIPIO	VALLEDUPAR	FECHA-SUSPENSION	
ELEVACION	0550 m.s.n.m	REGIONAL	08 MAGDALENA	CORRIENTE	GUATAPURI		

AÑO	EST	ENT	ENERO	FEBRE	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOST	SEPTI	OCTUB	NOVIE	DICIE	VR MANU
1982	2	01	6.889 6	6.162 6	5.396 1	9.554 6	32.77 6	23.09 6	10.64 6	12.14	31.68 8	48.83 8	13.53	8.684	17.37
1983	2	01	7.510	6.975	8.983 8	13.43 8	21.94 8	24.37 8	16.85 8	22.62 8	15.20	26.65 8	19.67 8	7.864 6	15.93
1984	2	01	5.222 6	5.865 6	4.735 6	5.433 6	6.390 1	10.62 1	13.97 1	18.40 1	55.28 1	39.33 1	38.61 1	11.90 1	17.92
1985	2	01	5.365 1	6.264 6	7.323 6	3.845 6	10.12 6	16.19 1	7.113 1	12.39 6	15.66 6	41.84 6	25.38 6	21.97 6	14.56
1986	2	01	6.765 6	5.888 6	5.675 6	15.06 6	32.49 6	31.49 6	7.884 6	12.44 6	28.59 6	32.47 6	16.11 1	7.176 1	16.83
1987	2	01	6.888 6	5.700 6	5.100 6	13.10 6	32.50 6	16.80 6	16.50 6	16.90 6	15.30 6	57.00 6	17.40 6	11.80 6	17.70
1988	2	01	6.800 6	6.300 6	6.390 6	9.302 6	14.00 6	27.72 3	13.40 6	17.10 6	106.2 6	61.50 6	48.60 6	13.40 6	25.89 3
1989	1	01	9.700 6	8.809 6	8.990 6	6.600 6	20.23 6	11.82 1	10.19 8	12.66 1	16.75 6	22.98 6	24.47 1	24.10 1	14.79
1990	1	01	7.048 6	8.108 6	6.700 6	9.000 6	19.80 6	13.10 6	11.20 6	16.78 8	8.108 8	24.23 8	37.80 6	15.60 6	14.79
1991	1	01	9.100 6	8.500 6	8.400 6	8.400 6	16.90 3	8.550 1	4.980 3	12.50 6	20.60 6	26.10 6	21.30 6	7.520 3	12.74 3
1992	1	01	5.720 1	4.170 1	3.680 1	8.890 8	20.53 8	12.67 6	8.520 6	12.40 6	24.50 6	14.89 6	11.46 1	8.050 1	11.29
1993	1	01	4.810 1	3.530 1	3.240 1	9.500 6	34.80 6	14.48 6	18.78 6	13.70 6	19.10 6	16.68 8	27.71 8	10.83 1	14.08
MEDIOS			6.737	6.282	6.196	9.343	21.87	17.68	11.88	15.88	29.74	34.24	24.58	12.35	16.24
MAXIMOS			9.700	8.809	8.983	15.06	34.80	31.49	16.85	22.62	106.2	61.50	48.60	24.10	106.20
MINIMOS			4.810	3.530	3.240	3.845	6.390	8.550	4.980	12.14	8.108	14.89	11.46	7.864	3.24

H I M A T - INSTITUTO COLOMBIANO DE HIDROLOGIA METEOROLOGIA Y ADECUACION DE TIERRAS

SISTEMA DE INFORMACION HIDROMETEOROLOGICA

VALORES MEDIOS MENSUALES DE CAUDALES (m3/seg)

FECHA DE PROCESO : 941014

ESTACION : 2802702 MATILDE LA

LATITUD 1010 N — TIPO EST LG — DEPTO CESAR — FECHA-INSTALACION 1962-08
LONGITUD 7316 W — ENTIDAD 01 HIMAT — MUNICIPIO AGUSTIN CODAZZI — FECHA-SUSPENSION
ELEVACION 0114 m.s.n.m — REGIONAL 08 MAGDALENA — CORRIENTE JOBO

AÑO	EST	ENT	ENERO	FEBRE	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOST	SEPTI	OCTUB	NOVIE	DICIE	VR ANUAL
1962	4	07	.170 6	.080 6	.170 6	.190 6	1.500 6	1.450 6	.920 6	1.210 6	1.100 6	1.820 6	1.280 6	.235	0.84
1963	4		.871	seco	seco	3.188	22.42	2.582	.532	.176	.330	2.568	7.050	.511	3.29
1964	4		.153	seco	seco	.026	1.480	2.595	7.424	1.121	1.094	3.732	.928	.034	1.54
1965	4	07	.001	seco	seco	seco	.310	.269	seco	.052	.355	2.839	.942	.750 6	0.46
1966	4		seco	seco	seco	.002	.012	seco	seco	seco	.025	.074	.170	.046	0.03
1967	4	07	seco	seco	seco	seco	seco	seco	seco	.004	.210 6	.650 6	1.500 6	.210 6	0.22
1968	2	01	seco	seco	seco	seco	.892 6	.532 6	seco	.199 6	1.153 6	2.332 6	2.647 6	.261 6	0.68
1969	2	01	.110 6	.050 6	.020 6	1.870 6	.590 6	2.010 6	.470 6	1.400 6	2.010 6	4.440 6	7.200 6	5.980 6	2.10
1970	2	01	.482 6	.258	.115	.294	.867	1.491	.642	1.569	2.113	4.841 8	5.683	5.274 6	1.97
1971	2	01	.813	.361	.543	2.285	6.026 6	1.718	.593	3.872 8	3.849 8	3.490	5.306 7	1.290	2.53
1972	2	01	1.981 8	.249 6	.920 6	5.872 7	1.940 6	.780 6	.860 6	seco	seco	1.190 6	1.280 6	seco	1.05
1973	2	01	seco	seco	seco	2.482	.293	2.982	.082	1.307	2.531	4.644	3.865	1.424	1.60
1974	2	01	.067	seco	seco	1.734	7.660 8	1.594	.468	.167	2.892	4.856 8	7.335 6	2.183 8	2.35
1975	2	01	.520	.102	.022	.071	2.369	.898	.848	1.352	1.532 1	4.151 8	8.673 8	4.128 8	2.05
1976	2	01	.378	.183	.047	.944	.939	.702 1	.227	.149	.348	6.484 1	9.753	.436 1	1.72
1977	2	01	.348	.050	seco	.327 6	1.650 6	.199	.637	.564	.394 1	3.850 1	11.45 8	.660	1.61
1978	2	01	.339	.159	.453	7.874 6	7.438 8	4.152	1.684	.942	.787	1.971	3.339 1	1.626 1	2.56
1979	2	01	.472 1	.814	seco	2.488	12.67	8.983 1	1.478	1.826 1	7.345 1	8.775 1	12.45 1	3.283	4.96
1980	2	01	1.388	1.700	.833	.913 1	3.913 1	1.874 1	1.122 1	2.105 1	1.490 1	2.310	1.403	.850 1	1.70
1981	2	01	.243 1	.198	.285	2.875	11.68 1	7.871 1	2.673	1.330	3.446	7.775	5.353 1	1.598 1	3.70
1982	2	01	1.214	.256	.138	.924 6	10.69 6	8.530 6	1.890	.678	.450	1.748	1.845	.221	2.25
1983	2	01	seco	seco	.322	4.149 8	4.762	6.422	.735	.199	.947	2.763	3.729	.285	1.98
1984	2	01	.845	.888	seco	.131	.468	.315	.751	.874	1.855	3.979 8	10.28 1	1.778 1	1.66
1985	2	01	.476 1	.134	seco	seco	1.894	.958	.179	.913	2.877 8	5.868 8	10.35 8	2.861 1	0.19
1986	2	01	.635 1	.395	.534	4.536 8	5.452	5.868 8	1.249 1	.697	1.261	4.559	1.913 1	.585 1	2.24
1987	2	01	.688 6	.488 6	.888 6	3.888 6	8.832 8	3.257	1.522	1.476	2.495 1	11.74 8	7.728 8	3.585 1	3.88
1988	2	01	1.818 1	.576 1	.260 1	4.148 8	4.527 6	3.681 8	2.156 1	3.434 1	6.682 6	7.095 8	11.74 8	3.705 6	4.18
1989	1	01	1.388 6	.888 6	4.388 6	1.688 6	3.149 3	1.688 1	.834 1	.695 7	1.517	4.946 8	3.239	4.498	2.38 3
1990	1	01	.883 1	.554 1	.866	5.343	5.982	1.523	.917	.897 1	.987 1	4.635 8	5.232	3.627	2.62
1991	1	01	.636	.321	.512	.727	1.551	.927 1	.483 1	.249	.517 8	1.662 1	1.128 1	.293	0.75
1992	1	01	seco	seco	seco	seco	2.768 8	.958 1	.358 1	.288	.848	1.338	2.218 8	1.888	0.87
1993	1	01	1.218 1	.858	seco	.478 8	7.848	4.681 6	.478	.338 1	.938 1	.778 1	2.158 1	.898 1	1.58
MEDIOS			0.485	0.282	0.383	1.796	4.397	2.489	0.954	0.888	1.662	3.822	4.985	1.748	1.98
MAXIMOS			1.981	1.700	4.388	7.874	22.42	8.983	7.424	3.434	7.345	11.74	12.45	5.988	22.42
MINIMOS			seco	seco	seco	seco	seco	seco	seco	seco	seco	0.074	0.170	seco	seco

H I M A T - INSTITUTO COLOMBIANO DE HIDROLOGIA METEOROLOGIA Y ADECUACION DE TIERRAS

SISTEMA DE INFORMACION HIDROMETEOROLOGICA

VALORES MEDIOS MENSUALES DE CAUDALES (m3/seg)

FECHA DE PROCESO : 941014 ESTACION : 2A02703 FLORES LAS

LATITUD 1006 N TIPO EST LM DEPTO CESAR FECHA-INSTALACION 1962-OCT
LONGITUD 7315 W ENTIDAD 01 HIMAT MUNICIPIO AGUSTIN CODAZZI FECHA-SUSPENSION
ELEVACION 0412 m.s.n.m REGIONAL 06 MAGDALENA CORRIENTE MAGIRIZANO

AÑO	EST	ENT	ENERO	FEBRE	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOST	SEPTI	OCTUB	NOVIE	DICIE	VR ANUAL
1965	4	07	.953	.524	.295	.340	.515	.360	.370	.700	.766	588	.727	.360	0.54
1966	4	07	.288	.234	.189	.217	.435	1.177	.938	.700	3.869	7.046	18.64	17.25	4.18
1967	2	01	1.700 6	1.300 6	1.100 6	2.100 6	1.900 6	6.500 6	1.500 6	1.900 6	2.900 6	4.800 6	4.400 6	2.200 6	2.69
1968	4	07	.315 6	.315 6	.315 6	.315 6	1.218 6	.853 6	.315 6	.516 6	3.350 8	5.998	3.883	1.358	1.50
1969	4	07	1.185	.943	.732	4.388	5.561	4.480	1.692	1.971	3.316	8.920 6	14.25 6	6.040 6	4.44
1970	4	07	.882 6	.576 6	.431 6	.613 6	1.193 6	1.825 6	1.045 6	.869 6	2.818	8.785	6.872 6	8.495 6	2.73
1971	4	07	1.086 7	453	461	1.370	7.676 6	2.888	.614	1.275	2.368	3.170	6.107	1.232	2.32
1972	2	01	.595	.488	589	1.164	3.836	1.966	.771	1.239	1.818	1.815	.969	.724	1.20
1973	2	01	.648	.558	.588	1.500	2.970 6	1.188	1.888	1.322	4.160	6.288	7.758	2.448	2.52
1974	2	01	1.129	.768	.928	1.198	8.123	2.712	1.614	1.532	3.434	4.788	8.184	2.599	3.07
1975	2	01	1.288	.864	1.073	1.811	5.018	2.737	3.283	3.295	3.645	6.448	9.181 6	5.187	3.57
1976	2	01	2.344	1.577	1.131	2.172	2.722	1.965	1.013	.839	2.355	8.816	6.166	1.387	2.71
1977	2	01	1.162	.684	.915 6	1.259 6	11.30	9.888	3.973	2.625	3.464	2.965	7.516	2.882	3.91
1978	2	01	1.175	1.181	1.594	12.66	8.397	4.493	1.338	.664	.857	3.368	3.571	1.364	3.39
1979	2	01	2.045	.340	.343	2.661	9.974	11.20	2.752	2.597	11.43	18.27	12.71	3.817	5.85
1980	2	01	2.045	1.289	.617	1.855	3.591 8	2.417	1.245	1.349	1.195	1.487	1.594	1.896	1.58
1981	2	01	.811	.743	.854	6.844	25.21 8	15.20 8	5.685	3.398	7.386	9.614 8	7.868	2.482	7.11
1982	2	01	2.146	2.133	1.866	4.514	21.77 6	7.461	2.812	1.689	2.442	4.799 6	2.289	.997	4.58
1983	2	01	.394	.388	1.468 8	4.234 8	8.192	5.966	2.268	1.615	1.846	1.675	1.967	.888 8	2.58
1984	2	01	.888 8	.881 8	.165 8	.443 8	1.283 8	.839 8	1.198 8	2.343 6	7.183	9.293 8	11.96 8	1.518	3.83
1985	2	01	.428	335	384	2.382	5.741	1.874	861	1.496	1.168	4.787	8.885	3.518	2.57
1986	2	01	.584	827	1.933	2.885	11.01	12.67	2.879	1.376	2.538	9.756	5.114	2.755	5.11
1987	2	01	1.888	.988	1.318	5.838	11.28	11.84	1.888	5.968	1.668	11.97 8	6.118	3.668	5.21
1988	1	01	1.811	.395	.998	3.329	4.581	5.629 8	3.785	6.588	26.93 8	17.96	28.89 8	18.43	9.18
1989	1	01	2.855	1.888	7.778 8	2.591	7.898 7	3.661	1.701	1.821	3.816	3.859	2.534	3.895	3.50
1990	1	01	1.878	1.898	.935	3.835	9.289 8	3.589	1.654	1.245	1.639	8.379	7.441	5.521	3.88
1991	1	01	.628	.528	.698	2.218	3.778	.918	.598	.698	.658	3.218	1.848	1.488 6	1.43
1992	1	01	seco	seco	seco	.758	2.878	2.378 8	.588	.338	2.438 8	2.858	2.868	1.828	1.28
1993	1	01	.478	.328	.378	6.498	16.38	3.628	1.438	.958	2.448	1.178	2.458	.988	3.88
MEDIOS			1.818	0.739	1.888	2.944	6.989	4.467	1.758	1.815	3.844	5.993	6.654	3.298	3.39
MAXIMOS			2.344	2.133	7.778	12.66	25.21	15.20	5.685	6.588	26.93	17.96	28.89	17.25	28.89
MINIMOS			seco	seco	seco	0.217	0.435	0.368	0.315	0.338	0.658	0.588	0.737	0.888	seco

