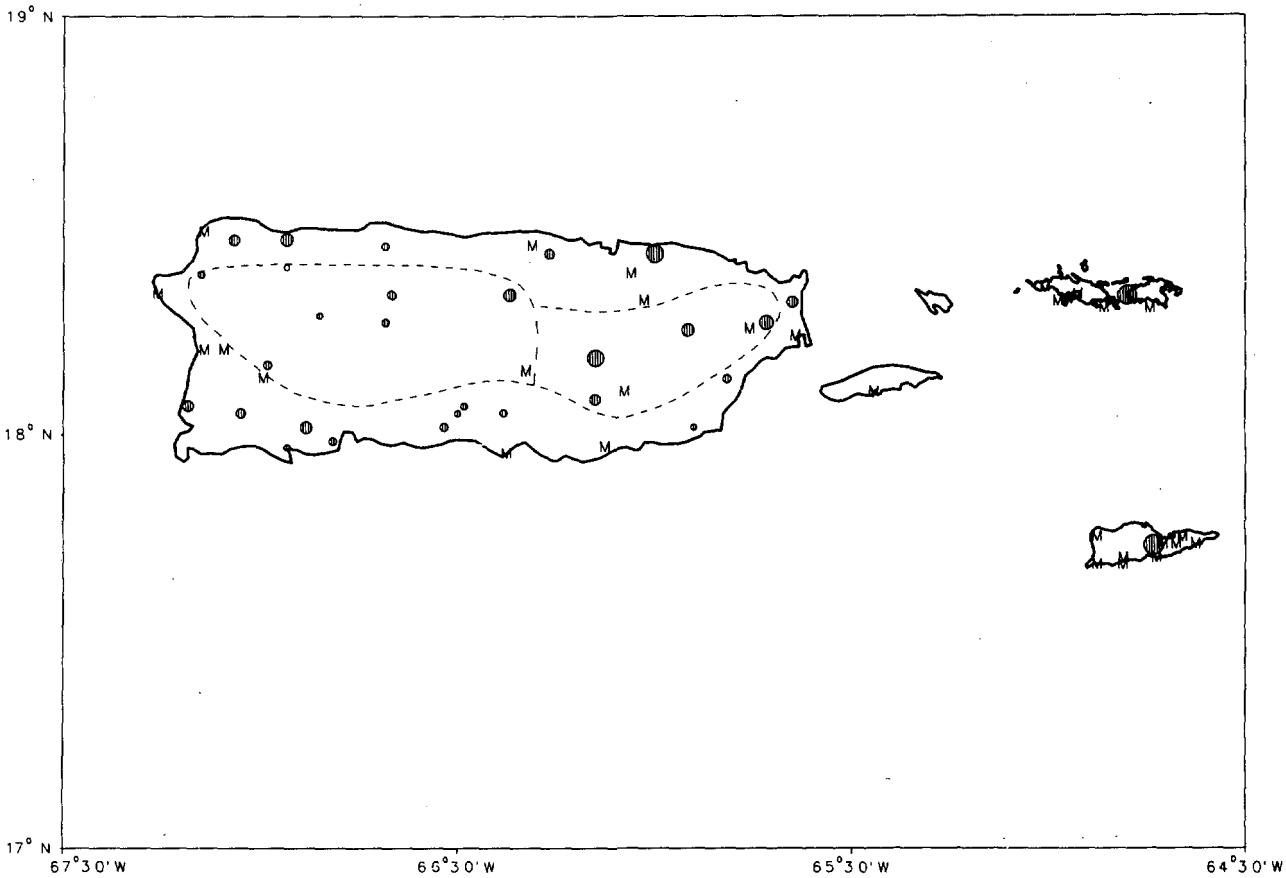
ISSN 0500-4780

CLIMATOLOGICAL DATA
PUERTO RICO & VIRGIN ISLANDS
SEPTEMBER 1989
VOLUME 35 NUMBER 9

MONTHLY PRECIPITATION DEPARTURE FROM
INDIVIDUAL STATION NORMALS (1951–1980)

M INCOMPLETE DATA FOR THE MONTH
EXACTLY NORMAL
5,10,20,.. 50% OR MORE BELOW NORMAL
10,20,40,..100% OR MORE ABOVE NORMAL



CIRCLE DIAMETER IS PROPORTIONAL TO DEPARTURE ON A CONTINUOUS SCALE

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Kenneth D. Wadell

DIRECTOR, NATIONAL CLIMATIC DATA CENTER

noaa

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL ENVIRONMENTAL SATELLITE, DATA AND INFORMATION SERVICE

NATIONAL CLIMATIC DATA CENTER ASHEVILLE NORTH CAROLINA

TEMPERATURE AND PRECIPITATION EXTREMES

PUERTO RICO AND
VIRGIN ISLANDS
SEPTEMBER 1989

PUERTO RICO			
HIGHEST TEMPERATURE	96	SEPTEMBER 6	MAGUEYES ISLAND
LOWEST TEMPERATURE	49	SEPTEMBER 8	ADJUNTAS SUBSTATION
GREATEST TOTAL PRECIPITATION	27.91		RIO BLANCO LOWER
LEAST TOTAL PRECIPITATION	3.85		CAGUAS 1 W
GREATEST 1 DAY PRECIPITATION	10.60	SEPTEMBER 18	PARAISO
VIRGIN ISLANDS			
HIGHEST TEMPERATURE	94	SEPTEMBER 14	WATER ISLE
LOWEST TEMPERATURE	67	SEPTEMBER 25	CATHERINEBURG
GREATEST TOTAL PRECIPITATION	20.04		DOROTHEA AES
LEAST TOTAL PRECIPITATION	9.57		WATER ISLE
GREATEST 1 DAY PRECIPITATION	8.50	SEPTEMBER 18	CANEEL BAY PLANTATION

MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

PUERTO RICO AND VIRGIN ISLANDS
SEPTEMBER 1989

STATION	TEMPERATURE (°F)										NO. OF DAYS			PRECIPITATION (IN)				SNOW, SLEET			NO. OF DAYS		
	AVERAGE MAXIMUM	AVERAGE MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	HIGHEST	DATE	LOWEST	DATE	HEATING DEGREE DAYS	COOLING DEGREE DAYS	MAX 90 OR ABOVE	MAX 59 OR BELOW	MIN 59 OR BELOW	TOTAL	DEPARTURE FROM NORMAL	GREATEST DAY	DATE	TOTAL	MAX. DEPTH ON GROUND	DATE	.10 OR MORE	.50 OR MORE	1.00 OR MORE
PUERTO RICO																							
NORTH COASTAL 01																							
ARECIBO 3 ESE	89.7M	70.6M	80.2M	-.2	91	22+	67	30	0	460	14	0	0	6.08	1.25			.0	0		8	3	0
BARCELONETA 2	M	M	M											6.89		2.00	10	.0	0		15	4	2
BORINQUEN AP	88.7	72.8	80.8		93	9	70	19+	0	480	14	0	0	M 5.38		2.70	15	.0	0		4	3	2
CANDELARIA - TOA BAJA	M	M	M											9.44		4.73	19	.0	0		14	4	2
DORADO 2 WNW	M	M	M															M	M				
QUEBRADILLAS	M	M	M											9.09	4.26	3.20	25	.0	0		8	6	2
RIO PIEDRAS EXP STA	89.2M	73.2M	81.2M		92	23+	70	28+	0	493	9	0	0	M10.33		1.72	10	.0	0		16	8	4
SAN JUAN WSFO R	89.0	75.6	82.3	.4	92	29+	73	25+	0	525	14	0	0	14.83	8.84	8.84	18	T	T		13	6	3
TOA BAJA 1 SSW	M	M	M											9.36	3.34	4.26	19	.0	0		10	5	3
--DIVISIONAL DATA------->			81.1	.5										9.28	3.47								
SOUTH COASTAL 02																							
AGUIRRE CENTRAL	86.5	M	M		92	11+	68	30			16	0	0	9.96		3.67	24	.0	0		8	4	2
CENTRAL SAN FRANCISCO	M	M	M											7.23	1.73	1.61	23	.0	0		10	6	2
COAMO 2 SW	M	M	M											6.92	1.33	1.93	24	.0	0		9	5	4
ENSENADA	M	M	M											6.02	.64	1.73	22	.0	0		8	5	3
LAJAS SUBSTATION	91.6	68.4	80.0	.7	95	10+	65	5	0	457	28	0	0	10.74	3.60			.0	0		7	5	4
MAGUEYES ISLAND	91.3M	74.4M	82.9M		96	6	71	28	0	543	19	0	0	6.36				.0	0		3	2	0
PONCE 4 E	89.8M	72.3M	81.1M	-.1	95	11+	68	9	0	489	17	0	0	7.40	1.88	2.00	23	.0	0		6	4	3
PONCE CITY	M	M	M											5.19		2.61	23	.0	0		7	3	1
SANTA ISABEL 2 ENE	M	M	M											M 5.47		2.13	23	.0	0		6	4	2
SANTA RITA	M	M	M											10.26	4.48	2.00	22	.0	0		11	6	5
--DIVISIONAL DATA------->			81.3	.3										7.79	2.18								
NORTHERN SLOPES 03																							
CALERO CAMP	M	M	M											7.21		2.34	15	.0	0		7	3	2
CANOVANAS	M	M	M											10.17		3.10	18	.0	0		21	6	1
FAJARDO	88.6M	73.6M	81.1M	-.3	92	8	68	12	0	488	9	0	0	11.40	4.74			.0	0		11	2	2
HATO ARRIBA-ARECIBO	M	M	M											8.10		1.60	25	.0	0		15	5	4
ISABELA SUBSTATION	86.7M	71.6M	79.2M	.7	90	21+	69	29+	0	432	2	0	0	10.07	3.96	2.36	30	.0	0		12	6	3
LA MUDA - CAGUAS	M	M	M											19.84		5.23	18	.0	0		20	11	7
MANATI 2 E	86.1M	73.7M	79.9M		90	12	70	8	0	455	1	0	0	8.21				.0	0		13	6	2
MORA CAMP	M	M	M											7.87				.0	0		9	4	3
RINCON POWER PLANT	M	M	M		90	28+	72	26			2	0	0	M 1.64		.55	26	.0	0		4	1	0
TRUJILLO ALTO 2 SSW	M	M	M		92	10	72	13+			9	0	0			.77	11	.0	0		7	2	0
--DIVISIONAL DATA------->			80.1	.1										10.36	3.94								
SOUTHERN SLOPES 04																							
BENAVENTE-HORMIGUEROS	89.4M	69.9M	79.7M		92	10+	66	7	0	449	14	0	0	11.57		2.02	11	.0	0		12	8	6
CORRAL VIEJO	M	M	M											18.95		2.98	3	.0	0		23	12	7
GUAYABAL	M	M	M											10.41	1.75	2.40	21	.0	0		18	6	3
GUAYAMA	88.0M	76.3M	82.2M		94	6+	72	22	0	522	8	0	0	M13.52		4.12	24	.0	0		10	5	5
HUMACAO 2 SSE	89.8	67.9	78.9	-1.3	94	8	64	25+	0	423	18	0	0	13.50	3.51	5.60	18	.0	0		16	8	3
JUANA DIAZ CAMP	M	M	M											7.63	.74	2.42	25	.0	0		6	4	3
MAUNABO	M	M	M											9.82	.77	3.94	18	.0	0		14	5	3
MAYAGUEZ CEER	M	M	M															M	M				
MAYAGUEZ AIRPORT	M	M	M											9.37		2.05	15	.0	0		13	5	3
PENUELAS 1 NE	M	M	M											14.20		2.29	11	.0	0		17	10	5
PUERTO REAL	M	M	M											12.10	4.74	3.00	26	.0	0		17	9	3
ROOSEVELT ROADS	M	M	M											M 6.80		2.05	25	.0	0		10	4	2
YABUCOA 1 NNE	88.9	72.0	80.5		93	22+	69	29+	0	473	15	0	0	12.44		4.10	18	.0	M		14	8	2

