TANAMAGKANOOG (COKA, Y. S. 1746.)(CAAA), T. DIEDRAKA, A. KAOD (S. 1860), A. KAOD (S. 1860) TANAMAGKANOOG (COKA, Y. S. 1746.)(CAAA), T. DIEDRAKA, A. KAOD (S. 1860), A. KAOD (S. 1860) Ka

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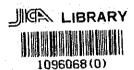
REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS

STUDY OF AGNO RIVER BASIN FLOOD CONTROL

FINAL REPORT

VOLUME VI

DATA BOOK



7.3333

DECEMBER, 1991

JAPAN INTERNATIONAL COOPERATION AGENCY

DATA BOOK

- 1. METEOHYDROLOGICAL OBSERVATION (T-1~T-173 & F-1~F-25)
- 2. GRADATION AND SPECIFIC GRAVITY TEST (1~161)
- 3 GEOLOGICAL LOGS AND TEST PIT LOGS (G-1~G-104)

国際協力事業団 23333

1. METEOHYDROLOGICAL OBSERVATION

LIST OF TABLES

No.

		Page
R	AINFALL	
1 -	HOURLY RAINFALL RECORD AT CAMP 4	T-1 - T-12
2	HOURLY RAINFALL RECORD AT SAYTAN	
- 3	HOURLY RAINFALL RECORD AT IBA, TARLAC	T-29 - T-44
4	HOURLY RAINFALL RECORD AT STO. DOMINGO	T-45 - T-57
M	ATER LEVEL	
5	HOURLY WATER LEVEL AT SINOCALAN	T-58 - T-72
6	HOURLY WATER LEVEL AT TAGAMUSING	T-73 - T-87
7	HOURLY WATER LEVEL AT ALORAGAT	T-88 - T-100
8	HOURLY WATER LEVEL AT ANGALACAN	T-101 - T-114
9	HOURLY WATER LEVEL AT CAMP 1	T-115 - T-127
10	HOURLY WATER LEVEL AT COJUANGCO	T-128 - T-137
11	HOURLY WATER LEVEL AT POPONTO LEFT DIKE	T-138 - T-144
12	HOURLY WATER LEVEL AT POPONTO RIGHT DIKE	T-145 - T-153
13	HOURLY WATER LEVEL AT INGALERA	T-154 - T-163
D	SCHARGE MEASUREMENT	- 11 m
14	DISCHARGE MEASUREMENT RECORD AT SINOCALAN	T-164
15	DISCHARGE MEASUREMENT RECORD AT TAGAMUSING	T-165
16	DISCHARGE MEASUREMENT RECORD AT ALORAGAT	T-166
17	DISCHARGE MEASUREMENT RECORD AT ANGALACAN	T-167
18	DISCHARGE MEASUREMENT RECORD AT COJUANGCO	T-168
19	DISCHARGE MEASUREMENT RECORD AT INGALERA	T-169
W	ATER SAMPLING	·
20	SELECTED STATIONS FOR WATER SAMPLING	T-170
21	RESULT OF SALINTY TEST OF AGNO RIVER	T-171
22	RESULT OF SALINTY TEST OF PANTAL-SINOCALAN RIVER	T-172
23	RESULT OF SALINTY TEST OF CAYANGA-PATALAN RIVER	T-173

LIST OF FIGURES

$N_{Q_{\lambda}}$:
		Page
1	LOCATION MAP OF NEW RAIN GAUGES AND WATER LEVEL GAUGES	F-1
2	LOCATION MAP OF NEW RAINFALL GAUGING STATIONS	F-2
3	LOCATION MAP OF NEW WATER LEVEL GAUGING STATIONS	F-3 - 5
4	RIVER CROSS-SECTION AT WATER LEVEL GAUGING STATIONS	F-6 - 9
200	recording to the control of the cont	
E	LOOD RECORD	
5	OBSERVED RAINFALL HYETOGRAPHS DURING TYPHOON OPENG	F-10
. 6	OBSERVED RAINFALL HYETOGRAPHS DURING TYPHOON BISING	F-11.
. 7	OBSERVED RAINFALL HYETOGRAPHS DURING TYPHOON HELING	F-12
8	OBSERVED RAINFALL HYETOGRAPHS DURING TYPHOON ILIANG	F-13
, 9 .	OBSERVED RAINFALL HYETOGRAPHS DURING TYPHOON LOLENG	F-14
. 10	ISOHYETAL MAP OF 4-DAY RAINFALL DURING TYPHOON OPENG	F-15
.11	ISOHYRTAL MAP OF 4-DAY RAINFALL DURING TYPHOON BISING	F-16
12	OBSERVED WATER LEVEL HYDROGRAPHS DURING TYPHOON OPENG	F-17
13	OBSERVED WATER LEVEL HYDROGRAPHS DURING TYPHOON BISING	F-18
14	OBSERVED WATER LEVEL HYDROGRAPHS DURING TYPHOON HELING	F-19
15	OBSERVED WATER LEVEL HYDROGRAPHS DURING TYPHOON ILIANG	F-20
16	OBSERVED WATER LEVEL HYDROGRAPHS DURING TYPHOON LOLENG	F-21
<u>D</u>	DISCHARGE MEASUREMENT	1.4
17	DISCHARGE RATING CURVES AT NEW GAUGING STATIONS	F-22 - 24
<u> </u>	VATER SAMPLING	
18	LOCATION MAP OF WATER SAMPLING	F-25

Table 1 HOURLY RAINFALL RECORD AT CAMP 4 (1/12)

Month: September, 1989

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	Time	3	1-2	2-3	ğ	4-S	Ą	3	7-8	6-8	9.10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-23	20-21	22.22	22-23	25-25	Total	

Table 1 HOURLY RAINFALL RECORD AT CAMP 4 (2/12)

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Table 1 HOURLY RAINFALL RECORD AT CAMP4 (3/12)

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Table 1 HOURLY RAINFALL RECORD AT CAMP 4 (4/12)

Month: December, 1989

(Unit: mm)

Table 1 HOURLY RAINFALL RECORD AT CAMP 4 (5/12)

Month: January, 1990

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Table 1 HOURLY RAINFALL RECORD AT CAMP 4 (6/12)

Month: February, 1990

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Table 1 HOURLY RAINFALL RECORD AT CAMP 4 (7/12)

Month: March, 1990

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	82	0	0	0	0	0	Ö	0	0	0	0	0	0	0	0	0	0	0	0	0.50	0	0	0	0	0	20
	13	0	0	0	0	0	0	0	0	0	Ö	0	0	ဝ	0	0	0	0	0	Φ	0	0	0	Ö	٥	0
	38	0	0	0	0	0	0	0	Ö	Ģ	0	0	0	0	0	0	0	Φ	0	0	0	0	o	0	0	C
	દ્ર	0	0	0	0	0	0	0	0	0	0	٥	0	O	٥	0	0	0	0	0	0	0	0	0	0	0
. !	*	0	0	0	0	0	Ó	0	0	0	0	0	0	0	0	0	0	0	0	0	Ó	Φ	0	0	0	0
	23	0	0	0	ö	0	Ö	0	0	0	0	0	0	0	0	o	0	0	0	0	0	0	0	0	0	0
	22	0	0	0	0	0	0	0	0	0	0	0	O	0	0	Φ	0	0	0	0	0	0	0	0	0	0
	21	٥	0	0	0	0	0	Ö	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	٥	0
	R	0	0	0	0	0	0	0	0	0	Ф	0	0	0	0	0	0	0	0	0	0	0	¢	0	0	0
į	. 61	٥.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	٥	0
	18		0	0	0	•	Ö	0	Ö	0	٥	0	0	0	0	0	0	0	0	Ö	0	0	0	0	٥	0
	17	۰	0	0	0	0	0	0	0	0	o	0	0	.	0	o	0	0	0	; O	0	¢	0	0	0	0
	16 1	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	٥	0
	15 1		0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0
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	2 13	0	0	0	0	0	0	0	0	0	Ġ	0		0	c	0	0	0	0	0	0	0	0	٥	0	0.
	12	0	0	0	0	0	0	0	0	0	Ģ	0	•	0	٥	0	0	0	0	0	0	0	0	0	0	0
	11	0		0	0	0	0	0	0	٥		0	0	0	0	0	0	0	0	0	0	.0	0	0	0	0
	91	0	0	0		0	0	.0	0	0	0	0	·.	0	0	0	0	0	0	0	0	0	0	0	٥	0
	6	0	0	0					0	:	G	0		0	0	٥	0	0	0	0	0	0	0	٥	0	0
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	ι	. 0	0	0	0	0	0	0	0	٥	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ţ		2	1-2	2.3	ж 4	5-4	2.6	?	7-8	6-8	9-10	10-11	11-12	12-13	13-14	1415	15-16	16-17	17-18	18-19	19-20	8,5	21-22	22-23	23-24	Total

Table 1 HOURLY RAINFALL RECORD AT CAMP 4 (8/12)

Month: April, 1990

Time	1	3	1-2	23	۳ 4	4	ý	6-7	7-8	8-9	9.10	10-11	11-12	12-13	13-14	14-15	15.16	16-17	17-18	18-19	19.28	20-21	21-22	22-23	23-24	Total
		0	٥	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	٥	0	•	0	0	0	0	٥
	2					0							1,						: -							0
	6					0																				0
	4									•										-	•					4.0
	8					0																				0
	و			٠		0																				0
	7					0									1											0
	∞					0			0	0	0	0			0				0.5		0	0	0	0	Φ:	1.5
	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	c	0	0	0	0	0
	2	0	0	0	0	0	٥	0	0	0	0	0	0	0	٥	0	0	0	0	0	0	0	0	0	0	٥
	=					0																	٠			0
	12	0	0	0	0	0	0	0	0	0	0	0	•	0	0	0	0.	0	0	0	0	0	0	Ö	0	0
	13	0	0	0	0	0	Ö	0	0	0	0	0	Ó	0	0	0	0	0	0	0	0	0	0	0	0	0
Day	14	o	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15	0	0	0	0	0	0	0	0	0	Ö	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	36	0		0	0	0	0	0	0	0	0	Ö	0	0	0	0	0	0	0	0	Φ,	0	Ç	0	0	٥
	17	0	0	0	Ó	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0
	18	0	0	0	0	0	0	0	0	0	0	0	Ö	0	0	0	0	0	0	0	0	0	0	0	0	0
	61	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	۵	0	0	0	0	Ō
	20	0		0	0	٥	0	0	0	0	0	0	•	0	0	0	0	0	0	0	0	0	0	0	0	ó
- 1	21 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	22 2	0	0	0	0	0	0	Ó	0	0	0	0	0	0	0	٥	0	0	ö	0	0	0	0	0	0	0
	23 24	0	0	0	0	0	0	0	o	0	0	0	0	0	0	0	0	Ö	0	0	0	0	0	0	0	0
	22	0	0	0	0	0	0	0	o,	0	0	0	0	; O	0	0	0	0	0	0	0	0	0	0	0	٥
	5 26	0	0	0	0	0	0	0	٥	0	0	0	0	Ģ	: •	0	0	0	0	0	¢	٥	0	Ó	6	0
	5 27	0	0	0	0	0	Ф	0	0	0	ó	0	Ö	0	0	0	Φ	0	0	0	0	0	0	0	0	0
	7 28	0				0									•					_						0
	&	0				0									. :					•						0.5
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Table 1 HOURLY RAINFALL RECORD AT CAMP 4 (9/12)

	28 29 30 31	0 0	0 0	0	0	0	0	0	0	0 0	0 0	0 0	0 0 0 0	0.5 0 0	64.5 0 0	7.0 0 0	13.5 0 0	0.5 1.0 1.0	1.5	0.5	0 0	0	0.5 0 0	0		371 01 02 376 0
	25 26 27	0 0	0	0	0	0	0	0	0	0	0	0	0 0 0	0	0	0	0 0.6	13.0 10.0	6.0	25	15 05	95		0		75 225 105 70
	21 22 23 24	0	0	0	0	0	0	0	0	0	0.5	0	0 0	0	0	0	0	0	0	0 65	0 25.5	0	0	0	0	105 06 206
	18 19 20 2	0 0	0	0	0	0	0	0	0	0	0	0	0 0	0	0 3.5	0 6.5	0 1.0	0	0 1:0	0 2.0	0 1 0	0	0	0	0 0	0 16 0
	15 16 17	0	٥		0	0	0	0	o	0	0	0	0 0	0	0	0	0	0	0	0	0	0 0	0	0 0	0 0	6
Day	12 13 14	0	0	0	0	0	0	0	0	0 0	0	0	0 0 0	0	0	0	0	8.5	0	0	0	0,1	0	0	0	000
	9 10 11	0 0	0	0	0	0	0	0	0	0	0	0	0 0 0	0	0	0	0	0	0	0	0	0	0 0	0	0 0 0	4
	6 7 8	0	0	0	0	0	0	0	0	0:0	0 0	0	0 0 20	0	0	0	0	0	0	0	0	0	0	0	0	V (* * *
	3 4 5		0	0	0	0	0	0	o	0	0	0	0 0	۵ ۵	0	0.5	0.50	0.50	0.35	0	0	0	0	0	0 0	
The	1 2							:		0	0	0	12 0 0	0	0	0	0	0	0	0	0	0		0	0	· · · · · · · · · · · · · · · · · · ·

Table 1 HOURLY RAINFALL RECORD AT CAMP 4 (10/12)

		0	0	ö	0	0	0	0	50	2.0	0	0	50	•	a	2.0	0	23	0.6	4.0	0.	3.5	9.0	s, S,	22	42.0
	2	3.0	10	5.0	1.0	0	0	0	0.5	25	0	0	O	0	00	7.0	50	1.0	0	0	0	0	0	0	0	17.0
	en en	0	Ó	0	0	0	0	Ö	0	0	Ó	0	0	0	0	00	0.0	0.0	0.	0	0	0	0	50	0	3.5
	4	٥	0	0	0	0	0	0	o	ó	ø	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5	0	φ	0	0	ó	٥	0	Ö	Ö	0	0	: O	0	ċ	0	0	0	0	0	0	0	•	0	0	Ö
	S	0	0	0	0	0	٥	0	0	Ö	Ö	0	0	0	0	O	0	2.0	0.5	0	1.0	7.0	0	0	0.5	5.0
	7		G	0	0	0	0	0	0	0	0	o	0	S S	0:	0	5.5	4.5	0	0.5	0.	0	0	0	0	14.5
	∞	0	ò	0	0	0	0	o	0	0	ò	0	0	o	0	с С	0	0	0	0	0	0	0	0	0	0
	9	0	0	0	0	0	0	ö	0	Ö	Ö	0	0	0	Q	0	O	0	0	0	0	0	ပ	0	٥	0
	10 1	0	0	0	0	0	ó	0	0	0	٥	0	0	0	0	0	φ	0	0	4.0	0	0	ó	0	0	4.0
	11 1	0	ó	0	0	0	0	0	0	0	0	٥	0	0	0	0	0	6.5	0	0	0	ø	٥	0	0	6.5
	12 1														÷		Ö			÷.						4.5
	13	0	0	0	0	0	0	0	0	0	o	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Ģ
Day	14 1															-	0			-						0.5
	15 10																7.0			744					- 1	5.99
	16 17																0									4.5
	7 18																			2						5.0
	19																0								-	12
	8																0									0
	21																0									6.5 34.5
	22																0.5 25.5			4.					Ì	5 638
	23														- 1		S									8 123
	ĸ																5.0									3 23.5
	23																0									28.5
	8														:		6.5								1	12
	22																1						•	•	``	186.5
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	82	0	Ö	0	٥	0	0	0.5	9	φ	o	0	0	٥	0	0	Ö	0	0	o	0	0	0	0	0	21
1	8				Ö														_							1.5

Table 1 HOURLY RAINFALL RECORD AT CAMP 4 (11/12)

		18 19 20 21 22 23 24 25 26 27 28 29 30 31																			NFALL DATA GATHERED DUE TO THE EFFI	ON JULY 16, 1990. ROAD GOING TO CAMP 4 WAS SERIOUSLY DAMAGED.					
		17	_		_			-1		_	_	_	_	_			_	_	_								
		35	0	0	0	.	0		•	0	0	_	_	٠			_	_	_		· ·						0
		15	0	0	٥	0	0	•	0	0	0	¢	۰	0	•	•	•	•	٥	•	•	0	•	0		٥	0
	Day	14	0	0	0	0	0	0	0	0	0	0	٥	0	0	0	0	0	0	0	0	0	0	0	0	٥	0
		13	0	0	0	0	0	0	0	0	0	0	0	٥	Ö	٥	0	0	0	0	0	Ö	0	•	0	0	0
		12	0	0	Ò	0	0	0	0	0	0	0	0	0	0.5	0	Ö	\$	Φ.	0	0	50	3,5	4	0	0	6
		::	0	0	0	0	0	0	0	0	0	¢	0	٥	0	Φ	0	0	٥	23.5	0	0	0	0	0	0	23.5
		10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Φ.	φ.	0	o
		6	0	0	Ö	0.5	0	0	0	0.5	0	7.0	0	0	0	0	0	10	0	0	0.5	7	0	5.0	4	5.0	13.5
. 1		∞	0	0	0	0	0	0	0	0	0	Ş	0	•	0	0	0	0	0	0	(1	Ņ	0.5	7	0	0	7
		~	0	0	0	0.5	0	0	0	0	0	0	0	0	0	0	0	0	N	5.5	1.0	22	0	Ö	٥	c	11.5
		v	0	5.0	0	0	0	Ö	50	0	0.5	0	0	0	0	0	0	0	7	0	3.5	6.5	ง	0	0	0	91
		ν.	0	0	G	0	0	0	0	0	0,5	0	0	Ġ	0	•	0	0	0	0	3.5	2.5	1.5	0	0	0	\$
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		7					1							0					÷								32.5
		-																									સ
	Time.	T THE	9	1-2	23	<u>4</u>	4.5	5.6	69	7-8	8-9	200	55	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Total

Table 1 HOURLY RAINFALL RECORD AT CAMP 4 (12/12)

1.1													Day	 I															
mic	2	6	4	S	9	7	80	6	10	11	12	13	41	15	16 17	l	18	61	8	77	22	23	22	25 2	2 92	27 28	82	8	31
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4						-					: '				:					. •									
ቴ ኢ የ									٠							•													
7.5			**				THERE	Y 16.	RAINI 1990. R	THERE IS NO KAINFALL DATA GATHERED DUE TO THE EFFECT OF EARTHQUAKE ON JULY 16, 1990, ROAD GOING TO CAMP 4 WAS SERIOUSLY DAMAGED	ATA G	S CAN	E0 DX	E TO T	HE EFT	FECT O	FEAR	THQU	K.E.										
8 4 6 7 6 7						٠			•														•					-	
. 15. 12. 13.										* .																			
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នុះ		•										÷																	
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Table 2 HOURLY RAINFALL RECORD AT SAYTAN (1/16)

		30	0	0	0	0	0	0	0	0	0	O	0	0	0	O	0	0	0	0	0	0	0	Ф	0	0	Φ
			0	0	0	0	0	0	0	0	O	0	o	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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		28																					•				5 39.5
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		я	0	0	O	0	•	Ö	٥	٥	0	¢	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		×	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	٥	0	Φ	0	0	0	0	Ö	0	0
		23	0	0	0	0	0	Φ	0	o	0	0	0	0	0	0	0	0	ó	0	0	0	٥	0	0	0	0
		22	0	ó	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.0	15	0	0	0	0	0	2.5
		21	0	0	0	0	0	0	0	0	0	٥	0	0	51	5.5	0.1	0	0	0	0	0	0	0	0	0	38.0
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		2,		•	'	•	1	•	•	•																	
		19	•	•	•	•	٠		•	•	1	٠	٠	•	•		•	•	.•	•	•	•	. •	•	•	٠	10
		18	•	1	١	ı	١	,	ı	•	•	ì			٠	٠	•	•		•	Ü	•	•	•	ŕ	٠	30.5
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		й	0	0	0	0	0	0	0	0	0	0	0	0	5.5	Ö	0	0	0	0	0	٥	٥	0	S	٥'	0.9
	Day	14	0	0	0	0	0	0	0.7	3.5	0	0	0	0	4.0	0.5	0	0:	1.0	7.0	4 د	1.0	Ö	0	0	0	34.5
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			ر د	λ.	'n	·	0:	9	٠ رو	•	•	·	•	•				:									
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		= 1					5 25		-									_							0	0	0 37.5
		01					415																				5 297.0
		6	0	0	1.0	10.5	7.0	800	40.0	25	2	1.0	6.6	96	20	5.5	7.0	17.5	5.5	e0	11.5	20.0	42.0	20.0	7,	38.	301.5
		œ	16.0		٥	٥	0	Ö	0	0	0	0	3.5	Ω	0	0	0	0	0	S	0	0	0	0	0	٥	23.0
		7	0	0	0	ò	0	0	0	0	0	0	٥	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		v	0	0	0	0	0	0	0	٥	0	0	0	0	0	0	0	0	0	0	15.0	0	0	0	0	0	15.0
		_.	0	Ö	0	0	0	0	0	0	0	0	ö	Ö	0	O	3	0	0	20	11.5	0	0	20	0	0	16.0
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•		- 1				٠																-					•

Table 2 HOURLY RAINFALL RECORD AT SAYTAN (2/16)

13 14 15 16 17 18 19 20 21 22 23 24	9 10 111 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31											2															1 1
		3 4	4	1	5	7	œ	Ξ 6		12	13	41	15	6 17	18	19	ន	71	22		ผ	83	27				
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Table 2 HOURLY RAINFALL RECORD AT SAYTAN (3/16)

Month: NOVEMBER, 1989

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	23	0	0	ల	0	0	0	٥	0	0	5.5	23.5	16.0	5.5	10.0	5.0	20	1.0	1.0	0	0	50	1.0	0	0	75.0
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	, 02	۰	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
	19 2	0	0	0	0	0	0	ت	0	0	0	0	0	0	0	0	0	0	0	0	0	0	c	0	0	0.0
	18 1	0	0	0	0	0	0	٥	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
	1 71	0	0	0	O	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Ο.	0.0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
	5 16	0	0	0	0	0	0	O	0	0	0	0	0	0	0	0	0	0	0	0	٥	0	0	0	0	0.0
Day	51	0	0	0	0	0	0	0	0	0	0	0	¢	0	0	0		0	0	0	0	0	0	0	o	0,0
1	14	0	0	0	0	0	0	0	0	0	0	Ö	0	0	0	0	o	0	0	•	0	0	0	0	0	0.0
	5	٥	0	•		•	0	0	0	0	0	0	ċ	0	0	0	0	0	0	ِ چ	o	0	0	0	0	0.0
	12	0	0	0	0	0	0	٥	0	0	0	0	0	•	0	0	0	0	0	0	٥	0	0	0	0	0.0
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		.0	0	0		0	0	0	٥	0	0	0	0	0	٥	0	0		٥	•	۵		0	0	0	0.0
1		6.1	1.2	2-3	4	4-5	\$	3	7-8	0. 0.	910	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	84	20-21	21-22	22-23	23-24	Total

