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NATIONAL INTELLIGENCE SURVEY

YUGOSLAVIA

SECTION 23
WEATHER AND CLIMATE

JULY 1964

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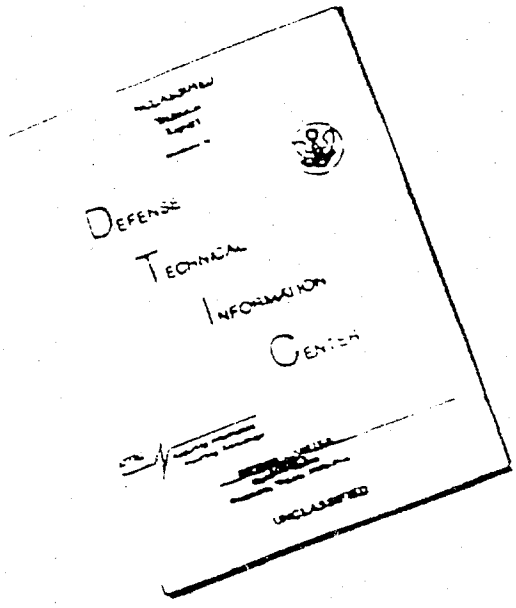

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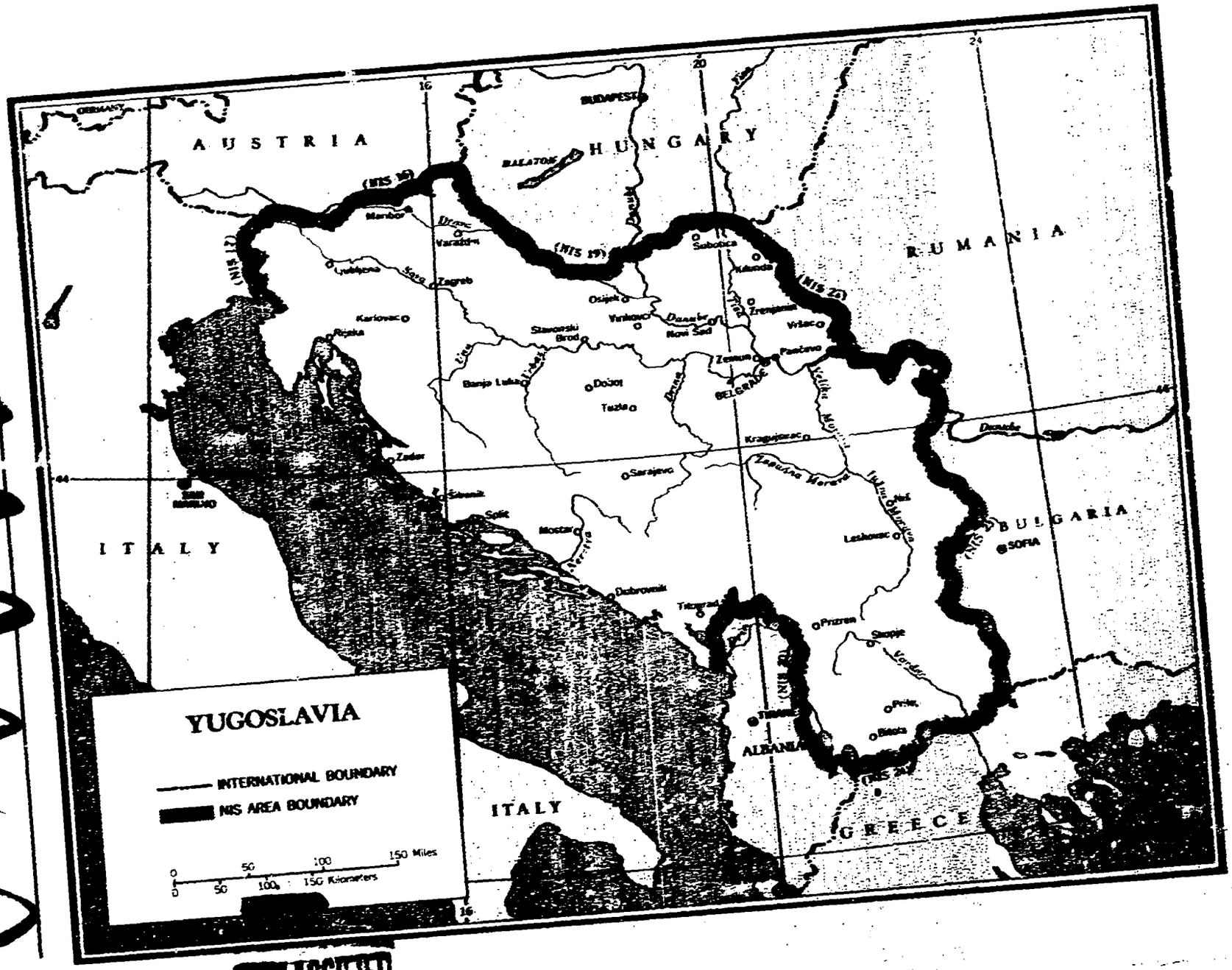

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This Section was prepared for the NIS by the Defense Intelligence Agency with a contribution on amphibious operations from the Office of the U.S. Naval Weather Service.

23. *Weather and Climate*

A. General weather and climatic conditions

1. Introduction

Yugoslavia has a wide variety of climatic conditions resulting from the interaction of several strong climatic controls. Along the coast, Mediterranean type climate, with warm to hot summers and mild, rainy winters prevails. Over the plains in the northeast, the climate is continental; winters are cold with light precipitation, falling quite often as snow, and summers are hot and showery. Between these two regions lies the rugged mountainous interior, which has some of the characteristics of both the Mediterranean and continental regimes. Because of differences in elevation and exposure, however, climatic conditions often vary markedly from place to place in the interior. The principal climatic controls in this NIS Area are the nearby seas, the rugged mountainous terrain in the interior, the semipermanent pressure systems, and the succession of migratory low-pressure centers and frontal systems.

Mean daily maximum temperatures at low levels in Yugoslavia range from the 70's to the low 90's in summer, with much cooler conditions in the higher mountains. Absolute maximum temperatures over 100° F. have been recorded at many locations. In winter, mean daily minimum temperatures at low levels range from the midteens to the low 50's, with the colder temperatures in the interior and the warmer readings along the coast. Absolute minimums below —10° F. have occurred at interior locations, but along the coast —1° F. is the lowest recorded in the north and 18° F. in the south. Mean annual precipitation varies considerably from place to place, ranging from as low as 21 inches in sheltered southeastern mountain valleys to over 180 inches at exposed locations on mountain slopes facing the southern Adriatic Sea. However, most locations average from 25 to 65 inches per year. Precipitation falls quite frequently as snow in winter and early spring over the interior, but snow is rare along the coast. Snow cover varies from place to place but is seldom long lasting or very deep, except in parts of the mountains, where it may reach several feet in depth. Mean relative humidity is moderate to high in Yugoslavia, with annual averages of 80% to 95% in the early morning and 60% to 70% in the afternoon at interior locations, whereas the drying effect of downslope winds causes annual averages of 60% to 80% in the early morning and 50% to 70% in the afternoon at coastal locations. Relative humidities are usually highest in autumn and winter and lowest in summer. Cloudiness, low ceilings, and restricted visibilities occur most often in late autumn and winter and least often in summer and early autumn. Thunderstorms are most frequent in late spring and summer over the interior; along the coast they also occur rather frequently in autumn. Surface winds are normally light and variable over most of the Area; however, gale-force winds (28 knots or greater) are occasionally observed. These strong winds, which are most likely along the coast and at high mountain locations, are strongest and most frequent in winter.

About 80% of Yugoslavia is composed of rugged highlands with numerous mountains, narrow valleys, and scattered level basins. Nearly flat or rolling lowlands comprise the remaining 20%. The largest lowland plain, an extension of the plains of Hungary, lies along the northern border. South of this plain the rugged highlands stretch northwest to southeast from border to border, reaching the sea in places. A narrow coastal plain borders most of the Adriatic Sea, and numerous islands lie along the coast.

For discussion purposes, Yugoslavia has been divided into three regions (FIGURE 68): 1) Northern Plains, 2) Interior Highlands, and 3) Coast and Islands. These regions are based primarily on topography, precipitation, and temperature.

The Northern Plains Region, for the most part, is low in elevation and flat or gently rolling, except for a few groups of hills and low mountains. This region has a continental climate with moderate areal variations. Summers are hot and showery and winters are cold with light precipitation that often falls as snow. In general, weather conditions are most adverse for military operations over this region in late autumn, winter, and early spring and most favorable in the latter half of summer and early autumn.

The Interior Highlands Region is essentially mountainous and, in many places, very rugged, especially along the northern and western boundaries. However, the region includes numerous isolated basins and valleys, both large and small. The variety and rugged nature of the terrain often produce contrasting climatic conditions from place to place. Winters are cold, extremely so in the enclosed basins and at higher elevations. Summers range from hot at low elevations to cool in the higher mountains. Precipitation varies considerably over this region, but is usually heaviest in autumn and early winter and lightest in summer or late winter. Weather conditions would be most favorable for military operations in the latter half of summer and early autumn and least favorable in late autumn and winter.

The Coast and Islands Region consists of a narrow coastal lowland and numerous off-shore islands. The

lowland for the most part is hilly; at its boundary with the Interior Highlands the coastal plain rises very abruptly at many locations to over 2,000 feet. The islands are mostly hilly with steep slopes. This region has Mediterranean type climate. Summers are warm to hot with infrequent light showers and few low ceilings, restricted visibilities, or other hindrances to military operations. Winters are mild, and weather conditions are favorable for military operations most of the time, except during periods when a low-pressure system moves southward over the Adriatic Sea.

The climatic seasons referred to throughout this Section are the normal ones for the Northern Hemisphere: winter (December through February), spring (March through May), summer (June through August), and autumn (September through November). Occasionally reference to the colder half of the year (October through March) and the warmer half (April through September) is made.

2. Climatic controls

The major controlling factors of the climate of Yugoslavia are the major semipermanent pressure systems in this part of the world; migratory lows, highs, and frontal systems; the principal air masses moving into the Area; the mountainous topography within the country; the Mediterranean and Adriatic Seas; and the latitudinal extent of the Area. The most important of these controls are the migratory lows, highs, and fronts that bring about the daily changes in weather conditions.

a. General circulation — The principal semipermanent pressure systems influencing the general circulation pattern over Yugoslavia are the interchanging winter Siberian high and summer Asiatic low, the Azores high, and the Icelandic low. The weakening and intensifying of these semipermanent pressure systems determine the changes in the general circulation pattern from season to season. Figures 1 and 2 depict the mean pressure pattern and generalized surface airflow for January and July, representative months of the winter and summer seasons. The mean pressure and airflow patterns of spring and autumn are transitional between the winter and summer patterns.

In winter the Siberian high extends westward into the northern Balkan States and the eastern end of the Azores high lies over Spain and the western tip of the Mediterranean Sea. Yugoslavia is situated between these two highs in a zone of relatively low pressure (Figure 1). Across this zone of low pressure moves a series of migratory lows which help to produce much of the adverse weather of the winter season. Many of these lows are associated with the circulation around the Icelandic low, while others develop within the low-pressure zone. Although the daily circulation is continually changing, because of the passage of migratory pressure systems, the overall general circulation of winter is from the southeast quadrant.

In summer the Azores high expands eastward and dominates the general circulation over the western Mediterranean, and the Asiatic low controls the circulation over the eastern Mediterranean (Figure 2). At this time of year the Icelandic low is much weaker and exerts little influence on the Area. The resulting general circulation is a weak northerly airflow over Yugoslavia with an almost complete cessation of migratory lows and, therefore, in the number of days with adverse weather conditions.

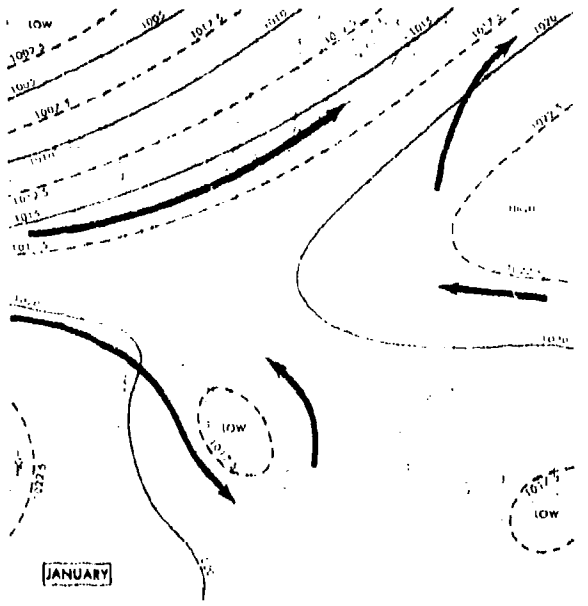

Figure 1. Mean sea-level pressure (millibars) and generalized surface airflow, January

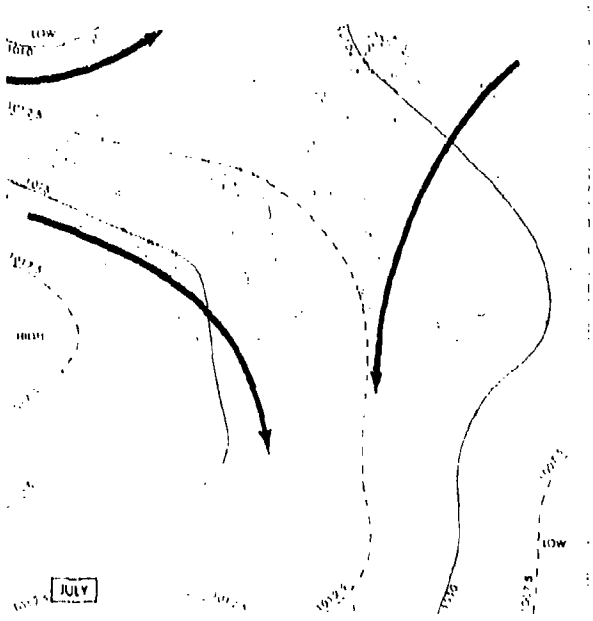

Figure 2. Mean sea-level pressure (millibars) and generalized surface airflow, July

b. Migratory pressure systems and fronts — The general circulation controls average conditions over Yugoslavia as a whole, but the variations in daily weather are more closely associated with the passage of migratory pressure systems and fronts over the country or close by. The most important of these systems are the migratory lows or cyclonic storms and their associated fronts which together produce much of the precipitation, cloudiness, low ceilings and visibilities, and variable winds experienced in this Area. The principal tracks of lows or cyclonic storms are shown, for the four seasons, in Figures 3 through 6. The prevailing direction of motion of the lows is indicated by the arrows. Solid lines denote primary tracks, those that are most frequent and best defined; dashed lines denote secondary tracks that are less frequent and less well defined. The tracks shown are for the centers of lows and in no way represent the limits of the associated weather conditions, which may extend hundreds of miles from the low center.

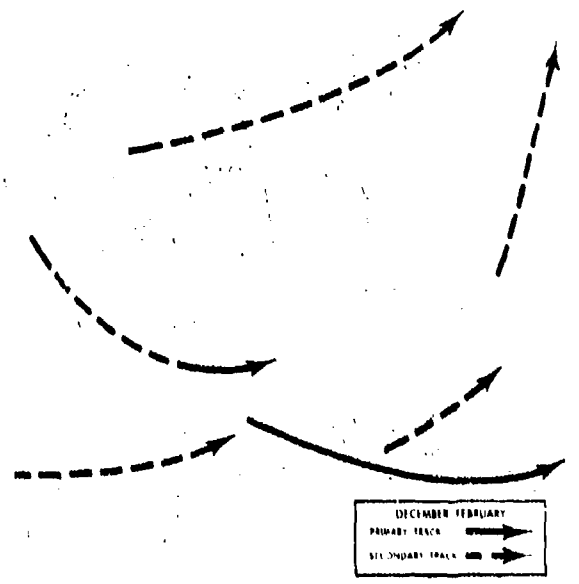

Figure 3. Principal tracks of cyclonic storms, December–February

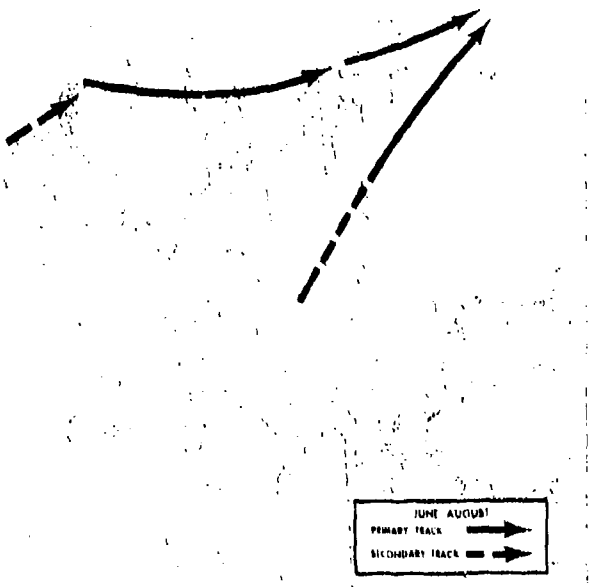

Figure 5. Principal tracks of cyclonic storms, June–August

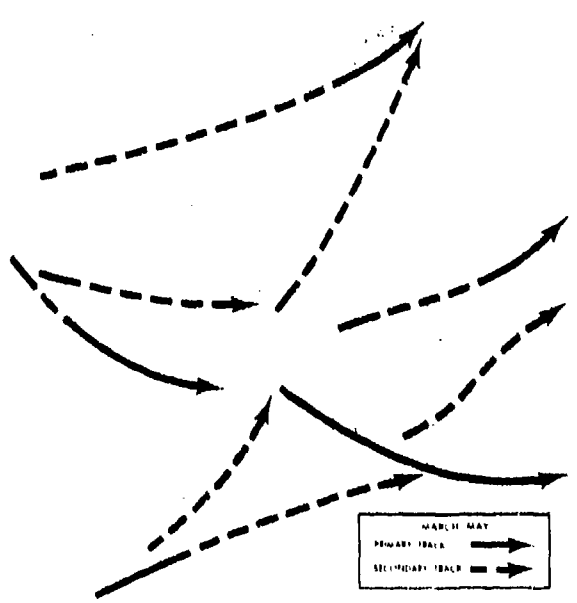

Figure 4. Principal tracks of cyclonic storms, March–May

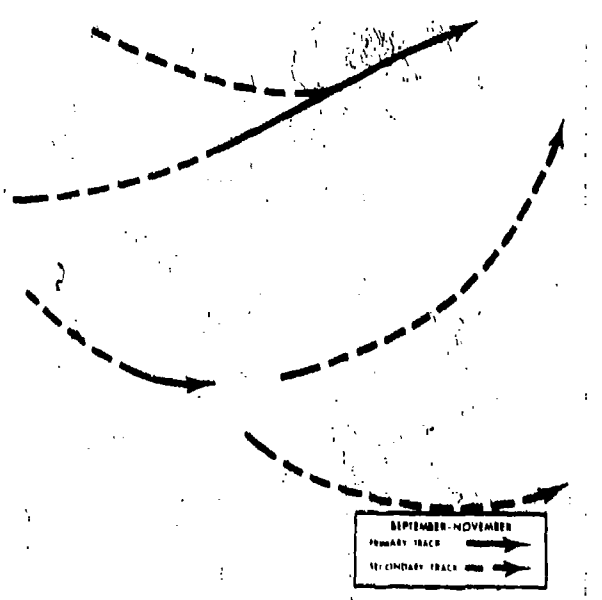

Figure 6. Principal tracks of cyclonic storms, September–November

Few lows pass directly over Yugoslavia, but the circulation around low centers passing nearby produces much of the precipitation and cloudiness that occurs over the country in winter, autumn, and spring. The frequency of lows affecting Yugoslavia is at a maximum in winter and at a minimum in summer, but the lows in spring and autumn, although fewer than in winter, are important factors contributing to the precipitation and cloudiness of these seasons. The tracks taken by cyclonic storms, as shown in FIGURES 3 through 6, largely determine their effect upon the weather of Yugoslavia. Lows moving east or northeast from the northern Adriatic Sea bring the most frequent cloudiness, rainfall, and low ceilings and visibilities to the northern portion of the Area. These lows occur most often in late spring, early summer, and autumn, but they are not as frequent as those on other tracks. Lows moving southeastward over the Adriatic Sea often produce heavy rain, thick low clouds, and strong winds along the entire coast and the windward slopes of the coastal mountains. These lows, which are usually small but active and often intense, are most frequent in winter and spring. Lows moving southeastward to the west of Italy and then eastward sometimes attain considerable size and intensity and bring heavy rain, thick cloud decks, and occasionally gale winds to the coastal lowlands and windward mountain slopes. They are most frequent in winter. The infrequent summer lows are usually weak and the attending weather seldom very active.

Migratory highs are less numerous than migratory lows, but they do occur from time to time throughout the year. When migratory highs pass over or near Yugoslavia they normally produce brief periods of clear skies over the part of the country affected. At interior locations these highs are most frequent in winter and help to bring about the colder temperatures. Along the Adriatic coasts migratory highs occur more often in summer; they are one cause of the clear skies of this season.

c. AIR MASSES — The principal air masses that influence the climate of Yugoslavia are polar maritime from the North Atlantic Ocean, tropical continental from North Africa and interior Eurasia, and polar continental from Eurasia. All of these air masses have been modified by their passage over land or water surfaces by the time they reach the Area, so that they retain few of their original characteristics.

In winter, polar maritime air arrives over Yugoslavia from the North Atlantic by the way of southern France or through the Strait of Gibraltar, and thence across the Mediterranean. This air mass is cool and stable in its source region, but after passage over the warm waters of the sea it acquires heat and moisture from below and arrives over Yugoslavia as a moist unstable air mass. This type of polar maritime air is responsible for much of the precipitation and cloudiness in winter, particularly on the western slopes of the mountains that face the airflow. Tropical continental air originates over North Africa in winter and moves northward across the Mediterranean Sea. This air mass is hot, dry, and unstable in its source region, but it is cooled, acquires moisture, and becomes more stable in the lower levels by its passage across the sea. When it reaches Yugoslavia, usually in advance of a migratory low, it produces low ragged clouds, fog, and drizzle, but, as it is lifted up the mountain slopes, heavy rains occur. Polar continental air is found over Yugoslavia when the Siberian high pushes into the Balkans. This air mass is warmed somewhat by its passage over the Eurasian landmass, but it still arrives over the Area as a cold dry air mass and produces periods of clear skies and extremely cold temperatures.

The predominant air mass of summer is tropical continental. This summer air mass is much different from the tropical continental of winter, since its source region is the interior of southeastern Europe and west central Asia rather than northern Africa. This tropical continental air reaches Yugoslavia as a dry, warm, unstable air mass and brings about the generally clearer skies of summer. It does acquire some moisture, however, from passage over the eastern Mediterranean, Black, and Caspian Seas. This moisture and the instability of the air mass combine to cause summer thunderstorm activity.

d. TOPOGRAPHY — The mountainous terrain both within and without Yugoslavia has an important influence on the Area's climate. The principal effect of topography within the country is the condensation of moist air by lifting over higher relief, thereby increasing precipitation and cloud amounts on the windward slopes. Conversely, the leeward slopes are protected from the moist airflow, and cloudiness and precipitation are generally less. These effects are most noticeable in the general decrease in precipitation amounts from west to east across the mountains.

Temperatures throughout the mountainous regions are greatly influenced by elevation and local relief features. Normally air is cooled when lifted, so that at higher elevations temperatures are cooler. Another local influence on temperature is found in closed-off basins, valleys, and sinkholes. Here, cold air becomes trapped and produces colder temperatures than those experienced over the surrounding terrain. This effect is most noticeable in winter when some of the coldest recorded temperatures occur in these depressions. The coastal mountain ranges of Yugoslavia also act as barriers to the west to east movement of low-pressure centers. All but the most intense lows are deflected southeastward down the Adriatic Sea. Even the more intense lows are weakened and retarded in their eastward movement over the rugged terrain. Surface winds are also strongly affected by the mountainous relief. Directions tend to be orientated the same as nearby valleys and ridges. Speeds increase where valleys and ravines become narrower and decrease where they become wider. The movement of colder, heavier air down mountain slopes is also significant in this Area. A good example of this influence is the *bora* (see Subsection A, 3) that occurs along the Yugoslavian coasts in winter. The most important topographical features outside of Yugoslavia which influence the climate are the Alps and the Carpathian Mountains

of Europe. These mountains act as generally effective barriers to the colder air masses and migratory lows of northern Europe and Asia.

c. Latitude and oceanic influences — The only noticeable latitudinal effect in this Area is upon temperatures. In general, temperatures at similar elevations decrease from south to north. Oceanic influences are most pronounced in the Coast and Islands Region bordering the Adriatic Sea. Here, the seasonal variation in many of the climatic elements is much less than at interior locations. The greatest maritime effect is on temperatures at coastal locations; they are milder in winter and cooler in summer than at inland locations. The major source of moisture for air masses arriving over Yugoslavia from the west and south is the Mediterranean Sea. Air masses from the east are supplied with moisture from the Black and Caspian Seas, although, because of their distance from the Area and their smaller size, the amount of moisture supplied by them is much less than that added by the Mediterranean.

3. Special phenomena

Widespread disastrous weather is rare in Yugoslavia. Nevertheless, several different weather phenomena peculiar to certain districts of the country may cause local damage. Among these are unusual local winds, flash floods, and hail.

a. Bora — The *bora* is a cold, strong, north or northeast wind that blows downslope from the mountains to the sea along the Yugoslavian coast. The intensity of this wind varies from place to place, depending mostly on local topography. The bora is strongest and most frequent in winter, but it also occurs in other seasons. In general, winds are strongest where coastal mountains rise to at least 2,000 feet within several miles of the coast. During a recent ten years of record, maximum recorded surface wind speeds during a winter bora were 58 knots at Split, 48 knots at Pula, 38 knots at Zadar, 33 knots at Ulcinj, and 52 knots at Titograd. The most dangerous aspect of this wind is that it arrives suddenly, without warning; its strength is such that travel by coastal waters, road, and even by railway may be interrupted temporarily. The degree of persistence of the bora is quite variable. In some cases it lasts only a few hours, but at times it may prevail for several days.

Typical weather conditions are associated with the bora. Low temperatures always occur; even at the sheltered island town of Hvar the temperature has dropped from 64° F. to 24° F. shortly after the wind began. Sometimes the skies are clear, but at other times they are cloudy, with heavy rain or snow falling. These variable weather conditions depend on the distribution of pressure. Three types of pressure distribution occur. The bora of the first type develops when a low moves southeastward in the Adriatic and cold polar continental air overlies the Yugoslavian plateau. As the low passes, the cold air is drawn into its circulation. This type produces very cloudy conditions with much snow and rain. A second type occurs when a strong high is centered over southeastern Europe. Cold air moves around the western edges of the high toward distinct lows located in the southern Adriatic or even farther south in the Mediterranean Sea. In this case the bora produces clear skies. Sometimes the passage of a low down the Adriatic leads to the occurrence of both of these types, one succeeding the other. The cloudy bora comes first as the low passes and is followed by the clear type as the low reaches the southern end of the Adriatic. A third type, which is more local in character, occurs when a high lies over the Balkans and very shallow lows are produced during local differences of temperatures near the coast or between the coast and the mountains. These lows are not always discernible on the daily weather maps. Therefore, without warning, they bring very sudden local outbursts of cold air for short periods.

b. Sirocco — The *sirocco* is a warm, humid, debilitating, southeasterly wind. It blows on the coast and western mountain slopes of Yugoslavia most often in the colder half of the year, but it has been observed occasionally in the warmer half of the year. Unlike the bora, with which it alternates quite often, the sirocco blows in advance of lows moving down the Adriatic or across the Mediterranean. Another difference is that it begins gently and only gradually attains full strength. When fully developed, however, it occasionally reaches gale force (28 knots or more). Weather associated with the sirocco consists of abundant low clouds, rising temperature, and heavy rain, and, in the northern part of the Adriatic, extensive fog over coastal sections. The rainfall is particularly copious on the western slopes of the mountains that face the sea. At times the sirocco only reaches the southern coast of Yugoslavia; at other times it dominates the Adriatic from end to end. Its extent depends on the strength, movements, and relative positions of the associated highs and lows. The most intensive and widespread sirocco winds occur when there is a well-developed low over the western Mediterranean with a secondary low to the south of Sicily. Under these conditions, southwesterly winds may prevail from the Sahara as far as the Ionian Sea, with the flow changing to southeasterly northward to the Gulf of Venice. This type of situation brings cloudy, rainy, and oppressive weather along the entire length of the Coast and Islands Region and the western slopes of the Interior Highlands Region. Not all of the sirocco winds have the typical dampness and cloudiness. On rare occasions, when there is a low to the west or southwest of Italy, the sirocco comes directly from the Sahara and brings warm, dry, and dusty weather to the coast of Yugoslavia.

c. Kossava — The *kossava*, from the Serbo-Croatian "kasava" meaning east wind, is a cold, sometimes strong, east or southeast wind that occurs in eastern parts of the Northern Plains Region, principally in the colder half of the year. This wind occurs most often when there is an extensive high over central Europe and southern Russia and a low to the southwest or west over the Tyrrhenian

or Adriatic Seas. Under these conditions cold air descends toward the Danube plains from the mountains of Rumania and Bulgaria. The average speed of this wind is generally 27 knots or less, but gusts of higher velocity have occurred at time For example, Belgrade has recorded a speed of 46 knots from the east-southeast in January. Speeds show a marked diurnal variation, with the maximum speed between 5 A.M. and 10 A.M. The cold temperatures and strong winds of the kossava are a hazard to troops, since they will cause rapid freezing of exposed flesh. On rare occasions the kossava occurs in summer. When it does, it is a very dusty wind and sometimes causes duststorms. Often the bora tends to blow along the coast simultaneously with the kossava in the northeast, since both of these winds take place under similar conditions.

d. VARDARAC — The *vardarac* is a cold, occasionally strong wind that blows down the Vardar valley in the southern part of the Interior Highlands Region. The vardarac develops most often in winter, occurring when the pressure is high over the Balkans and low over the Aegean Sea. A much weaker version takes place in summer. Its direction is modified locally by the trend of the relief, but it always blows from a northerly point. In winter, the vardarac brings cold, clear, and dry weather; in summer, it brings cool temperatures. The average speed of the vardarac is about 10 knots, but it is occasionally stronger, with gusts up to about 35 knots.

e. FOEHN — A wind comparable to the *foehn* of the eastern Alps occurs in some portions of the Dinaric Alps at times. This is a strong, dry, descending wind, which usually arrives at lower levels as a warm wind. It brings clear weather to the lee slopes of the ranges. Because of its warmth and dryness, it often melts the snow cover over which it blows. The foehn is especially notable in the vicinity of Sarajevo. The downward current of this wind is extremely strong (Sarajevo has recorded a speed of 68 knots in November) and is dangerous to low-flying aircraft. The foehn does not occur very often, but it may be expected once or twice during the colder half of the year.

f. FLASH FLOODS — Heavy short-period precipitation produces flash floods in almost all parts of Yugoslavia at times, but the greatest danger of flooding takes place in the mountains and in the lowlands adjacent to the mountains. Flash floods would be most likely in summer or autumn when short-period precipitation is heaviest at many of the locations. Flash floods are most dangerous in the mountains where slopes are steep and drainage channels are narrow. Within a few hours heavy rain can fill these channels and debris may be hurled downstream by the rushing waters. These flash floods can seriously interrupt cross-country travel and communication.

g. HAIL — Local damage to property and crops occurs occasionally at most locations in the Area because of hail. Hail is most frequent in the warmer half of the year, but it has been reported at some places during all months. The frequency of reported hail at all locations is one day or less per month on the average.

B. Weather and military operations

This Subsection is concerned with the effects of the meteorological elements upon military operations, which are here divided into four basic groups: air, air-ground, ground surface, and amphibious. Under each group are discussed the weather elements primarily relevant to the operations in that group. However, weather elements which are considered most applicable to one basic group may also affect operations in others. In such cases, reference should be made to the appropriate Subsection. The meteorological information contained herein is organized to highlight conditions that may be pertinent factors in planning. Discussion of the effects of weather on specific operations is not attempted since the weather factor in an operation is subject to change with the changing requirements of the operation itself.

1. Air operations

a. CLOUDINESS — The differences in elevation, exposure, and local relief cause considerable variation in average cloud cover from place to place in Yugoslavia. Typical variations are depicted by the bar graphs in FIGURES 7 and 8 and by the tabular data in FIGURE 36. The more frequent passage of migratory lows and fronts in late autumn and winter produces the maximum cloudiness of the year during this period. Minimum cloudiness occurs in the latter half of summer and early autumn, when lows and fronts are infrequent. The cloudiest months are usually November and December and the least cloudy month is most often August.

Mean cloud cover is greatest in the Interior Highlands Region, where the mean annual cloud cover is mostly 50% to 80%. The cloudiest part of the region is along its western boundary. Here the windward mountain slopes are exposed to the moist airflow from the Adriatic and Mediterranean Seas, and cloudiness is extensive, particularly when a low moves southward in the Adriatic. Unfortunately, almost no cloud observations are available from these rugged mountain slopes. In general, cloudiness decreases from the north toward the southeast. In late autumn and winter the principal cloud types are stratiform. Stratus clouds tend to form near sunrise, lift and decrease slightly during the day, and become least apparent during late afternoon. Therefore, cloudiness is at a maximum in the early morning, averaging 70% to 95% coverage in most autumn and winter months, whereas minimum cloud cover occurs in the early evening, with monthly averages of

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NOTE: Air operations are defined as those operations taking place primarily above the frictional influence of the surface terrain on atmospheric circulation. The meteorological elements discussed in this Subsection are those which are of primary importance to such operations as high-level visual bombing, radar bombing, aerial photography, most types of aerial reconnaissance, and fighter support and interception.

50% to 75%. In the latter half of summer and early autumn, the period of minimum cloudiness, cumuliform cloudiness is predominant. Cumulus clouds usually start to form about midmorning, reach their greatest development in the afternoon, and dissipate at night. Consequently, skies are most cloudy in the afternoon, when monthly averages of 30% to 60% cloud cover are common. Skies are least cloudy at night with 20% to 50% coverage in most months in the latter half of summer and early autumn. In the Interior Highlands the diurnal range in mean cloudiness varies greatly from place to place, but in general it is greatest, 10% to 40%, in spring, summer, and early autumn. The daily cloud cover changes least in late autumn and winter, when diurnal ranges of 10% to 20% are common.

The Northern Plains Region is a little less cloudy than the Interior Highlands Region. Annual averages of cloud cover in the Northern Plains are 45% to 65%. Although variations in cloud cover from place to place over this region are not pronounced, there is a slight decrease in cloudiness from west to east. The prevailing stratiform clouds of late autumn and winter, the period of maximum cloudiness, produce an early morning maximum of 70% to 85% mean cloud cover for most months, and a nighttime minimum of 60% to 70%. The typical cumulus clouds in the latter half of summer and early autumn, the period of minimum coverage, result in an afternoon maximum cloud cover, with monthly averages of 35% to 55%. Cumulus activity decreases at night, so that mean cloudiness reaches a minimum at late night hours, with monthly amounts of 25% to 50%. The diurnal variation in mean cloudiness is not large in the Northern Plains. Most locations record a maximum daily range of 10% to 25% in spring, summer, and early autumn and a minimum range of 10% to 15% in late autumn and winter.

The Coast and Islands Region is the least cloudy of all the regions, especially in the latter half of summer and early autumn. The mean annual cloudiness is between 40% and 60%. In general, cloudiness increases from south to north and west to east. The nearby Adriatic greatly influences the cloudiness over the Coast and Islands Region. Land and sea breezes occur throughout the year, although they are most pronounced in summer. The sea breeze with its moist air, together with the lift provided by the nearby mountains, results in maximum cloudiness during the day. Cloud cover is greatest in late autumn and winter, averaging 60% to 75% a month in the day and 50% to 65% a month at night. Skies are least cloudy in the last two months of summer and the first month of autumn. At these times, mean monthly cloudiness is 10% to 30% in the latter part of the night and 15% to 45% in the afternoon and early evening. Diurnal ranges are largest in spring, summer, and early autumn, averaging mostly 10% to 25% a month, and smallest in late autumn and winter when monthly averages are 5% to 20%.

Good indicators of cloud conditions over Yugoslavia are the mean number of clear days (equal to or less than 2-eighths cloud cover) and cloudy days (equal to or greater than 6-eighths cloud cover). These are shown graphically in FIGURES 9 and 10 and by tables in FIGURES 37 and 38. The distribution of the mean number of clear and cloudy days over the Area follows the same general pattern as mean cloudiness. This is true both regionally and seasonally. Clear conditions are most frequent in the latter half of summer and early autumn when they are observed on the average of 10 to 30 days a month, depending on exposure of the station and on the time of day. Late autumn and winter have the least number of clear days, most months averaging 5 to 15. The Coast and Islands Region has the greatest number of clear days, while the Interior Highlands and Northern Plains Regions have the least. The distribution of cloudy conditions is the opposite of that of clear conditions. Cloudy days occur most often in late autumn and winter, with monthly means of 15 to 30 days. They occur least often in the latter half of summer and early autumn, when cloudy days are observed about 5 to 15 times a month at most locations. Regionally, cloudy skies are found most often in the Interior Highlands, especially over the western border. The Northern Plains records slightly fewer cloudy days than the Interior Highlands, while the Coast and Islands Region records the least number.

b. THUNDERSTORMS AND TURBULENCE — Primarily because of the varied topography, there is a marked variation from place to place in the frequency of thunderstorms in Yugoslavia. This variation is illustrated in FIGURE 11 and by the tabular data in FIGURE 39. No definite regional maximum or minimum in thunderstorm days is evident in this Area, all three regions having locations with large and small numbers of thunderstorms. In general, however, thunderstorms are most frequent on the exposed western slopes of the mountains and in the larger plains and basin districts. The increased occurrence of thunderstorms on the slopes results from the extra lift provided by the terrain, enough to set off thunderstorm activity in the warm moist air masses that invade the Area from the west. In the larger plains and basins, surface heating, which is more intense than over the nearby mountains, provides the necessary extra lift to set off storms. Locations with the least number of thunderstorm days are usually those on the protected eastern slopes of the mountains or in narrow sheltered valleys. Thunderstorms have been recorded in all months at some locations in Yugoslavia, probably as a result of frontal passages, but the greatest number of thunderstorm days occurs during the warmer months. In the Northern Plains and Interior Highlands the maximum occurs in May through August, reflecting the increased summer insolation. During this period, exposed locations average 3 to 8 thunderstorm days a month and protected spots average 2 days or less a month. Thunderstorm days in the Coast and Islands Region are fairly evenly distributed throughout May through November, with monthly means of 3 to 6 days at exposed locations and 3 days or less at sheltered places. In win-

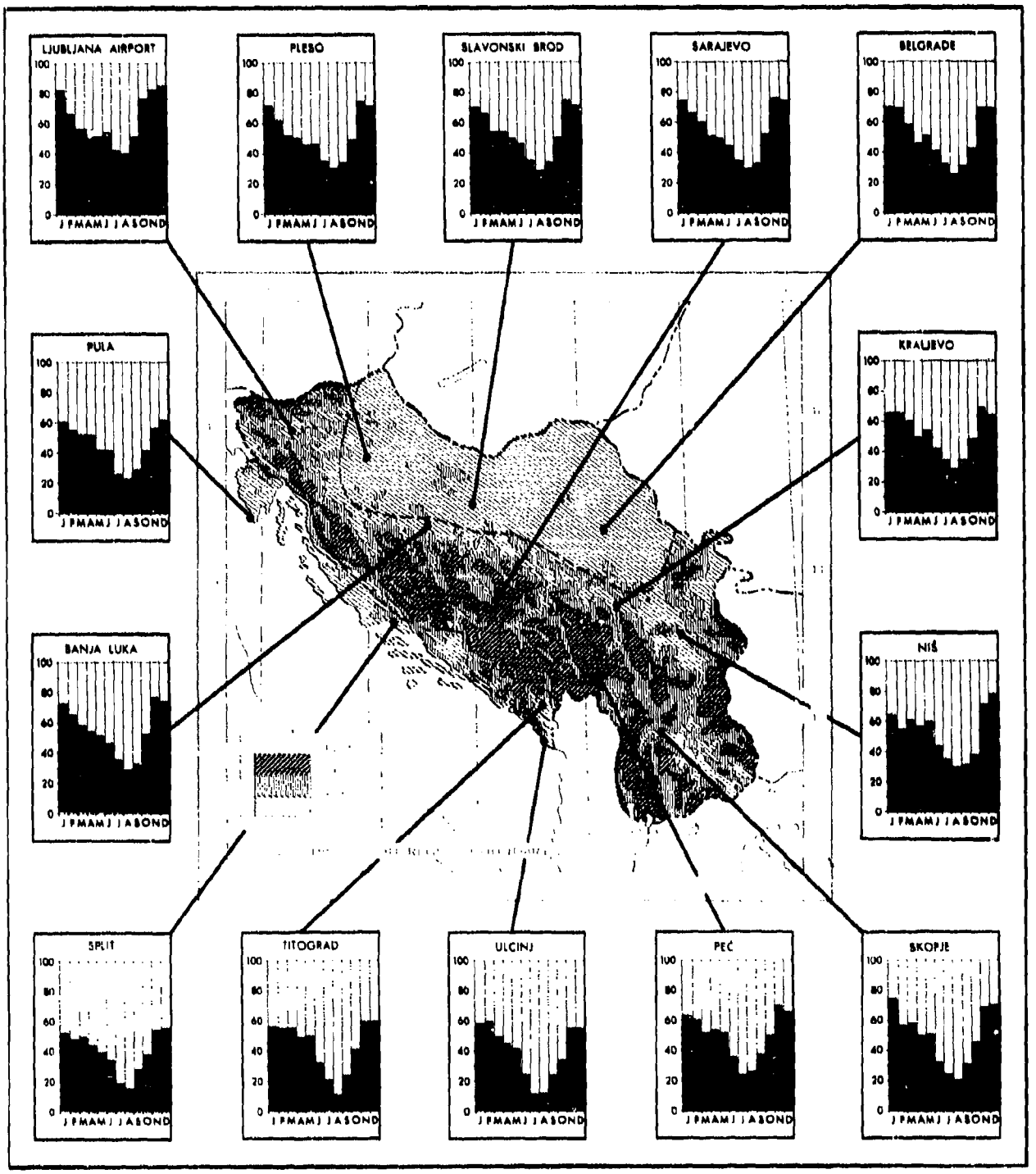

FIGURE 7. MEAN CLOUDINESS (%) AT 0100 LST. (For tabular data see FIGURE 36.)

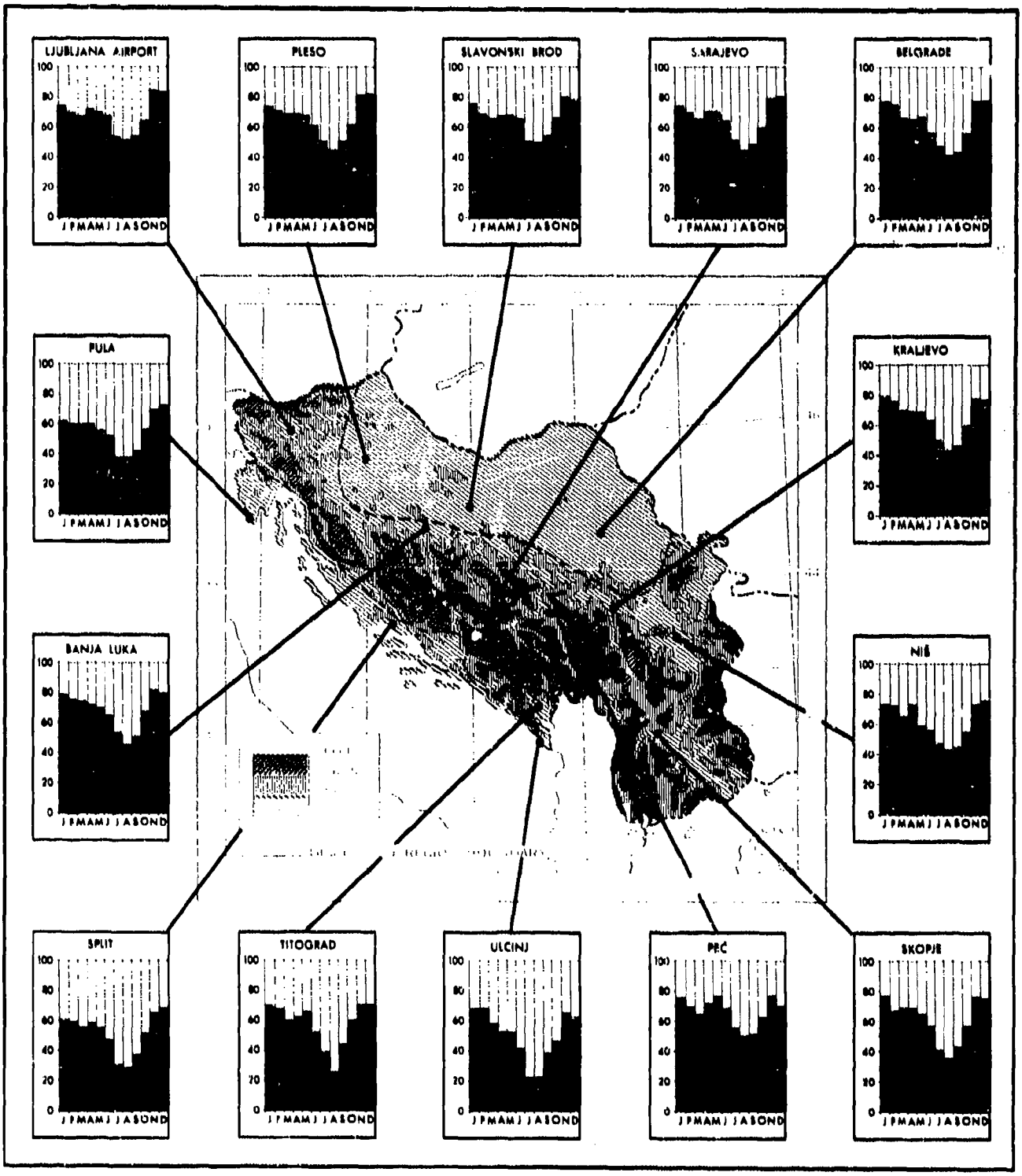

FIGURE 8. MEAN CLOUDINESS (%) AT 1300 LST. (For tabular data see FIGURE 36.)

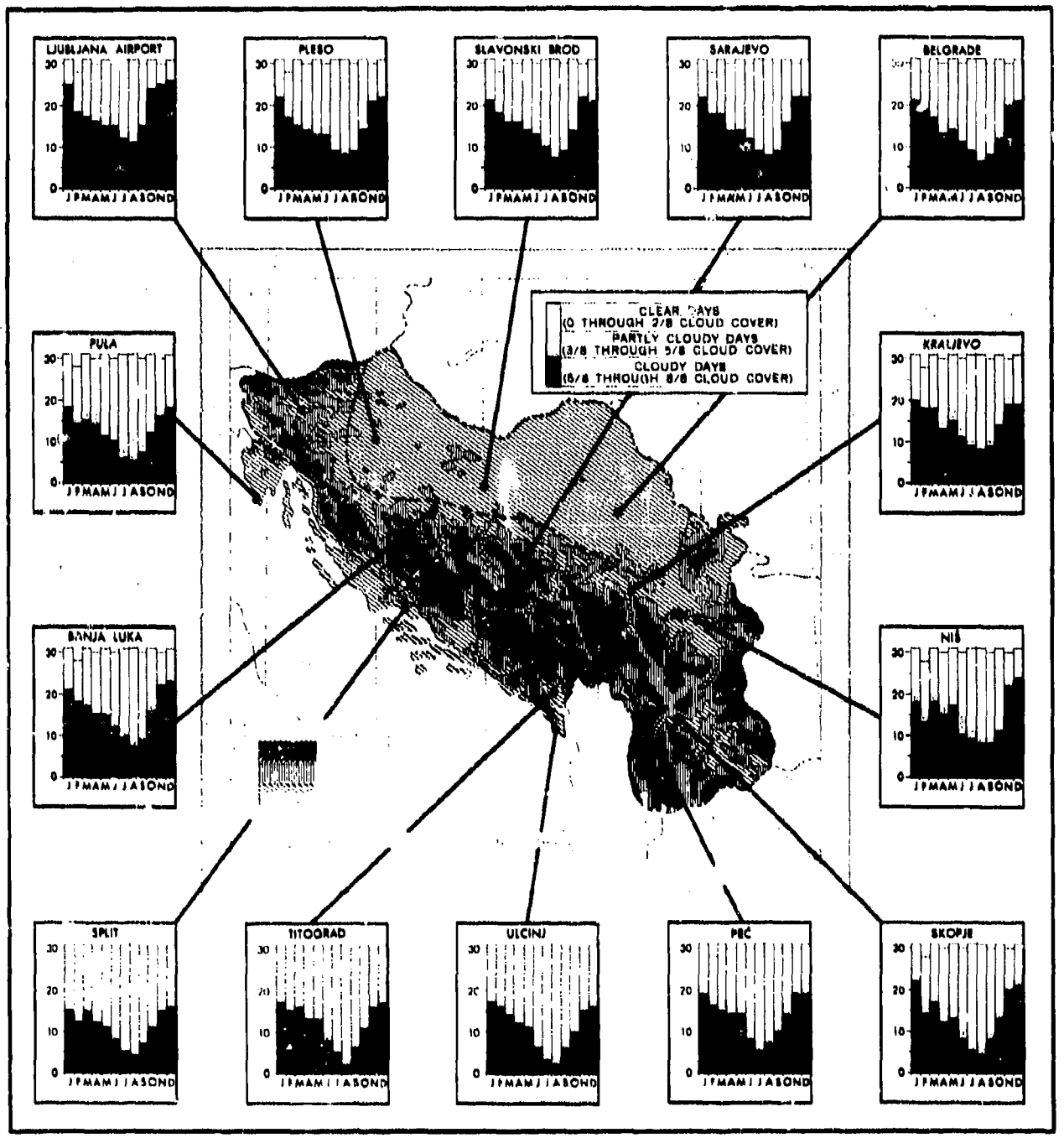

FIGURE 9. MEAN NUMBER OF CLEAR, PARTLY CLOUDY, AND CLOUDY DAYS AT 0100 LST. (For tabular data see FIGURES 37 and 38.)

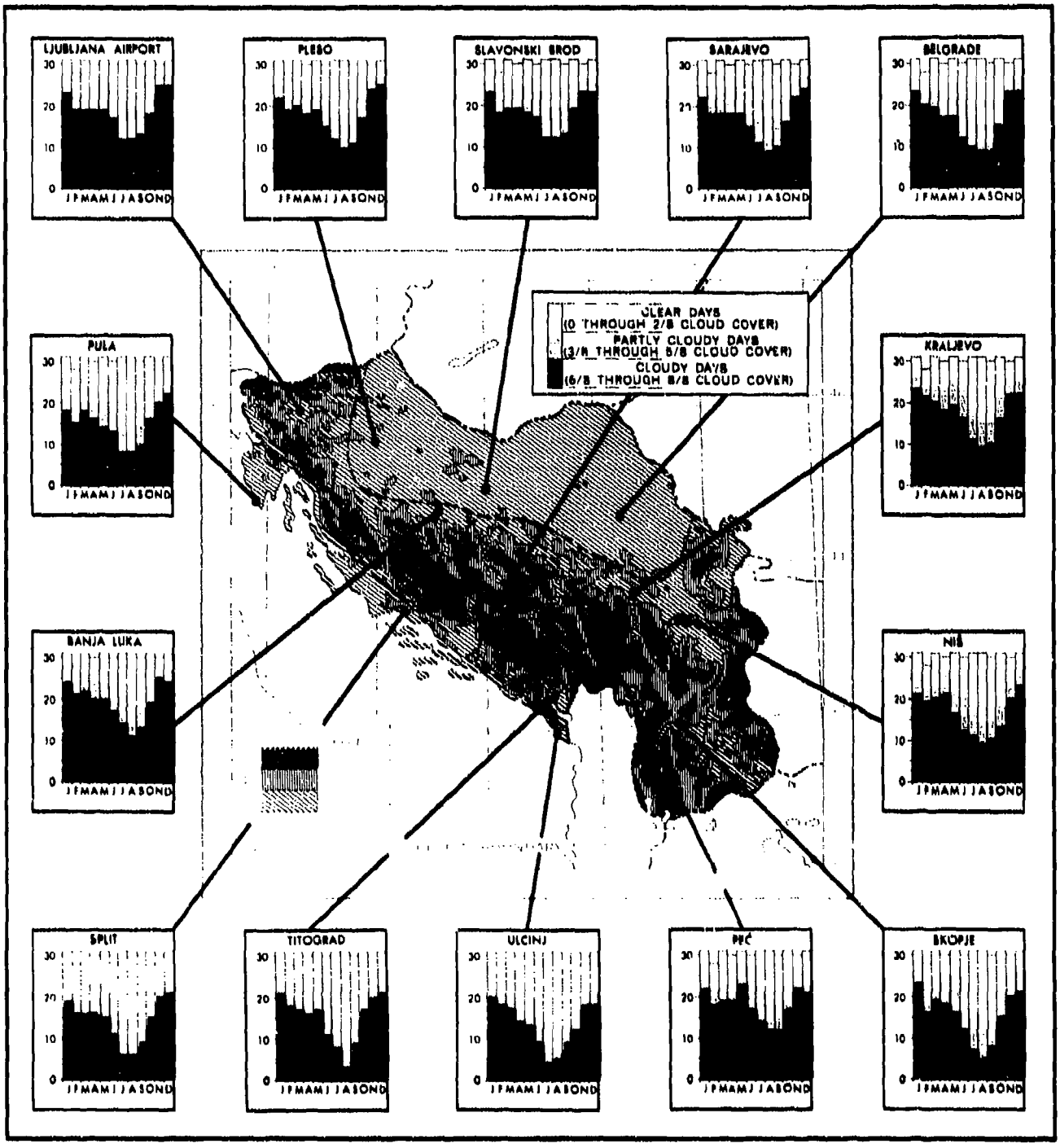

FIGURE 10. MEAN NUMBER OF CLEAR, PARTLY CLOUDY, AND CLOUDY DAYS AT 1300 LST. (For tabular data see FIGURES 37 and 38.)

