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CENTRAL AMERICAN CLIMATOLOGY

By

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A presentation of climatological information for the Central American region from Guatemala and Belize southward through Panama. Includes narrative descriptions of Central American climate and weather, to include major synoptic features, precipitation, psychrometrics, cloudiness, visibility, surface winds, thunderstorms, fog, and haze. Also includes astronomical, tidal, and seismic data. Includes contoured climatological charts and climatological data tables. Primarily addresses surface weather data, but includes some upper atmospheric data.

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PREFACE

The effects of weather on military operations are well documented in history and must be considered in nearly every aspect of military planning and execution. A readily available source of regional weather and climatic information has been shown to be a "must" for military planners.

A traditional source of such data has been Section 23 of the National Intelligence Survey (NIS), published from 1950 to 1972. Section 23 of the NIS, titled "Weather and Climate," has been a traditional planning standby as a source for worldwide climatic data, especially for areas of the world in which weather observations and climatic records were scarce. Since the NIS data are deficient in some ways and obsolete in others, the need for a new regional climatic data source has become obvious.

This technical note, which describes Central American climatology in some detail, is intended to fill that need by updating and supplementing the NIS Section 23 information (published in 1969) for that region. The first consideration in developing this document was to provide planners with more and better climatological data relevant to present and future operations. It includes new contoured analysis charts that display ceiling, sky cover, visibility, relative humidity, temperature, and precipitation patterns (current and operationally significant categories have been added where suitable). Also included are expanded paradrop tables, upper air charts, a heat stress index, discussions of diurnal and seasonal variations, and cloud-free-line-of-sight (CFLOS) tables. Information is presented as follows:

Chapters 1 through 4 familiarize the reader with Central American geography, topography, major synoptic features, and the most significant climatological patterns for the region.

Appendix A provides contoured surface and upper air charts to help readers visualize and understand the spatial distribution of the most significant Central American climatological features.

Appendix B provides climatological tables that offer more detail on the climatic variables discussed in the rest of the document. These tables will help readers who need detailed (site specific) information, or who need to produce specialized analyses of their own.

This report, as presented, will not satisfy all planning data needs. It may be necessary to consult a staff weather officer, USAFETAC, or another data source for more specific or detailed information.

The author would like to express his appreciation and thanks to the many people throughout USAFETAC who contributed their time and effort to this project, and without whom this technical note could not have been accomplished. Special thanks to Messrs. V.B. Gibbs, R.L. Rodney, and H.M. Fountain, who lent their expertise and experience to the project and should be recognized as contributing authors. Thanks are also due Mrs. D. Norton for preparing the extensive data tables.

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CHAPTER 1

Central American Geography

1.1 Introduction. Central America is technically a northwest to southeast isthmus that connects southern Mexico and the Yucatan Peninsula to Colombia. It is made up of the countries of Belize (formerly British Honduras), Guatemala, El Salvador, Honduras, Nicaragua, Costa Rica, and Panama. Central America lies between 7 and 19 degrees north latitude, and between 77 and 93 degrees west longitude. The Caribbean Sea is on the east, the Pacific Ocean on the west.

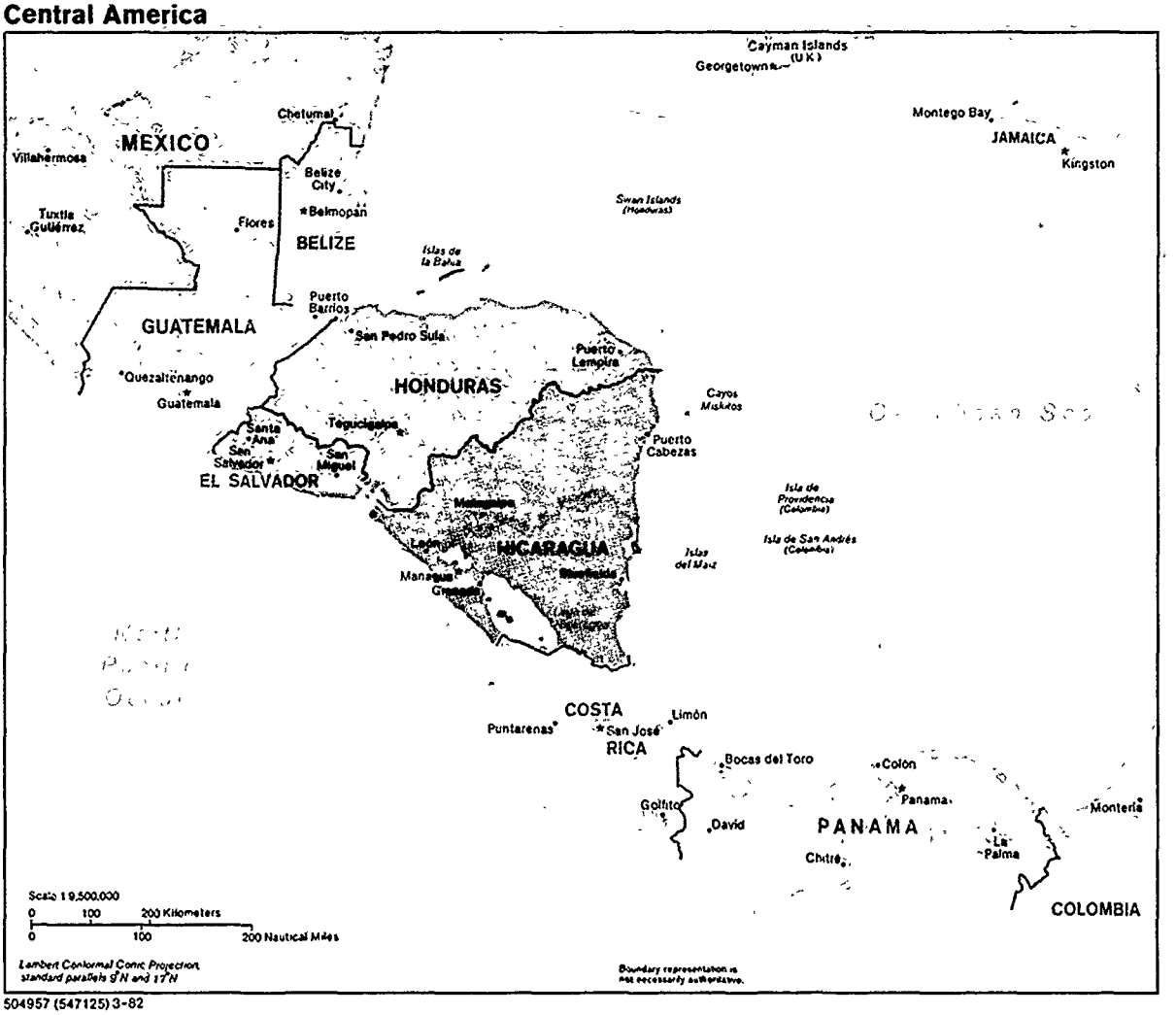

Figure 1-1 The Countries of Central America.

1.2 Terrain. Central American terrain can be generally described as a series of rugged mountain ranges separated by valleys. There are two exceptions to this pattern. The first is in Belize and northern Guatemala, where the highest elevations are below 4,000 feet and most of the area consists of lowlands and coastal plains. The second exception to the mountain-valley pattern is the region made up of the Caribbean coastal plains and the lowlands of eastern Honduras, Nicaragua, and Costa Rica. This region extends inland as much as 50 to 100 miles in parts of Honduras and Nicaragua, and extends through northern Costa Rica to Lago de Nicaragua, Nicaragua. The remaining coastal regions give way rapidly to mountain ranges, which in many areas extend right down to the shoreline.

On the Pacific side of Guatemala, a narrow coastal plain rises quickly to mountain peaks that approach 14,000 feet within 25 to 50 miles of the coast. Numerous peaks on Guatemala's Pacific side and down the mountainous spine through central Costa Rica and western Panama exceed 10,000 feet. These terrain variations have a profound effect on the region's climate. Coastal and lowland areas, for example, are subject to flooding during the wet season and after any period of heavy rain. Rain forests

and jungles can become impassable quickly. Even in the higher elevations, mountainous areas are subject to mudslides during heavy rains, and valleys may flood. These mountain ranges also serve as effective barriers to some weather elements. For example, large climatological decreases in precipitation over very short distances are common, especially from the windward sides of mountain ranges to the leeward valleys and beyond. Most population centers are on the sides of mountains and in the interior valleys where, because of the elevation and sheltered location, the climate is cooler, drier, and better suited to human habitation.

Another important Central American feature is its volcanic activity. There are numerous volcanoes along the Pacific side (all associated with the well known "Ring of Fire") and down the mountainous spine through central Costa Rica and western Panama. Many of these volcanoes are active, including Alatenango, in Guatemala, Santa Ana in El Salvador, and Irazu in Costa Rica. During the past 20 years, there have been numerous recorded eruptions and other volcanic disturbances in Guatemala, El Salvador, Nicaragua, and Costa Rica.

1.3 **Time Zones.** Central America lies across two time zones. Panama is minus 5 hours GMT to LST. The rest of Central America is minus 6 hours GMT to LST. See Figure 1-1.

CHAPTER 2

Major Synoptic Features

2.1 The Equatorial Trough. The equatorial low pressure trough (also called the Intertropical Convergence Zone, or ITCZ) is an area of surface convergence near the equator between the northern and southern hemispheres' subtropical highs. The location, strength, and meanderings of the equatorial trough and the subtropical highs have a tremendous influence on, and are major controlling factors of, Central American weather. This band of low pressure also serves as the "meteorological equator," or the boundary between the northern and southern hemispheres' general circulation and pressure patterns.

Figure 2-1 shows the mean position of the equatorial trough by month. During the winter, or dry season, the equatorial trough moves southward, away from Central America, in conjunction with the strengthening and southward extension of the Atlantic subtropical high. From early spring through fall, the opposite effect is seen as the equatorial trough moves northward into Central America. This, of course, is a simplistic view. Year-to-year variations are influenced by numerous, often unexplained, anomalies such as the change in ocean surface temperatures related to the "El Nino" (unusually warm sea surface temperatures off the western coasts of South and Central America). Anomalies aside, the equatorial trough is probably the single most dominant synoptic feature affecting Central America.

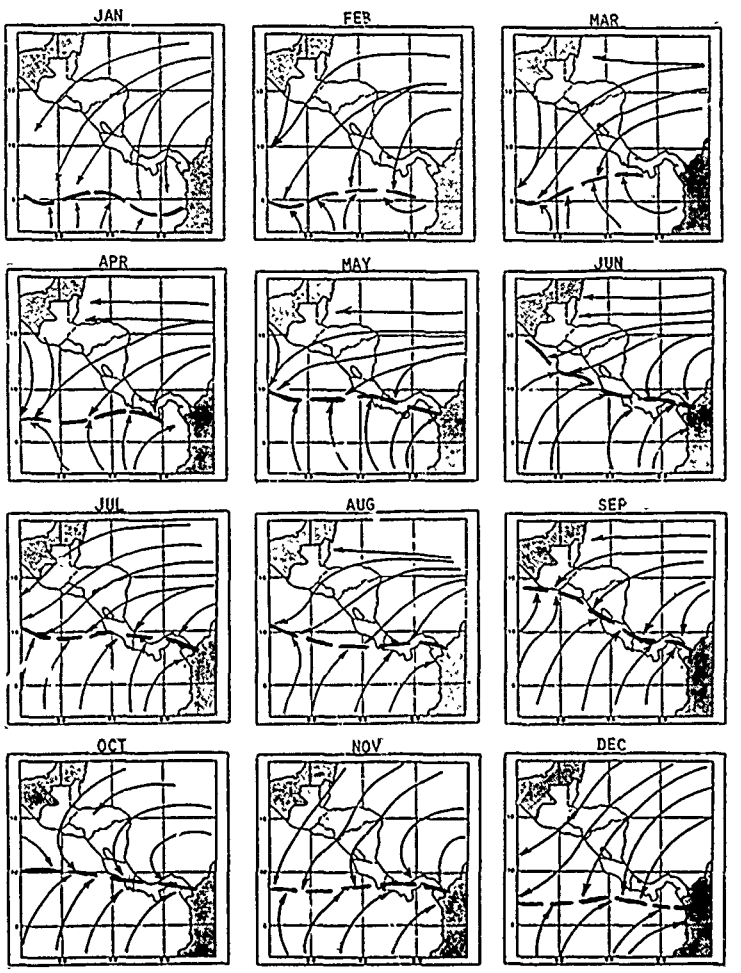

Figure 2-1 Equatorial Trough and Surface Wind Flow.

When a more detailed analysis is required, the general term "equatorial trough" is often replaced by either "monsoon trough" or "trade wind trough," depending on the circulation pattern. The monsoon trough, with easterly trades to its north and westerlies to its south, prevails in Central America from mid-spring through late fall. To the south of the monsoon trough is an area of extensive cloudiness and strong convective activity. During the rest of the year, the easterly trades of both hemispheres converge to establish the trade-wind trough. The resulting vertical shear between the low-level easterlies and upper-level westerlies provides an effective mechanism for capping convective growth during the winter months. See Figure 2-1 and Charts A-48 through A-67.

2.2 **Trade Winds.** The northeasterly trades lie between the equatorial low pressure trough and the northern hemisphere subtropical high pressure belt. They are the most consistent and persistent winds in that region, averaging 7-9 knots year round. Figure 2-1 shows the generalized flow of the trades, which are east-northeasterly most of the year over most of the region. Areas south of the equatorial trough are dominated by the southern hemispheric southeasterly trades. During the northern hemisphere summer (July-September), a buffer zone of westerlies lies between the equatorial trough and the southern hemispheric southeasterly trades. These westerlies meet the northeasterly trades in the equatorial (monsoon) trough, setting up the strong convergence zone associated with the trough in mid- to late summer.

Figure 2-2 shows selected soundings for the two months chosen as extreme examples: March (dry) and October (wet). Except for the low-level trade wind inversion in March, the temperature profiles are very similar. The dew point profiles, however, show the very strong dry layer between the 600 and 800 millibar levels in March that is not present during October. This shows that the most important elements in a tropical sounding are the vertical distributions and time changes of moisture. Vertical temperature profiles show little daily change from the mean profiles. In the example, the March sounding shows the trade wind inversion that acts as a drying cap to vertical development of precipitation. The October, or wet season, sounding shows an increase in low-level moisture accompanying the change in low-level wind direction and speed. Many of the criteria used to analyze mid-latitude soundings are of limited value in tropical analysis because of the consistency of day-to-day values. In tropical maritime climates, tropopause heights, condensation, and free convection levels show almost no daily variation because of the uniformity of temperature and moisture. Similiarly, stability indices have limited use in Central America. By season, the tropical atmosphere is very uniform. Therefore, the daily change in moisture and the vertical wind profiles are the elements to watch. See Charts A-48 through A-67.

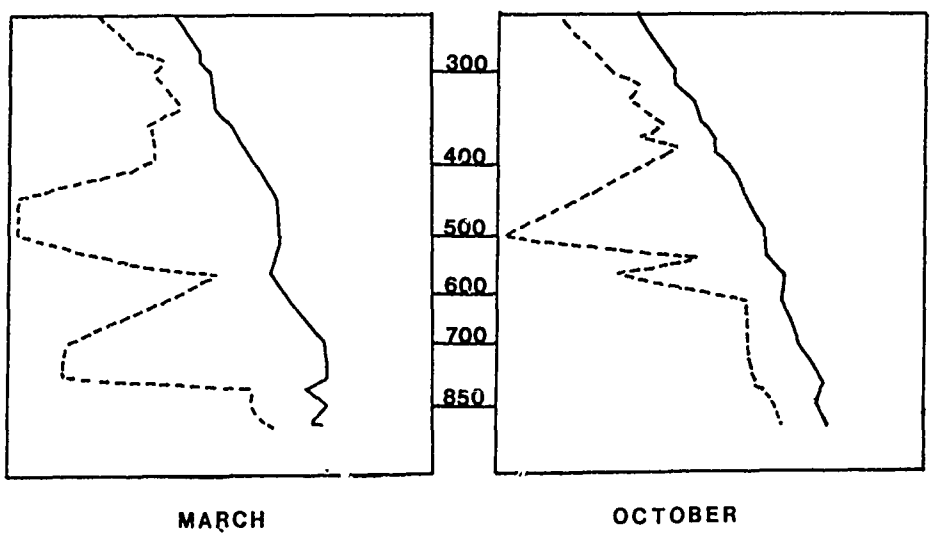

Figure 2-2 Atmospheric Profiles of Temperature and Dew Point for March (Dry) and October (Wet) at San Jose, Costa Rica.

2.3 **Storm Systems.**

2.3.1 **Hurricanes and Tropical Storms.** The hurricane is the most destructive storm system known. Typical accompaniments to these storms are widespread flooding, storm surges, strong winds, and occasionally, tornadoes. Most Atlantic storms develop off the west coast of Africa in easterly waves or in disturbances moving out of the equatorial trough and away from the equator. Some Atlantic storms then move westward into the Caribbean Sea and to Central America. Other storms form in the Caribbean east of Nicaragua and north of Panama, moving north or northwest. Pacific hurricanes form west of El Salvador and Guatemala, but generally move north-northwest away from Central America. Hurricanes are rarely seen within 9 degrees of the equator.

Figure 2-3 gives shows the number of hurricanes and tropical storms over Central America, based on counts of occurrences within 60 nautical miles. Data are for years 1871 through 1980. Major storm tracks are shown by arrows. Areas primarily affected are the Nicaraguan coast, the Honduran coast from Trujillo eastward, and all of Belize and northern Guatemala. Table 2-1 shows the number of hurricanes and tropical storms that make landfall in each of the Central American countries. Although a number of other storms have passed close enough to the Caribbean coast to have affected coastal and lowland areas, they have not been included in Table 2-1. As the table shows, September and October are the most active months even though the storm season runs from May through December.

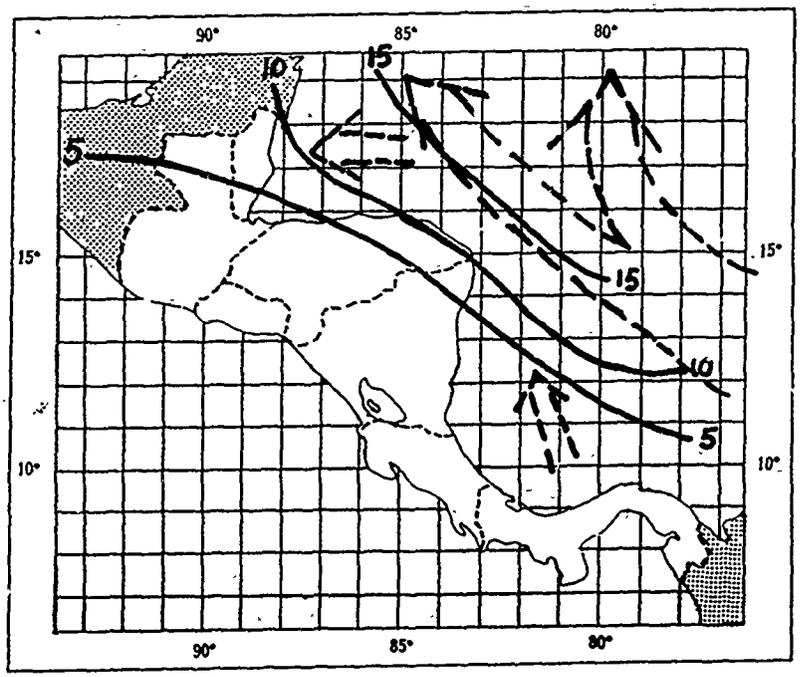

Figure 2-3 Number of Hurricanes/Tropical Storms Within 60 NM (solid lines) and General Direction of Movement (dashed arrows).

TABLE 2-1 Number of Hurricanes/Tropical Storms (Depressions) Making Landfall by Country, 1871-1980.

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Belize	0/0	0/4	3/0	0/4	8/7	3/5	1/3	0/0
Guatemala	0/0	0/3	1/1	0/4	4/6	2/5	0/1	0/0
Honduras	0/1	1/3	2/1	0/0	3/5	2/2	0/3	0/0
El Salvador	0/0	0/1	0/0	0/0	0/2	0/0	0/0	0/0
Nicaragua	0/1	1/1	1/0	0/0	3/4	4/1	0/4	0/0
Costa Rica	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1
Panama	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/0

Note: Storms making landfall on offshore islands or possessions are omitted from the count. Although Table 2-1 gives storm count by country, several individual storms crossed two or more countries and were counted that way. Note that Belize has recorded only 15 hurricanes and 23 storms of lesser strength in 110 years. Tropical storms invade Belize only about once every 3 years, and affect the other Central American countries even less frequently.

2.3.2 Northers. Northers are actually the trailing ends of shear lines that result from strong North American (continental) polar outbreaks. They occur from late December through March, and primarily affect Belize, northern Guatemala, and Honduras. However, the cooler, drier air behind a strong front can sometimes reach as far south as western Panama. These outbreaks modify the "dry season," bringing winter precipitation to Belize and northern Honduras (See Figure 3-1) and causing the relatively lower mean temperatures along northern coastal regions (See Table B-3).

2.3.3 Temporals. When the tropical upper tropospheric trough (TUTT), usually seen as a weak trough at the 200-300 millibar level, establishes itself northeast to southwest from Cuba to Central America, small surface low pressure centers sometimes form along the Pacific coast of Central America. These low

pressure centers act as cool core systems when compared to the warm, weak ridges on either side of the TUTT. "Temporals" are slow-moving depressions (similar to tropical depressions) that appear to form in, or move out of, the equatorial trough in the Pacific and move slowly up the west coast of Central America. These storms are large areas of stratiform cloudiness with steady rain. Because of their slow motion and steady rainfall, they can cause flooding and mudslides along the Pacific coast and in the coastal mountain ranges. Although temporals do not always bring the thunderstorm activity common to hurricanes and tropical storms, these stratiform cloud systems can occasionally conceal imbedded thunderstorms (See Figures 2-3 and 3-1, Tables 2-1 and B-3).

2.4 Upper Air Circulation. Figures 2-4 and 2-5 are vertical cross-sections of mean zonal winds (surface to 100 millibars) for January and July, and for April and October, respectively. Light easterly winds (10 knots or less) dominate throughout the year from surface to between 400 and 500 millibars. From there up to 100 millibars, winds are generally westerly from December to June, and easterly the rest of the year. Westerly winds are strongest, reaching mean maximum speeds of 30 knots between 150 and 200 millibars. Easterly winds are always light, and usually less than 10 knots.

Stratospheric winds are dominated by the "quasi-biennial oscillation" that results in a direction reversal about every 11 to 15 months. Areas of maximum speed originate at about 30 millibars (25 kilometers) and descend about 1 kilometer a month until they near the tropopause. Periods of easterly winds are strongest, with mean speeds reaching 40 knots and maximum speeds from 70 to 80 knots. Periods of westerly winds are generally only half that strong. See Charts A-48 through A-67.

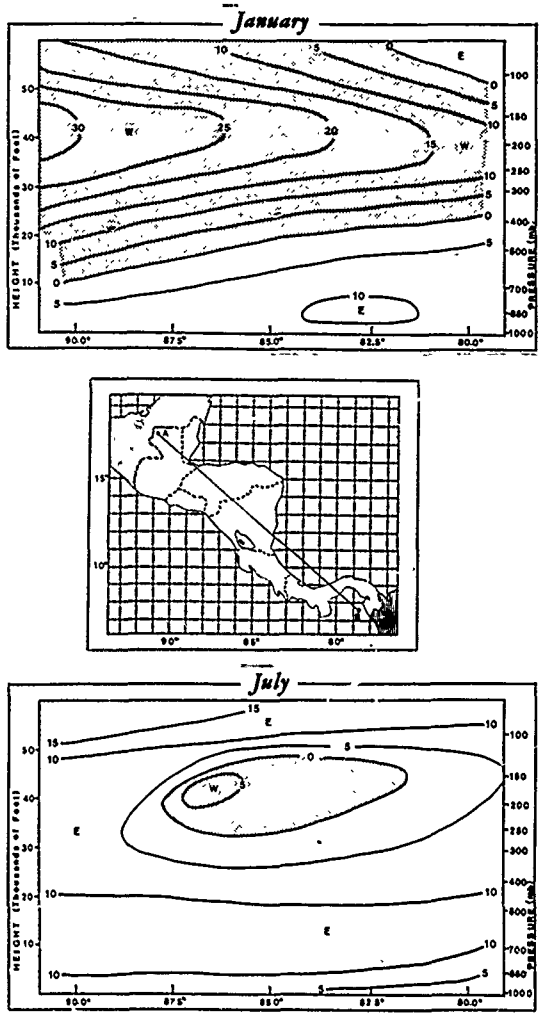

Figure 2-4 Mean Zonal Winds for Upper Air Vertical Cross Sections Along Line AB for January and July. Speeds in knots.

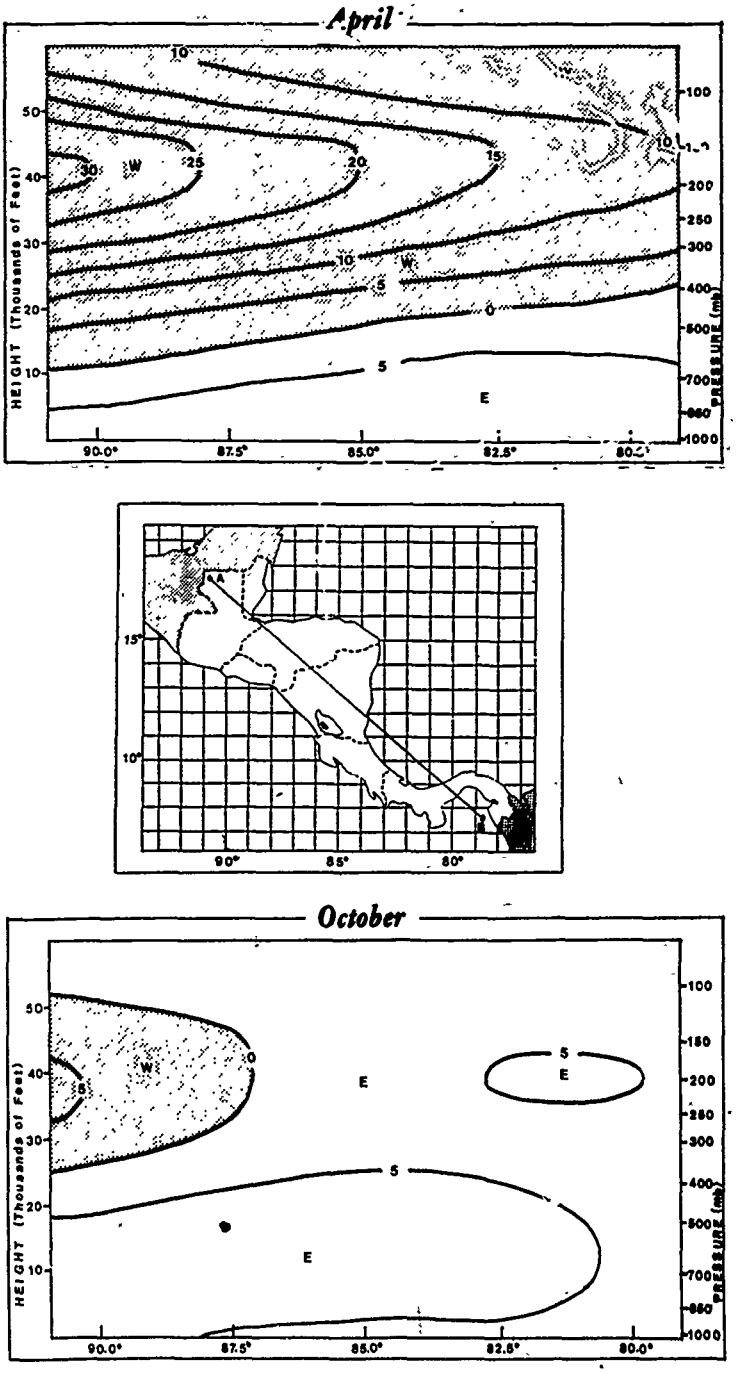

Figure 2-5 Mean Zonal Winds for Upper Air Vertical cross Sections Along Line AB for April and October. Speeds in knots.

CHAPTER 3

Weather Phenomena

3.1 Precipitation. Precipitation is often considered the single most significant weather element in Central America; not surprising, considering that the region is a relatively narrow tropical isthmus with the Caribbean Sea on the east and the warm Pacific on the west. Free from the influences of a large continental landmass, Central American precipitation becomes primarily a function of wind direction and station elevation. Only rarely is a mid-latitude frontal system strong enough to push this far south. Occasionally a major polar outbreak, or "norther," (See Para 2.3.2) pushes a frontal system across the Gulf of Mexico south of Cuba to influence Central America's winter weather. When it does, it usually brings rain and gusty winds to the Caribbean coastal areas of Belize, Honduras, and Nicaragua. After these rare frontal passages, the mild tropical winter, or "dry season" returns. Frontal regimes, however, are of little significance when compared to the prevailing onshore flow that accompanies the long and wet summer season.

All of Central America is under the influence of maritime air masses. The persistent northeast trades, although shallow, are heavily laden with moisture. This moisture is generally released along Caribbean coastal areas, particularly where terrain influence plays a major role in precipitation patterns. The best example of this kind of heavy rainfall is along the Caribbean coasts of Costa Rica, Panama, and Nicaragua. See Chart A-3, Mean Annual Precipitation.

Along the Caribbean coast, the wet season normally starts in May and ends in November. The subtropical ridge builds in the Atlantic, shifting northward to follow the sun. Along with this northerly shift, the equatorial (monsoon) trough moves northward to dominate the summer weather pattern and signal the start of the wet season (See Figure 2-1 for the mean position of the equatorial trough). Many stations show double maxima for precipitation amounts. The first maximum is normally in June, at the beginning of the wet season, while the second is in November, near the end of the wet season. Managua, Nicaragua, for example, clearly shows these dual June-October maxima. See Figure 3-1.

June through October is the normal wet season throughout Central America, and January through April the normal dry season. However, since the annual rainfall is more than 150 inches, with considerable variation, the terms "wet" and "dry" become relative. Bluefields, Nicaragua, is a prime example. This station, on the Caribbean coast, gets large amounts of rain from May through December, with some months in excess of 20 inches and all wet season months in excess of 10 inches. But even during Bluefields' short "dry" season (February through April), the monthly average is more than 3.5 inches. The moist trades, releasing their moisture as they move over Nicaraguan and Costa Rican coastal areas, give this area its exceptionally heavy rainfall amounts. See Charts A-1, A-2, and A-3.

In the rugged mountain terrain of western Guatemala, some of the driest and wettest locations are found, sometimes only miles apart. The Sierra Madre Mountains block moist air coming off the Pacific. As a result, these mountains, several with peaks over 12,000 feet, get some of the highest rainfall amounts in Central America (more than 120 inches a year) on their lower windward slopes. There is little rain at elevations above 8,000 feet and in the interior valleys. As an example, San Rafael, Guatemala, at 2,164 feet on the windward slopes, gets more than 150 inches of rain a year. Nearby Agua Blanca, at 2,919 feet but in an interior valley, gets less than 30 inches. Seasons are different, too. Lower windward slopes have a long wet season: May through October, with dual maxima in June and September. In contrast, interior regions receive nearly all their rainfall from June through September, with no strong maxima (See Figure 3-1). As can be seen on Chart A-3, this interior region of Guatemala, as well as the southern Honduran and northern Nicaraguan mountain interiors, are the driest areas in Central America, averaging only about 30 to 40 inches a year. While an annual rainfall of 40 inches is not ordinarily considered "dry," when nearby areas get two to four times that amount, the relative dryness is noteworthy.

With the freezing level almost always above 15,000 feet, snow in Central America is rare except for an occasional snowfall on the higher mountain peaks. Hail is almost never seen. See Figure 3-1; Charts A-1, A-2, and A-3; Tables B-1 and B-2.

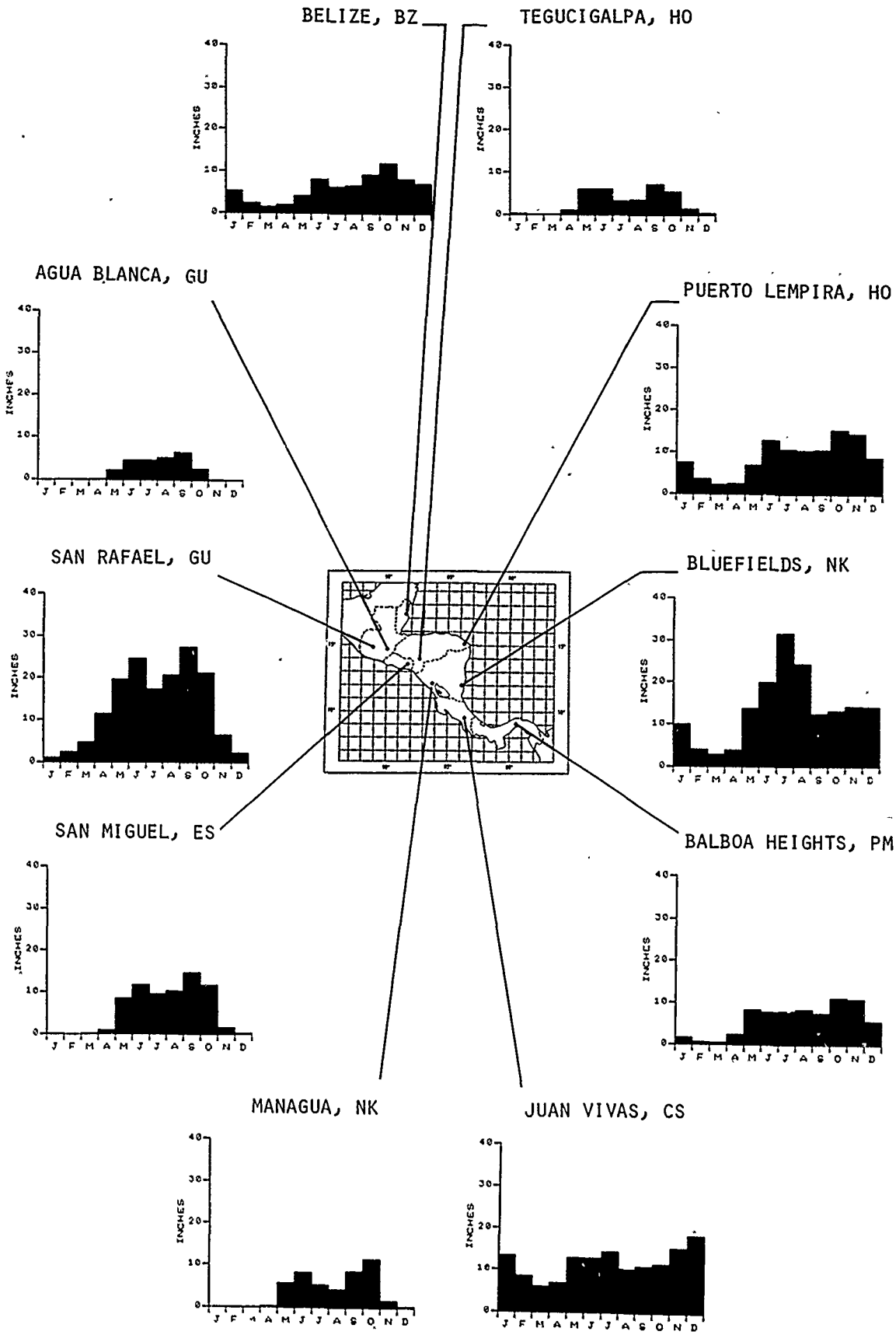

Figure 3-1 **Mean Monthly Precipitation in Inches, Selected Locations.**

3.2 Psychrometrics.

3.2.1 Temperature. Figure 3-2 shows mean monthly temperatures. Even though Central America is in the tropics, there are some large temperature variations due to elevation. Mean temperatures at Managua, elevation 160 feet, are 10 degrees warmer than at San Jose, with an elevation greater than 3,200 feet. Also, diurnal and annual variations at the higher elevations are greater than those variations at sea level. The persistently warm temperatures and high humidities of Central America are largely due to the proximity of the warm tropical waters of the Caribbean sea and Pacific Ocean, both with consistently warm sea surface temperatures throughout the year. For example, La Ceiba, Honduras, has only a 5 to 6 degree annual variation in sea surface temperature (See Figure 3-3). Afternoon temperatures on both coasts are modified only slightly by sea breezes.

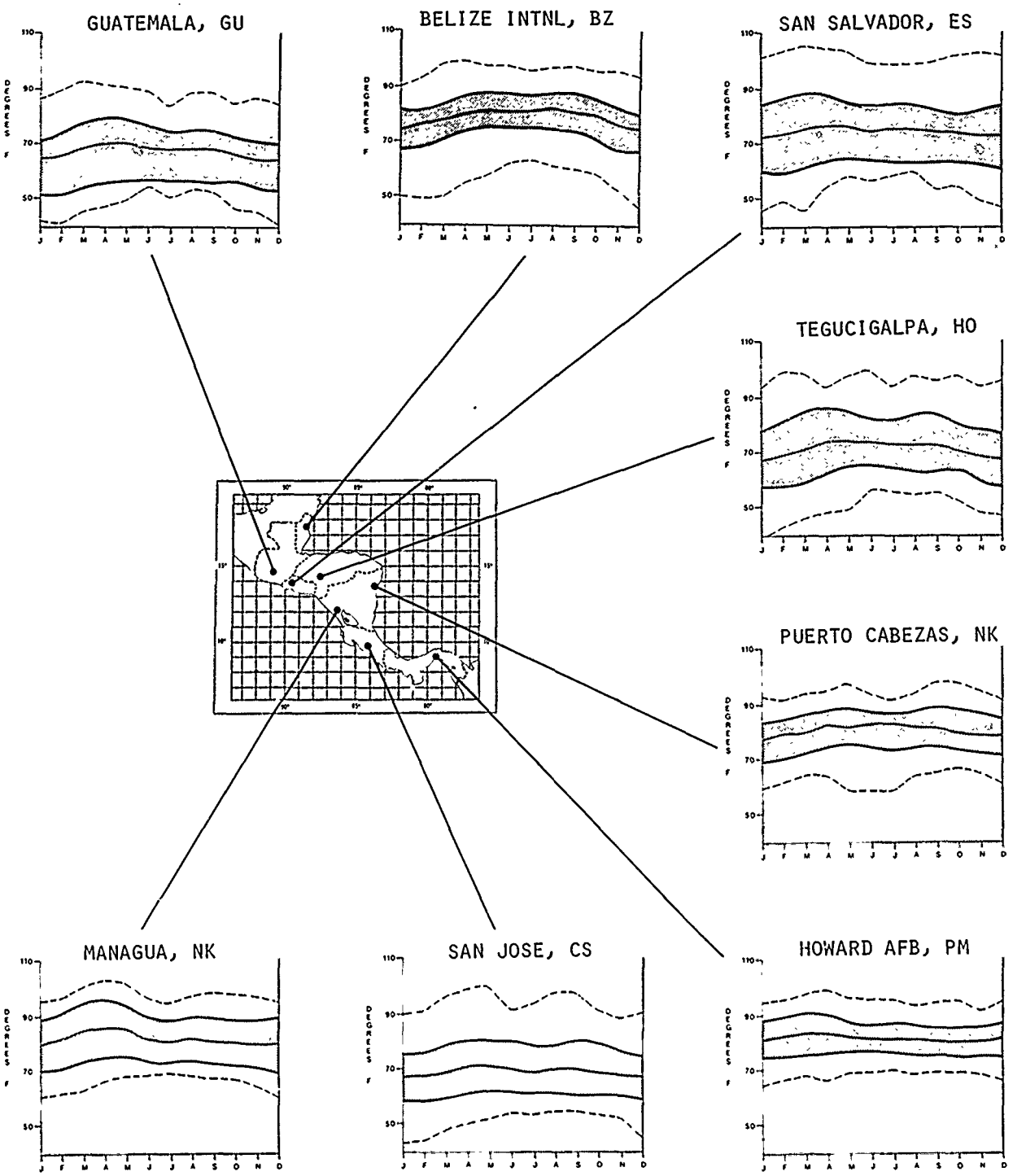

Figure 3-2 Mean Monthly Temperatures (Solid lines within shaded area) and Extremes (Dashed lines). Shaded areas show variations of daily means around the overall mean. Temperatures in degrees Fahrenheit.

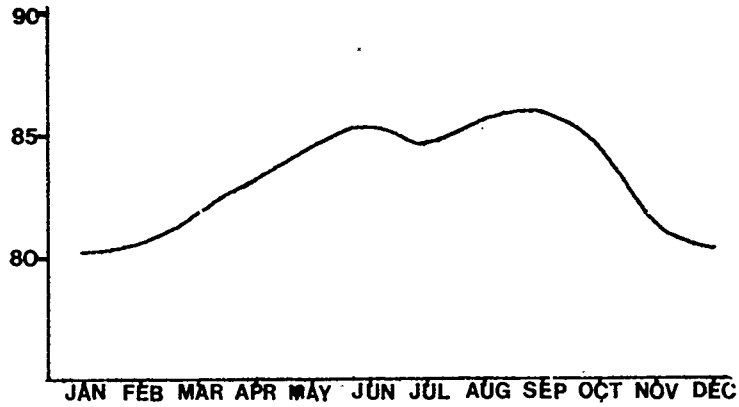

Figure 3-3 Sea Surface Temperatures (degrees F), La Ceiba, Honduras.

Temperatures in the lower elevations of Central America, especially in the southern half, are uniformly warm, with little annual or diurnal change. However, temperatures at higher elevations in the interior are more like those at higher latitudes, with warm afternoons and cool evenings. In the interior, dry season mean diurnal temperature changes are often two or three times the annual range. Temperature ranges are definitely dependent on elevation, as shown in Table 3-1.

TABLE 3-1 Temperature Change with Elevation.

Elevation	Mean Temperature	
	Daytime Max	Nighttime Low
Below 3,000 feet	80-90°F	60-70°F
3,000 to 5,000 feet	70-80°F	50-60°F
5,000 to 10,000 feet	60-70°F	40-50°F
Above 10,000 feet	50-60°F	30-40°F

Cold fronts strong enough to modify temperatures reach Central America only occasionally. When they do, they almost always dissipate before reaching the southern regions. These fronts are often referred to as "Northers," or "Norte" (See Para 2.3.2).

The warmest temperatures occur near the end of the dry season, except in the lowlands of the southernmost parts of Central America, where mean temperatures are relatively warm throughout the year despite seasonal rainfall changes.

Elevation, solar angle, cloud cover, and frontal passage from the north are all factors that control temperature. For example, the cloudy skies over most of the Pacific coast and much of the interior contribute to the lower mean maximum temperatures experienced in these areas.

Another important aspect of tropical climate is the diurnal variation in mean values of temperature, dew point, and relative humidity (See Figure 3-4). There is very little diurnal variation of mean dew point even with a variation in relative humidity. The daily relative humidity cycle is not caused by changes in moisture, but by changes in temperature that determine the amount of moisture the air can hold.

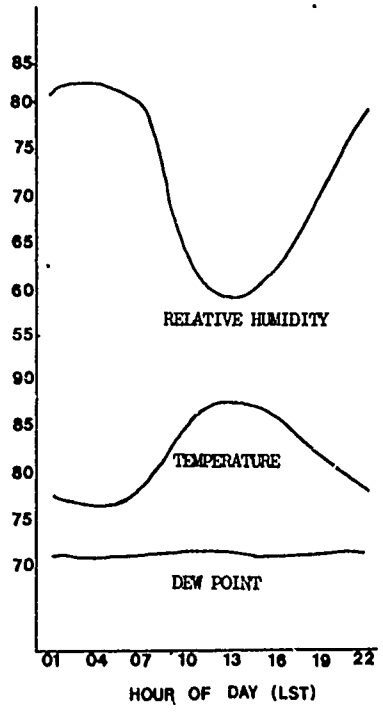

Figure 3-4 Mean Relative Humidity, Temperature, and Dew Point for Howard AFB, Panama, for April (The Warmest Month).

3.2.2 Relative Humidity. Central America sees high relative humidities all year long. In combination with warm temperatures and typically light winds, these high humidities make for oppressive conditions in the lower elevations. Some local and seasonal variations in relative humidity are shown graphically in Figure 3-5. The Caribbean coast's high year-long humidities are primarily due to strong onshore trade winds. The Pacific coast and most of the interior regions, however, show more seasonal variation because of the more sharply defined wet and dry seasons. Maximum relative humidities of 80 to 90 percent are common during the early morning hours throughout Central America. There is more variation of minimum relative humidity in the afternoon, with values of 60 to 70 percent common along the east coast and in much of Panama during the January-April dry season, and 70 to 80 percent in the June-October wet season. Throughout the interior and on the northern Pacific coast, afternoon humidities are much less oppressive, with greater seasonal variation. During the wet season, they range from 50 to 70 percent, while during the dry season generally from 40 to 60 percent. Even with lower afternoon humidities, warmer temperatures increase human discomfort, especially in lowland areas sheltered from onshore winds. The only sanctuary from humidity is elevation, with conditions above the 4,000 foot level much more comfortable.

3.2.3 Human Comfort. Although temperature and humidity are the most important elements that influence human comfort in the tropics, other factors include wind, insolation, barometric pressure, clothing, physical activity, and physical condition. In consideration of these influences, researchers have developed a temperature-humidity index to provide an "apparent temperature," or an estimate of what a given temperature "feels like" at various relative humidities. Table 3-2 gives apparent temperature as a function of ambient air temperature and relative humidity. It assumes a wind speed of 5.6 miles per hour, pressure of 29.92 inches, and shade. Apparent temperatures may be used to indicate the heat stress likely to be experienced at different levels of physical activity, as shown in Table 3-3. Note that the degree of heat stress may vary with age, physical characteristics, and physiological condition.

TABLE 3-2 Apparent Temperature as a function of Air Temperature and Relative Humidity.

RELATIVE HUMIDITY (%)

AIR TEMPERATURE (°F)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
140	125																				
135	120	128																			
130	117	122	131																		
125	111	116	123	131	141																
120	107	111	116	123	130	139	148														
115	103	107	111	115	120	127	135	143	151												
110	99	102	105	108	112	117	123	130	137	143	150										
105	95	97	100	102	105	109	113	118	123	129	135	142	149								
100	91	93	95	97	99	101	104	107	110	115	120	126	132	138	144						
95	87	88	90	91	93	94	96	98	101	104	107	110	114	119	124	130	136				
90	83	84	85	86	87	88	90	91	93	95	96	98	100	102	106	109	113	117	122		
85	78	79	80	81	82	83	84	85	86	87	88	89	90	91	93	95	97	99	102	105	108
80	73	74	75	76	77	77	78	79	79	80	81	81	82	83	85	86	86	87	88	89	91
75	69	69	70	71	72	72	73	73	74	74	75	75	76	76	77	77	78	78	79	79	80
70	64	64	65	65	66	66	67	67	68	68	69	69	70	70	70	70	71	71	71	71	72

APPARENT TEMPERATURE

TABLE 3-3 General Heat Stress Index.

Apparent Temperature	Danger Category	Effects
80-90°	Caution	Fatigue possible with prolonged exposure and physical activity.
90-105°F	Extreme Caution	Sunstroke, heat cramps, and heat exhaustion possible with prolonged exposure and physical activity.
105-130°F	Danger	Sunstroke, heat cramps, and heat exhaustion likely. Heatstroke possible with prolonged exposure and physical activity.
>130°F	Extreme Danger	Heatstroke or sunstroke imminent.

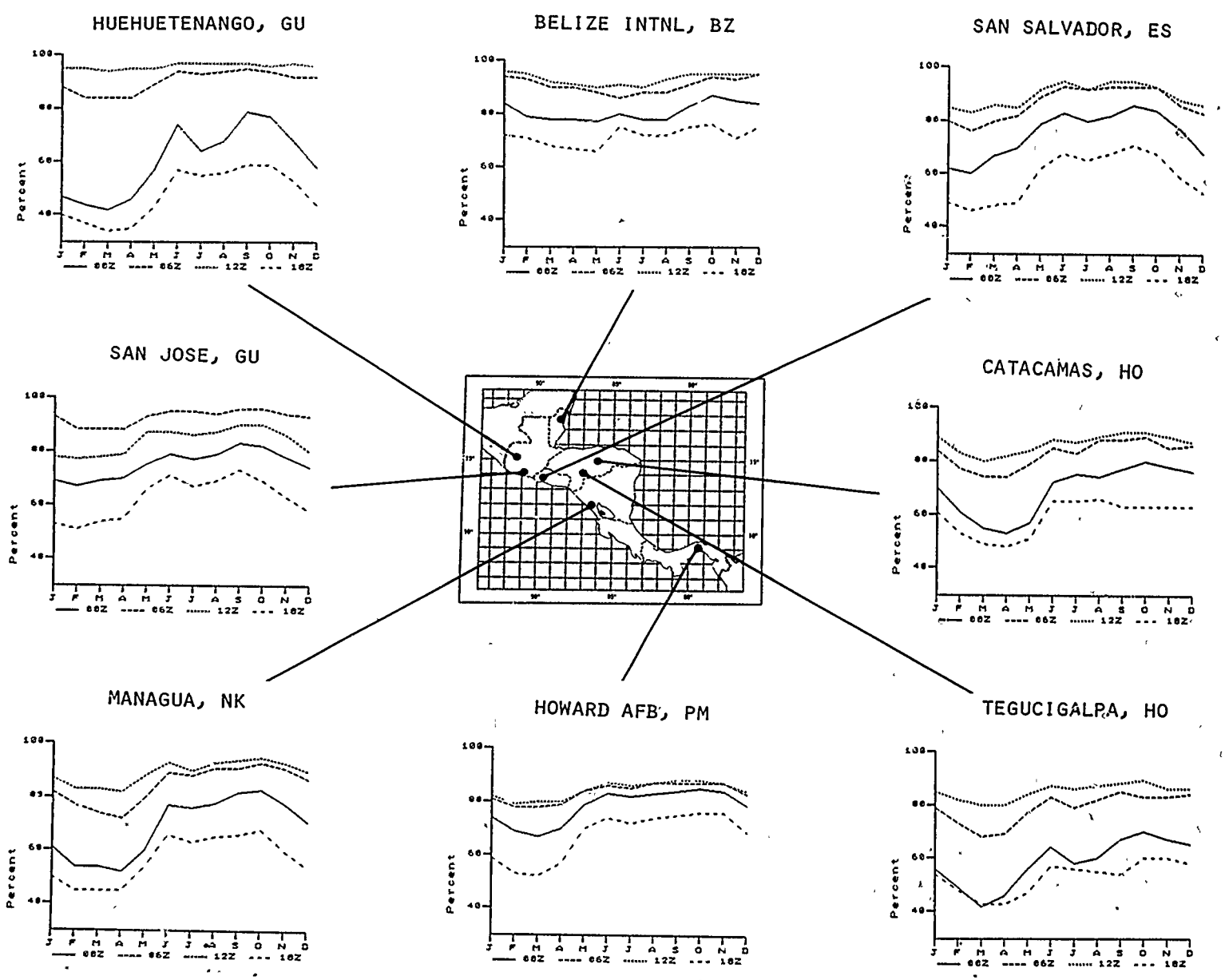

Figure 3-5 **Mean Relative Humidity by Month and Time of Day, Selected Stations**

3.3 Cloudiness.

3.3.1 **General.** Since cloudiness is strongly subject to local terrain features, it is difficult to discuss it in general terms. On the large scale, cloud cover correlates well with precipitation patterns, but specific locations may deviate significantly from the general situation. Away from the equatorial trough, there is much greater cloudiness over the Central American landmass than over adjacent waters. This results from orographic lifting of moisture-laden air carried in by on-shore trade winds and sea breezes. As a consequence, cumuliform clouds are predominant, with altocumulus, altostratus, and cirrus often resulting from the spreading of cumulonimbus tops during the wet season. During the dry season, the trade wind inversion restricts convective activity and fair weather cumulus abounds. Some stratiform clouds shroud the higher mountain peaks and are common in the valleys, where calm winds and cooler nighttime temperatures prevail.

Because of the predominance of the northeasterly trades, it is cloudier on the Caribbean side of the isthmus from Nicaragua north. There is little variation in cloudiness across Costa Rica and Panama, due in part to the narrowness of those countries' landmasses and their proximity to the equatorial trough.

3.3.2 **Diurnal Variations.** In general, cloud cover is least at night and in the morning, increasing during the day until early evening. This tendency is not strongly defined, however, and local influences often override the general pattern. Only in the southern parts of Nicaragua, Costa Rica, and Panama is this diurnal trend well established, but even then only during the dry season. In the dry season, areas along these Caribbean coasts have 6/10 or more cloud cover only 40 percent of the time at night, and 80 percent of the time during early afternoon. As noted earlier, the "dry" season in this region has only relative meaning.

3.3.3 **Seasonal Variations.** Seasonal changes in cloudiness are pronounced, and follow the same pattern as precipitation; i.e., December-March, dry; June-October, wet; April, May, and November, transitional. In the wet season, all of Central America is cloudy, with Panama, Costa Rica, and the Caribbean coast of southern Nicaragua extremely so. The northern countries and western Nicaragua will have >6/10 cloud cover 60 to 95 percent of the time, the remaining areas 80 to 100 percent of the time. The dry season shows a much greater degree of variation, with the Pacific sides of Guatemala, Honduras, El Salvador, and Nicaragua having 6/10 cloud cover 10 to 40 percent of the time. Belize and the rest of Honduras will experience these conditions 30 to 70 percent of the time; the Caribbean coast of Nicaragua and south, 35 to 85 percent of the time. Clear (less than 3/10 cloud cover) conditions are rare in the wet season, averaging only 5 to 25 percent of the time over most of Central America and only 0 to 10 percent of the time along the Caribbean coast and south. Although chances for clear conditions on this coast during the wet season are slim, the late-night and early morning hours offer a slightly better opportunity. During the dry season, clear conditions can be found 30 to 70 percent of the time over most of the region, but only 5 to 50 percent of the time to the south. See Charts A-32 through A-39, Tables B-16 and B-17.

3.3.4 **Ceilings.** In general, ceilings do not themselves present problems for airborne operations in Central America; i.e, rarely do low ceilings cover large geographic areas for extended periods. However, specific events (thunderstorms, squalls, orographic effects, etc.) cause occasional low ceilings which could become operationally significant.

Although ceilings less than 3,000 feet do occur in Central America, few stations experience them more than half the time. The two primary regions of low ceilings are the interior mountain ranges of Guatemala, Honduras, and Nicaragua, and the Caribbean coast from Nicaragua to Panama. Only isolated cases of ceilings less than 1,000 feet occur at most locations, and are usually associated with thunderstorms or heavy rain showers. This is particularly true during the afternoon and evening hours and applies to all of Central America. In fact, ceilings below 1,000 feet occur with any regularity. only in the mountains and in the Guatemalan interior, where stratiform clouds form as the result of nighttime cooling. See Charts A-8 through A-15, Tables B-11, B-12, and B-13.

3.4 **Visibility.** Visibilities are normally good throughout Central America, at least as far as most aviation operations are concerned. Visibilities less than 3 miles occur primarily in the mountains when nighttime stratiform clouds envelope them. Visibilities less than 1 mile occur less than 5 percent of the time in the afternoon and evening at most stations, but slightly more often in the early morning hours in the mountains. Visibility varies greatly depending on whether it is measured on the side of a mountain (near or in the clouds) or in the valleys below. Visibilities are of course reduced in storms, but these are generally short-lived and restricted to the wet season. Other local factors, such as the burning off of cane fields, restrict visibilities locally and seasonally. See Charts A-16 through A-23 and Tables B-14 and B-15.

3.5 **Surface Winds.** Three primary influences combine to affect local surface winds. These influences are the tradewinds, sea and land breezes, and mountain/valley winds. These primary controls are modified (or nullified) by migratory or mesoscale systems such as hurricanes/tropical storms, northers, or individual thunderstorm cells. For the most part, mean wind speeds are less than 10 to 12 knots, lighter at night than during the day, and lighter in the wet season than in the dry season. From

late evening to early morning, calm winds prevail, occurring from 50 to 90 percent of the time at most stations. Seasonally, calm winds are at their minimum during the dry season. At some stations, this may mean that winds are calm only 50 percent of the time rather than 70 percent.

When winds are not calm, the east-northeasterly tradewinds prevail in the Caribbean and along the Caribbean coast. Good examples of the trades' dominance are Belize International Airport, Belize, and Islas del Cisne, Honduras (See Table B-9). Tela, Honduras, shows an apparently strong modification of the trades by a sea/land breeze regime. On the Pacific coast, especially on the coasts of Guatemala and El Salvador, the mountains effectively block the easterly trades and a sea/land breeze regime dominates. San Jose, Guatemala, and Acajutla, El Salvador, are good examples. Further south, evidence of the southwesterly monsoon winds behind the equatorial (monsoon) trough can be seen during the height of the wet season, when the trough is at its northernmost location. Wind directions at inland locations vary widely as they respond to local terrain features. Guatemala City, Guatemala, and San Jose, Costa Rica, (especially San Jose) are examples of stations that show higher mean speeds, probably the result of funneling (the "venturi effect") through mountain passes and valleys.

A squall-type phenomenon along the Pacific coast, referred to locally as the "Chubasco," occurs during the wet season. Strong, gusty thunderstorm-associated winds, sometimes exceeding gale force, form over the coastal mountains during late afternoon and move offshore in early evening as the sea breeze breaks and winds shift to the east-northeast. Other high winds occur in the vicinity of thunderstorms, in the mountains (because of the funneling effect), or when "northers" come through. See Figure 2-1 and Tables B-9 and B-10.

3.6 Thunderstorms. Thunderstorms are a frequent phenomenon across Central America during the wet season. Surface convergence, warm water, and a hot tropical sun are primary factors for thunderstorm development and contribute to their frequency. Terrain also plays an important role in thunderstorm development. Terrain-induced modification of the moist on-shore flow, as well as convective activity south of the equatorial (monsoon) trough result in numerous thunderstorm days. Many coastal locations experience 12 to 20 thunderstorm days a month at the height of the wet season. See Figure 3-6.

There is always a high potential for thunderstorm development during the wet season. The greatest activity is between mid-afternoon and midnight. Satellite photos, however, show that thunderstorms continue to develop over the warm offshore waters after midnight. The photos also show a primary area for development over the Gulf of Mosquitos on the Caribbean side of Costa Rica and Panama. There is high potential for vertical development, and tops often extend to well over 50,000 feet. All the typical weather hazards associated with thunderstorms (gusty winds, lightning, turbulence, icing, etc.) are present, along with heavy rains and localized flooding.

Under normal conditions, thunderstorms are a wet season phenomenon. During the dry season, the strong atmospheric stability found above the tradewind inversion inhibits almost all vertical development. The occasional frontal system that crosses Central America may provide enough instability to produce a dry season thunderstorm. Vertical currents along the windward sides of mountains are occasionally strong enough to break through the inversion and produce a thunderstorm during the dry season.

Figure 3-6 shows the mean number of thunderstorm days by month for selected Central American stations. As noted earlier, thunderstorms are primarily wet season phenomena except for the Caribbean Islands and the Caribbean coast along the Nicaragua and Honduras border. The areas of heaviest activity are the Panama Canal Zone and the Pacific coastal area from northern Nicaragua northward. The area of lightest activity is found in the interior regions of Guatemala, Honduras, and Nicaragua. Note that the dual thunderstorm maxima on the Pacific coast side correlate well with the dual precipitation maxima mentioned in an earlier chapter.

3.7 Fog and Haze. In a general sense, fog is an infrequent occurrence in Central America. Most fog that does occur is from radiational nighttime cooling in mountain valleys, a type that dissipates rapidly with diurnal heating. During the wet season, fog may form after rainstorms in the tropical rain forests as these rainstorms add a significant amount of moisture to air already near saturation.

Haze is common at many locations in Central America, especially along the Caribbean coast. Major contributing factors are the easterly trades and the ready availability of salt particulates off the oceans. However, haze alone seldom lowers visibilities to below aircraft landing minimums.

3.8 Other Weather Information. Other combinations of weather data that may be of interest for specific applications are included in the appendices.

For **paradrop** operations, see Charts A-40 to A-47 and Tables B-8 to B-21.

For **chemical** operations, see Table B-22.

For **Cloud-Free Line-of-Sight** applications, see Tables B-23 and B-24.

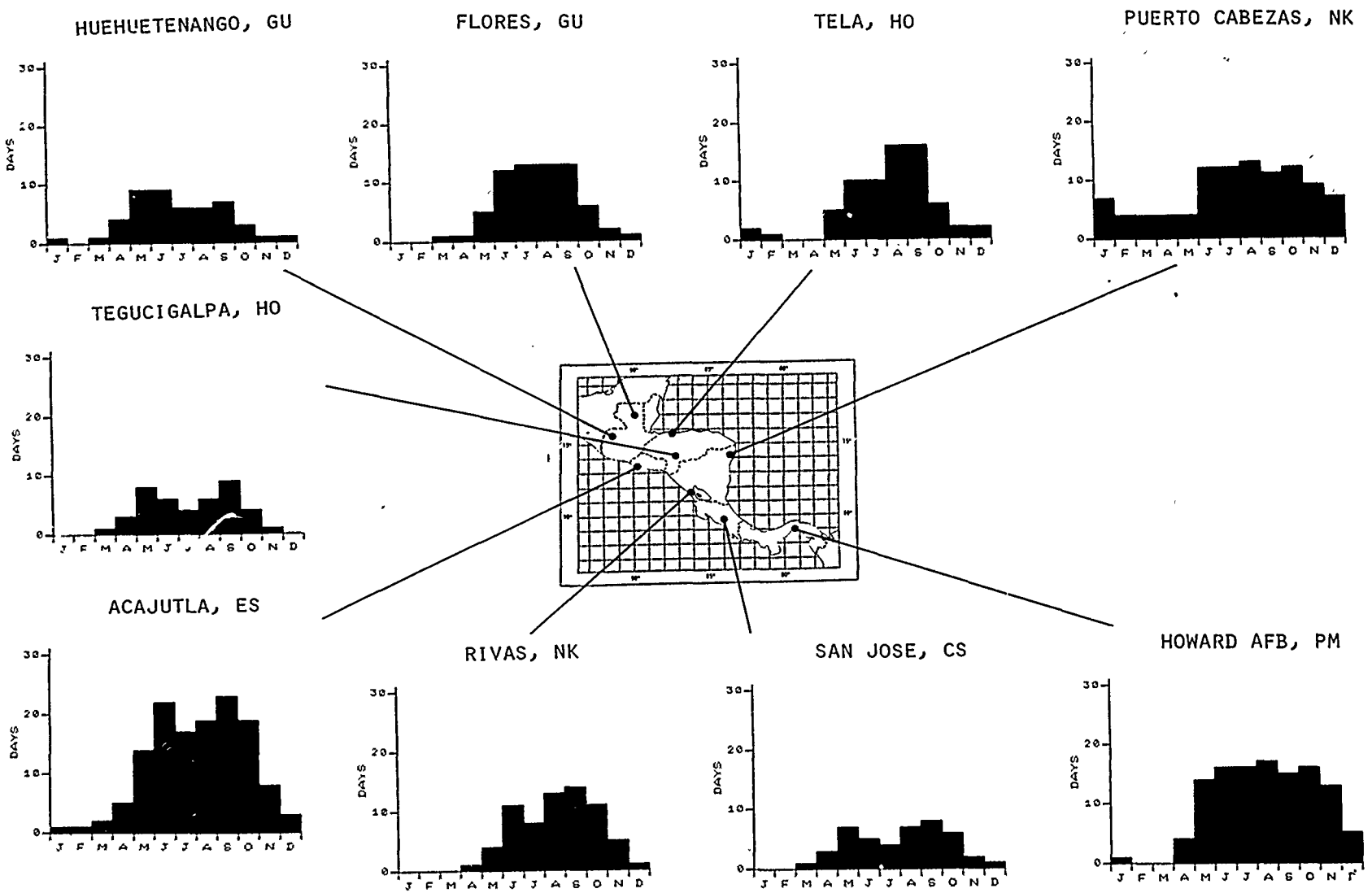

Figure 3-6 **Mean Number of Thunderstorm Days by Month, Selected Stations**

CHAPTER 4

Miscellaneous Environmental Data

4.1 **Astronomical Data.** Table 4-1 gives general astronomical data for 10 and 15 degrees north latitude. These data do not take terrain into account; consult current, detailed astronomical tables for precise values. Central America's longest and shortest days coincide with the 21 June and 21 December solstices, respectively. Because of its location south of 23° 27' north, the sun reaches its zenith over Central America twice: Once from mid- to late April as it travels north, and again in late August or early September as it returns to the south.

TABLE 4-1. Hours and Minutes of Daylight, Civil Twilight, and Astronomical Twilight at 10° and 15° North Latitude. Data are for 17th Day of each Month.

	JAN	FEB	MAR	APR	MAY	JUN
10°N Daylight	11:37	11:50	12:05	12:22	12:35	12:42
Civil Twilight	:22	:21	:21	:21	:22	:23
Astro Twilight	1:14	1:11	1:10	1:12	1:15	1:18
15°N Daylight	11:21	11:41	12:04	12:30	12:51	13:01
Civil Twilight	:23	:22	:21	:22	:23	:24
Astro Twilight	1:15	1:12	1:11	1:13	1:17	1:20

	JUL	AUG	SEP	OCT	NOV	DEC
10°N Daylight	12:38	12:26	12:09	11:53	11:40	11:32
Civil Twilight	:23	:22	:21	:21	:22	:23
Astro Twilight	1:16	1:12	1:10	1:10	1:13	1:15
15°N Daylight	12:56	12:36	12:11	11:47	11:25	11:14
Civil Twilight	:23	:22	:21	:22	:23	:23
Astro Twilight	1:19	1:14	1:11	1:12	1:15	1:17

4.2 **Tidal Data.** Tides are worth mentioning because of the significant tidal differences between the Caribbean and Pacific sides of the isthmus. On the Caribbean side, tidal variations are very small, generally with only 1 to 3 foot differences between low and high. On the middle and northern Pacific coasts, however, such as at La Union, El Salvador, and Puntaremas, Costa Rica, the difference between low and high tide may be as much as 7 to 9 feet. At Balboa, Panama, the change can be as much as 12 to 14 feet. Consult local tide tables for exact dates, times, and locations in question.

4.3 **Seismic Activity.** Earthquakes are fairly common in Central America. Quakes of 5.0 or greater on the Richter Scale have been recorded in Guatemala, Honduras, El Salvador, and Costa Rica since 1976. Historically, earthquakes have caused more life and property losses than any other natural phenomenon in Central America. Probably the most significant effect of seismic activity on military operations would be the frequent quake-induced landslides that block roads and mountain passes.

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APPENDIX A

Contoured Charts

The contoured charts in this appendix were produced to show major patterns such as areas of maxima and minima. They do not reflect mesoscale features. Users should refer to tables in Appendix B and to detailed topographic charts for data relating to specific times or locations.

As a general rule, the surface charts presented in this appendix are for the months of February, May, August, and November. These months were selected because February and August are centered in the dry and wet seasons, respectively, while May and November most closely represent transitional periods. An exception to these selections is in the precipitation charts, which are for March (the driest month), October (the wettest month), and "Annual."

Since the mid-season months of January, April, July, and October are representative of winter, spring, summer, and fall, respectively, they were selected for upper air chart presentations.

Specifically, charts are presented as follows:

Mean Precipitation: March, October, "Annual"

Mean Temperature: February, May, August, November

Ceiling: February, May, August, November: Hours 00Z and 12Z

Visibility: Same as ceiling

Sky Cover: Same as ceiling, but hours 06Z and 18Z

Paradrop: Same as ceiling

Relative Humidity: Same as ceiling

Mean Upper Air Circulation: Winter, Spring, Summer, Fall, (January, April, July, October)

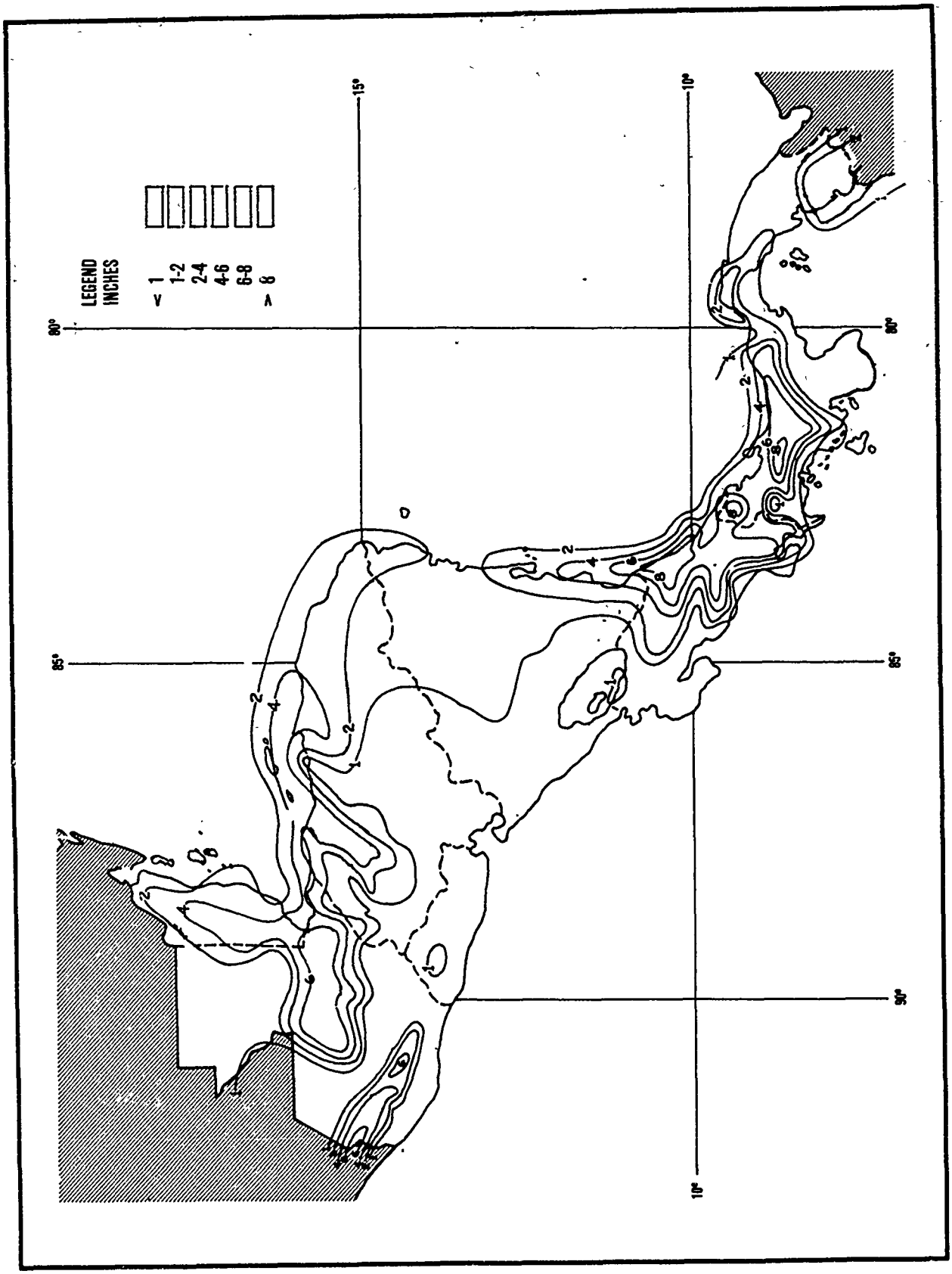

CHART A-1 Dry Month Precipitation (March)

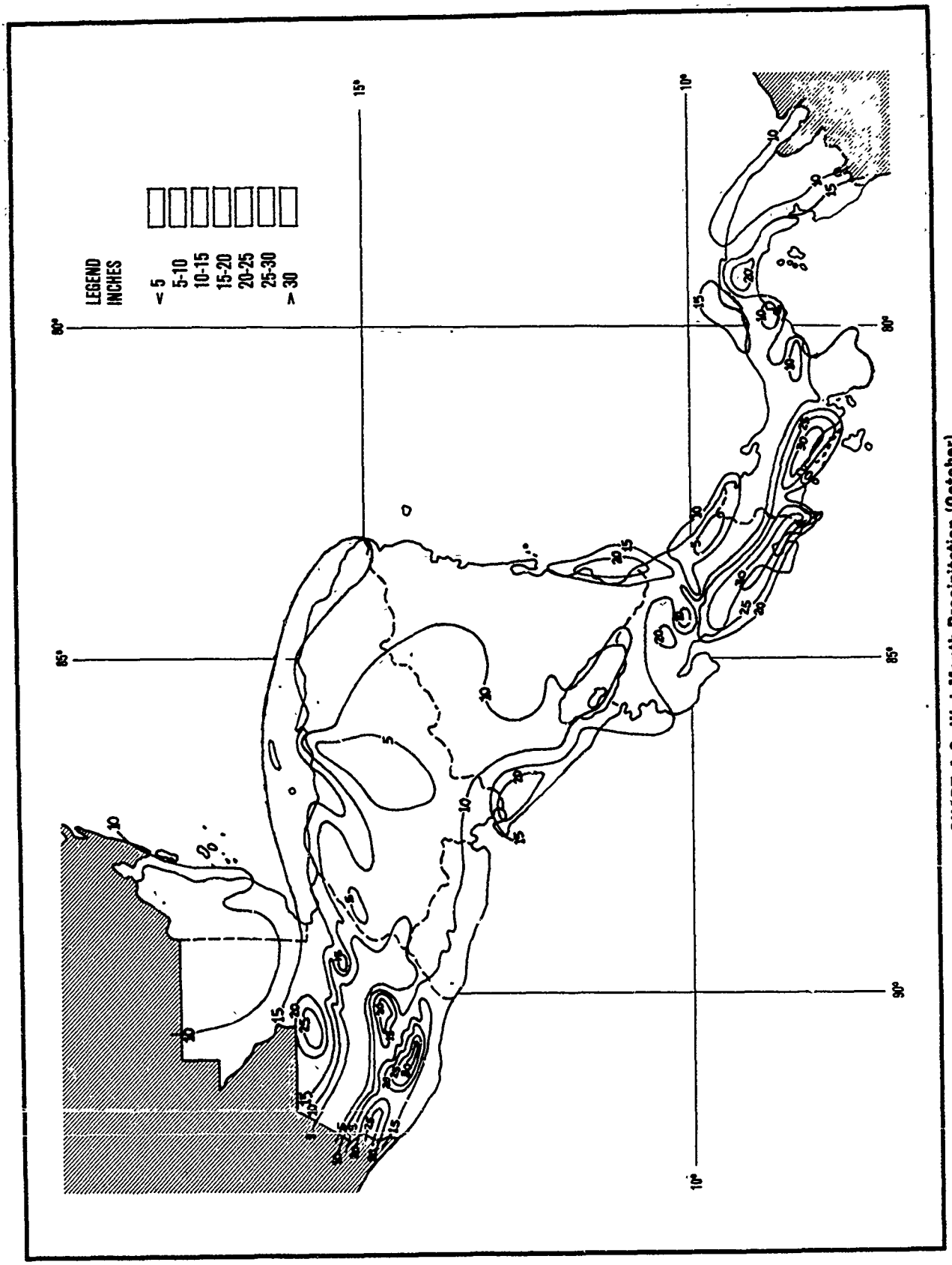

CHART A-2 Wet Month Precipitation (October)

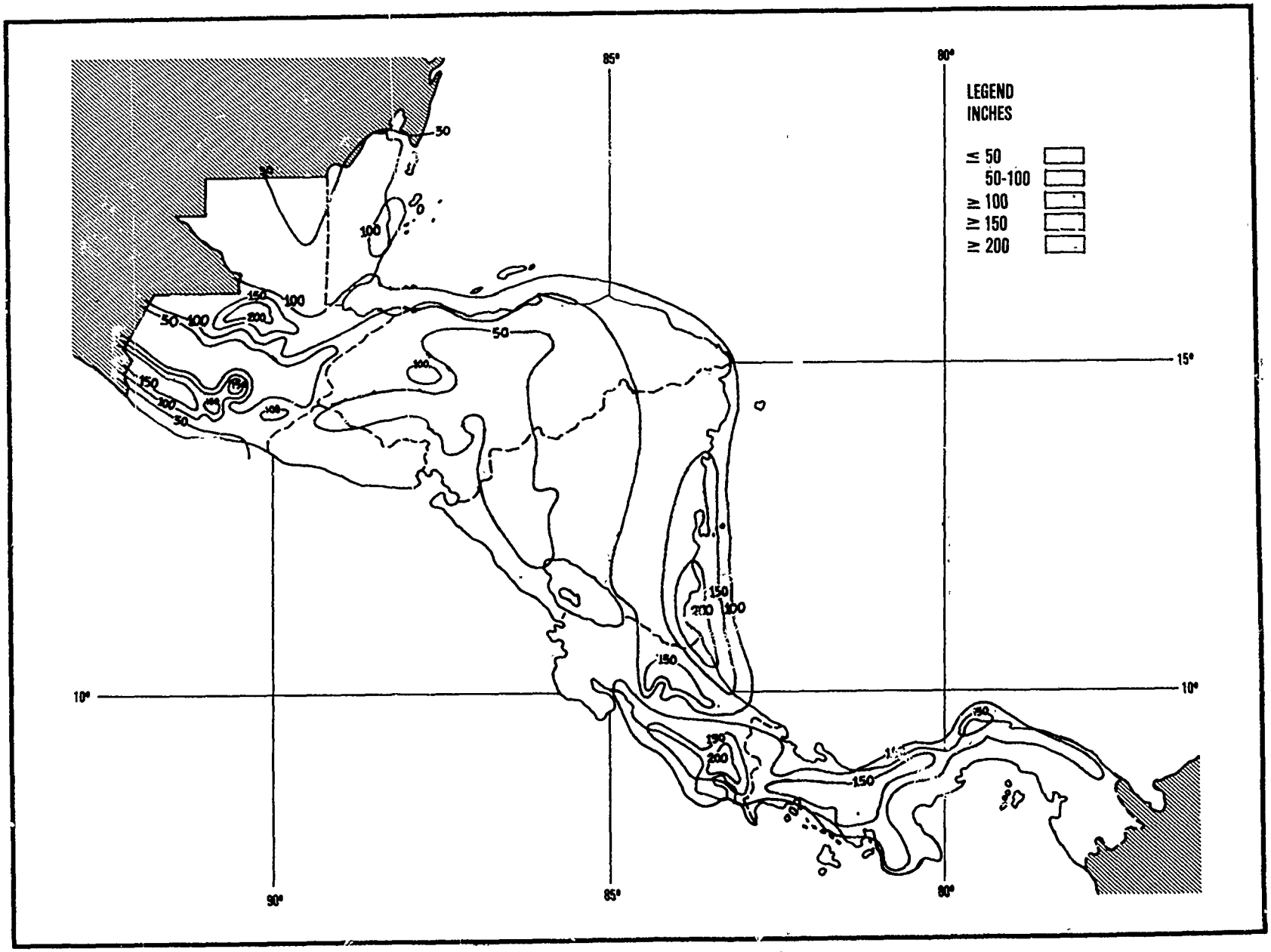

CHART A-3 Mean Annual Precipitation

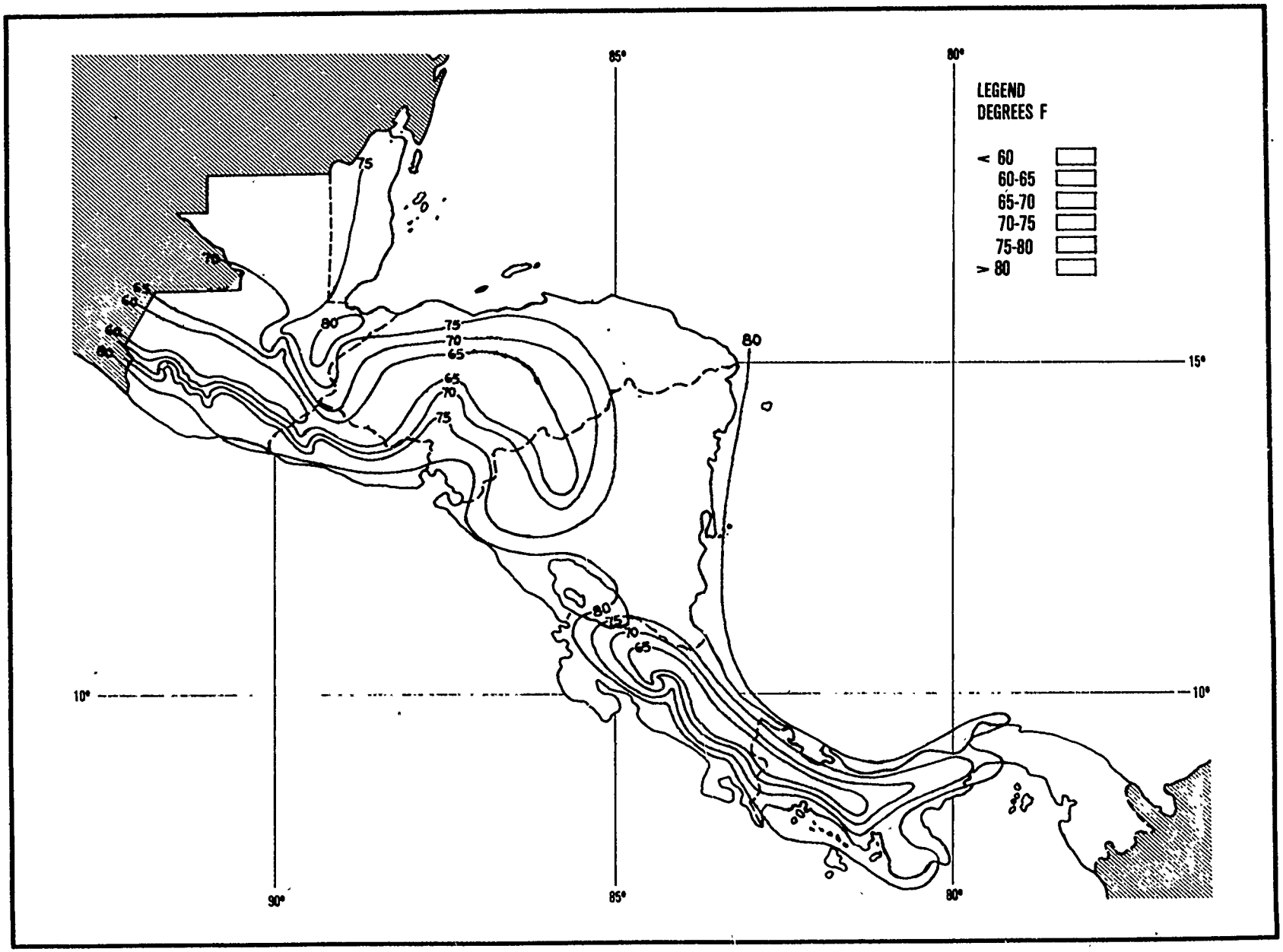

CHART A-4 Mean Monthly Temperature, February

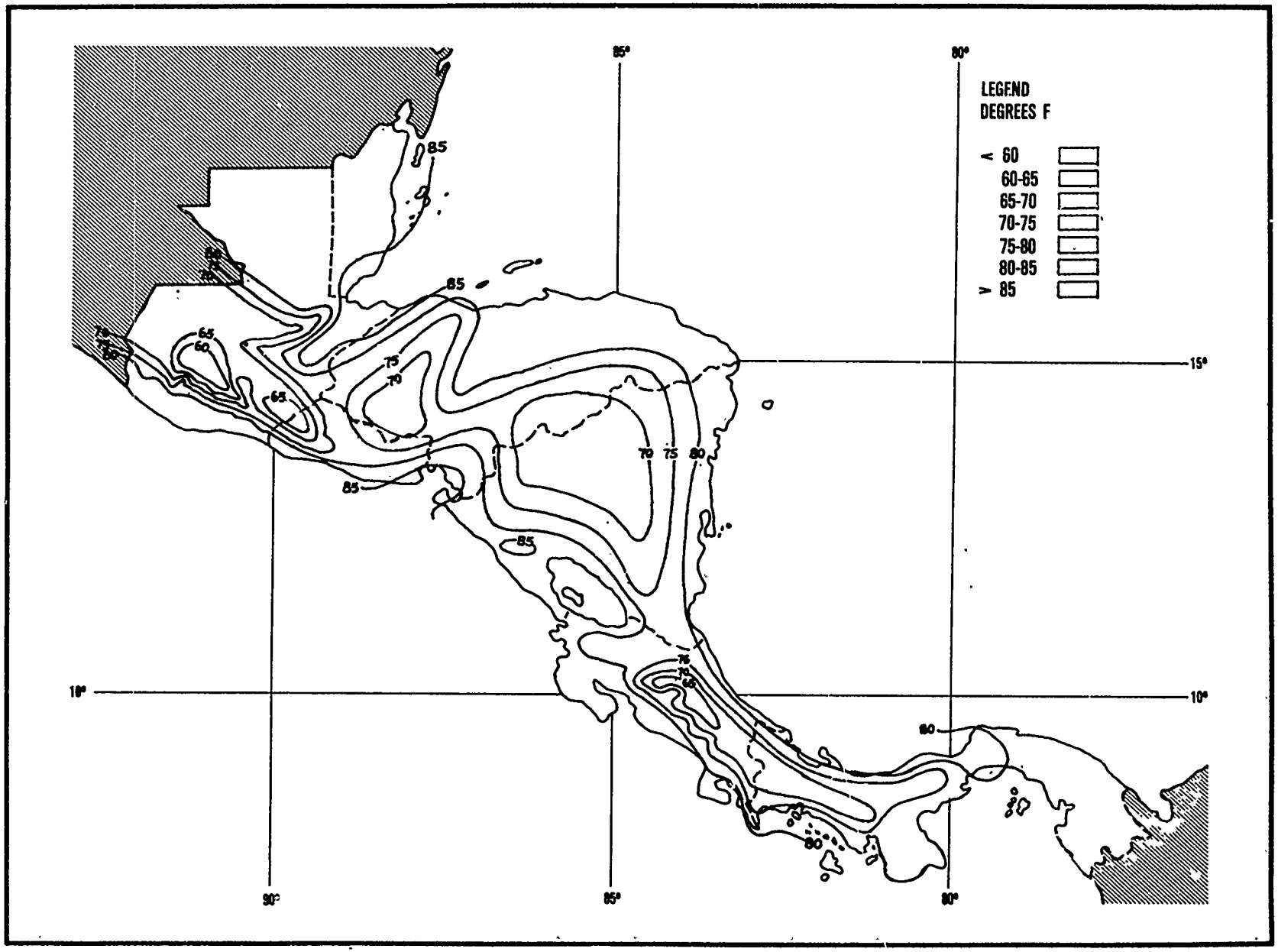

CHART A-5 Mean Monthly Temperature, May

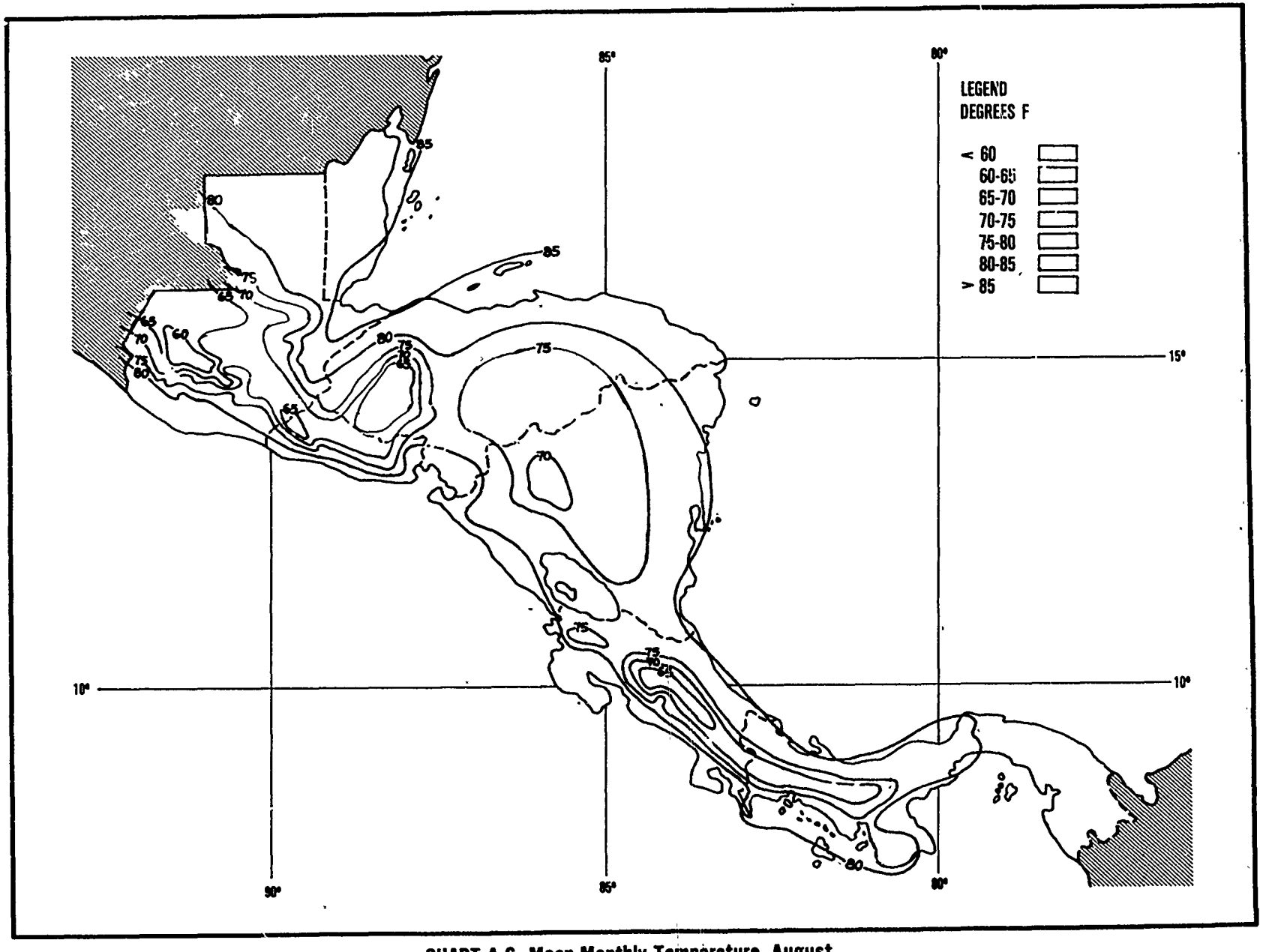

CHART A-6 Mean Monthly Temperature, August

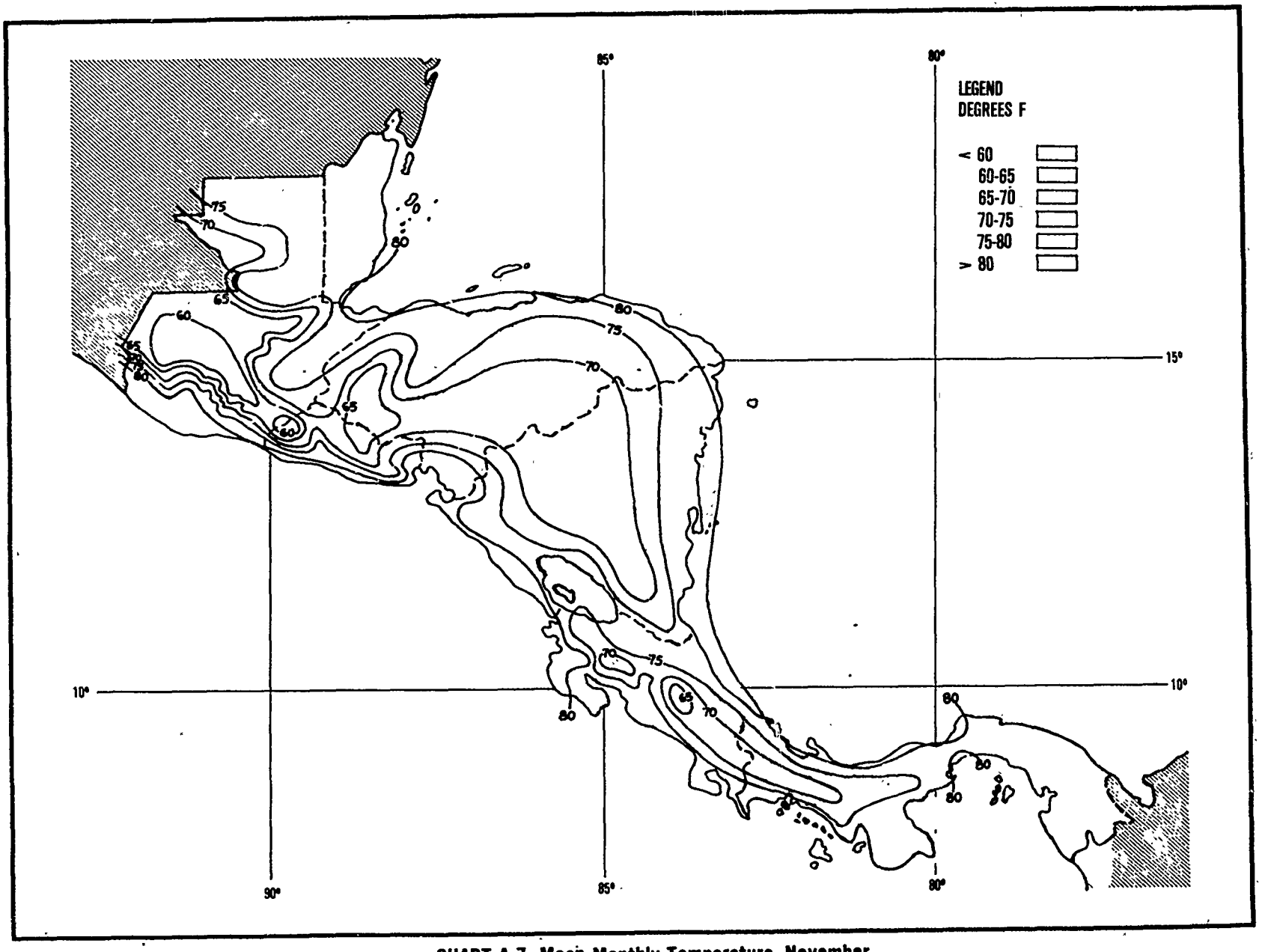

CHART A-7 Mean Monthly Temperature, November

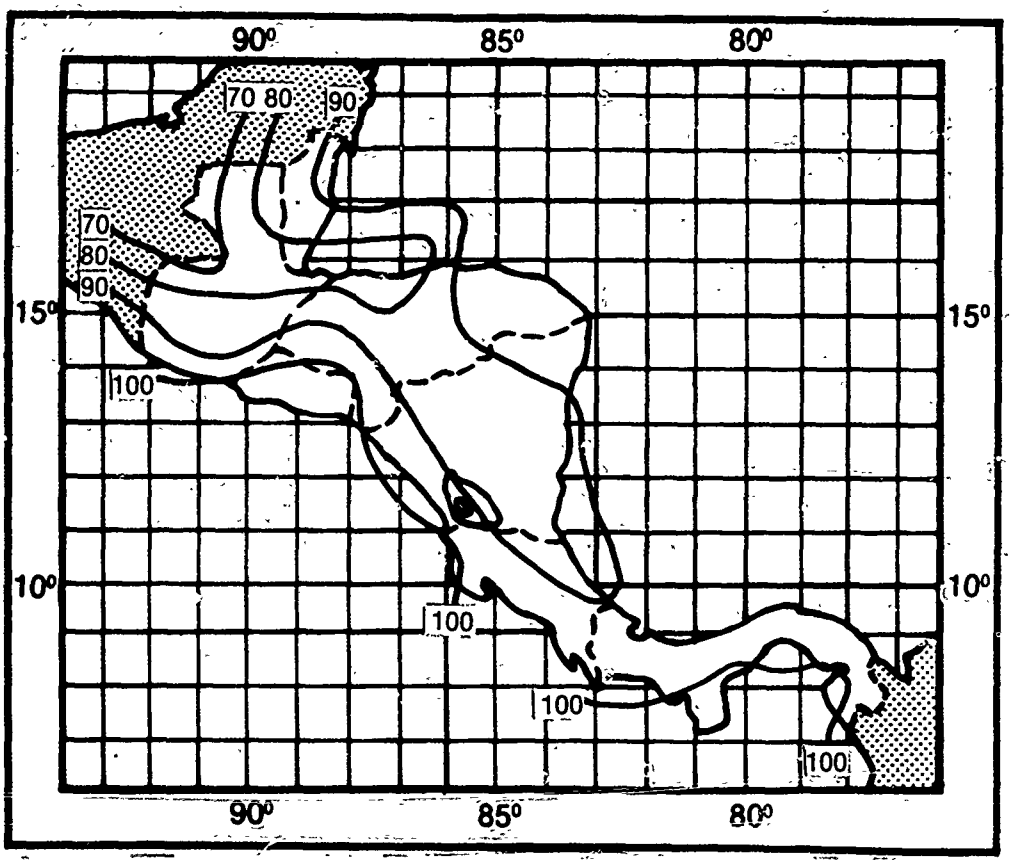

CHART A-8 Percent Frequency of Occurrence, Ceilings ≥ 3,000 ft, February, 00Z

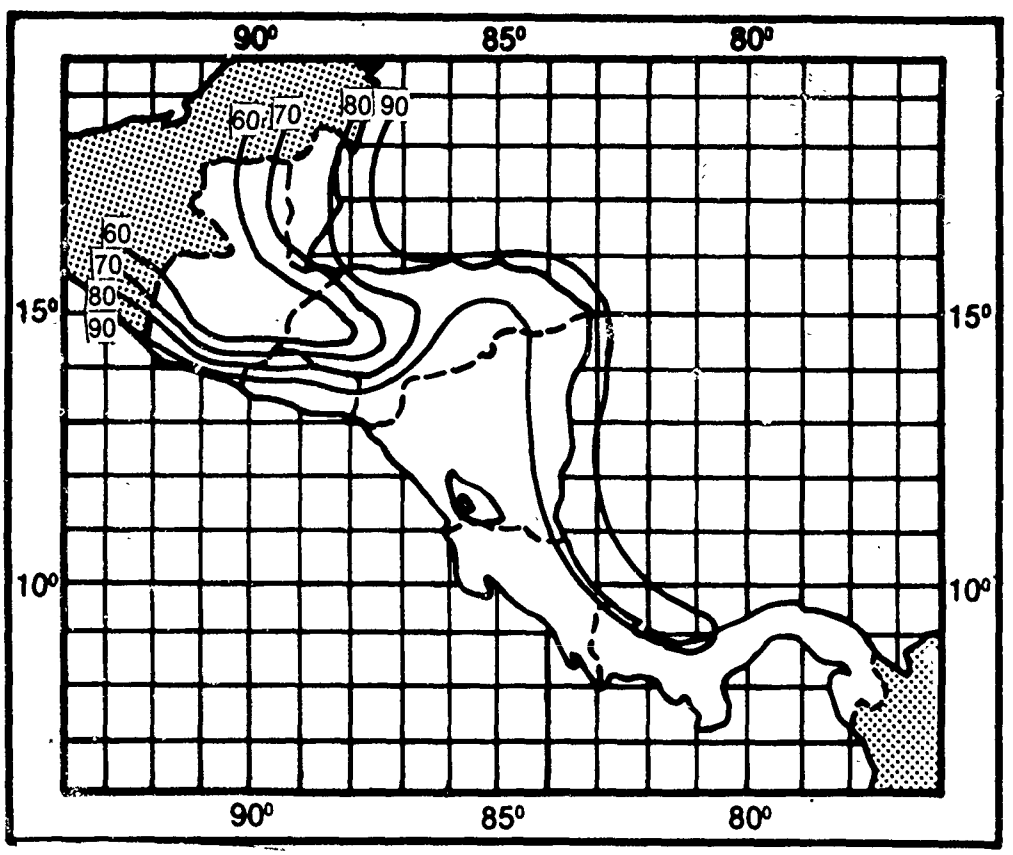

CHART A-9 Percent Frequency of Occurrence, Ceilings ≥ 3,000 ft, February, 12Z

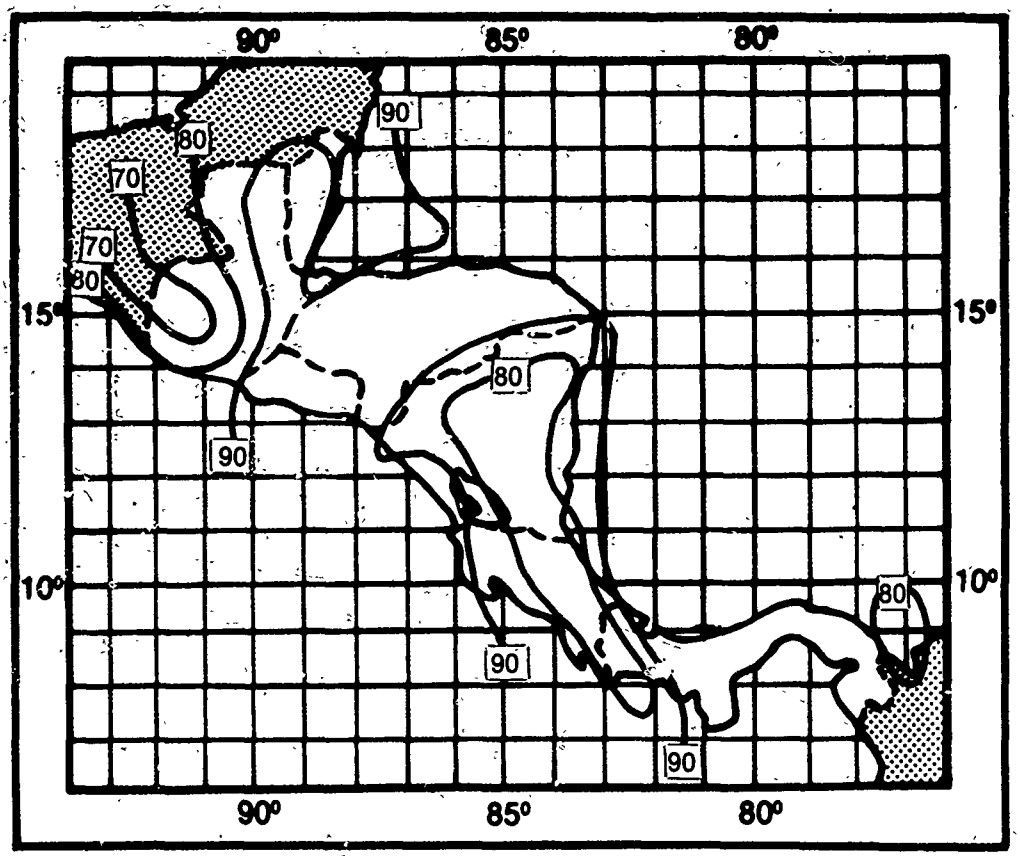

CHART A-10 Percent Frequency of Occurrence, Ceilings ≥ 3,000 ft, May, 00Z

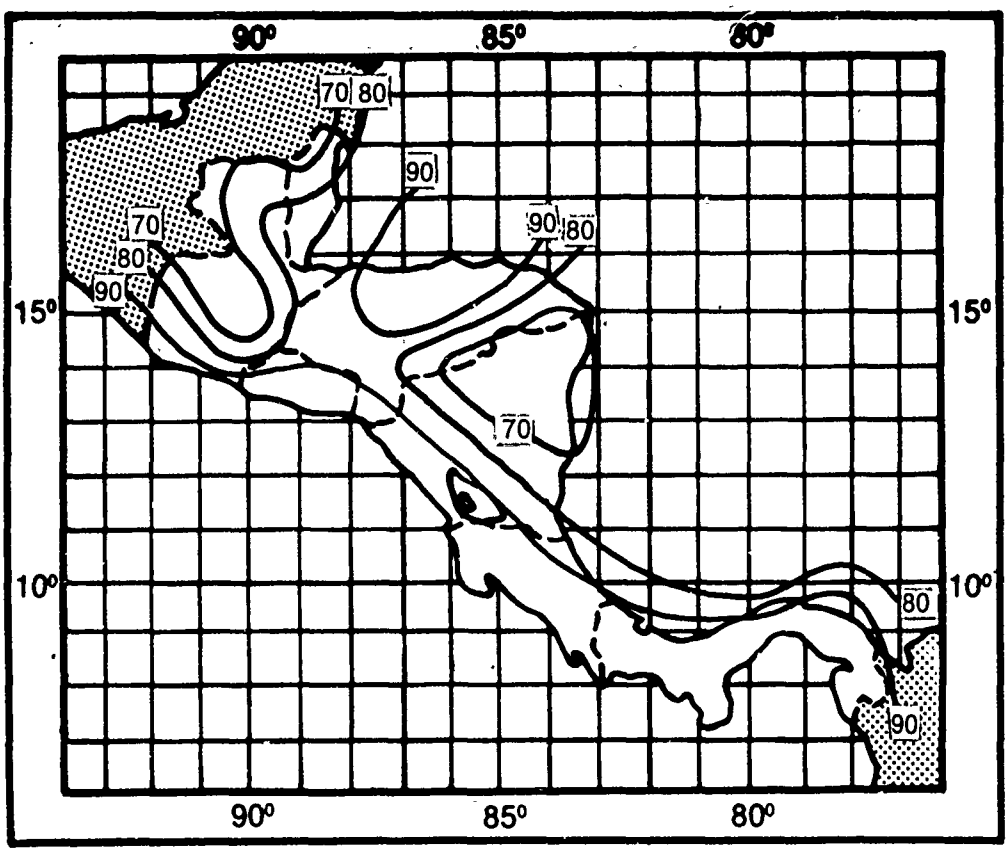

CHART A-11 Percent Frequency of Occurrence, Ceilings ≥ 3,000 ft, May, 12Z

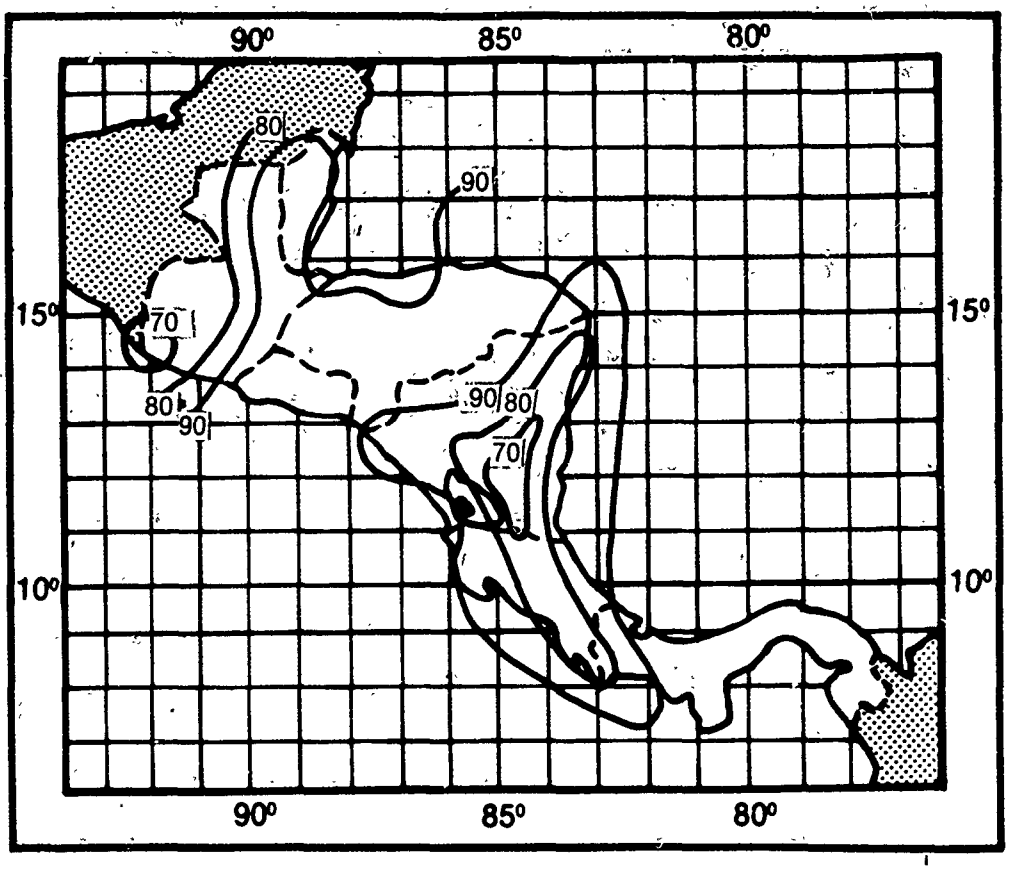

CHART A-12 Percent Frequency of Occurrence, Ceilings ≥ 3,000 ft, August, 00Z

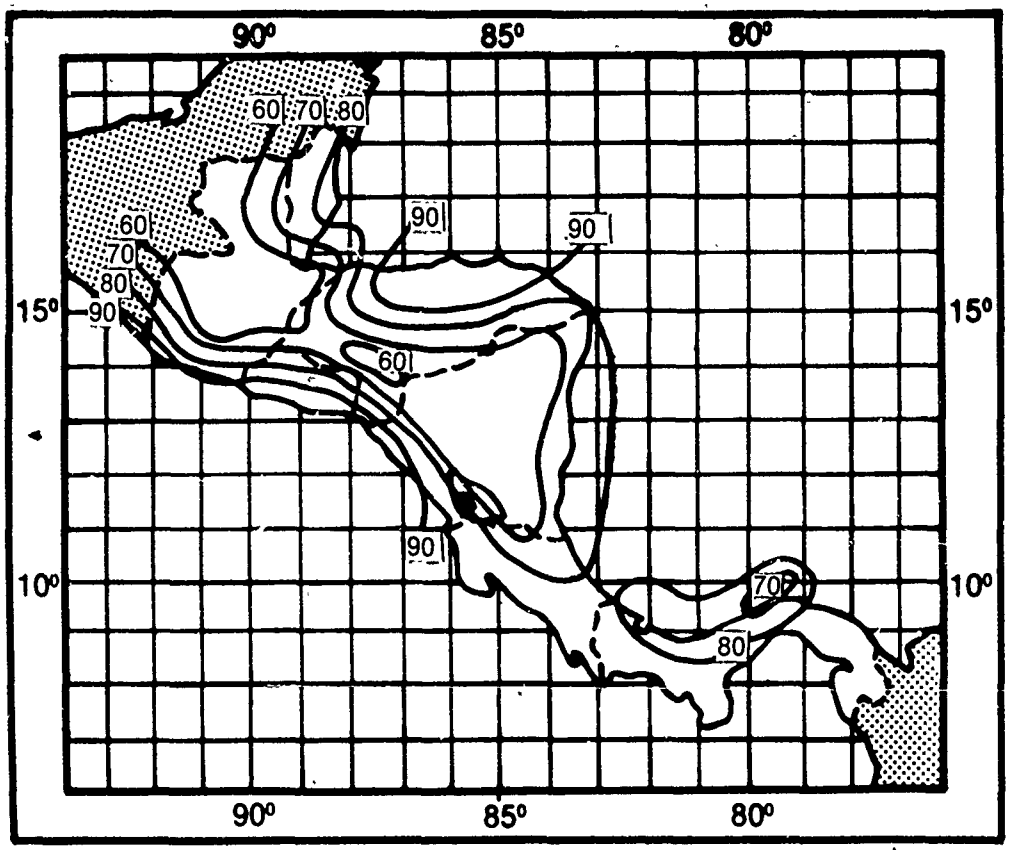

CHART A-13 Percent Frequency of Occurrence, Ceilings ≥ 3,000 ft, August, 12Z

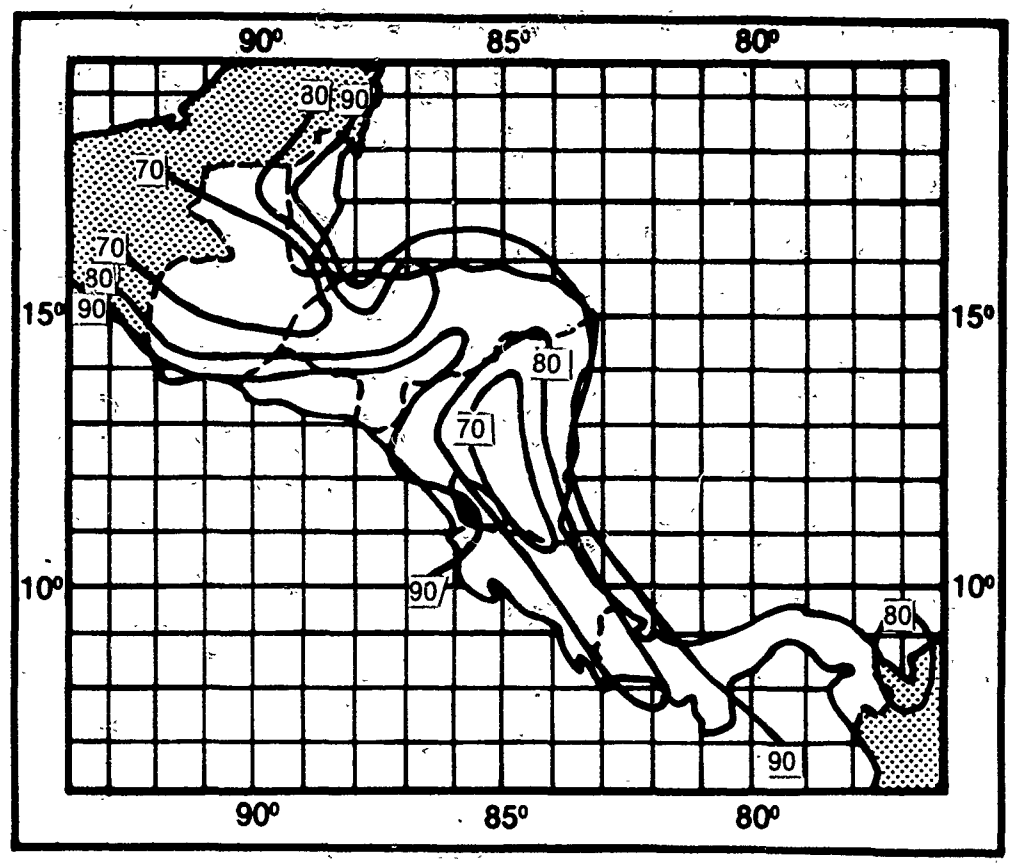

CHART A-14 Percent Frequency of Occurrence, Ceilings ≥ 3,000 ft, November, 00Z

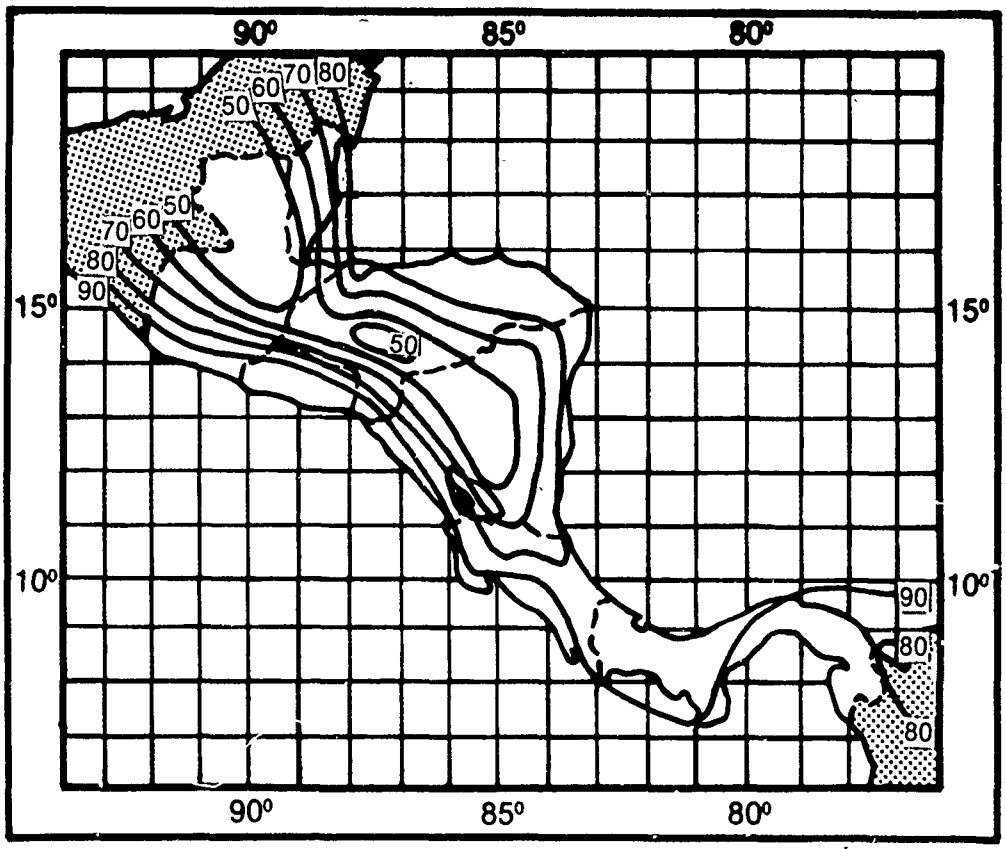

CHART A-15 Percent Frequency of Occurrence, Ceilings ≥ 3,000 ft, November, 12Z

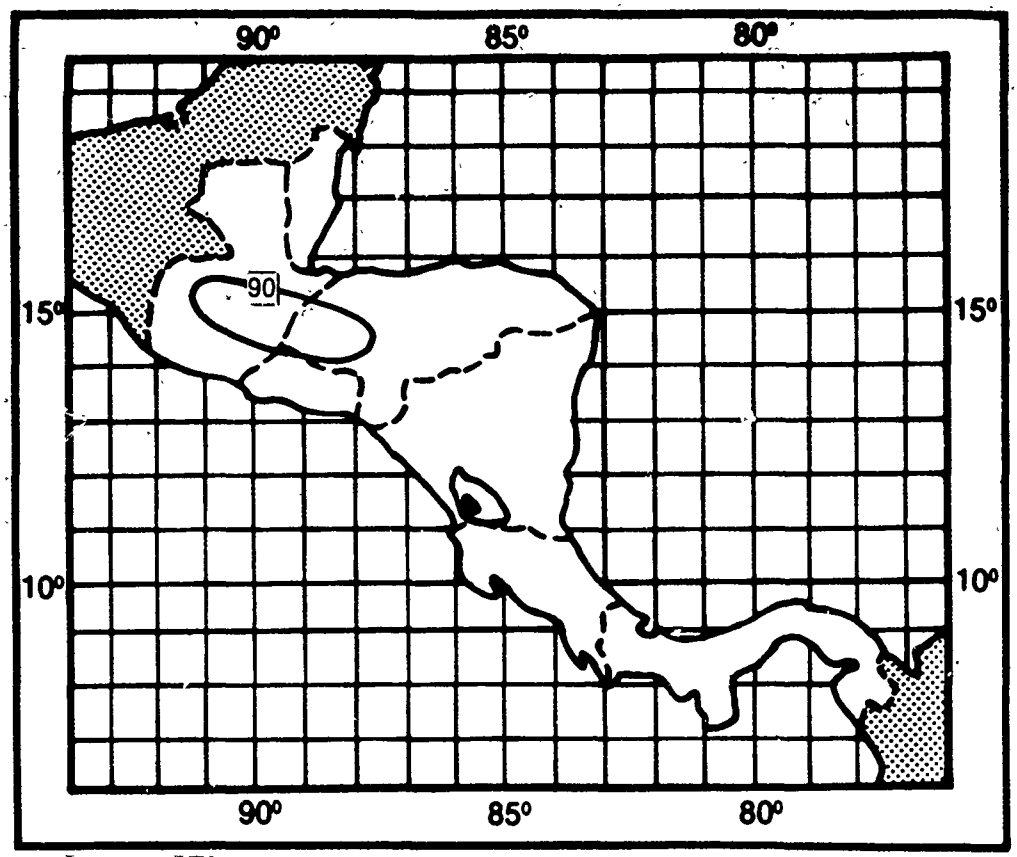

CHART A-16 Percent Frequency of Occurrence, Visibility ≥ 3 Miles, February, 00Z

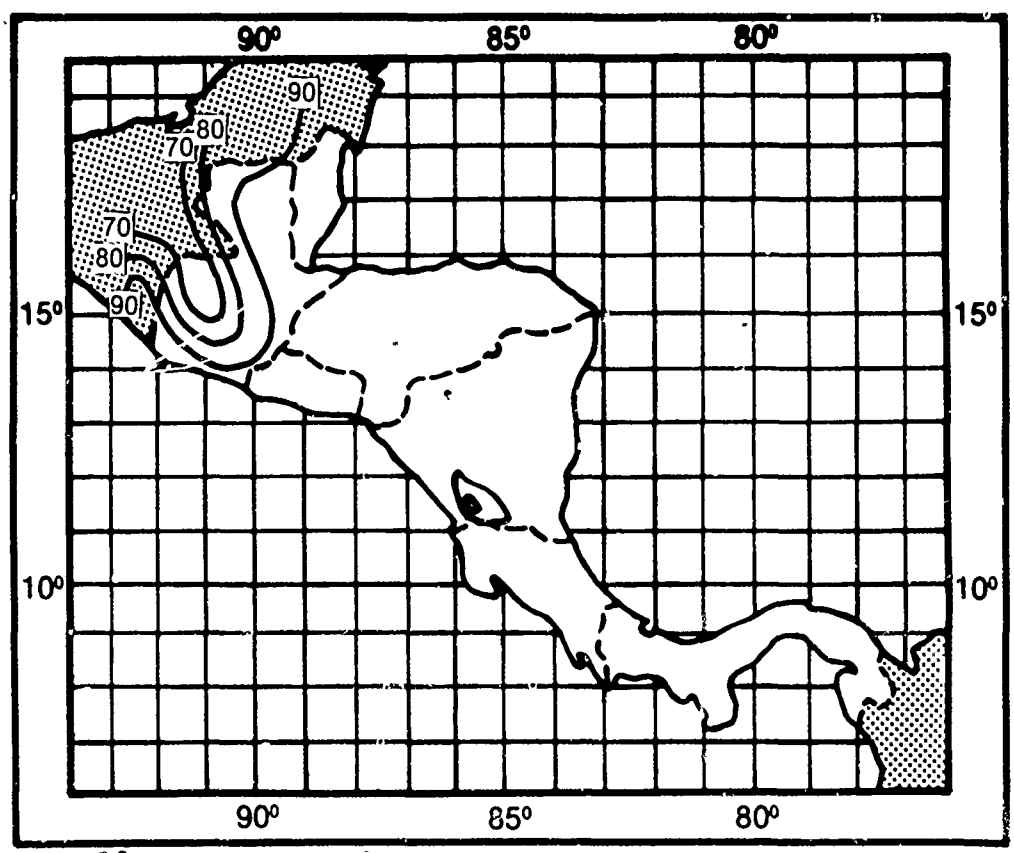

CHART A-17 Percent Frequency of Occurrence, Visibility ≥ 3 Miles, February, 12Z

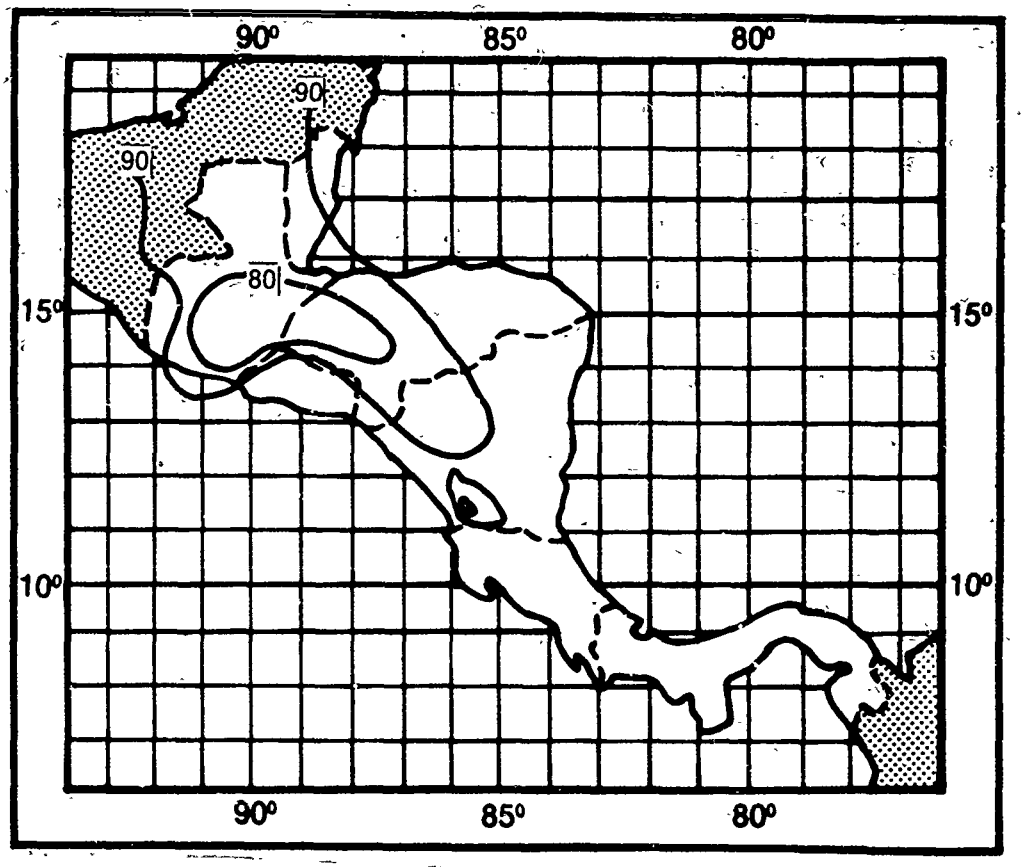

CHART A-18 Percent Frequency of Occurrence, Visibility ≥ 3 Miles, May, 00Z

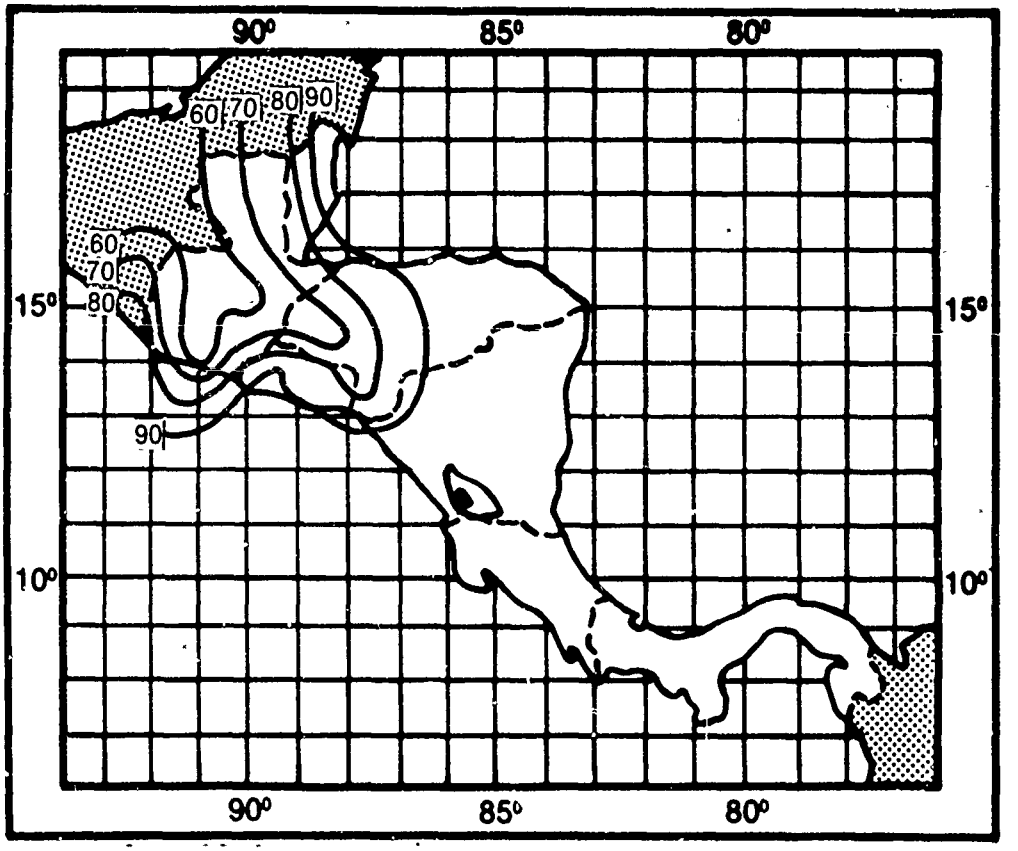

CHART A-19 Percent Frequency of Occurrence, Visibility ≥ 3 Miles, May, 12Z

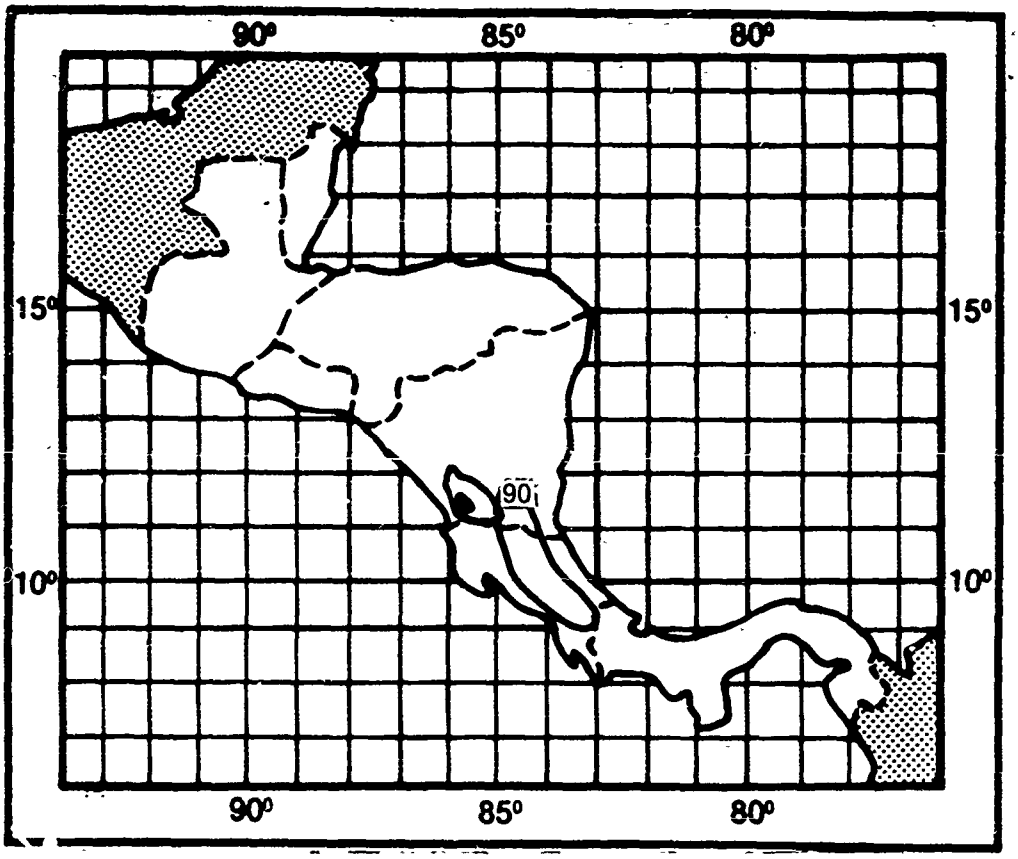

CHART A-20 Percent Frequency of Occurrence, Visibility ≥ 3 Miles, August, 00Z

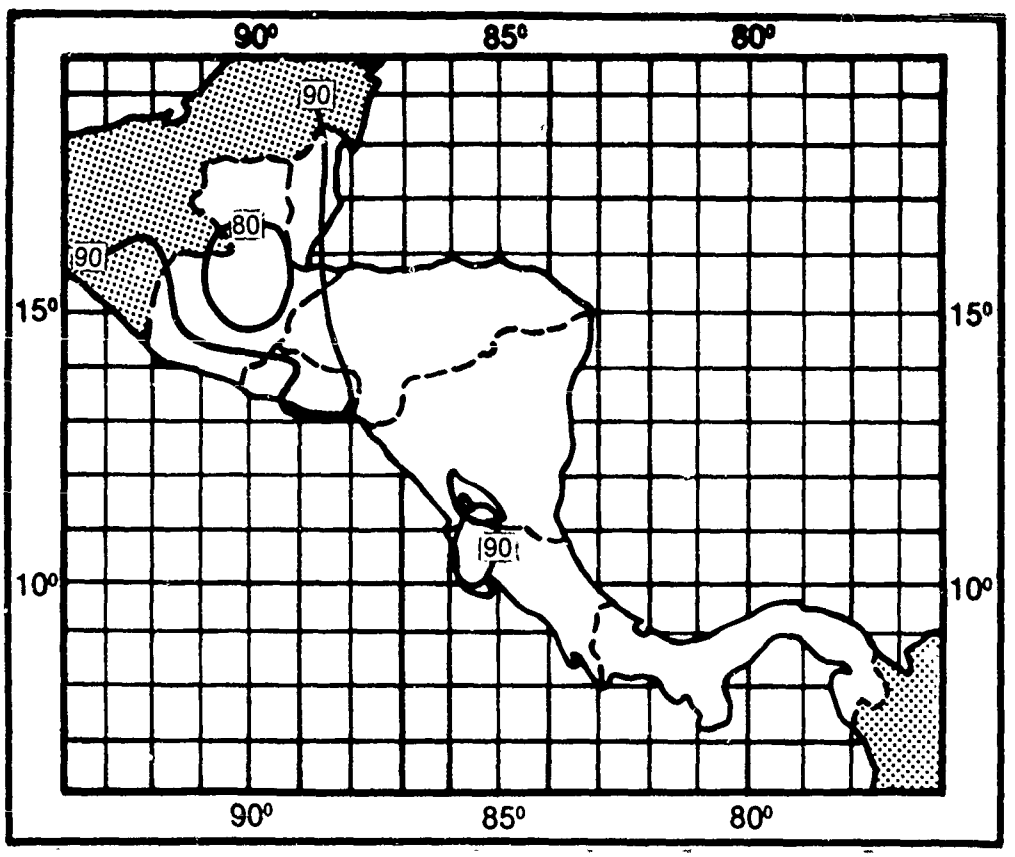

CHART A-21 Percent Frequency of Occurrence, Visibility ≥ 3 Miles, August, 12Z

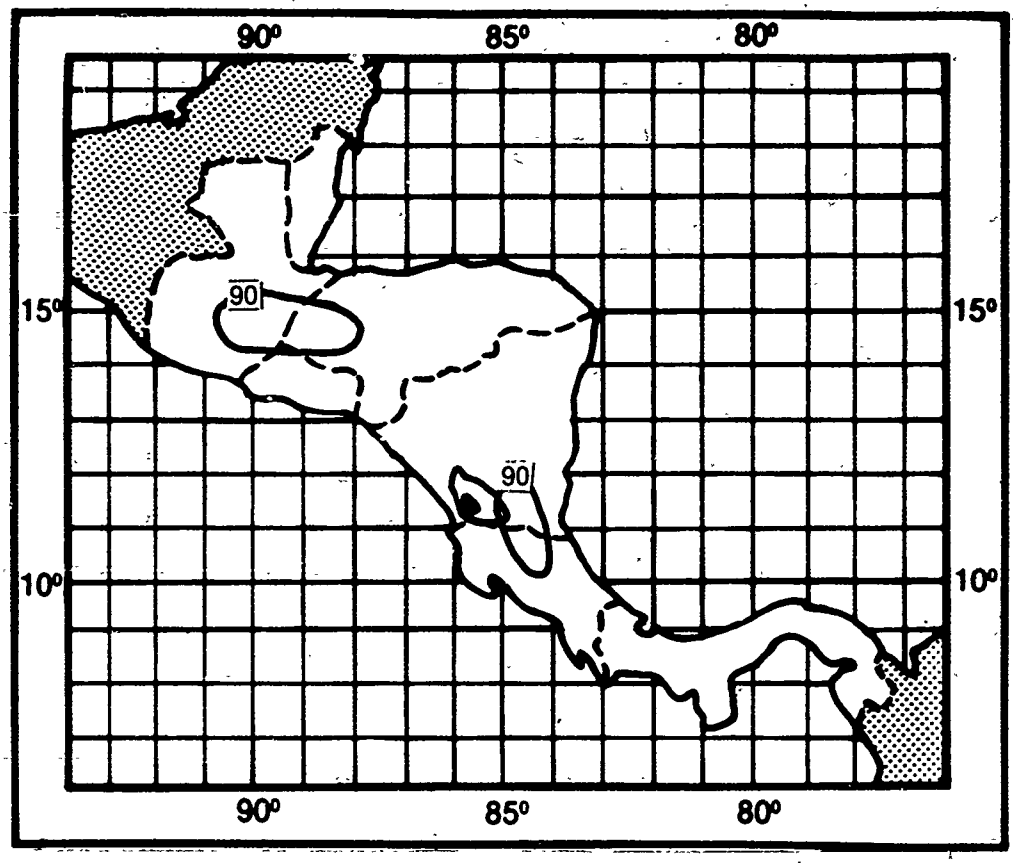

CHART A-22 Percent Frequency of Occurrence, Visibility ≥ 3 Miles, November, 00Z

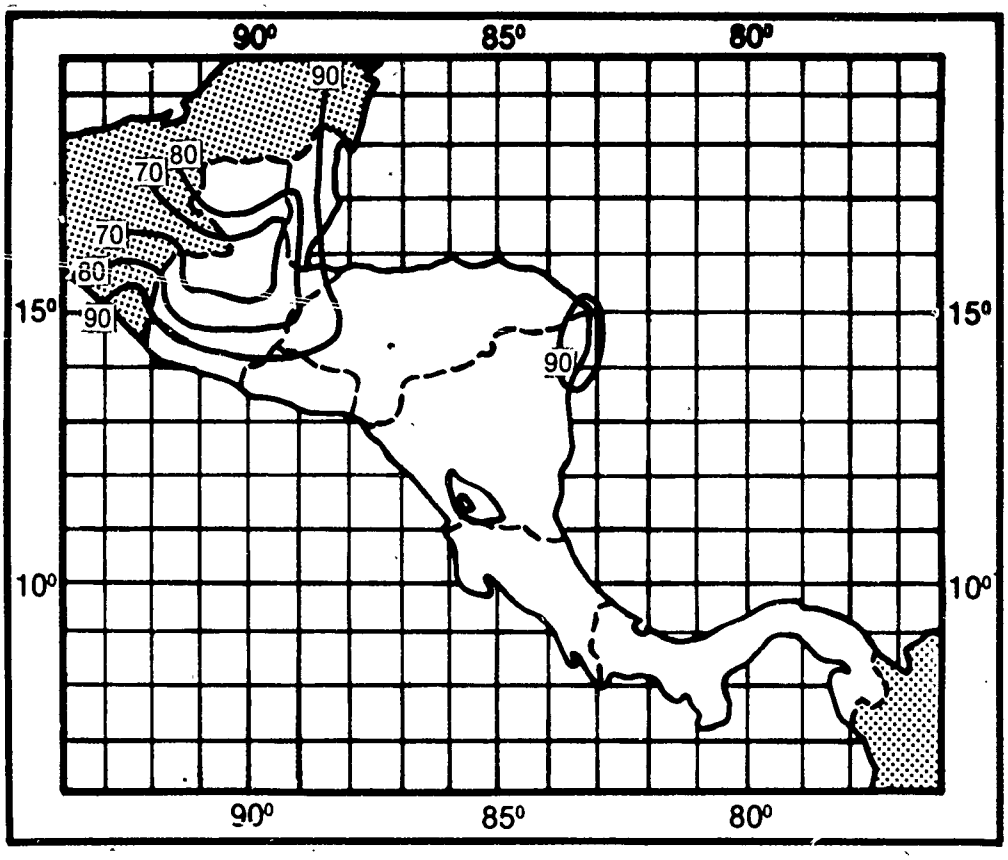

CHART A-23 Percent Frequency of Occurrence, Visibility ≥ 3 Miles, November, 12Z

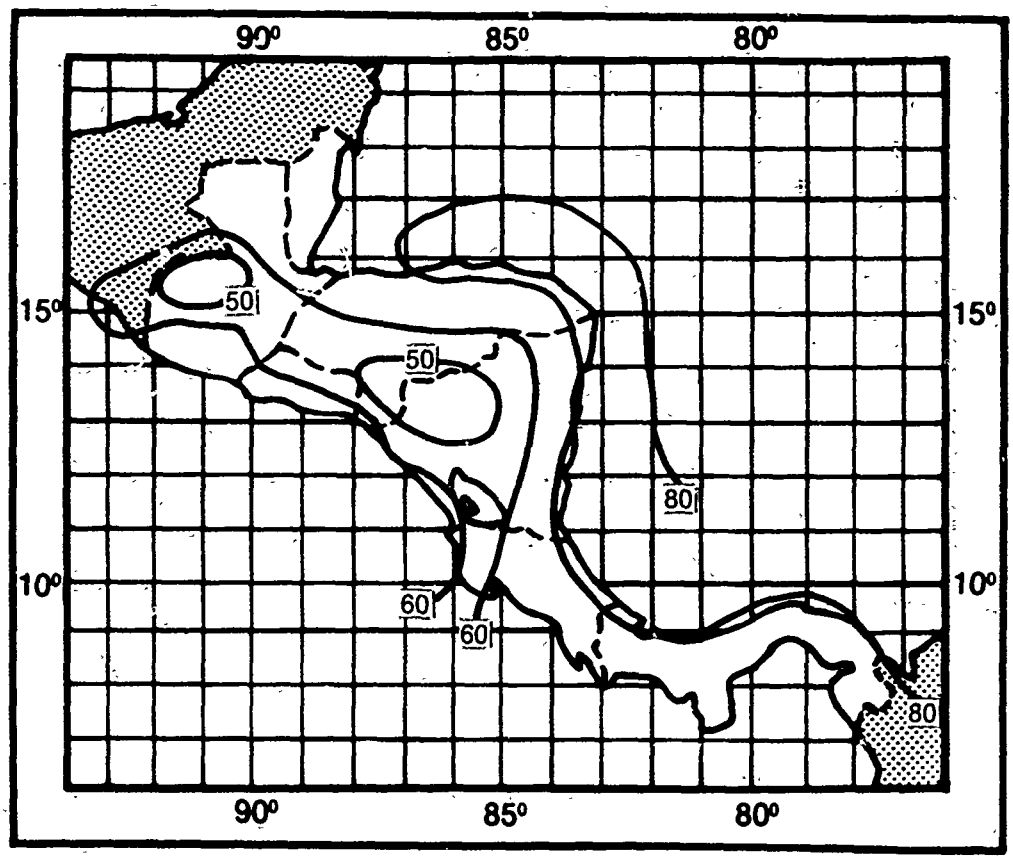

CHART A-24 Mean Relative Humidity, February, 00Z

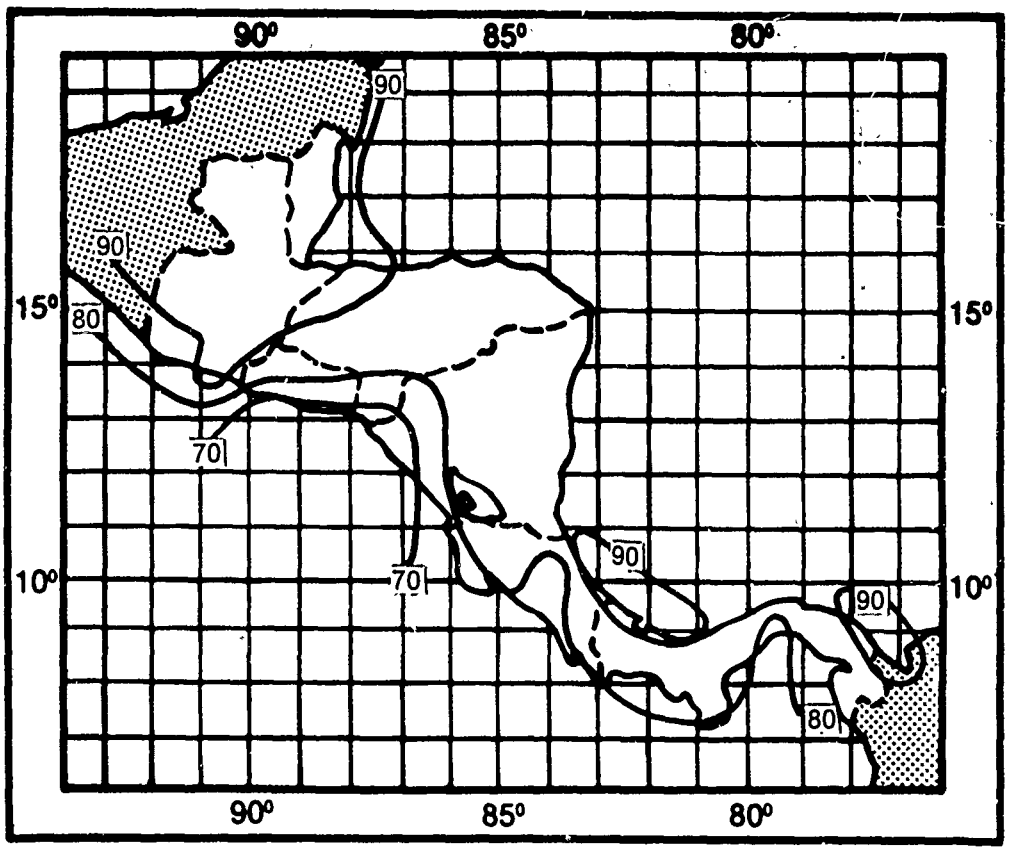

CHART A-25 Mean Relative Humidity, February, 12Z

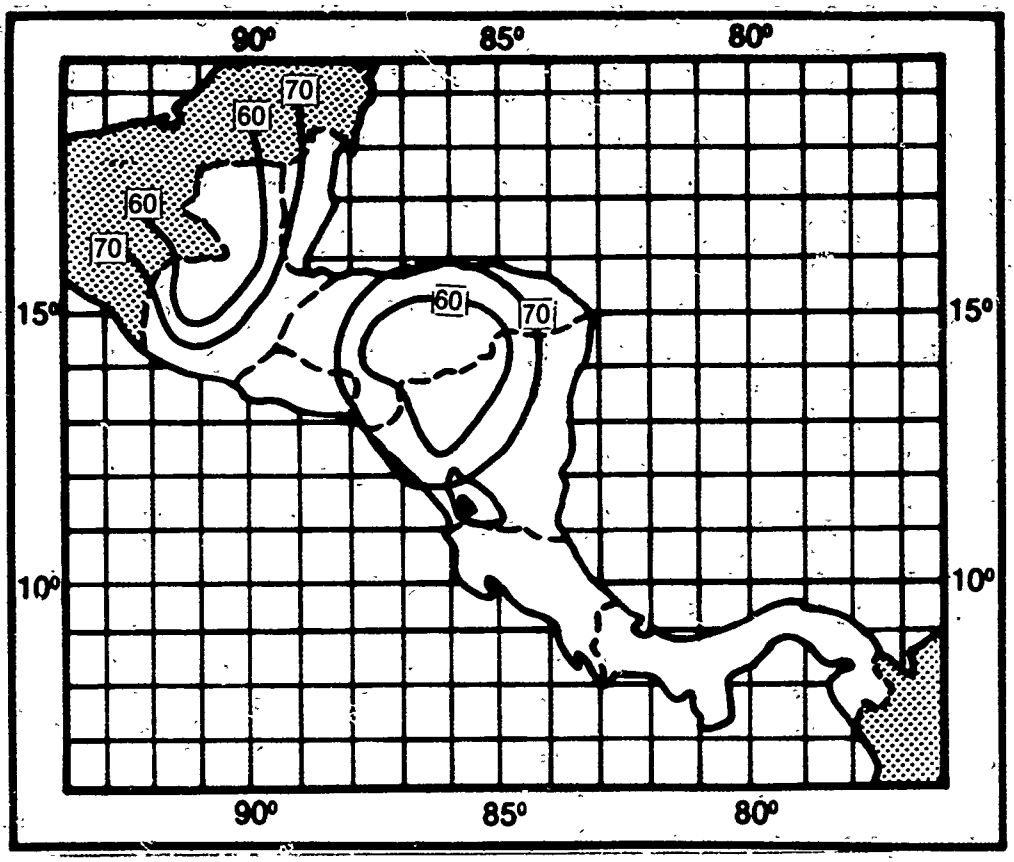

CHART A-26 Mean Relative Humidity, May, 00Z

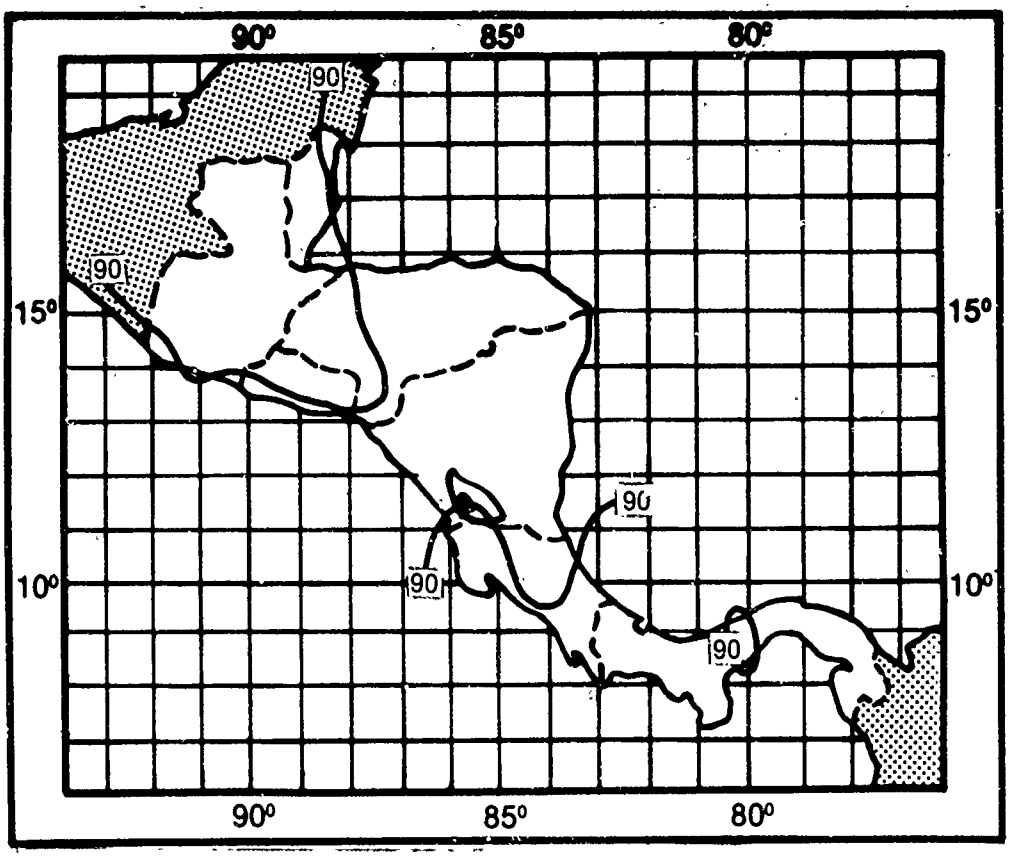

CHART A-27 Mean Relative Humidity, May, 12Z

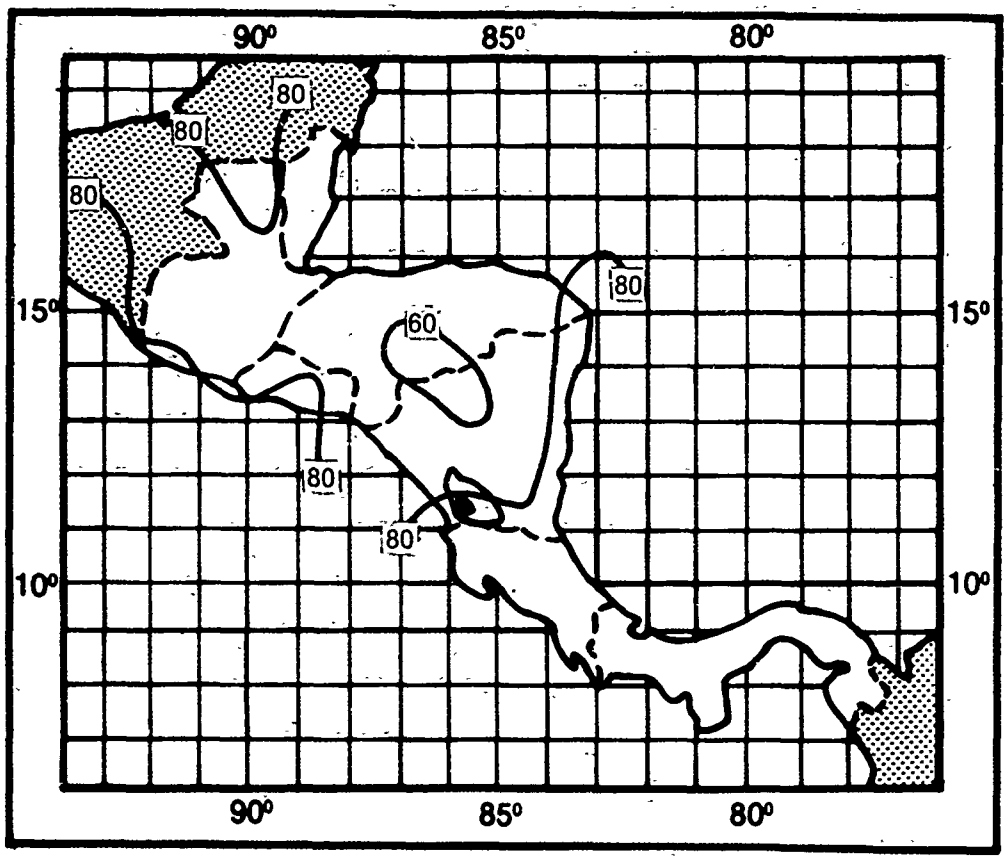

CHART A-28 Mean Relative Humidity, August, 00Z

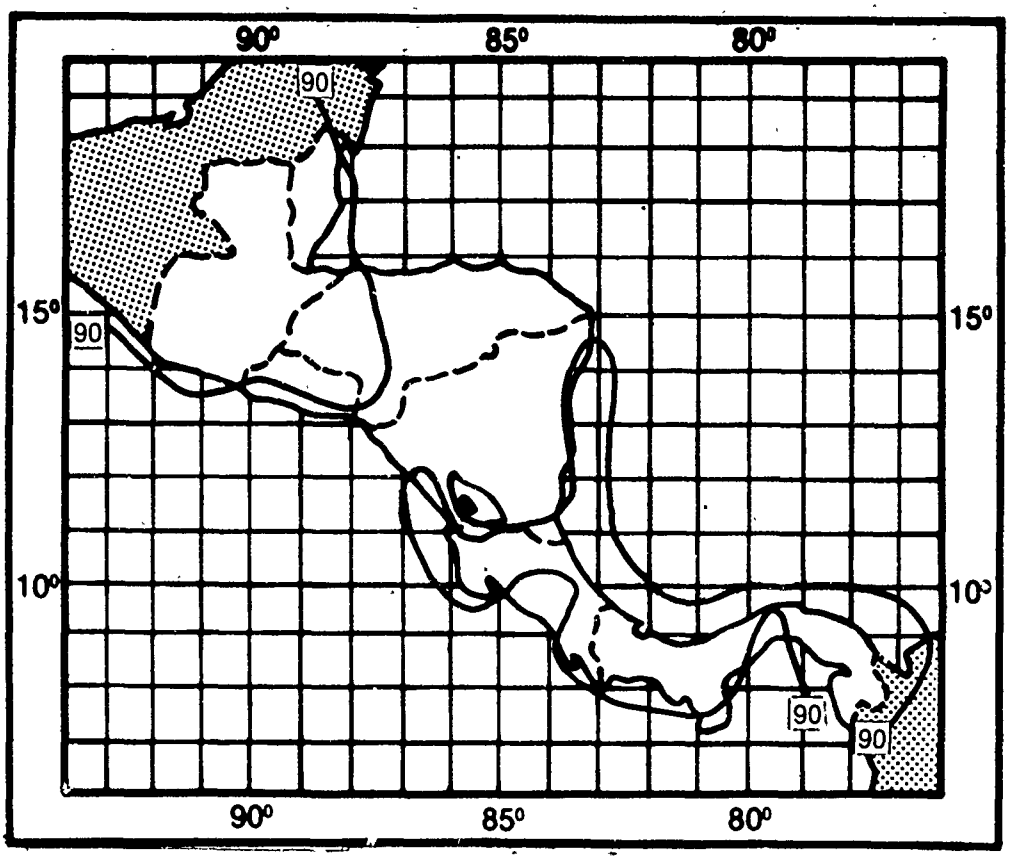

CHART A-29 Mean Relative Humidity, August, 12Z

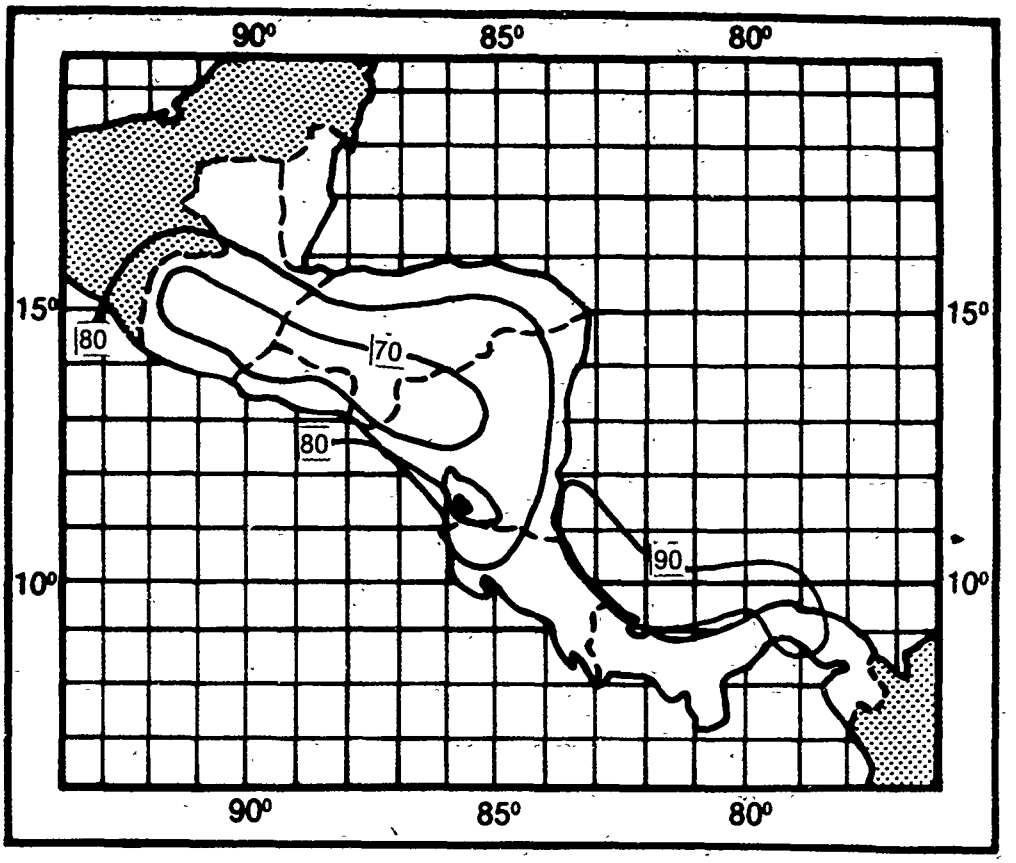

CHART A-30 Mean Relative Humidity, November, 00Z

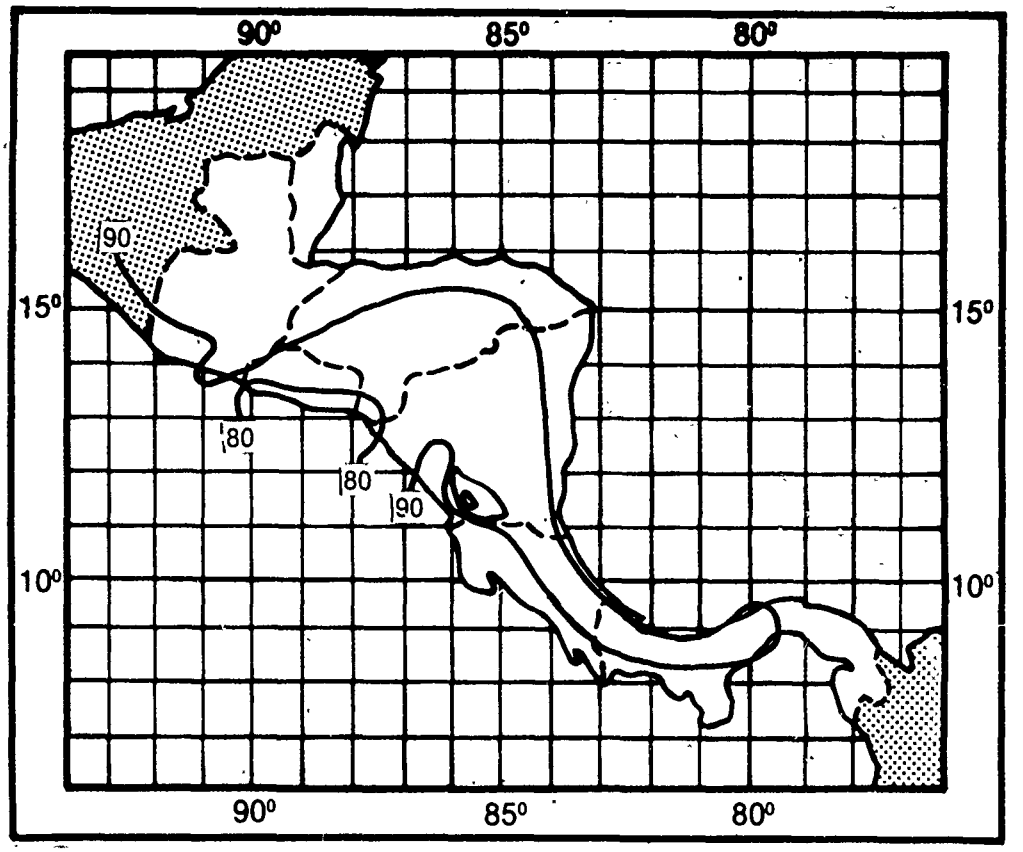

CHART A-31 Mean Relative Humidity, November, 12Z

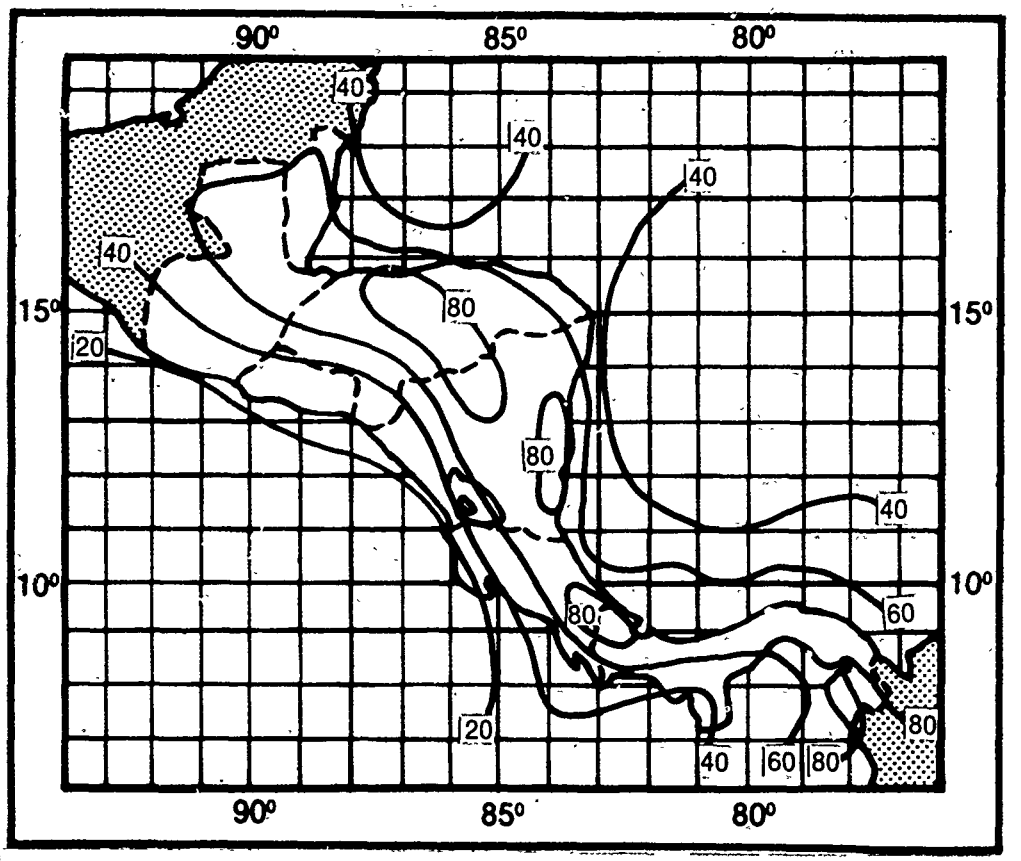

CHART A-32 Percent of Time Total Sky Cover ≥ 6/10, February, 18Z

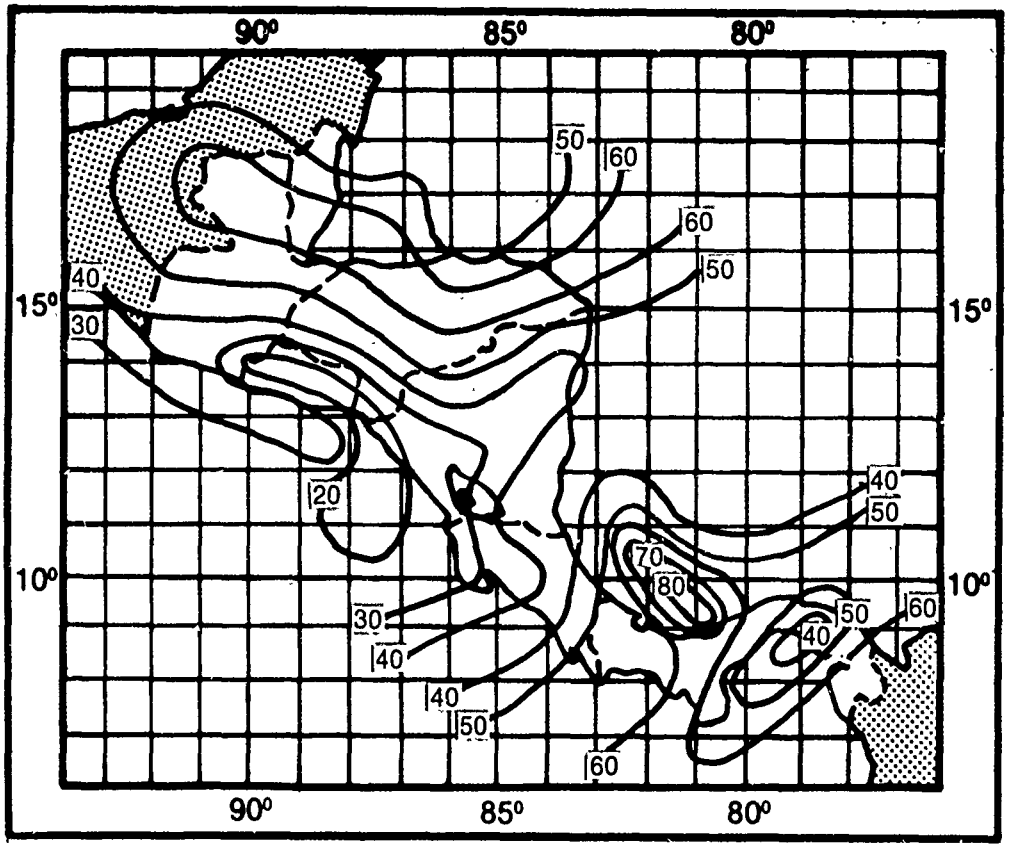

CHART A-33 Percent of Time Total Sky Cover ≥ 6/10, February, 06Z

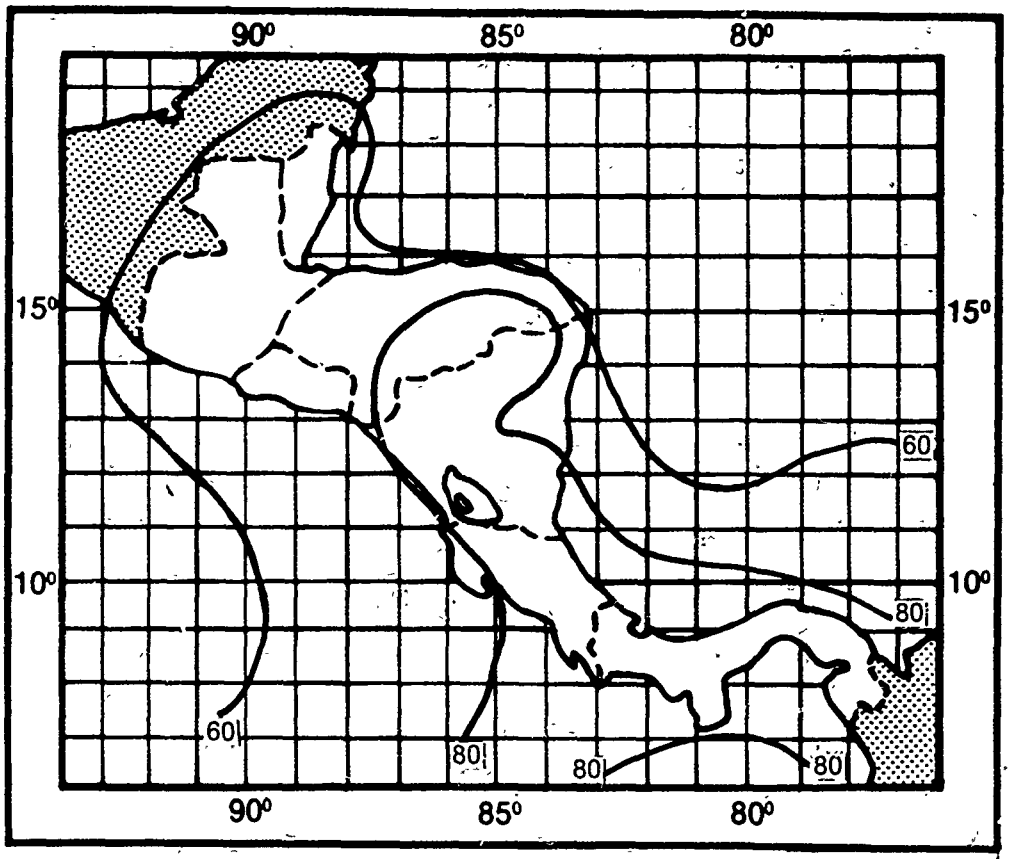

CHART A-34 Percent of Time Total Sky Cover ≥ 6/10, May, 18Z

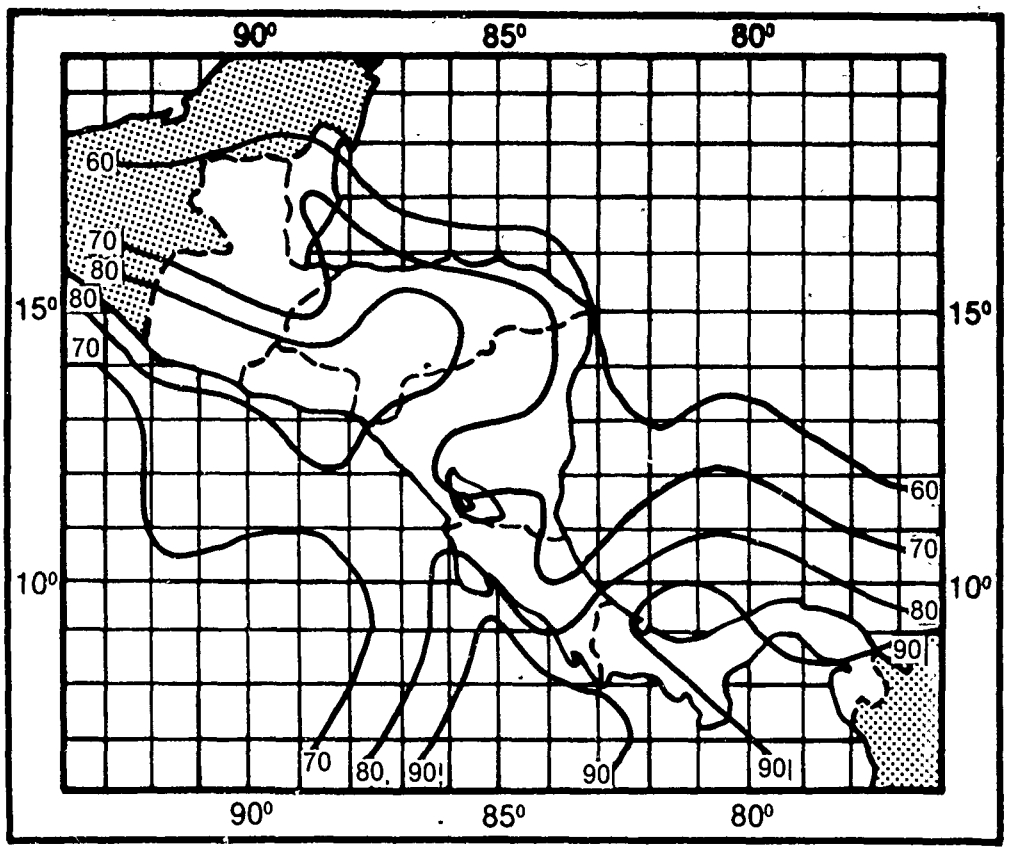

CHART A-35 Percent of Time Total Sky Cover ≥ 6/10, May, 06Z

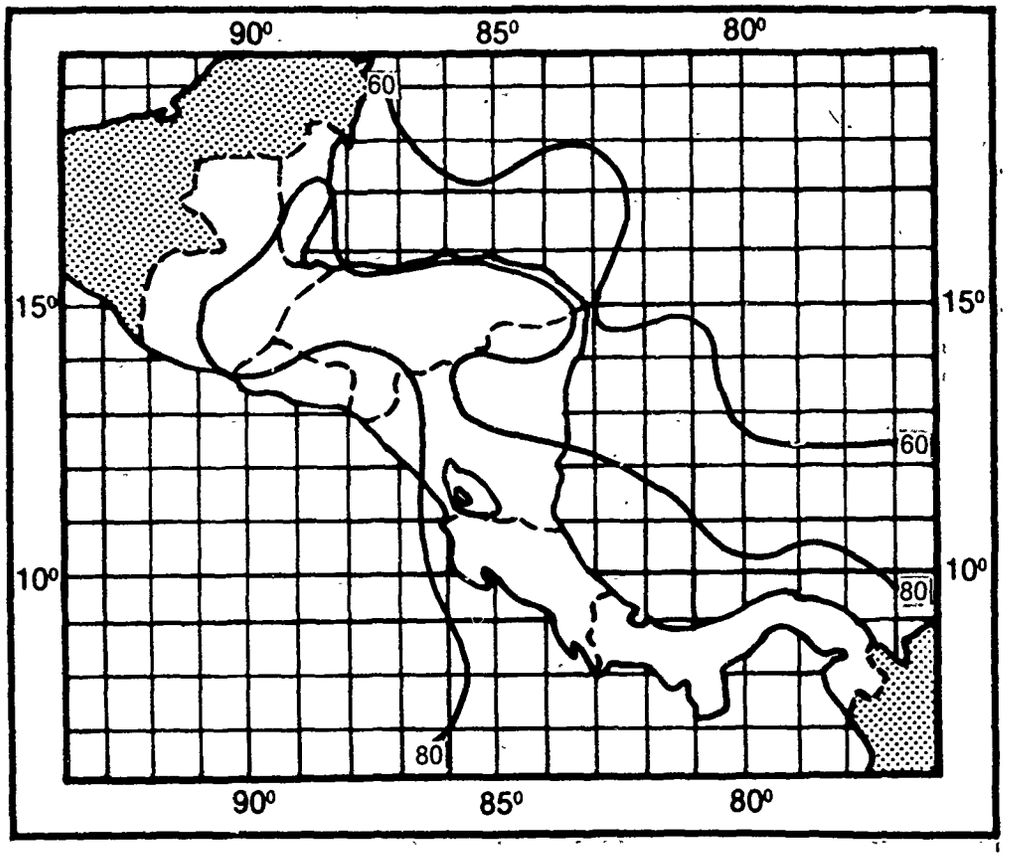

CHART A-36 Percent of Time Total Sky Cover ≥ 6/10, August, 18Z

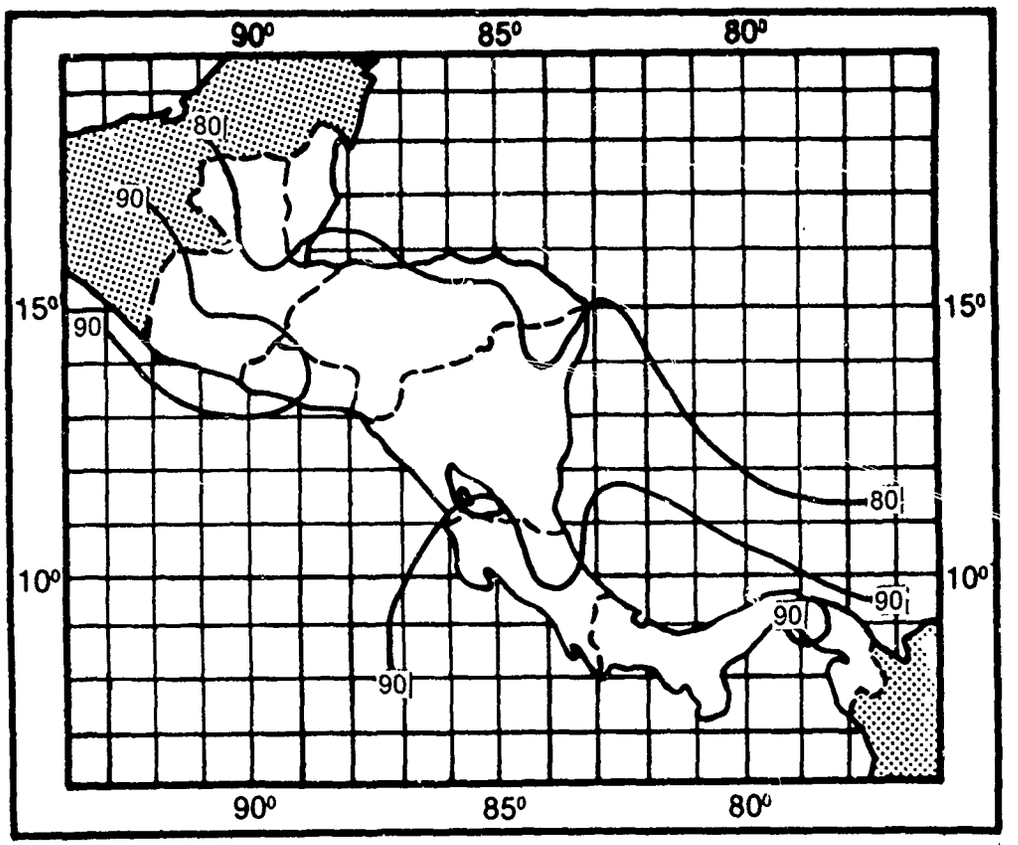

CHART A-37 Percent of Time Total Sky Cover ≥ 6/10, August, 06Z

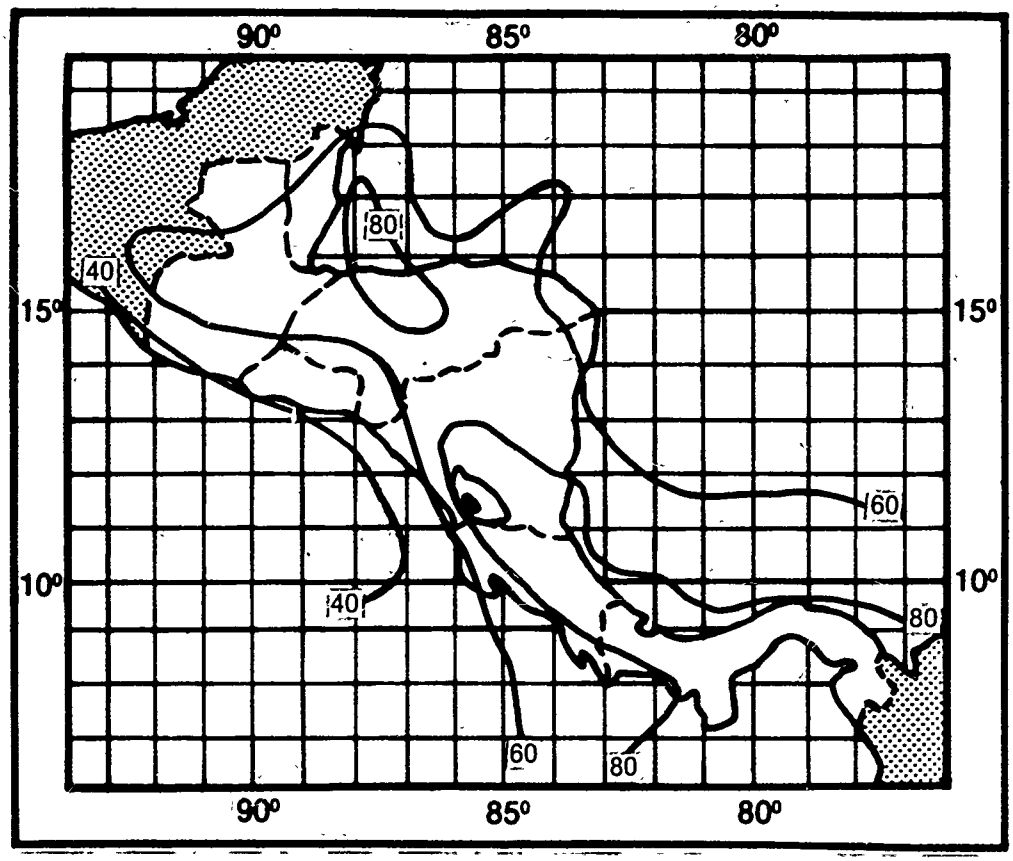

CHART A-38 Percent of Time Total Sky Cover ≥ 6/10, November, 18Z

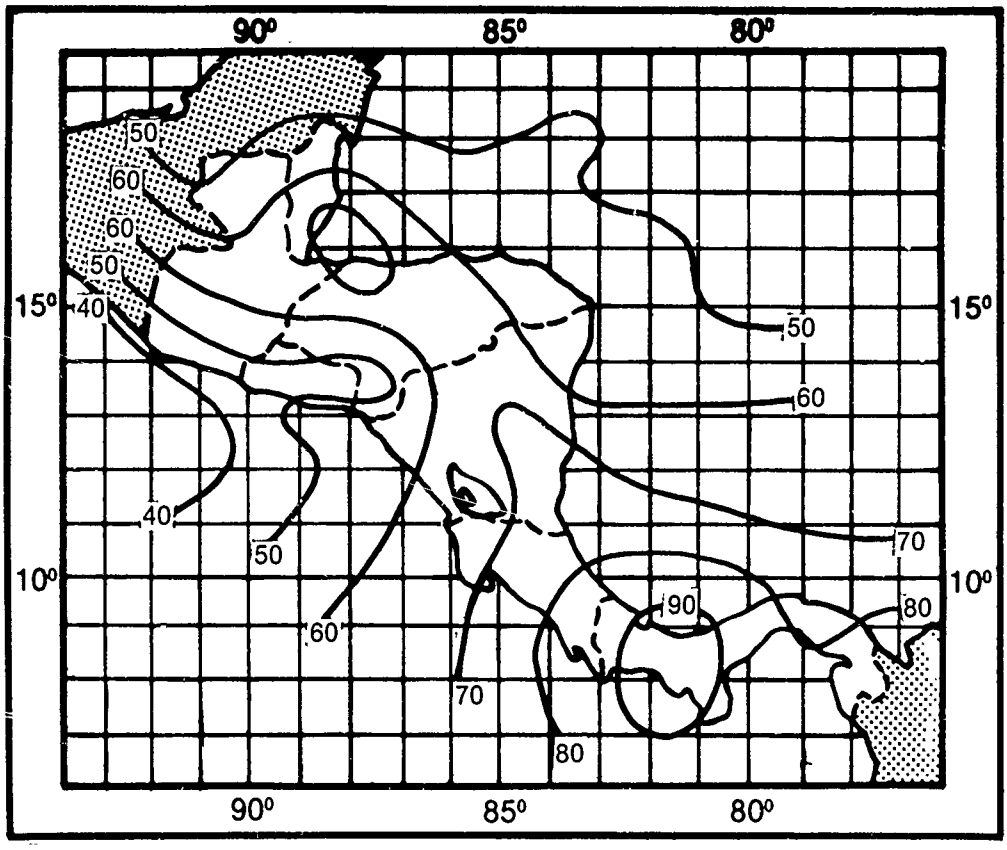

CHART A-39 Percent of Time Total Sky Cover ≥ 6/10, November, 06Z

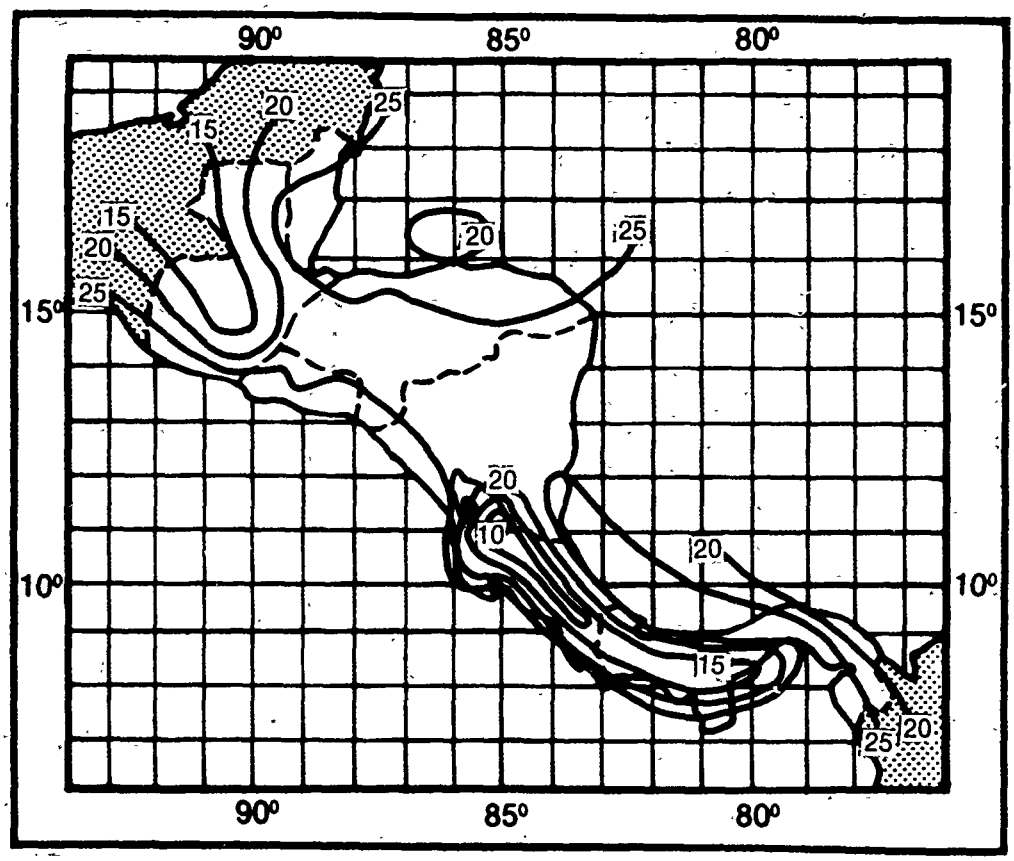

CHART A-40 Number of Days Favorable for Personnel Paradrop Operations, February, 00Z (Ceiling ≥ 1,500 ft, Visibility ≥ 3 miles, Winds ≤ 13 kts)

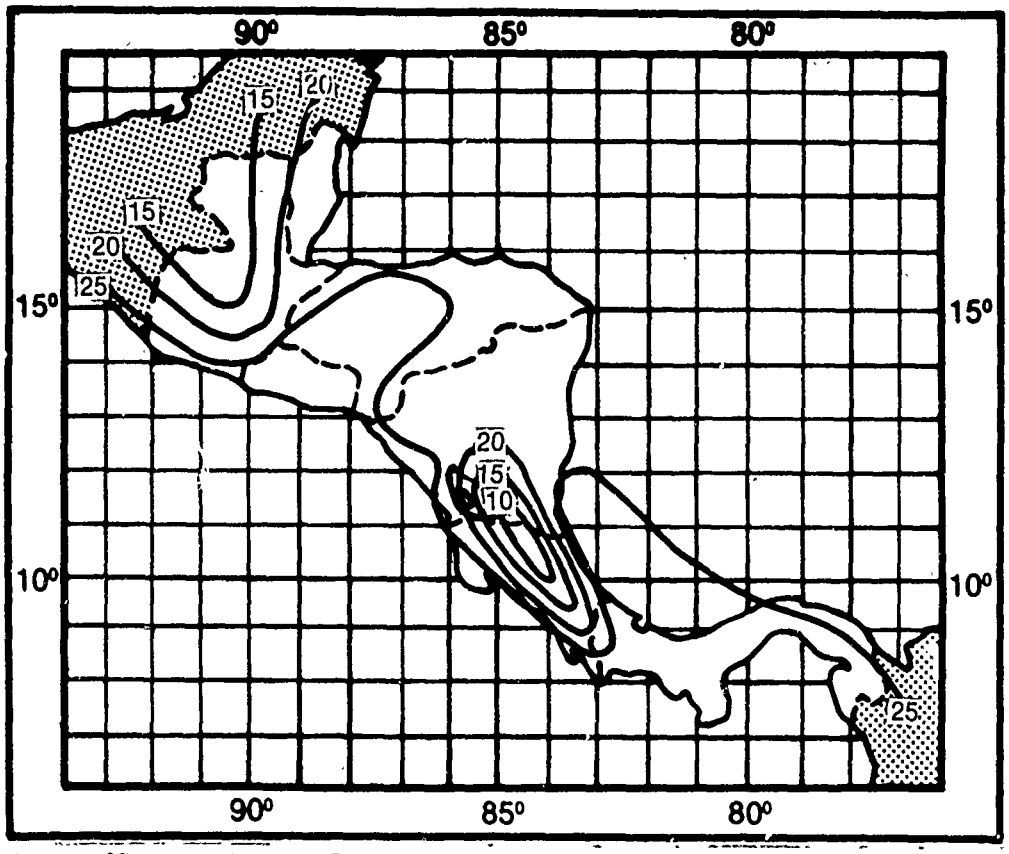

CHART A-41 Number of Days Favorable for Personnel Paradrop Operations, February, 12Z (Ceiling ≥ 1,500 ft, Visibility ≥ 3 miles, Winds ≤ 13 kts)

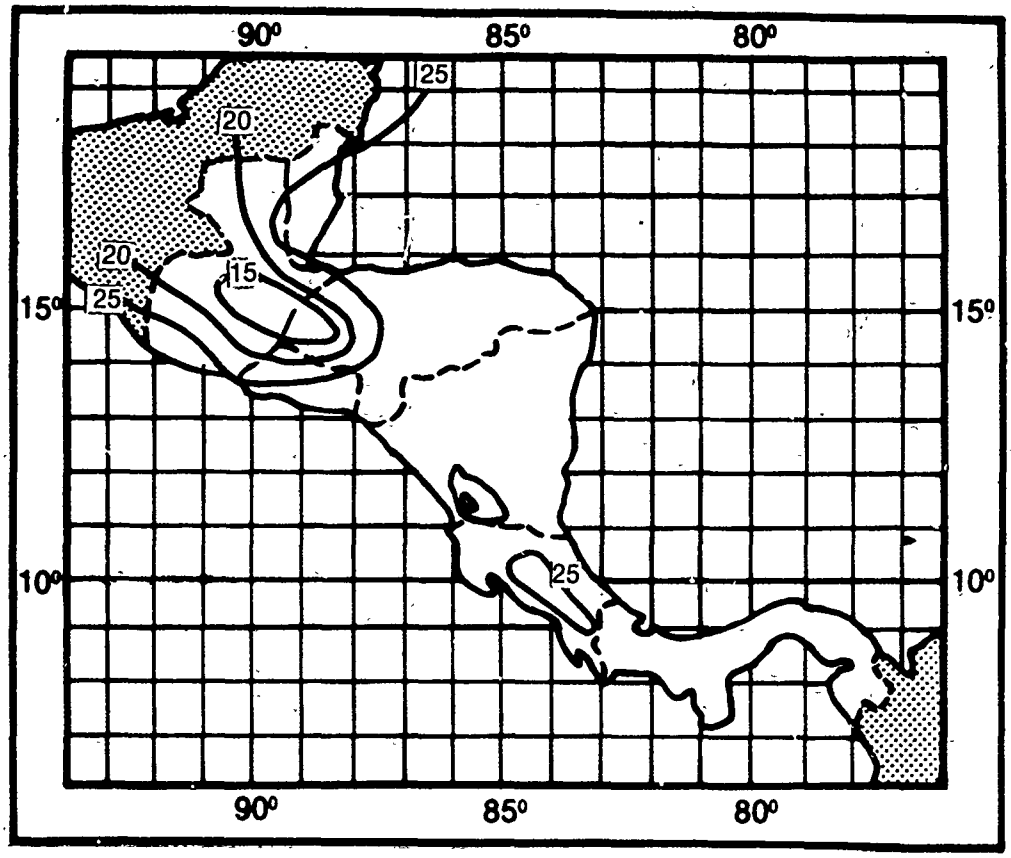

CHART A-42 Number of Days Favorable for Personnel Paradrop Operations, May, 00Z (Ceiling ≥ 1,500 ft, Visibility ≥ 3 miles, Winds ≤ 13 kts)

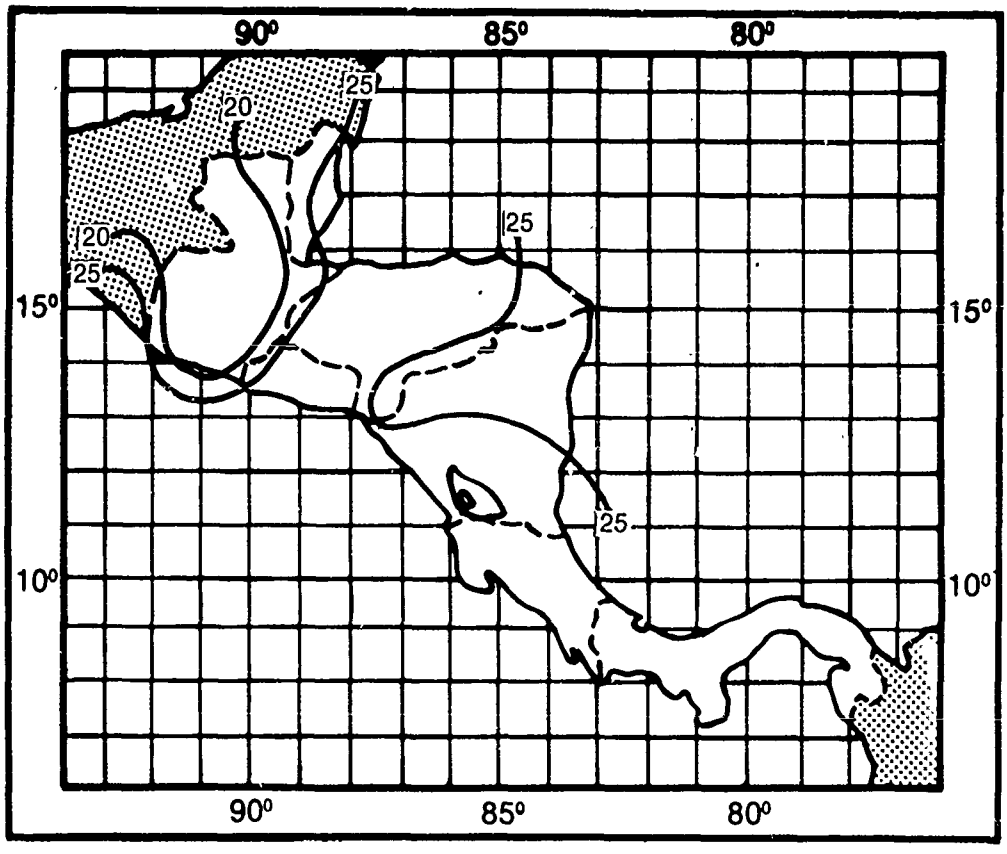

CHART A-43 Number of Days Favorable for Personnel Paradrop Operations, May, 12Z (Ceiling ≥ 1,500 ft, Visibility ≥ 3 miles, Winds ≤ 13 kts)

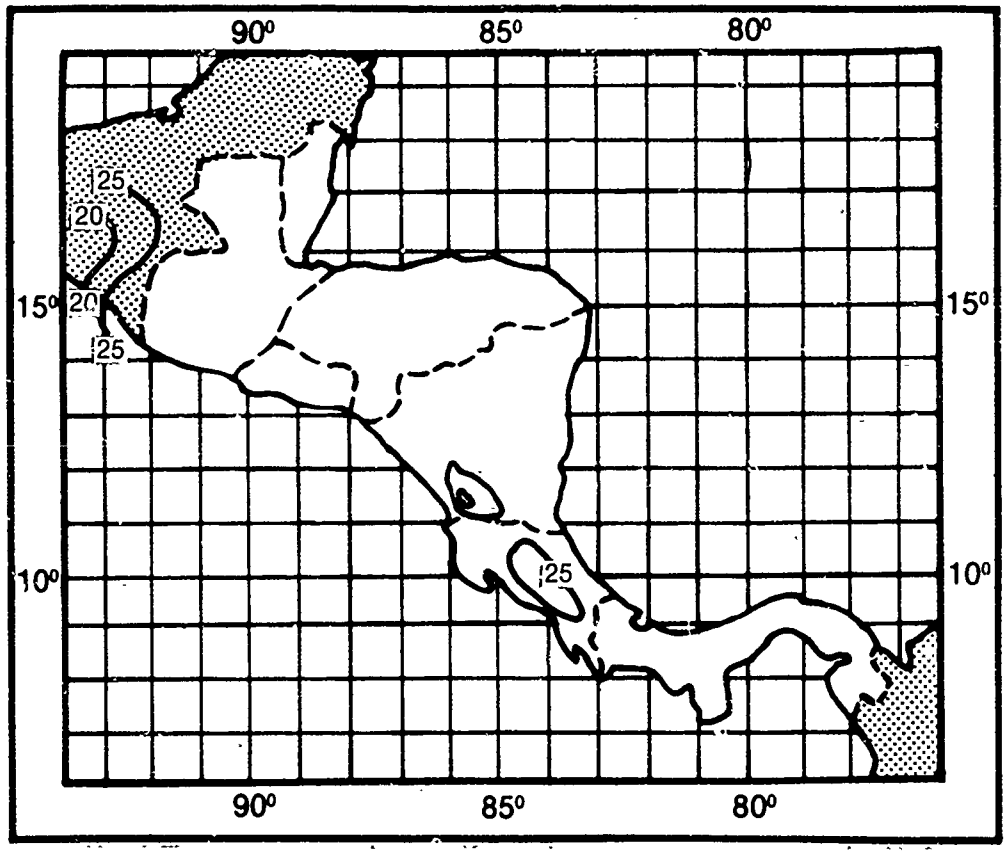

CHART A-44 Number of Days Favorable for Personnel Paradrop Operations, August, 00Z (Ceiling ≥ 1,500 ft, Visibility ≥ 3 miles, Winds ≤ 13 kts)

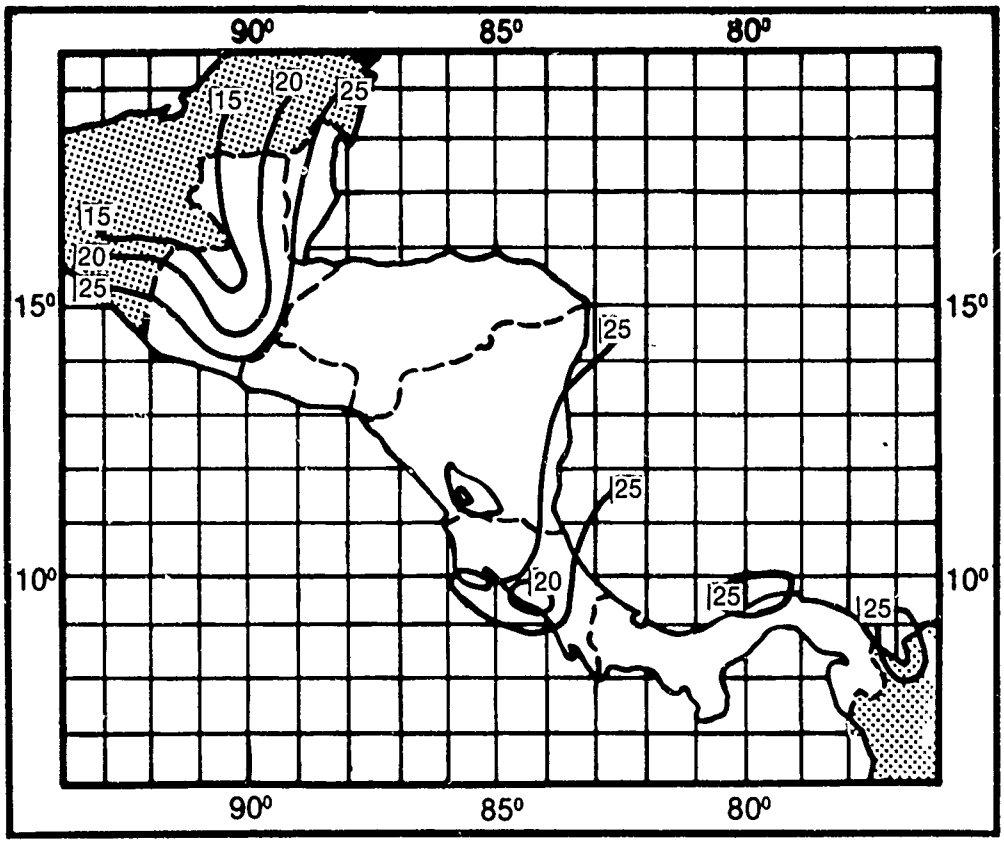

CHART A-45 Number of Days Favorable for Personnel Paradrop Operations, August, 12Z (Ceiling ≥ 1,500 ft, Visibility ≥ 3 miles, Winds ≤ 13 kts)

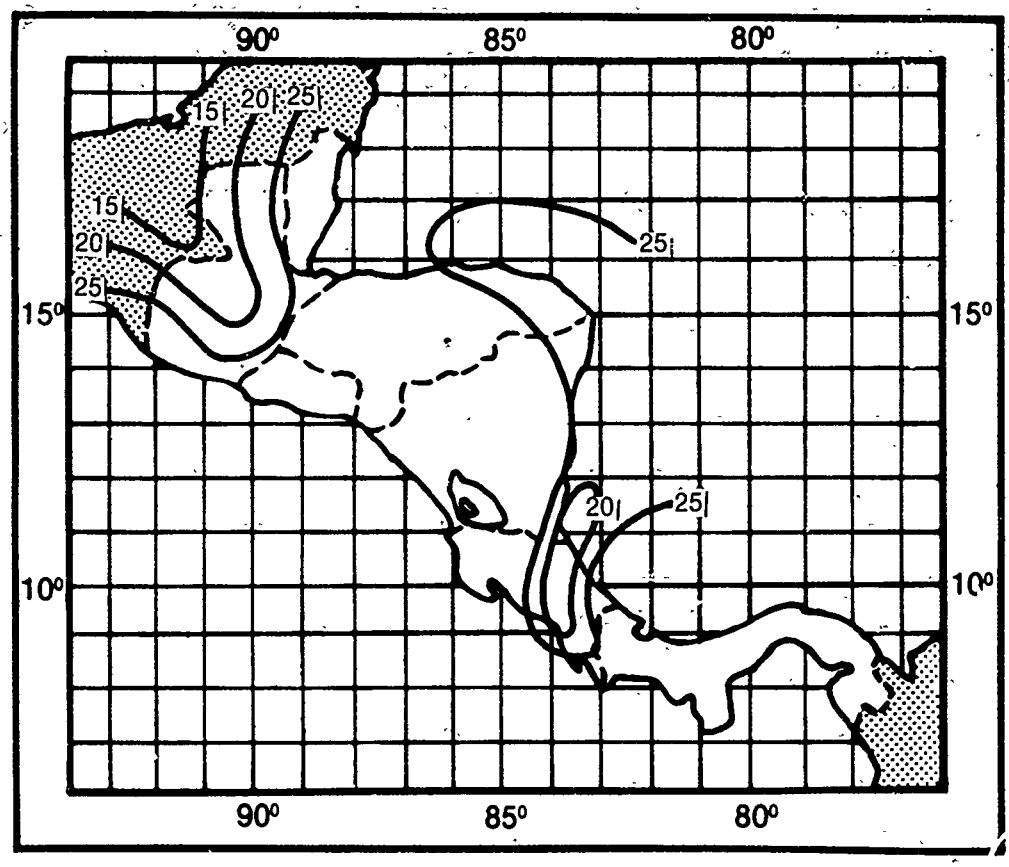

CHART A-46 Number of Days Favorable for Personnel Paradrop Operations, November, 00Z (Ceiling ≥ 1,500 ft, Visibility ≥ 3 miles, Winds ≤ 13 kts)

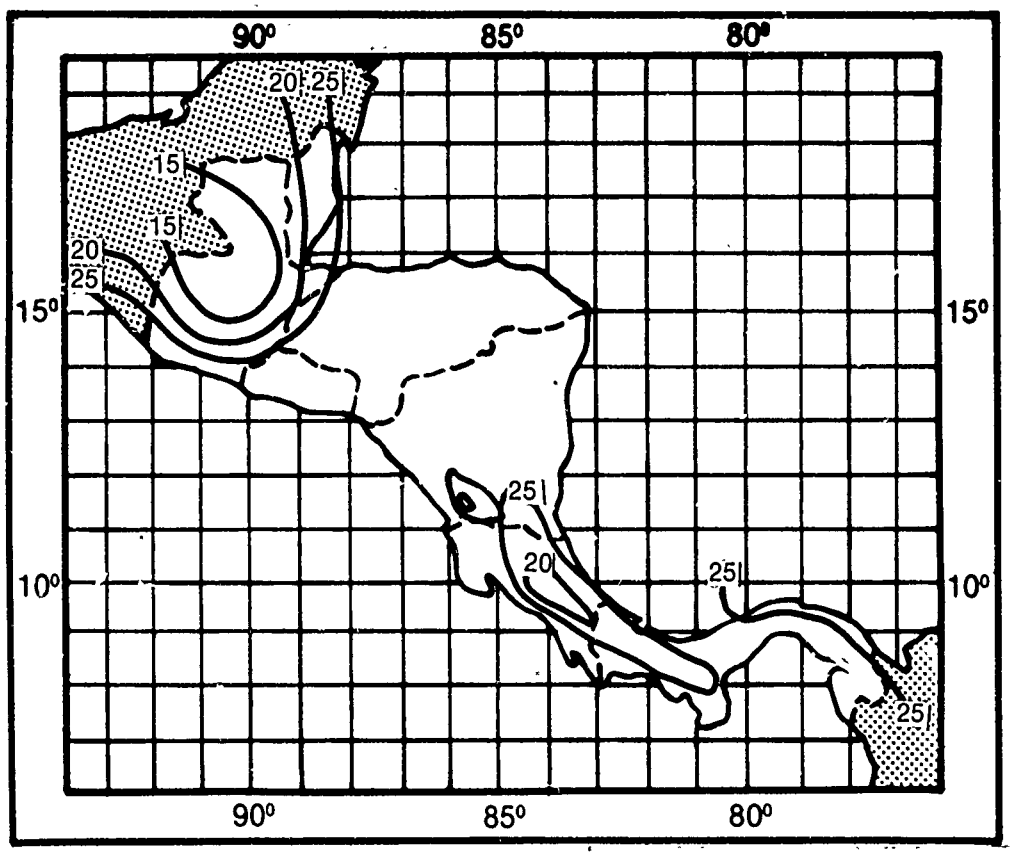

CHART A-47 Number of Days Favorable for Personnel Paradrop Operations, November, 12Z (Ceiling ≥ 1,500 ft, Visibility ≥ 3 miles, Winds ≤ 13 kts)

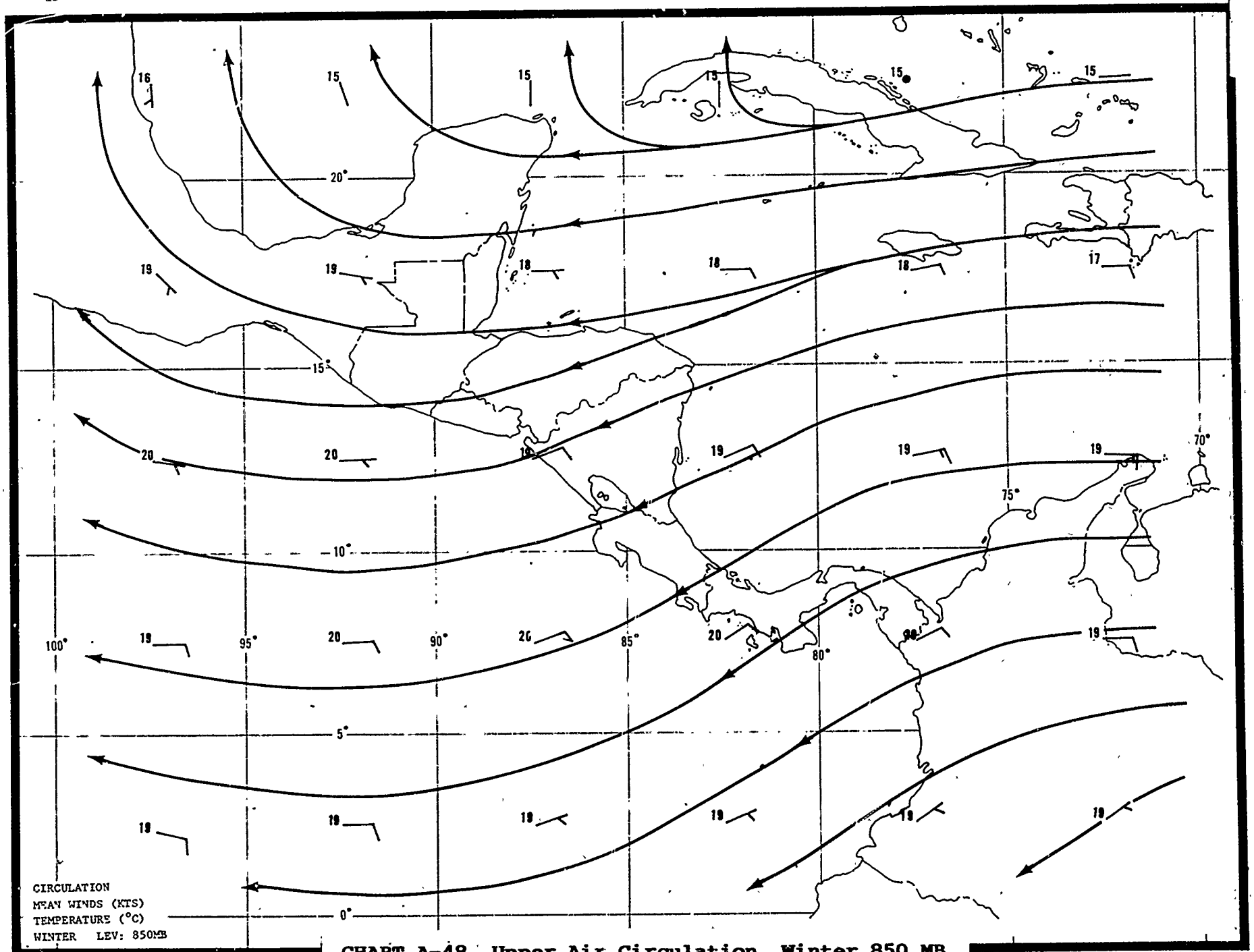

CHART A-48 Upper Air Circulation, Winter 850 MB

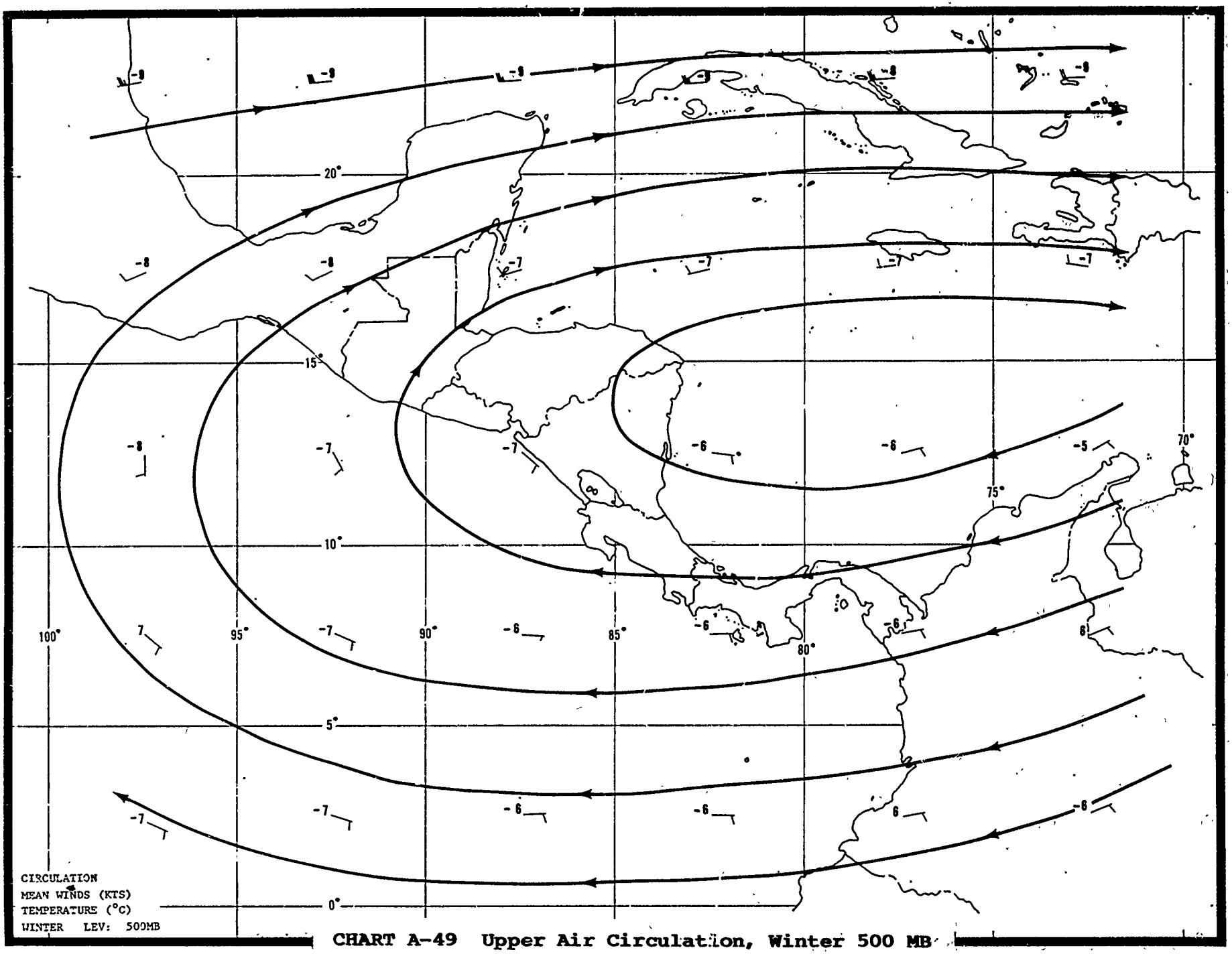

CHART A-49 Upper Air Circulation, Winter 500 MB

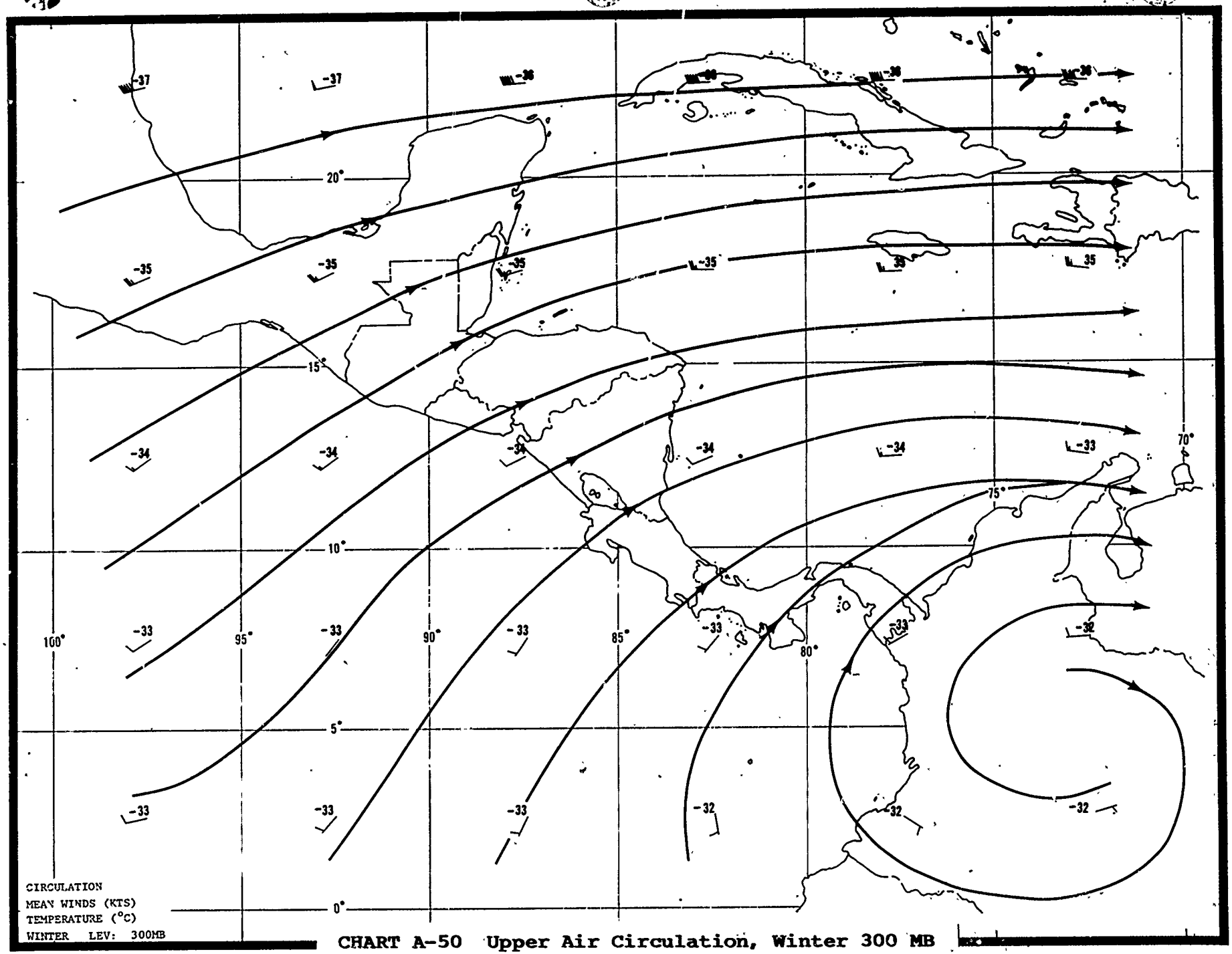

CHART A-50 Upper Air Circulation, Winter 300 MB

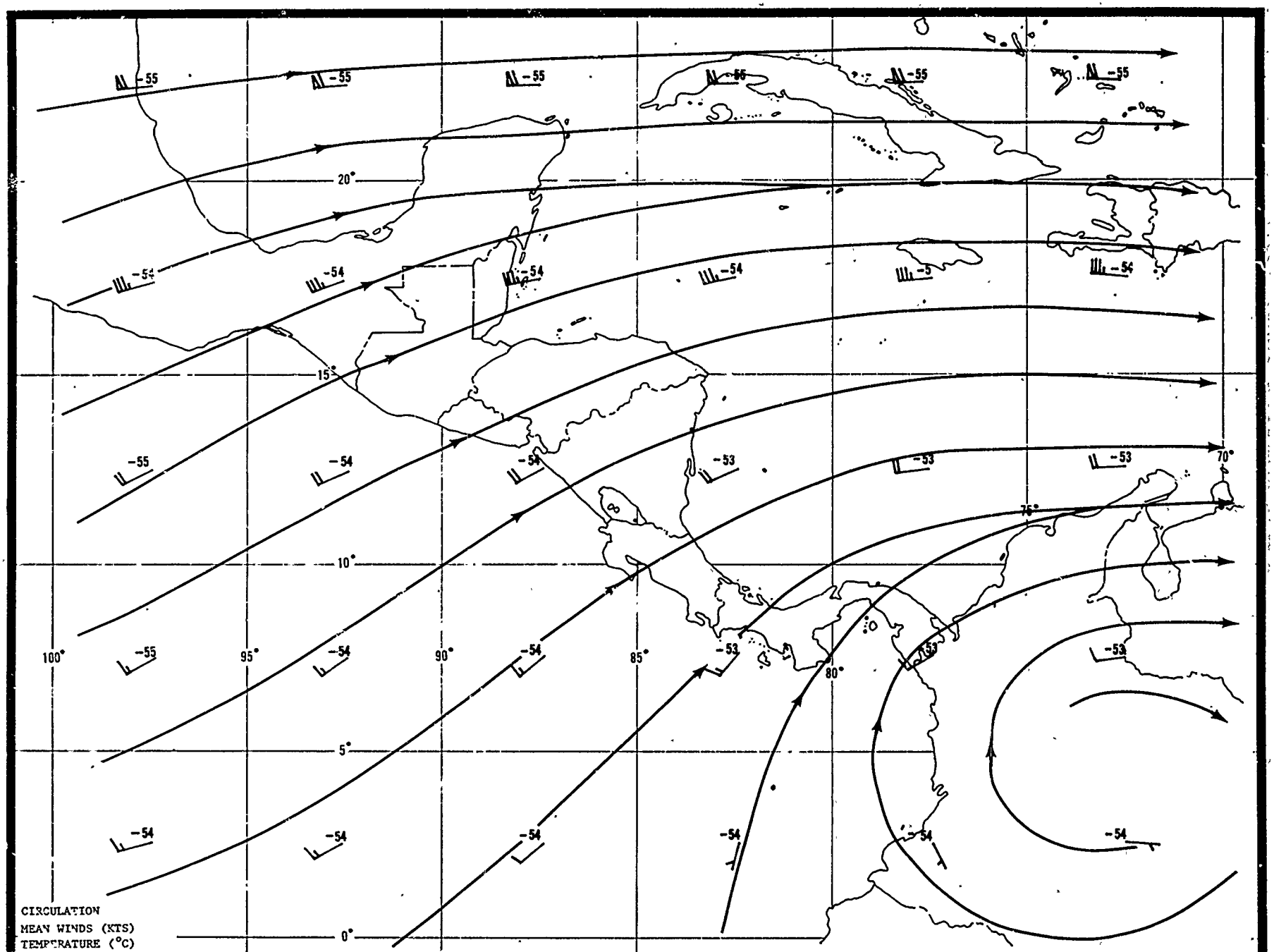

CHART A-51 Upper Air Circulation, Winter 200 MB

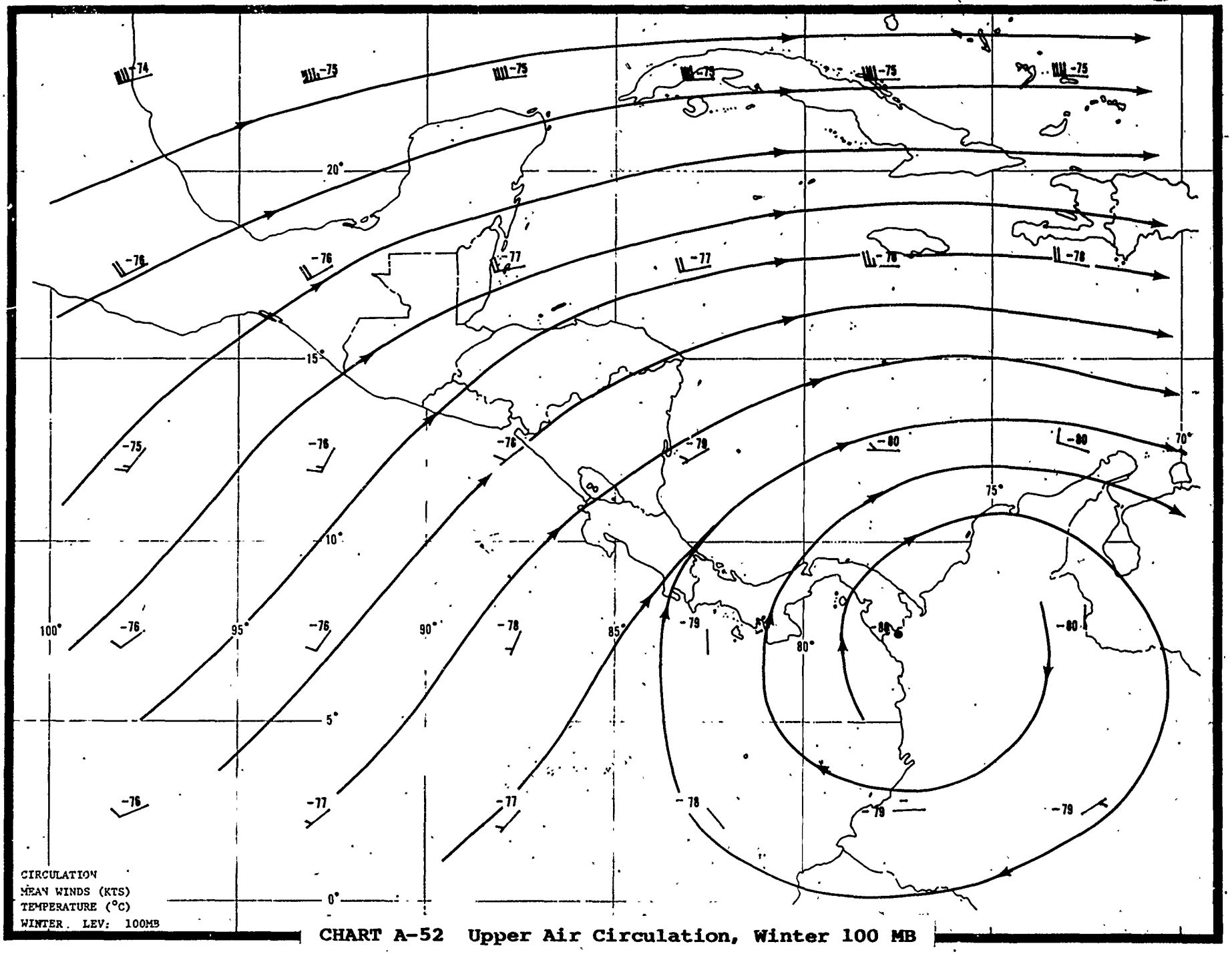

CHART A-52 Upper Air Circulation, Winter 100 MB

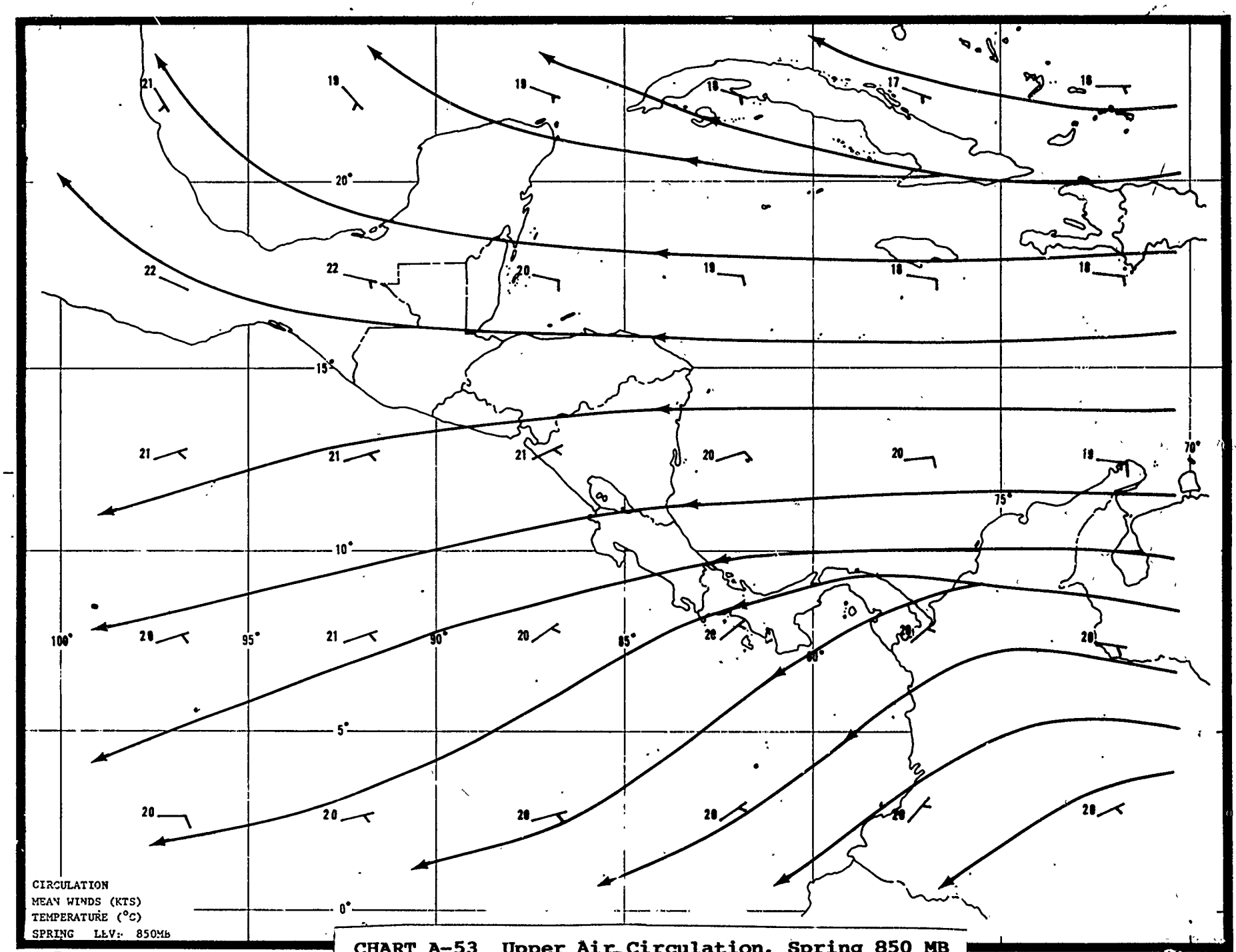

CHART A-53 Upper Air Circulation, Spring 850 MB

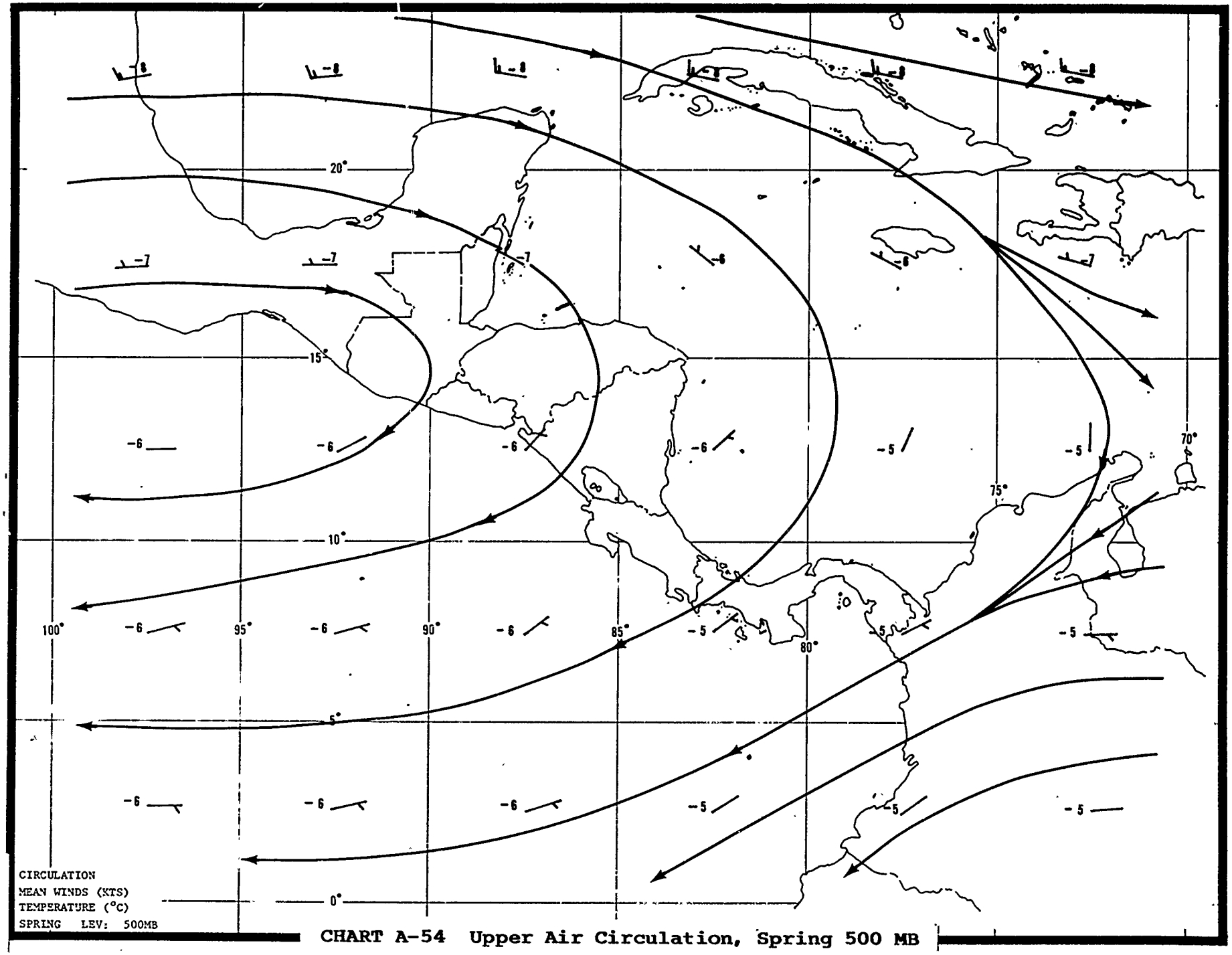

CHART A-54 Upper Air Circulation, Spring 500 MB

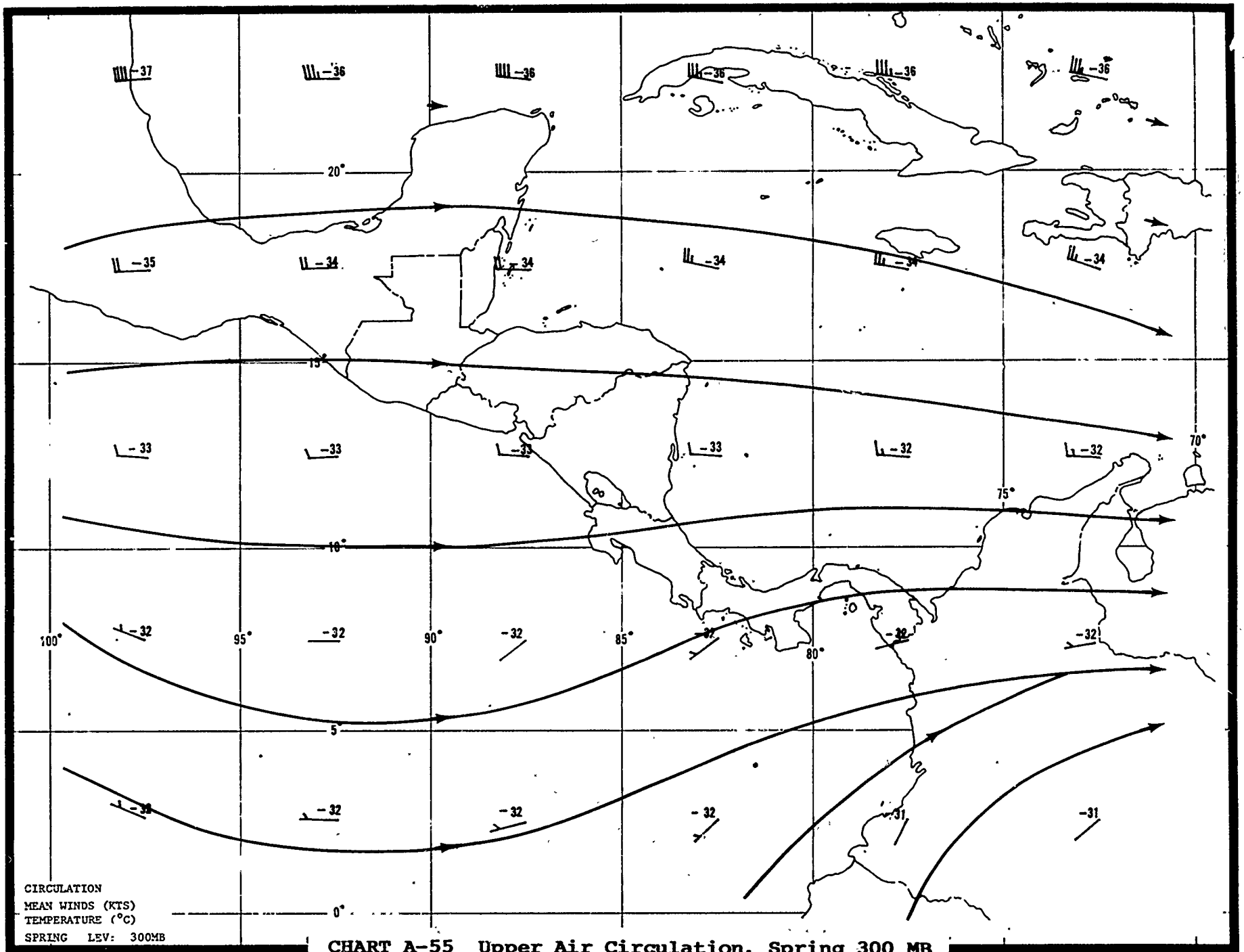

CHART A-55 Upper Air Circulation, Spring 300 MB

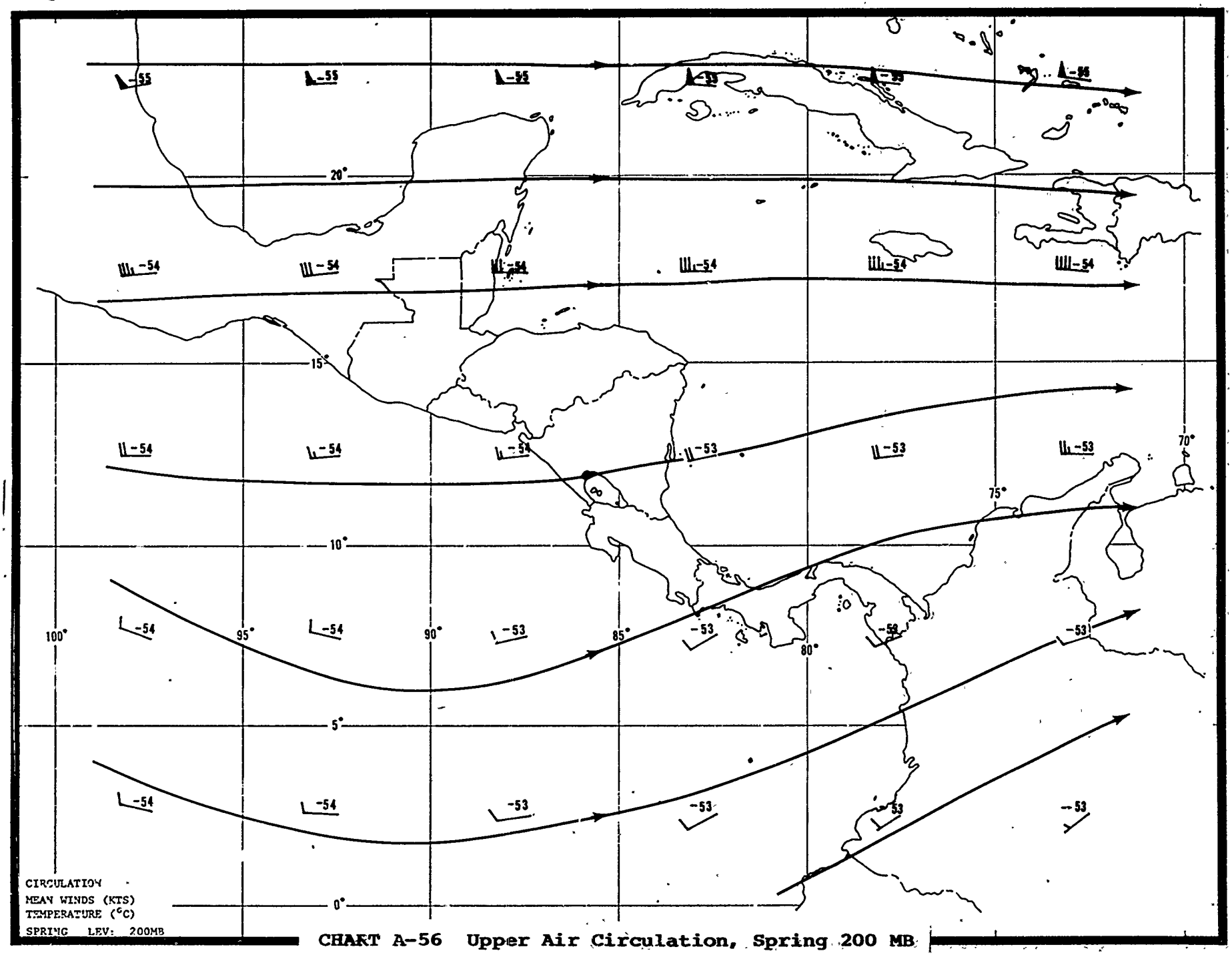

CHART A-56 Upper Air Circulation, Spring 200 MB

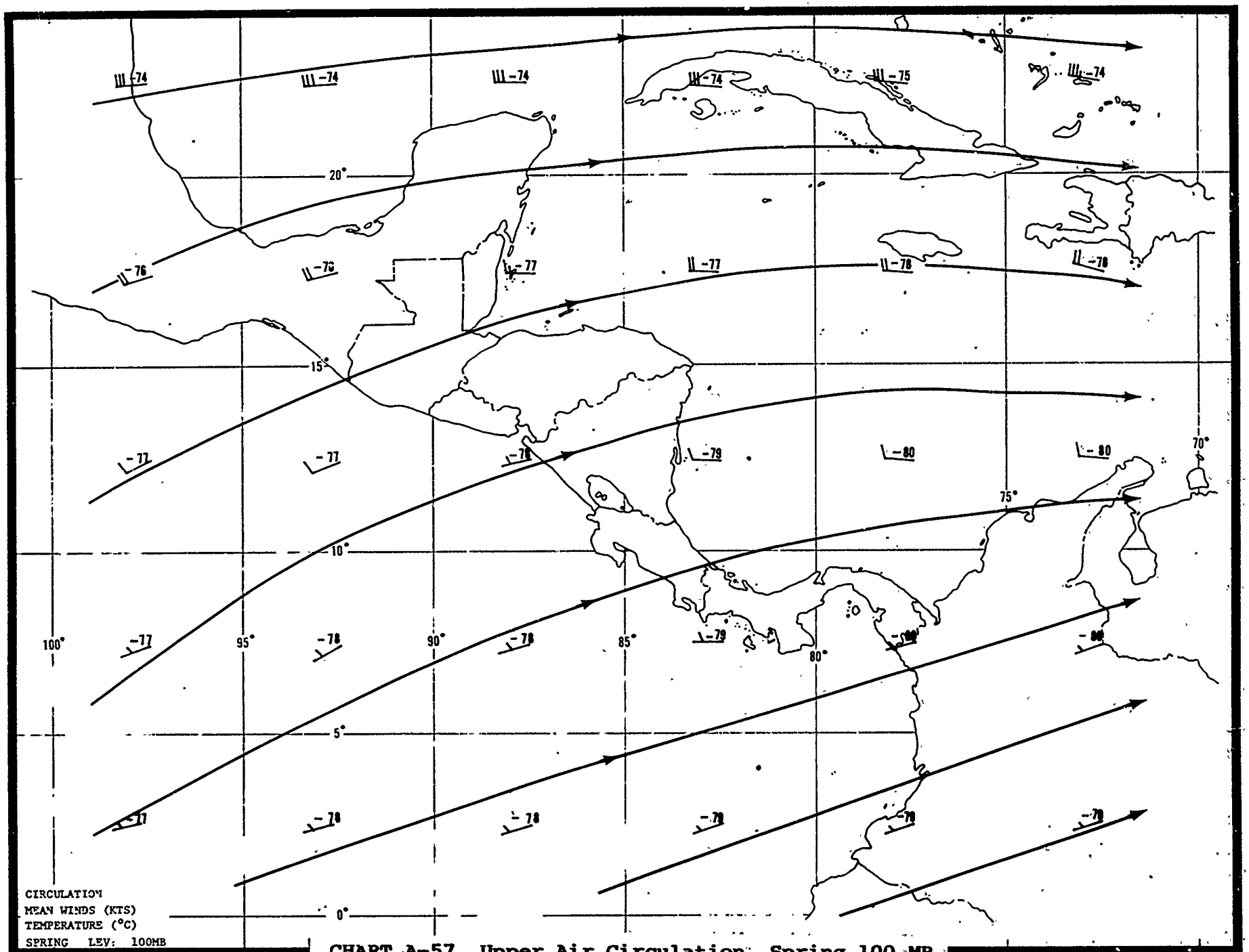

CHART A-57 Upper Air Circulation, Spring 100 MB

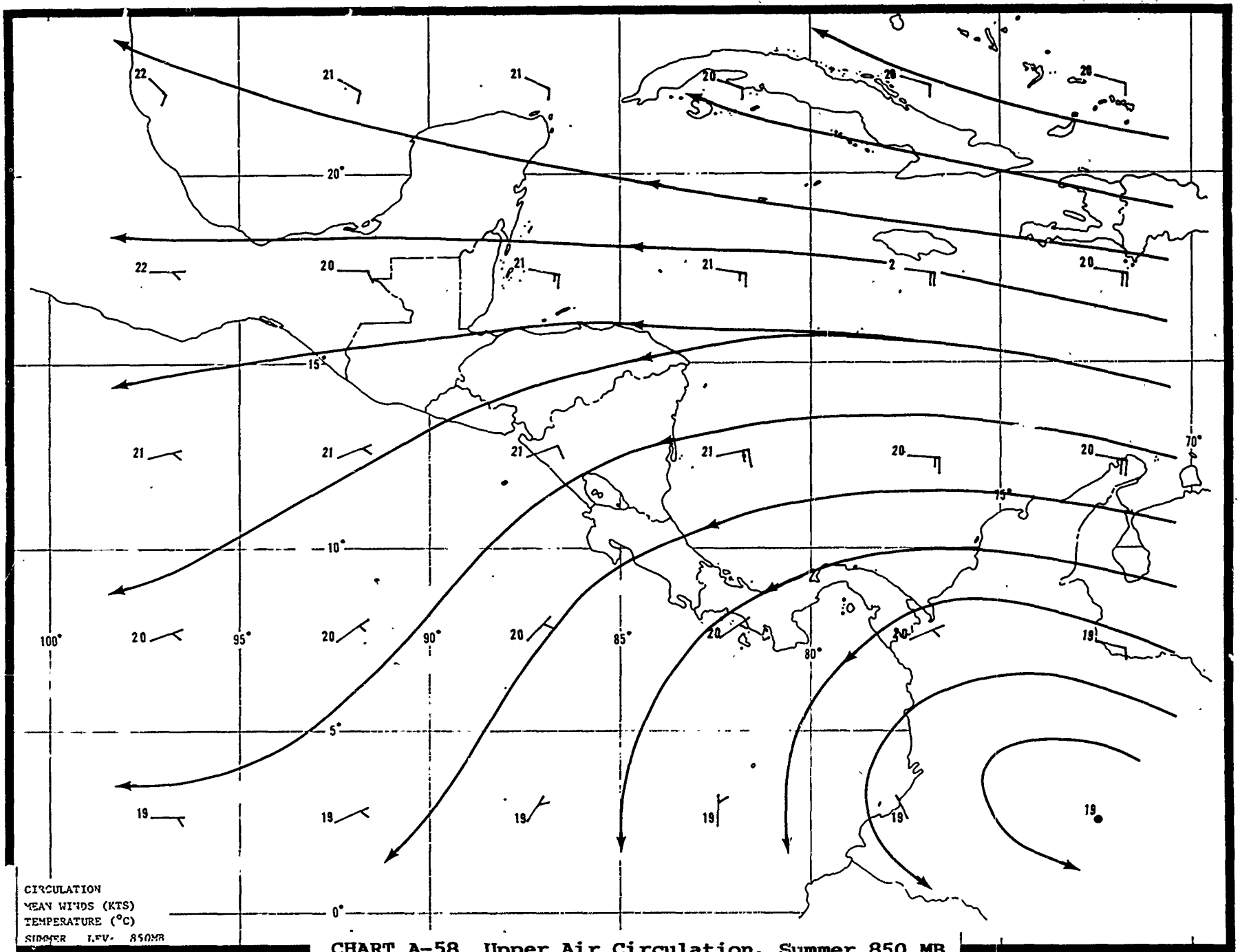

CHART A-58 Upper Air Circulation, Summer 850 MB

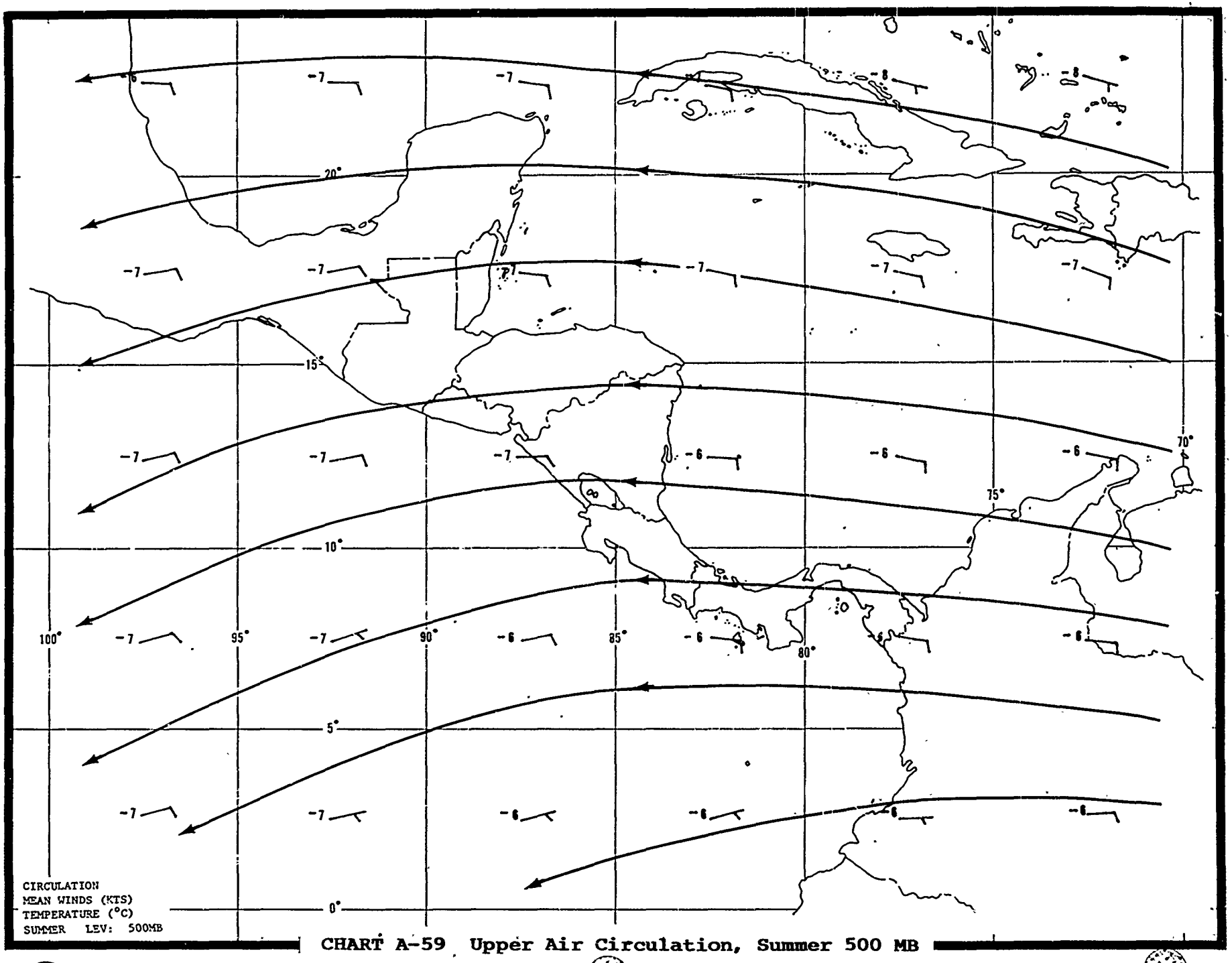

CHART A-59 Upper Air Circulation, Summer 500 MB

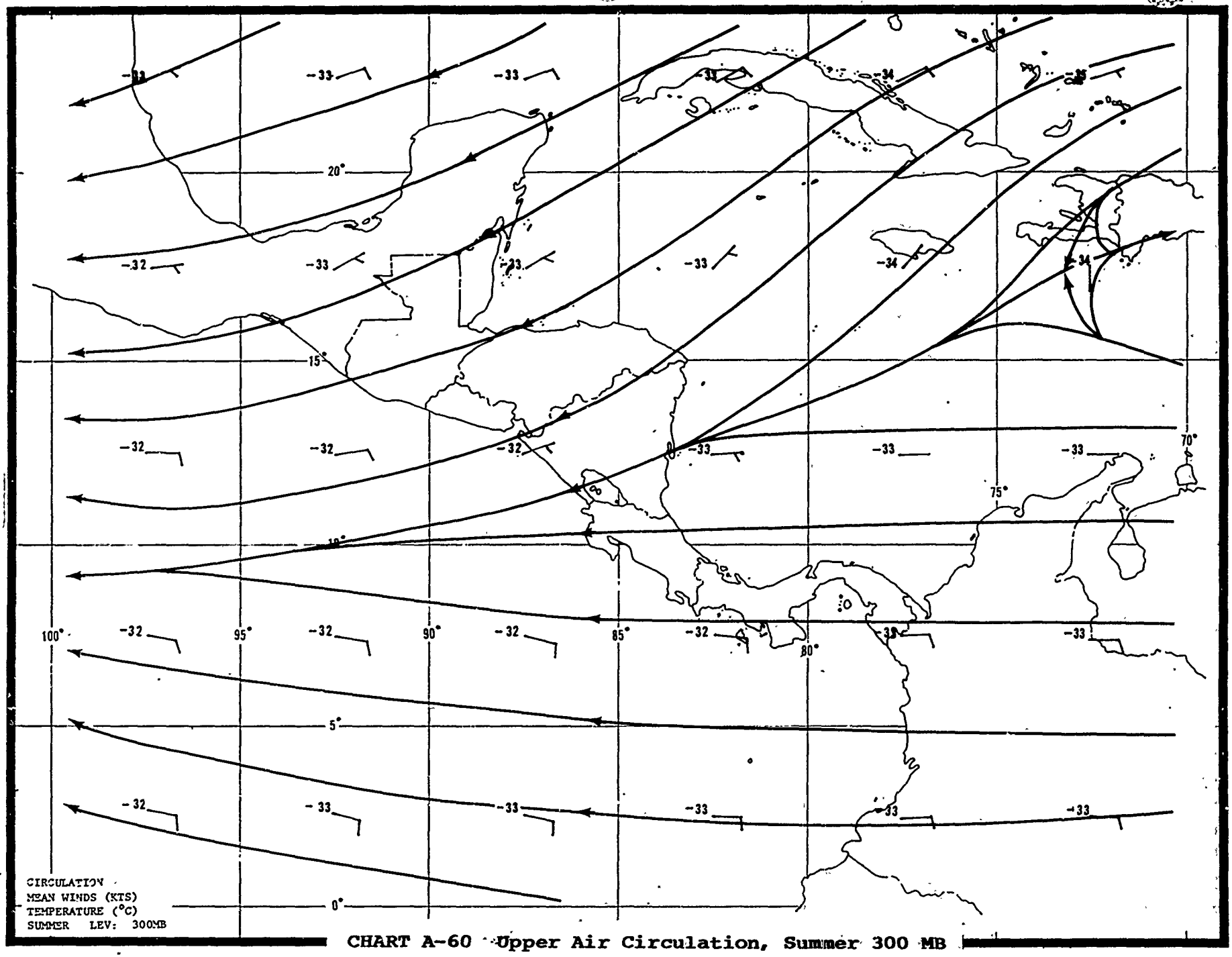

CHART A-60 Upper Air Circulation, Summer 300 MB

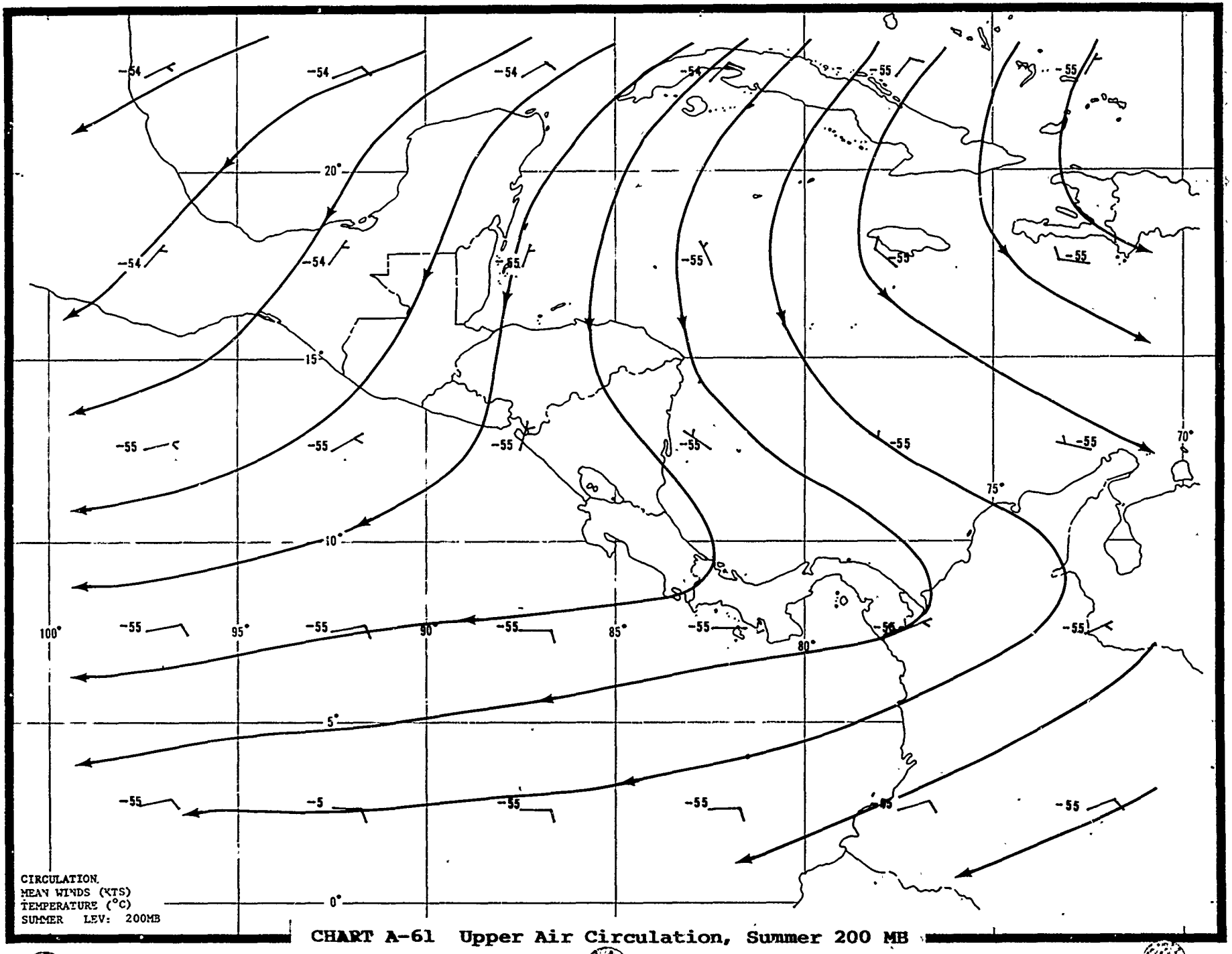

CHART A-61 Upper Air Circulation, Summer 200 MB

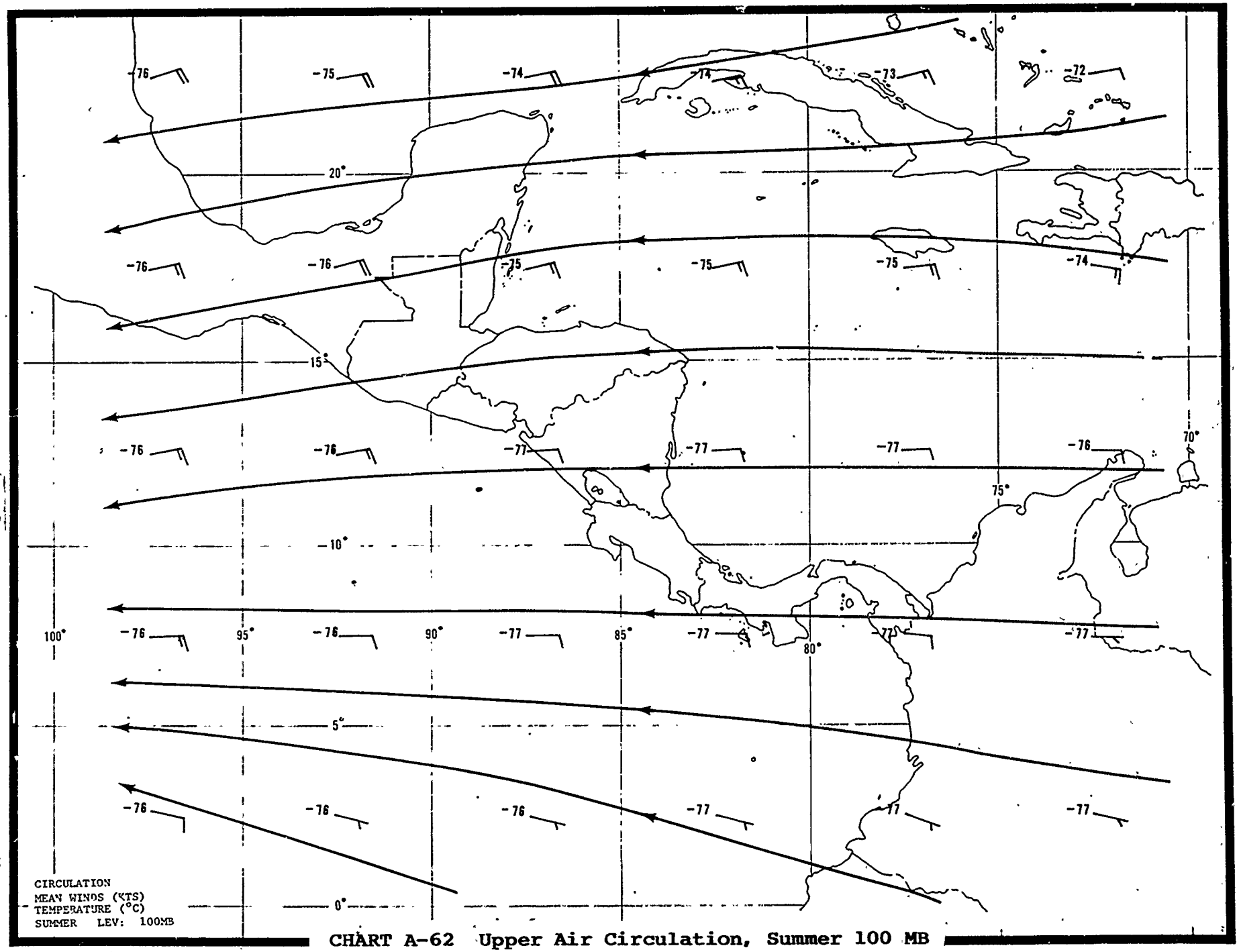

CHART A-62 Upper Air Circulation, Summer 100 MB

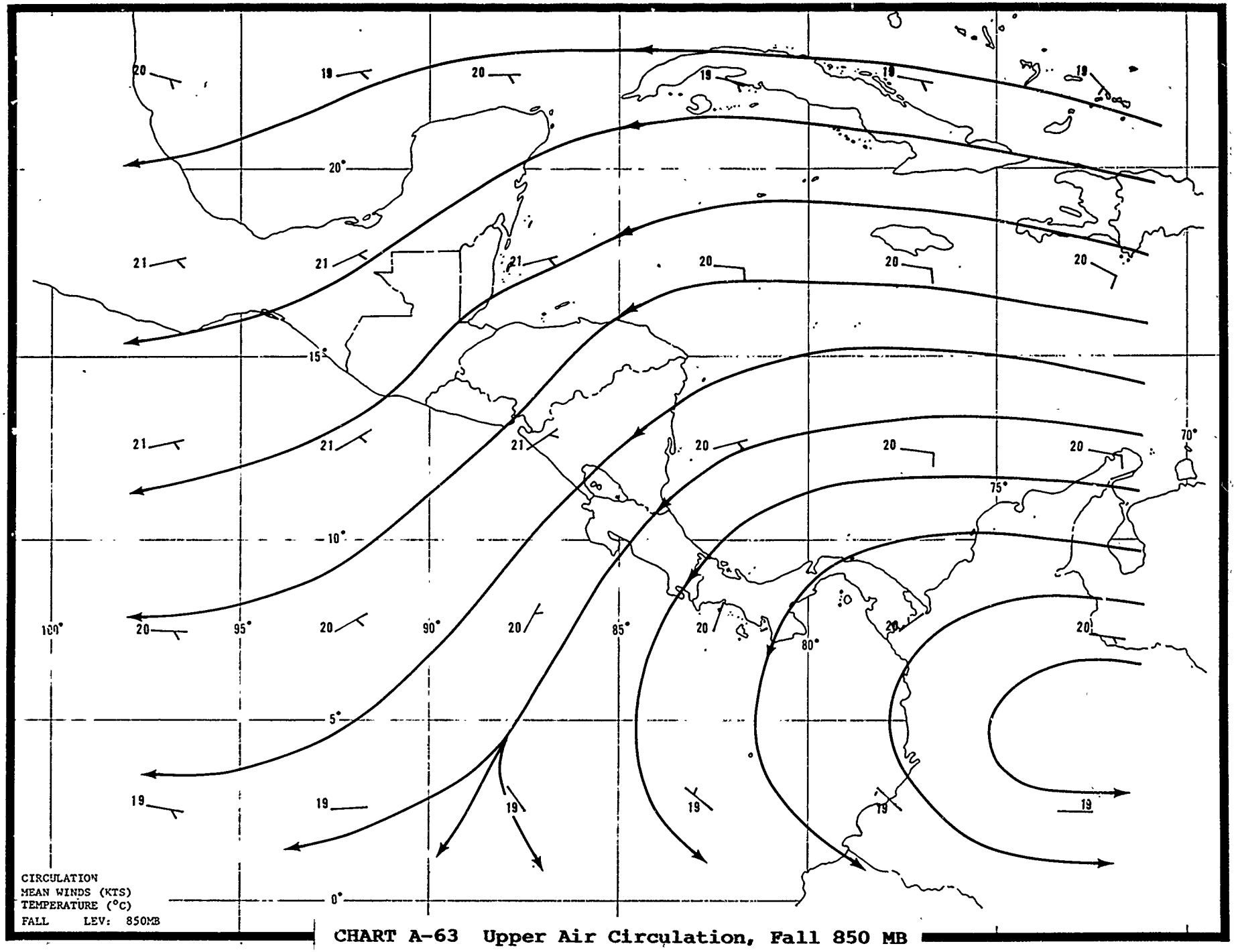

CHART A-63 Upper Air Circulation, Fall 850 MB

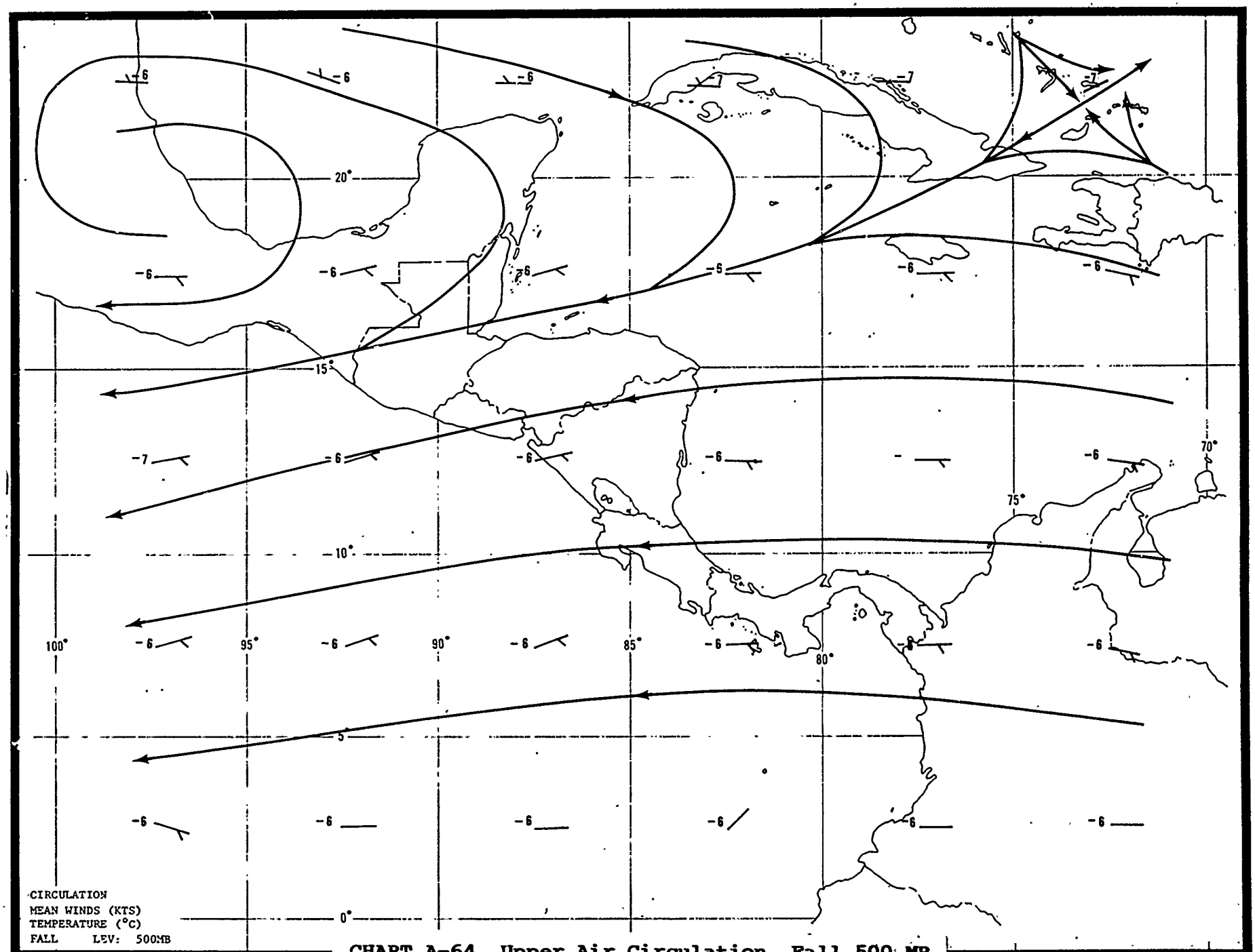

CHART A-64 Upper Air Circulation, Fall 500 MB

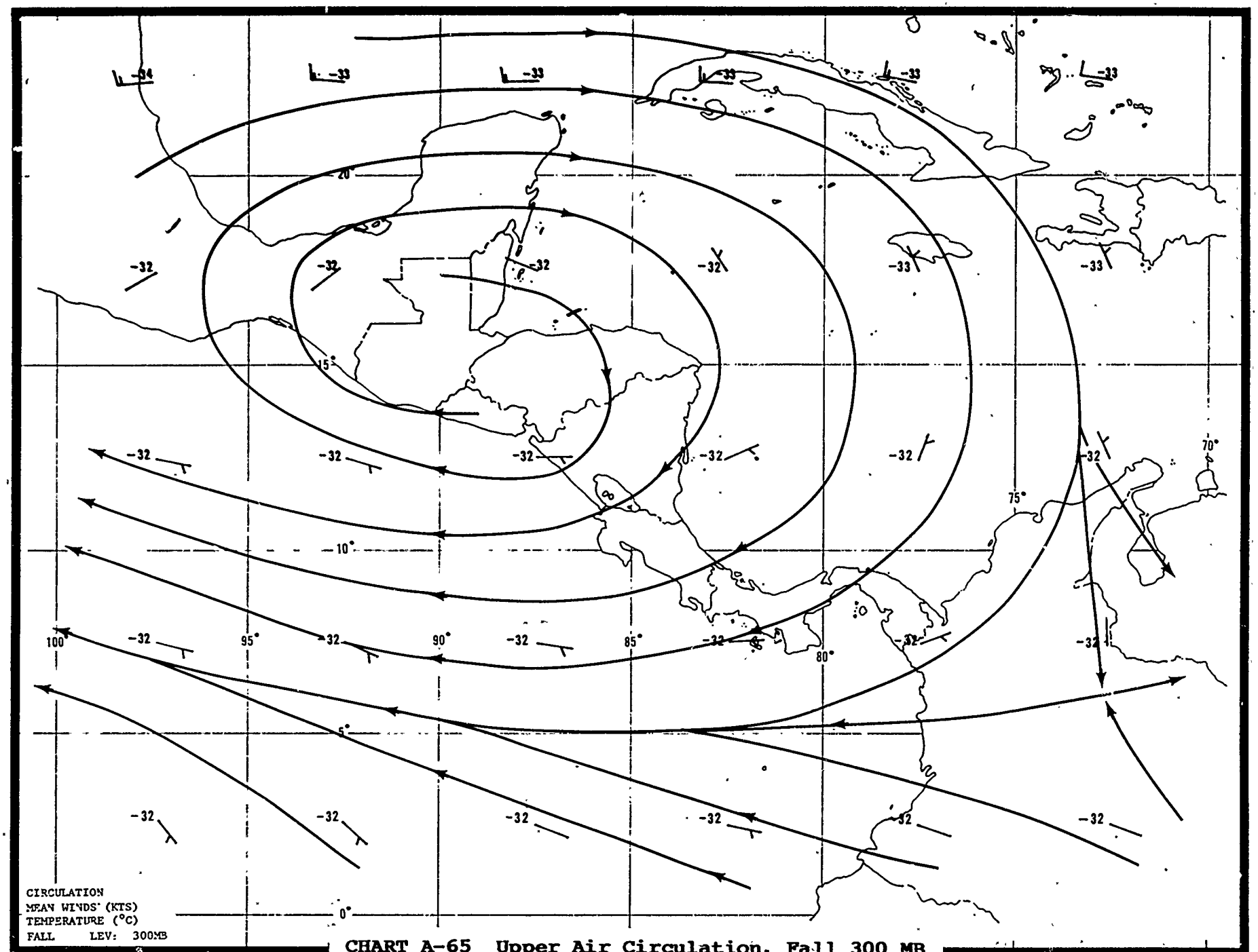

CHART A-65 Upper Air Circulation, Fall 300 MB

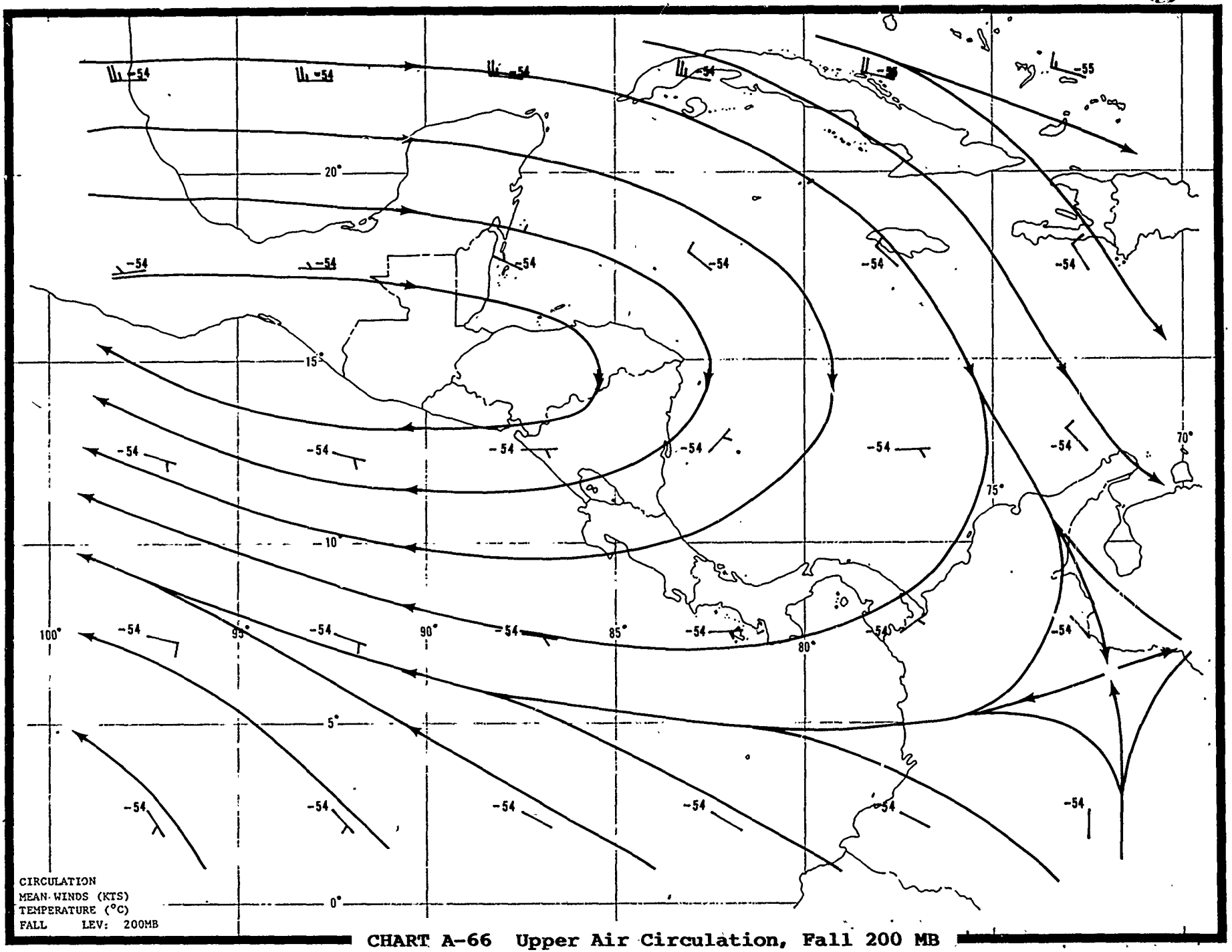

CHART A-66 Upper Air Circulation, Fall 200 MB

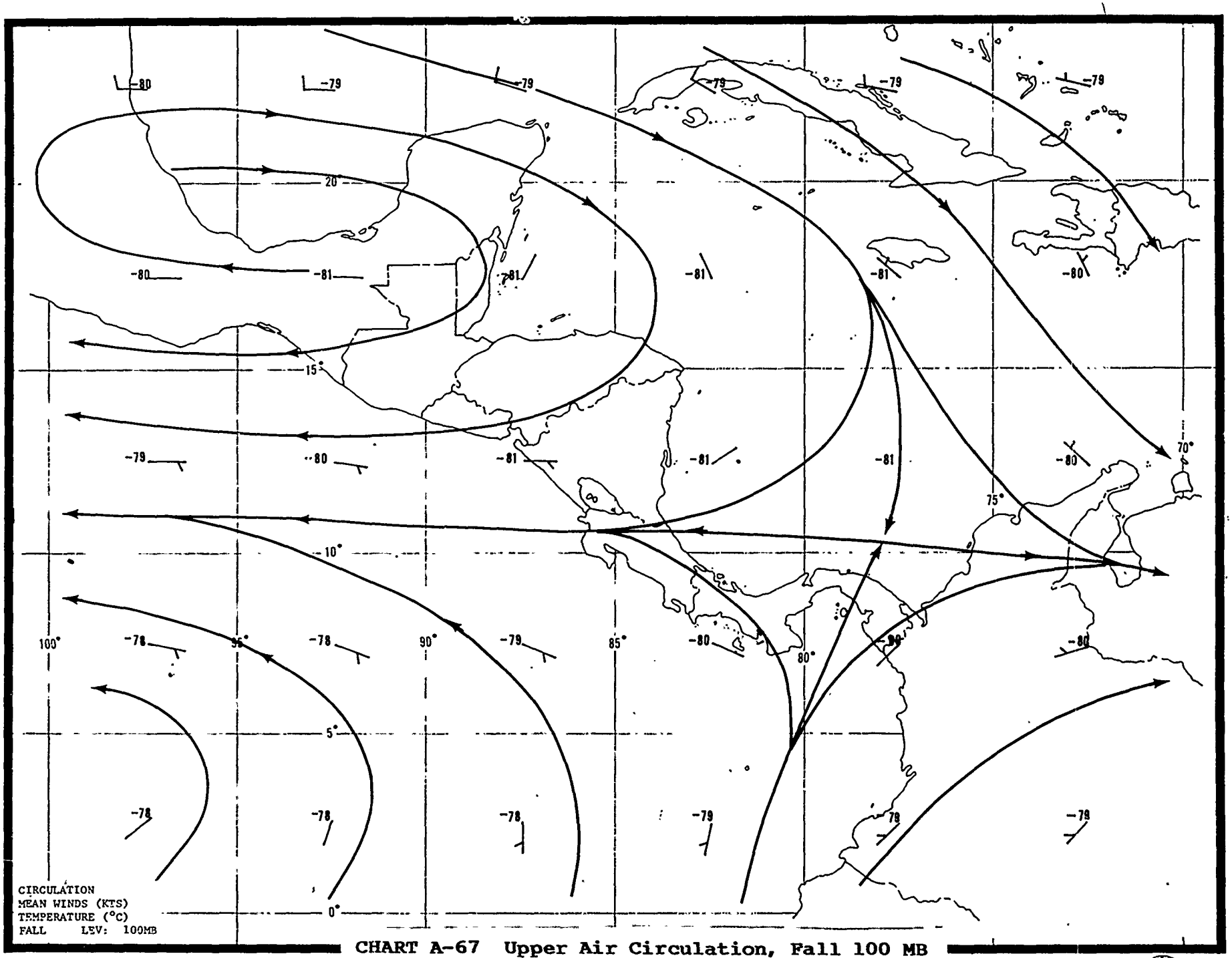

CHART A-67 Upper Air Circulation, Fall 100 MB

APPENDIX B

Expanded Data Tables

This appendix contains expanded data tables for a number of climatic variables. Most (but not all) tables contain data for all 12 months, and for the hours of 00Z, 06Z, 12Z, and 18Z. Country names are abbreviated as follows:

BZ	Belize
CS	Costa Rica
ES	El Salvador
GU	Guatemala
HO	Honduras
NK	Nicaragua
PM	Panama

In assembling these tables, station-to-station and year-to-year data availability ranged from poor to excellent. Hourly surface observations, when available, were taken from the USAF Environmental Technical Applications Center (USAFETAC) DATSAV data base, period of record 1973 to 1981. Total sky cover data were obtained from the 3DNEPH data base, period of record 1977 to 1979. Summary-of-the-day data (24-hour precipitation, extreme temperature, etc.) were obtained from numerous sources, including other published data, foreign annuals and bulletins, satellite photographs, and raw data. Periods of record varied with the sources.

Satellite photographs used were from USAF, Defense Meteorological Satellite Program (DMSP) film transparencies archived for NOAA/EDIS by the University of Colorado, and the CIRES/National Snow and Ice Data Center.

All Data were quality-controlled by manual or automated procedures. They were then summarized for presentation in a form useable by analysts. If any data were judged to be inaccurate or nonrepresentative because of raw data scarcity, observing peculiarities, or other shortcomings, they were subjectively altered, normalized, or deleted before inclusion in the final product. Those decisions were made by experienced meteorologists who tried to produce the best, most comprehensive data tables possible from the resources available to them.

TABLE B-1 Mean Monthly Precipitation

		LAT	LON	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
AUGUSTINE PINE 10	BZ	17.98	88.72	4.40	1.89	2.26	2.06	2.80	7.78	5.06	6.31	10.89	9.98	7.84	3.14	64.41
BELIZE	BZ	17.50	88.18	5.34	2.49	1.51	2.02	4.13	8.09	6.43	6.60	9.24	12.10	8.22	7.30	73.47
CENTRAL FARM	BZ	16.43	88.83	5.28	1.67	2.18	1.91	2.42	9.74	10.06	7.34	7.28	5.88	6.18	3.03	62.97
COOMA CAIRN	BZ	17.00	88.83	7.37	3.18	2.66	2.43	2.72	9.29	9.09	5.77	10.61	9.00	12.95	5.63	80.70
COROZAL	BZ	18.40	88.40	2.98	1.69	0.70	1.76	5.16	7.71	7.85	6.27	10.93	5.00	4.10	4.38	58.53
GRACIE ROCK	BZ	17.37	88.45	4.08	2.67	2.91	2.18	4.25	10.14	10.54	8.48	10.43	5.99	6.44	5.02	73.13
MACHACA	BZ	16.20	88.90	8.66	4.19	5.40	2.73	5.79	19.51	24.16	19.36	17.01	10.38	8.24	5.44	130.87
MANGO CREEK	BZ	16.55	88.58	4.78	3.03	1.87	1.84	5.22	14.30	15.03	11.40	13.19	11.34	7.68	4.53	94.21
MIDDLESEX	BZ	17.03	88.52	6.62	3.72	3.40	3.20	6.25	14.62	19.55	13.75	13.99	10.54	9.22	6.22	111.08
POMONA	BZ	17.00	88.37	6.79	3.17	3.37	3.40	6.19	11.70	17.92	11.05	12.67	9.65	9.48	5.80	101.19
STANN CREEK AGR	BZ	16.97	88.22	5.73	2.77	2.96	3.02	5.45	10.31	11.46	9.94	10.85	10.43	10.11	6.12	89.15
AGUA BUENA	CS	8.73	82.92	2.08	1.17	2.68	4.52	14.25	15.48	12.55	13.01	17.80	23.13	11.27	5.38	123.32
ARGENTINA GRECIA	CS	10.03	84.35	0.24	0.20	0.39	1.81	11.81	12.76	10.24	10.31	13.74	16.61	6.02	1.73	85.83
BARTOLO	CS	9.42	84.10	2.99	0.68	1.24	4.96	18.06	17.64	18.43	17.14	15.79	29.39	17.62	7.88	151.81
COLORADO	CS	10.73	83.58	23.27	10.87	6.34	9.76	17.56	21.26	30.75	29.09	13.94	18.58	22.91	36.65	244.92
COTO 26	CS	8.53	83.05	3.89	1.97	2.72	5.33	12.13	12.70	12.32	13.50	12.67	21.96	13.19	5.49	117.87
GOOD HOPE	CS	10.07	83.32	10.55	7.95	6.22	7.72	10.87	10.51	13.66	10.35	4.25	8.86	14.41	18.54	123.82
JUAN VIVAS	CS	9.57	83.73	13.46	8.58	6.06	7.01	13.07	12.95	14.53	10.24	11.06	11.61	15.59	18.54	146.65
LIMON	CS	10.00	83.05	12.72	9.06	8.50	9.65	12.68	11.97	16.18	12.72	4.76	9.69	15.24	19.65	142.79
LOS DIAMANTES	CS	10.22	83.77	11.22	7.64	6.46	8.82	17.60	18.19	18.58	13.07	11.26	15.91	18.35	20.67	167.79
NARANJO	CS	10.10	84.37	0.12	0.47	0.35	2.20	7.56	12.87	11.61	13.66	18.58	14.25	6.85	2.48	91.02
NICOYA	CS	10.15	85.45	0.16	0.63	0.94	2.44	9.57	13.58	10.16	13.70	14.92	16.61	5.12	0.47	88.27
OROTINA	CS	9.88	84.52	0.12	0.67	0.55	3.19	13.03	12.60	11.97	11.69	15.47	17.32	7.83	0.79	95.20
PUERTO VIEJO	CS	10.43	83.98	10.67	8.70	6.26	8.19	17.72	15.39	19.84	15.75	9.09	13.50	16.02	18.82	159.92
QUEBRAADA GRANDE	CS	10.83	85.50	0.98	0.51	0.55	0.83	6.61	14.61	6.89	9.25	13.54	12.20	5.87	3.43	75.20
SAN JOAQUIN FLORES	CS	10.02	84.13	0.20	0.31	0.83	2.72	11.34	11.97	8.15	9.17	13.90	16.14	6.34	1.89	82.95
SAN MIGUEL BARRANCA	CS	10.00	84.68	0.16	0.20	0.08	1.89	11.42	13.23	10.94	10.31	13.07	15.91	6.46	2.05	85.71
SANTA CRUZ	CS	10.27	85.62	0.12	0.00	0.04	0.43	12.20	12.28	8.78	5.94	15.00	19.57	2.60	0.91	77.83
TURRIALBA	CS	9.88	83.63	6.73	4.49	3.11	3.90	8.54	9.72	10.20	8.15	8.15	9.49	10.71	11.81	94.92
ACAJUTLA	ES	13.57	89.83	0.08	0.04	0.86	2.03	6.89	11.73	10.43	10.91	13.18	10.33	1.21	0.19	67.88
APOPA	ES	13.80	89.18	0.20	0.12	0.24	2.28	8.23	13.46	13.27	13.39	13.90	8.70	1.30	0.20	75.29
COATEPEQUE	ES	13.90	89.83	0.12	0.04	0.20	1.93	7.64	13.15	11.97	12.17	12.99	7.13	1.26	0.24	69.54
COJUTEPEQUE	ES	13.72	88.93	0.16	0.00	0.35	1.89	7.91	15.32	15.04	14.06	14.29	10.87	1.50	0.28	81.67
CUTUCO	ES	13.33	87.82	0.04	0.04	0.24	1.10	10.63	14.41	7.48	10.75	18.58	13.70	1.97	0.32	79.26
EL CONGO	ES	13.90	89.50	0.12	0.04	0.20	1.65	7.60	13.23	11.18	11.89	12.64	7.80	1.30	0.20	67.85
FCA. SAN JOSE	ES	13.73	89.30	0.39	0.24	0.43	2.36	9.41	19.45	15.55	14.92	18.78	13.23	1.97	0.16	96.89
LA TOMA	ES	13.85	89.28	0.16	0.16	0.20	2.01	7.91	12.80	13.62	12.76	15.08	7.44	1.22	0.24	73.60
METAPAN	ES	14.33	89.47	0.04	0.16	0.79	1.65	7.13	11.97	9.41	8.98	12.72	6.89	0.47	0.28	60.49
SAN MIGUEL	ES	13.48	88.18	0.04	0.00	0.16	0.91	8.54	11.73	9.61	10.35	14.61	11.69	1.65	0.32	69.61
SANTA ANA	ES	13.98	89.57	0.08	0.00	0.20	1.89	7.52	11.89	10.94	11.65	13.39	7.32	0.91	0.20	65.99
SONSONATE	ES	13.72	89.73	0.12	0.12	0.24	1.85	7.60	13.39	11.81	11.81	14.09	12.76	1.10	0.32	75.21
TEXIS JUNCTION	ES	14.10	89.52	0.08	0.08	0.35	2.20	7.80	11.73	11.73	11.50	14.57	7.48	1.02	0.32	68.86
VALLE SAN JUAN	ES	13.35	88.62	0.00	0.08	0.20	0.94	6.54	13.23	11.42	11.10	15.04	14.17	1.93	0.16	74.81
ZACATECOLUCA	ES	13.50	88.87	0.08	0.08	0.28	1.57	9.61	15.63	13.35	13.58	18.43	14.89	2.20	0.43	89.33
AGUA BLANCA	GU	14.52	89.62	0.00	0.04	0.08	0.24	2.28	4.61	4.61	5.16	6.57	2.76	0.20	0.24	26.81
ANGUIATU	GU	14.35	89.58	0.00	0.04	0.08	0.47	1.65	5.43	4.49	4.41	5.24	2.36	0.39	0.04	24.61
ANTIGUA	GU	14.55	90.73	0.08	0.12	0.12	0.71	4.21	6.97	5.98	4.72	7.83	5.28	1.38	0.12	37.52
BELIZ	GU	14.67	90.63	1.18	0.91	3.70	6.77	18.86	26.14	22.56	22.01	31.38	25.94	7.52	2.17	169.09
BUENA VISTA	GU	14.62	91.63	1.26	1.42	4.13	7.28	17.40	19.45	17.52	17.09	26.46	24.09	7.64	1.50	145.20
CASTANEDA	GU	14.63	89.43	0.04	0.08	0.55	0.98	5.83	10.31	7.91	9.13	12.76	5.87	0.75	0.39	54.57
CHAMPERICO	GU	14.30	91.92	0.31	0.04	0.16	0.55	3.78	6.69	4.69	4.25	7.48	10.12	0.51	0.16	38.66
CHIACAM	GU	15.55	90.10	6.18	5.20	3.98	4.72	10.43	21.81	21.97	17.64	17.32	19.88	10.16	7.24	146.57
CHINASYUB	GU	15.60	90.47	11.38	8.90	7.87	9.61	11.10	19.92	18.78	14.88	19.76	27.52	20.59	15.87	186.18
COATEPEQUE	GU	14.70	91.87	0.35	0.24	1.26	5.28	12.60	20.63	15.79	18.27	20.59	19.84	4.61	0.98	120.51

TABLE B-1, Cont'd

		LAT	LON	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
CONCEPCION	GU	14.32	90.78	0.55	0.47	3.31	5.75	18.23	24.09	22.99	16.30	26.22	20.71	5.08	0.83	136.61
CREEK	GU	15.32	88.95	5.71	3.39	2.76	3.07	7.13	13.98	12.13	10.98	14.69	11.38	7.91	6.57	99.45
EL PASO	GU	17.25	90.23	1.93	1.61	1.22	2.09	6.73	9.29	7.83	7.52	11.93	10.94	4.76	3.50	69.37
EL RANCHO	GU	14.92	90.00	0.04	0.08	0.08	0.51	3.39	5.24	3.15	2.01	4.96	3.03	0.39	0.08	22.95
EL VALLE	GU	15.87	90.28	10.51	7.83	6.54	7.24	11.42	29.92	38.78	25.87	25.59	20.63	13.74	13.46	211.42
ENTRE RIOS	GU	14.48	91.57	0.24	0.63	2.83	6.18	13.94	18.03	16.57	16.57	22.32	20.71	5.16	0.43	123.94
FLORES	GU	16.93	89.88	1.97	1.42	1.77	7.05	9.45	9.80	9.45	8.43	14.25	8.03	3.46	3.94	78.98
GUATEMALA CITY	GU	14.58	90.52	0.13	0.12	0.24	0.89	5.06	9.85	7.42	7.16	9.57	5.59	0.92	0.28	47.23
GUAXAC	GU	15.33	90.13	3.43	3.23	2.44	2.95	10.08	20.20	19.37	14.41	19.80	12.83	5.43	3.58	115.91
LA GLORIA	GU	14.12	90.28	0.24	0.16	0.91	2.76	11.77	19.53	9.88	13.19	23.03	17.56	1.97	0.51	101.50
LA MORENA	GU	14.17	90.37	0.12	0.20	0.31	1.57	7.01	15.55	10.87	9.80	15.91	11.26	1.14	0.59	74.41
LA REUNION	GU	14.43	90.83	0.79	0.59	1.85	2.68	10.12	23.15	15.59	18.98	28.39	13.43	2.28	0.79	118.62
LAS DELICIAS	GU	14.53	91.02	0.91	0.87	2.68	4.72	15.75	22.95	14.53	15.83	27.72	15.51	2.05	1.06	124.45
LAS VINAL	GU	14.33	90.43	0.35	0.20	0.91	2.01	9.21	14.09	10.00	11.22	10.43	11.06	1.97	0.59	75.94
LOS BALSAMOS	GU	14.98	89.92	1.26	1.00	0.65	1.69	6.84	23.05	12.93	11.63	20.87	15.08	4.21	2.60	101.81
MAYAGUA	GU	15.45	89.67	3.86	2.91	2.68	3.66	10.35	20.83	24.09	19.21	20.04	12.48	5.20	4.69	130.00
MOCCA	GU	15.35	90.90	4.84	3.62	3.15	4.72	11.46	21.69	21.81	17.72	20.63	19.13	8.43	5.87	143.11
MORAN	GU	14.48	90.53	0.04	0.04	0.12	0.59	4.29	9.37	8.46	8.43	8.62	5.79	0.83	0.16	46.73
MORELIA	GU	14.42	90.97	2.01	2.32	3.82	7.91	24.13	31.69	24.65	27.76	36.69	31.93	7.05	2.91	202.87
PALO GORDO	GU	14.48	91.40	0.43	0.87	2.36	4.76	15.55	23.94	18.35	18.90	22.87	24.72	7.48	1.30	141.54
PAMPOJILA	GU	14.62	91.13	0.24	0.35	0.91	1.81	8.23	17.95	10.51	10.51	18.78	10.24	1.61	0.59	81.73
PAWNEE PLAYI AS	GU	15.35	88.82	5.20	2.83	2.48	2.72	5.39	9.76	8.78	7.48	10.51	9.61	8.62	6.69	80.08
PENA PLATA	GU	14.45	91.08	0.75	1.10	2.20	5.94	16.26	21.61	19.41	19.92	26.93	22.83	5.43	1.54	143.90
PUERTO BARRIOS	GU	15.73	88.60	7.76	4.53	3.98	5.24	8.39	10.87	19.09	12.24	12.32	14.57	11.97	10.16	121.06
QUIRIGUA	GU	15.27	89.07	4.33	2.48	2.56	2.52	7.32	12.13	11.54	9.84	13.35	9.06	7.44	6.18	88.78
SAN JOSE	GU	13.92	90.82	0.00	0.04	0.39	1.50	4.41	9.92	9.76	8.78	10.79	10.91	0.83	0.04	57.36
SAN RAFAEL PANAN	GU	14.50	91.25	1.14	2.40	4.69	11.42	19.65	24.65	17.36	20.67	27.44	21.18	6.46	2.20	159.17
SANARATE	GU	14.78	90.20	0.00	0.08	0.16	0.55	3.35	5.28	3.11	2.95	6.61	3.35	0.20	0.28	25.94
SANTA TERESA	GU	14.98	91.90	2.91	1.77	5.04	11.06	22.76	27.09	19.76	22.83	29.65	23.82	6.73	3.07	176.50
SEPACUITE	GU	15.47	89.78	8.31	5.47	3.98	4.84	11.38	23.03	25.98	19.49	20.35	16.02	10.55	8.46	157.76
TENEDORES	GU	15.55	88.63	4.21	1.81	1.65	1.97	4.13	7.24	9.49	9.02	8.03	8.94	6.97	4.80	68.31
TINAJAS	GU	15.32	89.67	4.41	1.89	2.24	3.15	9.02	15.51	20.28	15.35	16.14	7.87	4.09	4.13	104.13
WESTFALIA	GU	15.25	89.90	3.50	2.13	2.09	2.99	7.44	13.82	15.98	12.60	13.70	9.13	4.41	3.58	91.34
AGUA CALIENTE	HO	14.67	87.30	1.18	0.79	1.14	1.73	5.87	8.46	6.77	5.67	7.72	6.50	2.64	1.61	50.08
AMAPA	HO	15.05	87.98	2.20	1.46	0.83	1.18	4.53	10.67	11.77	9.49	13.54	8.98	4.96	3.23	72.91
CATACAMAS	HO	14.90	85.93	1.82	0.79	0.55	1.19	5.09	9.19	8.87	6.36	7.19	6.28	2.62	1.74	51.69
CHOLUTECA	HO	13.30	87.18	0.00	0.10	0.39	1.87	10.35	15.00	6.77	8.14	15.80	12.90	2.00	0.26	73.57
CHUMBAGUA	HO	15.25	88.47	1.89	1.26	1.18	1.50	3.82	10.20	7.68	6.18	8.07	6.97	4.06	3.43	56.22
COMAYAGUA	HO	14.42	87.63	0.55	0.35	0.28	1.38	4.45	7.56	5.39	6.57	5.59	5.98	1.73	0.91	44.68
COYOLES	HO	15.48	86.68	2.09	1.22	0.63	0.79	2.32	5.28	3.86	2.87	4.53	4.92	4.21	3.19	35.91
DULCE NOMBRE	HO	14.83	88.83	1.85	0.79	0.94	1.38	4.57	9.80	7.99	6.02	10.12	6.18	2.91	2.56	55.12
EL ZAMORANO	HO	14.00	87.03	0.55	0.39	0.47	1.26	5.24	9.53	6.06	5.20	7.52	5.63	1.77	0.47	44.09
FINCA #17	HO	15.25	87.88	2.20	1.57	1.14	1.02	4.06	9.21	8.03	6.26	9.53	6.85	7.20	4.57	61.65
GUANACASTAL	HO	15.67	87.83	3.19	3.74	2.13	1.54	1.97	8.98	8.78	5.12	7.72	10.94	7.48	5.67	67.24
GUANAJA	HO	16.47	85.92	8.61	3.93	2.73	2.64	2.61	4.79	8.97	6.11	5.22	16.95	16.50	13.99	93.04
HAC. SAN ISIDRO	HO	13.87	86.57	1.10	0.39	0.67	1.06	3.90	8.74	6.57	4.72	5.63	6.57	2.52	0.91	42.80
JUTIAPA	HO	15.78	86.57	2.72	1.18	0.83	1.06	8.82	10.87	8.58	6.69	12.72	8.94	4.17	5.24	71.81
JUTICALPA	HO	14.77	86.25	2.40	1.38	0.67	0.91	5.28	8.07	7.76	5.20	7.80	7.17	3.86	1.61	52.09
LA CEIBA	HO	15.78	86.83	13.94	8.70	5.24	4.25	3.66	4.88	5.04	5.87	8.43	15.24	11.26	16.54	103.03
LA MESA	HO	15.45	87.93	2.36	2.09	1.34	1.26	2.76	6.30	4.65	3.54	6.22	6.89	4.76	4.72	46.89
LAMANI	HO	14.15	87.62	0.43	0.31	0.43	2.28	8.82	14.72	9.06	5.51	12.64	7.60	1.02	0.35	63.19
LOS PLANES	HO	15.62	86.40	6.06	3.70	2.56	2.32	5.67	8.07	4.17	6.38	7.76	11.50	11.46	8.35	77.20
MANACAL	HO	15.38	88.17	2.05	1.14	1.26	1.38	2.40	6.69	6.06	4.69	6.69	6.10	3.78	3.11	45.35
MARCLA	HO	14.12	88.00	0.24	0.08	0.24	1.46	5.79	10.39	9.72	7.99	12.68	5.67	0.28	0.39	55.31
MINAS SAN ANDRES	HO	14.92	88.93	0.63	0.94	0.63	1.54	5.91	12.05	9.21	8.35	16.18	4.65	2.80	1.26	64.13
MOROCELI	HO	14.13	86.88	0.08	0.08	0.12	0.31	3.15	5.87	2.72	4.02	4.45	3.98	1.22	0.12	26.10

TABLE B-1, Cont'd

		LAT	LON	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NVO OCOTEPEQUE	HO	14.43	89.17	0.55	0.16	0.75	1.89	5.31	10.00	8.23	7.68	10.16	4.92	1.26	0.51	51.42
NVO ROSARIO	HO	14.22	87.08	1.85	0.94	0.91	1.65	7.09	9.57	6.89	5.67	8.50	8.58	3.66	2.32	57.64
PENA BLANCA	HO	14.93	88.05	5.79	3.90	3.27	2.28	7.09	17.05	22.48	17.24	19.84	15.00	8.03	6.89	128.86
PROGRESO	HO	15.35	87.97	3.46	2.36	1.81	1.65	3.35	6.46	6.89	5.35	7.13	8.31	8.54	5.87	61.18
PUERTO CORTES	HO	15.80	87.93	11.50	5.16	4.88	4.25	4.96	6.46	7.56	7.72	8.86	19.41	17.87	14.80	113.43
PUERTO LEMPIRA	HO	15.22	83.78	7.47	3.62	2.26	2.53	6.96	12.86	10.77	10.51	10.64	15.40	14.51	8.81	106.28
SABANAGRANDE	HO	13.82	87.27	0.12	0.16	0.51	1.65	6.50	9.53	2.83	2.72	10.55	6.22	1.06	7.24	49.02
SAN ALEJO	HO	15.63	87.57	8.78	6.73	3.98	3.98	3.54	5.35	9.17	8.03	8.50	14.84	13.03	13.94	99.76
SAN MARCOS	HC	13.42	86.82	0.08	0.39	0.71	1.30	10.08	7.76	3.66	2.13	8.03	9.02	1.14	0.20	44.49
SAN PEDRO SULA	HO	15.47	88.02	2.83	2.05	2.01	1.42	3.62	6.26	6.06	4.61	7.52	7.05	5.67	4.72	64.65
TEGUCIGALPA	HO	14.05	87.22	0.38	0.18	0.30	1.16	6.07	6.05	3.23	3.65	7.20	5.49	2.50	0.50	35.69
TELA	HO	15.72	87.48	9.62	6.92	3.18	3.21	3.71	5.43	6.88	8.94	8.52	14.03	16.04	14.41	100.85
TRUJILLO	HO	15.92	85.98	13.35	8.07	4.41	2.91	4.49	4.29	5.47	4.29	6.34	17.24	20.43	15.63	106.93
URRACO	HO	15.55	87.77	5.35	3.19	2.09	1.93	3.23	5.63	6.54	6.26	6.57	8.66	11.85	7.32	68.62
VERACRUZ	HO	14.90	88.78	1.77	0.87	1.02	1.22	5.51	11.77	9.13	7.48	11.34	7.20	3.43	2.68	63.43
YORO	HO	15.17	87.12	1.06	1.18	0.59	1.22	5.16	6.14	4.29	3.94	6.02	6.18	4.09	2.20	42.09
ZACAPA	HO	14.68	88.07	1.93	1.46	1.42	1.18	4.29	9.57	10.12	8.90	10.87	9.45	4.09	2.44	65.71
BLUEFIELDS	NK	12.00	83.72	9.96	4.09	2.80	3.86	13.74	19.92	31.54	24.37	12.48	13.19	14.29	14.13	164.37
CARATERA	NK	13.22	85.75	4.37	1.93	1.34	1.46	8.86	13.94	16.54	9.72	10.43	11.30	6.57	4.69	91.14
CIUDAD RIVAS	NK	11.43	85.85	0.43	0.20	0.16	0.20	7.60	11.57	6.93	6.93	11.65	12.83	3.07	0.91	62.48
COLON	NK	11.12	85.47	3.15	1.85	0.67	0.75	7.32	13.31	12.87	10.12	10.59	11.77	7.52	6.06	85.94
ESTELI	NK	13.08	86.38	0.08	0.12	0.28	0.98	4.25	7.80	2.72	3.11	7.24	8.74	1.42	0.91	37.64
GRANADA	NK	11.93	85.95	0.20	0.08	0.24	0.83	6.02	11.26	6.42	6.73	10.67	11.38	2.99	0.91	57.76
JINOTEGA	NK	13.10	86.00	1.54	0.91	0.43	0.43	5.51	7.28	5.83	4.84	6.46	8.58	2.24	1.73	45.79
JUIGALPA	NK	12.12	85.37	0.39	0.16	0.08	0.31	7.09	9.21	5.94	6.18	11.85	10.47	2.80	1.02	55.51
LEON	NK	12.45	86.87	0.00	0.00	0.00	0.75	5.71	12.60	5.20	6.02	8.90	15.75	4.37	3.39	62.68
LOS PILARES	NK	10.83	83.97	9.33	5.63	2.48	3.50	9.72	17.17	16.89	14.69	13.19	10.39	10.67	12.87	126.54
MANAGUA	NK	12.15	86.28	0.12	0.04	0.12	0.43	5.79	8.31	5.35	4.33	8.50	11.50	1.73	0.39	46.65
MATAGALPA	NK	12.88	85.95	1.22	0.51	0.51	0.71	5.35	9.84	7.17	6.10	9.61	9.02	2.68	0.83	53.54
MUHAN	NK	12.13	84.97	2.40	2.09	0.83	1.06	6.61	12.44	11.42	11.46	9.41	10.55	8.74	4.21	81.22
PUERTO CABEZAS	NK	14.03	83.40	6.52	3.27	1.50	2.02	10.44	16.97	18.81	14.41	10.94	13.18	13.95	11.01	123.02
SAN ANTONIO	NK	12.58	87.08	0.04	0.04	0.12	0.94	9.72	13.35	7.64	10.43	15.98	20.20	3.11	0.28	81.73
SAN JUAN DEL NORTE	NK	10.93	83.70	17.17	11.26	4.80	6.73	15.28	23.86	31.81	22.83	13.94	21.50	35.39	30.98	235.55
SAN MARCOS	NK	11.83	86.20	0.67	0.24	0.31	0.35	8.70	12.60	6.38	7.28	12.68	17.09	3.11	1.54	70.87
SAN MIGUELITO	NK	11.38	84.90	2.87	1.22	0.63	0.75	6.65	16.50	16.81	14.80	14.92	14.06	6.14	4.25	99.57
SAN UBALDO	NK	11.83	85.33	0.71	0.16	0.08	0.51	6.06	9.17	7.48	7.52	11.10	10.55	3.58	1.34	58.31
SIUNA	NK	13.67	84.58	2.87	2.41	1.02	1.39	8.26	14.33	10.73	9.23	11.09	9.47	4.72	3.42	78.68
ALANJE	PM	8.30	82.53	0.75	2.95	0.67	5.59	8.90	10.51	10.39	12.91	10.98	15.31	11.10	5.24	95.31
ALTO LINO	PM	8.60	82.50	7.64	4.34	3.98	3.52	17.37	17.33	12.08	8.43	12.47	19.06	11.52	12.58	130.31
BALBOA HEIGHTS	PM	8.97	79.55	1.69	0.60	0.55	2.40	8.47	7.85	8.00	8.47	7.55	11.23	10.81	5.67	73.29
BOCA DE CUPE	PM	8.05	77.58	1.65	2.09	2.13	6.22	12.91	13.54	9.69	8.74	7.95	7.72	6.69	3.19	82.52
CALDERA	PM	8.65	82.38	0.67	2.95	4.09	9.02	12.09	17.32	16.34	16.73	25.28	34.09	13.07	2.60	154.25
CAMERON	PM	8.07	81.65	0.55	1.65	1.30	6.46	10.63	18.98	15.87	18.66	21.02	31.97	23.43	4.80	155.31
CHANGUINOLA	PM	9.48	82.48	7.40	4.65	5.67	4.96	8.11	7.48	9.53	7.17	2.40	4.45	9.69	9.53	80.75
CHORRO	PM	8.97	79.98	2.79	1.05	1.19	3.27	11.17	8.76	8.47	10.61	12.36	12.62	14.72	8.24	95.25
CRISTOBAL	PM	9.35	79.92	3.31	1.55	1.48	4.04	12.49	13.09	15.47	15.40	12.50	12.50	22.63	12.13	126.59
GAMBOA	PM	9.12	79.70	1.46	0.71	0.56	3.04	10.39	9.67	9.82	10.51	9.79	12.21	12.21	6.22	86.59
GATUN	PM	9.27	79.93	3.29	1.85	1.76	4.76	12.91	11.56	12.77	13.64	11.19	16.33	21.61	12.31	123.98
HOWARD AFB	PM	8.91	79.60	0.60	1.81	0.48	3.36	7.72	7.26	7.07	7.47	6.95	9.93	9.54	5.38	67.57
ISLA GRANDE	PM	9.63	79.57	2.38	1.59	0.89	1.88	11.24	10.96	11.40	11.16	9.35	11.79	18.01	11.17	101.82
MADDEN DAM	PM	9.20	79.62	1.17	0.67	0.38	2.82	10.63	11.67	12.50	11.74	11.15	14.75	13.03	5.33	95.84
MONTE LIRIO	PM	9.23	79.85	2.40	1.82	1.60	4.00	11.20	11.40	11.59	12.81	11.49	15.82	19.75	11.32	115.20
NARGANA	PM	9.48	78.52	3.34	1.65	0.72	3.43	11.61	9.58	11.42	10.79	7.09	8.77	17.79	6.93	93.12
PEDRO MIGUEL	PM	9.02	79.62	1.17	0.44	0.41	3.18	9.81	9.29	9.16	9.11	8.85	11.84	11.43	5.82	80.51
PELUCA	PM	9.38	79.57	3.84	2.17	1.49	5.56	13.33	12.75	12.75	13.22	11.67	13.04	16.84	13.00	119.63

TABLE B-1, Cont'd

		LAT	LON	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
PUERTO ARMUELLES	PM	9.90	84.10	0.37	0.14	0.49	1.78	8.99	10.97	8.51	9.37	12.58	12.89	5.76	1.60	73.43
SALAMANCA	PM	9.32	79.58	1.38	0.77	0.42	2.88	10.37	11.78	11.67	11.44	12.01	14.31	14.24	6.43	97.70
SANTA CLARA	PM	8.40	80.12	0.43	0.11	0.04	0.61	6.08	5.55	4.33	5.49	4.99	7.32	6.77	3.03	44.75
SANTA ROSA	PM	8.20	80.67	0.37	0.38	0.05	1.40	8.47	7.99	6.67	7.69	9.13	13.89	9.72	2.82	68.58
TONOSI	PM	7.38	80.38	1.01	0.08	0.17	1.82	8.82	9.32	8.86	8.77	9.11	16.45	14.08	5.13	83.62

TABLE B-2 Days with Precipitation ≥ Specified Amount

	AMT		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
BELIZE INTL	1MM	BZ	13	7	5	4	6	15	17	16	15	15	14	12	153
LIBERIA	TRACE	CS	*	*	*	1	8	15	12	12	17	16	5	1	87
LIMON	1MM	CS	11	17	17	13	15	18	15	15	12	15	19	19	186
PUNTARENAS	TRACE	CS	*	1	1	2	7	14	14	10	14	13	7	2	84
SAN JOSE	1MM	CS	1	1	1	8	19	19	17	21	24	19	13	3	146
ACAJUTLA	1MM	ES	1	0	2	3	9	17	15	16	16	13	3	1	96
SAN SALVADOR	TRACE	ES	1	1	1	5	13	20	22	21	21	16	5	1	127
SANTA ANA	TRACE	ES	*	1	1	5	13	19	21	17	18	12	3	1	110
FLORES	UNK	GU	11	5	3	3	7	16	18	20	19	14	13	11	142
GUATEMALA CITY	1MM	GU	1	1	1	3	9	16	15	16	15	12	4	1	96
HUEHUETENANGO	1MM	GU	1	1	1	4	12	14	10	12	14	12	4	1	86
PUERTO BARRIOS	TRACE	GU	20	11	10	12	15	23	28	25	21	20	20	21	225
SAN JOSE	UNK	GU	*	*	1	3	8	12	12	13	15	12	3	*	79
CATACAMAS	1MM	HO	14	6	5	6	14	22	23	23	20	18	16	14	181
CHOLUTECA	1MM	HO	1	0	1	3	15	20	12	17	22	19	7	1	118
GUANAJA	1MM	HO	17	9	7	5	4	12	19	15	12	19	19	16	154
ISLAS DEL CISNE	1MM	HO	10	6	4	3	6	11	12	10	11	16	15	11	115
LA CEIBA	1MM	HO	14	9	3	6	7	12	14	18	16	16	17	14	146
PUERTO LEMPIRA	1MM	HO	21	12	11	8	14	20	22	23	22	24	22	21	220
SAN PEDRO SULA	1MM	HO	10	7	4	4	7	13	14	14	14	13	15	11	126
TEGUCIGALPA	1MM	HO	4	2	1	4	13	17	15	16	19	18	10	6	125
TELA	1MM	HO	16	12	8	6	7	13	18	21	16	18	19	17	171
BLUEFIELDS	TRACE	NK	22	15	12	11	17	25	29	26	21	21	22	22	243
JUIGALPA	TRACE	NK	8	4	1	2	8	16	18	14	18	17	12	6	123
PUERTO CABEZAS	TRACE	NK	18	11	8	8	14	21	26	22	19	20	19	19	204
RIVAS	TRACE	NK	4	3	*	1	8	17	13	15	19	22	12	6	120
CHANGUINOLA INTL	TRACE	PM	17	14	15	17	18	18	21	18	14	16	18	21	207
DAVID	TRACE	PM	3	1	2	7	19	20	19	19	22	23	20	10	164
HOWARD AFB	1MM	PM	5	1	2	7	17	18	18	17	17	23	21	14	160
LA PALMA	1MM	PM	1	1	1	3	13	19	20	19	20	25	18	11	150
PANAMA CITY	1MM	PM	4	2	1	3	17	17	18	18	16	19	21	14	150
RIO HATO	TRACE	PM	2	1	1	4	13	16	15	14	13	20	19	12	128
SANTIAGO	1MM	PM	*	*	*	2	13	14	13	13	15	19	16	6	111
TOCUMEN	TRACE	PM	6	4	2	5	18	19	20	20	18	21	22	15	167

AN * INDICATES AN OCCURRENCE OF LESS THAN 1 DAY

TABLE B-3 Mean Monthly Temperatures

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
BELIZE	BZ	74	76	78	80	81	81	81	82	81	80	76	75	79
ALAJUELA	CS	71	72	73	74	73	73	72	72	72	71	71	71	72
ALTO DE OCHOMOGO	CS	66	66	66	68	68	66	68	67	67	66	66	66	67
ARGENTINA GRECIA	CS	77	75	75	76	75	74	75	75	75	75	76	75	75
ATENAS	CS	74	75	77	77	77	75	75	75	74	73	73	73	73
AVANCE	CS	61	63	63	64	64	64	63	63	64	63	62	62	63
BUENVISTA	CS	65	65	67	68	68	68	67	67	67	66	66	65	67
CAIRO	CS	74	74	75	75	75	77	76	76	76	75	73	72	75
CANAS	CS	82	84	84	84	83	82	82	82	82	81	81	80	82
CIUDAD QUESADA	CS	71	72	78	79	75	74	73	74	75	74	73	72	74
EL COCO	CS	72	73	75	75	74	73	72	73	72	72	72	72	73
EL GUARCO	CS	62	64	64	66	68	66	66	67	67	66	65	63	65
ESPARTA	CS	79	81	84	84	80	80	79	78	78	78	78	78	80
FILADELFIA	CS	83	83	84	85	84	83	82	83	82	82	83	83	83
GOLFITO	CS	83	84	84	84	83	82	82	82	82	82	82	82	82
GRECIA	CS	71	73	74	74	74	73	73	73	73	72	72	71	73
JUAN VIVAS	CS	68	67	68	69	72	71	69	72	72	71	69	68	70
LIBERIA	CS	81	80	82	85	83	81	82	82	81	80	80	80	81
LIMON	CS	76	76	77	78	80	78	74	78	78	78	78	76	77
LOLA (LA)	CS	75	75	76	77	79	79	78	78	79	78	77	76	77
NICOYA	CS	79	81	83	84	82	82	81	82	81	79	79	79	81
OROTINA	CS	81	82	83	83	81	78	78	79	78	78	79	79	80
PACAYAS	CS	60	61	61	64	63	64	64	64	65	63	63	62	63
PALMARES	CS	70	71	72	73	73	73	73	73	73	72	72	71	72
QUEBRADA GRANDE	CS	73	75	77	78	77	75	75	75	75	75	75	73	75
SAN ISIDRO GENERAL	CS	72	73	74	75	74	74	73	73	73	72	72	72	73
SAN ISIDRO CORONAO	CS	63	63	65	66	67	68	66	67	68	67	66	65	66
SAN JOAQUIN FLORES	CS	71	72	73	75	74	73	73	73	73	72	72	72	73
SAN JOSE	CS	67	67	69	71	71	70	69	70	70	69	68	68	70
SAN MIGUEL BARRANCA	CS	80	82	84	84	80	78	77	77	77	77	77	78	79
SAN RAMON	CS	69	69	70	71	72	72	71	71	70	70	70	69	70
SAN VITO DE LA JAB	CS	74	76	77	76	75	74	73	73	73	71	73	73	74
SANTA ANA	CS	73	74	75	76	75	73	73	73	72	72	72	72	73
SANTA CRUZ	CS	80	82	84	86	83	81	80	80	80	79	79	80	81
SANTORIO DURAN	CS	58	58	59	60	60	60	60	60	60	59	59	58	59
TAPANTI	CS	64	66	67	68	71	70	69	69	69	69	68	67	68
TILARAN	CS	74	74	75	77	76	76	75	76	76	75	75	73	75
TURRIALBA	CS	70	70	72	73	73	75	74	74	74	73	72	71	73
TURRUCARES	CS	78	30	80	80	79	77	77	78	77	76	77	78	78
ZARCERO	CS	64	65	66	67	66	66	66	66	65	65	65	65	64
ACAJUTLA	ES	80	80	83	84	84	82	82	82	80	79	80	80	81
LOS ANDES	ES	58	59	62	64	64	63	62	63	62	61	60	59	61
SAN ANDRES	ES	75	75	77	78	78	77	78	77	77	76	75	75	76
SAN MIGUEL	ES	79	80	82	84	83	82	80	81	80	77	78	78	80
SAN SALVADOR	ES	72	73	75	76	76	74	75	75	74	74	73	73	73
SANTA TECLA	ES	68	70	71	72	72	74	72	73	71	70	69	68	71
ACULTZINGO	GU	65	65	66	66	67	67	67	67	67	66	66	66	66
AMATITLAN	GU	73	76	77	78	78	77	77	77	77	76	75	74	76
ANTIGUA	GU	60	63	65	67	67	67	67	67	66	66	64	62	65
BELIZ	GU	70	70	71	72	73	72	72	72	71	70	71	70	71
BUENA VISTA	GU	77	80	80	80	79	77	77	77	77	77	78	78	78
CASTANEDA	GU	71	74	78	79	79	77	76	76	75	75	74	72	76
CERRO REDONDO	GU	69	71	72	73	73	73	73	72	73	73	70	69	72
CHIQUIMULA	GU	74	75	80	82	83	81	80	80	79	78	75	74	79

TABLE B-3, Cont'd

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
CHOCOLA	GU	74	74	75	76	77	76	76	76	76	76	76	75	76
CONCEPCION	GU	78	79	80	80	80	79	79	79	78	78	77	78	76
CREEK	GU	74	75	79	80	83	83	81	82	82	80	76	75	79
CUILAPA	GU	74	73	76	78	77	78	78	77	77	75	74	73	76
DOLORES	GU	71	71	72	73	73	74	73	74	73	73	73	74	73
EL PORVENIR	GU	71	72	77	80	81	79	77	78	78	76	75	71	76
ENTRE RIOS	GU	78	79	80	81	81	80	80	79	78	77	78	77	79
ESCOBILLO	GU	77	78	82	81	82	81	81	81	81	81	79	77	80
FLORENCIA	GU	60	61	64	65	64	63	62	63	62	61	61	60	62
FLORES	GU	74	74	75	78	83	85	81	82	81	77	73	72	78
GUATEMALA CITY	GU	64	65	68	70	70	68	68	68	68	66	64	64	67
HUENUETENANGO	GU	58	60	64	65	65	64	64	64	63	63	60	58	62
JALUTE	GU	70	72	75	78	78	77	75	75	76	74	73	71	74
LA GLORIA	GU	77	78	79	78	78	77	78	77	77	76	77	77	77
LA VIRGEN	GU	78	78	78	79	78	78	78	78	77	76	76	76	77
LABOR OVALLE	GU	50	52	54	57	58	58	57	57	57	56	54	52	55
LAS DELICIAS	GU	77	77	77	77	77	78	79	77	77	77	75	76	77
LAS VINAS	GU	71	72	73	75	76	75	76	74	74	73	72	71	73
LOS ALPES	GU	64	68	69	71	72	72	72	72	73	70	67	65	69
LOS TARRALES	GU	72	72	74	74	74	73	74	74	73	73	72	72	73
[illegible]UISIANA	GU	73	74	75	76	76	76	77	77	77	76	76	74	75
[illegible]CCA	GU	64	65	68	71	71	70	69	69	69	68	68	65	66
MOKA	GU	72	72	74	74	75	74	74	74	74	73	73	74	74
MONTE BLANCO	GU	71	69	72	76	77	75	74	76	72	72	71	73	73
MONTELIMAR	GU	75	75	77	78	77	77	76	77	77	76	75	75	76
MORELIA	GU	75	75	75	76	76	75	73	73	73	75	75	74	75
MUNDO NUEVO	GU	74	74	76	77	77	74	75	75	75	74	73	72	75
NARANJO	GU	70	70	70	71	71	70	71	71	70	70	70	70	70
PALO GORDO	GU	80	81	82	82	81	80	80	80	80	81	80	81	81
PAMPOJILA	GU	67	67	67	66	67	67	67	64	64	64	66	64	66
PATZUN	GU	71	71	72	72	72	71	71	72	71	71	71	71	71
PAWNEE PLAYITAS	GU	73	75	79	82	82	82	81	81	81	79	76	74	79
PENA PLATA	GU	73	75	76	78	77	76	76	75	74	74	73	73	75
PUERTO BARRIOS	GU	78	78	79	83	85	86	86	85	85	83	80	79	83
QUEZALTENANGO	GU	51	52	55	61	64	63	62	61	61	60	57	53	58
QUIRIGUA	GU	74	75	79	82	83	82	81	82	82	80	76	74	79
RETANA	GU	61	61	62	64	65	65	65	64	64	64	64	61	63
SAN JOSE	U	79	80	82	84	84	83	83	83	82	81	81	80	82
SAN JUAN	GU	75	75	76	78	78	78	77	77	76	76	72	74	76
SAN LUIS MALACATAN	GU	81	80	81	81	81	80	80	80	80	81	79	79	80
SANANDRES OSUNA	GU	74	74	77	80	80	79	79	77	77	77	75	74	77
SANRAFAEL PANAN	GU	75	78	78	78	81	79	80	79	77	75	77	76	77
SANTA CRUZ QUIXAYA	GU	71	73	74	75	74	72	73	73	71	71	72	72	73
SANTA CECILIA	GU	68	68	70	71	72	71	71	71	70	70	69	68	70
SANTA ELISA	GU	75	77	78	79	79	78	78	77	77	76	75	75	77
SANTA MARGARITA	GU	74	74	74	74	73	72	72	73	72	72	73	73	73
SANTA TERESA	GU	72	73	75	75	75	75	75	74	74	75	74	73	74
SANTO TOMAS	GU	70	71	72	72	72	71	72	72	70	70	70	70	71
SEPACUITE	GU	63	64	68	69	70	71	70	70	70	68	65	64	68
TRECE AGUAS	GU	69	70	72	75	76	76	75	75	75	73	71	71	73
WESTFALIA	GU	70	72	72	78	77	75	75	73	74	73	70	70	73
ZACAPA	GU	79	81	83	85	87	82	82	83	82	80	77	76	81
AMPALA	HO	84	84	86	86	85	83	83	84	82	82	82	83	84
CATACAMAS	HO	72	74	77	79	79	78	76	77	77	76	74	73	76
CHOLUTECA	HO	83	83	86	86	85	81	83	83	81	80	81	83	83
COMAYAGUA	HO	71	73	76	78	80	78	78	79	77	77	75	75	76

TABLE B-3, Cont'd

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
ELZAMOANO	HO	69	70	72	74	75	73	72	73	73	72	70	69	72
GUANAJA	HO	78	78	80	82	80	83	83	83	84	81	80	78	81
LA CEIBA	HO	75	75	78	79	80	81	81	82	82	79	77	76	78
LA ESPERANZA	HO	59	60	63	67	65	65	66	65	65	66	62	58	64
LA MESA	HO	73	74	77	79	81	81	80	80	80	78	75	75	78
NVO OCOTEPEQUE	HO	72	74	77	80	78	77	76	77	76	75	73	72	76
PUERTO LEMPIRA	HO	77	77	79	81	82	82	81	81	81	80	79	78	80
SAN PEDRO SULA	HO	74	75	79	81	82	82	81	82	82	78	76	74	79
SANTA ROSA DE COPAN	HO	63	64	68	71	71	71	70	70	70	68	65	63	68
TEGUCIGALPA	HO	67	69	71	74	74	74	73	73	73	71	69	68	71
TELA	HO	74	75	77	79	80	81	80	80	81	79	76	74	78
YORO	HO	72	74	78	79	80	79	77	77	75	74	74	72	76
BLUEFIELDS	NK	78	79	83	84	80	79	77	79	79	80	78	77	80
CHINANDEGA	NK	74	75	78	80	80	78	79	79	78	78	76	74	77
JEBACO	NK	72	73	75	77	77	74	74	75	75	74	73	72	74
JUIGALPA	NK	78	80	81	82	82	80	78	79	78	79	78	77	80
LAS MERCEDES	NK	79	80	82	84	84	80	80	80	80	80	79	78	81
LAS ROBLES	NK	62	64	65	66	68	68	68	67	68	68	65	64	66
MANAGUA	NK	79	81	84	85	85	81	80	81	80	80	79	79	81
PUERTO CABEZES	NK	77	79	79	82	81	82	82	81	81	79	78	78	80
ALBROOK AFB	PM	79	82	82	84	81	80	81	81	81	80	80	81	81
ALTO LING	PM	65	66	68	69	70	69	71	68	69	69	68	68	68
BALBOA	PM	80	81	82	82	81	80	80	80	80	80	80	80	80
CHANGUINOLA	PM	79	78	80	80	81	82	80	81	81	81	80	79	80
CRISTOBAL	PM	80	80	81	81	81	81	81	80	81	80	80	80	81
GATUN	PM	80	80	81	82	81	81	81	80	81	82	82	80	81
HOWARD AFB	PM	81	82	83	83	82	81	81	81	80	80	80	81	81
MADDEN DAM	PM	78	79	80	81	81	80	80	79	79	79	78	78	79
PUERTO ARMUELLES	PM	78	79	80	80	79	78	78	78	78	77	77	78	78

TABLE B-4 Maximum Temperatures

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
BELIZE INTL	BZ	90	93	98	99	97	97	95	96	97	95	95	93
LIMON	CS	94	95	99	102	100	102	91	91	93	95	97	95
NICOYA	CS	98	102	100	100	99	99	95	97	99	93	93	97
PUNTARENAS	CS	107	109	108	102	102	97	100	99	94	95	104	100
SAN JOSE	CS	90	91	96	99	100	91	93	97	97	91	88	91
ACAJUTLA	ES	97	98	99	99	102	95	95	98	102	97	95	97
SAN SALVADOR	ES	101	103	105	104	103	98	98	98	99	101	102	101
SANTA ANA	ES	92	96	99	97	96	93	91	92	90	91	91	92
COBAN	GU	82	86	86	93	84	83	80	81	82	80	82	81
FINCA DOLORES	GU	84	84	85	88	85	85	84	86	85	86	84	84
FLORES	GU	91	95	100	102	104	98	97	95	97	96	95	92
GUATEMALA CITY	GU	86	89	92	91	90	89	83	88	88	84	86	84
HUEHUETENANGO	GU	88	91	93	91	90	91	91	88	90	81	82	82
JALUTE	GU	86	91	95	97	99	97	95	91	95	91	90	86
LOS ALPES	GU	77	88	90	90	86	84	82	82	82	82	81	75
MONTELIMAR	GU	88	91	93	93	93	91	91	91	90	90	86	86
PUERTO BARRIOS	GU	97	100	109	110	108	107	102	100	104	100	98	96
SAN JOSE	GU	93	96	99	100	99	96	97	98	98	98	98	98
SANTA MARGARITA	GU	92	92	92	91	91	91	91	90	93	90	90	91
WESTFALIA	GU	86	91	99	100	97	95	97	91	91	91	90	90
AMPALA	HO	98	99	103	101	104	97	100	100	99	97	97	96
CATACAMAS	HO	97	97	100	103	104	97	96	100	95	102	93	90
CHOLUTECA	HO	100	104	106	105	106	102	99	102	102	97	102	102
GUANAJA	HO	90	95	93	95	95	96	94	94	95	95	91	90
ISLAS DEL CISNE	HO	88	87	89	90	92	92	98	93	93	92	88	88
PUERTO LEMPIRA	HO	90	95	95	95	97	94	102	96	93	95	90	93
SAN PEDRO SULA	HO	99	102	104	106	106	104	100	99	99	99	99	100
SANTA ROSA DE COPAN	HO	89	93	93	94	95	90	88	85	85	84	85	83
TEGUCIGALPA	HO	93	99	98	96	97	99	93	97	95	97	93	95
TELA	HO	90	95	97	99	95	95	93	97	95	95	97	95
BLUEFIELDS	NK	90	90	91	94	94	94	93	97	93	94	93	93
MANAGUA	NK	95	96	100	103	102	96	94	96	98	97	96	94
PUERTO CABEZAS	NK	92	91	93	94	97	93	91	93	97	97	94	91
CHANGUINOLA INTL	PM	96	92	92	93	94	93	93	93	94	94	93	92
CRISTOBAL	PM	88	92	92	94	95	93	91	93	94	95	92	90
DAVID	PM	97	99	99	101	97	93	93	95	97	99	93	93
HOWARD AFB	PM	94	95	97	99	96	95	95	93	94	95	91	94
PUERTO ARMUELLES	PM	93	93	96	93	93	91	90	90	91	90	90	90
RIO HATO	PM	97	97	97	97	95	95	97	95	93	93	97	97

TABLE B-5 Minimum Temperatures

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
BELIZE INTL	BZ	50	49	50	55	57	62	63	61	60	58	52	46
SAN JOSE	CS	43	44	47	49	52	54	53	54	54	53	51	44
SAN SALVADOR	ES	45	49	45	54	58	56	58	60	53	54	49	47
SANTA ANA	ES	52	46	53	55	58	55	59	60	60	59	55	50
COBAN	GU	37	36	39	43	42	51	48	46	52	49	43	33
GUATEMALA CITY	GU	42	41	45	47	49	54	50	53	52	46	45	41
HUEHUETENANGO	GU	25	28	32	35	41	45	44	39	41	41	37	26
JALUTE	GU	50	50	54	59	59	64	63	61	61	59	57	55
LOS ALPES	GU	50	54	52	55	59	61	61	61	61	57	54	52
MONTELIMAR	GU	61	61	61	64	64	63	64	61	64	63	63	63
PUERTO BARRIOS	GU	57	55	59	66	68	72	74	75	72	66	62	58
SAN JOSE	GU	56	64	65	68	74	74	72	72	73	71	66	60
SANTA MARGARITA	GU	52	54	55	57	57	57	57	57	54	57	55	50
WESTFALIA	GU	52	54	55	59	59	63	61	61	61	59	54	54
AMPALA	HO	65	69	70	66	66	66	68	68	65	67	68	68
CATACAMAS	HO	39	48	49	54	52	52	53	56	59	54	50	46
ISLAS DEL CISNE	HO	64	66	67	68	68	70	70	69	70	70	68	64
SAN PEDRO SULA	HO	51	47	50	55	50	57	66	63	65	59	55	51
SANTA ROSA DE COPAN	HO	39	38	37	42	40	47	52	54	55	48	44	40
TEGUCIGALPA	HO	39	43	46	48	49	56	55	54	55	52	48	47
TELA	HO	57	53	54	63	60	64	62	66	67	62	61	54
BLUEFIELDS	NK	60	61	62	63	67	67	70	68	66	64	64	62
MANAGUA	NK	60	61	62	66	68	68	69	68	67	67	64	60
PUERTO CABEZAS	NK	59	61	64	64	58	58	58	64	65	67	65	61
CHANGUINOLA INTL	PM	62	62	64	68	64	68	68	68	68	68	62	65
CRISTOBAL	PM	69	69	67	72	71	68	70	70	70	70	69	66
HOWARD AFB	PM	64	66	68	66	69	69	70	68	69	69	68	66
PUERTO ARMUELLES	PM	60	63	65	67	66	67	68	67	67	68	64	65
RIO HATO	PM	66	68	66	68	70	68	66	66	68	68	66	66

TABLE B-6 Days with Temperatures ≥ 90°F

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
BELIZE INTL	BZ	*	4	12	14	11	11	7	9	11	7	7	4	97
LIBERIA	CS	18	21	26	26	22	9	9	7	5	5	7	13	168
LIMON	CS	7	8	15	21	17	19	1	1	4	7	10	7	117
NICOYA	CS	14	21	17	17	15	14	7	9	12	4	4	11	145
PUNTARENAS	CS	29	33	31	21	21	11	15	12	5	7	21	15	221
SAN JOSE	CS	*	1	10	15	17	1	4	9	9	1	0	1	68
ACAJUTLA	ES	12	14	15	15	21	7	7	11	16	9	7	11	145
SAN SALVADOR	ES	19	22	26	24	22	14	10	10	11	13	15	13	199
FLORES	GU	1	7	15	19	22	12	11	7	11	9	7	3	124
GUATEMALA CITY	GU	0	0	3	1	*	0	0	0	0	0	0	0	4
HUEHUETENANGO	GU	0	1	5	1	*	1	1	0	*	0	0	0	9
PUERTO BARRIOS	GU	11	15	30	31	28	27	19	15	22	15	12	9	234
SAN JOSE	GU	5	10	15	17	15	9	10	11	11	11	12	12	138
CATACAMAS	HO	12	12	17	22	24	11	9	14	7	16	4	0	148
CHOLUTECA	HO	23	25	27	21	18	13	17	19	10	9	15	21	218
ISLAS DEL CISNE	HO	0	0	0	*	1	2	6	2	2	1	0	0	14
PUERTO LEMPIRA	HO	*	7	7	7	11	6	19	9	4	7	*	4	81
SAN PEDRO SULA	HO	6	10	24	28	28	22	18	16	13	11	9	7	191
TEGUCIGALPA	HO	1	1	3	2	3	1	*	1	1	1	1	1	16
TELA	HO	*	6	8	14	12	7	4	11	7	7	11	7	94
BLUEFIELDS	NK	*	*	1	7	7	6	4	9	4	5	4	4	51
CHINANDEGA	NK	11	23	29	27	19	12	17	17	8	6	3	15	187
JUIGALPA	NK	2	5	10	14	14	2	1	2	4	1	1	0	56
MANAGUA	NK	8	10	17	22	21	9	6	8	11	9	9	6	136
PUERTO CABEZAS	NK	3	1	5	7	9	5	1	5	9	8	5	1	59
DAVID	PM	12	15	15	19	12	4	4	7	9	12	4	4	117
HOWARD AFB	PM	7	11	19	17	8	4	5	3	2	1	1	3	81
TOCUMEN	PM	8	13	14	13	6	5	7	5	4	2	3	6	86

NOTE: FOR MOST OF THESE STATIONS THE DATA WERE ESTIMATED BASED ON THE EXTREME TEMPERATURE DATA CONTAINED IN TABLE 4.

AN * INDICATES AN OCCURRENCE OF LESS THAN .5 DAYS

TABLE B-7 Mean Monthly Relative Humidity

0000Z		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
BELIZE INTL	BZ	84	79	78	78	77	80	78	78	83	87	85	84
LIBERIA	CS	61	54	56	57	77	80	79	81	87	87	79	71
LIMON	CS	86	84	82	81	84	85	86	85	86	87	90	88
NICOYA	CS	63	59	57	62	78	84	81	85	90	90	82	72
PUNTARENAS	CS	75	72	74	76	83	88	87	88	90	90	88	83
SAN JOSE	CS	70	66	67	73	87	89	83	88	92	93	87	76
ACAJUTLA	ES	69	68	71	72	75	76	74	76	81	80	73	70
SAN SALVADOR	ES	62	60	67	70	79	83	80	82	86	84	77	68
SANTA ANA	ES	57	52	55	58	71	78	72	77	83	80	69	66
FLORES	GU	82	72	61	55	58	77	80	82	82	86	86	86
GUATEMALA CITY	GU	66	62	66	67	74	79	72	77	83	81	75	70
HUEHUETENANGO	GU	47	44	42	46	57	74	64	68	79	77	68	58
POPTUN	GU	82	73	64	63	69	72	75	74	84	88	86	83
PUERTO BARRIOS	GU	81	78	76	75	76	78	79	78	80	83	84	85
RETALHULEU	GU	60	58	61	68	79	84	82	84	89	88	79	67
SAN JOSE	GU	69	67	69	70	75	79	77	79	83	82	78	74
CATACAMAS	HO	70	61	55	53	57	72	75	74	77	80	78	76
CHOLUTECA	HO	51	48	52	54	68	78	68	73	82	82	67	55
GUANAJA	HO	82	83	70	71	76	86	83	80	84	83	84	82
ISLAS DEL CISNE	HO	77	75	77	75	78	77	78	78	80	81	80	76
LA CEIBA	HO	83	83	71	73	69	81	76	79	80	86	84	83
PUERTO LEMPIRA	HO	84	82	80	74	76	82	78	82	88	86	87	81
SAN PEDRO SULA	HO	83	78	73	75	72	78	76	77	75	81	83	86
TEGUCIGALPA	HO	56	49	42	46	56	64	58	60	67	70	67	65
TELA	HO	80	78	75	72	72	75	73	73	74	81	85	84
BLUEFIELDS	NK	83	83	80	79	82	86	84	86	85	87	88	85
CHINANDEGA	NK	55	53	57	57	69	76	68	76	80	82	78	66
JUIGALPA	NK	64	58	55	52	63	76	76	78	81	82	76	71
MANAGUA	NK	61	54	54	52	60	77	76	78	82	83	78	71
PUERTO CABEZAS	NK	79	76	77	76	81	83	81	83	82	84	85	82
RIVAS	NK	71	70	66	65	72	83	81	80	81	84	83	79
DAVID	PM	68	62	68	74	84	84	85	86	88	90	89	80
HOWARD AFB	PM	74	69	67	70	79	83	82	83	84	85	84	79
PANAMA CITY	PM	71	67	70	77	84	87	87	84	85	87	86	82
SANTIAGO	PM	65	60	64	67	85	86	85	87	86	91	90	77
TOCUMEN	PM	71	67	66	71	83	87	85	87	88	92	90	81

0600Z		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
BELIZE INTL	BZ	94	93	90	90	88	86	88	88	91	94	93	95
SAN JOSE	CS	77	76	76	79	89	91	88	88	92	93	87	81
ACAJUTLA	ES	75	76	80	79	85	88	87	89	90	88	82	78
SAN SALVADOR	ES	80	76	80	82	89	93	92	93	93	93	86	83

TABLE B-7, Cont'd

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
GUATEMALA CITY	GU	87	86	86	86	89	92	90	92	93	91	89	88
HUEHUETENANGO	GU	88	84	84	84	89	94	93	94	95	94	92	92
PUERTO BARRIOS	GU	95	93	92	92	89	94	94	94	93	94	92	95
SAN JOSE	GU	93	88	88	88	93	95	95	94	96	96	94	93
CATACAMAS	HO	84	77	74	74	79	85	83	88	88	89	85	86
CHOLUTECA	HO	66	65	70	74	85	86	82	84	94	87	80	71
ISLAS DEL CISNE	HO	77	76	79	78	80	80	81	82	83	82	80	77
SAN PEDRO SULA	HO	94	92	91	87	87	91	88	89	91	92	93	94
TEGUCIGALPA	HO	79	73	68	69	77	83	79	82	85	83	83	84
TELA	HO	90	91	91	85	85	89	87	89	87	92	92	92
MANAGUA	NK	82	77	74	72	80	89	88	91	91	93	91	87
HOWARD AFB	PM	81	78	78	79	84	86	85	87	87	87	87	83
TOCUMEN	PM	85	82	81	84	91	94	93	94	94	95	95	92

1200Z		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
BELIZE INTL	BZ	96	95	92	91	90	91	90	93	95	95	95	95
LIMON	CS	93	92	94	93	94	94	94	95	95	93	94	94
NICOYA	CS	83	77	78	77	94	96	93	96	98	97	93	88
PUNTARENAS	CS	89	86	85	86	92	95	95	97	96	97	96	93
SAN JOSE	CS	78	77	78	79	87	87	86	87	90	90	86	80
ACAJUTLA	ES	72	70	77	77	85	89	87	89	89	87	77	76
SAN SALVADOR	ES	85	83	86	85	92	95	92	95	95	93	88	86
SANTA ANA	ES	81	81	83	84	91	92	91	91	94	92	85	84
FLORES	GU	94	96	95	94	93	95	95	96	96	96	96	95
GUATEMALA CITY	GU	90	90	91	91	91	92	93	93	93	92	90	91
HUEHUETENANGO	GU	95	95	94	95	95	97	97	97	97	96	97	96
POPTUN	GU	94	95	93	90	90	93	95	97	96	97	98	97
PUERTO BARRIOS	GU	94	95	94	94	94	94	95	94	94	95	93	94
RETALHULEU	GU	82	85	85	84	89	91	90	91	92	92	89	86
SAN JOSE	GU	95	93	93	93	95	95	96	97	97	96	96	94
CATACAMAS	HO	89	83	80	82	84	88	87	89	91	91	89	87
CHOLUTECA	HO	70	68	68	72	90	86	82	84	92	87	80	72
ISLAS DEL CISNE	HO	78	76	78	77	79	80	81	81	82	82	80	77
SAN PEDRO SULA	HO	96	96	94	81	90	93	93	94	93	95	97	96
TEGUCIGALPA	HO	85	82	80	80	84	87	86	87	88	89	86	86
TELA	HO	92	95	86	93	89	91	95	90	89	94	95	92
BLUEFIELDS	NK	86	86	85	81	85	87	88	88	91	91	91	89
MANAGUA	NK	87	83	83	82	88	93	90	93	94	95	93	90
PUERTO CABEZAS	NK	88	88	85	85	87	87	88	91	92	96	94	91
RIVAS	NK	82	81	81	82	88	91	88	89	91	91	89	85

TABLE B-7, Cont'd

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
DAVID	PM	87	84	84	88	94	97	97	97	97	98	97	94
FORT SHERMAN	PM	85	82	83	86	91	93	94	93	96	95	95	91
HOWARD AFB	PM	82	79	80	80	84	87	86	87	88	88	87	84
PANAMA CITY	PM	86	84	88	87	91	93	95	94	93	94	95	93
TOCUMEN	PM	86	86	85	86	93	95	94	95	95	95	96	92

1800Z		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
BELIZE INTL	BZ	72	71	68	67	66	75	72	72	75	76	71	75
LIBERIA	CS	48	45	46	47	60	70	66	68	72	72	67	57
LIMON	CS	74	75	73	73	75	78	78	78	74	75	77	76
NICOYA	CS	49	45	41	44	59	68	65	67	71	71	67	58
PUNTARENAS	CS	54	51	53	56	68	73	71	72	72	74	72	64
SAN JOSE	CS	51	49	47	49	63	69	64	65	70	71	64	54
ACAJUTLA	ES	59	60	65	64	70	71	69	71	75	70	64	60
SAN SALVADOR	ES	49	46	48	49	62	68	65	68	71	68	59	53
SANTA ANA	ES	48	45	43	44	57	65	61	63	67	63	55	52
FLORES	GU	72	68	60	54	57	66	65	66	69	70	71	72
GUATEMALA CITY	GU	52	47	44	45	52	64	61	63	65	62	59	56
HUEHUETENANGO	GU	40	37	34	35	43	57	55	56	59	59	53	44
POPTUN	GU	71	61	59	56	58	67	65	69	71	77	75	71
PUERTO BARRIOS	GU	78	77	73	70	72	73	74	76	76	76	77	78
RETALHULEU	GU	45	45	46	47	60	63	61	60	65	63	57	50
SAN JOSE	GU	53	51	54	55	66	71	67	69	73	69	63	58
CATACAMAS	HO	61	53	49	48	51	65	65	66	63	63	63	63
CHOLUTECA	HO	46	45	46	45	60	65	61	62	68	68	55	48
GUANAJA	HO	75	71	63	65	68	71	77	74	73	78	76	73
ISLAS DEL CISNE	HO	69	67	68	67	70	72	70	71	73	74	73	70
LA CEIBA	HO	79	74	74	65	65	69	68	70	73	75	78	75
PUERTO LEMPIRA	HO	76	72	73	62	68	73	75	80	79	81	81	75
SAN PEDRO SULA	HO	74	70	62	62	60	66	66	65	65	73	74	75
TEGUCIGALPA	HO	54	48	43	43	47	57	56	55	54	60	60	58
TELA	HO	7	69	67	65	66	67	67	65	68	73	77	74
BLUEFIELDS	NK	80	78	76	73	78	82	83	83	81	83	82	81
CHINANDEGA	NK	44	42	41	45	58	65	58	62	67	70	63	53
JUIGALPA	NK	54	53	50	49	54	66	64	65	65	65	64	60
MANAGUA	NK	50	45	45	45	54	66	63	65	66	68	60	54
PUERTO CABEZAS	NK	75	74	71	71	73	78	78	77	78	76	77	76
RIVAS	NK	67	63	61	60	69	78	76	75	74	77	74	71
DAVID	PM	57	54	58	62	70	73	73	73	74	76	75	65
FORT SHERMAN	PM	73	72	69	70	78	81	82	80	77	78	81	79
HOWARD AFB	PM	59	53	52	57	70	74	72	74	75	76	76	69
PANAMA CITY	PM	58	56	63	67	75	80	78	77	75	77	73	71
SANTIAGO	PM	54	50	49	54	69	72	71	71	70	72	73	64
TOCUMEN	PM	57	52	53	58	70	74	71	75	75	77	74	65

TABLE B-8 Days with Thunderstorms

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
BELIZE INTL	BZ	0	3	3	3	8	5	14	10	5	5	0	5	61
LIBERIA	CS	*	0	1	2	9	6	8	6	9	5	2	*	48
LIMON	CS	*	0	*	1	4	7	6	8	6	4	1	1	38
NICOYA	CS	*	0	1	4	9	10	9	10	12	9	2	*	66
PUNTARENAS	CS	*	0	*	2	9	8	8	9	10	7	3	1	57
SAN JOSE	CS	0	0	5	5	10	13	10	10	5	5	3	3	69
ACAJUTLA	ES	1	1	2	5	14	22	17	19	23	19	8	3	134
SANTA ANA	ES	0	0	1	2	7	9	8	12	12	8	2	1	62
SAN SALVADOR	ES	2	1	2	5	12	18	15	19	19	17	5	2	117
FLORES	GU	*	*	1	1	5	12	13	13	13	6	2	1	67
GUATEMALA CITY	GU	*	*	1	3	8	8	9	8	9	4	1	*	51
HUEHUETENANGO	GU	1	*	1	4	9	9	6	6	7	3	1	1	48
PUERTO BARRIOS	GU	0	0	5	3	5	16	12	21	12	12	3	5	93
RETALHULEU	GU	1	*	1	2	11	12	14	15	18	14	7	*	95
SAN JOSE	GU	*	0	*	2	8	10	12	11	13	12	5	1	72
CATACAMAS	HO	*	*	1	1	4	6	8	8	8	4	1	1	42
CHOLUTECA	HO	*	0	1	3	10	15	13	14	18	13	4	1	92
ISLAS DEL CISNE	HO	14	8	7	7	8	13	11	11	13	17	16	14	139
LA CEIBA	HO	0	1	1	3	4	9	6	5	4	1	3	0	39
PUERTO LEMPIRA	HO	1	*	*	2	8	14	13	16	20	14	6	3	97
SAN PEDRO SULA	HO	1	1	1	1	5	9	8	12	11	5	3	1	58
TEGUCIGALPA	HO	*	*	1	3	8	6	4	6	9	4	1	*	42
TELA	HO	2	1	*	*	5	10	10	16	16	6	2	2	70
BLUEFIELDS	NK	3	3	2	2	4	6	7	9	9	7	5	3	60
CHINANDEGA	NK	*	0	1	0	6	11	7	10	10	7	2	*	54
JUIGALPA	NK	0	0	1	1	7	8	7	8	4	1	1	4	43
MANAGUA	NK	*	*	1	1	6	6	3	6	9	9	3	*	44
PUERTO CABEZAS	NK	7	4	4	4	4	12	12	13	11	12	9	7	99
RIVAS	NK	*	*	*	1	4	11	8	13	14	11	5	1	68
CHANGUINAOLA	PM	0	0	2	7	7	7	10	10	7	8	7	2	67
DAVID	PM	0	0	4	9	9	14	10	9	8	10	8	0	81
HOWARD AFB	PM	1	*	*	4	14	16	16	17	15	16	13	5	117
JAQUE	PM	0	0	3	7	9	9	12	13	8	12	5	3	83
LA PALMA	PM	0	3	3	3	13	18	13	13	13	13	5	5	107
PANAMA CITY	PM	0	0	3	5	13	14	16	16	12	13	7	5	104
PORVENIR	PM	0	0	3	3	13	13	23	17	18	14	12	9	135
RIO HATO	PM	0	3	3	8	12	12	16	14	16	10	5	5	104
SANTIAGO	PM	0	0	3	5	8	13	8	8	8	5	3	3	64
TOCUMEN	PM	*	*	*	2	10	10	12	12	14	14	8	3	85

NOTE: AN * INDICATES THUNDERSTORMS OCCURED LESS THAN .5 DAYS A MONTH

CAUTION: REPORTS OF THUNDERSTORMS IN THE DATA ITSELF APPEARED ERRATIC AND SUSPECT AT SOME LOCATIONS

TABLE B-9 Prevailing Wind Direction and Mean Speed, Selected Times

0000Z		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
BELIZE INTL	BZ	E	E	E	E	E	E	E	E	E	E	E	E
BELIZE INTL	BZ	6	6	7	8	9	9	10	7	6	5	5	5
LIBERIA	CS	NE	NE	NE	NE	SW	W	E	E	NE	E	E	NE
LIBERIA	CS	15	17	14	19	9	9	10	9	6	8	10	12
LIMON	CS	NE	NE	NE	NE	NE	NE	NW	NE	NW	W	W	W
LIMON	CS	5	5	6	6	5	5	4	4	4	4	5	5
NICOYA	CS	NE	NE	NE	NE	SW	NE	NE	NE	E	SW	NE	NE
NICOYA	CS	10	10	9	9	7	7	6	6	5	5	7	8
PUNTARENAS	CS	S	S	S	S	S	S	SE	E	S	S	SE	S
PUNTARENAS	CS	6	6	5	5	5	5	5	5	5	5	5	5
SAN JOSE	CS	E	E	E	E	E	E	E	W	W	W	E	E
SAN JOSE	CS	18	19	17	16	12	8	11	10	8	6	10	16
ACAJUTLA	ES	S	SW	SW	S	S	W	SW	W	W	W	W	W
ACAJUTLA	ES	4	5	5	5	5	6	4	5	7	5	4	4
SAN SALVADOR	ES	S	S	S	S	S	S	S	S	S	S	N	N
SAN SALVADOR	ES	6	8	9	9	7	5	5	5	5	5	6	6
SANTA ANA	ES	W	N	W	W	W	W	NW	W	W	W	N	N
SANTA ANA	ES	5	5	5	4	4	3	3	3	3	2	3	3
FLORES	GU	E	N	E	E	E	E	E	E	E	NE	N	NE
FLORES	GU	7	6	7	8	7	7	7	7	7	6	7	6
GUATEMALA CITY	GU	N	N	S	S	S	N	N	N	S	N	N	N
GUATEMALA CITY	GU	14	13	10	12	8	9	9	10	8	9	11	12
HUEHUETENANGO	GU	SE	E	E	E	E	E	E	E	E	E	SE	E
HUEHUETENANGO	GU	11	11	11	11	9	10	10	9	8	8	9	8
POPTUN	GU	E	E	E	E	E	E	E	E	E	NE	N	E
POPTUN	GU	7	7	7	7	7	8	8	9	5	10	11	6
PUERTO BARRIOS	GU	NE	NE	NE	NE	NE	NE	NE	NE	N	N	N	N
PUERTO BARRIOS	GU	6	6	6	7	7	8	7	7	7	6	8	8
RETALHULEU	GU	SW	SW	SW	SW	S	N	W	SW	N	SW	SW	SW
RETALHULEU	GU	5	7	8	7	6	7	7	7	7	5	5	5
SAN JOSE	GU	SW	SW	SW	SW	SW	SW	SW	W	N	N	W	SW
SAN JOSE	GU	6	6	7	7	7	7	6	6	7	7	5	5
CATACAMAS	HO	NE	E	E	E	E	E	E	NE	E	N	N	N
CATACAMAS	HO	6	6	6	7	7	5	6	6	5	5	6	6
CHOLUTECA	HO	NE	NE	W	W	W	NE	NE	E	S	SE	NE	NE
CHOLUTECA	HO	10	9	6	6	5	4	4	5	4	3	5	8
GUANAJA	HO	E	E	E	E	NE	E	NE	E	E	E	E	NE
GUANAJA	HO	10	14	16	13	17	16	13	14	12	11	10	12
ISLAS DEL CISNE	HO	E	E	E	E	E	E	E	E	E	E	E	E
ISLAS DEL CISNE	HO	9	9	10	10	10	10	10	8	9	7	9	9
LA CEIBA	HO	E	NE	NE	NE	N	NE	NE	NE	NE	NE	S	NE
LA CEIBA	HO	5	7	8	9	8	9	10	9	7	5	5	5
PUERTO LEMPIRA	HO	E	E	E	E	E	E	E	E	E	NE	NE	E
PUERTO LEMPIRA	HO	8	8	8	8	8	8	7	7	6	7	9	7
SAN PEDRO SULA	HO	N	N	N	N	N	N	N	N	N	N	N	N
SAN PEDRO SULA	HO	7	8	11	9	9	9	9	8	7	7	7	6
TEGUCIGALPA	HO	N	NE	NE	NE	NE	NE	NE	NE	NE	N	N	N
TEGUCIGALPA	HO	9	11	9	10	8	7	9	8	8	8	8	9
TELA	HO	E	E	NE	E	NE	E	NE	E	E	E	E	NE
TELA	HO	6	6	6	7	7	8	9	7	5	5	6	5

TABLE B-9, Cont'd

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
BLUEFIELDS	NK	NE	E	E	E	E	E	NE	E	E	NE	N	E
BLUEFIELDS	NK	8	8	9	8	7	6	8	7	7	6	6	7
CHINANDEGA	NK	NE	SW	SW	SW	SW	E	E	SW	SE	SW	SW	NE
CHINANDEGA	NK	7	6	8	7	6	7	7	5	6	4	4	10
JUIGALPA	NK	N	N	N	N	N	N	N	N	N	N	N	N
JUIGALPA	NK	8	9	8	9	7	6	7	8	7	5	7	8
MANAGUA	NK	E	E	E	E	E	E	E	E	E	E	E	E
MANAGUA	NK	7	8	7	8	8	6	5	5	4	4	3	5
PUERTO CABEZAS	NK	NE	NE	E	E	E	E	E	NE	E	NE	N	NE
PUERTO CABEZAS	NK	11	11	11	12	11	11	12	10	9	8	8	10
RIVAS	NK	E	E	E	E	E	E	E	E	E	E	E	E
RIVAS	NK	9	9	7	7	5	7	7	6	7	7	8	8
BOCAS DEL TORO INTL	PM	N	N	N	N	N	N	N	NW	N	NW	N	NW
BOCAS DEL TORO INTL	PM	6	7	6	7	6	5	6	5	5	7	6	6
CHANGUINOLA INTL	PM	N	N	N	N	N	N	N	NW	N	W	NW	NW
CHANGUINOLA INTL	PM	5	4	5	5	5	4	4	5	4	3	4	5
DAVID	PM	SW	NE	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
DAVID	PM	8	10	9	8	8	7	6	6	7	7	7	7
HOWARD AFB	PM	N	N	N	N	NW	NW	NW	NW	NW	NW	NW	NW
HOWARD AFB	PM	7	7	8	8	6	5	6	6	5	6	6	6
LA PALMA	PM	N	N	N	N	SW	SW	NW	SW	SW	W	SW	SW
LA PALMA	PM	7	7	7	7	7	6	6	6	6	6	6	6
PANAMA CITY	PM	N	N	N	N	NW	NW	NW	NW	NW	NW	NW	NW
PANAMA CITY	PM	10	11	11	11	11	8	9	8	8	8	8	8
PORVENIR	PM	N	N	N	N	N	NW	N	W	NW	SW	NW	N
PORVENIR	PM	13	13	12	11	8	7	8	8	8	9	8	11
RIO HATO	PM	NW	NW	NW	NW	NW	NW	NW	NW	NW	W	NW	NW
RIO HATO	PM	13	14	15	15	10	7	9	7	6	6	7	9
SANTIAGO	PM	N	N	N	N	SW	SW	SW	SW	SW	SW	SW	N
SANTIAGO	PM	11	13	14	12	8	8	7	7	7	6	7	8
TOCUMEN	PM	NE	NE	NE	NE	NE	NW	NW	NW	SW	NW	NW	NW
TOCUMEN	PM	9	9	10	9	7	6	7	7	7	6	8	7

0600Z		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
BELIZE INTL	BZ	E	E	E	SE	E	E	E	E	E	E	N	E
BELIZE INTL	BZ	5	6	5	6	6	7	9	6	7	5	5	6
SAN JOSE	CS	E	E	E	E	NE	NE	NE	NE	NE	NE	NE	E
SAN JOSE	CS	18	18	16	14	8	9	11	9	8	7	9	14
ACAJUTLA	ES	N	N	N	N	N	NE	N	N	N	N	NE	N
ACAJUTLA	ES	5	5	5	4	4	5	5	5	4	4	5	5
SAN SALVADOR	ES	N	N	N	N	N	N	N	N	N	N	N	N
SAN SALVADOR	ES	7	5	5	5	4	4	4	4	4	4	6	6

TABLE B-9, Cont'd

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
GUATEMALA CITY	GU	N	N	N	N	N	N	N	N	N	N	N	N
GUATEMALA CITY	GU	10	10	9	9	7	7	9	8	7	8	9	9
HUEHUETENANGO	GU	SE	E	E	E	E	SE	E	E	S	SE	S	SE
HUEHUETENANGO	GU	5	6	5	6	6	6	7	6	5	5	5	4
PUERTO BARRIOS	GU	W	W	E	N	N	E	S	E	E	NW	W	W
PUERTO BARRIOS	GU	6	10	5	6	5	7	6	7	6	10	10	10
SAN JOSE	GU	N	N	N	N	N	N	N	N	N	N	N	N
SAN JOSE	GU	6	7	9	5	6	7	6	8	8	7	4	4
CATACAMAS	HO	N	N	NW	N	N	N	N	NW	N	N	NW	N
CATACAMAS	HO	4	4	5	6	4	4	4	5	5	4	4	3
CHOLUTECA	HO	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
CHOLUTECA	HO	10	10	8	7	3	6	7	6	5	5	6	8
ISLAS DEL CISNE	HO	E	E	E	E	E	E	E	E	E	E	E	E
ISLAS DEL CISNE	HO	9	9	10	10	10	10	9	8	10	8	9	9
SAN PEDRO SULA	HO	S	N	N	N	N	N	NE	NE	S	S	SW	S
SAN PEDRO SULA	HO	6	4	5	4	5	5	4	5	5	5	4	4
TEGUCIGALPA	HO	N	N	SW	N	SE	N	NW	SW	S	NW	N	N
TEGUCIGALPA	HO	7	8	6	8	5	5	6	5	6	6	7	8
TELA	HO	E	E	E	E	E	E	E	E	E	S	S	SW
TELA	HO	7	6	6	6	4	6	5	5	4	5	5	4
MANAGUA	NK	E	E	E	E	E	E	E	E	SE	SE	E	E
MANAGUA	NK	5	4	5	6	5	4	4	3	3	3	3	3
HOWARD AFB	PM	N	N	N	N	N	NW	N	N	NW	NW	NW	NW
HOWARD AFB	PM	6	6	6	6	4	5	4	4	4	5	5	5
TOCUMEN	PM	NE	NE	NW	N	N	NE	NW	NW	NW	NE	NW	NW
TOCUMEN	PM	6	7	6	6	5	6	5	5	5	5	6	5

1200Z		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
BELIZE INTL	BZ	W	E	SE	E	E	E	E	E	E	NW	NW	N
BELIZE INTL	BZ	6	5	6	6	6	6	6	5	4	4	5	6
LIMON	CS	W	W	SW	W	W	W	W	W	W	W	W	W
LIMON	CS	4	4	4	4	4	4	4	4	4	4	4	4
NICOYA	CS	NE	NE	NE	NE	N	NE	NE	NE	N	NE	NE	NE
NICOYA	CS	8	8	8	7	8	4	7	7	7	8	9	8
PUNTARENAS	CS	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
PUNTARENAS	CS	5	6	6	5	3	4	4	3	3	4	5	6
SAN JOSE	CS	E	E	E	E	NE	NE	NE	NE	NE	NE	E	E
SAN JOSE	CS	17	16	16	15	9	9	11	9	9	7	10	13
ACAJUTLA	ES	NE	NE	NE	NE	NE	NE	N	N	NE	NE	N	N
ACAJUTLA	ES	5	5	5	5	4	4	5	4	5	4	5	5
SAN SALVADOR	ES	N	N	N	N	N	N	N	N	N	N	N	N
SAN SALVADOR	ES	7	7	5	4	3	3	4	4	3	5	6	6
SANTA ANA	ES	W	W	W	W	W	W	SW	W	NW	W	W	W
SANTA ANA	ES	2	2	2	1	1	1	2	2	1	2	2	2

TABLE B-9, Cont'd

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
FLORES	GU	N	N	N	SE	E	S	SE	SE	E	E	N	N
FLORES	GU	8	6	6	6	4	6	5	5	6	5	5	6
GUATEMALA CITY	GU	N	N	N	N	N	E	N	N	N	N	N	N
GUATEMALA CITY	GU	9	9	8	8	6	7	8	7	7	7	9	9
HUEHUETENANGO	GU	E	SE	S	NW	N	N	SE	SE	S	SE	S	SE
HUEHUETENANGO	GU	5	4	4	6	4	5	6	5	6	5	5	6
POPTUN	GU	NE	E	E	E	E	SE	E	E	NE	N	N	N
POPTUN	GU	7	8	7	9	7	9	8	10	8	5	7	5
PUERTO BARRIOS	GU	W	W	W	SE	SE	W	SW	W	W	W	W	W
PUERTO BARRIOS	GU	10	9	7	7	6	8	6	7	6	7	8	10
RETALHULEU	GU	N	N	N	N	N	N	N	N	N	N	N	N
RETALHULEU	GU	5	5	5	5	4	6	5	5	5	6	5	5
SAN JOSE	GU	N	N	N	N	N	NW	N	NE	N	N	N	N
SAN JOSE	GU	4	5	5	6	4	5	6	6	6	5	4	5
CATACAMAS	HO	E	NW	NW	NW	N	N	NE	NW	NE	NW	NW	N
CATACAMAS	HO	5	4	4	3	3	4	4	3	3	4	4	4
CHOLUTECA	HO	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
CHOLUTECA	HO	9	9	6	7	4	4	5	4	3	4	7	9
ISLAS DEL CISNE	HO	E	E	E	E	E	E	E	E	E	E	NE	E
ISLAS DEL CISNE	HO	9	9	11	9	10	10	9	8	8	7	9	9
SAN PEDRO SULA	HO	S	SW	S	S	S	S	S	SW	S	S	S	S
SAN PEDRO SULA	HO	5	6	4	4	7	6	3	5	5	4	4	6
TEGUCIGALPA	HO	N	N	N	N	S	N	N	N	SE	N	NW	N
TEGUCIGALPA	HO	7	8	6	6	4	5	6	6	5	6	7	8
TELA	HO	S	S	S	W	S	E	E	NE	SW	W	SW	W
TELA	HO	4	4	3	3	3	3	5	3	4	4	3	5
BLUEFIELDS	NK	NW	N	E	N	NW	NW	N	N	W	W	NW	N
BLUEFIELDS	NK	7	4	8	6	4	5	6	5	4	4	5	5
MANAGUA	NK	E	E	E	E	E	SE	E	E	E	SE	SE	E
MANAGUA	NK	5	4	4	3	2	2	3	3	3	4	7	3
PUERTO CABEZAS	NK	NW	NW	E	E	E	E	NE	NE	NW	NW	NW	N
PUERTO CABEZAS	NK	8	6	10	9	11	11	13	9	6	5	6	6
RIVAS	NK	E	E	E	E	E	E	E	E	E	E	E	E
RIVAS	NK	10	10	8	9	5	7	9	7	5	5	6	8
BOCAS DEL TORO INTL	PM	W	W	W	W	W	W	W	W	W	SW	W	W
BOCAS DEL TORO INTL	PM	7	7	6	7	5	7	6	6	6	5	8	7
CHANGUINOLA INTL	PM	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
CHANGUINOLA INTL	PM	5	5	4	4	4	4	5	3	3	3	4	4
DAVID	PM	NE	NE	NE	N	NE	N	NE	NE	N	NE	N	N
DAVID	PM	8	9	7	7	6	5	5	5	6	5	5	5
FORT SHERMAN	PM	NE	NE	NE	NE	NE	NE	NE	SW	SE	SE	W	NE
FORT SHERMAN	PM	7	4	4	5	3	3	4	3	3	3	4	4
HOWARD AFB	PM	N	N	N	N	N	N	NW	N	NW	N	NW	NW
HOWARD AFB	PM	5	5	5	5	4	3	4	4	5	3	4	5
PANAMA CITY	PM	NW	NW	NW	NW	NW	NW	NW	NW	W	NW	NW	NW
PANAMA CITY	PM	8	7	8	8	7	6	6	6	7	6	6	6
PORVENIR	PM	N	N	N	N	N	SW	W	SW	SW	SW	SW	N
PORVENIR	PM	14	13	13	13	10	9	8	7	9	9	8	14
RIO HATO	PM	NW	NW	NW	NW	NW	NW	NW	W	NW	W	NW	NW
RIO HATO	PM	7	8	6	7	7	5	7	5	5	5	6	7
SANTIAGO	PM	NE	NE	NE	NE	SW	SW	W	NW	W	NW	NW	NE
SANTIAGO	PM	9	7	8	7	6	5	5	5	6	5	5	6
TOCUMEN	PM	N	N	NW	NW	NE	NE	NW	NE	NE	E	NW	NW
TOCUMEN	PM	6	6	6	6	5	6	5	5	6	5	5	5

TABLE B-9, Cont'd

1800Z		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
BELIZE INTL	BZ	E	E	E	E	E	E	E	E	E	E	NE	NE
BELIZE INTL	BZ	9	9	9	11	10	11	11	10	8	9	9	8
LIBERIA	CS	NE	NE	E	E	E	E	E	E	E	E	E	E
LIBERIA	CS	19	16	18	17	12	12	11	12	9	9	9	17
LIMON	CS	E	NE	E	NE	NE	N	N	N	NE	N	N	NE
LIMON	CS	7	6	7	8	6	6	6	7	7	7	6	7
NICOYA	CS	NE	NE	NE	NE	NE	NE	NE	NE	N	NE	NE	NE
NICOYA	CS	11	10	10	10	7	6	7	6	6	6	7	9
PUNTARENAS	CS	S	SW	S	S	S	S	S	S	S	S	S	S
PUNTARENAS	CS	7	6	6	5	6	5	6	5	5	5	4	4
SAN JOSE	CS	E	E	E	E	SW	SW	SE	SW	SW	SW	SE	E
SAN JOSE	CS	21	21	20	20	11	12	15	13	12	10	14	18
ACAJUTLA	ES	S	S	S	S	S	S	S	S	S	S	S	S
ACAJUTLA	ES	7	9	8	8	7	7	6	6	6	6	6	8
SAN SALVADOR	ES	N	N	N	N	S	N	N	N	N	N	N	N
SAN SALVADOR	ES	9	10	7	6	5	4	5	5	4	6	9	9
SANTA ANA	ES	N	N	N	NE	E	N	N	NE	NE	N	N	N
SANTA ANA	ES	5	7	3	3	1	2	5	2	2	3	5	6
FLORES	GU	N	N	E	E	N	N	E	N	N	N	N	N
FLORES	GU	6	6	9	6	6	6	6	5	5	5	6	6
GUATEMALA CITY	GU	N	N	N	N	S	N	N	N	N	N	N	N
GUATEMALA CITY	GU	13	13	11	11	10	10	11	10	9	11	12	14
HUEHUETENANGO	GU	SE	E	E	E	E	E	E	E	E	E	SE	S
HUEHUETENANGO	GU	9	9	9	8	7	10	10	10	9	8	8	8
POPTUN	GU	E	E	E	E	E	E	E	E	E	N	N	E
POPTUN	GU	10	10	12	10	8	10	8	8	9	7	6	8
PUERTO BARRIOS	GU	N	N	N	N	N	N	N	N	N	N	N	N
PUERTO BARRIOS	GU	8	8	9	10	9	8	8	8	8	7	8	8
RETALHULEU	GU	SW	SW	S	SW	S	S	SW	SW	S	SW	SW	S
RETALHULEU	GU	6	7	6	6	5	7	5	6	6	6	6	6
SAN JOSE	GU	S	S	S	S	S	S	S	S	S	S	S	S
SAN JOSE	GU	8	9	10	9	8	8	7	7	7	7	7	8
CATACAMAS	HO	E	E	E	E	E	E	E	E	E	E	E	E
CATACAMAS	HO	7	7	8	8	5	6	7	6	5	5	5	6
CHOLUTECA	HO	N	NE	N	NE	S	NE	NE	NE	S	S	NE	NE
CHOLUTECA	HO	11	11	8	10	3	6	6	6	4	5	9	12
GUANAJA	HO	E	E	E	E	E	E	E	N	E	NE	E	NE
GUANAJA	HO	12	10	14	8	9	10	9	9	7	9	8	10
ISLAS DEL CISNE	HO	E	E	E	E	E	E	E	E	E	E	E	E
ISLAS DEL CISNE	HO	11	11	13	13	13	12	11	11	10	9	11	11
LA CEIBA	HO	N	N	N	N	N	N	NE	N	N	N	NW	N
LA CEIBA	HO	6	7	7	8	7	9	8	8	7	7	6	6
PUERTO LEMPIRA	HO	E	E	E	E	E	E	E	NE	E	N	N	NE
PUERTO LIMPIRA	HO	8	8	7	8	6	7	7	6	6	7	8	7
SAN PEDRO SULA	HO	N	N	N	N	N	N	N	N	N	N	N	N
SAN PEDRO SULA	HO	8	6	7	7	5	6	6	6	6	6	6	6
TEGUCIGALPA	HO	N	N	N	N	N	N	N	N	N	N	N	N
TEGUCIGALPA	HO	10	11	10	9	8	8	9	8	8	9	11	11
TELA	HO	N	N	N	N	N	N	N	N	N	N	N	N
TELA	HO	5	6	7	8	7	8	7	6	6	6	6	7

TABLE B-9, Cont'd

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
BLUEFIELDS	NK	NE	NE	E	E	E	E	NE	NE	E	NE	N	N
BLUEFIELDS	NK	8	8	9	9	7	7	9	9	6	6	8	11
CHINANDEGA	NK	NE	NE	E	NE	SW	N	NE	NE	N	N	N	NE
CHINANDEGA	NK	11	10	10	7	7	6	7	5	5	4	6	11
JUIGALPA	NK	N	N	N	NE	N	N	N	N	N	N	N	N
JUIGALPA	NK	11	10	9	9	7	8	9	9	7	7	9	10
MANAGUA	NK	E	E	E	E	E	E	E	E	E	E	E	E
MANAGUA	NK	11	11	10	10	8	7	8	7	6	5	7	9
PUERTO CABEZAS	NK	NE	NE	E	E	E	E	E	E	E	NE	NE	NE
PUERTO CABEZAS	NK	12	11	11	12	11	12	13	11	10	9	13	13
RIVAS	NK	E	E	E	E	E	E	E	E	E	E	E	E
RIVAS	NK	11	12	10	9	7	8	9	9	7	7	8	12
BOCAS DEL TORO INTL	PM	W	N	N	N	N	N	N	N	N	N	W	W
BOCAS DEL TORO INTL	PM	7	7	7	8	7	7	7	7	7	7	8	8
CHANGUINOLA INTL	PM	N	N	N	N	N	N	N	N	NW	N	NW	N
CHANGUINOLA INTL	PM	6	6	6	7	7	6	6	7	7	7	6	6
DAVID	PM	S	S	S	S	S	S	S	SW	S	SW	S	S
DAVID	PM	10	13	11	10	9	8	8	8	8	8	7	8
FORT SHERMAN	PM	NE	NE	NE	NE	NE	W	NW	SW	W	W	W	NE
FORT SHERMAN	PM	8	7	7	6	5	4	5	4	3	3	4	6
HOWARD AFB	PM	N	N	N	N	S	S	NW	S	S	S	S	N
HOWARD AFB	PM	10	11	11	10	7	6	6	6	6	7	7	7
JAQUE	PM	SW	SW	SW	SW	S	SW	S	S	SW	S	S	S
JAQUE	PM	7	7	6	6	7	6	6	7	6	6	6	6
LA PALMA	PM	N	N	N	N	N	SW	W	NW	SW	SW	SW	N
LA PALMA	PM	7	7	7	5	5	5	5	5	6	6	6	6
PANAMA CITY	PM	N	N	N	N	S	S	S	S	S	S	S	S
PANAMA CITY	PM	11	12	11	10	9	8	8	8	9	9	8	9
PORVENIR	PM	N	N	N	N	N	N	N	N	N	NW	N	N
PORVENIR	PM	14	13	12	11	8	8	8	7	7	8	9	12
RIO HATO	PM	NW	NW	NW	SE	SE	SE	SE	SE	SE	S	S	SE
RIO HATO	PM	13	14	12	10	8	8	8	7	7	7	8	9
SANTIAGO	PM	N	N	N	N	SW	SW	S	SW	SW	SW	SW	N
SANTIAGO	PM	12	11	12	11	8	7	7	7	7	8	7	8
TOCUMEN	PM	NE	NE	NE	NE	S	S	SW	S	S	S	S	NE
TOCUMEN	PM	13	13	13	12	9	7	8	7	8	8	8	10

TABLE B-10 Calm Winds: Percent Frequency of Occurrence, Selected Times

0000Z		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
BELIZE INTL	BZ	26	9	8	12	12	12	7	43	17	31	36	30
LIBERIA	CS	19	7	13	20	57	70	41	71	87	82	72	48
LIMON	CS	27	23	20	26	31	32	21	29	41	42	36	38
NICOYA	CS	34	11	17	23	67	89	79	84	94	93	81	52
PUNTARENAS	CS	52	37	46	39	54	51	64	58	54	62	52	54
SAN JOSE	CS	4	4	12	15	21	25	12	21	20	27	20	5
ACAJUTLA	ES	15	9	22	8	13	18	25	13	13	12	11	18
SAN SALVADOR	ES	12	0	*	*	5	6	11	14	13	11	7	9
SANTA ANA	ES	24	12	8	9	30	39	42	45	30	42	32	28
FLORES	GU	76	68	49	41	56	70	75	77	78	73	77	77
GUATEMALA CITY	GU	4	*	5	9	9	16	16	21	21	16	8	6
HUEHUETENANGO	GU	18	23	19	24	45	53	24	38	63	69	50	36
POPTUN	GU	85	60	48	42	66	50	52	69	85	92	96	90
PUERTO BARRIOS	GU	46	40	24	20	32	26	24	33	58	63	62	57
RETALHULEU	GU	25	13	19	46	40	47	46	51	63	46	66	43
SAN JOSE	GU	53	31	21	27	28	36	25	34	37	55	70	70
CATACAMAS	HO	53	20	20	29	19	30	24	42	43	41	33	39
CHOLUTECA	HO	8	5	6	11	11	21	19	21	26	29	20	13
GUANAJA	HO	31	11	*	14	17	11	*	5	9	32	46	43
ISLAS DEL CISNE	HO	0	0	0	0	0	0	0	0	*	2	2	*
LA CEIBA	HO	25	22	16	18	15	13	16	10	27	28	36	44
PUERTO LEMPIRA	HO	8	6	0	10	9	13	5	9	13	15	13	13
SAN PEDRO SULA	HO	21	17	16	18	11	21	15	22	20	26	29	24
TEGUCIGALPA	HO	6	0	0	7	5	7	6	8	9	10	6	8
TELA	HO	27	21	12	14	12	18	20	10	22	33	44	32
BLUEFIELDS	NK	19	5	4	4	7	26	10	15	28	21	23	15
CHINANDEGA	NK	22	15	6	17	11	24	27	34	34	43	52	64
JUIGALPA	NK	5	4	11	0	16	16	17	31	31	14	16	8
MANAGUA	NK	5	6	8	9	16	28	16	28	34	43	41	23
PUERTO CABEZAS	NK	11	8	0	0	*	8	6	10	10	11	6	9
RIVAS	NK	21	17	20	30	51	57	31	48	61	67	52	34
BOCAS DEL TORO INTL	PM	13	20	17	17	21	20	21	23	37	40	23	24
CHANGUINOLA INTL	PM	39	24	16	26	31	30	29	31	45	47	48	43
DAVID	PM	22	9	18	23	24	33	36	31	38	42	29	32
HOWARD AFB	PM	6	3	6	12	27	21	19	26	33	35	28	12
LA PALMA	PM	23	11	12	27	26	27	25	22	31	27	26	29
PANAMA CITY	PM	10	11	8	8	23	27	17	24	26	36	28	19
PORVENIR	PM	0	4	5	4	8	12	6	6	5	7	8	6
RIO HATO	PM	39	8	7	9	27	30	26	32	39	44	42	26
SANTIAGO	PM	7	10	13	16	27	23	27	35	30	23	26	25
TOCUMEN	PM	25	14	11	16	37	40	34	38	42	43	47	32

0600Z		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
BELIZE INTL	BZ	39	31	34	23	25	34	29	34	41	44	52	37
SAN JOSE	CS	6	5	6	10	16	18	15	15	29	30	18	6

TABLE B-10, Cont'd

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ACAJUTLA	ES	9	10	10	11	9	16	10	9	9	13	6	5
SAN SALVADOR	ES	26	25	43	28	22	23	24	21	27	24	20	18
GUATEMALA CITY	GU	14	17	29	22	40	32	21	21	37	17	11	12
HUEHUETENANGO	GU	42	50	39	40	64	69	52	62	83	83	70	53
PUERTO BARRIOS	GU	51	45	44	33	46	43	38	46	58	62	60	62
SAN JOSE	GU	64	60	60	49	50	58	55	58	57	73	77	80
CATACAMAS	HO	54	29	28	26	32	53	48	46	49	51	35	49
CHOLUTECA	HO	35	33	55	50	57	80	33	39	56	46	36	27
ISLAS DEL CISNE	HO	0	*	*	*	0	0	0	0	*	2	4	2
SAN PEDRO SULA	HO	68	65	61	64	41	42	58	57	62	61	57	62
TEGUCIGALPA	HO	23	16	17	14	28	34	33	35	38	35	26	28
TELA	HO	68	61	60	47	52	54	47	40	70	68	70	59
MANAGUA	NK	59	42	28	23	53	80	80	85	89	93	95	74
HOWARD AFB	PM	7	6	12	18	47	46	34	39	48	54	46	23
TOCUMEN	PM	77	60	57	52	73	56	60	58	64	57	57	66

1200Z		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
BELIZE INTL	BZ	49	40	40	48	40	30	38	46	60	59	41	49
LIMON	CS	28	22	13	16	24	22	18	24	30	35	28	23
NICOYA	CS	77	53	70	64	94	96	87	96	98	99	89	74
PUNTARENAS	CS	88	78	88	84	80	80	86	85	88	91	89	81
SAN JOSE	CS	4	4	4	8	13	9	10	8	13	13	10	4
ACAJUTLA	ES	8	8	12	14	10	19	31	13	11	18	6	7
SAN SALVADOR	ES	12	20	43	26	31	26	23	17	28	14	9	10
SANTA ANA	ES	54	58	58	60	78	76	64	58	83	61	42	37
FLORES	GU	89	88	83	85	93	96	97	97	94	90	88	92
GUATEMALA CITY	GU	19	24	36	35	51	36	21	23	26	17	14	20
HUEHUETENANGO	GU	96	98	99	98	98	97	96	99	97	97	98	95
POPTUN	GU	93	73	82	64	82	88	93	99	91	98	97	82
PUERTO BARRIOS	GU	46	49	58	63	68	65	62	69	58	48	47	57
RETALHULEU	GU	57	60	72	82	88	77	70	78	91	81	86	48
SAN JOSE	GU	81	92	91	90	86	76	86	81	84	88	85	89
CATACAMAS	HO	76	51	52	45	65	78	60	56	55	52	54	62
ISLAS DEL CISNE	HO	0	0	0	*	0	0	0	0	5	3	4	*
SAN PEDRO SULA	HO	78	72	80	78	71	80	82	82	79	75	73	76
TEGUCIGALPA	HO	35	34	31	34	49	47	43	45	61	43	26	32
TELA	HO	83	78	82	79	84	78	84	89	82	72	76	79
BLUEFIELDS	NK	31	14	14	0	25	33	37	29	33	22	23	21
MANAGUA	NK	68	71	68	71	86	87	86	91	93	98	96	84
PUERTO CABEZAS	NK	6	8	17	25	5	0	6	*	17	7	6	*
RIVAS	NK	21	12	21	27	60	61	38	56	70	79	55	35

TABLE B-10, Cont'd

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
BOCAS DEL TORO INTL	PM	41	39	54	45	56	52	49	57	63	76	51	39
CHANGUINOLA INTL	PM	60	50	41	73	57	52	52	50	55	68	63	52
DAVID	PM	65	60	68	60	77	65	75	81	84	86	86	80
FORT SHERMAN	PM	30	17	17	20	43	55	42	52	51	46	42	32
HOWARD AFB	PM	18	9	17	25	48	51	41	51	54	54	48	44
PANAMA CITY	PM	46	40	45	53	65	65	64	71	76	70	59	59
PORVENIR	PM	0	0	3	3	2	3	0	5	4	3	5	1
RIO HATO	PM	67	56	53	44	45	38	39	37	46	50	33	27
SANTIAGO	PM	69	89	70	83	80	73	77	84	80	69	88	91
TOCUMEN	PM	71	59	62	62	61	59	60	58	58	55	62	66

1800Z		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
BELIZE INTL	BZ	9	13	0	9	14	11	7	10	13	11	8	14
LIBERIA	CS	15	8	15	21	44	52	27	38	60	50	28	32
LIMON	CS	5	13	13	8	10	9	5	9	17	15	6	5
NICOYA	CS	26	16	12	16	48	52	50	47	63	56	35	25
PUNTARENAS	CS	21	8	3	8	16	26	30	27	22	21	26	30
SAN JOSE	CS	0	1	0	*	*	2	2	0	*	2	1	0
ACAJUTLA	ES	0	1	0	*	2	3	2	2	1	2	1	1
SAN SALVADOR	ES	4	4	3	5	8	6	10	7	13	4	5	*
SANTA ANA	ES	29	32	27	31	41	48	40	29	38	31	19	25
FLORES	GU	38	38	20	2[illegible]	40	50	50	47	50	49	50	50
GUATEMALA CITY	GU	7	13	12	11	11	13	6	8	10	5	6	7
HUEHUETENANGO	GU	38	53	47	49	71	51	31	31	52	60	52	48
POPTUN	GU	30	22	51	25	54	50	28	28	36	43	53	46
PUERTO BARRIOS	GU	8	8	3	4	5	7	9	7	7	9	12	12
RETALHULEU	GU	59	30	44	45	59	41	18	24	21	30	21	40
SAN JOSE	GU	11	0	4	4	8	10	9	12	22	11	19	7
CATACAMAS	HO	41	24	18	19	27	34	20	30	35	39	36	38
CHOLUTECA	HO	30	11	16	36	17	18	10	16	17	20	13	6
GUANAJA	HO	25	19	11	7	20	6	14	23	27	32	42	17
ISLAS DEL CISNE	HO	0	0	0	0	0	0	0	0	*	0	*	0
LA CEIBA	HO	13	13	9	5	6	10	14	10	8	16	15	13
PUERTO LEMPIRA	HO	8	7	10	8	*	8	7	12	12	10	8	6
SAN PEDRO SULA	HO	47	40	36	33	35	43	34	42	36	41	38	47
TEGUCIGALPA	HO	4	5	5	6	6	7	4	6	7	8	0	6
TELA	HO	10	12	10	15	*	12	6	10	14	12	13	14
BLUEFIELDS	NK	15	4	4	8	9	8	16	13	14	14	7	6
CHINANDEGA	NK	7	5	6	30	11	22	22	23	21	16	*	11
JUIGALPA	NK	*	1	1	1	15	10	2	3	5	1	1	*
MANAGUA	NK	0	*	*	5	14	11	3	7	10	19	7	*
PUERTO CABEZAS	NK	1	4	*	1	0	2	3	5	5	7	3	2
RIVAS	NK	4	4	6	13	28	29	7	19	30	30	22	6

TABLE B-10, Cont'd

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
BOCAS DEL TORO INTL	PM	10	8	11	9	12	15	12	17	12	7	17	8
CHANGUINOLA INTL	PM	34	8	15	7	9	17	18	13	14	8	7	8
DAVID	PM	9	6	7	14	13	18	20	16	18	19	9	13
FORT SHERMAN	PM	1	*	*	1	11	14	10	9	7	8	7	5
HOWARD AFB	PM	13	3	0	7	4	7	6	8	5	12	7	6
JAQUE	PM	25	22	23	20	31	21	30	31	29	22	27	31
LA PALMA	PM	15	14	10	23	23	21	24	19	17	19	20	25
PANAMA CITY	PM	5	8	4	6	9	11	11	17	8	12	9	9
PORVENIR	PM	1	*	2	*	8	10	10	12	13	13	8	3
RIO HATO	PM	5	5	6	4	6	7	9	8	8	9	6	9
SANTIAGO	PM	10	7	7	18	26	16	21	18	17	13	18	18
TOCUMEN	PM	10	5	8	7	11	16	13	14	10	14	16	9

NOTE: AN * DENOTES AN OCCURRENCE OF LESS THAN .5 %

TABLE B-11 Ceilings ≥ 3,000 ft: Percent Frequency of Occurrence, Selected Times

0000Z		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
BELIZE INTL	BZ	91	94	89	88	93	87	93	93	95	93	91	84
LIBERIA	CS	100	100	99	99	89	96	89	89	92	87	98	96
LIMON	CS	80	60	78	78	72	84	81	88	88	86	79	82
NICOYA	CS	98	97	96	89	83	85	88	83	81	73	84	96
PUNTARENAS	CS	97	99	100	98	88	88	94	89	90	84	88	97
SAN JOSE	CS	98	99	99	95	87	79	91	79	74	62	75	91
ACAJUTLA	ES	100	100	100	100	99	98	98	100	95	98	99	100
SAN SALVADOR	ES	100	100	100	97	96	92	95	98	95	95	100	100
SANTA ANA	ES	100	100	100	99	99	93	100	99	99	98	99	100
FLORES	GU	77	87	88	94	92	88	93	95	81	81	82	78
GUATEMALA CITY	GU	87	87	81	80	71	68	81	71	62	70	83	84
HUEHUETENANGO	GU	92	88	81	81	67	67	79	78	68	73	74	91
POPTUN	GU	90	89	90	93	91	94	93	94	79	74	62	81
PUERTO BARRIOS	GU	77	76	87	79	89	72	62	76	83	79	71	75
RETALHULEU	GU	87	82	73	89	71	73	77	69	72	67	91	90
SAN JOSE	GU	100	98	98	92	88	79	85	81	75	76	92	96
CATACAMAS	HO	97	98	99	97	96	91	92	97	94	94	95	95
CHOLUTECA	HO	100	100	99	100	96	96	97	97	92	92	98	97
GUANAJA	HO	91	88	98	91	89	75	84	100	92	94	84	88
ISLAS DEL CISNE	HO	93	94	95	96	98	94	95	95	89	92	94	92
LA CEIBA	HO	82	75	91	88	94	81	86	88	86	81	80	78
PUERTO LEMPIRA	HO	93	93	94	94	99	86	82	83	92	89	87	90
SAN PEDRO SULA	HO	84	90	95	95	97	89	92	95	94	94	93	89
TEGUCIGALPA	HO	86	92	96	99	96	81	91	91	85	82	86	80
TELA	HO	78	77	89	87	95	82	78	84	86	80	72	72
BLUEFIELDS	NK	92	88	87	88	83	82	86	89	95	90	92	95
CHINANDEGA	NK	100	96	92	94	88	79	88	84	87	80	83	86
JUIGALPA	NK	74	83	80	79	73	49	52	62	58	76	62	80
MANAGUA	NK	94	95	96	96	92	85	86	84	81	83	88	92
PUERTO CABEZAS	NK	86	91	87	92	80	67	79	77	87	86	82	83
RIVAS	NK	98	99	99	100	97	89	93	91	92	89	92	97
BOCAS DEL TORO INTL	PM	91	92	95	90	91	90	91	94	91	94	89	91
CHANGUINOLA INTL	PM	89	91	98	86	92	91	85	94	90	91	84	93
DAVID	PM	98	98	94	93	77	77	81	81	66	67	75	88
HOWARD AFB	PM	100	100	100	99	97	97	97	98	98	98	96	100
LA PALMA	PM	100	100	98	99	95	93	96	95	92	96	94	95
PANAMA CITY	PM	100	99	99	97	95	93	96	97	97	96	95	96
PORVENIR	PM	100	99	99	99	98	99	98	100	99	97	97	98
RIO HATO	PM	100	100	100	96	94	92	98	93	97	82	94	99
SANTIAGO	PM	100	100	99	100	95	97	99	96	97	96	96	99
TOCUMEN	PM	100	99	99	95	93	92	95	97	89	90	92	97

TABLE B-11, Cont'd

0600Z		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
BELIZE INTL	BZ	85	84	86	83	85	70	87	88	81	80	86	80
SAN JOSE	CS	98	100	99	97	91	91	94	93	91	82	92	99
ACAJUTLA	ES	100	100	99	99	100	100	99	98	98	99	100	100
SAN SALVADOR	ES	99	100	100	98	98	91	95	95	88	95	99	100
GUATEMALA CITY	GU	63	70	73	65	62	45	51	46	44	49	54	56
HUEHUETENANGO	GU	89	90	84	75	70	64	78	65	67	75	75	83
PUERTO BARRIOS	GU	75	74	71	76	86	60	62	67	80	68	76	74
SAN JOSE	GU	100	97	98	96	86	71	77	76	82	88	97	99
CATACAMAS	HO	93	93	92	93	88	90	95	86	86	90	87	91
CHOLUTECA	HO	100	99	100	98	95	91	96	98	89	95	98	100
ISLAS DEL CISNE	HO	95	97	97	96	98	94	99	99	95	94	95	95
SAN PEDRO SULA	HO	87	89	93	97	96	90	95	93	94	86	91	86
TEGUCIGALPA	HO	75	78	91	89	84	68	79	75	73	64	67	67
TELA	HO	76	84	86	89	83	91	89	90	94	84	81	84
MANAGUA	NK	99	97	100	99	91	87	93	89	87	89	95	99
HOWAD AFB	PM	100	100	100	100	100	98	99	100	99	99	100	100
TOCUMEN	PM	100	99	100	97	96	96	99	97	97	94	97	100

1200Z		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
BELIZE INTL	BZ	78	74	85	85	79	76	83	85	78	69	70	71
LIMON	CS	84	83	86	84	85	87	80	85	95	98	88	85
NICOYA	CS	99	99	100	98	93	91	96	90	84	84	87	98
PUNTARENAS	CS	100	99	99	100	95	93	98	97	93	91	92	98
SAN JOSE	CS	100	100	100	97	98	96	100	98	96	95	98	99
ACAJUTLA	ES	100	100	100	100	100	98	100	100	99	100	100	100
SAN SALVADOR	ES	99	100	99	100	95	88	94	91	84	93	96	100
SANTA ANA	ES	100	100	99	100	99	97	98	97	91	100	100	100
FLORES	GU	49	62	71	81	81	76	74	62	63	44	46	51
GUATEMALA CITY	GU	53	55	50	55	68	56	61	59	62	66	62	60
HUEHUETENANGO	GU	69	75	83	82	80	70	71	62	60	58	62	67
POPTUN	GU	58	77	83	86	84	83	80	73	69	40	45	72
PUERTO BARRIOS	GU	67	60	69	73	83	76	69	60	76	67	62	59
RETALHULEU	GU	100	98	93	100	99	85	97	91	90	100	97	100
SAN JOSE	GU	98	100	96	96	92	91	92	93	91	97	99	98

TABLE B-11, Cont'd

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
CATACAMAS	HO	92	93	94	93	91	91	94	92	91	92	89	83
CHOLUTECA	HO	100	99	99	100	4	100	98	99	96	98	99	99
ISLAS DEL CISNE	HO	94	95	97	98	96	93	96	95	96	89	90	90
SAN PEDRO SULA	HO	81	88	95	93	96	94	93	95	95	90	87	80
TEGUCIGALPA	HO	59	77	77	79	80	57	63	56	58	57	49	53
TELA	HO	86	83	84	91	95	95	94	96	93	79	78	79
BLUEFIELDS	NK	89	83	83	82	78	79	79	75	85	91	86	89
MANAGUA	NK	98	98	97	98	95	88	92	90	89	90	97	97
PUERTO CABEZAS	NK	77	84	84	80	70	74	70	71	82	82	81	69
RIVAS	NK	98	97	100	96	97	85	88	81	89	85	90	89
BOCAS DEL TORO INTL	PM	84	87	86	81	90	83	75	78	89	89	81	81
CHANGUINOLA INTL	PM	90	89	83	80	85	84	77	89	94	89	85	80
DAVID	PM	100	100	98	98	94	96	91	92	93	91	89	96
FORT SHERMAN	PM	87	91	91	78	78	68	67	62	84	84	66	75
HOWARD AFB	PM	100	100	99	98	99	98	98	99	99	100	99	99
PANAMA CITY	PM	100	100	99	97	91	90	97	92	95	95	97	98
PORVENIR	PM	100	100	98	96	97	92	92	96	95	96	92	98
RIO HATO	PM	100	100	100	99	99	95	99	99	97	98	100	99
TOCUMEN	PM	100	99	98	95	93	94	99	96	95	93	96	99

1800Z		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
BELIZE INTL	BZ	72	69	77	73	75	66	76	73	68	61	72	68
LIBERIA	CS	100	100	100	93	91	91	84	91	86	86	93	100
LIMON	CS	89	88	92	86	95	96	92	92	96	94	91	90
NICOYA	CS	100	98	99	97	90	90	93	90	84	83	88	97
PUNTARENAS	CS	100	100	100	99	98	99	100	98	97	96	99	100
SAN JOSE	CS	100	100	100	100	100	98	100	99	97	96	100	100
ACAJUTLA	ES	100	100	100	100	99	99	100	100	100	100	100	100
SAN SALVADOR	ES	100	100	98	100	91	87	98	92	86	88	99	98
SANTA ANA	ES	100	100	98	99	100	95	98	99	97	100	98	100
FLORES	GU	64	66	74	78	83	66	68	71	68	68	61	65
GUATEMALA CITY	GU	73	70	79	72	75	51	59	50	55	53	71	72
HUEHUETENANGO	GU	93	93	95	92	86	86	87	81	82	79	79	89
POPTUN	GU	38	45	60	52	61	43	51	54	35	28	37	36
PUERTO BARRIOS	GU	73	72	78	80	89	77	75	82	93	83	81	79
RETALHULEU	GU	93	86	83	80	89	87	84	86	77	83	92	98
SAN JOSE	GU	100	99	99	99	94	93	96	96	91	92	100	100

TABLE B-11, Cont'd

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
CATACAMAS	HO	89	93	98	97	97	93	91	93	93	92	93	87
CHOLUTECA	HO	100	100	100	100	97	97	99	99	94	97	100	98
GUANAJA	HO	76	75	91	90	96	89	87	93	94	82	73	88
ISLAS DEL CISNE	HO	88	94	92	95	93	95	95	96	93	91	87	95
LA CEIBA	HO	80	91	95	93	98	91	95	98	94	87	83	79
PUERTO LEMPIRA	HO	79	80	80	83	78	75	77	75	83	87	76	74
SAN PEDRO SULA	HO	84	81	93	93	97	87	87	90	89	85	85	84
TEGUCIGALPA	HO	82	91	95	96	95	85	87	87	89	86	81	81
TELA	HO	83	85	88	89	96	87	90	96	95	87	77	76
BLUEFIELDS	NK	76	75	67	75	67	64	65	72	79	77	75	83
CHINANDEGA	NK	97	98	90	90	83	81	93	88	79	74	85	92
JUIGALPA	NK	53	53	53	56	54	31	39	40	32	34	33	44
MANAGUA	NK	90	95	86	89	80	74	78	81	76	88	91	90
PUERTO CABEZAS	NK	89	88	84	88	90	76	84	86	84	76	75	80
RIVAS	NK	99	99	99	100	97	91	88	89	91	90	93	97
BOCAS DEL TORO INTL	PM	90	88	92	89	96	90	87	88	92	92	88	86
CHANGUINOLA INTL	PM	84	85	89	85	92	92	90	91	92	91	88	87
DAVID	PM	100	98	96	93	88	85	87	82	81	81	81	94
FORT SHERMAN	PM	92	92	92	84	77	58	69	73	83	79	75	82
HOWARD AFB	PM	100	100	99	98	96	98	99	98	98	98	95	97
JAQUE	PM	100	100	100	95	94	93	89	91	88	82	84	92
LA PALMA	PM	100	99	100	98	99	97	98	98	98	96	97	98
PANAMA CITY	PM	100	98	99	96	96	97	98	94	97	95	97	99
PORVENIR	PM	100	100	100	98	98	99	100	99	98	98	98	98
RIO HATO	PM	99	100	100	97	95	94	97	97	96	96	96	97
SANTIAGO	PM	99	99	100	97	97	98	100	98	97	97	99	95
TOCUMEN	PM	100	96	98	95	90	94	94	91	91	86	89	97

TABLE B-12 Ceilings ≥ 1,500 ft: Percent Frequency of Occurrence, Selected Times

0000Z		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
BELIZE INTL	BZ	98	99	96	97	100	97	99	99	99	98	97	94
LIBERIA	CS	100	100	100	100	99	97	99	99	100	97	98	100
LIMON	CS	98	98	100	98	100	100	99	99	99	100	98	99
NICOYA	CS	100	100	100	100	100	99	99	99	97	97	98	100
PUNTARENAS	CS	100	100	100	100	98	96	98	99	97	98	98	100
SAN JOSE	CS	99	99	100	98	93	86	93	87	84	78	84	94
ACAJUTLA	ES	100	100	100	100	100	100	99	100	100	100	100	100
SAN SALVADOR	ES	100	100	100	99	97	98	100	100	98	100	100	100
SANTA ANA	ES	100	100	100	99	99	96	100	100	99	100	100	100
FLORES	GU	91	96	96	99	100	100	99	100	97	94	95	90
GUATEMALA CITY	GU	100	99	97	97	94	91	98	91	82	92	98	97
HUEHUETENANGO	GU	99	100	99	100	98	98	99	100	98	99	97	99
POPTUN	GU	92	95	100	97	95	99	96	100	91	85	84	94
PUERTO BARRIOS	GU	94	94	97	97	98	95	96	96	98	96	96	93
RETALHULEU	GU	100	100	100	97	99	95	95	96	95	93	100	100
SAN JOSE	GU	100	100	100	100	100	96	99	99	97	97	99	100
CATACAMAS	HO	99	100	100	99	99	99	99	100	100	99	99	100
CHOLUTECA	HO	100	100	100	100	100	98	99	100	99	98	99	100
GUANAJA	HO	100	99	100	100	100	100	100	100	100	100	98	100
ISLAS DEL CISNE	HO	98	98	98	99	99	96	97	98	93	95	98	96
LA CEIBA	HO	97	95	97	97	99	97	99	100	100	96	98	96
PUERTO LEMPIRA	HO	98	98	99	99	100	100	96	98	99	98	97	99
SAN PEDRO SULA	HO	98	99	99	98	99	99	98	100	98	100	98	99
TEGUCIGALPA	HO	100	100	100	99	100	98	100	100	99	99	100	99
TELA	HO	98	95	97	98	100	98	99	100	99	97	97	95
BLUEFIELDS	NK	95	97	96	97	96	90	92	95	96	96	95	97
CHINANDEGA	NK	100	100	100	100	100	100	100	100	100	100	100	100
JUIGALPA	NK	100	100	100	100	100	100	99	99	99	100	100	99
MANAGUA	NK	100	100	100	100	100	100	99	99	99	100	99	100
PUERTO CABEZAS	NK	99	98	99	99	96	91	95	96	99	95	96	97
RIVAS	NK	100	100	100	100	99	99	100	99	99	100	99	100
BOCAS DEL TORO INTL	PM	100	97	99	99	99	99	99	99	99	99	98	100
CHANGUINOLA INTL	PM	97	98	100	99	99	98	99	99	99	99	98	98
DAVID	PM	100	99	100	98	92	90	94	94	87	90	89	96
HOWARD AFB	PM	100	100	100	100	100	99	99	100	100	100	100	100
LA PALMA	PM	100	100	99	100	99	99	99	100	100	98	98	100
PANAMA CITY	PM	100	100	99	100	100	100	100	100	100	99	99	100
PORVENIR	PM	100	100	100	100	100	100	100	100	99	100	100	100
RIO HATO	PM	100	100	100	100	99	99	100	100	100	99	99	100
SANTIAGO	PM	100	100	100	100	98	98	99	99	100	99	99	100
TOCUMEN	PM	100	100	100	100	98	97	98	99	97	95	97	100

TABLE B-12, Cont'd

0600Z		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
BELIZE INTL	BZ	94	93	93	92	96	95	99	99	93	87	91	87
SAN JOSE	CS	98	100	99	98	91	94	95	94	95	86	94	99
ACAJUTLA	ES	100	100	100	99	100	100	100	100	100	100	100	100
SAN SALVADOR	ES	99	100	100	99	99	97	97	98	95	97	100	100
GUATEMALA CITY	GU	74	80	79	81	77	60	65	60	56	66	63	70
HUEHUETENANGO	GU	100	100	100	98	99	96	100	96	96	97	98	100
PUERTO BARRIOS	GU	100	97	97	98	100	97	98	98	99	93	95	93
SAN JOSE	GU	100	100	100	100	100	97	97	100	98	99	100	100
CATACAMAS	HO	97	99	100	100	98	98	100	96	96	95	96	98
CHOLUTECA	HO	100	100	100	100	100	97	100	100	96	98	100	100
ISLAS DEL CISNE	HO	99	99	99	100	100	98	99	100	96	97	99	99
SAN PEDRO SULA	HO	99	89	99	100	100	98	98	99	99	100	98	100
TEGUCIGALPA	HO	100	100	99	99	99	98	99	100	100	99	98	99
TELA	HO	99	94	97	100	100	99	99	100	100	96	97	97
MANAGUA	NK	100	100	100	100	100	100	100	100	100	99	100	100
HOWARD AFB	PM	100	100	100	100	100	100	100	100	100	100	100	100
TOCUMEN	PM	100	100	100	100	99	98	100	98	99	99	100	100

1200Z		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
BELIZE INTL	BZ	87	88	94	94	97	87	95	96	86	80	79	83
LIMON	CS	99	99	100	99	100	99	100	99	100	99	99	98
NICOYA	CS	100	100	100	100	97	97	97	96	87	91	92	99
PUNTARENAS	CS	100	100	100	100	98	100	99	99	98	98	98	100
SAN JOSE	CS	100	100	100	99	93	98	100	99	98	96	99	100
ACAJUTLA	ES	100	100	100	100	100	99	100	100	100	100	100	100
SAN SALVADOR	ES	99	100	99	100	97	93	94	91	90	95	97	100
SANTA ANA	ES	100	100	99	100	100	98	100	96	92	100	100	100
FLORES	GU	52	66	76	85	87	81	78	66	68	49	53	52
GUATEMALA CITY	GU	67	68	61	69	79	72	72	69	74	75	74	73
HUEHUETENANGO	GU	84	89	97	92	91	87	86	81	75	76	75	79
POPTUN	GU	67	81	87	87	86	91	87	80	70	42	47	79
PUERTO BARRIOS	GU	90	91	90	94	97	96	93	90	95	93	88	88
RETALHULEU	GU	100	100	100	100	100	95	99	99	96	100	98	100
SAN JOSE	GU	99	100	98	100	99	97	99	100	99	100	100	99

TABLE B-12, Cont'd

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
CATACAMAS	HO	98	98	100	99	97	98	98	98	95	98	96	96
CHOLUTECA	HO	100	100	100	100	98	100	100	100	97	99	100	100
ISLAS DEL CISNE	HO	98	98	99	99	97	96	97	97	99	94	97	95
SAN PEDRO SULA	HO	93	99	99	99	100	98	99	98	100	97	95	97
TEGUCIGALPA	HO	98	97	99	99	100	98	95	98	96	96	94	94
TELA	HO	98	96	99	100	100	99	98	100	99	97	98	95
BLUEFIELDS	NK	89	97	93	96	91	90	92	86	90	96	89	92
MANAGUA	NK	100	99	100	100	100	100	100	100	100	99	100	100
PUERTO CABEZAS	NK	92	95	96	95	96	92	91	96	99	95	93	99
RIVAS	NK	100	100	100	100	100	100	98	98	100	99	100	99
BOCAS DEL TORO INTL	PM	99	100	99	100	98	98	97	99	100	99	99	98
CHANGUINOLA INTL	PM	99	100	96	96	100	99	99	100	100	99	97	97
DAVID	PM	100	100	100	100	99	99	99	97	96	97	93	98
FORT SHERMAN	PM	89	92	93	84	86	71	72	64	85	86	77	86
HOWARD AFB	PM	100	100	100	100	100	100	100	100	100	100	100	100
PANAMA CITY	PM	100	100	100	100	99	99	100	99	99	99	99	100
PORVENIR	PM	100	100	100	100	100	99	99	100	100	100	98	100
RIO HATO	PM	100	100	100	100	100	100	100	100	100	100	100	100
TOCUMEN	PM	100	100	100	99	98	98	100	99	99	98	99	100

1800Z		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
BELIZE INTL	BZ	99	94	100	97	99	93	99	98	97	93	95	89
LIBERIA	CS	100	100	100	100	100	98	99	99	99	99	99	100
LIMON	CS	99	99	100	98	100	100	99	99	100	99	100	100
NICOYA	CS	100	100	100	100	100	100	99	100	100	98	99	99
PUNTARENAS	CS	100	100	100	99	100	100	100	100	100	99	100	100
SAN JOSE	CS	100	100	100	100	100	99	100	100	99	100	100	100
ACAJUTLA	ES	100	100	100	100	99	100	100	100	100	100	100	100
SAN SALVADOR	ES	100	100	100	100	98	97	100	98	97	99	100	100
SANTA ANA	ES	100	100	99	99	100	97	100	100	99	100	100	100
FLORES	GU	87	86	97	98	99	99	99	100	97	93	92	87
GUATEMALA CITY	GU	99	99	99	100	99	97	98	97	96	99	100	99
HUEHUETENANGO	GU	99	100	99	100	99	100	99	99	99	97	95	98
POPTUN	GU	90	98	96	91	99	92	88	97	88	74	89	89
PUERTO BARRIOS	GU	94	94	98	100	99	97	99	99	99	95	97	95
RETALHULEU	GU	100	100	100	100	99	99	100	100	98	95	100	100
SAN JOSE	GU	100	100	100	100	100	98	100	100	98	99	100	100

TABLE B-12, Cont'd

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
CATACAMAS	HO	98	98	100	99	97	98	98	98	95	98	96	96
CATACAMAS	HO	100	99	100	100	99	100	99	100	100	99	99	100
CHOLUTECA	HO	100	100	100	100	99	99	100	100	98	100	100	100
GUANAJA	HO	100	97	100	100	98	100	100	100	100	98	100	100
ISLAS DEL CISNE	HO	98	99	98	99	99	97	97	99	99	97	94	98
LA CEIBA	HO	96	98	100	95	100	100	100	100	98	97	94	97
PUERTO LEMPIRA	HO	96	98	100	98	99	99	97	98	100	97	97	99
SAN PEDRO SULA	HO	99	99	100	98	100	100	100	100	99	99	99	99
TEGUCIGALPA	HO	99	100	100	100	100	99	100	100	99	100	100	99
TELA	HO	96	95	98	99	99	100	100	100	100	98	96	95
BLUEFIELDS	NK	92	96	91	98	92	83	81	83	85	91	87	91
CHINANDEGA	NK	100	100	100	100	100	100	100	100	100	100	100	100
JUIGALPA	NK	99	100	100	100	100	98	100	99	100	100	100	100
MANAGUA	NK	100	100	100	100	100	100	100	100	100	100	100	100
PUERTO CABEZAS	NK	99	100	98	99	100	94	98	99	98	97	95	98
RIVAS	NK	100	100	100	100	100	100	99	99	100	100	100	100
BOCAS DEL TORO INTL	PM	100	100	100	99	100	98	99	99	100	100	99	98
CHANGUINOLA INTL	PM	98	99	99	99	99	99	100	99	100	100	99	96
DAVID	PM	100	100	100	99	99	99	99	96	95	95	94	100
FORT SHERMAN	PM	97	98	96	93	87	72	76	82	89	84	81	92
HOWARD AFB	PM	100	100	100	100	100	100	100	100	99	99	99	99
JAQUE	PM	100	100	100	100	99	99	96	99	98	97	99	99
LA PALMA	PM	100	100	100	100	100	100	100	100	99	100	100	100
PANAMA CITY	PM	100	100	100	100	100	99	100	99	99	99	99	100
PORVENIR	PM	100	100	100	100	100	100	100	100	100	100	100	100
RIO HATO	PM	100	100	100	100	100	100	100	100	100	100	100	100
SANTIAGO	PM	100	100	100	100	100	100	100	100	99	99	100	100
TOCUMEN	PM	100	100	100	98	99	96	99	98	96	97	98	100

TABLE B-13 Ceilings ≥ 1,000 ft: Percent Frequency of Occurrence, Selected Times

0000Z		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
BELIZE INTL	BZ	99	99	99	99	100	99	100	100	100	99	99	95
LIBERIA	CS	100	100	100	100	99	97	100	100	100	100	99	100
LIMON	CS	100	99	100	100	100	100	100	100	100	100	100	100
NICOYA	CS	100	100	100	100	100	99	100	100	100	100	100	100
PUNTARENAS	CS	100	100	100	100	100	99	100	100	100	100	100	100
SAN JOSE	CS	100	100	100	99	94	88	95	92	90	82	86	96
ACAJUTLA	ES	100	100	100	100	100	100	99	100	100	100	100	100
SAN SALVADOR	ES	100	100	100	100	100	99	100	100	99	100	100	100
SANTA ANA	ES	100	100	100	99	99	97	100	100	99	100	100	100
FLORES	GU	97	98	97	99	100	100	99	100	98	97	98	93
GUATEMALA CITY	GU	100	100	100	99	98	95	100	96	91	98	100	100
HUEHUETENANGO	GU	100	100	99	100	99	99	99	100	99	100	100	100
POPTUN	GU	95	98	100	97	97	100	99	100	97	92	92	98
PUERTO BARRIOS	GU	98	99	100	99	99	99	99	100	100	99	99	99
RETALHULEU	GU	100	100	100	98	99	99	100	100	99	98	100	100
SAN JOSE	GU	100	100	100	100	100	100	100	100	100	100	100	100
CATACAMAS	HO	99	100	100	99	99	100	100	100	100	99	99	100
CHOLUTECA	HO	100	100	100	100	100	98	100	100	100	99	99	100
GUANAJA	HO	100	99	100	100	100	100	100	100	100	100	100	100
ISLAS DEL CISNE	HO	100	99	100	100	99	99	99	100	99	99	100	99
LA CEIBA	HO	99	97	99	99	100	98	99	100	100	99	98	98
PUERTO LEMPIRA	HO	99	99	100	100	100	100	99	99	100	100	100	99
SAN PEDRO SULA	HO	98	99	99	98	99	99	98	100	99	100	98	99
TEGUCIGALPA	HO	100	100	100	99	100	100	100	100	99	99	100	99
TELA	HO	100	99	100	100	100	100	100	100	99	99	99	100
BLUEFIELDS	NK	99	99	99	99	99	97	97	98	98	99	98	100
CHINANDEGA	NK	100	100	100	100	100	100	100	100	100	100	100	100
JUIGALPA	NK	100	100	100	100	100	100	99	99	99	100	100	98
MANAGUA	NK	100	100	100	100	100	100	99	100	99	100	99	100
PUERTO CABEZAS	NK	99	99	100	99	99	95	98	98	99	97	97	98
RIVAS	NK	100	100	100	100	100	100	100	99	100	100	100	100
BOCAS DEL TORO INTL	PM	100	99	100	100	99	99	100	100	99	100	100	100
CHANGUINOLA INTL	PM	99	99	100	100	99	99	100	100	99	100	100	99
DAVID	PM	100	100	100	99	95	94	99	97	94	95	99	100
HOWARD AFB	PM	100	100	100	100	100	99	100	100	100	100	100	100
LA PALMA	PM	100	100	100	100	99	99	99	100	100	99	100	100
PANAMA CITY	PM	100	100	99	100	100	100	100	100	100	100	100	100
PORVENIR	PM	100	100	100	100	100	100	100	100	100	100	100	100
RIO HATO	PM	100	100	100	100	99	100	100	100	100	99	100	100
SANTIAGO	PM	100	100	100	100	100	98	99	99	100	100	95	100
TOCUMEN	PM	100	100	100	100	100	100	100	100	99	99	80	100

TABLE B-13, Cont'd

0600Z		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
BELIZE INTL	BZ	97	98	95	100	98	97	100	99	100	94	95	90
SAN JOSE	CS	99	100	100	99	95	94	96	94	96	89	96	99
ACAJUTLA	ES	100	100	100	99	100	100	100	100	100	100	100	100
SAN SALVADOR	ES	100	100	100	100	99	97	97	99	97	97	100	100
GUATEMALA CITY	GU	81	91	92	90	86	76	82	79	76	79	82	80
HUEHUETENANGO	GU	100	100	100	98	99	100	100	97	100	100	100	100
PUERTO BARRIOS	GU	100	99	100	100	100	99	100	100	100	99	98	99
SAN JOSE	GU	100	100	100	100	100	100	100	100	100	100	100	100
CATACAMAS	HO	97	100	100	100	99	99	100	96	96	96	97	98
CHOLUTECA	HO	100	100	100	100	100	97	100	100	99	99	100	100
ISLAS DEL CISNE	HO	99	100	100	100	100	100	100	100	100	99	100	100
SAN PEDRO SULA	HO	99	100	100	100	100	98	99	99	100	100	98	100
TEGUCIGALPA	HO	100	100	99	99	100	98	100	100	100	99	99	100
TELA	HO	100	100	100	100	100	100	100	100	100	100	98	100
MANAGUA	NK	100	100	100	100	100	100	100	100	100	100	100	100
HOWARD AFB	PM	100	100	100	100	100	100	100	100	100	100	100	100
TOCUMEN	PM	100	100	100	100	100	100	100	100	100	100	100	100

1200Z		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
BELIZE INTL	BZ	89	93	97	98	98	95	97	99	94	84	82	85
LIMON	CS	100	99	100	99	100	99	100	99	100	100	99	99
NICOYA	CS	100	100	100	100	97	98	98	97	90	92	94	99
PUNTARENAS	CS	100	100	100	100	99	100	100	100	99	100	100	100
SAN JOSE	CS	100	100	100	99	99	99	100	99	99	97	99	100
ACAJUTLA	ES	100	100	100	100	100	99	100	100	100	100	100	100
SAN SALVADOR	ES	100	100	99	100	97	96	94	92	92	95	97	100
SANTA ANA	ES	100	100	100	100	100	100	100	99	98	100	100	100
FLORES	GU	56	75	79	87	91	83	81	70	72	54	58	53
GUATEMALA CITY	GU	79	79	76	82	86	82	84	81	81	86	83	80
HUEHUETENANGO	GU	89	96	98	96	93	96	92	95	90	90	90	88
POPTUN	GU	83	85	98	95	92	93	88	88	72	52	69	82
PUERTO BARRIOS	GU	99	99	100	99	99	100	100	98	100	98	98	96
RETALHULEU	GU	100	100	100	100	100	97	99	99	100	100	100	100
SAN JOSE	GU	99	100	98	100	99	99	100	100	100	100	100	99

TABLE B-13, Cont'd

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
CATACAMAS	HO	98	98	100	99	98	98	99	98	95	99	99	96
CHOLUTECA	HO	100	100	100	100	98	100	100	100	97	99	100	100
ISLAS DEL CISNE	HO	100	100	100	100	99	100	100	100	100	100	100	100
SAN PEDRO SULA	HO	96	99	99	99	100	98	99	98	100	97	95	97
TEGUCIGALPA	HO	99	98	100	99	100	99	99	98	96	97	94	95
TELA	HO	100	100	100	100	100	99	100	100	100	100	100	99
BLUEFIELDS	NK	94	100	97	97	97	97	100	95	92	98	94	95
MANAGUA	NK	100	99	100	100	100	100	100	100	100	99	100	100
PUERTO CABEZAS	NK	94	99	99	96	96	97	92	99	99	95	94	100
RIVAS	NK	100	100	100	100	100	100	100	99	100	99	100	99
BOCAS DEL TORO INTL	PM	100	100	100	100	99	99	99	99	100	100	99	100
CHANGUINOLA INTL	PM	100	100	100	99	100	99	100	100	100	100	99	98
DAVID	PM	100	100	100	100	99	99	99	98	98	97	95	99
FORT SHERMAN	PM	95	99	99	97	99	90	93	92	98	97	96	93
HOWARD AFB	PM	100	100	100	100	100	100	100	100	100	100	100	100
PANAMA CITY	PM	100	100	100	100	100	100	100	99	100	100	100	100
PORVENIR	PM	100	100	100	100	100	100	100	100	100	100	99	100
RIO HATO	PM	100	100	100	100	100	100	100	100	100	100	100	100
TOCUMEN	PM	100	100	100	100	100	99	100	100	100	99	99	100

1800Z		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
BELIZE INTL	BZ	99	98	100	99	100	98	99	99	99	98	99	95
LIBERIA	CS	100	100	100	100	100	99	100	100	99	99	99	100
LIMON	CS	100	100	100	100	100	100	100	100	100	100	100	100
NICOYA	CS	100	100	100	100	100	100	100	100	100	100	100	100
PUNTARENAS	CS	100	100	100	99	100	100	100	100	100	100	100	100
SAN JOSE	CS	100	100	100	100	100	99	100	100	100	100	100	100
ACAJUTLA	ES	100	100	100	100	100	100	100	100	100	100	100	100
SAN SALVADOR	ES	100	100	100	100	100	98	100	100	100	100	100	100
SANTA ANA	ES	100	100	99	99	100	97	100	100	100	100	100	100
FLORES	GU	97	94	98	99	99	100	99	100	98	96	97	93
GUATEMALA CITY	GU	100	99	100	100	100	99	100	100	98	100	100	100
HUEHUETENANGO	GU	99	100	100	100	100	100	99	100	100	100	100	100
POPTUN	GU	93	98	100	96	99	99	99	100	96	95	98	98
PUERTO BARRIOS	GU	100	99	100	100	100	100	99	100	100	99	99	99
RETALHULEU	GU	100	100	100	100	100	100	100	100	98	98	100	100
SAN JOSE	GU	100	100	100	100	100	100	100	100	99	100	100	100

TABLE B-13, Cont'd

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
CATACAMAS	HO	100	99	100	100	99	100	100	100	100	99	99	100
CHOLUTECA	HO	100	100	100	100	100	99	100	100	100	100	100	100
GUANAJA	HO	100	98	100	100	100	100	100	100	100	100	100	100
ISLAS DEL CISNE	HO	100	100	100	99	99	99	100	100	100	100	99	100
LA CEIBA	HO	98	98	100	98	100	100	100	100	99	99	97	97
PUERTO LEMPIRA	HO	99	100	100	100	100	100	100	100	100	100	100	99
SAN PEDRO SULA	HO	100	99	100	98	100	100	100	100	100	99	99	99
TEGUCIGALPA	HO	100	100	100	100	100	99	100	100	99	100	100	100
TELA	HO	99	99	100	100	100	100	100	100	100	99	100	98
BLUEFIELDS	NK	99	99	98	100	98	95	95	97	95	97	99	99
CHINANDEGA	NK	100	100	100	100	100	100	100	100	100	100	100	100
JUIGALPA	NK	99	100	100	100	100	98	100	99	100	100	100	100
MANAGUA	NK	100	100	00	100	100	100	100	100	100	100	100	100
PUERTO CABEZAS	NK	99	100	99	99	100	98	99	100	99	98	99	99
RIVAS	NK	100	100	100	100	100	100	100	99	100	100	100	100
BOCAS DEL TORO INTL	PM	100	100	100	100	100	100	100	100	100	100	100	100
CHANGUINOLA INTL	PM	100	100	100	100	100	99	100	100	100	100	100	99
DAVID	PM	100	100	100	100	100	100	100	100	99	99	98	100
FORT SHERMAN	PM	100	100	99	99	98	91	95	99	99	99	96	98
HOWARD AFB	PM	100	100	100	100	100	100	100	100	100	100	100	100
JAQUE	PM	100	100	100	100	99	99	98	99	98	100	99	100
LA PALMA	PM	100	100	100	100	100	100	100	100	100	100	100	100
PANAMA CITY	PM	100	100	100	100	100	100	100	100	100	99	100	100
PORVENIR	PM	100	100	100	100	100	100	100	100	100	100	100	100
RIO HATO	PM	100	100	100	100	100	100	100	100	100	100	100	100
SANTIAGO	PM	100	100	100	100	100	100	100	100	100	100	100	100
TOCUMEN	PM	100	100	100	100	100	98	100	100	99	100	100	100

TABLE B-14 Visibility ≥ 3 miles: Percent Frequency of Occurrence, Selected Times

0000Z		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
BELIZE INTL	BZ	98	99	98	100	95	97	99	99	100	99	99	98
LIBERIA	CS	100	100	100	100	100	99	97	99	99	99	100	100
LIMON	CS	94	98	98	97	98	99	98	97	97	98	94	94
NICOYA	CS	100	100	100	98	99	98	99	98	96	95	98	100
PUNTARENAS	CS	99	99	100	99	97	98	100	95	97	97	98	99
SAN JOSE	CS	99	100	100	99	93	86	93	89	86	82	85	97
ACAJUTLA	ES	100	99	100	99	96	99	100	99	98	99	100	100
SAN SALVADOR	ES	100	100	100	99	98	96	97	98	96	98	99	100
SANTA ANA	ES	99	100	100	99	99	97	100	100	100	100	98	100
FLORES	GU	96	98	99	89	85	98	99	100	96	98	99	96
GUATEMALA CITY	GU	100	99	97	73	77	94	97	92	88	92	99	99
HUEHUETENANGO	GU	100	100	100	99	92	95	98	97	92	97	99	100
POPTUN	GU	100	100	100	84	83	100	100	100	99	95	95	98
PUERTO BARRIOS	GU	96	98	98	92	84	95	96	98	99	95	98	95
RETALHULEU	GU	100	100	96	86	81	89	86	91	74	74	95	100
SAN JOSE	GU	100	99	98	75	80	99	98	99	98	98	98	100
CATACAMAS	HO	99	100	99	92	93	98	98	98	98	98	99	98
CHOLUTECA	HO	100	100	99	94	87	93	97	97	96	96	100	100
GUANAJA	HO	98	97	100	98	95	100	98	98	98	93	97	94
ISLAS DEL CISNE	HO	100	100	100	98	100	99	100	100	99	99	99	99
LA CEIBA	HO	93	95	97	92	92	92	98	97	97	90	92	87
PUERTO LEMPIRA	HO	99	96	99	100	98	97	97	98	98	95	89	98
SAN PEDRO SULA	HO	95	98	97	94	88	93	100	100	99	98	97	96
TEGUCIGALPA	HO	100	100	99	85	88	92	97	95	96	95	97	98
TELA	HO	97	94	97	92	85	93	99	99	98	92	91	93
BLUEFIELDS	NK	99	98	99	98	99	92	99	96	98	95	96	97
CHINANDEGA	NK	100	100	100	100	97	92	98	99	99	98	100	100
JUIGALPA	NK	99	100	99	100	100	96	100	99	98	100	99	100
MANAGUA	NK	100	100	100	98	99	98	99	97	96	98	100	100
PUERTO CABEZAS	NK	97	97	98	98	96	94	97	95	97	93	90	96
RIVAS	NK	100	100	100	100	99	100	100	99	99	99	100	100
BOCAS DEL TORO INTL	PM	100	100	100	100	100	100	99	100	100	100	100	99
CHANGUINOLA INTL	PM	99	100	99	99	99	100	99	100	100	100	99	100
DAVID	PM	100	100	100	98	97	96	97	97	95	96	95	100
HOWARD AFB	PM	100	100	100	100	100	99	99	100	100	99	100	100
LA PALMA	PM	100	100	100	100	100	100	100	100	100	100	99	100
PANAMA CITY	PM	100	100	100	100	99	100	100	100	100	100	100	100
PORVENIR	PM	100	100	100	100	99	100	100	100	100	100	99	100
RIO HATO	PM	100	100	100	99	99	100	100	100	100	99	100	100
SANTIAGO	PM	100	100	100	100	99	99	99	99	99	99	99	100
TOCUMEN	PM	100	100	100	100	100	99	99	99	100	98	100	100

TABLE B-14, Cont'd

0600Z		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
BELIZE INTL	BZ	97	98	100	100	98	97	100	99	99	98	99	94
SAN JOSE	CS	99	99	100	100	95	94	95	94	95	86	93	99
ACAJUTLA	ES	99	99	99	96	92	95	97	96	99	99	99	100
SAN SALVADOR	ES	100	100	100	98	98	96	95	96	93	94	99	100
GUATEMALA CITY	GU	93	93	88	71	78	89	96	94	87	94	97	91
HUEHUETENANGO	GU	100	98	100	98	96	100	99	99	90	97	98	100
PUERTO BARRIOS	GU	99	96	99	92	97	93	97	95	98	96	98	95
SAN JOSE	GU	97	97	100	84	86	96	100	100	99	100	98	96
CATACAMAS	HO	96	100	100	96	88	94	93	93	94	93	97	96
CHOLUTECA	HO	100	99	98	95	91	99	98	97	94	99	99	100
ISLAS DEL CISNE	HO	99	100	99	100	99	100	99	100	99	99	100	99
SAN PEDRO SULA	HO	95	100	99	91	93	97	98	100	99	98	97	96
TEGUCIGALPA	HO	99	100	99	90	93	99	100	99	97	98	97	99
TELA	HO	95	94	96	93	87	93	100	96	98	91	95	95
MANAGUA	NK	100	100	100	99	99	100	99	100	99	99	100	99
HOWARD AFB	PM	100	100	100	100	100	99	100	100	100	100	100	100
TOCUMEN	PM	100	100	100	100	100	100	100	100	100	100	100	100

1200Z		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
BELIZE INTL	BZ	87	93	97	96	97	95	93	95	96	88	90	97
LIMON	CS	92	92	98	93	96	95	94	97	100	100	96	94
NICOYA	CS	99	100	100	96	93	92	92	83	71	74	91	96
PUNTARENAS	CS	100	100	100	100	99	100	98	99	100	100	100	100
SAN JOSE	CS	100	99	100	99	98	98	99	97	97	95	99	100
ACAJUTLA	ES	99	99	99	97	97	99	99	99	100	99	100	100
SAN SALVADOR	ES	98	99	98	92	87	81	88	82	74	79	93	99
SANTA ANA	ES	100	100	100	100	99	91	98	96	97	100	100	98
FLORES	GU	76	92	87	82	76	93	86	88	92	88	85	80
GUATEMALA CITY	GU	88	87	79	62	63	85	95	87	88	93	92	85
HUEHUETENANGO	GU	69	71	79	75	61	84	80	86	82	85	71	60
POPTUN	GU	84	94	96	80	73	93	85	79	73	54	65	77
PUERTO BARRIOS	GU	94	96	96	87	80	96	97	97	99	96	93	89
RETALHULEU	GU	100	98	93	55	67	97	100	99	100	98	98	100
SAN JOSE	GU	86	92	83	55	58	97	98	98	97	98	93	86

TABLE B-14, Cont'd

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
CATACAMAS	HO	94	98	99	97	91	93	97	94	89	91	95	92
CHOLUTECA	HO	100	100	100	89	81	98	97	97	94	94	99	99
ISLAS DEL CISNE	HO	100	100	100	99	100	100	100	100	99	99	100	100
SAN PEDRO SULA	HO	95	99	95	92	89	95	98	99	99	96	96	94
TEGUCIGALPA	HO	99	99	99	86	86	91	96	93	87	91	95	96
TELA	HO	97	92	95	94	86	92	100	99	100	92	93	92
BLUEFIELDS	NK	96	99	98	99	98	99	95	93	96	96	92	95
MANAGUA	NK	100	99	100	99	98	99	99	98	98	99	99	100
PUERTO CABEZAS	NK	91	95	97	96	91	91	94	91	94	89	89	91
RIVAS	NK	100	100	99	99	100	98	99	99	99	99	100	100
BOCAS DEL TORO INTL	PM	100	99	100	100	100	99	97	99	99	99	99	100
CHANGUINOLA INTL	PM	97	100	99	99	100	100	100	100	100	100	100	98
DAVID	PM	100	100	99	99	99	100	97	100	98	96	95	100
FORT SHERMAN	PM	100	100	100	99	98	97	98	99	98	98	97	99
HOWARD AFB	PM	100	100	100	100	100	100	99	100	100	100	100	100
PANAMA CITY	PM	100	100	100	100	100	99	100	99	100	100	100	100
PORVENIR	PM	100	100	100	100	100	100	100	100	100	99	98	100
RIO HATO	PM	100	100	100	99	100	100	100	100	99	100	100	100
TOCUMEN	PM	100	100	99	99	100	99	99	99	100	99	99	100

1800Z		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
BELIZE INTL	BZ	99	100	99	100	95	97	99	99	99	98	97	97
LIBERIA	CS	100	100	100	100	100	98	100	99	100	99	100	100
LIMON	CS	94	96	99	96	98	98	97	96	99	98	97	97
NICOYA	CS	100	100	100	99	100	99	100	99	99	100	99	99
PUNTARENAS	CS	100	100	100	99	100	100	100	99	98	100	99	100
SAN JOSE	CS	99	100	100	100	100	99	100	100	100	99	99	100
ACAJUTLA	ES	100	99	100	98	95	100	99	100	99	100	100	99
SAN SALVADOR	ES	100	99	100	100	98	96	100	100	96	99	100	100
SANTA ANA	ES	100	98	100	100	100	99	98	100	100	100	100	99
FLORES	GU	99	99	99	93	86	99	99	100	98	99	99	97
GUATEMALA CITY	GU	100	100	100	91	91	99	98	99	96	100	100	100
HUEHUETENANGO	GU	100	100	100	98	95	100	100	99	100	98	99	98
POPTUN	GU	98	100	100	91	91	99	100	97	94	97	100	100
PUERTO BARRIOS	GU	95	96	98	97	93	98	99	100	98	96	98	98
RETALHULEU	GU	98	100	98	88	94	99	100	99	96	96	97	100
SAN JOSE	GU	100	100	98	74	76	98	99	100	97	100	100	100

TABLE B-14, Cont'd

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
CATACAMAS	HO	99	100	100	97	97	98	98	99	100	99	99	97
CHOLUTECA	HO	100	99	99	92	91	98	100	100	98	98	100	100
GUANAJA	HO	95	94	100	100	96	96	98	97	98	97	95	98
ISLAS DEL CISNE	HO	100	100	100	99	100	99	100	100	99	100	99	100
LA CEIBA	HO	92	96	98	91	88	94	100	99	99	96	92	93
PUERTO LEMPIRA	HO	97	96	99	97	94	99	97	97	97	93	95	96
SAN PEDRO SULA	HO	100	93	95	85	89	98	100	100	99	95	96	93
TEGUCIGALPA	HO	100	100	99	89	91	98	99	100	100	100	98	100
TELA	HO	92	92	97	93	78	95	99	100	99	93	94	91
BLUEFIELDS	NK	98	99	98	97	99	96	92	97	97	99	98	98
CHINANDEGA	NK	100	100	99	99	98	98	99	100	98	98	97	100
JUIGALPA	NK	100	100	100	99	100	99	99	99	100	100	99	100
MANAGUA	NK	100	100	100	98	100	99	98	98	100	98	100	100
PUERTO CABEZAS	NK	98	98	100	99	99	95	97	98	99	97	96	99
RIVAS	NK	99	99	99	99	99	99	99	100	100	99	100	100
BOCAS DEL TORO INTL	PM	99	99	100	100	100	100	100	100	100	100	99	100
CHANGUINOLA INTL	PM	99	100	100	99	100	99	100	100	99	100	99	100
DAVID	PM	100	100	100	100	100	100	100	100	100	99	99	100
FORT SHERMAN	PM	100	100	100	98	99	99	98	100	99	100	98	99
HOWARD AFB	PM	100	100	100	100	100	100	99	99	100	98	98	98
JAQUE	PM	100	100	100	100	100	100	99	99	98	99	100	100
LA PALMA	PM	100	100	100	100	100	100	100	100	100	100	100	100
PANAMA CITY	PM	100	100	100	100	100	100	100	100	100	99	99	100
PORVENIR	PM	100	100	100	100	100	100	100	100	100	99	100	100
RIO HATO	PM	100	100	100	100	100	100	100	100	100	100	100	100
SANTIAGO	PM	100	100	100	100	100	100	100	99	100	100	100	100
TOCUMEN	PM	100	100	99	99	100	98	99	98	99	99	98	100

TABLE B-15 Visibility ≥ 1 mile: Percent Frequency of Occurrence, Selected Times

0000Z		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
BELIZE INTL	BZ	99	99	99	100	99	99	99	99	100	100	99	100
LIBERIA	CS	100	100	100	100	100	99	99	100	99	100	100	100
LIMON	CS	100	99	100	100	98	100	100	99	100	100	99	99
NICOYA	CS	100	100	100	98	100	99	100	100	99	97	100	100
PUNTARENAS	CS	99	99	100	100	98	100	100	99	98	99	99	100
SAN JOSE	CS	100	100	100	100	99	94	97	97	93	92	93	100
ACAJUTLA	ES	100	99	100	100	100	99	100	99	99	99	100	100
SAN SALVADOR	ES	100	100	100	100	100	99	98	100	99	100	100	100
SANTA ANA	ES	99	100	100	99	99	99	100	100	100	100	98	100
FLORES	GU	99	100	99	99	97	99	99	100	97	99	100	99
GUATEMALA CITY	GU	100	100	100	98	98	98	100	98	95	99	100	100
HUEHUETENANGO	GU	100	100	100	99	99	99	99	98	99	99	99	100
POPTUN	GU	100	100	100	95	94	100	100	100	100	100	98	100
PUERTO BARRIOS	GU	100	99	99	99	97	99	100	100	100	98	99	99
RETALHULEU	GU	100	100	100	96	97	95	94	96	90	87	96	100
SAN JOSE	GU	100	99	100	99	99	100	100	100	99	100	99	100
CATACAMAS	HO	99	100	100	100	99	100	100	100	100	100	99	100
CHOLUTECA	HO	100	100	100	99	98	99	98	99	98	99	100	100
GUANAJA	HO	100	99	100	100	100	100	100	100	100	100	97	100
ISLAS DEL CISNE	HO	100	100	100	99	100	100	100	100	100	100	99	99
LA CEIBA	HO	98	97	98	96	95	98	98	100	99	96	95	97
PUERTO LEMPIRA	HO	99	99	100	100	100	99	99	100	99	100	97	100
SAN PEDRO SULA	HO	99	99	100	100	99	98	100	100	100	100	99	100
TEGUCIGALPA	HO	100	100	100	95	98	99	99	98	99	100	100	100
TELA	HO	99	99	99	98	92	99	99	100	99	97	97	98
BLUEFIELDS	NK	100	98	99	99	99	99	100	99	100	97	99	100
CHINANDEGA	NK	100	100	100	100	99	98	100	100	99	99	100	100
JUIGALPA	NK	99	100	99	100	100	98	100	100	99	100	99	100
MANAGUA	NK	100	100	100	100	100	99	100	99	98	98	100	100
PUERTO CABEZAS	NK	100	99	100	99	100	99	100	100	99	99	100	100
RIVAS	NK	100	100	100	100	100	100	100	100	100	100	100	100
BOCAS DEL TORO INTL	PM	100	100	100	100	100	100	100	100	100	100	100	100
CHANGUINOLA INTL	PM	100	100	100	100	100	100	100	100	100	100	100	100
DAVID	PM	100	100	100	100	100	100	100	100	100	100	100	100
HOWARD AFB	PM	100	100	100	100	100	100	100	100	100	99	100	100
LA PALMA	PM	100	100	100	100	100	100	100	100	100	100	100	100
PANAMA CITY	PM	100	100	100	100	100	100	100	100	100	100	100	100
PORVENIR	PM	100	100	100	100	100	100	100	100	100	100	100	100
RIO HATO	PM	100	100	100	100	100	100	100	100	100	100	100	100
SANTIAGO	PM	100	100	100	100	99	99	99	99	100	100	100	100
TOCUMEN	PM	100	100	100	100	100	99	100	100	100	100	100	100

TABLE B-15, Cont'd

0600Z		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
BELIZE INTL	BZ	100	100	100	100	100	98	100	99	99	98	99	99
SAN JOSE	CS	100	100	100	100	97	96	97	96	97	91	96	99
ACAJUTLA	ES	100	99	100	99	98	99	99	100	100	99	100	100
SAN SALVADOR	ES	100	100	100	100	100	99	97	100	97	98	100	100
GUATEMALA CITY	GU	99	100	99	97	94	97	98	98	95	98	98	97
HUEHUETENANGO	GU	100	100	100	98	96	100	100	100	99	100	99	100
PUETO BARRIOS	GU	100	100	100	100	100	98	100	100	100	99	100	100
SAN JOSE	GU	97	99	100	100	100	100	100	100	100	100	100	99
CATACAMAS	HO	100	100	100	100	100	99	99	99	100	98	100	100
CHOLUTECA	HO	100	99	99	100	99	100	99	99	100	100	100	100
ISLAS DEL CISNE	HO	100	100	100	100	100	100	100	100	99	99	100	99
SAN PEDRO SULA	HO	99	100	99	99	99	100	99	100	100	100	99	99
TEGUCIGALPA	HO	100	100	100	99	99	100	100	100	100	100	99	100
TELA	HO	98	98	97	100	95	95	100	98	100	97	98	99
MANAGUA	NK	100	100	100	100	100	100	99	100	99	100	100	99
HOWARD AFB	PM	100	00	100	100	100	100	100	100	100	100	100	100
TOCUMEN	PM	100	100	100	100	100	100	100	100	100	100	100	100

1200Z		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
BELIZE INTL	BZ	89	96	99	98	99	98	95	97	98	92	90	94
LIMON	CS	100	99	100	97	99	98	98	99	100	100	99	98
NICOYA	CS	99	100	100	97	94	93	93	87	79	79	92	96
PUNTARENAS	CS	100	100	100	100	100	100	99	100	100	100	100	100
SAN JOSE	CS	100	99	100	100	100	99	100	98	98	97	99	100
ACAJUTLA	ES	100	99	99	100	100	99	99	100	100	99	100	100
SAN SALVADOR	ES	98	99	99	97	93	88	90	87	81	86	95	99
SANTA ANA	ES	100	100	100	100	100	98	98	98	100	100	100	98
FLORES	GU	85	94	92	95	93	96	94	95	95	96	90	89
GUATEMALA CITY	GU	91	91	88	88	85	92	99	94	89	98	96	90
HUEHUETENANGO	GU	72	79	85	89	79	88	82	90	87	89	77	65
POPTUN	GU	90	94	100	89	83	97	89	87	83	73	71	87
PUERTO BARRIOS	GU	99	100	100	95	93	99	98	100	100	99	99	97
RETALHULEU	GU	100	98	100	82	95	98	100	99	100	98	98	100
SAN JOSE	GU	90	95	91	83	87	99	99	99	99	99	94	90

TABLE B-15, Cont'd

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
CATACAMAS	HO	95	99	100	99	99	98	100	99	97	99	100	100
CHOLUTECA	HO	100	100	100	98	97	99	98	98	97	97	100	100
ISLAS DEL CISNE	HO	100	100	100	99	100	100	100	100	100	100	100	100
SAN PEDRO SULA	HO	100	99	100	98	98	99	99	99	99	98	99	99
TEGUCIGALPA	HO	100	100	100	94	97	98	99	98	97	98	98	99
TELA	HO	99	97	99	98	91	96	100	99	100	97	98	97
BLUEFIELDS	NK	100	100	99	99	99	100	98	97	98	97	98	95
MANAGUA	NK	100	99	100	100	99	99	99	100	100	99	100	100
PUERTO CABEZAS	NK	99	99	100	100	100	98	98	100	99	99	99	97
RIVAS	NK	100	100	99	100	100	99	100	100	99	99	100	100
BOCAS DEL TORO INTL	PM	100	100	100	100	100	100	99	99	100	99	100	100
CHANGUINOLA INTL	PM	100	100	100	100	100	100	100	100	100	100	100	99
DAVID	PM	100	100	100	99	100	100	99	100	99	99	98	100
FORT SHERMAN	PM	100	100	100	100	100	100	99	99	99	100	100	100
HOWARD AFB	PM	100	100	100	100	100	100	100	100	100	100	100	100
PANAMA CITY	PM	100	100	100	100	100	100	100	100	100	100	100	100
PORVENIR	PM	100	100	100	100	100	100	100	100	100	100	100	100
RIO HATO	PM	100	100	100	100	100	100	100	100	100	100	100	100
TOCUMEN	PM	100	100	99	100	100	100	100	100	100	100	100	100

1800Z		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
BELIZE INTL	BZ	99	100	99	100	99	99	100	99	100	99	99	100
LIBERIA	CS	100	100	100	100	100	100	100	99	100	99	100	100
LIMON	CS	98	99	100	99	100	100	98	100	100	99	100	100
NICOYA	CS	100	100	100	99	100	100	100	100	99	100	99	100
PUNTARENAS	CS	100	100	100	100	100	100	100	100	100	100	100	100
SAN JOSE	CS	100	100	100	100	100	100	100	100	100	100	100	100
ACAJUTLA	ES	100	99	100	100	100	100	100	100	99	100	100	100
SAN SALVADOR	ES	100	99	100	100	100	98	100	100	100	99	100	100
SANTA ANA	ES	100	98	100	100	100	100	100	100	100	100	100	100
FLORES	GU	100	100	100	99	95	100	100	100	100	99	100	99
GUATEMALA CITY	GU	100	100	100	100	99	100	100	100	98	100	100	100
HUEHUETENANGO	GU	100	100	100	100	100	100	100	100	100	99	99	99
POPTUN	GU	98	100	100	97	94	100	100	98	97	98	100	100
PUERTO BARRIOS	GU	100	99	100	100	99	100	100	100	100	98	100	99
RETALHULEU	GU	100	100	100	100	99	100	100	99	97	96	97	100
SAN JOSE	GU	100	100	100	99	100	100	100	100	99	100	100	100

TABLE B-15, Cont'd

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
CATACAMAS	HO	100	100	100	100	99	99	100	100	100	99	99	100
CHOLUTECA	HO	100	99	100	98	97	99	100	100	99	99	100	100
GUANAJA	HO	100	99	100	100	100	98	98	98	100	98	100	98
ISLAS DEL CISNE	HO	100	100	100	99	100	100	100	100	100	100	99	100
LA CEIBA	HO	97	97	100	96	92	97	100	100	99	98	96	96
PUERTO LEMPIRA	HO	98	97	100	99	100	100	99	99	98	96	99	100
SAN PEDRO SULA	HO	100	98	99	98	99	100	100	100	99	98	100	99
TEGUCIGALPA	HO	100	100	100	97	98	100	100	100	100	100	99	100
TELA	HO	99	97	99	100	91	97	100	100	100	97	96	98
BLUEFIELDS	NK	99	100	100	99	100	99	98	99	99	100	99	99
CHINANDEGA	NK	100	100	100	100	99	99	100	100	100	100	100	100
JUIGALPA	NK	100	100	100	100	100	100	100	100	100	100	99	100
MANAGUA	NK	100	100	100	100	100	100	99	99	100	100	100	100
PUERTO CABEZAS	NK	100	99	100	99	99	98	100	100	100	98	99	99
RIVAS	NK	99	99	99	100	99	99	99	100	100	99	100	100
BOCAS DEL TORO INTL	PM	100	100	100	100	100	100	100	100	100	100	100	100
CHANGUINOLA INTL	PM	100	100	100	100	100	100	100	100	100	100	100	100
DAVID	PM	100	100	100	100	100	100	100	100	100	100	100	100
FORT SHERMAN	PM	100	100	100	100	100	100	100	100	99	100	100	99
HOWARD AFB	PM	100	100	100	100	100	100	100	100	100	99	100	99
JAQUE	PM	100	100	100	100	100	100	100	99	99	100	100	100
LA PALMA	PM	100	100	100	100	100	100	100	100	100	100	100	100
PANAMA CITY	PM	100	100	100	100	100	100	100	100	100	100	100	100
PORVENIR	PM	100	100	100	100	100	100	100	100	100	100	100	100
RIO HATO	PM	100	100	100	100	100	100	100	100	100	100	100	100
SANTIAGO	PM	100	100	100	100	100	100	100	100	100	100	100	100
TOCUMEN	PM	100	100	100	100	100	98	100	100	100	100	99	100

TABLE B-16 Sky Cover ≤ 3/10: Percent Frequency of Occurrence, Selected Times

0000 LST		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
18.00N	92.00W	46	36	47	40	43	11	10	14	18	34	45	47
18.00N	90.00W	48	43	43	46	32	11	23	26	23	28	43	52
18.00N	88.00W	52	59	60	58	33	18	28	29	25	32	37	47
18.00N	84.00W	50	36	63	45	35	22	22	22	24	27	37	49
18.00N	81.00W	57	33	60	50	39	39	35	32	20	35	50	51
17.00N	91.00W	49	29	40	34	29	11	13	12	18	19	41	44
17.00N	89.00W	44	33	43	40	23	13	19	20	17	25	32	33
17.00N	87.00W	49	42	74	55	37	20	22	29	20	21	32	39
17.00N	85.00W	54	44	56	58	37	20	23	31	22	29	42	42
17.00N	84.00W	56	44	57	53	30	17	22	20	27	28	34	47
16.00N	92.00W	49	31	50	44	21	9	10	6	3	14	30	42
16.00N	90.00W	56	36	42	43	27	16	18	16	18	18	34	51
16.00N	88.00W	37	20	42	27	15	6	4	6	4	8	17	27
16.00N	86.00W	54	40	51	37	28	17	19	27	17	29	32	38
16.00N	84.00W	49	31	55	40	30	16	11	25	15	20	37	43
16.00N	82.00W	59	33	63	48	43	19	25	27	24	21	41	52
15.00N	93.00W	53	44	56	17	11	2	8	2	3	10	56	50
15.00N	91.00W	62	58	55	28	17	6	12	8	7	23	28	47
15.00N	89.00W	51	44	46	24	25	8	10	10	9	24	32	39
15.00N	87.00W	34	24	33	19	12	7	12	12	3	20	30	31
15.00N	85.00W	46	25	34	24	19	9	10	15	12	25	36	38
15.00N	83.00W	59	40	65	37	38	11	12	16	18	26	43	38
15.00N	81.00W	64	54	68	40	35	24	24	25	21	24	54	50
14.00N	93.00W	87	71	68	31	26	10	18	12	12	23	61	72
14.00N	92.00W	81	57	53	27	15	7	18	8	9	16	51	54
14.00N	90.00W	74	68	56	30	7	3	7	6	1	18	31	46
14.00N	88.00W	64	64	66	26	14	6	15	13	10	20	43	46
14.00N	86.00W	49	25	45	23	18	7	7	6	9	15	29	37
14.00N	84.00W	60	59	49	33	19	10	14	16	17	20	36	45
14.00N	82.00W	66	51	69	38	32	17	13	19	16	22	39	48
13.00N	91.00W	89	70	69	34	17	9	16	15	13	25	53	79
13.00N	89.00W	77	53	57	28	14	4	12	4	2	10	36	42
13.00N	87.00W	66	76	68	43	12	5	10	20	7	13	37	54
13.00N	85.00W	54	60	56	26	29	13	10	13	12	19	20	46
13.00N	83.00W	59	49	65	29	27	12	12	15	17	17	31	43
13.00N	81.00W	67	52	54	28	29	20	13	19	17	18	32	48
12.00N	93.00W	90	77	77	54	29	10	20	14	14	33	59	73
12.00N	90.00W	83	73	67	46	26	9	24	16	13	26	44	69
12.00N	88.00W	78	69	73	40	17	5	21	13	14	15	44	60
12.00N	86.00W	70	69	78	37	27	10	9	13	8	14	25	48
12.00N	84.00W	46	41	61	31	32	10	14	7	12	16	19	35
12.00N	82.00W	58	48	55	27	18	10	6	12	17	11	29	38
12.00N	80.00W	72	48	51	32	26	13	10	18	13	9	32	57
11.00N	91.00W	88	73	78	56	34	8	19	16	19	27	58	68
11.00N	89.00W	83	67	80	49	33	12	18	13	10	23	50	69
11.00N	87.00W	81	64	75	46	23	10	14	11	10	11	36	60
11.00N	85.00W	61	50	51	28	22	6	15	8	8	15	25	49
11.00N	83.00W	51	40	42	25	19	5	4	5	6	9	17	29
11.00N	81.00W	67	46	40	23	18	7	5	5	11	8	20	41
11.00N	79.00W	72	42	34	16	17	12	8	13	10	14	24	42
11.00N	77.00W	71	63	56	21	18	13	20	13	11	15	31	53
10.00N	89.00W	85	63	76	46	31	10	17	16	17	23	51	72

TABLE B-16, Cont'd

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
10.00N	86.00W	76	64	57	32	15	3	4	3	3	2	24	48
10.00N	84.00W	62	61	54	36	24	11	14	7	8	10	23	38
10.00N	82.00W	44	21	23	14	8	5	0	6	6	7	13	30
10.00N	80.00W	61	39	36	23	17	7	6	5	4	4	12	40
10.00N	78.00W	62	42	24	12	10	6	13	15	6	3	22	45
9.00N	91.00W	83	58	74	49	24	4	20	20	12	19	42	68
9.00N	87.00W	79	61	53	29	23	6	9	5	10	16	30	57
9.00N	85.00W	68	46	49	16	3	5	4	1	6	4	15	32
9.00N	83.00W	48	37	30	15	10	4	7	2	0	6	10	28
9.00N	81.00W	22	5	11	4	2	2	0	2	1	3	4	12
9.00N	79.00W	63	59	47	26	13	10	13	11	6	10	14	42
9.00N	77.00W	61	29	24	8	4	6	9	6	4	2	11	31
8.00N	84.00W	51	24	27	11	10	2	8	2	1	2	10	35
8.00N	82.00W	66	39	40	17	8	1	2	3	1	0	4	30
8.00N	80.00W	71	43	53	20	5	3	2	0	2	4	11	31
8.00N	78.00W	44	25	32	12	0	2	6	3	1	2	7	24
7.00N	86.00W	52	37	37	14	8	8	2	4	8	11	26	41
7.00N	81.00W	65	40	46	21	10	5	3	4	2	1	10	21
7.00N	79.00W	50	22	34	17	8	3	3	1	7	5	11	21
6.00N	84.00W	53	29	30	14	6	1	5	5	4	10	18	38
6.00N	82.00W	53	30	25	17	14	6	5	6	8	6	9	27
6.00N	80.00W	38	25	37	23	15	8	7	4	8	10	13	17
6.00N	78.00W	31	21	22	9	5	2	1	2	3	4	12	10

1200 LST

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
18.00N	92.00W	43	44	55	50	40	10	35	29	31	26	46	41
18.00N	90.00W	47	43	48	57	37	12	31	31	33	37	36	40
18.00N	88.00W	40	21	52	39	25	7	18	9	9	13	19	33
18.00N	84.00W	66	50	56	69	34	38	39	45	37	44	42	48
18.00N	81.00W	67	53	53	56	48	45	40	51	40	48	50	58
17.00N	91.00W	40	26	43	52	35	12	30	29	31	31	38	39
17.00N	89.00W	34	19	36	37	25	10	22	13	20	14	26	33
17.00N	87.00W	56	52	71	60	44	30	32	29	39	33	35	45
17.00N	85.00W	66	53	69	59	46	35	41	37	32	43	37	50
17.00N	84.00W	42	40	49	30	19	17	22	22	20	14	20	36
16.00N	92.00W	49	42	60	52	27	4	24	14	7	23	27	45
16.00N	90.00W	41	35	46	43	37	10	23	17	22	27	24	34
16.00N	88.00W	33	22	45	33	22	10	12	8	8	12	9	19
16.00N	86.00W	44	36	47	46	26	18	20	22	30	37	20	34
16.00N	84.00W	59	45	60	47	34	20	18	34	30	31	37	43
16.00N	82.00W	68	60	65	57	45	30	29	45	43	52	46	55
15.00N	93.00W	87	75	70	54	28	20	20	24	22	41	61	69
15.00N	91.00W	65	45	67	53	27	3	15	11	6	16	20	46
15.00N	89.00W	30	34	42	32	22	8	15	13	18	22	19	27
15.00N	87.00W	23	10	33	23	13	2	5	6	2	11	3	14
15.00N	85.00W	32	26	33	20	14	1	13	11	20	27	27	24
15.00N	83.00W	60	52	58	45	43	20	25	37	29	30	38	52
15.00N	81.00W	74	68	67	56	42	36	37	40	41	41	46	55

TABLE B-16, Cont'd

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
14.00N	93.00W	91	80	75	59	30	19	19	23	21	51	69	78
14.00N	92.00W	92	80	77	53	33	18	20	23	22	36	67	69
14.00N	90.00W	73	56	53	27	6	7	10	5	2	10	28	41
14.00N	88.00W	67	63	61	44	18	10	32	25	12	29	41	56
14.00N	86.00W	25	9	31	12	15	5	18	7	13	25	19	18
14.00N	84.00W	36	20	26	20	12	3	13	8	14	23	23	18
14.00N	82.00W	67	59	61	46	34	24	27	25	33	37	40	43
13.00N	91.00W	87	85	73	52	29	22	19	26	19	25	60	74
13.00N	89.00W	89	77	67	53	23	21	31	29	11	34	57	61
13.00N	87.00W	75	58	56	41	9	3	19	10	9	22	41	44
13.00N	85.00W	30	22	30	17	20	3	11	16	21	18	27	20
13.00N	83.00W	63	52	56	44	30	19	20	21	22	27	32	45
13.00N	81.00W	80	67	54	54	43	21	25	33	28	36	43	53
12.00N	93.00W	86	71	74	53	38	16	19	16	21	43	60	70
12.00N	90.00W	94	79	70	42	24	16	29	28	17	34	57	81
12.00N	88.00W	94	86	86	60	28	21	38	31	28	35	57	80
12.00N	86.00W	24	25	27	13	1	1	5	0	1	4	3	7
12.00N	84.00W	7	1	3	3	6	1	5	4	14	9	10	16
12.00N	82.00W	69	66	60	47	36	12	19	17	18	24	32	47
12.00N	80.00W	75	60	57	44	37	14	19	25	19	22	40	59
11.00N	91.00W	90	80	78	54	40	17	22	27	18	39	51	75
11.00N	89.00W	90	83	86	52	31	22	28	28	22	34	57	79
11.00N	87.00W	93	82	82	68	33	17	34	33	34	37	55	77
11.00N	85.00W	36	34	27	9	7	0	3	4	0	3	8	21
11.00N	83.00W	67	41	55	37	34	4	9	13	11	14	23	43
11.00N	81.00W	75	64	54	44	33	8	18	15	16	14	24	48
11.00N	79.00W	86	47	57	33	23	11	9	20	16	16	29	58
11.00N	77.00W	80	44	59	26	16	19	29	25	16	22	36	48
10.00N	89.00W	92	82	87	62	38	20	23	26	26	34	50	74
10.00N	86.00W	93	78	82	51	33	13	20	12	19	22	35	59
10.00N	84.00W	44	28	30	10	5	1	2	1	0	1	4	22
10.00N	82.00W	27	14	13	9	8	2	3	5	6	2	5	18
10.00N	80.00W	81	49	48	29	22	10	10	20	10	15	20	43
10.00N	78.00W	74	41	40	26	19	11	10	10	6	11	22	51
9.00N	91.00W	89	79	83	54	42	13	19	22	26	38	52	70
9.00N	87.00W	90	68	66	38	30	9	17	23	18	27	38	67
9.00N	85.00W	83	80	67	40	15	5	13	8	19	11	20	49
9.00N	83.00W	23	6	6	1	0	0	2	2	1	2	2	4
9.00N	81.00W	28	13	18	7	13	7	4	12	16	11	12	23
9.00N	79.00W	9	4	8	3	1	0	3	2	0	0	2	5
9.00N	77.00W	69	34	31	22	15	7	10	10	14	10	16	40
8.00N	84.00W	66	56	36	22	14	8	12	10	10	9	23	43
8.00N	82.00W	79	65	45	32	14	9	12	14	10	13	16	48
8.00N	80.00W	55	23	27	13	3	2	2	3	3	3	3	25
8.00N	78.00W	27	12	15	6	4	0	10	5	4	3	8	25
7.00N	86.00W	61	51	44	24	16	12	13	12	17	22	38	53
7.00N	81.00W	76	60	46	39	16	5	11	5	9	7	11	44
7.00N	79.00W	58	40	42	30	16	8	6	8	7	6	7	25
6.00N	84.00W	56	39	32	19	11	6	17	14	13	16	14	50
6.00N	82.00W	69	45	33	26	20	8	11	9	11	16	11	32
6.00N	80.00W	51	38	43	28	18	8	8	9	10	13	11	25
6.00N	78.00W	29	13	15	12	6	2	3	3	4	3	9	15

TABLE B-17 Sky Cover ≥ 6/10: Percent Frequency of Occurrence, Selected Times

0000 LST		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
18.00N	92.00W	52	59	46	53	50	87	85	82	73	62	48	48
18.00N	90.00W	49	52	50	50	66	88	75	70	75	67	51	46
18.00N	88.00W	36	38	33	34	54	70	70	55	66	61	55	45
18.00N	84.00W	41	53	29	45	57	70	67	73	70	66	51	42
18.00N	81.00W	34	63	28	40	57	57	62	60	72	59	44	38
17.00N	91.00W	45	66	57	60	66	87	84	85	80	72	51	49
17.00N	89.00W	51	65	52	56	70	81	77	74	78	72	61	60
17.00N	87.00W	46	51	32	39	60	73	74	65	76	69	59	55
17.00N	85.00W	41	49	29	38	58	74	70	65	74	64	52	46
17.00N	84.00W	40	46	26	38	58	71	66	69	66	65	48	47
16.00N	92.00W	45	55	40	58	67	82	82	91	92	78	64	51
16.00N	90.00W	41	58	57	53	69	84	75	79	80	77	60	45
16.00N	88.00W	55	74	53	64	77	90	86	87	88	86	77	66
16.00N	86.00W	40	48	41	54	69	78	71	61	74	67	60	56
16.00N	84.00W	44	60	34	49	66	79	80	71	80	74	58	47
16.00N	82.00W	32	57	26	48	50	76	66	70	71	70	52	42
15.00N	93.00W	34	40	36	71	84	93	87	93	97	83	39	34
15.00N	91.00W	29	33	28	60	70	89	84	89	93	71	55	47
15.00N	89.00W	44	43	46	64	67	90	87	87	90	72	62	62
14.00N	87.00W	57	64	52	72	82	82	77	83	92	75	63	63
15.00N	85.00W	45	67	56	71	75	87	86	83	86	71	61	56
15.00N	83.00W	34	51	29	53	54	87	83	80	77	68	51	49
15.00N	81.00W	29	37	20	49	58	70	74	70	77	74	41	45
14.00N	93.00W	10	19	27	59	70	90	78	86	83	70	30	26
14.00N	92.00W	17	36	38	63	83	92	80	91	90	81	45	40
14.00N	90.00W	23	19	31	58	85	96	87	92	92	73	50	33
14.00N	88.00W	28	21	27	67	80	91	83	83	85	76	49	45
14.00N	86.00W	46	57	46	68	80	89	92	90	90	77	64	56
14.00N	84.00W	37	37	29	60	75	87	84	79	80	74	56	48
14.00N	82.00W	30	43	22	58	64	82	84	74	79	71	58	44
14.00N	91.00W	5	24	18	57	78	89	81	83	83	71	40	27
13.00N	89.00W	18	37	32	67	83	93	83	87	92	86	53	35
13.00N	87.00W	26	18	26	47	79	85	84	84	88	80	51	36
13.00N	85.00W	45	32	40	68	68	84	89	85	86	75	70	52
13.00N	83.00W	36	42	31	63	69	84	85	84	81	81	64	53
13.00N	81.00W	28	40	30	59	66	78	82	77	79	77	63	43
12.00N	93.00W	8	18	17	44	70	88	77	85	80	65	39	24
12.00N	90.00W	14	23	25	56	70	86	74	83	87	70	47	27
12.00N	88.00W	16	19	22	58	78	94	74	86	84	81	51	29
12.00N	86.00W	20	25	18	43	63	89	82	84	88	80	68	47
12.00N	84.00W	46	44	32	57	70	86	84	87	86	77	72	60
12.00N	82.00W	28	41	35	65	72	88	87	86	81	89	66	52
12.00N	80.00W	25	39	41	60	71	83	87	77	82	89	62	41
11.00N	91.00W	10	19	20	39	62	92	78	82	80	71	40	30
11.00N	89.00W	13	30	19	44	63	85	78	85	87	72	46	27
11.00N	87.00W	14	27	18	49	74	86	82	87	88	82	60	38
11.00N	85.00W	34	41	38	60	73	91	82	91	89	83	68	42
11.00N	83.00W	41	62	52	69	74	91	94	94	92	88	78	57
11.00N	81.00W	28	44	56	68	78	88	91	88	86	91	76	55
11.00N	79.00W	17	50	59	80	77	84	86	84	89	84	65	52
11.00N	77.00W	23	36	40	73	75	81	76	83	88	80	63	42

TABLE B-17, Cont'd

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
10.00N	89.00W	13	30	17	47	65	89	80	80	82	70	43	23
10.00N	86.00W	23	26	31	62	85	96	94	97	97	96	67	41
10.00N	84.00W	34	38	42	58	69	76	74	87	87	87	72	50
10.00N	82.00W	51	73	70	79	89	92	100	90	92	90	82	59
10.00N	80.00W	30	52	56	72	83	89	92	91	93	94	84	54
10.00N	78.00W	31	54	62	82	87	92	84	82	94	96	73	49
9.00N	91.00W	15	32	15	49	66	89	79	75	81	75	52	30
9.00N	87.00W	20	36	44	69	75	91	89	94	86	82	64	39
9.00N	85.00W	28	45	49	79	92	93	92	98	93	95	78	60
9.00N	83.00W	45	58	61	77	83	89	91	92	99	94	83	69
9.00N	81.00W	66	89	82	94	94	97	100	97	98	97	92	83
9.00N	79.00W	29	30	41	66	82	88	80	86	88	85	74	53
9.00N	77.00W	33	65	71	91	92	90	91	91	94	97	87	62
8.00N	84.00W	43	56	67	88	89	94	90	98	97	97	86	59
8.00N	82.00W	24	45	55	76	87	98	96	97	98	100	92	61
8.00N	80.00W	24	49	44	76	94	97	96	97	96	92	87	59
8.00N	78.00W	48	63	62	87	99	97	91	94	98	96	86	71
7.00N	86.00W	45	57	59	82	92	90	95	96	92	87	70	52
7.00N	81.00W	28	52	49	76	88	91	94	96	96	97	89	70
7.00N	79.00W	45	70	61	80	92	96	97	98	92	94	88	76
6.00N	84.00W	41	62	62	85	90	94	91	94	93	85	79	53
6.00N	82.00W	43	63	59	80	82	93	95	91	89	92	87	70
6.00N	80.00W	60	70	57	73	83	87	92	94	90	88	85	76
6.00N	78.00W	67	75	72	88	92	97	96	98	97	91	85	86

1200 LST

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
18.00N	92.00W	53	51	44	46	56	89	60	67	68	68	51	57
18.00N	90.00W	49	55	48	41	61	86	63	67	64	57	58	58
18.00N	88.00W	43	47	29	42	66	80	66	75	74	75	73	58
18.00N	84.00W	28	44	33	38	57	56	52	46	54	48	50	45
18.00N	81.00W	24	44	28	39	47	51	54	43	54	42	46	34
17.00N	91.00W	58	70	56	42	61	88	67	68	66	63	57	58
17.00N	89.00W	63	78	63	57	73	88	75	82	77	78	69	66
17.00N	87.00W	40	39	27	36	53	64	62	66	58	63	60	45
17.00N	85.00W	28	38	26	37	46	58	55	56	61	52	58	42
17.00N	84.00W	42	51	37	59	66	77	65	64	72	65	70	58
16.00N	92.00W	41	47	31	34	64	85	60	74	82	69	65	48
16.00N	90.00W	57	64	53	56	60	88	73	76	73	66	73	56
16.00N	88.00W	59	70	44	53	61	78	74	78	80	75	83	67
16.00N	86.00W	54	61	45	51	63	81	68	69	61	58	73	61
16.00N	84.00W	33	45	32	48	58	73	71	61	62	61	57	48
16.00N	82.00W	26	33	30	41	51	63	58	46	54	44	49	41
16.00N	93.00W	9	23	24	38	70	79	75	69	73	47	31	26
15.00N	91.00W	25	45	24	32	70	92	79	85	89	77	66	45
15.00N	89.00W	65	62	50	51	71	89	81	84	77	72	77	68
15.00N	87.00W	72	86	55	69	77	96	83	91	94	84	93	78
15.00N	85.00W	67	73	67	79	82	97	82	85	75	70	69	74
15.00N	83.00W	33	38	36	49	52	77	66	59	64	56	53	40
15.00N	81.00W	23	26	25	38	53	59	61	57	51	52	47	38

TABLE B-17, Cont'd

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
14.00N	93.00W	7	17	16	33	69	81	80	74	72	43	27	20
14.00N	92.00W	4	18	19	43	65	79	78	76	71	59	27	28
14.00N	90.00W	16	35	29	58	79	90	76	86	93	84	57	42
14.00N	88.00W	22	30	31	47	72	86	61	66	81	58	50	32
14.00N	86.00W	74	88	63	79	93	93	82	87	83	72	77	80
14.00N	84.00W	57	79	64	79	8[illegible]	94	81	85	78	72	71	71
14.00N	82.00W	25	31	29	56	57	[illegible]2	68	73	65	53	53	46
13.00N	91.00W	9	14	24	46	69	7[illegible]	76	71	77	59	34	19
13.00N	89.00W	9	21	30	40	72	7[illegible]	62	65	74	60	39	22
13.00N	87.00W	13	30	32	39	82	9[illegible]	68	78	82	63	49	38
13.00N	85.00W	68	76	68	82	76	96	85	77	78	80	69	75
13.00N	83.00W	29	39	39	53	66	78	77	76	74	66	57	48
13.00N	81.00W	12	25	35	40	54	75	69	57	66	62	49	38
12.00N	93.00W	10	24	23	42	59	82	76	84	76	48	37	26
12.00N	90.00W	4	19	21	54	69	81	70	68	80	65	37	17
12.00N	88.00W	5	14	11	38	70	79	61	66	69	60	34	14
12.00N	86.00W	52	57	54	74	66	96	94	98	97	88	87	79
12.00N	84.00W	88	93	86	85	87	98	94	91	82	86	84	83
12.00N	82.00W	23	31	32	49	57	82	75	79	78	68	61	45
12.00N	80.00W	19	36	40	53	55	83	77	70	73	74	58	32
11.00N	91.00W	6	17	19	40	59	82	7[illegible]	71	79	58	43	22
11.00N	89.00W	7	15	11	46	63	76	[illegible]	68	72	63	41	18
11.00N	87.00W	5	17	14	30	66	8[illegible]	62	65	60	59	38	23
11.00N	85.00W	56	60	59	82	87	9[illegible]	93	95	98	94	88	69
11.00N	83.00W	27	45	41	58	6[illegible]	9[illegible]	89	86	89	82	72	53
11.00N	81.00W	22	31	40	52	62	89	77	80	82	81	72	44
11.00N	79.00W	9	42	35	63	74	88	88	74	81	79	64	33
11.00N	77.00W	14	51	31	69	7[illegible]	75	67	6[illegible]	82	76	62	44
10.00N	89.00W	6	17	11	38	5[illegible]	80	75	70	72	71	43	19
10.00N	86.00W	5	17	16	38	62	79	75	81	79	71	56	26
10.00N	84.00W	54	60	63	84	88	97	96	97	98	96	91	73
10.00N	82.00W	61	73	80	87	84	98	96	93	91	95	81	76
10.00N	80.00W	18	42	44	66	79	87	87	77	89	81	74	49
10.00N	78.00W	16	52	51	68	75	87	85	8[illegible]	91	87	78	42
9.00N	91.00W	8	20	15	46	54	83	79	7[illegible]	[illegible]3	5[illegible]	46	24
9.00N	87.00W	10	32	31	61	68	88	81	70	76	69	54	25
9.00N	85.00W	14	19	29	58	79	91	86	89	78	[illegible]4	75	44
9.00N	83.00W	67	86	85	98	98	100	96	97	98	9[illegible]	93	90
9.00N	81.00W	65	82	79	87	85	92	95	86	83	86	[illegible]0	67
9.00N	79.00W	58	79	82	86	91	96	96	94	99	96	9[illegible]	73
9.00N	77.00W	28	61	63	71	80	87	84	83	82	84	83	.7
8.00N	84.00W	26	41	60	76	83	91	85	89	87	83	74	49
8.00N	82.00W	17	30	52	61	81	90	85	83	84	81	74	46
8.00N	80.00W	29	52	52	74	89	96	94	94	97	96	90	61
8.00N	78.00W	69	82	70	88	95	100	87	89	90	95	86	71
7.00N	86.00W	36	44	51	73	80	84	82	83	78	75	58	42
7.00N	81.00W	19	38	46	60	81	91	86	94	87	91	83	53
7.00N	79.00W	37	58	55	64	83	91	91	91	92	91	90	73
6.00N	84.00W	38	55	66	80	86	92	79	85	83	83	84	45
6.00N	82.00W	76	54	58	71	74	90	88	89	86	80	84	62
6.00N	80.00W	44	59	47	69	77	89	89	90	88	86	84	73
6.00N	78.00W	65	84	81	87	93	98	96	95	94	92	88	80

TABLE B-18 Days Favorable for Personnel Paradrop Operations (Ceiling ≥ 1,500 ft, Visibility ≥ 3 mi, wind speed ≤ 13 kts), Selected Times

0000Z		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
BELIZE INTL	BZ	29	27	29	28	28	27	28	30	30	30	29	29
LIBERIA	CS	19	13	21	18	28	27	27	29	30	30	28	26
LIMON	CS	28	27	30	28	30	29	30	29	29	30	28	29
NICOYA	CS	27	24	27	27	30	29	30	30	28	29	29	31
PUNTARENAS	CS	30	27	31	29	30	29	30	29	29	29	29	31
SAN JOSE	CS	10	8	14	15	25	22	22	22	22	22	20	18
ACAJUTLA	ES	30	27	30	29	30	30	30	30	28	30	29	31
SAN SALVADOR	ES	28	25	28	28	29	29	30	30	29	30	28	29
SANTA ANA	ES	30	28	30	29	30	28	30	31	30	31	29	31
FLORES	GU	27	27	30	26	26	29	30	31	28	29	28	27
GUATEMALA CITY	GU	22	17	22	14	21	25	24	23	21	25	22	21
HUEHUETENANGO	GU	28	23	26	24	27	26	27	28	27	29	28	30
POPTUN	GU	29	26	30	25	24	29	29	31	27	27	25	29
PUERTO BARRIOS	GU	28	25	29	25	25	26	28	28	29	28	28	27
RETALHULEU	GU	31	28	29	26	25	26	26	28	21	22	28	31
SAN JOSE	GU	30	28	30	22	25	28	30	30	29	29	29	31
CATACAMAS	HO	29	27	30	25	27	29	29	29	29	30	29	29
CHOLUTECA	HO	29	25	29	25	25	27	29	30	28	29	29	28
GUANAJA	HO	19	17	7	16	13	10	14	13	18	23	24	21
ISLAS DEL CISNE	HO	24	23	22	22	23	23	26	28	26	28	26	25
LA CEIBA	HO	28	26	28	24	27	23	24	27	28	27	27	26
PUERTO LEMPIRA	HO	29	25	28	28	28	28	27	28	27	27	23	26
SAN PEDRO SULA	HO	28	26	27	26	26	26	29	29	29	30	28	29
TEGUCIGALPA	HO	29	24	29	24	27	26	28	29	28	28	28	29
TELA	HO	29	25	28	27	26	25	29	30	29	28	27	28
BLUEFIELDS	NK	28	26	28	28	29	24	27	28	28	29	28	28
CHINANDEGA	NK	27	27	29	28	29	27	30	30	29	30	29	30
JUIGALPA	NK	30	28	31	29	31	28	30	30	29	30	29	30
MANAGUA	NK	29	26	30	27	29	28	29	29	29	30	29	30
PUERTO CABEZAS	NK	24	24	25	22	26	20	21	28	27	27	24	26
RIVAS	NK	24	24	28	29	30	27	29	30	29	30	28	29
BOCAS DEL TORO INTL	PM	30	27	30	29	30	29	30	31	30	30	29	31
CHANGUINOLA INTL	PM	30	28	31	29	31	30	30	31	30	31	29	30
DAVID	PM	25	20	25	28	29	26	28	28	25	27	26	30
HOWARD AFB	PM	31	28	31	30	31	30	30	31	30	30	30	31
LA PALMA	PM	30	28	30	30	30	29	31	31	30	30	29	31
PANAMA CITY	PM	28	22	25	24	28	29	29	30	30	30	28	31
PORVENIR	PM	16	16	21	23	29	27	29	30	27	28	26	23
RIO HATO	PM	21	12	12	17	27	29	28	29	29	30	29	28
SANTIAGO	PM	21	14	16	20	27	29	30	30	30	30	29	30
TOCUMEN	PM	29	25	27	27	29	29	30	30	29	29	29	31

0600Z		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
BELIZE INTL	BZ	29	26	29	27	30	28	28	30	27	27	26	27
SAN JOSE	CS	12	10	15	18	26	26	24	24	26	25	24	19
ACAJUTLA	ES	30	27	30	28	28	28	29	30	29	30	29	30
SAN SALVADOR	ES	29	26	30	29	30	28	29	29	28	28	29	30
GUATEMALA CITY	GU	18	17	20	16	20	17	18	17	16	20	16	18
HUEHUETENANGO	GU	31	26	31	29	30	29	30	29	26	29	29	31
PUERTO BARRIOS	GU	28	25	29	26	30	27	29	29	28	27	26	27
SAN JOSE	GU	30	27	31	25	26	28	29	31	29	30	29	29
CATACAMAS	HO	29	28	31	29	27	28	30	28	28	28	29	29
CHOLUTECA	HO	25	24	29	26	28	28	30	30	27	30	28	29
ISLAS DEL CISNE	HO	24	22	22	22	22	22	29	29	25	29	27	25
SAN PEDRO SULA	HO	29	28	30	27	28	28	30	31	29	30	29	29
TEGUCIGALPA	HO	30	27	30	27	29	29	30	30	29	30	28	30
TELA	HO	28	25	29	29	27	28	30	30	30	27	28	29
MANAGUA	NK	31	28	30	29	30	30	30	31	30	30	29	31
HOWARD AFB	PM	31	28	31	30	31	30	31	31	30	30	30	31
TOCUMEN	PM	31	28	31	29	30	29	31	30	29	30	30	31

1200Z		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
BELIZE INTL	BZ	25	22	28	27	29	25	28	28	25	23	23	26
LIMON	CS	28	25	30	27	29	28	29	30	30	30	28	28
NICOYA	CS	29	26	30	28	28	27	28	25	21	22	26	29
PUNTARENAS	CS	31	28	31	30	30	30	30	30	29	30	29	31
SAN JOSE	CS	11	12	15	17	27	25	23	25	27	28	24	20
ACAJUTLA	ES	30	27	31	29	30	30	30	30	30	30	29	31
SAN SALVADOR	ES	29	26	29	27	27	24	28	25	22	24	26	29
SANTA ANA	ES	30	28	30	30	30	27	30	29	27	31	30	30
FLORES	GU	14	18	23	22	20	24	23	19	20	14	15	15
GUATEMALA CITY	GU	17	16	16	13	17	20	21	19	19	22	19	19
HUEHUETENANGO	GU	19	18	24	22	18	23	22	22	20	22	16	16
POPTUN	GU	21	23	26	20	20	27	25	23	20	14	14	22
PUERTO BARRIOS	GU	24	23	27	24	24	28	28	27	28	27	24	24
RETALHULEU	GU	31	27	29	16	20	28	30	30	29	30	29	31
SAN JOSE	GU	26	26	26	17	18	29	30	30	29	30	28	27
CATACAMAS	HO	27	26	30	29	27	28	29	29	27	27	28	28
CHOLUTECA	HO	25	22	28	24	24	29	29	30	27	29	28	27
ISLAS DEL CISNE	HO	25	23	22	22	23	22	27	28	26	28	26	25
SAN PEDRO SULA	HO	28	27	29	27	28	28	30	30	30	29	27	28
TEGUCIGALPA	HO	29	26	30	25	26	27	29	28	25	27	27	27
TELA	HO	29	25	29	28	27	28	30	31	30	28	28	28

TABLE B-18, Cont'd

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
BLUEFIELDS	NK	25	25	28	28	27	26	26	24	26	29	26	27
MANAGUA	NK	30	27	31	29	30	30	30	30	29	30	29	31
PUERTO CABEZAS	NK	23	23	25	24	24	21	19	26	28	27	26	26
RIVAS	NK	20	21	28	26	31	28	26	29	29	30	29	27
BOCAS DEL TORO INTL	PM	30	27	30	30	30	30	29	30	30	30	28	30
CHANGUINOLA INTL	PM	30	28	30	29	31	30	30	31	30	30	29	30
DAVID	PM	30	27	29	29	30	30	30	30	28	29	27	31
FORT SHERMAN	PM	27	25	29	25	27	21	22	20	25	26	22	26
HOWARD AFB	PM	31	28	31	30	30	30	30	30	30	31	29	31
PANAMA CITY	PM	30	27	31	30	30	29	31	30	29	30	29	31
PORVENIR	PM	14	11	16	18	25	28	26	28	26	28	22	15
RIO HATO	PM	29	26	30	29	30	30	30	31	30	31	29	31
TOCUMEN	PM	31	27	31	27	30	29	30	30	30	30	29	31

1800Z		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
BELIZE INTL	BZ	29	24	27	26	25	23	25	26	28	27	26	25
LIBERIA	CS	13	13	10	13	23	24	21	24	27	28	26	16
LIMON	CS	28	26	29	27	30	29	29	29	29	29	28	28
NICOYA	CS	23	23	26	27	30	29	30	30	29	29	28	27
PUNTARENAS	CS	29	26	30	29	30	29	31	30	29	29	29	30
SAN JOSE	CS	4	4	7	10	20	20	17	19	20	23	19	10
ACAJUTLA	ES	30	27	30	27	29	29	30	30	30	30	30	29
SAN SALVADOR	ES	26	24	29	29	29	28	30	30	27	29	25	27
SANTA ANA	ES	31	26	30	29	31	29	30	31	30	30	29	30
FLORES	GU	27	24	29	27	26	29	30	30	29	28	28	26
GUATEMALA CITY	GU	19	17	24	21	24	26	25	25	25	24	20	19
HUEHUETENANGO	GU	28	26	29	27	29	28	28	28	29	28	27	28
POPTUN	GU	25	24	23	23	27	25	25	27	25	21	26	26
PUERTO BARRIOS	GU	26	24	26	25	27	28	29	29	28	27	26	28
RETALHULEU	GU	30	27	30	26	28	28	30	30	29	27	30	31
SAN JOSE	GU	30	27	28	21	22	28	30	30	28	29	29	30
CATACAMAS	HO	30	26	28	26	29	28	27	29	30	29	28	29
CHOLUTECA	HO	23	22	26	20	27	29	29	30	29	29	24	22
GUANAJA	HO	23	21	21	23	26	22	26	26	27	27	24	23
ISLAS DEL CISNE	HO	22	20	18	19	19	20	23	27	24	27	24	24
LA CEIBA	HO	28	26	30	25	27	27	29	29	29	27	27	29
PUERTO LEMPIRA	HO	26	23	30	27	28	27	28	27	28	24	24	26
SAN PEDRO SULA	HO	30	25	29	25	27	29	31	31	30	28	28	29
TEGUCIGALPA	HO	25	22	26	25	27	28	28	29	28	27	22	25
TELA	HO	27	25	29	27	23	28	29	30	30	29	27	28
BLUEFIELDS	NK	23	23	23	26	28	23	21	24	24	26	23	24
CHINANDEGA	NK	23	22	25	27	28	28	29	30	29	29	28	28
JUIGALPA	NK	28	27	30	28	31	29	30	30	29	30	28	28
MANAGUA	NK	22	21	23	24	28	28	26	29	29	29	29	27
PUERTO CABEZAS	NK	22	21	22	21	26	18	16	23	25	24	22	24
RIVAS	NK	18	15	22	23	30	27	24	26	28	28	27	22

TABLE B-18, Cont'd

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
BOCAS DEL TORO INTL	PM	30	27	30	29	30	29	30	30	29	29	28	29
CHANGUINOLA INTL	PM	30	27	30	29	30	29	30	30	30	29	29	29
DAVID	PM	22	19	25	25	29	29	30	29	28	27	27	29
FORT SHERMAN	PM	30	27	29	27	27	22	23	25	26	24	24	28
HOWARD AFB	PM	28	23	25	28	30	29	30	30	29	29	29	30
JAQUE	PM	30	27	30	30	30	29	29	30	29	29	30	30
LA PALMA	PM	30	27	30	29	31	29	31	31	29	29	29	30
PANAMA CITY	PM	25	22	23	26	30	29	30	30	28	28	28	29
PORVENIR	PM	14	14	18	21	28	27	29	30	27	26	25	18
RIO HATO	PM	18	17	19	23	30	29	28	30	29	30	28	27
SANTIAGO	PM	21	21	23	23	30	29	31	30	29	29	29	29
TOCUMEN	PM	20	17	20	21	28	28	29	29	27	27	28	26

TABLE B-19 Days Favorable for Equipment Paradrop Operations (Ceiling ≥ 1,500 ft, Visibility ≥ 3 mi, Wind Speed ≤ 17 kts), Selected Times

0000Z		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
BELIZE INTL	BZ	30	27	30	29	29	29	30	31	30	30	29	29
LIBERIA	CS	21	15	24	20	30	28	28	30	30	30	29	27
LIMON	CS	29	27	30	29	30	30	30	30	29	30	28	29
NICOYA	CS	30	27	30	29	31	29	30	30	28	29	29	31
PUNTARENAS	CS	31	28	31	30	30	29	30	29	29	30	29	31
SAN JOSE	CS	15	12	19	20	26	23	25	24	22	23	22	22
ACAJUTLA	ES	31	28	31	30	30	30	31	31	29	31	30	31
SAN SALVADOR	ES	30	27	30	29	30	29	30	30	29	30	30	30
SANTA ANA	ES	30	28	31	30	30	28	30	31	30	31	29	31
FLORES	GU	28	27	30	26	26	30	31	31	28	29	28	27
GUATEMALA CITY	GU	27	23	27	19	23	26	29	25	23	27	26	26
HUEHUETENANGO	GU	30	27	30	28	28	28	30	30	27	30	29	31
POPTUN	GU	29	27	31	25	25	29	30	31	27	27	25	29
PUERTO BARRIOS	GU	28	26	29	27	26	27	29	29	29	29	28	28
RETALHULEU	GU	31	28	29	26	25	26	26	28	22	23	28	31
SAN JOSE	GU	31	28	30	22	25	28	30	30	29	29	29	31
CATACAMAS	HO	30	28	30	27	28	29	30	30	29	31	30	30
CHOLUTECA	HO	30	27	30	26	26	28	29	30	28	29	30	30
GUANAJA	HO	26	20	14	22	14	13	19	19	21	27	27	29
ISLAS DEL CISNE	HO	29	27	29	28	29	28	29	30	27	29	29	30
LA CEIBA	HO	29	27	28	26	28	25	27	29	29	27	27	26
PUERTO LEMPIRA	HO	29	24	29	29	30	29	29	30	29	28	25	29
SAN PEDRO SULA	HO	29	27	29	28	28	28	30	31	29	30	28	30
TEGUCIGALPA	HO	30	27	30	25	27	27	30	29	28	29	29	30
TELA	HO	29	26	29	27	26	26	30	30	29	28	27	28
BLUEFIELDS	NK	29	28	29	29	29	25	28	28	28	29	28	29
CHINANDEGA	NK	29	27	31	30	30	28	31	31	30	30	30	31
JUIGALPA	NK	31	28	31	30	31	29	31	30	29	31	30	31
MANAGUA	NK	31	28	31	29	30	29	30	30	29	31	30	31
PUERTO CABEZAS	NK	28	26	29	27	29	25	26	30	29	28	26	29
RIVAS	NK	29	27	31	30	30	29	31	31	30	31	29	31
BOCAS DEL TORO INTL	PM	31	28	31	30	31	30	31	31	30	31	29	31
CHANGUINOLA INTL	PM	30	28	31	29	31	30	31	31	30	31	30	31
DAVID	PM	27	21	28	28	29	26	28	28	26	27	26	30
HOWARD AFB	PM	31	28	31	30	31	30	30	31	30	31	30	31
LA PALMA	PM	31	28	31	30	30	30	31	31	30	31	29	31
PANAMA CITY	PM	30	27	28	29	30	30	31	30	30	30	30	31
PORVENIR	PM	25	24	27	28	31	30	31	31	29	31	29	28
RIO HATO	PM	28	23	21	23	29	30	30	30	30	31	30	31
SANTIAGO	PM	28	23	25	26	30	30	31	31	30	30	30	31
TOCUMEN	PM	31	28	30	29	30	29	30	30	29	29	29	31

TABLE B-19, Cont'd

0600Z		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
BELIZE INTL	BZ	29	26	29	28	30	28	30	31	27	27	27	27
SAN JOSE	CS	16	14	18	20	27	27	25	26	26	26	25	22
ACAJUTLA	ES	31	28	31	29	28	28	30	30	29	31	30	31
SAN SALVADOR	ES	30	28	30	29	30	29	29	29	28	29	29	31
GUATEMALA CITY	GU	21	19	22	17	20	17	20	18	16	20	18	19
HUEHUETENANGO	GU	31	27	31	29	30	29	31	29	26	29	29	31
PUERTO BARRIOS	GU	29	26	29	27	30	27	29	29	29	28	26	27
SAN JOSE	GU	30	27	31	25	27	28	30	31	29	31	29	30
CATACAMAS	HO	29	28	31	29	28	28	30	28	29	29	29	30
CHOLUTECA	HO	28	26	30	26	28	28	31	30	27	30	29	30
ISLAS DEL CISNE	HO	29	27	28	28	27	28	30	31	28	30	30	30
SAN PEDRO SULA	HO	29	28	31	27	29	29	31	31	30	30	29	29
TEGUCIGALPA	HO	30	28	30	27	29	29	31	31	29	30	29	30
TELA	HO	29	25	30	29	27	28	31	30	30	27	28	29
MANAGUA	NK	31	28	31	30	31	30	31	31	30	30	30	31
HOWARD AFB	PM	31	28	31	30	31	30	31	31	30	31	30	31
TOCUMEN	PM	31	28	31	30	31	30	31	31	30	31	30	31

1200Z		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
BELIZE INTL	BZ	25	23	29	27	29	26	29	28	25	23	23	27
LIMON	CS	28	26	30	28	30	28	29	30	30	31	29	28
NICOYA	CS	30	28	31	29	28	27	28	25	21	22	26	29
PUNTARENAS	CS	31	28	31	30	30	30	30	31	29	30	29	31
SAN JOSE	CS	17	15	20	21	29	27	26	27	28	29	26	23
ACAJUTLA	ES	30	27	31	29	30	30	30	31	30	31	30	31
SAN SALVADOR	ES	30	27	29	28	27	24	28	25	22	24	28	30
SANTA ANA	ES	30	28	30	30	31	27	30	29	27	31	30	30
FLORES	GU	14	19	23	22	20	24	23	20	20	14	15	15
GUATEMALA CITY	GU	19	18	17	14	17	20	22	20	19	22	21	21
HUEHUETENANGO	GU	20	18	24	22	18	23	22	22	20	22	16	16
POPTUN	GU	21	23	27	22	20	27	25	23	20	14	14	22
PUERTO BARRIOS	GU	25	24	27	25	24	28	28	27	28	27	25	25
RETALHULEU	GU	31	28	29	17	21	28	31	31	29	30	29	31
SAN JOSE	GU	26	26	26	17	18	29	30	30	29	30	28	27
CATACAMAS	HO	27	27	31	29	27	28	30	29	27	28	29	28
CHOLUTECA	HO	28	25	30	25	24	29	30	30	28	29	29	29
ISLAS DEL CISNE	HO	30	27	28	29	29	28	30	30	28	29	28	29
SAN PEDRO SULA	HO	28	27	29	27	28	28	30	30	30	29	27	29
TEGUCIGALPA	HO	30	27	31	26	26	27	29	28	25	27	27	28
TELA	HO	30	25	29	28	27	28	30	31	30	28	28	28

TABLE B-19, Cont'd

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
BLUEFIELDS	NK	27	27	29	29	28	26	27	24	26	29	26	27
MANAGUA	NK	31	28	31	30	30	30	31	30	29	31	30	31
PUERTO CABEZAS	NK	24	25	29	27	26	24	25	28	28	28	26	27
RIVAS	NK	28	25	30	28	31	29	28	30	30	30	30	30
BOCAS DEL TORO INTL	PM	31	28	30	30	30	30	30	31	30	31	28	30
CHANGUINOLA INTL	PM	30	28	30	29	31	30	31	31	30	31	29	30
DAVID	PM	30	28	30	30	31	30	30	30	28	29	27	31
FORT SHERMAN	PM	27	26	29	25	27	21	22	20	25	26	22	26
HOWARD AFB	PM	31	28	31	30	31	30	31	31	30	31	30	31
PANAMA CITY	PM	31	28	31	30	31	30	31	31	30	31	30	31
PORVENIR	PM	22	19	23	26	30	30	29	30	29	30	27	24
RIO HATO	PM	31	27	31	30	31	30	31	31	30	31	30	31
TOCUMEN	PM	31	28	31	30	30	29	31	30	30	30	30	31

1800Z

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
BELIZE INTL	BZ	30	26	30	29	29	28	30	30	29	28	28	27
LIBERIA	CS	16	13	16	17	26	26	27	26	29	30	29	21
LIMON	CS	29	27	31	28	30	29	30	29	30	30	29	29
NICOYA	CS	29	27	29	30	31	30	31	30	29	30	29	30
PUNTARENAS	CS	31	27	31	29	31	30	31	31	29	31	30	31
SAN JOSE	CS	8	7	13	16	25	24	20	23	25	28	23	16
ACAJUTLA	ES	31	28	31	29	29	30	31	31	30	31	30	31
SAN SALVADOR	ES	29	26	30	30	30	28	31	30	28	30	28	30
SANTA ANA	ES	31	27	31	30	31	29	30	31	30	31	30	31
FLORES	GU	27	24	30	27	26	29	31	31	29	29	28	26
GUATEMALA CITY	GU	24	22	29	25	28	28	29	28	28	29	26	26
HUEHUETENANGO	GU	29	28	30	29	29	30	31	30	30	30	28	30
POPTUN	GU	27	27	27	25	27	26	27	29	26	23	27	27
PUERTO BARRIOS	GU	27	26	29	27	28	29	30	30	29	29	28	28
RETALHULEU	GU	30	28	30	26	28	29	31	30	29	28	30	31
SAN JOSE	GU	31	28	30	22	23	29	30	31	29	31	30	31
CATACAMAS	HO	30	28	30	28	30	29	30	30	30	31	29	30
CHOLUTECA	HO	27	25	28	23	28	29	30	31	29	30	27	27
GUANAJA	HO	27	24	25	25	28	25	28	27	29	28	25	27
ISLAS DEL CISNE	HO	28	27	29	27	29	29	29	30	28	30	27	30
LA CEIBA	HO	28	27	30	26	27	27	30	31	29	29	27	29
PUERTO LEMPIRA	HO	28	25	30	28	29	29	29	29	29	27	26	29
SAN PEDRO SULA	HO	31	26	29	26	28	29	31	31	30	29	29	29
TEGUCIGALPA	HO	29	26	30	26	28	29	30	30	30	30	28	30
TELA	HO	28	26	30	28	24	28	31	31	30	29	28	28
BLUEFIELDS	NK	28	27	27	28	28	24	24	25	25	28	25	26
CHINANDEGA	NK	28	27	29	29	30	29	30	31	29	31	29	30
JUIGALPA	NK	31	28	31	29	31	29	31	31	30	31	30	31
MANAGUA	NK	29	27	29	29	30	30	29	30	30	30	30	30
PUERTO CABEZAS	NK	29	26	29	28	29	25	26	30	28	30	26	28
RIVAS	NK	25	22	27	28	31	30	29	30	30	31	29	28

TABLE B-19, Cont'd

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
BOCAS DEL TORO INTL	PM	31	28	31	30	31	30	31	31	30	31	29	30
CHANGUINOLA INTL	PM	30	28	30	30	31	30	31	31	30	31	30	30
DAVID	PM	24	22	26	27	30	30	30	29	28	30	28	30
FORT SHERMAN	PM	30	28	30	27	27	22	23	25	26	25	24	28
HOWARD AFB	PM	31	28	30	30	31	30	31	31	30	30	29	30
JAQUE	PM	31	28	31	30	30	29	29	31	29	30	30	31
LA PALMA	PM	31	28	31	30	31	30	31	31	30	31	30	31
PANAMA CITY	PM	29	25	27	29	31	30	31	31	30	30	29	31
PORVENIR	PM	23	22	27	28	30	30	31	31	29	30	29	27
RIO HATO	PM	27	23	25	27	30	30	30	31	30	31	29	30
SANTIAGO	PM	25	25	29	28	31	30	31	31	30	31	30	30
TOCUMEN	PM	25	23	26	26	30	29	30	30	28	29	29	29

TABLE B-20 Days Favorable for Container Paradrop Operations (Ceiling ≥ 1,500 ft, Visibility ≥ 3 mi, Wind Speed ≤ 21 kts), Selected Times

0000Z		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
BELIZE INTL	BZ	30	28	30	29	29	29	30	31	30	30	29	29
LIBERIA	CS	29	23	30	26	30	29	30	30	30	30	29	31
LIMON	CS	29	27	30	29	30	30	30	30	29	30	28	29
NICOYA	CS	31	28	31	29	31	29	30	30	28	29	29	31
PUNTARENAS	CS	31	28	31	30	30	29	30	29	29	30	29	31
SAN JOSE	CS	26	23	28	28	27	24	28	25	23	23	24	28
ACAJUTLA	ES	31	28	31	30	30	30	31	31	29	31	30	31
SAN SALVADOR	ES	31	28	31	29	30	29	30	30	29	30	30	31
SANTA ANA	ES	31	28	31	30	30	28	31	31	30	31	29	31
FLORES	GU	28	27	30	27	26	30	31	31	28	29	28	27
GUATEMALA CITY	GU	30	27	29	21	23	27	30	27	23	27	28	29
HUEHUETENANGO	GU	31	28	31	29	28	28	30	30	27	30	29	31
POPTUN	GU	29	27	31	25	25	30	30	31	27	27	25	29
PUERTO BARRIOS	GU	29	26	30	27	26	27	29	29	29	29	28	28
RETALHULEU	GU	31	28	30	26	25	26	26	28	22	23	28	31
SAN JOSE	GU	31	28	30	22	25	28	30	30	29	29	29	31
CATACAMAS	HO	30	28	31	27	29	29	30	30	29	30	30	31
CHOLUTECA	HO	31	28	31	28	26	28	30	30	28	29	30	31
GUANAJA	HO	28	26	28	26	25	23	24	28	27	29	28	28
ISLAS DEL CISNE	HO	30	28	30	30	30	29	30	30	28	29	29	30
LA CEIBA	HO	29	27	29	27	28	27	30	30	29	28	27	26
PUERTO LEMPIRA	HO	30	26	30	30	30	29	29	30	29	28	26	29
SAN PEDRO SULA	HO	29	27	29	28	28	28	30	31	30	30	29	30
TEGUCIGALPA	HO	31	28	31	26	27	27	30	29	29	29	29	30
TELA	HO	29	26	30	28	26	27	30	30	29	28	27	28
BLUEFIELDS	NK	29	28	29	29	29	25	28	28	28	29	28	29
CHINANDEGA	NK	31	28	31	30	30	28	31	31	30	30	30	31
JUIGALPA	NK	31	28	31	30	31	29	31	30	29	31	30	31
MANAGUA	NK	31	28	31	29	31	29	30	30	29	30	30	31
PUERTO CABEZAS	NK	30	27	30	29	29	26	29	30	29	28	26	30
RIVAS	NK	31	28	31	30	30	30	31	31	30	31	30	31
BOCAS DEL TORO INTL	PM	31	28	31	30	31	30	31	31	30	31	29	31
CHANGUINOLA INTL	PM	30	28	31	29	31	30	31	31	30	31	29	31
DAVID	PM	31	28	30	29	29	26	28	29	26	27	26	30
HOWARD AFB	PM	31	28	31	30	31	30	30	31	30	31	30	31
LA PALMA	PM	31	28	31	30	31	30	31	31	30	31	29	31
PANAMA CITY	PM	31	28	31	30	31	30	31	31	30	31	30	31
PORVENIR	PM	30	28	31	30	31	30	31	31	30	31	30	31
RIO HATO	PM	31	28	31	29	30	30	31	31	30	31	30	31
SANTIAGO	PM	31	27	31	30	30	30	31	31	30	30	29	31
TOCUMEN	PM	31	28	31	30	30	29	30	30	29	29	29	31

TABLE B-20, Cont'd

0600Z		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
BELIZE INTL	BZ	29	26	29	28	30	28	30	31	27	27	27	27
SAN JOSE	CS	26	24	28	27	28	28	29	29	27	26	27	29
ACAJUTLA	ES	30	28	31	29	29	28	30	30	30	31	30	31
SAN SALVADOR	ES	31	28	31	29	30	29	29	29	28	29	29	31
GUATEMALA CITY	GU	22	21	22	18	20	17	20	18	16	20	18	21
HUEHUETENANGO	GU	31	28	31	29	30	29	31	29	26	29	29	31
PUERTO BARRIOS	GU	30	27	30	27	30	27	29	29	29	28	27	28
SAN JOSE	GU	30	27	31	25	27	28	30	31	29	31	29	30
CATACAMAS	HO	29	28	31	29	28	28	30	28	29	29	29	30
CHOLUTECA	HO	30	28	30	28	28	29	31	30	27	30	30	31
ISLAS DEL CISNE	HO	30	28	31	30	31	29	31	31	29	30	30	30
SAN PEDRO SULA	HO	29	28	31	27	29	29	31	31	30	30	29	29
TEGUCIGALPA	HO	30	28	30	27	29	29	31	31	29	30	29	30
TELA	HO	29	25	30	29	27	28	31	30	30	27	28	29
MANAGUA	NK	31	28	31	30	31	30	31	31	30	30	30	31
HOWARD AFB	PM	31	28	31	30	31	30	31	31	30	31	30	31
TOCUMEN	PM	31	28	31	30	31	30	31	31	30	31	30	31

1200Z		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
BELIZE INTL	BZ	25	23	29	27	29	26	29	28	25	23	23	27
LIMON	CS	28	26	30	28	30	28	29	30	30	31	29	28
NICOYA	CS	31	28	31	29	28	27	28	25	21	22	26	30
PUNTARENAS	CS	31	28	31	30	30	30	30	31	29	30	29	31
SAN JOSE	CS	27	25	29	27	30	29	30	30	29	29	30	29
ACAJUTLA	ES	31	28	31	29	30	30	30	31	30	31	30	31
SAN SALVADOR	ES	31	28	30	28	27	24	28	25	22	24	28	31
SANTA ANA	ES	30	28	31	30	31	27	30	29	27	31	30	30
FLORES	GU	14	19	23	22	20	24	23	20	20	14	15	15
GUATEMALA CITY	GU	20	18	17	14	17	20	22	20	19	22	21	21
HUEHUETENANGO	GU	20	18	24	22	18	23	22	22	20	22	16	16
POPTUN	GU	21	23	27	22	20	27	25	23	20	14	14	22
PUERTO BARRIOS	GU	26	25	27	25	24	28	28	27	28	28	25	25
RETALHULEU	GU	31	28	29	17	21	28	31	31	29	30	29	31
SAN JOSE	GU	26	26	26	17	18	29	30	30	29	30	28	27
CATACAMAS	HO	28	27	31	29	27	28	30	29	27	28	29	28
CHOLUTECA	HO	31	27	31	26	24	30	30	30	28	29	30	30
ISLAS DEL CISNE	HO	31	28	30	29	30	29	30	30	29	29	29	30
SAN PEDRO SULA	HO	28	28	29	27	28	28	30	30	30	29	27	29
TEGUCIGALPA	HO	30	27	31	26	26	27	29	28	25	27	27	29
TELA	HO	30	25	29	28	27	28	30	31	30	28	28	28

TABLE B-20, Cont'd

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
BLUEFIELDS	NK	28	27	29	29	28	26	27	24	26	29	26	27
MANAGUA	NK	31	28	31	30	30	30	31	30	29	31	30	31
PUERTO CABEZAS	NK	26	26	29	27	27	25	26	28	29	31	27	28
RIVAS	NK	30	28	31	30	31	29	29	30	30	30	30	31
BOCAS DEL TORO INTL	PM	31	28	31	30	30	30	30	31	30	31	29	30
CHANGUINOLA INTL	PM	30	28	30	29	31	30	31	31	30	31	29	30
DAVID	PM	31	28	31	30	31	30	30	30	28	29	27	31
FORT SHERMAN	PM	27	26	29	25	27	21	22	20	25	26	22	26
HOWARD AFB	PM	31	28	31	30	31	30	31	31	30	31	30	31
PANAMA CITY	PM	31	28	31	30	31	30	31	31	30	31	30	31
PORVENIR	PM	30	28	31	30	31	30	30	31	30	31	29	31
RIO HATO	PM	31	28	31	30	31	30	31	31	30	31	30	31
TOCUMEN	PM	31	28	31	30	30	29	31	30	30	30	30	31

1800Z		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
BELIZE INTL	BZ	30	26	31	29	29	28	30	30	29	28	28	27
LIBERIA	CS	24	23	27	27	31	28	29	30	30	31	30	28
LIMON	CS	29	27	31	28	30	29	30	29	30	30	29	30
NICOYA	CS	31	28	31	30	31	30	31	30	29	30	29	30
PUNTARENAS	CS	31	27	31	30	31	30	31	31	29	31	30	31
SAN JOSE	CS	20	20	26	24	30	28	28	29	29	30	29	26
ACAJUTLA	ES	31	28	31	29	29	30	31	31	30	31	30	31
SAN SALVADOR	ES	31	28	31	30	30	28	31	30	28	30	29	31
SANTA ANA	ES	31	28	31	30	31	29	30	31	30	31	30	31
FLORES	GU	27	24	30	28	26	29	31	31	29	29	28	26
GUATEMALA CITY	GU	30	26	31	27	28	29	30	30	29	31	29	30
HUEHUETENANGO	GU	31	28	31	29	29	30	31	31	30	30	28	30
POPTUN	GU	28	28	30	26	28	27	27	29	26	23	27	27
PUERTO BARRIOS	GU	28	26	29	29	29	29	30	30	29	29	29	29
RETALHULEU	GU	30	28	30	26	28	29	31	31	29	28	30	31
SAN JOSE	GU	31	28	30	22	23	29	31	31	29	31	30	31
CATACAMAS	HO	31	28	31	29	30	29	30	31	30	31	29	30
CHOLUTECA	HO	30	27	30	26	28	30	31	31	29	30	30	30
GUANAJA	HO	29	26	29	29	29	29	29	28	29	29	28	30
ISLAS DEL CISNE	HO	30	28	30	30	31	29	30	31	29	30	28	30
LA CEIBA	HO	28	27	30	27	28	28	31	31	29	29	27	29
PUERTO LEMPIRA	HO	30	26	31	29	29	29	30	29	29	28	28	29
SAN PEDRO SULA	HO	31	26	30	26	28	29	31	31	30	29	29	29
TEGUCIGALPA	HO	30	28	31	27	28	29	31	31	30	31	30	30
TELA	HO	28	26	30	28	24	28	31	31	30	29	28	28
BLUEFIELDS	NK	28	27	28	28	28	25	24	25	25	28	26	28
CHINANDEGA	NK	30	28	30	30	30	30	30	31	29	31	29	31
JUIGALPA	NK	31	28	31	30	31	29	31	31	30	31	30	31
MANAGUA	NK	31	28	31	29	31	30	30	30	30	30	30	31
PUERTO CABEZAS	NK	30	27	30	29	31	27	29	30	29	30	28	30
RIVAS	NK	30	26	30	29	31	30	30	31	30	31	30	31

TABLE B-20, Cont'd

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
BOCAS DEL TORO INTL	PM	31	28	31	30	31	30	31	31	30	31	30	30
CHANGUINOLA INTL	PM	30	28	31	30	31	30	31	31	30	31	30	30
DAVID	PM	30	26	29	30	31	30	31	29	28	30	28	31
FORT SHERMAN	PM	30	28	30	27	27	22	23	25	26	25	24	28
HOWARD AFB	PM	31	28	31	30	31	30	31	31	30	30	29	30
JAQUE	PM	31	28	31	30	30	29	29	31	29	30	30	31
LA PALMA	PM	31	28	31	30	31	30	31	31	30	31	30	31
PANAMA CITY	PM	31	28	31	30	31	30	31	31	30	30	30	31
PORVENIR	PM	30	28	31	30	31	30	31	31	30	31	30	31
RIO HATO	PM	31	28	31	30	31	30	31	31	30	31	30	31
SANTIAGO	PM	29	28	31	30	31	30	31	30	30	31	30	31
TOCUMEN	PM	30	28	30	29	31	29	31	30	29	30	29	31

TABLE B-21 Days Favorable for HALO Paradrop Operations (Ceiling ≥ 2,500 ft, Visibility ≥ 5 mi, Wind Speed ≤ 13 kts), Selected Times

0000Z		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
BELIZE INTL	BZ	28	27	27	25	27	25	27	28	29	29	27	26
LIBERIA	CS	19	13	20	17	26	27	24	25	26	27	28	26
LIMON	CS	25	24	27	27	28	27	27	28	27	27	24	25
NICOYA	CS	27	24	26	27	29	27	27	27	24	24	26	29
PUNTARENAS	CS	30	27	31	29	28	27	29	27	26	27	27	31
SAN JOSE	CS	10	8	13	15	22	19	20	19	18	17	16	16
ACAJUTLA	ES	30	27	30	27	26	29	30	30	27	30	30	31
SAN SALVADOR	ES	28	25	28	25	26	27	29	29	27	29	28	29
SANTA ANA	ES	30	28	30	29	30	27	30	31	29	31	29	31
FLORES	GU	24	25	28	24	22	27	29	30	26	26	25	24
GUATEMALA CITY	GU	20	15	16	7	13	19	20	18	17	19	19	19
HUEHUETENANGO	GU	26	22	23	20	20	20	23	23	20	24	23	28
POPTUN	GU	28	24	27	25	20	28	29	30	23	24	19	26
PUERTO BARRIOS	GU	24	21	25	19	21	21	21	24	25	24	22	23
RETALHULEU	GU	29	27	24	20	16	23	22	20	15	18	26	29
SAN JOSE	GU	30	26	24	13	13	24	26	26	23	24	27	30
CATACAMAS	HO	28	26	29	23	25	26	27	28	28	28	29	28
CHOLUTECA	HO	29	24	29	22	22	26	28	29	25	27	29	28
GUANAJA	HO	18	14	7	16	12	7	13	13	17	22	19	18
ISLAS DEL CISNE	HO	24	23	22	22	23	23	26	28	25	28	26	25
LA CEIBA	HO	24	22	25	22	24	20	22	24	25	25	22	20
PUERTO LEMPIRA	HO	27	22	26	27	27	24	25	25	26	26	22	25
SAN PEDRO SULA	HO	28	25	26	24	23	24	26	29	29	28	28	28
TEGUCIGALPA	HO	28	24	29	21	24	24	27	28	26	26	26	27
TELA	HO	24	21	27	22	23	21	23	24	25	23	21	21
BLUEFIELDS	NK	27	25	26	26	26	21	23	24	24	24	24	26
CHINANDEGA	NK	27	25	28	26	28	24	28	29	27	26	28	30
JUIGALPA	NK	30	28	31	27	27	25	26	30	27	30	27	29
MANAGUA	NK	29	26	29	24	28	26	27	27	26	26	29	30
PUERTO CABEZAS	NK	22	22	23	21	23	17	17	23	25	26	22	23
RIVAS	NK	24	24	28	27	30	26	28	28	27	26	27	28
BOCAS DEL TORO INTL	PM	29	26	30	27	29	28	29	30	28	29	27	29
CHANGUINOLA INTL	PM	28	26	30	27	29	29	27	30	28	29	26	29
DAVID	PM	25	20	23	26	24	22	25	24	20	20	21	28
HOWARD AFB	PM	31	28	31	30	30	29	30	30	29	30	29	31
LA PALMA	PM	30	28	30	30	28	28	30	29	28	28	28	30
PANAMA CITY	PM	28	22	25	24	27	27	28	29	29	29	28	30
PORVENIR	PM	28	16	20	22	29	27	29	30	27	28	25	22
RIO HATO	PM	16	12	12	17	27	28	28	28	28	27	28	28
SANTIAGO	PM	20	14	16	19	25	28	30	29	28	28	27	30
TOCUMEN	PM	29	25	26	26	28	27	29	29	27	27	27	30

0600Z		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
BELIZE INTL	BZ	27	25	26	26	25	22	26	28	23	26	25	25
SAN JOSE	CS	12	10	15	18	26	26	23	24	24	24	23	19
ACAJUTLA	ES	30	27	30	25	23	27	29	28	27	30	29	30
SAN SALVADOR	ES	29	26	30	27	30	26	28	27	25	26	28	30
GUATEMALA CITY	GU	14	15	17	10	13	12	14	13	12	15	14	13
HUEHUETENANGO	GU	28	26	28	23	25	19	26	23	20	23	24	26
PUERTO BARRIOS	GU	23	21	24	17	26	18	21	21	22	21	21	21
SAN JOSE	GU	27	24	30	25	11	20	23	23	25	27	26	28
CATACAMAS	HO	28	27	29	27	26	26	28	26	26	28	27	28
CHOLUTECA	HO	25	23	29	23	25	27	30	29	25	29	28	29
ISLAS DEL CISNE	HO	24	22	22	22	22	22	29	29	25	29	27	25
SAN PEDRO SULA	HO	28	26	28	24	25	27	30	30	29	28	27	28
TEGUCIGALPA	HO	27	27	29	23	25	26	29	29	26	27	25	27
TELA	HO	23	23	27	24	21	25	27	27	28	24	23	25
MANAGUA	NK	30	28	30	28	28	28	30	30	28	28	29	31
HOWARD AFB	PM	31	28	31	30	31	30	31	31	30	30	30	31
TOCUMEN	PM	31	28	30	28	30	29	31	30	29	29	29	31

1200Z		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
BELIZE INTL	BZ	23	20	26	24	23	22	24	24	23	19	20	23
LIMON	CS	25	22	28	25	27	25	26	28	29	30	28	26
NICOYA	CS	29	26	30	28	27	25	28	24	19	21	26	29
PUNTARENAS	CS	31	28	31	30	30	28	30	30	28	29	27	30
SAN JOSE	CS	11	12	14	17	27	24	22	25	26	27	23	20
ACAJUTLA	ES	30	27	30	26	25	29	30	30	29	30	29	31
SAN SALVADOR	ES	29	26	29	25	23	22	28	24	19	23	26	29
SANTA ANA	ES	30	28	30	28	28	27	30	27	26	30	30	30
FLORES	GU	14	17	21	20	16	21	21	18	19	13	13	14
GUATEMALA CITY	GU	13	13	13	9	13	16	17	17	16	20	16	15
HUEHUETENANGO	GU	15	14	20	17	13	18	18	17	16	17	12	12
POPTUN	GU	19	22	25	19	20	24	22	21	19	12	14	20
PUERTO BARRIOS	GU	19	16	21	17	19	21	22	19	23	20	17	17
RETALHULEU	GU	31	26	24	12	19	26	30	28	27	30	29	31
SAN JOSE	GU	25	24	21	9	10	26	27	28	27	29	27	25
CATACAMAS	HO	25	26	29	28	24	24	27	26	24	24	26	24
CHOLUTECA	HO	25	23	28	23	22	29	29	29	26	28	28	27
ISLAS DEL CISNE	HO	25	23	22	22	23	22	27	29	26	28	25	25
SAN PEDRO SULA	HO	26	25	28	22	24	27	28	29	29	26	27	26
TEGUCIGALPA	HO	25	24	28	22	21	22	25	24	21	21	20	21
TELA	HO	27	23	24	26	24	26	29	29	28	23	23	23

TABLE B-21, Cont'd

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
BLUEFIELDS	NK	22	22	25	26	23	22	21	19	23	26	24	25
MANAGUA	NK	30	27	30	29	29	28	29	29	28	28	29	30
PUERTO CABEZAS	NK	20	21	22	22	20	18	16	22	24	25	23	21
RIVAS	NK	20	21	26	26	30	25	23	25	28	26	27	25
BOCAS DEL TORO INTL	PM	27	26	27	25	29	27	26	27	28	28	24	26
CHANGUINOLA INTL	PM	28	24	28	25	28	26	26	29	29	29	26	26
DAVID	PM	30	27	29	28	29	29	28	28	28	27	26	31
FORT SHERMAN	PM	27	25	27	21	25	19	19	19	25	25	19	23
HOWARD AFB	PM	31	28	31	30	30	29	30	30	30	31	29	31
PANAMA CITY	PM	30	28	30	29	29	27	30	29	28	29	29	30
PORVENIR	PM	14	11	16	18	25	27	24	28	24	27	21	14
RIO HATO	PM	29	26	38	28	30	30	30	31	30	30	29	30
TOCUMEN	PM	31	28	28	28	29	28	30	30	28	29	29	31

1800Z

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
BELIZE INTL	BZ	25	21	25	23	23	20	23	24	25	22	22	23
LIBERIA	CS	13	13	10	12	22	24	20	23	26	27	25	16
LIMON	CS	27	25	28	25	29	28	27	28	28	29	27	27
NICOYA	CS	23	23	26	26	30	29	30	28	26	27	26	27
PUNTARENAS	CS	29	27	30	29	30	30	31	30	29	30	29	31
SAN JOSE	CS	4	4	7	10	20	20	17	19	20	23	19	10
ACAJUTLA	ES	30	27	30	26	25	29	30	30	29	30	30	29
SAN SALVADOR	ES	26	24	19	27	27	27	30	29	26	28	25	27
SANTA ANA	ES	31	26	30	29	31	29	30	31	29	30	29	30
FLORES	GU	21	20	26	24	21	23	25	26	23	22	21	22
GUATEMALA CITY	GU	16	14	28	15	16	15	16	13	17	16	16	15
HUEHUETENANGO	GU	27	25	28	24	24	25	26	24	25	23	23	26
POPTUN	GU	15	15	17	13	16	15	16	18	13	9	15	15
PUERTO BARRIOS	GU	22	20	23	19	24	25	25	25	27	26	23	24
RETALHULEU	GU	30	26	26	18	21	27	27	27	25	25	29	31
SAN JOSE	GU	30	26	22	11	14	26	29	29	27	28	29	30
CATACAMAS	HO	29	26	28	25	28	26	26	28	29	29	27	28
CHOLUTECA	HO	23	22	26	19	25	28	29	30	28	29	24	22
GUANAJA	HO	20	19	18	21	26	21	25	26	26	23	20	22
ISLAS DEL CISNE	HO	22	20	18	19	19	20	23	27	24	27	24	24
LA CEIBA	HO	26	26	28	23	24	25	28	29	28	27	24	24
PUERTO LEMPIRA	HO	22	20	26	24	24	23	24	23	25	24	24	21
SAN PEDRO SULA	HO	28	24	27	23	26	29	30	31	29	28	28	26
TEGUCIGALPA	HO	25	22	25	22	25	28	27	29	28	27	22	24
TELA	HO	25	23	25	23	21	24	27	29	29	25	22	23
BLUEFIELDS	NK	19	18	18	21	22	19	17	21	23	24	20	22
CHINANDEGA	NK	23	22	24	25	26	28	29	30	29	27	27	28
JUIGALPA	NK	27	27	30	28	31	26	28	29	26	28	25	28
MANAGUA	NK	21	21	22	23	27	26	24	28	27	29	28	27
PUERTO CABEZAS	NK	21	20	21	20	24	15	15	21	22	23	19	21
RIVAS	NK	18	15	22	23	28	25	22	25	26	27	25	22

TABLE B-21, Cont'd

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
BOCAS DEL TORO INTL	PM	27	25	29	27	30	27	27	28	28	29	26	26
CHANGUINOLA INTL	PM	28	26	29	27	30	28	29	29	28	29	27	27
DAVID	PM	22	19	23	24	27	26	28	26	26	25	24	29
FORT SHERMAN	PM	28	26	28	25	25	17	20	22	24	24	22	27
HOWARD AFB	PM	28	23	25	27	30	29	30	30	29	29	28	30
JAQUE	PM	30	27	30	29	29	28	28	28	27	26	27	30
LA PALMA	PM	30	27	30	29	31	29	31	31	29	29	29	30
PANAMA CITY	PM	25	22	23	25	29	28	30	29	28	28	27	28
PORVENIR	PM	14	14	18	21	27	27	29	30	27	26	25	18
RIO HATO	PM	18	17	19	22	29	28	28	30	29	30	27	27
SANTIAGO	PM	21	21	23	23	29	29	31	30	29	29	29	29
TOCUMEN	PM	20	17	19	20	25	27	28	27	26	25	26	25

TABLE B-22 Days Favorable for Chemical Operations (Wind Speed 4-10 kts, Temperature 33-89° F, No Precipitation), Selected Times

0000Z		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
BELIZE INTL	BZ	13	17	24	22	22	15	20	23	1	12	13	10
LIBERIA	CS	11	7	11	5	4	6	7	6	3	4	7	8
LIMON	CS	6	7	8	9	8	4	5	6	7	4	4	4
NICOYA	CS	15	18	18	16	8	2	4	3	1	1	3	10
PUNTARENAS	CS	12	11	12	10	6	2	4	4	4	3	4	8
SAN JOSE	CS	5	4	6	4	5	7	8	5	6	6	8	9
ACAJUTLA	ES	14	13	20	16	15	10	13	11	6	9	11	11
SAN SALVADOR	ES	17	19	22	21	20	13	11	11	11	16	16	16
SANTA ANA	ES	11	11	13	12	8	3	4	4	4	2	3	7
FLORES	GU	5	7	11	8	3	5	4	4	3	4	5	4
GUATEMALA CITY	GU	15	12	16	13	17	13	10	12	11	16	17	15
HUEHUETENANGO	GU	15	14	15	11	10	8	13	10	8	7	11	17
POPTUN	GU	6	6	14	17	10	14	13	8	2	2	1	4
PUERTO BARRIOS	GU	10	10	17	17	13	13	14	15	10	5	5	6
RETALHULEU	GU	20	21	17	11	7	5	7	5	5	5	6	9
SAN JOSE	GU	11	15	28	18	15	11	12	13	10	8	5	7
CATACAMAS	HO	6	11	17	16	11	6	5	5	5	6	7	8
CHOLUTECA	HO	10	4	5	3	5	4	4	5	4	3	8	13
GUANAJA	HO	7	10	4	11	7	5	9	6	7	6	6	9
ISLAS DEL CISNE	HO	16	16	15	15	12	13	19	22	21	20	18	17
LA CEIBA	HO	12	13	18	15	20	12	13	13	11	9	4	8
PUERTO LEMPIRA	HO	18	15	19	19	18	17	17	14	16	13	13	16
SAN PEDRO SULA	HO	18	14	22	19	16	11	13	12	13	15	13	14
TEGUCIGALPA	HO	19	19	23	19	18	13	16	17	14	13	15	19
TELA	HO	11	13	18	21	23	13	17	16	13	8	5	6
BLUEFIELDS	NK	16	15	17	18	13	8	13	12	14	10	10	14
CHINANDEGA	NK	10	12	13	15	13	9	7	8	7	5	5	
JUIGALPA	NK	20	17	16	14	8	11	14	12	7	4	11	18
MANAGUA	NK	17	17	16	11	7	6	8	6	4	3	3	9
PUERTO CABEZAS	NK	15	13	14	13	14	8	8	13	16	16	15	18
RIVAS	NK	16	18	18	17	11	9	15	12	7	6	9	16
DAVID	PM	16	14	15	16	14	12	10	10	9	8	10	14
HOWARD AFB	PM	26	25	25	22	12	11	13	12	8	7	10	18
PANAMA CITY	PM	24	22	23	17	19	14	16	18	15	15	18	19
SANTIAGO	PM	16	10	12	13	12	8	7	7	8	6	5	14
TOCUMEN	PM	20	18	19	18	11	9	11	10	8	7	9	15

0600Z		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
BELIZE INTL	BZ	6	10	9	17	18	16	13	15	8	7	6	8
SAN JOSE	CS	9	7	10	13	16	14	15	16	14	15	14	11

TABLE B-22, Cont'd

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ACAJUTLA	ES	16	12	14	12	10	13	12	10	10	13	15	16
SAN SALVADOR	ES	10	7	4	7	6	5	8	8	6	7	11	11
GUATEMALA CITY	GU	18	15	16	17	13	13	16	17	12	19	20	18
HUEHUETENANGO	GU	2	2	3	3	1	1	4	*	*	1	1	2
PUERTO BARRIOS	GU	5	5	3	7	4	3	5	3	6	4	7	3
SAN JOSE	GU	3	1	2	3	3	2	4	2	3	2	*	1
CATACAMAS	HO	7	10	12	16	8	4	5	6	5	4	6	9
CHOLUTECA	HO	12	7	7	5	2	4	9	7	2	5	8	12
ISLAS DEL CISNE	HO	18	16	14	15	14	15	22	24	18	22	19	17
SAN PEDRO SULA	HO	5	4	7	8	11	9	7	4	5	5	4	4
TEGUCIGALPA	HO	15	17	19	20	11	10	12	10	6	10	12	13
TELA	HO	3	3	4	4	3	4	8	5	2	2	1	1
MANAGUA	NK	4	8	12	12	6	2	1	1	1	0	0	1
HOWARD AFB	PM	22	22	23	19	8	7	10	9	6	5	8	14
TOCUMEN	PM	6	7	8	7	5	7	6	7	4	5	5	5

1200Z		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
BELIZE INTL	BZ	8	8	10	14	14	13	11	9	5	6	8	9
LIMON	CS	6	3	4	7	6	5	7	6	6	6	5	6
NICOYA	CS	8	10	8	8	1	1	2	1	1	0	3	6
PUNTARENAS	CS	4	5	2	4	1	1	1	2	1	1	2	3
SAN JOSE	CS	8	9	10	12	18	17	13	15	17	18	13	12
ACAJUTLA	ES	15	14	14	13	12	11	17	12	10	13	17	19
SAN SALVADOR	ES	15	10	6	9	4	7	13	11	7	11	15	15
SANTA ANA	ES	1	1	2	0	0	0	1	0	0	1	1	1
FLORES	GU	2	3	3	3	2	1	0	1	1	2	3	2
GUATEMALA CITY	GU	18	15	15	15	13	14	19	19	13	23	20	18
HUEHUETENANGO	GU	1	0	0	0	0	0	1	0	0	1	1	2
POPTUN	GU	2	2	5	6	5	4	2	0	1	2	2	3
PUERTO BARRIOS	GU	8	8	7	7	6	5	7	7	8	7	6	6
RETALHULEU	GU	13	10	6	8	6	2	5	9	2	3	6	11
SAN JOSE	GU	3	2	3	1	1	4	3	3	3	3	3	2
CATACAMAS	HO	5	3	5	3	3	2	4	3	2	3	5	5
CHOLUTECA	HO	14	12	9	6	3	7	10	9	3	6	10	13
ISLAS DEL CISNE	HO	17	16	14	16	13	15	21	22	19	20	17	15
SAN PEDRO SULA	HO	2	3	3	5	5	3	2	2	3	2	3	3
TEGUCIGALPA	HO	11	11	11	12	8	7	9	9	5	9	12	10
TELA	HO	1	0	3	0	1	1	1	0	1	1	1	1

TABLE B-22, Cont'd

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
BLUEFIELDS	NK	14	12	14	14	12	9	13	11	11	12	11	12
MANAGUA	NK	3	4	2	2	1	0	1	0	0	0	0	1
PUERTO CABEZAS	NK	13	13	12	15	14	6	9	12	15	14	12	14
RIVAS	NK	13	18	18	16	11	7	11	9	7	5	10	14
DAVID	PM	8	6	5	5	4	5	4	3	2	2	2	4
FORT SHERMAN	PM	14	9	10	9	2	2	5	3	2	2	2	6
HOWARD AFB	PM	17	17	19	15	6	5	8	6	5	4	5	8
PANAMA CITY	PM	15	18	12	8	9	6	8	8	4	9	10	14
TOCUMEN	PM	7	7	5	6	5	5	5	7	7	6	5	5

1800Z

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
BELIZE INTL	BZ	18	16	16	15	11	8	9	12	14	16	16	18
LIBERIA	CS	2	1	0	0	2	6	4	10	6	9	11	4
LIMON	CS	14	15	15	14	12	11	11	14	15	13	11	13
NICOYA	CS	8	1	1	2	4	9	10	8	6	9	14	14
PUNTARENAS	CS	8	4	1	1	5	8	9	7	8	9	9	11
SAN JOSE	CS	3	3	5	5	9	9	7	7	7	9	7	6
ACAJUTLA	ES	18	17	17	12	16	12	15	15	14	17	16	18
SAN SALVADOR	ES	15	15	17	15	16	11	15	17	10	13	15	16
SANTA ANA	ES	7	7	4	5	1	1	5	4	1	2	6	7
FLORES	GU	16	13	17	8	6	7	9	10	11	10	10	11
GUATEMALA CITY	GU	11	9	16	15	16	16	17	17	16	16	12	12
HUEHUETENANGO	GU	14	10	12	11	8	9	15	16	10	10	10	13
POPTUN	GU	13	14	9	13	13	15	17	16	11	14	12	17
PUERTO BARRIOS	GU	20	16	21	16	18	18	19	21	20	17	16	17
RETALHULEU	GU	9	10	7	2	11	14	19	18	18	21	16	13
SAN JOSE	GU	22	16	10	5	12	16	19	17	20	21	22	21
CATACAMAS	HO	11	11	16	13	7	7	12	11	9	6	5	8
CHOLUTECA	HO	3	1	1	1	2	6	5	4	5	5	4	4
GUANAJA	HO	8	9	12	12	11	11	12	11	6	8	3	8
ISLAS DEL CISNE	HO	11	12	8	9	10	8	13	14	14	19	14	13
LA CEIBA	HO	19	19	23	21	16	14	18	22	20	17	15	16
PUERTO LEMPIRA	HO	14	13	18	10	9	11	15	13	12	12	12	12
SAN PEDRO SULA	HO	9	10	9	9	3	5	7	6	7	7	11	8
TEGUCIGALPA	HO	17	13	17	19	19	16	18	19	18	17	14	14
TELA	HO	18	17	20	18	13	15	19	21	14	17	13	16
BLUEFIELDS	NK	12	15	15	18	14	9	8	11	14	13	12	13
CHINANDEGA	NK	5	2	1	1	3	5	3	7	9	8	12	4
JUIGALPA	NK	15	15	17	10	6	14	18	19	15	19	15	15
MANAGUA	NK	11	8	4	2	3	7	11	11	9	7	10	15
PUERTO CABEZAS	NK	12	13	14	11	16	8	5	11	16	13	11	11
RIVAS	NK	16	13	17	18	16	15	18	16	18	14	18	19

TABLE B-22, Cont'd

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
DAVID	PM	14	10	12	14	19	20	20	21	20	22	21	22
FORT SHERMAN	PM	17	17	19	17	7	8	9	7	7	6	7	15
HOWARD AFB	PM	13	7	7	7	12	14	13	15	17	14	13	14
PANAMA CITY	PM	14	9	18	12	25	22	18	21	21	19	17	17
SANTIAGO	PM	12	10	7	8	8	11	9	10	12	11	13	11
TOCUMEN	PM	7	4	4	6	13	12	11	12	13	14	12	10

TABLE B-23 Cloud-Free Line-of-Sight (Percent Frequency Based on Total Sky Cover)

SAN JOSE CS (FEB)

HR	ANGLE	90	80	70	60	50	40	30	20	10
00 LST		95	94	94	94	94	94	92	91	89
06 LST		89	88	88	88	87	86	84	80	76
12 LST		85	84	84	83	83	81	79	75	70
18 LST		73	73	72	72	71	70	66	62	56

SAN SALVADOR ES(FEB)

HR	ANGLE	90	80	70	60	50	40	30	20	10
00 LST		89	88	88	87	87	86	84	81	77
06 LST		89	89	88	88	88	87	84	82	77
12 LST		84	83	83	82	81	80	77	73	67
18 LST		85	84	84	84	83	82	79	76	70

GUATEMALA CITY GU (FEB)

HR	ANGLE	90	80	70	60	50	40	30	20	10
00 LST		74	74	73	73	73	72	70	67	63
06 LST		55	55	55	55	54	53	50	48	43
12 LST		75	74	74	73	72	71	68	64	58
18 LST		77	77	76	76	75	74	71	68	62

CATACAMAS HO (FEB)

HR	ANGLE	90	80	70	60	50	40	30	20	10
00 LST		70	70	70	69	68	67	64	61	55
06 LST		67	66	66	65	64	62	59	54	47
12 LST		61	60	60	59	58	55	51	45	37
18 LST		67	66	66	65	64	62	59	53	46

SAN PEDRO SULA HO (FEB)

HR	ANGLE	90	80	70	60	50	40	30	20	10
00 LST		58	58	58	57	57	55	52	48	42
06 LST		61	61	61	60	60	58	55	50	44
12 LST		59	59	59	58	57	55	52	47	40
18 LST		64	64	64	63	62	60	56	51	43

TEGUCIGALPA HO (FEB)

HR	ANGLE	90	80	70	60	50	40	30	20	10
00 LST		76	76	75	75	74	72	69	65	59
06 LST		71	70	70	69	68	66	63	58	51
12 LST		70	69	69	68	67	65	61	55	47
18 LST		71	71	71	70	69	66	63	57	49

MANAGUA NK (FEB)

HR	ANGLE	90	80	70	60	50	40	30	20	10
00 LST		90	90	90	89	89	88	87	85	81
06 LST		76	77	77	76	76	74	71	67	61
12 LST		70	70	69	69	68	66	62	57	49
18 LST		71	71	70	70	69	67	65	61	55

TABLE B-23, Cont'd

HOWARD AFB PM (FEB)

HR	ANGLE	90	80	70	60	50	40	30	20	10
01 LST		91	90	90	90	89	88	87	85	81
07 LST		76	76	76	75	74	72	70	65	58
13 LST		69	69	68	68	67	65	61	55	46
19 LST		81	80	80	80	79	77	75	70	64

SAN JOSE CS (MAY)

HR	ANGLE	90	80	70	60	50	40	30	20	10
00 LST		57	56	56	56	55	54	52	49	44
06 LST		45	45	44	44	43	41	39	35	29
12 LST		39	39	38	38	37	35	33	29	22
18 LST		23	23	23	23	23	21	19	17	13

SAN SALVADOR ES(MAY)

HR	ANGLE	90	80	70	60	50	40	30	20	10
00 LST		54	53	53	53	52	51	48	44	39
06 LST		43	43	43	42	41	40	36	32	25
12 LST		52	52	52	51	50	48	44	39	31
18 LST		47	47	47	46	45	43	40	36	29

GUATEMALA CITY GU (MAY)

HR	ANGLE	90	80	70	60	50	40	30	20	10
00 LST		45	44	44	44	44	42	40	37	33
06 LST		35	34	34	34	33	32	30	27	22
12 LST		42	42	42	41	40	39	36	32	26
18 LST		28	28	28	28	27	27	24	21	17

CATACAMAS HO (MAY)

HR	ANGLE	90	80	70	60	50	40	30	20	10
00 LST		56	56	55	55	54	53	50	47	42
06 LST		46	45	45	44	44	41	38	34	27
12 LST		59	59	58	58	56	54	49	44	35
18 LST		53	53	52	52	51	49	45	41	34

SAN PEDRO SULA HO (MAY)

HR	ANGLE	90	80	70	60	50	40	30	20	10
00 LST		63	62	62	61	60	58	55	50	44
06 LST		57	57	57	56	55	53	49	43	37
12 LST		65	65	64	64	63	60	56	51	43
18 LST		57	56	56	55	54	52	49	44	37

TEGUCIGALPA HO (MAY)

HR	ANGLE	90	80	70	60	50	40	30	20	10
00 LST		50	50	50	49	49	47	44	40	34
06 LST		50	49	49	48	47	45	41	36	29
12 LST		57	57	56	55	54	51	47	41	32
18 LST		44	44	43	43	42	40	36	32	25

TABLE B-23, Cont'd

MANAGUA NK (MAY)

HR	ANGLE	90	80	70	60	50	40	30	20	10
00 LST		60	60	60	59	59	57	55	52	47
06 LST		32	32	32	32	31	30	27	25	20
12 LST		34	34	33	33	32	31	28	25	19
18 LST		32	31	31	31	30	29	27	24	19

HOWARD AFB PM (MAY)

HR	ANGLE	90	80	70	60	50	40	30	20	10
01 LST		57	56	56	55	54	53	50	46	40
07 LST		40	40	40	39	39	37	34	30	24
13 LST		31	31	31	30	30	28	25	22	17
19 LST		30	30	29	29	28	27	24	22	17

SAN JOSE CS (AUG)

HR	ANGLE	90	80	70	60	50	40	30	20	10
00 LST		46	46	45	45	44	43	40	37	31
06 LST		44	44	43	43	42	40	37	33	27
12 LST		33	33	32	32	31	30	27	23	18
18 LST		16	16	16	16	16	15	13	11	08

SAN SALVADOR ES(AUG)

HR	ANGLE	90	80	70	60	50	40	30	20	10
00 LST		34	33	33	33	32	31	29	26	21
06 LST		41	41	41	40	39	37	34	29	22
12 LST		50	49	49	48	47	45	41	36	29
18 LST		39	39	39	38	37	36	32	28	21

GUATEMALA CITY GU (AUG)

HR	ANGLE	90	80	70	60	50	40	30	20	10
00 LST		33	33	33	32	32	30	28	26	21
06 LST		24	24	24	24	23	22	20	17	13
12 LST		27	27	27	26	26	24	22	19	15
18 LST		18	18	17	17	17	16	14	12	09

CATACAMAS HO (AUG)

HR	ANGLE	90	80	70	60	50	40	30	20	10
00 LST		49	49	49	48	47	45	42	38	32
06 LST		46	46	46	45	44	42	39	35	28
12 LST		54	54	53	52	51	48	44	39	30
18 LST		39	39	39	38	37	35	32	28	21

SAN PEDRO SULA HO (AUG)

HR	ANGLE	90	80	70	60	50	40	30	20	10
00 LST		41	40	40	40	39	37	33	29	22
06 LST		51	51	50	49	48	45	41	36	27
12 LST		55	55	54	53	52	50	45	39	31
18 LST		44	44	43	43	42	39	36	31	23

TABLE B-23, Cont'd

TEGUCIGALPA HO (AUG)

HR	ANGLE	90	80	70	60	50	40	30	20	10
00 LST		49	49	49	48	47	45	42	37	30
06 LST		46	46	46	45	44	42	38	33	25
12 LST		50	50	49	48	47	45	40	35	27
18 LST		44	44	44	43	42	40	36	31	23

MANAGUA NK (AUG)

HR	ANGLE	90	80	70	60	50	40	30	20	10
00 LST		51	50	50	49	49	47	44	40	35
06 LST		30	30	29	29	28	27	24	21	17
12 LST		25	25	25	25	24	23	21	18	13
18 LST		15	15	15	15	15	14	12	10	07

HOWARD AFB PM (AUG)

HR	ANGLE	90	80	70	60	50	40	30	20	10
01 LST		44	44	43	43	42	40	38	34	29
07 LST		33	33	33	32	32	30	28	24	19
13 LST		28	28	27	27	27	25	23	20	15
19 LST		20	20	20	20	20	18	16	14	10

SAN JOSE CS (NOV)

HR	ANGLE	90	80	70	60	50	40	30	20	10
00 LST		56	56	55	55	54	53	50	47	42
06 LST		52	52	52	51	50	49	46	42	36
12 LST		44	44	43	43	42	40	37	34	27
18 LST		31	31	31	30	30	28	26	23	18

SAN SALVADOR ES (NOV)

HR	ANGLE	90	80	70	60	50	40	30	20	10
00 LST		74	74	74	74	73	71	68	64	58
06 LST		70	70	69	69	68	66	62	58	50
12 LST		73	73	72	71	70	68	65	60	53
18 LST		64	64	63	63	62	60	56	51	43

GUATEMALA CITY GU (NOV)

HR	ANGLE	90	80	70	60	50	40	30	20	10
00 LST		53	52	52	52	51	50	47	44	40
06 LST		53	53	53	52	51	50	47	44	39
12 LST		53	53	52	52	51	49	46	41	35
18 LST		50	50	50	49	49	47	44	41	35

CATACAMAS HO (NOV)

HR	ANGLE	90	80	70	60	50	40	30	20	10
00 LST		58	58	57	57	56	54	51	47	41
06 LST		61	61	60	60	59	56	52	47	40
12 LST		54	54	43	52	51	49	44	39	31
18 LST		52	52	51	51	50	47	43	38	30

TABLE B-23, Cont'd

SAN PEDRO SULA HO (NOV)

HR	ANGLE	90	80	70	60	50	40	30	20	10
00 LST		56	55	55	54	53	51	48	44	37
06 LST		50	50	50	49	48	46	42	38	30
12 LST		47	46	46	45	44	42	38	34	26
18 LST		48	48	47	47	45	43	40	35	27

TEGUCIGALPA HO (NOV)

HR	ANGLE	90	80	70	60	50	40	30	20	10
00 LST		58	58	58	57	56	54	51	46	39
06 LST		53	52	52	50	50	38	44	48	30
12 LST		53	52	52	51	50	47	43	38	30
18 LST		50	50	49	49	48	45	42	37	29

MANAGUA NK (NOV)

HR	ANGLE	90	80	70	60	50	40	30	20	10
00 LST		64	64	63	63	62	61	58	55	50
06 LST		46	46	46	45	44	43	40	36	31
12 LST		44	44	44	43	42	41	38	34	28
18 LST		39	39	39	39	38	36	34	31	25

HOWARD AFB PM (NOV)

HR	ANGLE	90	80	70	60	50	40	30	20	10
01 LST		53	53	52	52	51	49	46	42	36
07 LST		45	44	44	43	43	41	37	33	27
13 LST		35	35	34	34	33	31	28	25	19
19 LST		32	32	32	31	31	29	27	23	18

TABLE B-24 Cloud-Free Line-of-Sight (Percent Frequency Based on Ceiling/Visibility ≥ 3,000 ft/3 miles)

SAN JOSE CS (FEB)

HR	ANGLE	90	80	70	60	50	40	30	20	10
00 LST		99	98	98	98	98	98	97	97	95
06 LST		99	98	98	98	98	98	97	96	94
12 LST		99	98	98	98	97	97	96	95	94
18 LST		94	93	93	93	92	92	90	88	85

SAN SALVADOR ES (FEB)

HR	ANGLE	90	80	70	60	50	40	30	20	10
00 LST		100	99	99	99	99	99	98	98	97
06 LST		100	99	99	99	99	99	98	98	97
12 LST		99	98	98	98	98	98	97	96	95
18 LST		100	99	99	99	99	98	97	97	96

GUATEMALA CITY GU (FEB)

HR	ANGLE	90	80	70	60	50	40	30	20	10
00 LST		76	76	76	75	75	74	72	70	66
06 LST		66	66	65	65	65	63	61	58	53
12 LST		81	81	80	80	79	77	74	70	64
18 LST		88	88	87	87	86	85	83	79	74

CATACAMAS HO (FEB)

HR	ANGLE	90	80	70	60	50	40	30	20	10
00 LST		91	90	90	90	89	88	86	82	78
06 LST		87	86	86	86	84	83	80	75	69
12 LST		82	81	80	80	79	77	73	68	60
18 LST		90	90	89	89	88	87	85	81	75

SAN PEDRO SULA HO (FEB)

HR	ANGLE	90	80	70	60	50	40	30	20	10
00 LST		82	82	81	81	80	78	75	71	64
06 LST		83	82	82	81	80	79	76	71	65
12 LST		79	78	78	77	76	74	71	65	58
18 LST		83	83	82	82	81	80	76	72	65

TEGUCIGALPA HO (FEB)

HR	ANGLE	90	80	70	60	50	40	30	20	10
00 LST		80	79	79	78	77	76	73	69	63
06 LST		76	76	75	75	74	72	69	64	57
12 LST		80	80	80	79	78	77	74	70	64
18 LST		83	82	82	81	80	79	76	72	66

MANAGUA NK (FEB)

HR	ANGLE	90	80	70	60	50	40	30	20	10
00 LST		97	96	96	96	95	95	94	93	90
06 LST		95	94	94	94	93	92	90	87	83
12 LST		85	85	84	84	83	81	78	73	66
18 LST		91	90	90	90	89	88	86	82	77

TABLE B-24, Cont'd

HOWARD AFB PM (FEB)

HR	ANGLE	90	80	70	60	50	40	30	20	10
01 LST		100	99	99	99	99	98	97	97	97
07 LST		95	94	94	94	93	93	92	88	85
13 LST		85	84	84	84	83	80	78	72	64
19 LST		95	94	94	94	93	93	91	88	85

SAN JOSE CS (MAY)

HR	ANGLE	90	80	70	60	50	40	30	20	10
00 LST		94	93	93	93	93	92	91	90	88
06 LST		98	97	97	97	97	97	96	95	94
12 LST		91	90	90	90	89	88	86	83	77
18 LST		81	80	80	79	79	77	74	70	65

SAN SALVADOR ES(MAY)

HR	ANGLE	90	80	70	60	50	40	30	20	10
00 LST		92	91	91	91	90	90	89	88	86
06 LST		94	93	93	93	92	92	91	89	87
12 LST		89	88	88	87	87	86	84	81	77
18 LST		88	87	87	87	86	85	82	79	74

GUATEMALA CITY GU (MAY)

HR	ANGLE	90	80	70	60	50	40	30	20	10
00 LST		75	75	74	74	73	72	69	66	61
06 LST		81	80	80	80	79	78	75	73	68
12 LST		74	73	73	72	71	69	66	60	52
18 LST		80	80	79	78	77	76	73	68	61

CATACAMAS HO (MAY)

HR	ANGLE	90	80	70	60	50	40	30	20	10
00 LST		86	85	85	85	84	82	80	75	70
06 LST		85	85	85	84	83	81	78	73	66
12 LST		85	84	84	83	82	81	78	73	67
18 LST		88	88	87	87	86	85	83	80	75

SAN PEDRO SULA HO(MAY)

HR	ANGLE	90	80	70	60	50	40	30	20	10
00 LST		86	86	85	85	84	82	79	75	68
06 LST		89	88	88	88	87	86	83	79	74
12 LST		88	87	87	87	86	84	82	77	71
18 LST		84	83	83	82	81	79	76	71	64

TEGUCIGALPA HO (MAY)

HR	ANGLE	90	80	70	60	50	40	30	20	10
00 LST		76	76	75	75	74	72	69	64	57
06 LST		74	74	73	73	71	69	66	61	53
12 LST		80	80	79	79	78	76	73	69	62
18 LST		78	78	77	77	76	74	71	67	60

TABLE B-24, Cont'd

MANAGUA NK (MAY)

HR	ANGLE	90	80	70	60	50	40	30	20	10
00 LST		91	90	90	89	89	88	85	82	77
06 LST		88	87	87	86	85	84	82	77	71
12 LST		79	79	78	78	77	74	71	65	58
18 LST		87	87	86	86	84	83	80	75	69

HOWARD AFB PM (MAY)

HR	ANGLE	90	80	70	60	50	40	30	20	10
01 LST		93	93	92	92	91	90	89	86	82
07 LST		87	87	87	86	85	84	81	77	71
13 LST		81	81	80	79	78	76	73	67	58
19 LST		87	87	86	86	85	83	81	76	70

SAN JOSE CS (AUG)

HR	ANGLE	90	80	70	60	50	40	30	20	10
00 LST		94	94	94	94	93	93	91	89	87
06 LST		99	98	98	98	98	98	97	96	94
12 LST		89	89	88	88	87	86	83	80	75
18 LST		82	82	81	81	80	78	75	72	66

SAN SALVADOR ES (AUG)

HR	ANGLE	90	80	70	60	50	40	30	20	10
00 LST		83	82	82	82	81	81	79	77	74
06 LST		91	91	90	90	90	89	88	86	83
12 LST		86	85	85	84	83	82	79	76	70
18 LST		80	80	80	79	78	77	74	70	65

GUATEMALA CITY GU (AUG)

HR	ANGLE	90	80	70	60	50	40	30	20	10
00 LST		55	55	54	54	53	51	48	45	39
06 LST		69	68	68	68	67	65	62	59	53
12 LST		65	65	64	63	62	60	56	50	42
18 LST		77	77	76	76	75	73	69	64	57

CATACAMAS HO (AUG)

HR	ANGLE	90	80	70	60	50	40	30	20	10
00 LST		83	82	82	81	80	78	75	70	63
06 LST		86	86	86	85	84	82	80	75	68
12 LST		79	78	77	77	75	73	69	63	54
18 LST		82	81	81	80	79	77	74	68	60

SAN PEDRO SULA HO (AUG)

HR	ANGLE	90	80	70	60	50	40	30	20	10
00 LST		74	74	73	72	71	68	64	58	49
06 LST		83	83	82	82	80	78	75	70	62
12 LST		76	76	75	75	73	71	67	60	51
18 LST		73	73	72	71	70	67	63	56	46

TABLE B-24, Cont'd

TEGUCIGALPA HO (AUG)

HR	ANGLE	90	80	70	60	50	40	30	20	10
00 LST		72	71	71	70	69	67	63	57	49
06 LST		63	63	62	62	61	58	54	48	40
12 LST		69	68	68	67	66	64	60	55	46
18 LST		74	73	73	72	71	69	66	61	54

MANAGUA NK (AUG)

HR	ANGLE	90	80	70	60	50	40	30	20	10
00 LST		87	86	86	85	85	83	81	77	71
06 LST		86	85	85	84	84	82	79	74	68
12 LST		75	75	74	74	72	70	66	60	51
18 LST		82	82	81	81	80	78	75	70	62

HOWARD AFB PM (AUG)

HR	ANGLE	90	80	70	60	50	40	30	20	10
01 LST		94	94	94	93	92	92	90	87	83
07 LST		89	89	88	88	88	85	83	78	72
13 LST		83	83	83	82	81	79	76	70	72
19 LST		87	87	87	86	85	84	82	76	70

SAN JOSE CS (NOV)

HR	ANGLE	90	80	70	60	50	40	30	20	10
00 LST		94	94	93	93	93	92	91	89	86
06 LST		95	95	95	94	94	94	92	91	88
12 LST		90	89	89	89	88	87	85	82	77
18 LST		82	81	81	80	79	78	75	71	66

SAN SALVADOR ES(NOV)

HR	ANGLE	90	80	70	60	50	40	30	20	10
00 LST		96	96	96	95	95	95	94	93	92
06 LST		99	98	98	98	97	97	96	96	94
12 LST		96	96	96	95	95	95	93	92	89
18 LST		92	91	91	91	90	90	88	86	83

GUATEMALA CITY GU (NOV)

HR	ANGLE	90	80	70	60	50	40	30	20	10
00 LST		63	63	63	62	62	61	58	55	51
06 LST		72	71	71	71	70	69	66	63	58
12 LST		75	75	75	74	73	71	67	62	54
18 LST		82	81	81	81	80	78	75	70	63

CATACAMAS HO (NOV)

HR	ANGLE	90	80	70	60	50	40	30	20	10
00 LST		86	85	84	84	83	82	78	74	67
06 LST		85	85	84	84	83	81	78	73	66
12 LST		79	79	78	77	76	74	70	63	54
18 LST		83	82	82	81	80	78	75	69	61

TABLE B-24, Cont'd

SAN PEDRO SULA HO(NOV)

HR	ANGLE	90	80	70	60	50	40	30	20	10
00 LST		85	84	84	83	82	80	78	73	66
06 LST		78	78	77	77	76	73	70	64	57
12 LST		74	73	73	72	71	68	64	58	48
18 LST		77	77	76	76	74	72	68	62	53

TEGUCIGALPA HO (NOV)

HR	ANGLE	90	80	70	60	50	40	30	20	10
00 LST		70	70	69	69	68	66	62	57	50
06 LST		59	59	58	57	56	54	50	45	36
12 LST		68	67	67	66	65	63	59	54	46
18 LST		71	70	70	69	68	66	62	57	49

MANAGUA NK (NOV)

HR	ANGLE	90	80	70	60	50	40	30	20	10
00 LST		92	92	92	91	90	89	88	84	80
06 LST		91	90	90	90	89	87	85	81	75
12 LST		82	82	81	81	80	78	75	69	62
18 LST		84	84	83	83	82	80	77	72	65

HOWARD AFB PM (NOV)

HR	ANGLE	90	80	70	60	50	40	30	20	10
01 LST		94	94	93	93	92	92	90	87	83
07 LST		88	88	88	87	86	84	82	77	71
13 LST		81	80	80	79	78	76	72	66	57
19 LST		88	88	87	87	86	85	82	78	72

TABLE B-25 Master Station List

STATION NAME	CO	LAT	LON	ELEV FEET	NUM YRS
AUGUSTINE PINE 10	BZ	17.98N	88.72W	UNK	10
BELIZE INTL	BZ	17.53N	88.30W	17	49
CENTRAL FARM	BZ	17.22N	89.00W	200	10
COOMA CAIRN	BZ	17.00N	88.83W	UNK	10
COROZAL	BZ	18.40N	88.40W	UNK	10
GRACIE ROCK	BZ	17.37N	88.45W	UNK	10
MACHACA	BZ	16.20N	88.90W	UNK	10
MANGO CREEK	BZ	16.55N	88.58W	12	10
MIDDLESEX	BZ	17.03N	88.52W	UNK	10
POMONA	BZ	17.00N	88.37W	UNK	10
STANN CREEK AGR	BZ	17.00N	88.22W	10	10
AGUA BUENA	CS	8.73N	82.92W	1000	13
ARGENTINA GRECIA	CS	10.03N	84.35W	2705	30
BARTOLO	CS	9.42N	84.10W	10	14
COLORADO	CS	10.73N	83.58W	19	10
COTO 26	CS	8.53N	83.05W	3	16
GOOD HOPE	CS	10.07N	83.32W	354	20
JUAN VIVAS	CS	9.57N	83.73W	3821	10
LIBERIA	CS	10.62N	85.43W	262	12
LIMON	CS	10.00N	83.05W	16	20
LOS DIAMANTES	CS	10.22N	83.77W	983	20
NARANJO	CS	10.10N	84.37W	3417	10
NICOYA	CS	10.15N	85.45W	426	10
OROTINA	CS	9.88N	84.52W	734	10
PALMAR SUR	CS	8.95N	83.47W	53	18
PUERTO CORTES	CS	8.97N	83.53W	33	
PUERTO VIEJO	CS	10.43N	83.98W	291	10
PUNTARENAS	CS	9.97N	84.83W	10	9
QUEBRADA GRANDE	CS	10.83N	85.50W	1311	10
SAN JOAQUIN FLORES	CS	10.02N	84.13W	3447	20
SAN JOSE	CS	9.98N	84.22W	3080	97
SAN MIGUEL BARRANCA	CS	10.00N	84.68W	459	20
SANTA CRUZ	CS	10.27N	85.62W	163	10
TURRIALBA	CS	9.88N	83.63W	1974	30
ACAJUTLA	ES	13.57N	89.83W	49	54
APOPA	ES	13.80N	89.18W	1640	28
COATEPEQUE	ES	13.90N	89.83W	2655	35
COJUTEPEQUE	ES	13.72N	88.93W	2624	29
CUTUCO	ES	13.33N	87.82W	16	29
EL CONGO	ES	13.90N	89.50W	2755	34
FCA. SAN JOSE	ES	13.73N	89.30W	3493	21
LA TOMA	ES	13.85N	89.28W	1000	27
METAPAN	ES	14.33N	89.47W	1525	27
SAN MIGUEL	ES	13.45N	88.12W	328	29
SAN SALVADORE	ES	13.70N	89.12W	2230	55
SANTA ANA	ES	13.98N	89.57W	2116	55
SONSONATE	ES	13.72N	89.73W	738	42
TEXIS JUNCTION	ES	14.10N	89.52W	1312	26
VALLE SAN JUAN	ES	13.35N	88.62W	164	27
ZACATECOLUCA	ES	13.50N	88.87W	558	29

TABLE B-25, Cont'd

STATION NAME	CO	LAT	LON	ELEV FEET	NUM YRS
AGUA BLANCA	GU	14.52N	89.62W	2919	19
ANGUIATU	GU	14.35N	89.58W	1613	26
ANTIGUA	GU	14.55N	90.73W	5018	26
BELIZ	GU	14.67N	90.63W	2755	26
BUENA VISTA	GU	14.62N	91.63W	1449	16
CASTANEDA	GU	14.63N	89.43W	2131	27
CHAMPERICO	GU	14.30N	91.92W	16	25
CHIACAM	GU	15.55N	90.10W	3115	13
CHINASYUB	GU	15.60N	90.47W	2591	19
COATEPEQUE	GU	14.70N	91.87W	1607	26
CONCEPCION	GU	14.32N	90.78W	1393	20
CREEK	GU	15.32N	88.95W	180	26
EL PASO	GU	17.25N	90.23W	163	11
EL RANCHO	GU	14.92N	90.00W	898	25
EL VALLE	GU	15.87N	90.28W	3394	14
ENTRE RIOS	GU	14.48N	91.57W	655	12
FLORES	GU	16.92N	89.88W	377	10
GUATEMALA CITY	GU	14.58N	90.52W	4884	50
GUAXAC	GU	15.33N	90.13W	3935	14
HUEHUETENANGO	GU	15.32N	91.47W	6235	10
LA GLORIA	GU	14.12N	90.28W	3214	13
LA MORENA	GU	14.17N	90.37W	2427	25
LA REUNION	GU	14.43N	90.83W	4696	20
LAS DELICIAS	GU	14.53N	91.02W	3279	31
LAS VINAS	GU	14.33N	90.43W	3329	44
LOS BALSAMOS	GU	14.98N	89.92W	4166	14
MAYAGUA	GU	15.45N	89.67W	1639	17
MOCCA	GU	15.35N	90.90W	3411	24
MORAN	GU	14.48N	90.53W	4001	26
MORELIA	GU	14.42N	90.97W	2951	51
PALO GORDO	GU	14.48N	91.40W	793	16
PAMPOJILA	GU	14.62N	91.13W	5018	23
PAWNEE PLAYITAS	GU	15.35N	88.82W	193	26
PENA PLATA	GU	14.45N	91.08W	2033	13
POPTUN	GU	16.32N	89.42W	1640	9
PUERTO BARRIOS	GU	15.72N	88.60W	3	26
QUIRIGUA	GU	15.27N	89.07W	239	26
RETALHULEU	GU	14.52N	91.70W	784	9
SAN JOSE	GU	13.92N	90.82W	6	13
SAN RAFAEL PANAN	GU	14.50N	91.25W	2164	10
SANARATE	GU	14.78N	90.20W	2663	25
SANTA TERESA	GU	14.98N	91.90W	2705	25
SEPACUITE	GU	15.47N	89.78W	3214	22
TENEDORES	GU	15.55N	89.63W	85	26
TINAJAS	GU	15.32N	89.67W	65	13
WESTFALIA	GU	15.25N	89.90W	2099	16

TABLE B-25, Cont'd

STATION NAME	CO	LAT	LON	ELEV FEET	NUM YRS
AGUA CALIENTE	HO	14.67N	87.30W	1820	15
AMAPA	HO	15.05N	87.98W	226	17
AMPALA	HO	13.30N	87.63W	16	22
CATACAMAS	HO	14.90N	85.93W	1450	31
CHOLUTECA	HO	13.30N	87.18W	157	27
CHUMBAGUA	HO	15.25N	88.47W	997	18
COMAYAGUA	HO	14.42N	87.63W	UNK	16
COYOLES	HO	15.48N	86.68W	1000	32
DULCE NOMBRE	HO	14.83N	88.83W	3352	16
EL ZAMORANO	HO	14.00N	87.03W	2601	25
FINCA #17	HO	15.25N	87.88W	UNK	20
GUANACASTAL	HO	15.67N	87.83W	36	41
GUANAJA	HO	16.47N	85.92W	6	27
HAC. SAN ISIDRO	HO	13.87N	86.57W	2597	10
ISLAS DEL CISNE	HO	17.40N	83.93W	UNK	9
JUTIAPA	HO	15.78N	86.57W	75	13
JUTICALPA	HO	14.77N	86.25W	1295	16
LA CEIBA	HO	15.75N	86.87W	85	35
LA MESA	HO	15.45N	87.93W	85	18
LAMANI	HO	14.15N	87.62W	2384	12
LOS PLANES	HO	15.62N	86.40W	226	41
MANACAL	HO	15.38N	88.17W	311	13
MARCLA	HO	14.12N	88.00W	3998	10
MINAS SAN ANDRES	HO	14.92N	88.93W	UNK	11
MOROCELI	HO	14.13N	86.88W	2020	13
NVO OCOTEPEQUE	HO	14.43N	89.17W	2601	20
NVO ROSARIO	HO	14.22N	87.08W	3860	54
PENA BLANCA	HO	14.93N	88.05W	1597	13
PROGRESO	HO	15.35N	87.97W	98	36
PUERTO CORTES	HO	15.80N	87.93W	3	39
PUERTO LEMPIRA	HO	15.22N	83.78W	42	20
SABANAGRANDE	HO	13.82N	87.27W	3345	13
SAN ALEJO	HO	15.63N	87.57W	UNK	13
SAN MARCOS	HO	13.42N	86.82W	3220	11
SAN PEDRO SULA	HO	15.45N	87.93W	102	42
SANTA ROSA DE COPAN	HO	14.78N	88.80W	3542	31
TEGUCIGALPA	HO	14.05N	87.22W	3302	40
TELA	HO	15.72N	87.48W	10	41
TRUJILLO	HO	15.92N	85.98W	60	16
URRACO	HO	15.55N	87.77W	39	28
VERACRUZ	HO	14.90N	88.78W	2997	16
YORO	HO	15.17N	87.12W	2000	13
ZACAPA	HO	14.68N	88.07W	1498	12
BLUEFIELDS	NK	12.00N	83.77W	28	23
CARATERA	NK	13.22N	85.75W	UNK	10
CHINANDEGA	NK	12.62N	87.15W	135	14
COLON	NK	11.12N	85.47W	UNK	23
ESTELI	NK	13.08N	86.38W	UNK	12
GRANADA	NK	11.93N	85.95W	UNK	79
JINOTEGA	NK	13.10N	86.00W	UNK	10
JUIGALPA	NK	12.08N	85.40W	384	24
LEON	NK	12.45N	86.87W	262	13
LOS PILARES	NK	10.83N	83.97W	UNK	24

TABLE B-25, Cont'd

STATION NAME	CO	LAT	LON	ELEV FEET	NUM YRS
MANAGUA	NK	12.12N	86.15W	174	37
MATAGALPA	NK	12.88N	85.95W	UNK	10
MUHAN	NK	12.13N	84.97W	UNK	10
PUERTO CABEZAS	NK	14.03N	83.40W	45	20
RIVAS	NK	11.43N	85.83W	164	35
SAN ANTONIO	NK	12.58N	87.08W	UNK	56
SAN JUAN DEL NORTE	NK	10.93N	83.70W	UNK	24
SAN MARCOS	NK	11.83N	86.20W	UNK	10
SAN MIGUELITO	NK	11.38N	84.90W	UNK	25
SAN UBALDO	NK	11.83N	85.33W	UNK	25
SIUNA	NK	13.67N	84.58W	500	23
ALANJE	PM	8.30N	82.53W	UNK	10
ALTO LINO	PM	8.60N	82.50W	UNK	6
BALBOA HEIGHTS	PM	8.97N	79.55W	33	12
BOCA DE CUPE	PM	8.05N	77.58W	UNK	10
BOCAS DEL TORO INTL	PM	9.33N	82.23W	7	9
CALDERA	PM	8.65N	82.38W	UNK	10
CAMERON	PM	8.07N	81.65W	UNK	10
CHANGUINOLA INTL	PM	9.47N	82.52W	16	47
CHORRO	PM	8.97N	79.98W	140	19
CRISTOBAL	PM	9.35N	79.92W	UNK	96
DAVID	PM	8.38N	82.43W	89	9
FORT SHERMAN	PM	9.33N	79.98W	10	9
GAMBOA	PM	9.12N	79.70W	110	82
GATUN	PM	9.27N	79.93W	95	62
HOWARD AFB	PM	8.92N	79.60W	53	25
ISLA GRANDE	PM	9.63N	79.57W	240	36
JAQUE	PM	7.52N	78.15W	30	9
LA PALMA	PM	8.42N	89.15W	33	9
MADDEN DAM	PM	9.20N	79.62W	250	67
MONTE LIRIO	PM	9.23N	79.85W	280	58
NARGANA	PM	9.48N	78.52W	10	14
PANAMA CITY	PM	8.98N	79.52W	43	9
PEDRO MIGUEL	PM	9.02N	79.62W	100	38
PELUCA	PM	9.38N	79.57W	350	30
PORVENIR	PM	9.57N	78.95W	7	9
PUERTO ARMUELLES	PM	9.90N	84.10W	50	10
PUERTO OBALDIA	PM	8.67N	77.42W	3	37
RIO HATO	PM	8.38N	80.12W	98	9
SALAMANCA	PM	9.32N	79.58W	270	53
SANTA CLARA	PM	8.40N	80.12W	120	24
SANTA ROSA	PM	8.20N	80.67W	80	41
SANTIAGO	PM	8.08N	80.95W	272	9
TOCUMEN	PM	9.08N	79.37W	135	9
TONOSI	PM	7.38N	80.38W	50	42

NOTES

1. LATITUDE/LONGITUDE IN DEGREES AND HUNDREDTHS
2. NUMBER OF YEARS IS THE OVERALL PERIOD. A PARTICULAR SUMMARY MAY USE ALL OR PART OF THE OVERALL PERIOD.
3. FOR SOME STATIONS PRECIPITATION AND TEMPERATURES MAY BE RECORED AT SITES IN THE VICINITY OF THE STATION BUT NOT AT THE SAME EXACT LOCATION.

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