Table 2 HOURLY RAINFALL RECORD AT SAYTAN (4/16)

Month: DECEMBER, 1989

Time		2	1-2	53	¥,	3	γ	6	7-8	8-6	25	3	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	84	20-21	21-22	22-23	23-24	Total
	-	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	٥	0	0	0.0
	7	0	0	•	0	0	Ö	0	Ö	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
atr	. 60												17		•			0								9
	4	0	٥	0	0	0	O.	0	Ģ	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	00
	S	.0	0	0	0	0	0	•	0	0	Φ	0	0	0	0	Ó	0	©	0	0	0	•	0	0	0	00
	9																	0								0.0
	7									14			٠					٥								0.0
	œ	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
	6	Ö	٥	0	0	0	0	Ó,	O	0	0	0	0	0	Ö	0	0	0	0	0	0	0	0	Ö	0	0.0
	0.	0	0	0	0	0	0	0	¢	0	0	0	0	0	0	0	0	0	Ö	0	0	0	0	0	0	0.0
	=	0	0	0	0	0	Ċ	0	0	0	0	0	0	0	0	0	0	0	0	0	¢	Ö	0	٥	0	0.0
	. 21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	ο΄	0	0	•	0	0	0	0.0
	13	0	0	0	0	0	0	0	0	0	٥	0	0	0	o	0	0	0	0	0	0	0	0	0	٥	8
Day	4	0	0	0	0	0	0	0	0	0	0	Ö	0	0	0	0	0	0	0	0	0	0	Ö	0	0	0.0
	15	0	0	0	0	0	0	0	0	0	0	٥	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
	16	0	0	0	0	0	0	0	0	0	0	0	0	Ö	0	0	0	¢	0	0	0	0	0	0	0	0.0
	17	٥	٥	0	0	0	٥	0	0	٥	0	0	0	0	0	0	0	0	0	0	o	0	0	0	٥	0.0
	18 1	٥	0	0	0	0	0	o'	0	0	0	0	0	0	0	0	٥	0	0	0	O,	Θ,	0	0	0	0.0
	19 20	0	0	0	0		0	0	0	0	0	0	•	0	0	0	Ó	0	ö	0	0	٥	0	0	٥	0.0
	0 21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	٥	٥	0	0	0	0	0	0	0	0.0
	1 22	0	0	0	0		0	0	0	0	0	٥	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
	23		0	0	0	0	0	0	0	0	0	٥	0	0	0	0	0	0	0	0	0	0	0	•	٥	0.0
	22	.00	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	٥	0	0	0	0	0	0,0
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	83																	- -								0.0
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	33	0																0					0	°	0	0.0
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Table 2 HOURLY RAINFALL RECORD AT SAYTAN (5/16)

Month: JANUARY, 1990

	Time	1	0-1	1-2	2-3	9 4	\$	Ŷ,	6-7	7-8	6-8	920	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-23	Total
			٥	0	٥.	0	0	ø	0	0	0	0	0	0	•	0	0	0	0	0	0	0	0	0	0	0	0.0
		7	2	0	0	0	0	0	Ο,	٥	0	•	0	0	0	0	0	0	0	0	0	0	0	0	0	0	00
		ю	0	0	0	0	Ģ	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
		4	0	0	0	Ċ	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
		5.	0	0	0	Ģ	0	0	0	0	0	٥	0	0	0	0	0	0	¢	0	0	0	0	0	0	0	00
		9	0	0	0	0	Ģ	Θ.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
		7	0	0	0	0	0	0	0	0	.0	0	0	0	0	0	0	0	0	0	0	0	Ф	0	0	0	0.0
		60	0	0	0	0	O,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
		9.	0	0	0	0	0	Ģ	oʻ.	Ö	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0.0
		10. 1	٥	0	¢	0	0	0	0	0	0	0		:	0	0	ö	0	φ.	0	0	0	0	0	0	0	0.0
		11 1;	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
		12 13	0	0	0	0	o	0	0		0	0	0	0	0	0	0	٥	0	0	0	0		0	0	0	99
	н	3 14	0	0	0	0	0	0	c	0	0	0	0	0	0	0	0	0	0	ó	0	0	0	0	0	0	0.0
	Day	15	٥	0		0	0	0	0	0	0	0	0	0	0	Ģ	0	0	٥	0	0	0	0	0	0	0	0.0
		5 16	0	0	0	0		0	0		0	0	0	0	0	0		0	0	O		0	0	0	0	0	0.0
		71							0																	0	0.0
		18	0						0													0	0	۔ ٥	·	0	0.0 0.0
		19	0	ت ن	<u>ں</u>	. 6		J C	0.0										0			<i>-</i>	0	<i>-</i>		ت. د	0.0
		20	0	0	۰	0	٥	•	0																0	o :	00
		73	0						0										0						0	0	0.0
		22	•						0			0	0	0	0	0	0	0	0	0	0	0	0	0	0	•	0.0
		23	0	0	0	0	0	0	Ģ	0	0	0	0	0	0	0	Ö	0	0	0	0	0	0	0	0	0	0.0
		*	٥	0	0	0	0	0	0	0	٥	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
		દ્ર	٥	0	٥	۵	0	0	Ó	0	0	a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
		36	٥	0	0	0	0	0	0	0	٥	Ö	0	0	0	0	0	0	0	٥	0	0	0	0	0	0	0.0
,		, z	٥	0	O,	0	0	0	0	0	0	0	0	0	0	0	٥	0	0	0	0	0	0	0	0	Φ	0.0
		82	۰	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
		82	٥	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Ö	0	0	0,0
		30 3	0	0	Ó	0	٥	0	0	0	0	0	٥	0	0	0	0	0	0	0	0	0	0	0	0	٥	0.0
		31	0	0	0	٥	0	0	0	0	0	0	ø	0	٥	0	0	0	0	Ö	0	0	0	0	0	0	00

Table 2 HOURLY RAINFALL RECORD AT SAYTAN (6/16)

Month: FEBRUARY, 1990

Time													Ω	Day													
	i-i	2	60	4	٧٦	9	7	80	φ.	10 1	11 12	2 13	14	15	16	17	18	61	20	21 2	22 23	22	25	×	23	প্ল	
2	0	0	0	0	0	0	o	0	0	0	0	ö	٥						٥	0	0	0	0				2
17	0	Ö	O	0	0	0	0	0	0	0	0	0	0						0	Ö	0	0	0				
23	0	0	0	0	0	0	o	0	0	0	0	0	0						0	0	0	0	0				
Ä	0	0	0	0	0	0	0	Ö	0	0	0	0	0						Ö	0	0	0					
24	0	0	0	Ó	0	Ó	.0	0	٥	0	0	0	0						0	0	0	0	0				
X	0	0	0	0	0	0	0	0	0	o	0	0	0						ö	0	0	0	0				
3	<u>ہ</u> د	0	0	0	0	0	0	0	٥	Q	Ö	Ó	0						0	0	0	0	0				
7-8	0	0	0	0	ó	0	0	٥	0	Ö	0	ó	0						0	0	o	0	0				
6-8	0	0	0	0	0	0	0	0	0	0	0	0							0	0	0	Ö	Ö				
9-10	0	0	0	0	0	0	Ö	٥	0	0	0	0	0						0	0	0	ల	Ó				
10-11	0	0	0	0	0	Ó	0	0	0	0	0	0	0						0	0	0	0	0	1	٠		
11-12	0	0	0	0	0	0	0	0	0	0	0	0	0						9	0	0	9	0				
12-13	0	•	0	0	0	0	0	0	0	0	0	0	٥		ď,			:	0	0	0		0				
13-14	0	0	0	0	0	Ö	0	0	0	0	0	0							0	0	0	0	0				
14-15	0	0	0	0	0	0	0	0	0	•	÷	Ö	Ó		1	•	:	:	0	0	0		0				
15-16	0	٥	0	0	0	Ö	0	0	0	0	0	0	0						o'	0	0	0	0				
16-17	Ç.	٥	0	0	0	Ö	0	0	9	0	0	0	0	•	0	0	0	0	0	0	0	0	0	0		0	
17-18	0	0	0	0	0	0	0	0	0	0	0	0	0		·				<u>ه</u>	0	0	0	0				
18-19	0	0	0	0	0	0	0	0	0	0	0	0	0						0	0	0	Ö	0				
19-20	0	O	0	0	O	0	0	0	0	0	0	0	0						٥	0	0	0	C				
20-21	•	٥	0	0	0	0	0	0	0	0	0	0	0						Ċ	0	0	0					
21-22	0	0	0	0	0	Ö	0	0	0	0	0	0	0						0	0	0	0	0				
27-22	0	٥	0	0	0	0	0	0	0	0	0	0	0						٥	0	0	0	¢				
X-22	0	٥	0	٥	<u>ه</u>	0	0	0	0	0	٥.	0	٥					-	0	0	0	Ö.	٥.				
Total	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 0.0	0.0	ı

Table 2 HOURLY RAINFALL RECORD AT SAYTAN (7/16)

Day 14 15 16 17 18 19 20 21 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
2 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 1 1
3 4 5 6 7 8 9 10 11 12 13 14 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
2
000000000000000000000000000000000000000
10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

Table 2 HOURLY RAINFALL RECORD AT SAYTAN (8/16)

Month: APRIL, 1990

j.	THE COLUMN	2	1-2	23	4	4·S	%	G	7-8	6.8	9.10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	25.22	Total
	1	0	0	0	0	0	Φ	0	0	0		0	0	•	0	0	0	0	0	0	0	0	٥	0	0	0.0
::	7	0	O	0	0	0	0	0	0	0	0	Ö	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
	т	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	٥	0	٥	8
	4			٠								0		:					٠.				٠			80
	νı	0	0	0	0	0	0	0	0	٥	0		•	0	0	0	0	0	0	0	0	0	0	0	0	8
	vo											0									٠					0.0
	7	0	0	0		0	0	0	0	٥	0	0				٠	0									0.0
	60	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	٥	0	0	50	•	•	0	0	2.0
	٥	0	0	0	0	٥	0	o	٥	0	0	0	0	0	0	0	0	0	٥	0	0	9	0	Ö	•	0.0
	2	0	0	0	0	0	0	oʻ	0	0	0	٥	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
	11	0	0	0	0	0	٥	0	0	٥	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0.0
	21	0	0	0	0	0	0	0	0	0	0	0	0	0	o	0	0	Ó	0	0	0	0	0	0	0	0.0
	13	٥	0	0	0	0	0	0	0	0	0	0	0	0	0	0	o	0	0	0	Ó	0	Ö	0	0	0.0
Day	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	٥	0	0	0	0	0	0	0.0
	15	0	0	0	0	0	0	0	0	0	0	٥	0	0	0	0	0	0	0	0	0	0	0	0	0	0'0
	16	0	0	0	0	٥	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
	17 1	0	0	0	0	0	0	0	0	٥	.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
	18. 1	0	0	0	.0	0	0	0	0	0	0	0	0	0	0		0	0	•	•	0	0	0	0	0	0.0
	19 20	0	0	0	0	Ó	0	0	0	.0		0	0	0	0	0	0	0	0	0	0	•	0	0	0	0.0
	0 21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	٥	0	0	0	0	0	0	0	٥	0.0
	1 22	o	0	٥	ల	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
	23	0										0													oʻ.	0.0
	24											0				÷									0	0.0
	ผ											0									0	0	0		0	0.0
	×							0				0									0	0	0		٥	0.0
	72											0														0.0
	28											0												0	0	0.0
	53											•												0	0	0.0 0.0
	30											0					0									0.0

Table 2 HOURLY RAINFALL RECORD AT SAYTAN (9/16)

Month: MAY, 1990

		2 3 4	·	- 1					0																		ao ao
		χ,							0																		0.0 0.0
		و	0	0	°	0	0		0																		0.0
		7	0	ల	0	0	0	0	0	0	0	0	0	0	0	0	0	0	٥	0	0	0	0	0	0	0	0.0
		8				•			0		٠					٠.											0.0
	'	O,	0	0	· 0	0	٠ 0	0	0	0	· 0	0									٠		0				0.0 0.0
		11	0	0	0	?	0	0	0 (0	0	0	0						_							_	0.9
		13	0	0	0	0	0	0	٥	0	0	0	0	0	0	0	0	0	0.	0	0	0	0	0	0	0	1.0
		13	٥	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
	Day	14	0	0	0	0	0	0	o	0	0	0	0	0	0	0	10.0	Ö	0	Ó	0	0	0	0	0	0	10.0
		1.5	٥	0	0	¢	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	۵	0	0.0
		16 I	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	٥	0.0
		17 18							0																		0.0
		91 19							0																		0.0
		8							0												_			-			0.0 1.5
		77							0															٠.			2.0
		22							0																		0.0
		æ	0	0	0	0	0	0	0	0	0	0	Ö	0	<u>۵</u>	0	0	0	0	25	5.5	1.0	0	0.5	0	0	20.5
		\$	0	0	0	0	0	0	0	0	0	0	0	0	0	o	0	3.5	50	1.0	0.5	0	0.5	0	0	0	7.5
		প্র	0	0	0	0	0	Φ	0	0	Ö	0	0	0	6	0	o	0	20	0.5	7.0	1.0	1.0	0.5	0	0	5.5
		R	0	0	0	0	0	0	0	0	۵	0	0	0	G	0	0	11.0	32.0	2,	20	5	0	0	0	0	48.0
		LZ.	0	0	٥	0	0	0	0	0	0	0	0	0	٥	0	20	5	0.7	50	6.0	٠., ک	0	0.5	G	0	33.0
		28	0	0	O	ò	0	0	0	0	٥	0	٥	0	c	10.5	19.0	0:1	0.5	5,0	0	0	0	0	0	٥	31.5
	•	33	0	0	0	0	0	0	0	0	0	0	0	0	٥	0	0.6	0.5	0	0	0	0	0	Φ	0	0	9.5
		30 31							0																	-	2.0 7
ı			0	0	0	0	0	0	٥	0	۵	0	0	0	0	0	0	o.	,J	o,	0	פי	0	9	0	٥	7.0

Table 2 HOURLY RAINFALL RECORD AT SAYTAN (10/16)

Month: JUNE, 1990

1	8	¢	0	0	0	0	0	0	0	Ö	0	0	0	0	0	0	0	0	0	0	0	0	9	0	Φ.	8
	29 3	C	0	0	0	0	0	0	0	0	0	0	0	0		0	ø	0	0	0	0	0	0	O	0	00
	7 82	20	5		50	0	50	0	0	0	1.0	0	0.1	3.5	20	1.0	¢	0	0	1.0	0	0	6.5	0	0	14.5
	27 2							٥								;		·								20.0
	92	į						0	,													o	٥	Φ	0	75 1
	za ,	0	0	O	0	0	0	0	0	Ģ	0	0	0	0	0	0	0	0	0	0	50	4.0	6.5	5.	0.5	13.0
	8	0	0	0	0.5	3.0	0.5	0	0	0	0.5	0	25	52	20	0	3.0	3.5	2	0	0	0	Ö	0	0	20.0
	23	0.8	5.0	9	0		•	0.1	1.0	20	0.5	0	0	7.5	5.5	7.5	5.6	3.5	ĭ	0.1	10	0:	50	0	0	20.0
	22	24.5	0.44	31.0	45.0	95.0	73.0	63.0	10.5	2.5	14.0	21.5	38.5	12.0	8 5	80 1	0.61	207	4.0	21.0	14.0	17.0	13.0	11.0	7.5	627.0
	21	0	0	0	0	0	5.0	0	5	1.5	0	0	20	0	50	3.5	20	13.0	18.5	35.5	53.0	42.5	0.99	55.0	8.5	303.0
	8	0	0	c	0	0	0	0	0	0	0	0	0	0	0	25	2,0	10.0	5	0	0	0.5	G	0	0	15.5
	. 61	0	0	0	0	0	0	0	0	0	: C	0	0	0	0	0	5.5	0	0.5	0	0	0	0	0	0	8.0
	8	0	0	0	0	0	0	Ģ	ö	0	•	0	0	0	0	o	0	0	0	6	0	0	2.5	5.5	0	5.0
	11	0	0	0	0	0	0	0	O	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	00
	91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	٥	٥	0	0	٥	0	0	0:0
	ž.	0	0	0	50	0	0.5	3.5	40.5	0.6	10	0	0	0	•	0.5	0	0	0	0	0.5	0	0	0	0	56.0
Day	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0.5	0	0	0	0,	1.5
	13	0	, O	0	0	0	0	0	·:	0	0	0	0	0	0	0	0	0.5	0	0	Ö	0	0:1	0.5	0	2.0
	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	وه رک	20	1.5	0	0,	12.0
	==	0	0	٥	0	o	0	0	0	0	0	0	0	0	c	0	0	0	0	0	0	0	0	0	Ф	0.0
	9	0	0	0	0	0	0	0	0	0	0	0	٥	0	0	0	٥	0	0	0	0.5	0	2.5	1.5	٥	4.5
	. 6	0	0	0	0	0	•		0	0	0	0	0	0	0	0	0	0	0	0	0	0	Ö	0	0	0.0
	øs.	0	0	0	0	0	: O	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	o ;	00
	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	O	0	0	0	50	0	0	0	20
	٥	0	0	۵	0	0	0	0	0	0	0	0	0	0	0	0	8.0	15	5.0	0	0	0	0	0	0	11.0
	n	0	0	٥	0	0	0	0	•	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	8
	4	0	0	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Ó,	50
	т	0	0	۵	0	0	0	0	0	ó	0	0	0	0	0	0	0	4.0	3.0	20	0	0	0	0	0	27
	2	1.0	0.5	٥	0	0	0	0	0	0	0	0	0	0	5	20	٥	٥	0	0	٥	¢	٥	0	0	5.0
	1	0	0	0	0	0	0	Ö	0	0	0	0	0	0	2.5	25	50	7.5	13.0	7.0	2.0	9.5	15.0	5	2.0	0.17
i i	2000	9	1-2	2.3	4	4. 2.	\$6	6.7	7-8	8-9	۲ 10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	25.22	Total

Table 2 HOURLY RAINFALL RECORD AT SAYTAN (11/16)

Month: JULY, 1990

					-				-														-								
		. :										1.	:	Day									٠.							;	
	-	2	3	4	S	9	7	∞	6	07	=	12	13	47	15	91	17	18	16	92	21	22	23	22	22	92	77	83	29	30	31
2	0	0	0	٥	0						,					٠,				1.	,	,		•	٥	٥	Ģ	0		Ö	0
1-2	0	0	0	0	0		,			•		•		•	•	,	•	•		•	•		,		ø	0	Ş	0		0	0
23	ø	0	0	·0	0		•				•	•	ì		*				•	•					0	0	0.5	0		0	Ó
Ä	o	0	0	0	0		•	•		•			•	•	•	•	•	•	•	•	'n	•	,		0.5	0	0.5	0		٥	Φ
2.4	0	C	0		0	:	•			,	٠	•	,	•	•	•				•	٠,			,	0	0	0.5	ø		ø,	Š
9	ò	0	0		0				•	•		:	•		•	•			•	•	•			,	0	0	2.0	Ö		0	50
6-7	0	0	0		0				•	•	•	•	•	,		•						,	٠	•	0	0	2.0	5.0	0	0	O
7-8	0		0	Ģ	0		•	•	,		•				•	.•	•	,	•	•				•	0.5	0	0	0.1		0	0
8-9	0		0	0	0			•	•						•	,	•	•	•	•		•	•		13.0	0	0	0		0	0
9.0	0		0	0	٥				•	•	•	•	•		,	•	•	,	•	•				•	5.5	0	0	0		0	O
10-11	6		0	0	0			,	,		•	•				•	•	•			٠.				50	0	0	Ó		0	0
11-12	0		0	0	0	٠,	ı		٠,	٠,	; .	1		٠,		•	:	. •		•		,	ι	0	0	14.5	0	3.5		0	50
12-13	0		0	0	Ö	,	٠,			•	٠,	,		٠,	. ;	٠.	i.				٠.			٥	5.	5.5	0	1.5		0	Ö
13-14	0		15	0	1.0			•		•		•			•		•		•		•		,	0	0	8.0	0	0.5		0	1.0
14.15	0		15	0	0				•	•		1				١,	•				1		,	0	ŝ	6.0	0	4.0		0	3.0
15-16	13.5		0.1	0	0							•			٠				i					0	0	3.0	0	18.0		0,	0
16-17	4.0		1.0	0	35	•	1	٠				•					,	•					,	0.5	0	4.0	5.6	3.0		4.0	0
17-18	0.5		0	0	17.5					•		٠		,			,				•	,	,	0	0	4.0	15.5	2.0		0	0
18-19	0		0	0	5.5	,				•	•	•	•		•	``	1	•	i	•		•		0	0	4.0	5	20		3.0	5.0
19-20	0		0.5	0						•	,	í					,		,					0.5	50	1.0	0	7.0		5.0	0
20-21	11.5		0	0:						•	,	١.			•	1								J	20	9	0:	Ş		0	0
21-22	0.1		0	0			1					•			•	ı			,		,	,		4.0	0	0	50	25		0	0
2-22	0.5	a	0	0.5							•	٠		٠	•	٠	•	•		,			,	2	0	0	0.5	0		0	٥
8	0	0	0	0		•			•	.•	1	,			•	•			1		•		ı	25	50	0	0	0		0	0
	0.0	[3 3	1	2 9															*************		,		10.5	×	615	2.2	78.6	100	2002	115
Total	31.0	3	ų,	C.	28.7					٠					÷									2	1	?					1

Table 2 HOURLY RAINFAIL RECORD AT SAYTAN (12/16)