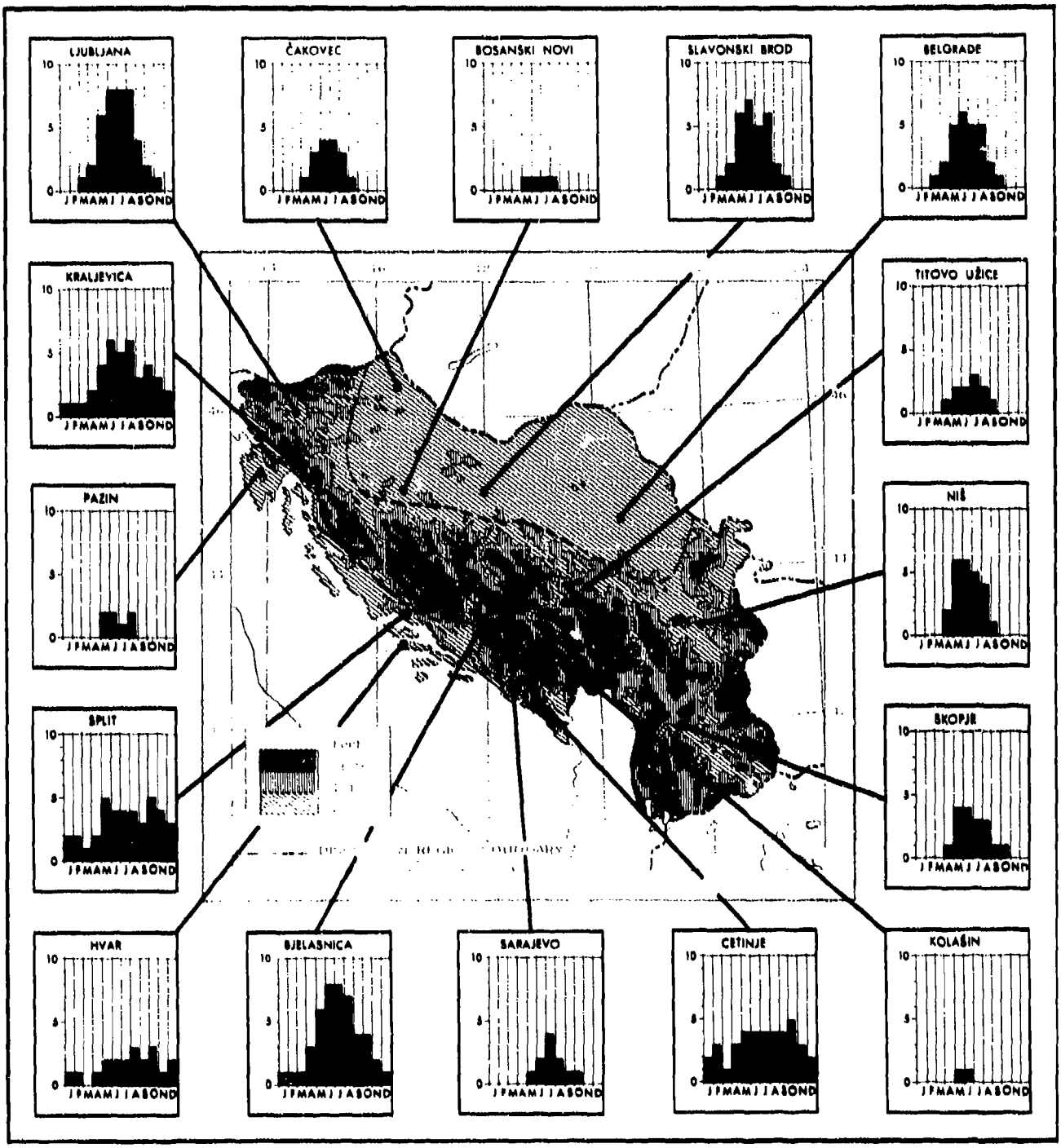

FIGURE 11. MEAN NUMBER OF DAYS WITH THUNDERSTORMS. (For tabular data see FIGURE 39.)

ter, thunderstorms occur less than 1 day per month at most places in the Interior Highlands and Northern Plains and slightly more often over the Coast and Islands Region. These thunderstorms are normally associated with the more intense lows that move down the Adriatic in winter.

Turbulence is encountered over Yugoslavia from time to time, depending on the weather pattern. During periods of thunderstorm activity, particularly over mountainous terrain, severe turbulence is always possible, but the degree of turbulence varies considerably, depending directly on the intensity of the storm. The rugged terrain of much of the Area helps to produce considerable orographic turbulence when the windflow is strong. During periods of strong winds, pronounced updrafts and downdrafts over mountainous terrain can be hazardous to aircraft. Another type of turbulence, although less intense than that caused by thunderstorms and terrain, occurs on hot summer days. The heat rising from the surface produces vertical air currents that cause turbulent conditions for several thousand feet above the surface. This type of turbulence is most prevalent over surfaces that are devoid of vegetation, since the surface heating is more intense in these locations. Turbulence occurs in almost all frontal zones. This type of turbulence would be encountered most frequently in the Coast and Islands Region, where frontal activity is most pronounced. A type of turbulence that is particularly dangerous because it is seldom indicated by attending cloudiness is the clear air turbulence often associated with the jet stream. Although the mean position of the jet stream is south of this NIS Area, it is found at intervals over the country. The most probable location of the clear air turbulence is near the tropopause, which averages about 34,000 feet in height in winter and 44,000 feet in summer over southern Yugoslavia. Such turbulence, considerably stronger in winter than in other seasons, is infrequent.

c. Upper-air winds — The upper-air wind roses in Figures 12 through 15 show the marked variation in upper-air wind directions over Yugoslavia at all levels throughout the year. This variation is most pronounced at levels below 20,000 feet, where the influences of migratory pressure systems and topography noticeably affect the wind directions. Although wind directions vary considerably to great heights, almost all levels have a prevailing direction. In autumn, winter, and spring the most frequently reported direction from about 10,000 feet to 87,000 feet is west. In summer the prevailing west wind also shows up, but only extends from 10,000 feet up to roughly 55,000 feet. Around 60,000 feet there is a transitional zone of variable winds. Above this zone at about 65,000 feet the prevailing direction becomes easterly and persists up to at least 87,000 feet. Below 10,000 feet, westerly winds still prevail during most seasons over much of the country, but there are exceptions and the prevalence is less evident than at higher levels. Exceptions to this west wind at levels below 10,000 feet are most pronounced along the coast. Here, during autumn, winter, and spring the prevailing direction is from the south. In extreme southern Yugoslavia northerly winds prevail in autumn and winter, although there is considerable variation.

In general, upper-air wind speeds are strongest in winter and weakest in spring, summer, or autumn. Wind speeds are strongest between about 30,000 and 40,000 feet, where average speeds are 30 to 50 knots, with decreasing speeds above and below this zone. At all other levels average speeds range from 10 to 45 knots. The actual wind speed quite often exceeds these means, especially in the zone of maximum winds (30,000 to 40,000 feet). In this zone wind speeds equal to or greater than 75 knots occur about 10% to 20% of the time in winter and roughly 5% to 10% of the time in spring, summer, and autumn. The frequency of winds of 75 knots or more is less than 6% at nearly all other levels, except at 87,000 feet in winter, where they occur 14% of the time. Wind speeds of 75 knots or greater are rare at levels below 18,000 feet.

d. Upper-air temperatures and aircraft icing — Figures 16 through 18 show the mean monthly upper-air temperatures, pressures, and tropopause heights for Zagreb, Belgrade, and Brindisi. These charts are representative of upper-air conditions over northern, central, and southern Yugoslavia, respectively. Regionally, differences in mean upper-air temperatures are not great; the southern part of the Area averages a few degrees warmer up to about 50,000 feet in winter and roughly 40,000 feet in summer. Above these levels, the southern part of the Area is a few degrees colder than the northern part. In general, temperatures decrease with altitude up to the tropopause, then level off, with only a few degrees difference between levels above the tropopause. The mean height of the tropopause in northern Yugoslavia lies at 34,000 feet in winter and 43,000 feet in summer. Over the southern part of the Area it is about 1,000 feet higher. Seasonally, mean upper-air temperatures up to the tropopause are about 10 to 15 centigrade degrees warmer in summer than they are in winter. Above the tropopause this difference decreases to 1 to 5 centigrade degrees.

The mean height of the freezing level (0° C. isotherm) is between 10,000 and 13,000 feet in summer and between the surface and 7,000 feet in winter. Normally the freezing level is lowest in the north and highest in the south. The actual day-to-day height of the freezing level may vary several thousand feet from the mean height at times, especially during the passage of migratory pressure systems and fronts, when upper-air conditions change rapidly.

Icing of aircraft is generally limited to clouds in which temperatures are at or slightly below freezing; such clouds are most frequently encountered in the winter season. Icing conditions occur most often in northern Yugoslavia, with a decreasing frequency southward across the Area. Above the levels most favorable for ice formation, the icing hazard decreases with height,

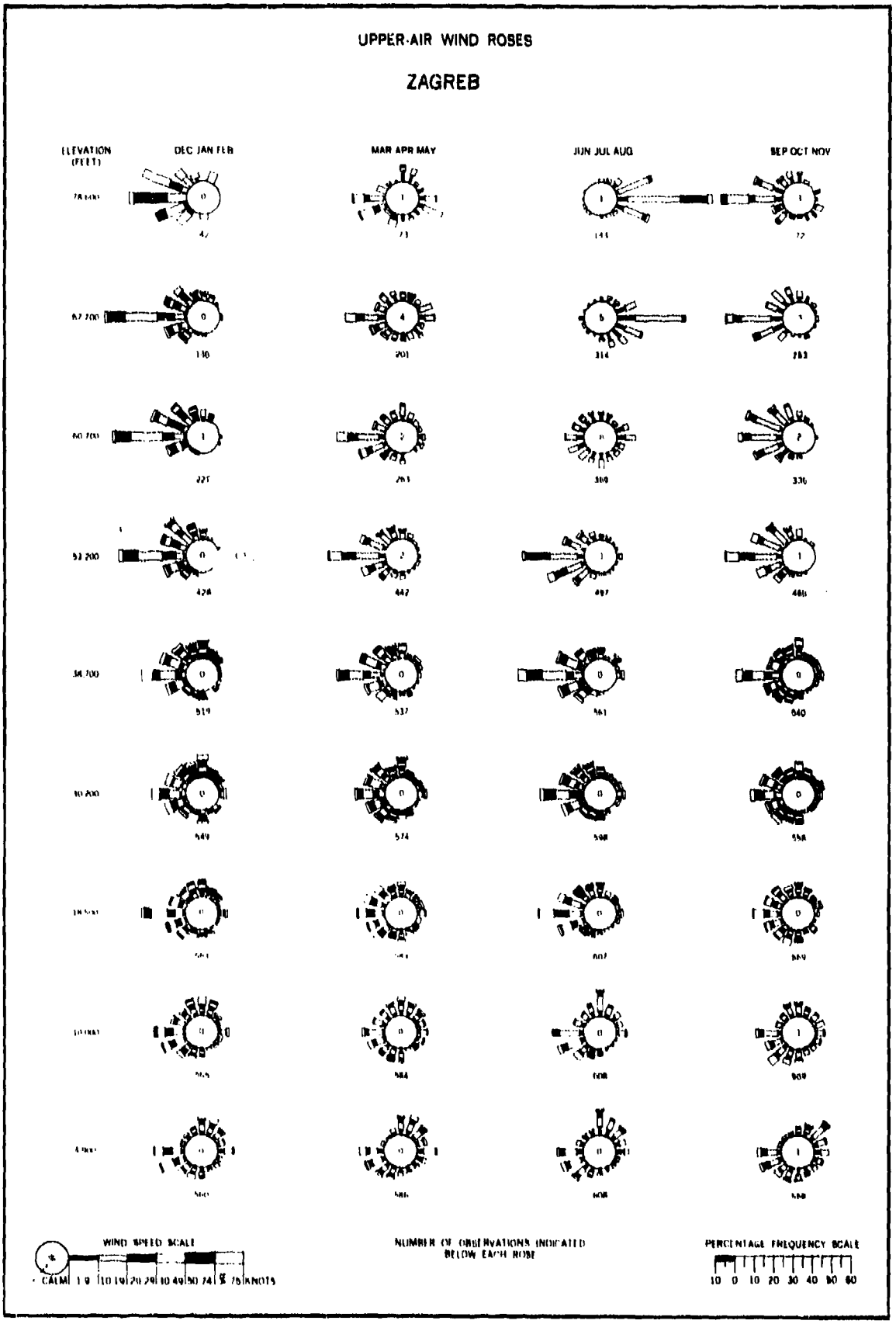

FIGURE 12. UPPER-AIR WIND ROSES, ZAGREB

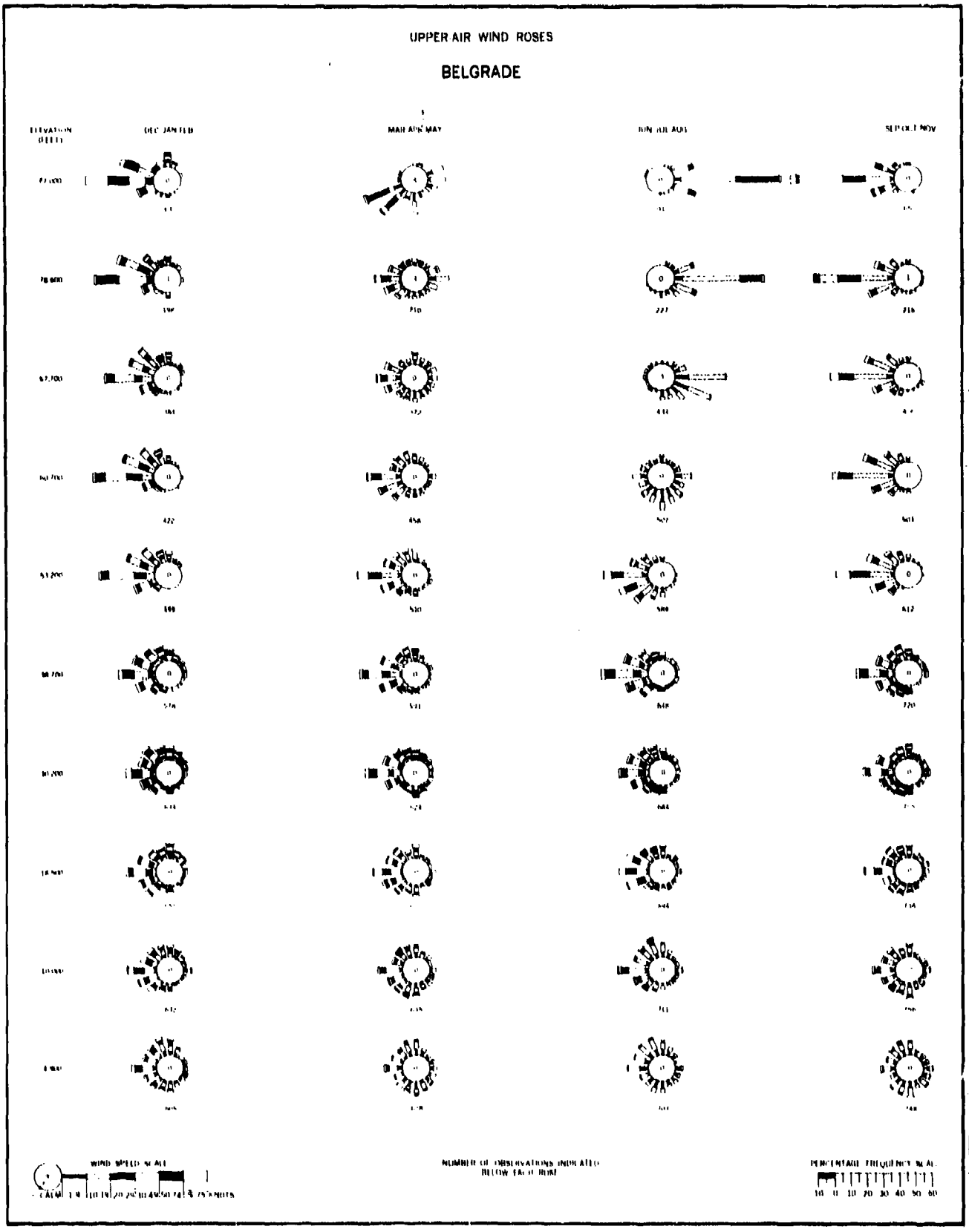

FIGURE 13. UPPER-AIR WIND ROSES, BELGRADE

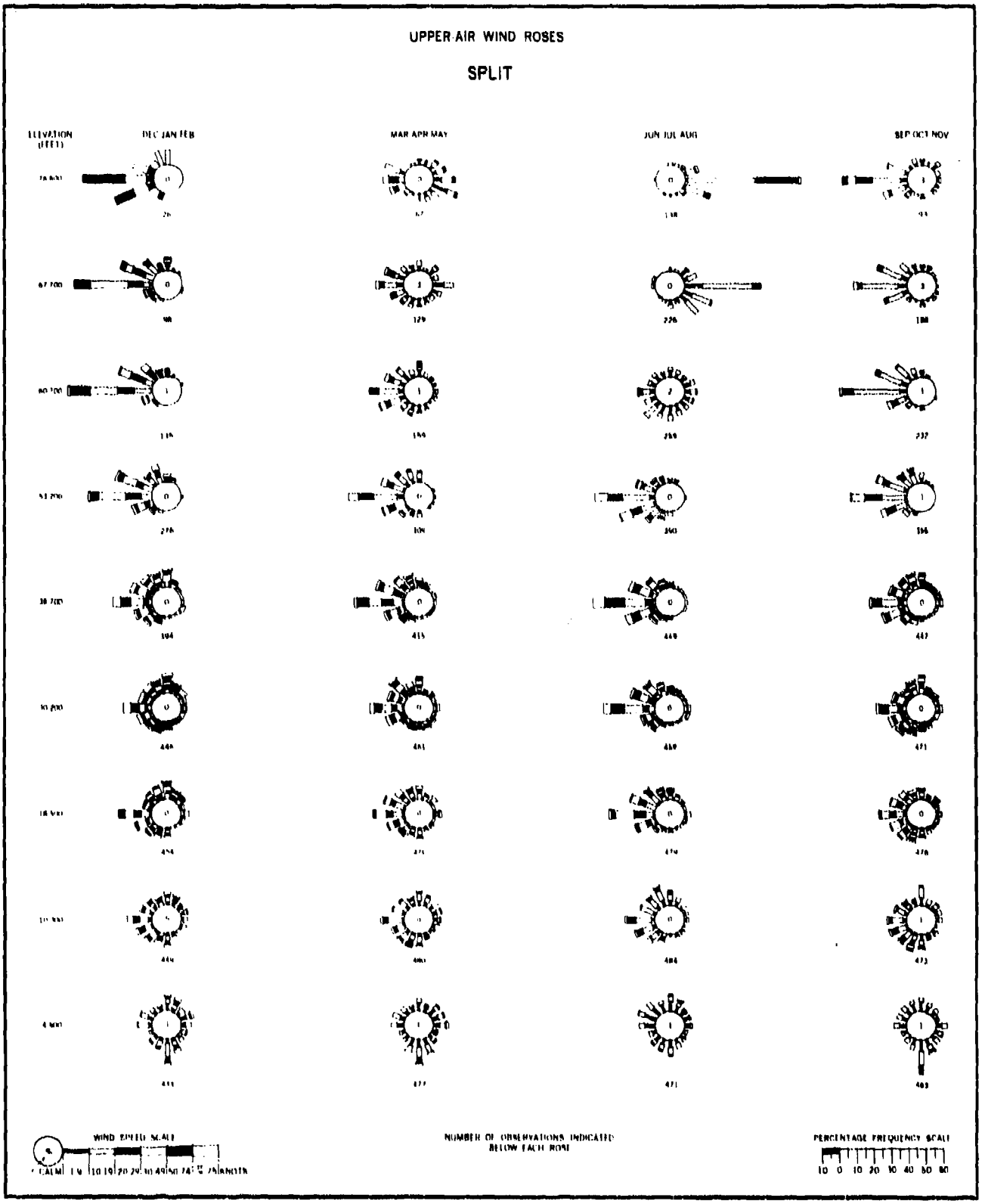

FIGURE 14. UPPER-AIR WIND ROSES, SPLIT

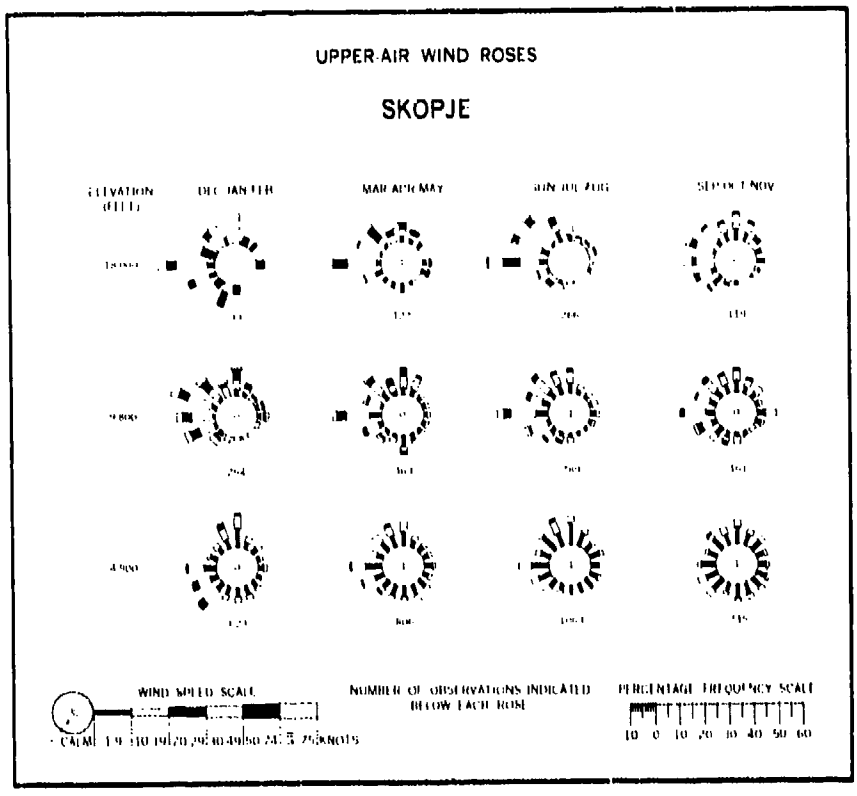

FIGURE 15. UPPER-AIR WIND ROSES, SKOPJE

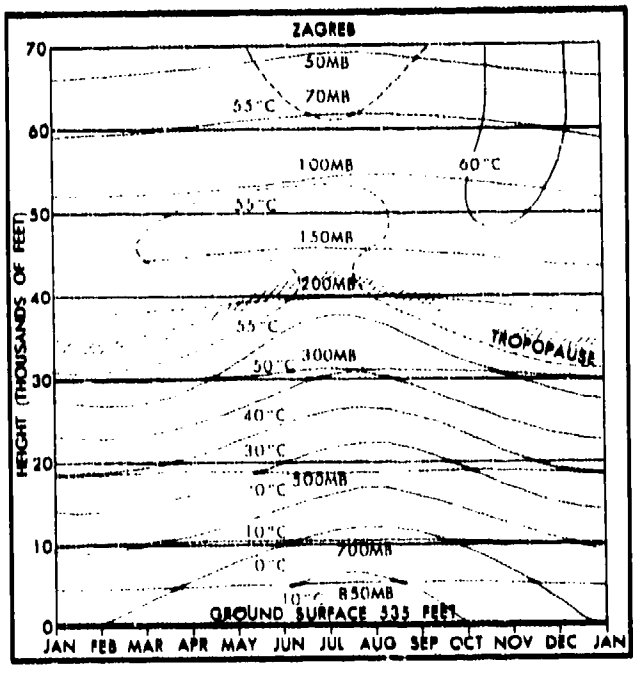

FIGURE 16. MEAN MONTHLY UPPER-AIR TEMPERATURES AND PRESSURES AT ZAGREB

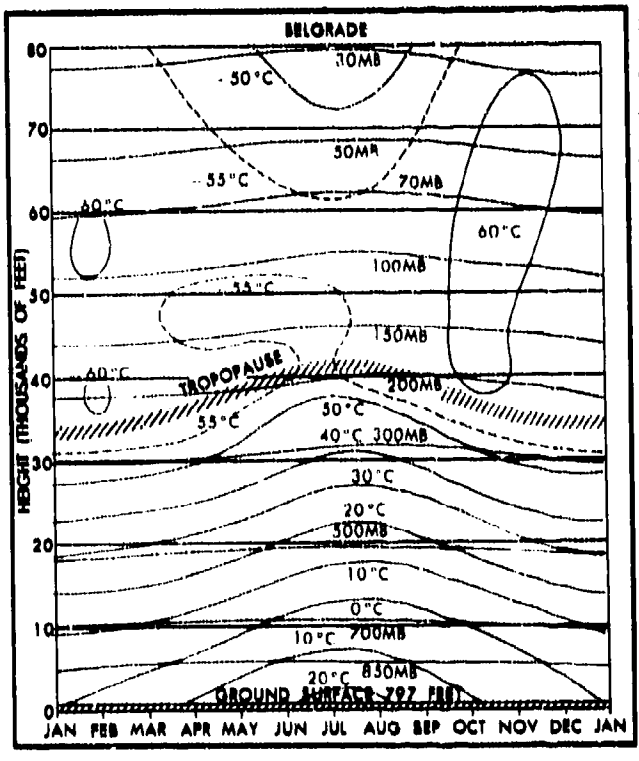

FIGURE 17. MEAN MONTHLY UPPER-AIR TEMPERATURES AND PRESSURES AT BELGRADE

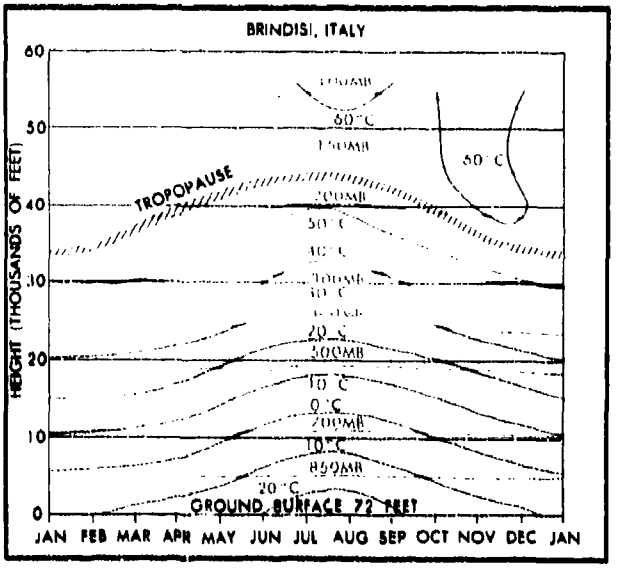

FIGURE 18. MEAN MONTHLY UPPER-AIR TEMPERATURES AND PRESSURES AT BRINDISI, ITALY

because of the decrease in temperature and drop in moisture content of the air. Thus, at −10° C. the clouds are normally composed of ice crystals and the icing hazard becomes less severe, while at −20° C. the moisture content is too low for all but very light rime icing. FIGURES 16 through 18 indicate that the most hazardous altitudes are from the surface to 11,000 feet in winter and from 10,000 to 18,000 feet in summer.

2. Air-ground operations

a. LOW CLOUDINESS AND CEILINGS — The amount of low clouds is of primary importance in the planning of air-ground operations, particularly if there is enough low cloudiness between the surface and about 5,000 feet to constitute a ceiling (5-eighths or more cloud cover). Yugoslavia has marked variations in low cloudiness and ceilings from place to place, depending on location, elevation, exposure, season, and the time of day. Some of these variations at representative locations are brought out by the graphic and tabular material. The bar graphs in FIGURES 19 and 20 and tabular data in FIGURE 40 show the percentage frequency of ceilings at 4,920 feet or less; FIGURE 41 gives the percentage frequency of ceilings of 983 feet or less; and FIGURES 42 and 43 give the mean number of days with low cloud amounts of 2-eighths or less and 6-eighths or more, respectively. Low cloudiness and ceilings occur most often in late autumn and winter. At this time of year the passage of lows and frontal systems with their associated cloud masses is at a maximum; in addition, low stratiform clouds form more readily in the moist air masses when they pass over the colder land surface. The amount of low clouds and ceilings everywhere decreases gradually from the maximum winter values to the minimum in the latter half of summer and early autumn. After early autumn the frequency of low cloudiness and ceilings increases abruptly to the late autumn and winter maximum.

Of the three discussion regions, the Interior Highlands has the greatest percentage of low cloudiness and of ceilings less than 5,000 feet, but it also has the greatest variation from place to place because of its rugged topography. The monthly frequencies of ceilings less than 5,000 feet at various hours range from 25% to 75% in late autumn and winter to 5% to 60% in the latter half of summer and early autumn. Some locations such as Ljubljana Airport average even higher frequencies because of local influences. In general, the occurrence of low clouds and ceilings decreases from north to south in the Interior Highlands. Diurnally these conditions are at a maximum in the early morning and afternoon and at a minimum during the night.

The Northern Plains has slightly less low cloudiness and ceilings than the Interior Highlands. The frequency of ceilings less than 5,000 feet over the Northern Plains ranges from 35% to 65% a month in late autumn and winter to 5% to 35% a month in the latter half of summer and early autumn. Low cloudiness and ceilings in the Northern Plains are most frequent in the early morning and afternoon hours and least frequent at night.

The Coast and Islands Region has the smallest occurrence of low cloudiness and ceilings, with monthly frequencies of ceilings less than 5,000 feet mostly 10% to 50% in late autumn and winter and 0% to 20% in the latter half of summer and early autumn. The diurnal variation of low clouds and ceilings in this region shows the maritime influence of the nearby sea, with the greatest frequency of low cloudiness and ceilings at night and the least during the day.

b. VISIBILITY — The graphical illustrations in FIGURES 21 and 22, and the tables in FIGURES 44 through 46, indicate that visibility varies considerably from place to place in Yugoslavia. At most locations, however, it is poorest in October through March and best in April through September. The principal causes of low visibility in late autumn and winter are fog (FIGURE 47) and snow. Conversely, these restrictions are at a minimum in the latter half of spring, summer, and early autumn. The diurnal variation of visibility is fairly consistent at most places in the Area. Lowest visibilities are recorded during the early morning. Toward midday visibility improves, and by afternoon it is good at most locations, except in late autumn and winter in those enclosed basins with appreciable industrial contamination. Of the three regions, visibility is worst in

NOTE: Air-ground operations are defined as those operations taking place within the friction layer above the earth's surface or those primarily influenced by the meteorological conditions existing within that layer. The meteorological elements discussed in this Subsection are those which are of primary importance to such operations as parachute drops, chemical and biological warfare, tactical support, low-level reconnaissance, and air rescue. The success or failure of many of these operations may also depend to a large degree upon the behavior of elements above the friction layer or near the surface. A detailed discussion of such elements may be found in Subsections B, 1 and B, 3.

the Interior Highlands, especially at locations, such as Ljubljana Airport, where there is considerable industrial activity. At these locations, low visibilities are common daily throughout the year, except during afternoon hours. Restrictions are most frequent in autumn and winter when stable layers of air often prevent ventilation of enclosed basins. The Northern Plains experiences slightly better visibilities than does the Interior Highlands Region, but restricted morning visibilities are still common in late autumn and winter. The Coast and Islands Region has the best visibility of the Area, since fog and snow rarely occur. Most stations record visibilities less than 2½ miles on fewer than 10% of the observations at any hour.

c. Combined ceiling and visibility — Many low-level operations are greatly affected by combinations of ceiling and visibility conditions. One such combination often used in air-ground operations requires ceilings of 1,000 feet or more combined with visibilities of 2½ miles or more. These conditions are found most often in April through September, with best conditions usually in summer. Conversely, they are found least often in October through March, with worst conditions in winter. However, the occurrence of this combination varies markedly from place to place over the Area, depending a great deal on location, exposure, and time of day (Figures 23, 24, and 48). At all locations in Yugoslavia the frequency of ceilings 1,000 feet or more with visibility 2½ miles or more is greatest in the afternoon hours and least at night and early morning hours. In general, combined ceiling and visibility conditions are worst over the Interior Highlands, particularly in the enclosed basins, slightly better in the Northern Plains, and best over the Coast and Islands. In April through September over the Interior Highlands the frequency of ceilings 1,000 feet or more and visibility 2½ miles or greater averages 85% to 100% at most locations, except at Ljubljana Airport which averages 25% to 70% in the early morning and 95% to 100% in the afternoon. In the period October through March, because of increases in low cloudiness and more restrictions to visibility, the frequency decreases to as low as 35% at some locations. Conditions are slightly better in the Northern Plains, where frequencies of 80% to 100% are recorded in April through September and 45% to 99% in October through March. In the Coast and Islands Region, ceilings of 1,000 feet or more with visibility 2½ miles or more are frequent throughout the year, averaging 95% to 100% in April through September and 85% to 100% in October through March. The frequencies of several combinations of ceiling lower than 1,000 feet with visibility less than 2½ miles can be derived from Figure 48.

The feasibility of air-ground operations such as high-level visual bombing and aerial photography is dependent on certain cloud and visibility combinations. The mean number of days at specified hours of one such combination, 2-eighths or less cloud cover with visibility 2½ miles or more, is given in Figure 49. Conditions in general are least likely to be favorable in November through February and most likely to be favorable in July through September. Total cloud cover of 2-eighths or less with visibility of at least 2½ miles occurs more often at night than during daylight at most locations.

d. Surface winds — The surface wind roses in Figures 25 through 28 emphasize that surface winds are light and variable over most of Yugoslavia throughout the year and that, much of the time, they are calm, especially at sheltered interior locations.

The Northern Plains Region is the southern extension of the extensive plains of Hungary, which are almost completely surrounded by high mountains. The mountains provide a sheltering influence from outside effects on the circulation. As a result, the surface flow in the Northern Plains is weak and from varying directions. Some directions occur slightly more frequently than others, but there is no definite prevailing direction for the whole region during any season. The most frequently reported wind condition is calm. This absence of wind occurs on 10% to 35% of the observations during all seasons and slightly more often in autumn. Wind speeds are seldom strong; 95% to 100% of the reported winds in all seasons are less than 17 knots. Gale-force (28 knots or greater) winds are rare in this region, occurring on 1% or less of the observations.

The rugged topography of Yugoslavia produces a variable complicated surface wind pattern in the Interior Highlands Region. For the most part, surface winds are channeled along valleys or nearby ridges, or the sheltering influence of mountains surrounding enclosed valleys and basins results in calm conditions. In these valleys and basins surface winds are calm much of the time, with sheltered locations reporting calm winds on 65% to 75% of the observations in winter and autumn and 40% to 70% in spring and summer. Wind speeds of 17 knots or more are infrequent at elevations below 2,000 feet, occurring less than 5% of the time. Data are not available for elevations above 2,000 feet; however, upper-air winds indicate that gale-force or higher winds would be quite common along ridges and in high mountain passes. At low elevations gale-force winds occur on 2% or less of the observations.

The narrow Coast and Islands Region is the only part of the Area that has definite prevailing surface wind directions (Figures 25 through 28). Nevertheless, there is still considerable variation. At most locations the prevailing wind is from northeast through southeast in all seasons, but northeasterly winds prevail in winter as a result of the bora. Northwest winds are quite frequent also at the more exposed locations. Because of the frequent passage of lows in the Adriatic and the occurrences of the bora, the Coast and Islands Region experiences the strongest winds of the Area. Here surface wind speeds greater than 17 knots occur as much as 15% to 25% of the time at exposed locations, with the strongest winds reported in winter. Gale-force winds are also frequent; at exposed locations in the Coast and Islands Region, gale winds (28 knots or more) are reported on as many as 6% of the observations, with the

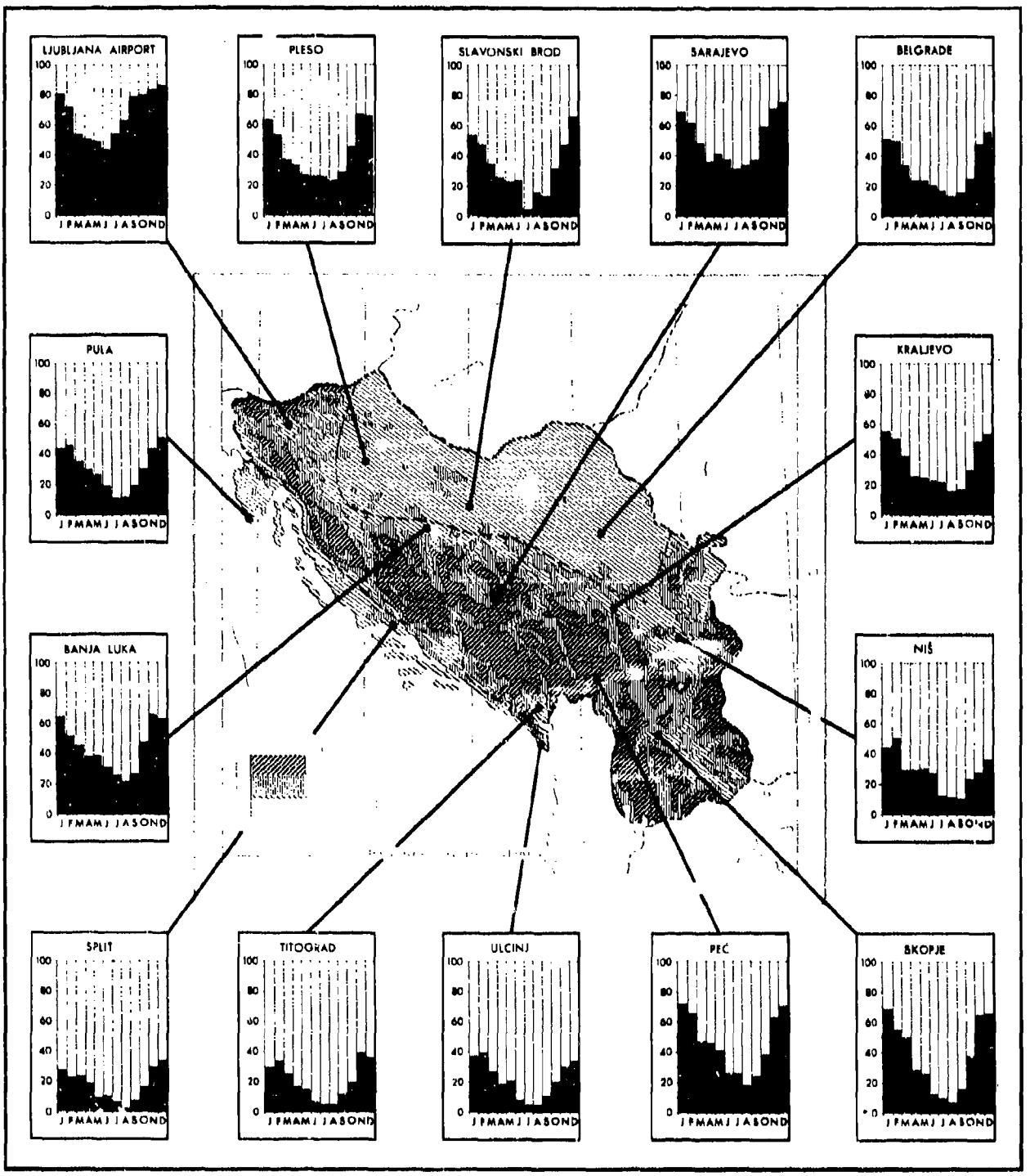

FIGURE 19. PERCENTAGE FREQUENCY OF CEILING HEIGHT ≥4,020 FEET AT 0700 LST. (For tabular data see FIGURE 40.)

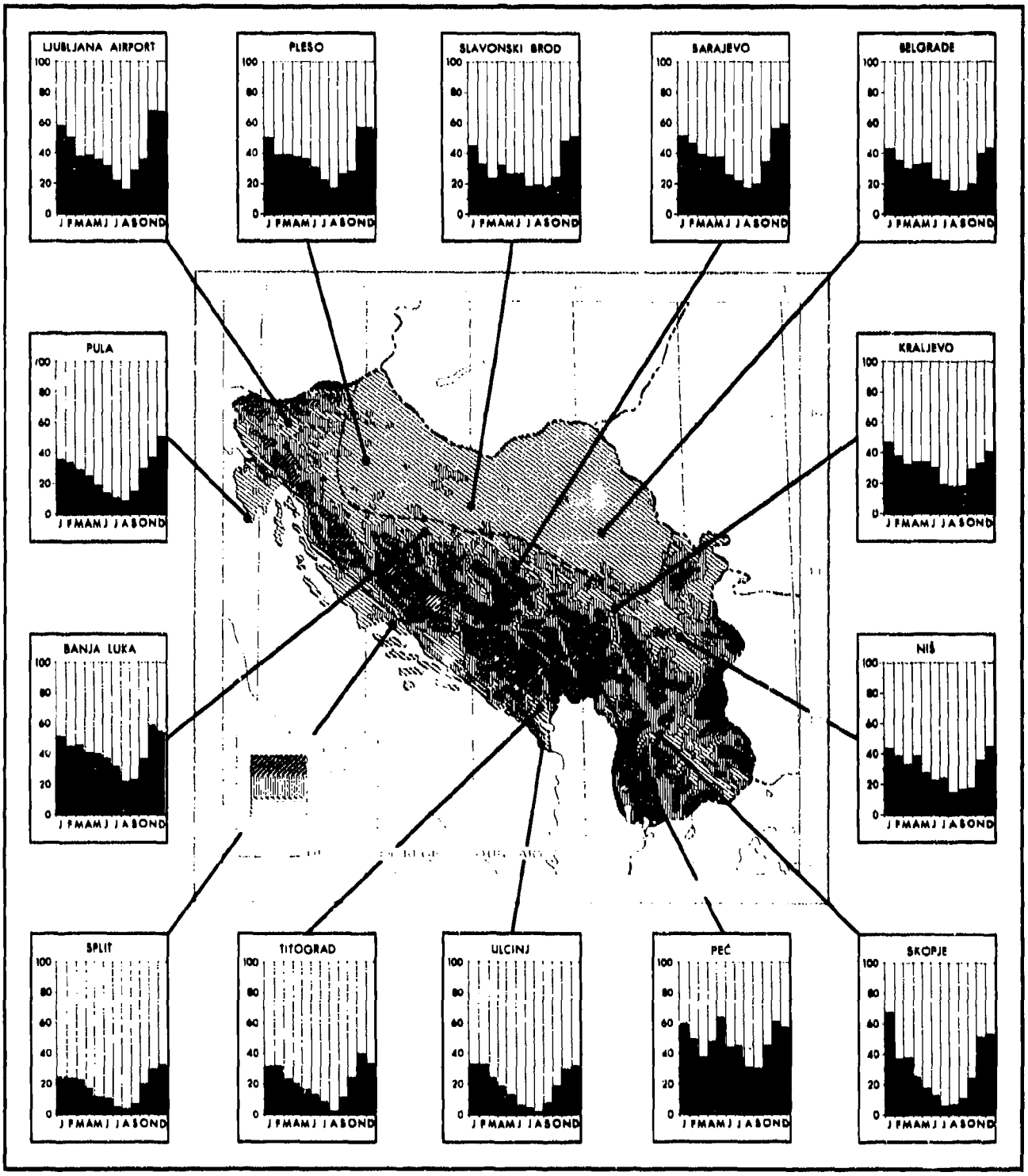

FIGURE 20. PERCENTAGE FREQUENCY OF CEILING HEIGHT ≧4,920 FEET AT 1300 LST. (For tabular data see FIGURE 40.)

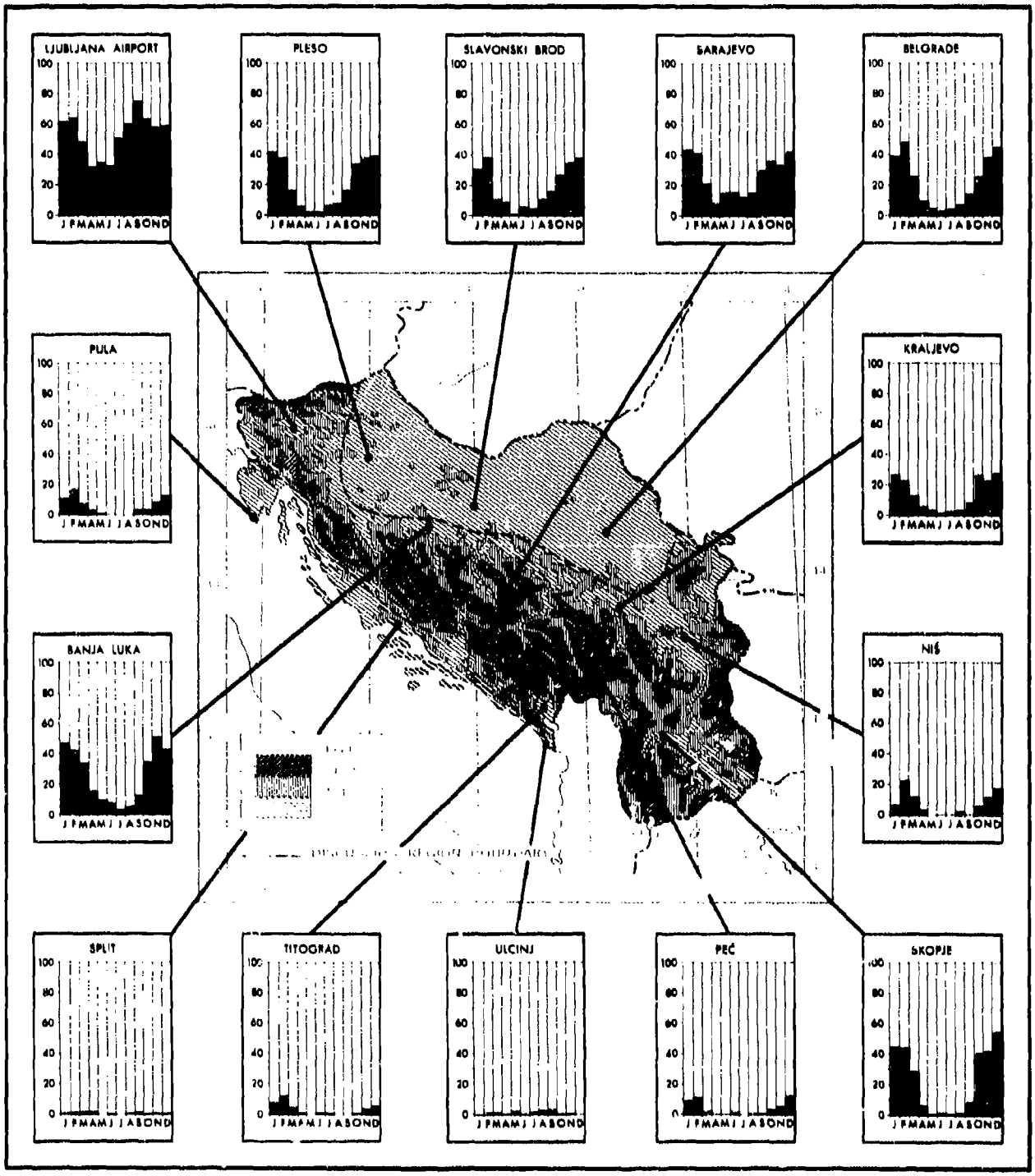

FIGURE 21. PERCENTAGE FREQUENCY OF VISIBILITY <2½ MILES AT 0700 LST. (For tabular data see FIGURE 45.)

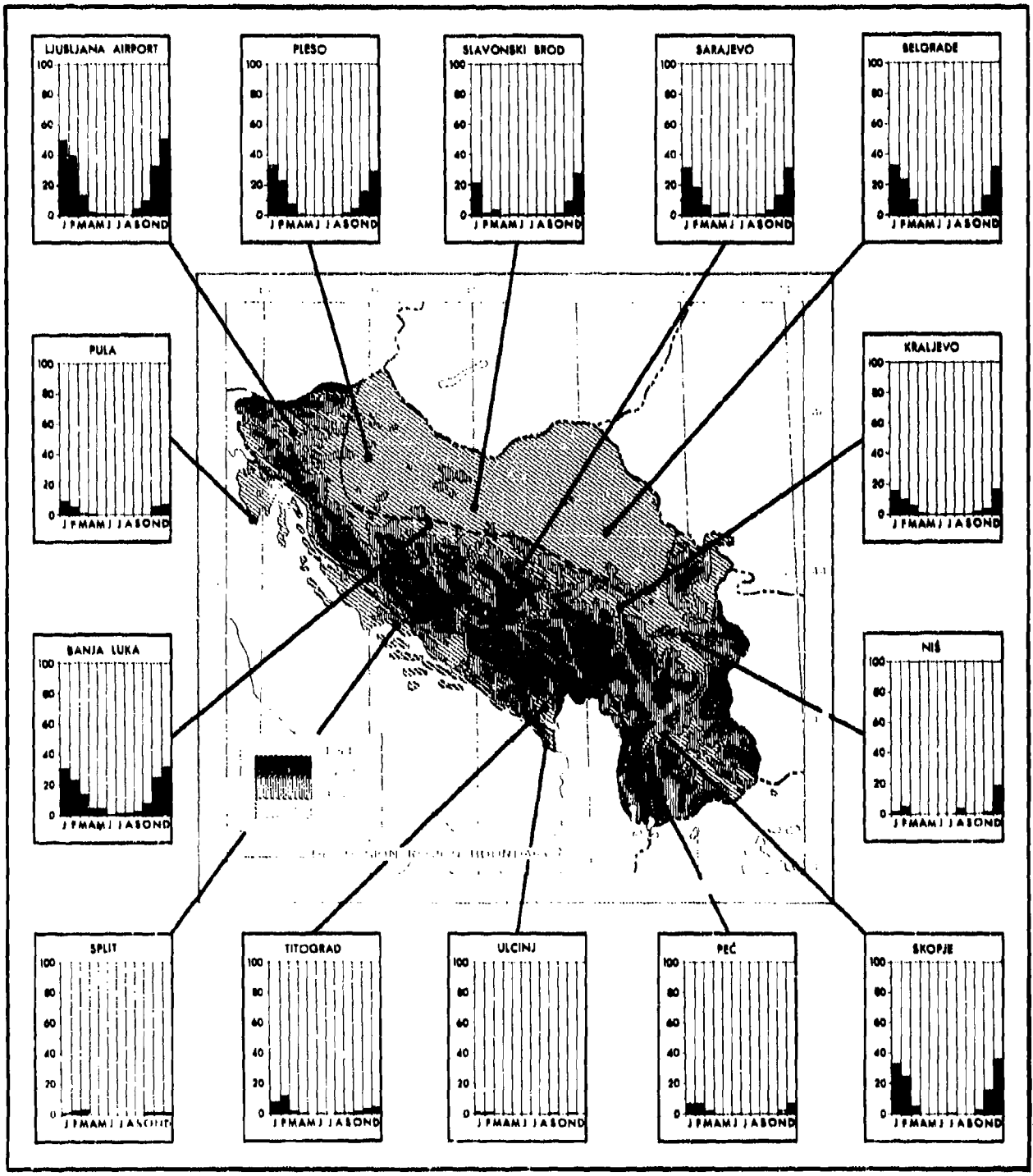

FIGURE 22. PERCENTAGE FREQUENCY OF VISIBILITY <2½ MILES AT 1300 LST. (For tabular data see FIGURE 45.)

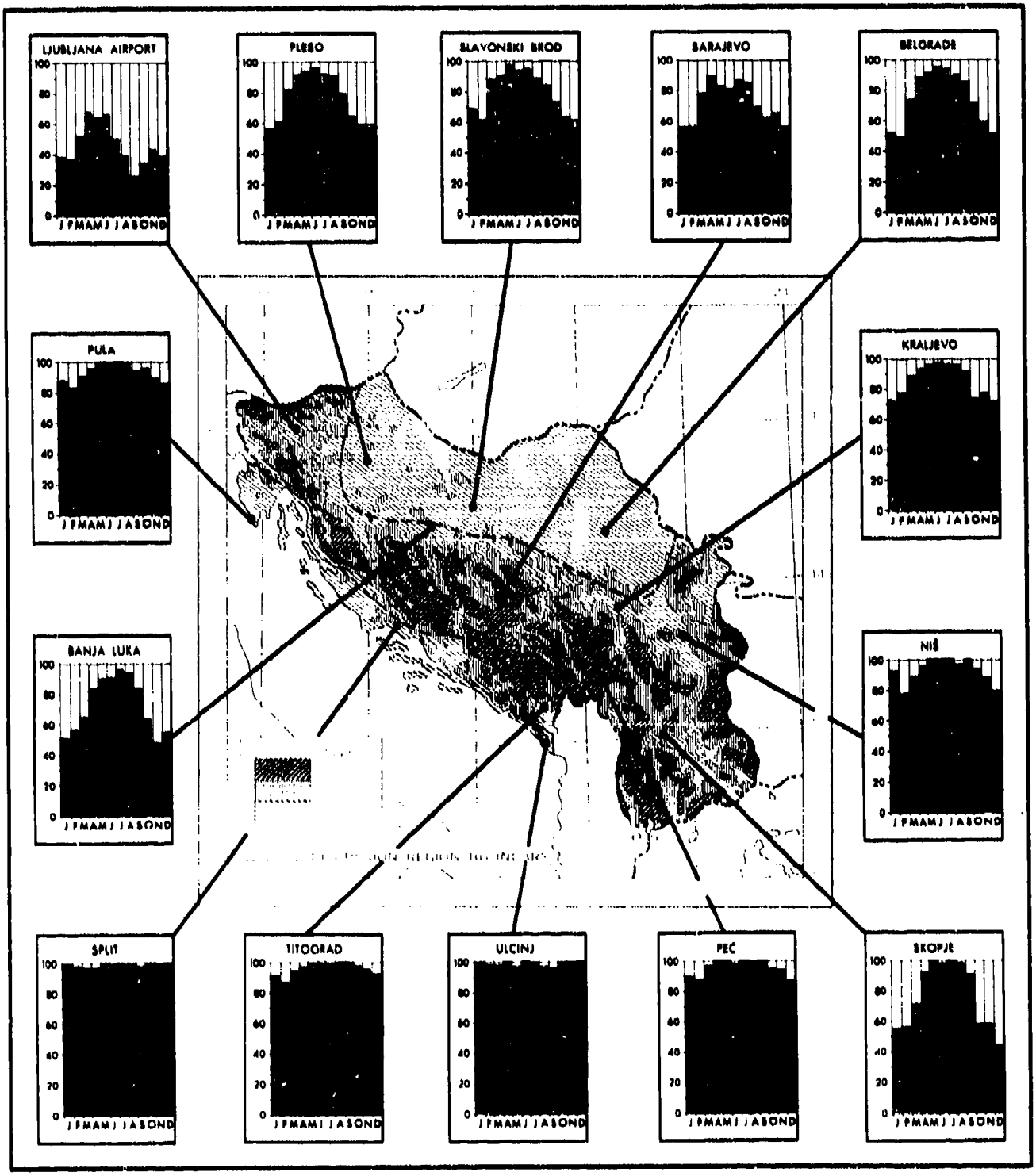

FIGURE 23. PERCENTAGE FREQUENCY OF CEILING ≤984 FEET WITH VISIBILITY ≤2½ MILES AT 0700 LST. (For tabular data see FIGURE 48.)

