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Dirección General de Meteorología

BOLETIN CLIMATOLOGICO ANUAL

AÑO 1951

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I N T R O D U C C I O N

Continuando con el próposito de poner al día las estadisticas de carácter climatologico, la Dirección General de Meteorología publica ahora el Boletín Climatologico Anual con los datos correspondientes al Año 1951; información que, como se verá esta clasificada por frecuencia de fenómenos, en concordancia con las recomendaciones de la Organización Meteorológica Mundial, de la que el Perú forma parte.

El presente Boletín contiene la tabulación de 36 Observatorios Meteorológicos; datos que, sin duda alguna, resultan de gran beneficio a todas las actividades nacionales, que, de una manera ú otra son afectadas por las variaciones de la atmósfera.

Todos los resumenes aqui contenidos, han sido realizados por personal propio, asi como la impresión misma. Las horas de observación se refieren a : 07-00, 13-00 y 18-00, local (12-00, 18-00 y 23-00 T.C.G.), respectivamente. Las presiones, reducidas al nivel del lugar de observación, están consignadas en milibares.

Simultaneamente, con el fin de ganar tiempo, se esta imprimiendo el boletín correspondiente al año 1960 en forma mensual, habiendose publicado en la fecha el correspondiente al mes de Febrero.

Lima, Junio de 1960

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PRIMERA PARTE

RESUMENES MENSUALES Y ANUALES DE LAS ESTACIONES DE PRIMER ORDEN

Lat. 03° 40' S. Long. 80° 31' W. de G. Alt. 8 mts. s.n. del mar

MESES	T TEMPERATURA EN GRADOS CENTIGRADOS									U HUMEDAD RELATIVA						EVAPORACION TOTAL EN MILIMETROS	TENSION MEDIA DEL VAPOR EN MILIMETROS	TOTAL DE HORAS DE SOL	NUBOSIDAD MEDIA EN OCTAVOS
	07 - 00	13 - 00	18 - 00	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA	OSCILACION	MAXIMA ABSOLUTA	MINIMA ABSOLUTA	07 - 00	13 - 00	18 - 00	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA				
ENE.	24.7	28.4	26.8	-	-	-	-	-	-	74	70	71	-	-	-	-	-	-	4
FEB.	25.6	30.6	28.8	-	-	-	-	-	-	72	64	70	-	-	-	-	-	-	4
MAR.	25.8	31.0	28.6	-	-	-	-	-	-	75	65	69	-	-	-	-	-	-	-
ABR.	25.8	30.6	27.4	-	-	-	-	-	-	74	65	72	-	-	-	-	-	-	-
MAY.	25.6	30.0	27.0	-	-	-	-	-	-	67	71	68	-	-	-	-	-	-	3
JUN.	26.0	29.7	28.4	-	-	-	-	-	-	68	61	69	-	-	-	-	-	-	3
JUL.	24.8	29.2	26.7	-	-	-	-	-	-	69	60	68	-	-	-	-	-	-	3
AGO.	23.4	28.1	25.8	-	-	-	-	-	-	70	62	69	-	-	-	-	-	-	3
SET.	23.4	28.7	25.9	-	-	-	-	-	-	70	65	65	-	-	-	-	-	-	3
OCT.	23.9	29.7	26.1	-	-	-	-	-	-	68	59	62	-	-	-	-	-	-	5
NOV.	24.5	31.0	26.5	-	-	-	-	-	-	64	53	63	-	-	-	-	-	-	-
DIC.	25.3	31.6	26.6	-	-	-	-	-	-	69	49	62	-	-	-	-	-	-	4
Media Anual	24.3	29.9	27.0	-	-	-	-	-	-	70	62	67	-	-	-	-	-	-	4

RR CANTIDAD DE LLUVIA (EN MILIMETROS)			PPP PRESION ATMOSFERICA (EN MILIBARES)					dd DIRECCION Y FUERZA DEL VIENTO (EN N/h.)			FENOMENOS DIVERSOS		
TOTAL MENSUAL	MAXIMA EN 24 HORAS	NUMERO DE DIAS CON:	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA	MAXIMA ABSOLUTA	MINIMA ABSOLUTA	07 - 00	13 - 00	18 - 00	TEMPESTAD ELECTRICA	GRANIZO	NIEBLA
11.50	6.00	2	-	-	-	-	-	SW -4	SW-6	SW -7	-	-	-
0.00	-	-	-	-	-	-	-	C -0	NW-6	NW- 6	-	-	-
0.00	-	-	-	-	-	-	-	NW -5	NW-5	W -7	-	-	-
0.00	-	-	-	-	-	-	-	W -5	SW-6	W -6	-	-	-
0.00	-	-	-	-	-	-	-	SW -4	SW-6	SW -7	-	-	-
0.20	0.20	1	-	-	-	-	-	SW -3	SW-4	SW -6	-	-	-
2.80	1.70	2	-	-	-	-	-	SSE-3	SW-4	SSW-7	-	-	-
0.00	-	-	-	-	-	-	-	C -0	SW-3	SSW-7	-	-	-
0.00	-	-	-	-	-	-	-	C -0	SW-2	SW -3	-	-	-
0.00	-	-	-	-	-	-	-	C -0	S -3	SW-4	-	-	-
0.00	-	-	-	-	-	-	-	C -0	S -3	SW -3	-	-	-
0.00	-	-	-	-	-	-	-	C -0	SW-2	SW -3	-	-	-
Total 14.50	-	-	-	-	-	-	-	C -0	SW-4	SW -5	-	-	-

E L

Lat. 04° 15' S. Long. 80° 14' W. de G. Alt. 270 mts. s. n. del mar

MESES	T TEMPERATURA EN GRADOS CENTIGRADOS									U HUMEDAD RELATIVA %						EVAPORACION TOTAL EN MILIMETROS	TENSION MEDIA DEL VAPOR EN MILIMETROS	TOTAL DE HORAS DE SOL	NUBOSIDAD MEDIA EN OCTAVOS
	07 - 00	13 - 00	18 - 00	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA	OSCILACION	MAXIMA ABSOLUTA	MINIMA ABSOLUTA	07 - 00	13 - 00	18 - 00	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA				
ENE.	21.5	26.6	23.4	24.0	29.2	19.9	9.3	33.0	17.2	75	59	72	69	91	41	134.4	15.46	-	6
FEB.	22.3	28.0	24.6	25.1	30.9	20.6	10.3	33.3	18.5	68	52	54	61	90	37	165.5	14.59	-	5
MAR.	22.5	27.6	24.4	24.8	30.3	21.1	9.2	31.7	18.6	75	56	70	70	90	44	167.1	16.45	-	6
ABR.	22.0	27.3	28.8	24.4	30.2	20.5	9.7	32.2	18.8	75	54	74	68	88	41	167.5	15.60	-	5
MAY.	21.0	26.9	21.9	23.2	29.5	19.6	9.9	31.1	18.8	78	55	81	70	88	39	163.5	14.94	-	5
JUN.	20.5	27.0	21.9	23.0	29.1	19.0	10.1	30.5	17.7	80	54	81	74	92	42	150.3	15.61	-	5
JUL.	19.2	25.3	21.3	21.9	27.5	17.9	9.6	30.0	16.4	82	55	79	75	92	42	146.7	14.79	-	4
AGO.	18.4	24.1	20.0	20.8	26.8	16.7	10.1	28.3	15.5	80	56	81	76	92	44	136.4	14.01	-	4
SET.	17.7	23.5	18.3	20.0	26.2	16.5	9.7	27.7	15.5	82	56	85	78	93	45	124.3	13.69	-	5
OCT.	18.8	23.3	19.4	20.9	26.6	16.8	9.8	28.3	15.5	80	55	78	74	90	43	126.3	13.73	-	4
NOV.	19.3	24.4	20.1	21.0	27.0	17.5	9.5	28.8	15.5	78	56	77	72	88	43	123.6	13.44	-	5
DIC.	20.3	25.9	20.8	22.2	28.8	18.5	10.3	30.0	17.2	77	52	76	71	88	41	140.0	14.26	-	5
Media anual	20.3	25.8	22.1	22.5	28.5	18.7	9.8	FEB. 33.3	Varios 15.5	78	55	76	72	90	42	-	14.71	-	5

L T O

RR CANTIDAD DE LLUVIA (EN MILIMETROS)			PPP PRESION ATMOSFERICA (EN MILIBARES)					dd DIRECCION Y FUERZA DEL VIENTO (EN N/h.)			FENOMENOS DIVERSOS		
TOTAL MENSUAL	MAXIMA EN 24 HORAS	NUMERO DE DIAS CON:	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA	MAXIMA ABSOLUTA	MINIMA ABSOLUTA	07 - 00	13 - 00	18 - 00	TEMPESTAD ELECTRICA	GRANIZO	NIEBLA
6.32	4.11	5	986.3	985.4	981.3	987.8	979.0	SE - 1	SW - 2	S - 2	-	-	-
0.87	0.87	2	981.7	983.6	979.4	986.1	975.3	SE - 1	WSW- 1	S - 1	-	-	-
0.54	0.38	3	982.1	984.1	979.7	985.8	976.0	SSE- 1	WSW- 1	S - 1	-	-	-
0.22	0.22	4	982.9	984.9	980.6	987.6	978.8	SE - 1	S - 2	S - 3	-	-	-
0.22	0.22	4	984.0	985.7	981.7	986.8	978.8	SSE- 2	S - 3	S - 3	-	-	-
1.07	0.64	4	983.4	984.2	981.2	986.9	978.8	SSE- 2	S - 2	S - 3	-	-	-
1.40	1.40	1	984.2	985.7	981.8	987.8	979.0	SSE- 2	S - 2	S - 3	-	-	-
0.00	0.00	0	983.8	985.3	981.6	986.9	979.4	SSE- 2	SSW- 3	S - 4	-	-	-
V	V	1	984.0	985.4	981.8	986.9	980.1	SSE- 2	SSW- 3	S - 3	-	-	-
0.00	0.00	0	984.6	985.7	981.7	987.2	980.4	SE - 2	SSW- 3	S - 4	-	-	-
2.92	1.35	3	983.2	985.2	980.6	986.9	978.8	SSE- 2	SE - 2	S - 3	-	-	-
2.00	2.00	2	983.2	985.2	981.0	986.9	978.8	SSE- 1	SSW- 2	S - 3	-	-	-
Total 15.56	-	-	983.6	985.0	981.0	Varios 987.8	FEB. 975.3	SSE- 2	SSW- 3	S - 3	-	-	-

L O B I

Lat. 04° 27' S. Long. 81° 17' W. de G. Alt. 20 mts. s. n. del mar

MESES	T TEMPERATURA EN GRADOS CENTIGRADOS									U HUMEDAD RELATIVA %						EVAPORACION TOTAL EN MILIMETROS	TENSION MEDIA DEL VAPOR EN MILIMETROS	TOTAL DE HORAS DE SOL	NUBOSIDAD MEDIA EN OCTAVOS
	07 - 00	13 - 00	18 - 00	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA	OSCILACION	MAXIMA ABSOLUTA	MINIMA ABSOLUTA	07 - 00	13 - 00	18 - 00	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA				
ENE.	24.8	27.9	26.5	-	28.5	23.3	5.3	31.0	21.0	75	65	71	-	-	-	225.0	-	-	-
FEB.	23.7	28.7	26.5	-	29.5	22.8	6.7	31.5	21.0	70	56	65	-	-	-	203.0	-	-	-
MAR.	24.6	28.2	26.6	-	28.7	23.1	5.6	31.0	21.0	71	60	66	-	-	-	153.1	-	-	-
ABR.	24.4	27.5	25.3	-	28.7	22.7	6.0	31.0	21.0	74	65	74	-	-	-	246.2	-	-	-
MAY.	24.2	27.3	25.2	-	28.1	22.3	5.8	30.0	21.5	74	65	74	-	-	-	257.7	-	-	-
JUN.	23.6	27.3	25.0	-	27.6	21.7	5.9	29.0	21.0	73	65	75	-	-	-	251.6	-	-	-
JUL.	23.2	25.9	24.2	-	26.2	20.6	5.6	28.0	19.5	74	66	72	-	-	-	222.3	-	-	-
AGO.	21.6	25.2	22.9	-	25.6	19.5	6.1	27.0	18.0	73	60	69	-	-	-	232.5	-	-	-
SET.	20.8	24.1	21.5	-	24.8	19.0	5.8	26.0	18.0	73	64	74	-	-	-	220.9	-	-	-
OCT.	21.5	24.7	22.2	-	25.2	19.4	5.8	27.5	18.5	72	63	72	-	-	-	234.2	-	-	-
NOV.	22.6	25.2	23.2	-	26.3	19.9	6.4	29.0	19.0	68	61	69	-	-	-	217.4	-	-	-
DIC.	23.0	26.2	23.7	-	27.0	20.6	6.4	29.0	19.5	71	58	69	-	-	-	192.5	-	-	-
Media Anual	23.1	26.5	24.4	-	27.2	21.2	6.0	FEB. 31.5	MAY. 21.5	72	62	71	-	-	-	-	-	-	-

RR CANTIDAD DE LLUVIA (EN MILIMETROS)			PPP PRESION ATMOSFERICA (EN MILIBARES)					dd DIRECCION Y FUERZA DEL VIENTO (EN N/n.)			FENOMENOS DIVERSOS		
TOTAL MENSUAL	MAXIMA EN 24 HORAS	NUMERO DE DIAS CON:	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA	MAXIMA ABSOLUTA	MINIMA ABSOLUTA	07 - 00	13 - 00	18 - 00	TEMPESTAD ELECTRICA	GRANIZO	NIEBLA
-	-	-	-	1017.2	1012.9	1020.0	1010.7	-	-	-	-	-	-
-	-	-	-	1014.7	1010.3	1018.0	1004.0	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	1016.1	1011.5	1018.7	1009.3	-	-	-	-	-	-
-	-	-	-	1017.2	1013.1	1020.0	1010.0	-	-	-	-	-	-
-	-	-	-	1016.4	1012.4	1018.7	1009.3	-	-	-	-	-	-
-	-	-	-	1017.2	1013.1	1020.0	1010.7	-	-	-	-	-	-
-	-	-	-	1017.7	1013.5	1018.6	1011.3	-	-	-	-	-	-
-	-	-	-	1018.0	1013.9	1020.7	1012.0	-	-	-	-	-	-
-	-	-	-	1018.1	1013.9	1020.0	1012.0	-	-	-	-	-	-
-	-	-	-	1017.5	1013.1	1019.3	1010.7	-	-	-	-	-	-
-	-	-	-	1016.9	1013.1	1018.6	1010.7	-	-	-	-	-	-
Total -	-	-	-	1017.0	1012.8	SET. 1020.7	VARIOS 1009.3	-	-	-	-	-	-

H U A N C A

Lat. 05° 14' S. Long. 79° 23' W. de G. Alt. 1957 mts. s. n. del mar

MESES	T TEMPERATURA EN GRADOS CENTIGRADOS									U HUMEDAD RELATIVA %						EVAPORACION TOTAL EN MILIMETROS	TENSION MEDIA DEL VAPOR EN MILIMETROS	TOTAL DE HORAS DE SOL	NUBOSIDAD MEDIA EN OCTAVOS
	07 - 00	13 - 00	18 - 00	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA	OSCILACION	MAXIMA ABSOLUTA	MINIMA ABSOLUTA	07 - 00	13 - 00	18 - 00	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA				
ENE.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FEB.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MAR.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ABR.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MAY.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JUN.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JUL.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AGO.	14.1	22.8	21.4	18.6	25.5	12.7	12.8	31.0	9.0	64	43	45	52	65	40	-	08.36	175	4
SET.	16.2	25.4	22.7	20.2	26.9	15.4	11.5	32.0	12.0	60	45	44	50	63	39	-	08.88	184	4
OCT.	16.1	26.8	22.5	20.1	27.5	15.1	12.4	35.0	11.0	67	42	51	62	70	40	-	10.95	190	4
NOV.	16.1	23.4	22.3	19.7	24.8	15.5	9.3	30.5	13.0	71	50	52	61	74	44	-	10.50	182	4
DIC.	16.6	24.4	21.9	20.3	27.0	15.3	11.7	37.0	12.0	65	52	48	64	76	51	-	11.44	120	2
Media Anual	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

RR CANTIDAD DE LLUVIA (EN MILIMETROS)			PPP PRESION ATMOSFERICA (EN MILIBARES)					dd DIRECCION Y FUERZA DEL VIENTO (EN M/S)			FENOMENOS DIVERSOS		
TOTAL MENSUAL	MAXIMA EN 24 HORAS	NUMERO DE DIAS CON:	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA	MAXIMA ABSOLUTA	MINIMA ABSOLUTA	07 - 00	13 - 00	18 - 00	TEMPESTAD CHUBASCO	GRANIZO	NIEBLA
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.20	0.10	2	-	813.6	812.2	814.7	809.3	SE-10	W-20	SW-16	-	-	3
0.13	0.70	2	812.5	813.9	811.3	814.9	809.2	SE-14	S-18	S -16	-	-	-
1.10	0.30	5	812.0	813.3	810.8	814.7	806.7	C -0	S-14	SW-15	-	-	3
0.60	0.20	6	811.5	812.7	808.9	814.7	806.7	C- 0	S-14	SW-14	1	-	1
3.60	0.70	12	811.8	814.0	809.5	814.7	808.0	C -0	S-13	W -13	-	-	4
-	-	-	-	-	-	-	-	-	-	-	-	-	-

C H A C H A

Lat. 06° 13' S. Long. 77° 50' W. de G. Alt. 2,328 mts. s. n. del mar

MESES	T TEMPERATURA EN GRADOS CENTIGRADOS									U HUMEDAD RELATIVA %						EVAPORACION TOTAL EN MILIMETROS	TENSION MEDIA DEL VAPOR EN MILIMETROS	TOTAL DE HORAS DE SOL	NUBOSIDAD MEDIA EN OCTAVOS
	07 - 00	13 - 00	18 - 00	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA	OSCILACION	MAXIMA ABSOLUTA	MINIMA ABSOLUTA	07 - 00	13 - 00	18 - 00	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA				
ENE.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FEB.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MAR.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30.8	-	-	7
ABR.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21.7	-	-	7
MAY.	-	-	-	-	-	-	-	-	-	87	70	76	-	-	-	28.4	-	-	6
JUN.	-	-	-	-	-	-	-	-	-	85	65	72	-	-	-	27.9	-	-	5
JUL.	-	-	-	-	-	-	-	-	-	85	61	66	-	-	-	31.7	-	-	4
AGO.	-	-	-	-	-	-	-	-	-	86	65	70	-	-	-	29.0	-	-	5
SET.	-	-	-	-	-	-	-	-	-	85	61	66	-	-	-	26.7	-	-	6
OCT.	-	-	-	-	-	-	-	-	-	87	68	73	-	-	-	27.5	-	-	6
NOV.	-	-	-	-	-	-	-	-	-	85	66	70	-	-	-	30.2	-	-	6
DIC.	-	-	-	-	-	-	-	-	-	86	70	74	-	-	-	23.0	-	-	6
Media Anual	-	-	-	-	-	-	-	-	-	86	66	71	-	-	-	-	-	-	6

RR CANTIDAD DE LLUVIA (EN MILIMETROS)(			PPP PRESION ATMOSFERICA (EN MILIBARES)					dd DIRECCION Y FUERZA DEL VIENTO (EN N/h.)			FENOMENOS DIVERSOS		
TOTAL MENSUAL	MAXIMA EN 24 HORAS	NUMERO DE DIAS CON:	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA	MAXIMA ABSOLUTA	MINIMA ABSOLUTA	07 - 00	13 - 00	18 - 00	TEMPESTAD ELECTRICA	GRANIZO	LLUVIA
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
58.00	30.50	6	716.5	726.7	720.7	736.7	708.7	-	-	-	-	-	-
29.00	14.00	3	720.4	722.1	718.5	723.7	714.7	-	-	-	-	-	-
13.50	9.70	5	716.7	720.0	716.8	721.1	714.0	C - 0	E - 7	E - 6	-	-	24
0.00	0.00	0	718.4	719.7	716.7	721.2	714.7	C - 0	E - 9	E - 8	-	-	29
0.00	0.00	0	717.3	719.8	716.7	721.2	714.8	C - 0	E - 9	E -10	-	-	13
27.50	27.50	1	718.0	719.7	716.7	721.1	714.7	C - 0	E -10	E - 7	-	-	28
78.60	29.00	5	718.0	719.7	716.3	721.5	714.0	C - 0	E -11	E - 9	1	-	22
39.10	7.30	13	717.3	717.2	715.6	721.3	713.3	C - 0	E - 4	N - 6	-	-	37
14.50	5.00	6	716.4	718.0	714.5	719.7	712.0	C - 0	E - 4	C - 0	-	-	34
X	X	X	717.3	718.9	715.5	720.1	713.3	C - 0	E - 9	C - 0	-	-	37
Total 260.20	-	-	717.6	720.2	716.8	MARZO 736.7	MARZO 708.7	C - 0	E - 8	E - 8	-	-	-

Lat. 06° 42' S. Long. 79° 54' W. de G. Alt. 18 mts. s. n. del mar

MESES	T TEMPERATURA EN GRADOS CENTIGRADOS									U HUMEDAD RELATIVA %						EVAPORACION TOTAL EN MILIMETROS	TENSION MEDIA DEL VAPOR EN MILIMETROS	TOTAL DE HORAS DE SOL	NUBOSIDAD MEDIA EN OCTAVOS
	07 - 00	13 - 00	18 - 00	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA	OSCILACION	MAXIMA ABSOLUTA	MINIMA ABSOLUTA	07 - 00	13 - 00	18 - 00	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA				
ENE.	19.6	28.7	22.0	24.1	30.6	19.3	11.3	32.8	15.3	87	61	77	-	-	-	-	-	268	5
FEB.	18.9	29.3	22.4	22.5	30.6	17.6	13.0	32.8	14.0	84	62	79	-	-	-	-	-	264	5
MAR.	19.7	29.2	22.7	24.0	30.1	18.8	11.3	31.5	17.2	86	63	79	-	-	-	-	-	243	5
ABR.	20.1	28.5	22.7	22.9	29.2	19.1	10.1	30.8	17.8	86	64	84	-	-	-	-	-	206	5
MAY.	19.4	26.9	22.2	21.6	27.7	18.1	9.5	29.5	16.1	90	70	86	-	-	-	-	-	163	5
JUN.	19.6	25.7	21.8	21.4	26.4	18.1	8.3	27.8	15.2	93	75	87	-	-	-	-	-	176	5
JUL.	18.0	24.2	20.6	19.1	24.7	15.3	9.4	26.5	10.2	97	81	89	-	-	-	-	-	162	5
AGO.	16.8	23.3	17.8	18.8	23.6	13.8	9.8	24.5	11.1	98	78	94	-	-	-	-	-	209	5
SET.	16.8	23.6	18.4	18.6	23.7	14.3	9.4	24.4	12.5	94	75	88	-	-	-	-	-	182	5
OCT.	18.1	24.3	15.9	19.5	24.3	15.5	8.8	25.2	13.8	94	71	90	-	-	-	-	-	178	6
NOV.	18.6	26.2	21.1	19.1	26.4	16.4	10.0	27.4	13.7	94	69	89	-	-	-	-	-	162	6
DIC.	19.3	26.6	22.3	19.5	26.7	16.8	9.9	27.5	15.2	92	67	86	-	-	-	-	-	164	5
Media Anual	18.7	23.4	20.8	20.9	27.0	16.9	10.1	Varios 32.8	JUL. 10.2	91	70	86	-	-	-	-	-	-	5

RR CANTIDAD DE LLUVIA (EN MILIMETROS)			PPP PRESION ATMOSFERICA (EN MILIBARES)					dd DIRECCION Y FUERZA DEL VIENTO (EN N/h.)			FENOMENOS DIVERSOS		
TOTAL MENSUAL	MAXIMA EN 24 HORAS	NUMERO DE DIAS CON:	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA	MAXIMA ABSOLUTA	MINIMA ABSOLUTA	07 - 00	13 - 00	18 - 00	TEMPESTAD ELECTRICA	GRANIZO	NIEBLA
0.30	0.30	1	1013.4	1015.2	1011.4	1018.2	1007.7	SSW- 8	SSW-15	SSW-15	-	-	-
0.20	0.20	1	1010.8	1012.5	1008.6	1015.7	1004.2	C - 0	SSW-14	SSW-15	-	-	2
0.80	0.50	2	1010.6	1012.6	1008.4	1015.3	1005.7	SSW- 6	SSW-14	SSW-15	-	-	1
0.00	0.00	0	1009.2	1011.0	1007.0	1013.6	1005.3	SSE- 9	SSW-15	SSW-15	-	-	-
0.40	0.40	1	1008.5	1010.2	1006.5	1011.8	1003.4	SSW- 9	SSW-14	SSW-14	-	-	1
1.30	0.40	3	1005.7	1007.4	1003.6	1010.1	1000.4	SSE- 5	SSW-14	SSW-14	-	-	-
0.00	0.00	0	1004.0	1005.4	1002.4	1008.9	999.0	C - 0	SSW-14	SSW-13	-	-	-
0.00	0.00	0	1002.6	1003.6	1000.0	1005.6	998.1	C - 0	SSW-13	SSW-14	-	-	2
0.00	0.00	0	1002.2	1004.0	1000.4	1005.8	998.9	SSW-14	SSW-14	SSW-15	-	-	-
4.60	2.20	4	998.9	1001.2	996.6	1002.9	994.9	SSW- 8	SSW-15	SSW-14	-	-	-
3.50	2.90	2	997.8	999.6	995.7	1002.2	993.6	SSW- 8	SSW-15	SSW-14	-	-	-
3.90	2.70	3	996.8	997.3	993.3	999.7	990.2	SSW- 9	SSW-14	SSW-15	-	-	-
Total 15.00	-	-	1005.0	1006.7	1002.8	ENE. 1018.2	DIC. 990.2	SSW- 8	SSW-14	SSW-14	-	-	-

Lat. 06° 48' S. Long. 79° 18' W. de G. Alt. 33 mts. s. n. del mar

MESES	T TEMPERATURA EN GRADOS CENTIGRADOS									U HUMEDAD RELATIVA %						EVAPORACION TOTAL EN MILIMETROS	TENSION MEDIA DEL VAPOR EN MILIMETROS	TOTAL DE HORAS DE SOL	NUBOSIDAD MEDIA EN OCTAVOS
	07 - 00	13 - 00	18 - 00	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA	OSCILACION	MAXIMA ABSOLUTA	MINIMA ABSOLUTA	07 - 00	13 - 00	18 - 00	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA				
ENE.	-	-	-	-	34.6	16.3	18.3	36.0	12.0	-	-	-	-	-	-	-	-	-	5
FEB.	-	-	-	-	35.1	16.2	18.9	38.0	14.4	-	-	-	-	-	-	-	-	-	5
MAR.	-	-	-	-	34.0	17.3	16.7	36.0	14.0	-	-	-	-	-	-	-	-	-	6
ABR.	-	-	-	-	34.2	16.4	17.8	37.2	14.0	-	-	-	-	-	-	-	-	-	6
MAY.	-	-	-	-	33.3	15.6	16.7	35.0	13.2	-	-	-	-	-	-	-	-	-	6
JUN.	-	-	-	-	31.2	14.7	16.5	36.8	12.0	-	-	-	-	-	-	-	-	-	5
JUL.	-	-	-	-	30.9	13.3	17.6	33.0	11.0	-	-	-	-	-	-	-	-	-	6
AGO.	-	-	-	-	30.8	12.8	18.0	33.0	11.0	-	-	-	-	-	-	-	-	-	5
SET.	-	-	-	-	31.4	12.4	19.0	33.0	8.2	-	-	-	-	-	-	-	-	-	5
OCT.	-	-	-	-	32.0	13.5	18.5	33.6	12.0	-	-	-	-	-	-	-	-	-	6
NOV.	-	-	-	-	32.5	14.4	18.1	34.0	12.0	-	-	-	-	-	-	-	-	-	5
DIC.	-	-	-	-	34.1	15.2	18.9	36.0	14.0	-	-	-	-	-	-	-	-	-	4
Media Anual	-	-	-	-	32.7	14.8	17.9	FEB. 38.0	SET. 8.2	-	-	-	-	-	-	-	-	-	5

RR CANTIDAD DE LLUVIA (EN MILIMETROS)			PPP PRESION ATMOSFERICA (EN MILIBARES)					dd DIRECCION Y FUERZA DEL VIENTO (EN N/h.)			FENOMENOS DIVERSOS		
TOTAL MENSUAL	MAXIMA EN 24 HORAS	NUMERO DE DIAS CON	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA	MAXIMA ABSOLUTA	MINIMA ABSOLUTA	07 - 00	13 - 00	18 - 00	TEMPESTAD ELECTRICA	GRANIZ	NIEBLA
11.06	3.98	3	-	-	-	-	-	-	-	-	-	-	-
7.64	7.32	2	-	-	-	-	-	-	-	-	-	-	-
6.84	3.76	3	-	-	-	-	-	-	-	-	-	-	-
2.06	2.06	1	-	-	-	-	-	-	-	-	-	-	-
3.68	1.90	3	-	-	-	-	-	-	-	-	-	-	-
5.48	5.48	1	-	-	-	-	-	-	-	-	-	-	-
0.00	0.00	0	-	-	-	-	-	-	-	-	-	-	-
0.00	0.00	0	-	-	-	-	-	-	-	-	-	-	-
0.00	0.00	0	-	-	-	-	-	-	-	-	-	-	-
20.57	13.88	4	-	-	-	-	-	-	-	-	-	-	-
0.00	0.00	0	-	-	-	-	-	-	-	-	-	-	-
7.55	5.54	4	-	-	-	-	-	-	-	-	-	-	-
Total 94.88	-	-	-	-	-	-	-	-	-	-	-	-	-

Lat. 07° 04' S. Long. 79° 34' W. de G. Alt. 150 mts. s. n. del mar

MESES	T TEMPERATURA EN GRADOS CENTIGRADOS									RR HUMEDAD RELATIVA %						EVAPORACION TOTAL EN MILIMETROS	TENSION MEDIA DEL VAPOR EN MILIMETROS	TOTAL DE HORAS DE SOL	INTENSIDAD MEDIA EN OCTAVOS
	07 - 00	13 - 00	18 - 00	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA	OSCILACION	MAXIMA ABSOLUTA	MINIMA ABSOLUTA	07 - 00	13 - 00	18 - 00	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA				
ENE.	-	-	-	25.6	33.1	18.4	14.7	35.0	16.0	-	-	-	77	97	36	161.2	18.97	300	5
FEB.	-	-	-	25.3	33.8	17.8	16.0	35.0	16.8	-	-	-	73	97	25	159.6	17.67	276	4
MAR.	-	-	-	25.4	33.8	19.2	14.6	36.0	17.8	-	-	-	77	97	35	177.3	18.75	309	4
ABR.	-	-	-	25.6	32.6	19.1	13.5	34.5	17.0	-	-	-	81	98	39	168.4	19.96	267	4
MAY.	-	-	-	24.0	30.2	18.7	11.5	33.5	16.2	-	-	-	85	98	49	168.0	19.04	247	5
JUN.	-	-	-	22.7	28.9	18.1	10.8	31.0	14.5	-	-	-	86	98	51	158.2	17.81	229	5
JUL.	-	-	-	22.3	28.2	16.5	11.7	31.0	11.0	-	-	-	85	98	51	163.3	17.18	248	5
AGO.	-	-	-	21.2	28.1	15.8	12.3	30.0	13.0	-	-	-	84	98	43	150.3	15.88	269	4
SET.	-	-	-	21.4	27.6	15.6	12.0	29.0	13.0	-	-	-	81	98	40	149.0	15.50	277	4
OCT.	-	-	-	22.4	28.7	16.7	12.0	30.0	14.2	-	-	-	80	97	40	152.4	16.26	278	5
NOV.	-	-	-	23.0	29.5	17.0	12.5	31.0	13.8	-	-	-	80	97	42	142.7	16.87	243	4
DIC.	-	-	-	24.2	30.4	18.0	12.4	34.0	15.5	-	-	-	78	97	36	162.8	17.68	325	3
Media Anual	-	-	-	23.6	30.4	17.6	12.8	MAR. 36.0	JUL. 11.0	-	-	-	80	98	40	-	17.63	-	4

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RR CANTIDAD DE LLUVIA (EN MILIMETROS)			PPP PRESION ATMOSFERICA (EN MILIBARES)					dd DIRECCION Y FUERZA DEL VIENTO (EN N/h.)			FENOMENOS DIVERSOS		
TOTAL MENSUAL	MAXIMA EN 24 HORAS	NUMERO DE DIAS CON:	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA	MAXIMA ABSOLUTA	MINIMA ABSOLUTA	07 - 00	13 - 00	18 - 00	07 - 00	13 - 00	18 - 00
0.32	0.32	1	1005.6	1007.6	1003.6	1010.6	1001.6	-	-	-	-	-	-
1.91	1.27	3	1004.0	1005.7	1001.8	1009.3	997.3	-	-	-	-	-	-
1.11	0.48	3	1004.6	1006.5	1002.2	1009.3	998.6	-	-	-	-	-	-
1.59	1.59	1	1006.0	1008.1	1003.8	1010.6	1001.3	-	-	-	-	-	-
5.06	3.48	2	1006.4	1008.1	1004.1	1010.6	1002.4	-	-	-	-	-	-
2.96	2.64	2	1006.4	1007.8	1004.0	1009.3	1001.3	-	-	-	-	-	-
0.00	0.00	0	1007.3	1008.9	1005.2	1012.0	1002.6	-	-	-	-	-	-
0.00	0.00	0	1007.4	1009.4	1005.4	1012.0	1002.6	-	-	-	-	-	-
0.00	0.00	0	1007.7	1010.1	1005.7	1011.3	1004.0	-	-	-	-	-	-
8.85	4.23	4	1007.4	1009.7	1005.3	1012.0	1003.8	-	-	-	-	-	-
0.96	0.54	2	1005.4	1007.3	1003.2	1009.3	1001.0	-	-	-	-	-	-
3.44	2.16	2	1006.5	1008.8	1004.2	1010.6	1002.6	-	-	-	-	-	-
Total 26.20	-	-	1006.2	1008.2	1004.0	Varios 1012.0	FEB. 997.3	-	-	-	-	-	-

Lat. 07° 08' S. Long. 78° 30' W. de G. Alt. 2,640 mts. s. n. del mar

MESES	T TEMPERATURA EN GRADOS CENTIGRADOS									U HUMEDAD RELATIVA %						EVAPORACION TOTAL EN MILIMETROS	TENSION MEDIA DEL VAPOR EN MILIMETROS	TOTAL DE HORAS DE SOL	NUBOSIDAD MEDIA
	07 - 00	13 - 00	18 - 00	MEDIA ESTARTA	MAXIMA MEDIA	MINIMA MEDIA	OSCILACION	MAXIMA ABSOLUTA	MINIMA ABSOLUTA	07 - 00	13 - 00	18 - 00	MEDIA ESTARTA	MAXIMA MEDIA	MINIMA MEDIA				
ENE.	8.3	19.3	14.3	14.2	21.3	7.4	13.9	25.6	1.3	100	52	88	86	100	46	89.8	10.52	-	6
FEB.	9.0	18.0	13.9	12.8	21.0	8.2	12.8	24.0	3.3	100	61	86	89	100	50	85.1	09.93	-	7
MAR.	9.2	20.0	15.7	14.1	22.4	9.1	13.3	25.0	5.0	100	56	87	88	100	46	96.0	10.63	-	7
ABR.	9.4	19.7	15.2	13.6	22.2	8.3	13.9	24.9	3.6	100	53	92	87	100	44	88.1	10.16	-	6
MAY.	9.2	20.7	15.0	13.5	22.2	7.4	14.8	24.8	1.2	98	50	83	83	100	41	101.1	09.64	-	6
JUN.	7.4	20.3	16.3	13.1	22.4	6.1	16.3	24.8	2.0	99	41	66	80	99	36	100.6	09.05	-	5
JUL.	6.5	19.9	15.9	12.7	22.0	5.2	16.8	25.2	0.7	92	30	45	64	94	25	93.5	07.05	-	3
AGO.	7.4	21.0	16.8	13.6	23.0	6.4	16.6	25.3	3.5	88	24	38	54	90	17	106.6	06.31	-	5
SET.	9.8	21.6	16.3	14.0	22.8	7.9	14.9	25.0	4.0	92	34	56	67	98	26	101.3	08.03	-	6
OCT.	9.7	20.2	15.7	13.9	21.7	8.3	13.4	26.4	3.6	93	38	67	72	96	29	87.3	08.58	-	6
NOV.	8.4	20.5	15.4	13.4	22.2	6.9	15.3	25.0	1.0	100	33	71	76	100	25	101.4	08.76	-	5
DIC.	9.3	20.1	14.7	13.3	22.8	8.0	14.8	25.0	2.0	100	45	81	82	100	30	117.3	09.23	-	6
Media Anual	8.6	20.1	15.4	13.5	22.1	7.4	14.7	OCT. 26.4	JUL. 0.7	97	44	72	77	99	34	-	09.00	-	6

RR CANTIDAD DE LLUVIA (EN MILIMETROS)			PPP PRESION ATMOSFERICA (EN MILIBARES)					dd DIRECCION Y FUERZA DEL VIENTO (EN N/h.)			FENOMENOS DIVERSOS		
TOTAL MENSUAL	MAXIMA EN 24 HORAS	NUMERO DE DIAS CON:	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA	MAXIMA ABSOLUTA	MINIMA ABSOLUTA	07 - 00	13 - 00	18 - 00	TEMPESTAD ELECTRICA	GRANIZO	NIEBLA
52.30	9.65	9	736.0	737.6	734.0	738.9	732.0	C - 0	W - 1	W - 2	-	-	-
148.45	44.96	15	736.4	738.4	733.8	739.5	730.7	C - 0	W - 1	W - 1	-	-	-
72.13	19.81	11	736.5	737.9	733.9	739.7	732.0	C - 0	W - 1	W - 2	-	-	-
62.90	14.22	10	737.1	738.5	734.5	740.0	733.5	C - 0	E - 2	E - 2	-	-	-
47.51	11.43	13	737.3	738.7	734.9	740.0	732.5	C - 0	E - 2	E - 2	-	-	-
18.29	8.64	3	737.2	738.3	734.8	739.8	733.3	C - 0	E - 2	E - 2	-	-	-
0.00	0.00	0	737.1	738.3	734.7	739.3	733.3	C - 0	E - 2	E - 3	-	-	-
0.76	0.76	1	737.2	738.7	734.7	740.0	733.3	C - 0	N - 2	W - 1	-	-	-
21.08	9.91	5	736.8	738.3	734.3	739.8	733.3	C - 0	N - 1	SW - 1	-	-	-
98.78	12.70	14	738.3	739.8	736.0	745.1	732.2	C - 0	E - 2	C - 0	-	-	-
64.27	16.25	12	741.3	742.7	739.3	744.0	737.3	C - 0	S - 2	S - 2	-	-	-
151.23	34.29	15	741.5	742.8	739.7	744.0	738.1	C - 0	E - 2	E - 2	-	-	-
Total 737.70	-	-	737.7	739.2	735.4	OCT. 745.1	FEB. 730.7	C - 0	E - 2	E - 2	-	-	

Lat. 07° 15' S. Long. 79° 29' W. de G. Alt. 100 ms. s. n. del mar

MESES	T TEMPERATURA EN GRADOS CENTIGRADOS									U HUMEDAD RELATIVA %						EVAPORACION TOTAL EN MILIMETROS	TENSION MEDIA DEL VAPOR EN MILIMETROS	TOTAL DE HORAS DE SOL	NUBOSIDAD MEDIA EN OCTAVOS
	07 - 00	13 - 00	18 - 00	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA	OSCILACION	MAXIMA ABSOLUTA	MINIMA ABSOLUTA	07 - 00	13 - 00	18 - 00	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA				
ENE.	19.8	28.4	27.4	-	29.6	17.7	11.9	31.7	15.0	89	58	59	-	-	-	-	-	-	5
FEB.	19.6	28.7	27.5	-	30.3	17.5	12.8	31.7	15.7	91	55	57	-	-	-	-	-	-	5
MAR.	20.8	29.1	27.9	-	30.0	18.8	11.2	31.4	17.0	88	56	58	-	-	-	-	-	-	4
ABR.	21.3	29.7	26.2	-	29.9	19.6	10.3	31.0	18.3	81	53	61	-	-	-	-	-	-	4
MAY.	20.9	27.4	24.4	-	27.9	19.1	8.8	30.5	17.5	82	60	66	-	-	-	-	-	-	5
JUN.	20.2	26.1	23.9	-	26.4	18.1	8.3	28.5	15.5	82	62	65	-	-	-	-	-	-	5
JUL.	18.5	25.2	23.0	-	25.9	15.8	10.1	29.0	13.0	82	64	67	-	-	-	-	-	-	5
AGO.	18.3	24.7	22.7	-	25.5	14.8	10.7	26.5	13.0	83	62	66	-	-	-	-	-	-	4
SET.	17.8	25.4	21.8	-	25.7	15.0	10.7	27.0	14.0	83	57	68	-	-	-	-	-	-	4
OCT.	19.1	26.1	22.5	-	26.5	16.2	10.3	28.9	15.0	83	60	66	-	-	-	-	-	-	5
NOV.	19.0	26.4	24.0	-	26.9	16.1	10.8	29.3	14.2	83	60	61	-	-	-	-	-	-	5
DIC.	20.2	28.3	25.1	-	28.7	17.1	11.6	30.7	16.0	81	56	61	-	-	-	-	-	-	5
Media Anual	19.6	27.1	24.7	-	27.8	17.2	10.6	Varios 31.7	Varios 13.0	84	58	63	-	-	-	-	-	-	5

L U P E

RR cCANTIDAD DE LLUVIA (EN MILIMETROS)			PPP PRESION ATMOSFERICA (EN MILIBARES)					dd DIRECCION Y FUERZA DEL VIENTO (EN N/h.)			FENOMENOS DIVERSOS		
TOTAL MENSUAL	MAXIMA EN 24 HORAS	NUMERO DE DIAS CON:	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA	MAXIMA ABSOLUTA	MINIMA ABSOLUTA	07 - 00	13 - 00	18 - 00	TEMPESTAD ELECTRICA	GRANIZO	NIEBLA
0.00	0.00	0	-	-	-	-	-	C - 0	C - 0	S - 2	-	-	-
0.08	0.08	1	-	-	-	-	-	C - 0	C - 0	S - 2	-	-	-
0.02	0.02	1	-	-	-	-	-	C - 0	C - 0	S - 2	-	-	-
3.50	2.20	2	-	-	-	-	-	C - 0	SE- 1	SE- 2	-	-	-
0.40	0.30	2	-	-	-	-	-	C - 0	C - 0	SE- 2	-	-	-
0.00	0.00	0	-	-	-	-	-	C - 0	C - 0	SE- 2	-	-	-
0.00	0.00	0	-	-	-	-	-	C - 0	C - 0	SE- 1	-	-	-
0.00	0.00	0	-	-	-	-	-	C - 0	C - 0	SE- 2	-	-	-
0.00	0.00	0	-	-	-	-	-	C - 0	C - 0	SE- 2	-	-	-
3.20	1.10	5	-	-	-	-	-	C - 0	C - 0	SE- 2	-	-	-
5.80	3.10	3	-	-	-	-	-	C - 0	SE- 1	SE- 2	-	-	-
6.18	3.38	4	-	-	-	-	-	C - 0	SE- 2	SE- 2	-	-	-
Total 19.18	-	-	-	-	-	-	-	C - 0	C - 0	SE- 2	-	-	-

Lat. 07° 41' S. Long. 79° 26' W. de G. Alt. 4 ms. s. n. del mar

MESES	T TEMPERATURA EN GRADOS CENTIGRADOS									U HUMEDAD RELATIVA %						EVAPORACION TOTAL EN MILIMETROS	TENSION MEDIA DEL VAPOR EN MILIMETROS	TOTAL DE HORAS DE SOL	NEBULOSIDAD MEDIA EN OCTAVOS
	07 - 00	13 - 00	18 - 00	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA	OSCILACION	MAXIMA ABSOLUTA	MINIMA ABSOLUTA	07 - 00	13 - 00	18 - 00	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA				
ENE.	-	-	-	-	24.2	20.0	4.2	25.0	19.0	-	-	-	-	-	-	-	-	-	-
FEB.	-	-	-	-	23.1	19.6	3.5	24.5	18.5	-	-	-	-	-	-	-	-	-	-
MAR.	-	-	-	-	24.3	20.8	3.5	26.0	19.0	-	-	-	-	-	-	-	-	-	-
ABR.	-	-	-	-	23.5	20.9	2.6	25.5	19.0	-	-	-	-	-	-	-	-	-	-
MAY.	-	-	-	-	23.9	20.9	3.0	25.5	19.0	-	-	-	-	-	-	-	-	-	-
JUN.	-	-	-	-	24.0	21.2	2.8	25.0	20.0	-	-	-	-	-	-	-	-	-	-
JUL.	-	-	-	-	23.1	20.1	3.0	25.0	18.5	-	-	-	-	-	-	-	-	-	-
AGO.	-	-	-	-	23.0	19.1	3.9	25.0	18.0	-	-	-	-	-	-	-	-	-	-
SET.	-	-	-	-	23.6	17.5	6.1	25.0	16.5	-	-	-	-	-	-	-	-	-	-
OCT.	-	-	-	-	24.0	17.7	6.3	25.0	17.7	-	-	-	-	-	-	-	-	-	-
NOV.	-	-	-	-	24.5	18.5	6.0	26.0	17.5	-	-	-	-	-	-	-	-	-	-
DIC.	-	-	-	-	25.2	19.6	5.6	27.0	18.0	-	-	-	-	-	-	-	-	-	-
Media Anual	-	-	-	-	23.8	19.6	4.2	DIC. 27.0	SET. 16.5	-	-	-	-	-	-	-	-	-	-