		31	.0	45	1.5	O	0	20	9	5.0	0	0	92	9	0	0	50	4	0	0	50	0	5,5	7.5	2	5.0	43.5
		ន	20	50	50	0	50	15	9	٥	٥	Φ	ø	0	0	0	6.5	0	0	0	0	0	0	0	20	٥	59
		83	0	0	0	1.0	Φ	0	0	0	0	9	ø	25	0.5	0	0	0.5	0	0	0	20	0.5	Ó	25	8 S	19.0
1		83	O	0	0	0	0	0	0	0.5	0:1	o	0	0	0	0.5	0	0	0	¢	0	97	0	50	50	0	5.0
		12	5.0	37.0	34.0	7.5	1.0	φ	Ó	Φ	20	0	65	01	3.5	20	50	0.4	0.5	0	Φ	0	0	0	0	0	101.5
		93	0	0	0	.0	0	٥	0	3.5	3.0	S	S	18.5	7.5	25.5	13.5	4.0	6.0	5.5	17.0	18.5	26.0	‰ √)	46.0	2.0	210
į		23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.0	1.0
		z	0.5	0	0	0	ø	50	0.5	0	0	0	0	0	0	1.0	0	0	0	0	4.0	. 50	0.5	0	4.5	1.5	13.5
		ឌ	0	0.5	0,4	20	0	0	0	3.0	25	24.5	1	o	1.5	0.5	Q	0.9	1.5	2	1.5	4.0	19.5	14.0	2,5	3.0	103
		23	0.5	0	0	0	٥	٥	0	50	0	0	2.0	50	0	0	0	50	3	٥	0	0	0	٥	0	1.0	7.5
		21	0	0	0	0	0	0	<u>1</u> 5	0	0	0	0	5.0	0	٥	0	0	0	0	0:	0	0	0	0	0	8.5
		82	0	0	2	17.5	11.0	3.0	0	3.0	20	0	50	٥ د	0	0	0	0	0	0	0	0	0	10	0	0	41
		19	O	္က	20	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	Ö	0	0	0	0	oʻ	0	5.5
		82	20	0	S	0	0	12.0	3	0	S	0	1.5	50	0	0.1	11.5	15.0	6.5	5.0	1.0	1.0	0	20	0	0	60.0
		17						0																		0	5.5
		92	0	0	0	0	0	0	0	¢	0	0	0	0	0	0	0	0	0	0	0	12.0	25.0	4.0	0	0	41.0
		15	0	0	0	ဝ	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0.5	0	¢	4.0
	Day	7.	0	0	0	٥	0	0	0	0	ပ	0	0	0	0	၁	0	0	0	0	1.0	2	0	0	0	0	3.5
		13	0	0	0	ö	0	0	٥	0	0	0	0	0	0	0	0	0	o	٥	0	0	0	0	0	0	0
		12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.5	9,0	0	0.9	0	0	0	0	13.5
		==	0	0	0	٥	0	0	0	0	0	Ö	0.5	0	0	0	0	0	0	Ö	0	0	S		0	0	25
		10	0	0	0	0	0	0	0	0	0	0	0	0	o'	0	0	0	0	0	Ö	0	15	0	٥	0	2.5
		0.	.0	0.5	0	0	0	0	0	0	0	0	0	Ö	0	0	0	0	Ó	Ģ	0	0	٥	0	٥	0	0.5
		90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	٥	0	0	0	٥	0	0	0	0
		7	0	0	0.5	0	٥	0	0	0	0	0	0	0	0	0	5.5	0	7.0	0	0	0	0	0.	6.0	0.1	21.0
		. ود	0	0	0	0	0	0	0	0	0	ó	0	0	0	0	0	Ö	0	0	0	0	0	0	٥	0	0
		κı	0	0	•	0	Φ	0	Ö	0	0	0	0	Ģ	0	٥	0	0	0	0	Þ	0.5	0.5	20	0	ó	1.5
		4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	o ,	0
		m	0.5	0	20	0.5	0	0	0	0	0	0	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	25
		7	٥	0	o	O	0	0	0	0	0	7.5	0	٥	5	0	20	0	0	0	0	0	0	0	0	0.	4.0
		-	0	0	0	0	0	Ģ	0	0	0	ó	0	0	Φ.	50	0.5	0	0	1.5	0	0	0	0	0	6	XI.
	98		ا 1	7	23	4	3	Ϋ́	?	,7 69	8-9	9.19 01.7	10-11	11-12	12-13	13-34	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22	23-24 23-24	Iotal
,	•	1	i						٠				•					Ċ					·	Ī			

Table 2 HOURLY RAINFALL RECORD AT SAYTAN (13/16)

	8							,			٠		•	٠	•	ı	•				•					
	83			ï			,		ı	,			,		,i	•	٠			,	1	,	1	•		
	83	,		·							ı			٠						,	,	,	ı		•	
	12		. •		•	•		1						,								,	,	•		
'	82	,		,	•		,					ı		•		•			1						,	
	25		ì		,	,	,		ı	•					,			ı								
	22	0	0	0	0	0	0	0	0	0	0	0					,	t				,		•	ı	
	ន	0	0	Ó	Ö	0	0	0	Ó	0	Ö	0	0	0	0	0	0	0	0	0.5	0	0	0	0	0	5.0
	22	Ö	ပ	0	Ö	0	0	0	0	0	0	٥	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	77	0	0	0	0	0	0	0	0	0	Ó	0	0	0	0	0	0	0	0	0	0	0	0	Ö	0	٥
	8	0	0	0	ó	Ö	0	0	0	0	0	0	0	0	٥	0	٥	0	0	0	0	0	0	0	0	0
	61	0	0	Ö	0	0	0	Ö	0	0	0	0	0	0	0	55	1.5	0	0	2	55	0.7	0	0	٥	8.5
	<u>81</u>	0	0	0	0	0	0	0	0	ó	0	0	0	0	0	0	0	0	0	Ö	0	0	0	0	٥	o
	17	0		ö	Ö	0	0	Ö	0	0	0	0	0	0	0	0	0	0	0	0	Ö	0	0	1.5	2.0	3.5
	16	0	0	Ö	0	0	0	0	0	0	0	0	0	0	0	٥	0	0	0	0	0	0	0	0	O	0
	15 1	2	0:	0.	5.5	2.0	0	0.5	7	25	25	5.9	0	0	0	٥	0	0.5	0	0	0	0	0	0	o',	26.0
Day	14 1	0	0	0	0	0	0	0	0	0	9	Ö	0	0	0	0.	50	0	0.6	0	50	5.0	5.	7	2.0	46.5 2
	13 1							0																_	_	0.5
		0	0	0	0	0	0	Ö	0	0	Ö	0	Ģ	0		0	0	o	0	O	0	0	0	0	0	٥
	12	0	Ö	0	•	0	0	0	0	0	0	0	0		0	0	0	0	0	0	ö	0	0	0	0	0
								0																		0.5
	10						_	0																		7.0
	6												-													5 7
	∞																									Xi
	7							5.55																		145
	v				1			1.0					•		,											49.5
	5	_	·_	_		_		0																		zi
	4	0	0	0	0	•		•																		9
	т	0						•								.:		٠.								25.5
	7	0			. '			0				٠.														9.5
	1	4.0	3.0	3.0	11.0	6.5	7.0	5.5	6.0	5.5	5.6	25	23.5	25	0.	9	0	0	0	0	0	0	0	0	0	91.5
į		<u></u>	1.2	2-3	ጀ	4-S	φ	6-7	3-8-	6-8	9.10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	2-2	ង	23-24	Total

Table 2 HOURLY RAINFALL RECORD AT SAYTAN (14/16)

Month: OCTOBER, 1990

1	3	c	0	0	Ó	0	C	0	0	0	0	0	0	O	0	ø	0	0	0	0	0	0	٥	Ö	0	٥
	30	0	0	0	0	0	0	0	٥	0	0	0	0	0	0	0	0	0	٥	0	0	0	0	0	0	6
	53	o	0	0	0	0	0	ó	0	0	0	0	O	0	0	0	0:	O	0	0	0	0	0	0	0	2
	8	0	0	0	o	Ö	0	0	٥	0	0	٥	0	0	0	0	o	0	0	ø	Ö	0	0	0	0	0
	12	0	0	0	٥	٥	0	ဝ	۵	0	0	0	0	0	0	0	0	0	0	0	٥	0	φ	0	0	٥
	82	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Φ	0	0	0	0	0	0
	25	0	0	0	0	0	0	٥	0	o	O	0	٥	0	o	0	0	0	0	0	0	0	0	0	0	ò
	72	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	Þ	ø
	23	0	0	0	0	0	0	0	ø	0	0	0	٥	0	0	٥	o	0	0	0	0	0	0	0	0	0
	. 22	.0	0	0	Ö	0	0	0	0	0	0	0	ය	0	0	0	0	0	0	0	0	0	0	0	۰	o
	21	0	0	0	0	0	0	Ö	0	0	0	0	0	0	5.0	5.0	0		0	0	0	ပ	0	0	0	9
	. 02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	¢	0	0	50	0	0	0:	50	0	0	72
i,	, 61	٥	0	0	0.5	0	0	0	0	0	0	0	0	0	0	0:	20.0	0	0	0	0	0	ö	0	0	21.5
	18	0	0	0	0	50	50	0	0.5	0	Φ.	0	ò	0	0	0	0	0	0	0	0	0	0	0	0	1.5
	17	0	0	0	0	0	0	0	0	0	0	0	0	0	O	0	0	0	0	0	0	0	0	0	0	0
	16	0	¢		0	٥	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.0	0.5	٥	0	0	1.0
	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18.5	50	3.5	20	5	0	0	0	۵	٥	26.5
Day	4	Ö	3.5	3,0	1.0	0	0	0	0.5	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	8.0
	13	0	0	0	Ö	0	Ö	o	0	0	0	0	0	Ģ	0	0	0	0	o	0.6	0.5	1.0	2.0	0	0	12.5
	12	Ģ	0	0	0	ø	0	0	Ö	0	0	0	0	0	S	Φ)	ల	0	0	0	0	0	0	0	o.	5.0
	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	٥	0
	10	0	0	0	0	0	0	0	0	0	0	0	0	0	Ö	7.	0	0	0	0	0	0	o	Φ	ö	1.5
	6	٥	0	0	0	Ö	٥	0	0	0	0	Ģ	0	0	4.5	30	0	0	0	0	0	0	0	0	0	7.5
	∞	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Ç	0
	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	۵	0	0	0	0	0	0	0	0	0
	9	0	٥	0	0	0	0	0	0	0	0	Ö	0	0	0	0	0	0	0	0	٥	0	0	0	0	6
	S	0	0	.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	ö	0	0	0	0	0	٥
	4	0	٥	0	0	c	0	0	0	0	0	0	0	0	0	Ö	0	0	0	0	٥	0	0	0	0	0
	6	0	ټ	0	0	0	0	0	0	ø	0	0		0	0	5	9	0	0	0	0	0	0	0	٥	22
-	2	Ó	0	0	0	•	0	0	0	0	0	0	0	0	0	0	ø	0	•	0	ဓ	0	ల	0	0	0
3	1	0	٥	0	0	0	•	0	0	0	0	0	٥	0	: 0	0	113	1.0	0	0	0	0	0	0	0	12.5
	ا	-	Ċ	ę,	4	'n	φ		9	Q.	9		2	2	4	2	9	1	82	9	8	7	g	ង	z	
ļ		9	-	Ċ	m	4	v	4	7	øò	る	9	11-1	12.	띥	4	7	35	17-	18	19	สู่	21-7	ä	23-24	Total

Table 2 HOURLY RAINFALL RECORD AT SAYTAN (15/16)

Month: NOVEMBER, 1990

:	8	٥	0	0	G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	O	0	0	0	0
	33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	بر	0	0	0	o	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	23	0	0	0	0	0	0	٥	0	0	0	0	0	0	O	0	0	0	0	0	ø	0	0	0	0	0
	38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	٥	0
	22	O	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	٥	0
	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	23	a	0	ල	0	0	0	0	0	0	0	0	0	: •	0	0	0	0	0	0	0	0	0	0	٥	0
	22	٥	٥	o	٥	0	0	0	0	0	0	0	0	0	٥	0	0	0	0	0	0	0	0	0	0	0
	77	0	0	0	0	0	0	0	0	0	ထ	0	0	0	0	0	0	0	0	0	O	0	0	0	0	0
	ଛ	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5
	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	92	٥	0	0	0	0	٥	٥	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	c
	17	٥	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	٥	0	0	0	0	0
	9	0	0	0	ò	0	0	O	0	0	0	0	0	0	0	0	0	0	0	0	0	٥	0	0	0	o
	15	0	0	0	0	.0	0	0	0	0	0	0	0	0	0	0	0	0	0	٥	0	0	0	ó	Ö	0
Day	4	.0	0	0	Φ.	0.5	٥	0	0	0	0	Ó	0	0	0	0	٥	0	0	0	0	0	O	0	٥	0.5
	13	٥	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	٥	50	3.5	0.5	0	0	6.0
	12	٥	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	٥	0	0	0	•	0	0
	=	٥	0	0	0	0	0	0	0	¢	Ο,	Ö	0	0	0	0	0	Φ	0	0	0	٥	0	0	0	0
	01	٥	0	0	0	0	0	0	0	0	0	.0	0	ပ	0	0	0	٥	٥	0	0	0	0	0	0	0
	6	0	.0	0	0	0	0	0	0	0	0	0	٥	0	0	0	0	0	Ö	0	0	0	0	0	٥	0
	∞	0	0	O	0	0	0	,en	0	0	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.5
	7	0	0	0	٥	0	0	0	0	0	0	٥	0	0	0	0	0	0	0	7	0	0	0	0	0	2.0
	ود	٥	S	0	•	0	0	0	0	0	0	0	0	0	٥	0	0	0	0	۵	0	0	0	¢	0	0.5
	V)	٥	0	٥	0	0	0	0	•	0	0		0	0	0	0	0	0	0	٥	0	٥	20.5	7	٥	22.5
	4	0	0	0	٥	0	0	0	0	0	0	0	0	٥	٥	0	0	0	0	0	0	0	0	٥	0	0
	9	0	0	0	0	0	0	0	0	0	0	0	0	0	٥	0	0	٥	0	0	0	0	0	0	0	0
	7	٥	0	0	0	0	0	0	0	0	0	0	0	0	0	0	٥	0	0	0	0	0	0	0	ο΄	0
	1	٥	0	0	9	.0	0		0	•	0	•	0	0	Ö	0	0	0	S S	0.5	0	0	٥	0	0	93
E	y mag	2	1-2	2-3	7	4	5.6	6-7	7-8	8-9	9.10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-23	22-23	12-24	Total

Table 2 HOURLY RAINFALL RECORD AT SAYTAN (16/16)

Month: DECEMBER, 1990

	26 27	0	O	0		ö	0 0 0				O	٥	0	٥	0	0	0	٥	Ó	Ö	0	6		0	0 0	0 0 0
	24 25	0	0	0	0	0	0	0	0	Ö	0	0	0	0	0	0	0	0	0	0	0	0	0	0	٥	o o
	æ						0 0										0		0		0	0	0	0	0	0 0
	21 22						0																	0	0	0
	82	0	0	0	0	0	0	0	0	0	0	•	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	19	0	0	0			0 0	0	0	0			0			Τ.		0		-	0	0	0	0	0	0
	17 18	0	0	0	0	0	0	0	0	0	0	0	· 0	O	.0	0	0	0	0		0	0	0	0	0	Q
	16	0	0	0	0	0 0	0	5	0	0			0 0					0	0	0	0	0	0	0	0	5
Day	14 15						•		0				0 0			_		0	0	0	0	0	0	0	0	0 14.5
	13	0		•	0	0	0	0	0	0	0	0	0	0	0					::			0		c	0
	12						0		0				0										0	0	0	0
: -	10 11	0	6	0	0	0	0	٥	0	0	0	٥	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	6	0	0	0	0	0	0						0	,			0	0	0	0	0		0		0 0	0
	8	. 0	0	0	0	0	0		0										•	0	0	•	0	0	0	- -
	9		•				0									:										0
	s						0																			0
	٤. 4	0	0	0	0	0	0	0	0	0	0	0	¢.	0	0	~	0	0	0	Ö	0	0	0	0	0	0
	2						0 0			-			٠.													0
	Lunc 1				,			-:															21-22			Total

Table 3 HOURLY RAINFALL RECORD AT IBA TARLAC (1/16)

Month: September, 1989

, and		ĺ						-					. !	Day.				***************************************				: 1							l
	7	7	ю	4	Ś	۰	<i>L</i> .	60	ο.	10	11	22	13	14	15	16 1	17 1	18 19	9 20	77	22	23	24	ß	83	1.7	28	29 3	ಜ
5		,		O	0	0	6	٥	0	Š	٥	27.5	0	0	0	0			0								0	0	0
1.5	•	. •	1	٥	0	٥	٥	0	0	3.0	0	1.0	2.5	0	0	20			0								0	0	Φ
2-3			•	0	٥	0	0	0	0	5.0	7.5	25	25	1.0	0	0			0								0	0	0
4	•	1		٥	0	0	0	0	0	2.0	17.5	Φ	1.0	٥	0	0			0								٥	0	0
2 4	ì	•		٥	0	c	Φ.	0	0.5	4	0.5	16.0	50	0	0	0			0								0	0	0
γ	•	•	•	0	0	0	0	0	0.5	2.5	7.5	4	2.5	0	0	0			0								0	0	0
6.7	•		1	0	0	0	0	0	1.0	5	0.5	6.0	7.	0	0	0			0								S	0	0
7.8			0	0	0	0	Ģ	0	70	0.5	0	Ó	0	0		0		_	0								0	0	0
6.8			0	0	0	0	0	0	6.0	0	0	2.0	0	0	0	0			0								0	0	0
۲ 51		,	0	0	0	0	0	0	5.5	4 0.	0	2.0	1.0	0	0	0			0								0	0	0
9 !!		,	0	0	0	0	0	0	4,5	1.5	0.5	0	1.5	0	0	0			0								0	0	0
11-12		•	0	0	5.5	0	0	0	3.0	5.0	1.0	0	0	0	0	0			0								0	0	0
12-13		4	0	0	0	0	0	2.0	50	4.0	0.5	0	0	0	3.0	0			0								0	18.0	0
13-14			0	0	0	0	0	5	20	5.5	3	0	0.5	0	0	0			0								0	0	0
14-15		ľ	0	0	0	0	0	0	Ġ	0	50	0.5	1.5	0	0	0			0								0	0	0
15-16	,	,	0	0	0	0.5	0	0	0	0.	0	0	5.0	0	0	0			0								0	0	0
16-17		.'	0	0	0.5	0	0	0	1.0	5.0	0	0	0.5	0	3.0	0	o	0	50	0	0	0	0	٥	0	18.0	0	Ö	0
17-18			0	0	0.5	0	•	0	0	0	0	3.5	0	0	11.0	Φ			0								0	0	0
18-19	•		0	0	0	٥	0	0	0.5	0	0	50	0	0	0	. : •			0	Ť.		_					0	0	0
19-20			0	0	٥	0	0	0.5	0	0	0	0	0	0	50	0			0				•				0	0	0
20-21	•	,	0	0	0	0	0	1.0	1.5	1.5	O	1.5	0	0	20	0			0				_	0.5			0	0	0
21-22		,	0	0	0	0	0	0	4.5	0	0.5	45	0	0	0	0			0			0	<u>۔</u>	-	0	0	Φ	0	0
22-23	,		0	0	٥	0	0	0	4.0	0	0.5	30	0	0	50	S			0			0	_	•	٥	0	٥	0	0
23-24	,	•	0	0	0	0	0	0	1.0	0	18.0	3	0	0	4.0	φ.			0				<u>۔</u>	0	0	0	0	0	0
Total			0	0	5.9	0.5	0	7.0	39.5	65.0	57.5	75.5	16.0	20	225	1.0	2.0	3.0	20	8	0.08	0 65	5 60.5	5 15	9.	29.0	0.5	18.0	0

Table 3 HOURLY RAINFALL RECORD AT IBA, TARLAC (2/16)

Month: OCTOBER, 1989

	1 2					4.5												3 1 12								Total 22.0
	ю				٠	0 0											,									0.0 0.0
	4					0																	:		: .	0.0
	5					0																			- :	0 345
	9					0				•																5 16.5
	7					0																				2.5
	∞					0														٠.		0			. 1	0.0
	6	٥	0	٥	0	0	0	0	0	0	0	0	0	0	0	⇔	7.0	11.5	e. Si	4.0	23	1.0	0	0	0	29.5
	0.	۵	0	0	φ	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	Ó	0	0.5	1.0	0	1.5
	=	0	0	0	0.5	0	50	4.5	2.0	1.5	0.5	30	7.0	0.6	7.5	7.0	1.0	0	0	0	0	0.5	oʻ	0	0	47.5
	12	6	0	0	S.	φ (γ	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.5
	13	.0	0	0	۵	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	٥.	0.0
Day	14	0	0	0	0	0	0	٥	0	0	0	0	0	Ö	: •	0	0	0	0	0	0	0	0	0	٥	0.0
	15 1	Ö	•	0	0	0	0	0	0	0	Ö	0	0	0	•	o	Ο.	0	0	0	0	0	0	0	0	0.0
	16 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
	17 18	٥	0	Ģ	0	0	0	¢	0	0	0	0	0	ö	0	0	0	0	ø	0	0	0	0	0	0	0.0
	18 19					0														,		•				0.0
	8					0																			0.5	8.0
	21					0																			0	9.5
	22					0																				0.0 0.0
	23					0 0						٠.										÷				0 3.5
	75					0																				5 0.0
	প্র													:											0	0.0
	8					Φ.																		0	0	00
	27	0	0	0	0	0	0	0	•	٥	0	0	O	0	φ	0	O	0	0	о	٥	0	Ø,	0	0	0.0
	83		٠			0																				0.0
	R	0	0	ø	0	٥	0	٥	0	0	0	Ö	0	۵	0	0	0	0	0	0	0	0	0	0	0	0.0
	30	0	٥	O	0	0	0	0	0	0	0	o	Ф	•	0	<i>ه</i>	0	0	0	0	0	0	0	O	0	0.0
] '	31	Ű		. 0	Ç	Ü	0	O	0	O	0	0	O	ø	0	0	0	0	O	0	0		0			0,0

Table 3 HOURLY RAINFALL RECORD AT IBA, TARLAC (3/16)

Month: NOVEMBER, 1989

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	53	,			,			•					,				•									
	শ্ব		,								•	1		•				•			•			,		
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Table 3 HOURLY RAINFALL RECORD AT IBA, TARLAC (4/16)

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Table 3 HOURLY RAINFALL RECORD AT IBA, TARLAC (5/16)