SEE REFERENCE NOTES FOLLOWING STATION INDEX

MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

PUERTO RICO AND VIRGIN ISLANDS
SEPTEMBER 1989

STATION	TEMPERATURE (°F)										NO. OF DAYS			PRECIPITATION (IN)				SNOW, SLEET			NO. OF DAYS		
	AVERAGE MAXIMUM	AVERAGE MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	HIGHEST	DATE	LOWEST	DATE	HEATING DEGREE DAYS	COOLING DEGREE DAYS	MAX 90 OR ABOVE	MAX 59 OR BELOW	MIN 59 OR BELOW	TOTAL	DEPARTURE FROM NORMAL	GREATEST DAY	DATE	TOTAL	MAX. DEPTH ON GROUND	DATE	.10 OR MORE	.50 OR MORE	1.00 OR MORE
YAUCO 1 NW	M	M	M											10.46		2.21	11	.0	0		16	6	4
--DIVISIONAL DATA------->			80.3	-.3										11.86	3.16								
EASTERN INTERIOR 05																							
CAGUAS 1 W	M	M	M											3.85		1.00	19	.0	0		10	2	1
CAYEY 1 E	M	M	M		88	11+	62	8			0	0	0	14.63		2.88	18	.0	0		12	7	5
CIDRA 1 E	M	M	M											15.28	8.85	4.00	18	.0	0		21	8	6
GUAVATE CAMP	M	M	M											M15.00		2.00	23+	.0	0		15	8	7
GURABO SUBSTATION	89.2M	65.8M	77.5M		93	8	62	28	0	383	16	0	0	16.53				.0	0		14	6	3
JAJOME ALTO	M	M	M											15.29	6.22	6.32	23	.0	0		8	7	5
JUNCOS	M	M	M		91	8	70	8+			5	0	0	14.06	6.48	5.84	18	.0	0		11	7	5
PARAISO	M	M	M											20.68	10.49	10.60	18	.0	0		17	7	4
PICO DEL ESTE	M	M	M		76	8	62	29			0	0	0	M14.81		3.41	29	.0	0		19	8	5
RIO BLANCO LOWER	M	M	M											27.91				.0	0		15	8	4
SAN LORENZO 3 S	M	M	M											18.54		3.98	18	.0	0		21	11	6
--DIVISIONAL DATA------->			77.5	1.1										16.31	7.39								
WESTERN INTERIOR 06																							
ACEITUNA	M	M	M											12.90				.0	0		9	4	2
ADJUNTAS 1 NW	M	M	M											20.50		4.05	2	.0	0		17	14	6
ADJUNTAS SUBSTATION	83.3	55.8	69.6		87	25+	49	8	0	144	0	0	26	14.49		2.41	11	.0	0		21	11	4
ARECIBO OBSERVATORY	86.6M	66.9M	76.8M		91	21	59	1	0	361	3	0	1	11.46				.0	0		14	9	3
BARRANQUITAS 2 SSW	M	M	M															M	M				
CERRO GORDO-CIALES	M	M	M											18.37		4.59	11	.0	0		20	9	4
CERRO MARAVILLA	68.2M	62.4M	65.3M		73	9+	59	29	16	33	0	0	1	17.25		3.00	18	.0	0		18	10	7
COLOSO	90.5	67.8	79.2	.1	94	21+	62	14	0	435	22	0	0	12.30	2.18	3.68	21	.0	0		15	9	4
COROZAL SUBSTATION	87.6M	66.5M	77.1M	-1.3	92	30	64	8	0	370	5	0	0	13.95	6.51			.0	0		14	7	3
DOS BOCAS	87.2	70.5	78.9		91	23+	68	9+	0	422	6	0	0	14.49	4.41	1.96	10	.0	0		17	9	6
GUAJATACA DAM	M	M	M											8.43	-.10	2.40	25	.0	0		14	3	2
HACIENDA CONSTANZA	M	M	M											M 7.22		1.93	3	.0	0		7	7	2
INDIERA ALTA	M	M	M											22.34		4.40	1	.0	0		21	11	8
JAYUYA	M	M	M											11.04		2.80	19	.0	0		13	7	3
LARES 2 SE	M	M	M											14.35	1.34	3.40	10	.0	0		17	9	5
MARICAO 2 SSW	M	65.8M	M		84	9+	63	29+			0	0	0	M17.90		4.20	5	.0	0		9	7	5
MARICAO FISH HATCHERY	M	M	M											19.41	5.19	3.31	10	.0	0		16	13	11
MONTE BELLO-MANATI	M	M	M											13.52		2.10	29	.0	0		16	9	6
MOROVIS 1 N	M	M	M											13.22		2.50	19	.0	0		17	10	5
NEGRO-COROZAL	M	M	M											14.84		1.90	19	.0	0		20	11	7
SAN SEBASTIAN 2 WNW	92.0M	67.8M	79.9M		94	5	65	28	0	454	24	0	0	8.29		1.65	11	.0	0		12	5	3
TORO NEGRO FOREST	M	M	M											13.87		3.48	19	.0	0		12	7	6
UTUADO	87.8	67.4	77.6		91	25+	63	9+	0	386	9	0	0	13.44	2.86	2.41	10	.0	0		16	7	5
VILLALBA 1 E	M	M	M											15.47		3.08	18	.0	0		15	11	6
--DIVISIONAL DATA------->			75.6	-.8										14.47	3.25								
OUTLYING ISLANDS 07																							
MONA ISLAND 2	M	M	M															M	M				
--DIVISIONAL DATA------->																							
VIRGIN ISLANDS																							

SEE REFERENCE NOTES FOLLOWING STATION INDEX

MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

PUERTO RICO AND VIRGIN ISLANDS
SEPTEMBER 1989

STATION	TEMPERATURE (°F)										NO. OF DAYS			PRECIPITATION (IN.)				SNOW, SLEET			NO. OF DAYS		
	AVERAGE MAXIMUM	AVERAGE MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	HIGHEST	DATE	LOWEST	DATE	HEATING DEGREE DAYS	COOLING DEGREE DAYS	MAX 90 OR ABOVE	MAX 59 OR BELOW	MIN 59 OR BELOW	TOTAL	DEPARTURE FROM NORMAL	GREATEST DAY	DATE	TOTAL	MAX. DEPTH ON GROUND	DATE	.10 OR MORE	.50 OR MORE	1.00 OR MORE
ST THOMAS 01																							
DOROTHEA AES	M	M	M		91	28	71	28+			3	0	0	20.04				.0	0		1	0	0
ESTATE FORT MYLNER	M	M	M											13.33		4.50	25	.0	0		20	6	2
RED HOOK BAY	M	M	M		93	13+	73	13+			7	0	0			.71	14	M	0		2	1	0
TRUMAN FLD FAA AP	M	M	M															M	M				
WATER ISLE	M	M	M		94	14+	75	11			15	0	0	9.57		5.20	18	.0	0		8	4	2
WINTBERG	M	M	M															M	M				
--DIVISIONAL DATA------->														14.31	8.21								
ST CROIX 02																							
ALEX HAMILTON FLD FAA	M	M	M															M	M				
ANNALY	M	M	M											14.18		3.91	18	.0	0		11	7	3
ANNAS HOPE	M	M	M											16.16	10.13			.0	0		0	0	0
BETH UPPER NEW WORKS	M	M	M															M	M				
CHRISTIANSTED FORT	M	M	M															M	M				
COTTON VALLEY 2	M	M	M											M 4.63				.0	0		6	0	0
EAST HILL	M	M	M															M	M				
ESTATE THE SIGHT	M	M	M											M 5.23		1.45	11	.0	0		10	4	1
FOUNTAIN	M	M	M											15.61				.0	0		10	6	2
FREDERIKSTED 1 SE	M	M	M															M	M				
GRANARD	M	M	M															M	M				
HAM BLUFF L-H STN	M	M	M															.0	0		0	0	0
MONTPELLIER	M	M	M											11.00				.0	0		2	0	0
--DIVISIONAL DATA------->														14.24	8.14								
ST JOHN 03																							
CANEEL BAY PLANTATION	M	M	M											17.32		8.50	18	.0	0		10	4	2
CATHERINEBURG	83.7M	71.9M	77.8M		89	8	67	25	0	393	0	0	0	14.59		4.91	25	.0	0		13	4	3
CORAL BAY	M	M	M											16.06		6.60	18	.0	0		9	4	3
CRUZ BAY	87.6M	72.6M	80.1M		89	16+	69	23	0	462	0	0	0	15.87	9.90			.0	0		9	3	2
EAST END	M	M	M											11.53				.0	0		7	2	2
--DIVISIONAL DATA------->			79.0	-2.4										15.07	8.97								

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (INCHES)