RR CANTIDAD DE LLUVIA (EN MILIMETROS)			PPP PRESION ATMOSFERICA (EN MILIBARES)					dd DIRECCION Y FUERZA DEL VIENTO (EN N/h.)			FENOMENOS DIVERSOS		
TOTAL MENSUAL	MAXIMA EN 24 HORAS	NUMERO DE DIAS CON:	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA	MAXIMA ABSOLUTA	MINIMA ABSOLUTA	07 - 00	13 - 00	18 - 00	TEMPESTAD ELECTRICA	GRANIZO	NIEBLA
V	V	2	-	-	-	-	-	SE- 1	-	SE- 3	-	-	7
-	-	-	-	-	-	-	-	SE- 1	-	SE- 4	-	-	7
V	V	1	-	-	-	-	-	SE- 1	-	SE- 3	-	-	1
V	V	1	-	-	-	-	-	SE- 1	-	SE- 4	-	-	-
V	V	2	-	-	-	-	-	SE- 1	-	SE- 3	-	-	-
V	V	2	-	-	-	-	-	S - 1	-	SW- 3	-	-	-
-	-	-	-	-	-	-	-	S - 1	-	S - 3	-	-	-
-	-	-	-	-	-	-	-	S - 1	-	S - 4	-	-	-
-	-	-	-	-	-	-	-	S - 1	-	S - 4	-	-	-
V	V	5	-	-	-	-	-	S - 1	-	S - 3	-	-	-
V	V	1	-	-	-	-	-	SE- 1	-	SE- 3	-	-	-
V	V	1	-	-	-	-	-	SE- 1	-	SE- 3	-	-	-
Total V	-	-	-	-	-	-	-	SE- 1	-	S - 4	-	-	-

Lat. 07° 44' S. Long. 79° 11' W. de G Alt. 158 mts. s. n. del mar

MESES	T TEMPERATURA EN GRADOS CENTIGRADOS									U HUMEDAD RELATIVA %						EVAPORACION TOTAL EN MILIMETROS	TENSION MEDIA DEL VAPOR EN MILIMETROS	TOTAL DE HORAS DE SOL	NUBOSIDAD MEDIA EN OCTAVOS
	07 - 00	13 - 00	18 - 00	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA	OSCILACION	MAXIMA ABSOLUTA	MINIMA ABSOLUTA	07 - 00	13 - 00	18 - 00	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA				
ENE.	-	-	-	-	30.7	17.1	13.6	33.0	15.0	-	-	-	-	-	-	90.4	-	225	7
FEB.	-	-	-	-	30.7	16.3	14.4	32.0	13.6	-	-	-	-	-	-	79.0	-	215	7
MAR.	-	-	-	-	29.9	17.1	12.8	31.4	15.1	-	-	-	-	-	-	74.1	-	229	7
ABR.	-	-	-	-	29.2	16.6	12.6	31.4	13.8	-	-	-	-	-	-	69.6	-	232	5
MAY.	-	-	-	-	27.9	16.3	11.6	30.0	12.4	-	-	-	-	-	-	56.3	-	152	6
JUN.	-	-	-	-	27.5	15.4	12.1	29.8	9.9	-	-	-	-	-	-	49.3	-	140	6
JUL.	-	-	-	-	26.3	15.5	10.8	29.2	10.1	-	-	-	-	-	-	48.5	-	128	6
AGO.	-	-	-	-	26.2	14.8	11.4	27.4	11.0	-	-	-	-	-	-	53.9	-	169	-
SET.	-	-	-	-	26.0	14.2	11.8	27.8	12.1	-	-	-	-	-	-	61.7	-	206	4
OCT.	-	-	-	-	26.9	15.5	11.4	29.3	12.0	-	-	-	-	-	-	64.7	-	173	6
NOV.	-	-	-	-	27.4	16.2	11.2	29.3	12.6	-	-	-	-	-	-	70.1	-	162	7
DIC.	-	-	-	-	29.0	16.8	12.2	30.0	14.5	-	-	-	-	-	-	87.9	-	242	6
Media Anual	-	-	-	-	28.1	16.0	12.1	ENE. 33.0	JUN. 9.9	-	-	-	-	-	-	-	-	-	6

RR CANTIDAD DE LLUVIA (EN MILIMETROS)			PPP PRESION ATMOSFERICA (EN MILIBARES)					dd DIRECCION Y FUERZA DEL VIENTO (EN N/h.)			FENOMENOS DIVERSOS		
TOTAL MENSUAL	MAXIMA EN 24 HORAS	NUMERO DE DIAS CON:	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA	MAXIMA ABSOLUTA	MINIMA ABSOLUTA	07 - 00	13 - 00	18 - 00	TEMPESTAD ELECTRICA	GRANIZO	NIEBLA
0.80	0.60	2	-	995.4	994.8	997.2	992.4	-	-	-	-	-	6
1.20	1.00	2	-	994.8	993.8	996.1	989.6	-	-	-	-	-	6
V	V	1	-	994.6	994.0	998.6	990.8	-	-	-	-	-	1
0.50	0.50	1	-	994.9	994.4	996.9	992.0	-	-	-	-	-	-
V	V	6	-	996.2	995.7	998.2	994.1	-	-	-	-	-	-
0.20	0.20	1	-	995.8	995.4	998.1	994.0	-	-	-	-	-	-
V	V	8	-	996.6	995.6	997.8	993.3	-	-	-	-	-	-
V	V	7	-	996.0	995.6	997.6	994.8	-	-	-	-	-	1
V	V	5	-	996.9	996.4	998.4	995.4	-	-	-	-	-	-
V	V	1	-	996.2	995.8	997.3	994.6	-	-	-	-	-	-
0.50	0.50	1	-	995.7	995.4	996.9	993.8	-	-	-	-	-	-
4.10	2.50	3	-	995.2	995.0	996.8	993.4	-	-	-	-	-	-
Total 7.30	-	-	-	995.7	995.2	MAR. 998.6	FEB. 989.6	-	-	-	-	-	-

C A R

Lat. 07° 55' S. Long. 79° 10' W. de G. Alt. 80 mts. s. n. del mar

MESES	T TEMPERATURA EN GRADOS CENTIGRADOS									U HUMEDAD RELATIVA %						EVAPORACION TOTAL EN MILIMETROS	TENSION MEDIA DEL VAPOR EN MILIMETROS	TOTAL DE HORAS DE SOL	NUBOSIDAD MEDIA EN OCTAVOS
	07 - 00	13 - 00	18 - 00	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA	OSCILACION	MAXIMA ABSOLUTA	MINIMA ABSOLUTA	07 - 00	13 - 00	18 - 00	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA				
ENE.	17.3	24.6	20.6	20.3	25.5	16.9	8.6	28.0	14.2	86	58	69	76	89	58	172.5	13.59	218	5
FEB.	17.3	22.2	19.7	19.3	24.6	15.7	8.9	26.2	12.2	87	61	74	77	87	59	128.5	12.94	188	5
MAR.	18.6	25.0	21.1	21.1	25.6	18.0	7.6	28.0	16.0	87	62	76	77	88	60	166.5	14.46	204	5
ABR.	19.2	25.0	20.8	21.2	25.7	18.1	7.6	27.5	15.9	87	59	80	77	90	58	169.0	14.55	202	3
MAY.	18.4	24.7	20.5	20.8	25.0	18.1	6.9	29.0	16.2	86	64	77	77	87	63	143.5	14.20	152	5
JUN.	17.7	24.3	20.3	20.1	24.6	17.4	7.2	27.5	12.0	87	62	75	77	87	60	121.0	13.60	134	5
JUL.	16.6	22.6	19.3	18.7	22.8	16.0	6.8	25.5	10.0	84	65	73	77	86	63	126.5	12.46	126	5
AGO.	15.2	22.0	17.8	17.7	22.2	14.7	7.5	24.2	12.0	86	63	74	77	87	61	154.5	11.70	157	4
SET.	14.6	20.8	16.5	16.7	21.0	13.9	7.1	22.8	12.0	86	65	76	78	87	63	146.5	11.13	197	4
OCT.	15.5	21.3	17.3	17.4	21.8	14.9	6.9	25.2	13.0	87	64	70	79	88	63	148.0	11.78	172	5
NOV.	17.2	22.2	18.5	18.7	22.9	15.7	7.2	24.5	12.0	85	62	76	77	88	61	166.8	12.46	184	5
DIC.	18.3	24.6	20.2	20.2	24.7	17.5	7.2	26.0	15.2	85	59	74	74	86	58	205.0	13.15	228	3
Media Anual	17.2	23.3	19.4	19.4	23.8	16.4	7.4	MAY. 29.0	JUL. 10.0	86	62	74	77	88	60	-	13.00	-	4

T A V I O

RR CANTIDAD DE LLUVIA (EN MILIMETROS)			PPP PRESION ATMOSFERICA (EN MILIBARES)					dd DIRECCION Y FUERZA DEL VIENTO (EN N/h.)			FENOMENOS DIVERSOS		
TOTAL MENSUAL	MAXIMA EN 24 HORAS	NUMERO DE DIAS CON:	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA	MAXIMA ABSOLUTA	MINIMA ABSOLUTA	07 - 00	13 - 00	18 - 00	TEMPESTAD ELECTRICA	GRANIZO	NIEBLA
2.79	2.00	3	1011.2	1012.8	1009.6	1015.3	1007.7	NW- 9	NW-20	SW-19	-	-	-
0.00	0.00	0	1009.9	1011.5	1008.2	1014.0	1004.7	NW- 8	NW-15	NW-21	-	-	-
0.51	0.51	1	1009.6	1011.1	1007.7	1012.7	1005.3	SW- 9	NW-21	NW-24	-	-	-
0.00	0.00	0	1010.5	1012.0	1008.7	1013.2	1006.4	SW-13	NW-25	SW-20	-	-	-
0.00	0.00	0	1012.0	1013.3	1010.3	1015.3	1008.2	SW-12	SW-18	SW-20	-	-	-
0.40	0.40	1	1011.6	1012.8	1010.0	1014.7	1007.3	SW-12	SW-16	SW-18	-	-	-
0.00	0.00	0	1011.7	1013.1	1010.3	1015.3	1008.0	NW- 7	NW-12	NW-18	-	-	-
0.00	0.00	0	1011.8	1013.2	1010.1	1014.4	1008.7	SW- 7	NW-20	NW-25	-	-	-
0.00	0.00	0	1012.1	1013.5	1010.4	1014.7	1009.3	SW-10	NW-22	NW-27	-	-	-
11.04	9.91	3	1012.2	1013.7	1010.7	1014.9	1009.3	SW-12	NW-22	NW-26	-	-	-
1.78	1.00	2	1011.8	1013.1	1010.1	1014.7	1009.3	-	-	-	-	-	-
0.63	0.63	1	1011.5	1012.9	1009.9	1014.0	1008.0	SW-15	SW-26	SW-30	-	-	-
Total 17.15	-	-	1011.3	1012.8	1009.7	Varios 1015.3	FEB. 1004.7	SW-11	NW-20	NW-24	-	-	-

Lat. 08° 55' S. Long. 77° 18' W. de G. Alt. 3,350 mts. s. n. del mar

MESES	T TEMPERATURA EN GRADOS CENTIGRADOS									U HUMEDAD RELATIVA %						EVAPORACION TOTAL EN MILIMETROS	TENSION MEDIA DEL VAPOR EN MILIMETROS	TOTAL DE HORAS DE SOL	NUBOSIDAD MEDIA EN OCTAVOS
	07 - 00	13 - 00	18 - 00	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA	OSCILACION	MAXIMA ABSOLUTA	MINIMA ABSOLUTA	07 - 00	13 - 00	18 -000	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA				
ENE.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FEB.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MAR.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ABR.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MAY.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JUN.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JUL.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AGO.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SET.	8.0	18.9	14.3	12.3	21.1	6.8	14.3	26.8	4.2	66	34	38	50	68	27	-	05.36	-	5
OCT.	8.5	18.5	14.1	12.1	21.4	6.3	15.1	28.0	3.6	66	37	40	50	67	29	-	05.30	-	5
NOV.	9.6	18.4	13.3	12.0	20.8	6.7	14.1	30.0	5.3	59	33	36	48	60	24	-	05.05	-	5
DIC.	10.4	16.9	12.5	11.6	20.2	6.7	13.5	25.7	3.8	51	26	35	39	54	18	-	04.00	-	6
Media Anual	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

B A M B A

RR CANTIDAD DE LLUVIA (EN MILIMETROS)			PPP PRESION ATMOSFERICA (EN MILIBARES)					dd DIRECCION Y FUERZA DEL VIENTO (EN N/h.)			FENOMENOS DIVERSOS		
TOTAL MENSUAL	MAXIMA EN 24 HORAS	NUMERO DE DIAS CON:	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA	MAXIMA ABSOLUTA	MINIMA ABSOLUTA	07 - 00	13 - 00	18 - 00	TEMPESTAD ELECTRICA	GRANIZO	NIEBLA
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
42.90	17.30	11	689.3	692.8	688.7	696.4	686.7	N - 1	S - 3	E - 4	1	-	-
67.10	11.70	14	689.3	692.8	688.0	695.6	685.2	S - 2	S - 2	NE- 6	1	-	4
141.50	15.20	20	689.7	691.2	687.6	693.2	684.2	S - 2	SW- 2	N - 4	3	1	3
188.30	17.40	24	689.1	691.7	688.2	693.2	686.8	W - 2	S - 2	N - 6	4	1	7
Total 439.80	-	-	-	-	-	-	-	-	-	-	-	-	-

T I N G O

Lat. 09° 09' S. Long. 75° 53' W. de G. Alt. 670 mts. s. n. del mar

MESES	T TEMPERATURA EN GRADOS CENTIGRADOS									U HUMEDAD RELATIVA %						EVAPORACION TOTAL EN MILIMETROS	TENSION MEDIA DEL VAPOR EN MILIMETROS	TOTAL DE HORAS DE SOL	NUBOSIDAD MEDIA EN OCTAVOS
	07 - 00	13 - 00	18 - 00	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA	OSCILACION	MAXIMA ABSOLUTA	MINIMA ABSOLUTA	07 - 00	13 - 00	18 - 00	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA				
ENE.	19.5	25.7	23.2	21.8	27.4	19.3	8.1	31.5	18.0	100	75	99	92	100	65	-	18.03	129	7
FEB.	19.3	25.2	23.1	21.5	27.0	19.0	8.0	30.0	18.0	100	78	98	92	100	71	-	17.71	127	7
MAR.	20.9	27.4	23.5	22.8	28.8	19.8	9.0	31.0	18.5	100	69	100	91	100	60	-	18.96	164	7
ABR.	19.5	26.8	23.2	22.1	28.7	19.2	9.5	31.0	17.5	100	68	99	91	100	63	-	18.17	184	6
MAY.	-	-	-	22.4	29.1	18.7	10.4	33.0	17.5	-	-	-	82	100	58	-	16.67	207	6
JUN.	-	-	-	21.9	29.0	17.8	11.2	31.8	17.0	-	-	-	83	100	45	-	16.37	229	6
JUL.	-	-	-	21.7	29.2	17.2	12.0	31.9	17.0	-	-	-	80	100	43	-	15.58	227	6
AGO.	-	-	-	23.0	30.5	18.7	11.8	33.2	17.5	-	-	-	80	99	43	-	16.87	206	6
SET.	-	-	-	23.6	31.3	19.9	11.4	35.0	17.0	-	-	-	80	99	41	-	17.50	195	6
OCT.	-	-	-	24.0	30.9	20.1	10.8	34.0	17.5	-	-	-	83	99	45	-	18.59	217	6
NOV.	-	-	-	24.3	30.1	21.1	9.0	33.0	19.0	-	-	-	83	99	52	-	18.93	149	7
DIC.	-	-	-	23.9	30.0	20.5	9.5	32.8	19.0	-	-	-	87	99	49	-	19.37	172	7
Media Anual	-	-	-	22.8	29.3	19.3	10.0	SET. 35.0	Varios 17.0	-	-	-	85	99	53	-	17.73	-	6

M A R I A

RR CANTIDAD DE LLUVIA (EN MILIMETROS)			PPP PRESION ATMOSFERICA (EN MILIBARES)					dd DIRECCION Y FUERZA DEL VIENTO (EN N/h.)			FENOMENOS DIVERSOS		
TOTAL MENSUAL	MAXIMA EN 24 HORAS	NUMERO DE DIAS CON:	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA	MAXIMA ABSOLUTA	MINIMA ABSOLUTA	07 - 00	13 - 00	18 - 00	TEMPESTAD ELECTRICA	GRANIZO	NIEBLA
487.30	70.50	23	939.5	942.0	936.8	946.0	934.0	-	-	-	-	-	-
246.00	61.00	21	939.7	942.3	937.3	944.9	934.0	-	-	-	3	-	1
529.50	66.00	19	938.9	941.6	933.2	944.0	932.7	-	-	-	3	-	1
196.50	43.00	19	941.3	944.5	939.2	948.7	936.0	-	-	-	3	-	7
105.00	36.00	10	942.4	944.5	940.0	950.0	940.0	-	-	-	2	-	-
107.00	24.00	13	943.8	946.3	941.5	950.1	940.0	-	-	-	-	-	-
56.50	11.80	6	945.9	948.2	943.2	951.3	940.7	-	-	-	-	-	1
97.00	23.00	8	944.4	947.5	941.3	950.7	938.0	-	-	-	-	-	-
182.00	50.00	14	943.2	946.5	940.7	949.3	938.0	-	-	-		-	1
228.00	52.30	16	942.1	945.5	939.5	948.9	936.0	-	-	-	3	-	1
302.00	48.50	18	941.6	944.1	938.7	947.2	935.3	-	-	-	-	-	-
491.00	56.00	21	942.8	946.7	940.1	947.3	937.3	-	-	-	-	-	-
Total 3,027.80	-	-	942.1	945.0	939.3	JUL. 951.3	MAR. 932.7	-	-	-	-	-	-

H U A

Lat. 09° 31' S. Long. 77° 32' W. de G. Alt. 3,207 mts. s. n. del mar

MESES	T TEMPERATURA EN GRADOS CENTIGRADOS									U HUMEDAD RELATIVA %						EVAPORACION TOTAL EN MILIMETROS	TENSION MEDIA DEL VAPOR EN MILIMETROS	TOTAL DE HORAS DE SOL	NUBOSIDAD MEDIA EN OCTAVOS
	07 - 00	13 - 00	18 - 00	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA	OSCILACION	MAXIMA ABSOLUTA	MINIMA ABSOLUTA	07 - 00	13 - 00	18 - 00	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA				
ENE.	9.0	18.7	14.0	12.0	20.7	7.2	13.5	23.2	4.0	86	32	49	64	95	26	-	06.73	251	7
FEB.	9.0	17.5	12.6	11.2	19.2	8.0	11.2	23.2	4.4	92	38	63	72	95	33	-	07.18	209	8
MAR.	9.4	18.8	13.0	12.3	20.1	7.1	13.0	24.2	4.7	91	37	59	68	95	31	-	07.30	263	7
ABR.	8.3	19.9	14.7	12.5	21.8	6.3	15.5	23.8	1.9	91	29	44	64	94	25	-	06.96	305	5
MAY.	6.4	21.0	15.0	11.6	22.6	4.0	18.6	24.2	0.6	85	23	34	56	91	21	-	05.74	339	4
JUN.	5.4	20.7	15.6	11.2	22.8	3.3	19.5	24.4	-0.1	68	17	23	42	71	14	-	04.19	322	3
JUL.	4.1	20.6	15.8	11.0	23.0	1.9	21.1	25.0	0.6	59	14	18	36	63	12	-	03.55	337	2
AGO.	5.3	21.8	16.3	11.6	23.7	2.8	20.9	25.6	0.1	59	17	21	37	61	14	-	03.79	336	2
SET.	7.6	22.4	16.4	12.6	24.4	4.6	19.8	26.8	3.0	61	18	27	40	67	15	-	04.38	319	3
OCT.	9.4	21.0	14.5	12.3	22.7	5.9	16.8	25.6	3.0	61	23	42	48	74	19	-	05.15	252	6
NOV.	9.8	19.1	12.7	11.4	20.7	6.2	14.5	25.1	3.3	80	34	65	66	92	29	-	06.67	230	5
DIC.	10.5	19.3	13.7	12.4	21.1	9.8	11.3	24.0	5.0	86	34	63	67	93	29	-	07.24	234	6
Media Anual	7.8	20.1	14.6	11.8	21.9	5.6	16.3	SET. 26.8	JUN. -0.1	76	26	42	55	82	22	-	05.74	-	5

R A Z

RR CANTIDAD DE LLUVIA (EN MILIMETROS)			PPP PRESION ATMOSFERICA (EN MILIBARES)					dd DIRECCION Y FUERZA DEL VIENTO (EN N/h.)			FENOMENOS DIVERSOS		
TOTAL MENSUAL	MAXIMA EN 24 HORAS	NUMERO DE DIAS CON:	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA	MAXIMA ABSOLUTA	MINIMA ABSOLUTA	07 - 00	13 - 00	18 - 00	TEMPESTAD ELECTRICA	GRANIZO	NIEBLA
62.50	19.30	17	708.4	709.5	706.7	710.7	705.6	C - 0	WNW- 6	WNW- 5	1	-	-
96.90	12.10	22	708.0	708.9	706.5	710.4	704.8	C - 0	WNW- 6	C - 0	-	-	2
138.20	20.10	20	708.0	709.5	706.8	710.4	705.7	C - 0	WNW-11	C - 0	-	-	2
65.90	15.80	18	708.8	709.9	706.9	710.7	706.1	C - 0	WNW- 9	WSW- 9	1	-	1
23.10	25.40	5	709.3	710.5	707.3	711.5	705.9	C - 0	WNW-10	WSW-10	-	-	-
6.30	4.90	3	709.5	710.9	707.8	712.0	706.7	C - 0	WNW-11	WNW-11	-	-	-
0.00	0.00	0	710.1	711.3	708.1	712.5	706.7	C - 0	WNW-11	WNW-11	-	-	-
V	V	1	710.1	711.3	707.8	712.0	706.9	C - 0	WNW- 7	WSW-15	-	-	-
0.30	0.30	3	709.7	711.1	707.6	712.0	706.7	C - 0	WNW-10	WSW-13	-	-	-
66.10	33.00	14	709.6	710.9	707.7	712.0	706.7	C - 0	WNW-11	WNW- 9	1	-	3
122.90	16.00	22	709.3	710.5	707.8	711.3	706.7	C - 0	WNW-10	C - 0	1	-	4
107.20	17.80	24	709.6	710.5	708.0	711.6	706.5	C - 0	WNW- 8	W - 5	1	-	-
Total 694.40	-	-	709.2	710.4	707.4	J U L. 712.5	F E B 704.6	C - 0	WNW- 9	WSW-12	-	-	-

H U A

Lat. 09° 54' S. Long. 75° 45' W. de G. Alt. 1,912 mts. s. n. del mar

M E S E S	T TEMPERATURA EN GRADOS CENTIGRADOS									U HUMEDAD RELATIVA %						EVAPORACION TOTAL EN MILIMETROS	TENSION MEDIA DEL VAPOR EN MILIMETROS	TOTAL DE HORAS DE SOL	NUBOSIDAD MEDIA EN OCTAVOS
	07 - 00	13.- 00	18 - 00	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA	OSCILACION	MAXIMA ABSOLUTA	MINIMA ABSOLUTA	07 - 00	13 - 00	18 - 00	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA				
ENE.	15.2	23.0	20.0	18.6	25.2	14.2	11.0	28.3	13.0	100	52	65	80	100	47	83.7	12.86	-	7
FEB.	14.7	21.8	20.1	18.3	25.4	14.0	11.4	28.1	11.0	100	51	62	81	100	44	68.5	12.78	-	7
MAR	15.7	23.7	20.9	19.2	26.5	14.8	11.7	29.0	12.8	100	51	60	79	100	43	79.4	13.19	-	7
ABR.	14.5	24.0	20.1	18.6	26.2	13.6	12.6	28.7	10.2	100	47	62	78	100	40	82.9	12.54	-	6
MAY.	13.8	24.9	20.4	18.6	26.9	12.8	14.1	29.1	9.0	100	39	55	73	100	36	94.2	11.74	-	5
JUN.	11.1	24.6	19.9	17.6	26.4	10.3	16.1	28.8	4.5	100	36	51	72	100	33	87.5	10.87	-	4
JUL.	9.3	24.7	20.1	17.0	26.4	8.4	18.0	28.8	5.0	100	30	45	69	100	28	99.6	10.01	-	2
AGO.	11.5	24.1	20.1	18.2	25.9	11.0	14.9	28.2	6.9	99	41	54	72	100	38	85.7	11.12	-	3
SET.	14.6	25.2	21.2	19.7	27.5	13.3	14.2	30.7	10.3	100	43	53	71	100	38	103.6	12.19	-	5
OCT.	14.9	25.0	20.6	19.5	27.4	13.4	14.0	30.7	8.0	100	48	63	76	100	41	115.4	12.75	-	6
NOV.	16.2	24.2	20.6	19.5	26.9	14.6	12.3	30.1	12.0	100	52	68	80	100	45	81.0	13.48	-	6
DIC.	16.0	24.7	21.3	19.8	27.5	14.6	12.9	30.2	12.2	100	50	60	78	100	42	86.0	13.48	-	6
Media Anual	14.0	24.2	20.4	18.7	26.5	12.9	13.6	Varios 30.7	JUN. 4.5	100	45	58	76	100	40	-	12.25	-	5

N U C O

RR CANTIDAD DE LLUVIA (EN MILIMETROS)			PPP PRESION ATMOSFERICA (EN MILIBARES)					dd DIRECCION Y FUERZA DEL VIENTO (EN N/h.)			FENOMENOS DIVERSOS		
TOTAL MENSUAL	MAXIMA EN 24 HORAS	NUMERO DE DIAS CON:	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA	MAXIMA ABSOLUTA	MINIMA ABSOLUTA	07 - 00	13 - 00	18 - 00	TEMPESTAD ELECTRICA	GRANIZO	NIEBLA
60.70	12.70	22	-	-	-	-	-	C - 0	NNE- 8	NNW- 7	-	-	-
40.90	9.40	20	-	-	-	-	-	C - 0	N - 7	NNW- 6	-	-	-
48.25	8.38	23	-	-	-	-	-	C - 0	N - 7	NNW- 6	-	-	-
34.02	8.13	16	-	-	-	-	-	C - 0	N - 7	NNW- 6	-	-	-
2.04	1.02	9	-	-	-	-	-	C - 0	N - 6	NNW- 8	-	-	-
12.44	6.10	8	-	-	-	-	-	C - 0	N - 6	NNW- 7	1	-	-
2.03	2.03	1	-	-	-	-	-	C - 0	NNW- 6	N - 7	-	-	-
2.54	1.52	3	-	-	-	-	-	SW- 1	NNE-11	NNE-10	-	-	-
2.53	1.52	6	-	-	-	-	-	C - 0	NNE-10	NNE- 8	-	-	-
40.60	19.04	12	-	-	-	-	-	C - 0	NNE- 8	NNE- 6	1	-	-
31.20	9.65	14	-	-	-	-	-	C - 0	NNE-11	N - 8	-	-	1
34.02	6.10	22	-	-	-	-	-	C - 0	NNE-11	N - 8	-	-	-
Total 311.27	-	-	-	-	-	-	-	C - 0	NNE-10	NNW- 6	-	-	-

C E R R O

Lat. 10° 55' S. Long. 75° 40' W. de G. Alt. 4,500 mts. s. n. del mar

MESES	T TEMPERATURA EN GRADOS CENTIGRADOS									U HUMEDAD RELATIVA %						EVAPORACION TOTAL EN MILIMETROS	TENSION MEDIA DEL VAPOR EN MILIMETROS	TOTAL DE HORAS DE SOL	NUBOSIDAD MEDIA EN OCTAVOS
	07 - 00	13 - 00	18 - 00	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA	OSCILACION	MAXIMA ABSOLUTA	MINIMA ABSOLUTA	07 - 00	13 - 00	18 - 00	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA				
ENE.	1.0	6.4	3.3	3.3	10.1	0.0	10.1	14.9	-3.3	80	68	84	78	92	54	-	04.52	-	7
FEB.	0.9	6.2	3.0	2.8	8.5	0.5	8.0	12.2	-2.1	84	75	88	83	92	60	-	04.65	-	7
MAR.	1.2	7.3	3.7	3.4	9.7	0.5	9.2	14.2	-1.7	84	73	85	82	92	57	-	04.80	-	7
ABR.	-0.1	7.6	3.2	2.4	9.8	-1.3	11.1	13.2	-6.6	84	59	84	79	92	41	-	04.30	-	6
MAY.	-2.2	7.9	2.5	1.7	9.7	-3.4	13.1	12.6	-7.0	83	47	75	74	89	40	-	03.83	-	4
JUN.	-2.7	7.7	1.2	1.1	8.8	-4.1	12.9	12.2	-7.9	81	45	65	70	90	39	-	03.47	-	4
JUL.	-6.3	8.1	1.1	-2.1	10.2	-7.5	17.6	14.2	-11.1	68	38	44	54	70	24	-	02.08	-	3
AGO.	-4.2	9.4	0.9	5.6	10.9	-7.0	17.9	15.7	-13.2	78	29	49	60	80	20	-	04.09	-	3
SET.	-0.5	8.8	2.2	2.6	11.2	-2.1	13.3	14.2	-6.6	81	44	64	68	84	33	-	03.75	-	5
OCT.	-0.2	7.9	2.3	2.5	9.9	-1.9	11.8	15.4	-6.6	87	57	76	76	88	52	-	04.16	-	6
NOV.	0.7	7.1	2.5	2.8	10.0	-0.8	10.8	15.8	-5.9	81	60	79	75	88	54	-	04.20	-	6
DIC.	1.2	6.1	1.3	2.0	9.0	-1.3	10.3	14.1	-3.8	88	68	79	82	92	54	-	04.34	-	7
Media Anual	-0.9	7.5	2.3	2.3	9.8	-2.4	12.2	NOV. 15.8	AGO. -13.2	82	55	73	73	87	44	-	04.02	-	5

D E P A S C O

RR CANTIDAD DE LLUVIA (EN MILIMETROS)			PPP PRESION ATMOSFERICA (EN MILIBARES)					dd DIRECCION Y FUERZA DEL VIENTO (EN N/h.)			FENOMENOS DIVERSOS		
TOTAL MENSUAL	MAXIMA EN 24 HORAS	NUMERO DE DIAS CON:	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA	MAXIMA ABSOLUTA	MINIMA ABSOLUTA	07 - 00	13 - 00	18 - 00	TEMPESTAD ELECTRICA	GRANIZO	NIEBLA
148.30	22.70	29	599.1	599.7	597.5	601.9	596,4	SE- 1	NE- 5	NE- 2	7	6	-
276.55	48.30	28	598.9	600.0	597.7	601.3	596.0	SE- 1	E - 7	E - 3	4	3	-
134.40	27.30	29	598.8	599.1	597.5	601.6	594.9	S - 1	E - 6	NW- 3	5	2	-
54.40	16.50	21	599.7	600.9	598.7	602.4	597.3	S - 1	E - 7	NE- 4	4	4	-
51.50	12.00	15	600.0	600.9	598.8	602.3	596.7	C - 0	N - 6	N - 3	3	4	7
36.20	15.80	9	600.0	600.5	598.5	601.7	597.1	S - 1	NW- 7	NE- 2	-	2	3
0.00	0.00	0	599.6	600.7	598.7	601.9	597.3	C - 0	NE-12	NE- 3	-	-	14
5.10	2.70	2	597.6	599.8	597.7	601.6	596.0	C - 0	E - 9	NE- 2	-	-	5
27.90	11.40	13	599.2	600.0	597.7	602.9	596.2	E - 1	E - 9	E - 7	-	1	2
56.40	12.60	27	598.3	599.3	597.1	601.6	594.7	C - 0	E - 7	NE- 2	4	2	-
147.70	15.60	24	600.2	601.5	598.9	603.5	595.1	SE- 1	NE- 5	NE- 2	10	8	3
138.20	24.30	27	601.3	602.4	599.8	603.2	598.5	C - C	NE- 2	NE- 2	8	8	-
Total 1,076.65	-	-	599.3	600.4	593.3	NOV. 603.5	OCT. 594.7	C - 0	E - 2	NE- 2	-	-	-

S A N

Lat. 11° 06' S. Long. 75° 18' W. de G. Alt. 800 mts. s. n. del mar

MESES	T TEMPERATURA EN GRADOS CENTIGRADOS									U HUMEDAD RELATIVA %						EVAPORACION TOTAL EN MILIMETROS	TENSION MEDIA DEL VAPOR EN MILIMETROS	TOTAL DE HORAS DE SOL	NUBOSIDAD MEDIA EN OCTAVOS
	07 - 00	13 - 00	18 - 00	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA	OSCILACION	MAXIMA ABSOLUTA	MINIMA ABSOLUTA	07 - 00	13 - 00	18 - 00	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA				
ENE.	20.2	25.7	23.7	-	-	-	-	-	-	91	70	81	-	-	-	-	-	-	-
FEB.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MAR.	20.0	26.2	23.3	-	-	-	-	-	-	89	76	88	-	-	-	-	-	-	-
ABR.	20.0	26.9	23.2	21.0	28.4	17.2	11.2	32.0	14.0	81	70	80	-	-	-	-	-	119	5
MAY.	18.0	27.8	21.5	21.1	28.7	14.9	13.8	31.0	12.9	81	62	73	-	-	-	-	-	197	6
JUN.	19.3	25.5	20.7	20.6	29.9	15.7	14.2	32.0	11.0	80	60	73	-	-	-	-	-	202	4
JUL.	15.3	30.5	24.0	22.4	31.0	13.4	17.6	34.0	9.0	-	-	-	-	-	-	-	-	251	7
AGO.	17.2	30.2	24.8	24.4	32.7	15.8	16.9	35.0	11.6	-	-	-	-	-	-	-	-	203	7
SET.	19.9	30.7	25.5	26.1	33.1	18.6	14.5	36.2	16.0	72	28	52	-	-	-	-	-	189	6
OCT.	21.5	30.0	24.6	25.8	32.8	18.4	14.4	37.8	14.5	86	53	78	-	-	-	-	-	196	6
NOV.	21.1	28.6	24.2	27.0	35.3	18.3	17.0	40.0	15.0	94	64	87	-	-	-	-	-	200	7
DIC.	21.0	27.5	25.2	26.5	33.4	18.8	14.6	42.0	16.8	84	61	79	-	-	-	-	-	202	7
Media Anual	19.4	28.1	23.7	23.9	31.7	16.8	14.9	DIC. 42.0	JUL. 9.0	84	60	77	-	-	-	-	-	-	6

R A M O N

RR CANTIDAD DE LLUVIA (EN MILIMETROS)			PPP PRESION ATMOSFERICA (EN MILIBARES)					dd DIRECCION Y FUERZA DEL VIENTO (EN N/h.)			FENOMENOS DIVERSOS		
TOTAL MENSUAL	MAXIMA EN 24 HORAS	NUMERO DE DIAS CON:	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA	MAXIMA ABSOLUTA	MINIMA ABSOLUTA	07 - 00	13 - 00	18 - 00	TEMPESTAD ELECTRICA	GRANIZO	NIEBLA
-	-	-	-	-	-	-	-	C - 0	NE- 6	C - 0	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
207.00	70.00	11	-	-	-	-	-	C - 0	NE- 5	C - 0	-	-	-
60.00	10.00	17	922.7	925.7	919.1	927.3	910.5	C - 0	NE- 6	C - 0	1	-	-
65.00	10.00	21	921.2	925.7	919.5	928.0	917.7	C - 0	NE- 5	C - 0	-	-	1
114.00	10.00	21	916.8	920.1	914.1	922.9	912.4	C - 0	NE- 7	C - 0	-	-	1
42.00	20.00	17	917.6	920.7	914.4	925.1	912.4	SW- 1	NE- 5	NE- 3	-	-	1
72.00	20.00	13	922.8	926.0	920.0	932.0	915.7	N - 2	N - 6	N - 3	-	-	21
58.00	16.00	9	920.7	924.2	917.2	929.3	914.4	W - 2	N - 5	N - 4	-	-	5
153.00	26.00	19	919.3	922.7	915.8	929.3	910.7	C - 0	N - 3	N - 1	-	-	3
291.00	72.00	21	916.9	921.3	914.3	924.0	909.3	N - 2	N - 3	N - 2	1	-	16
466.00	63.00	26	918.0	921.6	914.4	924.7	911.7	N - 3	N - 4	NW- 5	-	-	17
Total 1,528.00	-	-	919.5	923.1	916.5	A G O. 932.0	N O V. 909.3	C - 0	NE- 5	C - 0	-	-	-

L O M A S D E

Lat. 11° 19' S. Long. 77° 22' W. de G. Alt. 380 mts. s. n. del mar

MESES	T TEMPERATURA EN GRADOS CENTIGRADOS									U HUMEDAD RELATIVA %						EVAPORACION TOTAL EN MILIMETROS	TENSION MEDIA DEL VAPOR EN MILIMETROS	TOTAL DE HORAS DE SOL	NUBOSIDAD MEDIA EN OCTAVOS
	07 - 00	13 - 00	18 - 00	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA	OSCILACION	MAXIMA ABSOLUTA	MINIMA ABSOLUTA	07 - 00	13 - 00	18 - 00	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA				
ENE.	18.0	21.4	18.6	-	23.5	16.9	6.6	26.0	15.3	93	80	98	-	99	64	91.8	-	256	5
FEB.	18.3	21.5	18.3	-	23.6	17.2	6.4	25.5	15.0	92	85	94	-	100	59	99.7	-	259	4
MAR.	17.7	20.9	17.8	-	23.0	17.1	5.9	26.5	15.8	95	89	98	-	100	69	71.0	-	271	5
ABR.	15.8	18.9	16.1	-	22.6	15.4	7.2	24.5	13.4	98	93	100	-	100	75	30.8	-	126	4
MAY.	15.5	18.7	16.3	-	20.0	14.5	5.5	22.6	12.4	99	86	100	-	100	76	55.9	-	162	5
JUN.	14.6	17.3	14.9	-	18.6	13.8	4.8	22.6	13.0	99	88	100	-	100	83	21.5	-	102	6
JUL.	13.5	15.8	13.9	-	16.8	13.0	3.8	19.0	12.0	100	96	100	-	100	87	16.0	-	56	7
AGO.	12.5	14.7	13.1	-	15.5	12.5	3.0	18.7	11.0	100	93	100	-	100	89	12.2	-	45	7
SET.	11.7	14.1	12.3	-	15.2	11.5	3.7	18.5	11.0	100	98	100	-	100	91	8.4	-	49	7
OCT.	13.0	15.7	13.4	-	16.9	12.9	4.0	21.0	11.4	99	94	99	-	100	86	5.5	-	84	7
NOV.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIC.	14.7	18.0	15.1	-	19.5	14.0	5.5	21.9	13.5	100	89	100	-	100	76	8.4	-	130	7
Media Anual	15.0	17.9	15.4	-	19.5	14.4	5.1	MAR. 26.5	Varios 11.0	98	90	99	-	100	78	-	-	-	6

L A C H A Y

RR CANTIDAD DE LLUVIA (EN MILIMETROS)			PPP PRESION ATMOSFERICA (EN MILIBARES)					dd DIRECCION Y FUERZA DEL VIENTO (EN N/h.)			FENOMENOS DIVERSOS		
TOTAL MENSUAL	MAXIMA EN 24 HORAS	NUMERO DE DIAS CON:	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA	MAXIMA ABSOLUTA	MINIMA ABSOLUTA	07 - 00	13 - 00	18 - 00	TEMPESTAD ELECTRICA	GRANIZO	NIEBLA
0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	3
0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	4
0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	7
3.20	2.50	3	-	-	-	-	-	-	-	-	-	-	7
6.40	3.00	5	-	-	-	-	-	-	-	-	-	-	5
5.60	2.40	5	-	-	-	-	-	-	-	-	-	-	1
25.40	4.50	11	-	-	-	-	-	-	-	-	-	-	10
23.10	5.50	17	-	-	-	-	-	-	-	-	-	-	15
34.80	3.60	26	-	-	-	-	-	-	-	-	-	-	27
30.60	6.00	22	-	-	-	-	-	-	-	-	-	-	33
-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.50	2.00	9	-	-	-	-	-	-	-	-	-	-	14
Total 134.60	-	-	-	-	-	-	-	-	-	-	-	-	-

I L A O

Lat. 11° 31' S. Long. 75° 55' W. de G. Alt. 3,712 mts. s. n. del mar

MESES	T TEMPERATURA EN GRADOS CENTIGRADOS									U HUMEDAD RELATIVA %						EVAPORACION TOTAL EN MILIMETROS	TENSION MEDIA DEL VAPOR EN MILIMETROS	TOTAL DE HORAS DE SOL	NUBOSIDAD MEDIA EN OCTAVOS
	07 - 00	13 - 00	18 - 00	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA	OSCILACION	MAXIMA ABSOLUTA	MINIMA ABSOLUTA	07 - 00	13 - 00	18 - 00	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA				
ENE.	-	-	-	10.0	17.2	5.6	11.6	20.6	2.2	-	-	-	75	80	62	-	06.90	-	-
FEB.	-	-	-	10.6	16.7	6.1	10.6	20.0	3.3	-	-	-	75	82	62	-	07.19	-	-
MAR.	-	-	-	10.6	17.8	6.1	11.7	21.7	2.2	-	-	-	76	83	64	-	07.28	-	-
ABR.	-	-	-	10.0	18.9	4.0	14.9	22.2	-2.2	-	-	-	72	80	57	-	06.63	-	-
MAY.	-	-	-	10.0	19.4	2.2	17.2	23.3	-2.2	-	-	-	70	78	58	-	06.45	-	-
JUN.	-	-	-	10.0	17.2	1.1	16.1	21.1	-5.0	-	-	-	65	75	51	-	05.99	-	-
JUL.	-	-	-	5.6	16.1	-2.2	18.3	19.4	-7.2	-	-	-	47	77	32	-	03.20	-	-
AGO.	-	-	-	6.1	17.2	-1.7	18.9	22.2	-7.8	-	-	-	52	79	35	-	03.67	-	-
SET.	-	-	-	8.3	17.2	2.2	15.0	22.2	-4.4	-	-	-	55	74	39	-	04.52	-	-
OCT.	-	-	-	8.9	17.2	3.9	13.3	22.2	1.7	-	-	-	56	71	39	-	04.79	-	-
NOV.	-	-	-	9.4	17.2	4.4	12.8	22.2	-0.6	-	-	-	63	75	47	-	05.58	-	-
DIC.	-	-	-	9.4	15.6	5.0	10.6	18.9	1.8	-	-	-	62	76	46	-	05.49	-	-
Media Anual	-	-	-	9.1	17.3	3.1	14.2	MAY. 23.3	AGO. -7.8	-	-	-	64	78	49	-	05.64	-	-

R O Y A

RR CANTIDAD DE LLUVIA (EN MILIMETROS)			PPP PRESION ATMOSFERICA (EN MILIBARES)					dd DIRECCION Y FUERZA DEL VIENTO (EN N/h.)			FENOMENOS DIVERSOS		
TOTAL MENSUAL	MAXIMA EN 24 HORAS	NUMERO DE DIAS CON:	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA	MAXIMA ABSOLUTA	MINIMA ABSOLUTA	07 - 00	13 - 00	18 - 00	TEMPESTAD ELECTRICA	GRANIZO	NIEBLA
92.52	11.68	20	648.1	649.2	646.8	651.9	645.1	-	-	-	-	-	-
103.63	15.75	23	647.5	648.5	646.4	650.5	644.4	-	-	-	-	-	-
105.16	21.59	19	647.5	648.5	646.1	650.5	644.8	-	-	-	-	-	-
36.07	13.21	14	649.5	650.5	647.8	652.5	646.4	-	-	-	-	-	-
10.67	3.81	6	650.2	651.5	648.5	653.2	646.4	-	-	-	-	-	-
9.65	8.64	5	649.8	651.2	648.1	652.9	646.8	-	-	-	-	-	-
0.00	0.00	0	649.8	651.2	648.1	652.9	645.4	-	-	-	-	-	-
18.54	12.45	4	649.5	650.8	647.8	653.2	645.4	-	-	-	-	-	-
16.76	6.66	9	649.5	650.8	647.8	652.9	646.4	-	-	-	-	-	-
59.94	21.34	12	648.8	661.3	647.5	652.9	643.7	-	-	-	-	-	-
77.47	13.21	19	647.8	648.8	646.4	650.5	643.4	-	-	-	-	-	-
94.23	16.26	24	648.1	649.2	647.1	650.8	644.8	-	-	-	-	-	-
Total 624.64	-	-	648.8	651.0	647.4	Varios 653.2	N O V. 643.4	-	-	-	-	-	-

MESES	T TEMPERATURA EN GRADOS CENTIGRADOS									U HUMEDAD RELATIVA %						EVAPORACION TOTAL EN MILIMETROS	TENSION MEDIA DEL VAPOR EN MILIMETROS	TOTAL DE HORAS DE SOL	NUBOSIDAD MEDIA EN OCTAVOS
	07 - 00	13 - 00	19 - 00	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA	OSCILACION	MAXIMA ABSOLUTA	MINIMA ABSOLUTA	07 - 00	13 - 00	18 - 00	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA				
ENE.	3.8	11.7	6.7	-	14.7	-1.4	16.1	19.0	-10.0	87	58	76	-	90	55	-	-	-	-
FEB.	4.1	11.0	6.7	-	13.6	-0.8	12.8	17.0	-5.0	87	66	78	-	90	63	-	-	-	-
MAR.	4.0	11.9	7.1	-	12.3	0.1	12.2	16.5	-6.0	86	58	75	-	89	56	-	-	-	-
ABR.	2.7	12.6	6.6	-	14.1	-2.0	16.1	18.5	-9.5	84	46	67	-	86	45	-	-	-	-
MAY.	2.2	12.8	6.4	-	14.5	-4.4	18.9	17.0	-9.0	69	37	62	-	78	34	-	-	-	-
JUN.	2.8	13.0	6.0	-	13.9	-6.5	20.4	18.0	-12.0	59	37	61	-	74	29	-	-	-	-
JUL.	5.5	12.8	4.8	-	14.3	-7.1	21.4	18.0	-13.5	54	22	65	-	66	19	-	-	-	-
AGO.	3.9	14.0	6.5	-	15.6	-10.3	25.9	19.0	-18.5	63	22	52	-	56	20	-	-	-	-
SET.	1.6	14.5	7.2	-	16.0	-6.4	22.4	18.0	-18.0	78	50	73	-	87	45	-	-	-	-
OCT.	3.7	13.7	6.7	-	15.6	-0.5	16.1	18.5	-9.5	78	54	71	-	85	49	-	-	-	-
NOV.	4.0	12.3	7.1	-	15.6	-5.4	21.0	19.0	-12.0	83	61	84	-	90	60	-	-	-	-
DIC.	4.6	11.6	7.6	-	14.5	-1.2	15.7	17.5	-13.0	94	74	79	-	94	69	-	-	-	-
Media Anual	3.6	12.6	6.6	-	14.5	-3.7	18.2	Varios 19.0	AGO. -18.5	77	49	70	-	82	45	-	-	-	-