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	8	0	0	0	0	0	೮	0	٥	0	0	0	0	0	0	0	0	o	Ö	0	0	0	0	0	0	0.0
	8	0	0	0	0	0	0	0	٥	0	0	0	Ö	0	0	0	o	0	0	0	0	0	0	۵ (0	0.0
1	Z	٥	0	0	0	0	٥	0	0	0	0	oʻ	0	0	0	0	0	0	Φ.	0	0	0	0	0	0	0.0
	8	0	0	0	0	0	0	٥	٥	0	0	0	0	0	0	0	0	0	0	0	0	٥	0	0	٥	0.0
	22	0	0	0	0	0	0	0	٥	0	0	0	0	0	0	0	0	0	Ö	0	0	0	0	0	0	0.0
	*	٥	Ö	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Ó	Φ.	0	0	0	0	0	0.0
	ន	0	0	0	0	0	0	φ	0	0	0	Φ	Ф	0	0	0	0	0	0	0	0	0	0	0	0	0.0
	22	٥	0	0	0	0	0	Φ	0	0	0	Ö	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
	21	٥	0	٥	0	0	٥	0	0	0	0	0	0	0	0	0	C	0	0	0	0	0	0	0	0	0.0
	8	0	0	0	0	0	٥	0	0	0	0	0	0	0	0	0	0	0	0	0	Ö	0	0	0	0	0.0
	61	0	0	0	0	0	0	٥	0	0	0	0	٥	0	0	0	0	0	0	0,	0	0	0	0	۰	0.0
	18	٥	0	0	0	0	Ó	0	0	0	0	0	0	0	0	0	0	0	0	0	0	٥	٥	0	0	0.0
	17	O	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	٥	٥	0	0	0	0.0
	91	0	0	0	0	0	Ó	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
	15	0	0	0	0	0	0	0	0	0	0	0	0	0	ø	0	0	0	Ó	-	0	0	0	0	0	0.0
Day	4	0	0	0	0	0	0	0	0	0	0	0	0	0	ø	0	0	0	0	Φ	0	0	0	0	0	0.0
	13	0	0	0	0	0	٥	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
	23	0	0	0	0	0	0	¢	٥	0	0	Ö	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
	11	0	0	0	0	0	0	O	0	Ö	0	0	Ö	•		Ö	0	0	0	0	0	0	Ö	0	0	0.0
-	2	0	0	0	0	0	0	0	0	0	0	0	•	0	0	0	0	0	0	•	О	Ö	0	0	0	0.0
1	6	O	Ö	0	0	0	0	0	0	0	0	0	o	0	0	٥	0	0	0	0	0	0	0	0	0	0.0
	∞	0	0	0	0	٥	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	٥	0	Φ.	0,0
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	4	0	0	0	0	0	0	0	0	0	0	0	0	O	٥	0	0	0	0	0	0	0	0	0	0	0.0
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	13	0	0	:	0	Ö	0	٥	0	0	0	0	0	0	0	٥	0	0	0	0	0	0	0	0	0	0.0
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Table 3 HOURLY RAINFALL RECORD AT IBA, TARLAC (6/16)

Month: February, 1990

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		. 21	0	0	0	0	0	0	Ģ	0	0	٥	0	0	0	0	0	\$	0	0	0	0	0	0	0	٥	0.0
	Day	14	0	0	0	٥	0	٥	0	0	a	٥	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0,0
		13	0	0	0	٥	0	0	<u>0</u>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
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Table 3 HOURLY RAINFALL RECORD AT IBA; TARLAC (7/16)

Month: MARCH, 1990

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	27 2	c	• 0	> <	> <	.	,	, o	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
	92	c	, ,	0 0) c	0 0	o c	0	0	0	0	o	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
	25	¢	· c	S C	> <	> C	>	٥٥	0	0	0	0	0	٥	0	0	0	Φ	0	0	0	0	0	٥	0	0.0
	z	0	, c	c	0 0	00	· c	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	o	0.0
	23	0	ċ	• •	ò	0	· c	0	0	0	0	٥	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
	77	c	· c	-	o e	<i>-</i>	· c	ó	0	Ģ	0	0	0	0	٥	0	0	0	0	0	0	0	0	0	0	0.0
	21	c	, ç	Ö	o c	0 0	c	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Ö	0.0
	80	c	· c	· c	0	0 0	· c	Ó	0	0	0	O	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
	6	c	, c	ء 'د	· C		Ċ	Ö	0	0	Ö	0	٥	0	0	Ö	0	0	0	0	0	0	0	0	Ö	0.0
	18	c) C	, c	c	0	ø	0	0	0	Φ	Ö	0	0	0	0	0	0	0	Φ	0	0	0	0	0.0
	17	٥	• <	0	9 0	o c	o C	0	0	0	0	0	0	O,	0	0	0	•	0	0	•	¢	٥	Ó	0	0.0
	16	C	Ç		•	0	· c	0	O	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	00
	15	C	· C	ď	0	o C	· C	0	0	Ó	0	0	Ó	0	0	0	٥	0	0	0	0	0	0	0	0	0.0
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1	1	2		,	ς è	ነ ሂ	í J	6.6	7		2	10-1	11-17	27	Ω Υ Υ	14-1	15-16	16-1	17-18	18-11	19.2	8	21.2	22	23-25	Total

Table 3 HOURLY RAINFALL RECORD AT IBA, TARLAC (8/16)

Month: APRIL, 1990

	8	0	0	0	0	0	0	0	O	0	0	٥	0	0	0	0	٥	0	0	0	0	0	¢	0	٥	0.0
	8	٥	0	0	0	٥	0	0	0	0	0	0	0	٥	0	0	0	0	0	0	0	0	0	0	0	0.0
	28.	٥	0	0	0	0	O	0	0	٥	0	0	0	0	0	0	0	٥	0	0	0	٥	0	٥	0	0.0
	77.	0	0	0	0	0	0	0	0	0	0	٥	٥	Ö	C	0	0	0	0	0	0	0	0	0	0	0.0
	38	ο	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	ó	O	0	0	0	0.0
	য়	o	0	0	0	0	0	Ö	0	0	0	φ	0	0	0	0	0	Ø	0	0	0	0	0	0	0	0.0
	24	0	0	0	0	0	0	O	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
	ន	0	0	0	0	0	0	0	0	Ö	0	ò	0	0	0	0	0	0	٥	0	0	0	0	0	0	0.0
	z	٥	0	0	0	0	٥	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
	21	0	0	0	0	٥	0	0	0	0	1.5	24.5	0	0	0	0	0	0	0	٥	0	0	0	0	c	26.0
	ន	Θ,	0	0	0	0	0	0	0	0	Ģ	0	0	0	0	Ö	0	0	0	0	0	<u>ه</u>	0	0	٥	0.0
	61	٥	0	Ó	0	0	Ģ	0	0	0	0	0	•	0	0	0	1.0	0	0	0	0	0	0	0	٥	1.0
:	18	0	0	0	0	0	0	0	0	0	0	0	Ó	0	0	0	0	0	0	0	0	0	0	0	0	0.0
	17	٥	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4,0	0	0	0	0	0	0	4.0
	9[0	0	0	Ģ	0	0	•	0	0	0	Ó	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
	15	٥	Ģ	0	٥	Ö	0	0	0	Ó	0	0	0	0	0	0	0	0	0	0	0	Ö	0	0	Φ.	0.0
Day	14	Ö	0	¢	0	0	٥	0	0	٥	0	٥	0	0	0	0	¢	0	0	0	•	0	0	0	٥	0.0
	13	0	0	0	13.5	0.5	0	0	0	0	0	0	0	0	0	8	17.0	0	0	٥	0	0	0	0	0	39.5
	13	0	0	0	0	0	0	Ó	0	0	0	0	0	0	0	0	0	0	0	ø.	0	0	4	0	0	4.5
	Ξ	0	0	0	0	0	0	0	0	0	0	•	0	0	0	0	0	Ó	0	0	0	0	0	0	0	0.0
	ខ្ម	0	Φ	0	٥	c	0	0	0	0	0	0	0	0	0	o	0	0	0	0	0	0	0	0	0	0.0
	۵,	٥	0	0	0	0	0	0	0	0	0	٥	0	0	0	o	0	0	0	0	0	0	٥	0	0	0.0
	%	0	o,	٥	0	0	0	0	Φ.	¢	Ç	0	•	0	0	0	0	0	0	0	0	0	0	0	0	0.0
	7	0	0	Ö	0	0	0	0	0	Ö	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
	æ	,O.,	0	0	٥	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
	'n	0	0	0	0	0	0	0	0	0	٥	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
	4				0									Ċ												0.0
	en En	0	Ó	0	0	0	Ö	0	0	0	٥	0	٥	0	0	0	0	O	0	•	0	0	0	0	0	0.0
	7	Ð,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
	p=4	0	0	0	0	0	0	0	0	0	0	0	Ċ	0	0	0	0	0	0	0	Ö	0	0	0	0	0.0
į		સ	1-2	2-3	4	4-5	5.6	6-7	7-8	6.8	9.30	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19.20	20-21	21-22	ដូន	23-24	Total

Table 3 HOURLY RAINFALL RECORD AT IBA, TARLAC (9/16)

Month: MAY, 1990

Ě	/	3	-5	53	с	2-4	9	S	7.8	8-6-8 6-8	٦ 5	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-28	20-21	21-22	22	23-24	Total
	-	Φ	0	0	0	0	0	Ģ	0	0	0	0	0	0	O	0	0	0	0	0	Φ	0	0	0	0	0.0
	7	0	0	0	0	0	0	0	0	٥	0	0	0	۰	0	0	0	•	0	Q	Ģ	0	0		0	0.0
.	3	. o	Φ.	0	Ó	0	٥	0	0	0	0	0	0	0	0	0	0	• •	0	0	0	0	O	0	0	0.0
	4	Ö	٥	0	0	0	0	0	0	0	0	0	0	0	0	0	0	ø	0	٥	0	0	٥	0	0	0.0
	ۍ.	0	0	0	0	0	٥	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	٥	٥	0.0
	9	0	٥		•	0	0	0	0	0	0	0	0	0	0	0	5.0	25	0.5	0	0	0	0	0	0	5.0
	7	.0	0	0	Φ	0	0	0	0	0	0	0	0	0	0	¢	0	50	42.5	ó	0	0	0	0	0	43.0
	•	0	0	0	0	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5
	6	0	0	0	0	0	0	0	0	٥	0	0	0	0	•	0	0	0	0	0	0	0	0	0	0	0:0
	2	0	G	: O	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.0	4	0	0.5	0	0	8.0
	=	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49.5	20.0	90	0	0	٥	0	72.5
	12	0	0	0	0	0	0	0	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50
	13	0	0	0	0	0	c	0	0	0	0	0	0	0	0	0	0	0	0	0	11.0	0.	0	0	0	18.0
à	14	0	0	0	0	0	0	0	0	٥	0	0	0	0	٥	0	0	0	0	0	0	0	0	0	0	0.0
	15.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
	16 1	0	0		0	0	0	.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
į	17 18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
	8 19																0								. [0.0
	50																0			٠.		•			0	0 3.5
	21																0									3.5
	22																0.5 0									
	23														•		0.30								i	9
	8																0									5 1.0
	Я																0									0.5
	я																0									0.0
	12																8.0	. 1							į	33
	83	0	0	0	0	0	0	٥	0	0	٥	Φ	3	45	1.5	6.5	1.5	٥	O	0	0	0	0	0	٥	16.5
	क्ष	0	٥	0	0	0	0	0	0	0	0	0	0	0	0	0	٥	0	0	0	0	0	0	O	0	0.0
	စ္က	0	0	0	0	٥	0	0	0	0	0	0	0	0	0	0	0	5.5	0	Φ	0	0	16.5	3.0	٥	ĸ
	8	O,	-i									Ī			4										- 1	vi.

Table 3 HOURLY RAINFALL RECORD AT IBA, TARLAC (10/16)

Month: JUNE, 1990

	છ્લ						0							٠		7			٠	_		_	~	_	_	80
	ጲ	0.5	0	0	0	O	0	1.5	4.0	20	1.0	0	0	0	Φ	0	O	0	0	0	0	0	0	0	0	66
	ន	٥	50	0	9.5	4.0	2.0	0	35	5.0	0	0	2	0.5	50	0.5	٥	0.5	0.5	2	25	0	95	0	0	31.5
	1,2	0	0	Ó	0	٥	Ö	Ö	0	5.0	٥	0	0	3.0	5	0	0	20	8.5	13.0	5.0	6.0	8.0	3.5	1.0	52.0
	38	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	0	0	0.1
	. 52	٥	0	0	0	0	0	0	0	0	0	0	0	0	0	oʻ	0	Ö	0	0	0	ø	51	3.5	0.5	35
	72	0.5	0	0	0	0	1.5	7	Ġ	S	8.5	5,4	25	0.1	0	0	0	0	4,5	0	Ф	0	0	0	0	30.0
	8	5	50	43	55	0.1	50	50	1.0	m	5	2.5	0	0.1	9.0	0	50	2.0	3.5	19.5	56	0.	0.0	ć,	0	78.5
	22	5.0	4.0	ű	2.0	40	4.0	5.0	4.5	25	4.0	25	2.0	2.0	0.0	1.5	0	0	0	0	1.0	0.1	1.5	1.0	2.0	53.0
	21.	0	0	0	0	0	0.5	0.5	0.1	0.5	0	0	0	0	0	0	5.0	0.5	¢	0	1.0	3.5	4.5	3.0	0.0	21.5
	20	0	0	0	0	0	0	0	0	0	0	0	0	o,	0	0	0	0	0	30	3	Ţ	0.5	٥	6	11.5
	19	0	0	0	0	0	0	0	0	¢	0	0	0	0	0	0	0	0	0	0	0	0	٥	0.6	0	0'6
	18	٥	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.5	.5	0	10.0
	17	0	0	0	0	0	O	0	0	0	0	0	0	0	: •	0	0	0	0	0	0	0	0	0	0	0.0
	16 1	.0	0	0	0	0	0.5	25	0	0	0	0	0	9	0	15	0	0	0	0	0	0	0	•	20	5.0
	15 1	0.5	0.	1.0	3.5	0.8	3,5	5	0:	5.0	0.5	0	0	0	5.5	50	0.1	0	4.0	4.0	0	0	0.5	0	0	59.0
Day	14 1							0						-						a j						8.0
	13 1	٥	0	0	Ö	0	0	0	0	0	0	0		0	0	0	0	0	Ö	Ö	Φ.	ó	0	0	0	0.0
	12 1	0	0	0	0	Ö	0	0	0	0	0	0	0	0	0	0	0	0.	0	•	0	0	•	<u>۾</u>	0	0.0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
	11	0	0	0	0	©	0	0	0	0	0	0	0	o	0	0	0	0	0	0	0	0	3.0	0	1.5	4.5
	10	0	0	0	0	0	٥	0	0	٥	ó	0		0	0	0	0	0	8.5	3.0	0.5	Φ,	0	0	0	32.0
	6		0			0	0	٥	ž		0	0	0	0		0	01	0	•	0	·	0	0	0	0	3.5
	۰	0	0	0	0	0	0	0	٥	0	0	0	0	0	0	0	0	20	S.C.	0	0	0	0	0	0	2.5
	7	0	0	0	0	0		0														:				15.0
	9							ö																	٠.	0.0
	3	0	0	0			0	0	0	0	0	0			0	0	0	0	0	0		0	0	0	O.	0.0
:	4	٥	0	0	0	0	0	0	0	0	0	ø		0	0	٥	0	٥	0	0	0	0	0		0	0.0
	m							0		٠																3.5 0
	2			_				٥							, i						÷	٠				
	1			•				•								٠.										25.0
į į		ર	2	23	ጟ	2 5	χ̈	6-7	8°-/-	6.8	9 10	1611	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19.20	8	21-23	22	23-24	Total

Table 3 HOURLY RAINFALL RECORD AT IBA, TARLAC (11/16)

I.				_	_	_	_	_	_	<u>ا</u>	_	_	_	_			0	_	_	١.	ا م	_	_	_	<u> </u>	10
	31																Φ								- 1	19.5
	30																0								1	6.0
	23	4.	0.5	0	0	0	0.5	0.5	0	1.5	6.0	٥	1.5	0	1.0	0	Ö	0	0	0	0	0	Ö	1.5	0.5	17.5
	28	٥	0	 či	4.0	٠, ر	0	٥	0.5	1.5	20	2.0	4.0	3.0	% 0.8	13.0	50	20	0.5	5.0	3.5	5.0	0.5	S	٥	2,0
	27	0.5	¢	0	0.1	٥	0	0	0	Φ	0	0	0.5	٥	0	1.5	0.9	6.0	17.5	3.5	50	0.5	0	0	0	37.5
	%	0	0	0	0	0	0	0	0.5	0	0	0	0	0	0	,J	0.1	0	15.0	11.0	<u>4</u>	4,0	5,5	4,5	0.5	49.0
	25	0	0	0	0	0	Ö	0	0	Q	0	0	ø	0	30	1.0	0	0	0	0	0	0	0	0	0	4.0
	24	0	0	0	٥	0	0	0	0	0	0	0	0	0	0	7.5	1.0	¢	0	0	0	0	0	0	0	8.5
	23	0	0	0	0	0	0	٥	0	0	0	0	0	6.5	7.0	0	0	0	0	0	0	0	0	0	0	13.5
	. 22	0	0	0	٥	0	0	0	0	0	0	0	0	0	0	2.5	0.5	0	0	0	0	0	0	0	0	3.0
	21	0	0	0	0	G	0	0	٥	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20	0	0	0	0	0	0	0	0	0	0	0	Ö	0	0	0	0	0	0	0	0	0	0	0	0	0
	. 61	'n	0	0	0	0	0	٥	0	0	0	0	0	0	0	0	0	0	. 5.5	0	0	0.5	0	0	٥	36.0
	18.																0									1.5
	17 1	0	0	0	0	O	0	0	0	0	0	0	0	0	0	0	0	0	0	2.5	8.5	λJ	2.0	0	0	23.0
	16 1																0									0.5
	15 1																0						-		- 1	28.0
Day	14 1																0									31.5 2
																	0							-	1	1.0
	2 13																0			٠,					ì	24.5
	12																2.5				-					23.5 2
	11					0										•		0								0.5
	10																0									5.0
	6								_								4.0									7.0
	×>	,															0									13.5
	7																0									
	À																0									5 520
	5																0									. A
	4																									0.5
	6				•						•		1				5 0.5									0.11.0
	2	٦	_						٠.					٠			0.5						Ī			0 10
	-	9	J	رب	.⇔	_	ن		٠	ت	J	Ţ	Ų	_	3		0		-,	٠			٦	_	_	٥
Ē	THIS CONTRACT	0-1	1-2	7-3	4	\$ 4	9.5	6-7	7-8	8-9	910	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	61-81	19-20	20-21	21-22	2.23	23-24	Total

Table 3 HOURLY RAINFALL RECORD AT IBA, TARLAC (12/16)

Month: AUGUST, 1990

T		3	1.5	2-3	4	5-4	ý	6-7	7-8	8-9	910	10-11	21-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22.22	23-24	Total
	. pri	0	0	0.	Ģ	0	0	0	0	•	0	0	20	0	0	0	•	0	0	Ö	٥	0	0	0	0	1.5
	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
	. ب	0	¢	¢	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
	4				0													Ξ.								103.5
	'n	0	o	0	0	<u>٥</u>	0	0	0	0	0	0	0	0	. 0.5	0	.0	0	9	0	0	0	0	0	0	0.5
	Q	0	0	0	0	0	Ö	0	0	0	0	ċ	٥	0	0	0	0	O	0	0	0	٥	¢	0	0	0.0
	7	0	0	Ö	0	0	0	0	0	0	0	0	0	0	0	0	11.5	1.0	5	0	0	0	0	0	0	13
	8	0	0	o	0		0	0	0	ల	0	0	0	0	0	0	0	0	0.5	0	0	0	0	0	0	50
	6	0	¢	0	0	0	0	0	0	0	0	0	0	0	0	1.0	61	0	0.5	0	0	0	0	0	0	3.5
	01	0	0	0	0	o	0	0	0	Ō.	0	0	0	0	, O	0	: •	0 8	7	en	en	1.0	0	0	0	8
		0	0	0	0	0	0	0	Ö	0	0	0	0	0	0	0	0	0	0	'n	1.5	0	0	0	0	65
	12 1	0	0	0	0	0	o	0	0	0	•	0	0	0	0	0	0	0	0.5	61	50	0	0	0	င	60
	13 1	0	0	0	0	0	0	0	0	0	٥	0	0	0	0	50		0	0	•	0	Ö	0	0	٥	50
Day	14	0	0	0	0	0	0	0	5.0	0.5	0	٥	0	0	0	0	0	0	G	Ö	0	0	0	0	0	10
	15 10	ó	0	0	0	ó	0	0	٥	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
	16 17	٥			0								į,				0	0	0	0	0	0	0	0	0	6.0 2
	, 18				0																	1.0	6	~	۰``	24.5 33
	19	0	, Λ	κJ	0													2.0		-	0.1	0	5.		0.2	33.5 23.5
	8	0	0	. 0	0 2							43											70			
	21				2.0 0									٠												14 5.5
	Ħ				0			-											0	0	0	0 25.		0 1.0		ν,
:*	ឧ				0														5.5	4.5	. 15	7.0		0.0	3,0	5 41.5
	z		-		0.5																			0	٥	101.5
	ĸ				0						0	0	0	0	0	0	0	0	0	0	0	S		0	95	10
	×S	0	0	0	Φ.	0	٥	0	0	0	0	1.0	0	1.5	4,0	0.1	0	28	7.0	3,5	5.0	0.5	50	1.0	2.0	33.5
	22	25	25	0.5	50	1.0	0	Ş	0.5	1,0	٥	0	0.5	0	0	0	0	0	0	0	0.	0.	0	0.5	o	13.0
	83	0	0	0	0	50	3.0	0	95	٥	0	٥	0	0	٥	0	4.5	0.5	0	9	0	0	5	0	0	11.5
	କ୍ଷ	0	0.5	0	ò	O	0	٥	0	2.0	0	SO	0	0	0	0	0	0	0	0	0	0:	0	0.5	0	4.5
	30	٥	0	Ö	0	٥	0	0	1.0	0	9	50	0	0	Ö	1.0	O	ø	0	0	0	0	0	0.5	٥	3.0
	31	0	0	0	0.5	0		0	0	0	0	0	0	0	0	0	0	0	O	0	0	0	Ο.	O	28	9.0

Table 3 HOURLY RAINFALL RECORD AT IBA, TARLAC (13/16)