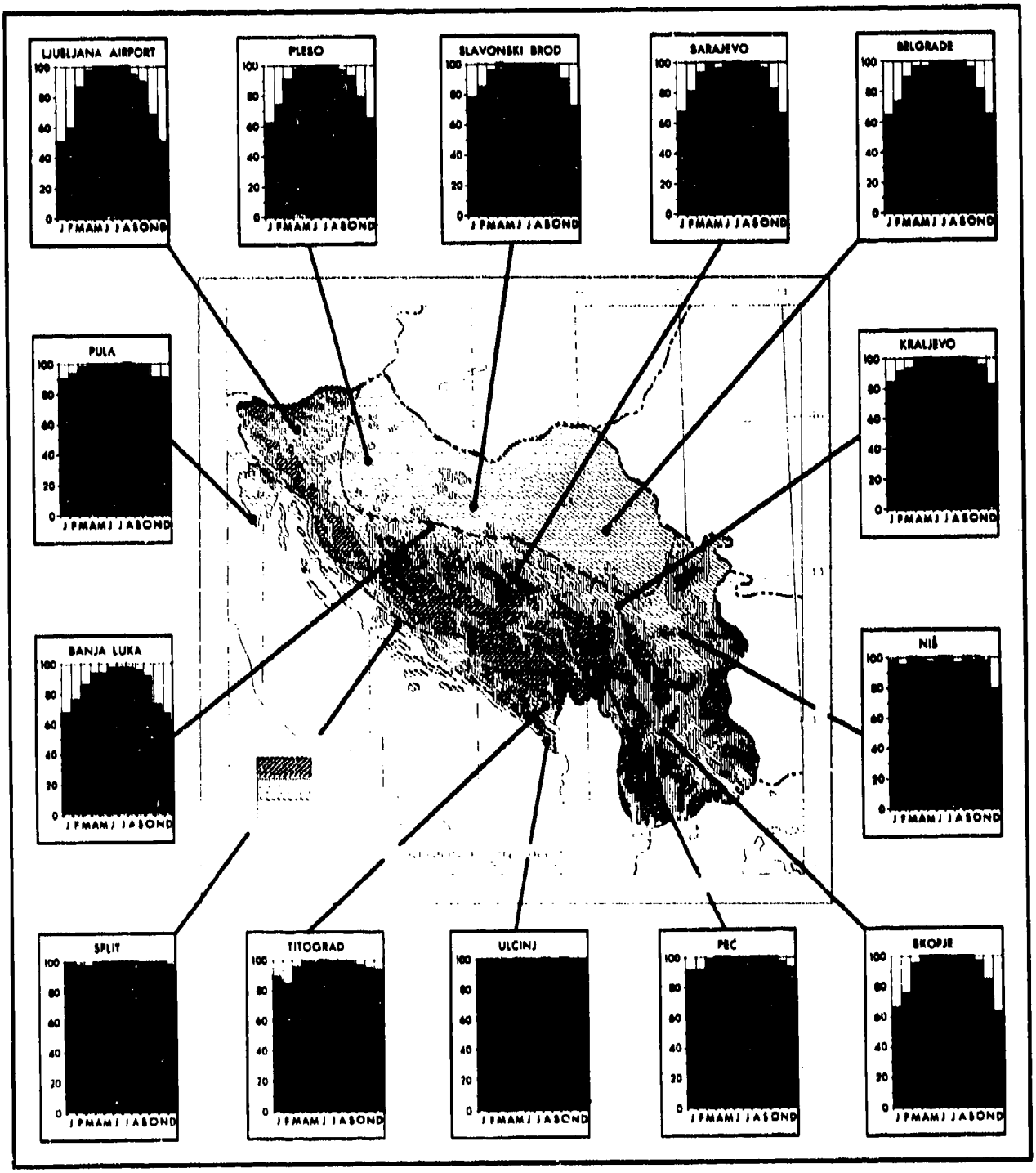

FIGURE 24. PERCENTAGE FREQUENCY OF CEILING ≤984 FEET WITH VISIBILITY ≤2½ MILES AT 1300 LST. (For tabular data see FIGURE 48.)

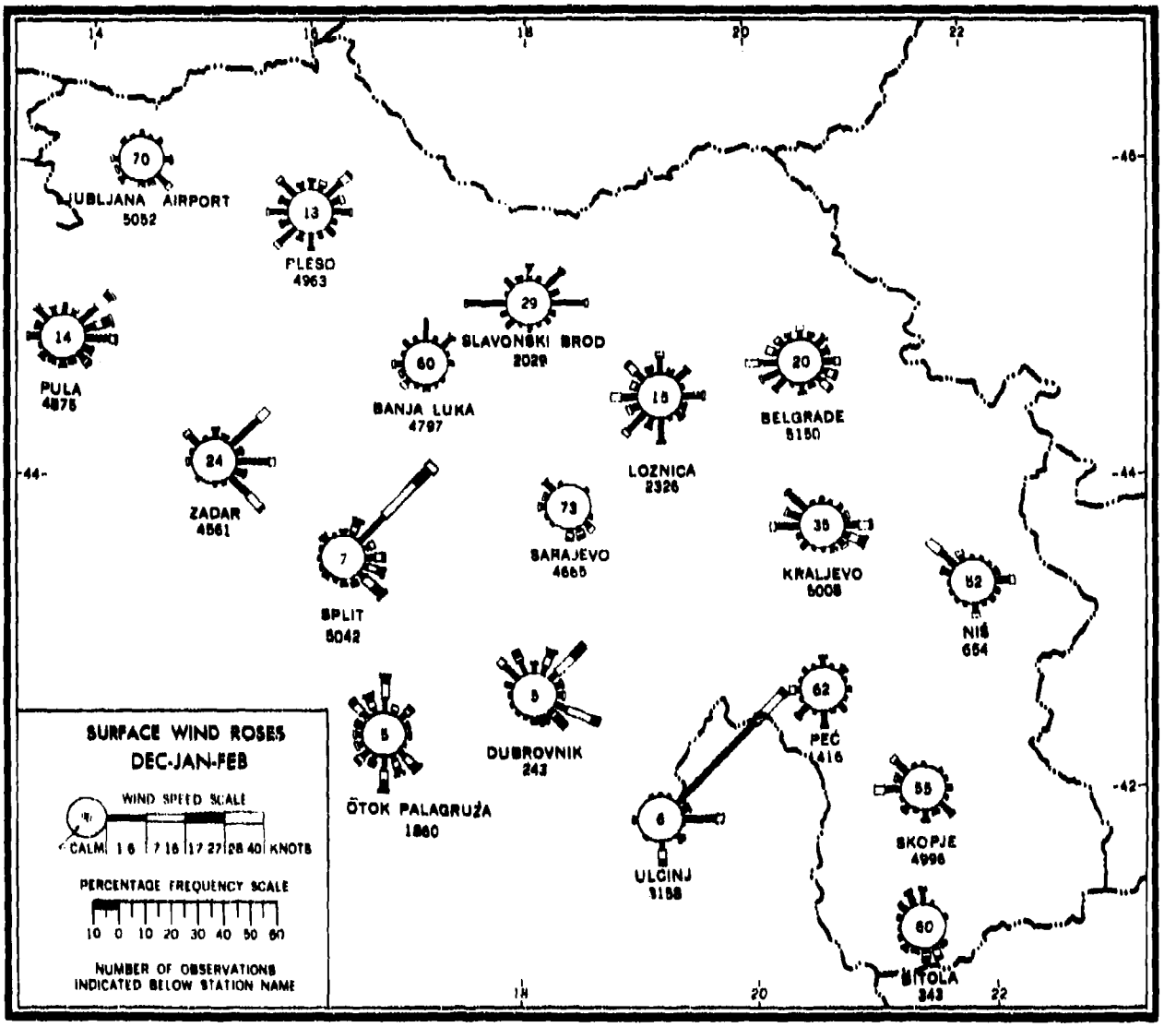

FIGURE 25. SURFACE WIND ROSES, DECEMBER–FEBRUARY

greatest frequency recorded in winter and least in summer. Calm winds, although less frequent than in the other two regions, are common. They are recorded most often in summer when the passage of lows is infrequent.

Several types of local winds influence parts of this Area. The *bora*, the *sirocco*, and the *kossava* are discussed in Subsection A, 3. In addition to these winds, the coast of Yugoslavia favors the development of land and sea breezes during the summer half year, when the difference in land and water temperatures is greatest. These winds occur in the winter half year also, but they are less frequent and weaker than those of summer. The land breeze normally begins about sunset and lasts until after sunrise. The sea breeze usually starts before noon and lasts until sundown. The sea breeze is the stronger of the two and sometimes reaches speeds up to about 21 knots. Mountain winds (downslope winds resulting from nighttime cold air drainage into a valley) and valley winds (upslope winds resulting from daytime heating of the valley floor) are common in the mountainous parts of Yugoslavia. These winds are normally light and occur mainly in summer.

Certain types of military operations, such as the movement and dispersal of chemical agents, incendiary bombing, and various parachute operations are all dependent on combinations of surface winds and various other meteorological elements. Some combinations often used for such operations are given in FIGURES 50 through 52 for selected stations in this NIS Area.

c. STABILITY AND LOW-LEVEL TEMPERATURE INVERSIONS — Many military operations may be affected by the presence or absence of low-level temperature inversions. The lower layers of the atmosphere in Yugoslavia are most stable, and thus favorable for inversion formation, in winter on cold, calm nights and in summer during the latter part of the night, whenever conditions are clear

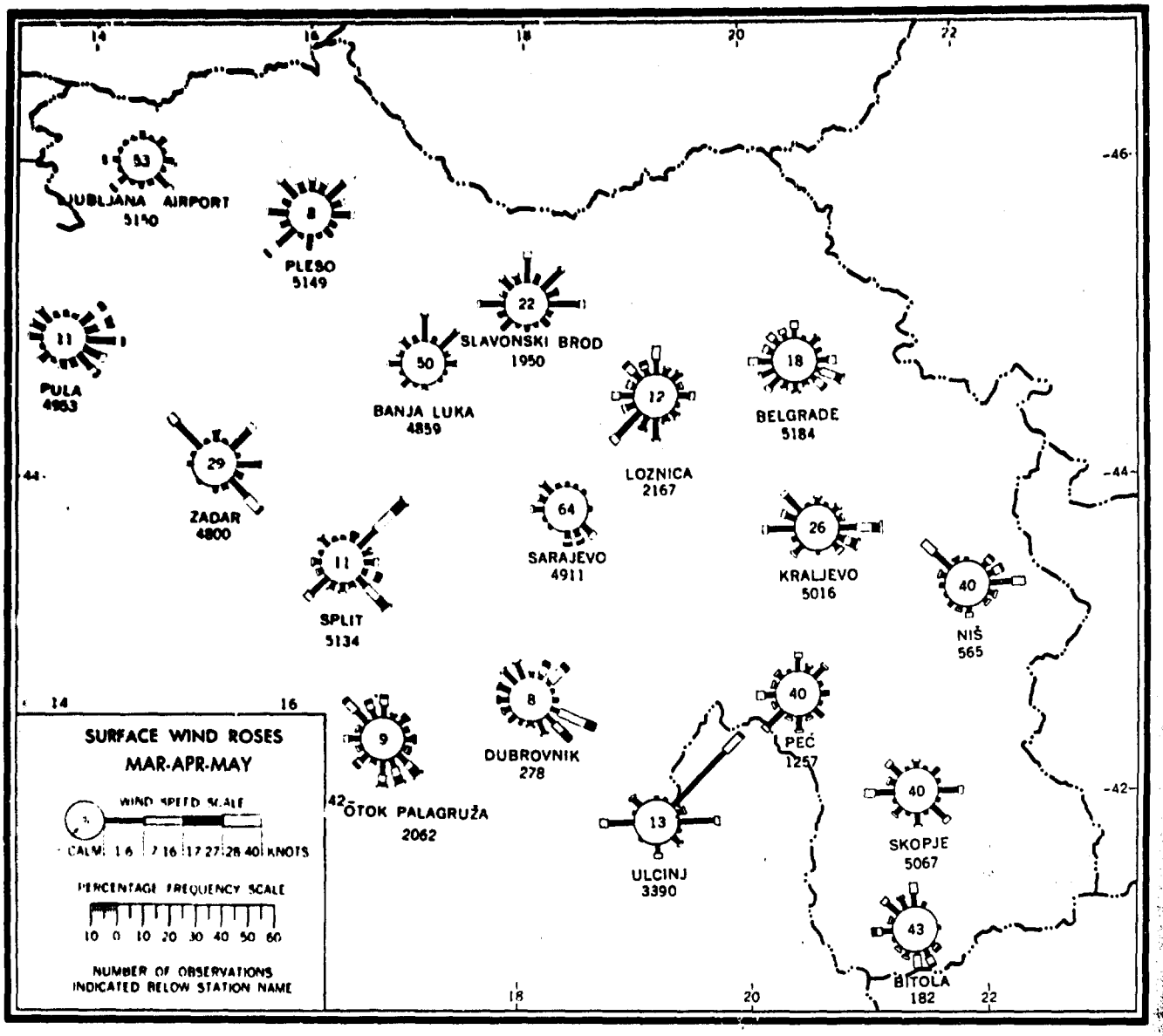

FIGURE 26. SURFACE WIND ROSES, MARCH–MAY

and calm. In winter, the landmass is often colder than the air, and cooling of the lower layers of air frequently produces stable conditions. The most frequent stable conditions during winter take place when a cold high moves slowly across or stagnates over the Area. These highs have cold air and calm winds in the lower layers and warmer air above, producing widespread low-level temperature inversions. The inversions often last for several days under ideal conditions over the Northern Plains, and even longer in sheltered basins in the Interior Highlands. The passage of a low or frontal system will usually destroy them. Stable conditions occur frequently in summer also, but they normally last only a few hours. During the latter part of the night in summer, the lower layer of the atmosphere cools by radiation from the ground and an inversion forms. The inversion is usually short-lived, however, because shortly after sunrise the ground surface warms and the air becomes unstable. Instability is greatest on summer afternoons, when convective heating keeps the lower layers of the atmosphere in motion.

3. Ground surface operations

a. TEMPERATURE — Yugoslavia has a considerable range of temperature conditions. Mild winters prevail in the Coast and Islands Region, but winters are very cold in the Northern Plains Region and in much of

NOTE Ground surface operations are defined as those operations taking place primarily at or very near the earth's surface. The meteorological elements discussed in this Subsection are those which are of primary importance to such operations as movement of troops and vehicles, selection of clothing and equipment, storage of supplies and maintenance of armament and equipment. Some meteorological elements which may also have an effect upon this type of operations are discussed in Subsections B, 1 and B, 2.

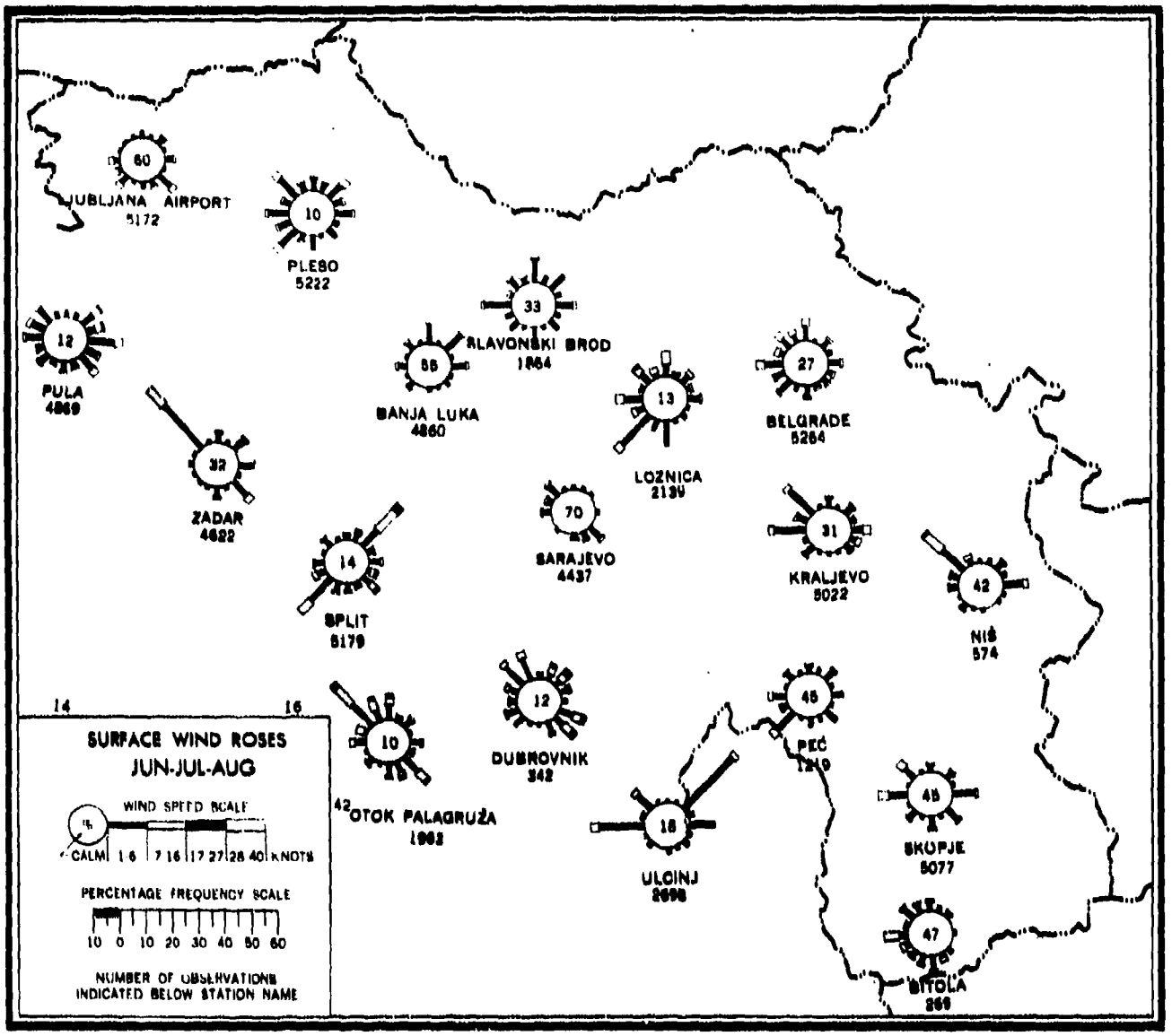

FIGURE 27. SURFACE WIND ROSES, JUNE–AUGUST

the Interior Highlands. January is usually the coldest month in all the regions. Summers range from warm to hot at most locations; however, temperatures in the mountains above 3,000 feet are quite cool. July is normally the hottest summer month throughout Yugoslavia. Spring and autumn are transition seasons between summer and winter, with temperatures rising steadily as the spring months pass and becoming colder with each passing month in autumn. Important influences on temperatures in this Area are latitude, elevation, exposure, and distance from the sea. In general, temperatures at similar exposures decrease fairly regularly from south to north. As in all mountainous sections, an increase in elevation causes a decrease in temperature; therefore, the cooler temperatures normally occur at higher elevations. However, other factors such as exposure are significant in Yugoslavia. For example, in enclosed mountain basins and valleys cold air often becomes trapped and grows colder by radiation, so that temperatures are quite often as cold or colder than at nearby higher elevations. Distance from the sea also influences temperatures, since the moderating maritime effects decrease with distance from the sea.

The variations of the mean daily maximum and minimum temperatures and the absolute maximum and minimum temperatures in the three discussion regions of Yugoslavia are shown graphically in FIGURE 29 and by tabular data in FIGURES 53 through 56. Other tabulations of temperature data giving the mean number of days with maximums of 86° F. or greater and with minimums 32° F. or less are shown in FIGURES 57 and 58.

The generally level terrain of the Northern Plains Region helps to produce a uniform temperature pattern over this region. Mean daily maximum temperatures are mostly in the 75° F. to 85° F. range in summer,

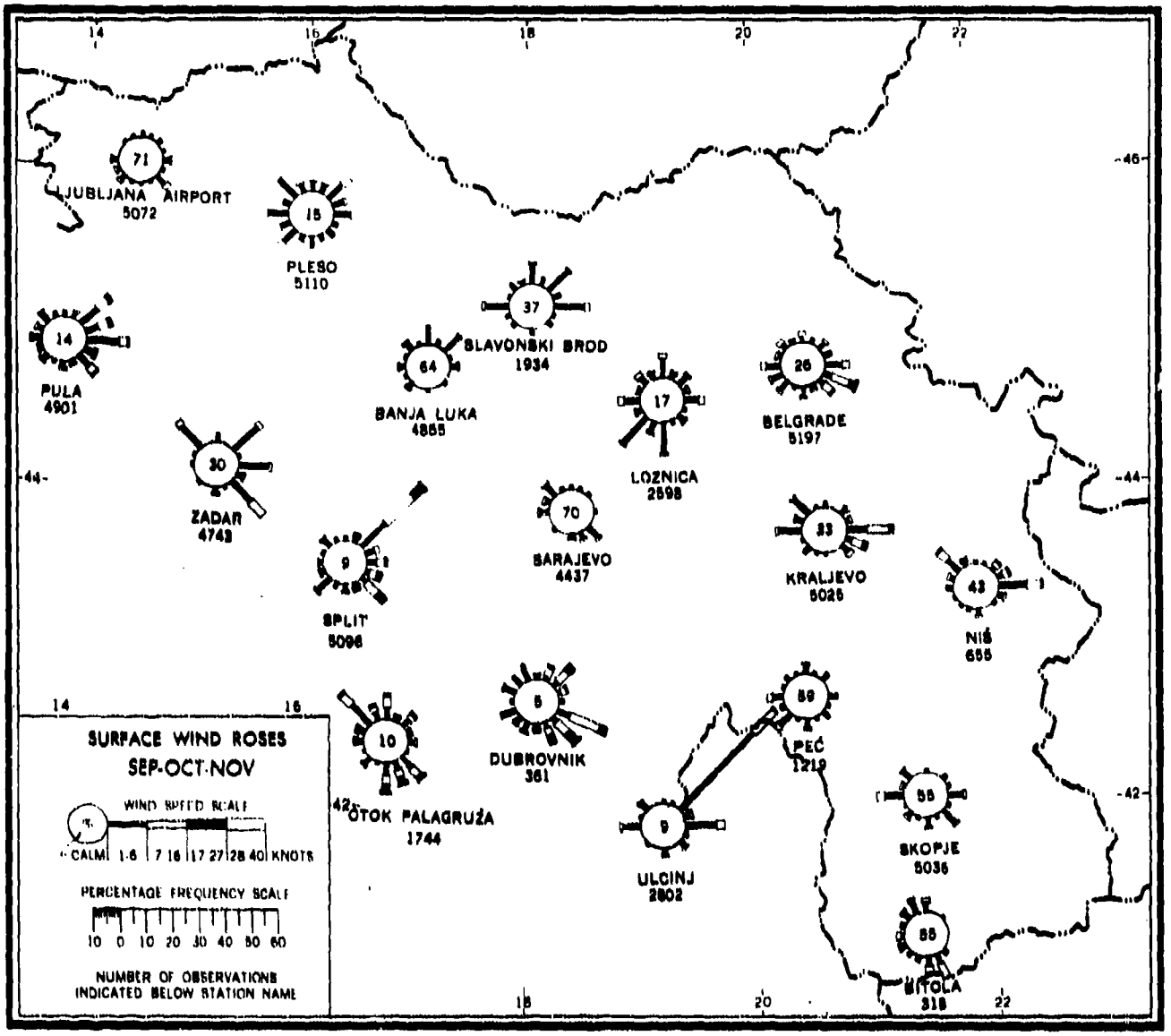

FIGURE 28. SURFACE WIND ROSES, SEPTEMBER–NOVEMBER

dropping to 35° F. to 45° F. in winter. Mean daily minimums from the mid 20's to the low 30's prevail in winter, but they rise to the mid 50's and low 60's in summer. Absolute maximum temperatures as high as 107° F. and absolute minimums as low as −23° F. have been recorded in this region. The range between the mean daily maximum and minimum temperatures is 10 to 15 Fahrenheit degrees in winter and 20 to 30 Fahrenheit degrees in summer. A few days with maximum temperatures of 86° F. or greater (FIGURE 57) are recorded in spring and late autumn, but in summer these warm temperatures are reported on an average of 5 to 15 days a month at most places. The mean number of days with minimum temperatures at or below freezing emphasizes the rather cold winters in the Northern Plains (FIGURE 58). Days with minimums of 32° F. or less average 10 to 25 a month in December through March, with January having the greatest number. They decrease to less than 5 a month in April, almost none in summer, and 4 to 8 per month in late autumn.

The Interior Highlands Region with its rugged terrain and differences in elevation and exposure experiences considerable variation in temperature from place to place. For example, mean daily maximum temperatures in summer at elevations below 3,000 feet are commonly in the 70's to low 90's, but above 3,000 feet they are much cooler, ranging from the 40's to the mid 70's, depending on elevation. Mean daily minimums in summer are somewhat more uniform, ranging in the 40's to mid 60's. Winter mean daily maximums are in the low 30's to mid 40's below 3,000 feet and in the 20's to low 30's above 3,000 feet. The mean daily minimum temperatures of winter are more complex, partly because of cold air becoming trapped in enclosed basins and valleys; averages range from the midteens to the mid 30's, with some of the colder temperature regimes

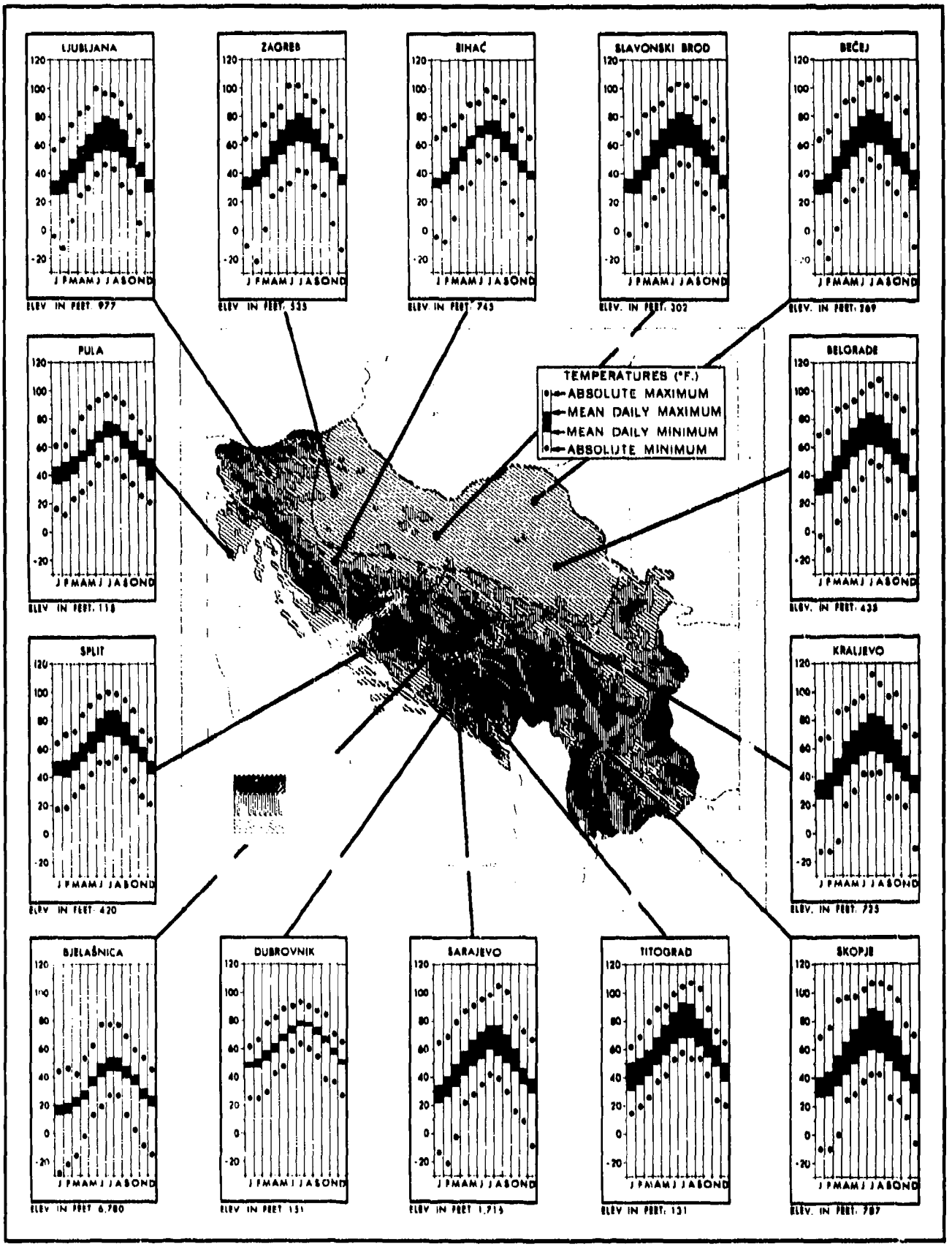

FIGURE 29. TEMPERATURES (° F.). (For tabular data see FIGURES 53 through 56.)

occurring at both high and low elevations. The range between the mean daily maximum and minimum is about 5 to 20 Fahrenheit degrees in winter and 10 to 30 in summer, with the highest locations recording the least range. Absolute maximum and minimum temperatures also vary greatly with extreme maximums up to 112° F. and extreme minimums as low as −28° F. having been recorded. Days with maximum temperatures of 86° F. or greater vary widely over the region; they occur frequently in summer, but never in winter. Winters are cold in the Interior Highlands, as indicated by the mean number of days with minimums of 32° F. or less. Days this cold number 15 to 31 per month in winter, but in summer they are recorded only at the highest elevations.

The Coast and Islands Region has the mildest temperatures in Yugoslavia because of the influence of the nearby Adriatic Sea. Here, mean daily maximums range from the low 70's to the low 80's in summer and from the mid 40's to the mid 50's in winter. Mean daily minimums in the 60's to mid 70's are common in summer, dropping to the mid 30's to low 50's in winter. Absolute maximum temperatures in summer are mostly in the 90° F. to 108° F. range and absolute minimums in winter are in the teens to mid 20's except in the north, where −1° F. has been recorded at Senj. The range between the mean daily maximum and minimum varies considerably in the Coast and Islands Region. At locations somewhat isolated from the moderating effects of the sea the range is 10 to 20 Fahrenheit degrees in winter and 20 to 25 in summer. In contrast, exposed spots have a 5 to 10 Fahrenheit degree range in winter and only 5 to 15 degrees in summer. Days with maximum temperature of 86° F. or greater average 5 to 15 per month in summer at coastal locations and 15 to 25 days a month at inland spots. The mildness of the Coast and Islands Region is further emphasized by the small number of days with minimum temperatures of 32° F. or less. Island and coastal locations have less than 10 days a year with freezing temperatures, while inland sections have less than 30 days annually.

b. Relative humidity — Mean relative humidity varies over Yugoslavia regionally, seasonally, and diurnally, depending primarily on location, elevation, exposure, and proximity to water bodies. As indicated by the line graphs in Figure 30 and the tabular data in Figure 59, mean relative humidity is highest in the early morning and lowest in the afternoon. The seasonal range in mean relative humidity is least at coastal and island locations and greatest at interior locations. Regionally, mean relative humidity is highest in the Northern Plains and Interior Highlands, where average annual values of 80% to 95% in the morning and 60% to 70% in the afternoon are common. Because of persistent downslope winds, the Coast and Islands Region has the lowest humidity, with annual averages of 60% to 80% in the morning and 50% to 70% in the afternoon.

The Northern Plains and Interior Highlands Regions experience their highest mean relative humidity in autumn and winter, when monthly values are mostly 85% to 95% in the morning and 50% to 80% in the afternoon. Mean relative humidity is lowest in spring and summer, with monthly values mostly 75% to 90% in the morning and 45% to 65% in the afternoon. The diurnal range varies considerably in these two regions, but it is normally least in winter, 5% to 15%, and greatest in summer, 25% to 35%.

The relative humidity pattern is quite different in the Coast and Islands Region. Here the highest values occur in late autumn, winter, and spring, as a result of increased cyclonic activity in these periods along the coast. Lowest relative humidities occur in summer and early autumn, when the prevailing northerly winds produce a downslope or drying airflow over the region. Average relative humidities in late autumn, winter, and spring are 65% to 85% in the morning and 50% to 75% in the afternoon. Relative humidity in summer and early autumn months averages 50% to 80% in the morning and 35% to 70% in the afternoon. The diurnal variations depend on distance from the sea and exposure. At exposed coastal locations the variation is least, with the largest range in late summer or autumn, 5% to 20%, and the smallest range in winter, 2% to 15%. At sheltered inland spots the range is somewhat greater, 15% to 30% in autumn and 10% to 20% in winter.

c. Precipitation — The rugged mountainous terrain that makes up most of Yugoslavia causes considerable variation in the precipitation pattern over the country. For example, mean annual precipitation ranges from 31 inches at Prilep, located in a sheltered valley in the extreme southeast, to over 180 inches at Crkvice, situated on an exposed mountain slope not far from the sea. Most of the moisture-bearing air masses that bring precipitation to the Area move in from a general westerly direction. Therefore, the exposed western mountain slopes receive the greatest amounts of precipitation. Conversely, the eastern slopes of the mountains, the plains, and the basins located within or east of the mountains are sheltered from the moist air masses and receive much less precipitation. On a regional basis, precipitation is greatest along the western slopes of the Interior Highlands that border the southern Coast and Islands Region and over the extreme northwestern part of the Interior Highlands. Least precipitation falls in the eastern part of the Northern Plains and in the protected southeastern part of the Interior Highlands.

The seasonal pattern of precipitation can be separated into three generalized regimes. The Coast and Islands Region has its maximum precipitation in autumn and early winter. This heavier precipitation is closely associated with the greater frequency of migratory lows in autumn and winter. Conversely, precipitation is at a minimum in summer when the frequency of lows is least and the dry northerly flow persists. The Northern Plains Region experiences a continental type of precipitation pattern with least precipitation in winter and greatest in late spring, early summer, and midautumn.

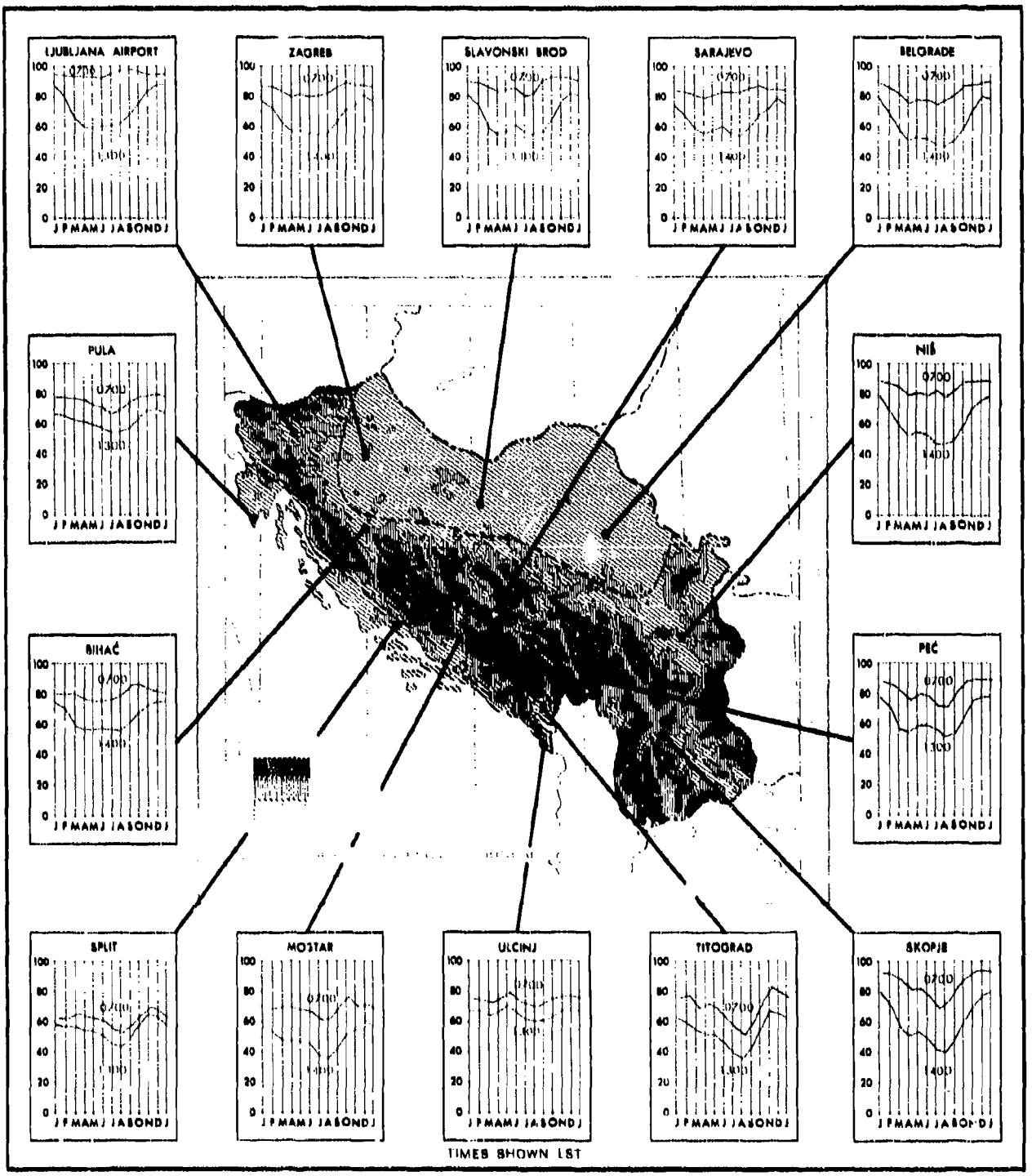

FIGURE 30. MEAN RELATIVE HUMIDITY (%) IN MORNING AND AFTERNOON. (For tabular data see FIGURE 59.)

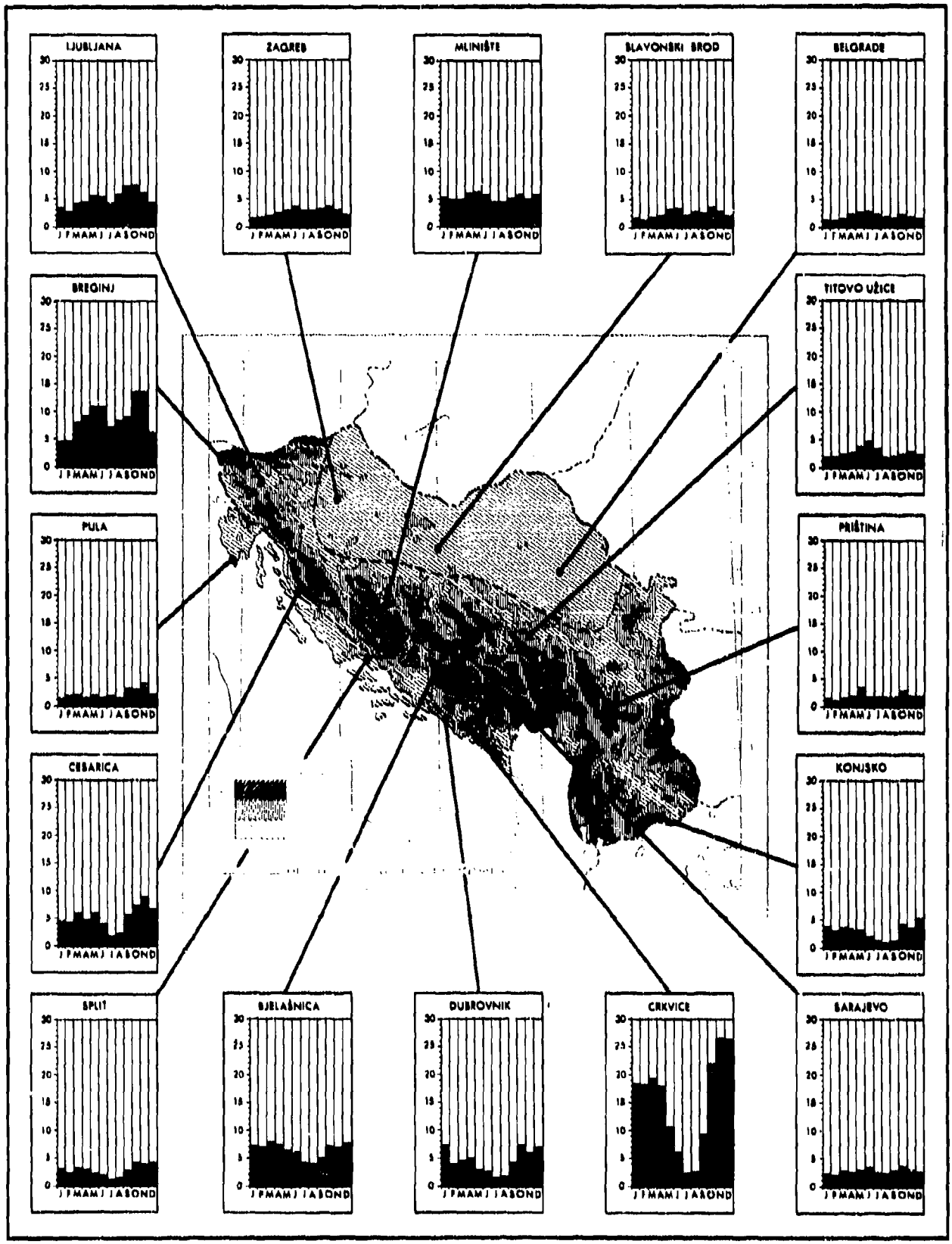

FIGURE 31. MEAN PRECIPITATION (INCHES). (For tabular data see FIGURE 60.)

Even though migratory lows are more frequent in winter, their influence on precipitation over the Northern Plains is greatly diminished by the shielding effects of the mountains to the west and south, and to the fact that the paths of lows follow the Adriatic rather than move across Yugoslavia at this time of year. Therefore, precipitation amounts are light. The heavier amounts of late spring and early summer are directly related to the greater frequency of thunderstorms and rain shower activity during these periods. The midautumn increase results from the passage of lows across the Northern Plains at this time of year. The Interior Highlands Region is a transition zone between these two precipitation regimes and exhibits some of the characteristics of each. These principal variations are brought out graphically in FIGURE 31 and by tabular data in FIGURE 60.

The Northern Plains Region has the least variation in mean precipitation as compared to the other regions. Here, mean annual precipitation ranges from 35 to 40 inches in the west and decreases to about 25 to 30 inches in the east. Mean monthly precipitation is lightest in winter with 1 to 3 inches a month falling. January and February receive the least precipitation of winter. In spring, summer, and autumn, monthly precipitation is mostly 2 to 4 inches, with the heavier amounts occurring in May, June, and October.

The Interior Highlands Region has a complicated precipitation pattern with marked areal and seasonal variations. Both monthly and annual amounts depend a great deal on the degree of exposure to the moist air masses from the west. In general, exposed locations receive more than 50 inches of precipitation annually, while sheltered locations have less than 50 inches. Precipitation is heaviest along that part of the Interior Highlands bordering the Coast and Islands Region and in the extreme northwest. It is particularly abundant over the mountains along the southern coast, and over the mountains along the Italian border. Many locations in these two districts receive over 100 inches of precipitation annually. Precipitation decreases in amount both eastward and northeastward across the region, but the decrease is most pronounced toward the southeast, where the smallest amounts in the Area occur at locations east of 20°E. longitude. Here mean annual precipitation is below 25 inches at protected locations. Seasonally, precipitation is usually greatest in October, November, and December, with average monthly values of 4 to 15 inches at exposed places and 2 to 5 inches at sheltered spots; at very wet locations such as Crkvice and Cetinje, however, mean monthly amounts of 16 to 27 inches are recorded. A secondary maximum shows up at many of the stations in spring and early summer. During this period, monthly averages of 4 to 11 inches at exposed locations and 2 to 5 inches at sheltered spots are common. Again, Crkvice and Cetinje are exceptions with mean monthly amounts of 6 to 20 inches. At exposed locations mean precipitation is at a minimum in July and August, whereas at sheltered places there are two periods of least precipitation, one in January and February and another in July and August. Mean amounts vary considerably.

Over the Coast and Islands Region mean annual precipitation ranges from 25 to 65 inches. In general, the islands and more level parts of the coast receive the least precipitation, with increasing amounts inland, especially where the terrain rises abruptly. Mean monthly precipitation at most locations is greatest in October, November, and December, when monthly amounts of 3 to 9 inches occur. Least precipitation falls in summer, with monthly averages of 1 to 4 inches.

The tabular data in FIGURE 61 show how much the monthly amounts of precipitation can vary from year to year. The values for the greatest amounts of precipitation indicate that amounts several times the mean precipitation may occur during most months in all regions. During some normally dry months the greatest amount of precipitation may exceed the mean to a very great extent; this variation is probably the result of unusually heavy showers occurring on rare occasions. On the other hand, the values for the least amounts of precipitation show that abnormally dry conditions can occur during most months throughout the Area.

The maximum precipitation received in a 24-hour period is given in tabular form in FIGURE 62. From these data it is evident that the heaviest precipitation for one day is most likely during summer or autumn in the Northern Plains, and during autumn in the Interior Highlands and Coast and Islands Regions. The amount of precipitation received in a 24-hour period varies widely from place to place, but the heaviest amounts usually occur at exposed locations in the Interior Highlands Region.

The mean number of days with precipitation of 0.004 inch or more (days with measurable precipitation) generally follows the pattern of mean precipitation; that is, locations with the greatest mean precipitation normally have the most days with precipitation (FIGURES 32 and 63). However, the variation of days with precipitation is much less than the variation in mean precipitation. In general, most locations experience from 80 to 180 days a year with measurable precipitation, with the greatest number occurring at exposed locations and the least at sheltered locations. The average number of days per month varies from 10 to 15 during the wettest periods to 5 to 10 during the driest periods. FIGURE 64 gives the mean number of days with fairly heavy rainfall, considering precipitation amounts of 0.4 inch or more. Such rainfall amounts may occur in any month, but they are most likely during periods of largest mean amounts. Days with 0.4 inch or more precipitation are most frequent in the Interior Highlands Region, averaging from 1 to 10 a month with the greater number occurring at exposed locations and the least number at sheltered places. In the Northern Plains there are 1 to 4 days during most months with at least 0.4 inch of precipitation. The Coast and Islands Region experi-

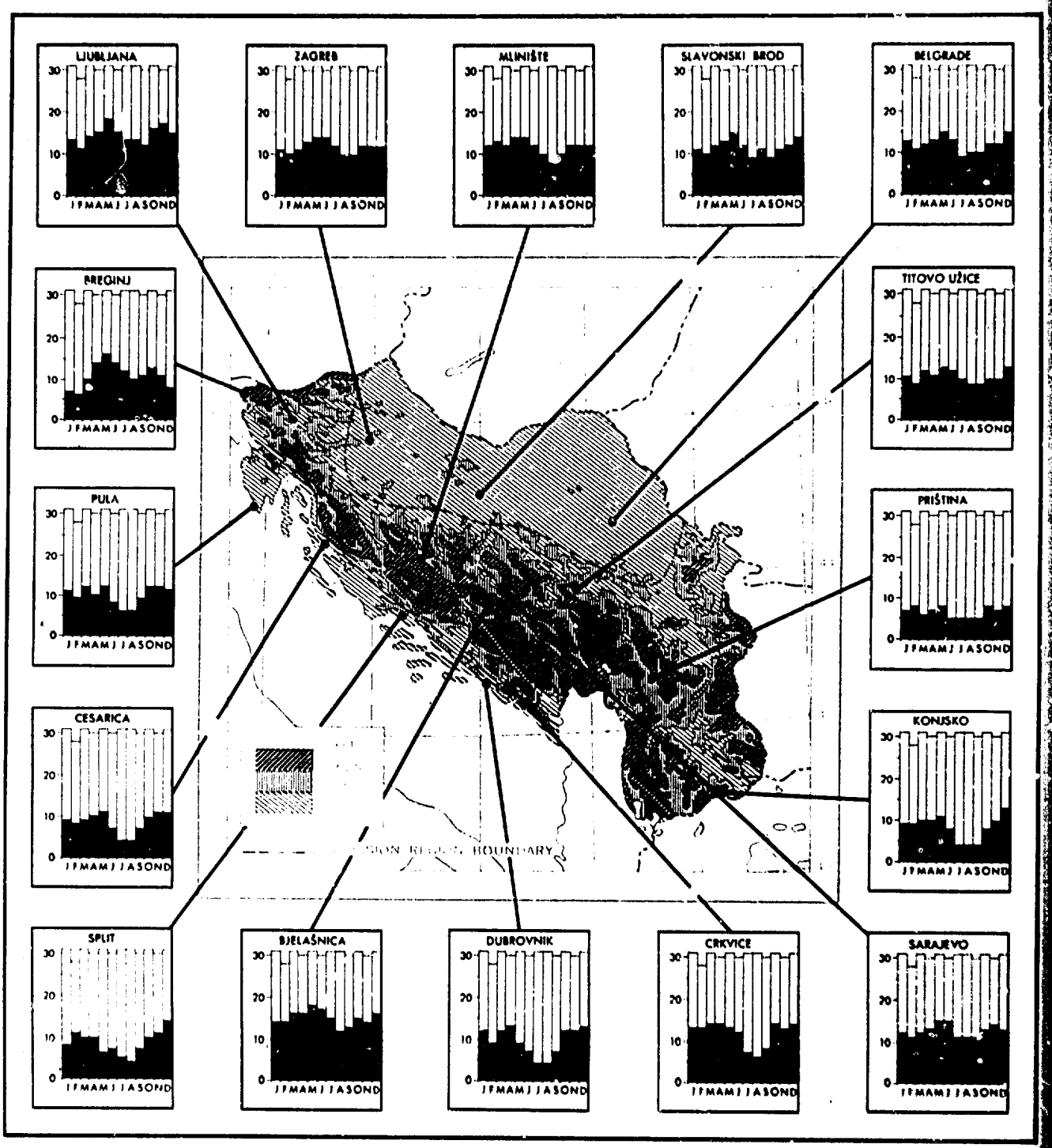

FIGURE 32. MEAN NUMBER OF DAYS WITH PRECIPITATION ≥0.004 INCH. (For tabular data see FIGURE 63.)

ences a few more days with heavy precipitation than the Northern Plains, 0.4 inch or more falling on an average of 1 to 7 days a month.

Precipitation falls quite often as snow over much of Yugoslavia in December through March. It is closely associated with the passage of lows and fronts. Snowfall is also experienced in autumn and late spring in most years but is rare in summer, except at elevations above about 6,500 feet. The mean number of days with snowfall is illustrated graphically in FIGURE 33 and by tabular data in FIGURE 63. The specific dates and mean dates of earliest and latest snowfall at a number of locations are given in FIGURE 66.

In the Northern Plains, snowfall in December through March averages 3 to 9 days a month at most locations, with the greatest number of days in December and January. Days with snowfall are fairly evenly distributed over this region.

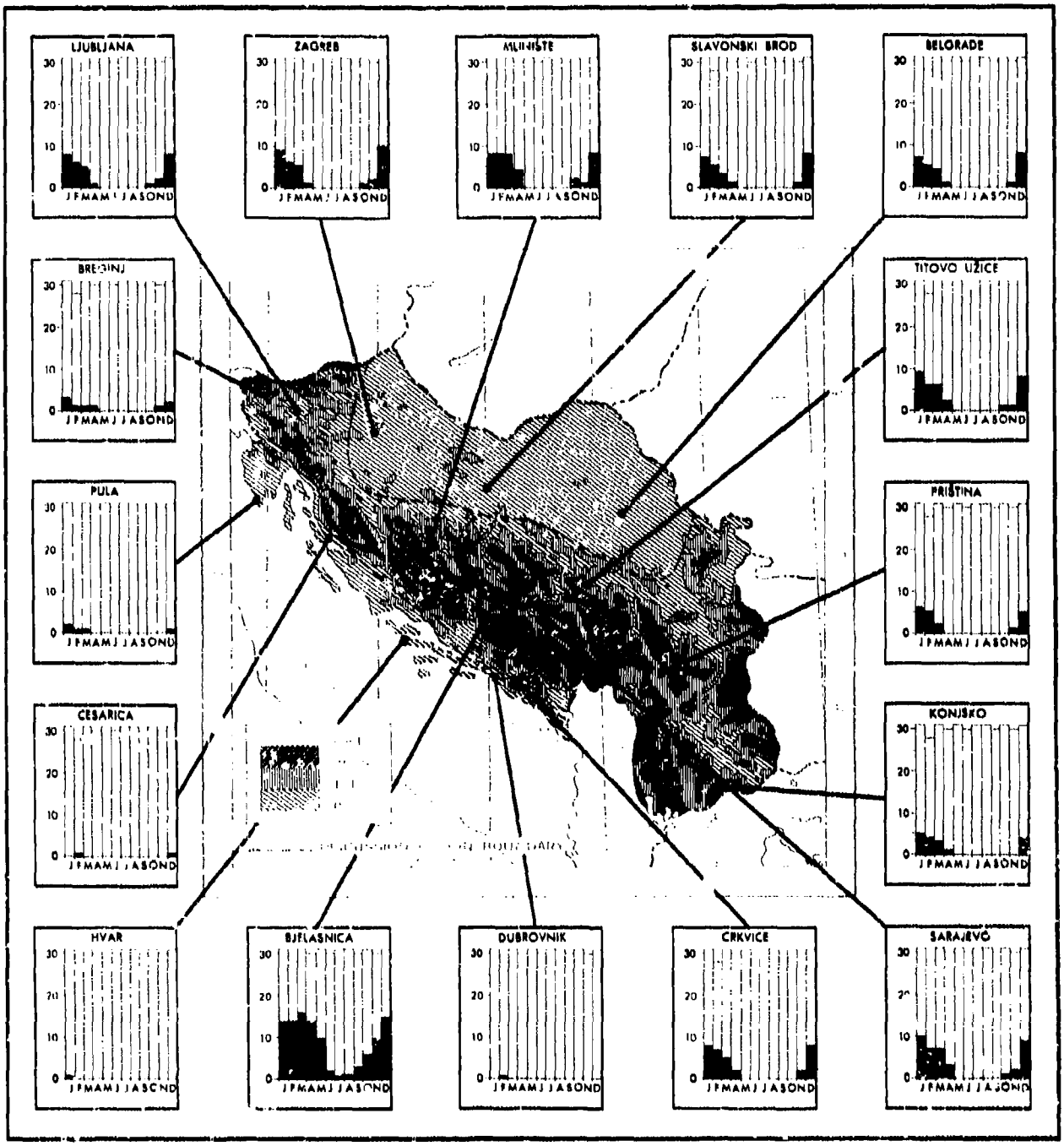

FIGURE 33. MEAN NUMBER OF DAYS WITH SNOWFALL. (For tabular data see FIGURE 66.)

The Interior Highlands has marked variations in the mean number of days with snowfall from place to place, depending on location, exposure, and elevation. In general, at elevations below 4,000 feet the average number of days with snowfall ranges from 1 to 10 days a month in December through March, with frequencies depending on exposure. Above 4,000 feet the frequency of days with snowfall increases to 5 to 15 days in December through April, with the larger number of days experienced at the highest elevations.

The Coast and Islands Region seldom has snowfall, the number of days in winter and early spring averaging 2 or less per month, with the greater frequency in the north and inland. This lack of snow in the Coast and Islands Region is due mainly to the warmer temperatures of this region.

The mean number of days with snow cover (defined as a day with one-half or more of the ground covered by snow) is shown graphically in FIGURE 34 and by tabular data in FIGURE 67. Snow cover varies consid-

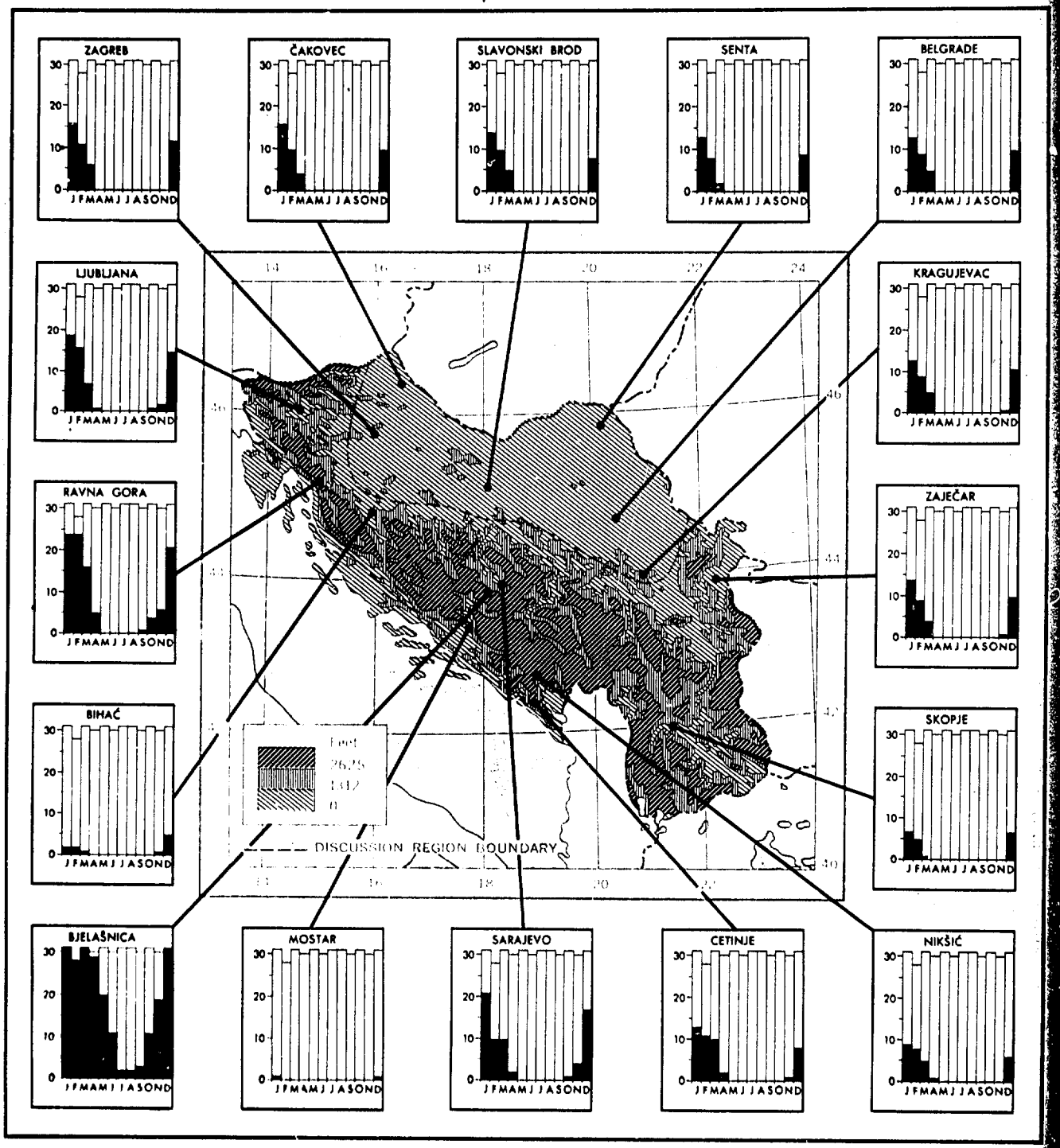

FIGURE 34. MEAN NUMBER OF DAYS WITH SNOW COVER. (For tabular data see FIGURE 67.)

erably over the Area, depending a great deal on elevation, exposure, temperature, and location. In general, snow cover is most frequent and long lasting at high elevations in the Interior Highlands Region; it is very infrequent and lasts only a short time in the Coast and Islands Region.