PUERTO RICO AND VIRGIN ISLANDS
SEPTEMBER 1989

DAY OF MONTH

STATION	TOTAL	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	26	27	28	29	30	31
PUERTO RICO																																
NORTH COASTAL 01																																
ARECIBO 3 ESE	6.08					.25	.10		.10		*	1.45		.18		.60	.10	*	*	.40				.50	*	1.45				.95		
BARCELONETA 2	6.89		.21	.10	.09				.10	.09	2.00	.10		.20	.40	.30	.10	.20	1.00						.20	.75				.95	.10	
BORINQUEN AP	M 5.38															2.70	.04		-	-	-	1.80						.60	.02	.22		
CANDELARIA - TOA BAJA	9.44	.12		.46			.25		.17		.27		.17		.73	.23			.50	4.73	.10				1.28		.15		.28			
DORADO 2 WNW	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
QUEBRADILLAS	9.09	T				.30	.19		.07			.69	1.22	T		.60	*	*	*	1.50		.01	.80			3.20			T	.51		
RIO PIEDRAS EXP STA	M10.33	.08	.13	.14	.03		.17	.02	.43	.41	1.72	.85				1.17	.03	.39	-	-	.89	.51		.15	1.17	1.10	.11			.83		
SAN JUAN WSFO R	14.83	.05	.08	.11	T	.02		.28	1.61	.52	1.19	.01		.01	.23	T	.14	.10	8.84	.09	.59	T	.08	.62	.03	.10	.13	T		T		
TOA BAJA 1 SSW	9.36	.34	.06			.64	.06					1.15		.08	.25	.26				4.26	.41				1.05	.56	.08		.16			
SOUTH COASTAL 02																																
AGUIRRE CENTRAL	9.96					.20						.42	.47		.80	.20			*	.90			.70	2.60	3.67							
CENTRAL SAN FRANCISCO	7.23	.77			.07			.03			.66	.62	.04	.08		T	.12	.06	.06	.44	.51	.04	.28	1.61	1.60					.24	T	
COAMO 2 SW	6.92										.15	1.18			.02	.02		.16	.68	.14	1.32		1.22		1.93					.10		
ENSENADA	6.02								.10	.07	.39		.02	.04					.56	1.23		.56	1.73	1.00					.32			
LAJAS SUBSTATION	10.74	1.12									1.10	2.38			.12				.74	*	3.50			1.38						.40		
MAGUEYES ISLAND	6.36	.93							*	*	*	1.38	.02		.01		.26	*	*	*	.80		.01	*	*	2.33	.02		.60			
PONCE 4 E	7.40	.07		.10	.07							.59				.04		.01	*	.49	.02	.01	1.97	2.00	1.90					.13		
PONCE CITY	5.19										.84								.41	.74		.32		2.61					.17		.10	
SANTA ISABEL 2 ENE	M 5.47											1.11				.25			-	-		.67	.84	2.13	.40						.07	
SANTA RITA	10.26		.20	.10	.10		.08			1.15	1.15								*	*	1.75	.35	2.00	1.05	.35				1.37		.61	
NORTHERN SLOPES 03																																
CALERO CAMP	7.21					.49						.11	.25			2.34			*	.65	.05	.93	.08			1.84			.45	.02		
CANOVANAS	10.17	.10	.30	.25	.08	.04	.06	.60	.58	.20	.27	.60	.25	.22	.15	.08	.26	.57	3.10	.45	.12	.13	.14	.20	.30	.95	.06	.04	.05		.02	
FAJARDO	11.40	.03	.20	.24	.05		.08					.38			.38	1.10	.06	.23	*	6.25	.08		.32		.25	1.27	.03	.22	.05	.18		
HATO ARRIBA-ARECIBO	8.10			.17	.12		.20		.13		.66	1.00	.05	.18		1.17		.40	.28	1.29				.17	.37	1.60				.26	.05	
ISABELA SUBSTATION	10.07	T	.13		.09			T	T		.33	.64	.30			.54		.73	*	1.15		.05	.01	1.35	.20	.39			1.45	.35	2.36	
LA MUDA - CAGUAS	19.84	.07	.33	.10	.73		.19		1.00	.70		1.61	.03	.43	.15	.03	.45	.54	5.23	1.52		1.38	.67	.14	1.41	.02	.17	.43	2.49	.02		
MANATI 2 E	8.21	.13	.03	.02	.10	.06	.18	.01	.46	T	.18	1.20	T	.90	T	.50	T	.45	*	1.59	.01	1.06	T	.20	.60	.03	T			.50	T	
MORA CAMP	7.87				.28							1.10	.76			.10			*	1.98					1.10	.35			.32	.28	1.60	
RINCON POWER PLANT	M 1.64	-	*	*	*	*	*	*	*	*	*	*	*	*	.40	.10	-	*	*	*	*	*	*	*	.09	.32	.55	.10	.08			
TRUJILLO ALTO 2 SSW	M	.11	.10	.14	.10		.05		.69			.77		.02	.14	.07	-	-	*	-	-	-	-	-	-	-	-	-	-	-	-	
SOUTHERN SLOPES 04																																
BENAVENTE-HORMIGUEROS	11.57	1.60	*	.61	.22						1.03	2.02		.10			1.30		*	.50	.10		.37	.05	.67		1.00	.80	1.20			
CORRAL VIEJO	18.95	.18		2.98	.30	.10	.25	.40		1.74	.15	1.97	.50	.77	.10	.12	.64		.10	.78	.51	2.05	1.88	1.72	1.33			.25		.13		
GUAYABAL	10.41		.08	.05	.09	.06		.07	.11		.98	.20	.45	.05	.10	.30	.05	.42	1.10	.84	.10	2.40	.50	1.75	.10	.20	.16	.05	.10		.10	
GUAYAMA	M13.52							.23		*	*	.04	1.76		.30	.36		.03	2.85	.14		.04	1.26	2.20	4.12	.19					-	
HUMACAO 2 SSE	13.50			.08	.07						.25	1.50	.10	.50	1.08	.20	.16	.53	5.60		.05			.25	.80	.96	.67	.20	.40	.10		
JUANA DIAZ CAMP	7.63											.90			.04				*	.85			1.83	1.30		2.42	.04	.10		.15		
MAUNABO	9.82		.08			.04	.02	.03		.23	.02	.12	.49	.08	.10	.90	.12	.02	3.94	T	T	1.08	.13	.55	.12	1.24	.11	.07		.29	.04	
MAYAGUEZ CEER	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MAYAGUEZ AIRPORT	9.37		.25	.40	.35		T				2.00	.25				2.05	1.25		.65		.05		.92	.45	.30	.20				.25		
PATILLAS	10.42												.40	.20	.12	.25	.47	.33	1.10	2.00			2.00	.70	1.65	.52	.05	.15		.48		
PENUELAS 1 NE	14.20	.16		.98		.06				.28	1.50	2.29	.05	.62			.52		.17	.84	2.16	.54	.40	1.85	1.24	.10		.27		.17		
PUERTO REAL	12.10	.50	.65	1.00					.10	.30	.20			.90		2.45			.35	.70			.10	.65	.30	.15	3.00		.60		.15	
ROOSEVELT ROADS	M 6.80	T	.28	.08		T	.02	T	T	T	.91	.17	.05	.02	1.15	.01	.26	.34	-	.05		.16	.09	.05	.16	2.05			.90	.01	.04	
SABANA GRANDE 2 ENE	11.59		.90	.19	.17							2.80							.15	.90		4.15	.27		1.20					.86		
YABUCOA 1 NNE	12.44	.58		.44	.08					.06		.27	.19	.07	.07	.90		.95	4.10	.12			.17	.08	.86	.52	.50		.22	2.26		
YAUCO 1 NW	10.46	1.69	.08	.85	.15			.44		.05	.36	2.21	.25	.22	.01			.11	.22	.35	.86	T		1.09	1.05	T			T	.33	.14	
EASTERN INTERIOR 05																																
CAGUAS 1 W	3.85	.25	.30	.15	.10		.10	.05	.05										.75	1.00	.25	.10		.05	*	.45			.05	.15	.05	
CAYEY 1 E	14.63	T	T	T	.04	T	.02	.09	T		.06	1.67	.85	.02	.05	.32	.03	.31	2.88	2.70	.12		.80	2.51	1.88	.01	T	.13	T	.14	T	
CIDRA 1 E	15.28	.38		.57	.15	.27	.04			.47	.18	1.18	.16	.10	.39	.19	.20	1.05	4.00	1.30		.24	1.08	.74	2.02	.22	.05	.22	.08			
GUAVATE CAMP	M15.00								.10	.20	1.80	2.00	.10	.10		.10		2.00	1.90	1.80			.80	2.00	1.90	.10	.10		-			
GURABO SUBSTATION	16.53	1.20	.02	2.37	.04	.04	.08		.03	.08		.47	.52	.04	.27	.02	.13	.40	*	6.51	.01	.04	.10	.74	2.05		.30	.53	.19	.35		

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (INCHES)