H I M A T - INSTITUTO COLOMBIANO DE HIDROLOGIA METEOROLOGIA Y ADECUACION DE TIERRAS

SISTEMA DE INFORMACION HIDROMETEOROLOGICA

VALORES MEDIOS MENSUALES DE CAUDALES (m3/seg)

FECHA DE PROCESO : 941014 ESTACION : 2802704 STA TERESA

LATITUD	0947 N	TIPO EST	LM	DEPTO	CESAR	FECHA-INSTALACION	1962-NOV
LONGITUD	7318 W	ENTIDAD	01 HIMAT	MUNICIPIO	AGUSTIN CODAZZI	FECHA-SUSPENSION	
ELEVACION	0000 m.s.n.m.	REGIONAL	08 MAGDALENA	CORRIENTE	RICARDE		

AÑO	EST	ENT	ENERO	FEBRE	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOST	SEPTI	OCTUB	NOVIE	DICIE	VR ANUAL
1962	4	07	.664 6	.551 6	.664 6	.689 6	2.348 6	2.277 6	1.689 6	1.375 6	1.836 6	2.743 6	2.063 6	1.636	1.59
1963	4	07	.888	.462 6	.458 6	3.120	9.584	3.448	1.299	.985	1.544	2.582	4.990	1.021	2.52
1964	4	07	.645 6	.458 6	.748 6	.483 6	5.468 6	4.362	2.898	1.935	1.824 7	3.362	2.816	.886	2.02
1965	4	07	.398	.174 7	.861	.113	1.488	1.285	.481	.488	.976	2.378	3.433	1.495	1.04
1966	4	07	.658	.453	.458 6	1.558 6	5.728 6	3.178 6	1.498 6	.825 6	5.598 6	9.848 6	7.828 6	3.252 6	3.49
1967	4		.135	.115	.218	.561	1.558 6	2.288 6	1.288 6	1.238 6	1.918 6	3.388 6	6.518 6	2.328 6	1.88
1968	2	01	1.778 6	1.429 6	1.154 6	1.127 6	4.399 6	2.982 6	.966 6	1.885 6	4.691 6	8.779 6	9.685 6	3.859 6	3.55
1969	2	01	2.361 6	1.872 6	1.552 6	5.184 6	2.937 6	8.259 6	2.586 6	6.823 6	8.318 6	17.88 6	27.84 6	15.66 6	8.36
1970	2	01	3.919 6	2.348 6	2.718 6	2.444 6	4.086 6	5.646 6	5.927 6	7.316 6	7.379 6	7.772 6	10.24 6	9.987 6	5.82
1971	2	01	1.275	.553	.684	1.157	3.046	1.644	.919	2.312	3.354	5.698	5.745 6	1.496	2.32
1972	2	01	1.884	.496	.681	3.952	7.178	5.274 8	.733	1.588 8	.922	1.312	3.899 8	.544	2.23
1973	2	01	.288	.165	.151	.782	.431	.351	1.218	3.471 8	8.298 8	11.27 8	6.968 8	1.613	2.91
1974	2	01	.789	.611	.534	.599	3.348	.726	.518	.585	2.887	5.529 8	4.892	1.897	1.84
1975	2	01	.479	.385	.352	.293	1.591	1.558	3.555 8	2.282	4.157	8.887 8	18.97 8	2.561	3.82
1976	2	01	.757	.457	.318	.992	.884	.877	.521	.248	.468	8.985 8	4.882 8	.364	1.63
1977	2	01	.221	.182	.166	.332	3.485	4.926 8	.351	1.828 6	.389	1.132	6.963 8	.441	1.62
1978	2	01	.225	.437	1.161	6.683	5.473	2.282	1.733	1.883	1.221	6.298	5.557	.938	2.75
1979	2	01	.372	.272	.226	.539	5.189 8	8.115 8	1.177	1.897 8	9.946 8	14.28 8	18.76 8	2.865	4.56
1980	2	01	.944	.513	.377	.449	1.657	1.437	.585	1.838	1.172	1.771	4.281 8	2.577 8	1.48
1981	2	01	.672	.551	.775	2.521	19.88	21.22 6	4.475	2.618	5.848	6.878	4.627	.972	5.92
1982	2	01	.635	.776	.454	2.348	9.999 8	2.658 6	.791	.587	1.214	4.234	1.267	.648	2.13
1983	2	01	.555	.513	.635	1.466	6.188 8	3.048 8	.924	1.886	1.837	3.826 8	2.456	.884	1.88
1984	2	01	.585	.497	.447	.888	3.164 8	1.349	1.585	1.684	18.44 8	9.614 8	13.93 8	1.648	3.68
1985	2	01	.724	.399	.293	.662	2.278 8	1.687 8	1.345	1.689 8	2.891 8	5.998 8	3.292 8	1.771 8	1.85
1986	2	01	1.587	1.178	1.248	2.888	1.814	2.838	.751	.641	.936	9.838	1.278	.718	3.27
1987	2	01	.388 8	.288 8	.488 8	3.888 8	9.188 8	2.288 8	2.188 8	3.388 8	7.388 8	44.88 8	14.98 8	1.788 8	7.38
1988	1	01	1.881 8	.778 6	.728 8	2.617 8	6.838 8	6.386 8	2.783	7.622 8	18.29	13.73 8	13.73 6	3.686	5.79
1989	1	01	1.389	.915	1.227	1.129	5.884 8	2.966	1.884	1.371	3.997 8	6.874 8	4.677	2.229	2.67
1990	1	01	.577	.485	.356	2.818	4.686 8	4.183 8	1.824	.828	1.818	4.229 8	5.864 8	3.322	2.38
1991	1	01	.468	.328	.428	.728	1.958	1.218	.638	.268	.838	4.128	.738	.338	1.88
1992	1	01	.228	.178	.188 8	.648 8	3.468 8	2.248	.858	1.168	3.378 8	8.488	2.448	1.188	1.53
1993	1	01	.418	.228	.288	4.828 8	11.25 8	2.998	.728	.498	4.358 8	3.348 8	2.738 8	1.128	2.67
MEDIOS			0.841	0.684	0.625	1.765	5.822	3.832	1.463	1.934	3.757	7.497	6.588	2.896	3.82
MAXIMOS			3.919	2.348	2.718	6.683	19.88	21.22	5.927	7.622	18.44	44.88	27.84	15.66	44.88
MINIMOS			0.135	0.115	0.861	0.113	0.431	0.351	0.345	0.248	0.388	1.132	0.738	0.338	0.86

H I M A T - INSTITUTO COLOMBIANO DE HIDROLOGIA METEOROLOGIA Y ADECUACION DE TIERRAS

SISTEMA DE INFORMACION HIDROMETEOROLOGICA

VALORES MEDIOS MENSUALES DE CAUDALES (m3/seg)

FECHA DE PROCESO : 941014

ESTACION : 2802705 BECERRIL

LATITUD	0943 N	TIPO EST	LM	DEPTO	CESAR	FECHA-INSTALACION	1963-JUN
LONGITUD	7317 W	ENTIDAD	01 HIMAT	MUNICIPIO	AGUSTIN CODAZZI	FECHA-SUSPENSION	
ELEVACION	0106 m.s.n.m	REGIONAL	08 MAGDALENA	CORRIENTE	MARACAS		

AÑO	EST	ENT	ENERO	FEBRE	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOST	SEPTI	OCTUB	NOVIE	DICIE	VR ANUAL
1965	2	01	1.200 6	.900 6	.800 6	1.100 6	2.000 6	2.300 6	1.600 6	1.500 6	3.700 6	4.300 6	5.400 6	3.200 6	2.33
1966	2	01	1.500 6	1.300 6	1.200 6	2.900 6	7.900 6	4.400 6	2.700 6	1.900 6	8.800 6	12.20 6	10.10 6	5.300 6	5.80
1967	2	01	.800 6	.800 6	1.000 6	1.700 6	2.200 6	3.400 6	2.500 6	2.400 6	4.700 6	5.400 6	8.700 6	4.200 6	3.15
1968	2	01	2.900 6	2.400 6	2.100 6	2.300 6	5.100 6	4.800 6	2.100 6	3.100 6	7.800 6	11.20 6	12.10 6	5.900 6	5.17
1969	2	01	1.148	.257	.190	12.19	6.858	11.60	1.419	1.452	7.820	33.67	29.01	5.655	9.27
1970	2	01	5.558	1.148	1.266	2.020	8.281	7.897 8	3.976	8.394	12.86	28.68 7	19.41	10.35	8.48
1971	2	01	4.152	1.600	1.200	3.153	3.506	2.160	1.055	1.326	6.973	9.442	14.52	2.487	4.38
1972	2	01	6.886	1.579	1.361	10.49	6.677	3.257	1.513	2.561	1.537	1.932 1	1.860	.626	3.22
1973	2	01	.281	.088	.248	.863	1.452 7	1.387 7	2.235 1	2.874 1	8.400 1	10.81 1	12.64 1	3.100 1	3.78
1974	2	01	1.287 1	.743 1	1.304 1	.844 1	3.888 1	.836 1	.585 1	1.386 1	8.883	8.357 1	10.42 1	2.293 1	3.38
1975	2	01	.826 1	.761 1	1.536 1	.640 1	2.032 1	1.897 1	6.884 1	4.742 1	9.297 1	21.76 8	25.91 1	17.66	7.82
1976	2	01	6.648	1.310	.961	5.193	5.213 1	2.667 1	1.218	1.784 1	4.757	21.89	11.26	1.187 1	5.34
1977	2	01	.384 1	.296 1	.339 1	.612 1	6.272 1	3.128 1	2.580 6	1.670 6	2.240 6	4.127 6	10.75 1	1.018 1	2.79
1978	2	01	.544	1.229	2.556 1	8.250 1	6.263 1	6.486	5.440	5.447	3.236 1	4.786 1	5.531 1	2.176	4.32
1979	2	01	.494	.311	.558	1.643	5.436 8	11.89 1	4.281 1	2.781	18.32	28.18	43.76 1	15.48	10.42
1980	2	01	1.280 6	1.600 6	.980 6	.610 6	2.182	2.933	1.186	4.910	3.794	6.789	9.845	3.977	3.33
1981	2	01	2.453	2.350	2.665	12.09 8	29.13	22.97	8.880	7.399	14.37	6.400 6	4.680 6	1.570 6	9.56
1982	2	01	1.340 6	1.340 6	1.000 6	2.950 6	14.63 6	4.940 6	1.800 6	2.300 6	1.540 6	3.140 6	2.747 6	1.288	3.25
1983	2	01	1.122	seco	1.182 7	6.229	5.884	4.954	3.170	4.484	3.314	2.560	2.833	1.318	3.09
1984	2	01	1.171	1.865	1.185	.580	3.280	1.973	5.028	4.181 6	18.30 6	6.180 6	7.990 6	.881	4.37
1985	2	01	.186 6	.700 6	.161 6	.850 6	.884	.915	1.866	1.690	4.623	2.124	15.95	6.236	2.95
1986	2	01	.880	.845	1.562	2.490 7	4.780 6	6.900 6	1.680 6	1.780 6	2.580 6	7.983 8	1.125 8	.845 8	2.71
1987	1	01	.200 6	.900 6	.700 6	2.000 6	5.600 6	3.800 6	1.500 6	5.377 7	10.11 8	31.54 8	10.30 6	5.200 6	6.45
1988	1	01	1.600 6	1.300 6	1.200 6	3.300 6	5.900 6	1.847 8	3.500	19.84 8	17.90 6	10.50 6	10.90 6	4.600 6	5.87
1989	1	01												11.25 8	11.25
1992	1	01	.500	.350	.370	.420	1.570	2.534 6	3.125 6	3.840	8.510	6.830	4.130	5.850	3.84
1993	1	01	.960	1.520	.690	5.470	8.780	5.630	3.480	3.280	3.590	1.400	2.490	2.545 6	3.32
MEDIOS			1.747	1.057	1.006	3.497	6.022	4.879	2.856	3.932	7.300	10.89	11.29	4.619	4.93
MAXIMOS			6.648	2.400	2.665	12.19	29.13	22.97	8.880	19.84	18.30	33.67	43.76	17.66	43.76
MINIMOS			0.186	seco	0.161	0.420	0.884	0.836	0.585	1.326	1.537	1.400	1.860	0.245	seco

I M A T - INSTITUTO COLOMBIANO DE HIDROLOGIA METEOROLOGIA Y ADECUACION DE TIERRAS

SISTEMA DE INFORMACION
HIDROMETEOROLOGICA

VALORES MEDIOS MENSUALES DE CAUDALES (m3/seg)

FECHA DE PROCESO : 941014

ESTACION : 2802716 ISLANDIA

LATITUD	093A N	TIPO EST	LM	DEPTO	CESAR	FECHA-INSTALACION	1974-NOV
LONGITUD	7337 W	ENTIDAD	01 HIMAT	MUNICIPIO	CHIMICHAGUA	FECHA-SUSPENSION	
ELEVACION	0045 m.s.n.m	REGIONAL	08 MAGDALENA	CORRIENTE	CALENTURITAS		