In the Northern Plains, snow cover may be reported in October through April. October and November normally average 1 day or less a month with snow cover. The average increases to 5 to 12 days a month in December, reaches a maximum of 5 to 16 days a month in January, and decreases to less than 1 day in April.

Snow cover in the Interior Highlands is erratic because of the great variation in elevation and exposure. In general, however, the central mountainous part of this region has the greatest number of days with snow cover and the southeastern district the least. At most places, snow cover may occur in November through April, but at some exposed locations at higher elevations it has been reported at times throughout the year.

In general, the higher central mountains experience 10 to 30 days a month on the average with snow cover in December through March, whereas the southeastern districts average from 1 day or less up to 10 days a month. Most places, except the exposed higher elevations, have 1 day or less with snow cover in April, May, October, and November.

In the Coast and Islands Region the warmer temperatures cause most snow to melt shortly after it falls. Stations in the Coast and Islands Region record 5 days or less with snow cover annually, almost all in winter.

Accurate data on snow depths over the Area are not available. However, descriptive material indicates that over the Northern Plains depths are variable from one year to another. On the average, the deepest snow is present in February and the mean depth for most places is 3 to 4 inches. In exceptional years, as much as 30 inches have been recorded as an average during February, whereas in other years no snow cover has been recorded at all. Snow depths vary over the Interior Highlands, depending on elevation and exposure; however, they would most likely be quite deep in the mountains at times with depths of several feet accumulating. In the Coast and Islands Region, snow rarely reaches depths of over an inch or two.

d. OVERALL EFFECT OF WEATHER ON CLOTHING, STORAGE, AND SHELTER

(1) *Clothing*

(a) MAJOR INFLUENCES — Temperature, varying with the wide range of elevations and with the seasons, is the most important climatic factor affecting clothing requirements for Yugoslavia. Other factors are the heavy precipitation, high humidity, and occasional strong winds during autumn, winter, and spring.

(b) REGIONAL REQUIREMENTS — Clothing requirements for Yugoslavia are given in FIGURE 35. These requirements are expressed in terms of U.S. standard military clothing assemblies that have been prescribed on the basis of mean monthly temperatures, as follows:

CLOTHING ASSEMBLY	MEAN MONTHLY TEMPERATURES
Warm-weather	Above 68° F.
Cool-weather	50° F. to 68° F.
Cold-weather	14° F. to 50° F.
Ultra-cold weather	Below 14° F.

Appropriate U.S. service regulations list the exact nomenclature and the basis for issue of various components of these clothing assemblies. For general planning purposes, however, the clothing assembly components are described in general terms. Also listed are special items which may be necessary because of varying climatic or other environmental factors.

The warm-weather assembly is a cotton outfit (visored cap, shirt, trousers, and underwear). It also includes tropical combat boots and a poncho. A woolen blanket is adequate sleeping equipment for use with this assembly.

The cool-weather clothing assembly supplements the warm-weather clothing assembly with a hooded, water-repellent, wind-resistant coat. Leather combat boots replace the tropical combat boots. Two woolen blankets or a lightweight sleeping bag are adequate sleeping equipment for use with this assembly.

The cold-weather assembly consists of a wool shirt, wool trousers, wool-and-cotton underwear, and insulated rubber boots. A coat liner is added to the coat used with the cool-weather assembly. A cotton field cap or a field cap with wool pile lining is worn, depending on the degree of coldness. Woolen glove inserts or woolen mitten inserts, worn with the appropriate leather shells, are also components of the cold-weather assembly. A mountain-type sleeping bag (down- and feather-filled) with a water-repellent case is adequate sleeping equipment for use with this assembly.

FIGURE 35. CLOTHING REQUIREMENTS

REGION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Northern Plains:												
Below 1,000 feet	D	D	D	C	C	C	W	W	C	C	D	D
1,000 feet to 2,000 feet	D	D	D	C	C	C	W	C	C	C	D	D
Above 2,000 feet	D	D	D	D	C	C	C	C	C	D	D	D
Interior Highlands:												
Below 1,000 feet	D	D	D	C	C	C	W	W	C	C	D	D
1,000 feet to 2,000 feet	D	D	D	C	C	C	W	C	C	C	D	D
2,000 feet to 4,000 feet	D	D	D	D	C	C	C	C	C	C	D	D
4,000 feet to 6,000 feet	D	D	D	D	D	C	C	C	D	D	D	D
6,000 feet to 8,000 feet	D	D	D	D	D	D	D	D	D	D	D	D
Above 8,000 feet	U	U	U	D	D	D	D	D	D	D	D	U
Coast and Islands:												
Below 1,000 feet	D	D	D	C	C	W	W	W	W	C	C	D
1,000 feet to 2,000 feet	D	D	D	C	C	W	W	W	C	C	C	D
2,000 feet to 3,000 feet	D	D	D	C	C	C	W	W	C	C	D	D
Above 3,000 feet	D	D	D	D	C	C	C	C	C	C	D	D

W—warm-weather clothing assembly; C—cool-weather clothing assembly; D—cold-weather clothing assembly; U—Ultra-cold-weather clothing assembly.

The ultra-cold-weather assembly uses the same inner garments as the cold-weather assembly except for the substitution of a trousers liner in lieu of the wool trousers. The outer garments consist of an additional pair of cotton, water-repellent, wind-resistant trousers with a trousers liner, a parka with liner, and arctic-type mittens. Boots with additional insulated layers are substituted for the insulated boots used with the cold-weather assembly. An arctic-type sleeping bag, consisting of two down- and feather-filled bags with a water-repellent case, is substituted for the mountain-type sleeping bag.

(c) EXCEPTIONS AND ADDITIONS FOR INDIVIDUALS IN A PROTECTED ENVIRONMENT — The clothing assemblies described are based on the assumption that the individuals wearing them will be living in the open 24 hours a day. Clothing assemblies for use at permanent installations may be modified to suit a less demanding environment. For example, a raincoat may be more practical than a poncho, and blankets may be used instead of a sleeping bag, or service-type oxfords with overshoes may be more serviceable than the high-cut boots.

(d) SPECIAL REQUIREMENTS — Protection is required against insects, sun glare and sunburn, and poisonous snakes. Insect bars, repellants, headnets, and similar items are required for protection against disease-carrying insects, mainly mosquitos, blood-sucking flies, ticks, and sandflies. Insect bars with a finer mesh than the 18-mesh mosquito bar are desirable for protection against sandflies, which are prevalent in coastal locations. Tinted glasses, sunburn cream, and chapsticks are necessary for protection against sunburn and sun glare in summer and sun glare off snow in winter. Leather combat boots may be more practical than the tropical combat boots prescribed for the warm-weather assembly; they would wear better on the rough ground that covers much of the Area and they would provide better protection from snake bites. Waterproof footwear is desirable during the prolonged period when wet ground conditions prevail, locally, in lowland marshy sections. Extra footwear and clothing would be necessary because of the rapid wear caused by the rugged terrain and thorny vegetation, especially in the Interior Highlands Region, and because of the abundant precipitation and high relative humidity during the autumn, winter, and spring months.

(2) *Storage* — The main factors affecting items stored in the open are temperature, humidity, and precipitation. Such items require maximum air circulation in and between stacks for protection against high temperatures during the summer months. Cover should also be provided to allow for maximum shade. Items most subject to damage by high temperatures, especially subsistence and medical supplies, should be protected by cold storage. In autumn, winter, and spring, protective measures against mildew and fungus are necessary because of the high relative humidity, and measures must be taken to protect items subject to damage by freezing temperatures, heavy rains, and snow, especially in the Northern Plains and Interior Highlands. Protection against occasional strong winds, sometimes reaching gale force, is necessary, especially along the coast and on exposed mountains during autumn, winter, and spring. Dunnage material is generally available in limited quantities over most of the Area, except in the karst areas in the western part of the Interior Highlands Region. Flood plains of streams should be avoided as sites for storage dumps because of the danger of flash floods.

(3) *Shelter* — Shelter is necessary for protection against precipitation, low temperatures, and during the warmer months against strong insolation and insects. Tentage developed by the U.S. Army for Temperate Zone operations is satisfactory for use in the warmer months, and tentage similar to the U.S. Army hexagonal or arctic tent would provide adequate protection in winter. The use of a tent fly (an extra layer of canvas suspended above the tent) is desirable for protection against strong insolation in summer. Tents require flooring, screening, and tying down to afford protection from ground moisture, vermin, insects, and occasional strong winds. Shelter such as the U.S. Army flyproof kitchen tent would provide adequate protection against most insects during the preparation and serving of food. The prevalence of vermin such as rodents requires that provisions be made for preventative measures.

4. Amphibious operations

Summer is the most favorable season for amphibious operations in this Area and winter the least favorable. It would be possible to conduct amphibious operations successfully in any season, except for short intervals when wind speeds are high. Summer is warm and dry with little cloud cover and with marked land and sea breeze effects. Spring and autumn are transitional seasons. Winter is mild and rainy with occasional periods of strong winds from the northeast (the *bora*) and less often from the southeast (the *sirocco*). Conditions are generally less favorable during all seasons in the northern part of the Area.

The frequent passage of lows causes winds in the Adriatic Sea to be quite variable. Strong winds blow mostly from the north to east quadrant, reflecting the occurrence of the bora, a cold northeast wind that blows downslope from the mountains to the sea along the entire length of the Yugoslavian coast. The bora is strongest and most frequent in winter, but it occurs to a lesser degree in the other seasons also. Generally, there is a decrease in the strength and frequency of the bora with

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NOTE Amphibious operations are defined as those operations involving the movement of troops and equipment onto a beach and the associated protective measures. The meteorological elements discussed in this Subsection are those which are of primary importance to such operations as helicopter troop transport, waterborne troop and cargo landing, underwater demolition, air support, and naval gunfire support. Further discussion of some of the elements may be found in the Subsections on Air, Air-ground, and Ground Surface Operations.

increasing distance seaward from the coast, but the high-speed winds extend at times across the entire width of the Adriatic.

The sirocco is a southeast wind which blows in advance of lows moving across the Mediterranean. It is usually warm and humid and in general weaker than the bora. At times it only reaches the southern coast of Yugoslavia; at other times it dominates the Adriatic from end to end. It usually brings rain, strong winds, and high sea and swell conditions to the Yugoslavian coast. The sirocco is most frequent and intense in the colder half of the year but is occasionally observed in summer.

Well-developed land and sea breezes, favored by the steep coast of Yugoslavia, are quite common in the summer half of the year, and to a lesser extent during periods of light winds in spring and autumn.

Along much of the coast the prevailing surface winds in all seasons are northeast through southeast, but northeasterly winds prevail in winter as a result of the bora. Northwest winds are also quite frequent at the more exposed locations. Average surface winds are 4 to 6 knots in summer and early autumn, and 6 to 8 knots during the remainder of the year. Gale-force winds occur less than 1% of the time in summer, increasing in frequency to as high as 6% in winter.

Maximum precipitation occurs in autumn and early winter at most coastal stations, averaging 3 to 9 inches monthly. Minimum precipitation occurs in summer, when most months average 1 to 4 inches. Snowfall is infrequent along the coast.

Thunderstorm days are fairly evenly distributed during May through November, when they average 3 to 6 a month along steep coasts and 3 or less at sheltered places. During the remaining months, thunderstorms occur 2 days or less per month.

The mean cloudiness is greatest in late autumn and winter with 60% to 75% coverage during most months. Cloudiness is least in the last two months of summer and the first month of autumn, averaging 10% to 45% coverage.

In general, poorest visibility conditions exist in winter over the northern sections, where fog occasionally accompanies the winter sirocco and heavy snow showers occur occasionally with the onset of the bora. Fog may be expected on 2 days or less per month in all seasons. Visibilities of 1 mile or less occur less than 1% of the time from April through October, increasing to about 4% in February. Visibilities of less than 6 miles occur less than 25% of the time in summer, increasing to 30% or less in winter. The visibility varies from station to station along the coast as a result of terrain and exposure. For example, Pula has visibility less than 6 miles about 20% to 30% of the time in winter, while at Otok Palagruža the visibility is less than 6 miles only 5% to 15% of the time in winter.

Mean air temperature at coastal stations is about 70° F. to 80° F. in August, decreasing to about 40° F. to 50° F. in January. An absolute maximum temperature of 101° F. has been observed at Kraljevica in July, but most coastal locations have recorded absolute maximums in the 90's in summer. An absolute minimum temperature of —1° F. at Senj has been observed in February. The mean sea surface temperature ranges from 75° F. in August to 54° F. in February.

Relative humidities are highest in winter and spring with monthly averages of 45% to 85%. Lowest relative humidity occurs in summer when most months average 35% to 80%. Humidities are usually highest near sunrise and lowest in midafternoon in all seasons.

Seas of less than 3 feet occur about 65% of the time in winter and about 90% of the time in summer. Rough seas occasionally occur in winter with strong southeasterly siroccos When the bora is blowing, seas do not become very rough close to shore because of the limited fetch, but seas become rougher with increased distance from shore. Visibility may be obstructed away from shore by spray from the bora winds. Swell less than 6 feet occurs 65% of the time in winter, increasing in frequency to 85% in summer.

C. Meteorological facilities and organisation (as of February 1964)

1. History and organization

The history of meteorological services in Yugoslavia dates back to 1850 when two individuals established an unofficial weather service. In that year, Valdimar Jakic started taking observations of cloud cover and precipitation; by 1856 a network of 20 observing stations equipped with thermometers, rain gages, and psychrometers had developed. Also in 1850, Tomkin Miklusic made the first Yugoslavian attempts at weather forecasting, presumably using data observed by Jakic. In 1859 the Republic of Vojvodina established a number of state-financed weather stations. The first Yugoslavian military weather service was inaugurated in the year 1878. No further development in meteorology is evident until World War I, when an observing network was established in the Balkan Peninsula. However, this network was dissolved during the postwar period. In 1926 the foundation of the present meteorological service was laid when demands for meteorological service by military as well as civilian interests resulted in drafting plans for a centralized weather service. However, the implementation of all phases of this plan was delayed until 1947 when Soviet pressure and influence forced their development. The final result was a central agency, called the Federal Hydrometeorological Institute, with enough authority and resources to establish an adequate weather service.

The Institute headquarters, located in Belgrade and under the supervision of Mikslav Perovic, controls the regional offices located in the various Republics of Yugoslavia. Each regional office controls the meteorological activity in its region. Two Main Meteorological Offices, two Supplementary Meteorological Offices, and a Meteorological Observatory are also controlled by the Institute. The four Meteorological Offices are primarily forecast centers, while the regional offices are responsi-

ble for observing, data collection, and dissemination. The administrative offices of the Institute and the meteorological observatory, located in Zagreb, have research and development responsibilities. In addition to research and development, the observatory serves marine meteorological interests through a Marine Department located in Split.

2. Weather observing and communication facilities

A total of 464 synoptic and climatic observing stations scattered throughout Yugoslavia provide fairly good coverage of the Area for meteorological purposes. Hourly and synoptic weather data are observed and transmitted by 60 of these stations, 12 of the 60 also taking pibal wind measurements and 4 more measuring upper-air data by radiosonde. The data transmitted by these 60 stations are available world wide through the World Meteorological Organization's data exchange program, and provide synoptic information for Yugoslavian as well as other European forecast centers. The remaining 404 observing stations observe and record weather elements to satisfy the agricultural and climatological requirements of the Yugoslavian meteorological service.

Marine weather observations are taken by ships at sea and at the various harbor installations of Yugoslavia. All marine weather activity, civilian or military, is under the supervision of the Marine Department of the Meteorological Observatory.

Weather data are transmitted by radio and teletype within and out of Yugoslavia. Forecast times, schedules, frequencies and other related information are listed in World Meteorological Organization Publication No. 9, TP4, Volume 4, and U.S. Navy Oceanographic Publication H.O. 118A.

3. Weather forecasting facilities

Four forecast offices in Yugoslavia provide forecasting service to the various interests in the country. Two Main Meteorological Offices, located at Serein Airport near Belgrade and at Pleso near Zagreb, prepare most of the country's forecasts, the majority of which support aircraft flights. Routine aviation forecasts are prepared and transmitted over the Meteorological Operational Telecommunications Network-Europe for international use. Routine terminal and route forecasts for flights within Yugoslavia are also transmitted. Both Main Meteorological Offices are open 24 hours a day. The Belgrade center has linguistic capability in Serbo-Croatian, English, French, German, and Russian; the Pleso center's linguistic capability is limited to Serbo-Croatian and English. The two Supplementary Meteorological Offices located at Dubrovnik and Skopje serve as data collection and exchange points in addition to their forecasting responsibilities. Marine forecasts are prepared by the forecast center of the Marine Department and transmitted to ships from Split. The forecasts are 12- and 36-hour outlooks and a special Adriatic Sea forecast called MAYFOR.

4. Training and educational level of meteorologists

Meteorology is part of the curriculum of three universities, which are located at Belgrade, Zagreb, and Ljubljana. In addition to meteorology, the four-year course includes physics, higher mathematics, and two foreign languages. The difficulty of the course and lack of interest in meteorology result in small graduating classes. A shortage of trained meteorologists is one of the main deficiencies of the Federal Hydrometeorology Institute.

Observers are trained in an observing school in Belgrade. The four-year curriculum consists of synoptic meteorology, climatological statistics, weather instruments, and weather station operation. The number of graduates is too small to meet the requirements of the service, forcing an on-the-job training program. If the trainee can pass a written examination after his six months course, he is given the same status as an observing school graduate. On-the-job training is considered a temporary measure; eventually all observers are programmed to be graduates of the formal course.

D. Climatic data tables

This Subsection contains the various climatic data tables referred to in Subsections A and B. The stations in each table are listed alphabetically by region. The data are believed to be representative and are based on the most accurate and longest periods of record available at this time. The most recent material includes observations on ceiling and visibility conditions based on observations taken in 1952 through 1962. A map of stations (FIGURE 68), with an accompanying list giving latitude, longitude, and elevation of stations mentioned in Subsections A, B, and D, appears at the end of the Section. The annual values in some tables are slightly different from the sum or means of the monthly values because of the rounding-off of fractions.

FIGURE 36. MEAN CLOUDINESS (%) AT SPECIFIED HOURS

REGION AND STATION	HOUR (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YRS REC
Northern Plains:															
Belgrade	0100	70	69	58	46	51	41	32	25	31	42	69	69	50	10–11
Osijek	0100	65	59	46	46	42	42	28	24	26	42	68	68	46	6–8
Pleso	0100	71	62	52	50	46	46	35	30	34	49	74	71	51	9–11
Slavonski Brod	0100	70	66	54	54	50	46	35	28	34	50	74	71	52	5–7
Interior Highlands:															
Banja Luka	0100	72	65	58	54	51	46	35	28	32	52	76	74	54	9–10
Kraljevo	0100	66	66	60	49	54	42	34	28	34	48	60	61	51	9–11
Ljubljana Airport	0100	82	66	56	56	51	54	42	40	51	70	82	85	62	9–11
Loznica	0100	71	65	52	44	46	42	30	20	30	45	68	66	48	3–5
Niš	0100	65	55	61	56	60	44	35	30	31	38	71	78	52	1–3
Peć	0100	64	61	52	54	52	36	24	26	38	50	70	66	50	3–5
Sarajevo	0100	74	66	60	51	40	44	34	29	32	52	75	74	54	9–10
Skopje	0100	74	56	58	49	50	32	24	20	30	45	68	70	48	9–11
Coast and Islands:															
Pula	0100	60	54	51	51	41	41	25	22	28	41	56	61	45	8–10
Split	0100	52	48	40	44	30	34	19	15	28	38	54	55	40	10–11
Titograd	0100	56	55	55	49	50	32	21	11	24	41	60	60	42	5–7
Ulcinj	0100	58	60	40	45	41	24	12	12	24	34	55	55	39	5–8
Zadar	0100	51	40	41	44	36	31	20	10	25	32	52	55	38	7–9
Northern Plains:															
Belgrade	0700	74	70	68	60	59	50	40	36	40	54	78	75	59	10–11
Osijek	0700	78	71	65	62	56	51	44	36	45	55	80	76	60	9–11
Pleso	0700	80	76	69	68	60	58	51	42	51	69	84	84	66	9–11
Slavonski Brod	0700	80	78	68	64	59	59	34	45	51	68	80	82	64	3–5
Interior Highlands:															
Banja Luka	0700	82	76	72	68	65	58	45	41	48	70	86	82	66	9–11
Kraljevo	0700	80	80	74	64	65	54	42	36	42	62	80	80	64	9–11
Ljubljana Airport	0700	86	88	75	76	72	70	74	81	86	91	92	94	82	9–11
Loznica	0700	76	79	62	54	59	55	41	35	42	69	80	76	61	3–6
Niš	0700	72	72	72	59	59	52	32	34	40	58	78	70	59	1–2
Peć	0700	81	72	65	64	61	50	35	29	42	60	72	75	59	1–4
Sarajevo	0700	82	78	69	62	62	50	40	45	54	74	84	85	68	9–11
Skopje	0700	82	72	71	60	59	41	29	26	41	59	79	81	59	9–11
Coast and Islands:															
Otok Palagruža	0700	62	68	66	59	50	48	28	24	41	58	71	69	54	5–7
Pula	0700	66	64	62	61	56	52	35	35	42	55	69	72	56	9–11
Split	0700	64	60	59	58	52	48	29	25	38	49	65	64	51	9–11
Titograd	0700	70	65	65	60	59	40	26	20	36	51	70	68	52	5–8
Ulcinj	0700	65	68	62	58	54	40	21	21	34	49	68	62	50	6–9
Zadar	0700	62	59	60	58	50	44	28	29	38	49	66	69	51	9–11
Northern Plains:															
Belgrade	1300	70	64	65	64	66	55	46	40	42	54	76	76	61	10–11
Osijek	1300	74	70	65	66	62	60	45	41	45	56	79	78	61	9–11
Pleso	1300	74	71	69	69	68	61	51	45	51	62	81	82	65	10–11
Slavonski Brod	1300	76	69	66	68	68	66	51	50	54	66	80	78	66	5–7
Interior Highlands:															
Banja Luka	1300	79	76	74	72	70	65	54	46	51	68	82	80	69	8–10
Kraljevo	1300	78	75	69	68	68	62	49	42	45	59	76	75	64	9–11
Ljubljana Airport	1300	75	70	68	72	70	68	54	52	55	65	85	84	69	10–11
Loznica	1300	76	71	64	61	66	59	46	38	48	62	74	74	61	3–6
Niš	1300	72	71	64	72	58	55	46	42	44	54	72	74	60	1–2
Peć	1300	75	69	64	71	76	68	55	49	50	62	76	69	65	3–6
Sarajevo	1300	74	69	65	70	70	64	51	44	48	59	78	80	64	9–11
Skopje	1300	76	66	68	68	64	56	40	34	42	56	75	74	60	10–11
Coast and Islands:															
Otok Palagruža	1300	65	66	61	54	51	41	21	25	38	55	74	72	52	5–8
Pula	1300	62	60	60	60	56	52	38	38	42	50	69	72	55	9–11
Split	1300	61	60	56	59	56	48	31	29	38	52	66	69	52	10–11
Titograd	1300	70	68	66	62	66	52	30	25	44	60	70	70	58	6–7
Ulcinj	1300	68	68	58	52	52	41	23	22	38	46	65	62	50	6–8
Zadar	1300	64	59	58	54	50	44	29	29	35	51	66	69	50	9–11

FIGURE 36 (*Continued*)

REGION AND STATION	HOUR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YRS REC
	(LST)														
Northern Plains:															
Belgrade	1600	69	71	66	59	64	55	46	35	38	50	74	76	59	3-4
Osijek	1600	75	68	70	64	64	59	55	38	45	56	80	80	62	3-4
Pleso	1600	76	71	72	69	65	58	54	44	46	60	84	79	65	3-4
Interior Highlands:															
Banja Luka	1600	75	74	75	70	69	64	56	41	48	64	85	85	68	3-4
Kraljevo	1600	71	74	74	66	70	66	56	35	41	59	78	76	64	3-4
Ljubljana Airport	1600	74	58	72	72	69	62	58	49	49	62	84	81	66	3-4
Lesnica	1600	70	75	68	61	66	58	49	30	39	60	79	79	61	1-3
Sarajevo	1600	72	61	74	70	72	70	59	44	50	62	82	81	66	2-4
Skopje	1600	70	56	69	62	68	60	44	32	44	56	75	75	59	3-4
Coast and Islands:															
Otok Palagruža	1600	65	50	65	41	40	32	16	20	30	22	68	62	44	1-2
Pula	1600	69	52	66	50	59	48	41	30	42	55	75	80	58	3-4
Split	1600	61	50	61	62	56	46	35	28	35	52	69	71	52	3-4
Titograd	1600	61	51	65	62	60	52	40	26	38	58	78	75	55	1-3
Zadar	1600	62	48	58	44	46	35	28	20	31	46	64	70	46	3-4
Northern Plains:															
Belgrade	1900	68	62	59	61	62	59	42	38	38	42	66	66	55	10-11
Osijek	1900	65	64	60	61	60	58	42	39	38	46	69	71	56	9-11
Pleso	1900	66	66	62	64	64	60	40	45	44	51	72	71	60	10-11
Slavonski Brod	1900	70	62	60	68	65	68	44	45	42	56	70	74	60	4-6
Interior Highlands:															
Banja Luka	1900	71	65	60	70	68	65	48	45	44	52	76	74	62	9-11
Kraljevo	1900	69	64	61	64	68	62	45	40	39	48	65	62	58	10-11
Ljubljana Airport	1900	69	58	65	69	68	66	55	51	49	52	76	75	62	10-11
Lesnica	1900	70	64	59	59	70	64	44	36	40	46	71	69	58	4-6
Niš	1900	68	59	68	64	64	59	38	30	32	44	58	68	54	1-3
Peć	1900	68	58	62	60	66	64	39	41	46	58	69	64	59	2-5
Sarajevo	1900	68	62	62	64	66	61	49	39	46	59	68	69	59	9-10
Skopje	1900	70	55	60	60	65	59	40	31	36	45	65	65	54	9-11
Coast and Islands:															
Otok Palagruža	1900	61	66	64	59	51	46	29	31	41	46	61	61	51	5-7
Pula	1900	55	55	59	59	58	52	38	38	39	42	56	64	51	9-11
Split	1900	52	54	52	56	56	48	32	29	36	46	56	61	48	10-11
Titograd	1900	60	60	59	60	66	55	39	28	35	45	60	58	52	6-8
Ulcinj	1900	59	61	55	51	56	42	22	21	32	38	55	55	46	7-8
Zadar	1900	59	49	51	54	52	44	29	29	35	38	53	60	45	9-11

FIGURE 37. MEAN NUMBER OF CLEAR DAYS (≤ 2-EIGHTHS CLOUD COVER) AT SPECIFIED HOURS

REGION AND STATION	HOUR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YRS REC
	(LST)														
Northern Plains:															
Belgrade	0100	9	7	11	14	14	16	20	22	19	17	8	9	165	10-11
Osijek	0100	9	11	16	14	17	16	22	23	22	17	9	9	185	6-8
Pleso	0100	8	9	14	14	16	15	20	21	19	15	7	8	164	9-11
Slavonski Brod	0100	8	8	13	12	14	15	19	22	19	15	7	8	150	5-7
Interior Highlands:															
Banja Luka	0100	8	9	12	13	14	15	20	21	20	13	6	7	157	9-10
Kraljevo	0100	10	9	12	15	13	16	20	22	19	15	9	11	160	9-11
Ljubljana Airport	0100	5	9	12	12	14	12	16	17	14	7	4	4	125	9-11
Lesnica	0100	7	8	14	16	15	16	22	25	20	16	9	9	176	3-5
Niš	0100	10	11	10	12	10	14	19	21	20	10	7	7	150	1-3
Peć	0100	9	10	13	12	13	18	24	22	18	13	8	9	160	3-5
Sarajevo	0100	6	8	11	11	14	15	19	21	19	14	6	7	154	9-10
Skopje	0100	7	10	12	14	13	19	22	24	20	16	8	8	174	9-11
Coast and Islands:															
Pula	0100	12	12	14	13	17	16	23	24	21	17	12	11	190	8-10
Split	0100	14	14	15	16	18	19	25	26	22	19	13	13	211	10-11
Titograd	0100	12	11	14	14	14	20	23	28	22	17	10	11	194	5-7
Ulcinj	0100	12	10	15	15	16	22	26	27	22	20	12	13	210	5-8
Zadar	0100	14	13	17	16	19	20	28	25	22	20	13	13	210	7-9

FIGURE 37 (*Continued*)

REGION AND STATION	HOUR (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YRS REC
Northern Plains:															
Belgrade	0700	6	5	8	10	11	11	16	18	17	12	4	6	125	10–11
Osijek	0700	5	7	10	9	11	13	16	19	15	12	5	6	127	9–11
Pleso	0700	5	5	8	8	10	11	13	16	13	7	4	3	102	9–11
Slavonski Brod	0700	6	6	9	9	11	11	18	16	13	8	5	4	114	3–5
Interior Highlands:															
Banja Luka	0700	4	6	7	8	8	11	16	17	15	8	3	5	100	9–11
Kraljevo	0700	5	4	7	9	9	12	16	19	16	10	4	5	116	9–11
Ljubljana Airport	0700	3	3	6	5	6	7	6	4	3	1	1	2	48	9–11
Loznica	0700	8	4	11	14	11	11	17	19	16	8	4	6	129	3–6
Niš	0700	7	7	7	10	12	14	19	19	17	13	5	7	136	1–2
Peć	0700	5	6	8	9	9	11	18	22	15	10	6	7	120	1–4
Sarajevo	0700	4	4	8	9	9	10	15	15	12	6	3	3	97	9–11
Skopje	0700	4	5	6	9	10	15	21	22	16	11	4	4	126	9–11
Coast and Islands:															
Otok Palagruža	0700	8	5	7	10	11	12	21	23	15	9	5	6	130	5–7
Pula	0700	9	9	10	9	11	12	19	19	16	12	8	7	141	9–11
Split	0700	10	10	11	11	13	14	21	23	18	15	9	11	165	9–11
Titograd	0700	8	9	9	11	11	15	22	24	19	12	7	9	155	5–8
Ulcinj	0700	9	8	10	10	13	15	24	23	18	13	8	10	160	3–9
Zadar	0700	10	11	11	10	13	15	21	20	18	14	9	8	160	9–11
Northern Plains:															
Belgrade	1300	5	5	8	7	6	8	14	16	15	11	5	5	100	10–11
Osijek	1300	6	7	9	8	8	7	15	16	14	12	5	5	110	9–11
Pleso	1300	6	6	7	6	7	7	12	14	12	9	4	4	94	10–11
Slavonski Brod	1300	6	7	8	7	6	7	12	12	10	8	4	6	93	5–7
Interior Highlands:															
Banja Luka	1300	5	5	5	6	5	7	11	15	12	7	3	4	85	8–10
Kraljevo	1300	5	5	7	7	6	7	14	16	15	10	5	6	103	9–11
Ljubljana Airport	1300	6	6	8	5	4	5	10	11	11	8	3	3	78	10–11
Loznica	1300	6	6	10	9	8	9	14	16	13	9	5	7	115	3–6
Niš	1300	5	6	9	4	10	10	15	17	16	13	6	6	118	1–2
Peć	1300	6	6	8	5	3	3	10	13	11	9	4	8	86	3–6
Sarajevo	1300	6	6	8	5	4	4	10	14	13	10	4	4	87	9–11
Skopje	1300	4	7	9	5	4	7	15	19	16	10	3	5	102	10–11
Coast and Islands:															
Otok Palagruža	1300	7	9	8	11	11	13	24	22	17	9	4	4	135	5–8
Pula	1300	10	10	11	10	11	12	18	18	15	11	7	7	130	9–11
Split	1300	11	10	12	10	11	14	22	23	18	13	8	8	160	10–11
Titograd	1300	8	8	12	8	6	10	17	22	16	10	7	8	131	6–7
Ulcinj	1300	9	7	12	13	12	16	23	24	17	14	9	10	164	6–8
Zadar	1300	9	10	12	12	13	15	21	22	19	12	8	8	160	9–11
Northern Plains:															
Belgrade	1600	7	6	9	9	8	8	13	18	17	12	6	5	118	3–4
Osijek	1600	6	7	7	9	8	8	12	18	14	11	3	3	102	3–4
Pleso	1600	5	7	6	5	6	9	10	14	14	9	3	4	93	3–4
Interior Highlands:															
Banja Luka	1600	6	6	5	5	6	7	12	18	14	9	2	2	89	3–4
Kraljevo	1600	8	6	7	8	6	7	13	20	16	10	5	6	111	3–4
Ljubljana Airport	1600	5	10	7	4	4	6	9	15	14	9	3	4	87	3–4
Loznica	1600	8	5	8	11	7	10	14	22	18	10	4	5	121	1–3
Sarajevo	1600	7	9	6	5	3	4	8	14	12	9	2	3	80	2–4
Skopje	1600	7	9	6	6	4	5	15	19	16	10	4	5	105	3–4
Coast and Islands:															
Otok Palagruža	1600	7	11	6	15	13	17	27	24	20	26	5	7	178	1–2
Pula	1600	8	12	8	11	10	12	16	17	16	12	5	4	128	3–4
Split	1600	10	13	11	9	13	14	20	23	19	14	7	7	158	3–4
Titograd	1600	11	12	10	10	8	8	15	22	17	10	4	5	131	1–3
Zadar	1600	9	13	12	16	14	18	22	23	19	15	9	7	177	3–4

FIGURE 37 (*Continued*)

REGION AND STATION	HOUR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YRS REC
	(LST)														
Northern Plains:															
Belgrade	1000	9	9	11	8	8	8	15	18	17	16	8	10	137	10-11
Osijek	1000	10	9	11	10	9	9	16	18	18	15	8	8	141	9-11
Ploso	1000	9	8	11	9	8	9	13	15	16	14	7	8	125	10-11
Slavonski Brod	1000	8	10	10	8	8	6	15	16	15	12	8	7	122	4-6
Interior Highlands:															
Banja Luka	1000	8	9	8	7	7	8	15	15	16	14	6	7	110	9-11
Kraljevo	1000	9	9	10	9	7	8	14	18	17	15	9	10	135	10-11
Ljubljana Airport	1000	9	11	10	6	6	6	10	11	14	13	6	7	100	10-11
Lesnica	1000	8	9	12	12	6	7	16	19	17	16	8	9	138	4-6
Niš	1000	9	13	9	9	8	8	18	18	20	16	9	8	144	1-3
Peć	1000	9	10	9	7	7	8	15	17	14	11	8	9	124	2-5
Sarajevo	1000	8	9	10	8	7	7	13	17	17	14	8	8	126	9-10
Skopje	1000	7	12	11	8	6	7	15	19	18	16	8	9	137	9-11
Coast and Islands:															
Otok Palagruža	1000	9	6	8	10	11	12	20	18	16	15	8	9	141	5-7
Pula	1000	13	12	12	11	10	12	17	18	17	17	12	10	160	9-11
Split	1000	14	12	14	12	12	14	20	21	19	18	12	11	179	10-11
Titograd	1000	12	10	12	9	7	9	16	21	19	15	11	12	151	6-8
Ulcinj	1000	12	10	13	13	10	15	23	22	19	19	12	13	180	7-8
Zadar	1000	14	14	14	13	11	15	20	21	19	18	13	11	182	9-11

FIGURE 38. MEAN NUMBER OF CLOUDY DAYS (≥6-EIGHTHS CLOUD COVER) AT SPECIFIED HOURS

REGION AND STATION	HOUR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YRS REC
	(LST)														
Northern Plains:															
Belgrade	0100	21	19	17	13	14	11	9	6	8	12	20	21	170	10-11
Osijek	0100	19	16	13	12	11	12	8	6	7	12	19	20	155	6-8
Ploso	0100	22	17	15	14	13	13	9	8	9	14	21	32	175	9-11
Slavonski Brod	0100	21	18	16	16	14	13	10	7	9	14	22	21	181	5-7
Interior Highlands:															
Banja Luka	0100	21	18	17	15	15	12	10	7	9	16	22	23	185	9-10
Kraljevo	0100	20	18	18	13	15	11	9	8	9	14	19	19	173	9-11
Ljubljana Airport	0100	25	18	17	16	15	15	12	11	15	24	25	26	218	9-11
Lesnica	0100	22	18	15	11	12	11	6	5	8	12	20	19	159	3-5
Niš	0100	18	13	18	15	17	10	9	8	8	11	22	24	173	1-3
Peć	0100	19	16	15	14	14	8	5	7	10	14	19	19	158	3-5
Sarajevo	0100	22	18	18	11	14	12	9	8	9	16	22	22	183	9-10
Skopje	0100	23	14	17	12	13	8	5	4	8	13	20	21	157	9-11
Coast and Islands:															
Pula	0100	18	14	15	14	11	10	6	5	7	12	16	18	145	8-10
Split	0100	15	12	15	12	11	8	5	4	7	11	15	16	131	10-11
Titograd	0100	17	15	15	13	13	8	5	2	6	11	16	17	138	5-7
Ulcinj	0100	17	16	14	12	11	6	3	2	6	10	15	16	127	5-8
Zadar	0100	15	13	12	11	10	9	5	4	7	9	15	16	126	7-9
Northern Plains:															
Belgrade	0700	22	20	21	17	17	12	11	10	10	16	23	22	200	10-11
Osijek	0700	23	19	19	17	16	13	12	9	12	15	23	22	200	9-11
Ploso	0700	24	21	20	19	17	15	13	11	14	21	25	25	225	9-11
Slavonski Brod	0700	24	22	20	18	16	17	7	12	14	20	23	25	219	3-5
Interior Highlands:															
Banja Luka	0700	25	20	23	19	19	16	12	12	13	21	26	25	220	9-11
Kraljevo	0700	24	22	22	18	18	14	11	9	11	19	24	24	217	9-11
Ljubljana Airport	0700	27	24	22	22	21	20	22	25	26	28	27	29	292	9-11
Lesnica	0700	23	22	19	16	16	14	11	9	11	20	23	23	206	3-6
Niš	0700	21	19	23	16	18	15	8	10	8	16	24	20	198	1-2
Peć	0700	24	18	20	19	17	12	7	6	10	16	21	22	192	1-4
Sarajevo	0700	24	21	20	17	18	15	13	13	15	23	25	25	220	9-11
Skopje	0700	25	19	21	16	15	9	6	5	10	17	23	24	189	9-11
Coast and Islands:															
Otok Palagruža	0700	17	16	17	16	11	11	5	4	8	14	19	19	156	5-7
Pula	0700	19	17	19	17	16	14	8	6	11	16	19	22	185	9-11
Split	0700	18	16	17	16	14	13	7	5	10	14	19	19	168	9-11
Titograd	0700	21	16	19	15	16	9	6	4	9	14	20	19	169	5-8
Ulcinj	0700	19	18	18	15	15	9	4	5	9	15	20	18	163	6-9
Zadar	0700	19	15	18	16	13	11	6	7	10	14	19	21	166	9-11

FIGURE 38 (*Continued*)

REGION AND STATION	HOUR (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YRS REC
Northern Plains:															
Belgrade	1300	23	20	19	17	17	12	10	9	9	15	23	23	197	10–11
Osijek	1300	22	19	19	18	16	15	11	9	11	16	23	24	203	9–11
Pleso	1300	22	19	20	18	19	15	12	10	11	17	24	25	212	10–11
Slavonski Brod	1300	23	18	19	19	18	17	12	12	13	19	23	23	216	5–7
Interior Highlands:															
Banja Luka	1300	24	21	22	20	20	17	14	11	13	19	25	24	228	8–10
Kraljevo	1300	23	21	20	18	19	16	11	9	10	16	22	22	208	9–11
Ljubljana Airport	1300	23	19	19	19	19	17	12	12	13	18	25	25	220	10–11
Loznica	1300	24	19	19	17	19	15	10	8	11	18	21	22	202	3–6
Niš	1300	21	19	20	21	16	12	11	9	10	13	20	23	194	1–2
Peć	1300	22	18	19	19	23	17	14	11	11	17	22	21	214	3–6
Sarajevo	1300	22	18	18	18	18	15	11	9	10	16	22	24	202	9–11
Skopje	1300	23	16	19	18	16	12	7	5	8	15	20	21	181	10–11
Coast and Islands:															
Otok Palagruža	1300	17	16	15	13	12	6	3	4	7	13	20	20	146	5–8
Pula	1300	18	15	18	16	14	13	8	8	10	16	20	22	177	9–11
Split	1300	19	16	16	16	15	11	6	6	9	15	20	21	169	10–11
Titograd	1300	21	18	17	16	17	11	8	3	9	17	20	21	179	6–7
Ulcinj	1300	20	18	17	14	13	9	4	5	9	12	18	18	157	6–8
Zadar	1300	18	16	16	14	13	11	6	6	8	13	19	20	159	9–11
Northern Plains:															
Belgrade	1600	22	20	21	15	17	12	11	7	10	13	21	22	191	3–4
Osijek	1600	23	18	20	16	18	14	13	9	13	16	24	24	207	3–4
Pleso	1600	23	19	21	18	16	13	13	11	11	17	25	23	211	3–4
Interior Highlands:															
Banja Luka	1600	24	21	23	19	19	16	15	10	12	20	27	26	232	3–4
Kraljevo	1600	22	20	21	17	20	18	16	6	11	17	23	23	214	3–4
Ljubljana Airport	1600	21	14	21	20	19	15	13	13	13	17	25	26	216	3–4
Loznica	1600	21	23	19	16	19	15	12	7	10	17	24	23	204	1–3
Sarajevo	1600	22	16	22	19	18	18	13	9	12	19	25	24	216	2–4
Skopje	1600	20	13	20	15	19	14	8	5	10	14	21	22	182	3–4
Coast and Islands:															
Otok Palagruža	1600	16	11	16	9	8	4	2	2	7	3	15	16	107	1–2
Pula	1600	20	13	19	16	15	11	9	7	10	15	21	25	181	3–4
Split	1600	18	13	19	19	16	10	8	5	8	15	21	22	174	3–4
Titograd	1600	20	12	19	16	16	10	7	4	8	16	21	22	169	1–3
Zadar	1600	18	12	16	11	12	7	7	3	7	13	17	22	144	3–4
Northern Plains:															
Belgrade	1900	20	17	17	17	16	15	11	9	9	13	19	20	183	10–11
Osijek	1900	20	17	17	16	16	14	10	9	10	13	20	21	183	9–11
Pleso	1900	20	18	17	17	17	16	12	10	11	14	21	22	193	10–11
Slavonski Brod	1900	21	17	17	19	18	19	12	11	14	16	20	22	202	4–6
Interior Highlands:															
Banja Luka	1900	22	17	20	19	19	18	12	11	11	15	22	22	200	9–11
Kraljevo	1900	20	17	17	17	18	17	11	10	10	13	19	18	187	10–11
Ljubljana Airport	1900	21	15	18	18	19	17	14	13	12	15	23	23	207	10–11
Loznica	1900	21	18	17	16	20	18	12	8	10	13	20	21	193	4–6
Niš	1900	21	13	20	18	17	16	8	9	7	12	15	19	176	1–3
Peć	1900	20	15	18	18	18	17	8	9	11	16	19	17	187	2–5
Sarajevo	1900	20	17	18	17	18	15	12	9	9	14	19	21	187	9–10
Skopje	1900	21	14	17	14	17	13	9	6	8	12	18	19	169	9–11
Coast and Islands:															
Otok Palagruža	1900	15	16	17	14	11	9	5	5	8	11	15	16	141	5–7
Pula	1900	16	14	17	16	16	13	8	9	9	12	15	19	162	9–11
Split	1900	15	14	15	16	16	13	7	6	9	11	16	19	155	10–11
Titograd	1900	18	16	17	15	17	13	8	4	7	12	17	16	159	6–8
Ulcinj	1900	17	16	16	13	14	10	4	4	8	10	14	16	141	7–8
Zadar	1900	14	12	14	14	14	10	6	6	8	10	14	18	140	9–11

Figure 30. MEAN NUMBER OF DAYS WITH THUNDERSTORMS

REGION AND STATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YRS REC
Northern Plains:														
Belgrade	0	0	1	2	5	6	5	5	2	1	0	0	25	16
Bosanski Novi	*	*	*	*	1	1	1	1	*	*	*	0	6	19
Čakovec	0	0	*	1	3	4	4	3	1	*	*	*	16	16
Đurđevac	0	0	*	1	3	4	4	3	1	1	*	0	17	16
Ilok	0	0	0	*	1	1	*	*	0	*	0	0	3	16
Kragujevac	0	0	*	1	3	4	3	3	1	1	*	0	16	16
Novska	0	0	*	*	*	*	1	*	*	*	*	0	2	16
Osijek	*	*	1	2	6	6	6	5	2	1	*	0	20	16
Slavonski Brod	0	0	1	2	6	7	5	6	2	1	*	*	28	16
Zagreb	*	*	1	2	6	8	6	6	3	2	1	*	34	16
Interior Highlands:														
Banja Luka	0	*	1	1	1	4	5	3	3	1	*	*	18	16
Bihać	*	*	1	1	2	3	3	3	2	1	1	1	17	16
Bitola	0	0	0	*	0	1	*	*	*	*	*	0	2	16
Bjelašnica	1	1	1	3	6	8	8	7	4	4	2	1	46	16
Bosanski Petrovac	*	*	*	1	1	2	2	1	1	*	*	*	9	19
Bosansko Grahovo	*	0	0	0	0	*	*	*	*	0	0	0	1	16
Cetinje	2	3	1	3	4	4	4	4	4	5	3	2	40	16
Debar	*	*	0	*	*	1	*	*	*	*	*	*	3	16
Kolašin	0	*	0	*	1	1	*	*	*	*	*	*	3	16
Lasko	0	*	1	2	6	7	6	7	2	2	1	*	33	16
Ljubljana	*	*	1	2	6	8	8	8	4	2	1	*	40	16
Maribor	0	0	*	2	4	5	4	4	2	1	1	0	23	16
Mlinište	*	*	0	0	1	*	*	*	*	*	*	0	2	16
Novoselje	1	*	*	2	1	2	1	1	1	2	*	1	10	16
Nikšić	*	0	*	*	*	*	*	*	*	0	*	0	2	16
Niš	0	*	*	2	6	6	5	4	1	*	*	0	24	16
Peć	*	*	0	1	2	3	4	3	2	1	*	0	15	16
Pljevlja	*	*	*	*	2	3	2	2	*	1	1	*	10	16
Prilep	*	*	*	2	6	7	5	5	3	2	*	*	31	16
Priština	0	0	*	*	1	2	2	1	*	*	0	0	7	16
Prizren	0	*	*	1	3	4	4	3	1	2	*	*	20	16
Sarajevo	*	0	*	*	1	2	4	2	1	1	*	*	11	16
Sasa	*	0	*	*	3	3	3	2	1	1	0	0	12	16
Sinji Vrh	0	0	0	*	*	*	*	0	0	*	0	0	1	16
Skopje	0	*	*	1	4	4	3	3	1	1	*	*	17	16
Titovo Užice	0	0	*	1	3	2	3	2	1	*	0	0	11	16
Trebinje	*	*	*	*	1	1	1	1	*	*	*	*	5	16
Coast and Islands:														
Cesarica	*	*	*	1	1	2	1	2	1	1	2	1	13	16
Hvar	1	1	*	1	2	2	2	3	2	3	1	2	19	16
Kraljevica	1	1	1	2	4	6	5	6	3	4	3	2	37	16
Mostar	1	1	1	2	3	3	3	3	2	2	2	1	22	16
Pasin	0	*	*	*	2	2	1	2	*	*	*	*	8	16
Rab	*	*	*	1	1	1	2	1	*	1	1	*	8	16
Split	2	2	1	2	5	4	4	4	3	5	4	3	39	11
Titograd	1	1	1	1	4	4	3	4	3	3	2	1	28	16

* <0.5 day.

FIGURE 40. PERCENTAGE FREQUENCY OF CEILING* HEIGHT ≤4,020 FEET AT SPECIFIED HOURS

REGION AND STATION	HOUR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YRS REC
	(LST)														
Northern Plains:															
Belgrade	0100	46	38	27	22	25	19	15	11	15	20	40	40	27	10–11
Osijek	0100	37	33	27	28	31	27	18	15	16	28	53	50	30	6–8
Pleso	0100	55	43	35	27	27	28	21	17	20	32	50	55	35	9–11
Slavonski Brod	0100	45	42	31	30	26	22	17	13	14	25	58	50	33	5–6
Interior Highlands:															
Banja Luka	0100	57	40	44	38	36	31	24	19	22	41	67	62	41	9–10
Kraljevo	0100	47	46	35	30	32	20	22	18	13	30	48	45	33	9–11
Ljubljana Airport	0100	75	56	43	43	37	40	30	27	43	65	70	80	51	9–11
Loznica	0100	40	45	30	23	20	26	14	11	20	34	50	40	32	3–5
Niš	0100	42	38	32	31	33	27	10	16	15	23	53	60	32	1–2
Peć	0100	56	40	43	42	44	28	15	23	27	39	64	62	41	3–5
Sarajevo	0100	63	52	43	34	35	31	23	20	23	42	65	64	44	8–10
Skopje	0100	65	40	44	27	27	15	7	7	17	30	56	63	33	9–11
Coast and Islands:															
Pula	0100	40	40	34	30	22	18	10	9	15	25	37	49	27	8–10
Split	0100	21	22	21	16	13	9	4	3	8	15	25	32	16	10–11
Titograd	0100	33	30	26	19	17	12	6	2	8	19	33	33	20	5–8
Ulcinj	0100	31	40	28	24	16	12	6	4	10	16	33	34	21	5–8
Zadar	0100	32	24	26	25	22	21	15	9	15	21	35	40	24	7–10
Northern Plains:															
Belgrade	0700	51	49	33	23	23	20	17	13	15	24	47	55	31	10–11
Osijek	0700	50	51	39	38	33	29	29	23	27	35	65	62	39	9–10
Pleso	0700	64	54	37	33	27	26	26	23	29	40	67	66	42	9–11
Slavonski Brod	0700	54	47	35	26	23	24	5	16	14	32	47	66	32	3–5
Interior Highlands:															
Banja Luka	0700	65	52	40	38	30	31	26	21	26	47	66	63	43	9–11
Kraljevo	0700	55	50	38	25	24	22	21	15	16	20	48	53	33	9–11
Ljubljana Airport	0700	81	72	54	51	40	44	54	63	70	80	83	86	66	9–11
Loznica	0700	51	52	33	20	25	20	20	13	21	43	51	53	35	3–6
Niš	0700	44	50	29	20	30	27	12	11	10	23	27	30	27	1–2
Peć	0700	72	65	47	40	41	25	25	17	24	38	63	70	14	1–4
Sarajevo	0700	60	62	48	36	41	38	31	34	37	56	71	75	50	8–10
Skopje	0700	68	54	49	28	25	12	0	6	15	37	64	65	36	9–11
Coast and Islands:															
Otok Palagruža	0700	17	21	21	18	4	0	4	1	7	13	26	16	13	5–7
Pula	0700	44	46	35	30	20	10	11	12	10	30	43	51	31	9–11
Split	0700	28	23	24	19	10	11	7	3	8	17	30	34	18	9–11
Titograd	0700	30	34	25	17	15	7	5	5	12	10	30	30	20	3–8
Ulcinj	0700	37	40	27	19	21	8	5	5	11	30	30	34	21	6–7
Zadar	0700	40	34	30	25	23	19	10	12	18	28	38	48	27	9–10
Northern Plains:															
Belgrade	1200	43	30	30	33	34	23	22	15	15	20	40	44	30	10–11
Osijek	1300	47	47	40	44	40	37	29	24	25	30	60	58	40	9–11
Pleso	1300	51	39	39	38	36	31	22	17	26	28	57	57	37	9–11
Slavonski Brod	1300	35	33	23	32	27	27	18	10	18	24	48	51	30	5–7
Interior Highlands:															
Banja Luka	1300	52	45	40	41	40	37	32	22	23	37	59	55	41	8–10
Kraljevo	1300	47	38	32	34	34	30	19	18	18	20	33	41	31	9–1
Ljubljana Airport	1300	58	51	38	39	30	32	22	16	20	30	68	67	41	9–11
Loznica	1300	40	46	41	33	30	35	20	16	20	33	1	50	33	3–5
Niš	1300	44	30	33	30	28	23	24	15	17	18	30	45	30	1–2
Peć	1300	60	50	38	48	64	44	45	31	30	45	61	57	48	3–6
Sarajevo	1300	52	47	40	38	38	26	22	17	20	35	57	60	38	9–11
Skopje	1300	68	37	38	25	18	13	6	7	11	24	51	53	20	9–11
Coast and Islands:															
Otok Palagruža	1300	16	18	16	7	7	4	2	2	4	10	23	19	11	5–8
Pula	1300	36	34	26	25	19	14	11	9	15	30	57	49	26	9–11
Split	1300	25	24	23	17	12	11	5	4	7	20	33	33	18	10–11
Titograd	1300	32	32	23	20	17	13	8	2	11	24	40	33	21	4–7
Ulcinj	1300	33	33	21	19	13	6	4	2	8	19	30	32	19	6–9
Zadar	1300	32	25	25	23	18	13	8	8	14	24	26	30	22	9–11

* Ceiling herein defined as .5-eighths cloud cover.