PUERTO RICO AND VIRGIN ISLANDS
SEPTEMBER 1989

STATION	TOTAL	DAY OF MONTH 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	26	27	28	29	30	31
JAJOME ALTO	15.29			.03		.05	1.50		.01		.01	1.05		.62		.15	.05			*	*	.90	.97	6.32	2.40	1.14	.05		.04			
JUNCOS	14.06	.09		.23	.02	.03	.04				.05	.87	1.13	.04	.29	.24		.46	5.84			.67		1.37	1.54		.02	.08		1.04	.01	
PARAISO	20.68		.23									2.00	.39		1.75	.45	.42	.25	10.60	.40	.18		.19		.60	.50		.40	1.30	.70	.32	
PICO DEL ESTE	M14.81	.32	.35	.70	.10	.17	.12			.19	1.00	2.50	.50	.45	.71	2.00	.18	1.43	-	-	-	-	-	-	-	-	-	.38	.15	3.41	.15	
RIO BLANCO LOWER	27.91	.23	.61	.14	.02						*	1.80	.76	.20	.55	1.00	.14	*	*	13.55		4.05		.22	.70	.32	.05	.08		3.15	.34	
SAN LORENZO 3 S	18.54	.14	.22	.30	.05	T	T		.02	.08	.12	.78	.38	.18	1.08	.29	.32	.56	3.98	.98	T	T	1.38	2.16	1.84	.59	.21	.06	.14	2.09	.59	
WESTERN INTERIOR 06																																
ACEITUNA	12.90	.18				.15				.90									*	5.55	2.26	.84		.36	1.84					.48	.34	
ADJUNTAS 1 NW	20.50		4.05				.50	.20			2.55	.50		.65	.62		1.60		.25	3.30	1.80		.86		.82		1.10	.60	.45		.65	
ADJUNTAS SUBSTATION	14.49		2.23	.25	.11		.14			.08	.77	2.41	.12	.60	.19		.65	.20	.81	2.01	1.00		.09	.50	.68	.21	.17	.94	.22	.11		
ARECIBO OBSERVATORY	11.46	.16		.05	.04	.60	.60		.57	.15	.50	1.12				.25		.57	*	2.25		1.20		.05	.52	2.18			.30	.35		
BARRANQUITAS 2 SSW	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CACAOS-OROCOVIS	18.53	.10		.07		.12	1.20			.17	.18	2.95	.04	.70	.04	.64	T	.40	5.20	1.10	.20		.90	.10	1.57	.06	.07	.04	2.33	.35	T	
CERRO GORDO-CIALES	18.37	.51	.23	.12		.26		.04		.28	2.35	4.59	.09	.16	.59	.19	.10	.89	.64	4.50	.17	.21	1.12		.75					.41	.17	
CERRO MARAVILLA	17.25			.35		.30	.10				2.00	2.50	.15	.72	.55	.10			3.00	1.00	2.00		1.55	.32	1.58			.20	.50	.33		
COLOSO	12.30	.13		.57	.02	.06				.42	1.19		.05	.20	.15	.02	.61		1.16	.17		3.68	.73	.13	1.42			.85	.71	.03		
COROZAL SUBSTATION	13.95	.08	.15	1.40	*	.45	.32		.52	.20	.21	.73		.22	.03	.60	.08	.95	*	3.64		2.66		.25	1.35	.11						
DOS BOCAS	14.49	.13	.01	.05	.02	.87	.33	.08	.34	.47	1.96	1.81		.42		.33	.01	.56	.25	1.82	T	1.69	T	.47	.53	1.05				1.28	.01	
GUAJATACA DAM	8.43					.01	.25		.12	.10	.20	.90	.02	.02			.15	.25	.38	2.38			.20			2.40			.40	.45	.20	
HACIENDA CONSTANZA	M 7.22		.90	1.93							.69			.76	.65		-	-	-	-	-		.76		.09		1.44					
INDIERA ALTA	22.34	4.40	.27	.27	.12	T	T		.10	2.00	2.00	T	.90	.43	T	2.40	.25	.15	2.10	1.10	T	.80	T	1.65	.35	.40	.60	.35	.04	T	1.66	
JAYUYA	11.04	.07	.02		.24	.07	.81			.08	.33	1.63	.08	.29	.01	.03	.02	.06	.97	2.80	.56		.36	.15	1.10	.04	.02		.41	.89		
LARES 2 SE	14.35		.20	.10	.03	.06	.08			.55	3.40	1.41		.71	.11		.35	.07	.68	2.04			.32	.23	.79	1.62		.32	1.10	.18		
MARICAO 2 SSW	M17.90					4.20	.10						1.25	1.30	.35	.05	-	*	*	4.00	.60						2.00	.50		3.55		
MARICAO FISH HATCHERY	19.41		.89	1.01	1.10						3.31	2.02		1.98	1.24		1.10	1.20	1.06						.24	1.58	1.02	.33	.40	.93		
MONTE BELLO-MANATI	13.52					.12	.33	.25	1.07	.93	1.46	1.50	.29	.06			1.56		.53	1.42		.85		.27	.48	.30				2.10		
MOROVIS 1 N	13.22	.20	.60	.63	.20	.50	.37			.27	.32	1.47	.05			.67	.26	1.07	1.67	2.50		.93	.02	.15	1.26	.05	.03					
NEGRO-COROZAL	14.84	.25	1.24	.22	.10	.29	.53		1.15	1.14	.26	1.31	.09	.11	.05	.90		1.39	T	1.90	.23	.88	.77	.27	1.45	.05					.26	
SALTILLO 2-ADJUNTAS	18.43	.50	.27	1.31	.03		.03			.29	2.31	1.06	.19	.70	.65	.06	.53	.23	1.20	1.84	1.78	.02	.09	1.02	1.17		.11	1.83	.11	1.10		
SAN SEBASTIAN 2 WNW	8.29				.20		.07				.47	1.65		.05	.06	.40	.06	.09	.35	1.55		.70			.35	.63			.34	1.02	.30	
TORO NEGRO FOREST	13.87					.45	.15			.44	1.02	T	.58	T		.10	T	.17	2.00	3.48	1.32	T	1.62	T	2.43			.03	.08	T		
UTUADO	13.44	.36	.01		.04	.15	.30	.07		1.48	2.41	1.93		.18		.05	.39	.49	.74	2.23	.03	.10	.03		.79	.13			1.38	.15		
VILLALBA 1 E	15.47								1.83	.62	.20	.13				.51	1.04		3.08	2.08	.42	.80	.73	2.08	.50	.31					1.14	
OUTLYING ISLANDS 07																																
MONA ISLAND 2	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
VIEQUES ISLAND #2	M			.40							.90		.30			.65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
VIRGIN ISLANDS																																
ST THOMAS 01																																
DOROTHEA AES	20.04	*	*	*	*	*	*	*	*	*	*	*	*	1.83	.15	.06	*	*	*	*	*	*	*	*	*	*	18.00		T	T	*	
ESTATE FORT MYLNER	13.33			.10		.22				.18	.22	.48	.19				.12		.10	.22	2.76	.15	.24	.32	.60	4.50	.88	.42	.55	.18	.90	
ESTATE HOPE	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
RED HOOK BAY	M		*	*	*	.11	*	.02	*	*	*	.49	.06		.71	.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TRUMAN FLD FAA AP	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
WATER ISLE	9.57	.07	.06	.02		T	.03			.92		.25	T		.03	.26	.04	.02	5.20	.15		.02	1.40		.40			.70				
WINTBERG	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ST CROIX 02																																
ALEX HAMILTON FLD FAA	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ANNALY	14.18		.18	.08			.30		*	1.28	.52	1.32			.32	.32	.85		3.91	.50	*	*	2.42			1.60				.58		
ANNAS HOPE	16.16	*	*	*	*	*	*	*	*	*	*	1.60	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	14.56	
BETH UPPER NEW WORKS	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CHRISTIANSTED FORT	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
COTTON VALLEY 2	M 4.63		.06	.02						.19	.09	.33	.15		.41	.24		.04	-	-	-	-	*	2.70						.40		
EAST HILL	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ESTATE THE SIGHT	M 5.23		.03	.14	.08	T	.01		.07	.33	.04	1.45	.40	.01	.18	.07	T	.08	-	-	-	-	.60	.59	.07	.54	.01			.31	.22	
FOUNTAIN	15.61		.03				.26				.47	.79	.08		.61	.53		*	*	9.20	.20	1.16			1.08			.95	.25			
FREDERIKSTED 1 SE	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
GRANARD	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
HAM BLUFF L-H STN	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*	*	11.20	-	-	-	-	-	-	-	-	-	-	-	
MONTPELLIER	11.00	.02	.22	.08			.22		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	10.46		

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (INCHES)

PUERTO RICO AND
VIRGIN ISLANDS
SEPTEMBER 1989

STATION	TOTAL	DAY OF MONTH																														
		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	26	27	28	29	30	31
ST JOHN 03																																
CANEEL BAY PLANTATION	17.32	.03		.13	.08		T	T	T	.64	T	.27	.09		.09	.03	.09		8.50	.58		.39				5.92	.12	.13		.21	.02	
CATHERINEBURG	14.59	.02	.02	.20	.02	.06	.10		.05	.11	T	.40	.01	.01	.23	.08	.08	.27	4.90	.45	.09	.41	.73	1.18	.02	4.91	.10	.04		*	.10	
CORAL BAY	16.06		.03	.13		T	T			T	.10	.60	T	.20		.10	.24	3.00	6.60	.06					T	5.00	T					
CRUZ BAY	15.87	.01		.21					.01	.53		.27	.14	.10	.25	.04	.11	*	*	*	7.53	*	1.88	1.61	.01	3.00	.08	.05		.04		
EAST END	11.53		.08	.10	.02	.01	.02					.27		.08	.20	.01		.02	*	7.35		.02	1.17	.46	.01	1.51	.03	.03	.03		.11	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES (°F)

PUERTO RICO AND VIRGIN ISLANDS
SEPTEMBER 1989

STATION	OB. TIME	MAX/MIN	DAY OF MONTH 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	26	27	28	29	30	31	AVERAGE
PUERTO RICO																																		
NORTH COASTAL 01																																		
ARECIBO 3 ESE	08	MAX	91	91		87	90	89	88	91	91			91	90	91	90	91			89	91	89	91	88		89	89	90	90	88	87		89.7
		MIN	71	71		70	71	73	73	69	70		71	71	70	71	70	72			73	72	72	71	71		68	71	69	70	68	67		70.6
BORINQUEN AP	08	MAX	90	90	90	92	92	92	91	92	93	90	90	92	90	91	79	87	86	87	86	86	88	88	88	81	88	87	89	88	89	89		88.7
		MIN	75	74	75	75	75	75	75	74	74	72	72	74	72	73	71	71	70	70	70	72	73	73	73	77	72	71	72	71	72	72		72.8
RIO PIEDRAS EXP STA	08	MAX	89	88	88	87	89	88	89	91	90	92	89	90	89	89	92	89	89		88	87	88	90	92	89	91	88	88	87	89	91		89.2
		MIN	73	73	71	73	75	74	73	74	75	75	75	75	73	70	75	75	73		74	73	74	74	75	74	72	71	70	70	71	74		73.2
SAN JUAN WSFO	MID	MAX	90	89	88	90	90	90	90	90	90	90	90	89	89	91	89	89	88	82	92	91	91	87	85	88	88	86	88	88	92	89		89.0
		MIN	76	75	77	80	78	78	76	74	76	74	75	76	76	76	76	77	78	74	77	74	75	74	73	74	73	75	75	75	74	76		75.6
SOUTH COASTAL 02																																		
AGUIRRE CENTRAL	07	MAX	91	92	92	92	92	92	92	92	90	90	92	91	90	90	89	90	89	89	91	80	81	80	79	76	79	79	79	78	79	79		86.5
		MIN																							70	70	71	71	71	69	70	68		M
LAJAS SUBSTATION	08	MAX	91	91	92	92	93	94	93	94	95	95	93	92	91	91	92	91	91	91	94	89	91	91	90	91	90	90	90	91	89	90		91.6
		MIN	66	66	66	66	65	66	66	67	67	67	67	67	68	67	66	67	66	70	80	77	71	70	69	70	69	69	70	70	69	68		68.4
MAGUEYES ISLAND	07	MAX	91	93	93	94	91	96	94				91	89	92	92	91	92				92	90	89			90	89	90	90	90	90		91.3
		MIN	72	73	74	76	78	78	76				73	77	72	76	76	73				75	76	74			73	74	72	71	74	73		74.4
PONCE 4 E	08	MAX	90	89	90	89	95	92	93	92	92	90	95	90	90	91	91	91	93		94	89	91	89	83	78	88	88	88	88	88	87		89.8
		MIN	71	72	70	75	75	72	73	72	68	69	71	76	73	75	75	74	73		74	74	74	70	72	71	73	73	73	69	72	69		72.3
NORTHERN SLOPES 03																																		
FAJARDO	07	MAX	89	89	89	88	90	89	89	92	91	91	91	90	90	89	89	88	89		90	91	88	89	87	85	86	86	82	87	87	87		88.6
		MIN	78	75	76	76	80	77	74	72	71	74	69	68	72	76	73	78	72		73	74	75	72	74	75	70	72	73	72	71	71		73.6
ISABELA SUBSTATION	08	MAX	86	87	85	85	86	86	86	89	88	90	87	85	87	86	88	87	87			88	90	88	86	86	87	86	85	85	85	87		86.7
		MIN	74	72	72	72	78	74	72	69	72	72	71	71	73	71	70	72	74			72	71	71	71	70	70	72	70	70	69	70		71.6
MANATI 2 E	08	MAX	87	87	87	85	88	86	86	86	85	87	87	90	84	86	87	86	87		78	80	88	88	86	86	88	86	85	85		89		86.1
		MIN	74	74	74	76	78	75	72	70	74	74	73	76	72	73	74	74	78		77	79	72	72	72	71	72	74	71	72	72	72		73.7
RINCON POWER PLANT	08	MAX														85	88									89	88	90	89	90	88	89		M
		MIN														73	73									74	73	72	73	73	73	73		M
TRUJILLO ALTO 2 SSW	09	MAX	88	88	88	90	90	88	89	91	91	92	88	90	90	90	90																	M
		MIN	77	77	77	73	76	75	76	74	74	73	72	73	72	74	73																	M
SOUTHERN SLOPES 04																																		
BENAVENTE-HORMIGUEROS	08	MAX	90		89	89	87	91	91	91	92	92	90	87	90	89	87	89	91		87		89	90	87	89	91	90	90	88	90	89		89.4
		MIN	69		69	70	70		66	70	73	71	71	72	67	69	69	69	68		75		73	72	71	69	70	69	67	67	69	72		69.9
GUAYAMA	08	MAX	89	89			94	94	91	90			92	88	88	89	89	88		84	90	90	91	87	81	79	85	86	86	86	87			88.0
		MIN	80	79			80	79	78	75			74	74	75	76	77	75		79	74	76	76	72	73	76	77	78	77	75	75			76.3
HUMACAO 2 SSE	07	MAX	91	91	90	91	91	91	92	94	92	91	93	90	90	90	90	91	92	90	88	88	89	89	89	88	80	89	89	89	89	88		89.8
		MIN	69	68	67	67	67	66	68	67	66	64	69	72	72	69	69	69	70	68	69	68	69	68	68	67	64	65	66	68	66	71		67.9
MAYAGUEZ CEER	08	MAX																																M
		MIN																																M
YABUCOA 1 NNE	08	MAX	88	87	86	87	90	92	93	93	90	92	92	90	90	91	92	89	92	92	82	83	90	93	84	89	89	86	86	86	87	86		88.9
		MIN	72	71	71	74	73	72	74	69	72	71	72	73	75	73	73	73	73	71	72	75	75	70	72	70	70	71	71	71	69	73		72.0
EASTERN INTERIOR 05																																		
CAYEY 1 E	08	MAX	87	86	86	86	88	85	86	87	87	85	88	86	85	86	85	87	87															M
		MIN	70	67	67	72	73	70	64	62	67	67	68	72	69	69	71	67	73															M
GURABO SUBSTATION	08	MAX	88	90	90	90	90	89	90	93	91	91	91	90	90	90	89	91	90				92	90	86	82	89	89	85	87	89	87		89.2
		MIN	64	65	64	69	71	64	65	63	68	68	68	66	64	68	68	66	66				68	65	68	67	63	65	63	62	64	65		65.8