AÑO	EST	ENT	ENERO	FEBRE	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOST	SEPTI	OCTUB	NOVIE	DICIE	VR ANUAL
1974	1	01	5.900 6	4.800 6	5.900 6	4.900 6	10.40 6	4.900 6	4.400 6	4.900 6	19.60 6	18.80 6	22.50 6	7.700 6	9.65
1975	1	01	4.900 6	4.900 6	6.200 6	4.600 6	7.100 6	7.000 6	15.90 6	12.10 6	20.50 6	43.30 6	58.80 6	25.80 6	17.76
1976	1	01	15.60 6	5.900 6	5.300 6	13.00 6	13.00 6	8.400 6	5.700 6	6.900 6	12.30 6	42.50 6	84.10 6	5.700 6	13.96
1977	2	01	1.082	.850	.802	.836	1.666	1.480 6	3.816	3.200	1.318	14.78	32.69	10.99	6.13
1978	2	01	1.525	1.290	7.249	13.47	35.36	17.18	7.972	7.007	6.870	17.24	21.88	9.677	12.40
1979	2	01	.786 8	.300 8	.811 8	4.647 8	15.01	30.86	8.174	4.977	34.46	52.67 8	74.55 8	18.97	20.45
1980	2	01	3.199	3.200	1.236	3.184 6	4.358	5.984	1.339	2.998	2.471	12.97	25.68	4.937	6.05
1981	2	01	5.230	3.369	1.538	9.476	69.15	55.96	25.99	16.93	32.90	30.95	46.56	5.230 6	25.63
1982	2	01	2.900 6	3.071	1.360	13.44	43.02	7.026	2.662	4.394	8.160	19.25	18.27 6	3.980 6	10.31
1983	2	01	2.320 6	1.860 6	2.773	5.419 6	33.59 6	28.85 6	13.60	11.00	9.295	18.68	15.13	2.651 7	11.36
1984	2	01	1.868 6	3.944	1.271	2.528	5.256	4.924	3.137 7	10.01 7	17.53	22.49	33.24 6	12.30 6	11.00
1985	2	01	1.774	.512	1.690 8	6.433	13.04	4.687	.487	10.39	17.79	22.08	29.35	15.98	10.34
1986	2	01	2.253	4.457	4.247	5.399	12.34	17.74	3.160	2.651	6.246	25.44	11.49	2.117	8.33
1987	2	01	578	1.988	549	4.513	15.54	9.348	1.998	2.598	13.44	25.26	29.68	13.93	11.13
1988	1	01	1.869	731	1.119	2.739	4.845	13.61	22.21	22.25 7	44.63	26.45	40.28	16.74	13.57
1989	1	01	3.853	1.724	4.999 7	1.995	11.43	7.256	1.917	5.145	22.47 7	16.52	11.28	10.46	8.18
1990	1	01	.952	.690	.643	5.153	16.12	10.61	3.122	3.122	3.333	14.08	18.94	14.32	7.84
1991	1	01	1.548	.870	2.500 6	.804 7	1.800	.980	.940	1.250	3.330	9.290	3.130	.980	2.27
1992	1	01	.140 8	.010 8	6866	.500	5.350	2.500	3.400 6	3.650	7.660 8	12.11 8	7.390 6	6.870 8	4.24
1993	1	01	770	910	.540 A	12.40 8	21.80 A	11.42 8	3.150	5.750 8	14.15 8	6.610	18.55 8	8.420 8	7.98
MEDIOS			2.987	2.236	2.619	6.117	16.98	13.49	7.211	7.117	15.55	21.50	35.98	10.97	11.12
MAXIMOS			15.60	5.900	7.249	13.47	69.15	55.96	25.99	33.75	44.63	58.67	74.55	35.80	74.55
MINIMOS			0.140	0.010	0866	0.500	1.666	0.980	0.940	1.250	1.318	4.710	3.130	0.980	0866

H I M A T - INSTITUTO COLOMBIANO DE HIDROLOGIA METEOROLOGIA Y ADECUACION DE TIERRAS

SISTEMA DE INFORMACION HIDROMETEOROLOGICA

VALORES MEDIOS MENSUALES DE CAUDALES (m3/seg)

FECHA DE PROCESO : 941014

ESTACION : 2803701 PTE CALLAO

LATITUD	1022 N	TIPO EST	LM	DEPTO	CESAR	FECHA-INSTALACION	1968-DIC
LONGITUD	7319 W	ENTIDAD	01 HIMAT	MUNICIPIO	VALLEDUPAR	FECHA-SUSPENSION	
ELEVACION	0120 m.s.n.m	REGIONAL	08 MAGDALENA	CORRIENTE	AZUCARBUENA		

AÑO	EST	ENT	ENERO	FEBRE	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOST	SEPTI	OCTUB	NOVIE	DICIE	VR ANUAL
1962	4	09	.440 6	.350 6	.460 6	.460 6	1.720 6	1.700 6	1.170 6	1.450 6	1.340 6	2.830 6	1.520 6	.740 8	1.11
1963	4		.444	.436	.270	.831	4.736	2.949	1.238	.928	2.265	5.813	5.861	.703	2.21
1964	4		.437	.438	.395	.203	3.749	8.611	4.464	2.787	3.021	5.862	3.165	.655	2.77
1965	4	09	.082	.307 6	.260 6	.220 6	1.060 6	2.849	2.783 7	.118	.358	.914	5.845	.322	1.26
1966	4	09	.340	.103	.046	.141	.624	9.737	1.971	.507	.495	3.455	9.730	7.341	2.68
1967	4	09	.142	seco	.020	seco	.143	1.804 6	.875 6	.939 6	1.516 6	2.764 6	5.384 6	1.241 6	1.22
1968	4	09	.331 8	.248 8	.222 8	.551 8	1.246	3.137	.594	.447	2.113	4.161	1.269	.332	1.22
1969	2	01	.698	.556	.530	1.754	2.685	7.671	1.581	2.945	2.492	12.84	18.17	6.721	4.81
1970	2	01	2.212	.899	.632	.466	3.534	2.283	3.344	6.706	5.626	10.27	10.05	4.069	4.17
1971	2	01	.608	.129	.162	.552	5.068 8	1.877	.482	.907	3.654	7.217 8	7.745	1.149	2.46
1972	2	01	.389	.262	.267	.486	1.676	1.666	.428	.044	.242 8	1.189 6	.485	.018	0.58
1973	2	01	.001	seco	seco	seco	.032	2.116	1.040 6	3.349 6	4.247 8	17.73 8	6.991	.954	3.04
1974	2	01	.110	.049	.006	seco	.181	.167	.035	.194	1.127	1.507	2.833 6	.332 6	0.55
1975	2	01	.499 6	.330 6	.349 6	.330 6	.748 6	1.497 7	1.369	1.272	4.369	8.545	22.33 8	4.196 7	3.81
1976	2	01	.789	.224	.163	.520 6	.249	.662	.191	.128	1.800 6	2.044	2.295	.143	0.76
1977	2	01	.671	.369	.155	.134	2.798	2.880	.834	.734	1.985	4.545	10.16	1.739	2.25
1978	2	01	.444	.285	.217	4.404	8.352 8	4.329	1.735	1.105	1.626	3.983	3.392	1.186	2.59
1979	2	01	.348	.255	.212	.458	1.770	8.973 6	1.210 6	1.244	6.752	10.72	6.676	1.326	3.33
1980	2	01	.424	.127	.098	.208	1.110	2.421	.475	1.679	1.648	2.933	6.453	.708	1.52
1981	2	01	.316	.139	.174	1.317	30.45 A	16.53 8	2.419	2.161	5.247	18.72 8	7.588	1.532	7.22
1982	2	01	3.883	2.392	2.868 7	2.688	7.656	6.784	2.441	1.998 8	2.455 8	4.492	1.399 8	.268 8	3.09
1983	2	01	.856	.818	.414	.263	2.488	2.678	1.848	1.957	1.997	2.642	2.383	.389	1.41
1984	2	01	seco	seco	seco	seco	.816	3.020	2.055	1.771 7	5.371	5.443	5.583	2.260	2.13
1985	2	01	.352	.204	.115	.143	.620	.984	.287	.735 8	1.893	6.766 8	3.383	.244	1.89
1986	2	01	.355	.238	.200	1.937	6.677	3.753	.352	.200	.627	9.003	1.647	.700	2.11
1987	2	01	.480	.400	.245 7	1.700	14.20 A	3.498	1.500	3.998	2.500	10.50	7.388	1.688	4.68
1988	1	01	.668	.228	.288	.758	1.845	1.713	.487	4.826	8.693 8	69.49 8	7.998	.261	7.97
1989	1	01	.332	.271	.243 3	.745 9	.611 3	.239 8	.314 8	.851	1.845	1.692	.946	2.584	8.98 3
1990	1	01	.295	.150 8	.150 8	.189 8	.837	.685	.248 8	.886 8	1.365 7	4.278	2.395	.981	1.04
1991	1	01	.249	.148 8	.132 8	.020 8	.779 8	.285	.173 8	.134 8	.469 8	1.386	1.848	.428	0.44
1992	1	01	.210 8	.150 8	seco	seco	.090	.730	.280	.388 8	2.108	1.158	.660	.428	0.51
1993	1	01	.230 8	.170 8	.288 8	.288 8	2.880	1.698	.648	.618	1.928	1.818	2.898	.588	1.89
MEDIOS			0.484	0.388	0.271	0.664	3.436	3.467	1.184	1.443	2.592	7.857	5.458	1.479	2.39
MAXIMOS			3.883	2.392	2.868	4.404	30.45	16.53	4.464	6.706	8.693	69.49	22.33	7.341	69.49
MINIMOS			seco	seco	seco	seco	0.016	0.167	0.035	0.044	0.242	0.914	0.485	0.018	seco

H I M A T - INSTITUTO COLOMBIANO DE HIDROLOGIA METEOROLOGIA Y ADECUACION DE TIERRAS

SISTEMA DE INFORMACION HIDROMETEOROLOGICA

VALORES MEDIOS MENSUALES DE CAUDALES (m3/seg)

FECHA DE PROCESO : 941014

ESTACION : 28037A2 CONVENCION NDA

LATITUD 1016 N — TIPO EST LM — DEPTO CESAR — FECHA-INSTALACION 1962-DIC

LONGITUD 7325 W — ENTIDAD 01 HIMAT — MUNICIPIO VALLEDUPAR — FECHA-SUSPENSION

ELEVACION 0184 m.s.n.m. — REGIONAL 03 MAGDALENA — CORRIENTE LOS CLAVOS

AÑO	EST	ENT	ENERO	FEBRE	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOST	SEPTI	OCTUB	NOVIE	DICIE	VR ANUAL
1965	2	01	.500 6	.600 6	.600 6	.600 6	1.600 6	2.400 6	2.400 6	.500 6	1.000 6	1.300 6	4.000 6	1.000 6	1.44
1966	2	01	1.000 6	.500 6	.400 6	.400 6	2.300 6	7.300 6	4.400 6	1.200 6	2.000 6	4.500 6	15.00 6	11.00 6	4.25
1967	2	01	.800 6	.600 6	.500 6	1.000 6	1.400 6	3.900 6	.800 6	1.200 6	2.600 6	4.200 6	3.500 6	1.300 6	1.82
1968	2	01	.700 6	.700 6	.600 6	.600 6	1.700 6	2.600 6	.900 6	.800 6	2.200 6	3.600 6	2.100 6	1.100 6	1.47
1969	2	01	.600 6	.500 6	.500 6	.900 6	2.400 6	8.300 6	1.700 6	3.600 6	5.200 6	9.200 6	11.50 6	3.900 6	4.03
1970	2	01	1.200 6	.600 6	.600 6	.600 6	3.100 6	2.900 6	3.000 6	5.000 6	5.400 6	8.000 6	5.600 6	2.700 6	3.23
1971	2	01	.865	seco	seco	.385 8	4.134	2.191	.812 8	1.493	2.635	3.999 8	8.371 8	1.679	2.15
1972	2	01	.595	.488	.589	1.164	3.836	1.966	.771	1.239	1.818	1.815	.969	.724	1.20
1973	2	01	seco	seco	seco	seco	.285	3.852 8	1.622	1.814	4.639 8	10.63 8	8.826 8	3.138	2.85
1974	2	01	.590	.247	.188	.184	1.986	.718	.374	1.232	1.986	5.199	4.975	1.445	1.59
1975	2	01	2.037	.887	.701	.834	3.734	1.803	1.223	2.882	2.158	4.882	6.894	5.149	2.69
1976	2	01	.800 6	.600 6	.500 6	1.000 6	1.600 6	1.300 6	.600 6	.600 6	1.000 6	4.100 6	4.400 6	1.000 6	1.46
1977	2	01	.600 6	.400 6	.400 6	.500 6	3.200 6	2.900 6	.600 6	1.400 6	2.700 6	4.900 6	9.100 6	1.800 6	2.38
1978	2	01	.289	.184	.148	1.325	5.781	3.959	2.762	2.735	3.837	3.177	5.478	1.695	2.55
1979	2	01	.086	.113	.814	.130	.770	2.599	.446	.845	3.894	16.36	14.77	5.188	3.77
1980	2	01	2.411	2.078	.438	.859	2.568	4.773	1.298	3.183	2.691	4.441	6.864	1.128	2.66
1981	2	01	.244	seco	.394 7	1.437	13.97 8	14.03 8	8.741	8.773	11.05	16.36 8	14.76 8	6.061	7.99
1982	2	01	2.985	1.467	1.289	2.073	8.448	6.908	2.138	.992	2.713	5.201	3.446	.763	3.20
1983	2	01	.583	.407	.357	.625	2.242	3.038	1.825	1.193	1.342	3.815	3.591	.589	1.57
1984	2	01	.178	.125	.088	.184	.295	1.158	1.383	1.286	5.365	9.431	10.44	3.720 6	2.79
1985	2	01	1.020	.361	.695	.297	1.607	.827	.144	1.368	2.887	5.615	3.960	1.044	1.65
1986	2	01	.652	seco	seco	1.185	2.652	2.881	.621	.991	1.332	7.416	1.722	.717	1.58
1987	2	01	.191 8	.170 8	.175 8	.407 8	3.687 8	.626	.294 8	.477 8	1.640	9.832 8	5.750 8	1.892	2.10
1988	1	01	.555	.376	.257	1.149	2.281 8	4.495 8	3.811 8	6.686 8	10.97 8	16.56 8	20.24 8	5.069 8	6.84
1989	1	01	.481	seco	seco	.137	1.445	1.176	1.361	2.072	2.918	3.344	3.337	6.156 8	1.94
1990	1	01	.913	.657	.555 6	1.515 6	3.538	2.515	1.968	1.992	3.958	6.965	5.813	2.885	2.58
1991	1	01	.528	.442	.298	seco	1.884	.818	.468	.518	1.198	3.618 8	3.448 8	.938	1.84
1992	1	01	.378	.238	.858	.188	1.888	1.828	1.488	.558	2.338	3.818 8	2.738	2.568	1.42
1993	1	01	.998	.568	.148	.578	1.938	1.588	2.858 8	1.168	3.818	2.178	3.198	.978	1.68
MEDIOS			0.757	0.458	0.358	0.692	2.889	3.318	1.669	1.978	3.382	6.326	6.656	2.646	2.59
MAXIMOS			2.985	2.078	1.289	2.073	13.97	14.03	8.741	8.773	11.05	16.56	20.24	11.20	20.24
MINIMOS			seco	seco	seco	seco	0.285	0.626	0.144	0.221	1.000	1.380	0.969	0.589	seco

H I M A T - INSTITUTO COLOMBIANO DE HIDROLOGIA METEOROLOGIA Y ADECUACION DE TIERRAS

SISTEMA DE INFORMACION HIDROMETEOROLOGICA

VALORES MEDIOS MENSUALES DE CAUDALES (m3/seg)

FECHA DE PROCESO : 941014

ESTACION : 2803703 PTE SALGUERO

LATITUD 1823 N — TIPO EST — LG — DEPTO CESAR — FECHA-INSTALACION 1962-DIC
LONGITUD 7314 W — ENTIDAD 01 HIMAT — MUNICIPIO VALLEDUPAR — FECHA-SUSPENSION
ELEVACION 0113 m.s.n.m — CORRIENTE CESAR