FIGURE 40 (*Continued*)

REGION AND STATION	HOUR (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YRS REC
Northern Plains:															
Belgrade	1600	38	47	24	27	27	19	19	10	13	15	33	37	26	3–4
Osijek	1600	54	53	46	34	40	34	37	20	32	35	60	61	42	3–4
Pleso	1600	56	46	42	29	27	18	22	14	17	27	65	57	35	3–4
Interior Highlands:															
Banja Luka	1600	46	46	47	38	31	20	34	19	26	30	55	43	37	3–4
Kraljevo	1600	49	47	40	31	32	35	34	10	17	25	52	44	33	3–4
Ljubljana Airport	1600	50	31	38	31	26	27	19	10	24	33	50	57	34	3–4
Loznica	1600	56	58	41	26	38	35	27	18	23	37	55	54	39	1–3
Sarajevo	1600	54	36	37	30	31	24	24	15	16	34	52	58	35	2–4
Skopje	1600	45	29	38	19	23	16	11	3	14	19	42	53	26	3–4
Coast and Islands:															
Otok Palagruža	1600	10	2	13	6	4	6	2	2	0	0	12	24	7	1–2
Pula	1600	33	25	34	22	15	15	14	7	16	20	50	43	25	3–4
Split	1600	20	20	27	20	12	10	6	7	6	23	38	31	18	3–4
Titograd	1600	14	12	32	20	8	9	8	2	7	21	48	36	18	1–3
Ulcinj	1600	20	23	20	11	10	14	8	0	7	15	39	36	18	1–2
Zadar	1600	22	15	23	11	14	11	8	5	6	24	25	33	17	3–4
Northern Plains:															
Belgrade	1900	43	39	28	25	24	17	13	13	13	16	39	45	26	10–11
Osijek	1900	47	46	38	37	34	27	21	30	25	31	56	55	36	9–10
Pleso	1900	58	52	37	20	24	22	18	15	19	32	57	57	35	10–11
Slavonski Brod	1900	45	35	30	20	19	16	10	10	12	22	40	52	27	4–6
Interior Highlands:															
Banja Luka	1900	54	45	45	36	31	28	21	21	20	41	63	57	39	9–11
Kraljevo	1900	48	43	37	33	30	25	20	21	18	27	41	42	33	9–11
Ljubljana Airport	1900	58	43	38	32	36	19	19	15	25	36	66	67	37	10–11
Loznica	1900	51	46	40	25	35	32	26	14	24	20	56	51	36	3–8
Niš	1900	36	36	33	24	25	20	10	12	15	27	32	42	26	1–2
Peć	1900	57	14	52	47	45	36	18	31	32	49	59	54	41	2–4
Sarajevo	1900	53	45	40	38	35	28	23	17	19	34	54	58	37	8–11
Skopje	1900	60	37	40	26	23	15	7	5	15	25	47	54	30	9–11
Coast and Islands:															
Otok Palagruža	1900	14	21	14	10	7	6	2	3	7	9	17	18	11	5–7
Pula	1900	36	36	32	23	16	15	9	8	15	26	40	47	25	9–11
Split	1900	22	24	20	18	9	9	4	5	11	15	20	30	16	10–11
Titograd	1900	31	32	26	19	17	5	3	3	8	16	36	33	19	4–8
Ulcinj	1900	35	33	24	15	12	8	3	2	12	18	29	34	19	6–8
Zadar	1900	26	25	30	25	19	15	9	6	17	20	32	37	22	9–11

* Ceiling herein defined as ≤ 5-eighths cloud cover.

FIGURE 41. PERCENTAGE FREQUENCY OF CEILING* HEIGHT ≤ 983 FEET AT SPECIFIED HOURS

REGION AND STATION	HOUR (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YRS REC
Northern Plains:															
Belgrade	0100	15	12	7	2	3	1	**	1	**	2	12	17	6	10–11
Osijek	0100	2	2	1	1	1	0	0	0	1	0	1	4	1	6–8
Pleso	0100	10	6	2	**	1	1	0	0	1	3	10	17	6	9–11
Slavonski Brod	0100	4	0	0	0	1	1	1	0	1	1	4	5	2	5–6
Interior Highlands:															
Banja Luka	0100	20	14	8	5	4	2	1	1	1	6	18	21	8	9–10
Kraljevo	0100	6	3	1	0	0	0	**	0	**	1	3	5	2	9–11
Ljubljana Airport	0100	25	17	5	2	3	3	5	5	17	23	17	20	13	9–11
Loznica	0100	5	2	2	0	0	0	0	0	0	1	4	7	2	3–5
Niš	0100	1	4	0	0	0	0	0	0	0	0	3	3	1	1–2
Peć	0100	0	1	1	1	0	0	0	0	0	1	2	4	1	3–5
Sarajevo	0100	13	7	4	2	1	0	**	1	1	2	9	15	5	8–10
Skopje	0100	10	2	1	**	**	**	0	1	0	1	3	9	2	9–11
Coast and Islands:															
Pula	0100	3	7	6	1	1	**	**	**	2	**	3	3	2	8–10
Split	0100	0	1	1	0	0	**	0	0	0	0	1	0	**	10–11
Titograd	0100	2	1	1	1	0	0	1	0	1	0	1	1	1	5–8
Ulcinj	0100	1	1	0	0	0	0	0	0	1	0	2	0	**	5–8
Zadar	0100	0	2	1	0	0	0	0	0	0	1	**	**	**	7–10

* Ceiling herein is defined as ≤ 5-eighths cloud cover.

** <0.5%.

FIGURE 41 (*Continued*)

REGION AND STATION	HOUR (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YRS REC
Northern Plains:															
Belgrade	0700	20	17	9	5	7	4	3	4	3	5	17	25	10	10–11
Osijek	0700	4	1	1	1	**	0	0	**	1	**	5	2	1	9–30
Ploso	0700	23	12	4	4	4	2	3	2	7	15	24	21	10	9–11
Slavonski Brod	0700	3	6	2	0	1	0	0	2	2	5	7	6	3	3–6
Interior Highlands:															
Banja Luka	0700	10	18	13	5	4	5	2	1	6	14	24	10	11	9–11
Kraljevo	0700	10	5	3	3	1	1	1	1	2	7	5	11	4	9–11
Ljubljana Airport	0700	25	30	18	16	18	15	31	42	56	42	20	31	29	9–11
Loznica	0700	8	6	3	0	1	1	0	1	1	14	12	7	5	3–6
Niš	0700	2	5	0	0	0	0	0	0	0	0	2	4	1	1–2
Poš	0700	4	4	1	0	0	0	0	0	0	3	3	6	2	1–4
Sarajevo	0700	18	17	8	6	8	12	7	8	16	16	21	26	14	8–10
Skopje	0700	13	4	3	2	**	0	**	0	1	5	7	15	4	9–11
Coast and Islands:															
Otok Palagruža	0700	0	0	2	1	0	0	0	0	1	1	1	0	1	6–7
Pula	0700	4	8	4	1	**	1	0	**	2	2	2	3	2	9–11
Split	0700	0	**	1	2	**	0	0	0	0	1	**	0	**	9–11
Titograd	0700	1	4	3	1	1	0	0	0	0	1	0	2	1	3–8
Ulcinj	0700	**	1	**	0	0	0	0	0	0	0	0	0	**	0–7
Zadar	0700	1	2	1	0	1	0	0	0	**	1	1	0	1	9–10
Northern Plains:															
Belgrade	1300	16	11	6	5	4	**	3	2	**	4	15	19	7	10–11
Osijek	1300	1	1	1	**	**	**	0	**	0	**	1	3	1	9–11
Ploso	1300	16	8	5	2	2	1	**	**	1	5	15	20	5	9–11
Slavonski Brod	1300	2	1	0	0	1	0	0	0	1	1	2	5	1	5–7
Interior Highlands:															
Banja Luka	1300	15	12	6	4	4	1	2	1	2	4	5	18	8	8–10
Kraljevo	1300	4	2	1	0	0	0	0	**	**	0	1	5	1	9–11
Ljubljana Airport	1300	11	8	3	**	**	1	1	0	2	3	10	17	4	9–11
Loznica	1300	6	2	0	0	0	0	0	1	0	1	3	7	2	3–6
Niš	1300	0	3	0	2	3	0	0	0	0	0	0	2	1	1–2
Poš	1300	4	2	0	0	0	1	1	0	0	0	1	4	1	3–6
Sarajevo	1300	10	6	4	1	4	1	0	2	0	2	10	14	5	9–11
Skopje	1300	8	1	**	1	0	0	0	0	0	1	2	8	2	9–11
Coast and Islands:															
Otok Palagruža	1300	0	0	1	1	0	0	0	0	0	1	1	0	**	5–8
Pula	1300	2	2	2	1	1	1	1	0	1	**	3	3	1	9–11
Split	1300	**	**	**	**	0	0	0	0	1	0	**	**	**	10–11
Titograd	1300	4	7	3	1	1	0	1	0	1	2	2	3	2	4–7
Ulcinj	1300	**	0	0	1	0	0	1	0	0	0	1	**	**	6–9
Zadar	1300	1	1	0	0	**	0	**	0	1	0	**	**	**	9–11
Northern Plains:															
Belgrade	1600	11	7	8	1	2	2	2	1	0	0	15	18	6	3–4
Osijek	1600	3	1	0	0	0	0	0	0	0	0	0	1	**	3–4
Ploso	1600	15	3	3	1	2	0	0	1	1	1	14	13	5	3–4
Interior Highlands:															
Banja Luka	1600	2	2	0	0	1	0	0	1	0	1	2	5	1	3–4
Kraljevo	1600	2	0	0	2	0	0	0	0	0	0	3	3	1	3–4
Ljubljana Airport	1600	7	6	2	0	0	1	0	0	3	1	0	12	3	3–4
Loznica	1600	5	0	0	0	0	0	0	0	0	0	0	3	1	1–3
Sarajevo	1600	6	2	2	1	3	0	1	1	0	1	4	12	3	3–4
Skopje	1600	3	1	0	0	0	0	0	0	0	4	2	6	1	3–4
Coast and Islands:															
Otok Palagruža	1600	4	2	0	0	0	0	0	0	0	0	4	0	1	1–2
Pula	1600	3	5	4	1	0	1	1	0	0	0	4	2	2	3–4
Split	1600	1	0	0	0	0	0	0	0	0	0	1	0	**	3–4
Titograd	1600	4	0	5	0	0	0	0	0	2	2	1	1	1	1–3
Ulcinj	1600	0	0	2	0	0	0	0	0	0	0	0	0	**	1–2
Zadar	1600	1	0	0	0	0	0	0	0	0	0	0	0	**	3–4
Northern Plains:															
Belgrade	1900	13	9	7	2	2	1	1	1	1	4	13	18	6	10–11
Osijek	1900	1	2	0	**	1	1	0	0	0	0	2	4	1	9–10
Ploso	1900	14	4	2	2	1	**	1	**	1	3	14	10	5	10–11
Slavonski Brod	1900	2	3	0	0	0	1	1	0	1	0	1	4	1	4–6

FIGURE 41 (*Continued*)

REGION AND STATION	HOUR (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YRS REC
Interior Highlands:															
Banja Luka	1900	16	14	6	3	2	1	**	1	1	5	15	26	7	9-11
Kraljevo	1900	4	2	**	0	0	0	0	0	**	**	2	4	1	9-11
Ljubljana Airport	1900	12	4	3	**	1	0	0	0	2	2	10	18	4	10-11
Losnica	1900	7	1	0	1	2	0	0	1	0	1	3	5	2	3-8
Niš	1900	3	0	0	0	0	0	0	0	0	2	2	2	1	1-2
Peć	1900	3	0	0	0	0	0	0	0	0	0	1	5	1	2-4
Sarajevo	1900	7	4	3	1	2	**	0	1	1	3	4	12	3	8-11
Skopje	1900	0	2	2	1	**	**	0	0	**	1	2	7	2	9-11
Coast and Islands:															
Otok Palagruža	1900	1	1	1	0	0	1	0	0	0	1	1	1	1	5-7
Pula	1900	2	3	3	1	**	**	0	1	1	**	4	3	2	9-11
Split	1900	0	1	0	0	1	0	0	0	0	1	1	**	**	10-11
Titograd	1900	2	2	1	1	0	0	0	0	1	0	1	2	1	4-8
Ulcinj	1900	0	0	**	0	0	0	1	0	0	0	1	1	**	6-8
Zadar	1900	1	**	0	0	0	**	0	0	0	0	0	0	**	9-11

* Ceiling herein is defined as ≤5-eighths cloud cover.

** <0.5%.

FIGURE 42. MEAN NUMBER OF DAYS WITH LOW CLOUD AMOUNT ≤2-EIGHTHS AT SPECIFIED HOURS

REGION AND STATION	HOUR (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YRS REC
Northern Plains:															
Belgrade	0100	11	11	16	19	18	20	22	25	21	20	11	11	204	10-11
Osijek	0100	15	15	19	17	19	20	23	24	23	20	11	12	218	6-8
Ploso	0100	11	11	17	18	19	18	22	23	21	17	9	11	197	9-11
Slavonski Brod	0100	13	13	18	17	20	20	22	24	22	18	9	10	206	5-7
Interior Highlands:															
Banja Luka	0100	10	12	13	15	16	17	21	23	22	16	7	9	180	9-10
Kraljevo	0100	13	11	14	16	16	18	21	23	21	17	11	13	195	9-11
Ljubljana Airport	0100	6	10	15	14	16	15	18	19	15	7	5	5	144	9-11
Losnica	0100	10	12	17	20	18	19	24	26	22	18	12	13	219	3-5
Niš	0100	12	14	12	15	11	17	22	23	21	19	9	9	183	1-3
Peć	0100	10	11	16	13	15	19	24	22	19	15	9	10	182	3-5
Sarajevo	0100	9	9	13	16	17	16	20	22	20	15	8	8	174	9-10
Skopje	0100	8	12	13	15	16	21	23	25	22	17	10	10	192	9-11
Coast and Islands:															
Pula	0100	15	15	17	17	20	20	25	26	23	20	14	13	226	8-10
Split	0100	18	18	19	19	22	23	26	28	24	23	17	16	251	10-11
Titograd	0100	15	14	17	18	18	22	25	20	23	19	14	16	230	5-7
Ulcinj	0100	14	12	16	16	19	23	27	28	23	21	14	15	227	5-8
Zadar	0100	16	17	20	18	21	21	26	26	23	22	15	15	240	7-9
Northern Plains:															
Belgrade	0700	11	10	14	17	19	19	21	23	21	19	10	9	194	10-11
Osijek	0700	8	10	14	16	17	17	19	21	19	17	7	8	170	9-11
Ploso	0700	8	9	13	15	17	16	17	21	17	13	6	6	158	9-11
Slavonski Brod	0700	11	12	16	19	20	18	25	22	20	17	8	7	194	3-5
Interior Highlands:															
Banja Luka	0700	8	9	11	14	15	15	19	21	18	12	6	7	154	9-11
Kraljevo	0700	10	9	13	16	17	18	20	23	20	15	11	10	181	9-11
Ljubljana Airport	0700	5	4	9	10	10	11	10	7	5	3	3	3	79	9-11
Losnica	0700	12	10	17	20	19	18	22	25	21	14	10	12	190	3-6
Niš	0700	9	11	11	15	18	20	24	22	21	16	13	14	193	1-2
Peć	0700	7	9	15	12	13	18	21	24	18	16	10	8	160	1-4
Sarajevo	0700	5	7	11	14	13	14	17	18	15	10	5	5	134	9-11
Skopje	0700	6	8	10	15	16	20	24	25	19	14	6	6	169	9-11
Coast and Islands:															
Otok Palagruža	0700	15	14	15	18	22	21	27	27	23	18	13	14	226	5-7
Pula	0700	14	13	15	17	18	20	24	25	21	18	13	11	209	9-11
Split	0700	16	16	18	19	22	21	25	27	24	21	16	15	240	9-11
Titograd	0700	13	13	16	19	19	22	24	27	22	19	13	14	220	5-8
Ulcinj	0700	12	11	14	14	17	20	25	26	20	18	11	12	199	5-6
Zadar	0700	14	13	16	16	20	21	25	24	22	19	13	11	213	9-11

NOTE Low cloud herein is defined as the lowest cloud layer reported, excluding cirrus type clouds.

FIGURE 42 (*Continued*)

REGION AND STATION	HOUR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YRS REC
	(LST)														
Northern Plains:															
Belgrade	1300	12	12	16	13	13	17	19	22	21	19	12	11	185	10–11
Osijek	1300	12	11	14	12	12	12	18	20	18	16	9	10	162	9–11
Pleso	1300	12	12	15	15	14	13	18	20	17	15	9	8	164	10–11
Slavonski Brod	1300	12	14	17	14	15	14	17	19	18	18	10	10	177	5–7
Interior Highlands:															
Banja Luka	1300	11	10	11	12	11	12	16	19	18	13	8	9	149	8–10
Kraljevo	1300	12	12	15	13	13	13	18	20	20	16	13	13	177	9–11
Ljubljana Airport	1300	10	10	14	10	10	11	15	18	16	14	5	6	139	10–11
Loznica	1300	13	11	16	16	13	15	19	24	19	16	13	12	187	3–6
Niš	1300	12	13	17	16	15	16	17	24	22	18	12	11	185	1–2
Peć	1300	9	11	15	10	6	6	12	15	16	12	8	11	131	3–6
Sarajevo	1300	9	10	13	9	9	9	13	17	17	15	7	8	135	9–11
Skopje	1300	8	11	12	11	11	14	17	22	22	16	8	9	160	10–11
Coast and Islands:															
Otok Palagruža	1300	17	14	19	21	23	23	20	27	26	21	15	16	252	5–8
Pula	1300	16	16	18	19	21	21	25	25	21	17	14	12	226	9–11
Split	1300	19	17	20	19	20	23	25	27	24	20	15	15	243	10–11
Titograd	1300	16	15	17	16	15	17	20	20	21	19	13	14	208	6–7
Ulcinj	1300	14	12	17	18	19	23	26	26	21	19	13	13	220	6–8
Zadar	1300	16	15	19	19	20	22	25	26	23	19	14	13	231	9–11
Northern Plains:															
Belgrade	1600	12	9	17	16	17	20	20	24	21	20	13	10	198	3–4
Osijek	1600	9	9	11	11	11	12	13	21	18	16	6	6	144	3–4
Pleso	1600	9	10	10	13	17	17	19	24	20	17	7	10	172	3–4
Interior Highlands:															
Banja Luka	1600	10	10	9	12	12	12	15	21	16	14	7	7	145	3–4
Kraljevo	1600	14	10	13	14	12	13	16	24	19	17	16	12	170	3–4
Ljubljana Airport	1600	11	14	11	11	12	14	15	21	18	15	7	7	157	3–4
Loznica	1600	11	7	13	16	15	15	18	24	21	14	8	11	173	1–3
Sarajevo	1600	10	12	11	9	8	7	12	16	16	13	6	7	126	2–4
Skopje	1600	12	14	11	12	11	10	18	22	19	16	10	8	163	3–4
Coast and Islands:															
Otok Palagruža	1600	16	18	16	20	19	22	28	27	24	27	14	18	249	1–2
Pula	1600	15	16	17	20	22	23	21	27	21	19	10	12	219	3–4
Split	1600	19	18	18	17	22	21	24	27	24	15	15	15	230	3–4
Titograd	1600	16	19	14	14	16	16	18	26	21	19	11	10	190	1–3
Zadar	1600	16	19	17	22	22	24	26	28	23	19	15	13	244	3–4
Northern Plains:															
Belgrade	1900	12	12	16	15	18	19	21	23	22	20	12	12	201	10–11
Osijek	1900	13	12	16	13	15	16	20	21	21	18	10	10	185	9–11
Pleso	1900	12	11	14	16	17	18	20	22	21	17	9	10	188	10–11
Slavonski Brod	1900	12	15	17	15	19	18	23	33	20	17	11	10	301	4–6
Interior Highlands:															
Banja Luka	1900	10	12	12	12	15	16	20	21	19	16	8	9	169	9–11
Kraljevo	1900	12	12	14	15	14	16	19	21	21	18	12	14	188	10–11
Ljubljana Airport	1900	11	13	15	14	17	18	19	21	19	15	8	7	175	10–11
Loznica	1900	11	12	16	19	15	15	21	22	21	19	10	13	192	4–6
Niš	1900	11	16	14	15	13	16	23	23	22	18	13	12	194	1–3
Peć	1900	11	13	12	11	13	13	16	16	17	13	9	11	158	2–5
Sarajevo	1900	10	11	13	12	12	13	17	20	20	16	10	10	163	9–10
Skopje	1900	9	14	13	12	12	14	19	22	20	17	10	11	175	9–11
Coast and Islands:															
Otok Palagruža	1900	16	14	17	20	22	23	27	26	24	23	16	18	246	5–7
Pula	1900	17	15	17	19	23	22	25	26	25	21	15	13	235	9–11
Split	1900	18	16	19	20	22	23	27	28	23	23	17	16	251	10–11
Titograd	1900	16	15	17	16	15	19	22	26	22	19	13	15	214	6–8
Ulcinj	1900	14	12	16	16	17	22	26	37	22	21	15	15	223	7–8
Zadar	1900	18	16	18	18	21	22	26	26	23	21	15	15	238	9–11

NOTE: Low cloud herein is defined as the lowest cloud layer reported, excluding cirrus type clouds.

FIGURE 43. MEAN NUMBER OF DAYS WITH LOW CLOUD AMOUNT ≥6-EIGHTHS AT SPECIFIED HOURS

REGION AND STATION	HOUR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YRS REC
	(LST)														
Northern Plains:															
Belgrade	0100	18	15	12	9	10	7	6	4	7	9	16	19	132	10-11
Osijek	0100	13	12	10	9	10	9	6	5	5	9	16	16	119	6-8
Pleso	0100	18	15	12	9	9	9	7	5	7	12	19	19	141	9-11
Slavonski Brod	0100	16	13	11	9	9	8	6	5	5	9	19	20	128	5-7
Interior Highlands:															
Banja Luka	0100	19	15	15	12	12	11	8	7	7	14	21	20	162	9-10
Kraljevo	0100	16	15	15	11	11	9	7	6	7	11	16	16	139	9-11
Ljubljana Airport	0100	24	17	15	14	13	12	10	9	14	22	23	26	197	9-11
Lesnica	0100	18	14	13	8	10	8	4	3	6	11	17	19	127	3-5
Niš	0100	13	12	11	10	12	9	5	5	5	9	18	18	127	1-3
Poć	0100	17	14	13	12	12	8	4	7	8	12	18	18	144	3-5
Sarajevo	0100	20	16	15	12	12	10	9	7	8	14	20	20	163	9-10
Skopje	0100	20	12	15	10	10	6	4	4	7	12	17	20	139	9-11
Coast and Islands:															
Pula	0100	14	11	11	9	7	6	3	3	4	8	12	14	102	8-10
Split	0100	10	9	10	9	8	5	3	2	5	7	11	13	93	10-11
Titograd	0100	14	11	12	9	10	6	4	2	4	9	14	13	106	5-7
Ulcinj	0100	14	15	13	11	10	6	3	2	5	8	13	15	114	5-8
Zadar	0100	11	9	9	9	7	7	4	3	4	6	12	15	96	7-9
Northern Plains:															
Belgrade	0700	18	16	12	9	9	7	6	5	6	9	18	19	131	10-11
Osijek	0700	19	15	14	12	10	9	9	7	8	11	20	20	153	9-11
Pleso	0700	21	16	14	11	10	8	8	7	9	15	21	21	160	9-11
Slavonski Brod	0700	18	15	13	9	9	9	3	6	7	12	19	22	142	3-5
Interior Highlands:															
Banja Luka	0700	21	17	17	13	12	11	8	7	9	15	20	21	171	9-11
Kraljevo	0700	18	16	14	9	9	7	7	6	6	12	15	17	135	9-11
Ljubljana Airport	0700	25	21	18	16	15	13	16	20	23	25	26	28	244	9-11
Lesnica	0700	18	16	12	8	9	9	6	4	6	13	18	18	137	3-6
Niš	0700	14	13	11	8	10	8	4	3	4	8	11	13	106	1-2
Poć	0700	21	17	15	14	13	7	5	4	8	12	18	21	154	1-4
Sarajevo	0700	22	17	16	12	14	12	10	11	12	19	21	23	187	9-11
Skopje	0700	21	15	16	11	9	5	4	3	6	13	21	22	144	9-11
Coast and Islands:															
Otok Palagruža	0700	5	5	4	4	2	2	1	1	2	4	7	4	42	5-7
Pula	0700	13	12	11	9	7	6	3	4	5	8	12	15	105	9-11
Split	0700	11	10	11	8	7	6	4	2	4	7	11	12	92	9-11
Titograd	0700	15	12	11	8	7	4	4	2	5	9	14	13	104	5-8
Ulcinj	0700	15	15	14	11	11	5	4	3	7	10	15	16	126	6-9
Zadar	0700	14	11	10	9	7	6	3	4	6	9	12	16	105	9-11
Northern Plains:															
Belgrade	1300	16	13	10	10	8	6	6	4	4	8	14	17	115	10-11
Osijek	1300	16	14	13	13	12	9	8	7	7	10	19	18	144	9-11
Pleso	1300	17	12	11	11	9	7	6	4	7	9	18	19	130	10-11
Slavonski Brod	1300	15	10	9	10	10	9	6	6	6	10	17	18	126	5-7
Interior Highlands:															
Banja Luka	1300	18	14	15	14	15	11	9	7	8	12	19	18	156	8-10
Kraljevo	1300	16	12	11	9	9	8	6	5	5	9	13	14	118	9-11
Ljubljana Airport	1300	18	13	12	10	8	7	5	4	8	10	20	20	134	10-11
Lesnica	1300	16	14	11	10	11	8	6	4	6	11	14	17	127	3-6
Niš	1300	15	12	10	12	7	6	5	3	5	7	10	15	107	1-2
Poć	1300	18	13	11	12	10	9	11	8	9	13	18	17	154	3-6
Sarajevo	1300	16	14	12	12	12	9	7	5	6	11	18	18	141	9-11
Skopje	1300	18	11	13	11	8	6	4	3	4	8	15	17	117	10-11
Coast and Islands:															
Otok Palagruža	1300	5	5	3	2	3	2	*	1	2	2	6	5	36	5-8
Pula	1300	11	9	9	7	5	4	2	2	3	8	10	14	83	9-11
Split	1300	10	9	9	8	6	4	3	2	3	7	10	13	85	10-11
Titograd	1300	13	11	8	9	8	5	4	1	5	9	14	14	99	6-7
Ulcinj	1300	15	14	12	10	8	5	3	2	5	9	14	15	100	6-8
Zadar	1300	9	7	7	7	5	3	3	3	4	7	11	13	77	9-11

NOTE Low cloud herein is defined as the lowest cloud layer reported, excluding cirrus type clouds.

* <0.5 day.

FIGURE 43 (*Continued*)

REGION AND STATION	HOUR (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YRS REC
Northern Plains:															
Belgrade	1600	15	14	9	8	7	5	5	3	6	7	13	15	108	3–4
Osijek	1600	19	15	15	11	11	9	11	7	9	12	19	21	160	3–4
Pleso	1600	17	13	14	8	7	4	6	3	5	9	19	18	122	3–4
Interior Highlands:															
Banja Luka	1600	16	15	17	12	9	8	10	6	9	10	16	16	143	3–4
Kraljevo	1600	15	16	12	9	9	9	10	3	5	9	19	15	121	3–4
Ljubljana Airport	1600	16	11	12	8	6	5	4	3	6	8	15	18	113	3–4
Lesnica	1600	16	19	13	7	11	10	8	6	8	11	16	18	142	1–2
Sarajevo	1600	17	13	15	14	12	10	9	6	6	13	19	18	151	2–4
Skopje	1600	14	10	14	7	9	7	5	2	5	7	12	17	108	3–4
Coast and Islands:															
Otok Palagruža	1600	9	7	8	5	6	2	2	1	5	1	12	12	68	1–2
Pula	1600	10	7	9	5	4	2	5	2	4	7	13	11	78	3–4
Split	1600	10	8	11	8	7	5	3	2	4	8	12	12	90	3–4
Titograd	1600	12	5	11	9	8	5	4	2	3	9	17	16	100	1–3
Zadar	1600	11	7	8	5	4	3	2	2	5	9	8	12	74	3–4
Northern Plains:															
Belgrade	1900	17	14	11	9	7	6	5	4	6	8	16	17	119	10–11
Osijek	1900	16	14	13	11	11	7	6	6	8	10	17	18	136	9–11
Pleso	1900	17	13	13	9	8	6	5	4	7	10	18	19	128	10–11
Slavonski Brod	1900	16	11	11	11	8	7	5	4	5	10	16	18	120	4–6
Interior Highlands:															
Banja Luka	1900	19	14	16	12	11	10	7	6	7	13	20	20	155	9–11
Kraljevo	1900	17	14	13	10	9	7	6	6	6	10	14	15	126	10–11
Ljubljana Airport	1900	19	13	13	9	6	5	5	4	8	12	21	22	135	10–11
Lesnica	1900	17	15	13	6	11	7	7	4	8	9	18	17	132	4–6
Niš	1900	15	10	10	8	6	7	5	5	4	10	11	14	104	1–3
Peć	1900	18	14	15	13	11	9	4	8	8	14	17	16	140	2–5
Sarajevo	1900	17	14	14	13	12	9	7	6	7	12	17	18	140	9–10
Skopje	1900	19	12	14	10	10	7	5	3	7	10	15	18	120	9–11
Coast and Islands:															
Otok Palagruža	1900	5	5	4	3	3	2	1	1	3	3	6	5	40	5–7
Pula	1900	11	11	10	7	4	4	3	2	5	8	12	15	92	9–11
Split	1900	10	9	9	7	6	4	3	2	5	6	12	13	86	10–11
Titograd	1900	14	12	11	9	10	5	3	2	4	8	14	14	104	6–8
Ulcinj	1900	15	14	13	9	8	5	2	2	6	8	13	14	109	7–8
Zadar	1900	10	9	9	8	5	4	2	2	5	7	9	12	83	9–11

NOTE Low cloud herein is defined as the lowest cloud layer reported, excluding cirrus type clouds.

FIGURE 44. PERCENTAGE FREQUENCY OF VISIBILITY <1½ MILES AT SPECIFIED HOURS

REGION AND STATION	HOUR (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YRS REC
Northern Plains:															
Belgrade	0100	17	10	4	0	1	0	*	1	0	3	8	15	5	10–11
Osijek	0100	6	4	2	1	0	1	0	1	1	4	5	7	3	6–8
Pleso	0100	26	14	4	1	2	1	*	2	2	10	17	20	9	9–11
Slavonski Brod	0100	14	10	1	1	1	1	1	0	3	7	10	20	6	5–6
Interior Highlands:															
Banja Luka	0100	22	13	8	3	1	1	1	1	4	13	19	24	9	9–10
Kraljevo	0100	13	8	2	0	1	1	2	1	1	3	7	12	4	9–11
Ljubljana Airport	0100	46	37	15	6	11	4	9	20	38	36	28	43	24	9–11
Lesnica	0100	5	4	5	0	1	0	0	0	0	1	4	10	3	3–5
Niš	0100	3	2	0	0	0	0	0	0	0	2	0	5	1	1–2
Peć	0100	1	2	2	0	0	0	0	0	0	1	1	3	1	3–5
Sarajevo	0100	21	12	2	1	0	1	*	*	2	5	8	24	6	8–10
Skopje	0100	25	11	5	*	1	*	0	*	1	17	19	20	9	9–11
Coast and Islands:															
Pula	0100	4	8	4	1	1	*	0	0	*	1	1	4	2	8–10
Split	0100	*	0	1	0	0	0	0	*	0	0	*	*	*	10–11
Titograd	0100	3	5	1	0	0	0	0	1	0	*	0	2	1	5–8
Ulcinj	0100	0	0	1	0	1	0	1	0	3	0	0	1	1	5–8
Zadar	0100	0	3	1	0	0	0	0	*	*	1	*	1	1	7–10

* <0.5%.

FIGURE 44 (*Continued*)

REGION AND STATION	HOUR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YRS REC
	(LST)														
Northern Plains:															
Belgrade	0700	21	30	11	2	1	1	1	1	4	12	22	25	11	10-11
Osijek	0700	10	6	3	2	0	*	0	1	2	10	13	10	5	9-10
Ploso	0700	25	25	10	2	2	2	3	5	10	27	27	28	14	9-11
Slavonski Brod	0700	18	23	6	2	1	1	2	6	9	24	19	25	11	3-5
Interior Highlands:															
Banja Luka	0700	28	25	18	6	5	2	1	2	8	25	31	25	15	9-11
Kraljevo	0700	10	14	7	4	1	1	2	2	6	21	14	10	9	9-11
Ljubljana Airport	0700	44	48	38	25	25	20	35	54	65	54	42	40	41	9-11
Loznica	0700	7	12	8	2	0	1	0	1	4	15	14	11	6	3-6
Niš	0700	5	9	3	0	0	0	0	3	0	4	6	5	3	1-2
Poć	0700	5	6	3	0	0	0	0	0	0	2	3	8	2	1-4
Sarajevo	0700	27	26	11	6	7	9	6	11	27	29	23	28	18	8-10
Skopje	0700	35	34	17	2	*	1	*	*	5	32	33	45	17	9-11
Coast and Islands:															
Otok Palagruža	0700	1	0	5	2	1	1	1	0	4	2	1	0	2	5-7
Pula	0700	5	11	6	2	0	0	0	0	2	2	5	4	3	9-11
Split	0700	1	1	1	1	0	*	*	*	1	1	1	*	1	9-11
Titograd	0700	5	8	3	0	0	0	0	0	0	1	2	2	2	3-8
Ulcinj	0700	1	1	2	1	2	0	1	0	3	0	1	0	1	6-7
Zadar	0700	1	3	2	0	*	*	*	*	1	1	2	1	1	9-10
Northern Plains:															
Belgrade	1300	18	10	3	*	0	0	0	0	0	1	3	14	4	10-11
Osijek	1300	6	2	1	0	0	0	*	0	0	*	2	8	2	9-11
Ploso	1300	15	10	3	*	0	0	0	0	0	2	8	18	5	9-11
Slavonski Brod	1300	7	1	2	0	0	0	0	1	1	0	2	11	2	5-7
Interior Highlands:															
Banja Luka	1300	15	10	5	*	2	1	1	*	*	3	10	20	6	8-10
Kraljevo	1300	9	4	3	*	0	0	*	0	0	0	*	9	2	9-11
Ljubljana Airport	1300	32	23	4	0	*	0	1	0	0	4	16	33	9	9-11
Loznica	1300	8	8	2	0	1	0	0	0	0	1	1	8	2	5-5
Niš	1300	2	3	0	0	0	0	0	0	0	0	0	4	1	1-2
Poć	1300	3	4	1	0	0	0	0	0	0	0	1	4	1	3-6
Sarajevo	1300	13	6	4	*	1	0	0	*	0	1	5	15	4	9-11
Skopje	1300	23	11	1	0	0	0	*	0	0	1	6	23	5	9-11
Coast and Islands:															
Otok Palagruža	1300	1	1	2	1	1	0	0	0	1	1	2	1	1	5-8
Pula	1300	4	4	1	*	0	0	*	0	0	0	1	2	1	9-11
Split	1300	*	1	*	*	0	0	0	0	0	*	0	0	*	10-11
Titograd	1300	2	7	1	0	0	0	0	1	0	0	1	2	1	4-7
Ulcinj	1300	*	0	0	*	0	0	*	0	1	0	0	0	*	6-9
Zadar	1300	1	2	1	*	0	0	0	0	0	0	*	*	*	9-11
Northern Plains:															
Belgrade	1600	11	5	4	0	0	0	0	0	0	0	2	17	3	3-4
Osijek	1600	9	0	1	0	0	0	0	0	0	0	0	8	2	3-4
Ploso	1600	18	3	2	0	0	0	1	0	1	1	8	18	4	3-4
Interior Highlands:															
Banja Luka	1600	7	4	2	0	1	0	0	1	0	2	6	12	3	3-4
Kraljevo	1600	4	3	1	0	0	0	0	0	0	1	0	9	2	3-4
Ljubljana Airport	1600	26	13	3	0	0	0	0	0	1	2	15	34	8	3-4
Loznica	1600	10	4	7	0	0	0	0	0	0	1	4	9	3	1-3
Sarajevo	1600	9	5	4	0	1	0	0	0	0	0	1	11	3	2-4
Skopje	1600	17	7	0	0	0	0	0	0	0	3	8	25	5	3-4
Coast and Islands:															
Otok Palagruža	1600	4	4	2	3	0	0	2	0	0	0	4	5	2	1-2
Pula	1600	3	3	1	0	0	0	0	0	0	0	2	3	1	3-4
Split	1600	2	0	1	0	0	0	0	0	0	0	0	0	*	3-4
Titograd	1600	2	2	1	0	0	0	0	0	0	0	0	4	1	1-3
Ulcinj	1600	2	0	0	0	0	0	0	0	0	0	0	0	*	1-2
Zadar	1600	1	0	0	0	0	0	0	0	0	0	0	0	*	3-4

FIGURE 44 (*Continued*)

REGION AND STATION	HOUR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YRS REC
	(LST)														
Northern Plains:															
Belgrade	1900	12	6	3	1	1	0	0	*	0	2	4	14	4	10–11
Osijek	1900	7	2	*	0	0	0	0	0	*	0	3	7	2	9–10
Pleso	1900	19	9	3	*	*	*	0	0	1	2	11	24	6	10–11
Slavonski Brod	1900	7	5	1	0	0	0	0	0	0	0	4	13	3	4–6
Interior Highlands:															
Banja Luka	1900	17	10	4	1	1	*	*	*	*	4	12	21	6	9–11
Kraljevo	1900	8	6	2	0	0	0	0	0	0	*	3	10	2	9–11
Ljubljana Airport	1900	33	21	5	1	*	0	*	0	0	6	18	35	10	10–11
Lesnica	1900	5	5	4	0	0	0	1	0	1	1	4	7	2	3–8
Niš	1900	0	3	2	0	0	0	0	0	0	0	0	4	1	1–2
Poš	1900	4	4	0	0	0	0	1	0	0	0	2	4	1	2–4
Sarajevo	1900	10	3	4	0	*	0	0	0	0	1	3	14	3	8–11
Skopje	1900	17	6	2	0	0	0	*	0	0	1	6	22	5	9–11
Coast and Islands:															
Otok Palagruža	1900	2	2	2	1	0	0	0	0	1	0	2	0	1	5–7
Pula	1900	3	5	3	1	*	0	0	0	*	*	2	3	1	9–11
Split	1900	1	0	0	0	0	*	0	0	0	0	1	0	*	10–11
Titograd	1900	2	3	*	1	1	0	0	0	1	0	1	4	1	4–8
Ulcinj	1900	0	1	*	0	0	0	0	0	0	0	0	*	*	6–8
Zadar	1900	*	1	1	0	0	0	0	0	1	*	*	0	*	9–11

* <0.5%.

FIGURE 45. PERCENTAGE FREQUENCY OF VISIBILITY <2¼ MILES AT SPECIFIED HOURS

REGION AND STATION	HOUR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YRS REC
	(LST)														
Northern Plains:															
Belgrade	0100	24	19	9	1	2	1	*	1	*	6	14	21	8	10–11
Osijek	0100	7	8	5	1	1	1	1	1	2	4	8	9	4	6–8
Pleso	0100	41	20	10	2	3	3	1	2	4	15	20	37	15	9–11
Slavonski Brod	0100	22	20	4	1	1	1	1	1	5	10	20	33	10	5–6
Interior Highlands:															
Banja Luka	0100	44	33	19	11	6	5	3	2	8	23	30	47	20	9–10
Kraljevo	0100	21	12	5	*	1	1	3	1	2	5	11	21	7	9–11
Ljubljana Airport	0100	62	51	33	10	21	14	16	33	50	49	51	58	38	9–11
Lesnica	0100	16	12	8	1	2	1	0	2	0	2	8	17	6	3–5
Niš	0100	7	4	2	0	0	2	0	0	0	2	0	10	2	1–2
Poš	0100	4	0	2	0	1	0	0	0	0	1	1	3	2	3–5
Sarajevo	0100	34	27	9	3	1	1	2	1	3	7	14	34	12	8–10
Skopje	0100	34	20	5	*	1	*	0	*	1	21	24	35	12	9–11
Coast and Islands:															
Pula	0100	10	14	9	3	1	1	0	1	3	2	6	11	5	8–10
Split	0100	*	*	1	0	*	*	0	1	*	0	*	1	*	10–11
Titograd	0100	5	8	2	0	0	0	1	1	0	*	1	5	2	5–8
Ulcinj	0100	0	3	2	0	1	0	1	0	3	0	3	1	1	5–8
Zadar	0100	1	3	1	0	*	0	0	1	*	2	1	2	1	7–10
Northern Plains:															
Belgrade	0700	39	48	26	9	5	3	4	7	14	26	38	45	22	10–11
Osijek	0700	12	10	6	3	1	1	1	1	5	14	16	13	7	9–10
Pleso	0700	42	38	17	6	3	3	7	8	17	34	38	39	21	9–11
Slavonski Brod	0700	31	38	11	9	1	6	5	11	16	27	35	38	19	3–5
Interior Highlands:															
Banja Luka	0700	47	42	34	16	10	8	4	6	13	35	51	43	26	9–11
Kraljevo	0700	27	23	13	6	4	2	3	4	9	27	23	28	14	9–11
Ljubljana Airport	0700	62	64	48	32	35	33	50	60	75	63	58	59	53	9–11
Lesnica	0700	16	20	13	2	3	3	2	2	6	19	20	21	11	3–6
Niš	0700	7	23	12	4	0	0	0	3	0	6	12	18	7	1–2
Poš	0700	10	12	3	0	0	2	0	1	1	4	6	13	4	1–4
Sarajevo	0700	43	41	21	8	15	15	12	15	30	36	33	42	26	8–10
Skopje	0700	45	44	20	7	1	2	1	2	9	41	42	55	23	9–11

* <0.5%.

FIGURE 45 (*Continued*)

REGION AND STATION	HOUR (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YRS REC
Coast and Islands:															
Otok Palagruža	0700	1	2	6	3	3	3	3	2	5	3	3	1	3	5-7
Pula	0700	11	17	8	4	1	0	0	0	4	4	9	13	6	9-11
Split	0700	1	2	2	2	*	1	*	1	2	1	1	1	1	9-11
Titograd	0700	8	13	5	1	0	1	1	0	0	1	4	6	3	3-8
Ulcinj	0700	1	2	2	1	3	1	2	3	4	1	1	0	2	6-7
Zadar	0700	2	5	4	*	1	*	*	1	3	4	3	2	2	9-10
Northern Plains:															
Belgrade	1300	33	24	10	1	1	1	1	*	*	2	13	32	10	10-11
Osijek	1300	8	5	1	0	*	0	1	0	*	1	4	10	3	9-11
Ploso	1300	34	23	8	1	0	0	*	*	2	5	10	30	10	9-11
Slavonski Brod	1300	22	2	4	0	1	1	1	1	1	2	9	28	6	5-7
Interior Highlands:															
Banja Luka	1300	31	23	14	5	5	1	2	2	3	8	25	32	13	8-10
Kraljevo	1300	16	10	6	1	0	0	*	0	0	2	4	17	5	9-11
Ljubljana Airport	1300	50	40	14	3	1	1	1	0	5	10	33	51	17	9-11
Lesnica	1300	18	14	6	0	3	1	0	1	0	3	7	19	6	3-5
Niš	1300	2	5	0	0	0	0	0	4	0	0	2	19	3	1-2
Pod	1300	7	7	2	0	0	0	0	0	0	0	3	7	2	3-6
Sarajevo	1300	32	19	7	*	2	0	0	*	1	4	14	32	9	9-11
Skopje	1300	33	25	5	0	0	0	1	0	*	3	16	36	10	9-11
Coast and Islands:															
Otok Palagruža	1300	2	1	5	2	2	2	1	1	3	2	2	2	2	5-8
Pula	1300	9	6	2	1	0	*	*	*	*	*	6	7	3	9-11
Split	1300	1	2	3	*	*	0	*	0	0	1	1	1	1	10-11
Titograd	1300	8	12	2	1	0	1	0	1	1	2	4	5	3	4-7
Ulcinj	1300	1	1	*	*	0	0	*	0	1	0	1	*	*	6-9
Zadar	1300	1	2	1	*	*	0	0	*	*	*	1	2	1	9-11
Northern Plains:															
Belgrade	1600	28	14	[illegible]	0	0	0	0	0	0	1	17	34	9	3-4
Osijek	1600	9	0	1	0	0	0	0	0	0	1	0	9	2	3-4
Ploso	1600	31	9	4	2	2	1	1	0	1	1	14	32	8	3-4
Interior Highlands:															
Banja Luka	1600	18	8	12	1	3	2	2	1	0	5	17	32	8	3-4
Kraljevo	1600	8	7	2	0	0	0	0	0	0	1	5	22	4	3-4
Ljubljana Airport	1600	43	23	9	3	0	3	1	2	4	4	20	51	14	3-4
Lesnica	1600	18	15	10	0	4	0	0	0	0	5	6	18	6	1-3
Sarajevo	1600	27	22	6	0	1	0	1	0	1	0	9	32	8	2-4
Skopje	1600	30	22	3	0	1	1	0	1	0	5	19	44	11	3-4
Coast and Islands:															
Otok Palagruža	1600	4	6	4	6	0	0	7	4	4	0	4	5	4	1-2
Pula	1600	4	10	4	0	0	1	1	0	1	0	3	8	3	3-4
Split	1600	3	0	3	0	0	0	0	0	0	0	2	1	1	3-4
Titograd	1600	2	3	4	1	0	0	0	0	0	1	5	6	2	1-3
Ulcinj	1600	2	0	0	0	0	0	0	0	0	4	0	4	1	1-2
Zadar	1600	1	1	0	0	0	0	0	0	0	0	0	0	*	3-4
Northern Plains:															
Belgrade	1900	27	21	7	1	2	1	0	1	0	4	14	27	9	10-11
Osijek	1900	8	7	2	0	*	*	0	0	1	1	4	8	3	9-10
Ploso	1900	36	23	10	2	1	1	*	0	3	5	23	40	12	10-11
Slavonski Brod	1900	20	17	3	0	0	1	1	0	0	4	11	25	7	4-6

FIGURE 45 (*Continued*)

REGION AND STATION	HOUR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YRS REC
	(LST)														
Interior Highlands:															
Banja Luka	1000	36	26	14	5	5	2	1	2	3	11	27	41	14	9–11
Kraljevo	1000	16	12	5	1	*	0	0	0	*	2	6	10	5	9–11
Ljubljana Airport	1000	54	40	16	3	1	*	1	0	4	17	41	54	19	10–11
Loznica	1000	12	13	8	1	1	1	2	1	1	3	7	18	6	3–8
Niš	1000	2	8	4	0	0	0	0	0	0	0	5	11	3	1–2
Peć	1000	12	8	1	0	0	0	3	0	0	1	2	6	3	2–4
Sarajevo	1000	21	13	10	1	1	0	0	*	1	4	10	20	8	8–11
Skopje	1000	27	15	3	*	0	*	*	0	0	3	13	32	8	9–11
Coast and Islands:															
Otok Palagruža	1000	4	5	4	1	1	1	1	1	4	2	4	2	3	5–7
Pula	1000	10	12	5	1	1	1	*	0	1	2	7	14	5	9–11
Split	1000	1	1	1	*	1	*	*	0	0	*	1	1	1	10–11
Titograd	1000	7	7	1	2	1	0	0	0	1	0	3	8	2	4–8
Ulcinj	1000	2	1	1	0	0	0	0	1	0	*	0	1	1	6–8
Zadar	1000	1	2	1	0	*	0	0	0	1	1	1	1	1	9–11

* <0.5%.

FIGURE 46. PERCENTAGE FREQUENCY OF VISIBILITY <6 MILES AT SPECIFIED HOURS

REGION AND STATION	HOUR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YRS REC
	(LST)														
Northern Plains:															
Belgrade	0100	52	43	19	6	11	6	5	6	5	19	36	45	21	10–11
Osijek	0100	13	12	9	4	1	2	1	2	3	7	11	17	7	6–8
Ploso	0100	59	54	28	13	13	13	9	13	16	35	55	58	31	9–11
Slavonski Brod	0100	44	39	10	5	5	7	7	5	10	19	35	50	20	5–6
Interior Highlands:															
Banja Luka	0100	64	52	38	24	17	16	11	9	15	42	64	68	35	9–10
Kraljevo	0100	40	33	15	10	9	4	8	4	6	15	22	36	17	9–11
Ljubljana Airport	0100	70	74	66	46	44	43	46	58	73	73	76	83	63	9–11
Loznica	0100	28	25	15	4	6	4	0	2	3	8	15	33	12	3–5
Niš	0100	21	13	15	4	5	4	0	0	2	12	9	35	10	1–2
Peć	0100	23	22	4	4	6	1	2	3	2	7	21	23	10	3–5
Sarajevo	0100	57	47	20	10	11	8	7	6	8	20	41	51	24	8–10
Skopje	0100	52	37	16	4	3	3	*	2	5	33	45	51	21	9–11
Coast and Islands:															
Pula	0100	27	30	23	11	6	4	1	2	8	13	20	28	14	8–10
Split	0100	5	8	11	4	4	4	2	2	4	5	5	7	5	10–11
Titograd	0100	13	14	9	4	1	1	1	1	1	2	7	15	6	5–8
Ulcinj	0100	4	9	7	3	3	1	2	2	5	2	7	7	4	5–8
Zadar	0100	5	8	4	2	*	1	0	1	3	4	5	3	3	7–10
Northern Plains:															
Belgrade	0700	66	73	49	28	22	17	20	30	37	46	56	62	42	10–11
Osijek	0700	19	22	15	6	3	4	3	4	8	20	25	19	12	9–10
Ploso	0700	61	58	41	20	14	16	17	27	34	42	63	62	38	9–11
Slavonski Brod	0700	50	51	24	10	12	18	13	22	24	43	54	58	32	3–5
Interior Highlands:															
Banja Luka	0700	64	59	54	29	25	22	13	16	24	59	73	68	42	9–11
Kraljevo	0700	49	46	27	15	14	14	11	12	19	41	41	47	28	9–11
Ljubljana Airport	0700	83	82	68	48	53	58	65	74	84	79	80	80	71	9–11
Loznica	0700	32	30	28	4	12	5	7	6	11	24	27	43	20	3–6
Niš	0700	37	38	34	25	5	4	12	11	5	27	35	42	24	1–2
Peć	0700	23	25	8	6	2	2	0	2	3	16	18	26	11	1–4
Sarajevo	0700	64	58	36	23	34	34	32	38	41	53	55	62	44	8–10
Skopje	0700	62	66	47	34	12	11	13	16	30	60	60	69	40	9–11
Coast and Islands:															
Otok Palagruža	0700	5	9	17	12	16	14	23	12	18	16	10	4	13	5–7
Pula	0700	22	28	22	15	7	2	2	5	13	14	10	27	15	9–11
Split	0700	4	9	15	12	12	13	9	9	11	8	5	8	10	9–11
Titograd	0700	16	22	11	5	2	2	1	1	1	5	11	17	8	3–8
Ulcinj	0700	6	6	6	3	7	2	2	4	8	3	7	3	5	6–7
Zadar	0700	4	11	7	2	3	*	*	2	7	8	5	3	4	9–10

* <0.5%.

FIGURE 46 (*Continued*)

REGION AND STATION	HOUR (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YRS REC
Northern Plains:															
Belgrade	1300	56	51	19	6	7	2	1	3	2	11	37	52	21	10-11
Osijek	1300	18	16	9	1	2	1	1	1	1	3	13	19	7	9-11
Pleso	1300	57	48	27	8	4	3	2	3	9	23	49	53	24	9-11
Slavonski Brod	1300	38	15	11	3	3	3	1	4	3	7	26	43	13	5-7
Interior Highlands:															
Banja Luka	1300	51	48	28	16	13	8	8	5	7	25	52	58	27	8-10
Kraljevo	1300	37	29	15	5	5	1	3	2	2	8	17	34	13	9-11
Ljubljana Airport	1300	66	66	30	11	5	6	5	4	17	33	56	70	31	9-11
Lounica	1300	30	31	12	3	4	2	1	2	1	8	17	34	12	3-5
Nis	1300	31	26	12	5	0	2	0	5	4	10	10	42	12	1-2
Pec	1300	23	10	3	2	3	0	1	1	4	7	12	10	8	3-6
Sarajevo	1300	57	50	17	6	7	4	1	3	3	14	40	54	21	9-11
Skopje	1300	56	49	17	4	1	1	2	2	3	14	40	60	21	9-11
Coast and Islands:															
Otok Palagruža	1300	7	11	11	11	17	12	20	7	16	11	10	9	12	5-8
Pula	1300	23	23	14	6	2	2	1	2	5	9	14	22	10	9-11
Split	1300	7	8	8	4	2	2	2	2	3	4	6	8	5	10-11
Titograd	1300	17	22	12	4	2	1	0	1	2	6	13	17	8	4-7
Ulcinj	1300	5	4	6	3	3	1	*	1	2	3	3	4	3	6-9
Zadar	1300	3	0	4	1	*	0	*	*	1	2	3	4	2	9-11
Northern Plains:															
Belgrade	1600	56	47	19	3	5	0	1	1	0	3	33	52	18	3-4
Osijek	1600	17	3	8	0	1	1	0	0	0	3	4	17	5	3-4
Pleso	1600	53	45	26	6	4	3	3	2	8	18	45	58	23	3-4
Interior Highlands:															
Banja Luka	1600	39	33	25	13	12	2	7	3	7	14	44	57	21	3-4
Kraljevo	1600	25	25	0	3	5	1	2	1	0	3	14	40	11	3-4
Ljubljana Airport	1600	63	42	26	0	3	5	2	3	11	27	54	67	26	3-4
Lounica	1600	33	27	15	5	5	0	2	0	0	5	13	39	12	1-3
Sarajevo	1600	52	52	18	7	6	4	3	1	6	8	34	60	20	2-4
Skopje	1600	50	46	14	4	3	2	4	4	2	0	38	70	21	3-4
Coast and Islands:															
Otok Palagruža	1600	14	17	24	18	17	14	26	20	17	17	8	14	17	1-2
Pula	1600	26	27	19	6	1	4	2	5	4	11	17	23	12	3-4
Split	1600	0	5	0	3	4	3	1	1	0	4	4	9	3	3-4
Titograd	1600	5	5	17	4	1	0	0	0	0	1	18	12	5	1-3
Ulcinj	1600	4	0	5	5	0	5	0	0	4	4	0	11	3	1-2
Zadar	1600	5	6	4	0	0	1	0	0	0	0	2	2	2	3-4
Northern Plains:															
Belgrade	1900	57	53	24	9	9	3	2	4	4	17	41	54	23	10-11
Osijek	1900	14	14	8	1	3	1	*	0	2	2	8	16	6	9-10
Pleso	1900	58	45	25	8	6	4	2	1	10	26	51	60	25	10-11
Slavonski Brod	1900	41	32	8	5	5	4	1	1	4	8	32	40	16	4-6
Interior Highlands:															
Banja Luka	1900	57	45	29	18	13	8	6	3	9	25	55	62	28	9-11
Kraljevo	1900	38	31	13	7	5	2	1	2	3	7	17	36	14	9-11
Ljubljana Airport	1900	74	59	35	9	6	3	2	3	18	40	63	76	32	10-11
Lounica	1900	31	23	11	4	7	1	4	1	4	5	17	36	12	3-8
Nis	1900	33	28	20	5	3	0	0	2	4	10	17	26	12	1-2
Pec	1900	27	21	4	3	1	0	3	1	4	6	16	22	9	3-4
Sarajevo	1900	40	38	18	5	9	2	2	2	4	14	34	50	19	8-11
Skopje	1900	40	33	14	3	1	4	1	1	2	12	31	53	17	9-11
Coast and Islands:															
Otok Palagruža	1900	8	14	14	11	17	10	14	10	15	16	11	6	12	5-7
Pula	1900	27	30	17	9	3	2	1	1	7	13	20	31	13	9-11
Split	1900	4	9	8	3	3	2	2	1	3	4	5	7	4	10-11
Titograd	1900	16	15	6	5	3	1	0	0	2	3	12	16	7	4-8
Ulcinj	1900	7	5	3	2	3	0	0	1	1	4	5	7	3	6-8
Zadar	1900	4	7	3	1	1	0	0	*	1	4	4	4	2	9-11

* <0.5%.