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES(°F)

PUERTO RICO AND VIRGIN ISLANDS
SEPTEMBER 1989

STATION	OB. TIME	MAX/MIN	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	26	27	28	29	30	31	AVERAGE
JUNCOS	07	MAX	89	86	88	88	90	89	89	91	90	90	90	88	88	88	89	89	88	85														M
		MIN	70	72	71	72	73	75	73	70	73	73	73	72	72	72	74	72	75															M
PICO DEL ESTE	16	MAX	71	71	72	71	71	74	75	76	73	74	73	70	69	70	70	71	70												69	72		M
		MIN	64	64	65	65	65	65	64	64	64	64	63	65	65	64	66	66	66												62	65		M
WESTERN INTERIOR	06																																	
ADJUNTAS SUBSTATION	08	MAX	84	86	83	83	86	83	83	85	87	86	87	81	83	83	82	84	84	82	74	82	85	84	81	79	87	83	82	82	84	84		83.3
		MIN	56	55	54	58	63	58	52	49	56	56	56	56	52	56	56	56	60	60	58	56	55	56	58	57	62	56	52	50	54	52		55.8
ARECIBO OBSERVATORY	06	MAX	81	87	87	87	87	85	87	84	90	88	88	88	88	88	88	89	87		83	88	91	80	88	80	90	85	86	87	86	89		86.6
		MIN	59	60	61	72	69	71	68	69	67	67	65	65	70	69	66	66	65		65	70	69	70	68	69	69	68	67	66	65	65		66.9
BARRANQUITAS 2 SSW	07	MAX																																M
		MIN																																M
CERRO MARAVILLA	09	MAX	68	71	68	66	65	65	69	73	73	72	68	67	69	69	67	72					70	68	67	66	63	66	69	68	67	66		68.2
		MIN	61	66	61	61	63	61	62	66	69	65	60	62	61	62	63	61					67	62	64	60	60	61	61	63	59	62		62.4
COLOSO	08	MAX	91	90	89	90	89	91	92	94	93	93	91	92	91	91	90	91	90	89	88	91	94	89	82	92	90	89	91	89	92	91		90.5
		MIN	67	68	71	71	70	68	67	69	68	68	68	67	67	62	69	70	69	68	69	69	67	69	65	67	68	65	70	66	66	67		67.8
COROZAL SUBSTATION	08	MAX	88	89	89		87	87	87	91	90	89	89	88	87	88	87	87	85		86	91	91	88	86	78	89	86	85	87	87	92		87.6
		MIN	67	67	68		67	68	65	64	67	68	66	68	66	66	66	67	70		66	67	67	65	66	66	65	66	65	66	66	67		66.5
DOS BOCAS	08	MAX	86	87	87	87	88	87	86	90	91	77	89	89	87	89	89	87	88	86	79	90	91	91	91	80	89	89	86	87	85	89		87.2
		MIN	72	71	71	71	73	73	69	68	68	72	71	71	70	70	70	70	70	74	72	72	71	71	71	69	69	69	69	69	69	70		70.5
MARICAO 2 SSW	09	MAX	83	81	82	80	84	79	82	82	84	82	83	81	82	81	79											79	79	83	81	80		M
		MIN	66	69	67	64	66	67	66	66	67	65	64	67	66	66	67		66	66	64	65	63					64	68	67	63	67		65.8
SAN SEBASTIAN 2 WNW	08	MAX	93	92	91	92	94	92	91	92	92	92	93	88	91	92	92						93	92	92	92	92	92	92	92	93	92		92.0
		MIN	69	68	67	68	69	70	68	67	68	67	69	69	67	68	67						68	69	67	68	67	69	66	65	67	68		67.8
UTUADO	08	MAX	88	89	88	87	90	88	86	90	91	90	91	88	87	90	87	88	89	86	75	88	91	85	88	80	91	86	88	89	90	89		87.8
		MIN	69	68	68	68	73	71	65	63	63	69	68	68	67	67	67	67	68	72	70	68	68	67	67	66	66	68	64	65	66	67		67.4
OUTLYING ISLANDS	07																																	
MONA ISLAND 2	07	MAX																																M
		MIN																																M
VIEQUES ISLAND #2	07	MAX	87	87	87	87	89	89	90	90	88	88	89	87	87	87	87																	M
		MIN	73	71	68	72	74	73	71	72	74	71	70	75	75	74	73																	M
VIRGIN ISLANDS																																		
ST THOMAS	01																																	
DOROTHEA AES	08	MAX													90	88	85											90		91				M
		MIN													72	71	74											71		71				M
RED HOOK BAY	09	MAX	90				91		91				93	93	93	91	89																	M
		MIN	85				74		73				73	73	73	74	76																	M
TRUMAN FLD FAA AP	20	MAX																																M
		MIN																																M
WATER ISLE	08	MAX	92	92	92	92	92	90	93	92	84	92	88	94	94	94	93	91	90															M
		MIN	76	80	80	78	81	78	78	78	77	78	75	79	80	76	76	78	79															M
ST CROIX	02																																	
ALEX HAMILTON FLD FAA	08	MAX																																M
		MIN																																M
BETH UPPER NEW WORKS	08	MAX																																M
		MIN																																M
CHRISTIANSTED FORT	08	MAX																																M
		MIN																																M

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES(°F)

PUERTO RICO AND
VIRGIN ISLANDS
SEPTEMBER 1989

STATION	OB. TIME	MAX/MIN	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	26	27	28	29	30	31	AVERAGE
ST JOHN 03																																		
CATHERINEBURG	08	MAX	84	85	85	83	86	83	85	89	84	88	82	85	85	83	86	85	82		77	82	85	80	76	82	85	82	84	85		85		83.7
		MIN	74	73	72	74	73	72	73	73	72	74	70	75	73	72	72	74	72	69	72	73	70	69	68	74	67	71	71	72		72		71.9
CRUZ BAY	08	MAX	89	89	89	89	89	89	89	89	89	88	88	88	89	89	89	89							82	86	78	87	87	87	87	87		87.6
		MIN	72	72	72	72	72	72	72	72	72	75	75	75	75	75	75	75							69	75	71	71	71	71	71	71		72.6

SEE REFERENCE NOTES FOLLOWING STATION INDEX

EVAPORATION AND WIND

PUERTO RICO AND VIRGIN ISLANDS
SEPTEMBER 1989

STATION		DAY OF MONTH 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	26	27	28	29	30	31	TOTAL OR AVG
PUERTO RICO																																	
NORTH COASTAL 01																																	
RIO PIEDRAS EXP STA	WIND	18	21	19	23	36	41	19	16	14	16	16	11	22	22	18	23	30	*	40	59	93	40	17	22	25	34	33	28	30	24		910
	EVAP	16	22	18	15	21	25	20	17	15	26	18	13	22	7	33	14	19	-	-	-	31	21	15	7	-	21	24	12	14	23		5.64B
	MAX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		M
	MIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		M
SOUTH COASTAL 02																																	
LAJAS SUBSTATION	WIND	14	37	13	16	12	17	14	13	3	7	4	16	13	18	14	13	11	19	31	48	18	43	19	28	11	36	22	20	21	9		560
	EVAP	17	19	20	23	14	17	13	14	18	14	23	13	17	8	10	17	15	17	20	18	15	15	18	17	17	13	17	14	23	14		4.90
	MAX	98	99	98	100	101	98	98	101	101	100	101	100	100	101	100	99	99	100	100	100	100	100	99	100	100	100	99	98	100	101		99.7
	MIN	70	70	69	70	70	69	71	71	71	70	70	70	69	69	70	69	69	69	70	72	71	70	69	69	69	69	70	70	68	69		69.7
PONCE 4 E	WIND	31	44	42	29	57	48	36	34	36	34	50	44	36	54	39	35	44	*	221	44	26	32	33	35	41	36	40	29	46	28		1304
	EVAP	24	28	26	19	32	33	26	32	32	24	29	17	20	27	18	24	26	*	39	19	24	-	-	-	22	25	23	16	25	20		7.22B
	MAX	97	92	96	91	96	97	97	100	99	94	98	93	92	95	90	94	101	-	96	93	99	95	94	76	94	93	94	92	97	93		94.4
	MIN	72	72	74	74	75	72	73	72	73	75	71	72	72	74	73	72	73	-	74	73	75	70	72	71	70	72	71	70	68	73		72.3
NORTHERN SLOPES 03																																	
ISABELA SUBSTATION	WIND	94	67	77	90	162	138	63	24	40	24	62	20	74	83	24	60	101	*	*	69	35	33	15	18	51	55	69	49	48	19		1664
	EVAP	21	18	19	10	30	22	16	17	23	10	21	7	18	24	11	12	23	-	-	20	13	16	14	7	19	16	20	18	20	15		5.14B
	MAX	90	88	89	84	89	88	90	91	92	89	91	81	86	89	84	86	87	-	-	87	90	91	82	83	89	86	87	86	88	85		87.4
	MIN	69	69	69	70	72	71	68	70	70	69	68	68	69	69	67	68	67	-	-	70	70	70	69	67	66	69	67	68	69	73		69.0
SOUTHERN SLOPES 04																																	
YABUCOA 1 NNE	WIND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		M
	EVAP	19	17	22	16	27	24	17	27	15	19	19	16	23	22	19	22	19	-	18	15	17	12	9	15	17	15	17	22	28	12		5.59B
	MAX	94	93	94	92	98	99	96	102	92	100	101	92	97	98	97	98	99	99	90	89	97	99	87	89	98	87	92	90	97	93		95.0
	MIN	72	74	74	75	75	74	72	71	71	71	72	72	73	72	72	72	72	70	70	69	73	70	70	71	70	70	70	71	70	70		71.6
EASTERN INTERIOR 05																																	
GURABO SUBSTATION	WIND	15	36	11	31	41	38	26	17	30	24	30	37	38	44	33	22	28	*	280	29	26	19	35	12	65	28	20	13	40	31		1099
	EVAP	7	20	-	19	24	18	15	14	16	13	18	23	21	28	19	14	22	-	-	25	12	13	16	-	29	17	13	10	22	14		5.33B
	MAX	85	96	86	94	98	96	97	95	95	95	97	94	94	95	95	95	97	-	90	94	92	95	89	82	98	90	95	86	95	91		93.1
	MIN	74	83	72	73	77	76	75	74	74	72	73	74	73	74	75	74	74	-	72	86	85	73	75	71	72	72	71	71	71	72		74.4
WESTERN INTERIOR 06																																	
ADJUNTAS SUBSTATION	WIND	23	19	16	21	40	20	16	12	8	9	47	32	20	16	29	20	21	65	70	20	21	6	28	32	28	30	16	11	18	20		734
	EVAP	14	-	12	12	18	16	20	22	11	13	-	11	16	17	13	16	14	17	11	11	11	8	23	3	16	30	-	21	11	19		4.51B
	MAX	87	92	88	87	94	90	91	92	90	90	93	85	86	85	84	91	89	86	78	85	94	82	85	72	92	98	90	89	90	89		88.1
	MIN	64	63	64	65	68	67	64	62	62	64	63	64	62	63	65	64	65	65	64	65	66	64	65	62	67	65	61	66	62	64		64.2
COROZAL SUBSTATION	WIND	17	19	16	*	52	21	19	14	13	11	27	20	16	24	17	28	13	*	173	16	16	13	24	15	42	28	32	28	30	18		762
	EVAP	10	24	-	-	-	14	15	14	22	3	17	9	9	15	9	16	8	-	-	13	-	11	16	5	12	13	15	17	16	18		4.01B
	MAX	90	95	95	-	91	94	94	92	95	96	95	90	90	93	88	90	95	-	89	93	94	92	97	75	91	92	92	93	91	95		92.0
	MIN	70	70	70	-	70	71	69	68	70	70	69	69	69	70	69	70	70	-	67	69	69	69	70	70	68	69	68	68	69	70		69.3