AÑO	EST	ENT	ENERO	FEBRE	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOST	SEPTI	OCTUB	NOVIE	DICIE	VR ANUAL
1959	2	01	2.548 6	1.378 6	1.848 6	8.850 6	19.11 6	26.19 6	15.06 6	26.77 6	26.16 6	46.52 6	45.51 6	20.95 6	20.01
1960	2	01	3.468 6	3.688 6	6.248 6	11.77 6	35.22 6	42.18 6	23.49 6	51.22 6	45.86 6	48.91 6	39.79 6	62.97 6	31.23
1961	2	01	5.318 6	3.128 6	2.358 6	18.85 6	25.42 6	37.79 6	37.62 6	22.93 6	53.49 6	69.27 6	103.8 6	41.32 6	34.44
1962	2	01	4.187 6	2.271 6	2.458 6	13.62 6	58.47 6	49.41 6	32.87 6	41.87 6	37.39 6	62.35 6	43.51 6	19.98 6	29.97
1963	4	09	6.988	2.588 6	2.278 6	33.55 6	64.44 6	47.76	26.53 6	23.29 6	52.69 6	71.66 6	69.75 6	34.37 6	36.31
1964	2	01	3.678 6	4.838 6	2.178 6	7.878 6	42.18 6	66.56 6	43.91 6	34.55 6	41.96 6	42.67 6	24.85 6	26.19 6	28.32
1965	4	09	3.138 6	3.181	.528	.548	25.16	28.32	2.816	10.01	30.83	37.44	52.65	22.19	17.39
1966	4	09	4.317	1.436	.348	5.889	43.14 8	91.93	51.08	22.38	42.69	81.27	182.5	116.1 6	46.91
1967	4	09	42.57 6	14.37	5.874	7.564	11.79	17.89	10.73	7.188 6	12.78 6	24.95 6	58.91 6	16.23 6	18.58
1968	2	01	2.278 6	1.598 6	1.868 6	6.388 6	48.75 6	21.28 6	5.838 6	12.32 6	45.68 6	74.10	45.98	11.58	23.88
1969	2	01	4.268	2.125	2.177	38.68	55.96	92.57	33.14	57.44	68.52	189.3	214.7	71.56	69.14
1970	2	01	55.64 6	14.68 6	9.377	6.743	39.37	38.91	36.81	55.71	74.78	86.79	113.8	103.7	53.88
1971	2	01	29.43 6	18.66 6	6.218	8.327	71.32	16.42	6.484	16.81	37.13	83.25	68.87	12.29	30.47
1972	2	01	8.888	4.933 6	4.921 6	32.83 6	72.89	61.76 1	12.97	25.51	38.98	48.98 1	14.74	5.788	26.28
1973	2	01	2.168	1.888 6	1.313 6	5.956 6	1.984	14.85	6.777	38.58	96.81 1	111.8	114.7	24.11	34.14
1974	2	01	8.548	3.358	2.294	2.567	73.38	21.29	6.145	18.62	58.95	66.85	144.8	27.24	35.45
1975	2	01	9.788	4.836	2.813	.997	16.69	11.88	19.77	16.54	41.85	84.27	123.6	54.39	32.15
1976	2	01	17.86	6.538	3.545 1	18.21 1	16.39 1	25.58 1	6.716 1	8.481 1	13.21 1	85.18	46.57	4.988 1	20.62
1977	2	01	1.745	.946	.723	1.893	37.16	41.48 1	3.135	4.671	11.52	43.81 1	88.23	9.877	19.63
1978	2	01	2.323	2.864	5.161	69.56	46.81	26.94	13.88	15.41	28.86	48.17	48.81 1	18.46	25.86
1979	2	01	4.281	2.529	1.883	11.88	52.77 1	88.19 1	21.26 1	18.98	91.76 1	131.6 8	133.1 8	35.66 1	48.75
1980	2	01	16.16	18.85	6.877	8.947	31.31 1	27.73	12.82	27.48 1	21.25 1	57.19	38.25 1	18.88 1	22.51
1981	2	01	7.268	4.975	6.775 6	47.12 7	232.8 8	142.8 1	48.81 1	43.48 1	69.71	125.8 6	118.8 1	27.45 7	71.58
1982	2	04	4.888 6	3.188 6	2.858 6	28.46 6	285.8 6	166.9 6	38.38 6	26.23 6	21.89 6	78.88 6	16.38 6	8.795	48.66
1983	2	01	5.288	1.221	3.729	26.58	58.13	41.26 1	28.18 1	28.81 1	22.71 1	62.23 1	38.11 1	6.227 1	24.84
1984	2	01	2.169 6	2.297	1.368	2.198	5.232	6.873 1	9.474 1	14.15 1	65.46 1	75.51 1	113.6 1	14.26 1	26.85
1985	2	01	5.226	2.732	2.826	3.967 1	26.43 1	31.38 1	4.545	9.829	28.29 1	94.81 1	72.15 1	38.73 1	25.94
1986	2	01	6.888 1	6.768 1	6.748 1	24.96 1	79.58 8	78.52 1	9.271 1	18.18 1	42.11	117.8 8	34.72 1	9.555 1	35.58
1987	2	01	5.332	3.382	3.558	28.47 1	181.7 7	61.87 1	23.84 6	26.85 1	24.25 1	147.1 8	188.6 8	46.47 1	47.72
1988	1	01	13.22 1	5.855	4.219	14.69	38.47 1	52.88 1	27.75	88.64 1	157.1 8	181.1 8	152.3 8	39.53	64.51
1989	1	01	15.38	8.898 7	9.226	5.237	32.77	22.18	18.98	21.47	54.43	41.12	32.24	61.12 8	26.25
1990	1	01	6.123	3.861	2.448	13.51	55.53 6	27.99 6	14.97	29.88 1	38.13 1	145.2 8	113.3 8	39.72 1	48.82
1991	1	01	18.18 1	6.488 1	5.988 1	5.528 7	16.73 7	18.48 1	5.882 1	18.18	26.78 8	41.18 8	29.28 8	7.288 1	14.76
1992	1	01	4.688 1	4.888 7	2.888	4.188	28.48 8	28.28 1	13.78 8	13.88 1	48.18 8	34.58	19.88 1	18.28 1	16.22
1993	1	01	4.788	3.388	2.388	9.888	79.98 1	32.78 1	11.18 1	28.48 1	37.78 1	28.98 1	48.18 1	16.78	23.38
MEDIOS			9.388	4.511	3.548	14.33	52.45	44.91	18.57	25.44	44.88	78.18	74.85	38.56	33.39
MAXIMOS			55.64	14.68	9.377	69.56	232.8	166.8	51.88	88.64	157.1	188.3	214.7	116.1	232.88
MINIMOS			1.745	0.946	0.348	0.548	1.984	6.873	2.816	4.671	11.52	28.98	14.74	4.988	0.35

H I M A T - INSTITUTO COLOMBIANO DE HIDROLOGIA METEOROLOGIA Y ADECUACION DE TIERRAS

SISTEMA DE INFORMACION HIDROMETEOROLOGICA

VALORES MEDIOS MENSUALES DE CAUDALES (m3/seg)

FECHA DE PROCESO : 941014

ESTACION : 2003704 MARIANGOLA

LATITUD 1011 N — TIPO EST LG — DEPTO CESAR — FECHA-INSTALACION 1963-ENE
LONGITUD 7335 W — ENTIDAD 01 HIMAT — MUNICIPIO VALLEDUPAR — FECHA-SUSPENSION
ELEVACION 0090 m.s.n.m — REGIONAL 06 MAGDALENA — CORRIENTE MARIANGOLA

AÑO	EST	ENT	ENERO	FEBRE	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOST	SEPTI	OCTUB	NOVIE	DICIE	VR ANUAL
1962	4		1.353	1.333	.814	2.787	10.53	10.67	4.301	2.496	4.767	9.233	4.621	.835	4.48
1964	4		.335	.884	.196	.110	1.670	5.456	3.825	2.364	3.341	3.335	1.680	.700	1.92
1965	2	01	.100 6	.200 6	.230 6	.200 6	.800 6	2.080 6	2.040 6	.120 6	.300 6	.700 6	4.230 6	.200 6	0.94
1966	4		.604	.101	.832	.823	1.471	7.165	4.122	.773	2.171	3.946	14.64	28.89	4.66
1967	4		.449	.197	.897	.556	.464	3.748	.458	.882	1.962	3.556 7	2.879	.712	1.32
1968	2	01	.300 6	.260 6	.230 6	.220 6	.940 6	2.290 6	.470 6	.360 6	1.560 6	3.820 6	1.512	.438	0.97
1969	4		.201	.149	.141	.585	1.658	8.906	1.280	3.244	4.633	8.664	11.03	3.338	3.65
1970	2	01	.758	.241	.171	.155	2.430	2.613	2.566	4.702	4.761	7.537	4.965	2.888	2.75
1971	2	01	.614	.385	.166	.453	2.755	1.779	.321	1.010	3.789	3.124	5.188	.695	1.68
1972	2	01	.216	.188 6	.188 6	.219	2.049	1.565	.417	.386	.381 1	1.351 1	.618 1	.695 1	0.63
1973	2	01	.040	.003	.039	.819	.096	.782	1.183 1	1.773	5.139	7.717	2.466	.562	1.65
1974	2	01	.174	.082	.048	.052	.986	.518	.291	.452	3.818	9.275 8	5.184	.700	1.73
1975	2	01	.207	.127	.084	.027	.602	1.183	.795	.651	5.468	5.979 8	8.486 8	1.302 1	2.06
1976	2	01	.423 1	.176 1	.069 1	.576 1	.675 1	.855 1	.162 1	.196 1	.347 1	3.524 1	3.778 1	.893 1	0.92
1977	2	01	.175 1	.037	.003	.007	2.509	2.570	.247	1.032 1	2.196 1	4.266	8.582 1	1.182	1.98
1978	2	01	.493	.293 1	.448 1	4.375 1	7.228 1	4.311 1	1.440 1	1.058 1	1.607 1	4.299	5.994	1.216	2.73
1979	2	01	.585	.169	.166	.496	1.313 1	5.792 1	1.272	1.725	4.365	8.396	6.816 1	1.297 1	2.63
1980	2	01	.564	.212	.196	.186 1	.617 1	1.387 1	.367 1	1.789 1	2.141 1	4.191 1	3.515	.976	1.35
1981	2	01	.332	.356	.509	1.018	10.33 8	10.91 8	2.198	2.231	5.100	5.998	6.199	1.559	3.98
1982	2	01	1.074	.673	.178	.955	11.17 8	7.487	1.618	1.271	2.531 8	3.268 6	1.371	.541	2.68
1983	2	01	.401	.257	.434	1.256	1.563	3.998	1.667	1.889	4.133	4.113 8	4.747 8	1.153	2.10
1984	2	01	.171	.892	.253	.535	.278	1.387	2.766	2.197	7.721	11.36	8.368 8	1.738 6	3.03
1985	2	01	.740 6	.506 6	.452 6	.131 8	1.813	.454	.221	2.147	4.269 1	9.228 1	3.582 1	1.367 1	2.07
1986	2	01	.343 1	.218 8	.154 6	.783	1.939	2.645 1	.261	.173	.277	3.257	.719 1	.211	0.92
1987	2	01	.160	.120	.140	.940 8	3.164 8	.980 1	.420 1	.670 1	4.310 8	11.94 8	3.220 8	1.370	2.20
1988	1	01	.322 1	.158 1	.184 8	.767 8	1.843 8	4.247 8	3.467 8	7.252 8	7.425 8	10.86 8	10.93 8	1.326 1	4.02
1989	1	01	.582 1	.295 1	.388	.506 6	1.799 8	1.177 8	2.228 8	2.848 8	3.700 6	2.382 8	2.172 8	1.561 8	1.64
1990	1	01	.260 1	.160 1	.140 1	1.870 8	4.650 8	2.833 8	.455 8	1.140 8	1.870 8	8.720 8	4.380 8	1.880 8	2.30
1991	1	01	.770 1	.600 1	.410	.060	.439 7	2.970 8	.110	.150	.220	2.140 8	.660	.210 1	0.73
1992	1	01	.140 1	.090 1	.050 1	.110	.250 1	1.190 8	.770 8	.630 8	1.380 8	2.570 8	2.390 8	.950 1	0.88
1993	1	01	.120 1	.070 1	.070 1	.220 1	2.930 8	1.010 8	.740 8	.240 1	1.670 8	.346 7	.470	.330	0.69
MEDIOS			0.417	0.256	0.215	0.652	2.586	3.332	1.374	1.516	3.112	5.493	4.659	1.671	2.11
MAXIMOS			1.353	1.333	0.814	4.375	11.17	10.91	4.301	7.252	7.721	11.94	14.64	28.89	28.89
MINIMOS			0.040	0.003	0.003	0.019	0.096	0.454	0.110	0.120	0.220	0.346	0.470	0.095	0.00

H I M A T - INSTITUTO COLOMBIANO DE HIDROLOGIA METEOROLOGIA Y ADECUACION DE TIERRAS

SISTEMA DE INFORMACION HIDROMETEOROLOGICA

VALORES MEDIOS MENSUALES DE CAUDALES (m3/seg)

FECHA DE PROCESO : 941014 ESTACION : PAR2705 CONTADERO

LATITUD	1005 N	TIPO EST	LG	DEPTO	CESAR	FECHA-INSTALACION	1963-MAR
LONGITUD	7344 W	ENTIDAD	01 HIMAT	MUNICIPIO	VALLEDUPAR	FECHA-SUSPENSION	
ELEVACION	0120 m.s.n.m	REGIONAL	08 MAGDALENA	CORRIENTE	GARUPAL		

AÑO	EST	ENE	ENERO	FEBRE	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOST	SEPTI	OCTUB	NOVIE	DICIE	MEDIA ANUAL
1963	4	09	.667 6	.238 6	seco	1.074 7	3.622 7	.771	.582	.795	1.735	1.742	4.348 6	1.674 6	1.44
1964	4	09	.495 6	.155 6	seco	.512 6	1.182	4.341	4.954	9.556	3.568	4.828	.998	.242	2.56
1965	4	09	.177	.174	.292 7	.868 6	1.314 6	.619 6	.307 6	.571 6	1.521 6	1.786 6	3.786 6	1.938 6	1.04
1966	4	09	.788 6	.182 6	seco	.827	.238	5.200	1.077	8.659	16.97	4.848	12.84	7.398	4.71
1967	4	09	.837	seco	.848	.381	3.985	1.485	2.798	8.336	2.685 6	2.338 6	2.135 6	.655 6	2.85
1968	2	01	.288 6	.488 6	seco	.693 6	2.861 6	3.422 6	.344 6	.593 6	.696 6	2.338 6	2.135 6	.655 6	1.20
1969	2	01	.695	.582	.582	1.648	3.945	3.621	.827	4.186	2.873	5.956	5.433	2.468	2.65
1970	2	01	.551	.828	.383	.237	1.198	.654	1.164	.847	1.584	2.188	3.173	1.735	1.15
1971	2	01	.626	.266	.321	.688	1.716	2.447	.615	.587	4.881	2.282	4.843	1.188 6	1.55
1972	2	01	.515	.871	1.322	1.253	1.468	1.159	.388	.283	.294	1.624	1.717	.352	0.94
1973	2	01	.145 1	.121	.388	.129	.338	1.237	2.682 8	2.788 1	2.293	3.376	1.314 1	.922 1	1.38
1974	2	01	.391 1	.143	.122	.126	2.322 8	.587 1	.191 1	.465 1	3.871 8	4.528 8	6.598 8	1.345	1.72
1975	2	01	.351	.189	.165	.231	1.472 8	1.433 8	1.478	.838 1	3.679 8	7.639 8	6.565 8	2.615 1	2.22
1976	2	01	.647 1	.402 1	.242 1	.998 1	1.318 1	.643 1	.263 1	.374	.453 1	1.738 1	2.131 1	.465	0.81
1977	2	01	.401	.325	.241	.326	2.138	.496 1	.488	1.645	2.116	3.849	3.978	1.151 6	1.43
1978	2	01	seco	.168	.526 1	3.126 1	4.797 8	2.891 7	.822	1.136	2.678	2.196 1	3.513 8	1.288 1	1.85
1979	2	01	.619 1	.437 1	.444	.886	1.289	3.357 1	4.413	1.899	5.382	2.923 1	6.268	.939 1	2.48
1980	2	01	.531 1	.464 1	.373 1	.412 1	.956 1	1.527 1	.581 1	1.639	.926	2.795 1	3.387 1	1.884 1	1.28
1981	2	01	.673 1	.936 1	.844 1	3.989 8	8.578 8	5.695 8	2.345 1	1.378 1	4.499 8	4.753 8	3.891 1	2.358 8	3.26
1982	2	01	1.476 6	1.988 6	.583 6	2.298 6	4.267 6	4.615 6	.663 8	.567	.953	2.875	.928	.495	1.88
1983	2	01	.485	.341	.389	2.591 8	5.628 8	3.242 8	.949 8	.579 1	1.463	3.865 8	1.666 1	.511 1	1.74
1984	2	01	.752 1	.497	.523	.688	1.855 1	1.628 1	3.842 8	2.477 1	4.823 8	17.87 8	3.368	1.158	3.09
1985	2	01	.665	.478	.426	.655	1.191	.665	.533	1.916	1.714	8.986	4.836	3.884	2.02
1986	2	01	.628	.711	.219	1.458	2.854	2.969	.482	.568	.331	2.835	.585	.487 8	1.16
1987	2	01	seco	.736	.546 8	.783	3.725	1.888	1.331	.882	.942 7	8.188	1.848	.996	1.69
1988	1	01	.373	.338	.388	.963	.421 8	4.848	2.741	4.255	2.981	6.518	3.695	1.831	2.46
1989	1	01	.888 6	.788 6	.518	.355	.461	.558	.631	.965	1.847	1.191	1.884	2.275	0.98
1990	1	01	.378	.328	.318	1.388	3.378	.458	.478	.948	.718	2.988	2.388	1.648	1.28
1991	1	01	.498	.338	.338	.378	.938	.558	.418	.298	.528	1.788	.788	.268	0.58
1992	1	01	.318	.288	.158 8	1.358 8	.638	.668	1.218	.938	1.688	4.718 1	.898 1	1.278	1.17
1993	1	01	.358	.328	.288	1.198 8	3.978 1	.588 1	.408 8	.688 6	3.648	1.888	1.538	.958	1.24
MEDIOS			0.494	0.481	0.346	0.984	2.348	2.821	1.277	2.882	2.615	4.816	3.281	1.427	1.76
MAXIMOS			1.476	1.988	1.322	3.989	8.578	5.695	4.954	9.556	16.97	17.87	12.84	7.398	17.87
MINIMOS			seco	seco	seco	0.827	0.238	0.458	0.191	0.283	0.294	1.888	0.585	0.242	seco

H I M A T - INSTITUTO COLOMBIANO DE HIDROLOGIA METEOROLOGIA Y ADECUACION DE TIERRAS

SISTEMA DE INFORMACION HIDROMETEOROLOGICA

VALORES MEDIOS MENSUALES DE CAUDALES (m3/seg)

FECHA DE PROCESO : 941014

ESTACION : 2803709 PTE CANOAS

LATITUD 0938 N
LONGITUD 7348 W
ELEVACION 0045 m.s.n.m

TIPO EST LM
ENTIDAD 01 HIMAT
REGIONAL 06 MAGDALENA

DEPTO CESAR
MUNICIPIO EL PASO
CORRIENTE CESAR

FECHA-INSTALACION 1965-ABR
FECHA-SUSPENSION

AÑO	EST	ENT	ENERO	FEBRE	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOST	SEPTI	OCTUB	NOVIE	DICIE	VR ANUAL
1965	2	01	19.20 6	19.20 6	3.800 6	14.20 6	38.90 6	35.00 6	14.00 6	21.70 6	48.20 6	59.60 6	74.70 6	50.10 6	32.55
1966	2	01	28.30 6	17.60 6	3.600 6	17.80 6	42.90 6	100.6 6	75.50 6	37.50 6	63.30 6	103.2 6	124.3 6	153.8 8	63.37
1967	2	01	55.40 6	29.60 6	8.600 6	19.00 6	21.80 6	32.00 6	24.10 6	18.20 6	25.30 6	47.20 6	73.00 6	39.90 6	32.77
1968	2	01	18.50 6	17.80 6	4.300 6	18.20 6	46.70 6	35.90 6	16.80 6	24.70 6	67.10 6	96.10 6	68.20 6	30.30 6	37.95
1969	2	01	20.30 6	18.30 6	5.300 6	39.90 6	51.10 6	101.2 6	52.70 6	82.00 6	96.10 6	210.6 6	235.8 6	141.5 6	87.90
1970	2	01	47.30 6	29.70 6	11.70 6	18.40 6	48.40 6	52.80 6	57.80 6	79.80 6	104.1 6	186.7 6	135.5 6	160.1 8	70.40
1971	2	01	43.30 6	26.20 6	8.800 6	19.50 6	61.90 6	31.40 6	18.70 6	29.40 6	56.20 6	105.1 6	98.10 6	31.80 6	43.53
1972	2	01	5.960 6	3.310 6	3.300 6	26.71 6	61.99 6	52.30 6	27.00 6	41.49 6	28.57	52.81 1	33.74	4.570 6	28.49
1973	2	01	3.304 7	1.400	1.290	5.490	7.868	9.530	26.67	55.57,	113.6 1	118.5 1	116.1 1	65.53	43.67
1974	2	01	22.05	5.271	4.397	2.737	67.45	50.20	16.85	22.87	64.51	115.3	115.7	68.29	46.24
1975	2	01	14.19	5.589	5.516	2.670	22.45	30.73	48.79	37.80	85.52	113.3	132.3 1	103.6	49.54
1976	2	01	37.91	9.938	5.165	18.80	31.20	38.83 1	14.16 6	7.400	15.81 1	54.57 6	98.60	15.96	28.30
1977	2	01	5.352	2.857	1.694	1.997	37.39	77.21 7	13.10	17.21	23.50	66.65	93.49	33.05	31.13
1978	2	01	9.361	5.943	8.745	71.75	101.8	53.24	29.61	36.65 1	38.19 1	69.40 1	125.3 1	43.49	49.46
1979	2	01	4.974	3.100	3.565	21.65	76.34	129.6	64.46	28.50 1	120.5 1	134.8 6	176.9	76.12	70.84
1980	2	01	30.47	21.78	5.548	5.747	32.56	42.52	15.48	43.25	29.46	73.75	81.53	25.73	33.99
1981	2	01	24.71	7.425	12.80	22.87	162.8	157.4	100.1	74.40	121.7	185.1	121.7	58.72	80.47
1982	2	01	26.43	10.85	4.155	41.28	127.8 6	58.70	28.29	19.49	26.22	105.4 8	62.71	5.790	42.37
1983	2	01	3.929	14.77 6	17.28 6,	21.12	93.17	96.68	30.27	42.46	53.90	84.52	120.9 8	16.31	49.61
1984	2	01	14.77 6	4.583	1.918	2.287	12.83 6	27.43	41.88	34.75	104.6	117.1	192.8 8	56.38	50.92
1985	2	01	8.619	3.600	2.348	4.400	36.43	47.97	7.871	25.96	50.35	118.9	138.0	86.57	43.50
1986	2	01	16.69	6.358	21.37 6	48.97 8	66.96	108.8	23.93	11.97	39.86	106.2 6	89.39 6	21.72	46.18
1987	2	01	6.800	3.200	3.100	22.70	96.80	116.6	62.20	58.60	56.60	150.7	156.6	67.50	66.66
1988	1	01	20.86	3.730 6	3.690 6	22.96	58.46	66.76	85.50 6	105.9 7	193.7	157.0	186.8	68.21	83.15
1989	1	01	32.71	15.58	13.93	7.837	43.61	52.96	19.48	36.72	71.31	101.9	98.35	32.94	49.44
1990	1	01	11.48	4.721	1.742 8	10.48 8	89.85	69.64	28.87 6	20.97	47.54	107.5 8	165.5 8	100.9	54.27
1991	1	01	16.80	7.400	5.500	5.727 7	27.31 7	17.80 7	8.800	8.400	16.70	77.30 8	51.80 8	13.10	21.39
1992	1	01	4.400	1.900	3.100 8	19.00	80.30 8	85.30 8	55.40 8	51.50 8	73.80 8	132.9 8	37.40	45.90 8	49.33
1993	1	01	32.50	23.10	14.90	41.10	129.4 8	77.20 8	20.40	20.20	52.60 8	38.30	52.00 8	50.41 8	45.26
MEDIOS			19.95	11.17	6.670	19.51	68.86	63.71	34.53	37.50	65.11	101.4	111.5	60.93	49.34
MAXIMOS			55.40	29.70	21.37	71.75	162.8	157.4	100.1	106.9	193.7	210.6	235.8	160.1	235.80
MINIMOS			3.304	1.400	1.290	1.997	7.868	9.530	7.871	7.400	15.81	38.30	33.74	4.570	1.29

H I M A T - INSTITUTO COLOMBIANO DE HIDROLOGIA METEOROLOGIA Y ADECUACION DE TIERRAS

SISTEMA DE INFORMACION HIDROMETEOROLOGICA

VALORES MEDIOS MENSUALES DE CAUDALES (m3/seg)

FECHA DE PROCESO : 941014

ESTACION : 2603713 PTE CARRETERA

LATITUD 1010 N — TIPO EST LG — DEPTO CESAR — FECHA-INSTALACION 1972-OCT
LONGITUD 7339 W — ENTIDAD 01 HIMAT — MUNICIPIO VALLEDUPAR — FECHA-SUSPENSION
ELEVACION 0040 m.s.n.m — REGIONAL 06 MAGDALENA — CORRIENTE DILUVIO

AÑO	EST	EXT	ENERO	FEBRE	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOST	SEPTI	OCTUB	NOVIE	DICIE	VR ANUAL
1965	2	01	.900 6	1.100 6	1.100 6	1.000 6	2.000 6	4.100 6	3.900 6	.900 6	1.200 6	1.900 6	7.800 6	1.200 6	2.26
1966	2	01	1.700 6	.900 6	.800 6	.700 6	3.100 6	12.10 6	7.200 6	2.000 6	4.200 6	6.900 6	25.10 6	13.80 8	6.54
1967	2	01	1.400 6	1.100 6	.900 6	1.600 6	1.600 6	6.600 6	1.400 6	2.000 6	3.900 6	6.400 6	5.600 6	1.900 6	2.87
1968	2	01	1.147 6	1.987 6	1.943 6	1.928 6	2.309 6	4.312 6	1.600 6	1.436 6	3.224 6	5.480 6	1.788	.698	2.89
1969	2	01	.878	.817	.831	1.147	1.845	3.572	.891	3.962	4.556	14.87 8	16.19	6.526	4.47
1970	2	01	3.615	2.483	2.213	2.144	4.654 6	3.633	3.774	8.115 6	8.846 6	11.88	11.33	5.552	5.61
1971	2	01	1.616	1.322	1.211	1.809	4.318	3.925	.731	1.847	8.429	7.816	9.354	2.145	3.64
1972	2	01	1.100 6	1.100 6	1.100 6	1.000 6	3.900 6	3.300 6	1.400 6	1.200 6	1.400 6	3.000 6	1.000 6	.900 6	1.77
1973	2	01	.705 1	.567 1	.000 6	.312	.264 1	.705 1	2.500 6	3.600 6	8.000 6	12.90 6	5.000 6	1.700 6	3.15
1974	2	01	1.100 6	.900 6	.800 6	.900 6	2.300 6	1.600 6	1.200 6	1.600 6	5.500 6	15.40 6	9.500 6	1.900 6	3.56
1975	2	01	1.205 6	1.086 6	1.022 6	.937 6	1.794 6	3.564 8	2.082 6	1.834 1	11.29 6	15.30 6	14.78 6	4.579	4.90
1976	2	01	1.683	.900 1	.704 1	.996 1	1.224 1	.718 1	.359 1	.775 6	1.822 1	4.998 6	5.312 6	1.333 6	1.69
1977	2	01	.865 1	.796 1	.665 1	.937 1	2.029 1	1.170 1	1.823 1	3.206 1	6.698 8	8.506 1	13.70 8	1.402 6	3.62
1978	2	01	1.631 6	1.333 6	1.564 6	6.936 6	8.029 8	3.966 6	3.842 6	3.468 6	4.804 6	14.73 6	8.771 1	2.837 1	5.03
1979	2	01	.754 6	.930 1	.794 1	.928 1	1.166 1	8.004 1	4.436 1	4.184 1	10.57 1	15.61 1	14.55 1	4.888 1	5.58
1980	2	01	.639 1	.523 1	.443 1	.306 1	1.617 1	1.398 1	.339 1	2.282 1	2.292 1	7.490 8	5.927 6	1.915 1	2.12
1981	2	01	1.288 1	1.222 1	1.168 1	2.453 1	14.11 8	17.54 8	4.386 1	4.928 1	8.260 8	16.29 8	15.01 8	6.598 6	7.78
1982	2	01	2.498 6	1.900 6	1.150 6	2.320 6	17.55 6	12.86 6	2.814 6	1.054	7.386	19.87 8	3.898	2.878 1	6.21
1983	2	01	1.717 1	.912 1	.944 1	3.385 1	3.533 1	6.150	1.871	1.445 1	6.752 8	8.217 8	6.854 8	1.857 1	3.50
1984	2	01	2.172 6	1.001	.538	1.022 7	.951 1	2.115 8	5.914 8	3.282 1	9.510 8	14.31 8	16.65 8	1.783 1	4.94
1985	2	01	2.000 6	1.650 6	1.570 6	1.863 6	3.600 6	1.573 6	1.226 6	5.638 6	6.238 1	17.89 1	8.753 1	4.419 1	4.64
1986	2	01	.884 8	1.100 6	.535 8	2.141 1	2.934 1	5.841 1	.309 8	.151 8	1.200 6	3.729 8	.597 8	1.100 6	1.78
1987	2	01	1.100 6	.900 6	.900 6	2.100 6	14.50 8	3.900 1	1.200 6	2.059 6	4.830 8	24.79 8	5.310 8	2.540 1	5.22
1988	1	01	.677 1	.549 1	.695 1	1.138 6	.765 6	4.271 8	7.588 8	13.30 8	10.78 8	19.13 8	13.43 8	2.519 1	6.83
1989	1	01	1.182 1	1.001 1	1.102	1.140	2.027	1.417 1	3.183 8	4.170 6	6.040 1	4.917 8	3.693 1	2.831 8	2.79
1990	1	01	.990 1	.588 1	.538 1	2.618 8	5.340 1	1.910 1	.988 1	1.640 8	2.880	8.990 8	6.670 1	2.310	2.95
1991	1	01	1.070 1	.940 1	1.500 1	1.100 6	1.100 3	1.800 8	.610 1	.500 1	.780 1	5.150 8	3.000	.610	1.43 3
1992	1	01	.610	.498	.498	.358	1.038 1	1.950 8	1.120 8	1.540	2.698	7.110 8	6.480 8	3.530 8	2.32
1993	1	01	.639 1	.598 1	.598 1	1.150 1	6.800 8	1.210 1	.860 1	.650 1	1.920 8	1.270 1	1.910 1	1.800 1	1.62
MEDIOS			1.281	0.999	0.925	1.557	4.017	4.259	2.315	2.820	5.349	10.48	8.533	2.981	3.79
MAXIMOS			3.615	2.483	2.213	6.936	17.55	17.54	7.588	13.30	11.29	24.79	25.10	13.80	25.10
MINIMOS			0.878	0.817	0.831	0.308	0.264	0.705	0.309	0.151	0.780	1.270	0.597	0.610	0.02

H I M A T - INSTITUTO COLOMBIANO DE HIDROLOGIA METEOROLOGIA Y ADECUACION DE TIERRAS

SISTEMA DE INFORMACION HIDROMETEOROLOGICA

VALORES MEDIOS MENSUALES DE CAUDALES (m3/seg)

FECHA DE PROCESO : 941014 ESTACION : 2804702 PUEBLO BELLO

LATITUD	1024 N	TIPO EST	LG		DEPTO	CESAR		FECHA-INSTALACION	1963-ENE			
LONGITUD	7345 W	ENTIDAD	01	HIMAT	MUNICIPIO	VALLEDUPAR		FECHA-SUSPENSION				
ELEVACION	1125 m.s.n.m	REGIONAL	08	MAGDALENA	CORRIENTE	ARIGUANI						

AÑO	EST	EXT	ENERO	FEBRE	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOST	SEPTI	OCTUB	NOVIE	DICIE	VR ANUAL
1959	2	01	.372 6	.224 6	.221 6	.541 6	1.133 6	1.034 6	.794 6	1.276 6	1.545 6	2.443 6	1.971 6	1.239 6	1.07
1960	2	01	1.882 6	.783 6	.747 6	1.000 6	1.388 6	1.585 6	1.418 6	2.823 6	1.672 6	2.285 6	1.639 6	1.995 6	1.45
1961	2	01	.733 6	.395 6	.434 6	.947 6	1.365 6	1.800 6	1.492 6	1.552 6	1.505 6	1.785 6	2.578 6	1.331 6	1.33
1962	2	01	.928 6	.688 6	.535 6	.774 6	1.548 6	1.580 6	1.309 6	1.760 6	1.668 6	2.395 6	1.768 6	1.239 6	1.34
1963	4	09	1.019	.845	.745	1.619	2.426	6.045	3.853	1.815	3.207	6.140	2.451	1.363	2.63
1964	4	09	1.178	1.100	1.143	1.208	1.205	1.686	.900	1.338	1.439	1.144	1.119	1.049	1.21
1965	4	09	.953	.531	.298	.334	.521	.360	.370	.729	.770	.579	.737	.360	0.55
1966	4	09	.288	.234	.189	.217	.435	1.177	.938	.700	3.869	7.347	17.35	17.25	4.10
1967	4	09	1.033	.691	.448	.364	.499	1.158	.735	.497	.851	1.427	1.392	1.578	0.89
1968	2	01	.777 6	.836 6	.597 6	.964 6	1.943 6	2.200 6	.887 6	.919 6	1.828 6	1.787 6	.626	.498	1.14
1969	2	01	.398	.317	.304	1.237	1.033	1.916	.785	2.474	2.562	3.389	3.657	2.913	1.75
1970	2	01	2.214	1.238	.881	1.186	1.550	2.212	2.478	2.823	2.736	2.952	2.596	2.122	2.08
1971	2	01	1.278	1.038	.785	.961	1.469	1.221	.870	1.230	1.623	1.487	1.464	.756	1.18
1972	2	01	1.002	.772	.717	.912	.925	.886	.838 6	1.307	.819	2.399	1.846	.555	1.01
1973	2	01	.448	.335	.297	.346	.283	.587	.824	2.866	6.869	2.668	.338	1.270	1.36
1974	2	01	.559	.478	.447	.548	1.843	.723	.618	2.598	1.558	4.886	6.183	.485	1.65
1975	2	01	.727	.638	.523	.468	1.985	1.838	1.158	2.236	2.195	6.145	4.141	1.836	2.19
1976	2	01	1.156	.716	.571	.659	.866	.762	.462	1.885 8	1.036 8	1.469 8	.837	.572 8	0.84
1977	2	01	.350 8	.219 8	.223 8	.326 8	1.265 8	1.558	1.049	.831	1.337 8	2.111 8	2.085 8	1.854	1.03
1978	2	01	1.838 1	.945	.776	1.921	2.627	1.772	1.267	1.738	1.715 8	1.554 1	1.519 1	1.861 1	1.49
1979	2	01	.767 1	.659 1	.612 1	.908	.725 1	.949 1	.744	.691 1	1.865	1.126	2.182	1.185	0.94
1980	2	01	1.224	1.244	.594	.789	1.339 8	1.199 8	1.158 8	1.593 8	1.294 8	1.376	1.451 8	1.153	1.09
1981	2	01	1.140	1.157	1.263	1.142	1.633	2.339 6	2.191 6	2.287 6	2.382 6	2.379 6	2.514 6	1.960 6	1.98
1982	2	01	1.325 6	1.474 6	1.881 6	1.585 6	1.282 6	2.481 6	1.628 6	1.217 6	1.380 6	2.381 6	1.398 7	1.861	1.51
1983	2	01	.955	.877	.978	.855	2.085 8	1.848 6	1.242 6	1.381 7	1.685 6	3.742 8	2.236 8	1.408 1	1.55
1984	2	01	1.267 1	1.284 1	1.059 1	1.244 8	1.115 1	1.393 8	1.328 8	1.542 8	2.157 8	2.219 8	2.064 8	1.634 1	1.52
1985	2	01	1.181 1	.726 1	.566 1	.566 1	.697 1	.759	.508	.759	1.061	1.601	1.551 1	.985 1	0.92
1986	2	01	.774 1	.722	.562	.579 1	1.833 1	1.397	.699	.578	.833	2.163	1.188 1	.746 1	0.94
1987	2	01	.630	.520	.600 1	.650	.548	.638	.750	.970	1.998	4.748	2.270	1.878	1.25
1988	1	01	.768	.726	.712	1.831	1.121	1.499 1	1.861 1	2.552 1	2.562	2.432	3.877	2.288	1.71
1989	1	01	3.582	2.883	1.714	1.798	1.523	1.225 1	.658 1	4.127 8	2.147	1.981	1.548	1.388	2.05
1990	1	01	1.152 1	.994 1	.886	1.868 1	1.434 1	1.468 1	1.296 1	2.298 8	5.717 8	2.157	2.274	1.998	1.89
1991	1	01	.877	.751	.753	.987	.834 3	.878 1	.686 1	.686	1.536	1.160 8	1.838 8	.524 1	0.83 3
1992	1	01	.498 1	.588 1	.478 1	.558 1	.758 8	2.388 8	1.188	2.928 8	5.868 8	2.538 8	1.518 8	1.188 8	1.68
1993	1	01	.938	.988	.818	1.848	1.358 8	.958 8	2.898 8	2.178 8	1.888 8	2.868 8	1.488 8	2.886 6	1.53
MEDIOS			0.985	0.813	0.668	0.895	1.227	1.485	1.182	1.512	2.898	2.518	2.369	1.739	1.48
MAXIMOS			3.582	2.883	1.714	1.921	2.627	6.045	3.853	4.127	6.862	8.145	17.35	17.25	17.35
MINIMOS			0.288	0.219	0.189	0.217	0.283	0.360	0.370	0.491	0.770	0.579	0.338	0.360	0.19

H I M A T - INSTITUTO COLOMBIANO DE HIDROLOGIA METEOROLOGIA Y ADECUACION DE TIERRAS

SISTEMA DE INFORMACION HIDROMETEOROLOGICA

VALORES MEDIOS MENSUALES DE CAUDALES (m3/seg)

FECHA DE PROCESO : 941014

ESTACION : 2RA4704 PTE CARRETERA

LATITUD 1016 N — TIPO EST LG — DEPTO CESAR — FECHA-INSTALACION 1963-FEB
LONGITUD 7358 W — ENTIDAD 01 HIMAT — MUNICIPIO EL COPEY — FECHA-SUSPENSION
ELEVACION 0151 m.s.n.m — REGIONAL 08 MAGDALENA — CORRIENTE ARIGUANICITO

AÑO	EST	ENT	ENERO	FEBRE	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOST	SEPTI	OCTUB	NOVIE	DICIE	VR ANUAL
1959	2	01	.535 6	.233 6	.227 6	.878 6	2.083 6	1.883 6	1.393 6	2.376 6	2.924 6	4.752 6	3.791 6	2.999 6	2.01
1960	2	01	1.980 6	1.371 6	1.298 6	1.813 6	2.683 6	2.842 6	2.649 6	3.896 6	3.181 6	4.268 6	3.115 6	3.839 6	2.74
1961	2	01	1.269 6	.581 6	.668 6	1.785 6	2.556 6	3.436 6	2.816 6	2.937 6	2.842 6	3.412 6	5.027 6	2.488 6	2.48
1962	2	01	1.665 6	1.178 6	.867 6	1.352 6	2.913 6	2.827 6	2.442 6	3.362 6	3.157 6	4.655 6	3.377 6	2.299 6	2.51
1963	4	09	1.872 6	1.586 6	1.281	2.101	4.058	3.897	3.282	3.057	3.736	3.807	5.837	2.406	3.00
1964	4	09	1.959	1.610	1.318	1.755	2.885	3.476	2.922	3.901	3.469	3.499	2.415	1.576	2.58
1965	4	09	.375	.309	.399	.493	1.510	1.033	.538	1.127	1.567	3.842	1.921	.928	1.10
1966	4	09	.419	.247	.238	.231	1.268	6.036	2.142	1.422	2.685	6.537	3.249	3.386	2.32
1967	4	09	2.715	1.694	2.040	2.107	2.669	3.829	3.560	3.838	3.964	3.891 6	6.596 6	2.955 6	3.32
1968	2	01	1.358 6	1.911 6	3.882	3.588	7.023 8	6.325	1.770 8	2.282	4.627 8	5.757	3.700	1.720	3.66
1969	2	01	1.411 8	.885 8	.904 8	2.672 8	1.915 8	2.182 8	.984 8	2.816 8	3.472	6.373 8	6.158 6	3.965 6	2.81
1970	2	01	3.143 6	1.491 8	1.273	3.345 8	3.359	2.759	3.727	6.322 6	12.47 8	6.536	7.106	4.350 8	4.56
1971	2	01	2.314	1.676	2.420	2.214	4.695	3.828	4.079	6.481	9.117 8	9.555 8	6.413 8	1.149	4.69
1972	2	01	.878	.488 8	1.892	2.729	3.557 8	1.931	.896	1.610	4.894 8	4.742	4.655	1.583	2.36
1973	2	01	1.328	.925	.753	.926	1.269	2.531	2.605	5.260	4.789	3.940	3.735	1.887	2.58
1974	2	01	1.061	.809	.689	.767	4.115	1.638	1.341	2.644 8	7.138 8	6.185	6.226	2.612	2.94
1975	2	01	1.358	.956	1.089	.387	1.096	1.660 1	1.775 1	1.630 1	4.524 8	5.591 8	9.884 8	4.614 8	2.88
1976	2	01	1.870 1	1.088 1	.789 1	1.323 1	2.211	2.285 1	.876 1	.765 1	1.307 1	1.865	3.862	.591	1.58
1977	2	01	.447 1	.370 1	.369 1	.722 1	1.944 1	1.310 1	.545 1	.866 1	.556 1	1.740 1	2.955 1	.680 1	0.96
1978	2	01	.424	.286 1	.489	1.313 1	2.588 1	2.279	1.722 7	4.143	5.672	4.510 1	8.274 1	3.861	2.58
1979	2	01	1.080	.646	.542 1	1.033 1	1.756 1	3.450 1	2.639	2.025	4.721	5.834	9.190	2.212	2.96
1980	2	01	1.460	.998	.747	.715	2.161 1	1.479 1	1.382 1	1.754 1	1.926 1	4.232 1	5.636 1	1.859 1	2.03
1981	2	01	1.036 1	.852 1	.929 1	3.422 8	9.002 1	6.553 8	4.732 8	2.861 1	3.888 8	4.763 8	4.575 8	2.658 1	3.81
1982	2	01	1.450 1	1.255	1.279	1.000	4.911	8.220	3.421 7	1.997	2.282 6	6.569 6	2.369 6	1.480 6	3.01
1983	2	01	.741 6	.584 6	.765 6	2.767 6	4.938 6	3.834 1	2.765 1	2.781 1	3.446 1	4.445 8	4.282 1	1.390 8	2.65
1984	2	01	.670	.969 1	.696 1	.969 1	1.174 1	1.787 1	2.419 1	2.819 1	3.945 1	5.897 8	4.123 1	.999 1	2.06
1985	2	01	1.000 6	.663 6	.700 6	2.149 1	1.591 1	1.258 1	1.503 1	4.187 1	1.577 1	4.865 1	7.367 1	4.899 1	2.57
1986	2	01	1.338 1	1.553 1	2.017 1	2.600 6	3.100 6	3.400 6	1.800 6	1.600 6	2.327 6	7.311 1	5.775 1	3.310 1	3.01
1987	2	01	1.200 6	.354 8	.393 8	2.100 6	2.746 6	3.443	2.893	4.346	8.190	11.09 8	11.04 8	2.235	4.17
1988	1	01	.791	.574	.529	1.497	1.884	1.688	1.228	4.475	5.044 8	8.635 8	3.915 8	1.778 1	2.67
1989	1	01	1.833	1.229	1.447	.984	1.945	1.886 1	2.374 1	3.403 1	3.342 1	3.253 1	3.326 1	2.454 1	2.29
1990	1	01	1.817 1	.770 1	.705 1	1.197	3.855 8	1.179	.728	.958 1	1.562 1	2.704 8	2.383 1	1.459	1.54
1991	1	01	2.050 1	1.843 1	1.942 1	2.238	2.629 8	2.187 8	2.371 8	2.819 1	2.357 1	3.806 1	2.658 1	1.964 1	2.27
1992	1	01	1.330	1.140	1.000	1.200	1.370 1	1.590 1	1.900	5.270 8	2.557 6	3.030 8	2.500 8	1.500 1	2.03
1993	1	01	1.310 1	.634	.521	1.365 8	4.600 6	3.100 6	2.600 6	3.300 6	3.300 6	2.263	2.085	2.226	2.29
MEDIOS			1.334	0.973	1.029	1.644	2.922	2.918	2.190	2.907	3.875	4.910	4.811	2.302	2.66
MAXIMOS			3.143	1.911	3.882	3.588	9.002	6.220	4.732	6.481	12.47	11.09	11.04	4.614	12.47
MINIMOS			0.375	0.233	0.227	0.231	1.844	1.033	0.538	0.765	0.556	1.740	1.921	0.591	0.23

I D E A M - INSTITUTO COLOMBIANO DE HIDROLOGIA METEOROLOGIA Y ADECUACION DE TIERRAS

SISTEMA DE INFORMACION HIDROMETEOROLOGICO

VALORES MEDIOS MENSUALES DE CAUDALES (m3/seg)

ESTACION : 2502708 GRACIAS A DIOS HDA

FECHA DE PROCESO : 941014

LATITUD	0912 N	TIPO EST	LG	DEPTO	CESAR
LONGITUD	7335 W	ENTIDAD	01 HIMAT	MUNICIPIO	CURUMANI
ELEVACION	0046 m.s.n.m	REGIONAL	08 MAGDALENA	CORRIENTE	ANIMITO

FECHA-INSTALACION 1963-JUL
FECHA-SUSPENSION

AÑO	EST	ENT	ENERO	FEBRE	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOST	SEPTI	OCTUB	NOVIE	DICIE	VR ANUAL
1976	2	01	2.835	1.205 8	.862 1	1.156 1	2.156	1.208 1	.453 1	.683 1	.628 1	11.40	4.328	.716	2.31
1977	2	01	2.438	2.093	1.831	1.949	4.713	5.773 1	1.865	3.423	3.628 1	7.698 1	10.56 1	2.387 1	4.83
1978	2	01	1.216	.823	1.563	2.922 1	4.847 1	3.563	2.178	1.344 1	2.143 1	4.924 1	6.581	2.813	2.78
1979	2	01	.743	.689	.527	4.764	5.933	8.558	2.547	5.649	11.44	14.27	13.84	5.848	6.18
1980	2	01	2.381 1	1.961	1.481	1.956 1	2.824 1	2.852 1	1.165 1	1.828 1	1.788 1	4.376 1	9.984 8	1.612 1	2.71
1981	2	01	1.803 1	1.198 1	1.127	2.881	16.75 8	14.86 8	5.765 1	4.378 1	6.428	12.72 8	12.47 1	4.411	7.00
1982	2	01	3.201	2.052	1.379	1.978	9.678	4.717	1.841	.900	1.078	3.848	1.851	.581	2.69
1983	2	01	.486	.344	.486	2.517 8	2.119 1	2.278 1	.915	1.448 1	1.935 1	3.036	1.911	.689	1.50
1984	2	01	.466	.603	.348	.950	.565	.551	1.883	4.219 1	6.835 1	8.275 8	14.59 8	5.885 1	3.67
1985	2	01	2.471	1.314	1.480	2.990	8.691	5.581	983	2.902	6.769	7.757	4.727	5.598	3.47
1986	2	01	1.645	1.488	2.613	3.377	20.03	11.33	503	251	767	21.11 1	4.398 1	991	6.35
1987	2	01	.914	.556	.963	5.358 8	8.679 8	2.602	1.735	1.337 8	2.555 8	14.59 8	8.193 8	6.324 8	4.54
1988	2	01	1.868 8	1.431 8	1.338 8	3.767 8	1.889 8	4.830 8	2.474 1	17.13 8	30.12 8	19.77 8	24.12 8	7.006	8.67
1989	1	01	2.240 8	1.300 6	1.480 6	1.300 6	3.643 8	2.858 8	.520 8	1.247 8	3.505	8.587 8	7.338 8	11.05 8	4.27
1990	1	01	2.378 8	1.561 8	.991 8	1.678 8	2.188 8	1.278 1	.880 8	.755 8	.736 8	5.799 8	7.025	3.958 8	2.45
1991	1	01	.300	.220	.190	.410	2.550	.780	.420	.310	3.330 8	3.330	2.190 8	2.310	1.47
1992	1	01	.410	.190	.710	4.950 8	12.64 8	3.440	.670	.270	1.750	.460	4.170 8	1.960	2.46
MEDIOS			1.586	1.126	1.152	2.386	5.581	4.125	1.521	3.046	4.843	8.353	8.136	3.647	3.91
MAXIMOS			3.201	2.093	2.613	5.358	20.03	14.86	5.765	17.13	30.12	19.77	24.12	11.05	8.67
MINIMOS			0.300	0.220	0.190	0.410	0.565	0.551	0.420	0.270	0.628	3.450	1.851	0.581	0.19

H I M A T - INSTITUTO COLOMBIANO DE HIDROLOGIA METEOROLOGIA Y ADECUACION DE TIERRAS

SISTEMA DE INFORMACION HIDROMETEOROLOGICA

VALORES MEDIOS MENSUALES DE CAUDALES (m3/seg)

FECHA DE PROCESO : 941014

ESTACION : 25A2759 CAIMANCITO

LATITUD	0934 N	TIPO EST	LM	DEPTO	CESAR
LONGITUD	7348 W	ENTIDAD	01 HIMAT	MUNICIPIO	CHIMICHAGUA
ELEVACION	0040 m.s.n.m	REGIONAL	08 MAGDALENA	CORRIENTE	CESAR

FECHA-INSTALACION 1974-JUL

FECHA-SUSPENSION

AÑO	EST	ENT	ENERO	FEBRE	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOST	SEPTI	OCTUB	NOVIE	DICIE	VR ANUAL
1974	1	01	34.40	22.40	21.70	20.50	66.80	54.50	30.70	34.40	64.80	101.1	101.4	67.50	51.68
1975	1	01	28.70	22.60	22.50	28.50	34.60	40.50	47.80	45.60	79.80	99.70	113.3	92.80	54.03
1976	1	01	45.70	25.60	22.30	31.50	40.90	46.40	28.70	23.90	29.90	57.70	83.50	30.00	38.84
1977	2	01	10.23	12.90	3.589	7.645	57.87	30.70	30.99	34.01	32.44	63.70	81.30	41.70	33.03
1978	2	01	18.31	10.66	15.66	90.15	103.2	58.80	78.86	62.65	70.37	65.50	102.1	48.50	59.56
1979	2	01	21.45	9.586	8.861	19.19	79.90	138.6	85.50	65.89	99.90	108.3	135.9	69.90	67.92
1980	2	01	54.69	25.85	12.05	12.62	41.51	68.01	85.99	70.81	39.30	68.30	73.40	36.81	47.95
1981	2	01	30.77	12.01	21.21	37.52	158.1	154.8	124.3	87.50	99.80	88.90	99.80	58.50	81.07
1982	2	01	55.19	26.64	13.56	30.48	126.9	56.70	56.77	36.08	50.73	89.10	61.10	23.80	57.25
1983	2	01	13.80	23.80	31.50	29.50	95.40	98.50	48.30	59.40	55.30	75.40	99.20	38.70	55.07
1984	2	01	23.80	14.40	6.200	12.40	22.30	35.30	60.80	52.50	88.60	96.70	146.3	57.40	51.38
1985	2	01	18.18	17.62	6.988	14.38	64.57	55.77	15.41	44.79	53.88	97.98	105.2	76.80	47.15
1986	2	01	26.86	9.793	37.67	19.95	46.58	83.07	14.89	93.57	44.55	78.49	76.58	34.28	41.44
1987	1	01	16.58	13.28	6.988	74.98	96.98	131.6	52.98	66.58	52.18	145.4	122.6	74.78	68.22
1988	1	01	20.48	13.78	7.500	31.28	68.71	33.82	135.8	111.2	59.78	139.7	107.8	116.8	75.31
1989	1	01	33.96	25.98	29.78	18.78	23.37	58.29	72.83	39.89	64.62	104.8	92.89	94.22	55.60
1990	1	01	33.65	7.200	5.200	23.00	98.00	84.68	33.00	36.00	57.10	95.78	87.78	104.2	55.20
1991	1	01	27.48	18.98	15.88	15.98	31.58	33.19	97.88	41.78	99.58	97.18	63.48	95.48	52.61
1992	1	01	8.210	13.78	6.161	4.201	15.58	63.88	47.78	33.33	60.13	118.5	65.18	73.78	47.37
1993	1	01	19.88	5.788	3.788	27.18	117.5	61.88	36.38	37.78	73.58	55.48	47.88	59.28	45.19
MEDIOS			27.07	16.28	14.85	27.78	71.82	72.15	58.84	47.37	63.62	91.48	91.35	61.57	55.10
MAXIMOS			55.19	26.64	37.67	90.15	158.1	154.8	135.8	111.2	99.80	146.4	146.3	116.8	120.19
MINIMOS			8.210	5.788	3.788	4.201	15.58	33.82	14.89	33.33	29.78	47.18	23.48	8.788	8.78

H I M A T - INSTITUTO COLOMBIANO DE HIDROLOGIA METEOROLOGIA Y ADECUACION DE TIERRAS

SISTEMA DE INFORMACION HIDROMETEOROLOGICA

VALORES MEDIOS MENSUALES DE CAUDALES (m3/seg)

FECHA DE PROCESO : 841014

ESTACION : 2502709 PTE CARRETERA

LATITUD	0958 N	TIPO EST	LM	DEPTO CESAR	FECHA-INSTALACION 1970 OCT
LONGITUD	7338 W	ENTIDAD	01 HIMAT	MUNICIPIO CHIRIGUANA	FECHA-SUSPENSION
ELEVACION	0120 m.s.n.m	REGIONAL	06 MAGDALENA	CORRIENTE ANIMEGRANDE	

CAD EST ENT	ENERO	FEBRE	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOST	SEPTI	OCTUB	NOVIE	DICIE	VR ANUAL
1978 2 01	2.420 6	1.950 6	2.840 6	4.490 6	5.850 6	5.270 6	3.580 6	2.580 6	3.540 6	7.502	6.999	1.935	4.00
1979 2 01	.154	.180	.292	1.191	5.383	10.18	3.855	4.465	10.05	13.71	14.21	4.882	5.65
1980 2 01	1.176	.707	.201	1.203	1.157	2.106	.306	1.495	2.460	4.239	8.661	3.695	2.33
1981 2 01	1.724	1.834	2.483	6.143	15.74	15.71	9.573	8.638	13.59	13.81	16.67	8.078	9.35
1982 2 01	4.497	3.241 6	2.899	6.291	7.617	3.554	1.647	4.832	2.248 6	5.588 6	5.688 6	2.899	4.42
1983 2 01	.497	.756	2.189 8	2.549 8	3.396 8	2.882 8	2.446 8	2.278 8	2.872 8	7.639 8	7.429 8	1.488 8	2.47
1984 2 01	.434	1.046	.635	1.888	3.142	3.782	5.842	8.272	6.252	8.882	10.55 6	7.393 6	5.27
1985 2 01	1.127	.661	.789	2.058	3.815	1.658	1.188	2.599	3.992	5.889	5.693	4.717	2.83
1986 2 01	1.193	1.258	1.234	1.858	2.682	3.511	1.184	.933 8	2.636	7.295	2.311	1.065	2.19
1987 2 01	.140 8	.110 8	.888 8	2.217	3.858	1.828	1.158	2.868 7	2.758	13.83 8	9.318 8	2.798	3.35
1988 1 01	.332	.115 8	.742 8	.584 8	.265 8	3.584 8	5.547	10.17 8	8.687 8	3.423	5.851 8	.328 8	3.25
1989 1 01	.091 8	.844 8	893 8	.844 8	.394 8	295 8	838 8	.999 8	2.612	1.942	1.253	2.699 8	0.77
1990 1 01	858 8	.853	.931	.918 8	918 8	181 8	843 8	885 8	518 8	2.672 8	5.102 8	4.899 8	2.40
1991 1 01	.708	.238	.848 8	.858 8	.688 8	.888 8	.848	1.258	4.218	7.498	1.978	.558	1.64
1992 1 01	.388	.158	5888	.488	2.638	1.678	1.588	1.888	3.978	4.888	5.818	3.478	2.18
1993 1 01	.618	.498	1.218	2.878	9.888	3.628	2.238	1.268	3.888	1.448	4.998	3.698	2.88
MEDIOS	1.892	8.888	1.888	2.878	4.181	3.887	2.185	3.888	6.868	6.887	7.481	3.583	3.43
MAXIMOS	6.427	3.241	3.899	6.291	15.74	15.71	9.573	10.17	13.59	13.71	13.55	8.888	13.55
MINIMOS	8.858	8.714	5888	2.844	8.265	8.181	8.838	2.885	2.612	1.942	1.253	8.388	8888

H I M A T - INSTITUTO COLOMBIANO DE HIDROLOGIA METEOROLOGIA Y ADECUACION DE TIERRAS

SISTEMA DE INFORMACION HIDROMETEOROLOGICA

VALORES MEDIOS MENSUALES DE CAUDALES (m3/seg)

FECHA DE PROCESO : 941014 ESTACION : 2321703 CONTENTO EL

LATITUD	0813-N	TIPO EST	LM	DEPTO	CESAR	FECHA-INSTALACION	0914-DE
LONGITUD	7346 W	ENTIDAD	01 HIMAT	MUNICIPIO	GAMARRA	FECHA-SUSPENSION	
ELEVACION	0047 m.s.n.m	REGIONAL	11 SANTANDER	CORRIENTE	MAGDALENA		

ANO	EST	ENT	ENERO *	FEBRE *	MARZO *	ABRIL *	MAYO *	JUNIO *	JULIO *	AGOST *	SEPTI *	OCTUB *	NOVIE *	DICIE *	VR ANUAL *
1975	2	01	1546 6	1476 6	2599 6	2199 6	4224	3755	4114	3391	4425	5040 6	6025 8	4963 6	3646.42
1976	2	01	2049	1764	2710 6	3491 6	4353 8	3428 6	2489	1788 6	1501 6	3691	3817 8	1888 6	2734.00
1977	2	01	1239 6	871.2	1095 6	1775	2706	3178	2140 6	2390	2139 6	4510 6	4735 6	2364	2428.52
1978	2	01	1322 6	1059 6	1567 6	4080 8	3994 8	3672 8	2965	1919 6	2582 6	3841 6	4080	2931 6	2827.67
1979	2	01	1338 6	1174 6	1811	2523	4046 8	4277 8	2612	2163	4032	3557 8	5162 8	3097 8	2982.67
1980	2	01	1731 6	1561 6	1125	1548	2497 6	3265 6	2698 6	2654 6	2163	3663	3634	2699	2436.50
1981	2	01	1988 6	1698 6	2001	2800	4998 8	4953 8	3297	2140	3057	3963	4277	3418	3156.83
1982	2	01	2469	2969 6	3267 6	4316 6	5820	4136 6	2237 6	1648 6	2059 6	2872	3326	2423	3061.83
1983	2	01	1535 6	1207 6	1837 6	3103	4084	2940 6	1930 6	1824 6	2165 6	2848	2989	2943	2458.42
1984	2	01	2227 6	2312 6	3116 6	2688 6	3935 6	4427 6	3729 6	3293 6	3658 6	5178 6	5555 6	3380 6	3624.17
1985	2	01	2106 6	1423 6	1486 6	2334 6	3105 6	2710 6	1861 6	2401 6	2980	3750	4084 6	3175 6	2604.58
1986	2	01	1696 6	1863 6	2371 6	3260 6	3714 6	3719 6	2531 6	1742 6	1934 6	4374 6	4518 7	2341 6	2838.58
1987	2	01	1653 6	1436 6	1168 6	1849	3463	2564 6	2052 6	3139 6	2661 6	4060 6	4250 6	3183 6	2623.25
1988	2	01	1568 6	1889 6	1513 6	2085	2643	3095	3681 6	3515	4689	4648	5426	4969	3295.33
1989	1	01	3516 3		3249 3	*	3208	2922	2235	2129	3873	4599	5176 3	*	3434.11 3
1990	1	01			1357 3	2112	3598	2425	2163	1587	1930	3490	3974	2912	2554.80 3
1991	1	01	1627 7	1089 3	1592	2062	3129	2488	2279	2058	1810	2902	3311	2695	2252.83 3
1992	1	01	1293	1055	984.0	1043 7	2152	2073 3		1761 3	2022 3	2149 3	2322	3318 3	1833.09 3
1993	1	01			*	2854	4089	3133	2176	1738	2612	2854	3663	3684	2965.89 3
MEDIOS			1917	1547	1939	2551	3695	3324	2613	2277	2748	3751	4293	3128	2795.55
MAXIMOS			2540	2969	2967	4316	5820	4953	4114	3515	4689	5178	6025	4969	4025.00
MINIMOS			1239	871.2	984.0	1043	2152	2073	1861	1587	1501	2149	2322	1888	871.20

H I M A T - INSTITUTO COLOMBIANO DE HIDROLOGIA METEOROLOGIA Y ADECUACION DE TIERRAS

SISTEMA DE INFORMACION HIDROMETEOROLOGICA

VALORES MEDIOS MENSUALES DE CAUDALES (m3/seg)

FECHA DE PROCESO : 941014

ESTACION : 2321704 AGUAS CLARAS

LATITUD	0816 N	TIPO EST	LM	DEPTO	CESAR	FECHA-INSTALACION	1987-ABR
LONGITUD	7336 W	ENTIDAD	01 HIMAT	MUNICIPIO	AGUACHICA	FECHA-SUSPENSION	
ELEVACION	0120 m.s.n.m	REGIONAL	11 SANTANDER	CORRIENTE	0 AGUAS CLARAS		

AÑO	EST	ENT	ENERO	FEBRE	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOST	SEPTI	OCTUB	NOVIE	DICIE	VR ANUAL
1988	2	01	.393	.541 3			1.029 3	2.209 3					2.822 3		1.46 3
1989	1	01	.191	.116 3	.169	.188 3	.341	.253 3		.888 3	1.348 3	.619 3	.530 3	.823 3	0.50 3
1990	1	01	.073			*	.074	1.229	.639		.439	2.278 8	1.500 8		0.89 3
MEDIOS			0.219	0.329	0.169	0.188	0.481	1.230	0.639	0.888	0.894	1.449	1.617	0.823	0.74
MAXIMOS			0.393	0.541	0.169	0.188	1.029	2.209	0.639	0.888	1.348	2.278	2.822	0.823	2.82
MINIMOS			0.073	0.116	0.169	0.188	0.074	0.253	0.639	0.888	0.439	0.619	0.530	0.823	0.07

H I M A T - INSTITUTO COLOMBIANO DE HIDROLOGIA METEOROLOGIA Y ADECUACION DE TIERRAS

SISTEMA DE INFORMACION HIDROMETEOROLOGICA

VALORES MEDIOS MENSUALES DE CAUDALES (m3/seg)

FECHA DE PROCESO : 941014

ESTACION : 2321705 YEGUERITA

LATITUD	0818 N	TIPO EST	LM	DEPTO	CESAR
LONGITUD	7335 W	ENTIDAD	01 HIMAT	MUNICIPIO	AGUACHICA
ELEVACION	0240 m.s.n.m	REGIONAL	11 SANTANDER	CORRIENTE	Q BUTURAMA

FECHA-INSTALACION 1987-ABR

FECHA-SUSPENSION

AÑO	EST	ENT	ENERO	FEBRE	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOST	SEPTI	OCTUB	NOVIE	DICIE	VR ANUAL
1988	2	01	.814	.687	.524	.649 2	.926	1.561 3	1.175 3	1.019 3		1.906	2.068 3	1.241	1.21 3
1989	1	01	.789	.647	.686	.589	.418	.445	.312	.499	.941	*	*	1.893 3	0.62 3
1990	2	01	.663	.613 8	.586	.664	.765	.709 8	.584	.521	.831	1.899	1.427 8	.830	0.75
1991	1	01	.388	.353	.491	.688	.822 8	.549 3	.384 7	.330	.367	.565 8	.450	.185 3	0.46 3
1992	1	01	.141	.143 7	.115	.427 8	.465 8	.497	.675 8	.439	.589 3				0.38 3
1993	1	01				1.239 3	*			*	.592 3	.519	.589	.450 3	0.67 3
MEDIOS			0.559	0.489	0.469	0.688	0.697	0.752	0.618	0.702	0.652	1.019	1.119	0.761	0.71
MAYIMOS			0.814	0.687	0.686	1.239	0.926	1.561	1.175	1.019	0.941	1.906	2.068	1.241	2.07
MINIMOS			0.141	0.143	0.115	0.427	0.418	0.445	0.312	0.330	0.367	0.519	0.450	0.185	0.12

H I M A T - INSTITUTO COLOMBIANO DE HIDROLOGIA METEOROLOGIA Y ADECUACION DE TIERRAS

SISTEMA DE INFORMACION HIDROMETEOROLOGICA

VALORES MEDIOS MENSUALES DE CAUDALES (m3/seg)

FECHA DE PROCESO : 941014

ESTACION : 2319720 PRADERA

LATITUD	0807 N	TIPO EST	LM	DEPTO	CESAR	FECHA-INSTALACION	1987-JUL
LONGITUD	7335 W	ENTIDAD	01 HIMAT	MUNICIPIO	AGUACHICA	FECHA-SUSPENSION	
ELEVACION	0150 m.s.n.m	REGIONAL	11 SANTANDER	CORRIENTE	R GUADUAS		

AÑO	EST	ENT	ENERO	FEBRE	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOST	SEPTI	OCTUB	NOVIE	DICIE	VR ANUAL
1988	P	01				2.626	4.117 7	4.493 3	5.658 7	8.075		11.10 3	9.910 3	2.093 3	6.81 3
1989	1	01	1.364	1.028	1.009	1.282					1.398 3	2.245 3	2.898	1.778	1.51 3
1990	1	01	.860	.770	.840	1.770 8	1.318	1.480	1.180	.980 3			3.475 8	.780	1.35 3
MEDIOS			1.112	0.899	0.925	1.866	2.714	2.987	3.419	4.528	1.398	6.673	5.158	1.550	2.77
MAXIMOS			1.364	1.028	1.009	2.626	4.117	4.493	5.658	8.075	1.398	11.10	9.910	2.093	11.10
MINIMOS			0.860	0.770	0.840	1.282	1.318	1.480	1.180	0.980	1.398	2.245	2.898	0.780	0.77

H I M A T - INSTITUTO COLOMBIANO DE HIDROLOGIA METEOROLOGIA Y ADECUACION DE TIERRAS

SISTEMA DE INFORMACION HIDROMETEOROLOGICA

VALORES MEDIOS MENSUALES DE CAUDALES (m3/seg)

FECHA DE PROCESO : 841014 ESTACION : 2310741 HOYO EL

LATITUD	0741 N	TIPO EST	LM	DEPTO	CESAR	FECHA-INSTALACION	1974-060
LONGITUD	7331 W	ENTIDAD	01 HIMAT	MUNICIPIO	SAN ALBERTO	FECHA-SUSPENSION	
ELEVACION	0000 m.s.n.m	REGIONAL	11 SANTANDER	CORRIENTE	SAN ALBERTO		

AÑO	EST	ENT	ENERO	FEBRE	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOST	SEPTI	OCTUB	NOVIE	DICIE	VR ANUAL
1965	2	01	3.600	3.700	4.000	23.40	31.40	18.80	12.10	15.70	18.80	27.70	7.200	6.400	14.47
1966	2	01	2.500	.700	.900	2.100	18.70	18.50	12.50	11.70	12.90	41.50	53.50	54.30	19.33
1967	2	01	6.700	6.500	10.30	34.90	21.50	23.90	11.30	9.700	18.90	33.50	44.70	9.500	17.40
1968	2	01	4.300	5.500	4.700	37.40	16.80	21.30	12.30	10.70	17.30	28.30	15.40	10.80	14.94
1969	2	01	6.600	6.100	5.700	18.50	16.50	13.10	10.30	14.50	17.20	42.50	44.70	20.60	16.02
1970	2	01	11.40	7.600	.100	7.300	10.70	10.70	10.60	12.50	17.10	39.50	60.90	22.90	17.62
1971	2	01	24.70	23.70	26.90	26.90	43.70	30.40	13.90	15.50	19.90	39.40	39.90	15.60	26.02
1972	2	01	11.30	13.00	17.10	27.60	29.50	24.50	14.90	12.80	19.50	21.50	15.20	9.300	19.04
1973	2	01	1.500	2.000	2.500	1.500	2.200	4.400	3.200	7.100	19.60	23.80	30.30	23.90	10.14
1974	2	01	9.300	12.40	14.50	12.40	13.10	7.500	8.800	9.000	44.40	70.99	44.59	29.85	23.88
1975	2	01	3.500	3.300	9.300	10.30	29.80	11.30	14.10	15.10	19.00	26.10	66.20	39.70	20.58
1976	2	01	18.81	8.141	6.205	9.432	18.82	12.73	6.859	5.262	5.740	48.89	22.88	8.505	14.16
1977	2	01	3.715	3.937	3.819	19.39	19.46	19.54	10.48	11.34	17.79	26.10	42.10	12.68	15.10
1978	2	01	5.984	3.975	6.693	37.88	27.87	21.44	11.94	14.62	25.57	44.78	25.84	5.694	20.14
1979	2	01	6.905	3.104	3.582	22.42	45.27	23.87	24.00	58.76	43.73	41.76	77.69	14.89	30.79
1980	2	01	13.80	15.03	9.390	16.09	33.96	17.79	15.33	17.25	17.45	35.86	19.85	14.03	18.63
1981	2	01	10.65	4.271	5.132	19.21	25.87	21.22	17.70	15.60	36.50	42.74	33.20	23.67	21.38
1982	2	01	21.27	14.32	10.39	58.49	39.54	34.94	19.40	32.21	24.51	35.79	29.74	14.20	28.75
1983	2	01	8.813	6.575	5.318	17.54	31.74	17.10	7.660	9.112	12.20	20.66	25.78	16.49	14.08
1984	2	01	6.240	14.87	12.41	29.47	28.15	18.54	6.464	7.760	15.84	18.98	27.58	13.97	15.49
1985	2	01	9.477	5.530	5.339	21.51	23.77	9.979	9.197	10.48	27.54	22.60	23.63	20.19	16.64
1986	2	01	8.193	5.615	7.555	44.58	39.41	23.51	8.374	9.222	18.46	58.48	58.19	15.89	26.56
1987	2	01	24.58	23.11	18.01	22.22	21.64	13.02	10.70	10.54	13.20	41.22	20.27	31.91	22.89
1988	2	01	23.73	7.165	4.701	23.27	21.36	23.10	13.46	24.53	40.82	57.94	54.21	27.71	28.22
1989	2	01	17.97	9.037	21.20	14.14	43.11	18.12	12.10	12.01	50.15	45.60	45.81	32.46	25.99
1990	2	01	13.73	12.53	8.400	25.73	21.33	22.42	13.70	5.930	5.530	22.39	51.33	23.80	21.64
1991	2	01	7.633	3.834	3.139	3.533	17.10	11.17	15.3	7.585	22.35	40.32	19.20	18.00	15.01
1992	2	01	6.900	4.900	5.100	5.100	11.50	13.50	6.900	6.900	15.00	24.20	22.40	22.70	16.01
1993	1	01	13.40	4.704	11.30	33.02	31.67	17.33	10.65	10.91	13.87	32.50	54.30	A	22.55
MEDIOS			9.718	8.035	8.717	22.37	26.60	17.97	12.39	14.44	22.80	35.96	37.22	20.20	19.64
MAXIMOS			23.30	23.11	31.90	58.49	51.67	34.94	24.30	58.76	58.16	70.99	77.69	54.30	77.69
MINIMOS			1.500	0.700	0.100	1.500	2.200	4.400	3.200	5.000	5.740	19.90	7.200	5.400	0.10