FIGURE 47. MEAN NUMBER OF DAYS WITH FOG

REGION AND STATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YRS REC
Northern Plains:														
Belgrade	11	7	5	2	1	*	*	1	3	7	10	12	60	16
Bosanski Novi	7	7	6	5	4	5	8	12	11	14	8	8	94	19
Zagreb	10	7	5	*	*	0	1	3	4	9	6	12	57	5
Interior Highlands:														
Bitola	3	2	1	0	0	0	0	0	0	0	1	5	11	2
Bosanski Petrovac	2	2	1	1	1	1	1	1	2	3	2	4	20	19
Bosansko Grahovo	4	2	3	3	4	3	3	3	6	6	6	5	46	19
Kruševac	1	1	1	2	1	1	0	0	1	2	2	3	14	6
Mlinište	5	5	5	6	7	7	7	8	7	8	7	7	70	16
Niš	8	8	7	5	3	3	2	3	3	2	3	2	49	5
Sarajevo	11	8	3	1	1	1	2	3	8	10	6	10	64	5
Skopje	4	3	2	*	*	0	0	0	*	3	6	9	28	5
Titovo Užice	3	4	2	1	2	1	1	*	1	4	4	10	33	5
Zvornik	3	1	1	1	2	1	1	1	5	7	3	5	34	19
Coast and Islands:														
Dubrovnik	0	0	*	0	*	0	0	*	0	0	0	0	1	11
Hvar	0	*	*	*	*	*	*	*	*	*	*	0	2	43
Mostar	1	*	1	0	0	0	0	0	0	0	1	3	5	5
Split	*	*	*	*	*	*	0	*	1	1	*	*	3	11

NOTE Definition of a day with fog unknown.

* <0.5 day.

FIGURE 48. PERCENTAGE FREQUENCY OF SPECIFIED CEILING* AND VISIBILITY COMBINATIONS AT SPECIFIED HOURS

REGION AND STATION	HOUR (LST)	COMBINATION**	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YRS REC
Northern Plains:																
Belgrade	0100	A	72	75	80	97	96	99	99	98	99	92	79	73	89	10-11
		B	20	14	6	1	2	1	***	2	0	4	13	21	7	10-11
Osijek	0100	A	93	92	95	99	99	99	100	99	97	96	91	90	96	6-8
		B	7	5	3	1	1	1	0	1	2	4	5	8	3	6-8
Ploso	0100	A	58	70	80	98	96	96	99	98	96	85	69	62	85	9-11
		B	28	15	4	2	2	1	***	2	2	10	19	27	9	9-11
Slavonski Brod	0100	A	78	80	96	99	99	99	99	99	94	89	80	66	90	5-6
		B	15	10	1	1	1	1	1	0	3	7	10	21	6	5-6
Interior Highlands:																
Banja Luka	0100	A	55	66	70	88	93	94	97	98	92	77	59	51	79	9-10
		B	24	13	8	3	1	1	1	1	4	13	20	25	10	9-10
Kraljevo	0100	A	78	88	95	100	99	99	97	99	98	95	88	79	93	9-11
		B	14	8	3	0	1	1	2	1	1	3	7	12	4	9-11
Ljubljana Airport	0100	A	37	48	67	81	79	85	84	67	49	50	49	42	62	9-11
		B	46	37	16	6	11	5	0	20	38	36	28	44	25	9-11
Load	0100	A	83	88	91	99	98	99	100	98	100	98	92	83	94	3-5
		B	5	5	5	0	1	0	0	0	0	1	4	10	3	3-5
Niš	0100	A	92	94	98	100	100	98	100	100	100	99	97	90	97	1-2
		B	4	4	0	0	0	0	0	0	0	1	2	5	1	1-2
Pod	0100	A	96	94	98	99	99	100	100	100	100	99	98	95	98	3-5
		B	1	2	2	1	0	0	0	0	0	1	2	3	1	3-5
Sarajevo	0100	A	65	71	90	97	98	99	99	99	97	93	82	69	88	8-10
		B	21	13	2	*	***	1	***	1	2	5	8	24	7	8-10
Skopje	0100	A	65	79	95	99	99	99	100	99	99	79	76	63	88	9-11
		B	25	12	5	1	1	1	0	1	1	17	20	30	10	9-11

See footnotes at end of table.

FIGURE 48. CEILING AND VISIBILITY COMBINATIONS (*Continued*)

REGION AND STATION	HOUR (LST)	COMBINATION**	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YRS REC
Coast and Islands:																
Pula	0100	A	80	85	88	97	98	99	99	99	96	98	92	87	94	8-10
		B	5	0	5	1	1	***	***	0	***	1	1	5	2	8-10
Split	0100	A	99	99	98	100	100	99	100	99	100	100	99	99	99	10-11
		B	**	1	1	0	0	0	0	**	0	0	1	***	***	10-11
Titograd	0100	A	94	92	97	99	100	100	99	99	99	99	98	94	98	5-8
		B	4	6	1	1	0	0	1	1	0	1	1	2	2	5-8
Ulcinj	0100	A	99	97	98	100	99	100	99	100	97	100	95	99	99	5-8
		B	1	1	1	0	1	0	1	0	3	0	1	1	1	5-8
Zadar	0100	A	99	96	99	100	100	100	100	99	99	98	99	98	99	7-10
		B	0	3	1	0	0	0	0	***	***	2	1	1	1	7-10
Northern Plains:																
Belgrade	0700	A	52	49	73	88	91	95	94	99	85	71	59	51	75	10-11
		B	30	32	13	4	4	2	2	3	5	14	25	30	14	10-12
Osijek	0700	A	87	90	93	97	99	99	99	98	95	86	84	86	93	9-10
		B	11	6	3	2	0	***	0	1	2	10	13	10	5	9-10
Ploso	0700	A	56	61	82	92	94	96	92	91	79	64	59	59	77	9-11
		B	20	20	10	2	3	2	4	5	13	20	20	20	15	9-11
Slavonski Brod	0700	A	60	61	80	91	98	94	95	89	84	73	63	61	81	3-5
		B	18	24	6	2	1	1	2	6	0	24	20	25	12	3-5
Interior Highlands:																
Banja Luka	0700	A	51	57	65	84	90	91	96	94	84	64	48	55	73	9-11
		B	28	25	19	6	5	3	2	2	10	25	32	26	15	9-11
Kraljevo	0700	A	72	77	88	93	96	97	96	96	91	73	77	71	86	9-11
		B	19	15	7	4	1	2	2	2	7	21	14	19	9	9-11
Ljubljana Airport	0700	A	38	36	52	68	64	66	59	39	25	34	43	41	46	9-11
		B	44	48	38	25	25	20	36	55	65	54	43	40	41	9-11
Lounica	0700	A	80	80	87	98	97	97	98	98	94	80	80	78	89	3-6
		B	8	12	9	2	0	1	0	1	4	16	14	12	7	3-6
Nil	0700	A	93	77	80	99	100	100	100	97	100	94	88	80	93	1-2
		B	5	0	3	0	0	0	0	3	0	4	6	6	3	1-2
Pod	0700	A	99	88	97	100	100	98	100	99	99	95	94	87	96	1-4
		B	5	6	3	0	0	0	0	0	0	3	3	8	2	1-4
Sarajevo	0700	A	56	57	78	90	83	81	87	85	69	62	65	56	72	8-10
		B	27	27	12	6	8	10	7	11	27	30	23	29	18	8-10
Skopje	0700	A	55	56	71	92	99	98	99	98	91	58	58	44	77	9-11
		B	36	33	18	2	***	1	***	***	5	32	33	46	17	9-11
Coast and Islands:																
Otok Palagruža	0700	A	99	98	94	97	97	97	97	98	95	97	97	99	97	5-7
		B	1	0	5	2	1	1	1	0	3	2	1	0	1	5-7
Pula	0700	A	88	83	91	99	99	99	100	99	95	96	99	86	94	9-11
		B	5	11	6	2	0	1	0	***	2	3	6	4	3	9-11
Split	0700	A	99	98	97	97	99	99	99	99	98	99	99	99	99	9-11
		B	1	1	1	1	0	***	***	***	1	1	1	**	1	9-11
Titograd	0700	A	92	87	95	98	99	100	99	100	100	98	96	93	96	3-8
		B	5	8	4	0	1	0	0	0	0	2	2	2	2	3-8
Ulcinj	0700	A	99	98	98	99	97	100	99	97	96	99	99	100	98	6-7
		B	1	1	2	1	2	0	1	0	2	0	1	0	1	6-7
Zadar	0700	A	98	95	99	100	99	99	99	99	97	95	96	98	98	9-10
		B	1	4	2	0	1	***	***	***	1	3	2	1	1	9-10
Northern Plains:																
Belgrade	1300	A	64	73	89	96	96	99	99	98	99	95	81	64	88	10-11
		B	21	13	4	2	2	***	***	1	0	3	13	18	6	10-11
Osijek	1300	A	91	94	98	99	99	100	99	99	100	99	96	99	97	9-11
		B	7	2	1	***	***	0	***	***	0	1	2	8	2	9-11
Ploso	1300	A	92	74	91	98	98	99	99	99	97	93	70	65	88	9-11
		B	18	10	4	1	1	0	0	0	0	4	12	23	6	9-11
Slavonski Brod	1300	A	78	85	96	100	99	99	99	99	99	98	90	72	87	5-7
		B	7	3	2	0	0	0	0	1	1	0	2	12	2	5-7

See footnotes at end of table.

FIGURE 48. CEILING AND VISIBILITY COMBINATIONS (*Continued*)

REGION AND STATION	HOUR (LST)	COMBINATION**	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YRS REC
Interior Highlands:																
Banja Luka	1300	A	68	76	86	94	94	98	98	98	96	92	73	67	87	8–10
		B	16	10	6	***	2	1	1	1	1	3	10	21	6	8–10
Kraljevo	1300	A	84	91	93	99	100	99	99	100	100	98	95	82	95	9–11
		B	9	4	3	***	0	0	***	0	0	0	1	10	2	9–11
Ljubljana Airport	1300	A	50	59	86	97	99	99	98	100	95	90	68	49	83	9–11
		B	32	23	5	***	***	0	1	0	***	5	16	34	10	9–11
Lozница	1300	A	80	86	94	100	97	99	100	99	100	96	92	80	94	3–5
		B	8	8	2	0	1	0	0	0	0	1	1	0	3	3–5
Niš	1300	A	98	95	100	98	97	100	100	96	100	100	98	79	97	1–2
		B	2	3	0	0	0	0	0	0	0	0	0	6	1	1–2
Peć	1300	A	92	92	98	100	100	99	99	100	100	100	97	93	98	3–6
		B	3	6	2	0	0	0	1	0	0	0	1	4	1	3–6
Sarajevo	1300	A	87	81	93	99	95	99	100	98	99	96	82	66	90	9–11
		B	13	6	4	1	2	***	0	1	0	2	6	16	4	9–11
Skopje	1300	A	66	75	95	99	100	100	99	100	100	97	84	63	90	9–11
		B	23	11	1	***	0	0	***	0	0	2	6	23	6	9–11
Coast and Islands:																
Otok Palagruža	1300	A	98	99	95	98	98	98	99	99	97	97	98	98	98	5–8
		B	1	1	3	1	1	0	0	0	1	1	2	1	1	5–8
Pula	1300	A	99	94	98	99	99	99	99	100	99	99	91	91	97	9–11
		B	4	5	1	***	***	0	***	0	***	***	1	3	1	9–11
Split	1300	A	99	98	97	99	100	100	100	100	99	99	99	98	99	10–11
		B	1	1	1	***	0	0	0	0	***	***	***	0	***	10–11
Titograd	1300	A	90	85	96	99	99	100	99	99	99	97	95	94	95	4 7
		B	3	8	1	0	1	0	1	1	0	1	1	3	2	4–7
Ulcinj	1300	A	99	100	100	99	100	100	99	100	99	100	99	99	100	6–9
		B	**	0	0	1	0	0	1	0	1	0	1	0	***	6–9
Zadar	1300	A	98	98	99	99	99	100	99	99	99	100	99	98	99	9–11
		B	1	2	1	***	0	0	***	0	***	0	***	***	***	9–11
Northern Plains:																
Belgrade	1600	A	71	84	88	99	98	98	98	99	100	99	79	62	90	3–4
		B	12	6	7	1	1	2	1	0	0	0	10	22	5	3–4
Osijek	1600	A	99	99	99	100	100	100	100	100	100	99	100	91	98	3–4
		B	10	0	1	0	0	0	0	0	0	0	0	8	2	3–4
Pleso	1600	A	89	91	94	98	97	99	99	99	99	99	79	67	91	3–4
		B	20	3	4	0	0	0	1	0	1	1	10	20	5	3–4
Interior Highlands:																
Banja Luka	1600	A	82	91	88	99	97	98	98	99	100	94	84	68	92	3–4
		B	8	4	2	0	2	0	0	1	0	2	6	12	3	3–4
Kraljevo	1600	A	90	93	98	98	100	100	100	100	100	99	93	78	96	3–4
		B	5	3	1	1	0	0	0	0	0	1	2	9	2	3–4
Ljubljana Airport	1600	A	57	77	91	97	100	97	99	98	96	90	71	49	86	3–4
		B	26	13	3	0	0	0	0	0	1	2	15	38	8	3–4
Lozница	1600	A	80	85	90	100	98	100	100	100	100	95	94	82	94	1–3
		B	12	4	7	0	0	0	0	0	0	1	4	6	3	1–3
Sarajevo	1600	A	73	78	93	99	97	100	98	99	99	99	90	67	91	2–4
		B	9	5	4	0	2	0	0	0	0	0	3	11	3	2–4
Skopje	1600	A	70	78	97	100	99	99	100	99	100	93	81	55	89	3–4
		B	17	7	0	0	0	0	0	0	0	3	8	26	5	3–4
Coast and Islands:																
Otok Palagruža	1600	A	92	94	96	94	100	100	99	96	96	100	96	95	96	1–2
		B	4	4	2	3	0	0	2	0	0	0	4	5	2	1–2
Pula	1600	A	94	88	93	99	100	98	98	100	99	100	93	91	96	3–4
		B	2	8	2	1	0	0	0	0	0	0	2	3	2	3–4
Split	1600	A	96	100	97	100	100	100	100	100	100	100	97	99	99	3–4
		B	3	0	1	0	0	0	0	0	0	0	1	0	***	3–4
Titograd	1600	A	93	97	93	99	100	100	100	100	98	98	95	94	97	1–3
		B	2	2	2	0	0	0	0	0	1	0	0	4	1	1–3
Ulcinj	1600	A	98	100	98	100	100	100	100	100	100	96	100	96	99	1–2
		B	2	0	2	0	0	0	0	0	0	0	0	0	***	1–2
Zadar	1600	A	99	99	100	100	100	100	100	100	100	100	100	100	100	3–4
		B	1	0	0	0	0	0	0	0	0	0	0	0	***	3–4

See footnotes at end of table.

FIGURE 48. CEILING AND VISIBILITY COMBINATIONS (*Continued*)

REGION AND STATION	HOUR (LST)	COMBINATION**	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YRS REC
Northern Plains:																
Belgrade	1000	A	70	76	92	97	97	99	99	99	99	93	80	67	89	10-11
		B	16	8	5	1	2	***	0	1	***	4	10	19	6	10-11
Osijek	1000	A	92	93	98	100	99	99	100	100	99	99	96	92	97	6-10
		B	7	3	***	0	0	1	0	0	***	0	3	8	2	9-10
Pleso	1000	A	62	77	80	97	98	99	99	100	97	94	74	59	97	10-11
		B	20	9	3	1	***	***	0	0	1	3	15	26	7	10-11
Slavonski Brod	1000	A	80	82	97	100	100	99	99	100	99	97	89	75	93	4-6
		B	7	6	1	0	0	0	1	0	1	0	4	13	3	4 6
Interior Highlands:																
Banja Luka	1000	A	63	73	85	95	95	98	99	98	97	89	70	57	85	9-11
		B	17	10	4	1	1	***	***	1	***	4	13	22	6	9-11
Kraljevo	1000	A	85	88	95	99	100	100	100	100	99	98	93	81	95	9-11
		B	8	6	2	0	0	0	0	0	***	1	3	10	3	9-11
Ljubljana Airport	1000	A	46	60	84	97	99	100	99	100	96	83	50	45	81	9-11
		B	33	21	5	1	***	0	***	0	1	6	18	35	10	9-11
Lozница	1000	A	85	88	92	98	99	99	98	99	99	97	92	82	94	3-8
		B	5	4	4	0	0	0	1	0	1	1	4	8	2	3-8
Niš	1000	A	96	89	96	100	100	100	100	100	100	98	93	90	97	1-2
		B	2	6	3	0	0	0	0	0	0	0	0	4	1	1-2
Peć	1000	A	88	93	99	100	100	100	97	100	100	99	98	94	97	2-4
		B	4	4	0	0	0	0	1	0	0	0	2	5	1	2-4
Sarajevo	1000	A	78	85	99	98	97	100	100	99	99	95	88	70	92	8-11
		B	10	4	4	***	1	0	0	***	0	2	3	15	3	8-11
Skopje	1000	A	73	84	96	99	99	99	99	100	100	96	86	67	92	9-11
		B	17	8	3	0	***	0	***	0	0	1	6	22	5	9-11
Coast and Islands:																
Otok Palagruža	1000	A	96	95	96	99	99	99	99	100	99	97	96	97	97	5-7
		B	2	2	2	1	0	0	0	0	1	0	2	1	1	5-7
Pula	1000	A	80	88	94	98	99	99	100	99	98	98	90	86	95	9-11
		B	3	5	3	1	***	0	0	***	1	***	2	4	2	9-11
Split	1000	A	99	98	99	100	99	100	100	100	100	99	98	99	99	10-11
		B	1	1	0	0	***	***	0	0	0	1	1	0	***	10-11
Titograd	1000	A	93	93	98	98	99	100	100	100	99	100	97	91	97	4-8
		B	2	3	1	2	1	0	0	0	1	0	1	4	1	4-8
Ulcinj	1000	A	98	99	98	100	100	100	99	99	99	99	99	98	99	6-8
		B	0	1	1	0	0	0	1	0	0	0	1	1	***	6-8
Zadar	1000	A	99	98	99	100	99	99	100	100	99	99	99	99	99	9-11
		B	**	1	1	0	0	0	0	0	1	***	***	0	***	9-11

* Ceiling herein is defined as ≤5-eighths cloud cover.

** Combination:

A..... Ceiling ≤984 feet with visibility ≤2½ miles.

B..... Ceiling <650 feet and/or visibility <1¼ miles.

*** <0.5%.

FIGURE 49. MEAN NUMBER OF DAYS WITH TOTAL CLOUD COVER ≥2-EIGHTHS AND VISIBILITY ≥2½ MILES AT SPECIFIED HOURS

REGION AND STATION	HOUR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YRS RNG
	(LST)														
Northern Plains:															
Belgrade	0100	7	6	11	14	13	16	20	22	19	15	6	7	155	10–11
Osijek	0100	9	11	16	14	17	16	22	23	21	16	8	8	179	6–8
Pleso	0100	5	7	13	14	15	14	18	20	18	12	6	6	150	9–11
Slavonski Brod	0100	6	6	12	12	14	15	19	22	18	12	6	7	148	5–7
Interior Highlands:															
Banja Luka	0100	6	7	11	13	13	15	20	21	18	11	5	5	143	9–10
Kraljevo	0100	8	8	12	15	13	16	19	22	19	14	7	6	160	9–11
Ljubljana Airport	0100	3	5	10	10	11	10	14	11	6	3	2	3	87	9–11
Loznica	0100	7	8	14	16	15	16	22	24	20	15	9	9	175	3–5
Niš	0100	10	11	10	12	10	15	19	21	20	10	7	7	160	1–3
Peć	0100	9	10	13	12	13	18	24	22	18	13	8	9	169	3–5
Sarajevo	0100	4	6	11	13	14	15	19	21	19	13	5	5	144	8–10
Skopje	0100	5	9	12	14	13	19	22	24	19	11	5	4	155	9–11
Coast and Islands:															
Pula	0100	11	11	14	13	17	16	23	24	20	17	11	11	187	8–10
Split	0100	14	14	15	16	18	19	25	26	22	19	13	13	211	9–11
Titograd	0100	12	11	14	14	14	20	23	28	22	17	10	11	194	5–7
Ulcinj	0100	12	10	14	15	16	22	26	27	22	20	12	13	208	6–8
Zadar	0100	14	13	17	16	19	20	25	25	22	20	13	13	214	7–9
Northern Plains:															
Belgrade	0700	3	2	6	9	10	11	16	17	14	8	3	3	102	10–11
Osijek	0700	5	6	9	9	11	13	16	18	14	9	4	5	118	9–10
Pleso	0700	4	3	7	7	10	10	12	15	10	4	2	2	87	9–11
Slavonski Brod	0700	4	4	9	8	11	11	17	15	9	5	3	3	97	3–5
Interior Highlands:															
Banja Luka	0700	3	4	5	8	8	11	16	17	14	5	2	3	94	9–11
Kraljevo	0700	3	3	6	9	9	13	16	18	14	6	3	4	103	9–11
Ljubljana Airport	0700	2	1	3	4	4	4	4	2	1	*	1	1	27	9–11
Loznica	0700	8	4	10	13	11	13	17	19	16	7	4	6	120	3–6
Niš	0700	7	5	6	9	11	14	19	19	17	12	4	7	130	1–2
Peć	0700	5	6	8	9	9	11	18	22	15	10	6	6	124	2–4
Sarajevo	0700	2	3	7	9	8	9	14	14	8	3	2	2	77	8–10
Skopje	0700	2	3	5	8	10	15	21	21	15	4	2	2	106	9–11
Coast and Islands:															
Otok Palagruža	0700	8	5	6	10	11	11	20	23	14	9	5	7	125	5–7
Pula	0700	9	8	10	9	11	12	19	19	16	12	7	6	138	9–11
Split	0700	10	10	11	11	13	14	21	22	18	14	9	11	162	9–11
Titograd	0700	8	8	9	11	11	15	21	25	19	12	7	9	155	5–7
Ulcinj	0700	9	8	9	10	12	15	23	22	17	13	8	10	156	6–8
Zadar	0700	10	10	11	10	13	16	21	20	17	14	9	8	158	9–11
Northern Plains:															
Belgrade	1300	4	5	8	7	9	8	14	16	15	11	4	4	103	10–11
Osijek	1300	6	7	9	8	8	7	15	16	14	12	5	4	109	9–11
Pleso	1300	5	4	7	7	7	7	12	14	12	8	4	3	90	9–11
Slavonski Brod	1300	5	7	8	8	6	7	12	12	10	8	4	5	91	5–7
Interior Highlands:															
Banja Luka	1300	4	4	5	6	5	7	11	15	12	7	3	3	83	8–10
Kraljevo	1300	1	5	7	7	7	7	14	16	15	10	5	6	102	9–11
Ljubljana Airport	1300	3	3	8	5	4	5	10	11	10	7	2	2	69	9–11
Loznica	1300	6	6	10	9	8	9	14	19	13	9	5	7	114	3–5
Niš	1300	5	6	9	4	10	10	15	17	16	13	6	5	116	1–2
Peć	1300	6	6	8	5	3	3	10	13	11	9	4	8	85	3–5
Sarajevo	1300	4	6	8	5	4	5	10	14	13	10	4	3	85	9–11
Skopje	1300	3	6	6	5	4	7	15	19	16	10	3	4	98	9–11
Coast and Islands:															
Otok Palagruža	1300	7	6	7	11	11	13	23	22	16	9	4	4	133	5–7
Pula	1300	10	10	11	10	11	12	18	18	15	11	7	7	138	9–11
Split	1300	11	10	12	10	11	14	21	23	18	13	8	8	150	9–11
Titograd	1300	8	8	12	8	6	10	17	23	16	10	7	8	131	5–7
Ulcinj	1300	9	7	12	13	12	16	23	24	17	14	9	10	164	6–8
Zadar	1300	9	10	11	12	13	15	21	22	19	12	8	7	159	9–11

* <0.5 day.

FIGURE 49 (*Continued*)

REGION AND STATION	HOUR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YRS REC
	(LST)														
Northern Plains:															
Belgrade	1600	6	6	9	9	8	8	13	18	17	12	5	4	114	3-4
Osijek	1600	6	7	7	6	8	8	12	18	15	11	3	3	102	3-4
Pleso	1600	4	7	6	5	6	9	10	14	14	9	3	3	90	3-4
Interior Highlands:															
Banja Luka	1600	6	6	5	5	6	7	12	18	14	9	2	1	85	3-4
Kraljevo	1600	8	6	7	8	6	7	13	20	16	10	5	5	116	3-4
Ljubljana Airport	1600	4	8	7	4	4	5	9	13	14	9	3	2	82	3-4
Lozница	1600	8	4	8	11	7	10	14	22	18	10	4	4	110	1-3
Sarajevo	1600	5	7	6	5	3	4	8	14	12	9	3	1	75	2-4
Skopje	1600	6	8	6	6	4	5	15	19	16	10	4	3	100	3-5
Coast and Islands:															
Otok Palagruža	1600	7	11	6	15	13	17	25	24	18	26	5	7	174	1-2
Pula	1600	8	10	7	11	10	12	16	17	16	12	5	4	126	3-4
Split	1600	10	13	11	9	13	14	20	23	19	14	7	7	158	3-4
Titograd	1600	11	12	10	10	8	8	15	22	17	10	4	5	131	2-3
Ulcinj	1600	9	13	9	12	12	10	24	22	20	16	2	6	155	1-2
Zadar	1600	9	13	12	16	14	18	22	23	19	15	9	7	177	3-4
Northern Plains:															
Belgrade	1900	7	8	11	8	8	8	15	18	17	16	7	7	120	10-11
Osijek	1900	10	9	11	10	9	9	16	18	13	15	8	8	130	9-11
Pleso	1900	6	6	11	9	8	9	13	15	16	13	6	6	117	9-11
Slavonski Brod	1900	7	8	10	8	8	6	15	16	15	11	7	6	119	5-6
Interior Highlands:															
Banja Luka	1900	7	8	8	7	7	8	15	15	16	14	5	5	114	9-11
Kraljevo	1900	7	9	10	9	7	8	14	18	17	13	9	9	133	9-11
Ljubljana Airport	1900	5	7	9	6	6	6	10	11	14	12	4	4	95	9-11
Lozница	1900	8	9	12	12	6	7	16	19	17	16	8	8	137	3-6
Niš	1900	9	13	9	9	8	8	15	18	20	16	9	8	144	1-2
Peć	1900	9	10	9	7	7	8	15	17	14	11	8	9	124	2-5
Sarajevo	1900	7	8	10	8	7	7	13	17	17	14	8	6	121	9-11
Skopje	1900	6	11	11	8	6	7	15	19	18	15	7	6	129	9-11
Coast and Islands:															
Otok Palagruža	1900	8	5	8	10	11	13	20	18	15	14	7	9	138	5-7
Pula	1900	12	11	12	11	10	12	17	18	17	17	11	9	150	9-11
Split	1900	14	12	14	12	12	15	20	21	19	18	12	11	170	9-11
Titograd	1900	12	10	12	9	7	9	16	21	18	15	11	12	151	5-7
Ulcinj	1900	12	10	13	13	10	15	23	22	19	19	12	13	179	6-8
Zadar	1900	14	13	14	13	11	15	20	21	19	18	13	11	181	9-11

* <0.5 day.

FIGURE 50. MEAN NUMBER OF DAYS WITH SURFACE WIND ≥16 KNOTS AND NO PRECIPITATION OCCURRING AT SPECIFIED HOURS

REGION AND STATION	HOUR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YRS REC
	(LST)														
Northern Plains:															
Belgrade	0100	1	1	3	1	*	0	*	0	*	1	2	2	11	10-11
Osijek	0100	*	*	*	*	*	*	*	0	0	0	*	0	2	0-8
Pleso	0100	*	*	*	1	*	*	*	*	0	*	*	*	3	9-11
Slavonski Brod	0100	0	*	*	*	0	*	*	*	*	0	0	0	2	5-7
Interior Highlands:															
Banja Luka	0100	*	1	*	*	0	0	0	*	*	0	0	*	2	9-10
Kraljevo	0100	1	1	4	1	0	0	*	0	1	1	3	2	13	9-11
Ljubljana Airport	0100	*	1	*	0	*	0	0	0	*	0	*	*	2	9-11
Lozница	0100	*	1	1	*	*	0	0	*	0	*	*	*	3	3-5
Niš	0100	*	0	1	0	0	0	1	0	0	1	2	1	4	1-3
Peć	0100	1	1	1	*	0	*	0	0	0	1	*	*	4	3-5
Sarajevo	0100	1	*	*	*	*	*	*	*	0	*	*	1	4	8-10
Skopje	0100	*	*	*	*	*	0	*	*	*	*	*	*	2	9-11

* <0.5 day.

FIGURE 50 *(Continued)*

REGION AND STATION	HOUR (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YRS REC
Coast and Islands:															
Pula	0100	2	2	2	2	1	1	1	1	2	2	2	3	21	8-10
Split	0100	7	6	6	5	3	3	2	2	3	5	5	6	51	9-11
Titograd	0100	5	3	4	3	1	1	2	3	4	3	1	3	33	5-7
Ulcinj	0100	1	1	1	1	*	*	0	*	0	0	1	1	6	6-8
Zadar	0100	*	1	1	*	0	0	*	*	0	0	*	1	3	7-9
Northern Plains:															
Belgrade	0700	1	1	2	1	1	*	*	*	1	1	2	2	11	10-11
Osijek	0700	*	*	0	*	*	*	0	*	0	0	0	0	1	9-11
Pleso	0700	*	*	0	*	*	*	*	*	*	*	*	*	2	9-11
Slavonski Brod	0700	*	0	0	0	0	0	0	0	0	0	*	0	1	3-5
Interior Highlands:															
Banja Luka	0700	*	*	*	*	*	*	*	0	0	*	*	*	2	9-11
Kraljevo	0700	1	1	3	1	1	*	0	0	1	*	2	2	10	9-11
Ljubljana Airport	0700	*	*	*	*	0	0	0	0	0	*	0	1	1	9-11
Loznica	0700	*	1	0	*	1	1	0	*	0	*	0	*	4	3-6
Niš	0700	0	0	1	1	0	0	1	1	1	1	3	1	9	1-2
Peć	0700	0	1	1	*	0	0	0	0	0	0	*	*	3	2-4
Sarajevo	0700	*	1	*	1	*	*	0	*	0	*	*	1	3	8-10
Skopje	0700	*	1	*	*	*	*	0	0	*	*	*	0	2	9-11
Coast and Islands:															
Otok Palagruža	0700	7	6	7	5	1	3	2	2	3	3	4	7	50	5-7
Pula	0700	3	2	2	1	1	1	1	1	1	1	2	3	19	9-11
Split	0700	6	5	5	6	4	2	1	2	3	5	4	6	49	9-11
Titograd	0700	4	3	4	1	1	2	2	3	3	2	1	4	28	5-7
Ulcinj	0700	1	1	1	*	*	*	0	0	*	*	*	1	5	6-8
Zadar	0700	*	*	*	1	*	*	0	0	0	*	*	1	2	9-11
Northern Plains:															
Belgrade	1300	1	1	3	1	1	1	*	*	1	1	2	2	15	10-11
Osijek	1300	*	*	1	1	*	0	*	*	0	*	*	0	3	9-11
Pleso	1300	1	1	1	1	1	*	*	1	1	1	*	1	8	9-11
Slavonski Brod	1300	0	0	0	0	0	0	0	1	0	0	0	0	2	5-7
Interior Highlands:															
Banja Luka	1300	*	1	1	1	1	*	*	*	*	*	*	1	5	8-10
Kraljevo	1300	1	2	4	4	3	1	1	1	1	2	4	2	24	9-11
Ljubljana Airport	1300	1	1	2	2	3	1	1	1	1	1	1	1	15	9-11
Loznica	1300	1	3	3	3	2	2	*	1	1	1	1	*	16	3-5
Niš	1300	0	0	2	1	1	0	1	0	1	0	2	0	8	1-2
Peć	1300	1	0	1	1	1	0	*	*	*	1	1	*	6	3-5
Sarajevo	1300	1	1	1	1	1	*	*	*	*	*	*	1	8	9-11
Skopje	1300	*	1	1	1	1	*	1	1	*	*	*	*	6	9-11
Coast and Islands:															
Otok Palagruža	1300	7	5	4	4	4	2	2	1	2	5	5	6	46	5-7
Pula	1300	3	3	3	3	2	1	1	1	3	3	2	2	27	9-11
Split	1300	6	4	5	4	3	3	2	2	3	5	5	7	48	9-11
Titograd	1300	4	3	4	1	1	3	2	2	3	2	1	4	30	5-7
Ulcinj	1300	1	2	2	*	*	*	*	1	*	*	1	*	8	6-8
Zadar	1300	*	*	1	1	1	*	*	1	0	1	1	1	6	9-11
Northern Plains:															
Belgrade	1600	0	*	1	1	*	0	0	0	*	1	1	1	5	3-4
Osijek	1600	0	0	0	0	0	0	0	0	0	0	0	0	0	3-4
Pleso	1600	1	1	2	*	*	1	*	0	1	0	0	*	6	3-4
Interior Highlands:															
Banja Luka	1600	*	1	1	1	0	0	0	0	1	0	*	*	4	3-4
Kraljevo	1600	0	1	5	3	1	*	*	1	1	2	2	2	18	3-4
Ljubljana Airport	1600	1	2	2	3	2	1	1	1	1	0	*	1	14	3-4
Loznica	1600	0	1	2	3	1	1	1	2	0	0	*	0	8	1-3
Sarajevo	1600	1	1	*	*	0	*	1	*	0	1	1	1	5	2-4
Skopje	1600	0	1	1	2	2	1	1	2	*	*	1	0	10	3-5

FIGURE 50 (*Continued*)

REGION AND STATION	HOUR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YRS REC
	(LST)														
Coast and Islands:															
Otok Palagruža	1600	10	6	6	4	2	4	4	2	0	1	10	10	59	1-2
Pula	1600	2	2	5	4	2	2	1	1	2	3	2	3	28	3-4
Split	1600	6	4	4	3	2	1	2	1	2	3	6	6	40	3-4
Titograd	1600	5	4	6	1	3	3	4	3	5	2	1	5	41	2-3
Ulcinj	1600	1	4	3	2	1	2	0	3	1	2	4	3	26	1-2
Zadar	1600	0	0	1	0	0	0	1	0	*	*	*	*	2	3-4
Northern Plains:															
Belgrade	1900	1	1	2	1	1	*	*	1	1	1	2	1	11	10-11
Osijek	1900	0	*	*	0	*	*	*	*	*	*	0	0	2	9-11
Pleso	1900	*	*	*	1	*	*	*	0	0	*	0	1	3	9-11
Slavonski Brod	1900	0	0	*	*	*	0	*	0	0	0	*	*	2	5-6
Interior Highlands:															
Banja Luka	1900	*	1	1	*	0	*	0	0	*	0	*	*	2	9-11
Kraljevo	1900	1	1	3	1	*	*	*	*	1	1	3	1	12	9-11
Ljubljana Airport	1900	*	1	2	2	1	*	*	*	0	0	*	1	7	9-11
Lesnica	1900	*	*	2	*	1	*	0	0	0	*	*	1	4	3-6
Niš	1900	0	0	1	1	0	1	1	1	1	1	3	1	8	1-2
Poć	1900	*	*	0	*	1	*	0	0	0	*	1	0	3	2-4
Sarajevo	1900	*	*	1	1	*	*	*	0	*	*	*	1	4	9-11
Skopje	1900	*	*	*	1	*	1	*	*	*	0	*	*	5	9-11
Coast and Islands:															
Otok Palagruža	1900	8	8	6	6	3	3	4	4	3	5	6	6	63	5-7
Pula	1900	2	2	1	1	1	1	1	*	*	2	2	2	14	9-11
Split	1900	6	6	5	5	2	2	2	1	4	5	4	5	46	9-11
Titograd	1900	5	5	4	2	1	3	2	2	3	3	1	4	35	5-7
Ulcinj	1900	1	1	1	1	*	*	1	1	1	*	*	1	7	6-8
Zadar	1900	*	1	1	*	*	*	0	0	*	1	*	*	4	9-11

* <0.5 day.

FIGURE 51. MEAN NUMBER OF DAYS WITH SURFACE WIND SPEED 8 TO 10 KNOTS, TEMPERATURE >32°F. BUT <90°F., AND NO PRECIPITATION OCCURRING AT SPECIFIED HOURS

REGION AND STATION	HOUR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YRS REC
	(LST)														
Northern Plains:															
Belgrade	0100	5	6	8	11	13	10	9	13	10	11	9	7	112	10-11
Osijek	0100	4	4	8	12	13	10	11	9	9	9	7	5	101	6-8
Pleso	0100	3	5	9	11	12	10	13	12	11	11	6	7	110	9-11
Slavonski Brod	0100	1	2	4	6	4	3	2	2	2	4	3	2	33	5-6
Interior Highlands:															
Banja Luka	0100	2	2	2	2	1	1	1	1	1	2	2	2	18	9-10
Kraljevo	0100	3	5	6	6	7	6	6	6	6	7	8	5	71	9-11
Ljubljana Airport	0100	2	2	3	3	3	2	1	1	1	2	2	1	24	9-11
Lesnica	0100	7	7	11	10	13	13	12	13	9	11	9	6	120	3-5
Niš	0100	2	2	3	9	5	4	4	2	2	5	8	4	49	1-3
Poć	0100	1	1	6	9	10	10	9	13	8	4	3	3	75	3-5
Sarajevo	0100	2	3	4	5	6	5	7	6	4	3	3	2	49	8-10
Skopje	0100	3	3	6	5	5	5	6	5	4	3	4	3	53	9-11
Coast and Islands:															
Pula	0100	7	5	8	7	8	8	7	8	7	9	8	7	89	8-10
Split	0100	13	10	11	10	11	11	12	12	10	13	14	14	141	9-11
Titograd	0100	4	4	5	5	9	8	11	11	7	8	3	4	79	5-7
Ulcinj	0100	16	11	13	10	8	7	7	9	10	17	17	17	143	6-8
Zadar	0100	10	8	6	6	4	4	4	3	4	7	8	8	71	7-9
Northern Plains:															
Belgrade	0700	3	5	9	13	15	15	16	14	12	12	9	7	129	9-11
Osijek	0700	3	3	6	10	11	9	11	8	7	5	4	3	81	9-11
Pleso	0700	4	4	9	12	13	13	14	14	11	9	6	6	118	9-11
Slavonski Brod	0700	1	1	4	4	5	5	4	1	2	3	3	3	35	3-5

Figure 51 (*Continued*)

REGION AND STATION	HOUR (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YRS REC
Interior Highlands:															
Banja Luka	0700	2	2	1	2	3	2	2	2	1	2	1	2	20	9–11
Kraljevo	0700	3	5	6	9	12	11	11	10	8	10	6	5	94	9–11
Ljubljana Airport	0700	1	1	1	2	2	1	1	1	1	1	2	1	12	9–11
Loznica	0700	5	6	12	18	21	21	22	21	10	17	12	6	179	3–6
Niš	0700	0	2	4	8	7	8	10	4	1	5	9	3	62	1–2
Peć	0700	1	1	4	8	7	7	8	8	0	4	3	2	60	2–4
Sarajevo	0700	1	2	2	2	2	2	2	1	1	3	4	2	25	8–10
Skopje	0700	3	2	5	5	4	4	6	4	4	3	3	3	45	9–11
Coast and Islands:															
Otok Palagruža	0700	11	10	10	12	13	14	13	13	10	11	10	11	138	5–7
Pula	0700	7	6	8	8	10	10	9	8	8	10	7	6	96	9–11
Split	0700	13	12	11	9	10	9	12	11	11	15	14	14	139	9–11
Titograd	0700	5	4	5	6	9	10	15	16	10	9	5	4	93	5–7
Ulcinj	0700	16	12	15	11	8	7	6	9	12	18	18	19	149	6–8
Zadar	0700	9	7	9	7	9	8	7	5	7	10	10	10	99	9–11
Northern Plains:															
Belgrade	1300	9	10	13	15	20	18	18	18	10	18	12	12	181	10–11
Osijek	1300	8	8	14	15	14	13	13	10	12	13	11	7	137	9–11
Pleso	1300	7	8	15	15	17	10	10	17	17	14	11	9	167	9–11
Slavonski Brod	1300	4	5	13	17	16	13	12	13	12	12	9	5	132	5–7
Interior Highlands:															
Banja Luka	1300	4	4	10	12	16	13	13	15	14	11	5	4	121	8–10
Kraljevo	1300	7	8	12	15	19	19	21	18	19	18	11	10	178	9–11
Ljubljana	1300	2	2	7	8	12	10	10	9	7	5	3	2	78	9–11
Loznica	1300	14	15	18	17	20	19	20	17	20	21	17	14	212	3–5
Niš	1300	5	9	14	15	14	14	13	11	14	14	8	5	135	1–2
Peć	1300	5	5	11	15	13	12	12	11	10	8	7	5	112	8–5
Sarajevo	1300	2	2	6	12	9	11	11	8	8	6	3	4	82	9–11
Skopje	1300	6	6	11	14	15	13	13	11	13	9	7	6	122	9–11
Coast and Islands:															
Otok Palagruža	1300	11	10	12	12	12	12	13	11	10	11	11	12	137	5–7
Pula	1300	12	13	15	17	20	20	19	20	17	15	11	11	190	9–11
Split	1300	9	9	13	15	18	18	18	18	16	13	9	7	164	9–11
Titograd	1300	5	6	11	10	19	15	12	7	13	10	8	4	127	5–7
Ulcinj	1300	14	10	12	14	14	13	17	13	11	12	14	13	158	6–8
Zadar	1300	14	14	18	19	21	22	22	20	20	18	14	12	213	9–11
Northern Plains:															
Belgrade	1600	11	11	15	17	21	17	19	19	19	17	14	9	190	3–4
Osijek	1600	1	3	8	7	6	5	2	2	1	4	2	2	44	3–4
Pleso	1600	9	9	17	17	20	18	21	19	17	16	9	8	180	3–4
Interior Highlands:															
Banja Luka	1600	6	6	11	12	13	12	14	13	11	9	5	6	117	3–4
Kraljevo	1600	6	8	12	13	16	19	20	20	18	17	10	8	166	3–4
Ljubljana Airport	1600	4	3	9	6	12	14	14	15	12	12	4	2	106	3–4
Loznica	1600	15	15	18	18	23	20	23	20	23	19	11	9	214	1–3
Sarajevo	1600	2	2	10	13	10	15	15	13	11	7	5	3	104	2–4
Skopje	1600	7	8	11	14	14	11	11	8	12	8	6	4	115	3–5
Coast and Islands:															
Otok Palagruža	1600	6	10	10	9	11	12	14	9	11	1	8	6	107	1–2
Pula	1600	13	15	15	17	16	10	22	22	17	13	10	13	192	3–4
Split	1600	8	8	12	14	10	18	10	18	17	12	8	7	150	3–4
Titograd	1600	6	0	13	10	20	16	11	7	12	13	5	3	132	2–3
Ulcinj	1600	14	11	12	17	17	20	17	25	13	20	16	10	190	1–2
Zadar	1600	12	13	17	10	10	24	23	23	18	17	13	13	212	3–4

FIGURE 51 (*Continued*)

REGION AND STATION	HOUR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YRS REC
	(LST)														
Northern Plains:															
Belgrade	1900	6	7	9	13	14	15	14	14	11	13	10	8	134	10-11
Osijek	1900	4	4	10	10	9	9	9	6	7	7	7	4	88	9-11
Pleso	1900	6	7	12	14	15	14	12	11	10	8	7	6	120	9-11
Slavonski Brod	1900	1	2	5	5	5	5	3	2	2	3	4	2	41	5-6
Interior Highlands:															
Banja Luka	1900	2	3	3	4	4	4	4	3	2	2	2	2	34	9-11
Kraljevo	1900	4	6	8	12	13	13	13	13	9	10	6	6	113	9-11
Ljubljana Airport	1900	2	4	7	11	11	11	11	9	8	6	4	2	84	9-11
Lesnica	1900	8	9	11	13	16	13	13	12	12	11	11	7	136	3-6
Niš	1900	3	4	9	11	6	5	13	7	3	5	6	3	75	1-2
Peć	1900	1	4	7	11	11	8	6	7	10	8	4	4	80	2-4
Sarajevo	1900	3	4	8	11	10	7	11	11	11	10	6	4	96	9-11
Skopje	1900	5	6	10	12	12	9	10	9	8	6	6	4	97	9-11
Coast and Islands:															
Otok Palagruža	1900	10	9	11	12	11	12	14	11	11	10	9	11	131	5-7
Pula	1900	9	7	9	8	9	11	11	8	9	8	7	6	101	9-11
Split	1900	12	8	10	10	12	11	14	14	9	9	12	12	133	9-11
Titograd	1900	2	3	6	11	14	14	14	15	9	5	3	3	100	5-7
Ulcinj	1900	12	8	11	12	11	10	12	14	9	10	15	13	136	6-8
Zadar	1900	10	8	11	11	14	16	16	14	9	8	8	9	134	9-11

FIGURE 52. MEAN NUMBER OF DAYS WITH CEILING* ≦984 FEET, VISIBILITY ≦2½ MILES, AND SURFACE WIND SPEED ≧10 KNOTS AT SPECIFIED HOURS

REGION AND STATION	HOUR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YRS REC
	(LST)														
Northern Plains:															
Belgrade	0100	19	17	21	24	28	28	30	30	28	25	18	18	285	10-11
Osijek	0100	28	25	28	28	30	29	30	30	29	29	26	27	339	6-8
Pleso	0100	16	18	26	28	29	29	30	30	29	26	20	18	297	9-11
Slavonski Brod	0100	23	22	29	29	30	30	30	30	28	28	23	20	321	5-6
Interior Highlands:															
Banja Luka	0100	16	17	24	26	29	28	30	30	28	24	17	15	284	9-10
Kraljevo	0100	21	22	24	27	30	30	30	31	28	27	22	21	311	9-11
Ljubljana Airport	0100	11	12	20	23	24	26	26	21	14	16	14	12	218	9-11
Lesnica	0100	24	22	26	29	29	29	31	30	30	29	26	24	329	3-5
Niš	0100	25	26	24	28	31	29	31	30	30	28	24	27	333	1-3
Peć	0100	28	25	29	28	31	29	30	30	28	29	28	29	342	3-5
Sarajevo	0100	19	19	27	28	30	29	30	31	29	28	23	18	311	8-10
Skopje	0100	19	21	28	29	30	29	30	30	29	24	22	18	308	9-11
Coast and Islands:															
Pula	0100	23	19	23	25	28	28	29	29	28	26	23	22	300	8-10
Split	0100	19	16	20	21	23	24	26	25	23	21	19	19	255	9-11
Titograd	0100	21	21	24	26	27	26	25	25	22	26	26	23	291	5-7
Ulcinj	0100	27	24	28	28	30	29	31	31	29	30	26	27	338	6-8
Zadar	0100	29	25	29	29	31	30	31	31	30	29	28	28	348	7-9
Northern Plains:															
Belgrade	0700	13	11	16	22	25	27	28	27	24	19	13	12	238	9-11
Osijek	0700	26	24	28	29	30	29	31	30	28	26	24	26	332	9-11
Pleso	0700	16	16	24	27	28	28	28	28	23	19	17	17	272	9-11
Slavonski Brod	0700	21	17	27	27	30	28	29	28	25	22	18	19	291	3-5
Interior Highlands:															
Banja Luka	0700	15	16	20	25	28	27	29	29	25	20	14	16	264	9-11
Kraljevo	0700	21	19	21	25	29	29	30	30	26	21	19	18	287	9-11
Ljubljana Airport	0700	11	10	15	20	20	20	15	12	7	10	12	12	163	9-11
Lesnica	0700	24	20	25	28	27	28	29	29	28	24	23	22	306	3-6
Niš	0700	28	22	23	27	30	29	28	29	27	28	23	23	315	1-2
Peć	0700	28	23	28	30	31	30	31	31	30	29	38	25	342	2-4
Sarajevo	0700	16	15	23	25	25	24	27	26	21	18	18	15	253	8-10
Skopje	0700	16	14	21	27	30	29	30	30	27	17	16	13	271	9-11

* Ceiling herein is defined as ≦5-eighths cloud cover.

FIGURE 52 (*Continued*)

REGION AND STATION	HOUR (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YRS REC
Coast and Islands:															
Otok Palagruža	0700	18	16	17	21	22	24	24	25	22	22	19	20	248	5-7
Pula	0700	23	20	25	25	29	28	29	29	26	26	22	22	302	9-11
Split	0700	18	17	20	19	23	24	26	25	22	20	19	18	240	9-11
Titograd	0700	22	19	23	27	27	27	27	26	25	26	26	22	297	5-7
Ulcinj	0700	27	25	28	28	30	29	31	30	28	29	28	27	339	6-8
Zadar	0700	29	25	29	29	30	29	31	31	29	29	28	29	347	9-11
Northern Plains:															
Belgrade	1300	15	16	18	19	24	26	27	28	25	24	16	15	252	10-11
Osijek	1300	27	24	28	28	29	28	30	30	29	30	28	27	338	9-11
Pleso	1300	17	18	24	24	26	27	29	29	27	26	22	18	287	9-11
Slavonski Brod	1300	23	23	27	26	29	28	30	30	29	30	26	22	323	5-7
Interior Highlands:															
Banja Luka	1300	20	19	25	25	27	28	29	29	27	28	21	19	297	8-10
Kraljevo	1300	24	21	21	22	26	26	27	27	25	26	22	21	287	9-11
Ljubljana Airport	1300	14	13	22	22	25	25	27	28	25	24	18	13	256	9-11
Lesnica	1300	23	20	22	21	23	23	26	25	26	27	26	24	285	3-5
Niš	1300	20	22	25	25	27	26	28	28	26	28	24	23	306	1-2
Peć	1300	28	25	29	28	29	29	30	31	29	30	28	28	342	3-5
Sarajevo	1300	18	20	26	26	26	28	30	29	20	28	23	18	302	9-10
Skopje	1300	20	19	27	28	29	28	29	30	29	29	24	19	308	9-11
Coast and Islands:															
Otok Palagruža	1300	19	16	20	22	23	25	25	26	24	21	20	20	259	5-7
Pula	1300	22	21	24	23	26	25	27	27	25	25	22	22	288	9-11
Split	1300	19	17	19	20	23	23	25	27	23	22	20	18	256	9-11
Titograd	1300	21	18	23	26	26	25	23	25	25	26	24	22	282	5-7
Ulcinj	1300	28	24	28	28	29	29	30	30	29	30	28	27	338	6-8
Zadar	1300	27	24	27	26	28	28	29	29	28	28	27	27	326	9-11
Northern Plains:															
Belgrade	1600	20	22	19	23	27	25	29	29	28	26	18	16	270	3-4
Osijek	1600	27	28	31	30	31	30	31	31	30	30	30	28	355	3-4
Pleso	1600	19	23	24	24	27	26	29	30	27	30	24	17	298	3-4
Interior Highlands:															
Banja Luka	1600	24	24	26	27	29	29	29	30	28	29	24	20	318	3-4
Kraljevo	1600	28	25	24	22	29	28	30	29	27	25	22	21	311	3-4
Ljubljana Airport	1600	16	18	23	20	23	25	26	27	24	27	21	13	263	3-4
Lesnica	1600	24	21	23	22	27	26	25	27	25	29	27	25	304	1-3
Sarajevo	1600	20	20	26	25	27	28	27	29	27	25	24	18	303	2-4
Skopje	1600	21	20	27	24	27	27	26	27	29	27	23	16	292	3-5
Coast and Islands:															
Otok Palagruža	1600	16	16	21	22	25	23	22	24	27	23	18	19	258	1-2
Pula	1600	22	18	20	21	24	25	26	28	25	24	22	22	278	3-4
Split	1600	17	18	18	22	25	24	26	27	24	21	18	16	256	3-4
Titograd	1600	23	20	20	26	24	23	21	21	22	27	26	21	272	2-3
Ulcinj	1600	26	20	24	21	24	27	22	26	23	23	21	23	280	1-2
Zadar	1600	29	26	27	27	29	30	29	30	28	29	27	28	337	3-4
Northern Plains:															
Belgrade	1900	18	17	22	23	27	28	29	29	27	25	19	16	279	10-11
Osijek	1900	28	25	29	29	30	29	30	31	29	30	28	28	347	9-11
Pleso	1900	18	20	26	27	29	28	30	30	29	28	21	17	301	9-11
Slavonski Brod	1900	25	22	29	29	31	29	30	30	30	29	26	23	333	5-6

FIGURE 52 (*Continued*)

REGION AND STATION	HOUR (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YRS REC
Interior Highlands:															
Banja Luka	1900	19	19	26	27	29	29	31	30	29	27	21	17	304	9–11
Kraljevo	1900	24	22	23	26	30	20	30	30	28	27	23	22	314	9–11
Ljubljana Airport	1900	13	15	22	25	27	28	29	31	28	25	17	13	273	9–11
Loznica	1900	25	23	26	28	29	28	30	31	29	29	26	23	328	3–6
Niš	1900	27	23	26	27	31	28	30	29	28	28	23	26	327	1–2
Peć	1900	26	25	30	27	29	29	29	30	30	31	28	29	343	2–4
Sarajevo	1900	22	22	26	28	30	29	31	30	29	28	25	20	320	9–11
Skopje	1900	22	22	28	26	30	28	29	30	29	29	25	20	317	9–11
Coast and Islands:															
Otok Palagruža	1900	17	14	18	21	23	22	24	23	22	21	16	20	239	5–7
Pula	1900	24	21	25	26	29	28	29	30	28	27	24	22	312	9–11
Split	1900	19	16	19	20	24	24	26	27	23	20	19	19	256	9–11
Titograd	1900	21	19	23	26	27	24	25	26	24	27	26	23	290	5–7
Ulcinj	1900	27	24	28	28	30	29	29	30	29	30	28	28	338	6–8
Zadar	1900	29	24	29	28	30	29	30	31	29	29	28	28	343	9–11

* Ceiling herein is defined as ≦5-eighths cloud cover.

FIGURE 53. MEAN DAILY MAXIMUM TEMPERATURE (°F.)