Month: SEPTEMBER, 1990

	ន	0	0	ø	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
. :	82	٥	0	0	0	Ö	O	0	0	0	0	0	Ó	0	0	o	0	0	0	0	0	0	0	0	0	0.0
	28	0	0	0	0	٥	٥	0	0	0	0	0	0	0	0	0	0	0	ó	0	0	0	0	0	0	0.0
	žĮ.	٥	0	0	0	0	٥	0	0	0	0	٥	0	0	0	0	0	0	0	0	o S	0	0	0	0	50
	38	0	0	9	ò	0	0	0	0	o'	0	0	•	0	0	0	0	0	Ö	٥	0	ó	0	0	0	0.0
	23	0	0	5	0	0	0	0	0	0	٥	0	0	0	Ó	0	0	0	0	0	0	0	0	0	0	20
	8	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	٥	0	0	0	0	26.0	225	0.5	٥	49.5
	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.6	20	0	0.5	0	5	1.0	13.0
 	z	٥	0	0	0	0	0	Ö	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
	. 23	٥	0	0	0	0	0	0	5.0	0	ó	0	•	0	Ö	0	0	0	0	0	0	0	0	0	0	20
	20	٥	0	0	0	0	0	0	0	0	0	0	0	0	Φ	0	0	0	0	0	0	7	0	0	0	1.5
	61	0	0	0	0	0	0	0	0	٥	0	0	0	0	0	0	0	0	0	2	2.5	0	0	٥	0	3.5
	18	٥	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.0	2.0	0	0	0	0	0	0	3.0
	17	0	0	0	Φ.	0	0	0	0	0	4.0	5.5	0	0	¢	0	0	0	0	0	0	0	0	0	0	5.6
	16	٥	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	o	0	S
	15	٥	S,	0	0.5	0	0	0.5	3.0	5.0	50	20	0	0.1	0	0	0	0	0	0	0	٥	0	0	0	9.5
Day	4	٥	0	0	0	٥	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	٥	0.0
	13	0	0	0	0	0	0	0	0	0	0	Ģ	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
	12	٥	0	0	ပ	0	0	0	0	0	\$	¢	0	0	٥	0	0	0	0	0	o	0	0	0	0	0.0
	::	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
	01	0	0	0	٥	0	0	0	0	0	0	0	O	0	0	0	0	0	o	0	0	0	0	0	0	0.0
	6	202	0	0	0	0	0	0	0	G	0	Ģ	Ö	0	ċ	0	0	0	0	Ö	0	ల	0	0	0	20
	. : 90	20	25	9:	0.5	7	0:	0	0	9	5.0	8,5	0	15	S.S	S	1.0	0	0	0	0	0.6	5.0	6.5	3.0	44.0
	7	9	ð,	7	25	4.0	3.5	13	0.6	10.0	13.0	0.7	6.0	2.0	6.0	<u>ت</u>	0	4.0	12.5	5.0	2.0	7.5	٥	5.0	1.0	101.0
	9	0	0	0	0	0	1.5	0	0	0	0	3.0	20	0.	3	50	0.1	3.0	25	0.5	0.5	0	0.5	20	4.0	23.5 1
	V)	0	0	0	0	0		0	0	o	0	0	0	•	0	0	0	0	0	0	0	0	0	0	٥.	0.0
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	6 0	0	ង	50	0	0	0	0	0	0	20	50	6.5	0	5.0	0	0.5	0	6.5	0	50	O	0	0	Ó	13.5
	2	0	0	0	0	0	0	0	٥	0	0	0	0	1.5	٥	0	0	0.5	1.5	0	0	0	0	0	0	3.5
	,-	5.0	0.1	S	8.0	7.0	7.0	5.5	0.9	0.9	5.0	20	4.5	55	501	15	0	0	0	0	0	0	0	0	0	110.5
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Table 3 HOURLY RAINFALL RECORD AT IBA, TAIULAC (14/16)

Month: OCTOBER, 1990

Time		9	1.2	2-3	¥	4.5	94	6-7	200	6-8	P.10	10-11	11-12	12-13	13-34	14-15	15-16	16-17	17-18	18-19	19-20	28-23	21-22	22-23	23-24	Total
	-	Ģ	0	Ó		0	0	0	0	•	ø	0	0	0	120	1.5	0	0	0	0	Ģ	Φ	0	0	0	13.5
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	11	٥	0	0	0	0	Ç	Ó	0	0	0	0	0	0	0	0	0	•	0	0	0	0	0	o	0	0.0
	12	0	0	0	0	0	0	0	0	o	0	٥	0	0	0	•	0	0	0	o	0	<u>ت</u>	0	0	0	0.0
	13	0	0	0	0	٥	0	0	٥	0	Ö	0	Ġ	0	٥	0	0	ó	0	٥	0	٥	0.5	0	0	0.5
Day	4	•	0	Ö	0	0	Ö	0	0	0	0	ö	0	0	0	Ö	0	0	9.	2,5	0.1	0.5	0	0	0	5.0
	23	0	0	0	¢	0	o	0	0	0	0	50	1.0	0	0	0	0	0	0	0	0	0.5	0	0	0	2.0
	16	0	0	0	0	٥	0	0	0	0	0	0	Ö	0	0	0	15.0	25.0	16.0	0	0	50	5	35	0.5	62.0
	17 1	0	٥	0	0	٥	0	Ö	0	0	0	0	0	0	0		5.6	0	0	0	0	0	O	0	0	5.6
	18 1	0	0	٥	O	2.5	0.5	٥ ک	5.0	0	0	0	0	0	0	0	0	0.5	20	1.0	0.7	0.5	0	0.5	0	9.5
	19 20				0				0				•		Α,		0	0	0	Ġ	0	0	0	0	0	0.0
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Table 3 HOURLY RAINFALL RECORD AT IBA, TARLAC (15/16)

Month: NOVEMBER, 1990

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	83	٥	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
	83	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	ò	0	0	0	0	0	0.0
	ĺΖ	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	٥	0.0
	83	0	c	0	0	0	0	0	0	0	0	0	o	0	0	0	0	0	0	0	0	0	Ö	0	0	0.0
	প্ল	٥	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	ο.	0.0
	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	٥.	0.0
	83	0	0	٥	0	0	0	0	O	0	0	0	0	0	0	0	O	0	0	0	0	0	0	0	0	0.0
	23		0	0	0	0	0	0	0	0	٥	Ġ	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
	8	٥	0	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	Φ	0	0	0	0	0	0	0	20
	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
	82	.0	0	0	0	0	0	0	0	0	0	٥	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	o	0.0
	15	0	0	0	٥	0	0	0	0	0	0	0	0	၁	o	0	0	0	0	0	0	0	0	0	0	0.0
	ž.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	0	0	0	0	0.5
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	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.0	1.5	0.5	4.0	ξį.	0	0	0	٥	11.5
	12	0	0	0	٥	0	0	0	٥	0	0	0	0	• •	0	0	٥	0	0	0	o	0	0	0	0	0.0
	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	0	0	0	0	0	0.5
	92	0	0.5	0	0.5	0	ల	0	0	0	0	0	0	٥	0	0	0	O	٥	0	C	0	0	0	0	1.0
	6	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	0	0	0	0	0	<u>.</u>	0	20
	တ	0	0	0	0	0	0	1.0	2.5	0.5	0	0	0	0	0	¢	0	0.5	1,5	2.0	0	0	o	0	0	8.0
	۲.	٥	0	0	0	0	0	0	0	o	0	0	0	0	0	0	٥	0	0	0	0	0	0	¢	0	0.0
	9	0	0	0	0	0	0	0	O	0	0	0	0	0	0	0	0	0	0	0	1.5	23.0	0	0	0	24.5
	v	5.0	0	0	0	0	0	0	0	0	¢	0	0	0	0	O	o	0	0	0	0	0	0	0	0	5.0
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	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	٥	0	0	0	0	0.0
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Table 3 HOURLY RAINFALL RECORD AT IBA, TARLAC (16/16)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 27 28 29 20 10 11 12 13 14 15 15 17 18 19 20 21 22 23 24 25 27 28 29 20 20 20 20 20 20 20 20 20 20 20 20 20	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 25 25 25 25 25 25 25 25 25 25 25 25		£	,				-				-				 					
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Table 4 HOURLY RAINFALL RECORD AT STO. DOMINGO (1/13)

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		22	ò	ó	0	0	0	0	0	0	Ö	0	0	0	Ç	0	0	7.0	0	0	0	0	0	0	0	0	2.0
		23	0	0	0	Ö	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	٥	0
			0	0	0	Ö	Ó	0	٥	0	o	0	0	0	0	0	0	0	0	0	0	0	0	0	0	٥	0
-		22	0	0		0	0	0	0	0	0	0	0		0	S	0.	5	0	0	0	0	0	0	0	0	6.0
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		16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.5	3.0	0.5	0.5	0	0	0	11.5
		15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Day	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13.0	120	3.0	c	0	0	0	28.0
		13	0	0	0.5	7.5	0	0	0	0	0	0	0	21.5	17.5	ر د	50	0	0	0	0	.0	0	0	0	0	48.0
		12	0	1.5	2.5	20	10.0	4.0						0													42.5
		11	9.0	3.0	6.5	9.0	2.5	2	200	0	٥	0	0	0.5	20	3.5	0	50	22	3.5	20	23	0	0	0	0	52.0
		10 1	8.0	0.0	25	2.5	0.6	8.0	7.0	0.4	3.5	2.5	3,5	3.0	40	. 50	7.5	0.9	25	3.5	1.0	0.5	1.0	0	1.0	0.5	151.5
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Table 4 HOURLY RAINFALL RECORD AT STO. DOMINGO (2/13)

Month: OCTOBER, 1989

	28 29 30 31	0 0	0	0	0	0	0	0	0	0	0	0	0	0	ó	0	0 0 0	0	0	0	0	0	0	0	0 0	
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jas		2	7.	2-3	4	2.	δ.	6-7	8,	6-8	۲ 10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18.19	19-20	20-21	21-22	22.23	23-24	

Table 4 HOURLY RAINFALL RECORD AT STO. DOMINGO (3/13)

Month: NOVEMBER, 1989

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	28																:							_		
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	38	٥	0	0	0	0	0	0	0	0	0	0	0	0	0	O	0	0	0	0	0	0	0	¢	0	0
	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	O	0	0	0	0	0
	\$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	ပ	0	0	o	0	Ģ	0
	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Φ	0	0	٥
	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	21	0	0	0	0	0	0	0	0	Ö	0	0	0	0	0	0	0	0	0	o	Ö	0	0	0	0	0
	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	19. 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	¢	ó	0	0	0	0	0	0	0	0	0
	18	0	0	o	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	٥	Ö	0	0	0	0
	17 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	16 1	0	0	0	0	0	0	0	0	0	o	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 1	0		0	0	0	0	0	0	¢	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0
Day	4	0	0	0	0	0	0		0	¢	0	0	0	0	0	o	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	o	0	٥	0	0
	13	0	0	c	0	0	0	0	0	0	O	0			0	0	0	0	0	0	0	0	0	0	0	0
	12	٥	0	0	Ö	o'	0	.0		0	0		0		0	0	0	0	0	0	0	0	0	0	0	0
	11																		: .				0		0	0
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	o,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	•	0	0	0	0	0	0
	œ	0	ల	0	0	0	Ó	0	0	0	0	0	o	0	0	0	0	0	0	0	0	0	0	0	0	0
	7	0	0	0	0	0	0	0	0	0	0	0	Ö	0	0	0	0	0	0	0	Ó	0	0	0	0	0
	9	٥	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	22	0	0	0	0	0	٥	Ó	0	0	0	٥	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4	٥	0	0	0	0	0	0	0	0	0	0	0	0	Φ	o	0	0	0	0	0	0	0	0	0	0
	,	٥	0	0	c	0	0	ó	0	0	0	0	0	0		0	•	0	0	0	0	0	0	0	0	0
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T.		3	1.5	2-3	4	4-5 7-5	ý	6-7	3.0	6-8	9.10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	ខ្ល	23-24	Total

Table 4 HOURLY RAINFALL RECORD AT STO. DOMINGO (4/13)

	29 30			
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Table 4 HOURLY RAINFALL RECORD AT STO. DOMINGO, (5/13)

Month: JANUARY - MAY, 1990

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	용		0
	29	유· 발 .	0
	28	(1) (1) (2) (3) (3) (3) (4) (4) (5) (6) (7) (7) (7) (7) (7) (7) (7) (7) (7) (7	0
,	12	18:00 / 00 A.M 00 A.M 00 ED DU 00 ETT 18:00 PE 18:00 PE	0
	82	1990 (2008) (1008) (0
	×	FROM MAY 21, 1990 (18:00 A.M.) THE RAHT GALIGE HAS NO RAINFALL RECORDED DUE TO RAINFALL RECORDED PUE TO FINE RECORDING PEN WAS MOVER FROM ITS NORMAL POSITION CAUSED BY THROWING OF STONE DONE BY UNDENTIFIED PERSON.	0
	22	COM M O MAY THE RA THE RA THE REFE COM II	٥
	23	E F L W L E C Q	0
	22 22	Q	0
		000000000000000000	11
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Day	ä		•
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	12	O RECORD GATHERED FROM 18, 1990 BECAUSE OF DN (ON MEJER UP) OF THE	
	Ę	NET I METI	_
	2	_ 4	_
	σ	RAIN GAUGE NO. 3 HAS NO JANUARY 1990 UP TO MAY THE REPAIR AND EXTENSIO PERIMETER FENCE	
	60	23 H C C C C C C C C C C C C C C C C C C	
	7	CGE N. N. N. N. N. N. N. N. N. N. N. N. N.	
	v	N GAL NEPA METE	
	ν.	RAIL JAN PER	0
	4	NOTE	0
	m		0
	7		0
	1		0
<u>1</u>		2,2,2,4,2,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,	Total

Table 4 HOURLY RAINFALL RECORD AT STO. DOMINGO (6/13)

Month: MAY , 1990

			1																								
		31	٠.	٠	1	1	'	1	•		٠	•	٠	•	•	٠	•	•	•	•	•	•	•			•	-
		93	٥	0	0	0												•									0
		62	٥	0	•	•	0	0	٥	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	O
		83	1.0	٥	0	0	0.5	٥	C	50	0.5	0	0	ය	1.5	0.5	0	0	Ö	0	50	0	0	0	0	0	5.0
		12	0	0	0	,	0	0	0	0	0	0	0	7	9	O	4	3.0	9	7	4.0	8.0	12.5	120	7.5	3.5	60.0
		38		٠,				0																			٥
	; .	ช	0	0	0	0	0	0	٥	0	0	0	0	0	Φ.	0	0	0	0	0	0	30	7	11.0	0.1	20	17.0
		8	.0	0	0	-	-	0	0	0	1.0	1.5	6.0	0.5	0	0	0	0	9.0	0	0	٥	0	0	0	0	16.0
		æ	3.0	0	Ö	0.5	2	0	0	0	0.1	0	1.5	0	9	7.0	3.5	5.0	25	5.0	S	25	15	25	20	0	35.5
		22	20.02	22	6.5	11.0	27.0	17.0	10.0	150	3,5	3.5	5.5	7.5	ð,	6,0	7.5	5.0	2	3.0	8.5	30	9	16.5	35	25	213.5
		21	0	0	0	0	0	2,5	2	50	1.5	0	0	0	0	0.5	0.5	4.5	6.0	10.0	19.0	0.0	10.0	27.0	11.0	8.0	113.5
		8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	δ,	2	S	0	0	0	0	0	8.0
		19	0	0	0	0	0	0	0	0	0	o	0	0	0	0	0	0	0	5.5	0	0	0	0	0	0	5.5
		82		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	ò	0	0	0
	İ	92	0	0	0	0	0	9	0	0.5	0	0	0	0	0	0	0	0	0	0	0	٥	0	0	0	0	50
		15	0	0	0	0	o	Ö	20.5	54.7	8,0	0.5	50	0	0	1.5	3.0	1.0	0.5	0	2	35.	0	0	0	0	95.2
-	Day	14	0	0	0	0	0	0	0	0	0	0	0	0	0	C	0	0	0	9	0	o	0	0		٥	1.0
1	1	13	0	0	0	0	0	o	0	0	0	0	0	0	0	0	0	. 0.9	0	0	: 0	0	0	0	0	0	6.0
		12 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	15	5.0	0	0	0	7.0
			0	00	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		10 11	0	0	0	0	٥	0	с С	0	0	0	0	0	0	0	O	0	0	0	\$5	0	0	0	0	 0	8.5
			0	0	0	0	0	0	0	Φ	0	0	0	0	0	0	0		0		0	0	0	0	0	0	0
		6	0	0	0	0	0	0	0	0	0	0	Q	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		œ	0	0	0	0	0				0		0	0	0	0	٥		0.	0	Ŋ	٧ı	0		0	0	5.0
		7					٠,																				7.0
		Ý							-	:																	0.0
		νn											•			1					:						
		4						٥											÷	,							0.5
		ë						0																			5.5
		~	5.0	1.0	Ó	0.5	0	0	٥	0	0	0	0	0	9	0	50	0.5	0	0	0	0	٥	0	0	0	3.0
			0	0	0	0	٥	0	0	0	0	0	٥	0	0	5.0	12.5	15	2.0	5.0	2	5	6.0	5.5	1.5	3	42.5
	Time		13	1-2	2.3	4	24	ų,	Ç,	90	6-8	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20:21	21-22	22-23	23-24	Total

the 4 HOURLY RAINFALL RECORD AT STO. DOMINGO (7/13)

	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	٥
	53	0	0	0	0	Ö	0	0	0	0	0	0	0	0	Ó	0	0	٥	0	0	0	0	0	0	0	0
	83	Ö.	Ö	Ö	0	50	Ó	Ö	50	0.5	٥	0	0	1.5	50	٥	0	0	0	9	0	0	0	0	0	5.0
	27	¢	0	٥	0	0	0	0	o	0	0	0	2.5	50	0	4.5	3.0	50	1.5	4.0	8.0	12.5	12.0	7.5	3.5	0.08
	92	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	O	0	0	0	٥	0
	ĸ	٥	Ö	0	Ġ	0	0	0	0	0	0	0	0	0	0	c	0	0	0	0	3.0	51	11.0	2:	0.5	17.0
	24	٥	0	0		_	0	0	0	0.	Ŋ	6.0	5,0	0	0	0	0	6.0	0	0	0	0	0	0	0	16.0
	23	3.0	٥	0	50	1,0	0	0	0	1,0	0	1.5	0	1.0	7.0	3.5	2.0	2.5	50	50	2.5	1.5	2.5	0.5	0	35.5
	23	20.0	25	6.5	11.0	27.0	17.0	10.0	120	3.5	3.5	5.5	7.5	6.5	6.0	7.5	2.0	2.5	3.0	8.5	3.0	0.9	16.5	3,5	2.5	213.5
1:	21	٥	0	0	0	0	25	25	0.5	.J	0	0	O	0	0.5	5.0	4 ک	9	10.0	0.61	10.0	10.0	27.0	11.0	8.0	113.5
	20	0	0	0	0	0	0	0	0	0	0	0	0	٥	0	0	0	6.5	0.1	50	0	٥	٥	0	O	8.0
	19	0	0	0	0	0	0	0	o	0	Ö	0	0	0	0	0	0	0	5.5	0	0	0	0	0	o	5.5
	18	0	0	o	0		Ö	0	¢	Ö	· •	0	0	0	0	0	0	0	٥	0	0	0	0	0	0	a
	17	0	0	0	0	0	0	0	0	٥	0	0	0	0	0	o	0	0	0	0	0	0	0	0	Ö	a
	16	0	Ó	0	0	0	0	Ö	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	٥	2
	15	Ö	o	0	0	0	0	20.5	54.7	8.0	0.5	0.5	0	0	5.5	3.0	0.1	0.5	0	<u>.</u>	3.5	0	0	0	0	95.2
ρg	4	0	0	Ö	0	0	0	Ö	0	0	9	0	0	0	¢	0	0	0	0:	0	0	0	0	0	0	1.0
	13.	0	0	0	0	0	0	0	Ġ	0	0	o	0	0	0	0	6.0	0	0	0	0	0	O	0	0	6.0
	12	٥	0	0	0	0	0	0	0	0	0	0	Φ	0	0	0	0	0	0	5	?	5.0	0	0	0	7.0
	11	٥	0	0	0	0	0	ပ	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	۵
	01	0	0	0	0	0	0	ó	0	0	0	0	0	0	0	Q	0	0	0	8.5	0	0	0	0	0	8.5
	σ.	0	0	0	•	0	0	0	ø,	Ö	0	0	0	0	¢	0	0	0	0	Ö	0	0	0	0	0	۵
	∞	0	0	٥	0	0	0	0	0	0	Ç	0	0	0	0	0	0	0	0	0	0	0	٥	0	c	0
	7	0	0	٥	0	0	0	¢	Ö	0	0	0	0	0	0	0	0	0	0	2.5	1.5	0	0	0	0	5.0
	9	0	0	Ö	0	0	0	0	Ö	0	0	0	0	Ö	O	0.5	0.5	20	0	2.5	en	0 5	0	0	0	7.0
	5	0	٥	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	C	O	0.0
	4	0	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	٥	Ģ	0	0	0	0.5
	3	0	0	0	0	0	0	٥	Ġ	0	0	0	0	0	0	0	0	0	2.0	0	3.5	0	0	0	0	5.5
	2	0.5	1.0	0	50	0	0	0	0	Ö	0	0	0	0	0	0.5	0.5	0	0	0	0	0	0	0	0	3.0
	-	0	0	0	Ö	0	0	0	0	0	0	0	0	0	5.0	12.5	15	50	5.0	50	0.5	6.0	5,	5	0.	42.5
	<u>.</u>	7	7	9	Ţ	ž.	Ý	7.	*	6	22	=	:	13	77	ZJ	16	11	18	19	ន	21	Я	ผ	াই	~
	=	0	-	N	m	4	'n	Φ	-		ď	슼	ij	2	Ę	7	Ϋ́	쏫	12	18	6	8	7	8	23-24	Total

Table 4 HOURLY RAINFALL RECORD AT STO. DOMINGO (8/13)