EVAPORATION: IS MEASURED IN HUNDRETHS OF INCHES
WIND: IS MEASURED IN MILES
MAX AND MIN: THE MAXIMUM AND MINIMUM TEMPERATURES (FAHRENHEIT) OF THE WATER IN THE EVAPORATION PAN
SEE REFERENCE NOTES FOLLOWING STATION INDEX

STATION INDEX

STATION	INDEX NO.	DIVISION	COUNTY	LATITUDE	LONGITUDE	ELEVATION (IN FEET)	OBSERVATION TIME AND TABLES LOCAL STD TIME: TEMP	PRECIP	EVAP	SPECIAL (SEE NOTES)	OBSERVER
PUERTO RICO											
ACEITUNA	0040	06	PONCE	18 9	66 30W	2140		08			MIGUEL LOPEZ-BONILLA
ADJUNTAS 1 NW	0053	06	PONCE	18 11	66 44W	1500		07			OBISPO MOLINA
ADJUNTAS SUBSTATION	0061	06	PONCE	18 11	66 48W	1830	08	08	08	C	AGRI RESEARCH CENTER
AGUIRRE CENTRAL	0152	02	GUAYAMA	17 58	66 13W	25	07	07			SUGAR CORPORATION OF PR
ARECIBO 3 ESE	0410	01	ARECIBO	18 27	66 41W	10	08	08			COMET RICE OF PR, INC
ARECIBO OBSERVATORY	0426	06	ARECIBO	18 21	66 46W	1060	06	06			ARECIBO OBSERVATORY
BARCELONETA 2	0662	01	ARECIBO	18 27	66 33W	12		06			PEDRO RAMOS
BARRANQUITAS 2 SSW	0736	06	GUAYAMA	18 10	66 19W	1980	07	07			HECTOR R ORTIZ-COLON
BENAVENTE-HORMIGUEROS#	0900	04	MAYAGUEZ	18 7	67 6W	45	08	08		C	CORP. AZUCARERA DE PR
BORINQUEN AP	0974	01	MAYAGUEZ-AGU	18 30	67 8W	229	08	08			PUERTO RICO PORTS AUTH
CACAOS-OROCOVIS	1142	06	PONCE	18 14	66 30W	1820		07			VICTOR SERRANO-TORRES
CAGUAS 1 W	1309	05	GUAYAMA	18 14	66 3W	260		07			MUNICIPAL CEMETERY 3
CALERO CAMP	1345	03	MAYAGUEZ	18 29	67 7W	246		08			PR ELECTRIC POWER AUTH
CANDELARIA - TOA BAJA	1536	01	BAYAMON	18 25	66 14W	240		07			CHARLES E PENNOCK
CANOVANAS	1590	03	CAROLINA	18 23	65 54W	40		08			FRANC REXACH-PADILLA
CAONILLAS-UTUADO	1623	06	ARECIBO	18 17	66 39W	854		07			INACTIVE 05/01/88
CAYEY 1 E	1901	05	GUAYAMA	18 7	66 9W	1370	08	08		C	USGS GEOPHYSICAL OBS
CENTRAL SAN FRANCISCO	2316	02	MAYAGUEZ	17 59	66 49W	30		06			CENTRAL SAN FRANCISCO
CERRO GORDO-CIALES	2330	06	ARECIBO	18 17	66 31W	955		07			JOSE A COLOM COLLEGE
CERRO MARAVILLA	2336	06	PONCE	18 9	66 33W	4002	09	09		C	DEP TRAN Y OBRAS PUBLICA
CIDRA 1 E	2634	05	GUAYAMA	18 11	66 9W	1400		07			PRAXEDES PEDRAZA
COAMO 2 SW	2723	02	PONCE	18 3	66 23W	220		08			HDC MANAGEMENT INC
COLOSO	2801	06	MAYAGUEZ	18 23	67 9W	40	08	08			SUGAR CORPORATION OF PR
COROZAL SUBSTATION	2934	06	ARECIBO	18 20	66 22W	650	08	08	08	C	AGRI RESEARCH CENTER
CORRAL VIEJO	3023	04	PONCE	18 4	66 39W	400		08			CARLOS O ARMSTRONG
DORADO 2 WNW	3409	01	ARECIBO	18 28	66 18W	59		08			DORADO BEACH HOTEL
DOS BOCAS	3431	06	ARECIBO	18 20	66 40W	200	08	06		C	BOARD OF WATER COMM
ENSENADA	3532	02	MAYAGUEZ	17 58	66 56W	6		08			PR SUGAR CORPORATION
FAJARDO	3657	03	HUMACAO	18 19	65 39W	30	07	07		C	SUGAR CORPORATION OF PR
GUAJATACA DAM	3904	06	AGUADILLA	18 24	66 56W	683		07			AEE-GUAJATACA DAM
GUAVATE CAMP	4115	05	GUAYAMA	18 7	66 4W	2560		08			GUAVATE PRISON CAMP
GUAYABAL	4126	04	PONCE	18 4	66 29W	370		07			FLOR BURGOS
GUAYAMA	4193	04	GUAYAMA	17 59	66 7W	180	08	08			AUTH DE ENERG ELECTRICIA
GURABO SUBSTATION	4276	05	HUMACAO	18 15	66 0W	160	08	08	08	C	GURABO AES
HACIENDA CONSTANZA	4330	06	MAYAGUEZ	18 13	67 5W	480		08			EDUCATION & LABOR CEN
HATO ARRIBA-ARECIBO	4340	03	ARECIBO	18 27	66 46W	213		08			JUAN AMADOR-GUTIERREZ
HUMACAO 2 SSE	4613	04	HUMACAO	18 8	65 49W	90	07	07			PR SUGAR CORPORATION
INDIERA ALTA	4677	06	MAYAGUEZ	18 10	66 53W	2600		06			ANGEL NIGAGLIONI
ISABELA SUBSTATION	4702	03	MAYAGUEZ	18 28	67 4W	420	08	08	08		ISABELA AGR EXP SUBSTN
JAJOME ALTO	4867	05	GUAYAMA	18 5	66 9W	2385		06			PR POLICE DEPT
JAYUYA	4910	06	PONCE	18 13	66 35W	1540		06			PEDRO MARI-MERCADO
JUANA DIAZ CAMP	5020	04	PONCE	18 3	66 30W	200		08			PR ELECTRIC POWER AUTH
JUNCOS	5064	05	HUMACAO	18 15	65 55W	230	07	07			FELIX VERA - LIZARDI
LAJAS SUBSTATION	5097	02	MAYAGUEZ	18 3	67 3W	90	08	08	08		LAJAS AGRI EXP SUBSTN
LA MUDA - CAGUAS	5123	03	GUAYAMA	18 19	66 6W	290		09			AGUSTIN O'NEILL
LARES 2 SE	5175	06	AGUADILLA	18 17	66 51W	1520		07			ANTONIO PEREZ - SERRANO
MAGUEYES ISLAND	5693	02	MAYAGUEZ	17 58	67 3W	15	07	07			INST OF MARINE BIOLOGY
MANATI 2 E	5807	03	ARECIBO	18 26	66 27W	250	08	08			ROCHE PRODUCTS, INC
MARICAO 2 SSW	5908	06	MAYAGUEZ	18 9	66 59W	2832	09	09		C	WORA TV CHANNEL 5
MARICAO FISH HATCHERY	5911	06	MAYAGUEZ	18 10	66 59W	1500		08			MARICAO FISH HATCHERY
MAUNABO	6050	04	GUAYAMA	18 1	65 54W	45		07			JORGE A SUGRANES
MAYAGUEZ CEER	6073	04	MAYAGUEZ	18 13	67 8W	100	08	08			MAYAGUEZ CEER
MAYAGUEZ AIRPORT	6083	04	MAYAGUEZ	18 15	67 9W	38		07			PUERTO RICO PORTS AUTH

SEE REFERENCE NOTES FOLLOWING STATION INDEX

STATION INDEX

STATION	INDEX NO.	DIVISION	COUNTY	LATITUDE	LONGITUDE	ELEVATION (IN FEET)	OBSERVATION TIME AND TABLES LOCAL STD TIME TEMP	PRECIP	EVAP	SPECIAL (SEE NOTES)	OBSERVER
MONA ISLAND 2	6258	07	MAYAGUEZ	18 6	67 56W	7	07	07			PR DEPT OF NATURAL RES
MONTE BELLO-MANATI	6270	06	ARECIBO	18 23	66 31W	640		07			IRMA MALDONADO
MORA CAMP	6361	03	AGUADILLA	18 28	67 2W	410		08			AEE-OFICINA DE RIEGO
MOROVIS 1 N	6390	06	ARECIBO	18 20	66 24W	600		07			ANGEL F CLASS-CACHO
NEGRO-COROZAL	6514	06	BAYAMON	18 20	66 20W	1710		08		C	JOSE L FRAU
PARAISO	6805	05	HUMACAO	18 16	65 43W	330		07			ANGEL LOPEZ
PATILLAS	6900	04	GUAYAMA	18 0	66 1W	56		06			PUERTO RICO POLICE
PENUELAS 1 NE	6983	04	PONCE	18 4	66 43W	320		08			PEDRO MUNIZ-COLON
PICO DEL ESTE	6992	05	HUMACAO	18 16	65 45W	3448	16	16		C	FAA-PICO DEL ESTE RADAR
PONCE 4 E	7292	02	PONCE	18 1	66 32W	70	08	08	08	C	AGRI RESEARCH CENTER
PONCE CITY	7295	02	PONCE	17 59	66 38W	10		08			MUNICIPAL CIVIL DEFENSE
PUERTO REAL	7492	04	MAYAGUEZ	18 4	67 11W	30		08			GERALD TORRES
QUEBRADILLAS	7843	01	MAYAGUEZ	18 28	66 56W	372		08			PR ELECTRIC POWER AUTH
RINCON POWER PLANT #	8126	03	AGUADILLA	18 21	67 15W	105	08	08			DEFENS CIVIL MUNICIPAL
RIO BLANCO LOWER	8144	05	HUMACAO	18 15	65 47W	130		08			PR ELECTRIC POWER AUTH
RIO GRANDE EL VERDE	8245	05	HUMACAO	18 20	65 49W	600		08			INACTIVE 03/01/88
RIO PIEDRAS EXP STA	8306	01	SAN JUAN	18 24	66 3W	86	08	08	08		RIO PIEDRAS AG EXP STA
ROOSEVELT ROADS	8412	04	HUMACAO	18 15	65 38W	39		MID			NAVY WEATHER SERVICE
SABANA GRANDE 2 ENE	8536	04	MAYAGUEZ	18 5	66 56W	850		08			ISMAEL MONTALVO
SALTILLO 2-ADJUNTAS	8684	06	PONCE	18 8	66 44W	2850		07			PABLO NIEVES-RAMOS
SAN JUAN WSFO R	8812	01	SAN JUAN	18 26	66 0W	9	MID	MID		C J	WSRO PERSONNEL
SAN LORENZO 3 S	8815	05	HUMACAO	18 9	65 58W	510		08			JORGE DAVILA-QUINTANA
SAN LORENZO FARM 2 NW	8822	05	HUMACAO	18 12	65 58W	240		08			INACTIVE 12/01/88
SAN SEBASTIAN 2 WNW	8881	06	AGUADILLA	18 21	67 1W	170	08	08		C	PR SUGAR CORPORATION
SANTA ISABEL 2 ENE	8940	02	PONCE	17 58	66 22W	30		07			PR SUGAR CORPORATION
SANTA RITA	8955	02	MAYAGUEZ	18 1	66 53W	75		06			PR SUGAR CORPORATIOM
TOA BAJA 1 SSW	9421	01	BAYAMON	18 26	66 16W	20		06			MEDIA LUNA DAIRY
TORO NEGRO FOREST	9432	06	PONCE	18 11	66 30W	2848		08			PR DNR-TORO NEGRO FOREST
TRUJILLO ALTO 2 SSW	9521	03	SAN JUAN	18 20	66 1W	135	09	09			PR AQUEDUCT-SEWER AUTH
UTUADO	9608	06	ARECIBO	18 16	66 41W	520	08	08			DR ROBERTO RODIL-RIVERA
VIEQUES ISLAND #2	9766	07	HUMACAO	18 7	65 26W	245	07	07			ANASTACIO SANCHEZ
VILLALBA 1 E	9774	06	PONCE	18 8	66 29W	550		07			NICOLAS GARCIA-RODRIGUEZ
YABUCOA 1 NNE	9829	04	HUMACAO	18 4	65 52W	33	08	08	08	C	PR SUGAR CORPORATION
YAUCO 1 NW	9860	04	MAYAGUEZ	18 3	66 52W	180		08			MODESTO RIVERA
VIRGIN ISLANDS											
ALEX HAMILTON FLD FAA	0198	02	ST CROIX	17 42	64 48W	18	08	08			FAA
ANNALY	0240	02	ST CROIX	17 45	64 51W	700		07			BODIL LAWAETZ
ANNAS HOPE	0260	02	ST CROIX	17 44	64 44W	180		09			VI DEPT-PUBLIC WORKS
BETH UPPER NEW WORKS	0480	02	ST CROIX	17 43	64 48W	110	08	08	08	C	AGRI RESEARCH CENTER
CANEEL BAY PLANTATION	1316	03	ST JOHN	18 21	64 47W	60		08		C	CANEEL BAY PLANTATION H
CATHERINEBURG	1348	03	ST JOHN	18 21	64 45W	800	08	08			US NAT PARK SERVICE
CHRISTIANSTED FORT	1740	02	ST CROIX	17 45	64 42W	40	08	08			NATIONAL PARK SERVICE
CORAL BAY	1790	03	ST JOHN	18 20	64 42W	30		08			JASON DALMIDA
COTTON VALLEY 2	1810	02	ST CROIX	17 45	64 37W	140		08			JAMES P SKOV
CRUZ BAY	1980	03	ST JOHN	18 20	64 48W	10	08	08			NATIONAL PARK SERVICE
DOROTHEA AES	2440	01	ST THOMAS	18 22	64 58W	800	08	08		C	DOROTHEA AGRI EXP STN

SEE REFERENCE NOTES FOLLOWING STATION INDEX

STATION INDEX

STATION	INDEX NO.	DIVISION	COUNTY	LATITUDE	LONGITUDE	ELEVATION (IN FEET)	OBSERVATION TIME AND TABLES LOCAL STD TIME TEMP	PRECIP	EVAP	SPECIAL (SEE NOTES)	OBSERVER
EAST END	2551	03	ST JOHN	18 20	64 41W	150		08			JAMES N MEYER
EAST HILL	2560	02	ST CROIX	17 46	64 39W	120		07			AXEL L FREDERICKSEN
ESTATE FORT MYLNER	2823	01	ST THOMAS	18 20	64 53W	200		09			AMALIA MYLNER
ESTATE HOPE	2830	01	ST THOMAS	18 22	65 0W	390		07			LEOPOLD GILLIARD
ESTATE THE SIGHT	2870	02	ST CROIX	17 45	64 40W	130		08			WILLIAM H NORTON
FOUNTAIN	3150	02	ST CROIX	17 45	64 50W	250		07			FOUNTAIN VLY GLF COURSE
FREDERIKSTED 1 SE	3220	02	ST CROIX	17 42	64 52W	80		08			JOSE L GONZALEZ
GRANARD	3677	02	ST CROIX	17 43	64 43W	115		08			HENRY NELTHROPP
HAM BLUFF L-H STN	3880	02	ST CROIX	17 46	64 52W	80		08			TRACOR MARINE
LAMESHUR BAY	4820	03	ST JOHN	18 19	64 44W	170		08			INACTIVE 07/01/89
MONTPELLIER	4900	02	ST CROIX	17 46	64 45W	200		09			JUAN FUERTES
RED HOOK BAY	7600	01	ST THOMAS	18 19	64 51W	12	09	09			NATIONAL PARK SERVICE
TRUMAN FLD FAA AP	8905	01	ST THOMAS	18 20	64 58W	21	20	20			FAA
WATER ISLE	9222	01	ST THOMAS	19 1	64 57W	100	08	08			WILLIAM R.BLACKBURN
WINTBERG	9450	01	ST THOMAS	18 21	64 55W	560		07			SEDRIC HEYLIGER

SEE REFERENCE NOTES FOLLOWING STATION INDEX

REFERENCE NOTES

DEFINITIONS

STATION NAMES: Name of the city, town or locality. Figures and letters following the station names indicate the distance in miles and direction from the post office or town community center.

DIVISIONS: Areas within a state of similar climatological characteristics. Division averages are calculated using data from stations that record both temperature and precipitation (ie: not precipitation alone).

NORMALS: The average value of the meteorological element over a time period. Effective 1 January 1983, the averaging period is 1951 to 1980. The normals for National Weather Service localities have been adjusted so as to be representative for the current observation site.

MONTHLY DEGREE DAY TOTALS: One heating (cooling) degree day is accumulated for each whole degree that the daily mean temperature is BELOW (ABOVE) 65 degrees Fahrenheit.

PRECIPITATION: Values shown in hundredths of inches are water equivalent totals, i.e. total of liquid and melted frozen precipitation. In the "MONTHLY SUMMARIZED DATA" table the total snow and sleet values shown in tenths of inches are unmelted amounts. The max. depth on ground values of snow and sleet shown in whole inches are cumulative unmelted amounts. The no. of days with .10, .50, 1.00 or more refers to water equivalents.

TEMPERATURE: Original and edited temperature values are given in the Daily Temperature Table. Edited values are produced when an original value is missing or when surrounding stations indicate a suspect original value. When a line labeled OBS is present and contains either a daily temperature (suspect) or *** (missing), the temperature appearing directly above, on the line labeled MAX or MIN, is an edited value. Summary temperature information (averages, departures, extremes, monthly degree day totals) is based on the values labeled MAX/MIN.

WIND: (As shown in "Evaporation and Wind" table) The total wind movement in miles over the evaporation pan as determined by an anemometer recorder located 6-8 inches above the pan.

SYMBOLS AND LETTERS USED IN THE STATION INDEX TABLE

- # Thermometers located in a rooftop shelter.
- // Rain Gage equipped with a windshield.
- AR Observation made "after rain" has occurred.
- C Station is equipped with recording rain gage (R) but values in this bulletin are from a non-recording rain gage unless indicated by an R.
- G Observations appear in "Soil Temperatures" table.
- H Observations appear in "Snowfall and Snow on Ground" table.
- J Station also published as a Local Climatological Data publication.
- MID Observation time is midnight.
- MO Rain gage read once monthly, usually the last day.
- OC Rain gage readings vary from a few weeks to several months.
- R Amounts from recording rain gage.
- SR Observation time near sunrise.
- SS Observation time near sunset.
- VAR Observation time varies.
- WI Rain gage read weekly or irregularly.
- WM Rain gage read weekly and last day of month.

SYMBOLS AND LETTERS USED IN THE DATA TABLES

(DAILY DATA ARE FOR THE 24 HOURS IMMEDIATELY PRECEDING OBSERVATION TIME.)

BLANK entries in the "Monthly Summarized Data" table indicate no record.
BLANK entries in the "Daily Precipitation" and "Snowfall and Snow on Ground" tables indicate zero.
BLANK entries in the "Daily Temperature" table indicate a missing record where an edited value could not be determined. (See *** below)

- \- No record. Data not recorded, determined unreliable by quality control checks, or not received in time for publication.
- \+ Precipitation or temperature extremes occurred on one or more previous dates during the month.
- *** Missing original temperature which has been estimated during edit.
- * Rain gage not read. Precipitation is included in the amount following the asterisks. Time distribution not known. A * preceding the monthly total indicates precipitation amount is being carried forward to next months total, and may include amounts from the previous month(s).
- // Rain gage equipped with a windshield.
- A Amount of precipitation is the total of observer's entries for the current month. It may include precipitation that occurred during the previous month. Refer to earlier bulletin to determine date of last reading. (HAWAII stations)
- B Adjusted monthly value (estimated), (1-7 missing values for wind and evaporation).
- M Insufficient or partial data. M is appended to average and/or total values computed with 1-9 daily values missing. M appears alone if 10 or more daily values are missing, (8 or more for wind and evaporation).
- R Amounts from recording rain gage.
- T Trace. An amount too small to measure.
- V Includes total for previous month(s). (See * above)

Seasonal Tables: Monthly and seasonal snowfall and heating degree days for the 12 months ending with the June data are published in the July issue of this bulletin. Cooling degree days for the calendar year are published in the "Climatological Data Annual Summary".