C H A C A

RR CANTIDAD DE LLUVIA (EN MILIMETROS)			PPP PRESION ATMOSFERICA (EN MILIBARES)					dd DIRECCION Y FUERZA DEL VIENTO (EN N/H.)			FENOMENOS DIVERSOS		
TOTAL MENSUAL	MAXIMA EN 24 HORAS	NUMERO DE DIAS CON:	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA	MAXIMA ABSOLUTA	MINIMA ABSOLUTA	07 - 00	13 - 00	18 - 00	TEMPESTAD ELECTRICA	GRANIZO	NIEBLA
100.40	20.20	22	-	-	-	-	-	C - 0	C - 0	C - 0	8	1	-
107.10	20.20	28	-	-	-	-	-	C - 0	C - 0	C - 0	1	-	-
171.80	24.20	29	-	-	-	-	-	C - 0	C - 0	C - 0	4	-	1
44.80	11.20	16	-	-	-	-	-	C - 0	C - 0	C - 0	6	1	1
29.50	12.00	11	-	-	-	-	-	C - 0	C - 0	C - 0	1	-	4
12.90	4.20	12	-	-	-	-	-	C - 0	C - 0	C - 0	4	-	9
0.00	0.00	0	-	-	-	-	-	C - 0	E -19	N -18	-	-	-
6.80	2.40	3	-	-	-	-	-	C - 0	E -25	N -16	-	-	-
13.00	5.60	9	-	-	-	-	-	C - 0	E -22	E -18	4	1	-
54.60	15.00	19	-	-	-	-	-	C - 0	E -24	E -20	8	1	-
129.80	31.80	19	-	-	-	-	-	C - 0	E -18	W -16	10	2	1
88.00	18.00	28	-	-	-	-	-	C - 0	E -20	E -16	2	2	1
Total 758.70	-	-	-	-	-	-	-	C - 0	E -21	E -17	-	-	-

Lat. 11° 43' S. Long. 75°27' W. de G. Alt. 3,387 mts. s. n. del mar

MESES	T TEMPERATURA EN GRADOS CENTIGRADOS									U HUMEDAD RELATIVA %						EVAPORACION TOTAL EN MILIMETROS	TENSION MEDIA DEL VAPOR EN MILIMETROS	TOTAL DE HORAS DE SOL	NUBOSIDAD MEDIA EN OCTAVOS
	07 - 00	13 - 00	18 - 00	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA	OSCILACION	MAXIMA ABSOLUTA	MINIMA ABSOLUTA	07 - 00	13 - 00	18 - 00	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA				
ENE.	7.3	14.2	13.7	11.1	19.2	4.6	14.6	25.0	4.0	82	52	57	72	94	43	75.4	07.13	181	5
FEB.	7.2	14.5	12.7	9.9	17.9	4.6	13.3	21.0	3.0	82	58	69	82	97	49	51.0	04.50	152	6
MAR.	8.0	14.4	14.0	10.6	19.0	5.4	13.6	24.0	4.0	75	58	60	78	84	48	52.2	07.48	172	5
ABR.	6.1	15.2	14.4	10.3	19.5	3.6	15.9	23.0	0.0	83	52	54	0	93	40	68.2	06.58	190	4
MAY.	5.8	14.8	15.2	9.1	19.8	2.0	17.8	22.0	0.0	78	51	45	68	88	37	81.8	05.90	226	2
JUN.	6.0	14.6	14.3	8.8	18.8	0.9	17.9	21.0	-2.0	70	52	48	61	80	38	83.0	05.18	225	2
JUL.	4.4	13.8	15.5	8.4	19.8	-0.4	20.2	25.0	-3.0	64	50	43	63	75	35	95.6	05.21	237	1
AGO.	6.3	15.1	15.1	9.2	20.1	1.3	18.8	25.0	-3.0	63	51	50	64	76	37	112.4	05.59	244	1
SET.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OCT.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NOV.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIC.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Media Anual	6.4	14.6	14.4	9.7	19.3	2.8	16.5	Varios 25.0	Varios -3.0	75	53	53	70	86	41	-	06.18	-	3

J A

RR CANTIDAD DE LLUVIA (EN MILIMETROS)			PPP PRESION ATMOSFERICA (EN MILIBARES)					dd DIRECCION Y FUERZA DEL VIENTO (EN N/h.)			FENOMENOS DIVERSOS		
TOTAL MENSUAL	MAXIMA EN 24 HORAS	NUMERO DE DIAS CON :	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA	MAXIMA ABSOLUTA	MINIMA ABSOLUTA	07 - 00	13 - 00	18 - 00	TEMPESTAD ELECTRICA	GRANIZO	NIEBLA
83.00	9.00	20	680.1	683.1	678.4	685.3	676.0	NW- 6	N - 6	N - 5	-	-	-
133.00	14.50	22	680.7	682.9	678.4	684.0	676.0	NW- 5	NW- 7	NW- 6	-	-	-
86.00	9.00	20	680.8	683.3	679.2	685.3	677.3	NW- 6	N - 7	NW- 6	-	-	-
25.00	6.00	10	682.5	685.3	679.5	688.0	678.7	NW- 5	N - 5	NW- 7	-	-	-
13.50	5.00	4	683.2	685.3	680.2	686.7	680.0	NW- 5	N - 7	N - 7	-	-	-
0.00	0.00	0	683.3	685.3	679.7	686.7	677.3	NW- 6	N - 6	N -10	-	-	-
0.00	0.00	0	684.0	685.5	680.5	686.7	680.0	NW- 5	N - 7	N - 8	-	-	-
0.00	0.00		682.9	685.1	679.6	686.7	677.3	NW- 6	N - 6	N -14	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	--	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total 340.50	-	-	682.2	684.5	679.4	A B R I L 688.0	Varios 676.0	NW- 6	N - 6	N - 9	-	-	-

Lat. 12° 02' S. Long. 75° 20' W. de G. Alt. 3,350 mts. s. n. del mar

MESES	T TEMPERATURA EN GRADOS CENTIGRADOS									U HUMEDAD RELATIVA %						EVAPORACION TOTAL EN MILIMETROS	TENSION MEDIA DEL VAPOR EN MILIMETROS	TOTAL DE HORAS DE SOL	NUBOSIDAD MEDIA EN OCTAVOS
	07 - 00	13 - 00	18 - 00	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA	OSCILACION	MAXIMA ABSOLUTA	MINIMA ABSOLUTA	07 - 00	13 - 00	18 - 00	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA				
ENE.	-	-	-	-	17.4	5.7	11.7	21.3	2.4	-	-	-	77	-	-	-	-	177	7
FEB.	-	-	-	-	16.8	5.9	10.9	20.6	2.0	-	-	-	80	-	-	-	-	139	7
MAR.	-	-	-	-	17.8	5.4	12.4	20.8	2.2	-	-	-	80	-	-	-	-	150	6
ABR.	-	-	-	-	18.6	3.1	15.5	20.6	-4.2	-	-	-	71	-	-	-	-	211	4
MAY.	-	-	-	-	18.8	1.2	17.6	20.4	-3.0	-	-	-	63	-	-	-	-	251	3
JUN.	-	-	-	-	18.6	0.6	18.0	20.8	-5.7	-	-	-	62	-	-	-	-	231	4
JUL.	-	-	-	-	19.1	-3.1	22.2	21.7	-7.4	-	-	-	56	-	-	-	-	284	0
AGO.	-	-	-	-	20.3	-0.7	21.0	23.1	-5.4	-	-	-	48	-	-	-	-	246	2
SET.	-	-	-	-	20.4	4.1	16.3	23.2	-0.6	-	-	-	58	-	-	-	-	223	3
OCT.	-	-	-	-	20.6	5.1	15.5	24.6	0.0	-	-	-	61	-	-	-	-	186	4
NOV.	-	-	-	-	20.0	5.4	14.6	23.2	0.2	-	-	-	69	-	-	-	-	199	4
DIC.	-	-	-	-	19.4	6.0	13.4	23.2	2.0	-	-	-	69	-	-	-	-	163	6
Media	-	-	-	-	19.0	3.2	15.8	Varios 23.2	JUL. -7.4	-	-	-	66	-	-	-	-	-	4

S I C O D E H U A N C A Y O

RR CANTIDAD DE LLUVIA (EN MILIMETROS)			PPP PRESION ATMOSFERICA (EN MILIBARES)					dd DIRECCION Y FUERZA DEL VIENTO			FENOMENOS DIVERSOS		
TOTAL MENSUAL	MAXIMA EN 24 HORAS	NUMERO DE DIAS CON:	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA	MAXIMA ABSOLUTA	MINIMA ABSOLUTA	07 - 00	13 - 00	18 - 00	TEMPESTAD ELECTRICA	GRANIZO	NIEBLA
138.43	43.18	22	686.4	688.2	683.8	691.2	682.0	C - 0	SE- 3	C - 0	-	-	-
154.69	35.31	24	686.8	688.7	684.2	690.3	681.6	C - 0	E - 2	C - 0	-	-	-
104.39	17.02	26	686.9	688.8	684.2	690.3	681.6	C - 0	ESE- 3	C - 0	-	-	-
31.75	6.86	12	688.4	690.4	685.6	692.8	683.7	C - 0	E - 1	NE- 4	-	-	-
29.72	22.86	4	688.8	691.1	686.1	692.5	683.1	C - 0	NNE- 3	SE- 5	-	-	-
17.27	10.67	5	688.8	691.1	985.9	692.9	683.2	C - 0	SE- 1	SE- 3	-	-	-
0.00	0.00	0	689.3	691.7	686.5	693.6	684.5	C - 0	SE- 2	SE- 6	-	-	-
0.00	0.00	0	688.2	690.9	684.9	693.7	681.6	C - 0	SE- 3	SE- 9	-	-	-
24.38	6.86	7	688.1	690.5	684.8	694.8	682.9	C - 0	SE- 7	ESE- 7	-	-	-
61.21	17.78	16	687.7	690.0	684.7	692.9	680.9	C - 0	NE- 5	W - 9	-	-	-
102.11	21.59	20	686.9	689.1	684.2	691.1	680.5	C - 0	SE- 5	SSE- 8	-	-	-
89.15	15.49	20	687.7	689.6	685.1	692.1	681.5	C - 0	SE- 4	NW- 7	-	-	-
Total 753.10	-	-	687.8	690.0	685.0	S E P. 694.8	N O V. 680.5	C - 0	SE- 4	SE- 6	-	-	-

Lat. 12° 02' S. Long. 75° 20' W. de G. Alt. 3,250 mts. s. n. del mar

MESES	T TEMPERATURA EN GRADOS CENTIGRADOS									U HUMEDAD RELATIVA %						EVAPORACION TOTAL EN MILIMETROS	TENSION MEDIA DEL VAPOR EN MILIMETROS	TOTAL DE HORAS DE SOL	NUBOSIDAD MEDIA EN OCTAVOS
	07 - 00	13 - 00	18 - 00	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA	OSCILACION	MAXIMA ABSOLUTA	MINIMA ABSOLUTA	07 - 00	13 - 00	18 - 00	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA				
ENE.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FEB.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MAR.	9.5	16.7	12.5	13.4	19.7	6.4	13.3	24.0	6.3	83	55	58	68	93	27	64.4	07.84	135	5
ABR.	7.4	18.7	15.6	12.6	21.0	6.4	14.6	23.3	1.5	84	37	52	63	92	30	136.7	06.98	257	4
MAY.	5.5	18.9	14.6	11.7	20.8	4.1	16.7	22.9	0.0	86	34	48	63	94	27	143.2	06.50	296	3
JUN.	3.8	17.4	13.6	9.4	19.5	2.8	16.7	23.0	-3.0	74	34	39	58	89	25	126.9	05.13	243	4
JUL.	1.1	16.2	14.1	8.5	19.3	-0.5	19.8	22.0	-4.9	71	32	32	51	80	23	154.1	04.24	313	-
AGO.	3.5	17.8	14.6	10.6	21.5	2.2	19.3	24.0	-1.9	61	32	36	48	74	20	119.9	04.60	250	2
SET.	9.8	20.3	15.6	14.1	23.2	7.5	15.7	25.1	4.0	63	25	43	47	71	18	114.9	05.68	247	5
OCT.	10.1	17.8	14.6	13.8	21.8	7.6	14.2	25.5	4.0	65	46	50	54	79	26	82.5	06.39	182	6
NOV.	11.2	19.6	15.2	13.8	22.3	8.3	14.0	25.8	5.3	69	35	53	59	86	28	175.4	06.98	159	5
DIC.	11.6	19.6	15.3	14.5	22.1	8.5	13.6	25.0	6.5	72	37	52	60	87	31	82.2	07.43	177	6
MEDIA ANUAL	7.4	18.3	14.6	12.2	21.1	5.3	15.8	NOV. 25.8	JUL. -4.9	73	37	46	57	84	26	-	06.17	-	4

C A Y C

RR CANTIDAD DE LLUVIA (EN MILIMETROS)			PPP PRESION ATMOSFERICA (EN MILIBARES)					dd DIRECCION Y FUERZA DEL VIENTO (EN M/h.)			FENOMENOS DIVERSOS		
TOTAL MENSUAL	MAXIMA EN 24 HORAS	NUMERO DE DIAS CON:	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA	MAXIMA ABSOLUTA	MINIMA ABSOLUTA	07 - 00	13 - 00	18 - 00	TEMPESTAD ELECTRICA	GRANIZO	NIEBLA
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
114.70	13.50	18	685.3	688.1	682.9	690.7	678.7	C - 0	S - 4	S - 4	-	-	-
21.40	5.90	7	686.9	689.5	683.5	692.0	680.1	C - 0	S - 4	S - 4	-	-	-
24.70	11.40	5	685.3	689.6	683.7	692.0	681.1	C - 0	C - 0	S - 4	-	-	-
4.10	3.10	5	685.9	690.5	684.0	692.7	682.4	C - 0	S - 4	S - 4	-	-	-
0.00	0.00	0	688.4	691.8	685.3	695.2	682.5	C - 0	C - 0	S - 6	-	-	-
6.30	1.80	7	687.6	690.8	683.7	694.3	681.1	C - 0	S - 4	S - 7	-	-	-
20.70	9.70	9	686.9	689.7	683.1	693.6	680.0	C - 0	C - 0	N - 4	-	-	-
51.40	11.00	16	686.1	688.2	682.8	694.1	678.7	C - 0	S - 4	N - 4	-	-	-
121.40	32.50	19	685.6	688.5	682.1	690.7	677.3	C - 0	S - 4	S - 5	-	-	-
62.00	17.80	25	686.5	688.4	682.8	691.2	680.0	C - 0	N - 6	N - 9	-	-	-
Total 426.70	-	-	686.4	689.5	683.4	JUL. 695.2	NOV. 677.3	C - 0	S - 4	S - 5	-	-	-

L A P U N T A (E S C U E L A

Lat. 12° 04' S. Long. 77° 10' W. de G. Alt. 15 mts. s. n. del mar

MESES	T TEMPERATURA EN GRADOS CENTIGRADOS									U HUMEDAD RELATIVA %						EVAPORACION TOTAL EN MILIMETROS	TENSION MEDIA DEL VAPOR EN MILIMETROS	TOTAL DE HORAS DE SOL	NUBOSIDAD MEDIA EN OCTAVOS
	07 - 00	13 - 00	18 - 00	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA	OSCILACION	MAXIMA ABSOLUTA	MINIMA ABSOLUTA	07 - 00	13 - 00	18 - 00	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA				
ENE.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FEB.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MAR.	-	-	-	-	-	18.4	-	21.0	16.5	-	-	-	-	-	-	-	-	-	5
ABR.	18.6	21.1	20.0	-	-	18.0	-	21.8	16.0	94	93	92	-	-	-	-	-	-	4
MAY.	19.4	21.2	20.4	-	-	18.2	-	22.0	16.0	92	90	90	-	-	-	-	-	-	6
JUN.	18.3	20.6	19.5	-	-	17.6	-	23.0	16.0	92	92	91	-	-	-	-	-	-	7
JUL.	17.6	19.1	18.7	-	-	15.5	-	22.0	14.0	-	-	-	-	-	-	-	-	-	6
AGO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SET.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OCT.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NOV.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIC.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

N A V A L D E L P E R U)

RR CANTIDAD DE LLUVIA (EN MILIMETROS)			PPP PRESION ATMOSFERICA (EN MILIBARES)					dd DIRECCION Y FUERZA DEL VIENTO (EN N/h.)			FENOMENOS DIVERSOS		
TOTAL MENSUAL	MAXIMA EN 24 HORAS	NUMERO DE DIAS CON	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA	MAXIMA ABSOLUTA	MINIMA ABSOLUTA	07 - 00	13 - 00	18 - 00	TEMPESTAD ELECTRICA	GRANIZO	NIEBLA
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	SW- 6	NW- 8	SW-10	-	-	-
-	-	-	-	-	-	-	-	NE- 6	SE- 7	NE-11	-	-	-
-	-	-	-	-	-	-	-	SW- 7	SW-12	SW-13	-	-	-
-	-	-	-	-	-	-	-	SW- 9	SW- 9	SW-10	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-

L I M A

Lat. 12° 04' S. Long. 77° 02' W. de G. Alt. 137 mts. s. n. del mar

MESES	T TEMPERATURA EN GRADOS CENTIGRADOS									U HUMEDAD RELATIVA %						EVAPORACION TOTAL EN MILIMETROS	TENSION MEDIA DEL VAPOR EN MILIMETROS	TOTAL DE HORAS DE SOL	NUBOSIDAD MEDIA EN OCTAVOS
	07 - 00	13 - 00	18 - 00	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA	OSCILACION	MAXIMA ABSOLUTA	MINIMA ABSOLUTA	07 - 00	13 - 00	18 - 00	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA				
ENE.	18.8	23.5	21.1	20.3	24.9	17.5	7.4	27.4	16.0	91	73	85	85	97	67	56.6	15.19	218	6
FEB.	17.6	21.8	20.0	19.2	24.0	16.7	7.3	25.6	15.0	91	75	86	87	98	67	40.8	14.53	209	6
MAR.	18.5	23.5	20.4	20.2	24.7	17.6	7.1	27.0	15.0	94	74	89	88	97	68	43.9	15.64	193	6
ABR.	18.7	23.0	19.8	19.6	23.6	16.9	6.7	25.1	14.6	88	73	84	87	96	69	37.8	14.89	248	5
MAY.	18.1	21.6	19.7	19.4	22.9	16.9	6.0	25.4	14.4	85	72	83	84	93	67	56.4	14.20	132	6
JUN.	17.1	20.6	18.1	18.0	21.4	16.2	5.2	24.1	13.2	84	70	81	80	88	64	51.7	12.39	94	6
JUL.	16.2	18.9	17.1	16.9	19.8	16.0	3.8	22.2	14.0	85	72	84	80	88	67	36.7	11.56	63	7
AGO.	16.6	19.2	17.6	17.7	20.4	16.6	3.8	23.0	14.0	83	73	83	80	88	64	31.5	12.16	57	7
SET.	15.8	19.1	17.2	17.2	19.7	15.0	4.7	22.0	14.0	90	78	87	86	94	71	33.3	12.67	53	7
OCT.	16.6	20.3	18.1	17.9	20.8	15.8	5.0	23.3	14.0	90	73	86	85	93	70	42.1	13.08	108	7
NOV.	17.1	20.9	18.8	18.2	21.8	16.4	5.4	23.3	15.2	88	72	82	83	92	67	39.7	13.01	111	6
DIC.	18.2	22.3	20.2	19.5	22.9	17.5	5.4	24.1	16.0	90	73	83	85	94	68	46.7	14.46	189	6
Media Anual	17.4	21.2	19.0	18.7	22.2	16.6	5.6	ENE. 27.4	JUN. 13.2	88	73	84	84	93	67	-	13.65	-	6

(C E N T R A L)

RR CANTIDAD DE LLUVIA (EN MILIMETROS)			PPP PRESION ATMOSFERICA (EN MILIBARES)					dd DIRECCION Y FUERZA DEL VIENTO (EN N/h.)			FENOMENOS DIVERSOS		
TOTAL MENSUAL	MAXIMA EN 24 HORAS	NUMERO DE DIAS CON:	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA	MAXIMA ABSOLUTA	MINIMA ABSOLUTA	07 - 00	13 - 00	18 - 00	TEMPESTAD ELECTRICA	GRANIZO	NIEBLA
0.00	0.00	0	1005.6	1007.0	1004.2	1010.0	1001.3	C - 0	SSW- 9	S -10	-	-	18
0.00	0.00	0	1003.5	1005.4	1002.1	1007.7	998.0	C - 0	SW-10	S - 8	-	-	61
3.45	1.50	5	1002.8	1004.2	1001.3	1006.1	998.7	C - 0	SSW-10	S -10	-	-	30
V	V	1	1003.9	1005.4	1002.2	1007.3	999.2	C - 0	S - 8	S -10	-	-	24
0.00	0.00	0	1005.1	1006.7	1005.1	1008.8	1001.3	C - 0	S -12	S - 9	-	-	16
0.87	0.75	4	1005.0	1006.7	1003.5	1009.2	1000.0	C - 0	S -10	S - 9	-	-	13
1.55	0.40	11	1006.3	1007.6	1004.9	1010.7	1001.1	C - 0	S - 9	S -10	-	-	22
4.19	1.00	10	1006.4	1008.1	1005.3	1010.7	1002.1	C - 0	SW-12	S -12	-	-	21
3.49	0.91	10	1007.0	1008.6	1005.5	1010.8	1002.4	C - 0	SW- 8	S - 7	-	-	12
4.61	1.00	15	1005.8	1007.3	1004.4	1008.8	999.5	C - 0	S - 7	S - 9	-	-	13
3.16	1.75	4	1005.0	1006.4	1003.7	1009.3	1001.2	C - 0	S -10	S -10	-	-	4
0.70	0.60	2	1004.7	1005.9	1003.4	1010.0	1000.0	C - 0	S -12	S -13	-	-	4
Total 22.02	-	-	1005.1	1006.6	1003.8	S E T. 1010.8	F E B. 998.0	C - 0	S -10	S -10	-	-	-

L A M O

Lat. 12° 05' S. Long. 76° 57' W. de G. Alt. 251 mts. s. n. del mar

MESES	T TEMPERATURA EN GRADOS CENTIGRADOS									U HUMEDAD RELATIVA %						EVAPORACION TOTAL EN MILIMETROS	TENSION MEDIA DEL VAPOR EN MILIMETROS	TOTAL DE HORAS DE SOL	NUBOSIDAD MEDIA EN OCTAVOS
	07 - 00	13 - 00	18 - 00	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA	OSCILACION	MAXIMA ABSOLUTA	MINIMA ABSOLUTA	07 - 00	13 - 00	18 - 00	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA				
ENE.	20.2	27.2	22.7	22.6	29.6	16.0	13.6	32.1	13.5	86	58	70	77	97	46	97.4	15.85	182	6
FEB.	19.4	24.4	22.4	22.1	30.3	15.3	15.0	31.7	13.0	87	56	71	80	96	41	78.5	15.98	183	5
MAR.	19.4	26.4	21.9	21.5	29.1	13.3	15.8	30.7	13.1	89	61	76	82	98	50	80.4	15.79	188	5
ABR.	18.3	24.6	19.7	19.8	27.4	13.8	13.6	30.0	9.3	90	62	79	82	99	52	65.5	14.21	190	4
MAY.	17.9	22.5	19.0	19.2	25.3	13.4	11.9	29.0	8.2	85	64	81	81	98	54	62.3	13.53	114	6
JUN.	-	-	-	18.0	24.1	12.6	11.5	26.3	6.9	-	-	-	82	97	55	63.8	12.70	110	5
JUL.	-	-	-	17.3	22.3	12.3	10.0	25.7	8.5	-	-	-	85	97	62	52.3	12.60	71	7
AGO.	-	-	-	16.8	22.4	12.0	10.4	24.9	8.0	-	-	-	86	98	61	48.7	12.35	75	6
SET.	-	-	-	16.2	22.5	10.9	11.6	25.4	8.3	-	-	-	90	100	63	57.6	12.44	72	7
OCT.	-	-	-	17.8	24.1	11.8	12.3	26.3	8.9	-	-	-	87	100	58	73.9	13.30	85	6
NOV.	-	-	-	18.9	25.8	12.7	13.1	28.2	10.3	-	-	-	86	100	58	70.4	14.10	-	6
DIC.	-	-	-	20.2	27.5	13.5	14.0	30.0	11.9	-	-	-	85	100	57	81.2	15.10	-	6
Media Anual	-	-	-	19.2	25.8	13.1	12.7	ENE. 32.1	JUN. 6.9	-	-	-	84	98	55	-	14.00	-	6

L I N A

RR CANTIDAD DE LLUVIA (EN MILIMETROS)			PPP PRESION ATMOSFERICA (EN MILIBARES)					dd DIRECCION Y FUERZA DEL VIENTO (EN N/h.)			FENOMENOS DIVERSOS		
TOTAL MENSUAL	MAXIMA EN 24 HORAS	NUMERO DE DIAS CON:	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA	MAXIMA ABSOLUTA	MINIMA ABSOLUTA	07 - 00	13 - 00	18 - 00	TEMPESTAD ELECTRICA	GRANIZO	NIEBLA
0.00	0.00	0	986.1	987.4	984.8	989.7	982.7	C - 0	W -12	W - 8	-	-	1
0.00	0.00	0	984.4	985.8	983.3	988.0	978.9	C - 0	W -10	C - 0	-	-	5
0.40	0.40	1	984.8	986.2	983.2	988.0	980.0	C - 0	W -13	C - 0	-	-	14
0.00	0.00	0	986.2	987.5	984.8	989.3	982.7	C - 0	W -15	C - 0	-	-	2
0.50	0.20	3	987.6	988.8	985.8	990.7	984.0	C - 0	W -12	W - 7	-	-	-
0.20	0.20	1	987.1	988.4	985.6	990.8	982.7	C - 0	W -15	W - 7	-	-	-
0.40	0.20	2	987.7	989.0	986.4	992.0	984.9	C - 0	W -16	C - 0	-	-	-
0.60	0.30	2	988.2	989.5	986.9	990.8	985.3	C - 0	W -18	W - 9	-	-	-
1.50	0.30	7	988.0	989.3	986.6	990.9	985.2	C - 0	W -17	W - 8	-	-	-
2.30	0.40	8	987.9	989.3	986.7	990.7	984.9	C - 0	W -18	W - 7	-	-	-
0.00	0.00	0	987.6	988.6	986.2	990.7	984.0	C - 0	W -18	W - 6	-	-	-
0.00	0.00	0	987.2	988.6	985.8	989.5	984.7	C - 0	W -16	W - 8	-	-	-
Total 5.90	-	-	986.9	988.2	985.5	J U L 992.0	F E B. 978.9	C - 0	W - 15	W - 8	-	-	-

C A Ñ

Lat. 13° 07' S. Long. 76° 12' W. de G. Alt. 36 mts. s. n. del mar

MESES	T TEMPERATURA EN GRADOS CENTIGRADOS									U HUMEDAD RELATIVA %						EVAPORACION TOTAL EN MILIMETROS	TENSION MEDIA DEL VAPOR EN MILIMETROS	TOTAL DE HORAS DE SOL	NUBOSIDAD MEDIA EN OCTAVOS
	07 - 00	13 - 00	18 - 00	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA	OSCILACION	MAXIMA ABSOLUTA	MINIMA ABSOLUTA	07 - 00	13 - 00	18 - 00	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA				
ENE.	19.6	26.2	22.5	22.9	27.9	18.1	9.8	30.0	16.2	100	75	92	92	100	67	193.0	19.28	254	5
FEB.	18.5	25.9	22.2	22.6	27.9	18.1	9.8	29.5	16.1	100	74	92	90	100	65	190.0	18.52	244	5
MAR.	19.9	26.9	22.9	22.6	27.8	18.9	8.9	29.8	18.0	100	82	93	94	100	77	186.5	19.34	210	6
ABR.	19.6	25.7	21.7	21.5	26.7	16.9	9.8	29.1	14.4	100	79	93	93	100	76	169.7	17.90	213	4
MAY.	19.7	24.3	19.9	20.4	24.9	17.0	7.9	27.3	14.0	100	82	95	94	100	80	117.0	16.91	128	6
JUN.	18.6	23.2	19.1	19.6	23.6	16.5	7.1	26.5	12.9	100	84	96	95	100	82	104.9	16.26	98	6
JUL.	17.5	21.3	18.6	18.7	22.1	16.3	5.8	25.3	12.5	100	89	97	97	100	87	95.0	15.69	86	7
AGO.	15.9	22.1	18.3	19.5	22.5	16.7	5.8	24.1	14.0	100	87	99	94	100	84	105.4	15.99	83	7
SET.	17.1	21.2	17.9	18.2	21.8	15.9	5.9	25.0	12.6	100	94	100	99	100	92	103.8	15.52	71	7
OCT.	19.0	22.7	18.9	19.4	23.4	17.1	6.3	26.0	14.9	100	94	100	98	100	91	107.0	16.57	100	6
NOV.	19.9	24.1	20.2	20.7	25.1	17.9	7.2	26.5	15.5	100	92	100	98	100	88	123.3	17.95	109	6
DIC.	20.5	25.9	22.9	22.3	26.9	19.2	7.7	29.5	17.0	100	91	99	98	100	88	155.9	19.80	150	6
Media Anual	19.0	24.1	20.4	20.7	25.1	17.4	7.7	ENE. 30.0	JUL. 12.5	100	85	96	95	100	81	-	17.48	-	6

E T E

RR CANTIDAD DE LLUVIA (EN MILIMETROS)			PPP PRESION ATMOSFERICA (EN MILIBARES)					dd DIRECCION Y FUERZA DEL VIENTO (EN N/h.)			FENOMENOS DIVERSOS		
TOTAL MENSUAL	MAXIMA EN 24 HORAS	NUMERO DE DIAS CON:	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA	MAXIMA ABSOLUTA	MINIMA ABSOLUTA	07 - 00	13 - 00	16 - 00	TEMPESTAD ELECTRICA	GRANIZO	NIEBLA
0.20	0.10	2	997.6	999.3	995.2	1002.7	987.9	C - 0	SW- 2	SW- 1	-	-	4
0.80	0.80	1	994.7	996.8	992.0	999.7	986.7	C - 0	SW- 2	SW- 1	-	-	6
1.50	1.00	4	998.5	1000.2	996.1	1001.6	991.7	C - 0	W - 2	SW- 1	-	-	6
0.00	0.00	0	999.2	1000.5	997.2	1002.8	993.7	C - 0	SW- 2	SW- 1	-	-	-
1.30	0.80	3	1001.3	1002.5	999.5	1004.2	997.3	C - 0	SW- 2	SW- 1	-	-	-
0.10	0.10	1	1001.7	1003.1	999.8	1005.3	996.7	C - 0	SW- 2	SW- 1	-	-	-
3.30	2.70	4	1002.5	1003.6	1001.1	1005.6	998.7	C - 0	SW- 1	SW- 1	-	-	-
0.90	0.40	4	1002.9	1004.2	1001.3	1005.6	999.7	C - 0	SW- 2	SW- 1	-	-	-
1.00	0.50	2	1003.2	1005.1	1001.5	1006.7	999.8	C - 0	SW- 2	SW- 1	-	-	-
1.10	0.50	4	1005.1	1006.7	1003.3	1008.0	1001.2	C - 0	SW- 2	SW- 1	-	-	-
0.20	0.20	1	1005.1	1006.4	1003.3	1008.4	996.4	C - 0	SW- 2	SW- 1	-	-	-
0.00	0.00	0	993.7	994.9	991.8	1000.1	998.7	C - 0	SW- 1	SW- 1	-	-	-
Total 10.40	-	-	1000.4	1001.9	998.5	N O V. 1008.4	F E B. 986.7	C - 0	SW- 2	SW- 1	-	-	-

Y U C A Y

Lat. 13° 18' S. Long. 72° 12' W. de G. Alt. 2,940 mts. s. n. del mar

MESES	T TEMPERATURA EN GRADOS CENTIGRADOS									U HUMEDAD RELATIVA %						EVAPORACION TOTAL EN MILIMETROS	TENSION MEDIA DEL VAPOR EN MILIMETROS	TOTAL DE HORAS DE SOL	NUBOSIDAD MEDIA EN OCTAVOS
	07 - 00	13 - 00	18 - 00	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA	OSCILACION	MAXIMA ABSOLUTA	MINIMA ABSOLUTA	07 - 00	13 - 00	18 - 00	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA				
ENE.	12.3	19.9	14.9	-	21.2	7.9	13.3	27.0	5.8	93	47	60	-	97	40	119.1	-	89	6
FEB.	11.6	19.8	15.4	-	22.3	8.0	14.3	26.6	6.0	95	47	60	-	98	41	102.0	-	81	6
MAR.	11.8	20.2	14.5	-	23.0	7.4	15.6	26.8	5.5	95	48	60	-	98	36	91.2	-	104	6
ABR.	9.5	22.8	14.5	-	24.5	5.4	19.1	26.8	1.0	88	32	57	-	98	26	111.5	-	142	5
MAY.	6.0	21.9	13.9	-	24.3	2.1	22.2	27.0	-1.3	93	23	51	-	98	18	136.9	-	183	3
JUN.	3.6	21.8	14.0	-	23.8	0.7	23.1	26.0	-3.0	96	21	44	-	99	17	151.7	-	229	2
JUL.	2.9	22.6	14.1	-	24.6	0.1	24.5	27.0	-4.0	87	21	39	-	95	15	178.2	-	253	2
AGO.	4.6	21.3	13.9	-	22.7	1.6	21.1	26.8	-3.0	93	26	46	-	97	20	162.6	-	199	4
SET.	9.0	23.4	16.7	-	25.1	4.3	20.8	28.8	0.0	89	28	42	-	98	22	163.1	-	198	4
OCT.	13.6	23.0	16.5	-	24.6	6.5	18.1	29.2	2.0	77	31	46	-	96	26	148.1	-	164	4
NOV.	13.4	22.5	16.4	-	24.6	7.1	17.5	28.2	4.0	82	35	49	-	98	28	115.7	-	112	6
DIC.	12.1	20.8	15.8	-	24.0	6.4	17.6	28.4	3.5	82	42	60	-	97	34	95.2	-	87	6
Media Anual	9.2	21.7	15.0	-	23.7	4.8	18.9	OCT. 29.2	JUL. -4.0	89	33	51	-	97	27	-	-	-	4

(C U' Z C O)

RR CANTIDAD DE LLUVIA (EN MILIMETROS)			PPP PRESION ATMOSFERICA (EN MILIBARES)					dd DIRECCION Y FUERZA DEL VIENTO (EN N/h.)			FENOMENOS DIVERSOS		
TOTAL MENSUAL	MAXIMA EN 24 HORAS	NUMERO DE DIAS CON:	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA	MAXIMA ABSOLUTA	MINIMA ABSOLUTA	07 - 00	13 - 00	18 - 00	TEMPESTAD ELECTRICA	GRANIZO	NIEBLA
146.20	26.50	19	-	727.3	723.2	729.9	720.0	-	-	-	-	-	-
54.10	8.70	18	-	727.1	722.7	732.5	720.0	-	-	-	-	-	-
109.60	20.00	14	-	728.0	724.1	731.1	721.3	-	-	-	-	-	-
26.70	11.50	7	-	730.3	726.5	732.5	722.7	-	-	-	-	-	-
8.00	5.80	3	-	731.5	728.7	733.1	726.0	-	-	-	-	-	-
0.00	0.00	0	-	730.9	726.7	732.0	724.8	-	-	-	-	-	-
0.00	0.00	0	-	731.5	726.3	732.5	725.1	-	-	-	-	-	-
7.00	5.00	5	-	731.1	725.7	732.0	724.0	-	-	-	-	-	-
7.00	5.60	3	-	731.5	725.7	733.1	724.0	-	-	-	-	-	-
20.90	9.80	7	-	730.7	725.2	732.0	722.4	-	-	-	-	-	-
55.80	33.50	13	-	729.9	724.7	732.0	721.3	-	-	-	-	-	-
90.90	16.50	19	-	730.3	725.5	732.2	722.9	-	-	-	-	-	-
Total 526.20	-	-	-	730.0	725.4	Varios 733.1	Varios 720.0	-	-	-	-	-	-

C U Z C O (V E L A Z

Lat. 13° 29' S. Long. 71° 59' W. de G Alt. 3,310 mts. s. n. del mar

MESES	T TEMPERATURA EN GRADOS CENTIGRADOS									U HUMEDAD RELATIVA %						EVAPORACION TOTAL EN MILIMETROS	TENSION MEDIA DEL VAPOR EN MILIMETROS	TOTAL DE HORAS DE SOL	NUBOSIDAD MEDIA EN OCTAVOS
	07 - 00	15 - 00	18 - 00	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA	OSCILACION	MAXIMA ABSOLUTA	MINIMA ABSOLUTA	07 - 00	13 - 00	18 - 00	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA				
ENE.	8.9	15.4	11.6	10.8	19.1	6.2	12.9	22.5	3.3	-	-	-	-	-	-	699.8	-	-	7
FEB.	8.7	15.1	11.9	10.8	18.9	6.2	12.7	21.4	3.4	-	-	-	-	-	-	65.5	-	-	7
MAR.	9.0	15.8	12.4	11.3	19.2	6.2	13.0	22.6	4.5	-	-	-	-	-	-	75.9	-	-	6
ABR.	7.5	16.0	11.8	10.3	18.8	3.8	15.0	20.6	0.6	-	-	-	-	-	-	89.1	-	-	4
MAY.	5.3	15.9	11.6	9.0	18.0	1.5	16.5	21.1	-1.8	-	-	-	-	-	-	101.7	-	-	4
JUN.	3.8	15.8	17.9	9.1	17.8	0.9	16.9	19.4	-3.2	-	-	-	-	-	-	115.6	-	-	2
JUL.	2.6	16.2	12.5	8.3	17.9	-0.8	18.7	19.9	-3.7	-	-	-	-	-	-	140.9	-	-	1
AGO.	4.3	16.2	12.2	9.2	18.6	1.1	17.5	21.6	-3.1	-	-	-	-	-	-	130.2	-	-	3
SET.	7.4	18.4	13.1	11.4	21.6	4.0	17.6	24.6	0.0	-	-	-	-	-	-	132.4	-	-	4
OCT.	10.1	19.4	13.0	12.2	22.2	5.8	16.4	26.0	1.9	-	-	-	-	-	-	128.0	-	-	5
NOV.	10.3	17.8	13.4	12.4	21.6	6.5	15.1	24.5	3.2	-	-	-	-	-	-	105.4	-	-	6
DIC.	9.6	16.9	12.8	11.8	19.9	6.5	13.4	23.4	3.6	-	-	-	-	-	-	95.6	-	-	6
Media Anual	7.3	16.6	12.0	10.6	19.5	4.0	15.5	OCT. 26.0	JUL. -3.7	-	-	-	-	-	-	-	-	-	4

C O A S T E T E)

RR CANTIDAD DE LLUVIA (EN MILIMETROS)			PPP PRESION ATMOSFERICA (EN MILIBARES)					dd DIRECCION Y FUERZA DEL VIENTO (EN N/h.)			FENOMENOS DIVERSOS		
TOTAL MENSUAL	MAXIMA EN 24 HORAS	NUMERO DE DIAS CON	MEDIA MENSUAL	MAXIMA MEDIA	MINIMA MEDIA	MAXIMA ABSOLUTA	MINIMA ABSOLUTA	07 - 00	13 - 00	18 - 00	TEMPESTAD ELECTRICA	GRANIZO	NIEBLA
191.41	26.19	30	684.1	685.7	682.1	688.4	680.0	C - 0	NE- 4	C - 0	1	-	-
136.98	25.40	25	640.2	686.0	682.1	687.7	680.7	C - 0	NW- 3	NW- 2	1	-	-
126.35	25.53	24	684.5	686.1	682.4	687.5	680.7	C - 0	NW- 5	C - 0	2	-	-
31.02	12.19	16	685.6	687.5	683.7	689.3	682.1	C - 0	NE- 3	WNW- 6	1	-	-
7.83	4.65	8	686.3	688.1	684.1	690.3	681.6	C - 0	NNE- 2	W - 4	-	-	-
7.36	6.10	7	686.1	688.0	684.2	690.3	682.7	C - 0	NW- 4	NW- 6	-	-	-
0.00	0.00	0	686.7	688.5	684.5	690.4	682.5	C - 0	NE- 2	W - 5	-	-	-
14.03	8.64	6	686.0	687.8	683.8	690.4	681.3	C - 0	NW- 6	NW- 8	-	-	-
8.38	6.60	5	686.0	687.8	683.5	691.1	681.7	C - 0	NW- 3	NW- 4	-	-	-
20.17	10.41	14	685.1	686.8	682.7	690.0	680.1	C - 0	NE- 7	NE- 6	-	-	-
102.38	23.29	19	684.2	686.0	682.1	687.8	679.7	C - 0	NE- 6	NW- 3	1	-	-
126.79	28.45	27	684.9	686.5	682.8	688.1	680.5	C - 0	NE- 7	NE- 6	1	-	-
Total 772.70	-	-	685.3	687.1	683.1	S E T. 691.1	N O V. 679.7	C - 0	NE- 5	NW- 5	-	-	-

Lat. 14° 47' S. Long. 70° 43' W. de G. Alt. 3,910 mts. s. n. del mar

MESES	T TEMPERATURA EN GRADOS CENTIGRADOS									U HUMEDAD RELATIVA %						EVAPORACION TOTAL EN MILIMETROS	TENSION MEDIA DEL VAPOR EN MILIMETROS	TOTAL DE HORAS DE SOL	NUBOSIDAD MEDIA EN OCTAVOS
	07 - 00	15 - 00	18 - 00	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA	OSCILACION	MAXIMA ABSOLUTA	MINIMA ABSOLUTA	07 - 00	13 - 00	18 - 00	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA				
ENE.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FEB.	1.7	-	9.8	-	-	-	-	-	-	98	44	62	-	-	-	-	-	-	-
MAR.	2.0	-	11.3	-	-	-	-	-	-	100	37	53	-	-	-	-	-	-	-
ABR.	-4.3	-	10.2	-	-	-	-	-	-	99	22	40	-	-	-	-	-	-	-
MAY.	-9.7	-	10.6	-	-	-	-	-	-	99	13	20	-	-	-	-	-	-	-
JUN.	-11.3	-	11.3	-	-	-	-	-	-	96	17	14	-	-	-	-	-	-	-
JUL.	-14.3	-	12.6	-	-	-	-	-	-	74	29	16	-	-	-	-	-	-	-
AGO.	-11.2	-	11.3	-	-	-	-	-	-	66	47	25	-	-	-	-	-	-	-
SET.	-8.0	-	11.6	-	-	-	-	-	-	68	13	10	-	-	-	-	-	-	-
OCT.	-3.5	-	10.9	-	-	-	-	-	-	96	13	32	-	-	-	-	-	-	-
NOV.	2.6	-	12.3	-	-	-	-	-	-	98	17	39	-	-	-	-	-	-	-
DIC.	-2.2	-	10.8	-	-	-	-	-	-	95	31	40	-	-	-	-	-	-	-
Media Anual	-5.3	-	11.2	-	-	-	-	-	-	90	26	32	-	-	-	-	-	-	-

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RR CANTIDAD DE LLUVIA (EN MILIMETROS)			PPP PRESION ATMOSFERICA (EN MILIBARES)					dd DIRECCION Y FUERZA DEL VIENTO (EN N/h.)			FENOMENOS DIVERSOS		
TOTAL MENSUAL	MAXIMA EN 24 HORAS	NUMERO DE DIAS CON:	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA	MAXIMA ABSOLUTA	MINIMA ABSOLUTA	07 - 00	13 - 00	18 - 00	TEMPESTAD ELECTRICA	GRANIZO	NIEBLA
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	1	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	2
-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.00	3.00	2	-	-	-	-	-	-	-	-	-	-	-
0.00	0.00	0	-	-	-	-	-	-	-	-	-	-	-
37.58	14.73	9	-	-	-	-	-	-	-	-	-	-	-
46.77	11.45	13	-	-	-	-	-	-	-	-	1	-	-
117.09	25.65	16	-	-	-	-	-	-	-	-	-	-	-
Total 206.44	-	-	-	-	-	-	-	-	-	-	-	-	-

I [illegible]

Y M A

Lat. 15° 49' S. Long. 71° 04' W. de G. Alt. 4,405 mts. s. n. del mar

MESES	T TEMPERATURA EN GRADOS CENTIGRADOS									U HUMEDAD RELATIVA %						EVAPORACION TOTAL EN MILIMETROS	TENSION MEDIA DEL VAPOR EN MILIMETROS	TOTAL DE HORAS DE SOL	NEBOSIDAD MEDIA EN OCTAVOS
	07 - 00	13 - 00	18 - 00	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA	OSCILACION	MAXIMA ABSOLUTA	MINIMA ABSOLUTA	07 - 00	13 - 00	18 - 00	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA				
ENE.	0.8	9.2	1.1	2.4	11.7	-2.3	14.0	14.2	-6.3	94	65	86	87	99	54	-	04.74	154	7
FEB.	2.3	7.2	1.5	2.2	11.0	-1.6	12.6	14.2	-5.2	94	77	97	92	100	63	-	04.94	106	7
MAR.	0.8	10.7	1.5	2.8	12.8	-2.8	15.6	15.6	-8.2	93	52	85	83	99	40	-	04.65	193	6
ABR.	-2.3	10.6	0.6	1.2	12.6	-6.7	19.3	15.8	-13.8	79	39	71	73	97	31	-	03.65	278	5
MAY.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JUN.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JUL.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AGO.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SET.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OCT.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NOV.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIC.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