Month: JULY, 1990

	31	١,		,	,		,					•	•			•	•		•		1	,	•	•	•	
	ક્ષ	0	0	0	0	0	0	0	0	0.5	0	0	0	0	0	0	0	0	3.0	3.0	0	0	0	0	0	જ
	53	0	20	9	1.0	0	0	٥	0	o	0.5	0.5	0	0	Ö	13.0	4.0	Φ	0	0	0	0	0	0	Φ	20
	. 28	0	0	0	0	0	0.5	0.1	0	0	0	0	1.0	\$5	0	16.0	11.5	0.1	9	0.0	6.0	5.5	0.1	0	0	58.5
	2 12	0.5	0	0	1.0	Ð	0.5	0	0	0	0	0	0	ó	Φ	0.5	6.0	16.0	50	0.5	50	20	٥	0	0	28.5
	; %	1.5	0.5	0	0	0	0	0	0	0	Ф	0	. 50	55	56	ž	0.5	52	1.0	3.5	0.	1.0	٥	0	0	25.5
	25 2	0	20	0.5	95	0	٥	٥	0	0.7	15	o	0	0	0	50	0	٥	0	0	Q 5,5	0	0	: O	0	6.5
		0	0	0	O	0	0	٥	0	0	0	0	0	0	1.0	0	3.0	0.1	20	5	0	5.0	1.0	0.5	0	30.5
	3 24	į										o					• •									0.1
	2 23	0	0	0	Ç.	0	0	0	O	0	0	0	0	0		Ģ	0	5.0	0	0	ó	0	0	0	0	5.0
	77									-		0														10.5
	12 21											0														1.0
	20	0	0	0	0	0	0	0	0	0	0	0		0	0	٥	0	3.5	0	5.0	Ö	0	0	0	٥	14.0
	19	0								٠.		0														14.0
	18		-									0						-				•				10.5
	5 17	Ö	0	0	0	0	o	0	0	Q	0	0		٥	0	٥	0	0	0	0	0	0	0	0	0	0.0
	91 ;	0	0	0	0	0	0	0	0	0	0	0	•	0	0	0	0	0	0	. 50	0	0	0	0	0	0.5
Day	15	0	0	0		0	0	0	0	0	0	0		0	0		0	0	o	0	0	0	0	0	0	0.0
ı	7.	0	0	0		0	0	0	0	0	0	0	ö	0	0	0	0	Ö	0	0	0	0	0	0	5.0	20
	13	.0	0	0	0	0	0	0	0	0	0	0	0	0	0	Φ.	.0	0	0	0	٥	1.0	Į.	٥	0	22
	12	0	0	0	0	.0	0	0	0	0	0	0	0	0	0	0	3.0	2	20	0	0	0	0	0	0	5.0
	11	0	0	0	0	0	Ф	0	0	ø	0	0	0	٥		5.0	0	0	0	0	0	0	0	0	0	0.5
	61	Ģ	0	0	0	0	O	0	50	0.0	0	0	O	0	0	01	0.5	25	25	0.5	0	0	0	0	0	14.0
	6											0														87.5
	с с											0	:				Ō									10.0
	7											0														2.0 1
	٧									,		0				•									. "	1.5
	\$											•			-										0	0.0
	4											0			-										·	11.0
	3											0						1							: , '	2.0 1
	2											0	-		į						÷					10.0
-	1								ř								. :	j.		_	٠,	٠			:	=
Į.		2	1-2	2-3	4	45	8	6	7.8	8-9	410	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	27-52	25.23	23-24	Total

Table 4 HOURLY RAINFALL RECORD AT STO. DOMINGO (9/13)

Month: AUGUST, 1990

	31	0	5.5	٥	0	Φ	0	0	0	0	0	0	0	0	0	0	1.0	0	0	0	0	0	0.5	145	8	41.5
	ଝ	5.0	3.5	0	0	0	0.5	0	0	0	0	0	٥	0	0	5.0	20	0	0	0	0	0	Ö	0	٥	9.5
	29	٥	0	0	0	0	0	O	0	0	0	0	0.5	0.5	0	0	0	0	0	0	0.5	0	0	0	20	3.5
	38	0	0	0.5	0	0	40	3.5	9	50	0	0	0	3.5	13.5	٥	٥	0	0	0	50	0.5	90	35	0	6.7
	27	8.0	27.0	8.0	5.5	50	0	0	0	0	0	5.0	0.5	0	0	0	0	0	0	0	0	0.5	0.5	0	0	51.0
	32	0	0	٥	0	0	0	0	5	0	20.0	0	4.5	2.0	0.8	18.0	10.5	4 J	3.0	11.0	14.0	6.5	1.0	8.0	9	28.5
	22	07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.0
	\$	0	0	0	0	0	6.5	1.0	0.5	0	0	0	0	65	0	0	0.5	0	3,5	1.5	4.5	0	0	S.	2	14.0
	23	3,0	0.5	0	0	0	0	0	0	3.0	2.5	0	0	4,0	0.5	14.5	2.0	1.5	35	0.5	0	4 د	30	7.	50	45.0
	72	0	0	0	0	0	o	0	0	Φ	0	5	1.0	0	0.5	5.5	0.5	0.5	9	ó	0	0	0	0	0	2.8
	21	0	20	0	c	0	0	0	0	0	97	0	0	6.0	2.0	1.0	0.5	5.	25	0	0	0	0	0	0	13.5
	20	0	0	0	5.5	4.0	٥	0.5	3.5	z	0	0	٥	0	0	0	0	0	0	0	0	0	0	0	0	16.0
	, 61	0	O	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.	0.0
	18	ö	0	O	0	5	11.0	5.0	•	Ġ	20	0	0:1	1.5	25	20	. 51	3.0		50	0.5	15	1.5	0	0	49.5
	17							o					-							٠.						22
	16	0	0	¢	0	0	0	0	0	0	0	0	0	0	0	0	0	O	0	o	÷	20	4.0	0	0	6.0
	15	0	0	0	0	0	¢	0	0	0	0	0	0	0	0	0	0	0	o	20.	0	0	0	5.0	ο,	22
o sk	14	0	0	ö	0	0	0	0	0	Ö	0	0	0	0	0	0	.0	0	4.5	25	5.0	0	3.0	0.5	ο.	15.5
	13 1	٥	0	0	0		0	0	0	Ģ	0	.0	0	0	0	0	0	0	Ö	Ö	0	0	0	0	0	0.0
	12	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
	11	0	0	0		0	0	0	0	0	0	0	0	0	•	0	0	0	o	50	. 52	0	0	0	0	3.0
	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	0	٥.	50
	-	0.5	0	0	0	0	0	0	0	0	¢	Ó	0	0	0	0		0	0	0	0	0	0	0	0	0.5
		0	0	0	0	0	0	.0	0	•	0	0	0	c	0	0	0	0		0	0	0	0		0	0:0
	••	0	0	0	0	0	0	0	0	0	0	0	0	o	0	0	0	0	0	0	15	3.0	٥	٥	0	4.5
	6 7	0	0	c)	0	0	o	0	0	0	0	0	0	0	0	0	· •	0	0	\$	0	0	φ	0	0	0.0
			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0.0
	S	0	0	0	0	0	0	0	0	.0	0	0	0	0	0	0	0	٥	0	0	0	0	0	O	0	0:0
	4	0	0	0	5.	Ş	0	0	0	0	0	0	0.0	0	0	0	0	0	0	0	0	0	٥	•	0,	0.26
	en.			٠.																						7.0
	2	.0	0	0				0																		
					1				` . ·				٠.'			ý	j.	÷	Ξ							17.0
Į.		5	1-2	2-3	4	4	2	6	7.8	& 6-	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-23	25-23	23-24	Total

Table 4 HOURLY RAINFALL RECORD AT STO. DOMINGO (10/13)

Month: SEPTEMBER, 1990

	30	٥	0	0	٥	Ó	O	ဝ	0	0	0	O	0	0	Ö	0	31.0	0	0	0	0	0	0	0	0	31.0
	53	0	0	0	0	0	Q	0	0	0	0	0	0		٥	0	5.0	8.5	0	0.5	0.5	5,0	0	0	0	15.0
	82	0	50	0	0	0	0	0	0	o	O	0	0	Ģ	0	0	0	5.5	0	1.0	0	0	0	0	٥	7.0
	Z 1Z	.0	Ó	0	0	Ö	c	0	0	0	0	0	0	0	O	0	0	9	Z.		95	0	0	0	0	4.5
		0	0	o	0	0	0	0	0	0	0	0	0	0	త	0	0	0		0	©	0	0	٥	٥	0.0
	82	0		Ö	0	0	0	0	0	0	0	٥	0	0	0	Ö	: •	O	0	0		0	¢	0	0	0.0
	য়	0		0	0	0	0	0	0	0	0	0	0	0	0	0	•	0	Ó	0	0	0	Ö	Ö	٥	0.0
	*	0	0	Ö	ō	0	c	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
	23							0				•									٠		0	0	0	0.0
	Z							0														0	٥	0	0	
	21															. '			_	_	_	_	_	_		0.0
***************************************	8							0										_		_:	_	_	_	_		15.0
	61	0	0	0	0	0	0	0	0	0	0	٥	٥	0	0	0	0	0	0	성	S.O	0	•		0	2
	82	.0	¢	0	Ö	0	0	0	o	0	0	0	0	0	٥	0	0	0	0	0	•	0	0	0	0	0.0
	17	0	Ó	0	0	0	0	o`	Ö	Ö	0	0	0	0	0	0	0	0	0	0	0	0	•	0	0	0:0
	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Ö	0	0	0	0	0.0
	15	. 5	5.	0.5	3.5	3	Ŋ	0.5	o	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10.5
Cay	7	o	0	0	0	0	ó	0	0	0	0	0	0	0	0	0	٥	0	20	0	30	4.0	0.5	9.5	0.6	29.0
	13	٥	0	0	o	0	0	0	0	0	0	ó	0	0	0	0	0	0	0	0	0	0	o	0	0	0.0
	12	0	0	0	Ö	0	0	0	0	0	0	÷	•	0	0	φ.	0	0	0	ô		¢	0	0	0	0.0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
***************************************	10 11	0	0	0	0	0	2.5	0.5	0	٥	•	0	o	0	٥	0	0	0	0	0	0	0	0	0	0	3.0
		. 5	0:	5				0				5.5	0	0	0	2.5	2.0	0	0		0	0	0	0	0	29.0
	6	٠.						ō				20	νĵ	٠,	'n	9	.,	٥	0	0	λJ	Q.	Φ.		۰	19.5 2
	∞							5.6									÷							ð.	0	
	7							6																		5 133.5
	Ŷ											٠.			ĺ.					-						5 19.5
	S.							0									•	1							. :	20
	4							0					Ė									٠.				1.0
	m							0																	. :	12.0
	7							0										-								9.0
		11.0	13.5	0	5.0	27.5	21.0	21.5	17.0	5.0	21.0	10.0	<u>‡</u>	20	0	0	0.5	0	0	0	0	0	0	0	•	205.5
9	}	ヹ	3	ģ	ĭ	7	ý	7	. 8-	8-0	 9	7	77	ij	4	'n	-16	17	-18	6	Ŗ	7	នុ	នុ	\$	ন্ম
L	.	3	_	(4	(1)	4	٧٦	•	,~		ላ	ဌ	i	12	13	¥	Ϋ́	16	7	18	4	প্ন	5	Ŕ	Ŕ	Total

Table 4 HOURLY RAINFALL RECORD AT STO. DOMINGO (11/13)

(Vait: mm)

5° 1					3	4	Ś	φ	7	9	o,	9	=	2	22	4	22	9	13	99	9	ន	⊼	12	zz.	×	1.00
Month: OCTOBER, 1999.		-	0	0	0	0	0	٥	0	0	0	0	٥	٥	0	0	0	3.0	0	0	0	0	٥	0	c	0	ç
ZICE		7	0	0	O	0	0	٥	•	0	C	0	Ö	٥	Ö	0	0	0	0	0	0	c	0	0	0	0	ć
ξ, ι _ν		e	0	0	Ö	0	0	0	0	o	0	0	Ö	Ö	O	0	0	0	0	0	0	0	0	٥	0	0	0
g.		4											0						•				0		0	0	0
		5	,			_							0										0	•	0	0	,
		٧											0														2
		7	l* .	٠.	0								Ö					0	0	0	9	0	Ö	0	0	0	(
		89			0			0	0	0	٠,		0					0	0	0	0	0	0	د	0	0	<
:	1	δ						0	0	0			0												0	٥	ć
		10											0														2
		11		,			٠.	,					0								.3						<
		12	0	٥	0	0	0	0	0	Ó	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	<
		ជ	0	0	0	Ó	0	0	2.5	0.5	Ģ	0	0	0	0	0	0	0	0	0	0	50	Ş	ე	2	0	;
	Day	14	Ó	0.5	0.5	0	0	ó	0		0	0	0	0	0	•	0	0	0	0	0	0	٥	<u>o</u>	0	0	
		15											0								Ċ						,
		16	0	0	0	0	0	0	0	Ö	0	0	O	0	0	0	0	0	5	0	0	0	0	0	0	0	4
1.4		17	O	0	0	0	0	0	0	0	0	0	٥	0	0	0	0	0	0.	Ţ	0	0	0	0	0	0	ì
		18	O	0	0	0.1	Ö	1.0	0.5	Ö	ò	0	0	0	٥	0	•	0	0	Φ.	0	0	20	0	20	0.5	
		-61	.0	ö	0	0	Ö	0	0	0	0	0	0	Ο,	0	0	0	0	0	0	0	0	0	0	0	0	
		20	Ö	0	Ö	0	0	0	0	0	0	Ġ	0	0	0	0	0	, 5	0	٥ ک	0.5	1.0	3.0	5	Ö	0	,
		21	0	0	0	Ó	0	٥	0	0	၁	٥	Û	0	٥	0	0	0	0	0	0	0	0	0	0	0	*
i		ដ	٥	o	Ö	0	Ö	0	0	o	0	٥	0	0	0	0	0	0	0.6	6 5	0	0	0	0	0	0	Š
		23	ö	0	٥	0	0	ó	0	0	о	٥	0	•	0	0	0	O	0	0	0	0	0	0	0	0	;
		22	0	0	0	•	0	o	ò	0	0	Ö	o O	0	o	0	0	0	0	0	0	0	0	0	0	o -	
		23	0	0	0	٥	0	٥	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
∋ :		36	0	0	0	٥	0	0	0	0	0	¢	0	0	0	0	0	0	0	0	0	0	0	0	0	0	į
(Opt: pp		12	0	0	0	0	0	٥	a	C	0	O	0	0	0	0	0	0	0	¢	0	0	0	0	0	0	,
1)		8	0	0	0	ò	0	ö	Ó	Ó	٥	0	0	0	0	0	ó	0	0	0	0	٥	0	0	0	ø	
		29	0	0	0	0	0	0	0	0	Ö	0	0	0	0	0	0	ó	5.5	0	0	0	0	O	0	0	,
		33	٥	0	0	0	Ö	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Φ	0	0	

Table 4 HOURLY RAINFALL RECORD AT STO. DOMINGO (12/13)

Month: NOVEMBER, 1990

		6.1	1-5	2.3	4	4-5	8 9	5	7-8	6-8	9.10	10-11	11-12	12-13	13-14	14 51	15-16	16-17	17-18	18-19	19-20	8	27-72	ឧ	23-24	Total
	ş-t.	0	0	0	0	0	0	0	0	0	0	٥	0	0	0	0	0	0	0	0	0	0	٥	0	0	0.0
	2	0	0	0	0	0	0	•	φ	Ģ	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	•	0	0	0	0.0
	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0.0
	Ŋ	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	٥	0	0	0	0	0.0
	v	٥	0	0	٥	0	0	o	0	0	0	0	0	0	0	0	٥	0	0	0	0	<u>ه</u>	٥	0	ò	0.0
	7	٥	٥	0	0	Q.	0	0	0	0	0	0	0	0	.	0	0	0	0	25	1.5	0	0	0	0.5	4.5
	∞	o	0	0	0	0	0	0	0	0	0.5	0	0	0	0	0	Ö	0	0	0	0	0	0	0	0	0.5
	٥,	0	o	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
	5	0	0	0	0	0	0	0	0	0	0	0	0	0	•	0		0	0	0	0	0	0	Ö	0	0.0
	11	0	0	0	Ö	0	0	0	¢	O,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
	12	0	0	0	0	0	0	0	0	0	o	0	0	0	Ö	0	0	0	0	0	0	0	0	0	0	0.0
	13	٥	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	50	0	20	0	3.0
Day	14	0	0	0	0	0	0	0	0	0:	0	0	0	0	0	0	0	٥	0	0	0	0	Φ,	0	0	1.0
	15	9	0	0	0	0	0	•	0	0	0	0	Ģ	0	2.5	o	0	0	0	0	0	0	٥	0	o:	2.5
	16	0	0	0	ö	0	0	0	0	0	0	0	0	0	: •	0	0	0	0	0	o	O	0	0	٥	0.0
	17 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	٥	Φ	0	0.0
	18 1	٥	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		Ö	0	0	0	0.0
	2 6					0							:							٠,						0.0
	20 21	2.0	0	0	0	0	0	0	0	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1
	1 22	0	٥	0	0	0	٥	a	0	0	0	0	0	0	Ö	0	0	0	0	0	0	0	0	0	o	0.0
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Ď 4 Month: DECEMBER, 1990

(Unit: mm)

Table 4 HOURLY RAINFALL RECORD AT STO. DOMINGO (13/13)

8

TABLE 5 HOURLY WATER LEVEL RECORD AT SINOCALAN (1/15)

Month: October, 1989

(Cnit: m)

	26 27 28,	891	8	8	1.08	1.09	8	109	8	87	1.08	88	1.0%	1.14 1.07 1.04	1.07	1.03	1.07	1.07	1.07	1.07	1.07	1.06	1.08	1.08	1.05	1.13 1.08 1.03	· 	
	N 2	-		•				•						13									•			1.22		
	¥.	1.41	1.46	1.39	1.39	1.38	1.38	1.38	1.38	1.37	1.37	1.37	7.38	1.35	7,	1.33	1.32	1.31	1.31	1.30	1.29	1.28	127	25.	1.26	8	į	
	g	1.58	1.57	156	155	154	Ÿ	1.53	1.53	1.52	151	50	1.49	1.48	1.47	1.47	1.46	1.45	7.	4	4	1.43	1.42	1.42	1.41	1.49		
	ឧ	83	1,88	1.83	28.	%	1.83	8	38	1.79	1:7	1.76	1.74	1.73	1.71	1.70	1.69	.68	1.67	9 8	1.65	1.63	1.62	3	59	1,74	:	
	12	2.54	2.5	246	241	2.37	73	231	2.28	2.26	7.73	221	2.18	2,16	2.14	2.12	6	708	\$ 7	28	2.0	.38	8	ģ	23	2.19		
	ឧ	,			,	į			,			•	•	,:		3,23	3.16	3.07	0.0	28	2.8	2.77	2.71	2,65	2.59	2.89	!	
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	18	,	•	•			,	: •	•			•	i	•			•		. •	٠,	•	•	•	٠	•	٠		
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	ដ		•	•	•	ŧ.	'n	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	٠	•	•			
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	zic	,	٠		•	•	•	٠	*	٠	•		•	•	•	٠		•		•		•	•	•		٠		
	7		•	•	•	•	•	•	•	•	:	ì	. :	•	•	•	•	٠	•	1	٠	. •	•	٠	•		. :	l
	٥		•	٠	•	•	ì	,	٠.	•	•	•	•			٠	•	1	•	•	•	•	٠	,	•	١,		
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TABLE 5 HOURLY WATER LEVEL RECORD AT SINOCALAN (2/15)

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TABLE 5 HOURLY WATER LEVEL RECORD AT SINOCALAN (3/15)

(Veit: m)

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TABLE 5 HOURLY WATER LEVEL RECORD AT SINOCALAN (4/15)

(Unit: 13)

	31	2000 2000 2000 2000 2000 2000 2000 200	2222	67.0 67.0 67.0 67.0 67.0 67.0 67.0 67.0	6.73
	ଛ	0.67	0.67	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	69.0
	য়	888888888	8888	000000000000000000000000000000000000000	0.69
	শ্ব	22000 2200 2200 2200 200 200 200 200 20	27002	0.72 0.72 0.73 0.69 0.68 0.68 0.68 0.68 0.68	0.70
	12	22222	0.000	0.70 0.72 0.73 0.73 0.74 0.75 0.75 0.75 0.75 0.75	0.70
	8	8888888	2000 2000 2000 2000 2000 2000 2000 200	222222222222	0.63
	ผ	0.61	50000	665 665 665 665 665 665 665 665 665 665	0.62
:	8	2000 2000 2000 2000 2000 2000 2000 200	8899	0.651 0.651	0.62
	ន	800 800 800 800 800 800 800 800 800 800	0.00 88.88 88.88	3333333333333	0.65
: .	27	22222 22222	2222	22222222222	0.64
	17	000000000000000000000000000000000000000	0.69	6668888888888	98
	ล	8888888	0.68	000 000 000 000 000 000 000 000 000 00	19.0
/ay	61	47.0 47.0 47.0 47.0 7.0 7.0 7.0	0.73 0.73 0.73	0.73 0.72 0.72 0.70 0.70 0.68 0.68 0.68 0.68	0.71
-1	18	0.85 0.85 0.85 0.85 0.85 0.85 0.85	28.00.82	0.81 0.80 0.79 0.79 0.78 0.77 0.76 0.75	0.81
	11	222222	2000	22222222222	23.
	91	007 007 007 007 007	2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	92.0
	IJ	1000000	0.70	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.70
	4	200000 2000000000000000000000000000000	22.00	0.72 0.72 0.72 0.72 0.72 0.72 0.72 0.72	0.72
	13	555555	07.0	0.70 0.71 0.72 0.73 0.75 0.75 0.75	0.72
	77	550000 5500 5500 5500 5500 5500 5500 5	22442	2222222222	0.73
	Π	555555	0.00	20000000000000000000000000000000000000	0.72
	10	8888888	2000	0.000000000000000000000000000000000000	0.70
	6	0072 072 072 073 073	072 072 072 072	0.000 0.000	0.71
	to.	0.74 0.74 0.74 0.74	20000	2222222222222	0.73
	7	0.00 0.75 0.75 0.75 0.75	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	25 25 25 25 25 25 25 25 25 25 25 25 25 2	0.75
	9	87.0 87.0 87.0 87.0 87.0	2000 8700 8788 8788		0.7
	5	0.83 0.83 0.83 0.83 0.83 0.83	0.81	0.030 0.030 0.030 0.030 0.030 0.030 0.030	0.81
i.,	4	222222	0.83	8333333355555	0.83
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TABLE 5 HOURLY WATER LEVEL RECORD AT SINOCALAN (5/15)

Month: February, 1990

(Unit:m)

150 850 150 850 850 850 850
400
20.00

TABLE 5 HOURLY WATER LEVEL RECORD AT SINOCALAN (6/15)