The graphic displays appearing in this publication were first produced for the January 1987 data month. The types of graphs and the information they portray may vary from month to month and from state to state in order to highlight climatic features of state, regional, and seasonal interest. Some graphs present information for "clusters". A cluster is a group of up to four (4) adjacent divisions that comprise an area of similar climate.

Information concerning the history of changes in locations, exposure, etc. of substations is kept on file at the National Climatic Data Center. Historical information for regular National Weather Service Offices may be obtained from the "Local Climatological Data " annual publication. The contents of this publication may be reprinted or otherwise used freely, with proper credit to the National Climatic Data Center. The data are also available in digital form on magnetic tape and diskette.

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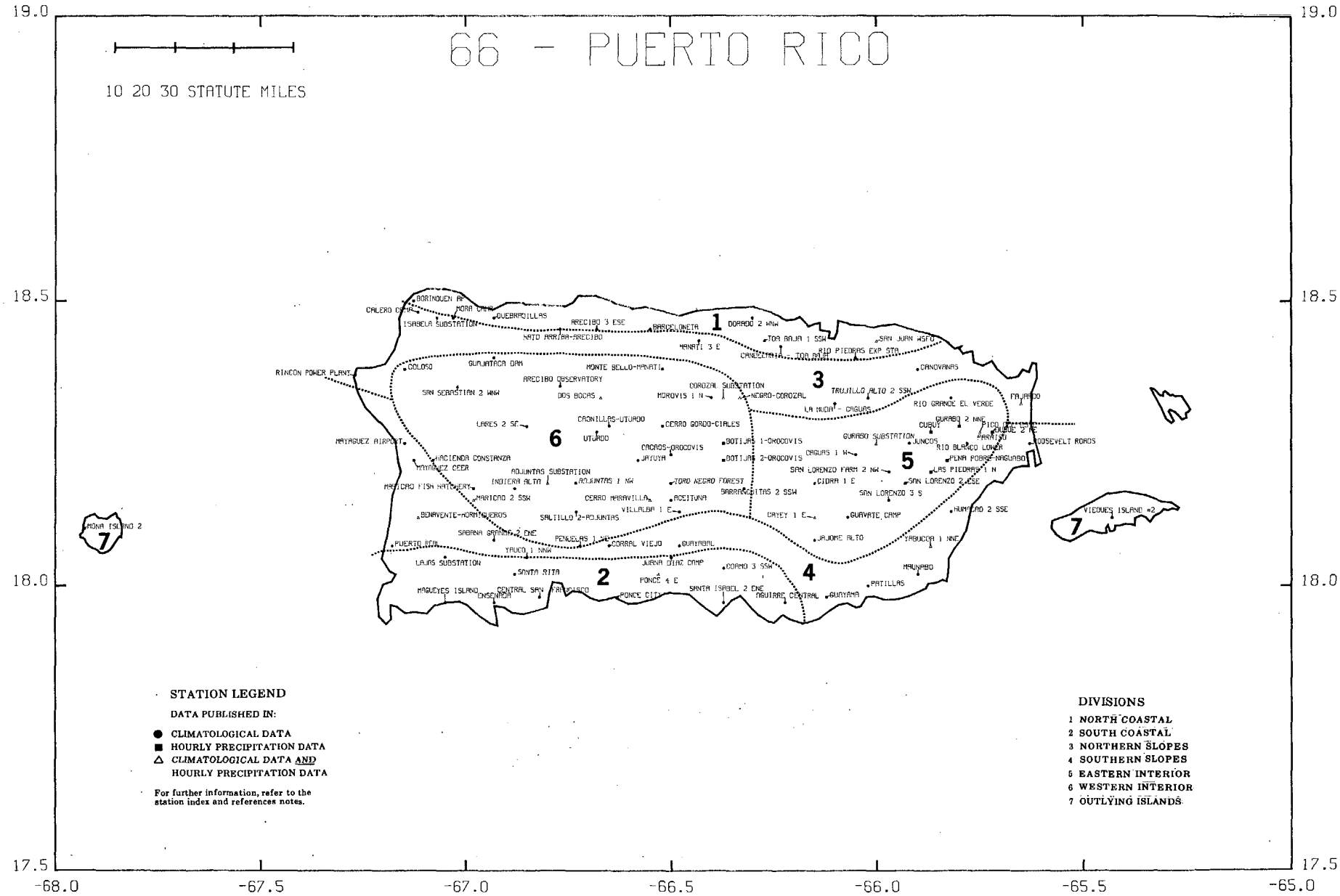
USCOMM-NOAA-ASHEVILLE, N.C. SEPTEMBER 1989-0360

66 - PUERTO RICO



STATION LEGEND

DATA PUBLISHED IN:

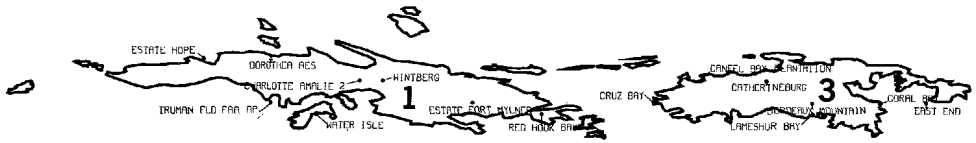
- ● CLIMATOLOGICAL DATA
- ■ HOURLY PRECIPITATION DATA
- △ *CLIMATOLOGICAL DATA* AND HOURLY PRECIPITATION DATA

For further information, refer to the station index and references notes.

DIVISIONS

1 NORTH COASTAL
2 SOUTH COASTAL
3 NORTHERN SLOPES
4 SOUTHERN SLOPES
5 EASTERN INTERIOR
6 WESTERN INTERIOR
7 OUTLYING ISLANDS

67 - U.S. VIRGIN ISLANDS



10 20 STATUTE MILES

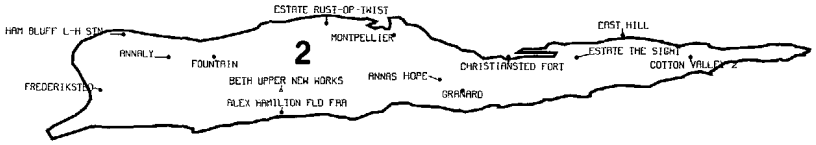
STATION LEGEND

DATA PUBLISHED IN:

- ● **CLIMATOLOGICAL DATA**
- ■ **HOURLY PRECIPITATION DATA**
- △ **CLIMATOLOGICAL DATA AND HOURLY PRECIPITATION DATA**

For further information, refer to the station index and references notes.

1 ST. THOMAS
2 ST. CROIX
3 ST. JOHN



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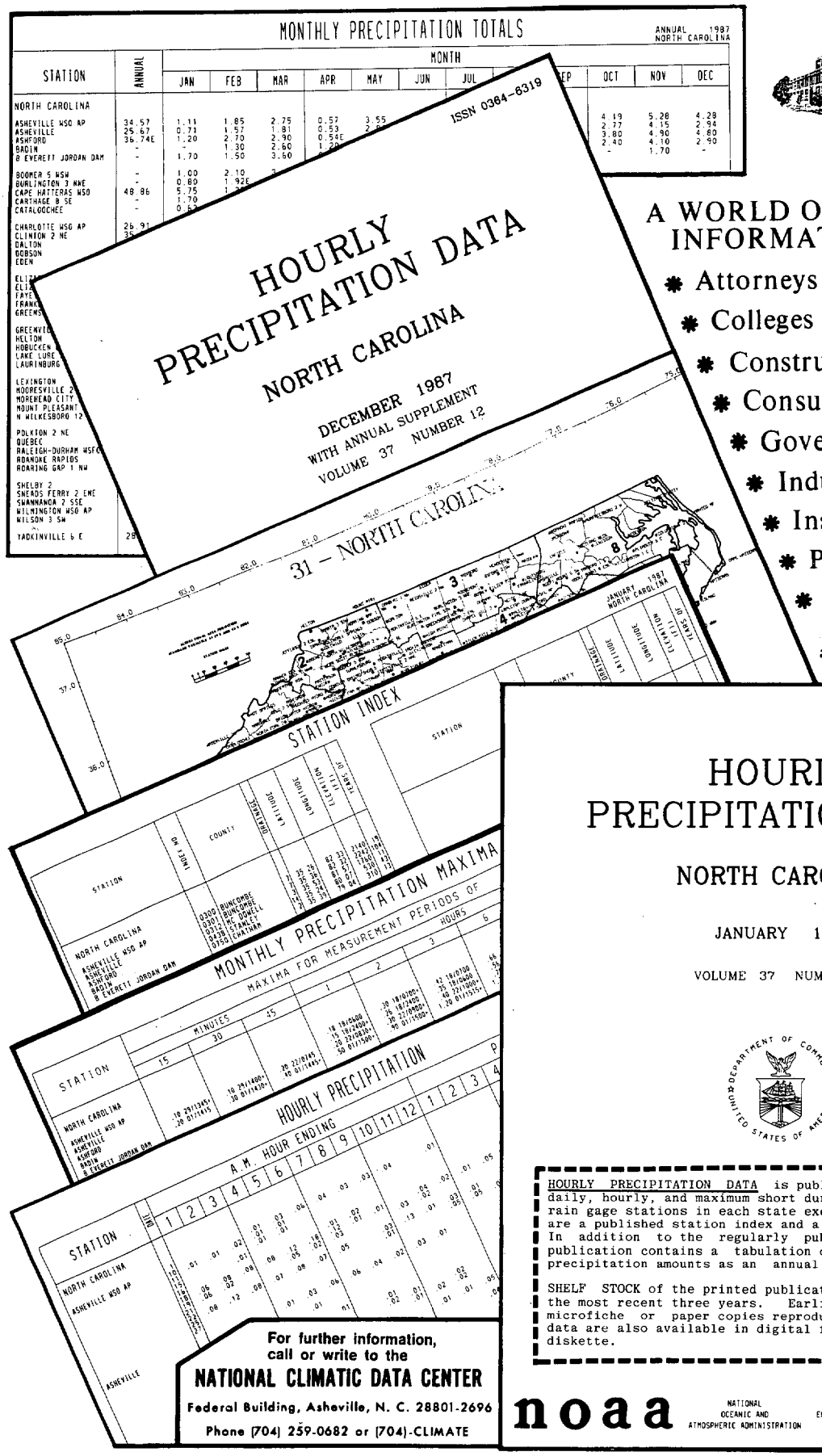

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ISSN 0364-6319

HOURLY PRECIPITATION DATA

NORTH CAROLINA

JANUARY 1987

VOLUME 37 NUMBER 1

HOURLY PRECIPITATION DATA is published monthly and presents daily, hourly, and maximum short duration data for recording rain gage stations in each state except Alaska. Also included are a published station index and a locator map for the state. In addition to the regularly published data, the December publication contains a tabulation of monthly and annual total precipitation amounts as an annual supplement.

SHELF STOCK of the printed publication is maintained only for the most recent three years. Earlier years are available on microfiche or paper copies reproduced from microfiche. The data are also available in digital form - on magnetic tape and diskette.

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CD
VALIDATED BY:

Charles Aiken
Ted Burlew
Charles Chillag
Betty Edstrom
Bruce Emory
Joyce Morgan

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