REGION AND STATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YRS REC
Northern Plains:														
Bačej	35	40	52	63	73	80	85	82	76	64	54	42	62	16
Belgrade	37	42	53	64	73	80	84	82	76	65	54	39	62	16
Bijeljina	37	43	52	64	73	80	85	82	76	64	54	39	62	16
Bilje	36	41	51	62	71	78	83	81	75	63	52	38	61	16
Bosanski Novi	36	42	53	62	70	77	82	81	72	62	49	40	60	19
Bukovik	38	41	51	62	70	77	83	81	74	64	53	39	61	16
Daruvar	38	42	51	62	70	77	82	79	73	61	51	38	60	16
Koprivnica	36	41	51	62	71	78	85	80	73	61	51	37	60	16
Kragujevac	38	42	52	64	72	78	85	83	76	65	54	40	62	16
Lepoglava	37	41	50	60	68	75	80	78	71	59	50	38	59	16
Novi Sad	37	42	51	63	72	78	84	80	75	64	53	39	62	16
Rakičan	35	40	50	62	71	79	83	80	71	59	49	37	60	16
Senta	36	40	51	63	73	80	84	83	76	64	52	37	62	16
Slavonski Brod	36	42	52	63	71	78	83	81	74	63	52	38	61	16
Veliko Gradište	37	41	52	63	72	70	84	82	76	64	54	39	62	16
Vršac	38	40	53	64	73	79	85	83	76	65	54	39	62	16
Zagreb	37	42	51	62	70	77	82	79	71	60	50	38	60	16
Interior Highlands:														
Babno Polje	25	37	44	54	63	71	76	74	65	55	46	35	55	16
Banja Luka	36	41	51	59	67	73	78	72	70	61	48	40	58	17
Bihać	36	41	50	58	66	73	77	77	69	60	48	41	58	15
Bitola	37	45	54	62	73	79	85	84	76	65	52	42	63	18
Bjelašnica	20	21	25	30	40	49	53	53	47	41	31	26	36	19
Bosanski Petrovac	33	38	46	54	63	70	76	75	67	59	46	39	55	19
Bosansko Grahovo	32	35	43	50	60	68	74	73	65	55	42	36	53	19
Celje	35	40	49	58	67	74	79	76	69	58	48	36	58	16
Cetinje	43	45	49	58	66	75	82	82	73	65	55	44	61	16
Demir Kapija	42	46	55	66	74	85	91	89	81	69	58	44	67	16
Golnik	35	39	47	55	64	72	76	74	66	55	46	35	55	16
Gospić	37	40	47	58	60	74	80	79	71	61	51	38	58	16
Kočani	42	45	56	65	73	82	88	87	81	70	58	44	66	16
Kolašin	37	40	45	55	62	69	77	76	66	60	50	37	56	16
Kosovska Mitrovica	38	41	51	61	69	77	83	82	75	65	54	41	61	16
Kraljevo	37	42	52	64	72	78	84	82	76	65	54	40	62	16
Kranjska Gora	32	36	44	53	62	70	73	72	64	53	42	32	53	16
Kruševac	38	42	53	63	71	79	84	83	77	66	55	39	62	16
Ljubljana	34	41	50	59	67	75	80	78	70	58	47	35	58	16
Maribor	36	41	50	59	67	75	79	76	69	59	49	37	58	16
Mlinište	28	32	38	44	54	62	66	66	59	51	38	32	48	16
Muta	33	35	42	50	57	66	69	67	61	52	44	34	51	16
Nikšić	43	45	51	58	67	75	83	82	73	66	55	44	62	16
Niš	39	43	53	64	73	80	85	85	78	67	54	42	64	25
Novo Mesto	36	41	50	60	67	74	79	77	71	59	49	37	58	16
Peć	39	43	53	64	71	79	84	83	76	65	55	40	63	16

FIGURE 53 (*Continued*)

REGION AND STATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YRS REC
Interior Highlands (*Continued*):														
Pirot	38	41	52	64	71	78	83	82	76	67	54	40	62	16
Prilep	40	42	51	62	70	78	84	83	76	66	55	41	62	16
Ravna Gora	34	36	42	52	60	68	73	71	64	54	46	34	53	16
Sarajevo	34	40	49	58	66	72	77	77	70	60	46	39	57	17
Skopje	40	44	55	65	74	83	80	87	80	69	56	42	65	16
Štip	41	45	55	65	74	83	80	88	80	69	57	43	66	16
Struga	42	42	50	60	68	76	80	80	73	63	55	44	61	16
Titovo Užice	35	40	50	61	68	75	82	79	73	63	51	36	59	16
Vranje	38	41	52	62	71	79	85	83	77	66	55	39	63	16
Zaječar	35	39	51	63	73	80	86	85	77	65	51	39	62	16
Coast and Islands:														
Dubrovnik	50	52	58	63	70	76	80	79	75	69	60	52	65	15
Hvar	55	55	58	64	71	79	83	83	78	71	64	55	68	16
Kraljevica	48	49	55	62	70	78	84	83	76	66	58	48	65	16
Mostar	48	51	59	67	75	85	92	91	82	71	60	49	69	16
Otok Palagruža	53	53	56	61	69	77	82	82	76	68	60	57	66	4–7
Pula	46	49	53	57	65	71	78	76	71	64	57	51	62	44
Rab	50	51	56	63	71	78	84	83	78	67	59	54	66	13
Senj	46	48	55	62	71	79	84	84	76	66	58	47	65	16
Split	51	52	57	64	72	81	87	87	79	69	61	51	68	16
Titograd	50	53	59	68	77	86	93	92	81	74	62	50	70	16
Ulcinj	50	52	57	64	71	79	84	85	78	70	60	55	67	6–8

FIGURE 54. MEAN DAILY MINIMUM TEMPERATURE (°F.)

REGION AND STATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YRS REC
Northern Plains:														
Bečej	25	26	34	43	52	58	62	60	53	45	39	28	44	16
Belgrade	26	27	36	44	53	58	62	60	55	47	41	29	45	16
Bijeljina	25	25	33	41	49	55	59	56	51	43	38	28	42	16
Bilje	23	24	32	41	49	55	58	57	50	43	37	26	41	16
Bosanski Novi	26	29	37	45	54	61	63	60	54	47	37	32	46	19
Bukovik	23	24	32	41	50	55	59	57	51	44	37	26	42	16
Daruvar	25	26	34	42	50	55	58	56	51	44	38	27	42	16
Koprivnica	24	25	33	41	49	54	57	56	50	43	37	28	41	16
Kragujevac	25	26	34	42	51	57	60	58	53	46	40	29	43	16
Lepoglava	20	26	34	42	50	55	57	57	52	45	38	28	42	15
Novi Sad	26	27	35	45	53	59	63	61	55	47	39	28	45	16
Rakičan	24	26	32	40	48	54	57	56	50	42	36	27	41	16
Senta	23	24	32	41	50	56	59	57	51	43	37	26	42	16
Slavonski Brod	26	26	35	43	51	57	60	58	52	44	39	29	43	16
Veliko Gradište	24	25	33	42	52	57	60	58	52	45	37	28	43	16
Vršac	26	27	36	44	54	59	62	61	55	47	41	30	45	16
Zagreb	28	30	37	46	53	59	62	61	55	47	41	31	46	16
Interior Highlands:														
Babno Polje	18	18	27	34	41	46	49	47	44	37	32	21	34	16
Banja Luka	27	30	38	47	57	64	66	63	55	48	39	34	47	17
Bihać	29	32	39	48	57	65	67	64	56	49	40	35	48	15
Bitola	23	29	36	42	50	55	59	58	53	46	37	31	43	18
Bjelašnica	13	14	19	24	33	40	44	44	39	34	24	19	29	19
Bosanski Petrovac	25	28	36	43	53	59	63	61	53	47	37	31	45	19
Bosansko Grahovo	25	27	33	41	51	57	62	60	52	45	35	30	43	19
Celje	23	24	32	40	48	55	57	56	51	43	37	25	41	16
Cetinje	23	24	30	39	45	52	53	54	49	43	30	30	40	16
Demir Kapija	30	31	39	45	54	60	65	64	58	49	42	32	47	16
Golnik	26	27	33	40	48	54	56	55	51	43	37	27	41	16
Gospić	21	19	30	37	42	49	52	50	46	40	35	24	37	16
Kočani	27	28	34	42	51	57	61	60	54	47	39	30	44	16
Kolašin	20	20	27	36	42	46	47	48	43	39	36	26	36	16
Kosovska Mitrovica	24	24	31	39	47	53	56	55	49	42	37	27	40	16
Kraljevo	24	24	33	41	49	55	58	56	50	43	37	28	42	16
Kranjska Gora	19	20	27	34	42	48	51	50	47	38	32	21	36	16
Kruševac	23	23	32	41	49	55	58	56	50	43	38	27	41	16
Ljubljana	24	25	33	40	48	54	56	55	51	43	37	26	41	16
Maribor	24	25	33	40	48	54	58	57	51	43	37	26	41	16
Minište	21	23	28	36	46	53	55	54	48	41	30	26	38	16

FIGURE 54 (*Continued*)

REGION AND STATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YRS REC
Interior Highlands (*Continued*):														
Muta	22	22	28	36	45	51	54	53	48	40	33	23	38	16
Nikšić	25	26	32	30	46	53	55	56	50	43	39	31	41	16
Niš	26	27	34	42	51	56	60	58	53	45	39	29	43	25
Novo Mesto	23	24	31	39	47	54	57	55	50	42	37	26	40	16
Peć	25	25	33	41	49	55	60	58	53	45	37	26	42	16
Pirot	22	23	30	38	48	53	56	55	49	43	37	26	40	16
Prilep	27	27	33	41	49	55	60	56	53	46	39	29	43	16
Ravna Gora	20	19	20	35	43	48	50	49	45	39	33	22	36	16
Sarajevo	22	26	33	41	48	53	60	55	50	44	35	20	41	17
Skopje	26	27	34	42	50	56	60	58	52	45	38	29	43	16
Štip	27	28	35	43	51	57	62	60	54	46	40	29	44	16
Struga	28	27	33	41	48	53	56	55	50	45	38	30	42	16
Titovo Užice	22	23	30	38	47	53	55	55	48	41	35	24	39	16
Vranje	24	25	33	41	49	55	58	57	51	44	38	28	42	16
Zaječar	21	26	32	40	47	53	56	53	48	42	35	26	40	16
Coast and Islands:														
Dubrovnik	46	46	51	57	65	71	76	76	70	64	55	49	61	15
Hvar	42	42	46	51	58	65	70	69	65	58	53	45	55	16
Kraljevica	38	37	42	48	56	62	68	66	61	53	48	39	51	16
Mostar	37	37	43	48	55	62	66	66	61	54	48	39	51	16
Otok Palagruža	47	46	48	53	59	67	71	72	67	60	54	51	58	5-7
Pula	34	36	41	50	54	63	67	68	59	51	46	36	50	44
Rab	40	41	43	50	58	64	69	68	63	55	48	44	54	13
Senj	37	37	43	49	56	64	68	67	62	54	48	38	52	16
Split	41	40	46	51	57	65	70	69	63	57	51	42	54	16
Titograd	31	35	41	49	56	64	68	68	62	54	48	37	55	16
Ulcinj	40	41	45	51	58	65	69	69	64	57	49	45	54	6-8

FIGURE 55. ABSOLUTE MAXIMUM TEMPERATURE (°F.)

REGION AND STATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YRS REC
Northern Plains:														
Bečej	63	68	80	90	91	103	106	106	95	93	82	69	106	15
Belgrade	68	70	86	88	92	98	103	107	96	94	85	70	107	31
Bilje	65	68	70	85	80	90	100	98	93	86	78	63	100	16
Bosanski Novi	66	70	81	86	96	97	102	99	100	93	78	64	102	19
Bukovik	67	67	80	84	80	95	106	105	96	95	73	68	106	14
Koprivnica	60	65	75	86	87	96	100	95	91	83	74	61	100	12
Kragujevac	60	67	82	88	92	97	107	104	99	94	84	69	107	16
Lepoglava	58	62	72	80	86	96	97	93	80	79	68	59	97	12
Novi Sad	66	69	76	85	90	99	102	100	94	92	82	68	102	16
Rakičan	58	62	77	86	93	102	100	97	91	81	70	59	102	13
Slavonski Brod	67	69	81	85	89	99	103	102	93	90	77	64	103	18
Veliko Gradište	64	63	70	87	90	98	103	102	96	96	86	64	103	15
Vršac	63	64	78	90	92	101	103	103	96	95	83	64	103	16
Zagreb	64	67	74	81	87	90	90	94	90	83	73	65	90	22
Interior Highlands:														
Babno Polje	50	57	68	78	88	93	91	91	82	74	66	56	93	16
Banja Luka	68	72	81	84	91	97	100	106	95	88	77	68	106	28
Bihać	64	71	73	70	88	80	98	93	90	80	70	64	98	17
Bitola	60	67	70	84	93	99	99	102	95	90	80	66	102	18
Bjelašnica	44	40	42	53	62	77	77	77	60	50	53	45	77	30
Bosanski Petrovac	60	66	73	82	85	88	94	95	95	83	71	63	95	19
Bosansko Grahovo	53	58	68	72	87	87	92	99	80	76	71	57	99	19
Celje	58	60	71	78	86	96	95	92	84	78	68	56	96	15
Cetinje	59	63	67	76	86	94	99	96	94	90	72	63	99	14
Golnik	50	58	68	77	81	94	80	90	83	74	65	53	94	10
Kosovska Mitrovica	64	61	77	83	88	94	103	101	91	88	77	62	103	15
Kraljevo	66	67	85	87	92	96	112	105	96	98	75	69	112	12
Kruševac	67	66	81	90	91	97	108	100	95	95	76	68	109	11
Ljubljana	56	63	74	82	86	100	96	95	80	80	69	59	100	16
Maribor	61	63	73	82	84	98	96	92	88	76	71	64	98	16
Miniš	53	59	63	71	83	84	86	85	85	77	69	53	86	16
Muta	50	58	64	69	80	91	84	89	82	76	67	55	91	14
Niš	64	71	92	88	96	103	107	108	103	95	84	71	108	25

FIGURE 55 (*Continued*)

REGION AND STATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YRS REC
Interior Highlands (*Continued*):														
Novo Mesto	61	63	72	81	86	90	98	98	94	70	73	63	90	14
Poć	59	63	70	85	87	95	103	103	93	87	73	64	103	11
Prilep	61	60	75	83	88	99	102	103	95	89	75	66	103	16
Ravna Gora	53	62	67	75	81	94	90	90	82	76	70	59	94	14
Sarajevo	64	68	79	86	90	95	98	104	100	82	72	66	104	31
Skopje	68	75	94	96	97	102	106	106	103	94	77	70	106	31
Štip	63	70	78	85	91	100	107	103	98	93	75	67	107	14
Struga	58	60	72	77	84	91	96	93	87	82	73	58	96	14
Vranje	58	61	75	84	88	101	102	101	95	90	70	68	102	5
Coast and Islands:														
Dubrovnik	61	66	78	82	88	90	93	90	87	84	70	65	93	16
Hvar	66	66	68	76	85	90	98	96	91	80	72	66	99	10
Kraljevica	66	68	70	70	86	97	101	100	93	93	73	64	101	14
Mostar	64	75	77	88	93	104	105	108	102	93	82	65	108	15
Otok Palagruža	64	64	70	72	81	90	91	91	86	82	70	70	91	4–7
Pula	61	61	71	81	88	93	97	95	91	81	70	65	97	40
Rab	67	65	69	70	88	92	99	97	92	80	72	64	99	13
Senj	64	66	73	78	80	90	97	98	93	83	73	66	99	12
Split	64	70	72	84	91	97	100	99	95	87	73	66	100	30
Titograd	61	68	70	88	90	99	104	106	102	88	72	64	106	4–6
Vlolnj	63	68	75	79	86	97	97	99	91	86	72	66	99	6–8

FIGURE 56. ABSOLUTE MINIMUM TEMPERATURE (°F.)

REGION AND STATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YRS REC
Northern Plains:														
Bečej	−9	−21	0	19	27	34	49	44	32	25	9	−13	−21	16
Belgrade	−4	−14	6	21	29	36	48	45	35	0	12	−3	−14	31
Bilje	−11	−21	−1	22	25	37	45	45	31	20	17	−13	−21	16
Bosanski Novi	−5	0	11	24	33	45	50	45	33	27	7	4	−5	19
Bukovik	−11	−10	−7	18	28	38	46	43	30	20	20	−9	−10	14
Koprivnica	−10	−18	1	25	26	30	25	42	28	25	23	7	−18	12
Kragujevac	−9	−23	−16	20	30	40	45	42	33	25	19	−13	−23	16
Leopoglava	−19	−21	3	22	27	30	37	45	32	28	23	−3	−21	12
Novi Sad	−16	−15	2	22	32	30	51	46	37	27	15	−10	−16	16
Rakičan	−10	−15	−1	23	27	36	42	30	30	25	14	−8	−15	13
Slavonski Brod	−4	−13	3	22	27	37	40	45	32	25	14	0	−13	18
Velika Gradiška	−16	−23	2	22	30	40	44	42	30	28	21	−11	−23	15
Vršac	−13	−19	3	20	28	41	47	44	34	28	22	−13	−19	16
Zagreb	−12	−23	0	23	28	32	41	40	30	24	4	−15	−23	22
Interior Highlands:														
Babno Polje	−21	−27	−6	8	20	30	33	33	21	9	−17	−16	−27	16
Banja Luka	−8	15	3	23	30	34	45	43	34	28	14	−4	−15	28
Bihać	−6	−9	7	20	32	47	52	49	32	19	10	−7	−9	17
Bitola	−18	−11	2	25	35	37	42	45	30	20	13	−13	−18	18
Bjelašnica	−28	−22	−16	−2	13	19	27	27	13	4	−9	−15	−28	30
Bosanski Petrovac	−8	−1	10	15	31	43	43	45	32	20	8	−4	−8	19
Bosansko Grahovo	−10	0	5	19	30	40	38	43	34	25	9	0	−10	19
Celje	−16	−24	2	22	26	38	43	43	30	25	10	−13	−24	15
Cetinje	−9	−7	−5	21	27	38	41	42	28	20	18	−5	−9	14
Golnik	5	−3	12	24	31	30	45	44	33	27	10	2	−3	10
Kosovska Mitrovica	−15	−9	−5	17	27	38	36	30	27	25	19	−9	−15	15
Kraljevo	−14	−14	−7	19	29	41	41	42	34	24	18	−12	−14	12
Kruševac	−19	−14	−4	19	31	30	40	42	29	24	20	−8	−19	11
Ljubljana	−5	−14	6	24	29	30	45	42	31	29	4	−4	−14	16
Maribor	−9	−11	3	23	26	37	44	43	32	25	12	−6	−11	16
Miniĉe	−14	−7	−6	8	24	33	37	34	22	18	4	−8	−14	16
Muta	1	−3	3	18	23	28	28	35	29	25	14	0	−3	14
Niš	−9	−7	6	19	31	36	44	41	30	26	7	−3	−9	25
Novo Mesto	−7	−23	3	22	29	34	43	40	30	25	18	−7	−23	14
Poć	−8	−3	3	20	31	42	41	44	32	23	12	−2	−8	11
Prilep	−4	−5	4	22	33	40	42	43	29	29	20	0	−5	16
Ravna Gora	−14	−26	−5	10	21	28	34	33	24	8	3	−14	−26	14
Sarajevo	−14	−22	−3	21	27	34	41	38	29	15	8	−9	−22	31
Skopje	−11	−11	−1	24	28	37	42	42	26	24	12	−7	−11	31

FIGURE 56 (*Continued*)

REGION AND STATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YRS REC
Interior Highlands (*Continued*):														
Štip	−12	−3	3	24	33	40	47	43	29	25	17	−10	−15	14
Struga	1	−1	11	28	32	39	30	42	31	28	20	5	−1	14
Vranje	−6	−4	10	23	21	38	38	42	27	24	10	−7	−7	15
Coast and Islands:														
Dubrovnik	24	24	20	42	47	58	63	60	54	38	30	27	24	19
Hvar	23	23	27	35	41	55	57	58	46	45	37	27	23	10
Kraljevica	14	3	20	32	30	47	55	45	43	37	30	17	3	14
Mostar	18	12	25	32	32	40	46	40	39	35	20	10	12	15
Otok Palagruža	25	30	30	34	45	52	54	57	50	45	43	41	25	5–7
Pula	10	12	23	28	34	47	52	51	39	33	25	20	12	40
Rab	14	18	20	37	41	50	54	56	51	37	30	28	14	13
Senj	0	−1	10	32	40	50	52	49	42	38	32	13	−1	12
Split	17	18	27	33	42	50	50	54	45	37	26	21	17	30
Titograd	14	10	25	36	41	52	57	52	52	41	23	10	14	4–5
Ulcinj	18	19	28	34	45	50	52	54	48	43	32	25	18	6–8

FIGURE 57. MEAN NUMBER OF DAYS WITH MAXIMUM TEMPERATURE ≥86° F.

REGION AND STATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YRS REC
Northern Plains:														
Bačoj	0	0	0	*	2	8	15	11	4	*	0	0	41	16
Belgrade	0	0	*	*	1	7	14	10	4	1	0	0	37	16
Bilje	0	0	0	0	*	5	11	9	5	*	0	0	30	16
Koprivnica	0	0	0	*	*	5	11	7	1	0	0	0	25	12
Kragujevac	0	0	0	*	1	7	14	11	4	1	0	0	38	16
Lepoglava	0	0	0	0	*	3	8	4	1	0	0	0	16	12
Sonta	0	0	0	*	1	8	15	11	4	*	0	0	39	16
Slavonski Brod	0	0	0	0	*	6	12	10	3	*	0	0	32	15
Veliko Gradište	0	0	0	*	1	7	14	11	4	*	*	0	37	15
Vršac	0	0	0	*	2	8	15	11	5	*	0	0	42	16
Zagreb	0	0	0	0	*	3	8	5	1	0	0	0	17	16
Interior Highlands:														
Bjelašnica	0	0	0	0	0	0	0	0	0	0	0	0	0	16
Cetinje	0	0	0	0	*	3	11	11	2	*	0	0	27	14
Gospić	0	0	0	0	*	2	5	5	*	0	0	0	14	10
Kosovska Mitrovica	0	0	0	0	*	5	11	10	2	*	0	0	29	15
Kruševac	0	0	0	*	1	8	15	12	5	1	0	0	42	11
Ljubljana	0	0	0	0	*	2	6	5	1	0	0	0	14	16
Niš	0	0	0	*	1	7	16	12	5	*	0	0	42	16
Peć	0	0	0	0	*	6	16	11	4	*	0	0	38	10
Prilep	0	0	0	0	*	5	14	13	3	1	0	0	37	16
Ravna Gora	0	0	0	0	0	*	*	1	0	0	0	0	1	14
Sarajevo	0	0	0	*	*	4	9	8	2	0	0	0	23	16
Skopje	0	0	*	*	1	11	22	18	7	1	0	0	59	16
Struga	0	0	0	0	0	1	5	4	*	0	0	0	10	14
Vranje	0	0	0	0	1	7	16	14	5	1	0	0	43	15
Coast and Inlands:														
Hvar	0	0	0	0	0	3	9	8	1	*	0	0	20	10
Kraljevica	0	0	0	0	*	5	14	11	1	*	0	0	31	14
Mostar	0	0	0	*	3	14	25	25	13	1	0	0	81	15
Otok Palagruža**	0	0	0	0	0	*	1	2	0	0	0	0	3	4–7
Pula**	0	0	0	0	0	*	2	2	*	0	0	0	4	9–10
Senj	0	0	0	0	1	5	13	12	2	0	0	0	32	13
Split**	0	0	0	0	*	3	8	9	1	0	0	0	20	9–10
Titograd**	0	0	0	0	1	9	17	19	6	0	0	0	53	4–6

* <0.5 day.

** Mean number of days with maximum temperature ≥100° F.

FIGURE 58. MEAN NUMBER OF DAYS WITH MINIMUM TEMPERATURE ≤32° F.

REGION AND STATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YRS REC
Northern Plains:														
Beèej	23	19	12	2	*	0	0	0	*	1	5	19	81	16
Belgrade	22	18	11	1	*	0	0	0	0	*	4	18	75	16
Bilje	25	21	15	3	*	0	0	0	*	2	8	24	98	16
Koprivnica	25	21	18	2	*	*	0	0	*	2	7	21	91	13
Kragujevac	23	20	12	2	*	0	0	0	0	2	5	18	82	16
Lepoglava	23	19	12	2	*	0	0	0	*	1	6	20	82	12
Senta	25	22	15	4	*	0	0	0	*	1	7	21	95	16
Slavonski Brod	23	19	10	2	*	0	0	0	*	1	4	17	76	15
Veliko Gradište	25	20	14	2	*	0	0	0	*	1	6	20	88	15
Vršac	21	17	12	2	*	0	0	0	0	1	4	17	73	16
Zagreb	20	15	7	*	*	*	0	0	*	*	2	16	60	16
Interior Highlands:														
Bjelašnica	31	28	31	24	10	3	1	1	4	12	19	30	194	16
Cetinje	25	23	17	3	*	0	0	0	*	2	9	19	98	14
Gospić	26	24	20	9	1	0	0	0	1	6	13	23	122	10
Kosovska Mitrovica	25	21	15	3	*	0	0	0	*	2	8	19	94	15
Kruševac	24	22	13	2	*	0	0	0	*	2	8	20	91	11
Ljubljana	24	20	14	3	*	0	0	0	*	2	6	21	91	16
Niš	23	19	12	3	*	0	0	0	*	1	4	18	80	16
Peć	25	20	13	2	*	0	0	0	*	2	8	21	91	10
Prilep	23	19	13	2	0	0	0	0	*	1	5	16	78	15
Ravna Gora	26	24	21	10	2	*	0	0	1	8	13	25	131	14
Sarajevo	25	21	14	4	*	0	0	0	*	2	7	21	93	16
Skopje	23	20	12	2	*	0	0	0	*	2	7	18	84	16
Struga	21	20	11	2	*	0	0	0	*	*	4	16	74	14
Vranje	24	22	14	3	*	0	0	0	*	1	7	20	91	15
Coast and Islands:														
Hvar	2	2	1	0	0	0	0	0	0	0	0	2	7	10
Kraljevica	6	6	2	*	0	0	0	0	0	0	*	5	19	14
Mostar	6	6	1	*	*	0	0	0	0	0	*	3	16	15
Otok Palagruža	*	1	*	0	0	0	0	0	0	0	0	0	2	5-7
Pula	9	8	5	*	0	0	0	0	0	0	1	3	26	9-10
Senj	7	8	2	*	0	0	0	0	0	0	*	6	23	12
Split	2	3	2	0	0	0	0	0	0	0	*	1	9	9-10
Titograd	7	9	4	0	0	0	0	0	0	0	2	6	28	4-6

* <0.5 day.

FIGURE 59. MEAN RELATIVE HUMIDITY (%) AT SPECIFIED HOURS

REGION AND STATION	HOUR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YRS REC
	(LST)														
Northern Plains:															
Belgrade	0700	88	84	79	74	70	76	73	76	80	85	86	88	80	16
Osijek	0700	92	91	90	86	84	82	83	85	90	94	94	92	89	9-11
Slavonski Brod	0700	90	89	86	83	84	85	80	82	91	93	93	92	87	3-5
Zagreb	0700	86	86	83	79	81	80	80	82	86	89	87	87	84	17
Interior Highlands:															
Banja Luka	0700	85	86	86	83	82	81	82	86	91	92	89	88	86	18
Bihać	0700	81	81	81	77	76	76	77	80	87	87	84	82	81	17
Kraljevo	0700	90	87	85	80	82	81	70	79	85	90	91	89	85	9-11
Ljubljana Airport	0700	95	4	93	93	93	92	95	97	98	97	95	95	95	9-11
Loznica	0700	90	87	85	79	82	81	78	80	86	92	92	90	85	3-6
Niš	0700	88	86	83	79	80	78	82	77	82	87	88	88	83	25
Peć	0700	85	85	81	75	79	77	71	70	80	87	89	88	81	3-4
Sarajevo	0700	85	82	80	78	80	82	82	82	85	87	84	84	82	19
Skopje	0700	92	90	87	81	81	75	68	72	83	89	93	93	87	10
Coast and Islands:															
Hvar	0700	70	69	69	70	69	66	63	64	69	74	72	71	69	60
Mostar	0700	68	69	70	69	68	66	61	62	70	76	70	71	68	18
Otok Palagruža	0700	77	80	83	84	83	81	77	77	80	81	80	82	80	5-7
Pula	0700	78	78	77	76	73	71	67	69	75	78	79	80	75	9-11
Senj	0700	74	74	73	75	77	72	66	70	72	74	75	74	73	6
Split	0700	63	63	66	64	63	61	55	53	59	65	70	67	62	9-11
Titograd	0700	78	77	69	71	68	61	55	51	60	72	82	78	68	5-8
Ulcinj	0700	75	74	72	75	79	73	71	69	73	75	76	76	74	6-8
Zadar	0700	76	77	79	78	76	75	71	75	77	80	81	80	77	9-11
Northern Plains:															
Belgrade	1400	77	67	56	50	52	51	47	46	50	59	70	79	59	16
Osijek	1300	81	76	64	56	58	57	54	52	53	60	78	82	64	9-11
Slavonski Brod	1300	80	73	59	54	56	60	55	54	56	64	76	81	64	5-7
Zagreb	1400	76	71	62	56	56	55	54	55	62	70	73	80	64	17
Interior Highlands:															
Banja Luka	1400	77	72	61	57	60	61	58	59	64	71	76	80	66	18
Bihać	1400	74	70	59	56	56	57	56	55	61	67	72	74	63	17
Kraljevo	1300	79	72	62	54	57	57	54	48	51	61	73	77	62	9-11
Ljubljana Airport	1300	87	79	65	59	58	60	60	61	67	74	83	87	70	9-11
Loznica	1300	77	71	59	50	58	56	52	45	52	62	73	78	61	3-5
Niš	1400	78	68	58	52	54	52	46	46	49	59	70	75	60	25
Peć	1300	77	70	56	54	58	58	56	51	53	64	75	77	63	3-6
Sarajevo	1400	73	66	58	55	57	59	54	53	59	67	71	77	62	19
Skopje	1400	79	69	56	50	53	48	41	39	48	60	70	77	58	10
Coast and Islands:															
Hvar	1400	62	61	60	62	61	60	57	57	60	65	64	65	61	60
Mostar	1400	56	53	47	47	47	45	37	35	42	51	54	61	48	18
Otok Palagruža	1300	74	75	75	74	73	69	66	62	70	73	76	77	72	5-8
Pula	1300	66	65	62	61	59	57	54	54	56	62	68	69	61	9-11
Senj	1400	71	69	67	68	70	63	65	59	64	67	71	72	66	6
Split	1300	58	57	57	54	54	51	45	43	49	57	65	63	54	9-11
Titograd	1300	62	58	54	51	51	45	39	35	43	55	67	65	52	5-7
Ulcinj	1300	67	67	64	66	70	65	61	60	61	63	67	67	65	6-8
Zadar	1300	65	64	63	60	61	58	56	55	59	64	68	66	62	9-11

FIGURE 60. MEAN PRECIPITATION (INCHES)

REGION AND STATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YRS REC
Northern Plains:														
Belgrade	1.3	1.2	1.6	2.4	2.8	3.0	2.6	1.9	1.7	2.4	1.9	1.6	24.4	33
Bosanski Novi	2.1	2.3	2.9	4.0	4.4	4.6	3.4	3.5	4.0	4.2	3.1	3.4	41.9	19
Čakovec	2.0	1.5	2.6	3.4	3.5	4.3	3.0	4.1	3.7	4.4	2.6	2.2	38.2	49
Đurđevac	1.6	1.8	2.6	2.2	4.1	3.4	2.8	3.1	3.2	4.1	3.2	2.4	34.5	16
Hoh	1.7	1.7	2.1	2.4	2.8	2.3	1.9	3.1	2.4	2.6	2.5	2.4	27.9	16
Kragujevac	1.6	2.3	1.4	2.0	2.7	3.4	2.0	1.9	1.5	1.9	2.4	1.8	24.9	19
Novska	2.1	2.1	2.5	2.7	4.0	3.9	2.7	2.7	3.2	3.7	3.7	2.6	35.1	16
Osijek	1.3	1.2	1.6	2.4	3.0	3.1	2.4	2.3	2.2	2.5	2.0	1.7	25.7	29
Slavonski Brod	1.8	1.4	1.9	2.2	3.3	3.4	2.3	2.8	2.7	3.7	2.9	2.2	30.6	16
Subotica	1.3	1.3	1.6	1.7	2.8	2.6	2.3	2.1	2.2	2.6	1.9	1.7	24.1	16
Vršac	1.8	1.3	1.7	1.9	3.6	3.3	2.3	2.6	2.2	2.4	1.7	2.3	27.1	16
Zagreb	1.8	1.9	2.2	2.8	3.1	3.9	3.2	3.2	3.4	3.9	3.1	2.4	34.9	64

FIGURE 60 (*Continued*)

REGION AND STATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YRS REC
Interior Highlands:														
Ajdovščina	4.3	3.1	6.0	4.7	5.7	5.6	3.7	4.9	7.6	7.3	7.8	4.7	65.4	16
Banja Luka	2.4	2.3	2.8	4.2	4.9	4.8	3.9	3.9	4.0	4.1	3.1	3.3	43.7	19
Bihać	3.2	3.6	3.2	4.2	4.3	4.7	3.4	3.7	5.9	5.9	5.8	4.2	50.2	20
Bijelo Polje	1.4	1.8	2.2	2.8	3.5	2.8	2.4	2.1	2.1	4.7	3.6	2.7	32.1	16
Bitola	2.5	2.7	2.0	2.7	3.0	2.3	1.5	1.4	1.3	3.3	2.7	2.6	28.0	15
Bjelašnica	7.4	7.1	8.0	7.6	6.7	6.4	4.3	4.2	5.2	7.4	7.1	7.9	79.3	36
Bosanski Petrovac	2.3	2.5	2.8	3.5	4.7	4.7	3.8	3.1	4.3	4.3	4.1	3.9	44.1	19
Bosansko Grahovo	3.4	4.4	5.1	5.6	5.8	4.6	3.3	3.5	5.4	7.4	6.7	6.9	62.1	19
Breginj	4.7	4.9	8.2	9.4	11.0	11.0	7.2	8.6	9.2	13.8	13.8	6.3	108.1	16
Cetinje	17.2	9.5	14.1	13.8	7.9	5.5	2.6	5.5	9.2	16.3	10.8	18.3	130.7	49
Crkvica	18.7	18.5	19.3	18.1	10.9	6.2	2.6	2.7	9.6	22.2	20.9	20.7	182.7	22
Dobar	2.4	2.5	3.0	2.9	2.7	1.8	0.9	1.3	2.1	4.3	4.1	4.9	32.9	16
Dojkinci	2.5	2.1	2.6	3.5	4.7	4.3	2.2	3.0	1.9	3.3	2.6	3.3	36.0	16
Foča	2.6	1.8	2.6	2.8	3.3	2.7	1.9	2.6	3.2	5.7	3.7	3.5	36.4	16
Goransko	3.7	3.7	5.8	4.6	5.6	4.1	2.4	2.6	3.9	8.0	7.0	7.2	58.6	16
Knin	3.0	3.4	3.5	3.1	4.7	3.0	1.8	2.6	4.3	5.4	5.2	4.4	44.4	16
Kolašin	13.0	7.1	10.6	10.4	5.9	4.1	1.9	4.1	6.9	11.8	14.9	13.8	104.5	49
Konjsko	3.9	3.2	3.8	3.5	3.3	2.2	1.3	1.0	1.3	4.3	3.7	5.5	37.0	16
Laško	2.3	2.0	3.3	4.2	4.9	6.5	4.9	5.0	4.3	5.3	3.7	2.6	49.0	49
Ljubljana	3.5	2.8	4.4	4.7	5.8	5.7	4.5	6.0	7.6	7.8	6.4	4.6	63.8	16
Maribor	1.7	1.7	2.4	3.0	4.5	4.0	3.8	4.8	4.5	4.8	3.4	2.5	41.7	16
Milništе	5.5	5.1	5.1	6.2	6.5	5.8	4.6	4.6	5.3	5.8	5.1	5.8	65.4	16
Nevesinje	5.2	4.8	6.7	6.1	5.9	3.8	1.9	3.3	5.0	8.1	10.9	8.5	70.2	16
Nikšić	13.1	6.7	9.8	9.7	5.5	3.8	1.8	3.8	6.5	11.4	13.9	12.8	98.8	50
Niš	1.3	1.8	1.5	2.2	1.9	2.7	1.7	1.8	1.7	2.5	2.4	1.4	22.9	49
Novi Pazar	2.2	2.2	2.7	2.8	3.1	4.1	2.8	2.1	2.8	4.0	2.8	2.8	34.4	49
Ohrid	2.5	2.2	2.6	2.4	2.4	1.4	0.6	0.7	1.7	3.7	3.5	4.5	28.2	16
Peć	2.3	2.6	2.5	2.0	3.5	3.7	1.8	1.7	2.2	4.5	3.6	4.6	35.0	16
Pljevlja	2.6	2.6	3.1	3.2	3.6	4.7	3.2	2.5	3.2	4.7	3.3	3.3	40.0	49
Podgrad	3.7	2.9	5.2	4.6	5.8	5.4	4.1	4.4	6.1	7.0	8.2	3.9	61.3	16
Prilep	1.3	1.0	1.4	2.1	2.4	2.2	1.1	1.1	1.5	2.6	2.0	2.4	21.1	16
Priština	1.5	1.2	1.6	1.9	3.6	1.8	1.8	1.8	1.9	2.9	2.0	2.0	24.0	16
Prizren	3.3	2.2	2.8	2.8	3.7	2.6	1.9	1.9	2.3	4.3	3.6	5.0	36.4	16
Sarajevo	2.3	2.1	2.9	2.7	3.2	3.7	2.5	2.5	3.0	3.8	3.2	2.8	34.7	50
Sasa	3.0	2.6	3.0	3.4	3.7	3.3	2.1	1.8	1.6	3.0	3.3	5.4	37.1	16
Sinji Vrh	3.4	3.0	3.3	3.0	5.0	4.9	3.8	4.5	5.7	6.9	5.7	4.6	50.1	16
Skopje	1.8	1.6	1.5	1.3	2.0	1.9	1.4	1.5	1.7	2.3	2.8	1.7	21.5	30
Studenci	5.6	5.4	6.2	4.8	5.0	3.8	2.2	2.7	3.6	8.0	10.8	8.9	67.0	16
Šuica	3.4	2.7	3.8	2.4	3.7	3.0	1.8	2.8	3.5	7.2	8.1	5.7	48.7	16
Tanda	2.2	1.3	1.7	2.6	3.6	2.6	1.9	2.0	1.4	2.6	2.0	2.6	26.5	16
Titovo Užice	2.0	2.0	2.4	2.6	3.9	4.9	3.6	1.9	2.1	2.5	2.9	2.2	33.0	49
Trebinje	9.8	8.5	9.8	9.2	6.5	5.2	2.0	3.0	5.4	12.6	15.1	13.9	101.0	16
Žabljak	5.7	5.5	6.4	5.5	5.9	5.1	4.0	3.7	5.4	11.2	13.8	8.6	80.8	16
Zenica	1.6	1.5	1.8	2.2	3.1	3.2	2.6	3.1	3.0	3.8	2.9	2.6	31.4	16
Zvornik	2.2	1.9	2.3	3.2	4.0	5.0	3.7	3.0	3.0	3.2	2.4	2.8	36.7	19
Coast and Islands:														
Bar	5.4	5.4	5.0	5.1	3.5	2.2	0.7	1.2	4.0	8.2	6.9	8.2	55.8	16
Cesarica	4.8	4.4	6.1	4.9	6.1	4.2	2.0	2.5	5.9	7.7	9.1	6.9	64.6	16
Dubrovnik	7.5	4.1	4.9	5.1	3.1	2.8	1.8	1.9	4.6	7.6	6.1	7.1	56.6	19
Herceg-novi	4.1	4.2	4.6	3.7	2.4	1.6	0.8	1.3	2.6	4.0	4.3	4.9	38.4	28
Hvar	3.0	2.5	2.8	2.3	1.6	1.5	0.8	1.5	2.5	3.8	4.4	4.1	30.8	60
Korčula	4.6	3.9	3.2	3.3	2.6	1.6	1.2	1.0	2.6	4.2	5.4	6.4	40.0	16
Kraljevica	3.4	3.0	4.9	4.1	5.6	4.3	2.5	3.6	6.3	7.6	6.9	5.4	57.6	16
Mali Lošinj	2.7	2.2	2.6	2.2	3.2	1.7	1.2	1.7	4.1	4.7	4.5	3.5	34.3	16
Metković	4.3	4.3	4.1	3.3	3.3	2.1	1.7	1.9	4.3	6.6	7.2	7.4	50.5	16
Mostar	5.0	4.7	5.2	5.2	3.1	3.3	1.9	1.7	4.0	6.5	7.3	7.2	55.1	20
Obrovac	3.5	4.1	3.5	3.3	4.9	3.1	1.4	2.1	4.1	5.7	7.0	6.1	48.8	16
Pazin	3.3	3.0	4.3	3.1	5.0	4.4	3.0	3.4	5.0	6.1	6.7	3.8	51.1	16
Poreč	2.4	1.8	3.1	2.3	3.5	2.3	2.1	2.8	4.4	4.6	4.7	2.6	36.5	16
Pula	1.4	2.0	2.2	1.5	2.1	1.6	1.0	1.5	3.5	3.1	4.2	2.3	27.3	16
Rab	3.0	2.0	3.1	3.0	4.0	3.4	1.9	1.8	4.8	5.6	5.1	4.2	41.9	16
Split	3.1	2.5	3.2	3.0	2.5	2.1	1.2	1.6	2.9	4.4	4.2	4.4	35.1	51
Titograd	5.9	5.5	6.7	5.5	3.9	2.1	2.0	1.9	4.2	8.6	8.6	6.7	61.6	49

FIGURE 61. GREATEST AND LEAST PRECIPITATION (INCHES)

REGION AND STATION		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YRS REC
Northern Plains:															
Belgrade	Greatest	3.0	3.5	4.2	5.2	7.6	5.8	7.5	6.0	4.1	5.0	0.8	3.3	33.6	34
	Least	*	0.2	*	0.1	0.6	0.4	0.7	0.7	0.1	0.1	0.3	0.1	12.8	34
Bosanski Novi	Greatest	6.6	4.6	6.8	6.7	10.4	8.8	9.2	8.9	6.6	11.6	7.0	6.6	84.3	19
	Least	0.2	0.6	0.4	1.0	1.1	1.7	0.4	0.2	0.5	1.1	0.9	0.4	30.4	19
Čakovci	Greatest	3.5	3.5	5.3	5.8	9.5	6.0	7.4	9.3	6.7	7.2	6.2	4.7	82.2	12
	Least	1.1	0.0	0.2	0.5	1.4	0.9	0.7	0.9	0.0	1.7	0.5	1.1	21.9	12
Đurđevac	Greatest	4.2	3.9	5.7	3.4	9.5	6.3	9.5	4.6	5.5	6.3	7.0	5.1	47.3	10
	Least	0.0	0.2	0.9	0.4	1.7	2.1	0.7	0.9	1.2	1.9	0.7	1.3	26.5	10
Hok	Greatest	3.1	4.7	5.2	5.6	6.7	5.4	2.6	7.4	7.0	9.3	6.1	1.3	55.4	11
	Least	0.8	0.0	1.3	0.4	0.3	0.7	0.7	1.0	0.4	1.5	1.1	0.3	18.7	11
Kragujevac	Greatest	3.5	2.8	4.7	5.7	6.2	7.7	6.1	5.0	4.8	4.7	5.4	4.4	41.5	16
	Least	0.4	0.6	0.7	0.7	1.0	1.2	0.3	0.7	0.6	0.3	0.2	0.3	20.2	16
Novska	Greatest	5.0	4.8	6.1	5.0	8.0	7.2	6.6	4.5	5.4	5.9	8.1	6.1	52.8	16
	Least	0.7	0.1	0.7	0.9	2.3	1.0	0.5	1.5	0.8	1.6	0.9	0.5	23.7	16
Osijek	Greatest	3.1	3.0	4.4	3.7	4.8	6.1	4.6	3.4	5.0	6.1	4.4	3.4	41.1	16
	Least	0.4	0.1	0.1	0.6	1.5	0.6	0.3	1.1	1.1	0.9	0.7	0.3	20.6	16
Slavonski Brod	Greatest	4.3	3.1	4.0	5.2	6.3	6.1	5.2	6.0	5.4	7.0	6.2	4.0	50.3	16
	Least	0.5	0.1	0.2	0.4	1.3	0.8	0.5	1.1	0.0	1.5	0.9	0.4	21.1	16
Subotica	Greatest	2.7	3.1	4.0	2.9	7.0	7.5	7.0	5.1	6.1	4.9	3.3	4.3	35.0	16
	Least	0.2	0.2	0.1	0.2	0.7	0.5	0.2	1.0	0.3	0.5	0.3	0.4	17.0	16
Vršac	Greatest	3.1	3.0	5.0	4.5	8.0	6.1	6.0	8.0	5.9	4.9	4.3	4.6	37.1	16
	Least	0.3	0.3	0.1	0.5	1.6	0.9	0.3	0.5	0.2	0.9	0.1	0.2	17.6	16
Zagreb	Greatest	3.4	4.1	4.9	5.2	7.9	6.2	9.0	7.0	8.8	7.8	7.2	4.4	54.1	16
	Least	0.6	0.3	0.3	0.6	1.3	0.7	1.2	0.8	1.0	1.9	0.5	1.0	24.6	16
Interior Highlands:															
Ajdovščina	Greatest	16.3	9.3	14.1	6.9	9.1	11.9	6.3	11.3	15.5	11.2	12.8	13.7	89.3	16
	Least	1.4	0.3	0.0	0.0	1.9	1.7	0.7	0.6	2.4	1.8	2.3	0.2	44.6	16
Banja Luka	Greatest	4.6	3.9	5.5	8.4	10.7	11.5	8.7	10.1	9.0	9.3	5.9	6.9	82.8	19
	Least	0.8	0.4	0.8	1.8	1.4	2.1	0.4	0.7	0.9	1.1	1.2	0.8	31.6	19
Bihać	Greatest	7.0	6.8	5.8	12.9	11.8	9.8	8.8	9.8	15.9	13.5	11.3	10.4	80.4	17
	Least	0.9	0.7	1.1	1.7	1.2	1.1	2.3	0.9	0.3	1.1	1.2	1.5	47.5	17
Bijelo Polje	Greatest	2.8	4.7	4.6	5.0	5.8	6.0	6.1	4.5	4.7	10.6	7.2	5.9	54.2	12
	Least	0.2	0.2	0.6	0.6	0.9	1.1	0.6	0.8	0.2	2.0	0.4	0.0	22.4	12
Bitola	Greatest	3.5	5.7	5.4	5.1	4.1	4.8	3.1	7.4	5.7	6.5	4.6	10.0	34.8	13
	Least	0.3	0.2	0.2	0.7	0.8	0.1	0.1	0.0	0.2	0.5	0.8	1.5	18.4	13
Bjelašnica	Greatest	19.8	16.3	16.6	19.6	20.0	13.7	9.2	10.1	12.1	19.2	19.1	22.4	124.3	36
	Least	1.5	1.5	2.2	1.8	1.3	1.1	0.8	0.7	0.5	1.3	1.3	1.5	44.3	36
Bosanski Petrovac	Greatest	5.6	5.8	6.5	7.9	10.0	10.3	9.1	6.5	10.5	9.0	10.0	8.7	70.0	19
	Least	0.3	0.2	0.4	1.7	1.5	1.6	0.0	0.9	0.5	0.2	0.4	0.8	24.1	19
Bosansko Grahovo	Greatest	8.7	9.5	10.6	14.3	10.7	9.0	9.0	7.7	11.5	17.0	20.7	17.5	17.6	19
	Least	0.5	1.1	2.0	2.2	0.7	1.8	0.6	1.3	1.1	1.7	0.8	1.9	52.1	19
Breginj	Greatest	21.2	13.3	20.6	15.9	14.4	18.2	15.0	16.0	23.8	31.6	25.8	17.4	135.1	16
	Least	0.0	0.2	0.0	2.9	7.7	5.4	1.7	1.7	1.8	3.8	5.3	0.1	78.0	16
Cetinje	Greatest	30.3	32.6	37.7	22.8	16.8	15.4	5.6	16.1	16.5	39.2	48.3	52.9	267.6	15
	Least	1.3	2.0	0.7	1.8	1.6	3.5	*	*	0.9	13.3	11.3	8.2	117.4	15
Crkvice	Greatest	52.1	50.6	52.6	70.4	24.1	13.7	6.9	6.9	22.1	47.0	67.1	60.0	241.5	22
	Least	5.4	0.3	1.6	0.6	1.3	2.3	0.3	0.3	0.1	8.0	1.6	7.1	109.3	22
Debar	Greatest	4.8	5.4	5.4	6.5	4.7	4.3	3.3	2.3	6.9	7.6	7.6	10.1	49.8	15
	Least	0.5	0.0	0.8	0.0	0.7	0.3	0.1	0.0	0.3	1.5	1.0	1.6	21.8	15
Dojkinci	Greatest	5.2	4.7	5.5	6.9	9.0	8.9	5.2	8.8	4.8	8.1	6.1	5.6	52.0	16
	Least	0.2	0.6	1.0	1.0	2.6	0.6	0.7	0.4	0.5	0.8	0.2	0.2	24.2	16
Foča	Greatest	5.5	2.8	5.1	6.2	6.7	4.3	2.8	5.3	4.6	10.4	11.7	6.2	43.5	8
	Least	0.0	0.1	0.8	0.9	1.8	0.6	0.1	0.7	0.5	1.3	1.1	1.9	24.2	8
Goransko	Greatest	9.5	9.2	13.6	8.6	11.8	6.4	5.2	6.1	9.1	15.2	11.0	14.8	85.4	11
	Least	0.3	0.7	0.0	0.4	2.6	0.6	0.6	0.4	0.5	4.4	2.0	2.5	41.6	11

* <0.05 inch.

FIGURE 61 (*Continued*)

REGION AND STATION		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YRS REC
Interior Highlands (*Cont.*):															
Knin	Greatest	7.8	9.6	10.6	4.7	9.2	7.1	5.0	5.7	10.2	12.4	12.6	8.9	67.2	16
	Least	0.4	0.2	0.5	0.4	2.3	0.0	*	0.3	0.7	0.9	1.7	1.3	32.1	16
Kolašin	Greatest	6.8	14.4	13.7	13.1	24.4	7.6	4.3	3.8	8.6	38.2	21.9	16.6	106.3	7
	Least	1.3	2.2	2.0	3.4	3.7	2.0	1.0	0.7	0.6	6.7	6.1	3.3	66.2	7
Konjsko	Greatest	8.4	8.4	12.0	7.2	6.9	5.0	2.4	2.8	2.6	10.4	8.2	8.9	44.2	14
	Least	1.0	1.1	0.4	1.1	1.1	0.2	0.0	0.0	*	0.9	1.3	1.0	26.6	14
Laško	Greatest	4.5	1.8	8.7	7.2	10.9	9.3	14.6	9.2	10.0	9.8	8.9	6.7	99.8	16
	Least	0.4	0.4	0.4	0.7	1.8	0.5	1.3	1.7	1.5	1.8	1.2	0.9	35.7	16
Ljubljana	Greatest	10.5	6.8	12.4	8.7	12.0	12.0	9.6	10.0	13.4	13.9	11.1	12.3	92.8	16
	Least	1.0	0.5	0.6	0.9	2.8	1.1	2.3	1.2	2.5	2.4	2.1	0.5	45.8	16
Maribor	Greatest	3.9	3.7	7.3	7.1	10.1	9.2	8.8	10.7	9.6	11.2	7.4	5.7	51.5	16
	Least	0.2	0.3	0.3	0.7	0.9	2.0	1.4	1.5	1.2	1.1	1.1	0.4	20.2	16
Miniš̆to	Greatest	9.8	8.5	8.5	13.4	14.0	9.9	11.7	10.8	9.4	9.3	9.8	10.0	77.1	16
	Least	0.9	2.1	1.0	2.1	2.4	2.7	1.1	0.6	0.9	1.5	2.2	1.5	45.6	16
Novesinje	Greatest	12.0	11.0	14.0	11.6	13.0	8.7	4.8	8.5	15.4	17.1	21.2	13.9	102.4	12
	Least	1.2	1.0	0.2	0.9	1.3	0.8	0.5	0.4	1.3	1.6	4.5	2.8	47.2	12
Nikšić	Greatest	16.3	15.6	12.9	14.1	12.8	9.8	3.4	5.0	12.2	23.6	27.1	21.5	122.6	15
	Least	0.4	*	0.2	0.5	1.4	0.7	0.4	0.6	1.1	3.5	2.9	3.4	45.8	15
Niš	Greatest	2.7	2.6	3.1	4.3	7.7	7.1	3.6	4.8	2.5	7.4	4 2	6.3	34.9	16
	Least	0.2	0.5	0.3	0.3	0.9	0.6	0.1	0.2	0.3	0.7	0.0	0.1	17.8	16
Ohrid	Greatest	6.4	4.5	6.2	5.8	3.7	2.7	1.5	3.1	3.8	10.6	7.0	8.3	37.9	16
	Least	0.2	0.2	0.4	1.1	0.4	0.4	0.0	0.0	0.4	0.9	0.7	0.9	18.3	16
Peć	Greatest	5.9	5.9	6.5	8.3	6.3	6.1	7.1	2.0	4.8	9.2	8.3	8.9	55.4	10
	Least	0.1	0.2	0.9	0.4	0.9	0.6	0.2	0.6	0.7	1.8	1.2	0.9	23.7	10
Pljevlja	Greatest	4.6	3.1	5.3	3.9	6.2	6.1	5.7	4.7	5.4	6.8	7.4	5.4	50.6	12
	Least	0.3	0.3	0.7	0.7	1.0	0.8	0.7	0.9	0.2	1.3	1.0	1.5	21.8	12
Podgrad	Greatest	11.2	8.3	16.6	9.2	11.7	10.8	7.7	11.1	11.2	14.4	14.8	9.0	84.2	16
	Least	0.0	0.2	0.0	0.6	1.2	1.6	0.8	0.2	1.3	2.7	3.2	0.6	34.8	16
Prilep	Greatest	3.1	2.9	3.5	4.0	4.0	5.8	3.0	3.4	4.1	4.5	3.5	7.0	27.7	16
	Least	*	0.3	0.2	0.7	1.4	0.1	0.0	0.0	0.2	0.2	0.1	0.4	14.4	16
Priština	Greatest	2.4	3.5	4.0	4.2	5.4	2.0	4.3	3.0	3.1	4.7	2.6	3.3	37.2	5
	Least	0.4	0.2	0.6	0.7	0.5	0.5	0.8	1.1	1.4	1.2	0.8	0.4	16.0	5
Prizren	Greatest	7.5	4.6	7.2	6.3	6.4	5.1	6.0	3.6	4.8	9.4	6.7	11.2	60.7	14
	Least	0.3	0.2	1.0	0 6	1.8	0.3	0.2	0.2	0.4	1.2	1.0	1.3	22.2	14
Sarajevo	Greatest	7.7	5.7	6.9	4.7	9.1	6.8	4.5	4.0	5.9	10.3	6.3	6.6	46.6	37
	Least	0.6	0.8	0.6	0.9	0.9	1.4	0.2	0.0	0.6	1.5	0.2	0.6	25.2	37
Sasa	Greatest	8.1	7.2	6.8	7.2	5.3	8.1	4.5	4.8	5.0	8.1	10.3	10.5	60.7	14
	Least	0.0	0.3	1.3	1.1	1.2	1.0	0.0	0.0	0.6	0.7	0.0	1.0	24.1	14
Sinjl Vrh	Greatest	5.7	8.0	8.3	9.6	16.4	9.6	12.2	8.1	11.8	10.3	11.1	8.5	78.7	16
	Least	1.2	0.6	0.7	1.0	1.1	0.9	0.3	1.8	0.9	2.7	0.8	2.0	38.2	16
Skopje	Greatest	4.1	3.7	2.8	3.2	5.2	4.1	1.8	3.0	3.6	4.4	4.8	7.8	28.0	16
	Least	0.0	0.2	0.2	0.2	0.8	0.3	*	0.0	0.0	0.2	0.2	0.1	11.1	16
Studenci	Greatest	15.0	12.5	10.0	11.7	12.1	7.9	5.3	10.6	8.7	10.0	21.6	18.6	88.5	14
	Least	0.2	0.8	0.7	0.4	1.7	0.4	0.4	0.3	0.7	2.8	4.3	2.0	52.8	14
Šuica	Greatest	6.8	12.0	12.5	7.1	10.8	8.3	4.0	6.1	8.2	11.6	14.7	11.0	67.3	12
	Least	0.4	0.0	0.0	0.8	1.1	0.6	0.6	0.0	0.0	2.4	1.4	3.2	34.4	12
Tanda	Greatest	5.5	2.5	4.1	7.4	6.8	7.0	4.2	4.5	3.3	5.4	6.7	4.6	34.8	15
	Least	0.4	0.3	0.5	0.4	1.5	0.7	0.1	0.2	0.3	1.0	0.3	0.2	21.2	15
Titovo Užice	Greatest	5.0	3.0	4.0	5.5	7.0	5.6	0.4	4.0	8.4	5.7	7.2	3.8	51.3	15
	Least	0.4	0.4	0.4	0.7	1.1	1.5	0.9	0.7	0.5	0.6	0.7	0.7	22.6	15
Trebinje	Greatest	4.1	4.8	6.3	6.3	12.4	9.7	12.1	9.9	10.0	11.6	8.4	5.1	90.3	16
	Least	0.4	0.2	0.3	0.6	2.0	0.3	0.6	1.4	0.6	1.3	0.8	1.0	36.3	16
Žabljak	Greatest	8.5	11.1	15.7	7.9	11.7	7.3	6.4	7.6	10.3	21.8	25.2	17.5	109.9	9
	Least	2.4	1.4	2.6	0.6	2.7	1.5	0.9	2.4	0.3	4.1	0.3	2.1	55.4	9
Zenica	Greatest	3.1	4.8	4.4	5.1	7.3	6.1	5.7	6.8	6.7	9.3	5.8	5.0	41.1	16
	Least	0.1	0.3	0.2	0.4	1.1	0.7	0.2	0.7	0.4	1.7	1.0	0.7	24.3	16
Zvornik	Greatest	4.3	3.5	3.7	5.7	8.8	10.6	7.0	7.9	5.1	9.8	6.3	4.5	48.7	19
	Least	0.5	0.6	0.7	1.1	1.1	2.2	0.4	0.4	0.8	0.7	0.4	0.5	27.2	19

FIGURE 61 (*Continued*)

REGION AND STATION		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YRS REC
Coast and Islands:															
Bar	Greatest	15.8	14.0	11.3	12.0	8.4	5.7	2.8	3.1	13.3	14.6	12.3	13.0	79.6	16
	Least	0.4	0.2	0.0	0.7	1.1	0.4	0.0	0.0	0.0	1.8	1.5	1.7	34.2	16
Cesarica	Greatest	9.8	14.7	14.0	10.6	13.3	13.9	8.9	5.0	16.0	15.4	17.3	15.1	87.8	16
	Least	0.4	*	0.5	2.4	1.6	0.6	0.1	0.5	0.6	2.2	3.3	1.4	50.0	16
Dubrovnik	Greatest	8.5	9.0	9.1	18.5	5.4	3.5	4.0	4.7	6.8	15.0	14.0	15.6	64.4	11
	Least	1.3	0.8	0.2	*	0.7	*	0.0	*	0.9	2.3	2.0	2.9	36.0	11
Herceg-novi	Greatest	12.6	13.6	19.7	12.6	7.2	9.6	2.7	5.2	13.6	22.1	23.5	19.7	97.3	12
	Least	1.0	1.1	0.7	0.4	1.3	0.0	0.0	0.1	0.6	4.1	3.5	4.5	56.6	12
Hvar	Greatest	7.9	8.6	6.7	8.2	4.8	3.9	3.9	12.7	12.0	13.9	18.9	11.1	52.0	49
	Least	0.2	0.0	0.3	0.1	0.2	0.1	0.0	0.0	0.0	0.4	0.7	0.5	17.1	49
Korčula	Greatest	9.9	11.7	8.2	7.4	7.2	4.8	6.0	3.4	10.0	8.6	17.5	14.0	58.7	16
	Least	0.5	0.6	0.6	1.1	0.6	0.1	0.0	0.0	*	0.6	1.3	2.2	24.1	16
Kraljevica	Greatest	7.9	8.3	12.4	6.3	9.6	11.7	4.3	7.4	14.8	11.1	11.1	15.5	79.5	14
	Least	0.7	0.2	0.0	1.1	1.1	0.4	0.3	0.4	1.5	4.6	2.3	1.9	36.2	14
Mali Lošinj	Greatest	5.6	4.7	7.8	5.5	9.1	4.5	4.0	3.7	13.3	8.3	10.0	6.1	51.7	13
	Least	0.3	0.2	0.1	0.8	0.3	0.2	0.0	0.0	0.7	1.2	0.7	0.6	24.9	13
Metković	Greatest	11.0	8.9	8.3	6.5	8.6	4.4	3.6	6.1	9.1	10.4	18.5	13.5	78.1	14
	Least	0.5	0.6	0.6	0.5	0.8	0.1	0.0	0.6	0.3	0.8	2.0	4.1	35.3	14
Mostar	Greatest	9.5	14.4	15.6	12.8	11.0	9.8	4.7	5.6	11.2	14.3	12.4	12.6	77.8	18
	Least	0.6	*	0.1	0.9	0.8	0.8	*	*	0.3	3.0	1.1	1.5	38.5	18
Obrovac	Greatest	8.2	10.7	8.5	6.6	15.6	7.9	4.5	5.9	10.6	9.6	13.4	27.9	93.0	15
	Least	0.6	0.4	0.6	0.6	1.1	0.2	0.0	0.0	0.4	1.9	2.3	0.7	29.8	15
Pazin	Greatest	7.6	7.1	12.2	4.9	7.6	9.9	6.3	7.6	11.8	10.5	10.6	8.2	69.5	13
	Least	0.9	0.4	0.1	1.2	1.9	0.8	0.0	0.8	0.3	2.0	1.5	0.7	37.0	13
Poreč	Greatest	4.7	4.8	7.9	3.9	6.1	5.3	4.3	6.4	8.8	7.3	6.8	4.7	52.2	13
	Least	0.1	0.2	0.1	0.7	0.9	0.7	0.2	0.6	0.1	1.0	0.9	0.2	30.0	13
Pula	Greatest	4.8	4.1	5.9	2.7	5.2	2.9	5.9	4.8	7.6	6.3	7.4	5.4	41.7	10
	Least	0.1	0.2	0.3	0.4	0.5	0.2	0.2	0.2	0.8	0.4	1.1	0.3	20.8	10
Rab	Greatest	5.8	6.2	10.3	5.4	9.4	9.2	6.6	3.5	15.6	13.7	9.6	9.8	72.1	13
	Least	0.4	0.2	0.3	1.0	0.6	0.2	0.0	0.5	0.6	0.9	0.8	1.3	25.5	13
Split	Greatest	5.1	4.0	5.1	5.7	10.4	6.9	3.6	4.5	7.0	9.0	8.5	6.3	44.3	15
	Least	0.3	0.4	0.2	0.6	0.3	0.4	0.0	*	0.2	1.1	2.3	1.3	26.8	15
Titograd	Greatest	15.8	13.7	11.3	14.0	13.0	8.4	6.1	4.3	10.6	22.2	19.9	17.8	86.1	16
	Least	0.5	0.7	0.0	0.4	1.3	0.3	0.0	0.2	0.1	6.6	3.0	1.8	49.4	16

* <0.05 inch.

FIGURE 62. MAXIMUM 24-HOUR PRECIPITATION (INCHES)

REGION AND STATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YRS REC
Northern Plains:														
Belgrade	0.9	1.1	1.6	1.2	2.7	3.1	1.3	3.5	2.1	1.9	1.2	1.1	3.5	16
Bosanski Novi	1.0	1.3	1.6	1.9	2.4	2.8	2.2	3.0	2.3	3.1	2.3	1.7	3.9	19
Čakovec	1.3	0.9	1.1	1.3	2.4	1.8	2.6	3.0	2.2	2.0	1.7	1.2	3.0	12
Đurđevac	0.9	1.4	1.4	0.8	1.8	2.4	2.8	1.7	1.9	1.6	1.7	1.3	2.8	10
Ilok	0.8	1.9	1.5	2.1	2.0	2.3	1.2	3.3	1.8	3.3	1.7	1.0	3.3	11
Kragujevac	0.9	0.7	2.7	1.1	3.2	1.8	1.9	2.2	1.5	2.2	1.8	0.9	3.2	16
Novska	1.5	1.3	1.3	1.4	1.5	1.9	2.0	1.9	2.1	1.9	2.4	1.7	2.4	16
Osijek	0.9	1.0	0.9	1.1	2.6	3.2	2.8	2.3	1.7	2.2	1.3	0.9	3.2	16
Slavonski Brod	1.5	0.7	1.1	1.3	1.8	2.1	1.2	2.8	2.0	2.5	1.7	1.6	2.8	16
Subotica	0.8	1.3	1.4	0.7	1.6	1.6	1.9	2.0	1.8	1.5	1.1	1.2	2.0	16
Vršac	1.0	0.8	0.9	1.3	2.2	3.0	1.5	1.3	1.7	1.5	1.0	1.2	3.0	16
Zagreb	1.1	1.0	1.3	1.7	2.1	2.1	3.3	4.6	1.8	3.3	2.5	1.2	4.6	16

Figure 02 (*Continued*)

REGION AND STATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YRS REC
Interior Highlands:														
Ajdovščina	3.4	1.9	2.8	2.0	1.8	3.2	3.5	3.1	0.0	3.6	4.5	2.5	6.0	12
Banja Luka	1.2	1.2	1.7	2.0	2.5	2.9	2.6	2.2	3.7	2.3	2.1	1.7	3.7	19
Bihać	1.8	1.7	2.4	3.0	3.0	4.7	4.0	3.5	2.7	3.1	2.4	3.6	4.7	17
Bijelo Polje	1.0	2.0	1.6	1.7	1.4	1.3	1.6	1.3	1.5	1.7	2.3	1.6	2.3	12
Bitola	1.3	2.6	1.3	1.9	1.1	2.2	1.5	2.9	2.1	1.9	1.7	4.1	4.1	13
Bjelašnica	4.5	3.5	10.4	3.8	3.4	2.9	2.1	3.9	4.1	2.9	3.5	3.7	10.4	16
Bosanski Petrovac	1.5	1.9	2.5	1.7	3.6	3.0	4.0	2.6	2.4	2.3	3.3	2.6	4.0	19
Bosansko Grahovo	2.9	2.2	2.6	4.0	3.0	2.5	2.4	3.9	2.8	5.6	5.2	3.8	5.6	19
Breginj	5.0	5.6	4.1	3.6	4.1	7.1	4.1	4.8	5.2	9.4	7.5	5.9	9.4	13
Cetinje	8.1	10.7	9.7	7.9	4.9	8.6	2.0	10.0	6.7	11.5	11.7	10.5	11.7	15
Crkvice	13.3	10.9	10.3	10.7	7.8	4.5	4.2	4.3	12.3	16.2	18.9	10.6	18.9	15
Debar	1.9	1.9	1.5	1.8	1.6	1.4	1.1	1.3	2.2	2.1	5.9	2.9	5.9	15
Dojkinci	1.1	1.2	1.3	1.6	2.4	4.3	1.8	3.3	1.6	1.6	1.7	1.6	4.3	16
Foča	1.4	1.1	1.7	1.9	1.6	1.3	1.4	1.7	2.1	2.8	3.3	1.9	3.3	8
Goransko	1.0	2.0	2.8	2.0	3.0	1.5	1.8	1.2	2.7	2.6	2.6	2.0	3.0	11
Knin	1.7	5.7	4.3	1.9	2.1	2.4	1.6	2.7	3.3	2.5	5.4	2.0	5.7	16
Kolašin	2.2	3.4	3.2	4.7	6.5	2.0	1.5	2.1	2.2	10.7	5.1	3.5	10.7	7
Konjsko	3.5	2.0	3.3	2.1	1.9	1.3	1.5	1.6	2.3	3.6	2.1	3.3	3.6	14
Lasko	1.8	1.3	1.6	2.3	2.4	2.8	2.0	3.9	5.1	3.4	3.0	1.5	5.1	16
Ljubljana	1.8	1.4	2.2	1.9	3.5	3.5	2.2	3.7	6.0	2.9	3.4	2.6	6.0	16
Maribor	1.9	1.3	1.5	1.9	2.4	5.1	2.4	2.4	4.1	3.1	1.9	1.8	4.1	16
Mlinište	3.2	2.4	2.1	2.7	2.1	2.6	2.6	3.1	4.2	3.0	2.4	2.3	4.2	16
Nevesinje	3.3	2.6	3.1	3.7	3.0	2.1	3.2	2.5	6.4	3.7	7.5	2.6	7.5	12
Nikšić	3.7	4.2	4.3	2.6	3.2	4.8	2.0	3.0	3.4	6.6	7.0	5.5	7.0	15
Niš	0.8	1.6	0.9	1.3	3.5	1.6	1.8	2.6	0.8	1.9	1.4	2.3	3.5	15
Ohrid	1.3	1.8	3.7	2.2	1.4	1.1	1.1	0.9	1.5	2.5	2.4	2.4	2.7	15
Peć	1.3	2.8	2.0	1.0	2.2	3.1	2.7	1.1	1.8	2.7	3.3	1.8	3.3	10
Pljevlja	1.1	1.2	1.7	1.2	1.0	2.2	1.5	1.8	2.0	2.0	2.1	1.3	2.2	12
Podgrad	2.4	2.8	3.5	1.9	2.0	4.8	3.0	2.8	2.8	4.1	5.6	4.1	5.6	14
Prilep	1.4	0.7	0.0	1.6	1.1	2.0	1.4	1.7	1.5	2.0	1.9	4.0	4.0	18
Priština	0.8	1.8	1.8	0.9	1.3	0.7	2.1	1.4	1.4	1.2	1.0	1.2	2.1	5
Prizren	1.0	2.1	3.0	1.0	1.6	1.4	1.5	1.8	2.2	2.3	1.9	2.6	3.0	14
Sarajevo	2.1	2.3	2.8	2.0	1.5	2.4	1.7	1.3	2.2	1.9	2.9	2.3	2.9	19
Sisak	1.7	1.6	2.5	2.9	2.3	1.5	1.3	2.0	1.3	2.4	2.4	2.4	2.9	14
Sinji Vrh	1.7	1.8	1.5	2.2	3.0	3.4	2.7	3.6	3.9	3.4	2.6	2.4	3.9	16
Skopje	1.3	0.9	2.4	1.0	1.1	2.6	0.0	1.3	1.2	1.6	1.5	2.3	2.6	16
Studenci	3.1	3.3	8.5	2.2	2.1	3.0	2.4	7.5	3.5	3.3	9.4	4.2	9.4	14
Šulea	2.0	2.2	1.8	2.0	1.4	1.8	1.8	3.2	1.6	2.8	3.4	3.2	3.4	12
Tanda	1.0	0.8	1.0	1.3	2.4	1.1	1.9	2.6	1.0	2.2	1.2	1.1	2.6	14
Titovo Užice	0.8	1.7	1.3	1.2	1.5	1.7	3.0	1.4	1.4	1.4	2.0	1.4	3.0	15
Trebinje	1.3	1.7	2.1	2.0	5.3	3.9	2.1	3.7	3.5	2.0	2.4	2.1	5.3	16
Žabljak	3.5	2.7	3.7	2.4	2.0	1.9	2.2	1.5	3.9	5.3	7.4	3.1	7.4	9
Zenica	2.0	1.1	2.0	1.6	1.8	1.3	1.8	2.1	2.5	1.8	1.6	1.6	2.5	16
Zvornik	1.3	1.4	1.0	1.7	1.6	2.4	2.0	2.1	2.4	1.7	1.3	2.1	2.4	19
Coast and Islands:														
Bar	2.8	3.0	3.9	2.7	3.1	2.6	2.2	2.2	4.0	4.7	4.3	3.4	4.7	15
Cesarica	2.5	3.0	4.2	3.3	4.8	6.1	3.4	2.5	4.3	4.1	3.1	3.7	6.1	15
Dubrovnik	3.0	2.8	2.0	3.1	2.1	2.4	1.8	3.1	2.7	5.0	3.0	4.4	5.6	11
Herceg-Novi	2.8	4.0	3.4	3.3	2.1	5.6	1.5	4.3	4.4	8.2	6.0	4.2	8.2	12
Hvar	2.1	2.0	2.7	2.8	2.2	1.7	2.0	3.2	4.7	6.8	4.8	4.7	6.8	60
Korčula	3.5	3.1	2.3	3.0	1.6	1.6	4.5	2.0	3.7	2.5	7.1	3.7	7.1	16
Kraljevica	1.0	2.4	3.2	2.2	4.2	4.0	3.1	2.7	7.5	3.7	3.0	4.0	7.5	13
Mali Lošinj	1.4	0.8	1.3	1.9	3.2	1.4	1.4	1.5	10.5	3.7	2.1	2.4	10.5	12
Metković	3.0	2.4	2.3	3.0	2.5	1.7	1.5	2.1	4.6	4.0	3.5	2.8	4.6	14
Mostar	2.3	2.0	2.7	3.5	3.0	2.8	3.3	2.8	3.0	6.0	2.7	3.8	6.0	15
Obrovac	3.0	3.1	1.7	1.6	2.0	2.6	1.0	2.2	5.2	3.0	3.6	5.0	5.2	15
Pazin	1.0	2.2	2.6	1.7	2.2	3.0	3.5	2.7	5.3	4.5	4.3	2.1	5.3	13
Poreč	2.4	1.4	2.7	1.2	2.7	1.8	1.5	2.4	3.0	4.3	1.9	1.8	4.3	13
Pula	1.0	1.3	1.7	1.1	1.4	1.0	2.6	2.2	2.0	2.3	2.9	2.1	2.9	9
Rab	3.0	1.6	1.9	1.3	3.9	4.8	2.7	2.3	7.5	4.5	1.7	1.8	7.5	13
Split	1.5	1.7	2.1	2.2	2.1	3.5	1.7	2.0	4.1	3.0	3.4	3.1	4.1	15
Titograd	4.3	3.6	3.0	3.7	3.5	5.8	3.5	4.1	3.0	0.9	4.6	3.3	0.9	16

FIGURE 63. MEAN NUMBER OF DAYS WITH PRECIPITATION ≧0.004 INCH

REGION AND STATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YRS REC
Northern Plains:														
Belgrade	13	11	12	13	15	13	9	10	10	12	12	15	146	16
Bosanski Novi	8	8	10	11	13	11	9	8	10	10	8	10	116	19
Čakovec	7	5	8	10	10	11	10	9	8	10	8	7	104	49
Đurđevac	9	7	11	10	15	11	8	9	9	11	10	12	122	16
Ilok	8	7	9	9	10	8	6	8	7	10	8	8	96	16
Kragujevac	10	14	12	13	15	15	10	9	10	10	9	11	137	20
Novska	10	9	11	10	13	10	7	7	8	9	11	12	116	16
Osijek	12	9	11	11	15	11	9	10	9	11	11	14	134	16
Slavonski Brod	11	10	12	13	15	12	9	11	9	11	12	14	137	16
Subotica	13	11	13	12	16	13	10	11	10	13	13	15	149	16
Vršac	12	9	12	11	16	12	10	10	9	11	11	14	137	16
Zagreb	11	10	11	13	14	14	12	10	10	12	12	12	140	64
Interior Highlands:														
Ajdovščina	9	8	11	12	15	11	8	10	10	13	13	10	128	16
Banja Luka	11	11	12	14	16	14	11	10	11	12	12	13	145	19
Bihać	10	7	10	11	11	11	8	8	9	11	11	10	117	20
Bijelo Polje	6	6	9	8	10	10	7	6	6	10	8	9	96	16
Bitola	10	11	10	12	12	11	7	6	5	8	9	10	112	16
Bjelašnica	14	14	16	16	18	17	15	12	13	15	14	16	170	19
Bosanski Petrovac	8	9	9	10	13	11	8	6	8	8	9	10	106	19
Bosansko Grahovo	10	11	12	13	13	11	8	7	9	11	11	12	127	19
Breginj	7	6	10	14	16	14	12	10	11	13	11	8	130	16
Cetinje	15	12	15	15	16	11	6	7	9	15	16	17	151	16
Crkvice	13	13	14	14	13	12	7	6	8	14	13	14	140	22
Dabar	9	8	10	9	11	7	4	4	5	9	10	14	98	16
Dojkinci	7	6	7	8	12	9	6	6	5	8	7	9	90	16
Foča	8	5	9	9	10	11	6	8	7	9	9	11	102	16
Goransko	8	6	10	9	12	8	5	7	8	11	9	10	101	16
Knin	8	6	10	9	13	8	5	7	8	11	10	11	107	16
Kolašin	11	10	13	12	14	10	7	6	7	12	14	15	131	16
Konjsko	9	9	10	10	11	8	4	4	4	8	10	13	99	16
Laško	12	10	11	13	15	17	13	13	10	13	12	11	148	50
Ljubljana	13	11	14	15	18	15	13	13	12	16	17	15	172	16
Maribor	9	8	11	12	15	13	11	12	10	12	10	10	134	16
Milništo	12	13	12	14	14	12	10	8	10	12	12	12	141	16
Novoselnje	10	8	9	10	13	8	4	6	8	12	11	12	110	16
Nikšić	12	9	12	12	13	8	4	6	8	13	14	14	124	16
Niš	8	11	10	13	12	12	9	6	8	10	10	10	118	49
Ohrid	9	8	10	10	11	6	3	3	6	10	10	13	99	16
Peć	9	9	11	9	12	9	6	8	7	11	10	12	112	16
Pljevlja	10	8	11	14	14	16	11	10	9	12	11	9	135	49
Podgrad	7	6	9	11	13	11	8	8	9	12	12	10	116	16
Prilep	11	9	9	11	12	8	6	5	6	10	9	13	109	16
Priština	7	8	6	7	8	5	5	5	5	8	7	8	79	16
Prizren	10	9	11	11	13	9	6	7	6	12	10	15	119	16
Sarajevo	12	11	12	13	15	15	11	11	11	13	14	13	151	20
Sasa	9	8	9	9	11	8	5	4	5	8	8	11	95	16
Sinji Vrh	12	9	12	12	15	11	9	9	10	13	13	15	138	16
Skopje	6	5	5	6	9	7	5	4	4	6	5	6	68	16
Studenci	9	7	9	10	11	7	5	5	7	10	11	11	102	16
Šulen	7	7	7	7	10	8	4	5	6	9	10	11	91	16
Tanda	11	9	12	12	15	12	9	9	9	12	11	12	132	16
Titovo Užice	11	9	12	11	13	12	10	9	9	10	10	13	127	16
Trebinje	11	9	11	12	12	8	4	5	7	11	14	14	118	16
Žabljak	14	11	13	13	14	13	9	10	9	15	14	17	162	16
Zenica	8	7	9	9	11	9	7	7	7	9	8	11	103	16
Zvornik	9	8	10	12	14	13	9	7	8	8	8	9	114	19

FIGURE 63 (*Continued*)

REGION AND STATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YRS REC
Coast and Islands:														
Bar	8	8	7	8	6	4	1	2	4	8	9	12	78	16
Cesarica	9	8	9	10	11	7	4	4	7	10	11	11	100	16
Dubrovnik	12	9	12	13	9	7	4	4	7	12	12	13	114	19
Herceg-Novi	12	12	12	12	9	7	4	4	6	12	12	13	115	25
Hvar	10	9	10	9	7	6	3	4	6	9	11	12	97	60
Korčula	11	9	10	10	9	6	3	3	6	10	11	13	98	16
Kraljevica	11	8	12	12	14	11	7	7	10	14	14	12	120	16
Mali Lošinj	12	9	12	10	12	7	4	6	8	14	13	13	121	16
Metković	10	9	10	9	9	7	3	3	6	10	10	13	98	16
Mostar	11	11	13	13	12	10	7	6	8	13	13	15	132	20
Obrovac	8	7	8	8	9	7	4	5	7	9	10	10	91	16
Pazin	13	9	13	13	17	12	9	9	13	10	10	14	158	16
Poreč	10	8	11	10	13	9	7	8	9	13	13	12	122	16
Pula	11	9	12	10	12	8	6	6	9	12	12	11	117	16
Rab	8	6	8	8	9	6	4	4	7	10	10	9	89	16
Split	8	11	10	10	6	7	5	4	7	10	11	14	102	63
Titograd	10	9	12	11	12	8	3	5	7	14	12	14	118	16

FIGURE 64. MEAN NUMBER OF DAYS WITH PRECIPITATION ≥0.4 INCH

REGION AND STATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YRS REC
Northern Plains:														
Belgrade	1	1	1	2	3	3	2	2	1	2	1	1	20	16
Čakovec	1	1	1	2	3	2	2	3	3	4	2	2	26	16
Đurđevac	2	2	2	2	4	3	2	3	4	4	3	2	31	16
Ilok	1	1	2	2	2	2	2	3	2	3	3	2	25	16
Kragujevac	1	1	2	2	3	2	2	2	1	2	1	1	19	16
Novska	1	2	2	2	3	3	2	2	3	4	3	2	29	16
Osijek	1	1	2	1	2	2	2	2	2	3	2	1	22	16
Slavonski Brod	1	1	2	2	3	3	2	3	3	4	3	1	26	16
Subotica	1	1	1	1	2	2	2	2	2	2	1	1	17	16
Vršac	1	1	1	1	3	3	2	2	2	2	1	2	20	16
Zagreb	2	1	2	2	3	3	2	3	4	4	3	2	30	16
Interior Highlands:														
Ajdovščina	4	3	5	5	5	4	3	4	5	7	6	4	55	16
Banja Luka	2	3	2	4	4	4	2	3	3	5	3	3	37	16
Bihać	2	3	2	3	5	3	3	3	4	5	5	3	42	16
Bijelo Polje	2	2	2	2	3	3	3	2	3	5	4	4	33	16
Bitola	1	2	1	2	2	2	1	1	2	3	3	3	24	16
Bjelašnica	4	2	4	4	5	5	3	4	5	7	5	4	52	16
Bosanski Petrovac	2	3	3	3	4	4	2	3	3	5	5	4	43	16
Bosansko Grahovo	3	4	4	3	5	4	3	3	3	5	6	7	49	16
Breginj	4	3	6	7	8	7	6	6	6	8	8	4	72	16
Cetinje	10	7	8	7	6	4	1	2	4	10	10	12	81	16
Crkvice	8	8	9	8	6	4	2	2	5	9	11	12	85	16
Debar	1	2	3	3	3	2	1	1	2	4	3	5	29	16
Dojkinci	2	2	2	3	4	4	2	2	2	4	3	4	35	16
Foča	3	1	3	2	4	2	1	2	2	4	4	4	32	16
Goransko	4	3	5	5	6	3	2	3	5	8	5	6	55	16
Knin	3	3	3	3	5	3	2	2	3	5	5	4	40	16
Kolašin	5	4	6	5	5	4	2	1	2	7	8	7	56	16
Konjsko	3	3	2	3	3	2	1	1	1	3	3	4	30	16
Lasko	2	2	3	3	5	4	4	4	4	5	4	3	41	16
Ljubljana	3	3	4	5	5	4	4	4	5	6	6	4	53	16
Maribor	1	1	2	2	4	4	3	4	4	4	3	2	35	16
Milnište	5	4	5	5	6	6	2	4	5	7	5	4	58	16
Novesinje	5	4	5	5	6	4	2	4	4	7	8	7	61	16
Nikšić	7	5	7	5	5	3	2	3	4	7	7	9	62	16
Niš	1	1	1	1	2	2	1	1	1	3	2	1	17	16
Ohrid	2	2	2	2	2	1	*	1	2	3	3	4	24	16
Peć	3	3	2	2	2	3	2	1	2	5	4	3	31	16
Pljevlja	2	1	1	2	3	2	2	3	2	3	2	2	24	16
Podgrad	3	3	5	5	5	5	3	4	5	6	6	4	54	16
Prilep	1	1	1	2	2	2	1	1	1	2	2	2	16	16
Priština	1	1	1	1	2	1	1	1	1	3	2	2	17	16

* <0.5 day.

FIGURE 64 (*Continued*)

REGION AND STATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YRS REC
Interior Highlands (*Continued*):														
Prizren	3	2	2	3	3	3	2	2	2	4	3	4	31	16
Sarajevo	1	2	2	2	3	3	2	3	3	4	3	2	30	16
Sasa	3	2	2	3	4	3	2	2	2	4	4	5	36	16
Sinji Vrh	3	3	4	4	5	4	4	3	4	6	5	4	48	16
Skopje	1	1	1	2	2	1	1	1	1	2	1	1	14	16
Studenci	6	5	5	5	4	4	3	3	4	6	7	7	57	16
Šuica	3	3	4	3	4	4	2	3	3	6	6	6	48	16
Tanda	2	1	2	3	4	3	2	1	1	2	2	3	25	16
Titovo Užice	2	2	2	2	3	4	3	2	2	3	3	2	28	16
Trebinje	2	2	2	3	5	4	3	4	4	5	4	3	41	16
Žabljak	4	6	5	5	6	5	4	5	5	8	8	6	67	16
Zenica	1	1	1	2	3	3	2	3	2	4	3	2	26	16
Zvornik	2	2	3	3	3	3	3	3	2	4	3	2	34	16
Coast and Islands:														
Bar	6	5	4	4	3	2	1	1	3	6	6	8	50	16
Cesarica	4	4	5	5	5	3	2	2	4	6	8	6	54	16
Dubrovnik	5	4	4	4	2	1	1	1	2	6	7	6	45	16
Hvar	2	2	2	2	2	1	1	1	2	3	3	4	23	16
Korčula	4	3	3	3	2	1	1	1	2	4	4	6	34	16
Kraljevica	3	2	1	3	5	3	2	3	4	6	5	5	46	16
Mali Lošinj	2	2	3	2	2	2	1	1	3	4	4	3	28	16
Metković	4	4	4	2	3	2	1	2	3	4	5	7	40	16
Mostar	4	4	5	4	4	2	1	2	3	6	6	7	48	16
Obrovac	3	4	4	3	4	3	1	2	3	5	6	5	44	16
Pasin	3	2	4	3	5	4	2	3	4	6	6	3	43	16
Poreč	2	1	3	2	3	2	2	2	4	4	5	3	31	16
Pula	2	2	2	1	2	1	1	1	3	2	3	2	22	16
Rab	3	2	3	3	4	2	2	1	4	5	5	5	38	16
Titograd	5	5	6	4	4	2	1	2	3	8	6	8	54	16

* <0.5 day.

FIGURE 65. MEAN NUMBER OF DAYS WITH SNOWFALL

REGION AND STATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YRS REC
Northern Plains:														
Belgrade	7	5	4	1	0	0	0	0	0	0	1	5	25	16
Bosanski Novi	5	5	2	1	*	0	0	0	0	*	2	4	19	19
Čakovec	7	5	3	1	0	0	0	0	*	1	1	6	23	16
Đurđevac	5	3	2	1	0	0	0	0	0	*	1	6	17	16
Ilok	5	3	3	1	0	0	0	0	0	0	*	5	16	16
Kragujevac	8	5	5	1	0	0	0	0	0	*	1	8	28	16
Novi Sad	5	4	4	*	0	0	0	0	0	0	1	5	18	16
Novska	6	4	4	*	*	0	0	0	0	*	1	7	23	16
Osijek	7	5	4	1	0	0	0	0	0	*	1	8	27	16
Slavonski Brod	7	5	3	1	0	0	0	0	0	*	1	8	24	16
Sonta	5	3	3	*	0	0	0	0	0	0	*	5	17	16
Vršac	7	4	4	*	0	0	0	0	0	0	1	7	22	16
Zagreb	9	6	5	1	*	0	0	0	0	1	2	10	34	16
Interior Highlands:														
Ajdovščina	2	2	1	*	0	0	0	0	0	*	*	1	6	16
Banja Luka	7	7	4	2	*	0	0	0	0	1	3	5	30	19
Bihać	6	4	3	1	*	0	0	0	0	1	3	5	23	20
Bijelo Polje	5	4	4	2	0	0	0	0	0	*	1	4	18	16
Bitola	5	4	4	1	*	0	0	0	0	0	1	5	19	16
Bjelašnica	14	14	16	14	10	2	1	1	3	6	10	15	107	19
Bosanski Petrovac	6	6	4	2	1	0	0	0	*	1	3	6	28	19
Bosansko Grahovo	7	7	7	3	1	0	0	*	*	1	3	5	33	19
Breginj	3	1	1	1	0	0	0	0	0	0	1	2	9	16
Cerknje	6	4	3	1	0	0	0	0	0	*	1	5	20	16
Crkvica	8	7	5	2	0	0	0	0	0	*	2	8	32	16
Debar	4	4	3	1	*	0	0	0	0	*	1	5	19	16
Foča	4	3	4	2	1	0	0	0	0	1	1	7	22	16

NOTE A day with snowfall is defined as a day with a snowfall amount ≥0.004 inch of liquid precipitation.

na Data not available.

* <0.5 day.

FIGURE 65 (*Continued*)

REGION AND STATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YRS REC
Interior Highlands (*Continued*):														
Goransko	5	5	4	3	*	0	0	0	0	1	1	6	26	16
Kolašin	7	6	5	2	*	0	0	0	0	1	1	6	27	16
Konjsko	5	4	3	1	0	0	0	0	0	0	*	4	16	16
Kosovska Mitrovica	7	6	3	1	0	0	0	0	0	0	*	0	26	16
Kruševac	7	6	4	*	0	0	0	0	0	0	1	7	25	18
Laško	7	4	4	1	*	0	0	0	0	1	2	8	27	16
Ljubljana	8	6	5	1	0	0	0	0	0	1	2	8	31	16
Maribor	6	5	4	2	*	0	0	0	0	1	2	7	26	16
Miniš̌te	8	8	8	4	*	0	0	*	*	2	1	8	40	16
Novosinje	4	3	2	2	*	0	0	0	0	*	1	3	15	16
Nikšić	5	4	3	1	0	0	0	0	0	0	*	4	16	16
Niš	6	5	3	*	0	0	0	0	0	0	1	7	22	16
Ohrid	4	3	3	1	0	0	0	0	0	*	1	3	15	16
Peć	6	5	4	1	0	0	0	0	0	*	1	6	22	16
Pljevlja	8	7	5	3	1	0	0	0	0	1	2	8	34	16
Podgrad	2	2	1	*	0	0	0	0	0	*	1	2	8	16
Prilep	6	5	4	1	*	0	0	0	0	*	1	5	22	16
Priština	6	5	2	*	0	0	0	0	0	0	1	5	19	16
Prizen	7	5	4	1	0	0	0	0	0	*	1	5	26	16
Sarajevo	10	7	7	3	*	0	0	0	*	1	2	9	38	16
Sisak	6	6	5	2	*	0	0	0	0	*	3	5	26	16
Sinji Vrh	8	6	4	1	*	0	0	0	*	1	2	8	30	16
Skopje	4	2	2	*	0	0	0	[illegible]	0	*	*	4	12	16
Studenci	4	3	2	1	*	0	0	0	*	1	1	4	16	16
Šuica	3	4	3	2	*	0	0	0	*	1	2	6	21	16
Titovo Užice	9	6	6	2	*	0	0	0	0	1	1	5	32	16
Trebinje	2	2	1	*	0	0	0	0	0	*	1	2	10	16
Žabljak	12	9	10	7	2	0	0	0	0	3	4	12	60	16
Zaječar	7	5	3	1	0	0	0	0	0	0	1	7	24	16
Zenica	5	4	3	*	0	0	0	0	*	*	1	5	18	16
Zvornik	0	5	3	1	0	0	0	0	0	*	2	4	21	19
Coast and Islands:														
Bar	*	1	*	0	0	0	0	0	0	0	0	1	2	16
Cesarica	*	1	*	*	0	0	0	0	0	0	*	1	3	16
Dubrovnik	*	1	*	0	0	0	0	0	0	0	0	*	2	5
Herceg-novi	*	*	*	0	0	0	0	0	0	0	0	0	1	16
Hvar	1	*	*	0	0	0	0	0	0	0	*	*	2	60
Kraljevica	1	1	*	0	0	0	0	0	0	0	0	*	2	16
Mostar	2	1	*	*	0	0	0	0	0	0	*	1	4	16
Pasin	2	2	1	0	0	0	0	0	0	0	1	1	6	16
Pula	2	1	1	*	0	0	0	0	0	0	*	1	5	na
Rab	1	1	*	0	0	0	0	0	0	0	0	*	2	16
Split	*	*	0	0	0	0	0	0	0	0	0	0	1	11
Titograd	1	1	1	*	0	0	0	0	0	0	0	1	4	16

NOTE A day with snowfall is defined as a day with a snowfall amount ≥0.004 inch of liquid precipitation.

na Data not available.

* <0.5 day.

FIGURE 66. DATES OF EARLIEST AND LATEST SNOWFALL

REGION AND STATION	EARLIEST DATE	MEAN EARLIEST DATE	MEAN LATEST DATE	LATEST DATE
Northern Plains:				
Belgrade	1 November	2 December	18 March	20 April
Kragujevac	30 October	29 November	17 March	24 April
Osijek	15 October	20 November	23 March	22 April
Slavonski Brod	15 October	29 November	20 March	20 April
Vršac	1 November	5 December	9 March	3 April
Zagreb	6 October	23 November	26 March	21 April
Interior Highlands:				
Banja Luka	16 October	23 November	20 March	22 April
Bihać	16 October	15 November	30 March	1 May
Bitola	16 November	8 December	27 March	3 May
Bjelašnica	2 July	20 August	4 June	25 July
Bosansko Grahovo	8 October	24 November	29 March	16 May
Broginj	11 October	20 December	9 March	20 April
Cetinje	15 October	2 December	25 March	24 April
Crkvice	7 October	11 November	7 April	24 April
Debar	14 October	26 November	23 March	17 April
Kolašin	15 October	21 November	10 April	16 May
Konjako	13 November	16 December	23 March	18 April
Lasko	5 October	17 November	1 April	10 May
Ljubljana	6 October	14 November	27 March	27 April
Novoselje	17 October	2 December	1 April	2 May
Nikšić	13 November	12 December	15 March	20 April
Niš	1 November	27 November	16 March	21 April
Ohrid	13 October	7 December	23 March	23 April
Peć	31 October	23 November	23 March	20 April
Pljevlja	4 October	9 November	21 April	16 May
Podgrad	16 October	8 December	18 March	26 April
Prilep	16 October	20 November	28 March	3 May
Prizren	14 October	24 November	24 March	20 April
Sarajevo	3 October	3 November	13 April	16 May
Sasa	18 October	20 November	7 April	28 May
Skopje	15 October	17 December	6 March	13 April
Titovo Užice	13 October	21 November	7 April	16 May
Žabljak	1 October	15 October	12 May	28 May
Zvornik	12 November	1 December	25 March	24 April
Coast and Islands:				
Bar	17 December	21 January	9 February	30 March
Cesarica	11 December	6 January	10 February	28 April
Hvar	20 December	21 January	1 February	16 March
Kraljevica	13 December	17 January	1 February	12 March
Mostar	26 November	5 January	12 February	6 May
Pasin	11 November	28 December	22 February	18 March
Pula	13 December	30 January	9 February	27 March

FIGURE 87. MEAN NUMBER OF DAYS WITH SNOW COVER

REGION AND STATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YRS REC
Northern Plains:														
Belgrade	13	9	5	*	0	0	0	0	0	0	*	10	37	16
Čakovec	16	10	4	0	0	0	0	0	0	*	*	10	40	16
Đurđevac	13	6	2	0	0	0	0	0	0	0	*	12	34	16
Plok	6	4	4	0	0	0	0	0	0	0	0	4	18	16
Kragujevac	13	9	5	*	0	0	0	0	0	0	1	11	40	16
Novi Sad	7	6	4	*	0	0	0	0	0	0	*	6	24	16
Novska	11	10	4	0	0	0	0	0	0	0	*	8	33	16
Osijek	12	8	5	*	0	0	0	0	0	0	*	9	34	16
Slavonski Brod	14	10	5	*	0	0	0	0	0	*	*	8	37	16
Senta	13	8	3	0	0	0	0	0	0	0	0	9	34	16
Vršac	9	7	4	*	0	0	0	0	0	0	*	8	28	16
Zagreb	16	11	6	*	0	0	0	0	0	*	*	12	46	16
Interior Highlands:														
Banja Luka	11	7	3	0	0	0	0	0	0	0	*	12	33	16
Bihać	2	2	1	*	*	0	0	0	0	0	1	5	11	16
Bitola	6	6	4	*	0	0	0	0	0	0	1	5	22	16
Bjelašnica	31	28	31	20	20	11	2	2	3	11	19	31	218	16
Bosansko Grahovo	3	4	2	1	0	0	0	0	*	1	1	3	17	16
Cetinje	13	11	10	2	0	0	0	0	0	*	1	8	45	16
Debar	8	7	2	1	0	0	0	0	0	0	1	3	22	16
Kolašin	26	25	15	10	*	0	0	0	0	1	1	14	97	16
Konjsko	5	3	3	1	0	0	0	0	0	0	*	5	20	16
Kosovska Mitrovica	7	9	3	1	0	0	0	0	0	0	*	6	26	16
Kruševac	11	9	5	*	0	0	0	0	0	0	*	9	34	16
Ljubljana	19	16	7	1	0	0	0	0	0	1	2	15	60	16
Novoselje	3	4	2	1	*	0	0	0	0	*	1	4	15	16
Nikšić	9	8	5	1	0	0	0	0	0	0	*	6	28	16
Niš	9	9	3	*	0	0	0	0	0	0	*	9	27	16
Ohrid	1	*	*	0	0	0	0	0	0	0	0	*	2	16
Peć	9	10	6	*	0	0	0	0	0	0	*	8	33	16
Pljevlja	18	19	10	2	0	0	0	0	0	*	1	11	61	16
Prilep	8	6	2	*	0	0	0	0	0	*	*	8	25	16
Priština	5	3	*	*	0	0	0	0	0	0	*	2	11	16
Ravna Gora	24	24	16	5	*	0	0	0	1	4	6	21	100	16
Sarajevo	21	10	10	2	0	0	0	0	*	1	4	17	65	16
Skopje	7	5	1	0	0	0	0	0	0	0	*	7	20	16
Titovo Užice	12	9	7	1	0	0	0	0	0	0	1	9	38	16
Trebinje	1	1	*	0	0	0	0	0	0	0	0	1	3	16
Zaječar	14	9	4	*	0	0	0	0	0	0	1	10	38	16
Zvornik	1	*	0	0	0	0	0	0	0	0	0	1	2	16
Coast and Islands:														
Cesarica	*	*	0	0	0	0	0	0	0	0	0	0	*	16
Hvar	1	1	0	0	0	0	0	0	0	0	0	*	1	16
Kraljevica	*	1	*	0	0	0	0	0	0	0	0	1	2	16
Mostar	1	*	*	*	0	0	0	0	0	0	0	1	2	16
Rab	0	1	*	0	0	0	0	0	0	0	0	*	1	16
Titograd	3	*	*	0	0	0	0	0	0	0	0	1	5	16

NOTE A day with snow cover is defined as a day when more than half of the ground in the vicinity of the meteorological station is covered by snow.

* <0.5 day.

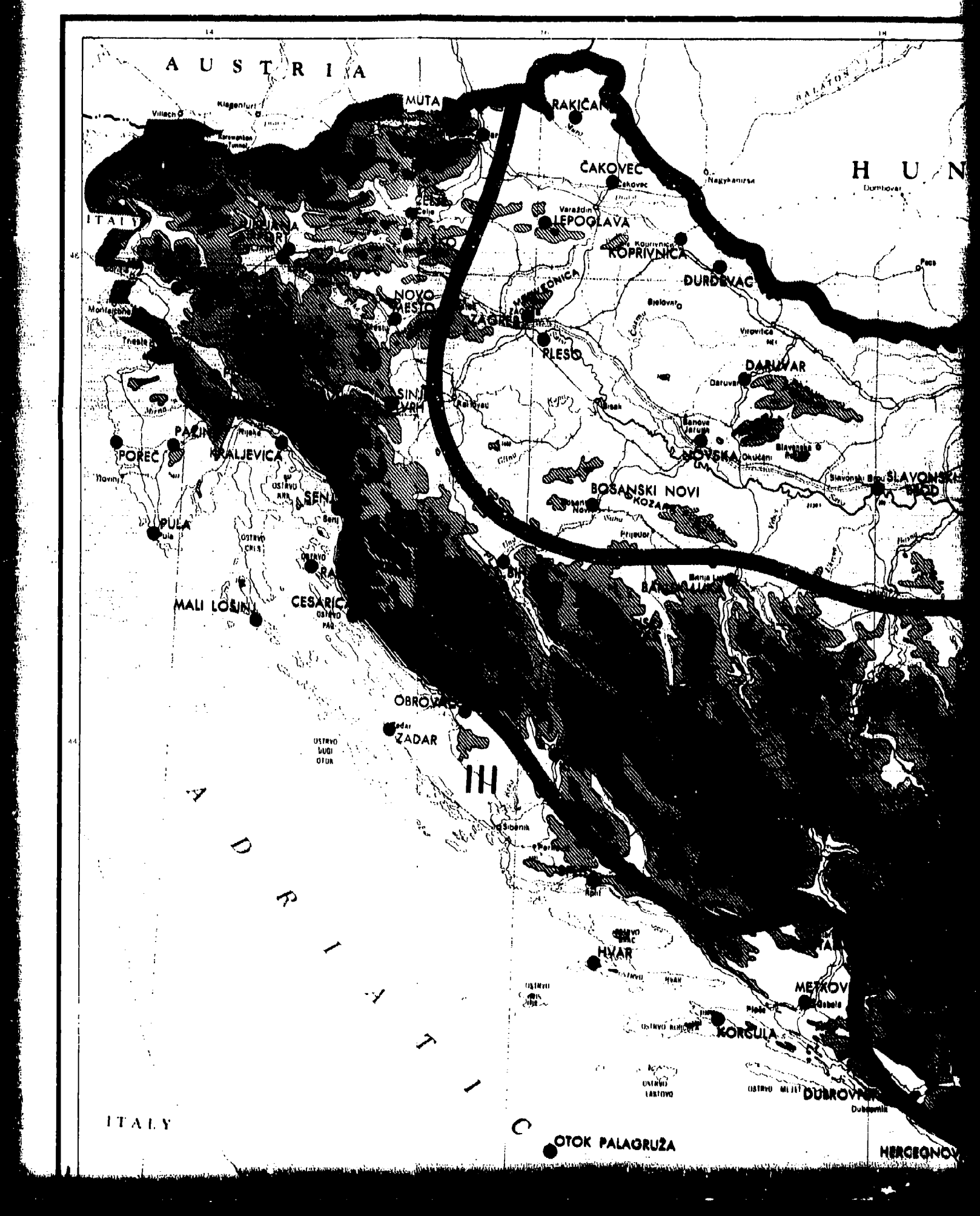
LIST OF STATIONS

REGION AND STATION	LATITUDE*	LONGITUDE*	ELEVATION
	°N.	°E.	*feet*
Northern Plains:			
Bečej	45 37	20 02	269
Belgrade	44 48	20 28	435
Bijeljina	44 45	19 13	308
Bilje	45 36	18 45	298
Bosanski Novi	45 03	16 22	751
Bukovik	44 19	20 32	840
Čakovec	46 23	16 26	558
Daruvar	45 36	17 14	597
Đurđevac	46 03	17 04	397
Ilok	45 13	19 22	426
Koprivnica	46 10	16 50	489
Kragujevac	44 01	20 55	574
Lepoglava	46 13	16 03	738
Novi Sad	45 15	19 52	282
Novska	45 20	16 59	410
Osijek	45 32	18 44	302
Pleso	45 44	16 04	351
Rakitian	46 39	16 12	610
Senta	45 56	20 05	262
Slavonski Brod	45 09	18 01	302
Subotica	46 06	19 40	374
Veliko Gradište	44 45	21 31	272
Vršac	45 07	21 18	298
Zagreb	45 49	15 58	535
Interior Highlands:			
Ajdovščina	45 53	13 54	358
Bubno Polje	45 39	14 33	2,480
Banja Luka	44 46	17 10	512
Bihać	44 49	15 52	748
Bijelo Polje	43 02	19 46	1,923
Bitola	41 03	21 22	2,060
Bjelašnica	43 43	18 09	6,780
Bosanski Petrovac	44 34	16 21	2,535
Bosansko Grahovo	44 11	16 22	2,057
Breginj	46 16	13 26	1,827
Celje	46 14	15 16	790
Cetinje	42 23	18 56	2,205
Crkvice	42 34	18 38	3,337
Debar	41 32	20 32	2,214
Demir Kapija	41 24	22 15	107
Dojkinci	43 14	22 47	2,886
Foča	43 30	18 48	1,279
Golnik	46 20	14 20	1,040
Goransko	43 07	18 50	3,378
Gospić	44 33	15 22	1,853
Knin	44 02	16 12	787
Kočani	41 55	22 25	1,155
Kolašin	42.49	19 32	3,165
Konjsko	41 11	22 20	1,968
Kosovska Mitrovica	42 53	20 52	1,709
Kraljevo	43 44	20 41	725
Kranjska Gora	46 29	13 47	2,663
Kruševac	43 36	21 19	508
Lasko	46 09	15 14	735
Ljubljana	46 02	14 30	977
Ljubljana Airport	46 04	14 34	955
Loznica	44 33	19 14	400

REGION AND STATION	LATITUDE*	LONGITUDE*	ELEVATION
	°N.	°E.	*feet*
Interior Highlands (*Continued*):			
Maribor	46 34	15 39	886
Mlinište	44 14	18 51	3,793
Muta	46 39	15 09	3,414
Novesinje	43 16	18 07	2,919
Nikšić	42 46	18 58	2,132
Niš	43 20	21 54	640
Novi Pazar	43 08	20 31	1,798
Novo Mesto	45 48	15 11	643
Ohrid	41 06	20 49	2,283
Peć	42 40	20 17	1,716
Pirot	43 10	22 35	1,289
Pljevlja	43 22	19 22	2,523
Podgrad	45 32	14 09	1,837
Prilep	41 21	21 34	2,168
Priština	42 40	21 10	2,066
Prizren	42 12	20 44	1,430
Ravna Gora	45 22	14 57	2,601
Sarajevo	43 50	18 21	1,716
Sasa	42 05	22 33	3,083
Sinji Vrh	45 27	15 11	1,207
Skopje	41 59	21 28	787
Štip	41 45	22 10	984
Struga	41 11	20 41	2,286
Studenci	43 32	17 03	2,945
Šuica	43 50	17 12	3,116
Tanda	44 14	22 08	1,096
Titovo Užice	43 52	19 51	1,391
Trebinje	42 43	18 21	895
Vranje	42 33	21 54	1,574
Žabljak	43 09	19 07	4,756
Zaječar	43 54	22 16	420
Zenica	44 12	17 55	1,033
Zvornik	44 28	19 06	558
Coast and Islands:			
Bar	42 06	19 06	164
Brindisi**	40 40	17 57	72
Cesarica	44 34	15 01	164
Dubrovnik	42 39	18 06	151
Hercegnovi	42 27	18 34	689
Hvar	43 11	16 27	66
Korčula	42 58	17 09	30
Kraljevica	45 16	14 34	3
Mali Lošinj	44 32	14 28	13
Metković	43 03	17 39	20
Mostar	43 20	17 49	194
Obrovac	44 12	15 41	187
Otok Palagruža	42 24	16 15	269
Pasin	45 14	13 56	902
Poreč	45 14	13 36	59
Pula	44 52	13 51	118
Rab	44 46	14 46	30
Senj	44 59	14 54	23
Split	43 31	16 26	420
Titograd	42 26	19 17	174
Ulcinj	41 55	19 13	328
Zadar	44 07	15 14	13

* Coordinates give locations of weather stations and do not necessarily correspond to those for populated places.

** Near but outside NIS Area.


AUSTRIA
MUTA
RAKIČAN
ČAKOVEC
LEPOGLAVA
KOPRIVNICA
DURDEVAC
NOVO MESTO
ZAGREB
PLESO
DARUVAR
SINJ
PAZIN
POREČ
KRALJEVICA
PULA
SENJ
BOSANSKI NOVI
MALI LOŠINJ
CESARICA
OBROVAC
ZADAR
ADRIATIC
HVAR
KORČULA
ITALY
OTOK PALAGRUŽA


A R Y
R U M A N I A
Szeged
Baja
SUBOTICA
Subotica
Kanjiža
SENTA
Senta
Bačka Topola
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Sombor
Bačko Petrovo Selo
BEČEJ
Bečej
Novi Bečej
BILJE
Apatin
Kulpin
Vrbas
Apatin
OSIJEK
Temerin
Žabalj
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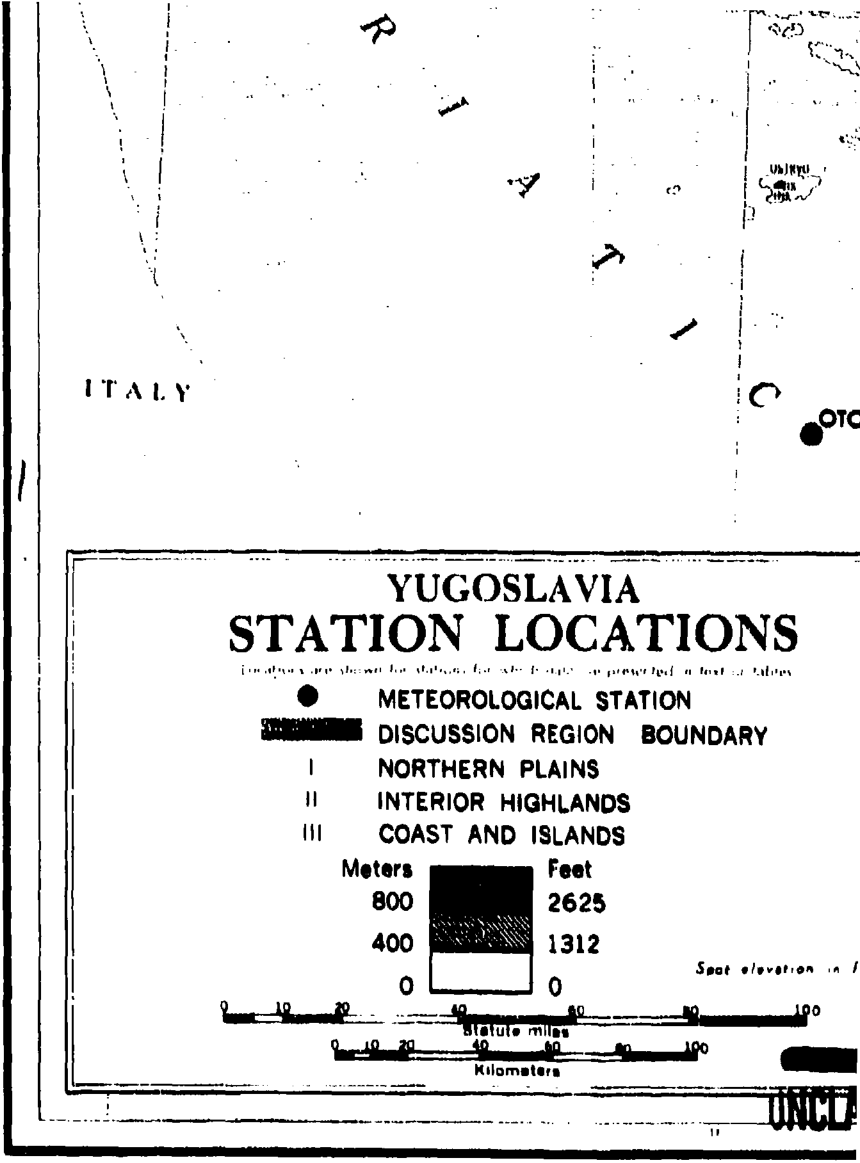
Sremska Mitrovica
Ruma
Stara Pazova
Pančevo
BELGRADE
BEGRADE
BIJELJINA
Bijeljina
Šabac
VELIKO GRADIŠTE
Veliko Gradište
Požarevac
IRON GATES
Tekija
ZVORNIK
BIJKOVIK
Velika Plana
Negotin
Vidin
44
46



[redacted]

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[redacted] 42236

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STATION LOCATIONS FIGURE 68

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The General Survey is the NIS unit which provides comprehensive but concise coverage of the basic characteristics of the Area and normally consists of the following topics: Significance of the Area, Military Geography, Transportation and Telecommunications, Sociological, Political, Economic, Scientific, and Armed Forces.

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