Month: March, 1990

	35	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52
	8	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.53
	83	550	Ş	950	3	9,50	9	9 8	\$	0.54	0. 54	0 \$	0 4	9,54	0.53	0.53	0.53	0.53	053	0.53	053	0,53	0.53	0.53	0.53	45.
	25	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.54	25	2,0	0 24	950	0.55	0.55	0.55	0.55
	IJ	0.59	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.57	0.57	0.57	0.57	0.57	0.55	0.58
	38	9.0	0.59	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.57	0.57	0,57	0.59	9.0	9.0	9.0	9.6	0.58
	ผ	0.65	.69	0.65	0.65	0.64	9.0	25.0	0.63	0.63	0.63	0.63	0.63	0.63	0.63	69.0	0.63	0.63	0.63	0.63	0.63	0.62	0.62	0.61	9.0	0.63
	22	29.0	0.67	0.67	0.67	0.67	99.0	9,0	99,0	99.0	9.6	99,0	59'0	59.0	0.65	0.65	0.65	0,65	0.65	0.65	0,65	0.65	0.65	9.65	0.65	99:0
	ន	990	%	99.0	99.0	99.0	99.0	990	990	99.0	8	80	990	9.69	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	29.0	19.0	0.67	99.0
:	a	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.62	0.62	0.63	0.63	0.63	9.	0.65	9.65	99.0	9	8	99.0	99.0	99'0	0.63
	21	0.61	0.61	0.61	19.0	0.61	0.61	0.61	0.61	0.61	0.61	0.62	0.62	0.63	0.63	26.0	0.65	9.65	99.	990	0.66	99.0	9.0	99.0	0.66	0.63
	৪	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61
аy	67	0.51	19.0	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.62	0.62	0.62	0.61	0.61	0.61	0.61	0.61	0.62
<u> </u>	18	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0,61	0.61
	17	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
	92	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	79.0	0.62	0.62	0.62	0.62	0,62	0.62	0.62	0.62	0.62	0.62
	2 3	0.62	0,62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0,62	0.62	0.62	79.0	0.62	0.62	0,62	0.62	0.62	0.62	0.62
	2	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0,62	0.62	0.62	0,62	0.62	0.62	0.62	0.62
	ដ	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
	12	0.63	0.63	0.63	6,63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.62	0.62	0.62	0.63
	Ï,	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63
	2	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.63	0,63	0.63	0.63	0.63	0.63	0.63	0.63	0.62
	6	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0,62	0.62	0.62	0.62
	લ્ડ	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	19.0	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.62	0.62	0.62	0.62	0.61
	7	0.61	0.61	0.61	0.61	19.0	0.61	0.61	0:61	0.61	0.61	0.61	19.0	0.61	0.61	0.61	0.61	19.0	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61
	9	9.0	9.0	90	9.0	9.0	00	9.0	9.0	9.0	9.0	0.61	0.61	0.61	0.63	0.61	0.61	0.61	0.61	0.63	0.61	0.61	0.61	0.61	0.61	0.58
	S	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	90	9.0	9.0	9.0	9.0	90	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	0.60
:	4	0.59	650	0.59	9.0	9.0	9.0	9.0	9.0	90	9.0	9.0	9.0	9.0	90	9.0	90	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	0.50
	60	0.58	950	.350	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.59	650	650	0.59	650	650	0.59	وي و	0.59	950	0.59	65.0	0.59
	ŔΪ	0.57	0.57	0.57	0.57	0.57	0.57	150	150	0.57	0.57	0.57	0.57	0.57	0.57	0.58	0.58	0.58	0.58	0.58	350	0.58	0.58	0.58	0.58	0.57
	1	950	٠.										- :				:									0.57
,		ŀ						Ė.					11											_	24:00	Average
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TABLE 5 HOURLY WATER LEVEL RECORD AT SINOCALAN (7/15)

Month: April, 1990

	S	0.42	0 42	042	0.42	0.42	0.42	0.42	0.42	041	6.43	0.41	0.41	0.41	0.41	0.41	0.41	0.47	0.41	0.41	0.41	0.41	0,41	0.41
	প্ন	0.42	0 0	0.42	0.42	0.42	0.42	0.45	0 45	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.45	0.42	0.42	0.42	0.42	0.42	0.42
	83	0.43	0.43	0.43	0.43	0,43	0.43	0.43	0.43	0.42	0.42	0.42	0.42	0,41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.42
	72	0.43	5.45 5.45 5.45	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
	7 8	0.43	5 th	0.43	0,43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0,43	0.43
	Ы	44	4 4	4	4.0	4	4.0	4.	4	24	4.0	4.0	4	4	4	4	4.	4.	4.0	0.44	24	0.43	0.43	0.44
	z	4 4	4 4	0.44	24.0	4,0	4.0	44.0	0.04	97.0	0.44	24,0	4	24	0.44	44	4	4,0	9 4	9. 1.	4	4	0.44	0.44
	23	750	0.47	0.47	0.47	0.46	0,46	0.46	0.46	0,46	0.46	970	0.46	94.0	0.46	9.46	0,46	0,46	0.46	0.45	9. 4.	44.0	4	0.46
	22	0.49		0.49	0,49	0.49	0.49	84.0	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.47	0.47	0.47	0.47	0.48
	21	0.52	0.52	0.52	0.51	0.51	0.51	0.51	20	0.5	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	670	0.49	0.50
١.,	ส	0.52 0.52 0.53	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52
Day	:	0.53 0.53	5,5	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52
Δ	82	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.52	0.52	0.52	0.53	0.53	0.53	0.53	0.53
	17	ន្ទន	, E	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53
	91	0.53 0.53 5.53	3 5	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53
	15	85.0 85.0	250	0.57	0.57	0.57	0.57	2,0	0.54	0.54	0.54	0.54	0.54	0, \$	2,7	0.54	0 2	4	0.54	, ,	0 X	0.5	0.S	0.55
	4	90	9 9	9.0	9.0	9.0	9.0	9.0	9.0	90	9.6	9.0	9.0	9.0	90	90	9.0	9.0	9.0	9.0	90	0.59	0.59	0.60
	13	0.6	900	9.0	9,0	9.0	0.6	9.0	9.0	0.61	0.61	0.63	19.0	19.0	0.61	0.61	0.61	0.61	0.61	0.63	0.61	0.61	0.61	0.61
:	12	25.0	0.56	0.57	0.58	0.58	0.59	0.59	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9'0	9.0	9.0	9.0	0.59	0.59	0.59	0.59	0.59
**	=	657	0.57	0.57	0.57	0.57	0.56	0.55	0.55	0.55	0.55	0.55	45.0	0.5 4	о Х	0.54	о Х	4	4	4	ž	4	0.55	0.55
	91	950	950	0.58	0.58	0.58	0.59	0.59	650	0.59	0.59	650	0.58	0.58	0.58	0.58	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.58
	0	0.53	053	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.55	0.57	0.53	050	9.0	9.0	0.59	0.55
	80	954	3 2	0.54	0.54	0.54	2, 4,	0.54	0.55	0.55	0.55	0.55	0.55	0.54	25	0.54	0.53	0.53	0.53	0.53	0.53	0.53	0.53	55
	7	3,75	2,7	0.54	4	о 4	4	3	0.54	3	2	4	4	5	3,0	2	0.53	0.53	0.53	0.53	0.53	0.53	0.53	25.0
	ō.	25	, y	0.54	4	45,	4	45.0	3	2	0.53	0.53	0.53	S.	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53
	م.	250	9 5	0.55	0.55	0.55	955	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	055	0 2	0 5 4	0.54	0.55
	4	44	3 5	0.55	0.55	0.55	0.56	0.56	0.56	0.56	0.56	0.57	0.57	5	0.57	0.57	0.56	0.56	9 9 9	25	0.56	0.56	0.56	920
ļ .	en .	0.56	5 5 5	0.54	0.54	0.58	0.58	0.58	0.58	0.57	0.57	0.57	0.56	0.56	0.55	0.55	0.54	0.54	0.53	0.53	0.53	0.53	0.53	956
	ત	222	4 3	0.54	0.54	4	3,	0.5 27	\$	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
1	1	ភូ <i>ភូ</i>	S E	0.52	0.52	0.53	0 53	0.53	0.53	0.53	5,0	Š	4	ş	9,5	S S	25.0	7	4	Ş	25	2,0	25	953
		500	8	200	8:00	2,00	800	8	10:00	8	12.00	13:00	14:00	15:00	16:00	17.00	28:00	19:00	89	23:58	8	8	8	Average

TABLE 5 HOURLY WATER LEVEL RECORD AT SINOCALAN (8/15)

																		Day								1				1
Time				-	-	-		-					1				1		-											
		63	е,	4	٧n		7	∞. ∞	6	1	11 E	12 13	3 14	51 15	91 9	17	82	10	न्न	21	27	ន	8	KJ.	92	12	প্ৰ	53	æ	31
	0.41	0.41	0.41	0.41	0.41	0.41	4.	0.4		_				-	_		_		Ŭ	_	0.40	Ĭ	9,70	0.47	0.45	0.47	0.58	6.75	0.7	0.58
	0.41	0.41	0.41	0.41	0.41	0.41	4.0			_				Ĭ	_	_			~	_		Ĭ	0.46	0.47	0.45	0.47	0.59	0.75	0.7	0.57
	0.41	0.41	0.41	0.41	0.41	0.41	0.4			_				_	_	•			_	_		Ť	0.46	0.47	0.45	0.47	0.59	0.75	0.69	0.57
	0.41	0.41	0.41	0.41	0.41	0.41	0.4							_	_	_			_	-		_	0.46	0.47	0.45	0.47	9,0	0.75	0.68	0.57
	0.41	0.41	0.41	0.41	0.41	0.41	0.4							_	_	_			_	_		_	9.46	0.47	0.45	0.47	0.61	0.75	88	0.57
٠.	0.41	0.41	0.41	0.41	0.41	0.41	0.4					1		_	_	_			_	_	Ţ	Ū	0.46	0.47	0.45	0.47	0.61	0.75	9.0	0.57
	041	0.41	0.41	0.41	0.41	0.41	40						•	_	_	_			_	_	_	_	9.46	0.47	0.45	0.48	0.62	0.75	0.67	95,0
	0.41	0.41	0.41	0.41	0.41	0.41	4.0		٠.					_		_			_	_	_	_	0.46	0.47	0.45	9.48	0.62	0.75	0.67	95.0
	0.41	0.41	0.41	0.41	0.41	6.4	0.4							_	Ī	_			_	_	_	_	64.0	0.47	0.45	0.48	0.63	97.0	99.0	95
	0.41	0.41	0.41	0.41	0.41	4.0	4.0			Ξ.				Ĭ	_	_			_	Τ.	_	_	0.47	0.47	0.46	0.48	0.63	0.76	99.0	95.0
	0.41	0.41	0.41	0.41	0.41	9	0.4						_	_	_	Ξ.		_	~			_	0.47	0.47	0.46	0.48	20.0	0.77	0.65	950
	9	0.41	0.41	0.41	0.41	40	4.0			-			_	•	_			J	_	_	-	Ť	0.47	0.47	0.46	0.48	20.0	0.77	90	0.56
	041	0.41	0.41	0.41	0.41	0.4	0,4		_				_	Ŭ	Ţ	_		•	~	_	_	_	0.47	0.47	0.46	0.49	99.0	077	0.65	95
	0.41	0.41	0.41	0.41	0.41	70	0.4		_	-			_	_	_	-		Ÿ		_	_	_	0.47	0.47	0.46	0.61	0.67	0.77	8	0.56
_	041	0.41	0.41	0.41	0.41	0.4	4.0		_	_			_	Ī	_	_		~	_		_	_	0.47	0.47	94.0	0.61	9.68	0.77	0 2	9.0
,_	0.41	0.41	0.41	0.41	0.41	4.0	4.0		_		ė.		_	_	Ţ	_		_	_	-	_	_	0.47	0.47	0.46	0.59	0.69	0.75	0.63	0.63
÷	0.41	0.41	0.41	0.43	0.41	6.4	0.4		_				_	_	_			_	_	_	Ī	_	0.47	0.47	0. 84.	0.57	0.7	0.76	0.62	0.62
:	0.41	0.41	0.41	0.41	0.41	0.4	0.4		_				_	_	_	_		·	_	_	_		0.47	0.47	\$. 84.	0.57	0.71	0.75	0.61	9.0
19:00	0.43	0.41	0.41	0.41	0.41	0.4	6.4		0.40	600	0,4	240	0.4	0.43	0.42	42 0.41	1 0.4	039	0.39	0.39		0.46	0.47	0.47	0.47	0.57	0.71	0.74	0.6	9.0
	0.41	0.41	0.41	0.41	0.41	4.0	4.0		_	٠.			_	_		Ξ,	٠.	_	_	_	_	_	0.47	0 47	0.47	0.57	0.72	0.73	0.59	0.59
_	041	0.41	0.41	0.41	0.41	4.0	4.0		_				_	_	_	Ī		_	_	_		_	0.47	046	0.47	0.57	0.74	0.72	650	0.58
_	0.41	0.41	0.41	0.41	0.41	9.0	4.0		_				_	_	_	Ξ.		_	_	_		_	0.47	94	0.4	0.57	0.74	0.72	0,58	0.57
	0.41	0.41	0.41	0.41	0.41	0.4	0.4		_				_	_	-	Ī		~	_	_	-	_	0.47	0.46	0.47	0.57	0.74	0.71	0.58	0.57
_	0.41	0.41	0.41	0.41	0.41	0.4	0.4						_		-	-		٠,	_		_	_	0.47	0.45	0.47	0.57	0.75	0.71	928	0.56
Ауставе	0.41	0.41	0.41	0.41	0.41	0.40	0.40	0.40	0.40	0.40	0.39 0	0.40	0,40 0,	0.40 0.	0.42 0.43	43 0.42	2 0.40	0.39	60.0	0.39	0.41	0.45	0.47	0.47	0.46	0.52	99'0	0.75	20.0	0.58

TABLE 5 HOURLY WATER LEVEL RECORD AT SINOCALAN (9/15)

Month: June, 1990

Chit: m)

	29 30	2.78	2.4	270	2.67	263	2	256	2.53	250	2.47	2 4 4	241	238	7,	230	227	2.74	2.20	2.18	2.16	2.13	211	88	33 2.07 1.82	347 240 188
	27 28	1.87	 82.	3	.83	1.81		5.	1.77	1.76	1.75	1.74	1.73	23	2,3	99	1.68	1.68	1.69	1.76	88:	211	732	247	270	8.
	25 26	ļ ```	•	٠.	•	• •	250 235		• •																2.09 1.87	223 200
	22	, ,		٠.	•		5.06 3.93																		3.79 2.73	316
	z	124	76	7,7	743	2.76	3.09 5	3.35	3.63	Z Z	4.17	4.37	4.58	4.82	5.03	8.2	5.31	5.39	5,43	5.46	5.46	2 4	5.40	5.33	523	173 421
	20 21	0.72	0.71	0.71	0.71	0.7	0.3	0,7	0.7	0.7	0.7	0.7	0.69	0,69	0.69	0.69	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	090
Day	18 19	0.89 0.76	Ξ.		_	_	_																			0.83 0.74
	16 17	1.26 1.06		•	•		•							_	Ξ		Ξ.	_								117 080
	t 15	0.7 0.62	_	_	_	_			Ξ.	_	-	-														200 730
	13 14	0.7	0.71	0.71	0.71	0.71	6.7	0.71	0.71	0.71	0.72	0.72	0.73	0.73	0.74	0.74	0,74	0.74	0.74	0.74	0.73	0.72	0.71	0.7	0.7	22.0
	11 12	0.67 0.63		_	-		_						1													290 590
	0I 6	0.82 0.71	_						_	_	_	_	7	٠.			٠	٠.								890 920
	00	:								-															0.77 0.83	28 0 - 65 0
	6 7	0.56	જ	920	3	950	95.0	95,0	કુ	0.55	0.55	0.55	0.55	0.55	4	0. S	0.5	2	0.55	0.57	0.57	0.57	950	0.56	950	9,0
1.	4 S	0.71 0.64	Ξ.	_	-	_	_			1.										: -					0.64 0.57	190 630
	2 3	80 950	_	-	-	Ξ.	٠.				•				٠,			- 1	:						0.8 0.72	250 250
		0.56	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0 27	44,0	450	0. 22	250	250	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	. y
	2007	0.0	2	ő	4.	Š	9	200	 0:	ģ	9	2	250	13.0	14:0	150	9	17.0		6	R	21:0	ġ	٤	8	

TABLE 5 HOURLY WATER LEVEL RECORD AT SINOCALAN (10/15)

(Claix: m)

	31	238	235	33	2.33	236	2.31	52	2 28	227	2.25	53	77	23	2.19	217	2.15	2.14	2.12	211	2.10	8	50	507	2.07	2.21
	ਲ	2.92	2.89	2.86	2.83	2.80	2.77	2.75	2.73	2.72	2.70	2.68	2.65	2.63	8	2.58	2.55	2.53	251	2.48	2.46	24	2.42	2,40	2.39	2.64
	83	3.30	3.32	3.33	3.33	331	3.28	3,25	3.21	3.17	3.14	3.10	3.06	3,02	58	5.38	5. \$	2.93	2.93	2.93	7,	5,36	38	% %	2.95	3.09
	28	2.38	2.45	247	2.45	4	2,42	239	2.38	2.36	2	233	232	232	2.32	23	239	24	2.49	259	274	58	3.07	3.21	3.27	253
	1,7	1.91	1.91	8	28	1.89	28	1.83	23	2	1.87	1.87	1.87	1.86	:3	;. \$	<u>7</u>	1.91	1.93	8	9,	8	2.16	78		1.95
	8	1.56	1.57	1.57	1.55	<u>1.</u>	1.53	1.52	1.52	1.56	1.51	1.50	1,50	1.49	1.49	1.49	1.49	1.50	1.52	1.55	1.61	1.3	1.82	1.88	8.	1.58
	ล	1.49	1.55	1.56	1.54	151	1.50	150	1.52	152	1.52	151	200	1.49	3.48	1.48	1.47	1.47	1.46	1,47	1.48	1,49	150	1.52	1.55	1.50
	8	1.12	1.12	1.12	1.11	1.1	1.1	1.11	1.1	1.10	1.10	1.10	1.10	1.10	8	1.08	1.08	1.08	7.08	50.	1.10	1.10	1.10	1.1	1.27	1.11
	23	3	1.33	33	1.38	1.37	1.35	1.32	1.30	8	2	22	1:3	1.23	1.22	1.21	1.20	1:18	1.17	1.16	1.15	1.14	1.14	1.13	1.13	124
	22	1.38	33	3	1.29	8	8	27	1.28	73	1.28	1.28	23	1.27	1.27	1.26	13	13	1.24	<u>1</u>	13	2	1.21	8	8	1.26
	21	34.	1.45	1.4	1.43	1.42	14.	9	9	1.39	1.39	33	1.38	1.38	133	1.36	1.35	1,3	1.37	1.36	1.36	1.31	1.31	1.31	1.31	1.38
	ន	•	•			•	•			•				i		151	151	151	151	151	151	151	1.49	1.48	1.47	1.50
Day.	19		٠.	•	ı	ŀ	•	. •	ı	ì		•	•	•	•		•		•.		•		,			
	18		ŀ	•,			•	,	•			•	•		t			,	•		ı			,		
	17	. •	•	•		•			•	•									•.		,		•	,		
	91	1.0	10	1.0	1.0	10	1.0	0,1	10	1,0	0.	1.0	1.0	1.0	1.0	1.0	1.0		,	. •		ı	•	ř	•	1.00
	ξį	1.0	0.1	1.0	1.0	0.7	1.0	1.0	1,0	1,0	1.0	1.0	1.0	1.0	1.0	1.0	9.	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1	9.
	7	1.02	1.02	102	1.03	1.01	1.01	1.01	1.01	10	1.01	1.01	1.01	1.01	1.01	1.0	0.	0:	1.0	01	1.0	1.0	1.0	1.0	្អ	1.01
	ជ	20.	2	<u>.</u>	2	2	2	50.1	5	1.05	20.1	1.05	1.05	50.	2	2	3	1.03	1.03	1.03	1.02	1.02	8	1.02	1.02	<u></u>
	12	1.14	1.13	1.13	1.12	1.12	1.12	1.12	1,11	1.1	1.11	1.11	1.10	1.10	1.10	1.10	8	89:	1.08	1.07	1.07	1.08	108	1.05	1.05	1.10
	=	1.21	1.21	1.21	1.20	8	8	8	1,3	1.19	1.19	1.18	1.18	1.18	1.17	1.16	1.15	1.15	1.15	1.15	1.15	1.14	1,14	1.14	1.14	1.17
	으	1.33	2	ä	1.33	1.33	1.33	1.32	1.32	3	1.31	.3	1.30	1.29	1.28	1.28	1.28	1.28	13	1.26	75	23	23	1.22	1.21	1,29
	6	1.45	1.42	1 39	1.37	1.35	1.35	7,	2	1 33	1.32	1.31	1.31	1.32	1 32	1 33	1 33	1.33	1.32	1.31	1.31	1.31	1.31	132	1.33	<u>¥</u>
	œ	1.11	1.13	1.16	1.17	1.18	1.18	1.18		1.18	1:18	1.17	1.17	1.17	1.17	1.16	1.16	1.16	1.16	1.15	1.17	1.46	1.57	1.55	1.49	1.22
	7	1.12	1.12	1.12	1.12	1.12	1.13	1.14	1.14	1.14	1,14	1.14	1.13	. 1.13	1.13	1.13	1.13	1.12	1.1	1.11	=======================================	1.11	1.11	1.11	1.11	1.12
	Ö	1.15	1.15	1.15	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.15	1.15	1.14	1.14	1.13	1.13	1.12	1.12	1.15
	5	1.18	1.18	1.18	1.18	1.18	1.18	1.19	130	3	1.20	1.20	8.1	1.20	22	1.19	1.17	1.17	1.16	1.16	1.16	1.16	1.16	1.15	1.15	1.18
	4	1.38	1.37	1.36	4	1.33	1.32	131	1.30	20	1.29	1.29	1.28	1.28	1.27	1.27	1.26	1.26	1.25	1.24	13	1.22	1.21	1.20	1.19	1.28
	ш	1.36	1.36	1.36	1.36	1.36	1.36	1.36	1.35	1.35	1:35	1.34	133	1.33	1.33	1.32	1.31	1.31	1.31	1.31	1:31	1.31	1.32	1.36	1.38	7
a.	74	1.52	.53	ά	7	1.53	1.52	1.52	151	150	1.49	1.49	1,48	1.46	1.4	1.43	1.42	.42	.4	4.	5	139	1.38	1.37	8	1.46
11.0	1.	1.81	2	1.76	17	1.72	1.70	3.69	3	167	99	ï.	1.63	1.62	8	. 59	1.58	1.56	1.55	1.53	S	8	149	49	1.50	1.63
I.		1:00	500	300	4:00	2:00	90.9	99.	8:00	8	10:00	11:80	15:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22.00	S S	28.00	Average

TABLE 5 HOURLY WATER LEVEL RECORD AT SINOCALAN (11/15)