T A

RR CANTIDAD DE LLUVIA (EN MILIMETROS)			PPP PRESION ATMOSFERICA (EN MILIBARES)					dd DIRECCION Y FUERZA DEL VIENTO (EN N/h.)			FENOMENOS DIVERSOS		
TOTAL MENSUAL	MAXIMA EN 24 HORAS	NUMERO DE DIAS CON:	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA	MAXIMA ABSOLUTA	MINIMA ABSOLUTA	07 - 00	13 - 00	18 - 00	TEMPESTAD ELECTRICA	GRANIZO	NIEBLA
109.40	20.80	18	-	-	-	-	-	C - 0	NE- 4	SSW- 4	8	8	-
264.10	25.30	26	-	-	-	-	-	C - 0	NE- 3	NE- 3	16	18	-
64.50	16.20	18	-	-	-	-	-	C - 0	NE- 4	WNW- 4	2	2	-
5.70	4.00	2	-	-	-	-	-	C - 0	SSW- 3	SSW- 3	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total 443.70	-	-	-	-	-	-	-	-	-	-	-	-	-

P U N O (S A L

Lat. 15° 50' S. Long. 70° 01' W. de G. Alt. 3,852 mts. s. n. del mar

MESES	T TEMPERATURA EN GRADOS CENTIGRADOS									U HUJEDAD RELATIVA %						EVAPORACION TOTAL EN MILIMETROS	TENSION MEDIA DEL VAPOR EN MILIMETROS	TOTAL DE HORAS DE SOL	NUBOSIDAD MEDIA EN OCTAVOS
	07 - 00	13 - 00	18 - 00	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA	OSCILACION	MAXIMA ABSOLUTA	MINIMA ABSOLUTA	07 - 00	13 - 00	18 - 00	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA				
ENE.	7.3	14.3	8.5	7.0	15.7	3.0	12.7	18.2	0.6	70	53	67	70	80	48	138.2	05.26	157	6
FEB.	6.6	12.0	8.7	8.0	15.0	2.6	12.4	20.8	0.0	80	58	72	78	82	56	137.5	06.28	168	6
MAR.	6.6	14.1	10.2	8.6	16.0	3.0	13.0	17.8	1.2	60	50	63	-	75	50	199.5	-	-	4
ABR.	3.5	13.2	8.7	8.2	15.9	0.6	15.3	17.8	-4.0	60	36	50	-	64	35	191.4	-	-	3
MAY.	2.3	11.8	5.6	5.6	13.4	-3.0	16.4	15.5	-6.8	66	45	45	-	70	24	242.3	-	-	1
JUN.	1.4	12.1	6.8	6.4	14.4	-3.7	18.1	16.2	-6.6	60	19	38	-	80	19	293.2	-	-	1
JUL.	-1.0	12.0	5.5	6.9	14.1	-4.1	18.2	16.0	-6.5	58	21	37	-	59	17	283.8	-	-	0
AGO.	2.0	11.4	6.1	6.4	13.7	-4.0	17.7	18.4	-7.4	50	25	40	-	60	18	277.7	-	-	1
SET.	4.6	13.7	8.6	8.3	15.8	-5.5	21.3	19.5	-5.6	46	22	42	-	53	14	270.8	-	-	1
OCT.	6.6	15.2	9.9	10.1	18.0	1.3	16.7	20.5	-2.8	35	16	41	-	55	16	278.2	-	-	4
NOV.	8.4	15.3	10.9	10.9	17.5	2.4	15.1	20.6	-4.5	60	48	58	-	70	42	268.2	-	-	3
DIC.	7.1	14.2	10.6	10.8	18.3	2.9	15.4	23.5	93.0	60	40	50	-	64	35	239.2	-	-	4
Media Anual	4.6	13.3	8.3	8.1	15.6	-0.4	16.0	DIC. 23.5	AGO. -5.4	59	36	50	-	68	31	-	-	-	3

C E D O)

RR CANTIDAD DE LLUVIA (EN MILIMETROS)			PPP PRESION ATMOSFERICA (EN MILIBARES)					dd DIRECCION Y FUERZA DEL VIENTO (FN N/h.)			FENOMENOS DIVERSOS		
TOTAL MENSUAL	MAXIMA EN 24 HORAS	NUMERO DE DIAS CON	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA	MAXIMA ABSOLUTA	MINIMA ABSOLUTA	07 - 00	13 - 00	18 - 00	TEMPESTAD ELECTRICA	GRANIZO	NIEBLA
171.53	18.75	22	-	647.7	645.3	652.7	633.5	S - 2	N - 4	S - 5	6	5	2
164.34	19.25	20	-	647.7	645.1	650.4	642.7	S - 2	N - 3	S - 4	8	3	3
46.68	11.68	14	-	647.5	645.9	649.2	642.3	SSW- 3	N - 3	S - 3	10	5	-
34.56	15.49	8	-	648.9	646.9	650.5	645.1	S - 3	N - 3	NE- 3	6	1	1
19.50	12.60	3	-	649.7	647.8	650.9	633.8	S - 3	N - 3	S - 2	1	1	3
0.16	0.16	1	-	649.3	647.3	651.2	644.9	S - 4	N - 2	S - 2	1	2	-
0.00	0.00	0	-	649.9	638.0	653.2	645.7	S - 3	N - 2	S - 1	-	-	-
13.87	7.00	5	-	648.8	646.8	651.7	641.2	S - 2	N - 2	S - 2	-	-	1
2.54	1.78	4	-	649.1	646.8	653.3	643.8	S - 3	N - 2	S - 3	5	-	-
22.35	7.62	6	-	649.6	647.2	653.2	644.4	S - 2	N - 2	S - 2	3	3	1
24.48	8.89	10	-	647.8	645.5	649.7	642.5	S - 1	N - 2	S - 2	-	-	-
101.85	17.27	13	-	648.9	646.4	650.9	644.0	S - 2	N - 2	S - 3	-	3	-
Total 601.86	-	-	-	648.7	646.6	S E T. 653.3	A G O. 641.2	S - 2	N - 2	S - 3	-	-	-

Lat. 16° 27' S. Long. 71° 48' W. de G. Alt. 1,631 mts. s. n. del mar

MESES	T TEMPERATURA EN GRADOS CENTIGRADOS									U HUMEDAD RELATIVA %						EVAPORACION TOTAL EN MILIMETROS	TENSION MEDIA DEL VAPOR EN MILIMETROS	TOTAL DE HORAS DE SOL	NUBOSIDAD MEDIA EN OCTAVOS
	07 - 00	13 - 00	18 - 00	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA	OSCILACION	MAXIMA ABSOLUTA	MINIMA ABSOLUTA	07 - 00	13 - 00	18 - 00	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA				
ENE.	15.6	25.5	19.8	16.1	29.2	9.8	19.4	32.4	7.3	82	56	73	-	-	-	156.0	-	315	5
FEB.	15.2	25.8	20.6	16.3	30.0	10.3	19.7	32.0	8.0	74	54	67	-	-	-	148.3	-	284	5
MAR.	15.6	25.9	20.4	16.2	30.2	10.2	20.0	32.8	8.3	76	52	71	-	-	-	168.6	-	318	5
ABR.	17.0	26.6	18.5	18.5	30.7	12.2	18.5	32.3	8.2	74	46	74	-	-	-	174.6	-	312	5
MAY.	16.8	26.7	17.9	19.1	30.6	12.2	18.4	32.8	5.0	65	44	73	-	-	-	216.7	-	333	1
JUN.	16.6	26.3	18.2	19.6	30.4	13.2	17.2	32.7	9.0	68	42	74	-	-	-	206.5	-	321	2
JUL.	15.5	26.3	17.7	18.9	30.4	12.2	18.2	32.2	9.9	71	39	73	-	-	-	239.8	-	334	0
AGO.	14.8	25.4	17.4	18.4	29.6	11.8	17.8	32.8	3.9	74	47	73	-	-	-	216.3	-	327	2
SET.	16.6	27.2	18.7	19.0	31.2	11.5	19.7	33.8	5.0	71	47	70	-	-	-	215.1	-	321	2
OCT.	18.9	27.5	18.6	17.3	31.6	10.0	21.6	33.8	5.2	70	47	71	-	-	-	198.0	-	329	4
NOV.	18.8	27.3	15.2	14.2	31.2	7.6	23.6	33.3	5.0	72	47	73	-	-	-	193.8	-	320	4
DIC.	20.2	28.1	19.8	15.8	32.0	8.8	23.2	33.8	6.6	66	48	70	-	-	-	197.3	-	326	5
Media Anual	16.8	26.6	18.6	17.4	30.6	10.8	19.8	Varios 33.8	AGO. 3.9	72	47	72	-	-	-	-	-	-	3

T O R

RR CANTIDAD DE LLUVIA (EN MILIMETROS)			PPP PRESION ATMOSFERICA (EN MILIBARES)					dd DIRECCION Y FUERZA DEL VIENTO (EN N/h.)			FENOMENOS DIVERSOS		
TOTAL MENSUAL	MAXIMA EN 24 HORAS	NUMERO DE DIAS CON:	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA	MAXIMA ABSOLUTA	MINIMA ABSOLUTA	07 - 00	13 - 00	18 - 00	TEMPESTAD ELECTRICA	GRANIZO	NIEBLA
6.30	5.20	4	844.0	845.3	842.5	846.8	839.2	NE- 3	SW- 3	S - 3	-	-	-
0.00	0.00	0	842.8	844.1	841.6	846.5	838.7	C - 0	S - 3	S - 3	-	-	-
1.00	0.60	2	842.9	844.1	841.5	845.3	839.2	NE- 2	S - 2	S - 4	-	-	-
0.00	0.00	0	843.6	844.8	842.3	846.9	840.0	NE- 3	SW- 3	S - 3	-	-	-
0.00	0.00	0	844.0	845.2	842.7	847.1	840.7	NE- 3	SSW- 2	SW- 2	-	-	-
0.00	0.00	0	843.5	844.7	842.4	846.1	839.6	NE- 4	SW- 2	SW- 2	-	-	-
0.00	0.00	0	843.5	844.7	842.3	846.5	839.7	NE- 4	SW- 2	SW- 2	-	-	-
0.50	0.30	2	843.8	845.1	842.7	846.7	840.7	NE- 3	SW- 2	SW- 2	-	-	-
0.60	0.40	2	843.5	844.4	842.3	845.7	840.8	NE- 4	SW- 3	SW- 2	-	-	-
0.00	0.00	0	843.6	844.7	842.4	846.7	841.1	NE- 3	WSW- 3	SW- 2	-	-	-
0.50	0.50	1	843.6	844.7	842.4	846.4	840.7	NE- 2	SW- 3	SW- 2	-	-	-
0.00	0.00	0	843.6	844.8	842.4	846.3	840.8	C - 0	SW- 3	SW- 3	-	-	-
Total 8.90	-	-	843.5	844.7	842.3	MAYO 847.1	F E B. 838.7	NE- 3	SW- 3	SW- 2	-	-	-

M O Q U E

Lat. 17° 11' S. Long. 70° 56' W. de G. Alt. 1,367 mts. s. n. del mar

MESES	T TEMPERATURA EN GRADOS CENTIGRADOS									U HUMEDAD RELATIVA %						EVAPORACION TOTAL EN MILIMETROS	TENSION MEDIA DEL VAPOR EN MILIMETROS	TOTAL DE HORAS DE SOL	NUBOSIDAD MEDIA EN OCTAVOS
	07 - 00	13 - 00	18 - 00	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA	OSCILACION	MAXIMA ABSOLUTA	MINIMA ABSOLUTA	07 - 00	13 - 00	18 - 00	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA				
ENE	18.4	26.3	19.8	17.9	28.2	10.6	17.6	31.0	9.0	-	-	-	-	-	-	38.7	-	-	5
FEB	19.2	26.5	20.7	18.5	29.0	10.3	18.7	31.0	8.0	-	-	-	-	-	-	38.1	-	-	3
MAR.	19.1	27.0	20.1	18.1	29.0	10.3	18.7	32.0	8.0	-	-	-	-	-	-	41.1	-	-	4
ABR.	17.7	26.9	19.2	16.8	28.5	8.1	20.4	31.0	4.0	-	-	-	-	-	-	33.0	-	-	1
MAY.	17.2	26.1	17.8	16.4	28.5	6.2	22.3	31.5	1.0	-	-	-	-	-	-	29.6	-	-	0
JUN.	16.3	25.9	15.0	16.4	28.1	6.3	21.8	30.0	3.0	-	-	-	-	-	-	24.9	-	-	0
JUL.	15.0	25.2	16.6	15.8	28.2	6.2	22.0	33.0	3.0	-	-	-	-	-	-	27.9	-	-	0
AGO.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SET.	16.7	26.7	19.4	17.2	29.9	7.1	22.8	34.0	4.0	-	-	-	-	-	-	26.0	-	-	0
OCT.	18.1	27.0	19.4	17.8	29.6	7.4	22.2	33.0	4.0	-	-	-	-	-	-	33.1	-	-	2
NOV.	18.8	27.0	20.1	18.2	29.6	9.0	20.6	32.0	6.5	-	-	-	-	-	-	31.6	-	-	0
DIC.	19.8	27.0	20.8	19.6	30.7	9.6	21.1	33.0	6.0	-	-	-	-	-	-	34.2	-	-	0
Media	17.8	26.5	19.0	17.5	29.0	8.3	20.7	SET. 34.0	MAY. 1.0	-	-	-	-	-	-	-	-	-	2

G U A

RR CANTIDAD DE LLUVIA (EN MILIMETROS)			PPP PRESION ATMOSFERICA (EN MILIBARES)					dd DIRECCION Y FUERZA DEL VIENTO (EN N/h.)			FENOMENOS DIVERSOS		
TOTAL MENSUAL	MAXIMA EN 24 HORAS	NUMERO DE DIAS CON:	MEDIA HORARIA	MAXIMA MEDIA	MINIMA MEDIA	MAXIMA ABSOLUTA	MINIMA ABSOLUTA	07 - 00	13 - 00	18 - 00	TEMPESTAD ELECTRICA	GRANIZO	NIEBLA
6.10	3,81	3	-	858.5	857.6	859.2	856.5	C - 0	SW- 2	W - 2	-	-	2
0.00	0.00	0	-	858.7	857.7	859.1	856.5	C - 0	SW- 2	W - 2	-	-	1
0.00	0.00	0	-	858.8	857.5	859.1	857.1	C - 0	SW- 2	W - 2	-	-	-
0.00	0.00	0	-	858.8	857.5	859.2	856.8	C - 0	SW- 2	W - 2	-	-	-
0.00	0.00	0	-	859.1	857.7	859.8	857.2	C - 0	SW- 2	W - 2	-	-	-
0.00	0.00	0	-	859.3	857.9	859.7	857.1	C - 0	SW- 2	W - 2	-	-	-
0.00	0.00	0	-	859.5	858.0	859.8	857.1	C - 0	SW- 2	W - 2	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.00	0.00	0	-	858.7	857.9	859.7	857.1	C - 0	SW- 2	W - 2	-	-	-
0.00	0.00	0	-	858.5	857.7	859.7	857.5	C - 0	SW- 2	W - 2	-	-	-
0.00	0.00	0	-	858.7	857.7	859.6	857.2	C - 0	SW- 2	W - 2	-	-	1
0.00	0.00	0	-	858.9	857.9	859.3	857.2	C - 0	SW- 2	W - 2	-	-	-
Total 6.10	-	-	-	858.9	857.7	Varios 859.8	Varios 856.5	C - 0	SW- 2	W - 2	-	-	-

SEGUNDA PARTE

TEMPERATURAS DIARIAS DEL AGUA DE MAR

Z O R R I T O S

Lat. 03° 40' S.
Long. 80° 39' W. de G.
Alt. 7 mts. s.n. del mar.

TEMPERATURA DEL AGUA DEL MAR OBSERVADA A HORAS 07.00

Fecha	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
1	25.0	26.0	26.5	26.0	25.5	26.3	26.5	24.5	24.0	23.0	-	-
2	26.0	25.0	26.1	26.0	26.0	26.0	26.0	24.0	23.5	23.5	-	-
3	27.0	25.5	26.5	26.5	26.0	26.0	26.0	25.0	23.0	21.0	-	-
4	24.2	25.0	25.5	26.0	26.0	26.5	26.5	24.0	23.5	23.0	-	-
5	26.0	26.0	26.5	26.0	25.5	26.3	26.0	24.0	24.0	24.0	-	-
6	24.2	25.5	26.0	26.0	26.5	26.5	26.5	26.0	23.0	24.0	-	-
7	25.0	25.0	26.0	26.0	26.0	26.5	26.5	24.0	23.0	24.0	-	-
8	24.0	25.5	26.0	26.0	25.0	26.5	26.5	24.0	23.0	24.0	-	-
9	25.0	25.0	26.0	25.0	26.0	26.0	26.0	25.0	24.0	24.0	-	-
10	26.0	26.5	26.5	26.0	25.5	26.0	26.0	24.0	24.0	24.0	-	-
11	25.5	25.5	26.2	27.0	25.5	26.1	27.0	23.0	22.5	24.0	-	-
12	25.5	26.1	27.5	26.0	25.5	26.0	26.0	25.0	23.0	24.0	-	-
13	25.5	25.5	26.3	26.0	25.5	26.0	27.1	25.0	-	24.5	-	-
14	25.4	26.5	27.0	27.0	25.5	26.0	26.0	24.0	-	23.0	-	-
15	25.5	25.0	26.5	26.0	26.0	27.2	26.0	25.0	-	24.0	-	-
16	24.0	26.0	26.0	27.0	26.0	26.0	25.5	24.5	-	23.5	-	-
17	25.0	25.5	25.5	26.0	25.5	26.5	27.0	24.0	-	24.0	-	-
18	26.0	25.5	26.0	26.5	26.3	26.5	26.0	23.0	-	26.0	-	-
19	24.0	26.0	26.3	28.0	26.0	26.5	26.5	22.0	-	24.0	-	-
20	25.0	26.0	26.5	26.0	26.5	26.0	26.5	24.0	-	25.0	-	-
21	25.0	25.5	26.5	26.5	26.5	26.5	26.0	22.0	-	24.0	-	-
22	24.0	25.0	26.5	26.0	26.2	26.5	24.5	23.5	-	24.0	-	-
23	25.0	26.0	26.0	26.0	26.5	27.0	27.0	22.0	-	24.0	-	-
24	25.0	27.0	25.5	26.5	26.4	27.0	27.0	25.0	23.0	24.0	-	-
25	25.5	25.0	25.5	26.5	25.5	27.0	26.0	26.0	23.0	23.0	-	-
26	24.5	26.0	26.0	26.8	26.3	26.0	26.5	26.0	23.0	23.0	-	-
27	26.0	27.3	26.0	26.5	25.5	26.3	25.0	22.0	23.0	23.0	-	-
28	25.0	26.0	26.0	26.0	26.1	26.2	26.0	23.5	24.0	24.0	-	-
29	25.5	-	26.5	26.5	26.0	26.5	26.0	23.0	22.0	24.0	-	-
30	24.5	-	26.0	26.6	25.5	26.5	25.0	23.5	24.0	25.0	-	-
31	26.0	-	26.5	-	26.0	-	22.5	22.0	-	27.0	-	-
Prom. Mens.	25.3	25.7	26.2	26.3	25.9	26.4	26.1	24.0	23.3	24.0	-	-

PROMEDIO ANUAL = 25.3

Z O R R I T O S

Lat. 03° 40' S.
Long. 80° 39' W. de G.
Alt. 7 mts. s.n. del mar.

TEMPERATURA DEL AGUA DEL MAR OBSERVADA A HORAS 13.00

Fecha	ENE.	FEB.	MARZ.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
1	26.5	27.0	28.0	27.0	27.0	27.3	28.5	27.5	27.0	25.0	-	-
2	26.5	27.0	28.2	27.0	28.0	28.0	28.0	28.0	26.0	26.0	-	-
3	26.0	26.6	27.8	27.0	28.0	28.0	27.5	25.0	25.0	26.0	-	-
4	25.5	27.5	28.5	27.0	28.0	28.0	27.0	28.0	27.0	26.5	-	-
5	27.0	27.0	27.3	27.5	27.2	28.0	27.0	28.0	27.0	26.5	-	-
6	25.5	27.0	28.0	27.0	28.0	27.5	27.5	27.0	27.0	23.0	-	-
7	26.0	27.3	27.1	27.5	27.5	28.0	27.2	27.0	26.5	26.5	-	-
8	26.0	27.6	27.8	28.0	27.5	28.1	28.0	26.0	25.5	28.0	-	-
9	27.0	27.0	27.2	27.0	27.0	28.0	27.5	26.0	26.0	27.0	-	-
10	25.0	27.5	27.5	28.0	27.0	28.1	27.3	27.0	26.5	26.8	-	-
11	27.0	27.0	27.5	28.0	27.5	28.5	28.0	26.5	27.0	27.0	-	-
12	26.5	27.1	28.0	28.0	27.5	28.0	27.5	26.3	27.0	27.0	-	-
13	26.1	26.0	27.5	27.5	27.0	26.5	28.0	26.5	-	27.0	-	-
14	25.0	27.0	28.0	28.0	27.0	28.1	29.0	26.0	-	27.0	-	-
15	26.0	26.0	27.5	28.0	27.3	28.0	29.0	26.3	-	27.0	-	-
16	25.5	27.5	27.5	28.0	27.0	27.5	27.5	27.0	-	27.5	-	-
17	26.5	28.0	28.0	28.0	27.3	28.2	28.5	24.5	-	27.5	-	-
18	21.0	27.0	28.0	28.0	27.5	27.2	27.5	27.0	-	28.0	-	-
19	26.1	28.0	27.4	28.0	27.2	28.0	29.0	26.0	-	28.0	-	-
20	27.0	27.5	27.5	27.0	27.5	28.2	28.5	27.0	-	28.0	-	-
21	24.5	28.0	28.3	28.0	27.0	28.5	28.0	26.5	-	27.0	-	-
22	24.5	27.0	27.0	28.0	27.0	29.0	27.5	28.0	-	25.5	-	-
23	27.0	28.6	26.0	28.0	27.2	28.5	27.0	26.5	-	27.4	-	-
24	27.0	28.5	25.0	28.0	27.5	28.5	27.5	27.0	26.5	28.8	-	-
25	27.0	27.0	27.2	28.0	27.2	29.0	27.0	27.0	26.0	27.0	-	-
26	24.0	27.5	27.2	28.0	27.5	28.3	26.5	27.0	25.0	27.0	-	-
27	27.5	28.0	28.5	28.0	27.2	28.5	27.0	25.0	26.0	27.0	-	-
28	27.0	27.0	27.0	28.0	28.0	28.1	27.0	29.0	25.5	28.0	-	-
29	27.0	-	28.0	27.0	27.5	28.5	27.0	27.5	25.0	28.0	-	-
30	26.0	-	28.0	27.5	28.0	28.5	26.5	26.5	26.0	28.0	-	-
31	26.5	-	27.5	-	27.7	-	26.5	26.5	-	27.0	-	-
Prom. Mens.	26.0	27.3	27.6	27.7	27.4	28.1	27.6	26.7	26.2	27.0	-	-

PROMEDIO ANUAL = 27.2

Z O R R I T O S

Lat. 03° 40' S.
Long. 80° 39' W. deG.
Alt. 7 mts. s.n. del mr

TEMPERATURA DEL AGUA DEL MAR OBSERVADA A HORAS 18.00

Fecha	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
1	25.0	26.1	27.0	26.0	26.0	26.5	27.0	25.0	25.0	24.0	-	-
2	25.1	26.5	27.0	26.5	27.0	28.0	26.0	26.0	26.0	25.8	-	-
3	25.5	27.0	27.0	26.3	27.5	27.5	26.5	24.0	24.0	25.5	-	-
4	24.5	26.0	27.0	26.3	26.0	27.0	27.0	24.0	26.0	25.0	-	-
5	23.0	26.5	27.0	28.0	26.5	27.0	27.0	25.0	26.0	26.0	-	-
6	25.0	26.0	27.0	26.5	27.0	27.0	27.0	24.0	24.0	26.0	-	-
7	25.0	25.0	28.0	26.5	26.0	27.5	27.0	25.0	24.0	26.0	-	-
8	29.0	25.5	26.1	27.0	27.0	26.2	27.0	26.0	24.0	27.0	-	-
9	26.5	26.5	26.5	27.0	26.5	27.0	27.0	25.0	24.0	26.0	-	-
10	26.0	27.0	27.0	27.0	26.5	27.0	27.0	23.0	25.5	22.0	-	-
11	26.5	26.0	27.0	27.5	26.0	27.0	27.2	25.0	26.5	26.5	-	-
12	27.2	26.0	27.0	27.0	26.0	27.0	27.2	26.0	26.0	27.0	-	-
13	25.5	27.1	27.0	27.0	26.5	26.0	27.5	25.0	-	26.0	-	-
14	24.5	26.0	25.4	26.5	26.3	27.5	27.5	25.0	-	26.0	-	-
15	28.0	25.5	26.5	27.0	26.5	28.0	28.0	25.5	-	26.0	-	-
16	24.0	25.0	27.0	27.0	26.0	26.5	27.0	25.0	-	26.0	-	-
17	25.5	27.0	26.3	27.0	27.0	27.0	27.5	24.0	-	27.0	-	-
18	26.0	27.2	26.5	26.0	26.5	26.0	27.0	25.0	-	27.0	-	-
19	26.5	27.0	26.5	27.5	26.5	27.0	27.0	25.0	-	26.0	-	-
20	26.6	26.0	26.5	26.5	26.0	27.0	27.5	24.0	-	26.0	-	-
21	25.5	27.0	26.0	27.0	26.5	27.0	27.0	24.0	-	25.5	-	-
22	24.0	27.5	26.6	29.8	26.5	28.0	26.5	24.0	-	24.0	-	-
23	28.0	27.0	28.0	27.0	26.5	27.5	26.0	26.0	-	26.0	-	-
24	26.0	27.5	25.5	27.0	26.3	27.4	27.0	25.0	26.0	26.0	-	-
25	25.5	27.1	27.0	27.0	26.0	28.0	26.0	25.0	25.0	25.0	-	-
26	26.0	26.0	26.5	26.0	27.0	28.1	24.0	24.0	24.0	25.3	-	-
27	25.5	27.0	27.0	27.0	26.0	27.0	26.5	24.5	25.0	26.0	-	-
28	26.5	26.5	26.5	27.0	27.0	27.0	26.5	25.0	25.0	27.0	-	-
29	25.0	-	27.0	27.0	26.8	27.0	26.5	24.0	24.5	27.0	-	-
30	24.0	-	25.0	26.0	26.5	27.0	26.5	24.0	23.0	25.0	-	-
31	26.0	-	26.0	-	26.0	-	25.0	24.0	-	26.0	-	-
Prom. Mens.	25.9	26.5	26.7	26.9	26.5	27.1	26.8	24.7	24.9	25.8	-	-

PROMEDIO ANUAL = 26.2

E L A L T O

Lat. 04° 15' S.
Long. 81° 14' W. de G.
Alt. 270 mts. s.n. del mar.

TEMPERATURA DEL AGUA DEL MAR OBSERVADA A HORAS 07.00

Fecha	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
1	- -	23.8	22.2	-	-	22.2	-	18.8	20.0	17.7	21.6	18.8
2	-	23.8	22.2	21.6	21.6	22.2	22.7	18.8	-	17.7	22.2	-
3	24.4	23.3	21.6	22.2	22.2	-	22.7	20.0	18.3	21.6	23.3	17.7
4	24.4	-	-	21.1	22.7	22.7	22.2	21.1	22.2	22.2	-	17.7
5	24.4	-	22.2	20.0	22.7	23.3	22.2	-	22.7	22.7	22.7	20.5
6	25.0	-	21.1	20.5	-	22.2	22.7	20.5	22.7	23.3	21.6	20.0
7	- -	18.8	20.0	22.2	22.2	23.3	21.6	20.0	22.2	-	20.0	19.4
8	25.5	23.3	23.3	-	21.6	23.3	-	21.1	22.7	23.3	20.0	21.1
9	25.0	22.2	21.1	22.2	22.2	23.3	23.3	21.1	-	23.3	20.0	-
10	25.5	22.2	21.1	21.1	22.2	-	23.3	21.1	21.1	22.7	18.8	20.5
11	21.4	-	-	23.3	22.2	22.2	21.1	21.1	22.2	22.2	-	18.8
12	23.3	22.2	23.3	23.3	22.2	22.2	23.8	23.0	21.6	21.1	22.2	18.8
13	23.3	22.2	20.0	22.7	-	23.3	23.8	19.4	21.6	21.1	23.8	20.0
14	-	22.2	22.2	20.0	22.2	22.7	23.8	18.5	20.0	-	23.3	20.0
15	23.3	22.2	20.5	-	22.7	22.7	-	18.3	22.2	19.4	22.7	19.4
16	23.3	24.4	20.0	23.3	23.8	23.3	21.4	18.3	-	21.1	22.2	-
17	23.3	23.3	24.4	22.2	23.3	-	21.1	20.0	20.5	19.4	20.0	20.0
18	23.8	-	-	22.2	22.7	22.2	23.3	20.0	20.0	17.7	-	18.8
19	24.4	23.8	21.1	22.2	22.2	23.3	21.1	-	23.3	17.7	19.4	20.0
20	22.2	22.2	22.7	21.1	-	23.3	23.3	-	23.3	20.5	18.8	18.3
21	-	22.2	23.8	21.1	21.1	22.2	22.2	19.4	23.8	-	22.2	18.3
22	22.2	22.2	24.4	-	22.2	22.2	-	19.4	24.4	20.0	22.7	18.3
23	20.0	21.6	-	21.1	22.2	23.3	21.1	18.8	-	19.4	22.2	-
24	24.4	22.2	-	20.0	22.7	-	21.1	17.7	-	18.8	22.2	-
25	24.4	-	-	20.0	22.2	23.3	20.0	19.4	24.4	18.8	-	-
26	23.8	21.6	22.2	20.0	22.2	22.2	20.0	-	22.2	18.8	21.6	20.0
27	25.5	22.2	21.1	20.0	-	23.3	19.4	19.4	21.1	17.2	18.8	19.4
28	-	22.2	21.1	20.5	22.2	23.3	-	21.1	21.1	-	-	19.4
29	23.8	-	20.0	-	22.2	24.4	-	22.2	17.1	22.2	18.8	18.8
30	23.3		20.0	21.1	22.2	24.4	-	21.6	-	23.3	18.8	-
31	23.3		20.0	-	22.2	-	20.0	21.6	-	21.6	-	-
Prom. Mens.	23.8	22.5	21.7	21.4	22.3	22.9	22.4	19.9	21.7	20.5	21.2	19.3

PROMEDIO ANUAL = 21.6

E L A L T O

Lat. 04° 15' S.
Long. 81° 14' W. de G.
Alt. 270 mts. s.n. del mar.

TEMPERATURA DEL AGUA DEL MAR OBSERVADA A HORAS 13.00

Fecha	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
1	-	23.8	23.8	-	-	22.7	-	20.0	21.1	18.3	22.2	20.0
2	22.7	23.3	23.3	23.3	22.7	23.3	23.3	20.0	-	19.4	22.2	-
3	24.4	24.4	23.3	22.2	21.6	-	23.3	21.6	20.0	22.2	23.3	21.1
4	25.5	-	-	22.2	23.3	23.6	22.2	22.7	20.0	23.3	-	21.1
5	23.3	-	23.3	21.1	23.3	23.8	23.3	-	23.8	23.8	23.3	22.2
6	-	-	23.3	21.1	-	23.8	23.3	22.2	24.4	22.2	22.2	22.2
7	-	20.0	22.2	23.3	22.7	24.4	22.7	21.6	23.3	-	22.2	-
8	25.5	20.0	22.2	-	22.7	23.8	-	22.2	23.3	24.4	22.2	22.2
9	25.5	22.2	25.5	24.4	22.7	24.4	23.3	22.2	-	22.7	21.1	-
10	25.5	22.2	24.4	21.6	22.2	-	23.3	22.2	22.2	23.3	18.8	21.1
11	25.5	-	-	22.7	21.6	23.3	24.4	22.2	22.2	23.3	-	20.5
12	25.0	23.3	22.7	22.2	22.7	24.4	24.4	21.1	22.2	22.2	23.8	20.0
13	25.5	23.3	21.6	22.2	-	23.3	24.4	20.0	22.2	23.3	24.4	22.2
14	-	23.3	22.2	21.1	23.3	23.3	24.4	19.4	22.2	-	23.3	22.2
15	22.2	22.2	22.2	-	22.2	24.4	-	18.8	23.3	19.4	23.8	20.5
16	23.8	23.3	22.2	22.2	22.2	23.8	25.0	18.8	-	21.6	21.6	-
17	23.8	24.4	25.0	21.1	23.8	-	25.5	21.6	22.2	21.6	21.6	21.1
18	25.0	-	-	23.3	23.3	24.4	24.4	21.1	22.7	22.2	-	20.0
19	25.0	26.1	23.3	23.3	23.3	24.4	23.3	-	23.8	20.0	20.5	21.1
20	25.0	23.8	23.3	24.4	-	24.4	23.8	-	24.4	22.2	19.4	20.0
21	-	23.8	25.5	23.3	22.2	23.8	23.3	20.5	24.4	-	22.7	19.4
22	22.2	25.5	25.0	-	23.3	24.4	-	20.0	24.4	20.0	23.8	21.1
23	21.1	23.3	-	22.2	22.2	24.4	21.6	18.8	-	21.1	24.4	-
24	22.2	24.4	-	21.1	23.8	-	21.6	23.8	-	21.1	23.3	-
25	25.5	-	-	21.1	23.3	24.4	22.2	20.0	25.0	20.0	-	-
26	24.4	22.2	22.7	21.6	23.3	23.3	22.7	-	22.7	13.8	22.7	21.1
27	25.5	23.3	22.7	21.6	-	24.4	20.0	20.0	22.2	21.1	21.1	22.2
28	-	23.3	21.6	22.2	23.3	25.5	-	20.5	21.1	-	20.0	21.1
29	25.0	-	21.1	-	22.2	25.5	-	23.3	20.0	24.4	19.4	21.1
30	24.4	-	21.1	21.6	22.2	25.5	-	23.3	-	23.3	18.8	-
31	23.8	-	21.1	-	22.7	-	20.0	21.1	-	23.3	-	-
Promedio	24.3	23.2	23.0	22.3	22.8	24.1	23.2	21.1	22.6	21.8	22.1	21.2

PROMEDIO ANUAL = 22.6

E L A L T O

Lat. 04° 15' S.
Long. 81° 14' W. de G.
Alt. 270 mets. s.n. del mar.

TEMPERATURA DEL AGUA DEL MAR OBSERVADA A HORAS 18.00

Fecha	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
1	-	25.3	24.4	-	-	22.7	-	20.0	21.1	18.3	23.3	20.0
2	-	23.3	23.8	22.7	23.3	23.3	24.4	21.1	-	18.5	23.3	-
3	25.5	24.4	24.4	22.2	23.3	-	24.4	21.6	20.0	23.3	23.3	21.1
4	25.5	-	-	22.2	22.7	24.4	23.3	22.7	23.3	22.7	-	21.1
5	25.5	-	23.3	21.1	23.3	23.8	23.3	-	21.6	23.3	23.3	21.6
6	-	-	23.3	21.1	-	24.4	23.3	22.2	23.8	22.2	22.2	22.2
7	-	19.4	23.3	23.3	22.7	24.4	22.7	21.6	22.7	-	22.2	22.2
8	25.5	20.0	25.5	-	22.2	24.4	-	22.2	23.3	24.4	21.1	22.2
9	25.5	22.2	24.4	24.4	22.7	24.4	23.3	22.2	-	23.3	20.0	-
10	25.5	25.5	24.4	21.6	21.1	-	21.4	22.2	22.7	23.3	18.8	21.1
11	25.5	-	-	22.2	22.7	23.3	24.4	22.2	22.2	23.3	-	20.0
12	23.3	23.3	24.4	22.2	22.7	24.4	23.3	21.1	22.2	22.2	23.8	20.5
13	24.4	23.8	23.3	21.1	-	23.3	25.0	20.5	22.2	23.3	23.3	22.2
14	-	22.2	22.2	22.2	23.8	23.8	21.1	19.4	21.6	-	23.8	20.0
15	24.4	22.2	22.7	-	24.4	24.4	-	18.8	23.3	20.0	22.7	20.0
16	25.5	24.4	23.3	22.2	24.4	23.8	25.5	18.8	-	22.2	21.1	-
17	25.1	24.4	25.0	22.2	23.3	-	25.5	22.2	22.2	22.2	21.6	21.1
18	26.1	-	-	23.3	23.3	24.4	24.4	21.1	22.7	20.0	-	20.0
19	25.5	24.4	24.4	23.3	23.3	24.4	23.3	-	23.8	20.0	20.5	20.0
20	25.0	24.4	25.5	23.3	-	24.4	23.3	-	23.8	22.2	20.0	20.0
21	-	23.8	24.4	23.3	21.1	23.3	23.3	20.5	24.4	-	23.3	19.4
22	25.0	25.5	25.0	-	23.3	24.4	-	20.0	24.4	20.0	23.8	21.1
23	23.3	24.4	-	22.2	23.5	24.4	22.7	20.0	-	22.1	24.4	-
24	24.4	24.4	-	22.2	23.3	-	21.1	23.8	-	21.1	24.4	-
25	25.5	-	-	21.1	23.3	24.4	20.0	20.0	24.4	20.0	-	-
26	24.4	22.7	23.3	21.6	23.3	23.3	23.3	-	22.7	18,8	22.2	21.1
27	25.5	23.3	22.7	22.2	-	24.4	20.0	20.0	22.2	21.1	21.1	20.0
28	-	23.3	22.2	22.2	23.8	25.0	-	21.6	21.1	-	20.0	21.1
29	25.0	-	23.3	-	23.5	24.4	-	23.8	20.5	24.4	20.0	21.1
30	25.0	-	21.6	21.6	23.3	25.5	-	23.3	-	23.3	18.8	-
31	24.4	-	21.6	-	23.3	-	20.0	20.5	-	23.3	-	-
Mens.	25.1	23.4	23.7	22.3	23.1	24.1	23.3	21.2	22.6	21.9	22.0	20.8

PROMEDIO ANUAL = 22.8

L O B I T O S

Lat. 04° 27' S.
Long. 81° 17' W. de G.
Alt. 20 mts. s.n. del mar.

TEMPERATURA DEL AGUA DEL MAR OBSERVADA A HORAS 07.00

Fecha	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
1	20.5	21.0	19.5	19.0	21.0	20.5	22.0	19.5	18.0	16.5	17.0	17.0
2	21.0	18.5	22.0	19.5	20.0	21.0	22.0	19.0	16.5	16.0	19.0	18.0
3	21.5	20.5	20.5	19.5	20.5	20.5	21.5	18.0	18.5	16.0	19.5	18.5
4	21.5	19.5	20.5	19.5	21.0	22.0	21.0	19.5	19.5	19.0	20.0	16.5
5	24.0	19.0	21.0	19.5	20.5	22.0	21.0	19.0	19.0	20.0	21.0	18.0
6	24.0	18.5	19.5	20.0	21.0	22.0	21.0	19.5	19.5	20.0	21.0	18.5
7	24.0	18.0	19.5	19.0	20.5	22.0	21.0	20.5	19.5	20.5	21.0	18.0
8	24.0	18.5	20.0	20.0	20.5	22.0	20.5	20.0	19.5	20.5	18.5	17.0
9	23.5	19.0	20.0	19.0	21.0	22.0	20.5	20.0	19.5	20.5	18.5	19.5
10	23.5	20.0	21.0	19.0	21.0	21.5	20.0	21.0	20.5	20.0	18.5	18.0
11	21.5	21.0	21.5	19.5	21.5	21.5	21.0	21.0	20.0	20.0	17.0	18.5
12	21.0	21.5	20.5	19.5	21.5	21.0	21.0	21.0	19.5	19.0	19.5	18.0
13	21.5	21.0	22.0	19.5	21.5	22.0	21.5	19.5	18.5	19.0	18.5	18.5
14	21.0	21.0	21.0	19.5	21.5	21.5	21.5	19.0	18.5	18.5	20.5	19.5
15	22.0	21.0	20.5	19.5	21.5	21.5	20.5	19.0	18.0	18.0	19.0	19.5
16	22.0	21.0	20.0	19.0	22.0	21.5	21.0	18.5	16.5	18.0	19.5	18.5
17	21.5	21.0	20.5	19.0	23.0	22.0	21.0	18.0	16.0	17.0	19.0	19.5
18	22.0	21.5	21.5	19.0	23.0	22.0	22.0	18.0	15.5	18.0	18.5	19.0
19	23.5	21.5	21.0	19.5	22.0	22.0	20.0	18.0	15.5	17.0	18.5	18.0
20	23.0	20.5	20.5	19.5	21.0	22.0	20.0	18.5	16.0	18.0	18.0	17.0
21	20.0	21.0	21.5	19.5	21.0	22.0	19.6	18.5	20.5	18.5	18.0	17.0
22	19.0	21.0	23.0	20.5	20.5	21.0	19.0	18.0	20.0	18.0	19.0	17.0
23	18.5	19.5	23.5	19.5	20.5	21.5	19.0	19.0	20.0	18.5	20.5	20.0
24	20.5	19.5	22.0	19.0	21.0	22.0	19.5	17.0	19.5	18.0	21.5	20.5
25	21.5	19.5	21.5	19.0	21.0	21.5	18.5	17.0	20.5	18.0	20.0	18.0
26	23.5	19.0	20.5	19.5	21.0	20.0	19.5	17.0	20.5	18.5	21.0	18.0
27	23.5	19.0	20.0	20.0	21.0	21.0	19.0	17.0	20.5	18.0	19.0	19.0
28	21.5	19.5	19.5	20.0	21.0	23.0	18.5	17.0	18.0	16.5	18.5	18.0
29	21.5	-	19.5	19.5	21.0	23.0	18.5	17.0	18.0	17.0	18.5	17.0
30	21.5	-	19.0	19.5	21.0	23.0	18.5	19.0	20.0	17.0	17.0	18.0
31	21.5	-	19.5	-	21.0	-	18.0	18.0	-	19.0	-	18.0
Prom.	21.9	20.1	20.7	19.4	21.1	21.7	20.2	18.7	18.6	18.3	19.2	18.2

PROMEDIO ANUAL = 19.9

L O B I T O S

Lat. 04° 27' S.
Long. 81° 17' W. de G.
Alt. 20 mts. s.n. del mar.

TEMPERATURA DEL AGUA DEL MAR OBSERVADA A HORAS 13.00

Fecha	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
1	21.0	20.5	21.0	20.0	20.5	21.5	23.0	19.0	18.5	18.0	18.0	18.0
2	21.5	20.0	23.0	20.0	20.5	21.5	22.0	19.0	18.5	18.0	19.0	17.0
3	21.5	20.5	21.0	21.0	21.0	21.0	22.0	19.0	18.0	18.0	20.5	18.0
4	24.0	20.5	21.0	19.5	21.5	22.0	21.5	19.5	19.5	18.0	21.0	18.5
5	23.5	20.5	21.0	20.0	21.0	23.0	21.5	20.0	19.5	20.5	21.5	18.5
6	24.0	20.0	20.0	19.5	21.0	23.0	22.0	20.0	20.0	22.0	20.0	18.5
7	24.5	20.0	20.0	20.0	21.0	23.0	21.5	20.5	20.0	22.0	20.0	18.5
8	25.0	19.0	20.5	20.0	21.5	23.0	20.5	20.5	20.0	22.0	19.5	18.0
9	24.0	21.0	21.0	19.5	21.5	23.0	21.0	21.0	20.0	20.0	18.5	19.0
10	24.5	21.0	21.5	20.0	21.5	23.0	20.5	21.5	20.5	20.5	18.5	18.5
11	23.0	22.0	21.0	20.0	22.0	21.5	21.0	20.5	20.0	20.0	18.5	18.5
12	23.0	23.0	20.5	20.0	22.0	22.0	20.5	20.0	19.5	19.5	20.0	18.5
13	22.0	22.0	24.0	20.0	22.0	23.0	22.0	20.0	19.5	20.0	19.0	18.5
14	22.0	21.5	21.5	20.0	22.0	22.0	21.5	19.5	18.0	20.0	21.0	19.5
15	23.0	21.5	21.5	20.0	23.0	22.0	21.5	19.5	18.0	18.0	20.0	18.5
16	23.5	21.5	21.5	19.5	23.0	23.0	22.0	18.5	17.0	19.0	19.5	19.5
17	23.5	23.0	21.0	19.5	23.5	23.5	21.5	18.5	16.5	18.5	19.5	20.5
18	22.0	23.5	21.5	19.5	23.0	23.0	20.5	18.5	16.5	18.5	19.5	19.5
19	24.0	23.0	21.5	20.0	23.0	23.0	20.0	18.5	16.5	18.0	19.5	18.0
20	23.0	21.0	21.0	20.0	21.5	23.0	20.0	19.0	18.5	18.0	18.5	18.0
21	21.0	20.5	21.0	20.5	21.0	23.0	20.5	19.0	20.5	18.5	18.5	18.0
22	21.0	20.5	22.0	20.0	21.0	21.5	19.5	18.5	21.0	18.5	19.5	18.0
23	19.5	20.0	22.0	19.5	21.0	22.0	20.0	19.0	20.5	19.0	21.0	20.0
24	21.5	20.0	21.5	20.0	21.5	23.0	20.0	18.0	21.0	18.5	20.5	18.5
25	23.5	19.5	22.0	20.0	21.5	22.0	19.5	18.0	21.0	19.5	20.5	19.0
26	24.0	20.0	21.5	20.0	22.0	21.5	19.5	18.5	21.0	18.5	20.5	19.0
27	21.5	20.0	21.0	20.5	21.0	21.5	19.0	18.5	20.0	18.0	19.0	19.0
28	23.5	20.0	20.5	20.5	21.5	22.0	18.5	18.0	18.5	18.0	18.5	18.5
29	21.5	-	20.0	20.0	21.5	23.5	19.5	18.0	18.5	19.5	18.5	18.5
30	22.0	-	19.5	20.5	21.5	23.0	19.0	20.0	18.5	19.5	18.5	19.0
31	21.5	-	16.5	-	21.5	-	19.0	18.5	-	18.0	-	19.0
Prom. Mens.	22.6	20.9	21.0	20.0	21.6	22.4	20.6	19.2	19.2	19.2	19.5	18.6

PROMEDIO ANUAL = 20.4

L O B I T O S

Lat. 04° 27' S.
Long. 81° 17' W. de G.
Alt. 20 mts. s.n. del mar.

TEMPERATURA DEL AGUA DEL MAR OBSERVADA A HORAS 18.00

Fecha	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
1	20.0	20.0	21.0	20.5	23.0	21.5	22.0	19.0	19.5	17.0	18.0	19.0
2	22.0	20.5	21.0	20.5	20.5	21.5	22.0	19.0	18.5	16.5	19.5	18.5
3	21.0	20.5	19.0	19.5	21.0	23.0	22.0	19.5	18.0	17.0	21.0	18.0
4	24.0	21.0	18.5	20.0	21.5	22.0	21.5	20.0	19.5	18.5	21.0	18.0
5	24.0	20.0	20.5	20.5	22.0	22.0	21.5	19.5	19.5	20.0	21.5	19.5
6	24.0	20.5	19.5	20.0	22.0	23.0	21.5	20.0	20.0	21.0	21.0	19.0
7	24.5	19.0	20.0	19.5	21.0	23.0	21.0	20.0	20.0	21.0	18.5	18.5
8	25.0	20.0	21.0	20.0	21.5	23.0	21.0	20.0	20.0	22.0	19.0	18.0
9	23.5	21.5	21.5	19.5	22.0	23.0	21.0	21.0	20.0	20.0	18.0	18.5
10	24.0	21.5	23.5	20.0	22.0	23.0	21.5	22.0	20.5	20.5	18.0	18.5
11	22.0	22.0	21.0	20.0	22.0	21.5	21.5	20.5	20.0	20.0	18.0	18.5
12	23.0	22.0	21.0	20.0	23.0	23.0	21.0	20.0	19.0	18.5	19.5	18.0
13	22.0	21.5	22.0	20.0	22.0	22.0	22.0	20.0	19.5	19.5	19.0	19.0
14	22.0	21.5	22.0	20.0	22.0	22.0	21.5	19.5	18.0	19.5	21.0	19.0
15	22.0	21.0	21.0	19.5	23.0	23.0	21.0	19.0	18.5	18.5	20.0	18.5
16	22.0	21.5	22.0	19.5	23.0	23.0	22.0	18.5	19.0	18.5	19.5	19.5
17	23.0	22.0	22.0	19.5	23.5	23.0	21.5	18.5	16.5	18.5	20.0	20.0
18	24.0	21.5	21.0	20.0	23.0	23.0	20.5	19.5	16.5	18.5	20.0	18.5
19	24.0	21.0	21.0	19.5	21.5	23.0	20.0	19.0	16.5	18.0	20.0	18.5
20	22.0	21.5	21.0	20.0	21.5	23.0	20.0	19.5	20.5	18.0	18.5	18.0
21	21.0	20.5	21.5	20.0	21.0	23.0	21.0	19.0	21.5	18.0	18.5	18.0
22	20.0	20.5	24.0	19.5	21.0	21.5	20.0	18.5	20.0	18.5	19.5	18.5
23	21.0	20.0	22.0	20.0	21.0	22.0	19.5	19.0	20.5	18.5	22.0	19.0
24	22.0	20.5	21.0	19.5	21.5	23.0	20.0	18.5	20.0	18.5	20.5	18.0
25	24.0	20.0	22.0	20.0	21.5	22.0	20.0	18.5	21.5	19.0	20.0	19.0
26	23.5	19.5	20.5	19.5	21.5	21.5	19.5	18.5	21.5	19.0	20.5	19.5
27	22.0	20.0	21.0	19.5	22.0	21.5	19.5	18.5	20.0	18.5	19.5	18.5
28	21.0	21.0	20.0	21.0	21.5	22.0	19.0	18.0	18.5	19.0	19.0	18.5
29	21.5	-	19.5	20.5	21.5	22.0	19.0	18.0	18.5	19.0	17.0	18.5
30	22.0	-	19.5	20.5	21.5	22.0	18.5	19.5	18.5	19.0	18.0	18.0
31	21.0	-	21.0	-	21.5	-	18.5	18.5	-	18.0	-	19.0
Prom. Mens.	22.5	20.8	21.0	19.9	21.8	22.3	20.7	19.3	19.3	18.9	19.5	18.6

PROMEDIO ANUAL = 20.4

T A L A R A

Lat. 04° 34' S.
Long. 81° 15' W. de G.
Alt. 87 mts. s.n. del mar.

TEMPERATURA DEL AGUA DEL MAR OBSERVADA A HORAS 07.00

Fecha	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
1	19.8	21.1	20.0	20.6	21.7	21.1	20.0	-	-	-	-	-
2	20.0	21.1	20.0	20.6	20.6	22.2	20.6	20.0	-	-	-	-
3	21.6	21.1	20.6	20.3	20.0	22.2	22.2	21.0	-	-	-	-
4	22.2	20.0	20.6	20.0	20.1	22.2	22.2	22.0	-	-	-	-
5	23.9	20.0	22.2	20.0	20.1	21.0	22.2	20.0	-	-	-	-
6	21.1	20.0	20.0	21.1	20.1	22.8	21.1	20.0	-	-	-	-
7	25.0	21.7	20.0	20.0	20.1	22.2	21.1	20.0	-	-	-	-
8	25.0	18.2	20.0	20.0	21.7	21.1	20.6	20.0	-	-	-	-
9	24.4	18.3	20.6	19.4	21.7	23.3	21.1	19.0	-	-	-	-
10	24.4	21.7	20.6	19.4	21.7	21.0	20.6	20.0	-	-	-	-
11	24.3	22.8	21.1	18.3	21.1	21.7	20.6	20.0	-	-	-	-
12	21.1	22.2	19.4	20.0	21.7	20.0	20.6	20.0	-	-	-	-
13	22.2	22.8	20.6	20.0	21.4	21.1	20.0	20.0	-	-	-	-
14	22.8	22.2	21.6	20.6	21.1	22.2	20.6	20.0	-	-	-	-
15	22.2	22.2	22.2	21.1	21.7	21.7	21.1	18.0	-	-	-	-
16	22.2	23.3	20.6	20.8	22.2	22.2	21.1	18.0	-	-	-	-
17	22.8	23.3	21.7	21.1	21.1	22.5	20.6	18.0	-	-	-	-
18	23.3	24.1	21.6	21.1	21.1	21.1	21.1	17.8	-	-	-	-
19	22.2	23.9	21.1	20.0	22.2	22.8	20.6	20.0	-	-	-	-
20	23.9	22.2	21.1	20.0	22.2	22.8	20.0	19.0	-	-	-	-
21	22.2	22.8	21.1	20.0	22.2	22.8	20.5	19.0	-	-	-	-
22	21.1	22.5	23.3	20.0	21.1	21.7	20.0	18.8	-	-	-	-
23	20.0	21.1	22.2	20.6	21.1	22.0	20.0	20.0	-	-	-	-
24	20.6	20.0	22.8	20.6	21.1	22.2	21.1	20.5	-	-	-	-
25	21.7	20.0	22.2	20.0	21.5	22.2	19.4	20.0	-	-	-	-
26	23.3	20.5	21.1	20.6	21.7	21.7	19.8	18.0	-	-	-	-
27	22.8	18.9	22.2	20.6	21.7	22.0	20.0	18.0	-	-	-	-
28	23.9	19.4	21.1	20.0	22.2	23.0	21.1	18.5	-	-	-	-
29	23.9	-	20.6	20.6	21.7	21.1	20.6	18.5	-	-	-	-
30	22.2	-	20.6	20.6	21.7	21.1	21.1	18.0	-	-	-	-
31	22.0	-	20.0	-	21.7	-	22.0	19.0	-	-	-	-
Prom. Mens.	22.5	21.4	21.0	20.2	21.3	21.9	20.8	21.5	19.4	-	-	-

PROMEDIO ANUAL = 21.1

T A L A R A

Lat. 04° 34' S.
Long. 81° 15' W. de G.
Alt. 87 mts. s.n. del mar.

TEMPERATURA DEL AGUA DEL MAR OBSERVADA A HORAS 13.00

Fecha	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
1	21.7	25.6	20.6	20.6	21.5	22.0	22.0	20.0	-	-	-	-
2	21.1	23.2	22.8	19.4	21.7	22.2	21.8	19.0	-	-	-	-
3	22.2	22.2	23.3	21.7	21.1	21.7	22.2	19.0	-	-	-	-
4	22.2	22.8	21.1	21.6	21.0	22.2	20.6	20.0	-	-	-	-
5	25.6	26.6	22.2	20.0	21.1	22.0	21.1	20.0	-	-	-	-
6	22.8	22.2	22.8	20.6	21.1	22.0	22.8	21.0	-	-	-	-
7	25.0	20.6	21.7	20.0	20.8	23.3	21.1	20.0	-	-	-	-
8	25.6	20.6	22.8	20.0	21.0	23.0	21.1	20.0	-	-	-	-
9	25.6	21.7	21.1	21.1	21.1	22.0	21.1	20.0	-	-	-	-
10	23.3	23.3	22.2	20.0	21.1	22.8	21.1	20.0	-	-	-	-
11	23.9	22.8	21.1	20.0	21.1	22.2	22.2	20.0	-	-	-	-
12	23.3	22.8	21.1	20.6	22.0	22.0	22.2	20.0	-	-	-	-
13	25.6	20.6	22.0	20.0	22.8	22.2	22.7	22.0	-	-	-	-
14	23.9	23.3	22.8	20.0	21.1	22.8	22.2	22.0	-	-	-	-
15	21.1	22.2	21.1	20.0	22.0	22.2	21.8	21.0	-	-	-	-
16	22.8	24.4	22.2	21.5	20.8	22.0	21.5	21.0	-	-	-	-
17	23.3	22.2	22.2	19.4	23.3	21.7	22.7	21.8	-	-	-	-
18	22.8	22.8	22.2	20.6	21.7	22.8	21.1	22.0	-	-	-	-
19	23.9	22.2	22.2	20.8	21.0	22.8	21.1	21.0	-	-	-	-
[illegible]	22.8	22.8	22.2	20.6	21.1	21.8	20.0	22.0	-	-	-	-
21	22.8	22.2	21.7	20.6	22.2	22.0	21.1	20.0	-	-	-	-
22	22.8	23.0	24.1	20.6	21.7	21.8	21.8	24.0	-	-	-	-
23	23.3	22.8	22.8	20.6	22.8	21.6	22.2	20.0	-	-	-	-
24	23.3	22.8	24.4	21.0	21.1	23.3	20.6	23.0	-	-	-	-
25	23.9	20.6	22.2	20.6	21.1	23.3	21.1	22.0	-	-	-	-
26	22.2	23.3	23.3	21.1	22.2	23.3	21.5	21.8	-	-	-	-
27	23.3	20.0	21.5	21.0	22.2	23.2	21.8	21.5	-	-	-	-
28	24.4	22.5	21.1	21.5	21.7	22.0	22.2	22.0	-	-	-	-
29	24.0	-	22.2	21.1	23.3	21.7	22.2	21.0	-	-	-	-
30	23.3	-	19.4	21.1	22.2	23.4	21.8	20.0	-	-	-	-
31	24.4	-	20.6	-	22.2	-	22.0	21.5	-	-	-	-
Prom. Mens.	23.4	22.6	22.0	20.6	21.6	22.4	21.6	20.9	-	-	-	-

PROMEDIO ANUAL = 21.9

T A L A R A

Lat. 04° 34' S.
Long. 81° 15' W. de G.
Alt. 87 mts. s.n. del mar.

TEMPERATURA DEL AGUA DEL MAR OBSERVADA A HORAS 18.00

Fecha	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
1	20.8	21.7	20.6	20.0	21.0	22.2	22.0	20.0	-	-	-	-
2	21.1	22.2	20.6	20.5	21.1	22.2	22.5	20.0	-	-	-	-
3	22.2	21.1	21.0	20.5	20.4	22.8	22.7	20.0	-	-	-	-
4	22.2	21.1	21.1	20.6	21.1	21.7	22.7	20.0	-	-	-	-
5	21.7	21.7	20.6	20.0	20.1	21.0	22.2	20.0	-	-	-	-
6	23.9	22.8	22.2	18.3	21.1	20.6	22.2	21.0	-	-	-	-
7	25.0	19.4	21.1	18.6	21.1	23.3	21.1	20.0	-	-	-	-
8	25.6	21.4	22.2	18.9	22.2	21.8	22.2	21.0	-	-	-	-
9	25.6	23.9	21.5	19.4	22.1	21.1	22.2	21.0	-	-	-	-
10	17.8	22.2	21.8	20.0	21.7	23.3	21.1	19.0	-	-	-	-
11	22.8	21.1	22.2	20.6	21.7	22.8	20.6	21.0	-	-	-	-
12	23.0	23.3	21.8	20.6	22.8	23.3	22.2	20.0	-	-	-	-
13	22.8	23.3	21.4	20.6	22.2	22.0	21.5	20.0	-	-	-	-
14	23.9	22.4	22.8	21.1	22.2	21.8	21.0	20.0	-	-	-	-
15	23.8	23.3	22.8	21.1	22.0	21.7	21.1	20.0	-	-	-	-
16	23.9	21.7	22.2	21.1	21.8	22.2	22.2	20.0	-	-	-	-
17	24.0	23.9	21.7	20.0	21.7	22.0	21.1	19.0	-	-	-	-
18	17.8	23.3	21.6	20.6	20.6	23.3	21.1	19.5	-	-	-	-
19	22.2	21.1	21.1	21.1	22.0	22.8	21.5	19.0	-	-	-	-
20	24.4	21.7	21.6	22.2	21.5	21.7	22.2	20.0	-	-	-	-
21	20.6	21.7	22.0	22.0	21.7	22.2	20.6	20.0	-	-	-	-
22	21.1	20.6	22.2	20.0	22.8	22.6	21.8	21.5	-	-	-	-
23	22.2	20.0	22.8	20.6	21.7	22.0	21.8	21.0	-	-	-	-
24	24.0	20.6	22.2	21.1	22.2	22.2	21.1	22.0	-	-	-	-
25	22.2	19.4	21.7	20.6	22.2	22.5	21.0	20.0	-	-	-	-
26	22.3	22.2	22.2	20.0	21.8	23.0	21.1	18.0	-	-	-	-
27	21.8	20.0	22.2	20.0	22.8	21.7	21.5	20.0	-	-	-	-
28	22.8	20.6	21.1	20.0	22.8	22.8	20.0	20.0	-	-	-	-
29	22.0	-	22.8	20.6	23.3	22.8	21.8	20.0	-	-	-	-
30	22.8	-	20.6	20.6	21.1	22.8	21.6	21.0	-	-	-	-
31	22.8	-	20.0	-	22.2	-	22.0	21.0	-	-	-	-
Prom. Mens.	22.6	21.7	21.7	20.4	21.8	22.2	21.7	20.2	-	-	-	-

PROMEDIO ANUAL = 21.5

P A I T A

Lat. 05° 04' S.
Long. 81° 07' W. de G.
Alt.

TEMPERATURA DEL AGUA DEL MAR OBSERVADA A HORAS 07.00

Fecha	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
1	-	-	-	-	-	-	-	-	-	16.0	17.0	17.0
2	-	-	-	-	-	-	-	-	-	16.0	18.0	17.0
3	-	-	-	-	-	-	-	-	-	16.0	17.0	16.0
4	-	-	-	-	-	-	-	-	-	16.0	16.0	16.0
5	-	-	-	-	-	-	-	-	-	16.0	16.0	17.0
6	-	-	-	-	-	-	-	-	-	16.0	16.0	17.0
7	-	-	-	-	-	-	-	-	-	16.0	17.0	17.0
8	-	-	-	-	-	-	-	-	-	16.0	16.0	17.0
9	-	-	-	-	-	-	-	-	-	16.0	17.0	17.0
10	-	-	-	-	-	-	-	-	-	16.0	16.0	17.0
11	-	-	-	-	-	-	-	-	-	16.0	16.0	17.0
12	-	-	-	-	-	-	-	-	-	16.0	17.0	17.0
13	-	-	-	-	-	-	-	-	-	17.0	16.0	16.0
14	-	-	-	-	-	-	-	-	-	16.0	17.0	17.0
15	-	-	-	-	-	-	-	-	-	16.0	17.0	16.0
16	-	-	-	-	-	-	-	-	-	16.0	17.0	16.0
17	-	-	-	-	-	-	-	-	-	16.0	16.0	17.0
18	-	-	-	-	-	-	-	-	-	16.0	17.0	16.0
19	-	-	-	-	-	-	-	-	-	16.0	17.0	16.0
20	-	-	-	-	-	-	-	-	-	16.0	17.0	17.0
21	-	-	-	-	-	-	-	-	-	16.0	16.0	17.0
22	-	-	-	-	-	-	-	-	-	17.0	17.0	17.0
23	-	-	-	-	-	-	-	-	-	16.0	16.0	16.0
24	-	-	-	-	-	-	-	-	-	16.0	16.0	16.0
25	-	-	-	-	-	-	-	-	-	17.0	16.0	16.0
26	-	-	-	-	-	-	-	-	-	17.0	17.0	17.0
27	-	-	-	-	-	-	-	-	-	17.0	17.0	17.0
28	-	-	-	-	-	-	-	-	-	17.0	16.0	17.0
29	-	-	-	-	-	-	-	-	-	17.0	17.0	17.0
30	-	-	-	-	-	-	-	-	-	16.0	16.0	16.0
31	-	-	-	-	-	-	-	-	-	17.0	-	16.0
Prom. Mens.	-	-	-	-	-	-	-	-	-	16.3	16.6	16.6

P A I T A

Lat. 05° 04' S.
Long. 81° 07' W. de G.
Alt.

TEMPERATURA DEL AGUA DEL MAR OBSERVADA A HORAS 13.00

Fecha	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
1	-	-	-	-	-	-	-	-	-	16.0	18.0	17.0
2	-	-	-	-	-	-	-	-	-	17.0	17.0	17.0
3	-	-	-	-	-	-	-	-	-	17.0	17.0	16.0
4	-	-	-	-	-	-	-	-	-	17.0	17.0	16.0
5	-	-	-	-	-	-	-	-	-	16.0	17.0	17.0
6	-	-	-	-	-	-	-	-	-	17.0	17.0	17.0
7	-	-	-	-	-	-	-	-	-	17.0	16.0	17.0
8	-	-	-	-	-	-	-	-	-	17.0	17.0	17.0
9	-	-	-	-	-	-	-	-	-	17.0	17.0	17.0
10	-	-	-	-	-	-	-	-	-	17.0	17.0	17.0
11	-	-	-	-	-	-	-	-	-	17.0	16.0	17.0
12	-	-	-	-	-	-	-	-	-	16.0	17.0	17.0
13	-	-	-	-	-	-	-	-	-	16.0	17.0	16.0
14	-	-	-	-	-	-	-	-	-	17.0	16.0	17.0
15	-	-	-	-	-	-	-	-	-	17.0	16.0	16.0
16	-	-	-	-	-	-	-	-	-	17.0	16.0	16.0
17	-	-	-	-	-	-	-	-	-	17.0	17.0	17.0
18	-	-	-	-	-	-	-	-	-	17.0	16.0	16.0
19	-	-	-	-	-	-	-	-	-	17.0	16.0	16.0
20	-	-	-	-	-	-	-	-	-	17.0	16.0	17.0
21	-	-	-	-	-	-	-	-	-	17.0	17.0	17.0
22	-	-	-	-	-	-	-	-	-	16.0	16.0	17.0
23	-	-	-	-	-	-	-	-	-	17.0	17.0	16.0
24	-	-	-	-	-	-	-	-	-	17.0	17.0	16.0
25	-	-	-	-	-	-	-	-	-	16.0	17.0	16.0
26	-	-	-	-	-	-	-	-	-	17.0	16.0	17.0
27	-	-	-	-	-	-	-	-	-	16.0	16.0	17.0
28	-	-	-	-	-	-	-	-	-	16.0	17.0	17.0
29	-	-	-	-	-	-	-	-	-	16.0	16.0	17.0
30	-	-	-	-	-	-	-	-	-	16.0	16.0	16.0
31	-	-	-	-	-	-	-	-	-	16.0	-	16.0
Prom. Mens.	-	-	-	-	-	-	-	-	-	16.6	16.6	16.6

P A I T A

Lat. 05° 04' S.
Long. 81° 07' W. de G.
Alt.

TEMPERATURA DEL AGUA DEL MAR OBSERVADA A HORAS 18.00

Fecha	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
1	-	-	-	-	-	-	-	-	-	16.0	17.0	17.0
2	-	-	-	-	-	-	-	-	-	17.0	17.0	16.0
3	-	-	-	-	-	-	-	-	-	16.0	17.0	17.0
4	-	-	-	-	-	-	-	-	-	17.0	16.0	16.0
5	-	-	-	-	-	-	-	-	-	17.0	16.0	17.0
6	-	-	-	-	-	-	-	-	-	17.0	16.0	17.0
7	-	-	-	-	-	-	-	-	-	17.0	17.0	17.0
8	-	-	-	-	-	-	-	-	-	17.0	16.0	16.0
9	-	-	-	-	-	-	-	-	-	17.0	16.0	16.0
10	-	-	-	-	-	-	-	-	-	17.0	16.0	17.0
11	-	-	-	-	-	-	-	-	-	17.0	16.0	17.0
12	-	-	-	-	-	-	-	-	-	17.0	17.0	17.0
13	-	-	-	-	-	-	-	-	-	17.0	16.0	16.0
14	-	-	-	-	-	-	-	-	-	17.0	16.0	16.0
15	-	-	-	-	-	-	-	-	-	17.0	17.0	17.0
16	-	-	-	-	-	-	-	-	-	17.0	16.0	17.0
17	-	-	-	-	-	-	-	-	-	17.0	16.0	16.0
18	-	-	-	-	-	-	-	-	-	17.0	16.0	17.0
19	-	-	-	-	-	-	-	-	-	17.0	17.0	16.0
20	-	-	-	-	-	-	-	-	-	17.0	17.0	17.0
21	-	-	-	-	-	-	-	-	-	16.0	16.0	17.0
22	-	-	-	-	-	-	-	-	-	16.0	17.0	17.0
23	-	-	-	-	-	-	-	-	-	17.0	16.0	17.0
24	-	-	-	-	-	-	-	-	-	17.0	16.0	17.0
25	-	-	-	-	-	-	-	-	-	16.0	16.0	17.0
26	-	-	-	-	-	-	-	-	-	16.0	16.0	16.0
27	-	-	-	-	-	-	-	-	-	16.0	17.0	17.0
28	-	-	-	-	-	-	-	-	-	16.0	16.0	17.0
29	-	-	-	-	-	-	-	-	-	16.0	16.0	16.0
30	-	-	-	-	-	-	-	-	-	16.0	16.0	16.0
31	-	-	-	-	-	-	-	-	-	16.0	-	17.0
Prom. Mens.	-	-	-	-	-	-	-	-	-	16.6	16.3	16.4

P I M E N T E L

Lat. 06° 51' S.
Long. 79° 57' W. de G.
Alt.

TEMPERATURA DEL AGUA DEL MAR OBSERVADA A HORAS 07.00

Fecha	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
1	18.0	18.0	19.5	19.5	18.5	21.5	21.0	20.0	18.0	17.0	19.0	17.0
2	18.0	18.5	19.0	19.5	19.0	21.5	21.5	19.0	19.0	17.0	17.0	18.0
3	17.0	18.0	19.0	18.5	19.0	21.0	20.0	19.0	19.0	17.0	19.0	17.0
4	18.0	19.5	19.5	18.5	19.0	21.0	21.0	19.0	18.5	17.0	17.0	18.0
5	18.0	19.5	19.5	19.0	19.0	21.0	21.0	19.0	18.0	18.0	18.0	17.0
6	18.5	18.5	19.5	19.5	19.0	21.5	21.0	18.0	18.0	17.0	19.0	18.0
7	18.0	19.0	19.0	19.5	19.5	21.5	21.0	18.0	18.0	17.0	18.0	18.0
8	18.0	18.0	19.0	18.5	19.5	21.5	20.0	19.0	18.0	18.0	17.0	18.0
9	18.0	19.0	19.0	20.0	19.0	21.5	21.0	18.0	18.0	19.0	18.0	17.0
10	18.0	19.5	19.0	19.0	19.5	21.0	20.0	18.0	18.0	19.0	17.0	18.0
11	18.0	19.0	19.5	19.5	19.0	21.0	20.0	19.0	19.0	19.0	17.0	18.0
12	17.5	18.0	19.5	19.0	20.0	21.0	19.5	18.0	18.0	19.0	18.0	19.0
13	18.0	18.5	19.5	19.5	20.0	21.5	20.0	18.0	19.0	19.0	18.0	18.0
14	18.5	18.0	19.5	19.0	19.0	21.0	21.0	18.0	18.0	19.0	17.0	18.0
15	18.0	19.5	19.5	18.5	20.5	21.0	21.0	18.0	18.0	17.0	18.0	17.0
16	19.0	19.0	19.0	19.0	19.5	21.0	19.0	18.0	18.0	17.0	17.0	19.0
17	19.5	19.5	19.5	19.0	19.5	21.5	19.5	18.0	18.0	17.0	18.0	18.0
18	19.0	20.0	19.0	18.0	21.0	21.1	19.5	19.0	18.0	17.0	18.0	17.0
19	19.0	19.5	19.5	18.0	21.5	21.2	19.5	19.0	18.0	17.0	18.0	17.0
20	19.0	19.0	19.5	18.0	21.0	21.5	19.0	18.0	18.0	17.0	18.0	18.0
21	18.5	19.5	19.5	18.5	21.5	21.5	19.0	18.0	18.0	18.0	18.0	18.0
22	20.5	19.5	18.5	19.0	21.5	21.5	19.0	18.0	17.0	19.0	17.0	19.0
23	20.5	20.0	19.5	19.5	21.5	21.5	19.0	19.0	18.0	21.0	18.0	19.0
24	20.0	19.0	19.0	18.5	22.0	21.5	18.0	18.0	19.0	19.0	17.0	19.0
25	19.0	19.0	19.0	18.0	21.5	21.5	21.0	18.0	19.0	19.0	18.0	18.0
26	20.0	19.5	19.5	19.0	21.5	21.5	20.0	18.0	19.0	19.0	17.0	19.0
27	20.0	16.5	18.5	18.5	21.5	21.0	19.0	18.0	19.0	17.0	18.0	20.0
28	20.0	19.0	18.5	17.5	21.0	20.5	19.0	18.0	19.0	19.0	17.0	18.0
29	19.0	-	19.0	17.8	21.0	20.5	20.0	18.0	19.0	17.0	18.0	19.0
30	19.0	-	19.0	19.0	21.0	20.5	20.0	18.0	19.0	18.0	16.0	20.0
31	18.0	-	19.5	-	21.0	-	20.0	19.0	-	18.0	-	19.0
Prom. Mens.	18.7	18.9	19.2	18.8	20.2	21.2	20.0	18.4	18.4	18.0	17.7	18.2

PROMEDIO ANUAL = 19.0

P I M E N T E L

Lat. 06° 51' S.
Long. 79° 57' W. de G.
Alt.

TEMPERATURA DEL AGUA DEL MAR OBSERVADA A HORAS 13.00

Fecha	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
1	-	-	-	-	-	22.0	22.0	21.0	19.0	18.0	18.0	18.0
2	-	-	-	-	-	22.1	21.0	20.0	19.0	18.0	17.0	18.0
3	-	-	-	-	-	22.0	21.0	20.0	19.0	18.0	20.0	18.0
4	-	-	-	-	-	21.5	21.0	19.0	19.0	17.0	19.0	18.0
5	-	-	-	-	-	21.5	21.5	19.0	19.0	17.0	19.0	18.0
6	-	-	-	-	-	22.0	21.5	20.0	18.0	18.0	19.0	19.0
7	-	-	-	-	-	22.0	21.5	20.0	18.0	18.0	17.0	17.0
8	-	-	-	-	-	22.0	21.5	19.0	18.0	18.0	18.0	18.0
9	-	-	-	-	-	22.0	21.5	18.0	19.0	19.0	19.0	17.0
10	-	-	-	-	-	21.5	20.5	18.0	19.0	19.0	18.0	18.0
11	-	-	-	-	-	21.5	20.0	19.0	19.0	18.0	18.0	19.0
12	-	-	-	-	-	21.0	20.0	19.0	19.0	18.0	18.0	20.0
13	-	-	-	-	-	22.0	20.0	19.0	19.0	19.0	18.0	20.0
14	-	-	-	-	-	22.0	21.0	19.0	19.0	20.0	18.0	19.0
15	-	-	-	-	-	22.0	22.0	19.0	20.0	18.0	17.0	18.0
16	-	-	-	-	-	22.0	20.5	18.0	19.0	18.0	18.0	19.0
17	-	-	-	-	-	21.5	20.0	18.0	17.0	18.0	18.0	18.0
18	-	-	-	-	-	22.0	21.0	19.0	18.0	18.0	18.0	18.0
19	-	-	-	-	-	21.5	21.0	18.0	18.0	18.0	18.0	18.0
20	-	-	-	-	-	22.0	20.0	20.0	18.0	19.0	18.0	18.0
21	-	-	-	-	-	22.0	20.0	18.0	18.0	18.0	18.0	18.0
22	-	-	-	-	-	22.0	19.0	19.0	18.0	21.0	18.0	18.0
23	-	-	-	-	-	22.0	20.0	19.0	18.0	20.0	19.0	19.0
24	-	-	-	-	-	22.0	18.0	21.0	19.0	19.0	18.0	19.0
25	-	-	-	-	-	22.0	19.0	18.0	19.0	19.0	18.0	19.0
26	-	-	-	-	-	22.0	19.0	18.0	19.0	19.0	18.0	19.0
27	-	-	-	-	-	21.5	19.0	20.0	19.0	17.0	18.0	20.0
28	-	-	-	-	-	21.5	21.0	19.0	19.0	18.0	18.0	20.0
29	-	-	-	-	-	22.0	21.0	18.0	19.0	17.0	18.0	20.0
30	-	-	-	-	-	22.0	20.0	18.0	19.0	17.0	18.0	20.0
31	-	-	-	-	-	-	20.0	19.0	-	18.0	-	20.0
Prom. Meses.	-	-	-	-	-	21.8	20.5	19.0	18.7	18.3	18.1	18.6

PROMEDIO ANUAL = 16.2

P I M E N T E L

Lat. 06° 51' S.
Long. 79° 57' W. de G.
Alt.

TEMPERATURA DEL AGUA DEL MAR OBSERVADA A HORAS 18.0C

Fecha	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
1	-	-	-	-	-	22.5	21.0	20.0	18.0	18.0	17.0	17.0
2	-	-	-	-	-	20.0	20.0	21.0	19.0	17.0	20.0	17.0
3	-	-	-	-	-	21.5	21.0	19.0	18.5	17.0	17.0	18.0
4	-	-	-	-	-	21.5	20.0	20.0	19.0	17.0	19.0	17.0
5	-	-	-	-	-	21.0	21.0	19.0	18.0	17.0	19.0	18.0
6	-	-	-	-	-	21.5	20.0	20.0	18.0	17.0	19.0	17.0
7	-	-	-	-	-	21.5	20.5	20.0	18.0	17.0	19.0	17.0
8	-	-	-	-	-	21.5	20.5	19.0	18.0	17.0	19.0	17.0
9	-	-	-	-	-	22.1	21.0	19.0	18.0	18.0	18.0	18.0
10	-	-	-	-	-	21.8	21.0	19.0	18.0	19.0	18.0	18.0
11	-	-	-	-	-	21.1	21.0	19.0	19.0	19.0	17.0	17.0
12	-	-	-	-	-	22.0	20.0	18.0	19.0	19.0	18.0	17.0
13	-	-	-	-	-	22.0	21.5	19.0	19.0	19.0	18.0	18.0
14	-	-	-	-	-	21.5	21.5	19.0	19.0	19.0	19.0	19.0
15	-	-	-	-	-	21.5	20.5	18.0	19.0	17.0	18.0	17.0
16	-	-	-	-	-	21.0	20.5	18.0	19.0	17.0	19.0	17.0
17	-	-	-	-	-	21.0	21.0	18.0	19.0	16.0	18.0	18.0
18	-	-	-	-	-	22.5	21.0	19.0	18.0	17.0	18.0	17.0
19	-	-	-	-	-	21.0	21.0	18.0	18.0	17.0	19.0	17.0
20	-	-	-	-	-	22.0	20.0	20.0	18.0	19.0	18.0	17.0
21	-	-	-	-	-	22.0	20.0	18.0	19.0	19.0	17.0	17.0
22	-	-	-	-	-	22.0	19.0	18.0	18.0	19.0	18.0	18.0
23	-	-	-	-	-	21.5	20.0	18.0	17.0	19.0	17.0	18.0
24	-	-	-	-	-	21.5	19.0	19.0	18.0	19.0	17.0	18.0
25	-	-	-	-	-	22.0	19.0	18.0	19.0	18.0	17.0	19.0
26	-	-	-	-	-	22.2	19.0	18.0	19.0	17.0	18.0	19.0
27	-	-	-	-	-	21.0	19.0	19.0	19.0	19.0	17.0	18.0
28	-	-	-	-	-	20.0	20.0	19.0	19.0	17.0	18.0	18.0
29	-	-	-	-	-	21.0	20.0	19.0	19.0	19.0	17.0	18.0
30	-	-	-	-	-	21.5	19.0	19.0	19.0	21.0	17.0	18.0
31	-	-	-	-	-	-	20.0	18.0	-	20.0	-	18.0
Prom. Mens.	-	-	-	-	-	21.5	20.2	18.9	18.5	18.1	18.0	17.6

PROMEDIO ANUAL = 19.0

E T E N

Lat. 06° 56' S.
Long. 79° 52' W. de G.
Alt.

TEMPERATURA DEL AGUA DEL MAR OBSERVADA A HORAS 07.00

Fecha	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
1	15.0	19.0	19.0	18.0	19.5	21.0	20.5	19.0	17.0	17.0	16.0	17.0
2	15.0	18.0	19.0	19.0	20.0	20.5	20.0	18.0	18.0	18.0	17.0	17.0
3	15.0	18.0	19.0	19.0	19.5	21.0	20.5	19.0	18.0	18.0	16.0	17.0
4	14.0	17.0	20.0	18.0	19.5	21.0	21.0	19.0	17.0	17.0	16.0	17.0
5	15.5	19.0	19.0	19.3	19.5	21.0	20.0	19.0	18.0	18.0	17.0	21.0
6	15.0	18.0	19.0	17.0	19.0	22.0	21.5	19.0	18.0	18.0	16.0	17.0
7	15.6	18.0	19.3	19.0	19.8	22.0	20.0	19.0	19.0	16.0	16.0	18.0
8	18.5	19.0	19.0	18.0	20.5	22.0	20.0	19.0	19.0	17.5	17.0	17.0
9	18.0	18.0	19.5	18.0	19.0	21.0	20.5	19.0	18.0	16.5	17.0	17.0
10	18.0	19.0	18.0	18.5	19.0	21.0	19.5	18.0	18.0	17.0	17.0	16.0
11	18.0	19.5	18.0	19.0	20.0	21.0	20.0	18.0	18.0	18.0	16.0	17.0
12	16.0	19.0	19.0	18.0	20.0	21.0	20.5	18.0	17.0	17.0	17.0	16.0
13	17.0	19.0	18.5	18.0	21.0	21.0	20.0	19.0	17.0	18.0	16.0	17.0
14	18.0	19.0	19.0	18.0	22.0	21.0	20.0	19.0	17.0	18.0	17.0	17.0
15	18.5	19.0	19.0	19.0	21.0	21.0	20.0	18.0	16.0	18.0	17.0	17.0
16	19.0	20.0	19.0	19.0	20.8	21.0	20.0	18.0	16.0	17.0	17.0	17.0
17	19.0	20.0	19.0	19.0	22.0	21.0	20.0	18.0	16.0	18.0	17.0	17.0
18	19.0	19.0	19.0	18.0	21.0	22.0	20.0	18.0	16.0	17.0	17.0	17.0
19	19.0	20.0	19.0	18.0	22.0	22.0	19.0	18.0	16.0	17.0	17.0	17.0
20	20.0	20.0	19.0	17.0	22.0	22.0	18.0	17.0	15.0	18.0	16.0	17.0
21	20.0	19.5	19.0	19.0	21.5	22.0	18.0	17.0	15.0	17.0	17.0	17.0
22	20.0	20.0	19.5	19.0	22.0	22.0	19.5	17.0	16.0	17.0	16.0	17.0
23	19.0	19.0	19.0	19.0	22.0	22.0	22.0	17.0	17.0	16.0	16.0	17.0
24	19.5	18.0	19.0	19.0	22.0	22.0	20.0	17.0	17.0	17.0	17.0	18.0
25	17.0	19.0	18.5	18.0	22.0	21.0	20.3	19.0	16.0	17.0	17.0	17.0
26	19.0	18.0	19.0	18.0	22.2	21.5	20.0	18.0	16.0	16.0	18.0	19.0
27	18.0	18.5	17.0	18.0	21.5	20.0	19.0	18.0	16.0	16.0	18.0	17.0
28	18.5	19.0	18.0	19.0	20.0	21.0	19.0	17.0	17.0	16.0	17.0	17.0
29	18.0	-	18.5	18.0	21.5	20.5	19.5	18.0	17.0	16.0	16.0	17.0
30	18.0	-	18.0	18.0	21.0	19.8	19.8	18.0	17.0	17.0	-	18.0
31	18.0	-	19.0	-	21.5	-	20.0	18.0	-	16.0	-	20.0
Prom. Mens.	17.7	18.9	18.8	18.4	20.8	21.2	19.9	18.8	16.9	17.1	16.7	17.3

PROMEDIO ANUAL = 18.5

E T E N

Lat. 06° 56' S.
Long. 79° 52' W. de G.
Alt.

TEMPERATURA DEL AGUA DEL MAR OBSERVADA A HORAS 13.00

Fecha	ENE.	FEB.	MAR.	APR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
1	-	-	-	-	-	21.0	20.0	20.0	18.0	18.0	16.0	18.0
2	-	-	-	-	-	21.0	20.0	19.0	18.0	18.0	16.0	17.0
3	-	-	-	-	-	21.0	20.0	19.0	18.0	18.0	19.0	17.0
4	-	-	-	-	-	21.0	21.0	18.0	18.0	18.0	17.0	21.0
5	-	-	-	-	-	22.0	21.0	19.0	18.0	18.0	17.0	19.0
6	-	-	-	-	-	22.0	21.0	19.0	18.0	18.0	18.0	21.0
7	-	-	-	-	-	22.0	21.0	19.0	19.0	18.0	17.0	19.0
8	-	-	-	-	-	22.0	21.0	19.0	18.0	18.0	18.0	19.0
9	-	-	-	-	-	22.0	21.0	19.0	18.0	17.0	17.0	18.0
10	-	-	-	-	-	21.0	19.0	19.0	19.0	18.0	18.0	17.0
11	-	-	-	-	-	21.0	20.0	18.0	17.0	18.0	18.0	20.0
12	-	-	-	-	-	22.0	19.5	19.0	17.0	19.0	18.0	17.0
13	-	-	-	-	-	21.5	20.0	20.0	18.0	18.0	17.0	17.0
14	-	-	-	-	-	21.0	20.0	19.0	17.0	18.0	18.0	18.0
15	-	-	-	-	-	21.5	20.0	19.0	17.0	18.0	18.0	18.0
16	-	-	-	-	-	21.5	20.0	19.0	18.0	18.0	18.0	18.0
17	-	-	-	-	-	21.0	20.0	19.0	16.5	18.0	18.0	18.0
18	-	-	-	-	-	22.0	20.0	19.0	18.0	18.0	18.0	18.0
19	-	-	-	-	-	22.0	21.0	18.0	15.0	17.0	17.0	18.0
20	-	-	-	-	-	22.0	15.5	19.0	16.0	19.0	18.0	18.0
21	-	-	-	-	-	22.0	19.0	19.0	15.0	18.0	18.0	18.0
22	-	-	-	-	-	22.0	19.5	18.0	18.0	18.0	18.0	17.0
23	-	-	-	-	-	22.0	21.0	18.0	18.0	16.0	17.0	18.0
24	-	-	-	-	-	21.5	20.0	18.0	16.0	16.0	16.0	18.0
25	-	-	-	-	-	22.0	21.0	18.0	16.0	17.0	17.0	17.0
26	-	-	-	-	-	21.0	20.5	18.0	16.0	16.0	18.0	18.0
27	-	-	-	-	-	20.5	21.0	19.0	16.0	17.0	18.0	17.0
28	-	-	-	-	-	22.0	21.0	18.0	16.0	17.0	18.0	18.0
29	-	-	-	-	-	22.0	21.5	19.0	18.0	17.0	18.0	20.0
30	-	-	-	-	-	21.0	21.5	18.0	18.0	17.0	-	18.0
31	-	-	-	-	-		21.0	18.0		17.0		19.0
Prom. Mens.	-	-	-	-	-	21.6	20.2	18.7	17.3	17.6	17.6	18.2

PROMEDIO ANUAL = 18.7

E T E N

Lat. 06° 56' S.
Long. 79° 52' W. de G.
Alt.

TEMPERATURA DEL AGUA DEL MAR OBSERVADA A HORAS 18.00

Fecha	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
1	-	-	-	-	-	22.0	20.0	20.0	18.0	18.0	16.0	17.0
2	-	-	-	-	-	22.5	21.0	18.0	18.0	18.0	17.0	17.0
3	-	-	-	-	-	22.0	20.0	19.0	18.0	19.0	16.0	17.0
4	-	-	-	-	-	22.0	21.0	18.0	18.0	18.0	20.0	18.0
5	-	-	-	-	-	21.8	22.0	19.0	18.0	18.0	18.0	19.0
6	-	-	-	-	-	22.0	21.5	20.0	19.0	17.0	16.0	18.0
7	-	-	-	-	-	22.0	22.0	19.0	19.0	18.0	18.0	17.0
8	-	-	-	-	-	22.0	20.5	19.0	18.0	17.5	18.0	19.0
9	-	-	-	-	-	21.5	20.5	19.0	18.0	18.0	17.0	18.0
10	-	-	-	-	-	21.5	19.5	19.0	18.0	18.0	18.0	19.0
11	-	-	-	-	-	21.5	21.0	18.0	17.0	18.0	17.0	21.0
12	-	-	-	-	-	21.5	20.0	19.0	18.0	18.0	17.0	18.0
13	-	-	-	-	-	22.0	19.5	20.0	17.0	18.0	17.0	18.0
14	-	-	-	-	-	22.0	20.5	18.0	17.0	18.0	18.0	18.0
15	-	-	-	-	-	21.0	21.0	20.0	17.0	18.0	18.0	18.0
16	-	-	-	-	-	22.0	20.0	19.0	18.0	19.0	16.0	18.0
17	-	-	-	-	-	22.0	21.0	18.0	17.5	19.0	18.0	18.0
18	-	-	-	-	-	22.0	20.0	19.0	17.0	17.0	18.0	18.0
19	-	-	-	-	-	20.0	20.0	18.0	16.0	20.0	16.0	17.0
20	-	-	-	-	-	20.0	20.0	18.0	16.0	18.0	16.0	17.0
21	-	-	-	-	-	20.0	19.5	17.0	16.0	18.0	16.0	17.0
22	-	-	-	-	-	20.0	19.5	18.0	17.0	18.0	16.0	18.0
23	-	-	-	-	-	20.0	21.0	18.0	18.0	17.0	16.0	19.0
24	-	-	-	-	-	20.0	20.0	19.0	17.0	17.0	16.0	18.0
25	-	-	-	-	-	21.0	20.0	19.0	16.0	17.0	16.0	18.0
26	-	-	-	-	-	20.0	20.5	19.0	16.0	16.0	17.0	18.0
27	-	-	-	-	-	20.0	21.0	18.0	16.0	17.0	17.0	17.0
28	-	-	-	-	-	20.0	21.5	18.0	16.0	16.0	17.0	17.0
29	-	-	-	-	-	20.0	21.5	19.0	19.0	16.0	17.0	20.0
30	-	-	-	-	-	21.0	21.0	18.0	18.0	17.0	-	19.0
31	-	-	-	-	-	-	21.0	18.0	-	17.0	-	19.0
Prom. Mens.	-	-	-	-	-	21.2	20.6	18.6	17.4	17.7	17.0	18.1

PROMEDIO ANUAL = 18.6

P U E R T O C H I C A M A

Lat. 07° 41' S.
Long. 79° 14' W. de G.
Alt. 4 mts. s.n. del mar.

TEMPERATURA DEL AGUA DEL MAR OBSERVADA A HORAS 07.00

Fecha	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
1	14.5	16.0	18.0	17.5	17.5	19.5	18.5	18.0	17.0	16.5	15.5	16.0
2	14.5	17.0	18.0	18.0	18.0	20.0	19.0	18.0	16.0	16.5	16.5	16.0
3	14.5	15.5	18.0	17.5	18.0	20.0	19.0	17.5	17.0	16.0	16.0	17.0
4	14.0	15.5	18.0	17.5	18.0	20.5	19.0	17.5	16.5	16.0	16.0	17.0
5	14.5	15.5	18.0	18.0	18.0	20.0	19.0	17.5	16.5	17.0	16.5	16.5
6	14.5	16.0	17.5	18.0	18.0	20.0	19.0	17.5	16.5	17.0	16.0	16.0
7	14.5	16.5	17.5	18.0	18.0	20.5	20.0	17.5	16.5	16.5	16.5	16.0
8	15.0	17.0	17.5	18.0	18.5	20.5	19.5	17.5	17.0	16.5	16.0	16.0
9	14.5	17.0	17.5	17.0	18.5	20.0	19.5	17.5	16.5	16.5	16.0	16.5
10	14.5	17.0	17.5	18.0	19.0	20.0	19.0	17.5	16.0	16.0	16.0	16.0
11	15.5	17.0	17.5	17.0	19.0	20.0	19.5	18.0	17.0	16.0	16.0	16.0
12	15.5	16.5	17.5	17.5	19.0	20.0	19.0	18.0	16.0	17.0	16.5	16.0
13	16.0	16.5	18.5	17.5	19.5	20.0	18.5	18.0	16.0	16.5	16.0	16.0
14	16.0	17.0	18.0	17.5	18.0	20.0	18.5	18.0	16.0	16.5	16.0	16.5
15	16.0	16.0	18.0	17.5	19.5	20.0	18.5	18.0	16.0	16.5	16.5	17.0
16	16.0	17.0	18.0	18.0	19.5	20.0	19.0	17.5	16.0	16.5	16.0	16.5
17	16.0	18.0	18.0	17.5	19.5	20.0	18.0	17.5	16.0	17.0	16.5	17.0
18	16.5	18.0	18.0	17.0	19.5	20.0	19.0	17.5	16.0	17.5	16.5	16.5
19	17.0	18.0	18.0	18.0	20.5	20.0	19.5	17.5	16.0	17.0	16.5	16.0
20	17.0	18.0	18.0	17.5	20.5	20.0	19.0	17.5	16.0	17.0	17.0	16.5
21	17.0	19.0	18.0	17.5	20.5	20.0	18.0	17.0	16.5	17.0	17.0	16.0
22	17.0	18.5	18.0	17.5	20.0	20.0	18.5	17.0	16.0	17.0	17.0	16.0
23	18.5	18.5	18.0	18.0	20.5	20.5	18.0	17.0	16.0	17.0	16.5	16.0
24	18.5	17.5	18.0	17.5	20.5	20.5	18.0	17.5	16.0	16.5	16.0	16.5
25	17.5	18.0	18.0	17.5	20.5	20.5	18.0	16.5	16.5	16.5	16.5	16.5
26	17.5	18.0	18.0	17.5	20.0	20.0	18.0	17.0	16.5	16.5	16.5	16.5
27	17.5	18.0	18.0	18.0	20.0	19.5	18.0	17.5	16.0	15.5	16.5	17.0
28	17.5	18.0	18.0	18.0	20.0	19.5	18.0	17.5	16.5	15.5	16.0	16.0
29	17.0	-	18.0	17.5	19.0	18.5	18.5	17.5	16.0	16.0	16.5	16.0
30	17.0	-	18.0	18.0	19.0	19.5	18.5	16.5	16.0	16.5	16.0	16.0
31	17.5	-	18.0	-	21.0	-	18.0	16.5	-	16.0	-	16.0
Prom. Mens.	16.1	17.2	17.9	17.6	19.2	20.0	18.7	17.4	16.3	16.5	16.3	16.3

PROMEDIO ANUAL = 17.4

P U E R T O C H I C A M A

Lat. 07° 41' S.
Long. 79° 14' W. de G.
Alt. 4 mts. s.n. del mar.

TEMPERATURA DEL AGUA DEL MAR OBSERVADA A HORAS 16.00

Fecha	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
1	16.5	17.0	24.5	18.0	18.5	20.0	19.5	18.0	18.0	17.0	16.0	17.5
2	15.5	16.5	23.0	18.5	18.5	21.0	19.5	18.5	17.5	17.0	16.5	17.5
3	15.5	16.5	24.0	17.5	18.5	21.0	19.5	18.0	18.0	16.5	17.0	17.0
4	15.5	16.5	24.0	18.0	19.0	20.5	19.5	18.0	17.5	17.0	17.0	17.5
5	15.5	16.5	23.0	18.5	19.0	21.0	19.5	18.0	17.5	17.0	17.0	17.0
6	15.5	16.5	24.0	18.5	19.0	21.0	20.0	18.0	18.0	17.5	17.0	17.0
7	16.0	17.5	24.5	18.5	19.5	21.0	20.0	18.0	17.5	17.0	16.5	17.0
8	16.0	18.5	24.0	18.5	19.5	21.0	20.0	18.0	17.5	17.0	17.0	17.0
9	15.0	18.0	24.5	18.5	19.5	20.5	20.0	18.0	17.5	17.5	16.5	17.5
10	16.0	18.0	24.5	18.5	19.5	21.0	20.0	18.0	17.0	17.0	16.5	17.5
11	16.0	18.0	23.5	18.0	19.5	20.5	19.5	18.0	17.0	17.5	17.0	17.5
12	16.5	18.0	26.0	18.0	20.0	21.5	19.5	18.5	17.0	17.5	16.5	17.0
13	17.0	17.5	25.0	18.0	20.0	20.5	19.5	18.5	17.0	16.5	16.5	17.0
14	17.0	18.0	24.5	18.0	20.0	21.0	18.5	18.0	16.5	17.5	17.0	17.5
15	17.0	17.5	24.0	18.0	20.0	20.5	18.5	18.5	17.0	17.0	17.0	17.5
16	17.0	18.0	24.0	18.5	20.0	20.5	19.5	18.0	17.0	17.0	16.0	17.5
17	17.0	18.5	25.0	18.0	20.0	20.5	19.0	18.0	16.0	18.0	17.0	17.5
18	18.0	18.5	24.0	18.0	20.5	20.5	19.5	18.5	16.5	18.0	17.5	17.0
19	17.5	18.5	23.0	18.0	20.0	20.5	19.5	18.5	16.5	18.0	17.5	17.0
20	18.5	18.5	22.0	18.5	21.5	20.5	19.0	18.0	16.0	17.0	17.5	17.5
21	18.0	19.5	23.0	18.0	21.0	20.0	19.0	18.0	16.0	18.0	17.0	17.0
22	19.0	19.0	24.0	18.0	21.0	21.0	18.5	18.0	16.0	17.5	17.0	17.0
23	19.5	19.0	23.5	18.0	21.0	21.0	19.0	17.5	16.5	17.0	17.0	17.5
24	19.5	19.0	24.0	18.0	21.5	21.0	18.5	17.5	16.5	17.0	16.5	17.5
25	18.5	19.0	23.5	18.0	21.0	20.5	18.5	17.5	17.0	16.5	17.5	17.0
26	18.0	18.5	24.0	18.0	21.0	20.0	18.5	17.5	17.0	16.5	17.5	17.0
27	18.5	18.5	24.5	18.5	20.5	21.0	18.5	18.0	16.5	16.5	17.0	17.0
28	18.5	18.5	24.5	18.5	19.0	20.0	18.5	18.5	17.0	16.0	17.0	17.0
29	17.5	-	24.0	18.5	19.5	19.0	19.0	18.0	17.0	16.5	17.0	17.5
30	17.5	-	24.0	18.0	19.5	19.5	18.5	17.5	17.0	16.5	17.0	17.0
31	17.5	-	23.0	-	20.0	-	18.5	17.5	-	16.5	-	17.0
Prom. Mens.	17.1	18.0	24.0	18.2	19.9	20.6	19.2	18.0	17.0	17.1	16.9	17.2

PROMEDIO ANUAL = 18.6

S A L A V E R R Y

Lat. 08° 14' S.
Long. 78° 58' W. de G.
Alt.

TEMPERATURA DEL AGUA DEL MAR OBSERVADA A HORAS 07.00

Fecha	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
1	-	-	-	-	-	-	-	-	17.0	16.0	16.0	14.0
2	-	-	-	-	-	-	-	18.0	17.0	16.0	16.0	14.0
3	-	-	-	-	-	-	-	17.0	16.0	16.0	14.0	14.0
4	-	-	-	-	-	-	-	18.0	16.0	16.0	15.0	14.0
5	-	-	-	-	-	-	-	18.0	16.0	16.0	15.0	14.0
6	-	-	-	-	-	-	-	18.0	16.0	16.0	15.0	14.0
7	-	-	-	-	-	-	-	18.0	18.0	16.0	15.0	14.0
8	-	-	-	-	-	-	-	20.0	16.0	16.0	14.0	14.0
9	-	-	-	-	-	-	-	17.0	16.0	16.0	15.0	14.0
10	-	-	-	-	-	-	-	18.0	18.0	16.0	X	13.0
11	-	-	-	-	-	-	-	20.0	16.0	16.0	14.0	14.0
12	-	-	-	-	-	-	-	17.0	16.0	16.0	14.0	14.0
13	-	-	-	-	-	-	-	17.0	18.0	15.0	14.0	14.0
14	-	-	-	-	-	-	-	20.0	16.0	15.0	14.0	14.0
15	-	-	-	-	-	-	-	17.0	16.0	16.0	14.0	14.0
16	-	-	-	-	-	-	-	17.0	16.0	16.0	15.0	14.0
17	-	-	-	-	-	-	-	19.0	16.0	16.0	14.0	14.0
18	-	-	-	-	-	-	-	17.0	16.0	16.0	15.0	14.0
19	-	-	-	-	-	-	-	19.0	15.0	16.0	14.0	13.0
20	-	-	-	-	-	-	-	17.0	18.0	16.0	14.0	14.0
21	-	-	-	-	-	-	-	17.0	16.0	15.0	14.0	14.0
22	-	-	-	-	-	-	-	17.0	16.0	16.0	14.0	14.0
23	-	-	-	-	-	-	-	20.0	16.0	16.0	14.0	14.0
24	-	-	-	-	-	-	-	17.0	15.0	15.0	12.0	14.0
25	-	-	-	-	-	-	-	17.0	16.0	15.0	14.0	14.0
26	-	-	-	-	-	-	-	18.0	17.0	14.0	14.0	14.0
27	-	-	-	-	-	-	-	17.0	15.0	16.0	14.0	13.0
[illegible]	-	-	-	-	-	-	-	16.0	16.0	15.0	13.0	13.0
29	-	-	-	-	-	-	-	16.0	16.0	16.0	14.0	13.0
30	-	-	-	-	-	-	-	17.0	16.0	16.0	13.0	13.0
31	-	-	-	-	-	-	-	16.0	-	15.0	-	14.0
Prom. Mens.	-	-	-	-	-	-	-	17.7	16.3	15.7	14.2	13.8

S A L A V E R R E Y

Lat. 08° 14' S.
Long. 78° 58' W. de G.
Alt.

TEMPERATURA DEL AGUA DEL MAR OBSERVADA A HORAS 13,00

Fecha	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
1	-	-	-	-	-	-	-	17.0	17.0	16.0	15.0	13.0
2	-	-	-	-	-	-	-	22.0	17.0	17.0	14.0	15.0
3	-	-	-	-	-	-	-	17.0	17.0	16.0	15.0	14.0
4	-	-	-	-	-	-	-	18.0	18.0	16.0	14.0	14.0
5	-	-	-	-	-	-	-	18.0	18.0	17.0	14.0	14.0
6	-	-	-	-	-	-	-	18.0	17.0	17.0	14.0	14.0
7	-	-	-	-	-	-	-	18.0	18.0	16.0	14.0	14.0
8	-	-	-	-	-	-	-	19.0	18.0	16.0	15.0	14.0
9	-	-	-	-	-	-	-	18.0	17.0	16.0	14.0	13.0
10	-	-	-	-	-	-	-	19.0	16.0	17.0	14.0	14.0
11	-	-	-	-	-	-	-	18.0	17.0	15.0	12.0	14.0
12	-	-	-	-	-	-	-	18.0	16.0	16.0	12.0	13.0
13	-	-	-	-	-	-	-	18.0	17.0	16.0	12.0	13.0
[illegible]	-	-	-	-	-	-	-	18.0	17.0	16.0	14.0	14.0
15	-	-	-	-	-	-	-	18.0	17.0	17.0	12.0	13.0
16	-	-	-	-	-	-	-	18.0	17.0	15.0	14.0	14.0
17	-	-	-	-	-	-	-	21.0	16.0	15.0	13.0	14.0
18	-	-	-	-	-	-	-	18.0	17.0	15.0	14.0	13.0
19	-	-	-	-	-	-	-	18.0	15.0	16.0	14.0	14.0
20	-	-	-	-	-	-	-	18.0	18.0	16.0	14.0	13.0
21	-	-	-	-	-	-	-	18.0	16.0	16.0	13.0	15.0
22	-	-	-	-	-	-	-	18.0	16.0	16.0	13.0	15.0
23	-	-	-	-	-	-	-	20.0	17.0	14.0	14.0	13.0
24	-	-	-	-	-	-	-	18.0	16.0	16.0	14.0	13.0
25	-	-	-	-	-	-	-	17.0	17.0	16.0	14.0	12.0
26	-	-	-	-	-	-	-	17.0	16.0	14.0	13.0	12.0
27	-	-	-	-	-	-	-	17.0	16.0	15.0	12.0	14.0
28	-	-	-	-	-	-	-	17.0	16.0	16.0	14.0	14.0
29	-	-	-	-	-	-	-	18.0	16.0	16.0	14.0	14.0
30	-	-	-	-	-	-	-	18.0	15.0	14.0	14.0	14.0
31	-	-	-	-	-	-	-	17.0	-	14.0	-	13.0
Prom. Mens.	-	-	-	-	-	-	-	18.2	16.7	15.7	13.7	13.6

S A L A V E R R Y

Lat. 08° 14' S.
Long. 78° 58' W. de G.
Alt.

TEMPERATURA DEL AGUA DEL MAR OBSERVADA A HORAS 18.00

Fecha	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
1	-	-	-	-	-	-	-	-	18.0	17.0	15.0	14.0
2	-	-	-	-	-	-	-	18.0	18.0	16.0	14.0	14.0
3	-	-	-	-	-	-	-	18.0	16.0	16.0	16.0	14.0
4	-	-	-	-	-	-	-	18.0	18.0	16.0	15.0	14.0
5	-	-	-	-	-	-	-	18.0	17.0	17.0	14.0	12.0
6	-	-	-	-	-	-	-	18.0	18.0	16.0	14.0	13.0
7	-	-	-	-	-	-	-	18.0	17.0	16.0	15.0	14.0
8	-	-	-	-	-	-	-	21.0	19.0	17.0	14.0	14.0
9	-	-	-	-	-	-	-	18.0	17.0	16.0	14.0	14.0
10	-	-	-	-	-	-	-	17.0	18.0	16.0	14.0	14.0
11	-	-	-	-	-	-	-	20.0	16.0	16.0	14.0	14.0
12	-	-	-	-	-	-	-	19.0	17.0	16.0	14.0	14.0
13	-	-	-	-	-	-	-	18.0	17.0	15.0	14.0	15.0
14	-	-	-	-	-	-	-	18.0	16.0	15.0	14.0	18.0
15	-	-	-	-	-	-	-	18.0	16.0	15.0	15.0	14.0
16	-	-	-	-	-	-	-	18.0	16.0	15.0	14.0	14.0
17	-	-	-	-	-	-	-	18.0	16.0	16.0	14.0	14.0
18	-	-	-	-	-	-	-	17.0	16.0	16.0	14.0	14.0
19	-	-	-	-	-	-	-	18.0	16.0	16.0	14.0	14.0
20	-	-	-	-	-	-	-	18.0	16.0	16.0	13.0	14.0
21	-	-	-	-	-	-	-	18.0	15.0	16.0	14.0	13.0
22	-	-	-	-	-	-	-	18.0	16.0	16.0	14.0	14.0
23	-	-	-	-	-	-	-	18.0	17.0	14.0	14.0	14.0
24	-	-	-	-	-	-	-	17.0	16.0	16.0	12.0	13.0
25	-	-	-	-	-	-	-	17.0	16.0	16.0	14.0	14.0
26	-	-	-	-	-	-	-	18.0	16.0	15.0	14.0	14.0
27	-	-	-	-	-	-	-	18.0	16.0	15.0	13.0	12.0
28	-	-	-	-	-	-	-	18.0	16.0	16.0	14.0	12.0
29	-	-	-	-	-	-	-	18.0	17.0	14.0	15.0	13.0
30	-	-	-	-	-	-	-	18.0	16.0	15.0	14.0	13.0
31	-	-	-	-	-	-	-	17.0	-	14.0	-	14.0
Prom. Mens.	-	-	-	-	-	-	-	18.0	16.6	15.7	14.1	13.8

C H I M B O T E

Lat. 09° 05' S.
Long. 78° 35' W. de G.
Alt.

TEMPERATURA DEL AGUA DEL MAR OBSERVADA A HORAS 07.00

Fecha	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
1	19.0	19.0	16.5	18.0	18.0	19.0	21.0	21.0	18.2	19.5	18.2	18.2
2	19.2	18.8	18.5	18.0	18.0	19.5	20.0	22.0	18.5	19.2	18.0	20.0
3	19.0	19.0	19.0	18.5	19.0	19.0	19.2	22.0	18.0	19.5	18.5	20.5
4	20.0	19.0	19.0	18.0	19.0	19.5	19.9	22.0	19.0	19.2	19.2	20.2
5	19.0	18.0	20.0	19.0	18.2	19.5	20.0	22.0	18.2	19.2	18.5	18.0
6	19.0	19.0	19.0	19.5	19.0	19.5	19.5	21.0	18.2	19.2	17.5	19.5
7	19.0	18.5	18.5	18.6	20.0	18.6	18.6	20.5	18.2	19.0	17.5	19.2
8	19.5	18.0	19.0	19.0	20.6	18.6	20.2	19.2	19.2	19.2	19.2	19.5
9	18.0	17.0	19.0	19.0	19.0	18.6	20.5	19.5	19.2	19.5	19.0	21.5
10	19.0	18.5	18.0	19.0	18.0	19.5	18.9	20.5	19.0	20.0	20.2	18.2
11	19.0	19.0	19.6	19.0	19.0	19.0	21.0	20.2	19.2	19.5	19.2	19.5
12	19.0	18.0	20.0	18.5	21.0	19.2	21.0	20.2	19.0	20.2	20.0	18.2
13	19.0	18.5	18.0	18.5	20.0	19.5	21.0	21.0	18.2	19.5	20.5	18.2
14	18.0	19.0	15.0	19.0	21.0	19.2	19.5	19.0	18.0	20.0	21.0	19.2
15	20.0	19.0	-	18.0	20.0	19.5	17.5	20.0	18.5	19.0	20.2	19.5
16	18.0	19.0	18.0	18.0	21.5	20.2	22.0	20.0	17.2	20.5	19.5	18.2
17	18.0	18.6	19.0	19.0	22.0	20.0	17.5	20.0	18.2	18.2	19.6	19.5
18	19.5	18.0	18.0	19.0	20.6	20.0	17.5	19.0	18.0	17.2	18.0	18.2
19	20.0	18.0	18.0	18.0	21.0	21.5	20.2	19.0	18.2	17.2	20.5	19.2
20	18.0	19.0	19.0	19.0	20.0	20.0	21.0	19.0	18.2	18.2	19.5	19.8
21	19.0	18.0	17.0	18.0	20.0	19.5	21.5	18.2	18.2	17.2	19.2	19.5
22	19.5	18.0	19.0	19.0	20.0	19.5	21.5	19.2	19.2	18.5	17.2	20.0
23	19.6	18.0	18.0	18.0	20.0	19.5	21.0	19.0	19.2	19.8	18.5	18.5
24	19.5	19.0	19.0	18.0	19.0	20.0	22.0	19.2	18.2	18.0	20.2	20.0
25	19.0	19.0	18.0	18.0	20.0	19.5	20.2	19.0	18.0	17.0	18.5	22.0
26	19.5	18.5	19.0	18.0	19.0	20.2	20.0	18.2	18.2	18.2	19.5	21.5
27	19.0	18.5	18.0	18.0	20.0	19.2	20.0	18.5	18.0	18.0	18.2	18.2
28	19.0	18.5	-	19.0	20.0	19.5	20.0	17.2	18.5	19.5	18.5	18.5
29	18.0	-	17.5	18.0	19.0	23.0	20.0	18.0	18.5	19.5	20.0	20.0
30	19.0	-	19.0	18.0	19.0	20.5	21.0	17.5	19.0	17.2	17.0	20.2
31	18.5	-	19.0	-	19.0	-	20.0	18.0	-	16.2	-	20.0
Prom. Mens.	19.0	18.6	18.5	18.4	19.6	19.7	20.0	19.7	18.4	18.8	19.0	19.4

Promedio Anual = 19.1

C H I M B O T E

Lat. 09° 05' S.
Long. 78° 35' W. de G.
Alt.

TEMPERATURA DEL AGUA DEL MAR OBSERVADA A HORAS 13.00

Fecha	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
1	19.0	19.5	20.0	20.0	19.0	20.0	22.0	21.0	18.2	19.5	19.5	19.0
2	20.0	21.5	19.0	19.0	19.0	21.5	20.0	22.5	18.5	19.5	18.6	20.0
3	18.5	20.0	21.0	19.0	19.0	20.0	21.0	22.0	18.5	18.2	19.2	20.0
4	19.0	21.0	20.0	19.0	19.0	20.0	22.5	20.0	18.3	21.0	21.0	20.0
5	19.0	20.0	21.0	19.0	19.0	20.0	22.0	22.0	18.2	20.0	19.2	20.0
6	20.0	19.0	21.0	21.0	20.0	19.2	21.0	23.0	19.2	20.0	20.0	20.0
7	20.0	19.0	19.0	20.0	20.0	19.5	20.0	22.0	19.2	21.0	18.5	21.0
8	24.0	17.0	20.0	20.0	20.0	19.5	20.0	21.0	19.0	21.0	20.0	21.5
9	20.0	19.0	20.0	21.5	21.0	19.5	20.0	22.0	19.2	21.5	19.5	23.2
10	21.0	19.0	19.0	20.0	19.0	20.5	20.0	20.0	19.5	20.0	21.0	18.2
11	20.0	19.0	21.0	20.0	22.0	19.5	20.0	21.2	19.0	21.5	21.0	19.0
12	21.0	21.0	21.0	20.0	22.0	20.0	20.0	22.0	19.0	22.0	20.0	20.0
13	21.0	20.0	20.0	20.0	22.0	21.0	20.5	22.0	18.2	21.0	20.0	20.0
14	20.0	20.0	20.0	20.0	22.0	20.0	20.0	21.0	19.2	20.2	22.0	21.5
15	19.0	20.0	-	19.0	22.0	19.5	19.0	20.0	19.2	20.0	20.5	19.0
16	21.0	21.0	20.0	19.0	22.0	21.0	19.6	20.0	18.2	19.5	20.2	21.0
17	20.0	18.0	19.0	20.0	21.0	19.8	20.0	20.0	18.0	18.0	21.0	19.5
18	20.0	21.0	19.0	19.0	21.0	21.0	20.0	20.0	19.0	18.0	22.0	19.2
19	20.0	21.2	21.0	20.0	21.0	21.5	20.5	20.2	19.8	18.0	21.5	20.2
20	20.0	20.0	22.0	20.0	21.0	21.2	21.0	19.0	19.2	18.5	21.0	20.2
21	21.0	20.0	19.0	20.0	20.0	20.5	22.0	20.0	19.5	20.0	20.0	20.5
22	21.0	20.0	19.0	19.0	20.0	20.5	20.0	20.0	18.0	18.0	21.0	22.0
23	22.0	21.0	21.0	19.0	21.0	22.0	21.0	19.0	18.0	21.0	21.0	22.0
24	21.0	20.0	21.0	19.0	20.0	21.0	20.2	21.0	19.0	19.2	20.0	19.2
25	19.0	21.5	21.0	19.0	19.6	20.2	2015	19.8	17.0	19.5	20.0	19.5
26	20.0	21.0	21.0	19.0	20.0	20.2	20.0	18.5	19.0	19.2	20.0	20.0
27	19.0	20.0	21.0	19.0	20.0	20.2	20.5	18.0	18.5	18.0	19.5	21.5
28	21.0	21.0	-	19.0	21.0	21.2	22.0	18.5	19.0	20.0	19.0	21.0
29	19.0	-	21.0	19.0	21.5	23.0	22.0	18.2	19.0	18.0	21.0	22.0
30	19.0	-	20.0	19.0	21.0	22.5	20.0	18.0	19.0	19.0	20.0	22.5
31	19.0	-	21.0	-	20.2	-	22.0	19.0	-	17.2	-	22.0
Prom. Mens.	20.1	20.0	20.3	19.6	20.5	20.5	20.6	20.4	18.4	19.6	20.2	20.5

PROMEDIO ANUAL = 20.0

C H I M B O T E

Lat. 09° 05' S.
Long. 78° 35' W. de G.
Alt.

TEMPERATURA DEL AGUA DEL MAR OBSERVADA A HORAS 18.00

Fecha	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
1	19.5	22.0	22.0	19.0	19.0	19.0	19.0	23.0	20.2	20.5	20.0	22.0
2	19.6	22.0	22.0	20.0	18.0	20.0	19.5	22.0	18.5	20.2	20.0	22.5
3	19.0	21.0	21.0	18.6	19.0	-	20.5	23.0	19.0	21.0	18.2	21.0
4	20.0	20.0	22.0	22.0	19.2	19.6	20.5	22.0	19.0	19.0	19.2	20.0
5	20.0	20.0	22.0	19.6	20.0	19.5	20.5	21.0	19.0	20.0	19.0	20.5
6	21.0	20.0	21.6	20.0	-	19.0	19.6	22.0	19.2	21.0	19.2	20.2
7	21.0	19.0	22.0	21.0	19.5	19.6	21.0	22.0	19.0	-	19.5	21.5
8	21.0	18.0	22.0	21.0	20.0	20.2	-	22.0	18.0	21.5	21.0	22.0
9	21.0	22.0	22.0	21.0	20.0	20.0	19.5	22.0	17.2	21.5	20.2	22.5
10	21.0	21.0	22.0	19.6	20.0	-	20.2	22.0	20.5	22.0	22.0	21.5
11	22.0	20.0	22.0	21.2	20.5	20.0	22.0	20.0	20.0	21.0	22.0	21.2
12	21.0	22.0	22.0	20.0	20.5	19.0	20.0	22.0	18.6	21.0	23.0	22.0
13	21.0	22.0	20.0	20.2	-	19.2	20.2	22.0	19.0	21.0	21.0	21.2
14	19.0	22.0	22.0	20.0	22.0	19.0	19.5	21.0	19.5	21.0	21.5	22.0
15	19.0	22.0	-	20.0	22.0	19.0	18.0	22.0	19.5	21.5	21.2	21.5
16	22.0	22.0	22.0	20.0	22.2	19.2	19.0	21.0	18.0	21.0	22.0	22.5
17	21.0	22.0	21.0	20.0	21.0	-	20.0	20.0	18.2	18.2	23.0	19.5
18	20.0	19.0	22.0	20.0	20.2	22.0	20.0	19.5	19.0	19.0	23.0	21.0
19	21.0	22.0	22.0	21.0	20.5	22.0	20.8	19.0	20.0	20.2	21.5	21.5
20	21.0	22.0	22.0	20.2	20.5	20.5	21.5	20.0	19.0	20.0	22.0	23.0
21	20.0	22.0	21.0	19.0	20.0	19.5	21.5	20.5	19.8	19.2	20.5	22.5
22	20.2	21.0	20.0	19.6	20.5	19.5	21.0	20.2	18.0	20.0	21.5	23.0
23	22.6	22.0	22.0	18.6	21.0	19.6	22.0	19.0	19.0	20.0	22.0	23.0
24	22.0	22.0	22.0	19.0	20.0	-	22.5	19.0	19.0	20.5	22.0	22.5
25	21.0	22.0	21.0	18.0	20.0	19.6	21.0	20.2	19.6	17.0	20.0	22.0
26	21.0	21.0	22.0	18.0	19.5	19.6	22.5	19.0	19.5	19.5	20.0	22.0
27	21.0	22.0	20.0	18.0	-	21.2	21.0	18.0	20.5	19.5	20.0	22.0
28	19.0	22.0	-	18.0	20.0	20.0	21.0	18.0	20.0	20.0	20.5	23.0
29	20.0	-	21.5	-	21.0	23.5	21.5	18.0	20.2	18.0	20.2	22.5
30	21.0	-	22.0	19.0	22.0	21.5	22.0	17.2	20.2	19.0	20.2	22.0
31	21.0	-	21.0	-	21.5	-	22.2	20.2	-	19.0	-	24.2
Prom. Mens.	20.6	21.2	19.7	20.3	20.0	20.6	20.6	19.1	20.1	20.8	21.9	

PROMEDIO ANUAL = 20.5

C H A N C A Y

Lat. 11° 35' S.
Long. 77° 16' W. de G.
Alt.

TEMPERATURA DEL AGUA DEL MAR OBSERVADA A HORAS 07.00

Fecha	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
1	-	15.0	16.0	17.0	18.0	18.0	16.0	16.0	14.5	16.0	-	-
2	-	15.0	16.0	17.5	17.5	17.5	17.7	16.0	14.0	17.0	-	-
3	-	15.0	16.0	17.5	17.5	18.0	17.5	16.3	16.0	17.0	-	-
4	-	16.0	16.5	16.8	18.0	18.0	17.0	16.0	15.5	16.5	-	-
5	-	15.5	16.5	16.8	19.0	18.5	17.7	15.8	15.5	16.0	-	-
6	-	15.5	16.0	17.0	18.0	17.5	18.0	16.0	15.0	15.5	-	-
7	-	15.0	15.8	17.0	18.5	18.0	18.5	16.3	14.5	15.9	-	-
8	-	16.0	15.8	17.0	19.5	18.5	17.0	16.5	14.0	16.0	-	-
9	-	16.0	16.0	17.0	19.5	17.5	17.5	17.0	14.0	16.0	-	-
10	-	15.0	16.0	17.0	19.0	18.0	17.0	16.0	16.0	15.5	-	-
11	-	15.5	15.8	16.8	19.0	17.5	17.5	15.8	15.5	16.0	-	-
12	-	16.0	15.6	17.8	19.0	18.5	18.0	16.0	16.0	15.9	-	-
13	-	16.0	15.4	18.0	19.5	18.5	19.0	16.3	15.0	16.0	-	-
14	-	16.0	15.8	18.0	19.5	18.0	19.0	16.5	15.0	15.9	-	-
15	-	16.0	15.4	18.3	18.5	18.0	18.0	16.0	15.5	16.0	-	-
16	-	15.0	15.4	18.0	19.5	20.0	17.7	16.3	16.0	16.0	-	-
17	-	15.0	15.0	19.0	18.5	20.0	17.7	16.0	16.0	15.9	-	-
18	-	16.0	15.0	16.5	18.5	20.5	17.7	16.3	16.0	16.0	-	-
19	-	16.0	15.0	16.5	17.5	20.5	18.0	16.0	15.0	16.5	-	-
20	-	16.0	15.0	16.5	17.5	20.0	18.0	16.5	15.5	16.0	-	-
21	-	16.0	14.8	16.8	18.5	19.5	17.0	16.0	15.5	16.0	-	-
22	-	16.5	15.8	18.0	18.0	20.0	17.0	16.3	14.8	16.0	-	-
23	-	15.8	15.4	19.0	18.0	19.0	17.6	16.0	14.6	15.5	-	-
24	-	15.6	15.2	18.0	18.5	19.5	18.0	15.3	14.5	16.0	-	-
25	-	15.4	16.0	16.0	18.0	19.5	17.7	14.8	14.5	16.0	-	-
26	-	15.6	15.8	17.0	18.0	19.0	17.8	15.0	14.5	16.0	-	-
27	-	16.0	15.5	17.0	17.5	17.0	18.0	15.3	16.0	15.5	-	-
28	-	16.0	16.0	17.0	17.5	18.5	18.5	15.5	16.0	16.0	-	-
29	-		16.0	17.0	18.3	18.0	17.8	14.5	15.5	15.0	-	-
30	-		16.0	16.5	18.0	17.7	17.0	14.8	16.0	15.0	-	-
31	-		16.0		18.0		18.0	14.5		16.0	-	-
Prom. Mens.	-	15.7	15.7	17.3	18.4	18.6	17.8	15.8	15.2	16.0	-	-

PROMEDIO ANUAL = 16.7

C H A N C A Y

Lat. 11° 35' S.
Long. 77° 16' W. de G.
Alt.

TEMPERATURA DEL AGUA DEL MAR OBSERVADA A HORAS 16.00

Fecha	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
1	-	16.0	16.5	17.5	20.0	21.0	19.5	16.0	14.0	-	-	-
2	-	15.0	16.5	17.0	21.5	20.0	18.5	16.0	16.5	-	-	-
3	-	16.5	16.0	17.5	21.5	18.0	20.0	15.8	15.5	-	-	-
4	-	16.0	16.0	17.5	20.0	19.0	19.0	15.5	15.5	-	-	-
5	-	16.0	16.5	17.0	20.0	17.5	18.0	15.8	16.0	-	-	-
6	-	16.5	15.8	17.0	20.0	18.0	17.7	16.0	15.5	-	-	-
7	-	16.0	16.5	17.5	21.5	18.0	18.0	16.5	15.5	-	-	-
8	-	16.0	16.0	17.5	21.8	18.0	20.0	16.3	15.0	-	-	-
9	-	16.0	16.5	17.0	21.5	19.0	19.0	15.8	15.6	-	-	-
10	-	16.0	16.5	17.5	21.0	19.5	19.0	15.3	15.6	-	-	-
11	-	16.0	16.0	17.0	20.0	19.0	18.0	15.8	15.0	-	-	-
12	-	16.5	15.8	18.0	21.5	18.5	18.0	16.5	15.6	-	-	-
13	-	16.5	15.8	18.0	21.5	18.0	17.0	16.8	16.0	-	-	-
14	-	16.5	16.0	18.4	21.5	18.0	18.0	16.0	16.0	-	-	-
15	-	16.5	15.8	18.5	22.2	18.0	18.0	15.8	16.0	-	-	-
16	-	15.5	15.0	18.5	18.5	19.0	18.0	16.0	15.0	-	-	-
[illegible]	-	16.0	15.8	18.0	20.0	19.5	17.0	16.3	15.4	-	-	-
18	-	16.5	15.4	18.5	20.0	19.0	18.5	16.4	15.4	-	-	-
19	-	16.5	14.8	18.0	18.5	20.0	18.5	16.2	15.8	-	-	-
20	-	16.5	15.8	17.7	19.0	21.0	17.0	15.5	16.0	-	-	-
21	-	16.0	16.0	17.5	17.5	19.0	18.0	15.8	16.0	-	-	-
22	-	16.0	16.0	17.5	18.6	19.0	19.0	16.0	16.1	-	-	-
23	-	16.0	16.0	17.1	20.0	19.0	19.0	16.3	16.4	-	-	-
24	-	16.0	15.8	17.0	20.5	18.5	18.5	16.0	16.0	-	-	-
25	-	16.0	16.5	18.0	18.5	20.0	17.8	16.5	15.5	-	-	-
26	-	16.5	16.5	18.0	19.0	20.0	17.0	16.8	15.0	-	-	-
27	-	16.5	16.5	16.5	19.5	20.5	19.0	17.0	15.0	-	-	-
28	-	16.5	17.0	16.8	18.5	20.0	17.0	16.8	15.5	-	-	-
29	-		17.0	16.8	18.0	20.0	17.5	16.5	16.0	-	-	-
30	-		16.8	17.0	19.0	19.5	17.5	16.3	16.0	-	-	-
31	-		16.8		19.5		18.0	16.0			-	-
Prom. Mens.	-	16.2	16.1	17.5	20.0	19.1	18.2	16.1	15.6	-	-	-

PROMEDIO ANUAL = 17.4

C A L L A O

Lat. 12° 03' S.
Long.77° 08' W. de G.
Alt.

TEMPERATURA DEL AGUA DEL MAR OBSERVADA A HORAS 07.00

Fecha	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
1	15.0	15.0	15.6	15.4	15.2	18.5	15.8	16.0	15.0	-	-	-
2	15.0	15.0	15.4	15.4	16.0	18.6	15.6	16.0	15.0	-	-	-
3	15.0	15.2	15.0	15.4	15.4	18.2	15.0	15.8	14.8	-	-	-
4	14.8	15.0	15.1	15.4	16.0	18.5	15.0	15.6	14.6	-	-	-
5	15.0	15.0	15.0	15.2	15.2	19.0	14.8	15.8	14.6	-	-	-
6	15.2	15.2	15.1	15.4	15.3	18.2	15.0	15.6	14.8	-	-	-
7	15.0	15.2	15.2	15.0	16.0	18.6	15.4	15.0	15.0	-	-	-
8	14.8	15.2	14.9	15.4	16.2	17.4	15.0	16.0	15.0	-	-	-
9	14.5	15.2	14.8	15.4	16.0	17.2	15.0	16.0	15.0	-	-	-
10	15.0	15.0	15.0	15.4	17.0	17.4	14.8	16.3	14.8	-	-	-
11	15.0	15.0	15.8	15.4	16.0	17.0	14.8	15.0	14.6	-	-	-
12	15.0	15.0	15.8	15.4	17.2	17.4	15.2	15.0	15.0	-	-	-
13	15.0	15.0	15.4	15.4	16.2	18.0	15.4	15.4	16.0	-	-	-
14	15.2	14.8	15.5	15.2	16.0	18.0	15.4	15.4	16.0	-	-	-
15	15.4	15.2	14.4	15.2	17.2	17.2	15.0	15.3	15.4	-	-	-
16	15.0	15.4	14.8	15.3	19.0	17.0	15.2	15.0	15.4	-	-	-
17	14.8	15.0	15.0	16.1	18.0	17.6	15.0	15.4	15.6	-	-	-
18	15.0	15.2	15.0	16.0	19.0	17.9	14.8	16.0	14.8	-	-	-
19	15.0	15.4	14.8	15.4	18.8	17.2	14.8	16.3	14.8	-	-	-
20	15.0	15.5	14.6	16.2	18.6	17.0	15.0	15.8	15.0	-	-	-
21	15.0	15.5	14.4	15.2	17.4	16.8	15.6	15.5	15.8	-	-	-
22	14.8	16.0	15.0	16.1	18.0	17.2	15.4	15.0	15.4	-	-	-
23	14.8	16.0	14.8	15.4	18.0	18.0	14.8	15.3	15.0	-	-	-
24	15.0	15.8	14.6	15.1	18.0	17.5	14.6	15.2	15.0	-	-	-
25	15.0	15.8	15.0	15.2	18.2	17.2	15.0	15.0	15.4	-	-	-
26	15.0	16.0	15.0	15.2	18.0	17.0	15.2	15.3	15.6	-	-	-
27	15.0	16.0	15.0	15.4	18.0	17.5	15.0	15.5	15.0	-	-	-
28	14.8	16.0	15.0	15.2	18.0	17.4	15.4	15.8	15.5	-	-	-
29	15.6		15.4	15.0	18.2	17.3	15.6	16.0	15.0	-	-	-
30	15.2		15.5	15.2	18.0	17.0	15.8	16.0	15.4	-	-	-
31	15.0		15.4		18.6		16.0	15.8		-	-	-
Prom. Mens.	15.0	15.3	15.1	15.4	17.6	17.6	15.6	15.6	15.1	-	-	-

PROMEDIO ANUAL = 15.7

C A L L A O

Lat. 12° 03' S.
Long. 77° 08' W. de G.
Alt.

TEMPERATURA DEL AGUA DEL MAR OBSERVADA A HORAS 13.00

Fecha	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
1	15.0	15.4	15.8	16.0	15.4	18.0	14.8	16.0	15.0	-	-	-
2	15.4	15.8	15.6	16.4	16.0	17.9	15.0	16.4	15.6	-	-	-
3	15.4	15.6	15.6	16.0	15.4	18.2	14.6	16.4	15.6	-	-	-
4	14.8	15.8	15.1	16.0	15.4	19.0	14.8	16.0	15.4	-	-	-
5	15.0	15.4	15.2	15.4	15.4	18.6	15.0	16.0	15.4	-	-	-
6	15.4	15.6	15.1	16.0	15.4	17.0	15.6	16.5	15.4	-	-	-
7	15.5	15.8	15.4	16.0	15.4	18.3	15.4	16.0	15.8	-	-	-
8	15.0	15.4	15.0	15.8	16.0	18.5	15.0	15.4	15.8	-	-	-
9	15.0	15.6	15.1	16.0	15.6	18.2	15.0	15.5	16.0	-	-	-
10	15.0	15.8	15.1	16.0	16.0	19.0	15.4	15.5	16.0	-	-	-
11	15.0	15.4	16.5	16.0	16.3	18.4	14.8	14.8	15.8	-	-	-
12	15.5	15.6	16.0	16.0	15.4	18.6	15.2	14.6	15.4	-	-	-
13	15.5	15.0	16.0	16.7	17.2	18.6	15.6	15.0	16.0	-	-	-
14	15.8	15.0	16.0	15.0	16.2	17.2	15.8	15.0	16.4	-	-	-
15	15.6	15.6	15.8	15.6	19.6	18.0	15.8	14.8	15.8	-	-	-
16	15.0	15.6	15.8	15.5	19.2	18.0	15.6	14.8	15.8	-	-	-
17	14.8	15.8	15.6	16.3	19.2	17.8	14.8	15.0	15.4	-	-	-
18	14.8	15.6	15.6	16.5	19.3	18.4	14.8	14.5	15.6	-	-	-
19	15.0	15.8	15.8	15.6	19.4	18.0	15.0	14.0	15.0	-	-	-
20	15.0	15.8	15.0	16.7	19.0	17.6	15.4	13.0	15.4	-	-	-
21	15.5	15.8	15.0	15.9	18.3	17.8	15.5	13.5	15.6	-	-	-
22	14.8	16.0	15.5	15.4	19.0	17.6	15.0	14.0	15.8	-	-	-
23	15.0	16.0	15.0	16.4	19.0	18.0	15.3	13.8	15.4	-	-	-
24	15.0	16.0	15.0	15.4	19.0	17.8	15.8	14.0	15.0	-	-	-
25	15.0	16.0	15.0	15.4	19.0	18.0	14.6	14.5	15.6	-	-	-
26	15.0	16.0	16.0	15.4	19.5	17.6	15.0	14.0	16.0	-	-	-
27	15.0	16.0	16.4	15.6	19.2	18.0	16.0	14.3	16.0	-	-	-
28	15.4	16.5	16.0	15.2	18.2	18.5	16.0	14.2	15.5	-	-	-
29	15.8		16.0	15.2	19.3	18.6	15.8	14.2	15.4	-	-	-
30	15.6		16.0	15.0	19.8	17.8	15.6	14.0	15.5	-	-	-
31	15.4		16.3		18.0		15.4	14.0		-	-	-
Prom. Mens.	15.2	15.7	15.6	15.8	17.6	18.1	15.3	14.8	15.6	-	-	-

PROMEDIO ANUAL = 16.0

C A L L A O

Lat. 12° 03' S.
Long. 77° 08' W. de G.
Alt.

TEMPERATURA DEL AGUA DEL MAR OBSERVADA A HORAS 18.00

Fecha	ENE/	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
1	15.0	15.0	15.2	15.4	15.2	18.3	15.4	17.0	16.0	16.0	-	-
2	15.2	15.4	15.0	16.2	15.3	18.3	15.8	17.0	16.5	15.2	-	-
3	15.0	15.0	15.0	15.4	15.6	18.3	15.8	17.3	18.0	16.0	-	-
4	14.4	15.0	15.2	15.6	15.4	18.4	15.6	17.0	16.2	16.0	-	-
5	15.2	15.2	15.0	15.4	15.3	18.0	15.5	16.8	16.0	16.0	-	-
6	15.0	15.0	15.0	15.4	15.1	17.5	15.0	16.6	16.0	16.0	-	-
7	15.0	15.4	15.0	15.6	15.3	18.2	15.0	16.6	17.0	16.0	-	-
8	14.8	15.2	14.8	15.4	16.4	18.3	14.8	17.0	17.0	16.0	-	-
9	15.0	15.4	15.0	15.0	16.0	18.0	15.0	17.0	16.8	16.2	-	-
10	15.0	15.4	15.0	15.6	15.4	18.3	15.2	16.0	17.2	15.5	-	-
11	14.8	15.4	16.0	15.2	17.2	18.0	15.8	17.3	18.0	15.2	-	-
12	15.0	15.8	16.0	16.2	15.1	18.2	15.6	17.3	17.5	16.0	-	-
13	15.5	15.4	16.0	16.2	17.0	18.0	15.5	17.0	17.0	16.0	-	-
14	15.4	15.0	16.8	16.6	17.6	17.9	16.0	16.8	17.2	16.0	-	-
15	15.4	15.6	15.1	15.4	19.0	17.2	16.0	16.5	18.0	16.0	-	-
16	14.8	15.0	15.2	15.5	18.6	18.2	16.0	17.5	17.4	16.0	-	-
17	15.0	15.4	14.8	16.2	18.0	18.0	15.4	17.0	17.5	16.2	-	-
18	15.0	15.0	14.8	16.4	18.3	18.0	15.0	17.5	17.5	16.2	-	-
19	15.0	15.2	15.4	18.4	18.5	18.8	15.8	17.0	17.4	16.0	-	-
20	15.0	15.4	15.6	15.4	18.8	18.5	15.6	17.0	17.4	15.2	-	-
21	15.4	15.8	15.4	15.3	17.4	18.2	15.4	17.0	18.0	15.0	-	-
22	14.4	15.8	15.8	15.2	18.4	18.0	15.4	17.0	17.8	16.0	-	-
23	15.5	15.8	16.0	15.3	18.8	18.0	16.0	17.2	17.0	16.0	-	-
24	15.0	16.1	16.0	15.2	18.2	18.2	16.0	17.0	17.0	-	-	-
25	15.5	16.1	15.0	15.6	18.0	18.2	15.6	17.5	17.2	-	-	-
26	15.0	16.0	16.2	15.1	18.8	18.0	15.4	17.0	16.8	-	-	-
27	15.0	16.0	16.4	15.2	19.0	18.0	16.3	17.8	15.4	-	-	-
28	15.6	16.5	16.5	15.2	18.2	18.5	16.0	17.5	15.7	-	-	-
29	15.0		16.5	15.4	18.3	17.8	16.0	17.0	15.2	-	-	-
30	15.4		16.6	15.4	18.1	18.0	15.8	17.3	16.0	-	-	-
31	15.2		16.4		18.5		15.8	17.0		-	-	-
Prom. Mens.	15.1	15.5	15.5	15.5	17.2	18.1	15.6	17.0	16.9	15.8	-	-

PROMEDIO ANUAL = 16.2

L A P U N T A

Lat. 12° 04' S.
Long. 77° 10' W. de G.
Alt. 15 mts. s.n. del mar.

TEMPERATURA DEL AGUA DEL MAR OBSERVADA A HORAS 07.00

Fecha	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
1	-	-	-	16.7	18.5	18.4	18.3	17.5	15.6	15.7	15.0	15.3
2	-	-	-	16.4	18.5	18.0	18.1	17.4	15.8	15.6	15.2	15.7
3	-	-	-	16.7	18.5	18.0	17.4	17.4	15.3	15.6	15.3	15.4
4	-	-	-	16.1	17.3	18.0	17.8	17.5	15.7	16.0	15.1	15.4
5	-	-	-	16.2	18.0	18.2	17.9	17.3	15.6	15.4	15.5	16.2
6	-	-	-	16.6	17.3	18.0	18.0	17.5	15.7	16.5	15.3	15.6
7	-	-	-	16.9	18.4	17.9	16.8	17.3	15.7	15.7	15.3	15.8
8	-	-	-	16.5	18.4	17.8	17.1	17.2	16.4	15.6	15.6	15.7
9	-	-	-	16.5	18.0	18.0	18.1	17.1	16.8	16.5	15.8	15.4
10	-	-	-	16.8	18.4	18.3	17.3	17.4	15.6	15.5	15.5	15.4
11	-	-	-	16.5	18.0	18.0	18.4	17.2	15.7	15.0	15.7	15.7
12	-	-	-	16.5	18.0	17.0	17.1	17.3	15.5	15.8	15.4	15.6
13	-	-	-	17.2	18.0	17.3	15.5	17.5	16.1	16.2	15.7	15.4
14	-	-	-	17.4	17.5	17.2	18.0	17.5	16.0	16.8	15.6	15.4
15	-	-	-	16.0	17.2	17.2	17.6	17.2	15.9	16.5	16.5	15.6
16	-	-	-	19.0	18.0	17.0	18.5	18.0	15.8	16.4	16.5	15.6
17	-	-	-	19.0	20.3	18.0	18.0	17.5	15.7	16.4	16.0	15.6
18	-	-	-	16.9	19.0	18.0	17.2	17.5	16.0	19.0	16.5	15.4
19	-	-	-	16.7	18.1	18.1	18.0	17.5	15.8	16.0	16.8	15.0
20	-	-	-	16.7	18.1	18.1	17.5	17.0	15.6	17.0	15.6	15.4
21	-	-	-	16.8	18.1	18.4	17.0	17.4	16.3	16.0	15.7	16.2
22	-	-	-	17.0	18.0	18.6	18.0	17.2	15.0	15.3	16.2	15.4
23	-	-	-	16.8	20.5	18.3	17.3	17.0	15.5	15.3	17.4	15.4
24	-	-	-	17.2	18.0	17.1	15.5	17.2	15.3	15.0	15.8	15.4
25	-	-	-	17.9	18.0	17.1	18.5	17.4	15.7	15.4	16.4	15.4
26	-	-	-	18.2	18.0	17.0	17.0	17.0	15.3	16.4	16.2	15.4
27	-	-	-	18.0	19.2	17.0	17.6	17.5	15.8	15.2	16.0	15.2
28	-	-	-	18.0	18.0	16.9	15.5	17.5	15.5	15.5	15.4	15.0
29	-	-	-	16.8	18.0	17.0	17.0	17.1	15.5	15.3	15.9	15.2
30	-	-	-	17.0	17.9	16.8	18.0	16.3	15.7	15.6	15.5	15.7
31	-	-	-		18.0		16.7	17.1		15.1		15.0
Prom. Mens.	-	-	-	17.0	18.2	17.7	17.4	17.3	15.7	15.9	15.8	15.5

PROMEDIO ANUAL = 16.7

L A P U N T A

Lat. 12° 04' S.
Long. 77° 10' W. de G.
Alt. 15 mts. s.n. del mar.

TEMPERATURA DEL AGUA DEL MAR OBSERVADA A HORAS 13.00

Fecha	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
1	-	-	-	17.5	18.0	19.0	20.0	18.4	16.4	16.4	16.0	17.2
2	-	-	-	18.4	18.7	17.9	19.0	18.0	16.4	16.2	16.3	16.7
3	-	-	-	17.5	18.1	19.0	16.3	17.5	16.0	16.7	16.6	16.0
4	-	-	-	16.1	18.1	19.5	18.1	17.7	16.0	16.2	16.5	16.7
5	-	-	-	16.4	18.0	18.0	19.5	17.4	16.5	16.5	16.5	16.3
6	-	-	-	17.0	18.1	19.5	19.0	18.1	16.5	16.5	16.0	16.7
7	-	-	-	17.2	18.1	18.2	18.5	18.0	15.6	16.9	16.2	16.5
8	-	-	-	18.5	20.0	18.1	17.5	17.0	15.6	16.3	15.9	16.6
9	-	-	-	17.5	18.2	20.2	17.8	17.4	17.1	16.5	17.5	17.0
10	-	-	-	17.0	18.7	19.1	18.5	17.5	16.1	16.1	17.6	17.3
11	-	-	-	17.3	18.5	18.2	17.3	17.6	16.1	16.5	16.7	16.4
12	-	-	-	17.0	18.0	18.2	18.4	17.7	16.5	16.5	17.8	16.7
13	-	-	-	17.5	18.0	18.1	17.9	17.7	16.5	16.2	15.8	16.5
14	-	-	-	18.0	19.5	18.1	18.0	18.0	16.6	17.7	17.0	16.6
15	-	-	-	18.8	19.5	18.0	19.0	18.2	16.6	17.8	17.5	17.2
16	-	-	-	18.0	21.0	18.0	18.1	17.9	16.5	17.2	16.5	16.2
17	-	-	-	18.0	20.0	19.0	18.2	17.5	16.5	16.0	16.6	16.5
18	-	-	-	18.0	20.0	19.5	18.2	17.5	16.5	17.7	17.0	15.7
19	-	-	-	17.5	18.3	19.0	17.8	17.3	16.4	15.8	16.5	16.0
20	-	-	-	18.0	18.5	18.9	19.0	16.8	16.3	16.8	16.9	16.0
21	-	-	-	16.9	18.5	19.0	17.5	17.5	15.9	16.4	17.5	17.4
22	-	-	-	17.8	18.5	19.1	19.5	17.9	15.9	16.8	16.5	16.3
23	-	-	-	18.0	20.8	18.5	18.1	17.9	15.0	16.4	17.8	16.3
24	-	-	-	18.0	18.3	18.0	17.5	17.9	15.5	17.2	17.9	16.5
25	-	-	-	19.0	19.5	18.0	17.3	17.5	16.4	16.7	17.8	17.9
26	-	-	-	18.0	20.0	18.0	15.0	17.6	17.5	18.0	17.4	15.5
27	-	-	-	18.2	19.0	18.0	17.5	16.5	16.5	16.7	16.9	17.2
28	-	-	-	16.0	18.5	18.6	17.1	16.5	16.4	16.5	17.0	17.0
29	-	-	-	17.8	20.0	18.5	17.3	17.5	16.4	16.4	16.3	16.5
30	-	-	-	20.0	18.3	19.0	19.5	17.0	16.3	16.3	16.5	17.2
31	-	-	-	20.0	18.4		18.0	16.9		16.4		17.4
Prom. Mens.	-	-	-	17.8	18.9	18.6	18.1	17.6	16.3	16.6	16.8	16.6

PROMEDIO ANUAL = 17.5

L A P U N T A

Lat. 12° 04' S.
Long. 77°10' W. de G.
Alt. 15 mts. s.n. del mar.

TEMPERATURA DEL AGUA DEL MAR OBSERVADA A HORAS 18.00

Fecha	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
1	-	-	-	17.5	18.6	18.5	20.0	18.2	16.5	16.2	16.0	16.4
2	-	-	-	17.8	18.0	18.5	18.0	18.2	16.0	16.4	16.2	16.4
3	-	-	-	17.0	18.0	19.0	19.6	17.8	16.8	16.3	16.8	15.5
4	-	-	-	17.2	18.0	19.0	19.0	18.0	16.3	16.2	15.8	17.0
5	-	-	-	17.4	18.3	18.5	18.7	17.9	16.4	16.0	15.8	16.3
6	-	-	-	17.0	18.3	19.8	18.2	17.7	16.6	16.3	15.7	16.2
7	-	-	-	17.6	18.6	18.3	18.0	18.0	16.2	16.3	15.7	15.8
8	-	-	-	18.2	18.0	18.3	17.3	17.5	16.0	15.8	16.2	16.5
9	-	-	-	17.8	18.1	18.5	19.6	17.9	16.7	16.7	16.2	16.4
10	-	-	-	17.5	18.3	18.6	18.0	17.8	16.7	16.0	16.2	16.0
11	-	-	-	17.0	18.2	18.1	18.3	17.9	16.9	16.2	15.6	16.0
12	-	-	-	17.0	18.4	18.0	17.6	17.9	17.0	16.3	15.0	16.4
13	-	-	-	17.2	18.0	18.0	17.5	18.6	16.3	16.1	15.7	16.0
14	-	-	-	18.7	18.0	18.0	18.1	17.3	15.9	16.4	16.8	16.0
15	-	-	-	19.0	18.0	18.0	18.3	18.0	16.4	16.5	16.8	16.8
16	-	-	-	19.0	19.0	18.0	18.1	18.0	16.5	16.3	16.8	16.2
17	-	-	-	17.6	19.5	18.2	17.5	18.2	16.5	16.1	16.2	15.8
18	-	-	-	17.2	19.2	18.2	17.6	17.3	16.3	16.2	16.8	16.3
19	-	-	-	17.0	23.3	18.7	17.0	17.3	16.1	15.8	16.0	16.2
20	-	-	-	17.7	18.4	18.5	18.4	17.5	16.4	15.8	16.0	15.9
21	-	-	-	17.3	17.5	18.8	17.8	17.2	16.0	16.2	16.8	16.3
22	-	-	-	17.5	19.0	18.6	18.0	17.6	16.2	15.8	16.5	16.0
23	-	-	-	17.4	20.4	18.1	18.0	17.8	16.2	16.8	17.5	15.8
24	-	-	-	18.4	19.0	18.5	17.0	17.5	15.8	17.5	16.8	15.2
25	-	-	-	17.5	20.0	18.5	16.0	17.6	16.0	15.8	16.7	16.2
26	-	-	-	19.0	18.0	18.0	17.0	17.5	16.2	18.0	16.0	16.7
27	-	-	-	18.3	19.5	18.0	17.4	16.0	16.0	16.3	17.0	16.7
28	-	-	-	16.4	18.1	17.8	17.6	16.1	16.4	15.6	15.8	17.2
29	-	-	-	18.0	18.8	18.0	17.0	17.3	16.2	15.8	16.4	16.9
30	-	-	-	19.0	18.1	18.0	19.5	17.5	16.0	15.6	16.5	16.5
31	-	-	-	19.0	18.2		19.0	17.0		15.8		17.0
Prom. Mens.	-	-	-	17.7	18.7	18.4	18.0	17.6	16.3	16.2	16.3	16.3

PROMEDIO ANUAL = 17.3

C E R R O A Z U L

Lat. 13° 00' S.
Long. 76° 30' W. de G.
Alt.

TEMPERATURA DEL AGUA DEL MAR OBSERVADA A HORAS 07.00

Fecha	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
1	-	19.7	19.0	19.0	18.9	17.2	17.5	17.3	17.0	15.6	-	-
2	-	19.8	19.0	19.0	19.0	17.2	17.5	17.0	17.0	15.8	-	-
3	-	19.4	19.0	19.0	19.0	17.0	17.6	16.8	17.0	15.9	-	-
4	-	20.0	19.0	19.0	18.9	16.9	17.1	17.0	16.8	16.0	-	-
5	-	19.0	20.0	19.8	18.9	17.0	17.1	17.2	17.0	15.7	-	-
6	-	19.6	19.0	19.3	18.9	17.3	18.0	17.9	17.9	15.6	-	-
7	-	19.8	19.0	19.0	18.5	17.0	18.0	18.2	18.0	16.2	-	-
8	-	19.5	19.0	19.5	18.9	17.4	17.7	17.2	17.9	16.2	-	-
9	-	20.0	19.5	19.0	18.5	17.0	18.1	17.0	17.9	16.1	-	-
10	-	19.0	20.0	19.0	18.5	16.8	17.5	17.0	17.2	16.4	-	-
11	-	19.8	20.0	19.6	18.0	16.5	17.4	17.8	17.1	16.4	-	-
12	-	20.0	19.0	20.0	18.5	16.4	17.2	18.0	17.0	16.2	-	-
13	-	19.8	19.0	19.0	18.3	17.0	17.9	18.0	17.7	16.3	-	-
14	-	19.0	19.0	19.5	19.2	17.2	17.4	18.0	17.2	16.9	-	-
15	-	19.0	20.0	19.5	19.0	16.8	18.0	18.0	17.6	17.0	-	-
16	-	19.0	19.0	19.0	19.0	16.9	17.9	17.9	17.3	16.7	-	-
17	-	20.0	19.0	19.0	19.0	17.5	17.5	18.4	17.5	16.8	-	-
18	-	20.0	19.5	19.0	19.1	17.5	17.5	18.0	18.2	15.6	-	-
19	-	19.0	19.0	19.0	19.1	17.0	17.3	18.0	17.3	16.4	-	-
20	-	20.0	19.0	19.0	19.1	17.0	17.6	17.2	17.2	16.8	-	-
21	-	19.9	19.0	19.0	19.1	17.0	18.3	17.8	16.0	16.9	-	-
22	-	20.0	19.0	19.5	20.0	16.4	17.1	17.3	16.0	16.5	-	-
23	-	19.8	19.0	19.0	19.7	17.0	17.0	17.5	16.3	16.8	-	-
24	-	19.0	20.0	19.0	19.6	17.2	17.1	17.5	16.0	17.0	-	-
25	-	19.0	20.0	19.0	20.0	16.8	16.9	17.2	16.4	16.0	-	-
26	-	19.5	20.0	19.0	18.5	17.0	17.0	17.1	16.5	16.0	-	-
27	-	19.0	20.0	19.0	18.0	17.5	17.7	17.0	16.2	16.0	-	-
28	-	19.0	19.5	19.0	16.9	17.0	17.6	17.5	16.7	16.0	-	-
29	-		19.5	19.0	17.0	17.0	17.3	17.4	16.0	16.3	-	-
30	-		19.5	19.0	17.1	17.5	17.3	17.0	16.7	16.5	-	-
31	-		19.5		17.0		17.9	17.0		16.4	-	-
Prom. Mens.	-	19.5	19.4	19.2	18.7	17.0	17.5	17.8	16.8	16.3	-	-

PROMEDIO ANUAL = 18.0

C E R R O A Z U L

Lat. 13° 00' S.
Long. 76° 30' W. de G.
Alt.

TEMPERATURA DEL AGUA DEL MAR OBSERVADA A HORAS 13.00

Fecha	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
1	-	21.4	21.0	19.5	19.2	17.6	17.7	17.6	17.2	16.0	-	-
2	-	21.4	21.0	19.6	19.2	17.5	17.8	17.2	17.3	16.0	-	-
3	-	21.7	21.0	20.0	19.1	17.3	17.9	17.2	17.2	16.1	-	-
4	-	21.0	21.0	20.0	19.0	17.3	17.5	17.0	17.1	16.2	-	-
5	-	21.6	21.0	22.0	19.0	17.5	17.4	17.4	17.8	15.9	-	-
6	-	21.0	21.0	21.5	19.0	17.6	18.0	18.1	18.0	15.9	-	-
7	-	20.0	21.0	21.0	18.9	17.5	18.1	18.5	18.0	16.4	-	-
8	-	21.5	21.0	20.0	19.0	17.0	17.8	17.5	18.0	16.4	-	-
9	-	21.0	21.0	20.0	18.9	17.5	18.4	17.3	18.0	16.3	-	-
10	-	21.0	21.0	20.9	19.0	17.3	17.6	17.1	17.3	16.5	-	-
11	-	20.0	21.5	20.0	18.2	16.9	17.5	17.9	17.1	16.8	-	-
12	-	21.6	20.0	20.5	18.9	16.9	17.4	18.0	17.1	16.4	-	-
13	-	20.0	21.0	20.0	18.4	17.5	18.0	18.0	17.9	16.4	-	-
14	-	21.0	21.0	20.0	19.3	17.5	17.4	18.0	17.5	17.0	-	-
15	-	21.0	21.0	20.0	19.4	17.2	18.0	18.0	17.7	17.1	-	-
16	-	21.0	21.0	21.0	19.5	17.7	17.9	18.0	17.5	16.9	-	-
17	-	22.0	20.0	19.9	19.5	17.5	17.5	18.6	17.7	16.8	-	-
18	-	21.8	20.5	21.0	19.5	17.4	17.2	18.4	18.3	16.2	-	-
19	-	21.0	20.0	20.0	19.5	17.5	17.6	18.2	17.5	16.8	-	-
20	-	21.5	20.0	20.0	19.6	17.5	17.7	17.2	17.5	17.0	-	-
21	-	22.9	20.0	20.0	20.0	17.2	18.3	17.9	16.0	17.1	-	-
22	-	21.6	20.0	21.0	20.2	16.9	17.4	17.5	16.2	17.0	-	-
23	-	21.0	20.0	22.0	19.9	17.5	17.4	17.6	16.4	17.0	-	-
24	-	21.0	20.0	21.0	20.0	17.6	17.5	17.6	16.2	17.2	-	-
25	-	21.0	21.0	21.0	20.6	17.0	17.2	17.3	16.6	16.6	-	-
26	-	21.5	21.0	21.0	18.9	17.5	17.2	17.2	16.7	16.4	-	-
27	-	21.5	20.0	20.0	18.2	17.5	17.9	17.2	16.4	16.6	-	-
28	-	21.0	20.5	20.0	17.2	17.6	17.8	17.6	16.9	16.0	-	-
29	-		20.0	20.0	17.5	17.2	17.6	17.6	16.3	16.5	-	-
30	-		20.0	21.0	17.4	17.8	17.5	17.0	16.9	16.9	-	-
31	-		20.0		18.0		18.1	17.2		16.8	-	-
Prom. Mens.	-	21.2	20.6	20.5	17.4	17.4	17.7	17.6	17.2	16.6	-	-

PROMEDIO ANUAL = 18.5

C E R R O A Z U L

Lat. 13° 00' S.
Long. 76° 30' W. de G.
Alt.

TEMPERATURA DEL AGUA DEL MAR OBSERVADA A HORAS 18.00

Fecha	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
1	-	20.6	20.0	20.0	19.0	17.0	17.4	17.0	17.0	15.7	-	-
2	-	21.6	20.0	20.0	19.0	17.1	17.4	17.0	17.1	15.0	-	-
3	-	21.4	21.0	20.0	19.0	16.8	17.3	17.0	17.0	15.7	-	-
4	-	20.0	20.0	20.0	18.5	16.8	17.2	17.0	17.0	16.0	-	-
5	-	21.5	21.0	20.0	18.8	17.0	17.3	17.0	17.0	15.7	-	-
6	-	21.2	20.0	21.0	18.9	17.1	18.0	17.8	18.0	15.7	-	-
7	-	21.0	20.0	20.0	18.5	16.2	18.0	18.0	18.0	16.1	-	-
8	-	21.0	20.5	20.0	18.7	17.5	17.6	17.2	17.9	16.0	-	-
9	-	20.6	20.5	20.0	18.5	16.5	18.0	17.0	18.4	16.0	-	-
10	-	21.0	21.0	21.0	18.9	16.7	17.2	17.0	17.2	16.3	-	-
11	-	21.0	21.0	19.5	18.0	16.3	17.4	17.2	17.1	16.5	-	-
12	-	21.3	20.0	20.0	18.3	16.3	17.0	18.0	17.1	16.2	-	-
13	-	21.0	20.0	20.0	18.0	16.9	17.5	18.0	17.0	16.2	-	-
14	-	21.0	21.0	20.0	19.0	17.0	17.4	17.9	17.2	16.8	-	-
15	-	22.0	21.0	19.0	19.0	16.7	18.0	18.0	17.2	17.1	-	-
16	-	20.0	20.0	20.0	18.9	16.6	17.5	17.8	17.3	16.9	-	-
17	-	21.0	21.0	19.0	19.1	16.9	17.3	18.3	17.3	16.8	-	-
18	-	21.3	20.0	20.0	19.0	17.5	17.0	18.0	18.0	15.0	-	-
19	-	20.5	20.0	19.5	19.2	17.0	17.1	18.0	17.3	16.6	-	-
20	-	21.3	20.0	20.0	19.1	17.0	17.4	17.2	17.0	16.9	-	-
21	-	21.0	20.0	20.0	19.0	17.0	18.1	17.6	16.0	16.8	-	-
22	-	21.0	20.0	20.0	20.0	16.3	17.0	17.2	16.0	16.8	-	-
23	-	20.0	20.0	21.0	19.6	16.9	16.9	17.2	16.2	16.7	-	-
24	-	21.0	20.0	20.0	19.0	17.5	17.2	17.5	16.0	17.0	-	-
25	-	22.0	21.5	20.0	20.0	16.0	17.0	17.1	16.2	16.4	-	-
26	-	20.0	21.5	20.0	18.0	17.0	16.8	17.2	16.4	16.3	-	-
27	-	21.0	20.0	20.0	17.0	17.3	16.5	17.1	16.0	16.5	-	-
28	-	21.5	20.0	20.0	19.0	17.0	17.3	17.4	16.4	16.0	-	-
29	-		20.0	20.0	17.2	17.0	17.5	17.4	16.6	16.2	-	-
30	-		20.0	20.0	17.2	17.5	17.2	17.0	16.5	16.0	-	-
31	-		20.0		17.2		17.3			16.5	-	-
Prom. Mens	-	21.0	20.4	20.0	18.6	16.9	17.5	17.4	17.0	16.3	-	-

PROMEDIO ANUAL = 18.3

P I S C O P L A Y A

Lat. 13° 45' S.
Long. 76° 14' W. de G.
Alt. 6 mts. s.n. del mar.

TEMPERATURA DEL AGUA DEL MAR OBSERVADA A HORAS 07.00

Fecha	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
1	-	-	-	-	-	18.8	17.6	16.8	18.3	16.6	22.7	20.5
2	-	-	-	-	-	20.0	17.7	17.7	17.0	16.1	20.5	19.8
3	-	-	-	-	-	20.0	16.6	18.3	16.5	16.5	19.0	20.0
4	-	-	-	-	-	18.8	17.7	17.2	17.2	16.6	21.6	19.0
5	-	-	-	-	-	17.7	17.2	15.5	16.1	-	16.6	19.4
6	-	-	-	-	-	18.8	18.3	17.7	18.3	-	20.0	17.2
7	-	-	-	-	-	15.5	17.7	17.2	16.0	-	17.2	20.0
8	-	-	-	-	-	18.8	16.1	15.5	17.2	-	20.5	20.0
9	-	-	-	-	-	20.0	16.1	15.3	16.0	-	18.3	20.6
10	-	-	-	-	-	20.0	16.6	15.4	16.1	16.1	18.0	18.3
11	-	-	-	-	-	16.6	17.7	15.8	15.5	-	19.4	21.6
12	-	-	-	-	-	16.6	16.1	16.0	15.1	-	19.4	21.0
13	-	-	-	-	-	18.8	16.6	16.1	15.5	-	16.1	20.5
14	-	-	-	-	-	18.8	15.5	16.2	15.5	-	16.1	20.5
15	-	-	-	-	-	17.7	15.5	16.0	15.5	15.5	20.0	20.5
16	-	-	-	-	-	17.7	15.5	17.2	16.6	18.3	16.1	18.2
17	-	-	-	-	-	17.7	16.1	16.1	15.5	16.6	16.0	20.5
18	-	-	-	-	-	18.8	15.5	16.1	16.0	18.3	19.4	19.3
19	-	-	-	-	-	20.0	17.7	16.1	16.6	17.7	16.6	18.0
20	-	-	-	-	-	17.7	16.1	16.6	16.1	16.6	19.4	18.8
21	-	-	-	-	-	20.0	15.5	16.1	16.1	17.8	18.3	19.4
22	-	-	-	-	-	18.8	15.5	16.1	16.2	17.7	19.4	18.0
23	-	-	-	-	-	18.8	15.5	16.1	16.0	16.1	19.0	18.0
24	-	-	-	-	-	17.0	15.5	15.5	16.5	19.4	18.7	21.0
25	-	-	-	-	-	16.6	17.7	16.1	17.7	18.8	16.1	22.0
26	-	-	-	-	-	18.3	15.5	16.8	13.7	17.8	17.8	19.4
27	-	-	-	-	-	18.3	15.0	17.2	17.2	16.1	16.6	18.3
28	-	-	-	-	-	17.2	16.6	15.5	15.5	18.0	19.4	18.3
29	-	-	-	-	-	17.0	16.0	16.2	17.2	18.3	18.3	17.2
30	-	-	-	-	-	18.8	16.1	16.2	16.2	19.4		18.2
31	-	-	-	-	-		15.5	16.6		16.6		20.0
Prom. Mens.	-	-	-	-	-	18.3	16.4	16.4	16.4	17.3	18.5	19.5

PROMEDIO ANUAL = 17.5

P I S C O P L A Y A

Lat. 13° 45' S.
Long. 16° 14' W. de G.
Alt. 6 mts. s.n. del mar.

TEMPERATURA DEL AGUA DEL MAR OBSERVADA A HORAS 13.00

Fecha	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
1	-	-	-	-	-	18.8	17.6	18.5	18.8	-	-	20.0
2	-	-	-	-	-	18.8	17.7	18.0	16.8	-	17.2	20.5
3	-	-	-	-	-	18.5	17.7	18.5	15.5	17.2	18.1	19.4
4	-	-	-	-	-	18.8	17.2	17.7	16.6	18.8	18.0	-
5	-	-	-	-	-	17.6	20.0	17.6	16.1	-	20.5	21.6
6	-	-	-	-	-	17.7	17.7	16.6	16.1	-	18.3	16.6
7	-	-	-	-	-	18.8	17.7	15.5	16.6	-	21.1	17.7
8	-	-	-	-	-	18.0	17.0	18.3	16.6	-	16.1	18.9
9	-	-	-	-	-	19.8	16.6	16.6	16.0	-	20.0	20.0
10	-	-	-	-	-	19.0	19.4	15.5	16.6	18.3	18.3	17.2
11	-	-	-	-	-	18.8	16.6	17.1	16.6	17.2	21.0	22.2
12	-	-	-	-	-	18.8	16.6	16.0	17.7	-	20.5	18.3
13	-	-	-	-	-	18.0	16.6	16.6	15.5	-	20.0	21.6
14	-	-	-	-	-	17.7	17.2	17.2	17.7	-	17.7	19.4
15	-	-	-	-	-	16.6	16.2	17.7	16.6	16.6	19.4	20.5
16	-	-	-	-	-	18.0	17.7	16.6	16.3	17.7	16.1	20.0
17	-	-	-	-	-	18.5	15.5	17.7	16.0	16.1	16.0	22.2
18	-	-	-	-	-	17.7	18.3	15.5	15.5	17.7	20.0	18.8
19	-	-	-	-	-	18.8	16.6	16.0	16.7	20.5	20.5	18.8
20	-	-	-	-	-	20.0	16.6	15.5	18.3	15.5	23.7	16.6
21	-	-	-	-	-	16.1	16.1	16.1	17.7	17.7	21.1	21.1
22	-	-	-	-	-	18.3	16.1	17.2	16.0	16.6	15.5	20.0
23	-	-	-	-	-	19.8	16.1	17.7	16.0	20.5	15.5	21.0
24	-	-	-	-	-	19.0	17.7	17.7	16.5	18.3	15.0	20.0
25	-	-	-	-	-	17.7	17.0	17.4	16.6	18.3	14.0	20.0
26	-	-	-	-	-	18.7	15.5	17.2	18.3	15.5	18.3	16.6
27	-	-	-	-	-	17.7	16.6	17.2	17.7	16.6	17.8	22.0
28	-	-	-	-	-	16.1	17.2	17.2	18.3	20.0	17.2	20.0
29	-	-	-	-	-	17.0	16.2	17.2	16.6	16.6	20.0	20.0
30	-	-	-	-	-	17.0	18.0	17.4	16.8	20.5	23.5	19.0
31	-	-	-	-	-		16.1	16.1		17.2		20.0
Prom. Mens.	-	-	-	-	-	18.2	17.1	17.0	16.7	17.8	18.6	19.7

PROMEDIO ANUAL = 17.9

P I S C O P L A Y A

Lat. 13° 45' S.
Long. 76° 14' W. de G.
Alt. 6 mts. s.n. del mar.

TEMPERATURA DEL AGUA DEL MAR OBSERVADA A HORAS 18.00

Fecha	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
1	-	-	-	-	-	17.7	18.0	17.2	15.5	-	-	21.1
2	-	-	-	-	-	18.8	18.3	18.3	16.1	-	17.2	18.3
3	-	-	-	-	-	16.5	16.3	19.4	17.2	-	17.5	18.3
4	-	-	-	-	-	18.8	16.6	18.5	16.1	-	20.0	18.8
5	-	-	-	-	-	18.0	17.7	17.8	15.5	-	21.6	21.1
6	-	-	-	-	-	18.8	17.7	17.2	16.1	-	20.0	21.1
7	-	-	-	-	-	18.8	17.2	18.3	15.5	-	20.0	21.2
8	-	-	-	-	-	18.8	17.2	18.2	16.0	-	21.0	21.0
9	-	-	-	-	-	18.8	17.2	17.8	16.6	-	22.0	20.0
10	-	-	-	-	-	17.0	17.2	17.7	17.2	-	22.0	25.5
11	-	-	-	-	-	18.0	15.5	17.8	17.0	18.8	21.0	20.5
12	-	-	-	-	-	21.1	15.5	17.0	16.1	-	16.1	17.7
13	-	-	-	-	-	18.8	15.5	19.4	17.7	-	19.4	20.5
14	-	-	-	-	-	17.7	18.3	18.8	16.8	-	21.0	21.6
15	-	-	-	-	-	17.7	18.3	17.0	18.8	18.3	22.2	21.6
16	-	-	-	-	-	17.7	17.2	15.5	18.5	18.3	19.5	21.0
17	-	-	-	-	-	17.0	18.3	16.6	18.1	18.8	18.3	22.7
18	-	-	-	-	-	17.7	17.7	16.1	18.0	16.8	20.0	23.3
19	-	-	-	-	-	17.7	18.3	17.1	16.6	16.1	19.4	22.0
20	-	-	-	-	-	18.8	17.0	16.8	17.2	16.5	15.5	18.3
21	-	-	-	-	-	17.7	18.3	16.1	17.0	17.0	19.4	19.0
22	-	-	-	-	-	17.7	16.6	16.0	17.5	18.0	20.5	20.0
23	-	-	-	-	-	16.6	16.6	18.0	17.3	15.5	18.3	20.0
24	-	-	-	-	-	17.0	18.8	18.3	17.8	19.4	17.0	22.0
25	-	-	-	-	-	16.0	16.6	16.5	17.2	17.7	18.0	20.0
26	-	-	-	-	-	17.2	16.6	17.0	17.5	18.0	18.2	18.1
27	-	-	-	-	-	18.8	16.6	17.7	17.2	18.0	17.5	21.0
28	-	-	-	-	-	18.3	17.2	18.8	17.7	19.0	18.8	18.0
29	-	-	-	-	-	18.0	16.0	18.3	17.5	17.7	18.3	18.0
30	-	-	-	-	-	18.0	16.6	18.5	17.0	21.1	18.3	18.0
31	-	-	-	-	-		15.5	16.6		20.0		22.0
Prom. Mens.	-	-	-	-	-	18.0	17.1	17.5	17.0	18.0	19.2	20.4

PROMEDIO ANUAL = 18.2

C H A L A

Lat. 15° 48' S.
Long. 74° 17' W. de G.
Alt.

TEMPERATURA DEL AGUA DEL MAR OBSERVADA A HORAS 07.00

Fecha	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
1	-	-	-	-	-	-	-	13.2	15.0	-	14.0	14.0
2	-	-	-	-	-	-	-	13.0	13.0	12.0	12.0	15.0
3	-	-	-	-	-	-	-	11.0	12.0	13.0	15.0	17.0
4	-	-	-	-	-	-	-	16.3	11.0	13.0	15.0	13.0
5	-	-	-	-	-	-	-	14.0	10.0	11.0	13.0	12.0
6	-	-	-	-	-	-	-	13.0	12.0	16.0	14.0	13.0
7	-	-	-	-	-	-	-	14.0	11.0	12.0	13.0	12.0
8	-	-	-	-	-	-	-	14.0	14.0	13.0	16.0	12.0
9	-	-	-	-	-	-	-	15.0	14.0	13.0	13.0	15.0
10	-	-	-	-	-	-	-	15.0	14.0	12.0	12.0	15.0
11	-	-	-	-	-	-	-	13.0	11.0	14.0	14.0	16.0
12	-	-	-	-	-	-	-	14.0	12.0	12.0	14.0	13.0
13	-	-	-	-	-	-	-	15.2	11.0	12.0	15.0	15.0
14	-	-	-	-	-	-	-	12.0	12.0	16.0	14.0	15.0
15	-	-	-	-	-	-	-	14.0	12.0	13.0	12.0	15.0
16	-	-	-	-	-	-	-	15.0	13.0	13.0	15.0	14.0
17	-	-	-	-	-	-	-	13.0	12.5	13.0	16.0	19.0
18	-	-	-	-	-	-	-	13.0	12.0	12.0	16.0	17.0
19	-	-	-	-	-	-	-	13.0	11.0	12.0	13.0	16.0
20	-	-	-	-	-	-	-	14.0	12.0	12.0	14.0	14.0
21	-	-	-	-	-	-	-	14.3	15.0	14.0	14.0	16.0
22	-	-	-	-	-	-	-	13.0	15.0	15.0	14.0	15.0
23	-	-	-	-	-	-	-	13.0	12.0	14.0	11.0	16.0
24	-	-	-	-	-	-	-	13.0	12.0	14.0	10.0	16.0
25	-	-	-	-	-	-	-	13.0	12.0	13.0	11.0	17.0
26	-	-	-	-	-	-	-	13.0	12.0	13.0	10.8	15.0
27	-	-	-	-	-	-	-	13.0	13.0	13.0	10.0	18.0
28	-	-	-	-	-	-	-	12.0	13.0	13.0	16.0	15.0
29	-	-	-	-	-	-	-	13.0	13.0	13.0	13.0	18.0
30	-	-	-	-	-	-	-	13.0	12.0	13.0	15.0	18.0
31	-	-	-	-	-	-	-	12.0		12.0		17.0
Prom. Mens.	-	-	-	-	-	-	-	13.4	12.4	13.0	13.5	15.2

M O L L E N D O

Lat. 17° 00' S.
Long. 72° 00' W. de G.
Alt. 4 mts. s.n. del mar.

TEMPERATURA DEL AGUA DEL MAR OBSERVADA A HORAS 07.00

Fecha	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
1	18.0	16.0	15.0	15.0	15.0	16.0	16.0	15.0	16.0	15.0	15.0	17.0
2	17.0	16.0	16.0	15.0	15.0	16.0	16.0	15.0	16.0	15.0	15.0	15.0
3	17.0	17.0	16.0	15.0	15.0	16.0	16.0	15.0	15.0	15.0	16.0	15.0
4	16.0	17.0	15.0	15.0	15.0	16.0	16.0	15.0	15.0	16.0	15.0	15.0
5	17.0	16.0	15.0	15.0	16.0	16.0	16.0	15.0	15.0	16.0	16.0	15.0
6	17.0	16.0	15.0	15.0	16.0	16.0	16.0	15.0	15.0	16.0	16.0	15.0
7	17.0	16.0	15.0	15.0	16.0	16.0	16.0	15.0	15.0	16.0	16.0	15.0
8	17.0	16.0	15.0	15.0	15.0	16.0	16.0	15.0	15.0	16.0	16.0	15.0
9	18.0	16.0	15.0	15.0	16.0	16.0	16.0	15.0	15.0	16.0	16.0	15.0
10	17.0	16.0	15.0	15.0	16.0	16.0	16.0	15.0	15.0	16.0	16.0	15.0
11	18.0	16.0	15.0	15.0	16.0	16.0	16.0	15.0	15.0	16.0	17.0	15.0
12	17.0	16.0	15.0	15.0	16.0	16.0	16.0	15.0	15.0	16.0	17.0	15.0
13	17.0	17.0	16.0	15.0	16.0	16.0	16.0	15.0	15.0	16.0	17.0	15.0
14	17.0	16.0	16.0	15.0	16.0	16.0	16.0	15.0	15.0	16.0	17.0	15.0
15	17.0	17.0	15.0	15.0	16.0	16.0	16.0	15.0	15.0	16.0	17.0	15.0
16	17.0	16.0	15.0	15.0	16.0	16.0	16.0	15.0	15.0	16.0	17.0	15.0
17	17.0	16.0	15.0	15.0	16.0	16.0	16.0	15.0	15.0	15.0	17.0	15.0
18	17.0	16.0	15.0	15.0	16.0	16.0	15.8	15.0	15.0	15.0	17.0	16.0
19	17.0	16.0	15.0	15.0	16.0	16.0	16.0	15.0	15.0	14.0	17.0	16.0
20	17.0	16.0	15.0	15.0	16.0	16.0	15.8	15.0	15.0	15.0	17.0	15.0
21	18.0	16.0	15.0	15.0	16.0	16.0	16.0	15.0	15.0	15.0	17.0	16.0
22	17.0	17.0	15.0	15.0	16.0	16.0	15.5	16.0	15.0	15.0	17.0	16.0
23	17.0	15.0	15.0	15.0	16.0	16.0	16.0	16.0	15.0	15.0	17.0	16.0
24	17.0	15.0	15.0	15.0	16.0	16.0	15.8	16.0	15.0	15.0	17.0	16.0
25	18.0	16.0	15.0	15.0	16.0	16.0	16.0	15.0	15.0	15.0	16.0	16.0
26	18.0	15.0	15.0	15.0	16.0	16.0	15.8	16.0	15.0	15.0	17.0	16.0
27	17.0	16.0	15.0	15.0	16.0	16.0	15.6	16.0	15.0	15.0	17.0	15.0
28	17.0	15.0	15.0	15.0	16.0	16.0	16.0	16.0	15.0	16.0	17.0	15.0
29	17.0		15.0	15.0	16.0	16.0	16.0	16.0	15.0	15.0	17.0	16.0
30	18.0		15.0	15.0	16.0	16.0	16.0	16.0	15.0	15.0	16.0	16.0
31	18.0		15.0		16.0		16.0	16.0		16.0		16.0
Prom. Mens.	17.2	16.0	15.1	15.0	15.8	16.0	15.9	15.3	15.1	15.4	16.5	15.4

PROMEDIO ANUAL = 15.7

M O L L E N D O

Lat. 17° 00' S.
Long. 72° 00' W. de G.
Alt. 4 mts. s.n. del mar.

TEMPERATURA DEL AGUA DEL MAR OBSERVADA A HORAS 13.00

Fecha	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
1	17.0	17.0	16.0	16.0	15.0	16.0	16.0	15.0	16.0	15.0	16.0	16.0
2	17.0	17.0	16.0	16.0	15.0	16.0	16.0	15.0	16.0	15.0	16.0	15.0
3	17.0	17.0	16.0	16.0	15.0	16.0	16.0	15.0	15.0	15.0	16.0	15.0
4	17.0	17.0	16.0	16.0	15.0	16.0	16.0	15.0	15.0	16.0	15.0	15.0
5	17.0	16.0	16.0	16.0	16.0	16.0	16.0	15.0	15.0	16.0	16.0	15.0
6	17.0	17.0	16.0	15.0	16.0	16.0	16.0	15.0	15.0	16.0	16.0	15.0
7	17.0	17.0	16.0	16.0	16.0	16.0	16.0	15.0	15.0	16.0	16.0	15.0
8	17.0	16.0	16.0	15.0	15.0	16.0	16.0	15.0	15.0	16.0	16.0	15.0
9	18.0	17.0	16.0	15.0	16.0	16.0	16.0	15.0	15.0	16.0	16.0	15.0
10	18.0	16.0	16.0	15.0	16.0	16.0	16.0	15.0	15.0	16.0	16.0	15.0
11	18.0	17.0	16.0	15.0	16.0	16.0	16.0	15.0	15.0	16.0	16.0	15.0
12	18.0	16.0	16.0	16.0	16.0	16.0	16.0	15.0	15.0	16.0	17.0	15.0
13	17.0	17.0	16.0	15.0	16.0	16.5	16.0	15.0	15.0	16.0	17.0	15.0
14	17.0	17.0	16.0	15.0	16.0	16.0	16.0	15.0	15.0	16.0	17.0	15.0
15	17.0	17.0	16.0	15.0	16.0	16.0	16.0	15.0	15.0	16.0	17.0	15.0
16	18.0	16.0	16.0	15.0	16.0	16.0	16.0	15.0	15.0	16.0	17.0	15.0
17	17.0	16.0	16.0	15.0	16.0	16.0	16.0	15.0	15.0	15.0	17.0	15.0
18	17.0	16.0	16.0	15.0	16.0	16.2	16.0	15.0	15.0	15.0	17.0	15.0
19	18.0	16.0	16.0	16.0	16.0	16.0	16.0	15.0	15.0	14.0	17.0	16.0
20	18.0	16.0	16.0	15.0	16.0	16.0	15.8	15.0	15.0	15.0	17.0	15.0
21	18.0	16.0	16.0	15.0	16.0	16.0	16.0	16.0	15.0	15.0	17.0	15.0
22	18.0	16.0	16.0	15.0	16.0	16.0	15.5	16.0	15.0	15.0	17.0	15.0
23	17.0	16.0	16.0	15.0	16.0	16.0	16.0	16.0	15.0	15.0	17.0	15.0
24	17.0	16.0	16.0	15.0	16.0	16.0	16.0	16.0	15.0	15.0	17.0	16.0
25	18.0	16.0	16.0	15.0	16.0	16.0	16.0	16.0	15.0	15.0	16.0	15.0
26	18.0	15.0	15.0	15.0	16.0	16.0	16.0	16.0	15.0	15.0	17.0	16.0
27	17.0	16.0	16.0	15.0	16.0	16.0	15.8	16.0	15.0	15.0	17.0	16.0
28	18.0	16.0	16.0	15.0	16.0	16.0	16.0	16.0	15.0	15.0	17.0	15.0
29	18.0		16.0	15.0	16.0	16.5	16.0	16.0	15.0	15.0	17.0	16.0
30	18.0		16.0	15.0	16.0	16.0	16.0	16.0	15.0	15.0	16.0	16.0
31	18.0		16.0		16.0		16.0	16.0		16.0		16.0
Prom. Mens.	17.5	16.4	16.0	15.3	15.8	16.0	16.0	15.4	15.1	15.4	16.5	15.3

PROMEDIO ANUAL = 15.9

M O L L E N D O

Lat. 17° 00' S.
Long. 72° 00' W. de G.
Alt. 4 mts. s.n. del mar.

TEMPERATURA DEL AGUA DEL MAR OBSERVADA A HORAS 18.00

Fecha	ENE.	FEB.	MAR.	ABR.	MAY.	JUN.	JUL.	AGO.	SET.	OCT.	NOV.	DIC.
1	17.0	17.0	16.0	16.0	15.0	16.0	16.0	15.0	16.0	15.0	16.0	16.0
2	17.0	17.0	16.0	16.0	15.0	16.0	16.0	15.0	16.0	15.0	16.0	15.0
3	17.0	17.0	16.0	16.0	15.0	16.0	16.0	15.0	15.0	15.0	16.0	15.0
4	17.0	17.0	16.0	16.0	15.0	16.0	16.0	15.0	15.0	16.0	15.0	15.0
5	17.0	17.0	16.0	15.0	16.0	16.0	16.0	15.0	15.0	16.0	16.0	15.0
6	17.0	17.0	16.0	15.0	16.0	16.0	16.0	15.0	15.0	16.0	16.0	15.0
7	17.0	17.0	16.0	15.0	15.0	16.4	16.0	15.0	15.0	16.0	16.0	15.0
8	17.0	16.0	16.0	15.0	15.0	16.0	16.0	15.0	15.0	16.0	16.0	15.0
9	18.0	15.0	16.0	15.0	15.0	16.0	16.0	15.0	15.0	16.0	16.0	15.0
10	18.0	16.0	16.0	15.0	16.0	16.0	16.0	15.0	15.0	16.0	16.0	15.0
11	17.0	17.0	16.0	15.0	16.0	16.0	16.0	15.0	15.0	16.0	16.0	15.0
12	18.0	16.0	16.0	16.0	16.0	16.0	16.0	15.0	15.0	16.0	17.0	15.0
13	17.0	17.0	16.0	15.0	16.0	15.8	16.0	15.0	15.0	16.0	17.0	15.0
14	17.0	17.0	16.0	15.0	16.0	16.0	16.0	15.0	15.0	16.0	17.0	15.0
15	17.0	17.0	16.0	15.0	16.0	16.0	16.0	15.0	15.0	16.0	17.0	15.0
16	17.0	16.0	16.0	14.0	16.0	16.0	16.0	15.0	15.0	16.0	17.0	15.0
17	17.0	15.0	16.0	14.8	16.0	16.0	16.0	15.0	15.0	15.0	17.0	15.0
18	17.0	16.0	16.0	15.0	16.0	15.8	15.8	15.0	15.0	15.0	17.0	15.0
19	18.0	16.0	16.0	16.0	16.0	16.5	16.0	15.0	15.0	14.0	17.0	16.0
20	18.0	15.0	16.0	15.0	16.0	16.0	15.8	16.0	15.0	15.0	18.0	15.0
21	18.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	15.0	15.0	17.0	16.0
22	17.0	15.0	16.0	15.0	16.0	16.0	15.5	16.0	15.0	15.0	17.0	16.0
23	17.0	16.0	16.0	14.0	16.0	16.0	16.0	16.0	15.0	15.0	17.0	16.0
24	17.0	16.0	16.0	15.0	15.0	16.0	16.0	16.0	15.0	15.0	17.0	16.0
25	18.0	15.0	15.0	15.0	16.0	16.0	16.0	16.0	15.0	15.0	16.0	15.0
26	16.0	15.0	15.0	15.0	16.0	16.0	15.8	16.0	15.0	15.0	17.0	15.0
27	17.0	16.0	16.0	15.0	16.0	16.5	16.0	16.0	15.0	15.0	17.0	16.0
28	17.0	16.0	16.0	15.0	16.0	16.0	16.0	16.0	15.0	15.0	17.0	16.0
29	18.0		16.0	15.0	16.0	16.0	16.0	16.0	15.0	15.0	17.0	16.0
30	17.0		16.0	15.0	16.0	16.0	16.0	16.0	15.0	15.0	16.0	16.0
31	18.0		16.0		16.0		16.0	16.0		16.0		16.0
Prom. Mens.	17.3	16.2	15.9	15.2	15.7	16.0	16.0	15.4	15.1	15.4	16.6	15.4

PROMEDIO ANUAL = 15.8

TERCERA PARTE

SONDAJES AEROLOGICOS

ESTACION: TALARA — MARZO DE 1951

CANTIDAD DE OBSERVS.	DD	SUPERF. 88 mts. F - V	300 F - V	600 F - V	900 F - V	1500 F - V	2100 F - V	2400 F - V	3000 F - V	4200 F - V	5400 F - V	6000 F - V
37	N	- -	1 -11	1 -15	4 - 7	3 -14	5 -13	4 -14	2 -18	3 -60	1 -22	3 -11
	NE	- -	1 -15	3 -18	3 -12	5 -13	3 -12	7 -21	4 -13	2 -21	4 -29	3 -24
	E	- -	- -	3 -18	7 -13	8 -12	11-16	7 -26	12-24	10-26	6 -35	3 -16
	SE	1 -11	7 -17	8 -23	4 -12	5 - 8	6 -20	4 -19	8 -19	1 -22	2 -22	3 -18
	S	22-16	13-23	9 -16	7 -17	7 -22	5 -11	4 -15	5 -16	6 -22	- -	1 -33
	SW	3 -28	9 -21	4 -18	5 - 8	2 -15	2 -11	4 -13	- -	1 -16	3 -28	3 -32
	W	9 -20	1 -33	5 -13	2 -13	4 -15	2 - 6	4 -17	3 -31	5 -20	5 -20	3 -29
	NW	1 -22	5 -15	4 -13	5 - 6	3 -10	3 -25	2 - 9	2 -27	1 -13	3 -19	2 -23
	C	1	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -

ESTACION: TALARA — ABRIL DE 1951

CANTIDAD DE OBSERVS.	DD	SUPERF. 88 mts. F - V	300 F - V	600 F - V	900 F - V	1500 F - V	2100 F - V	2400 F - V	3000 F - V	4200 F - V	5400 F - V	6000 F - V
59	N	- -	- -	1-11	5 - 9	13-11	5-20	6-19	- -	3-14	2-20	2-20
	NE	- -	2-11	- -	2-13	10-11	12-16	9-23	7-26	4-49	4-30	4-29
	E	1-26	1-18	4-10	4-12	14-18	24-23	29-24	40-30	31-28	16-31	13-35
	SE	2-16	21-39	19-31	11-22	7-12	8-16	9-24	1-33	7-24	9-16	6-21
	S	50-22	27-32	22-27	22-19	5 - 9	5-10	4-20	5-21	3-23	6-19	6-11
	SW	5-22	7-24	9-18	4-15	2 - 4	- -	1 - 7	1 - 4	2-17	1-17	1-39
	W	1-15	1-11	3-13	5-13	4-11	4 - 7	- -	3-24	3-11	1 - 7	3-18
	NW	- -	- -	1-11	6-15	4-10	1 - 7	1-11	1 - 7	2-39	2-32	- -
	C	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	1

NOTA: F= Frecuencia V = Velocidad media en kilómetros por hora

E S T A C I O N : T A L A R A — M A Y O D E 1951

CANTIDAD DE OBSERVS.	DD	SUPERF. 88 mts. F - V	300 F - V	6 F - V	900 F - V	1500 F - V	2100 F - V	2400 F - V	3000 F - V	4200 F - V	5400 F - V	6000 F - V
57	N	- -	1 - 9	- -	3-12	15-16	14-18	12-15	3-22	2-13	5-15	6-22
	NE	- -	- -	- -	5-10	13-16	7-16	9-24	4-27	20-33	10-30	7-29
	E	- -	2-11	2-13	8 - 9	9-12	13-16	19-21	31-27	20-39	14-26	8-18
	SE	- -	25-42	21-38	22-22	6-13	13-19	12-18	11-23	8-20	10-25	7-27
	S	49-22	26-30	30-28	10-22	5-11	2-13	2-22	4-19	1-14	5-19	4-13
	SW	3-27	3-22	3-11	2 - 8	2-10	- -	- -	- -	1 - 4	1 - 7	2-28
	W	4-29	- -	- -	1 - 4	1-37	6-18	2-13	1 - 9	- -	1-10	4-11
	NW	1 - 1	- -	- -	5-24	6-15	2-13	1-20	2-33	2-17	1 - 7	5-33
	C	- -	- -	1	1	- -	- -	- -	- -	- -	- -	- -

E S T A C I O N : T A L A R A — J U N I O D E 1952

CANTIDAD DE OBSERVS.	DD	SUPERF. 88 mts. F - V	300 F - V	600 F - V	900 F - V	1500 F - V	2100 F - V	2400 F - V	3000 F - V	4200 F - V	5400 F - V	6000 F - V
60	N	- -	- -	- -	6-10	24-21	7-23	2 - 7	3-28	1-17	4-18	5-13
	NE	- -	- -	1 - 6	4-10	15-18	8-22	10-24	8-27	12-37	6-37	10-45
	E	- -	- -	2 - 7	8-17	6-16	18-18	24-25	30-27	33-34	22-31	13-34
	SE	1-18	28-46	24-45	23-25	8-22	15-19	16-21	11-29	9-17	7-27	7-20
	S	51-21	27-39	27-34	14-20	3-17	5-14	2-15	4-20	1-26	4-18	2-20
	SW	8-31	5-27	5-17	3-17	2-10	2-27	- -	1-22	- -	1-15	2-11
	W	- -	- -	- -	- -	1 - 6	- -	2-24	- -	- -	4-37	5-28
	NW	- -	- -	- -	1 - 9	- -	2-17	1-30	- -	- -	3-20	1-85
	C	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -

NOTA: F = Frecuencia V = Velocidad media en kilómetros por hora

ESTACION: TALARA — JULIO DE 1951

CANTIDAD DE OBSERVS.	DD	SUPERF. 88 mts. F - V	300 F - V	600 F - V	900 F - V	1500 F - V	2100 F - V	2400 F - V	3000 F - V	4200 F - V	5400 F - V	6000 F - V
47	N	- -	- -	2-13	7-18	10-18	5-16	2-37	2-33	2-16	1-22	3-27
	NE	- -	- --	- -	4-18	11-15	7-18	7-26	8-35	8-40	8-43	7-38
	E	- -	1-41	1-37	4-12	9-15	23-24	25-25	25-36	25-38	12-36	8-37
	SE	- -	19-37	24-33	14-21	6-25	9-26	7-19	5-38	2-30	6-33	1-18
	S	41-22	24-30	16-28	10-26	9-26	1-22	2-28	4-52	1-44	1-22	- -
	SW	6-25	3-17	3-16	3-13	- -	1-18	2-23	- -	- -	1-22	2-17
	W	- -	- -	- -	1 - 4	- -	- -	1-30	1-13	1-65	1-18	2-68
	NW	- -	- -	1 - 7	4 - 9	2-22	1 - 7	1-26	- -	1-26	1-22	- -
	C	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -

ESTACION: TALARA — AGOSTO DE 1951

CANTIDAD DE OBSERVS.	DD	SUPERF. 88 mts. F - V	300 F - V	600 F - V	900 F - V	1500 F - V	2100 F - V	2400 F - V	3000 F - V	4200 F - V	5400 F - V	6000 F - V
58	N	- -	- -	2-43	11-13	9-16	3-13	3-19	- -	3-20	5-18	5-18
	NE	- -	2-27	2-22	4-11	6-13	6-24	7-26	10-28	16-27	9-20	5-26
	E	- -	- -	5-24	6-23	11-10	20-24	26-21	35-34	19-31	14-32	12-28
	SE	- -	21-47	21-46	23-22	16-18	16-18	11-26	8-29	11-26	4-21	6-26
	S	49-26	29-36	26-35	8-25	6-13	8-19	5-17	3-16	- -	4-18	5-14
	SW	4-24	5-22	2-27	2-6	4-11	1-9	2-28	- -	- -	2-30	- -
	W	5-28	- -	- -	1-6	2-16	- -	- -	- -	- -	2-8	2-22
	NW	- -	1-33	- -	3-15	4-25	3-25	3-19	- -	4-33	2-29	2-26
	C	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -

NOTA: F= Frecuencia V = Velocidad media en kilómetros por hora

E S T A C I O N: T A L A R A — SETIEMBRE DE 1951

CANTIDAD DE OBSERVS.	DD	SUPERF. 88 mts. F - V	300 F - V	600 F - V	900 F - V	1500 F - V	2100 F - V	2400 F - V	3000 F - V	4200 F - V	5400 F - V	6000 F - V
56	N	- -	- -	- -	10-12	17-21	9-17	6-15	- -	2-24	5-20	[illegible]-27
	NE	- -	- -	2-12	3-12	10-22	14-18	13-16	3-40	12-25	12-33	[illegible]-34
	E	- -	- -	2-10	11-16	4-11	10-16	24-18	40-28	26-30	13-38	13-28
	SE	2-10	17-44	23-36	16-23	7-12	11-18	8-26	8-31	11-16	7-25	3-35
	S	50-26	34-35	26-31	11-16	10-16	6-17	1 - 9	3-13	1 - 9	4-25	[illegible]-33
	SW	3-31	3-28	1-11	- -	2-14	- -	2-13	2-12	2-16	3-24	[illegible]
	W	1-22	- -	- -	2 - 9	1 - 7	3-13	1 - 7	- -	- -	1-15	[illegible]
	NW	- -	- -	1 - 4	2-15	4-21	3-18	1 - 4	- -	- -	1 - 9	[illegible]-22
	C	- -	- -	- -	- -	1	- -	- -	- -	- -	- -	- -

E S T A C I O N: T A L A R A — O C T U B R E DE 1951

CANTIDAD DE OBSERVS.	DD	SUPERF. 88 mts. F - V	300 F - V	600 F - V	900 F - V	1500 F - V	2100 F - V	2400 F - V	3000 F - V	4200 F - V	5400 F - V	6000 F - V
58	N	- -	- -	- -	6-20	17-21	10-19	8-24	8-18	7-13	4-25	4-32
	NE	- -	- -	- -	7-14	7-14	7-11	8-17	9-19	8-16	11-17	9-26
	E	- -	- -	1 - 9	3 - 9	9-18	12-18	16-20	14-31	18-32	12-27	10-29
	SE	2-24	10-47	21-34	22-22	8-21	15-19	13-22	15-29	8-18	3-35	1 - 9
	S	50-29	41-32	29-30	16-16	8-22	5-18	5-32	7-26	8-17	5-18	4-15
	SW	2-35	7-28	5-27	2 - 7	1 - 7	2-18	2 - 6	1-32	2-26	2-13	3-23
	W	4-25	- -	1-11	1 - 2	- -	1-33	1-17	5-13	4-11	4-13	2-24
	NW	- -	- -	1-15	1-15	5-13	4-11	2-20	3-16	1 - 4	1-28	3-21
	C	- -	- -	- -	- -	1	- -	- -	- -	- -	- -	- -

NOTA: F = Fecuencia; V = Velocidad media en kilómetros por hora

ESTACION: TALARA — NOVIEMBRE DE 1951

CANTIDAD DE OBSERVS.	DD	SUPERF. 88 mts. F - V	300 F - V	600 F - V	900 F - V	1500 F - V	2100 F - V	2400 F - V	3000 F - V	4200 F - V	5400 F - V	6000 F - V
52	N	- -	1-72	- -	7-10	7-27	14-19	8-20	11-16	3-20	3-22	4-30
	NE	- -	- -	- -	4-20	11-17	5-14	2-13	4-28	4-19	6-25	2-33
	E	- -	1-63	1-11	5-13	7-13	8-18	11-15	12-18	11-24	6-21	8-35
	SE	- -	18-47	24-40	22-28	8-16	13-19	13-26	5-16	5-15	6-28	4-16
	S	47-26	28-38	23-41	11-24	13-23	6-15	8-23	6-17	12-21	6-25	5-26
	SW	4-30	4-22	2-22	2 - 5	2-12	2-18	2-16	3-14	2-11	2-14	2-21
	W	1-15	- -	1-22	- -	2-11	- -	1-63	4-11	4-11	3-11	3-14
	NW	- -	- -	1 - 9	1 - 6	2-13	4-17	6-12	5 - 8	5-15	2-18	1 - 7
	C	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -

ESTACION: TALARA — DICIEMBRE DE 1951

CANTIDAD DE OBSERVS	DD	SUPERF. 88 mts. F - V	300 F - V	600 F - V	900 F - V	1500 F - V	2100 F - V	2400 F - V	3000 F - V	4200 F - V	5400 F - V	6000 F - V
52	N	- -	- -	- -	5-15	12-22	11-18	7-20	7-18	3 - 9	4 - 5	3-14
	NE	- -	- -	- -	3-10	8-22	7-20	8-28	8-20	10-22	2-20	7-20
	E	- -	- -	1-24	5-17	10-9	13-19	16-22	18-23	16-28	17-32	11-23
	SE	2-14	17-43	21-43	13-20	6-11	13-20	10-24	9-20	8-23	6-21	7-21
	S	42-25	29-38	25-29	15-19	5-25	3-14	5-13	3-16	2 - 6	5-17	1-22
	SW	4-30	5-28	4-17	5-13	2-10	1 - 7	- -	- -	2-10	1 - 7	- -
	W	4-25	1-11	- -	3-10	4 - 9	1-74	1-15	2 - 7	4-13	3-14	- -
	NW	- -	- -	1 - 9	3-11	5-10	3-10	4-18	4-10	4-18	5-14	3 - 8
	C	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -

NOTA: F = Frecuencia; V = Velocidad media en kilómetros por hora

ESTACION: CHICLAYO — ENERO DE 1951

CANTIDAD DE OBSERVS.	DD	SUPERF. 31 mts. F - V	300 F - V	600 F - V	900 F - V	1500 F - V	2100 F - V	2400 F - V	3000 F - V	4200 F - V	5400 F - V	6000 F - V
45	N	- -	1 - 4	8-21	7-16	12-10	7-13	7 - 6	6-13	2-15	2-19	2-15
	NE	- -	-- -	- -	1 - 9	2 - 8	5 - 8	5-11	3-15	9-19	4-21	3-18
	E	- -	3-15	2-18	2 - 6	6-14	5-12	9-13	11-18	5-17	2-25	4-21
	SE	- -	13-27	11-25	11-14	11-11	10-19	6-20	4-17	2-13	2-10	- -
	S	42-24	24-35	19-29	16-14	4 - 8	7-10	8-20	14-13	6-16	1 - 7	- -
	SW	- -	2-15	5-24	5-11	3-16	1-11	2-12	5-11	7-15	1-22	2-17
	W	- -	2 - 5	1-15	1 - 9	3 - 9	4-13	2 - 6	1 - 4	2-15	5-17	3-20
	NW	- -	- -	1-15	2-10	4-17	6-18	5-10	1 - 4	2-15	2-10	- -
	C	3	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -

ESTACION: CHICLAYO — FEBRERO DE 1951

CANTIDAD DE OBSERVS.	DD	SUPERF 31 mts. F - V	300 F - V	600 F - V	900 F - V	1500 F - V	2100 F - V	2400 F - V	3000 F - V	4200 F - V	5400 F - V	6000 F - V
103	N	- -	3 - 5	6-16	12-13	27-10	26-12	19-13	15-15	6-14	2-14	2-14
	NE	- -	3-12	4 - 6	4 - 6	17-9	17-14	6-12	11-26	10-28	9-28	5-37
	E	- -	5-12	2-15	6 - 9	17-9	21-13	26-22	29-24	23-27	10-29	8-20
	SE	- -	23-21	17-23	12-14	9-12	12-13	14-15	13-15	1-19	3-19	4-13
	S	94-24	59-37	56-32	47-18	16-15	11-12	15-12	15-18	14-21	1 - 6	- -
	SW	- -	7-15	7-21	3-14	2 - 7	7 - 7	3-12	6-12	8-23	3-28	1-30
	W	1 - 6	1 - 6	5-10	12-7	7-10	4 - 7	5-10	4-10	11-16	7-37	6-32
	NW	- -	2 - 4	6-20	7-11	8-13	5 - 8	15-12	9-17	4 - 7	1 - 7	2-25
	C	8	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -

Nota: F = Frecuencia; V = Velocidad media en kilómetros por hora

ESTACION: CHICLAYO MARZO DE 1951

CANTIDAD DE OBSERVS.	DD	SUPERF. 31 mts. F - V	300 F - V	600 F - V	900 F - V	1500 F - V	2100 F - V	2400 F - V	3000 F - V	4200 F - V	5400 F - V	6000 F - V
87	N	- -	2 - 6	9-20	12-16	12-14	23-12	11-13	13-17	8-12	3-12	4-11
	NE	1-22	1 - 9	2-20	2-23	16-11	12-15	13-18	6-12	15-25	4-19	2-12
	E	- -	3-17	13-16	3-14	13-11	13-14	19-15	16-20	14-30	5-33	2-23
	SE	- -	14-18	15-21	15-15	10-12	9-15	14-15	11-14	4-37	- -	- -
	S	78-25	55-31	29-29	28-16	17-12	13-14	13-14	13-12	13-16	- -	3-10
	SW	- -	6-16	11-20	11-11	3 - 9	2-13	1 - 6	5-13	4-13	4-10	- -
	W	- -	3-12	6-16	8-11	6-12	6 - 9	2 - 9	8-11	5-14	4-21	5-25
	NW	- -	2 - 7	2-18	7-16	9-15	8-12	11-13	9-14	4-13	4-22	1-20
	C	8	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -

ESTACION: CHICLAYO ABRIL DE 1951

CANTIDAD DE OBSERVS.	DD	SUPERF. 31 mts. F - V	300 F - V	600 F - V	900 F - V	1500 F - V	2100 F - V	2400 F - V	3000 F - V	4200 F - V	5400 F - V	6000 F - V
27	N	- -	- -	- -	3-10	6-11	8 - 9	5 - 8	8-18	2-36	- -	- -
	NE	- -	- -	2-20	1-19	2-10	5-14	3-21	1 - 9	- -	- -	- -
	E	- -	1-22	- -	6-14	5-13	8-16	8-12	8-25	9-21	1-31	1-13
	SE	- -	3-18	7-25	6-14	2-19	1-19	3-17	5-13	1-22	1-41	- -
	S	24-26	23-42	18-32	5-13	3-11	2-12	2 - 9	1-11	- -	- -	- -
	SW	1-11	- -	- -	2 - 7	- -	1-15	1 - 9	- -	- -	1 - 7	1-48
	W	1-44	- -	- -	1 - 7	3-13	- -	- -	- -	- -	- -	- -
	NW	- -	- -	- -	3-19	6-13	2-14	4 - 8	2 - 7	1 - 7	- -	- -
	C	1	- -	-- -	- -	- -	- -	- -	- -	- -	- -	- -

Nota: F= Frecuencia; V = Velocidad media en kilómetros por hora

ESTACION: CHICLAYO — MAYO DE 1951

CANTIDAD DE OBSERVS.	DD	SUPERF. 31 mts. F - V	300 F - V	600 F - V	900 F - V	1500 F - V	2100 F - V	2400 F - V	3000 F - V	4200 F - V	5400 F - V	6000 F - V
65	N	- -	1-17	1-26	6-13	23-19	11-14	9-12	4-14	5-14	5-18	1-82
	NE	- -	- -	- -	3-12	6-12	5-12	4-13	10-19	5-19	1 - 7	- -
	E	- -	- -	3-38	21-11	9-11	6 - 8	12-15	20-15	15-25	1-19	- -
	SE	- -	7-27	12-25	11-15	6-12	10-15	14-19	8-26	7-20	2 - 8	1 - 9
	S	61-24	55-36	48-31	22-15	10-13	12-20	7-22	6-16	2-21	- -	- -
	SW	- -	2-30	- -	1 - 4	1-28	6-16	6 - 8	2 - 9	2-29	1-19	- -
	W	2-24	- -	1-11	1 - 7	1 - 6	6-10	7-15	4 - 9	1-28	1-43	1-44
	NW	- -	- -	- -	- -	9-15	9-16	4 - 6	5-11	2-14	2-29	3-33
	C	2	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -

ESTACION: CHICLAYO — JUNIO DE 1951

CANTIDAD DE OBSERVS.	DD	SUPERF. 31 mts. F - V	300 F - V	600 F - V	900 F - V	1500 F - V	2100 F - V	2400 F - V	3000 F - V	4200 F - V	5400 F - V	6000 F - V
38	N	- -	1-13	- -	2-17	8-22	7-12	7-17	1 - 7	2-10	1-31	1-33
	NE	- -	- -	- -	3-21	1-22	3-19	6-18	14-27	7-26	- -	- -
	E	1-22	1 - 7	1-24	15-13	3-24	10-16	11-22	14-23	12-25	1-37	- -
	SE	2 - 9	3-29	10-17	9-17	8-16	5 - 9	1-28	4-22	- -	- -	- -
	S	31-24	27-31	25-27	9-12	7-11	3-11	4-13	3-15	- -	- -	- -
	SW	1-19	6-22	2-27	- -	3-16	2 - 6	2-19	- -	1-13	- -	- -
	W	- -	- -	- -	- -	4-22	1 - 7	3-13	2-18	- -	- -	- -
	NW	- -	- -	- -	- -	4-26	7-11	4 - 8	- -	1-63	- -	- -
	C	3	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -

Nota: F = Frecuencia; V = Velocidad media en kilómetros por hora

ESTACION: CHICLAYO — JULIO DE 1951

CANTIDAD DE OBSERVS.	DD	SUPERF. 31 mts. F - V	300 F - V	600 F - V	900 F - V	1500 F - V	2100 F - V	2400 F - V	3000 F - V	4200 F - V	5400 F - V	6000 F - V
33	N	- -	- -	- -	2-13	6-23	2-10	4-23	4-21	- -	- -	- -
	NE	- -	- -	- -	3-15	1-19	5-29	7-27	10-21	1-20	- -	- -
	E	- -	1-43	2-15	4-17	9-13	12-42	11-24	13-42	11-36	1-22	- -
	SE	1-33	3-26	6-20	9-22	5-13	5-23	2-10	4-30	1 - 7	- -	- -
	S	30-19	26-32	24-25	1-15	6-17	5-25	6-30	2-19	- -	- -	- -
	SW	- -	3-20	1-15	3 - 9	2 - 3	1 - 9	1-15	- -	- -	- -	- -
	W	- -	- -	- -	1 - 4	1 - 9	1 - 7	2-23	- -	- -	- -	- -
	NW	- -	- -	- -	- -	3-32	2-15	- -	- -	- -	- -	- -
	C	2	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -

ESTACION: CHICLAYO — AGOSTO DE 1951

CANTIDAD DE OBSERVS	DD	SUPERF. 31 mts. F - V	300 F - V	600 F - V	900 F - V	1500 F - V	2100 F - V	2400 F - V	3000 F - V	4200 F - V	5400 F - V	6000 F - V
41	N	- -	- -	- -	8-11	8-12	4-17	5-15	8-11	2 - 6	2-17	1-74
	NE	- -	- -	- -	7-10	2-16	- -	7-26	3-49	7-24	3-39	- -
	E	1-11	- -	2-32	18-17	5-16	15-12	12-15	19-19	6-35	- -	- -
	SE	- -	1-13	10-17	2-18	5-14	9-19	4-17	- -	3-14	- -	- -
	S	37-26	40-27	20-26	5-19	10-19	8-19	10-18	7 - 9	2-11	- -	- -
	SW	- -	- -	- -	- -	1 - 4	3 - 8	- -	1 - 7	3-24	- -	- -
	W	- -	- -	- -	- -	1 - 4	1 - 9	1-11	- -	- -	- -	- -
	NW	- -	- -	- -	1-17	8 -11	1 - 4	2-34	1 -19	2-12	- -	- -
	C	3	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -

NOTA: F = Frecuencia V = Velocidad media en kilómetros por hora

ESTACION: CHICLAYO SETIEMBRE DE 1951

CANTIDAD DE OBSERVS.	DD	SUPERF. 31 mts. F - V	300 F - V	600 F - V	900 F - V	1500 F - V	2100 F - V	2400 F - V	3000 F - V	4200 F - V	5400 F - V	6000 F - V
46	N	- -	- -	4-16	13-10	10-12	4-12	7-16	5-18	4-18	1-13	- -
	NE	- -	- -	- -	4-16	1 - 4	3-12	3 - 7	11-19	4-29	- -	- -
	E	- -	1-19	5-16	12-13	6-14	5-14	10-17	11-21	12-23	1-28	- -
	SE	- -	2-14	7-17	9-12	5-14	11-20	9-21	6-25	3-19	1-41	1 - 4
	S	45-26	43-33	26-27	4-15	9-12	14-14	11-20	5-14	3-41	1-11	1 - 6
	SW	- -	- -	3-16	1 - 2	2-24	2 - 9	2 - 8	2-13	- -	1 - 9	1-19
	W	- -	- -	1-22	1 - 9	4 - 4	1-17	2-12	3 - 7	- -	- -	- -
	NW	- -	- -	- -	2 - 7	9-11	6-18	2-13	1 - 7	1-11	- -	- -
	C	1	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -

ESTACION: OCTUBRE DE 1951

CANTIDAD DE OBSERVS	DD	SUPERF. 31 mts. F - V	300 F - V	600 F - V	900 F - V	1500 F - V	2100 F - V	2400 F - V	3000 F - V	4200 F - V	5400 F - V	6000 F - V
36	N	- -	- -	- -	3-11	5-12	11-18	8-19	12-15	3-17	- -	2-10
	NE	- -	- -	- -	4-15	4-16	2-15	1-19	6-20	9-23	2-13	1-37
	E	- -	- -	- -	6-15	11-13	7-21	6-14	2-28	5-16	3-13	2-14
	SE	- -	1 - 6	9-18	6-16	4-14	3-15	5-23	2-30	7-23	2-24	- -
	S	36-24	34-33	23-29	12-21	8 - 9	4-15	4-16	7-21	4-26	- -	3-26
	SW	- -	1-41	3-16	- -	- -	1 - 9	2 - 9	1-19	1 - 4	3-22	1-20
	W	- -	- -	- -	1 - 4	3-14	3 - 5	2-11	2 - 8	1-37	- -	1-26
	NW	- -	- -	1 - 6	- -	1 - 9	8-14	7-15	3-19	- -	2-15	- -
	C	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -

Nota: F = Frecuencia; V = Velocidad media en kilómetros por hora

ESTACION: CHICLAYO NOVIEMBRE DE 1951

CANTIDAD DE OBSERVS.	DD	SUPERF. 31 mts. F - V	300 F - V	600 F - V	900 F - V	1500 F - V	2100 F - V	2400 F - V	3000 F - V	4200 F - V	5400 F - V	6000 F - V
44	N	- -	1-63	3-33	2-14	7-13	11-16	7-21	5-29	2-20	- -	- -
	NE	- -	1-30	- -	8-17	6-12	1-13	4-14	4-19	5-11	2-11	1-30
	E	- -	- -	1-15	12-15	8-13	2-31	4 - 7	- -	6-24	3-17	- -
	SE	- -	- -	5-17	10-16	5-18	5-15	1-37	1 - 7	1-17	- -	- -
	S	44-25	39-39	32-32	10-16	9-15	11-19	6-20	10-21	5-16	1-15	2 - 6
	SW	- -	1-28	3-31	- -	3-11	2 - 7	1 - 7	3 - 9	2-12	2 - 7	2-13
	W	- -	2-46	- -	1-11	- -	3 - 8	6-11	5 - 5	4 - 7	1-15	3-14
	NW	- -	- -	- -	1 - 7	4 - 7	8-10	10-15	12-11	5-17	3-24	1-41
	C	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -

ESTACION: CHICLAYO DICIEMBRE DE 1951

CANTIDAD DE OBSERVS.	DD	SUPERF. 31 mts. F - V	300 F - V	600 F - V	900 F - V	1500 F - V	2100 F - V	2400 F - V	3000 F - V	4200 F - V	5400 F - V	6000 F - V
49	N	- -	1-22	3-19	5-15	16-21	15-17	11-16	9 - 9	6 - 9	4-20	2-21
	NE	- -	- -	1-13	7-13	7-15	2-10	5-14	8-21	7-26	4-21	5-26
	E	- -	2-13	1 - 7	14-12	11-10	8-14	5 - 9	6-12	7-20	10-23	5-21
	SE	- -	2-32	5-29	11-13	4-14	5 - 9	7-10	6-16	3-13	1-11	- -
	S	49-24	44-37	37-29	9-14	7 - 9	4-15	7-26	5 - 7	3-36	2-14	4-22
	SW	- -	- -	2-28	1-11	1 - 6	1 - 6	1 - 7	2 - 5	2 - 9	- -	1-13
	W	- -	- -	- -	1 - 4	1 - 9	4 - 7	5 - 7	6-11	6-11	1 - 2	1-26
	NW	- -	- -	- -	1 - 4	2-30	9-15	7-14	5 - 7	2-28	1-15	- -
	C	- -	-- -	- -	- -	- -	- -	- -	- -	- -	- -	- -

Nota: F = Frecuencia; V = Velocidad media en kilómetros por hora

ESTACION: PISCO — ENERO DE 1971

CANTIDAD DE OBSERVS.	DD	SUPERF. 6 mts. F - V	300 F - V	600 F - V	900 F - V	1500 F - V	2100 F - V	2400 F - V	3000 F - V	4200 F - V	5400 F - V	6000 F - V
31	N	- -	7-15	5-14	3-20	4 - 9	1 - 7	6-11	4 - 8	3-15	7-14	[illegible]
	NE	- -	1-13	3-11	- -	2 - 9	3 - 9	2-28	- -	- -	- -	8-21
	E	- -	3 - 9	6 - 8	3-17	3 - 4	4 - 7	4-10	1-15	- -	6-20	10-21
	SE	- -	1 - 6	4-10	3-11	5-13	4-13	4-20	2 - 9	- -	5-16	[illegible]
	S	13-14	6-15	1 - 4	4 - 8	1 - 6	3 - 8	1 - 7	4-13	3-12	2-16	[illegible]
	SW	11-23	4-19	2-12	2 - 6	1 - 2	- -	1-31	3 - 7	3 - 7	3-14	- -
	W	3-14	7 - 7	7-15	6-13	6 - 6	4 - 7	2 - 7	3-12	8-14	[illegible]	2 - [illegible]
	NW	3-12	2-10	3-11	10-11	9-13	12-13	11-13	14-13	14-15	[illegible]	[illegible]
	C	1	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -

ESTACION: PISCO — FEBRERO DE 1971

CANTIDAD DE OBSERVS.	DD	SUPERF. 6 mts. F - V	300 F - V	600 F - V	900 F - V	1500 F - V	2100 F - V	2400 F - V	3000 F - V	4200 F - V	5400 F - V	6000 F - V
108	N	6-12	8 - 9	11-10	14-7	16-7	17-8	12-9	17-10	19-10	18-14	9-17
	NE	1 - 7	11-8	9 - 6	5 - 6	8 - 6	7 - 5	9 - 9	5-11	12-9	12-14	10-19
	E	1 - 4	15-7	19-10	9 - 7	11-8	15-10	6-11	12-9	20-13	19-17	17-13
	SE	- -	9-10	16-10	11-7	11-8	12-11	19-9	4 - 9	4-19	11-12	12-16
	S	49-16	17-12	16-6	10-6	10-8	5-9	7 - 7	4 - 8	10-11	14-10	13-12
	SW	28-24	30-13	9-10	12-9	5 - 6	3 - 5	2 - 5	1-11	8-11	8 - 9	5-17
	W	15-13	8-7	21-12	24-8	18-7	12- 9	14- 7	18- 9	16-13	5 -13	4-12
	NW	3 -14	9-9	7 -11	23-12	29-13	37-13	39-13	47-14	17-17	9 -15	11-16
	C	5	1	- -	- -	- -	- -	- -	- -	- -	- -	- -

NOTA: F = Frecuencia V = Velocidad media en kilómetros por hora

ESTACION: PISCO — MARZO DE 1951

CANTIDAD DE OBSERVS.	DD	SUPERF. 6 mts. F - V	300 F - V	600 F - V	900 F - V	1500 F - V	2100 F - V	2400 F - V	3000 F - V	4200 F - V	5400 F - V	6000 F - V
105	N	3-19	9-10	16-8	18-9	15-8	23-9	16-9	18-12	21-14	13-20	9-17
	NE	- -	15-6	10-9	5 - 8	5 - 6	7 - 7	5 - 8	2 - 4	10-10	6-13	10-21
	E	1-15	6 - 9	17-11	12-7	10-7	3-15	2-11	7-11	10-15	39-19	29-19
	SE	- -	9-10	10-9	12-10	12-14	10-13	10-19	14-13	14-14	10-20	7-22
	S	36-18	13-9	8 - 6	5 - 8	3 - 9	6 - 6	5 - 8	7 - 8	6-11	5-13	5-15
	SW	31-21	28-14	13-13	4-11	3 - 7	- -	1-19	1-11	5-11	4 - 9	2-19
	W	16-13	12-9	16-14	14-10	17-14	10-10	13-15	8-17	10-20	2 - 8	2-18
	NW	6-15	13-11	15-11	35-16	40-16	46-18	51-16	45-19	25-21	8-15	5-19
	C	12	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -

ESTACION: PISCO — ABRIL DE 1951

CANTIDAD DE OBSERVS.	DD	SUPERF. 6 mts. F - V	300 F - V	600 F - V	900 F - V	1500 F - V	2100 F - V	2400 F - V	3000 F - V	4200 F - V	5400 F - V	6000 F - V
122	N	2-17	11-10	8 - 9	16-10	6 - 7	5 - 9	6 - 7	15-8	12-13	12-19	14-26
	NE	- -	4 - 9	11-12	5 - 9	6 - 8	3 - 9	3 - 6	9 - 6	6-13	18-16	12-19
	E	- -	8-11	14-11	13-7	13-7	10-10	10-9	15-11	24-13	16-21	16-22
	SE	1-11	8 - 8	13-9	11-11	16-11	19-10	15-12	12-12	9-15	7-20	5-15
	S	33-16	13-15	6 - 9	7 - 6	10-6	6-10	8 - 9	5-11	7-14	6-15	5-26
	SW	14-26	23-14	14-11	1-11	5 - 5	4 - 7	3 - 7	5 - 7	4-10	3-15	4-19
	W	19-15	16-11	14-10	13-9	14-10	11-8	12-10	10-14	12-11	11-16	11-21
	NW	12-16	12-13	15-9	29-12	24-15	36-13	37-13	23-14	16-16	10-18	7-22
	C	14	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -

Nota: F = Frecuencia; V = Velocidad media en kilómetros por hora

ESTACION: PISCO — MAYO DE 1951

CANTIDAD DE OBSERVS.	DD	SUPERF. 6 mts. F - V	300 F - V	600 F - V	900 F - V	1500 F - V	2100 F - V	2400 F - V	3000 F - V	4200 F - V	5400 F - V	6000 F - V
52	N	- -	2 - 4	3 - 4	10-11	9-11	6-10	9 - 8	2 - 6	3 - 7	5-19	10-26
	NE	1 - 6	2 - 6	2 - 6	8 - 9	5 - 9	- -	2 - 7	3-15	1-11	5-16	2-15
	E	5 - 9	3-11	5-16	9 - 6	9 - 8	8-17	4-18	4 - 7	9-12	8-26	8-24
	SE	4-11	7-14	6-15	9-13	7-16	10-24	15-19	21-20	14-18	9-20	7-37
	S	7-15	5-13	3 - 7	2-10	1-11	10-12	9-23	9-18	10-17	6-22	2-16
	SW	13-20	18-17	13-9	3 - 4	1-19	2 - 6	1 - 4	1-11	2-13	2 - 5	4-24
	W	16-16	13-14	16-13	3-14	2 - 7	7 - 8	6-11	5-16	8-15	7-26	5-18
	NW	3-17	2 - 9	4 - 9	8-18	17-16	9-15	6-14	7-12	4-14	9-27	17-32
	C	3	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -

ESTACION: PISCO — JUNIO DE 1951

CANTIDAD DE OBSERVS.	DD	SUPERF. 6 mts. F - V	300 F - V	600 F - V	900 F - V	1500 F - V	2100 F - V	2400 F - V	3000 F - V	4200 F - V	5400 F - V	6000 F - V
35	N	- -	1 - 6	1 - 7	7-15	6-17	3 - 4	4 - 6	2 - 8	2-30	3-33	1-30
	NE	- -	1 - 7	2-13	2-10	1-11	- -	- -	1 - 2	- -	1-44	2-23
	E	- -	2 - 6	- -	8-15	6-15	1 - 6	1 - 6	2 - 7	1-31	- -	1-20
	SE	3 - 9	4-15	5-13	5-10	6-24	8-27	10-28	10-29	7-21	3-13	2-13
	S	5-15	7-26	3-14	8-13	3-12	7-19	7-13	5-22	2-15	- -	- -
	SW	16-19	8-16	13-15	1-11	1 - 4	3-15	3-10	3-12	4-16	1-17	1-7
	W	7-14	12-14	8-14	- -	3-11	4-16	3-14	9-15	5-14	3-25	6-25
	NW	2-17	- -	3-14	4-14	9-22	9-16	7-18	3-14	13-21	14-31	17-33
	C	2	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -

Nota: F = Frecuencia; V = Velocidad media en kilómetros por hora

ESTACION: PISCO — JULIO DE 1951

CANTIDAD DE OBSERVS.	DD	SUPERF. 6 mts. F - V	300 F - V	600 F - V	900 F - V	1500 F - V	2100 F - V	2400 F - V	3000 F - V	4200 F - V	5400 F - V	6000 F - V
33	N	- -	1-22	- -	4-15	4 - 7	2-14	- -	- -	2 - 8	9-30	8-25
	NE	1 - 4	- -	- -	6-14	3-14	- -	1 - 4	4-22	4 - 7	10-31	7-37
	E	1 - 7	- -	- -	6-16	2-35	1 - 6	1-11	2-19	7-12	3-25	4-26
	SE	4 - 9	2-19	1 - 6	8-12	6-22	12-19	10-22	11-22	5-25	2-23	- -
	S	5-23	8-15	7-14	14-12	4-12	1 - 9	3-17	4-18	4-10	2-11	2-23
	SW	12-24	17-18	14-14	1 - 7	3 - 9	1-13	2 - 7	1 - 4	3-15	2-33	1-13
	W	7-16	3-10	8 - 9	2 - 6	3-18	3-11	4 - 8	4-20	4-18	2-19	2-26
	NW	1-15	2-14	3-16	2 - 4	7-14	11-26	10-23	5-17	2-11	1-33	6-24
	C	2	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -

ESTACION: PISCO — AGOSTO DE 1951

CANTIDAD DE OBSERVS.	DD	SUPERF. 6 mts. F - V	300 F - V	600 F - V	900 F - V	1500 F - V	2100 F - V	2400 F - V	3000 F - V	4200 F - V	5400 F - V	6000 F - V
40	N	- -	1-20	1-11	6 - 9	5-11	1-22	4-19	2-11	5-20	3-28	4-25
	NE	- -	- -	4-10	6-15	3-13	1 - 6	- -	2 - 4	1-11	4-24	7-40
	E	4-14	4-13	2-10	10-13	3-22	1-24	3-6	5- 7	2-14	3-33	2-43
	SE	4- 9	5-27	9-17	9-19	8-28	8-33	5-30	6-25	5-24	1-33	1-22
	S	3-23	8-23	4-13	8- 9	9-15	5-12	6-15	6-16	5-14	4-33	3-38
	SW	19-23	19-19	16-16	- -	3- 7	5-11	3-11	2-19	4-11	2-24	3-16
	W	11-15	4-16	2- 9	2-16	3-10	12-14	7- 8	7-25	11-27	7-32	6-41
	NW	- -	1- 2	4-11	1- 4	8-22	9-26	14-31	11-34	8-31	8-40	7-41
	C	1	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -

Nota: F = Frecuencia ; V = Velocidad media en kilómetros por hora.

E S T A C I O N: P I S C O — SETIEMBRE DE 1951

CANTIDAD DE OBSERVS/	DD	SUPERF. 6 mts. F - V	300 F - V	600 F - V	900 F - V	1500 F - V	2100 F - V	2400 F - V	3000 F - V	4200 F - V	5400 F - V	6000 F - V
41	N	- -	2 - 6	4-11	6-12	5-21	2 - 7	3-20	3-17	1-11	6-19	7-22
	NE	- -	2 - 9	1-11	8-12	- -	1-17	1-11	- -	2-14	6-15	3-15
	E	2-11	1-11	5-11	7-11	7-21	- -	3 - 6	2 - 5	3-31	7-25	4-34
	SE	2 - 6	4 - 9	3-11	6-13	11-20	10-19	8-23	7-20	5-22	5-23	3-39
	S	4-22	4-22	2-12	6-10	4 - 6	9-12	7-14	4-26	4-15	1-17	5-28
	SW	16-26	18-17	11-14	1-30	1 - 7	3-11	5-11	7-12	2-19	- -	3-33
	W	13-18	8-14	11-12	- -	4-14	6-11	3-11	5-16	10-13	6-26	5-24
	NW	- -	2-19	4-18	7-13	8-16	10-19	10-19	12-18	12-20	7-44	7-47
	C	4	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -

E S T A C I O N: P I S C O — O C T U B R E DE 1951

CANTIDAD DE OBSERVS.	DD	SUPERF. 6 mts. F - V	300 F - V	600 F - V	900 F - V	1500 F - V	2100 F - V	2400 F - V	3000 F - V	4200 F - V	5400 F - V	6000 F - V
44	N	- -	1-22	3 - 6	7-15	4-11	2 - 9	3 - 6	- -	5-15	6-21	6-19
	NE	- -	- -	- -	4 - 8	1 - 4	2 - 6	3-13	2 - 6	4-11	2-28	4-25
	E	- -	2-19	5 - 9	4-10	5-10	4 - 9	3-14	6-16	5-12	9-29	9-36
	SE	1-19	3-10	2-19	11-14	7-11	8-14	7-10	11-21	9-27	4-25	1-33
	S	5-22	1 - 6	4-10	1-11	5-10	2-11	1 - 9	3-11	5-16	5-20	6-12
	SW	17-22	26-16	15-12	2-12	2 - 6	1-13	4-13	4-13	1-28	5-29	2-14
	W	16-15	8-13	10-10	8-12	5-12	3 - 7	4-27	- -	8-15	5-20	4-20
	NW	- -	3 - 9	5 - 9	7-14	14-19	20-19	19-18	10-30	6-26	5-29	7-31
	C	5	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -

Nota: F = Frecuencia; V = Velocidad media en kilómetros por hora

E S T A C I O N: P I S C O — NOVIEMBRE DE 1951

CANTIDAD DE OBSERVS.	DD	SUPERF. 6 mts. F - V	300 F - V	600 F - V	900 F - V	1500 F - V	2100 F - V	2400 F - V	3000 F - V	4200 F - V	5400 F - V	6000 F - V
46	N	- -	1-13	4-11	8-13	5 - 7	6-16	8 - 8	3-14	3 - 8	5-21	8-33
	NE	- -	- -	4 - 6	6 - 9	3 - 4	1 - 6	- -	1-19	4-11	1-26	3-56
	E	- -	3-12	3-14	9-10	8-11	4-11	4-11	6-11	6-14	5-18	5-13
	SE	1-11	5-10	5-11	9-11	8-15	6-16	7-14	2-22	7-14	11-24	6-29
	S	4-20	11-15	7-12	3-19	7 - 8	11-10	2-12	2-12	3-21	5-30	2-13
	SW	24-24	21-16	16-14	1-11	3-19	1-11	3-11	3-11	3 - 6	6-16	5-17
	W	4-16	4 - 9	5-13	3 - 9	2 - 5	8-13	8-14	8-16	4 - 8	4-13	5-28
	NW	5-16	1 - 4	2-10	7-14	10-16	9-15	9-19	21-19	15-25	6-15	6-26
	C	8	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -

E S T A C I O N: P I S C O — DICIEMBRE DE 1951

CANTIDAD DE OBSERVS.	DD	SUPERF. 6 mts. F - V	300 F - V	600 F - V	900 F - V	1500 F - V	2100 F - V	2400 F - V	3000 F - V	4200 F - V	5400 F - V	6000 F - V
36	N	1-28	4 - 9	7-12	8-10	5 - 6	5-10	5-14	3 - 6	3-25	5-25	5-14
	NE	1-7	1-13	1 - 7	5 - 9	1 - 6	- -	- -	- -	4-10	6-16	- -
	E	- -	4 - 9	6 - 9	6-11	7-11	3-10	2 - 5	5-13	4-13	7-17	8-17
	SE	- -	2 - 5	3-12	7-11	7-10	8-14	5-17	4 - 9	4-20	5-22	3-17
	S	7-15	5-20	2 - 7	- -	3 - 7	2-11	7-10	5 - 5	4-15	1-26	6-15
	SW	17-21	11-19	9-14	1 - 2	2 - 4	2 - 6	- -	3 - 7	5 - 6	2 - 8	2 - 6
	W	4-19	5-11	4 - 8	5 - 4	5 - 8	7-11	9 - 8	9-11	3 - 9	5-25	4-15
	NW	3-12	4 - 6	4-12	4-10	5-13	9-13	8 - 9	6-14	7 - 8	2-13	3-16
	C	3	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -

Nota: F = Frecuencia; V = Velocidad media en kilómetros por hora