Month: August, 1990

	•	i		_	حم	<u>,</u>	v.	100	100	٠.	<u>ر</u>	_	er.	46	C)	٠.	<u>۰</u>		v	Ε.	Š		ሖ	_	o i	. م	
	31	١,,	•	•••	•	•	•	• •	•	•	`	•	•	٠.	•	٠.	•	' '	•	•	•	•	•	250	`	2.62	
	39	i ``	•	•	•	•	•		•	٠,	•	•	•	•	•	•	•	•				-	•	277	į	2.77	
	શ	- m	(4)	m	۲,	ζ,	۲,	٠,		٠.	٠.	٠,		•••			٠.	``	٠,		•	•	•	286	``	3.11	
٠	*	4.00	3.97	, K	3.91	3.87	3.83	3.78	3.75	3.74	3.71	3.71	3.68	3.65	3,63	3.60	3.57	3,5	3.56	3.49	3.47	34	3.41	3.38	3.36	3.67	
1.	12	4.45	4.59	4.62	4.82	8.8	s. 8	5,17	5.26	5.32	5.31	5.26	5.18	88	29	4.83	4.71	4.61	4.52	4.43	4.33	4,26	4.18	4.12	8	4.75	
	58	218	217	2.16	2.15	2.14	2.13	212	211	58	8	201	508	, 8	8	2.16	22	235	5 8	3.15	3.14	8	3.73	3.86	8.9	2.53	
	ผ	2.47	2 46	244	2.43	2.42	241	2.41	2.40	2 38	2.37	2.35	234	2.32	231	231	2 29	2.27	2.26	2.24	2.23	2.21	220	2.19	2.19	2.33	
	8	245	2.55	2.68	2.74	273	2.68	2.63	259	256	2.53	251	250	249	2,48	2.47	2.47	2.45	2.45	245	2.45	2,47	2.48	2,48	247	253	
	ន	28	50	200	2.00	2.00	8	8,8	28	2.00	<u>;</u>	1.93	1.93	1.93	1.93	3	1.93	500	2,07	2.16	2.19	22	236	2.43	245	2.06	
	a	82	8	8	88	58	8	8	5.00	500	8	8	8	8	28	700	58	8	8	8	58	8	8	8	8	700	
: '	21	500	200	8	88	200	58	2.00	700	200	2.00	8	8	700	200	500	200	700	8	8	8	8	8	8	8	700	
	æ	2,00	202	5.00	200	3,8	2.00	2.00	2.00	2,0	2.00	500	5.00	903	5,0 8,0	2.00	500	5.00	500	5,00	5,08	500	5.00	2.00	202	2.00	
Cay	67	2.00	200	200	28	200	2.00	2.00	2.00	500	8,8	2.00	2.00	88	8	200	200	500	200	500	5 9 7	8	200	200	8	2.00	
2	18	1.73	1.74	174	174	1,74	1.74	1.74	1.74	1.74	1.74	1.75	1:1	1.78	1.80	1.82	1.84	1.86	1.88	8	1.93	500	200	50	200	1.82	
	17.	52	52	58	8.	8	8	1.89	1.83	1.79	1.75	1.72	1.68	1.67	3	1.63	1.62	1.63	S	<u>z</u>	1.67	1.68	2.	1.71	5	1.71	
.	16	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.57	1.57	1.57	1.57	1.57	1.56	1.57	1.57	1.57	1.57	1.57	1.57	1.57	1.55	1.53	1.52	151	1.57	
	15	1.32	1.33	1.35	13	1.38	1.39	1.41	1.42	1.43	1.43	1.45	3.46	 84.	1,49	151	1.53	1.55	156	1.56	1.57	151	1.58	1.58	158	1.47	
	선.	1.31	131	131	1.31	1.31	1.31	1.31	13	1.31	31	131	131	131	131	131	1.31	1.31		<u> </u>	33	131	13	131	1,31	1.31	
	13	1.40	5.	139	1.39	1.39	1.38	1.33	138	137	1.37	1.37	1.37	137	1.37	1.36	1.35	8	3,3	1.33	1.33	133	1,32	1.32	1.32	1.36	
	12	1.36	136	38	137	1.37	1.37	82.	38	39	39	5 .	5	1.4	1.41	1.41	14	1.42	142	45	1.41	141	1.41	14	1.41	.₹	
	==	1.35	32	1.35	33	1.35	1.35	1.35	1.35	1.35	1.35	1.33	1.35	1.35	1.35	1.35	1.35	1.36	1.36	1.36	1.36	1.36	1.36	38	38	1.35	
	ġ.	1.36	38	136	3,36	1.36	136	1,37	1.38	1.38	1.38	1.38	1.38	1.38	138	1.38	1.38	1.37	137	1.36	1.36	136	1.35	1,35	1.35	1,37	
	6	34.	. . 6	5	\$. 5	5	. . 6	1.40	3	54.	8	 64.	₹.	₹	9	4.	39	1.38	1.38	1.37	.37	.37	13	37	136	1.39	
	∞ .	1.40	139	1.39	1.39	1.39	1.39	1.39	1.40	\$	1.40	9	.40	140	9	97	1.41	141	141	1.41	1.41	1.41	141	140	1.40	1.40	
	7	1.48	1.48	1.47	1.47	1.47	1.47	1.47	1.47	1.46	1.45	1.45	1.45	1.45	1.45	1.46	1.45	1.45	1.45	<u>'</u> .	1.43	1.43	1.42	1.41	9	1.45	
	9	1.60	8	1.59	1.59	159	1.58	1.58	1.58	1.58	1.58	1.58	1.58	157	151	1.56	1.55	1,54	1.53	1.52	1.52	1.51	15.1	જુ	69.	1.56	
		1.74	73	1.72	1,72	1.71	1.71	1.70	1.70	1.69	1.69	1.68		39.	1.68	1.67	1.67	99:	1.65	20.	<u>2</u>	1.63	1.62	19:	1.61	1.68	
	4	191	8	1.89	1.89	1.88	1.88	1.88	1.88	1.87	1.86	1.86	1.85	<u>z</u> .	.83	1.83	1.82	1.81	1.80	1.78	1.71	2	1.76	1.76	1.74	1.83	
	ED.	\$	Ż,	8	33	1.92	1.92	25	1.92	1 32	132	1.92	1.92	132	1.92	132	191	8	1.97	1.98	1.98	1.98	8.	S.	23	ä	
	 (4	8	96.	8	1.97	1,96	1.95	<u>.</u>	1.93	13	1.92	1.90	961	1.89	1.89	1.89	1.89	28	1.91	1.92	33	23	1.93	1.93	J.	1.93	
	щ				•					•							. ;		į.				Ċ	¥.		1.97	
	,	1:00	••	•	•		_	_				_		_		'		_	_		_	_	_	_		Average	
i.			Cİ	m	4	'n	vo.	£	∞	S	Զ	Ξ	ဌ	Ω	7	5 3	2	Ω	50	53	R	ឌ	ĸ	ĸ	72	Ave	

TABLE 5 HOURLY WATER LEVEL RECORD AT SINOCALAN (12/15)

Month	September, 1990	196	8					. :						1,1														· B	(Unit: 12)	
i.					:		v											ń	Day											į
	-	7	ю.	4	W	Ş	7	••	6	30	11	12	13	14	15	16	17.	18	19 . ;	 82	21 .2	22	23 2	24	2	7	27 2	78	53	æ
1:00	2.50	83	3.87	309	252	2.27	243	455	3.96	3.05	2.55	22	2.01	1.87	1.83	2.16	16.1	1.76	1.86	1.85			.``				``		```	ន្ត
2:00	253	4.76	3.82	3.05	2	7	247	4.53	3,67	3.02	2.53	221	200	1.87	. 88	216	1.91	1.76	1.84	1.83	1.7.	1.62	1.61 2	200	.93	1.71	2,7	2.12	g	22
3,00	8	8	3.75	3.01	250	222	247	451	3.66	8	2.52	221	5.00	1.88	1 92	214	161	1.76	1.82	1.81	_		``			•	•		•	ន្ត
9; 4	27	4.58	3.67	2.98	249	22	24	4.48	3.63	300	2.51	22	200	1.89	8	213	1.91	1.76	1.79	1.78			•	_	•	•	``		•	219
5.00	3.02	8.5	359	2.97	2.48	23	2.45	4.48	3.69	8	2.50	8	2.00	1.89	2.10	2.12	1.89	1.76	1.7	1.77			` '				•		•	217
00:9	33	4.43	352	8	247	777	4	4.46	3.56	7.36	2.49	219	200	8	2.18	212	1.89	1.76	1.75	1.75				•		_			•	2.16
2.00	93 8	4.36	3.47	56	2.46 2.46	7,73	2.45	4.40 04.4	3.53	8	247	2.18	5.00	1.89	22	211	1.88	1.76	1.73	1.74	_	_	•				•	Ī	•	7.7
8	35.6	4.31	3.42	2.92	2.45	221	250	434	3.50	8	246	217	8	1.88	2.28	2.10	1.88	1.76	1.72	1.72		_					•		•	212
00:6	3.79	4.24	3.38	2.89	4	220	255	4.26	3.48	2 92	245	2.16	1.98	1.87	2.28	2.09	1.88	1.75	1.72	1.72	-	Ϊ.				•	``		•	2.10
10:00	8	4.19	3,34	2.86	2.43	2.19	5.65	4.18	3.4	2.91	2.43	2:16	1.98	1.86	2.28	207	1.87	1.75	1.71	1.71	_		•	•	_		•		٠.	208
11:00	4.19	4.13	331	284	2.42	22	2.88	4.11	3.41	8.2	2,42	215	1.98	1.86	2.29	506	1.87	1.75	1.70	17.1		_	•		<u>_</u>	•	•		•	207
12:00	4.37	4.07	3.27	2.82	2.41	22	3.23	4.05	3.37	2.88	239	216	1.97	1.85	230	58	28.	1.74	1.70	1.7.1	_	-	•	•	_		•		•	8
13:00	4 2	8	3.23	2.80	2.39	22	3.57	8.	3.33	282	2.38	217	<u>3</u> .	1.84	2.31	200	1.85 53.	1.73	1.70	1.7.1		Ϊ.		•			٠.		•	Š
14:00	20.0	8	32	27	2 38	230	8	3,96	3.30	2.80	237	210	1.95	1.83	2.31	202	<u>7</u>	1.72	1.69	1.70	_								•	202
15:00	4.77	8	3.19	2.75	2.35	223	4,14	3.93	3.28	2.76	2.35	508	ž.	1.82	2.30	201	1.82	1.71	1.69	1.69	_	_	•	_		•	_		•	8
16:00	4.91	£.	3.17	272	7.7	7,7	4.32	3.91	3.25	2.73	233	207	1.93	1.82	2,29	8	1.81	1.70	1.68	1.67		_			•	٠.	_	•	•	82
17:00	8.8	3.78	3.16	2.70	2,33	7.7	4,42	3.5	3.23	2.70	230	8	1.93	1.81	2.29	8	1.80	1.68	1.67	1.67									•	ទូ
18:00	5.80	3.74	3.16	2.68	2.32	23	4.48	8,8	3.21	2.67	7.78	78	1.92	1.81	230	8	1.79	1.67	99	1.69	_	_	•		_		•	_	•	8
19:00	S. 14	3.71	3.17	268	231	23	4.52	3.88	3.20	7	7.3	88	8	1.80	229	<u>%</u>	1.78	1.67	8	1.68	_							_		8
20:00	5.14	3.73	3.19	2.63	231	230	4.55	3.84	3.19	2 63	528	8	8	1.79	2.27	8	1.7	99:	1.66	6)	-								•	8
21:00	5.12	3.78	83	260	23	230	4 2	3.81	3.17	2.62	22	203	28	1.79	2.73	8	1.7	1.65	1.66	1.67	-								•	8
22:00	8	3.8	3.18	2.57	2.30	230	4.52	3.76	3.14	2. 8	22	702	1.89	1.79	2.21	8	ï.	3.6	3.6	1.69					_	`			•	8
23.00	8.8	3.87	3.16	256	2.29	230	4 8	3.74	3.13	2.58	7.73	701	1.88	1.80	2.19	78	1.76	1.76	1.76	1.70	_	_		•				•	•	ş
24:00	4.92	3.87	3.12	254	2.28	73	4.53	3.71	3.09	2.57	7.77	201	1.88	1.82	2.18	1.91	1.76	1.85	1.85	1.71		``				``			- 1	207
Average	4.16	4.13	3.36	2.80	2.40	233	3.45.	4.11	3.39	2.82	240	212	1.95	<u>1</u> 8	2.22	204	1.84	1.73	1.73	1.72	1.68	1.62	49.1	. 25.	1.86	1.74	1.76	195	2.00	8

TABLE 5 HOURLY WATER LEVEL RECORD AT SINOCALAN (13/15)

Month: October, 1990

(Unit: m3/sec.)

· ·						. .												Day												
- 3mr		7	9	4	5	9	7	8	ο.	10	11	12 1	13 1	1.	16 16	5 17	18	61	ន	21	23	23	8	ผ	92	Ħ	×	23	જ્ઞ	31
1:00	708	1.81	1.69	1.61	2	151	1.43	1.42	1.42	141	1.41	_	_	_	Γ.		7	_	ļ .	_	-	-	_	1.37		2	13	127	121	1.27
500	8	1.81	1.69	1.61	1.53	151	1.43	1.42	141	141	141	_	-	_	_	-	_	_		_	_	_	_	1.37		8	7	1.27	ij	1.27
3:00	707	1.81	3.69	1.61	1.53	1.50	1.42	1.42	1,41	4	141	-	_	٠.	_	Ξ.	_	7	Ξ.		-		_	136	_	178	Ŋ	1.27	121	1.27
00:4	8	1.81	1.69	1.61	1.53	150	1.42	1.42	141	1.4.1	1,41	_	-		_	Ξ.	_		٠.	_	-	4	6.4	136	٠.	8	5	Ę	ij	1.21
2:00	8	1.79	1.69	1.61	1.53	.49	1.42	1 42	141	1.41	1.41			٠.		_	_	-					Ξ,	136		8	13	127	17	1.27
9	85	1.78	1.68	161	1.53	1.49	1.42	1 42	141	141	1,41	_	_	٠,		Ξ.	_	,		_	_	_	_	1.35	Ξ.	8	13	123	127	1.27
2002	8	1.7	1.68	1.61	1.53	1.48	1.42	1 42	141	141	1.41	Ξ.	_	•	_	_	Ξ.	_		_	_	۳,	_	1.35	Ξ.	8	13	127	127	1.21
8:00	.9	1.76	7.0%	1.61	1.53	.48	1.42	1.42	1.41	1,41	1,41		_	•	****	Ξ.	-			Ξ.	_	_	Ξ.	1.35	Ξ.	ĸ	127	12	17	1.27
90.6	8	1.76	.68	1.61	1.53	1.48	1.42	1.42	1.4.	1.41	1,41		•				_	Ξ.			Ξ.	_	٠.	1.35	٠.	128	1.27	Ę	177	1.23
00:01	8	1.75	1.88	1.61	1.53	1,48	1.42	1.42	141	1.41	141	•			•	Ξ.						_	Ξ.	1.35		178	13	12	121	1.21
11:00	8	1.74	1.68	3	1.53	1.47	1,42	1 42	1.42	1.41	1,41			•		_	7		Ţ,		Ξ.	_	Ξ.	1.35		23	121	127	127	1.27
12:00	8	1.73	1.67	1.60	1.53	147	1.42	1 42	42	1.41	1.42	•	-	•		Ξ.	_	-		•	-			1.35	٠.	8	1,27	127	133	121
13:00	33	1.7	1.67	8	1.53	1.47	1.42	1.42	142	1,4]	1.42	•	-	•		_				• •	_	_	_	1.35		8	1,27	127	1.27	1.27
14:00	1.91	1.72	1.67	8	1.53	4.	1.42	1.42	1.42	1.41	1.42	•	•		÷	•	•		ì	•	•	_		1.35		13	1.27	127	1.27	1.27
15:00	8	1.72	1.66	1.59	1.53	1.47	1.42	1.42	1.42	1.41	1,42						•				•	Ξ.	_	7.7		17	131	1.27	1.27	1.27
16:00	.88	1,73	1.65	1.59	1.53	1.47	1.42	1.42	1.42	14.	1.43	•				•	٠.				٠,			1.33		13	1.27	12	13	13
17:00	1.86	1.72	1.65	1.59	153	1.47	1.42	1.42	1.42	1,41	1.43					•	•				•	_	_	1.32	٠.	13	13	1.27	121	1.27
18:00	1.85	1.72	2	1.58	1.53	1,46	1.42	1 42	1.42	1.41	1.43													1.31		8	127	123	133	1.2
19:00	.83	1.72	1.63	1.58	1.53	1.46	1.42	1.42	1.42	141	1.43					1	÷					•	•	33		8	1.27	13	1.27	1.27
20:00	1.82	1.72	1.62	1.56	1.52	1.45	1.42	1.42	4	14	1.43					•							:	1.29		8	1.27	1.27	1.27	1.27
21:00	1.81	1.72	1.61	1.56	1.52	<u>;</u>	1,42	1,42	4	141	1.43							_						1.29		1:2	1.27	1.23	121	1.26
22:00	280	1.71	1.61	1.55	.51	.; \$	1.42	1.42	1,41	1.41	1.43							_	٠,					1.28		1.27	127	13	1.27	8
23:00	1.79	1.71	1.61	Ŋ	151	1.43	1.42	1.42	141	14!	4	1.48	1.53	1.55	1.60	1.58	1.64 1.63	_	150 1.57	7 1.65	2. Z	1.45	1.37	1.28	22	3	Ħ	127	H	33
24:00	1.79	1.70	1.61	3	151	1.43	1.42	142	141	141	<u>1</u>								_	Ì		-		1.29	.	1.27	1.27	121	127	13
Average	1.91	1.75	1.66	1.59	1.53	1.47	1.42	1.42	1.41	1.41	1.42	1.46	1.51	154	1.54 1	1.64	57 1.6	25.	1.57 1.53	3 1.73	3 1.58	3 1.52	1.39	1.33	1.30	1.28	1.27	127	1.27	1.27
						·																								

TABLE 5 HOURLY WATER LEVEL RECORD AT SINOCALAN (14/15)

	8	<u> </u>	1.27
	23	<i>₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽</i>	1.28
	83	22222222222222222222222222222222222222	1.27
	12	<u> </u>	138
	78	<u> </u>	1.27
	ผ		1.26
	¥.	<u> </u>	1.23
	ន	<u> </u>	1.21
	23	999999999999999999999	12
	21	<u> </u>	1,23
	ล	<u> </u>	1.25
Day	61	133 23 25 25 25 25 25 25 25 25 25 25 25 25 25	1.28
Δ	81	<u> </u>	1.30
	Ħ		1.28
	16	<u> </u>	1.28
	21		131
	4		1.31
	13		1.32
	23	19.00	1.37
	=	44444444444444444444444444444444444444	1.36
	9	######################################	1.29
	0	<u> </u>	1.26
	∞	<u> </u>	1.25
	7	<u> </u>	1.24
	٥	<u> </u>	1.24
	۸	<u> </u>	1.25
	4	78787878787878787878787878787878787878	42
		<u> </u>	124
	2	<u> </u>	1.28
	1	**************************************	138
		25.66 26 26 26 26 26 26 26 26 26 26 26 26 2	Average

TABLE 5 HOURLY WATER LEVEL RECORD AT SINOCALAN (15/15)

(Crait: m)

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Time				:										ļ				3			ļ										
1 1	1	7	e	4	۲.	9	7	6 0	6	2	11	12. 1	13 1	4	15	17 91	7 18	<u>6</u>	8	21	77	. 23	ষ	ĸ	32	E	23	8	ន	31	,
00:1	12	1.27	133	1.23	121	1.23	1.24	12	1.19	1.19	1.23	_		_						``			•			4	,		٠.		:
500	13	1.27	133	123	1.21	1.24	1.24		1.19	1.19	23	_	•	_				•		•			7	-	-		•	•	,	١	
99	13	1.27	2	12	1.2	1.2	1.24		1.19	1.19	<u>5</u>	_		_						-			_	_		4	•	•	•	١	
8:0	13	171	123	1.23	171	12	1.24		1.19	1.19	133	Zi.	1.18	1.18	1.16 1.	1.16	1.15	1.15 1.	1.14 1.1	1.14 1.	1,14 I.	111	1.11 1.16	6 1.16	6 1.14	4	•	•,	1	1	
800	13	1.27	1.23	1.23	121	1.2	1.24		1.19	1.21	13				- /-		_	٠.		•			_	_		4	•	٠	1	•	
90.9	ដ	1.27	133	133	1.21	1.2 1.2	1.24		1,19	121	133				•		_			•			•				:	•	i		
9.6	ผ	1.77	123	23	121	77	7,		1.19	121	8						_			•			_			4	•	•	١	- 1	
Ø.	13	1.27	123	1.23	121	1,24	1.24		1:19	121	8	•					-						-	-		4	•	٠	1	•	
00:6	13	1.23	123	1.23	171	1.24	1.2	٠.	1.19	1.22	23												-			4	•	,	•	•	
10:00	13	1.27	8	123	171	7	1.24		1.18	1.22	1.22	•		7			٠.			•			_	_	-	4	•	•	٠	٠	
11:00	1.3	1.27	1.23	2	1.21	1.24	1.2		1.18	1.22	13	•											_	_		4	٠	٠	1	,	
12:00	2	1.27	13	1.23	1.21	1.24	13		1.18	1.22	2	-, -	٠.							H	. 7		Ξ.	_		4	٠	•		٠	
13:00	23	1.27	123	133	1.21	1.24	133		1.18	1.22	2	•											•	•	-	4.	•	٠	•	٠	
14-00	1,2	1.23	123	Z.	1.23	1.24	2		1.18	1.22	2	•										٠.	•			4	•	•	•	•	
15:00	Z.	1.27	123	123	1.21	1.24	13	٠.	1.18	1.23	12	•											****	٠.		4	•	•		•	
16:00	123	1.27	1.23	1.23	121	12	13		1.18	123	1.21			•			-	61					•				•	•	٠	•	
17:00	ZĮ	1.38	1.23	2	171	1.24	1.23		1.18	1.23	1.21													• •	4	٠	•	•.	٠	٠	
18:00	<u> </u>	X.	2	27	17	2	ij		1:18	133	1.21													•	1	•	•	•	٠	1	
19:00	2	7	133	21	120	1.24	2		1.18	123	1.21		j.	-		٠.	Η.	10							4	•	٠	•	٠		
800	1.26	2	23	12	22	1,24	2	_	1.18	1.23	121													_	4	•	•	•	٠	1	
21:00	1.27	1.23	133	121	1.20	124	2	_	1.18	1.23	121		_												4	•	•	•	•	•	
8	1.27	1.33	23	1.21	1.20	1.24	1.24		1.18	123	1.21								-						4	•	٠	•	١	•	
23.00	1.27	2	1.23	17	12	1,24	1.24		1.19	1.23	1.21			-											4	•	٠	•	•	٠	
24:00	1.27	1. 23	2	121	13	1.24	1.2	_	1.19	1.23	1.21					1									-	٠	•	•	•	•	
Average	124	1.26	123	122	121	1.24	1.24	121	1.18	1.22	12	1.21	1.18	1.17	1.16 1	1.16 1.	1.15 1.	1.15 1.	1.14 1.	1.14 1.	1.13 1.	1.11 1.	1.12 1.16	6 1.15	1.14	4	٠	٠	٠	-	: