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Global Maps of foF2 Derived From Observations and Theoretical Values

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Global Maps of foF2 Derived From Observations and Theoretical Values

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GLOBAL MAPS OF foF2 DERIVED FROM OBSERVATIONS AND THEORETICAL VALUES

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Observations of the F2-region critical frequency, foF2, and values determined from the time-dependent continuity equation for ions and electrons in the ionosphere have been used to develop a new set of numerical coefficients to represent the global variation of foF2. The coefficients developed in this study, like those in earlier investigations, permit monthly median hourly values of foF2 to be obtained at any location around the globe for any month of the year and solar activity level. The procedures undertaken to develop the new numerical coefficients are described in this report. Comparisons between foF2 determined using older sets of numerical coefficients and foF2 determined using the new set of coefficients are given along with a description of how well each set of coefficients specifies and predicts the observed variations in the F2-region critical frequency.

Key Words: ionospheric maps; critical frequency; time-dependent continuity equation

1. INTRODUCTION

The F2 region of the ionosphere exhibits a profound influence upon the performance of long distance HF propagation circuits and upon radio signals (HF and VHF) that propagate through the ionosphere. The structure of the F2 region varies with time and space and imparts comparable variations upon the radio signals that traverse it. The critical frequency of the F2 region, foF2, is a fundamental parameter that is used in the specification and prediction of the structure of the F2 region. Global maps of foF2 are used as the basis for various ionospheric models (Nisbet, 1971), HF propagation prediction

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methods (CCIR, 1982a; Teters et al., 1983), and transionospheric propagation models (Bent et al., 1978). These maps (denoted hereafter as CCIR maps) are generated from numerical coefficients obtained by performing a spherical harmonic analysis on observed monthly median values of foF2 described by Jones and Gallet (1962). The accuracy of the global representation of foF2 obtained from the CCIR maps is dependent upon the geographical distribution of the stations whose data were used in the generation of the numerical coefficients. Where observations were available for inclusion in the analysis that generated the coefficients, the accuracy of foF2 is quite reasonable (King and Slater, 1973). At locations where data were not available (such as oceans), the accuracy of foF2 determined from the coefficients is questionable.

In a recent paper, Rush et al. (1983) described how theoretically derived values of the F2-region critical frequency, foF2, could be used to improve the global representation of foF2 that is achievable using the CCIR numerical coefficients (CCIR, 1982b). The improvement is obtained by combining values of foF2 derived from the time-dependent continuity equation for ions (and electrons) with monthly median observations of foF2 to obtain data bases that can be subjected to spherical harmonic analysis. The harmonic analysis then yields coefficients that represent the global variation of foF2 that is consistent with both observations and the current understanding of the physical mechanisms responsible for the large-scale ionospheric variations.

The results presented by Rush et al. (1983) were confined to the months of July, September, and December and the years 1975 and 1978. The results for the year 1975 were taken as being indicative of sunspot minimum conditions and those for 1978 were indicative of sunspot maximum conditions. A limited number of comparisons between foF2 values derived from the CCIR maps and the foF2 values derived from the new coefficients were also given. Since that paper was published, numerical coefficients for each month of a sunspot minimum and a sunspot maximum year have been developed that are based upon the same principles as given by Rush et al. (1983). It is the purpose of this report to describe the most recent results obtained and to present detailed comparisons of observed foF2 values with values of foF2 derived from the CCIR maps and with values of foF2 derived from the new coefficients. For the sake of completeness, the results obtained for the months of July, September, and December 1975 and 1978 which were discussed by Rush et al. (1983) are also presented here.

In the next section, the data and the sources of data used in the development of the new foF2 coefficients are described. Observations of monthly median hourly values of foF2 obtained from vertical incidence ionosondes located throughout the world were used as the primary data source. In the third section, the use of the time-dependent continuity equation to derive values of foF2 is presented. In Section 4, the analysis procedures employed to produce the new coefficients are briefly described; and, in Section 5, the new maps are described and the results of the many comparisons that were undertaken as part of this study are presented. In the last section, the overall results are summarized and the conclusions drawn from them are given.

2. DATA AND DATA SOURCES

In this study, numerical coefficients that represent the global variations of foF2 have been determined for each month for July 1975 to June 1976 and for July 1978 to June 1979. The coefficients for July 1975 to June 1976 are representative of solar minimum conditions and those for July 1978 to June 1979 are representative of solar maximum conditions. Table 1 lists the 12-month average Zurich sunspot number for each of the months for which coefficients were derived. It is evident from the table that for solar minimum (1975/1976) the sunspot numbers do not vary greatly from month-to-month and are typically on the order of 10 to 15 units. For solar maximum (1978/1979), however, the sunspot number increases continuously from 95 in July 1978 to 154 in June 1979. Thus, the coefficients obtained in this study for solar maximum may not accurately represent the highest solar maximum conditions that are observed, particularly for the months July through December 1978.

In developing the first set of numerical maps of ionospheric data, Jones and Gallet (1962) found it necessary to ensure that foF2 data existed at sufficient locations so that the mapped fields did not have negative values. These negative values resulted from instabilities in the maps in areas where data were either nonexistent or sparse. In order to prevent instabilities, Jones and Gallet employed a "screen analysis" whereby observations available at specific locations were extrapolated to areas devoid of data taking account of the geomagnetic field control of the F2 region. Inherent in this procedure is the assumption that the temporal variations in foF2 at one location (observation point) are simply related to those at another location (extrapolated

Table 1. Smoothed Observed Sunspot Numbers for
July 1975 Through June 1976 and
July 1978 Through June 1979

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1975							15.0	14.3	14.5	15.6	16.3	16.5
1976	15.2	13.2	12.2	12.6	12.5	12.2						
1978							95.0	104.0	108.4	111.0	113.3	116.7
1979	122.8	130.4	136.1	141.0	147.4	153.7						

point) in a relatively simple manner. This assumption may be valid for regions over which extrapolation does not have to be extended to great distances (see for example Rush, 1976). However, the inaccuracies in the maps over the ocean areas, for example, point up the need for a better estimate of the behavior of foF2 in regions of the earth inaccessible to routine observations.

In the development of the new set of numerical coefficients discussed in this report, the screen analysis of Jones and Gallet (1962) was abandoned in favor of a more physically based approach. In order to obtain a uniform data set that could be subjected to the spherical harmonic analysis techniques used by Jones and Gallet, observations of foF2 obtained from vertical-incidence ionosondes were combined with foF2 values determined from the time-dependent continuity equation for ions (and electrons). In this section, the values of foF2 determined directly from observations or inferred from observations will be discussed. The values of foF2 determined by use of the continuity equations will be discussed in the next section.

Monthly median observations of foF2 obtained from the stations given in Table 2 form the basis for the spherical harmonic analysis. In the table, the station name and location in geographic coordinates are given. Also given in the table is the letter A or B under each of the two solar cycle epochs. The letter A refers to data that were observed at the station for the time period 1975/1976 and/or 1978/1979. The letter B refers to data observed at the station in question for a different solar epoch and adjusted to the solar epochs in 1975/1976 or 1978/1979 using a polynomial interpolation procedure

Table 2. Ionosonde Stations Providing Data Used
in the Determination of foF2 Coefficients

Station Name	Latitude (°N)	Longitude (°E)	1975/1976	1978/1979
Arctic I (USSR) Floating Ice Island			B	B
Arctic II (USSR) Floating Ice Island			B	B
Arctic III (USSR) Floating Ice Island			B	B
Heiss Island, USSR	80.6	58.0	A	B
Thule, Greenland	76.4	291.3	B	B
Resolute Bay, Canada	74.7	265.1	A	A
Dixon Island, USSR	73.5	80.4	B	B
Barrow, Alaska, USA	71.3	203.2	B	B
Godhavn, Greenland	69.3	306.5	B	B
Kiruna, Sweden	67.8	20.4	A	A
Sodankyla, Finland	67.4	26.6	A	A
Salekhard, USSR	66.5	66.7	A	A
Lycksele, Sweden	64.7	18.8	A	A
Archangelsk, USSR	64.6	40.5	-	A
Providenya, USSR	64.4	186.6	B	B
Tunguska, USSR	61.6	90.0	-	A
Yakutsk, USSR	62.0	129.6	-	A
Narsarsuaq, Greenland	61.2	314.6	B	B
Anchorage, Alaska, USA	61.2	210.1	B	B
Leningrad, USSR	60.0	30.7	A	A
Nurmijarvi, Finland	60.5	24.6	A	A
Uppsala, Sweden	59.8	17.6	A	A
Churchill, Canada	58.8	265.8	A	A
Gorky, USSR	56.1	44.3	A	A
Sverdlovsk, USSR	56.7	61.1	A	A
Tomsk, USSR	56.5	84.9	A	A
Juliusruh/Rugen, Federal Republic of Germany	54.6	13.4	A	A
Moscow, USSR	55.5	37.3	A	A
Goosebay, Canada	53.3	299.2	A	A
De Bilt, Netherlands	52.1	5.2	A	A
Pruhonice, Czechoslovakia	50.0	14.6	A	A
Miedzeszyn, Poland	52.2	21.2	A	A
Irkutsk, USSR	52.5	104.0	A	A
Slough, England	51.5	359.4	A	A
Adak, Alaska, USA	51.9	183.1	B	B
Lindau, Federal Republic of Germany	51.6	10.1	A	A
Dourbes, Belgium	50.1	4.6	A	A
Rostov, USSR	47.2	39.7	A	A
Winnipeg, Canada	49.8	265.6	A	-
Freiburg, Federal Republic of Germany	48.1	7.6	A	-
Khabarovsk, USSR	48.5	135.1	A	A
Lannion, France	48.5	356.7	A	A
Budapest, Hungary	46.7	21.2	A	-
Saint John's, Canada	47.6	307.3	A	-

Table 2. Ionosonde Stations Providing Data Used in the
Determination of foF2 Coefficients (Continued)

Station Name	Latitude (°N)	Longitude (°E)	1975/1976	1978/1979
Poitiers, France	46.6	0.3	A	A
Wakkanai, Japan	45.4	141.7	A	A
Ottawa, Canada	45.4	284.1	A	A
Alma-Ata, USSR	43.2	76.9	A	A
Tbilisi, USSR	41.7	44.8	A	A
Rome, Italy	41.8	12.5	A	B
Tashkent, USSR	41.3	69.6	-	A
Tortosa, Spain	40.8	0.3	A	B
Boulder, Colorado, USA	40.0	254.7	A	A
Akita, Japan	39.7	140.1	A	A
Gibilmanna, Sicily	38.0	14.0	-	A
Ashkabad, USSR	37.9	58.3	A	A
Seoul, South Korea	37.4	127.0	A	A
Wallops, Virginia, USA	37.9	284.5	A	A
Point Arguello, California, USA	35.6	239.4	A	A
Tokyo, Japan	35.7	139.5	A	A
White Sands, New Mexico, USA	32.3	253.5	-	A
Yamagawa, Japan	31.2	130.6	A	A
Wuhan, China	30.6	114.4	A	A
Delhi, India	28.6	77.2	B	B
Okinawa, Japan	26.3	127.8	A	A
Taipei, Taiwan	25.0	121.2	A	A
Ahmedabad, India	23.0	72.6	B	B
Hong Kong, Southeast Asia	22.3	114.2	B	B
Maui, Hawaii, USA	20.8	203.5	A	A
Mexico City, Mexico	19.4	260.3	A	A
Dakar, Senegal	14.7	342.6	A	B
Manila, Phillipines Island	14.7	121.1	A	A
Bangkok, Thailand	13.7	100.6	A	A
Ouagadougou, Upper Volta	12.4	358.5	A	A
Djibouti, Northeast Africa	11.6	42.8	A	A
Kodaikanal, India	10.2	77.5	A	-
Thumba, India	8.6	76.9	A	-
Vanimo, New Guinea	-2.7	141.3	A	A
Huancayo, Peru	-12.0	284.7	A	A
Tahiti, Pacific Ocean	-17.7	210.7	A	A
Tsumeb, Namibia	-19.2	17.7	A	-
Townsville, Australia	-19.3	146.7	A	A
Raratonga, Cook Island	-21.2	200.2	A	A
Johannesburg, South Africa	-26.1	28.1	A	A
Tucuman, Argentina	-26.9	294.6	A	A
Brisbane, Australia	-27.5	152.9	A	A
Norfolk Island, Pacific Ocean	-29.0	168.0	A	A
Mundaring, Australia	-32.0	116.2	A	A
Capetown, South Africa	-34.1	18.3	A	-
Buenos Aires, Argentina	-34.5	301.5	A	-
Canberra, Australia	-35.3	149.0	A	A

Table 2. Ionosonde Stations Providing Data Used in the
Determination of foF2 Coefficients (Concluded)

Station Name	Latitude (°N)	Longitude (°E)	1975/1976	1978/1979
Concepcion, Chile	-36.6	287.0	A	A
Auckland, New Zealand	-37.0	175.0	A	A
Hobart, Australia	-42.9	147.2	A	A
Christchurch, New Zealand	-43.6	172.8	A	A
Kerguelen, Indian Ocean	-49.4	70.3	A	A
Port Stanley, Falkland Islands	-51.7	302.2	A	A
Campbell Island, Pacific Ocean	-52.5	169.2	A	A
South Georgia, Atlantic Ocean	-54.3	323.5	A	-
Argentine Island, Antarctica	-65.2	295.7	A	A
Casey Base, Antarctica	-66.2	110.5	B	B
Mirny, Antarctica	-66.5	93.0	B	B
Terre Adelie, Antarctica	-66.7	140.0	A	A
Mawson, Antarctica	-67.6	62.9	B	A
Syowa Base, Antarctica	-69.0	39.6	A	A
Sanae, Antarctica	-70.3	357.6	A	A
Halley Bay, Antarctica	-75.5	333.4	A	A
Scott Base, Antarctica	-77.8	166.8	A	A
Vostok, Antarctica	-78.4	106.9	B	B
Byrd Station, Antarctica	-80.0	240.0	B	B
South Pole, Antarctica	-90.0	0.0	B	B

Key: The symbol A indicates that median observations for the time period in question were used in the analysis.

The symbol B indicates that observations were used to predict the median value of foF2 for the time period in question.

(Crow and Zacharisen, 1960). To obtain values of foF2 from the interpolation procedure for a given location, observations at that location had to be available for the month in question for other solar epochs. Data of this type are referred to in this report as B data. The use of data similar to B data in other geophysical disciplines has been pointed out by Rush et al. (1982). Actual observed monthly median data are denoted as A data.

Figure 1 depicts the distribution of A- and B-data sources throughout the world. The figure vividly illustrates the lack of observed data spread uniformly throughout the globe. Obviously A- and B-data sources are available over land-based regions. Most of the globe, however, is not covered with these observations. This situation was ameliorated by using the time-dependent continuity equation to generate foF2 values in the data-sparse areas. In actual fact, the continuity equation was used to determine foF2 values at middle and high latitudes (latitudes greater than about 25° north or south magnetic latitude).

The data needed for the unobserved regions in the equatorial ionosphere were not derived in as rigorous a fashion as those for the unobserved regions at other latitudes. This is due primarily to the fact that for the time-dependent continuity equation to yield realistic values of foF2 at low magnetic latitudes, the vertical electrodynamic drift at the equator must be included in the calculation. This results in calculations that are very lengthy and time-consuming even for modern computers. It was determined that it was impractical in this investigation to obtain values of foF2 needed for the low latitudes from the theoretical or time-dependent continuity equation. Rather, what was done was to take foF2 observations at the available low-latitude locations and plot them onto global maps for each hour of local time. The variation of foF2 plotted at constant local time is much smoother than when plotted in constant universal time. Contours of constant foF2 were then constructed at each hour of local time for each month from the plotted values of foF2. It was found that distinct and noticeable differences in the shape and form of the contours had to be drawn for regions of the globe where the magnetic field has an eastward declination and where it has a westward declination. Once the contours were drawn for each hour of local time for a given month, the local time maps were used to determine foF2 at specific points in the low-latitude ionosphere. These low-latitude values were then combined with the values of foF2 determined from the time-dependent continuity equations and the A and B data to

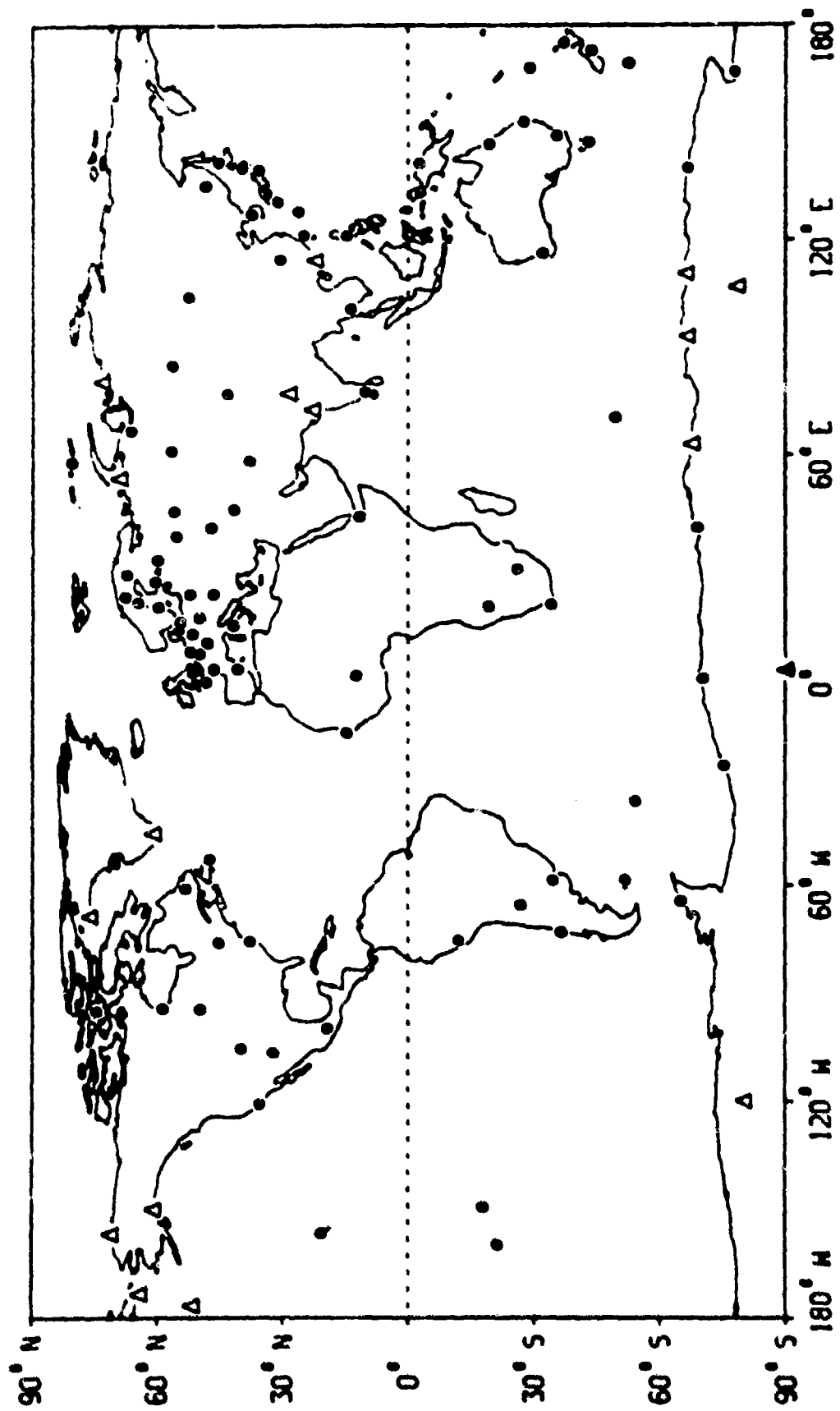


Figure 1. Location of ionosonde stations providing data used in determination of foF2 coefficients. The open triangles refer to those locations where B data were used for both solar epochs. The closed circles indicate the locations where A data were used for at least one of the two solar epochs.

provide the data base needed to generate numerical coefficients from the spherical harmonic analysis of Jones and Gallet (1962).

3. THEORETICALLY DERIVED DATA

As mentioned in previous sections, the time-dependent ion continuity equation was used to calculate values of foF2 at middle and high latitude regions where observations of foF2 were not available. The values of foF2 thus determined are referred to hereafter as theoretical values. They were obtained by use of the time-dependent ion continuity equation as described by Anderson (1973) and applied to ionospheric mapping studies by Rush et al. (1983).

The continuity equation is given by

$$\frac{\partial N_i}{\partial t} + \nabla \cdot (N \bar{V}_i) = P_i - L_i \quad (1)$$

where N_i is the ion density; P_i , the ion production rate, L_i , the loss rate; and $\bar{V}_i$, the transport velocity. In the ionosphere, plasma is transported along the geomagnetic field lines by diffusion and neutral winds and perpendicular to the field lines primarily by electrodynamic ($\bar{E} \times \bar{B}$) drifts. For the purposes of this investigation, it was assumed at middle and high latitudes that the transport of plasma along the field lines greatly exceeded the transport across the field lines. The movement of plasma due to electrodynamic drift was, therefore, neglected permitting a much simpler and computationally efficient solution to Equation (1).

The continuity equation was solved numerically following Anderson (1973), to give N_i ($= N_e$, electron density) as a function of altitude, latitude, and local time. In arriving at a solution for N_i , it was assumed that the only ion of concern was atomic oxygen (O^+), a valid approximation for F2-region heights. The parameters needed to solve the ion continuity equation were obtained from models of the neutral composition and temperature, ion and electron temperatures, production, loss and diffusion rates, and neutral wind models. These models were determined for the appropriate month and sunspot number given in Table 1. In addition, a model of the geomagnetic field had to be assumed in order to arrive at a solution to Equation (1). The details of the models of the parameters used to develop theoretical values of foF2 are discussed below.

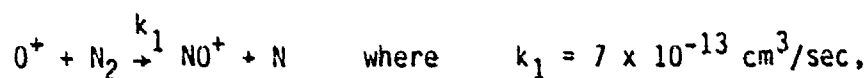
3.1 Neutral Atmosphere Model

The neutral atmospheric model derived from mass spectrometer and incoherent scatter data designated as the MSIS model (Hedin et al., 1977) was used to calculate the density of nitrogen (N_2), molecular oxygen (O_2), and atomic oxygen (O) and the neutral temperature, T_n , as a function of altitude, latitude, and local time. At all altitudes and local times, it was assumed that the ionosphere was in thermal equilibrium with the neutral (T_n), ion (T_i), and electron (T_e) temperatures being equal. Values of N_2 , O_2 , O , and T_n were obtained as a function of altitude, latitude, and local time for the specific solar conditions given in Table 1.

3.2 Production and Loss Rate

The production rate and the loss rate reactions incorporated in the calculations of the O^+ densities were the same as those used by Rush et al. (1983). The photoionization coefficient, P , at the top of the atmosphere was used to determine the production rates for each month. This coefficient was adjusted according to the solar conditions appropriate for that month. For some months, it was found necessary to have slightly different values of P for the northern and southern hemispheres. Table 3 gives the values of P that were used for each month.

The loss rate was determined from the reactions:



The hour-to-hour and month-to-month variation in the loss rate is tied to similar variations in the neutral atmospheric parameters O , O_2 , N_2 , and T_n .

3.3 Diffusion Coefficient

The coefficient needed to account for transport of plasma by ambipolar diffusion, D_{in} , is that appropriate for elastic collisions between ions and neutrals and is given by (Anderson, 1973):

$$D_{in}^{-1} = \frac{300}{T_n} \left[\frac{[O_2]}{\sigma O_2} + \frac{[N_2]}{\sigma N_2} + \frac{[O]}{\sigma O} \right]$$

where

$$\sigma O_2 = 3.3 \times 10^{18} \text{ cm}^{-1} \text{ sec}^{-1},$$

$$\sigma N_2 = 3.9 \times 10^{18} \text{ cm}^{-1} \text{ sec}^{-1},$$

and

$$\sigma O = 3.7 \times 10^{18} \text{ cm}^{-1} \text{ sec}^{-1}.$$

The terms $[O_2]$, $[N_2]$, and $[O]$ represent the number densities of molecular oxygen, molecular nitrogen, and atomic oxygen, respectively. These values, along with T_n , were derived from the neutral atmosphere model and vary with time in accord with the MSIS model.

Table 3. Rate of Ion Production, $P(\text{sec}^{-1})$

Month	1975/1976		1978/1979	
	Northern Hemisphere	Southern Hemisphere	Northern Hemisphere	Southern Hemisphere
July	2.3×10^{-7}	2.4×10^{-7}	4.0×10^{-7}	4.0×10^{-7}
August	2.3×10^{-7}	2.4×10^{-7}	4.0×10^{-7}	4.0×10^{-7}
September	2.3×10^{-7}	2.3×10^{-7}	4.0×10^{-7}	4.0×10^{-7}
October	2.3×10^{-7}	2.3×10^{-7}	4.5×10^{-7}	4.5×10^{-7}
November	2.3×10^{-7}	2.3×10^{-7}	4.5×10^{-7}	4.5×10^{-7}
December	2.3×10^{-7}	2.3×10^{-7}	4.5×10^{-7}	4.5×10^{-7}
January	2.3×10^{-7}	2.3×10^{-7}	5.0×10^{-7}	4.5×10^{-7}
February	2.3×10^{-7}	2.3×10^{-7}	5.0×10^{-7}	4.5×10^{-7}
March	2.5×10^{-7}	2.5×10^{-7}	6.0×10^{-7}	6.0×10^{-7}
April	2.3×10^{-7}	2.3×10^{-7}	6.0×10^{-7}	6.0×10^{-7}
May	2.3×10^{-7}	2.4×10^{-7}	5.0×10^{-7}	6.0×10^{-7}
June	2.3×10^{-7}	2.3×10^{-7}	4.0×10^{-7}	4.0×10^{-7}

3.4 Neutral Wind Models

Values of meridional and zonal neutral-air winds for each of the months were deduced by fitting theoretically calculated values of foF2 to actual monthly median observations at specific mid-latitude locations. The continuity equation was used to calculate hourly values of foF2 for a location where foF2 observations were available and the meridional component of the wind was adjusted so that agreement between observed and calculated values were obtained. The calculation was then repeated for a location where the foF2 data were available and where the magnetic latitude was essentially the

same as for the first calculation but the declination of the geomagnetic field was different. Using the same meridional wind, the zonal wind component was adjusted so that calculated values of foF2 agreed with observations at the second location.

Meridional and zonal neutral wind models were determined for each of the months in the 1975/1976 and 1978/1979 time periods. Different models for the same months were obtained for the northern and southern hemispheres of the globe, and the winds were assumed to be independent of altitude.

Figure 2 shows the neutral wind models for the months of January 1976 and 1979 for both the northern and southern hemispheres. The variations seen in the zonal and meridional winds in Figure 2 are typical of the neutral wind patterns observed for all the months used in this analysis. The zonal wind is directed eastward during the evening hours and, for some months, in the hours immediately following midnight. During solar maximum, the eastward zonal wind prevails in the winter hemisphere around the sunrise hours. This is not the case at solar minimum when the zonal wind is either absent or directed to the west during the sunrise hours. The meridional wind is directed equatorward during the night and early morning hours and is either absent or directed toward the poles during the daylight hours.

The wind patterns for each month used in this investigation are shown in figures in Appendix A. Certain generalities can be made about the variations in the wind patterns by studying the figures in Appendix A. The eastward zonal wind is larger in the nighttime winter hemisphere than in the summer hemisphere during solar minimum, but not so during solar maximum. Except for the equinoctial months, the eastward directed zonal wind during solar minimum is larger than during solar maximum. The meridional winds display similar behavior. The equatorward meridional wind in the nighttime winter hemisphere is generally greater than that in the summer hemisphere. The daytime poleward meridional wind also tends to be larger during the winter months than during the summer months.

The neutral-air winds at F2-region altitudes result from the temperature and pressure gradients set up in the neutral atmosphere by diurnal heating and cooling (King and Kohl, 1965). The speed of the winds is slowed by collisional interactions between the neutral atmosphere and the ions at the F2-region heights. During times when the ionization density is large (such as solar maximum compared to solar minimum), the collisional forces or "ion-drag"

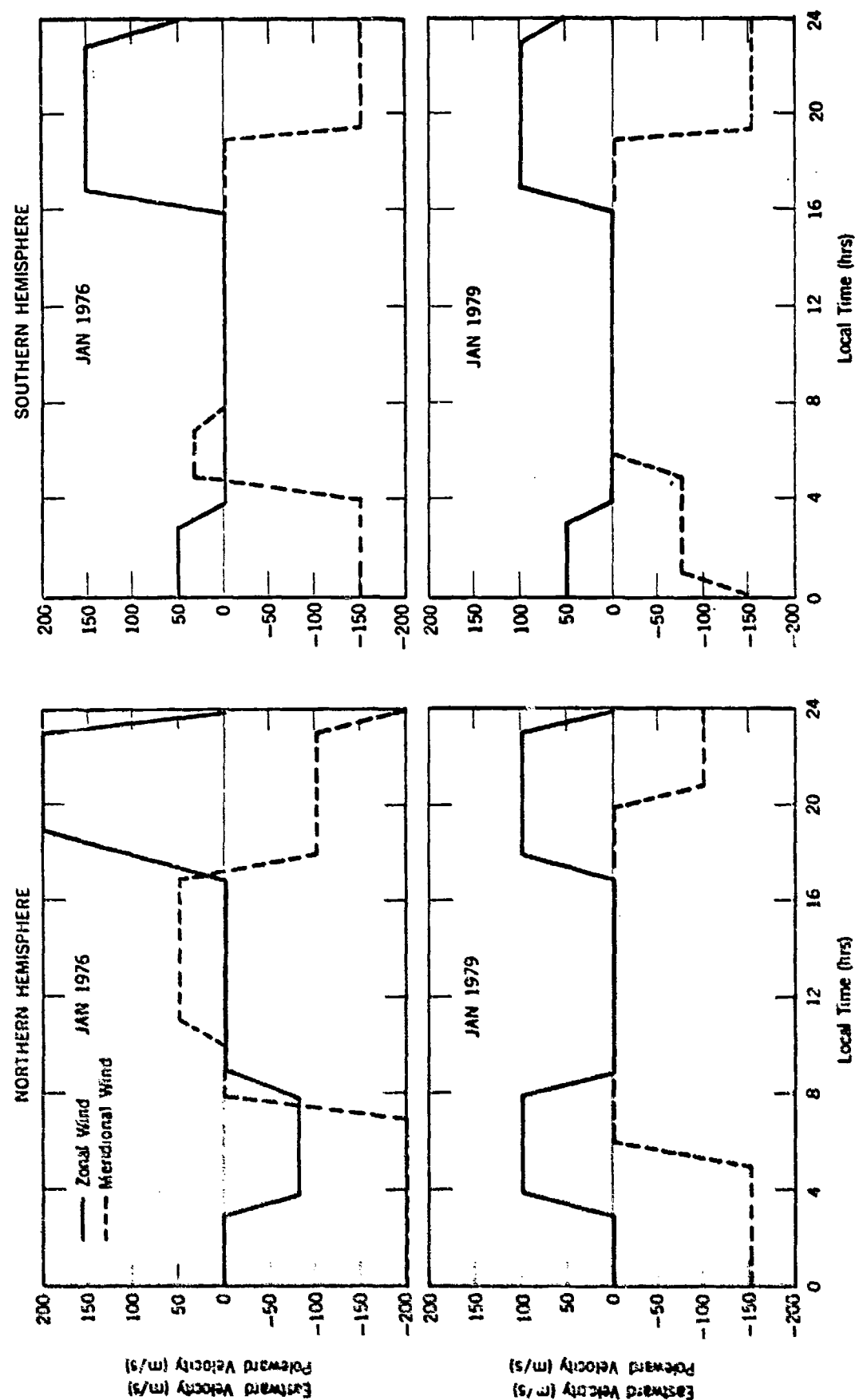


Figure 2. Meridional and zonal neutral wind models for January 1976 and 1979.

forces reduce the speed of the wind. The general variations in the wind patterns and the magnitude of the winds shown in Appendix A are consistent with the MSIS neutral atmospheric model and the diurnal, seasonal, and solar cycle variations of the ionization density in the F2 region.

In the F region, the neutral wind moves ionization along geomagnetic field lines. The equatorward meridional wind moves ionization up in altitude, and the poleward meridional wind moves ionization downward. The zonal wind imparts an upward or downward drift to the ionization depending upon the relative direction between the wind velocity and the declination of the geomagnetic field. In the southern hemisphere where the inclination of the geomagnetic field is directed upward, an eastward wind will impart a downward component to the ionization when the field is declined westward and an upward component when it is declined eastward. A westward wind in the southern hemisphere gives rise to an upward component when declination is westward and a downward component when the declination is eastward. The effect in the northern hemisphere is just the opposite because the inclination of the magnetic field lines is directed downward. Figure 3 provides a simplified illustration of the movement of ionization along the geomagnetic field due to zonal winds in the southern hemisphere and northern hemisphere for east and west geomagnetic declinations.

The interaction between the neutral-air wind zonal component and the geomagnetic field will give rise to very different diurnal variations of foF2 at eastward and westward declinations. Simply extrapolating observations from one location to another and taking into account only the magnetic latitude dependence of foF2 could result in placing data in areas where the declination is vastly different. This would give rise to foF2 values in inaccessible regions that are unrealistic and unrepresentative of the area. The magnitude of the error made will depend upon the difference between the declination at the observation location and the extrapolated location. Figure 4, which shows the magnetic declination of the 1975 epoch determined by the United States Defense Mapping Agency, illustrates the problem of simple extrapolation. Moving observations from land areas anywhere in the world to adjacent ocean areas results in placing the observations in regions with vastly different magnetic declinations. By using the time-dependent continuity equation to derive values of foF2 at inaccessible regions, the magnetic inclination and declination dependencies in the F2 region are properly taken into account.

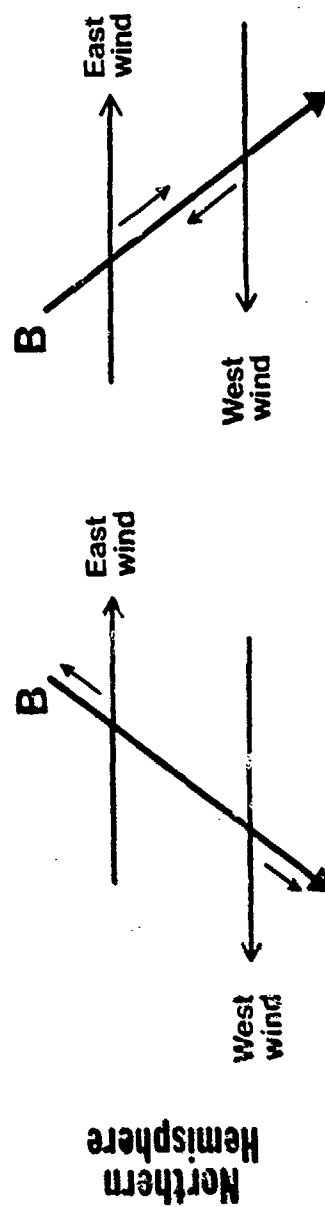
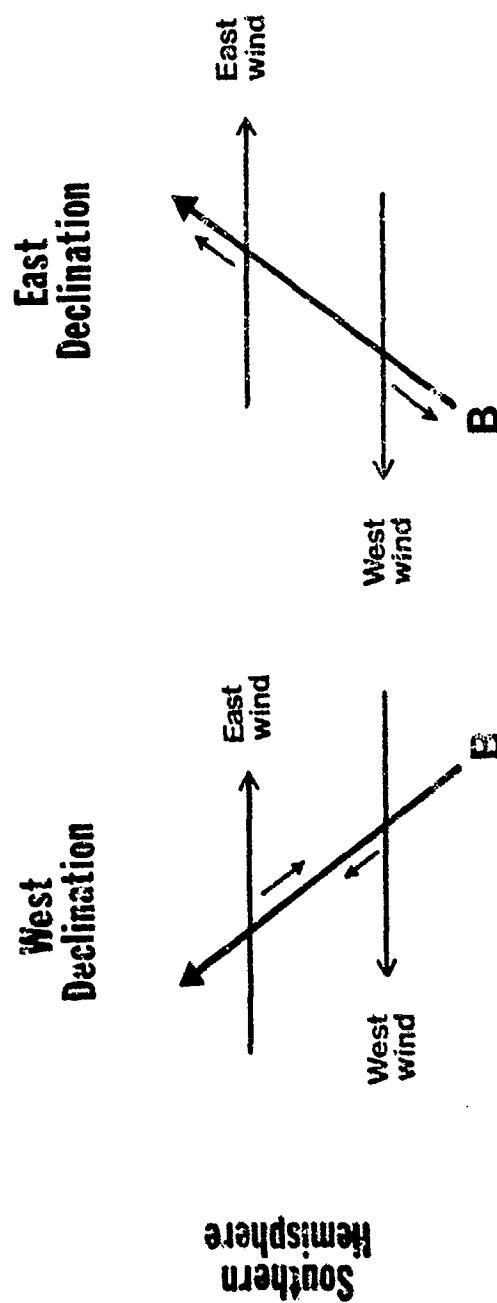


Figure 3. Geometry illustrating the ionization drift resulting from the interaction of the zonal wind and the magnetic declination. In the figure, B is the magnetic field vector, the eastward and westward wind vectors are shown, and the direction of the imparted drift velocity is indicated as a small arrow parallel or antiparallel to B.

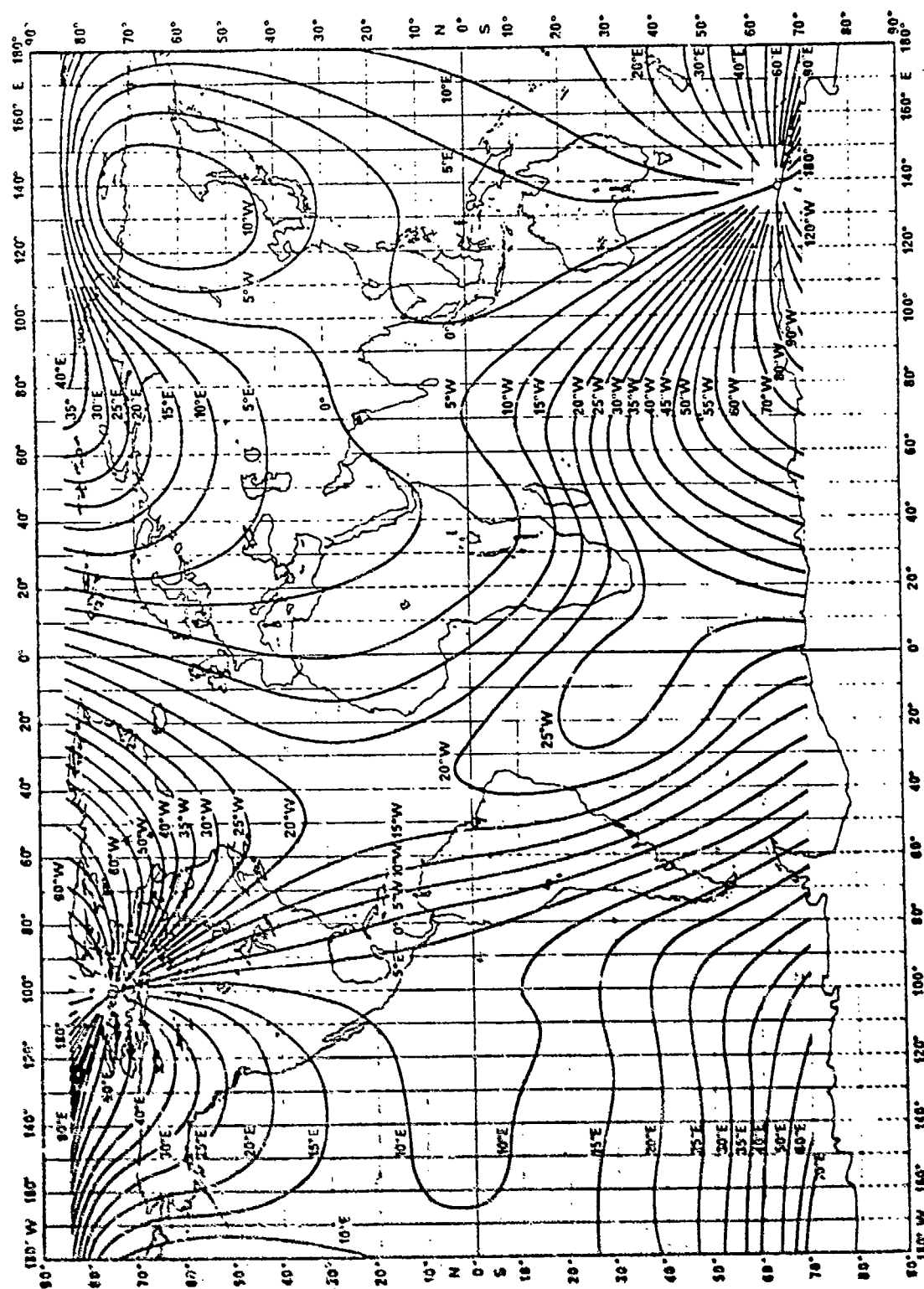


Figure 4. Magnetic declination for the 1975 geomagnetic field epoch.

3.5 Geomagnetic Field Model

A realistic geomagnetic field model was used to transform the spherical polar coordinate system r , θ , and ϕ to one describing directions parallel and perpendicular to $\bar{B}$. The "real" field is given by Euler potentials α and β where $\bar{B} = \nabla\alpha \times \nabla\beta$ (Stern, 1965, 1967), and a full description of the technique is covered in the paper by Anderson (1973).

3.6 Solution to the Full Continuity Equation

The time-dependent continuity equation was solved numerically using a Crank-Nicolson (Crank and Nicolson, 1947) implicit finite differencing scheme. The two boundaries are at 125 km altitude at the northern and southern ends of the field line. Boundary conditions for the ion density are photochemical equilibrium during the day and 10 ions/cm^3 at night. However, the boundary conditions are not critical, as the appropriate ion densities are reached within a few space steps. The changing size of the magnetic flux tube is taken into account in the calculations.

The importance of using values of foF2 that are derived from the continuity equation to supplement observations needed to develop realistic ionospheric maps can be seen in Figure 5. The figure shows the diurnal variations of foF2 for September 1978 at three different longitudes where the declination of the magnetic field line changes but the dip angle is approximately the same. [This figure is the same as Figure 4 in Rush et al. (1982).] During daytime hours, the westward declination field line has the greatest peak electron density because, in the southern hemisphere, the early morning, westward-blowing zonal wind (see Figure A.12) at 50 m/sec transports ionization upward from below where the production rate is greater to higher altitudes where the loss rate is less. In geographic regions where the declination is nearly zero, the effect of the zonal wind is minimal and the results shown for -2.5° declination are obtained. Conversely, where the declination of the field line is eastward in the southern hemisphere, a westward-blowing, early morning neutral wind transports ionization downward into a higher loss rate region, decreasing the peak electron density such as shown for 18° declination. During nighttime hours when the zonal wind blows eastward, the effects of field-line declination on peak electron density are reversed. In the southern hemisphere, an eastward-blowing wind lowers the F region if the declination is westward, thus decreasing foF2 while the same eastward wind raises the F layer where declination is eastward, causing a

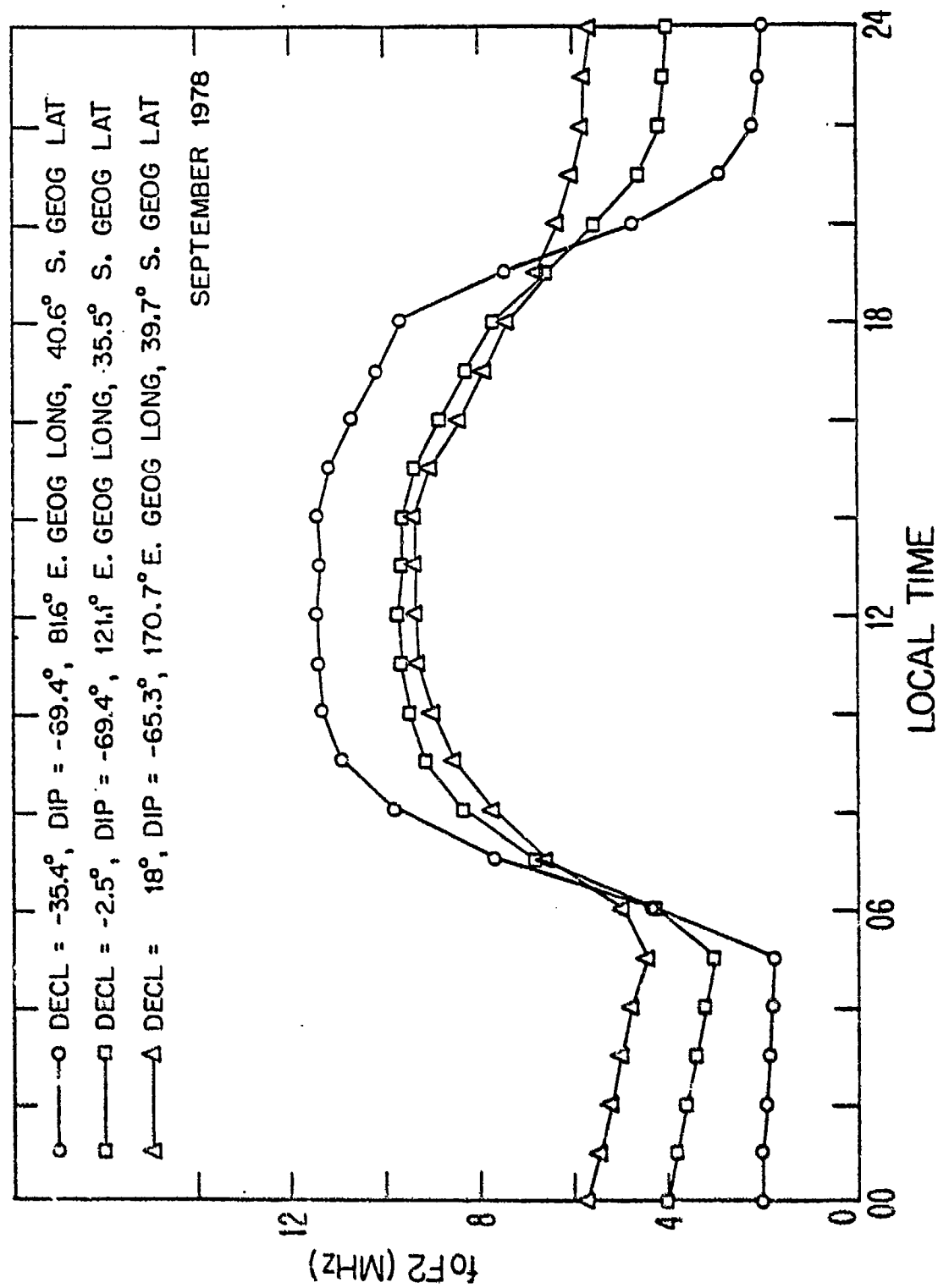


Figure 5. Diurnal behavior of foF2 during September 1978 deduced using the continuity equation with the same neutral wind model at three locations in the southern hemisphere having essentially the same dip but different declinations.

slower decay in foF2 with time. This can be seen by comparing the slopes of the curves shown in Figure 5 between the hours 1800 and 2200 local time.

The foregoing illustrates how the theoretical model provides a convenient and valid method to obtain physically realistic values of foF2 at locations that are generally inaccessible to routine observation.

4. MATHEMATICAL BASIS FOR THE GENERATION OF THE foF2 COEFFICIENTS

The mathematical basis for generating the numerical coefficients that represent the global variation of foF2 has been provided by Jones and Gallet (1962). The application of the Jones and Gallet (1962) method to ionospheric data has been discussed by numerous authors, most recently by Rush et al. (1982). In this section, a brief description of the methodology used in developing the numerical coefficients is given. More detailed discussion can be obtained from Jones et al. (1969) and Jones and Obitts (1970).

In choosing a functional representation for foF2, consideration must be given to the nature of the data itself and the large-scale variations that must be represented. Because the F2-region critical frequency displays a three dimensional (time, geographic latitude, geographic longitude) variation, a simple set of functions will not represent the behavior of foF2. Also, the geographic distribution of the data used to derive the numerical coefficients presents problems in preserving the stability of the final result in areas where few data points (or observations) are available. Ideally equally spaced data distributed uniformly over the globe and in time are desired in order to obtain the final coefficients.

The usual method of representing global variations of geophysical data is to use spherical harmonic analysis. This approach provides functions that are periodic in longitude and constant at the poles. The classical surface spherical harmonics that satisfy Laplace's equations, however, are not orthogonal with respect to the locations for which ionosphere data are available. Therefore, two sets of functions were chosen. A set of orthogonal polynomials was chosen to represent geographic variations. The diurnal variations then need only be represented by a periodic function, and a Fourier series was chosen to provide this representation. Advantages of using Fourier series are that adjusting the data for differences in recording times is greatly simplified, the noise inherent in the observations is more easily separated

from the true diurnal variation of foF2, and the resultant accuracy of the Fourier fit to the data can be readily assessed using least-squares techniques.

The application of Fourier analysis to represent the diurnal variation of foF2 using k harmonics yields an expression of the form

$$Y_k(x) = a_0 + \sum_{j=1}^k [a_j \cos jx + b_j \sin jx] \quad (2)$$

where

$$x_i = \left(\frac{2\pi}{N} \right) \cdot i, \quad i = 0, 1, \dots, N,$$

$$a_0 = \frac{1}{N} \sum_{i=1}^N y_i, \quad (3)$$

$$a_j = \frac{2}{N} \sum_{i=1}^N y_i \cos jx_i,$$

and

$$b_j = \frac{2}{N} \sum_{i=1}^N y_i \sin jx_i$$

for all values of k where $(2k + 1 \leq N)$. The value of $Y_k(x)$ is a best approximation in the sense of least squares. In the current application, the 24 hourly measurements of foF2 are available usually in local standard time and therefore must be translated to local time. Eight harmonics were used in the Fourier analysis which agrees with previous studies (Rush et al. (1982). This tends to smooth out noise and at the same time gives a good representation of the diurnal variation of foF2. After fitting the diurnal data with the Fourier series, the Fourier coefficients are shifted in time so that the data at each station can be represented in local time. The Fourier coefficients representing the diurnal variation of the foF2 data are then fit with respect to the geographic location at which the data were taken.

The set of functions chosen to represent the geographic variation of the Fourier coefficients is given in Table 4. This set of geographic functions

Table 4. Set of Functions Chosen to Represent the Geographic Variation of the Fourier Coefficients

k	$G_k(\lambda, \theta)$	
0	1	
1	$\sin\lambda$	
2	$\sin^2\lambda$	
$\vdots$	$\vdots$	
p_1	$\sin^{p_1}\lambda$	
$p_1 + 1$	$\cos\lambda \cos\theta$	
$p_1 + 2$	$\cos\lambda \sin\theta$	
$p_1 + 3$	$\sin\lambda \cos\lambda \cos\theta$	$a = \frac{p_2 - p_1}{2} - 1$
$p_1 + 4$	$\sin\lambda \cos\lambda \sin\theta$	
$\vdots$	$\vdots$	
$p_2 - 1$	$\sin^a\lambda \cos\lambda \cos\theta$	
p_2	$\sin^a\lambda \cos\lambda \sin\theta$	
$p_2 + 1$	$\cos^2\lambda \cos 2\theta$	
$p_2 + 2$	$\cos^2\lambda \sin 2\theta$	
$p_2 + 3$	$\sin\lambda \cos^2\lambda \cos 2\theta$	
$p_2 + 4$	$\sin\lambda \cos^2\lambda \sin 2\theta$	$b = \frac{p_3 - p_2}{2} - 1$
$\vdots$	$\vdots$	
$p_3 - 1$	$\sin^b\lambda \cos^2\lambda \cos 2\theta$	
p_3	$\sin^b\lambda \cos^2\lambda \sin 2\theta$	
$\vdots$	$\vdots$	

where λ = Geographic latitude,

θ = Geographic longitude,

$\sin\lambda = 1/(1^2 + \cos\lambda)^{1/2}$,

and I = magnetic inclination (1975 epoch).

$G_k(\lambda, \theta)$ given in Table 4 is analogous in some respects to spherical harmonics. The main latitudinal variation terms correspond to zonal harmonics, and the mixed latitudinal and longitudinal terms involving $\cos \theta$ or $\sin \theta$ (along with the terms involving $\cos 2\theta$ and $\sin 2\theta$) correspond to the tesseral harmonics of the first and second order, respectively. The series of functions $G_k(\lambda, \theta)$ are periodic in longitude, constant at the poles, and are weighted according to latitude by the functions $\cos \lambda, \cos^2 \lambda, \dots$

In terms of orthogonal polynomials, the desired geographic functions may be written simply as (Rush et al., 1982)

$$Y_k(x) = d_0 P_0(x) = d_1 P_1(x) + \dots + d_k P_k(x) \quad (4)$$

where the coefficients in the orthonormal system are

$$d_j = \left[\sum_{i=1}^N y_i P_j(x_i) \right] / C_j. \quad (5)$$

The numbers C_j are given by

$$C_j = \sum_{i=1}^N [P_j(x_i)]^2, \text{ and} \quad (6)$$

the coefficients in the orthonormal system are

$$D_j = d_j \sqrt{C_j}. \quad (7)$$

Each term $d_j P_j(x)$ in the series (8) is independent of the other terms. As a consequence, the degree of the approximating polynomial may be increased without affecting the terms already obtained and, in some cases, tests for statistical significance may be applied to each term.

The accuracy of the coefficients determined from both the diurnal and geographic analysis was computed by use of a least-squares method described by Rush et al. (1983). The root-mean-square (rms) error for the fit to the foF2 data (observation, contour-derived low-latitude data, and theoretically-derived higher latitude data) for each month for the solar minimum (1975/1976) and solar maximum (1978/1979) time periods is given in Table 5. Also shown in the table is the rms error by Jones et al. (1969) in deriving the CCIR numerical coefficients for the F2-region critical frequency. The rms error for the new coefficients is on the order of 0.4 to 0.5 MHz for the solar minimum representation and between 0.5 and 0.7 MHz for the solar maximum representation. It can be seen that for the new representation, the rms errors during

Table 5. RMS Errors (MHz) for the Fit to the Data Used to Generate foF2 Coefficients

Month	New Coefficient		Jones et al. (1969)	
	Solar Minimum	Solar Maximum	Solar Minimum	Solar Maximum
Jan	0.513	0.558	.406	.662
Feb	0.375	0.604	.360	.607
Mar	0.428	0.631	.378	.619
Apr	0.425	0.633	.379	.600
May	0.310	0.622	.344	.585
Jun	0.334	0.481	.352	.583
Jul	0.337	0.474	.332	.581
Aug	0.392	0.516	.353	.553
Sep	0.449	0.619	.404	.589
Oct	0.452	0.632	.402	.650
Nov	0.400	0.703	.415	.699
Dec	0.379	0.560	.418	.696

the solar minimum period are generally one-half to two-thirds of those at solar maximum. Also, the errors tend to be smaller during the northern hemisphere summer months (May through August) than for the other months of the year.

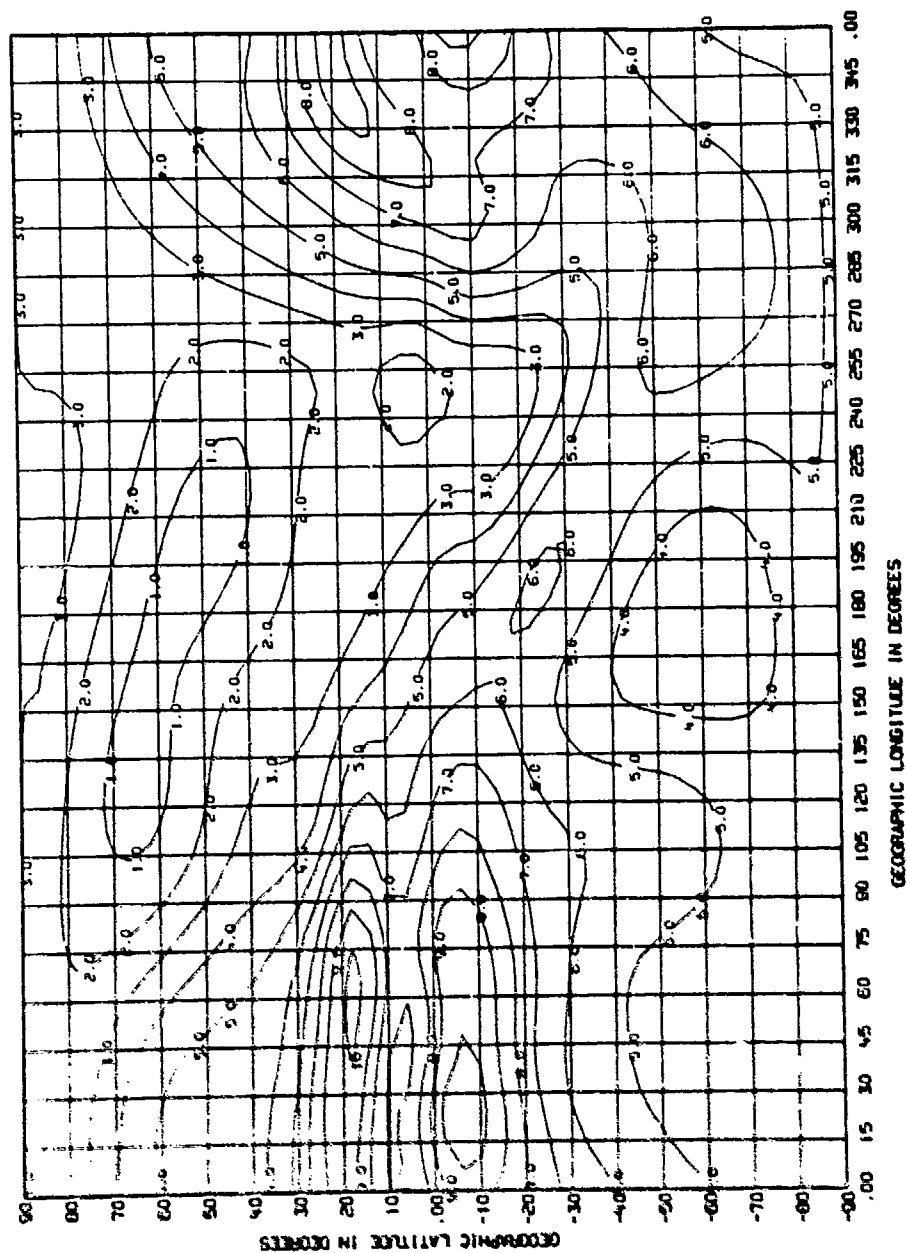
The rms errors are comparable to those obtained from the Jones et al. (1969) analysis and are probably close to the noise level of the data used in the generation of the coefficients. The errors could be reduced somewhat by including higher order harmonics into the spherical harmonic analysis. The use of higher order harmonics to represent the observed foF2 data could, however, give rise to instabilities in the representation of foF2 in data-sparse regions. Also, the coefficients generated would not be of the same format as the CCIR coefficients (CCIR, 1982b). One of the desired accomplishments at the onset of this study was to produce a more realistic set of numerical coefficients to represent foF2 on a global scale that could be directly substituted for the CCIR coefficients. Thus, the decision to maintain the same number of harmonics as given by the CCIR was taken.

The entire set of coefficients that represent the global variation of foF2 is listed in Appendix B for each month of July 1975 to June 1976 and July 1978 to June 1979.

5. RESULTS AND DISCUSSION

The numerical coefficients that represent the global variation of foF2 were derived from the data described in Sections 2 and 3 using the procedures outlined in Section 4. For each month between July 1975 and June 1976 and between July 1978 and June 1979, a set of coefficients has been derived that is based on observations of foF2 available from the worldwide network of vertical incidence ionosonde stations. In this study, these observations have been supplemented by data obtained from a detailed constant-local-time-analysis of foF2 observations at low magnetic latitude and by data obtained from the time-dependent continuity equation at the higher latitudes. Typically, for each month about 20 locations with actual observations and 95 locations of contour-derived foF2 values were used for the low-latitude data base. For the higher latitudes for each month, about 75 locations of actual observations and 90 locations of theoretically derived data formed the required data base. If a value of foF2 determined from the continuity equation was below 0.7 MHz, the value was set equal to 0.7 MHz. This was done in order to assure that the values of foF2 subsequently determined from the numerical coefficients did not yield F2-region critical frequencies that were near zero or negative.

An example of the global variation of foF2 obtained from the coefficients derived in this study is shown in Figure 6. Monthly median contours of foF2 (in MHz) are illustrated for January 1976 at 1200 hrs universal time (UT). The figure provides a striking example of the high latitude trough of ionization typical of the winter nighttime hours (note the contours between 90° and 270° longitude, and poleward of 40° north latitude). Also shown for the late morning and afternoon hours (between 315° and 120° longitude) at latitudes between 30° north and south is the equatorial anomaly. This region is characterized by ionization maxima bounding a relative minima of ionization above the magnetic equator. The summertime hemisphere, particularly for middle southern hemispheric latitudes, displays values of foF2 that vary little with longitude (and local time). This, too, is typical of the F2 region morphology. The major ionization features depicted on the figure are aligned with magnetic latitude which explains why, in the geographic representation of the figure, the ionization features tend to be slanted with respect to geographic latitude.



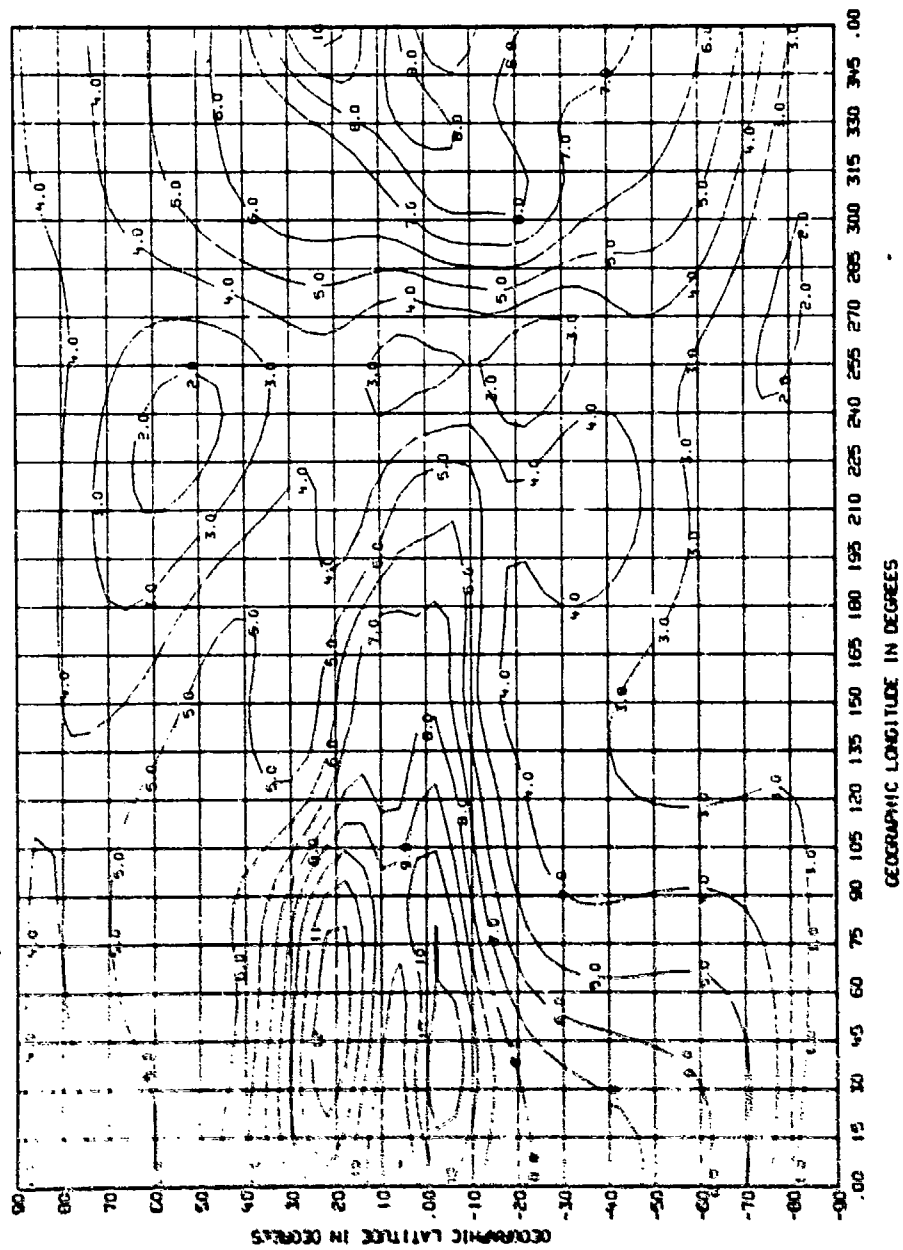
UT ANALYSIS OF 1601, 1200 HR, MEDIAN FO2 DATA, 76 FUNCTIONS (NEW COEF) 03/12/01. 22.15.07.

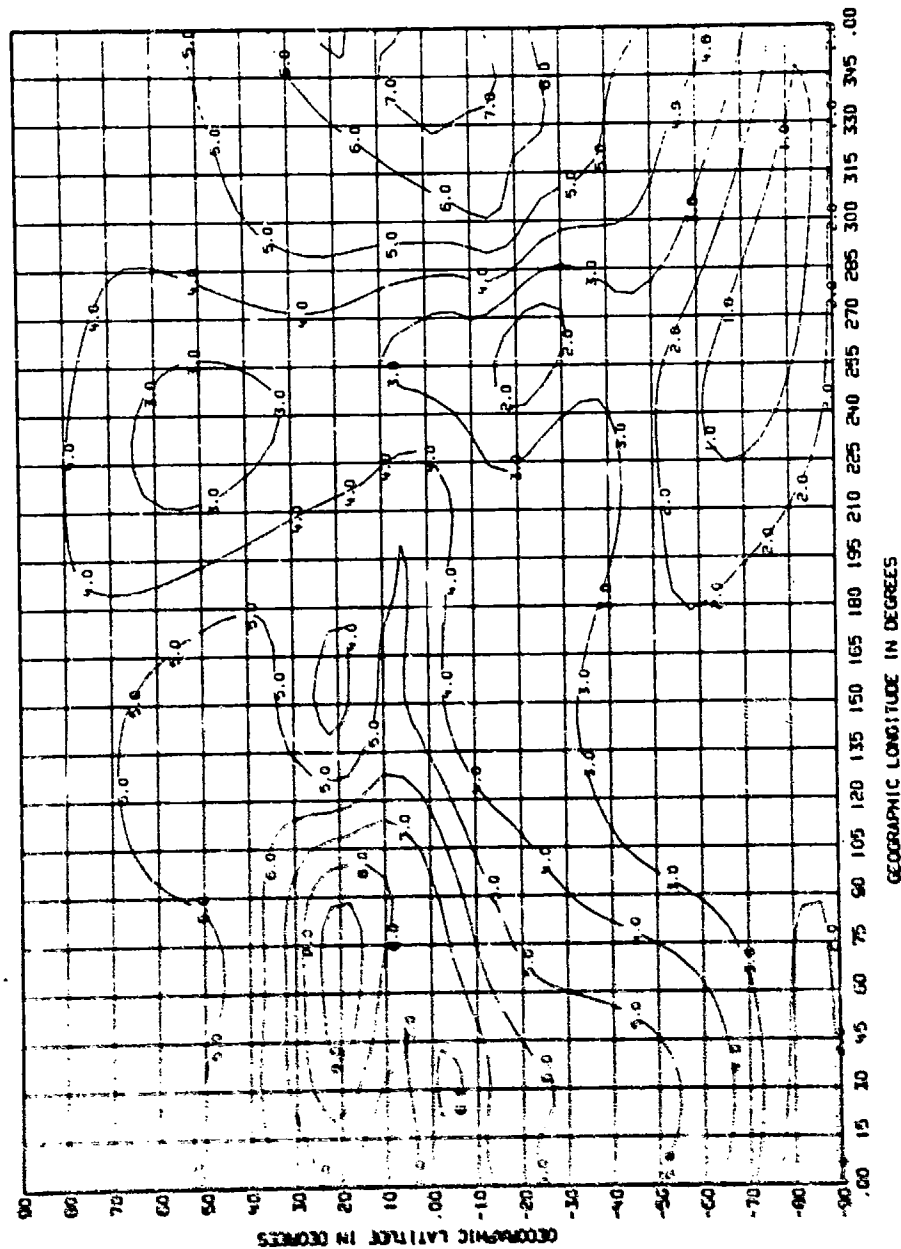
Figure 6. Contour map of the global representation of the median value of foF2 for January 1976 at 1200 hrs UT derived from the new coefficients.

Figures 7, 8, and 9 show contours of foF2 for 1200 hrs for April 1976, July 1975, and October 1975. The months of January, April, July, and October were chosen for illustration since these months are the ones indicated by the CCIR as being the most representative of the seasonal variations of the ionosphere (CCIR, 1983). These figures, taken together with Figure 6, provide an illustration of the seasonal variations of foF2 during a period of minimum solar activity. It is not the purpose of this report to describe the morphology of the F2 region that is given by the numerical representation of foF2. Suffice it to say that the general features of the global variation of foF2 given in Figures 6 through 10 are in total accord with the known morphology of foF2 that has emerged as a result of over 50 years of ionospheric research. In Appendix C, global maps of foF2 are given for 0600 and 1800 hrs UT for the four seasonal months for both solar minimum (1975/1976) and solar maximum (1978/1979). The maps given in Appendix C illustrate the seasonal and solar cycle dependencies observed in foF2.

Figures 10 and 11 illustrate the global variation of foF2 for January and April 1976 at 1200 hrs UT derived from the numerical coefficients given by Jones et al. (1969). These coefficients, referred to as the CCIR coefficients, provide a representation of foF2 that is based on data observed between 1954 and 1958. More importantly, however, is the fact, that for regions of the earth where data were unavailable, simple interpolation procedures were used to obtain foF2 values. Comparing Figures 10 and 11 with 6 and 7 shows that the high-latitude trough in Figures 6 and 7 is much better defined than in Figures 10 and 11. Also, comparing Figures 6 and 7 with Figures 10 and 11, it is seen that the form of the foF2 contours in the southern hemisphere differs substantially. This is due to the fact that the data used to generate Figures 6 and 7 were derived from the continuity equation and reflect the dependence of foF2 on both magnetic declination and inclination. The data used to generate Figures 10 and 11, on the other hand, only reflect the magnetic inclination (or dip) control of the F2 region.

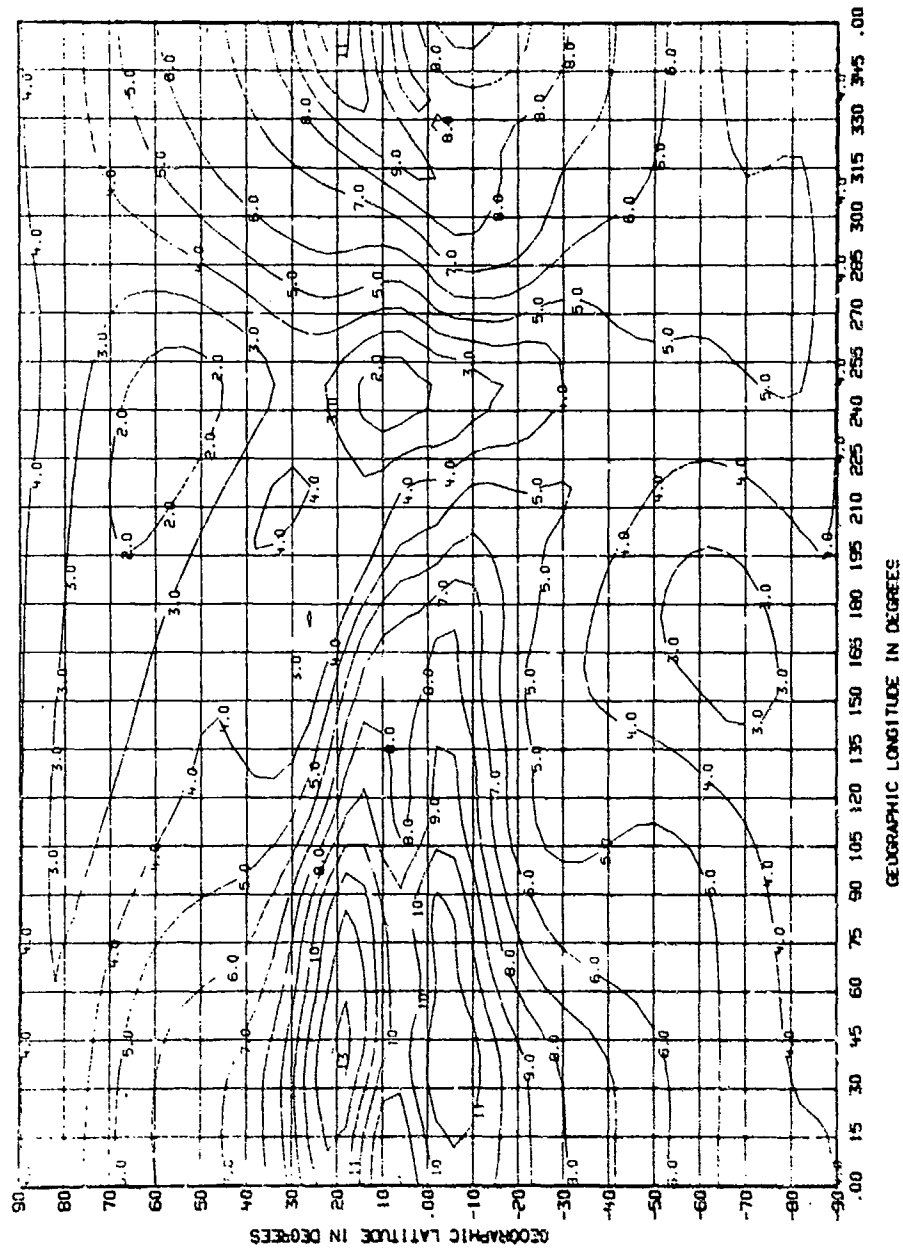
While comparisons such as those discussed above are useful for illustrative purposes, more detailed comparisons between actual observations and foF2 derived from the new coefficients and the CCIR coefficients are necessary to determine what, if any, improvement in the global representation of foF2 is afforded by the new coefficients. Before discussing improvements, however, it is worthwhile to consider the differences in the values of foF2 determined





UT ANALYSIS OF T507, 1200 HR, MEDIAN FOF2 DATA, 76 FUNCTIONS (NEW COEF) 83/12/01, 22.40.23.

Figure 8. Contour map of the global representation of the median value of fof2 for July 1975 at 1200 hrs UT derived from the new coefficients.



UT ANALYSIS OF 751.0, 1200 HR, MEDIAN FO F2 DATA, 76 FUNCTIONS (NEW COEF) 83/12/01. 22.46.57.

Figure 9. Contour map of the global representation of the median value of foF2 for October 1975 at 1200 hrs UT derived from the new coefficients.

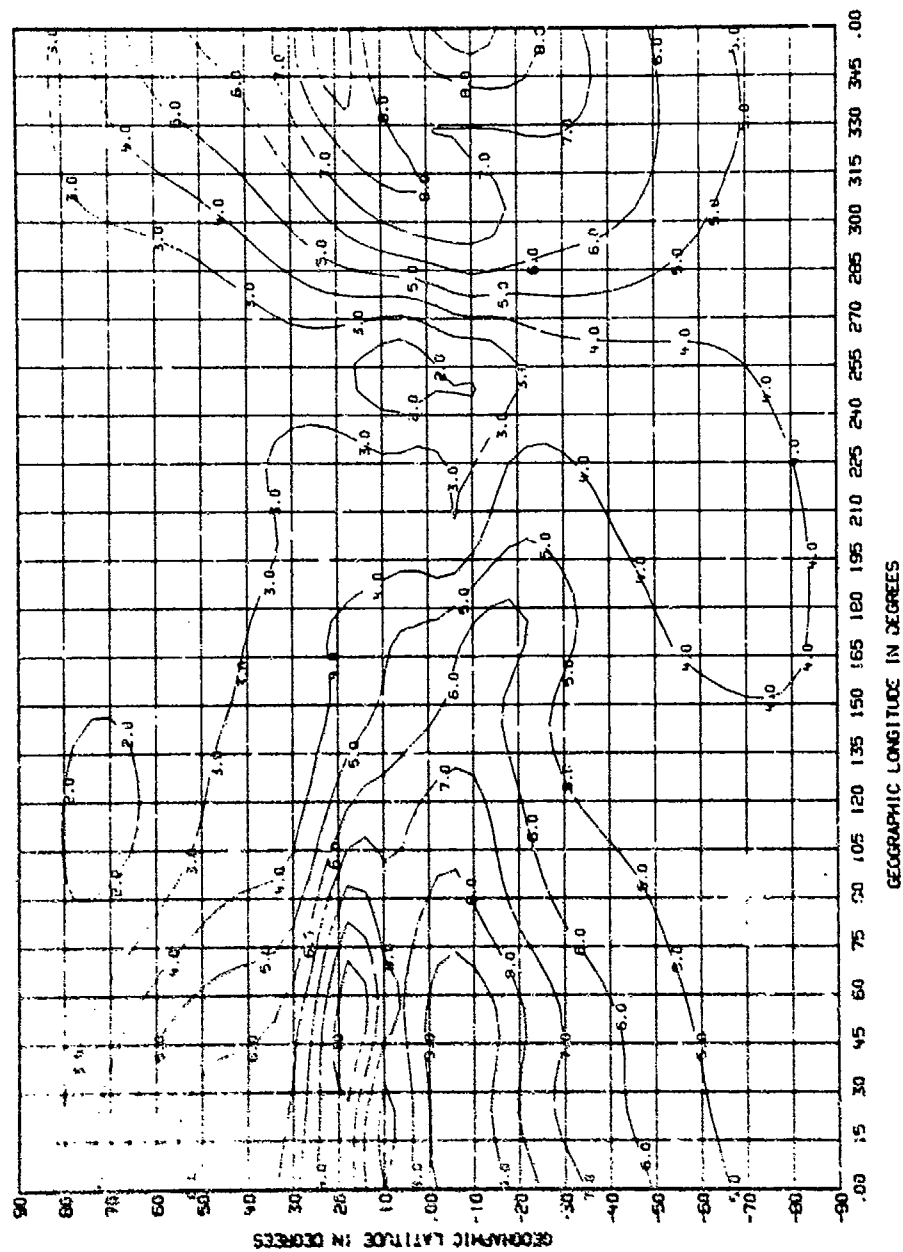
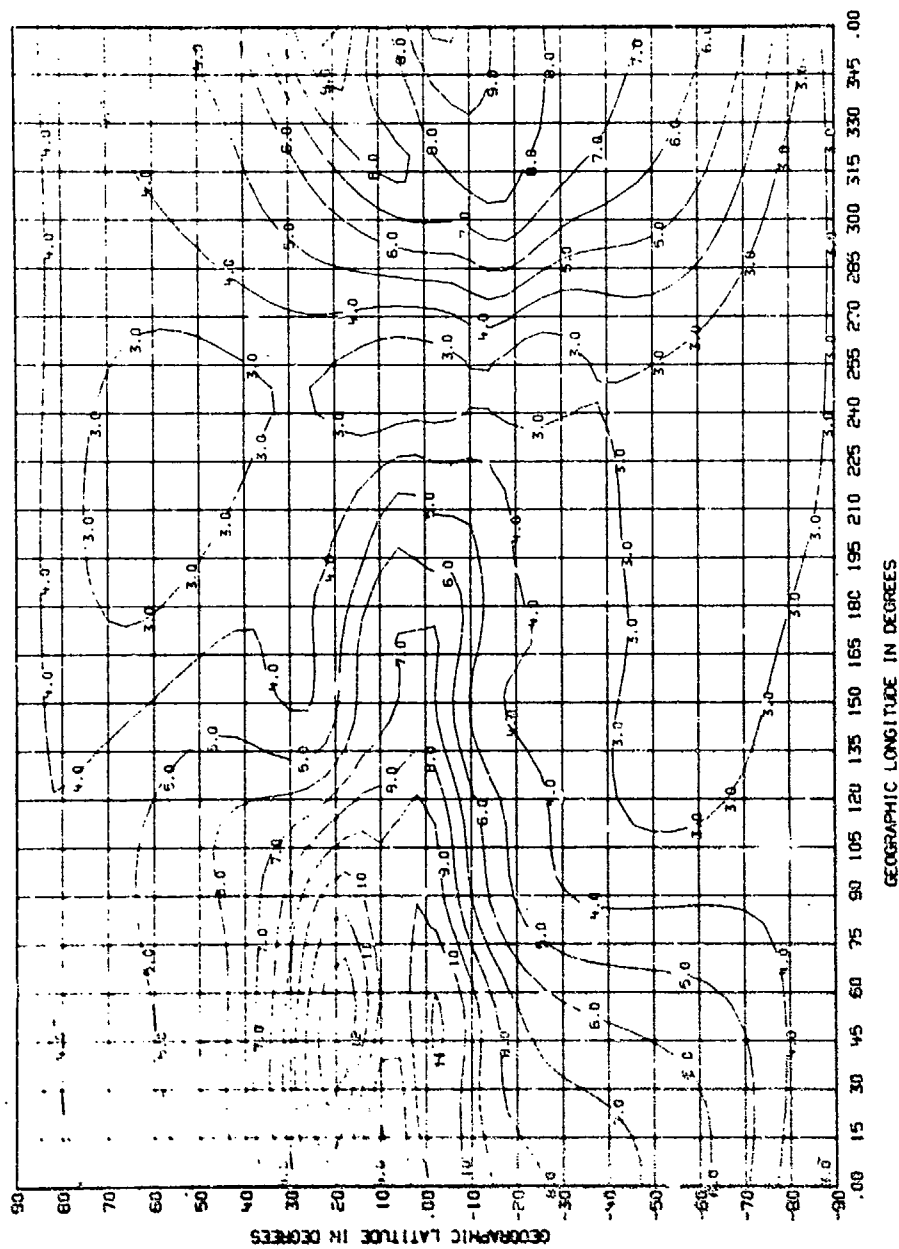


Figure 10. Contour map of the global representation of the median value of foF2 for January 1976 at 1200 hrs UT derived from the CCIR coefficients.



U/ ANALYSIS OF 7604, 1200 HR, MEDIAN: FOE2 DATA, 76 FUNCTIONS (OLD COEF) 83/12/01. 22.52.04.

Figure 11. Contour map of the global representation of the median value of foF2 for April 1976 at 1200 hrs UT derived from the CCIR coefficients.

from the two sets of coefficients themselves. Figure 12 shows the diurnal variation of foF2 for March 1979 that has been derived from the new coefficients and that derived from the existing CCIR coefficients. Values of foF2 are shown for three distinct ranges of declination (eastward, westward, and approximately zero declination) and for five different latitude intervals (northern middle, northern low, equatorial, southern low, and southern middle latitude). The latitudinal intervals are designated according to magnetic latitude. The coordinates of the 15 locations given in the figure are listed in Table 6. For those locations where observations of foF2 were available in the generation of the numerical coefficients, the station indicator begins with a numeral and the station name is listed in Table 6.

The differences between foF2 derived from the two sets of coefficients are rather striking at many of the locations. This is particularly the case for those locations where observations of foF2 were not available (i.e., the locations beginning with a letter). It is at these locations that the biggest differences in the values of foF2 derived from the two sets of coefficients would be expected. The reason for this is that, at unobserved locations, the values of foF2 derived from the numerical coefficients is dependent upon the procedure used to fill in data at the locations in question. As was mentioned earlier, the CCIR coefficients were generated from data that were simply interpolated (or extrapolated) taking account of only the magnetic inclination control of the F2 region. The new coefficients, on the other hand, were generated from data that accounted for the magnetic inclination and magnetic declination control of the F2 region.

The results shown in Figure 12 illustrate quite readily the impact of neutral winds on the diurnal variation of foF2 determined from the new coefficients at all locations. This is particularly noticeable for the northern and southern middle-latitude locations. For the 051, 945, and 836 location grouping, the critical frequency during the day hours is highest for the eastward declination and during the night foF2 is highest for the westward declination. The critical frequency for the B51, B6M, and Y51 location grouping shows exactly the opposite behavior: highest values of foF2 during the day are found at the westward declination and during the night at the eastward declination. This behavior results from the effect of the zonal component of the neutral air-wind on the variation of foF2. It can be seen from Figure A.3 that the zonal wind is directed eastward in the evening and westward in the

Table 6. Coordinates of Locations Used to Illustrate
Differences in foF2 Derived from the CCIR
Coefficients and the New Coefficients

Location Indicator	Geog. Latitude (°N)	Geog. Longitude (°E)	Magnetic Inclination (°N)	Magnetic Declination (°E)	Location Name
051	51.5	359.4	66.8	- 7.0	Slough
945	45.0	285.0	75.0	0.0	Ottawa
836	35.6	239.4	60.7	15.0	Point Arguello
L15	5.0	310.0	25.1	-16.0	
L07	0.0	290.0	23.9	- 2.0	
L06	0.0	240.0	9.9	8.0	
L2N	-10.0	310.0	-6.0	-15.0	
91K	-12.0	285.0	1.0	2.0	Huancayo
L05	0.0	170.0	3.5	10.0	
L3L	-15.0	340.0	-47.2	-22.0	
L6K	-30.0	300.0	-30.3	- 2.0	
L5J	-25.0	250.0	-33.6	15.0	
B5I	-49.6	344.4	-57.8	-22.0	
B6M	-64.3	316.5	-58.3	5.0	
Y5I	-50.2	236.2	-62.1	27.0	

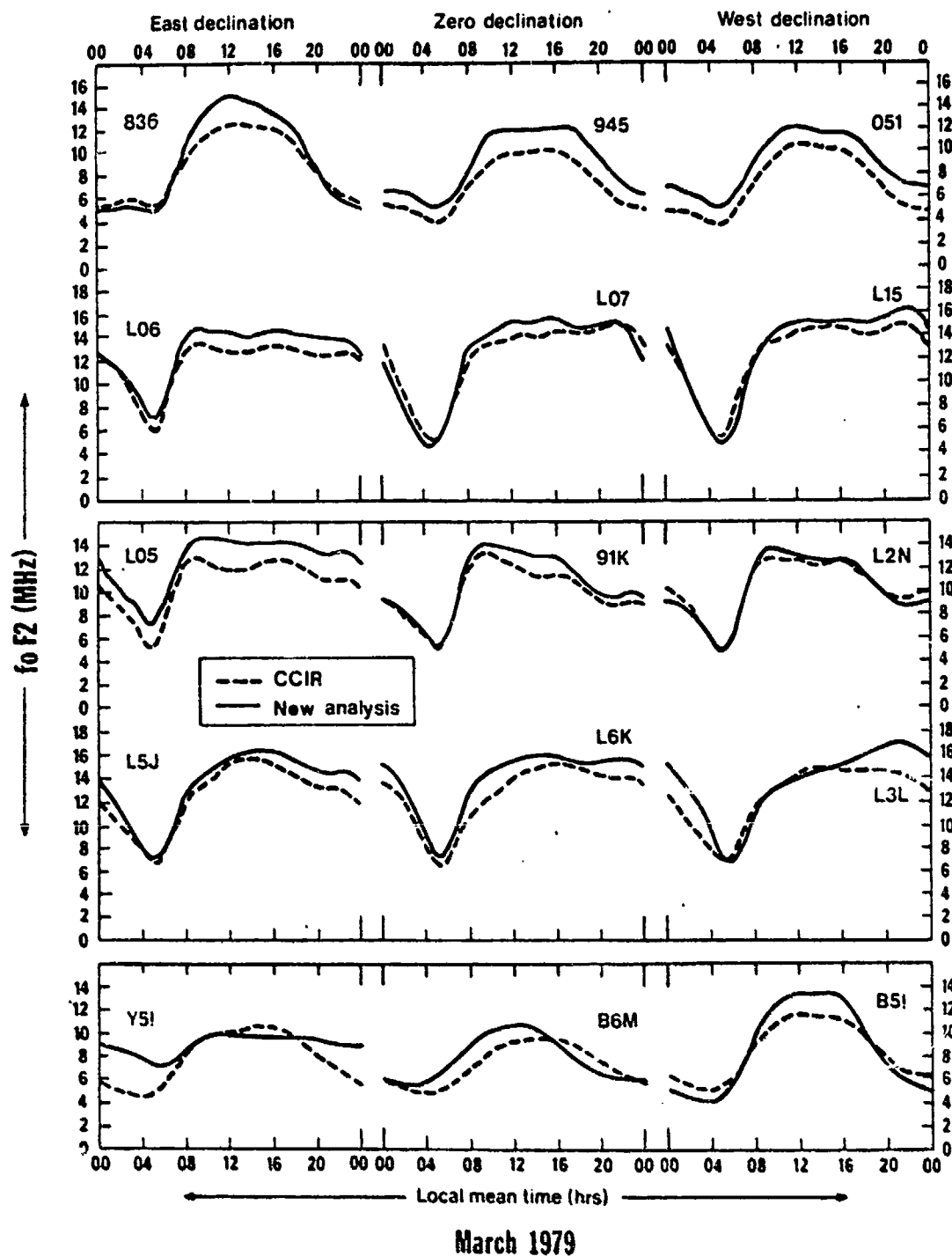


Figure 12. Diurnal variation of the median value of foF2 during March 1979 determined from the new coefficients and the CCIR coefficients for the northern middle, northern low, equatorial, southern low, and southern middle latitudes at locations with westward, eastward, and zero declinations.

early morning hours in both hemispheres. The zonal wind is directed westward during the day in the southern hemisphere and is zero during the day in the northern hemisphere. In the northern hemisphere, the westward wind during the early morning hours drives ionization up the magnetic field lines where the declination is eastward and down the field lines where the declination is westward (see Figure 3). The ionization that is moved upward is moved into regions of lower loss rates. The values of foF2 are therefore larger at these locations than at locations where the ionization is moved downward into higher loss regions. In the southern hemisphere, recalling Figure 3, the opposite effect is noted. Similar arguments can be made concerning the effect of the zonal wind on foF2 at the other local times.

Figure 12 also provides evidence that neutral-air winds affect the diurnal behavior of the ionization distribution at the low latitudes and even near the equator. For example, foF2 at the northern low-latitude locations during the early morning hours is noticeably lower at the westward declination than at the zero declination location. This agrees with the expected impact of the zonal wind in the northern hemisphere which is directed westward during the early morning hours. Such effects observed at the low latitudes are particularly encouraging because the data used to supplement the low-latitude observations were not generated using the time-dependent continuity equation. The continuity equation yields values of foF2 that must agree with the effect of neutral-air winds on the ionization distribution. The low-latitude coefficients were generated from data that were either observed or determined from the low-latitude local time analysis. That the resultant values of foF2 agree with theoretical expectation provides further evidence of the validity of the data obtained from the local time analysis.

Figure 13 provides results for the solar minimum period of March 1976 similar to those shown in Figure 12. The results displayed in Figure 13 are also in agreement with theoretical expectation. Figure A.3 and Figure 3 can be used to verify that this is indeed the case.

In order to determine what improvement in foF2 is gained by using numerical coefficients that are consistent with theoretical expectation, differences between observations of foF2 and foF2 deduced from both sets of coefficients (the new coefficients and the CCIR coefficients) must be compared. It is extremely difficult to obtain data that can be used to objectively compare the values of foF2 with observations, particularly in regions of the globe

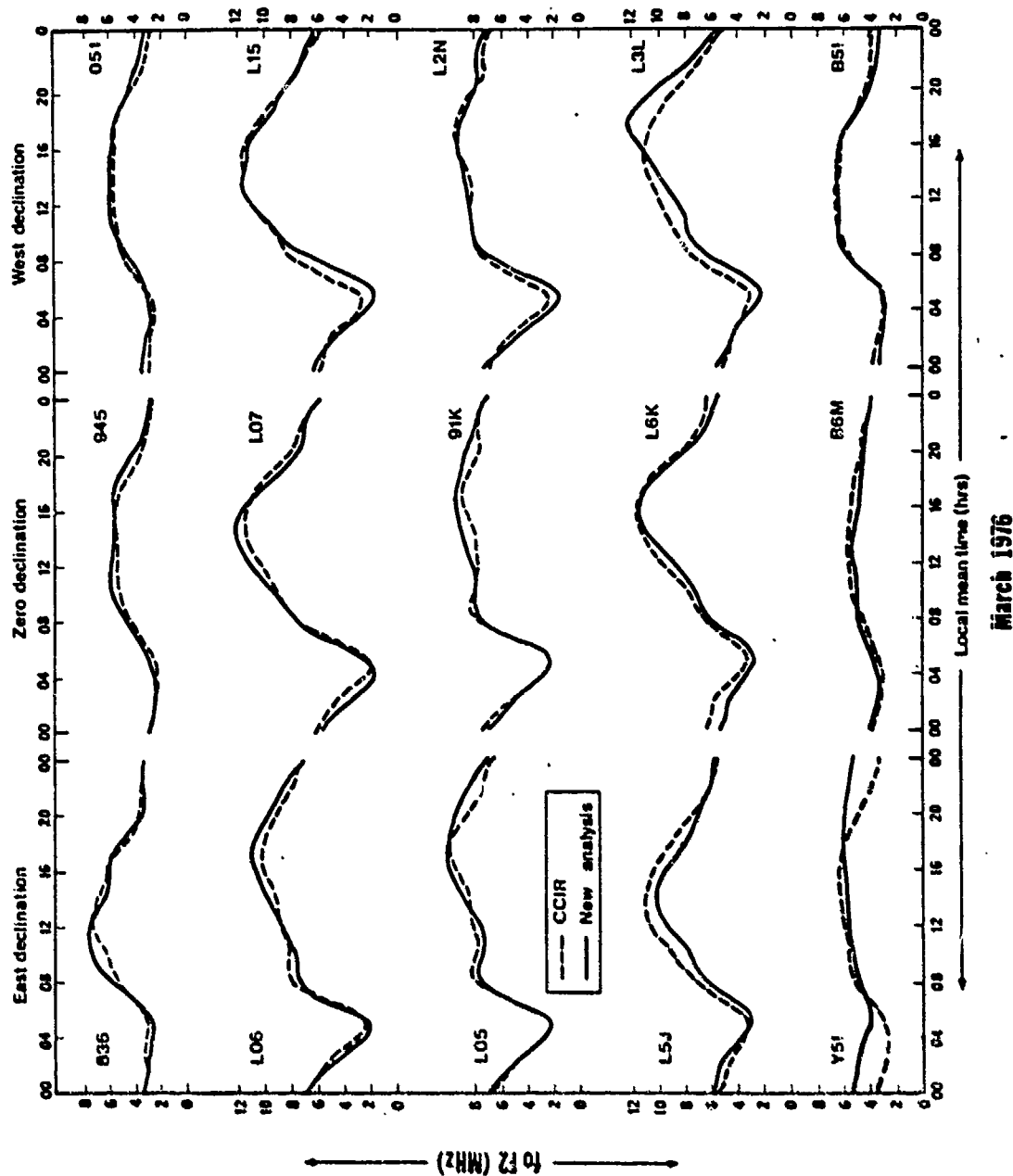


Figure 13. Diurnal variation of the median value of foF2 during March 1976 determined from the new coefficients and the CCIR coefficients for the northern middle, northern low, equatorial, southern low, and southern middle latitudes at locations with westward, eastward, and zero declinations.

where it is expected that the new coefficients will show the greatest improvement, such as over the oceans. The reasons for this are rather obvious. Any location that is far removed from other locations and for which data were available was used in the generation of the coefficients. To do otherwise would result in coefficients, and hence values of foF2, that could yield needlessly large errors at the very locations where improvement in the specification of foF2 is needed most. One possible approach to overcome this dilemma is to use the numerical coefficients to predict values of foF2 and then to compare the predicted values with observations.

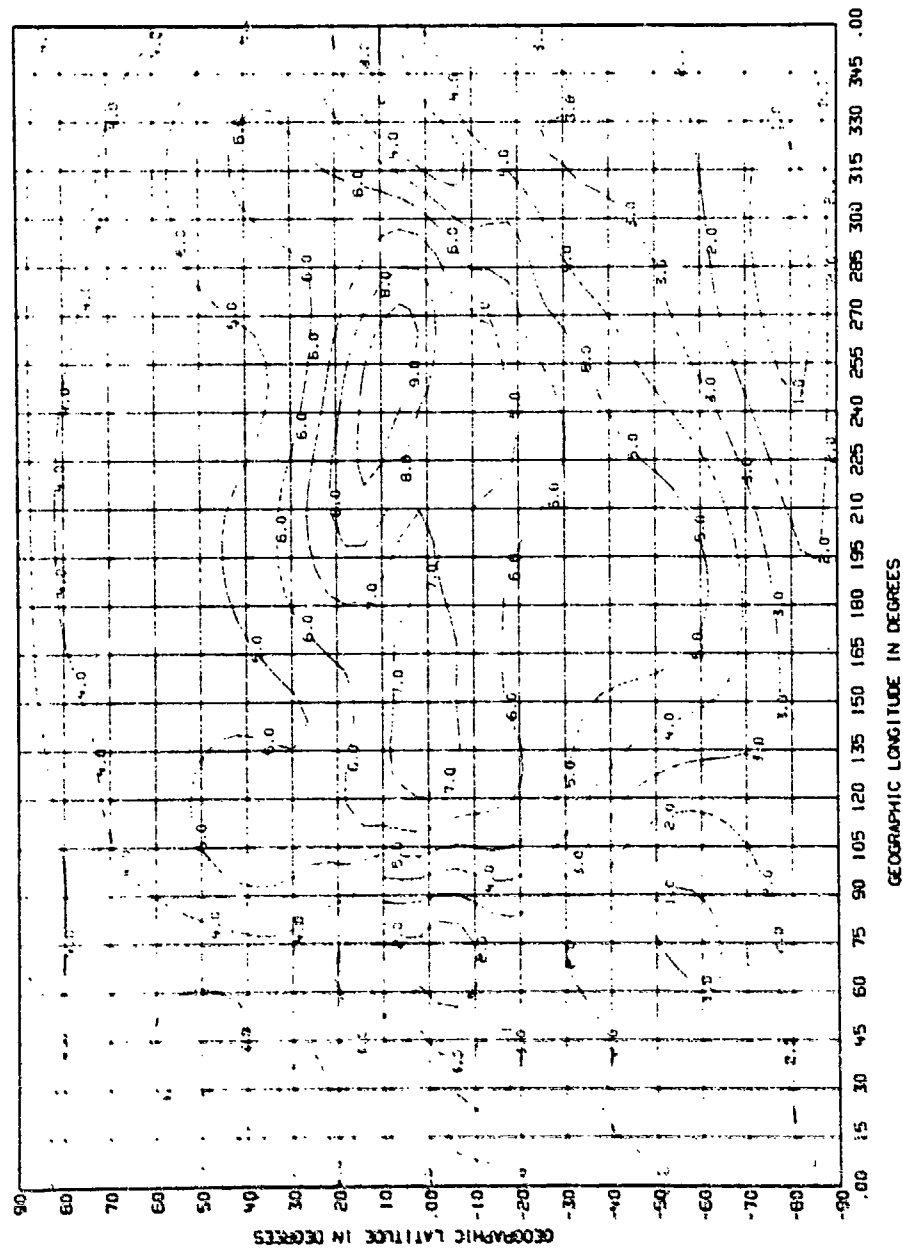
The accuracy of the predicted values of foF2 depends not only on the values of foF2 specified for each month by the coefficients but also on the relationship between solar activity and foF2. The same relationship between foF2 and solar activity was assumed for values determined from both sets of coefficients. This relationship is a linear one between foF2 and the 12-month average sunspot number, R_{12} , given by

$$\text{foF2} = F_{\ell} + \left(\frac{F_u - F_{\ell}}{R_u - R_{\ell}} \right) \cdot R_{12} \quad (8)$$

where R_u = value of 12-month smoothed sunspot number for solar maximum conditions,
 R_{ℓ} = value of 12-month smoothed sunspot number for solar minimum conditions,
 F_{ℓ} = value of foF2 at R_{ℓ} ,
 F_u = value of foF2 at R_u ,
and R_{12} = value of 12-month smoothed sunspot number for month predictions are being made.

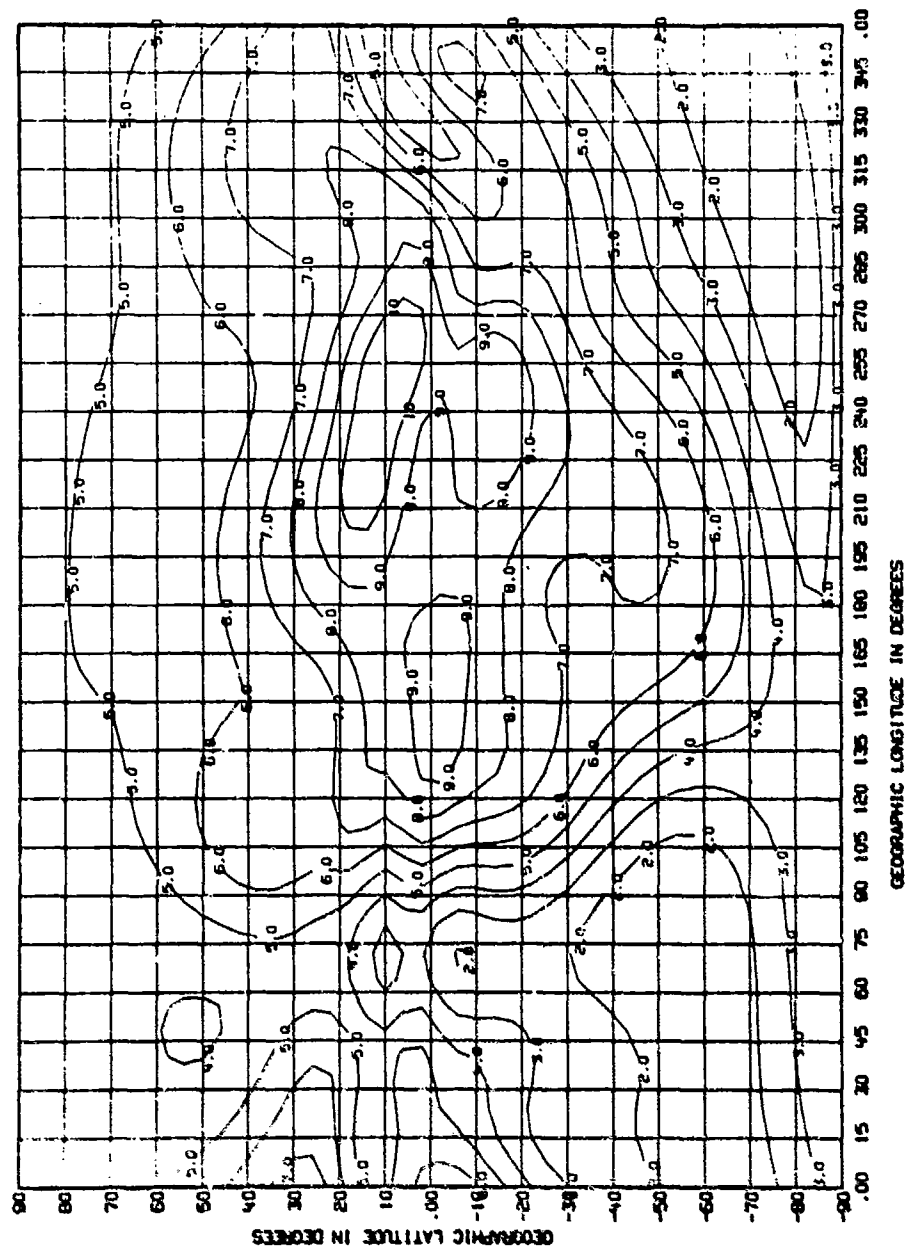
It was further assumed that any errors in foF2 resulting from an error in this linear relationship will effect both sets of coefficients equally. The validity of this assumption is questionable, and further study of this is certainly warranted.

Figures 14, 15, and 16 are maps of foF2 determined from the new coefficients, showing contours of the critical frequency at 0000 hrs UT in July for solar conditions appropriate to sunspot numbers of 15 (Figure 14), 55 (Figure 15), and 95 (Figure 16). The results for Figure 14 are valid for July 1975 and those of Figure 16 are valid for July 1978. The values of foF2 given



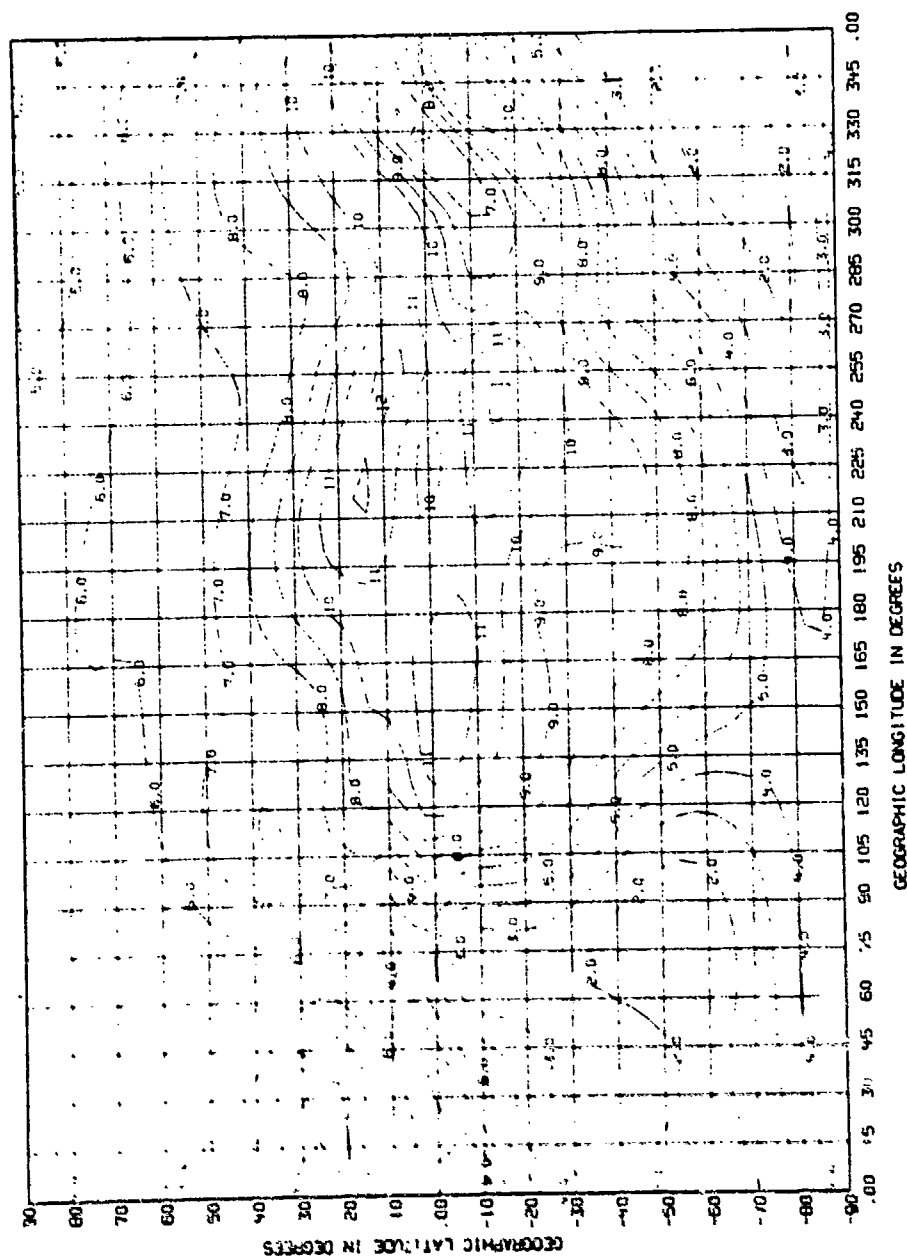
UT ANALYSIS OF 7507, 0000 HR, MEDIAN FOF2 DATA, 76 FUNCTIONS (NEW COEF) 83/12/01. 22.39.25.

Figure 14. Contour map of the global representation of the median value of fof2 derived from the new coefficients for July, SSN = 15 (1975) for 0000 hrs UT.



UT ANALYSIS OF 9807, 0000 HR, MEDIAN FOF2 DATA, 76 FUNCTIONS (NEW COEF) 83/12/01, 22.53.50.

Figure 15. Contour map of the global representation of the median value of foF2 derived from the new coefficients for July, SSN = 55 for 0000 hrs UT.



UT ANALYSIS OF 7607, 0000 HR, MEDIAN FO2 DATA, 76 FUNCTIONS (NEW COEF) 83/12/01, 22.43.05.

Figure 16. Contour map of the global representation of the median value of foF2 derived from the new coefficients for July, SSN = 95 (1978) for 0000 hrs UT.

in Figure 15 were determined by linearly interpolating between the coefficients for July 1975 and July 1978. It is seen from the three figures that the general pattern of the variations in foF2 remains the same as the level of solar activity increases. The values of the contours tend to increase as solar activity increases. Values of foF2 determined from representations such as illustrated in Figure 15 provided the basis for the comparisons between foF2 given by both sets of coefficients and by observations of foF2.

Ideally, in order to compare the accuracy of the predictions of foF2 using the new coefficients and using the current CCIR coefficients, predictions should be made for time periods and for locations that were not used in the development of either set of coefficients. The new coefficients presented here were developed using data observed during and appropriate to, the solar minimum year of July 1975 through June 1976 and the solar maximum year of July 1978 through June 1979. The CCIR coefficients have been developed using data valid for the solar minimum period of 1954 and the solar maximum period of 1958. In order to be as objective as possible, comparisons of the prediction accuracy using both sets of coefficients were made for years spanning the early 1960's through 1972.

Table 7 shows the rms prediction errors in foF2 determined at Freiburg (48.1°N, 7.6°E) for the months of January, April, July, and October for the years 1964 through 1971. Data from Freiburg were not used in the generation of either set of coefficients. It can be seen that for the months studied, in 20 out of 32 cases, the use of the new coefficients to predict foF2 at Freiburg resulted in smaller prediction errors than using the CCIR coefficients. Also worth noting is that the new coefficients tend to have lower prediction errors than the CCIR coefficients during the solar minimum years of 1964, 1965, 1970, and 1971 (13 out of the 16 months) but not during the solar maximum years of 1966, 1967, 1968, and 1969 (7 out of the 16 months).

Comparisons for other locations show that use of the new coefficients do not always lead to improved predictions of foF2. Table 8 gives rms prediction errors of foF2 using both the new coefficients and the CCIR coefficients for Grand Bahama, Singapore, Cocos Island, and Hong Kong. Comparisons were made for the same four months as given in Table 7 and for the solar minimum year of 1964 and the solar maximum year of 1969. The prediction errors indicate that the new coefficients do not improve the prediction of foF2, particularly during solar maximum conditions (1969). It should be noted,

Table 7. RMS Prediction Errors (MHZ) in foF2 for Freiburg

Coefficient Set		JAN	APR	JUL	OCT
1964	New	.54	.34	.21	.32
	CCIR	.35	.45	.23	.45
1965	New	.65	.47	.23	.27
	CCIR	.29	.64	.28	.33
1966	New	.56	.39	.26	.92
	CCIR	.40	.49	.63	.41
1967	New	.42	1.05	.39	.49
	CCIR	.33	1.23	.48	.65
1968	New	.49	.32	.67	.78
	CCIR	.94	.31	.29	.20
1969	New	.79	.52	.50	.95
	CCIR	.60	.69	.45	.32
1970	New	.52	.99	.24	.45
	CCIR	.77	1.18	.68	.61
1971	New	.48	.31	.27	1.09
	CCIR	.61	.41	.42	.55

Table 8. RMS Prediction Errors (MHZ) in foF2 at Selected Locations for 1964 and 1969 Solar Activity Conditions

		Coefficient Set	JAN	APR	JUL	OCT
GRAND BAHAMA	1964	New	.90	.43	.39	.53
		CCIR	.48	.32	.30	.37
	1969	New	1.40	.48	.66	1.05
		CCIR	.99	.50	.41	.65
SINGAPORE	1964	New	.53	.50	.52	.51
		CCIR	.54	.37	.45	.69
	1969	New	1.31	.62	1.12	1.19
		CCIR	.78	.56	.48	.51
COCOS ISLAND	1964	New	.78	.94	.64	.93
		CCIR	.75	.94	.52	.65
	1969	New	.55	1.50	1.31	.60
		CCIR	.95	1.78	1.03	.79
HONG KONG	1969	New	1.53	1.60	1.09	.93
		CCIR	.67	1.81	1.16	1.31

however, that data for three of the four locations given in Table 8--Grand Bahama, Singapore, and Cocos Island--were used in the development of the CCIR coefficients but not in the development of the new coefficients. This may explain, in part at least, the better agreement using the CCIR coefficients.

Table 9 shows the results of a comparison of predicted foF2 values for each month of the year of 1970 at seven locations on the earth whose data were used in the generation of both sets of coefficients. The locations shown in the table are Slough, England; Tokyo, Japan; Maui, Hawaii; Huancayo, Peru; Tahiti, Pacific Ocean; Canberra, Australia; and Christchurch, New Zealand. It can be seen that at Slough, Huancayo, Tahiti, and Canberra, the new coefficients yield values of foF2 that are generally closer to the observed values than do the CCIR coefficients. On the other hand, at Tokyo and Maui, the CCIR coefficients yield predictions that are closer to the observations than are the new coefficients for most months of the year.

It is highly likely that the results presented above are colored by errors in the solar activity dependence assumed for the new coefficients in equation (8). The apparent lack of overall improvement in the prediction of foF2 using the new coefficients may be due more to deficiency in the solar activity interpolation procedure than to a deficiency in the coefficients themselves. This is based on the fact that for solar minimum conditions the new coefficients tend to yield predicted values of foF2 that are either as good as or better than those given by the CCIR coefficients. The solar activity for the months used to determine the new coefficient for solar minimum was, in fact, indicative of minimum solar activity (see Table 1). Thus, predictions of foF2 at solar minimum are based on coefficients that are realistic representations of solar minimum conditions. The same cannot be said, however, for the new coefficients for solar maximum. The values of the sunspot numbers used to determine the new coefficients varied from 95 in July 1978 to over 150 in June 1979. While values of sunspot numbers of 140 to 150 are indicative of solar maximum conditions, values of 95 to 120 may not be. The values of foF2 determined from the new coefficients for solar maximum conditions may be too low because they are based on data that may not be totally representative of solar maximum conditions.

The results presented in table 7 clearly support the above argument. It would be expected that the predictions of foF2 for the month of April that are based on the new coefficients would be more accurate than the CCIR

Table 9. RMS Prediction Errors (MHZ) in foF2 for the
Locations Given for Each Month of 1970

Coefficient Set		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
SLOUGH	New	.40	.54	.39	.67	.57	.53	.46	.40	.41	.80	1.23	.72
	CCIR	.63	1.06	1.07	1.01	.87	.76	.48	.30	.73	.51	1.01	.45
TJRW	New	1.39	1.47	1.15	.56	.93	.96	.43	.84	.75	.82	.98	.44
	CCIR	.58	.57	.60	.41	.75	.76	.52	.47	.64	.62	.92	.70
MAUI	New	1.19	1.08	.70	.62	1.04	.85	.81	.42	.79	.86	1.51	.90
	CCIR	1.00	.67	.99	.53	.48	.62	.41	.45	1.03	1.06	1.27	1.16
HUANCAYO	New	1.01	.96	.60	.48	.58	.71	.31	.41	.65	.68	.67	.65
	CCIR	.61	.97	.93	.81	.60	.68	.48	.41	.89	.65	.63	1.25
TAHITI	New	.68	.65	.93	1.49	2.24	2.84	1.00	1.61	1.86	.99	1.29	.80
	CCIR	.67	.72	1.35	1.51	1.89	2.05	1.26	1.17	2.39	1.66	1.58	1.29
CANBERRA	New	.44	.96	.60	.57	.95	.95	.36	.65	.83	.24	.56	.61
	CCIR	.57	1.08	1.01	.54	1.20	.46	.74	.35	.86	.55	.70	.91
CHRISTCHURCH	New	.98	.93	.91	.56	1.04	.91	.39	.65	1.01	.29	1.00	.62
	CCIR	.82	.80	1.18	.53	1.28	.43	.77	.40	.86	.44	1.02	.79

coefficients because the data used to derive the new solar maximum coefficients for April were applicable to a sunspot number (140) that is truly representative of solar maximum conditions. Of the results presented for April in Table 7, seven out of eight cases show that foF2 determined from the new coefficients is better than foF2 determined from the CCIR coefficients. Even in Table 8, the results given for the month of April show that the CCIR coefficients do not yield values of foF2 that are vastly better than those determined from the new coefficients. This is particularly noteworthy because, as mentioned previously, observations at Grand Bahama, Singapore, and Cocos Island were used in the generation of the CCIR coefficients but not in the generation of the new coefficients.

The results presented above indicate that the values of foF2 obtained from the new coefficients appear to be better than those obtained from the CCIR coefficients if proper account can be taken of the solar cycle dependence of the coefficients. This result holds true for regions of the globe where observations of foF2 were generally available to determine the numerical coefficients. At locations where data are not available, it is difficult to quantify the improvement afforded by the new coefficients. However, Rush et al. (1983) have shown that, for the southern hemisphere, values of foF2 determined from the new coefficients are generally closer to those obtained from the Japanese satellite ISS-b than are the values of foF2 deduced from the CCIR coefficients during December 1978 (a period of solar maximum).

Figure 17 (which is Figure 11 in Rush et al., 1982) shows three longitudinal distributions of foF2 at three latitudes (30°S, 40°S, and 50°S) for December 1978, 1000 hrs UT. Shown is foF2 determined from the new coefficients and foF2 resulting from the CCIR coefficients. Also indicated on the figure are values of foF2 deduced for about the same time period from the data collected by the ISS-b satellite (Matuura, 1979). While differences between observed and mapped values of foF2 exist, the values of foF2 deduced using the new coefficients represent the observations much better than do the values determined from the CCIR coefficients.

Further validation and verification of the values of foF2 determined from the new coefficients are certainly warranted. This is particularly desirable for regions of the globe that are inaccessible to routine ground-based ionospheric soundings. However, it does appear that the new coefficients afford an opportunity to determine values of foF2 on a global basis that are

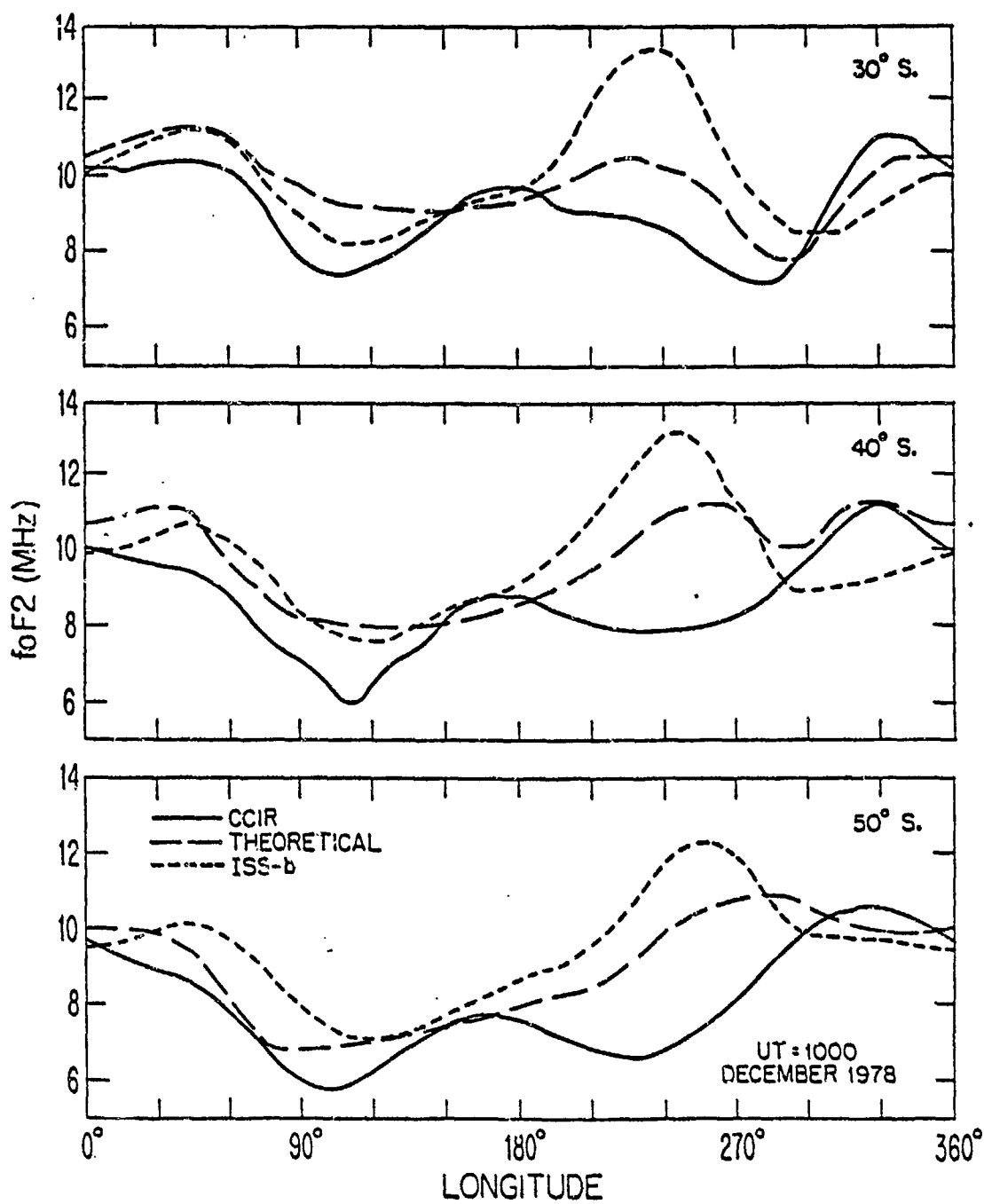


Figure 17. Longitudinal distribution of f_oF_2 at 30°, 40°, and 50° south latitude for December 1978 at 1000 hrs UT.

consistent with observation and with the current physical understanding of the mechanisms that control the F2 region ionization distribution.

6. CONCLUSIONS

A new set of numerical coefficients to represent the median behavior of the global variation of foF2 has been developed that is consistent with the current understanding of the physical processes that govern the F2 region. The coefficients enable median values of foF2 to be determined at any location on the globe for any month of the year and for any phase of the solar cycle. The coefficients that have been described in this report have the same format as those developed by Jones and Gallet (1962) which form the basis of many ionospheric propagation prediction methods.

The new coefficients have been determined using observations of foF2, values of foF2 determined from the time-dependent continuity equation for ions and electrons, and values of foF2 deduced from a constant local-time analysis for the low-latitude F2 region distribution. The coefficients have been determined for each month of two different years: a year of minimum solar activity (July 1975 to June 1976) and a year of relative maximum solar activity (July 1978 to June 1979). The time-dependent continuity equation was used to provide values of foF2 in regions of the middle and high latitude ionosphere where observations are unavailable. By incorporating realistic models of the F2 region neutral-air winds into the continuity equations, along with a representation of the geomagnetic field, values of foF2 were determined that include the effect of both the magnetic declination and magnetic inclination control on the F2 region. No direct account of the movement of ionization by electrodynamic ($\vec{E} \times \vec{B}$) drifts was included. This does not present any limitation of consequence in this study because for the middle latitude F2 region, the movement of ionization by neutral-air winds is far more significant than movement by ($\vec{E} \times \vec{B}$) drift (Benkhe and Kohl, 1974). At the low latitudes where the ($\vec{E} \times \vec{B}$) drift is of utmost importance in the F2 region, the continuity equation was not used to determine values of foF2 in data-sparse areas. Rather, a constant local-time analysis was used to determine values of foF2 at low-latitude regions of the globe that are inaccessible to routine ionospheric sounding. It is expected that low-latitude values of foF2 determined from a continuity equation that includes realistic $\vec{E} \times \vec{B}$ drifts in the equatorial region would lead to a better representation. Such a study should be pursued.

The new coefficients were used to determine values of foF2 at various locations in the ionosphere for different solar activity conditions. It was found that the new coefficients yielded values of foF2 during solar minimum conditions that were on average better than the values of foF2 determined from the CCIR coefficients. For solar maximum conditions, the results of the analysis carried out in this study indicate that, if adjustments are made to take into account the fact that the data used to generate the solar maximum coefficients are not truly representative of solar maximum conditions for all months, an improved representation of foF2 will emerge. In regions of the globe that are inaccessible to routine observation, the new coefficients yield values of foF2 that differ significantly from those obtained from the CCIR coefficients. The limited validations performed in this study for those inaccessible regions indicate that the new coefficients yield much improved values of foF2. Further validation, using data such as obtained by the ISS-b satellite, is needed before the new coefficients can be recommended as a replacement for the existing CCIR coefficients.

It is necessary that further work be done to improve the solar cycle variation of foF2 determined using the new coefficients. As was indicated in Section 5, the values of the new coefficients for periods surrounding solar maximum conditions yield values of foF2 that are not an obvious improvement over the results obtained using the CCIR coefficients. The new coefficients must be adjusted to account for the fact that for some of the months (particularly July through December) in solar maximum, the coefficients were determined from data that may not be truly representative of the maximum solar activity conditions. The relationship chosen to represent the solar cycle variation of foF2 obviously will influence the results obtained for predicted foF2 values. The high prediction errors for both sets of coefficients for some of the months (see Tables 7, 8, and 9) illustrate the fact that equation (8) does not provide realistic predicted values of foF2 for all solar cycle conditions. The method of predicting foF2 described by Liu and Smith (1982) may provide a useful approach to improve this situation.

The most promising validation and assessment of the new coefficients may be their use in existing ionospheric models and radio propagation simulation techniques. It has been mentioned many times throughout this report that the new coefficients have the same format as the current CCIR coefficients. Any ionospheric models or radio propagation prediction techniques using the CCIR

coefficients (CCIR, 1982b) or the coefficients of Jones et al. (1969) can readily be adapted to using the new coefficients. Results of ionospheric modeling efforts and radio propagation simulation studies obtained using both the CCIR coefficients and the new coefficients would prove to be invaluable in the final assessment of the improvement afforded by the new coefficients.

7. REFERENCES

- Anderson, D. N. (1973), A theoretical study of the ionosphere F region equatorial anomaly - I. Theory, *Plan. Space Sci.* 21, pp. 409-419.
- Benkhe, R., and H. Kohl (1974), The effects of neutral winds and electric fields on the ionospheric F2-layer above Arecibo, *J. Atmos. Terrest. Phys.* 36, pp. 325-333.
- Bent, R. B., J. R. Lepofsky, S. K. Llewellyn, and P. G. Schmid (1978), Ionospheric range-rate effects in satellite-to-satellite tracking, AGARD Conference Proceedings No. 230, Operational Modelling of the Aerospace Propagation Environment, Vol. I, edited by H. Soicher, pp. 9-1 - 9-15, Ottawa, Canada.
- CCIR (1982a), Supplement to Report 252-2, Second CCIR computer-based interim method for estimating sky-wave field strength and transmission loss at frequencies between 2 and 30 MHz, Recommendations and Reports of the CCIR, 1982, Vol. VI, Geneva.
- CCIR (1982b), Report 340-4, CCIR atlas of ionospheric characteristics, Recommendations and Reports of the CCIR, Vol. VI, Geneva.
- CCIR (1983), Report of Interim Working Parties 6/12 and 10/5 to Study Group 6 and 10, Geneva.
- Crank, J., and P. Nicolson (1947), A practical method for numerical evaluation of solutions of partial differential equations of the heat-conductor type, *Cam. Phil. Soc. Math. Proc.* 43, pp. 50-67.
- Crow, E. L., and D. H. Zacharisen (1960), The error in prediction of F2 maximum usable frequencies by world maps based on sunspot number, Proceedings of Symposium on Statistical Methods in Radio Wave Propagation, University of California, Los Angeles, (edited by W. C. Hoffman, Symposium Publications Division, Pergamon Press, New York).
- Hedin, A. E., C. A. Reber, G. P. Newton, N. W. Spencer, H. C. Briston, H. B. Mayer, and W. E. Potter (1977), A global thermospheric model based on mass spectrometer and incoherent scatter data, *J. Geophys. Res.* 82, pp. 2148-2156.
- Jones, W. B., and R. M. Gallet (1962), The representation of diurnal and geographic variations of ionospheric data by numerical methods, *Telecommun. J.* 29, pp. 129-149.

- Jones, W. B., and D. L. Obitts (1970), Global representation of annual and solar cycle variation of foF2 monthly median 1954-1958, Office of Telecommunications Research Report, OT/ITS RR3, (NTIS Access. No. COM 75-11143/AS).
- Jones, W. B., R. P. Graham, and M. Leftin (1969), Advances in ionospheric mapping by numerical methods, ESSA Technical Report ERL107-ITS75.
- King, J. W., and H. Kohl (1965), Upper atmospheric winds and ionospheric drifts caused by neutral air pressure gradients, *Nature* 206, pp. 699-701.
- King, J. W., and A. J. Slater (1973), Errors in predicted values of foF2 and hmF2 compared with the observed day-to-day variability, *Telecommun. J.* 40, pp. 766.
- Liu, R. Y., and P. A. Smith (1982), A new method of predicting F2-layer critical frequencies, *Telecommun. J.* 49, pp. 416-420.
- Matuura, N. (1979), Atlas of ionospheric critical frequency (foF2) obtained from Ionospheric Sounding Satellite-Observation, Part 1, August to December 1978, Radio Research Laboratories of Japan, March.
- Nisbet, J. S. (1971), On the construction and use of a simple ionospheric model, *Radio Sci.* 6, pp. 437-464.
- Rush, C. M. (1976), An ionospheric observation network for use in short-term propagation predictions, *Telecommun. J.* 43, pp. 544-549.
- Rush, C. M., M. PoKempner, D. N. Anderson, and F. G. Stewart (1982), The use of theoretical models to improve global maps of foF2, NTIA Report 82-93 (NTIS Access. No. PB82-187170).
- Rush, C. M., M. PoKempner, D. N. Anderson, F. G. Stewart, and J. Perry (1983), Improving ionospheric maps using theoretically derived values of foF2, *Radio Sci.* 18, pp. 95-107.
- Stern, D. (1965), Classification of magnetic shells, *J. Geophys. Res.* 70, pp. 3629-3634.
- Stern, D. (1967), Geomagnetic euler potentials, *J. Geophys. Res.* 72, pp. 3995-4005.
- Teters, L. R., J. L. Lloyd, G. W. Haydon, and D. L. Lucas (1983), Estimating the performance of telecommunication systems using the ionospheric transmission channel--ionospheric communications analysis and prediction program user's manual, NTIA Report 83-127 (NTIS Access. No. PB84-111210)

APPENDIX A: MERIDIONAL AND ZONAL WIND MODELS
USED IN GENERATION OF NEW COEFFICIENTS

This appendix provides the meridional and zonal components of the neutral-air winds that were used in the solutions to the time-dependent continuity equation for ions and electrons in this study. Each of the 12 figures in this Appendix (one for each month) shows the two components of the neutral wind in both hemispheres for solar maximum and solar minimum conditions. The winds were derived taking into account values of foF2 observed during the specific time period shown. The manner in which this was done is described in Section 3.4.

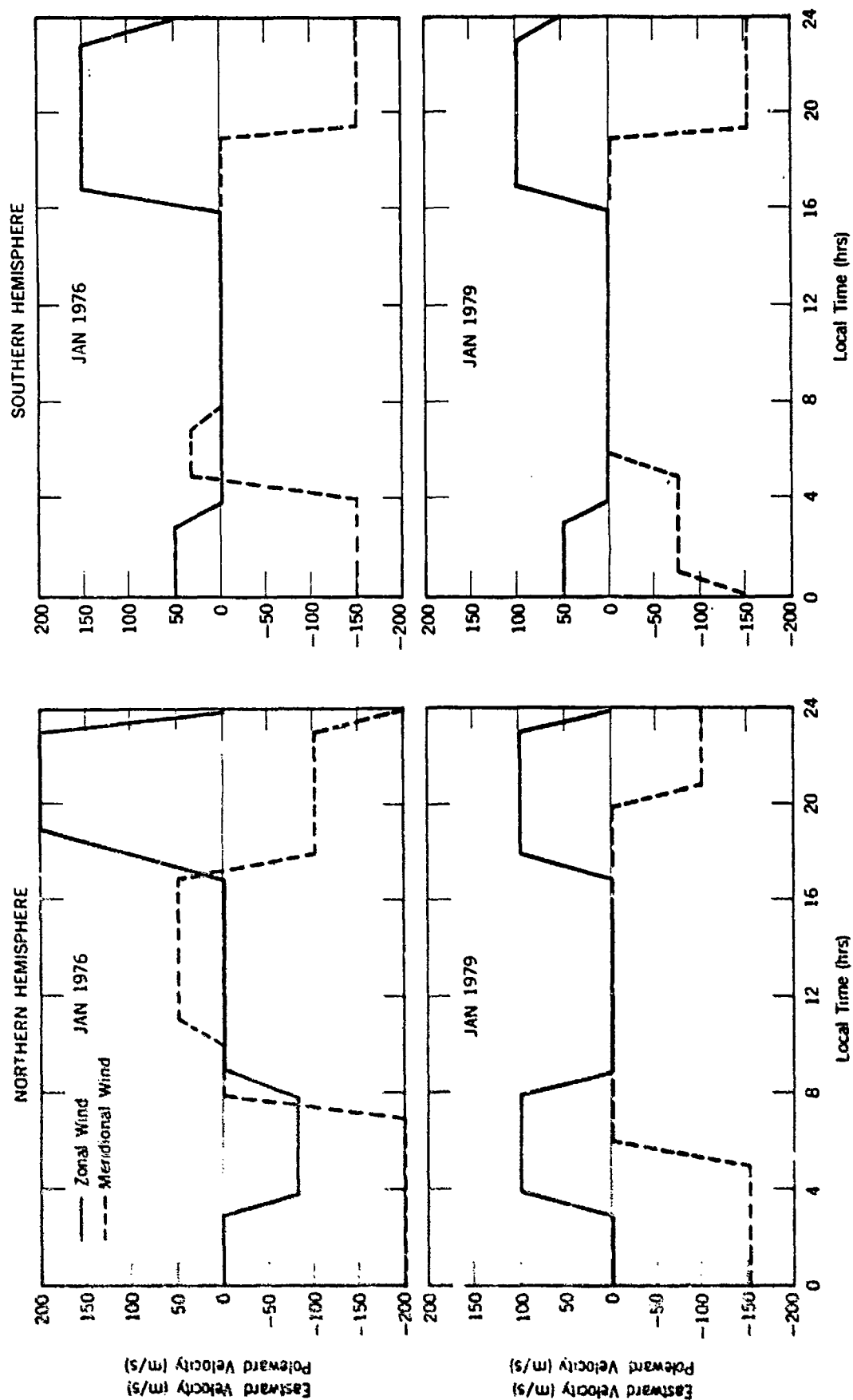


Figure A.1 Meridional and zonal neutral wind models for January 1976 and 1979.

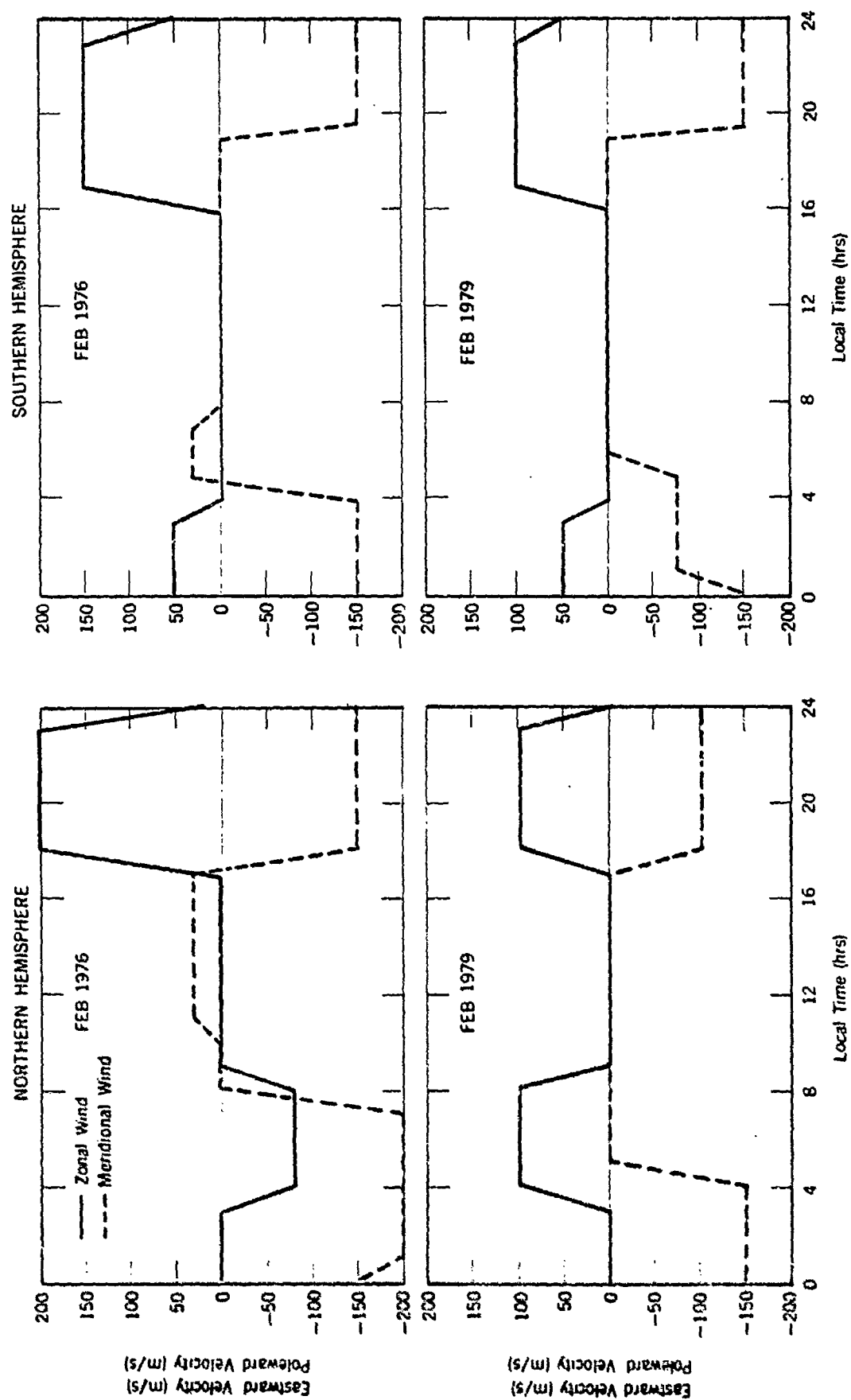


Figure A.2 Meridional and zonal neutral wind models for February 1976 and 1979.

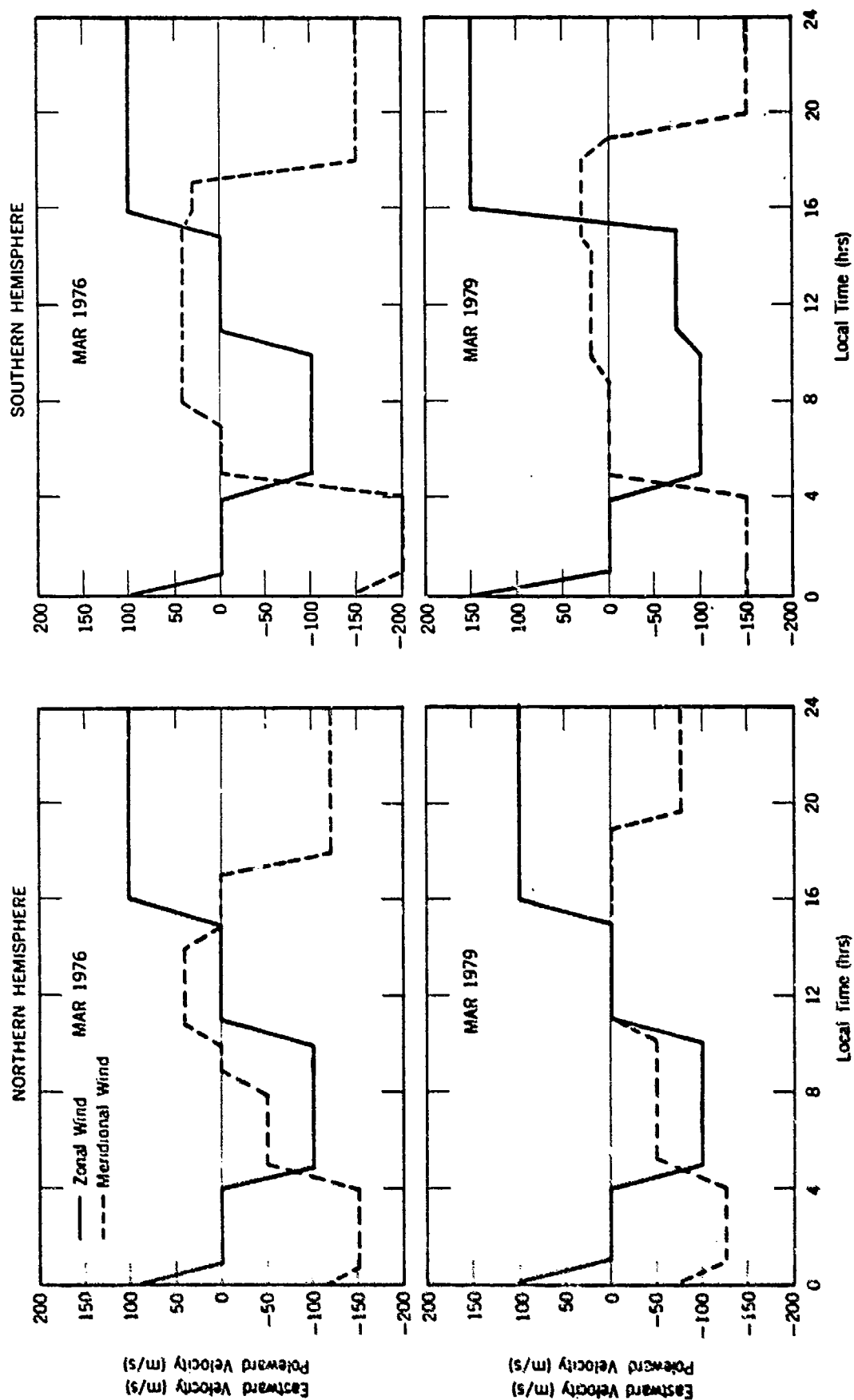


Figure A.3 Meridional and zonal neutral wind models for March 1976 and 1979.

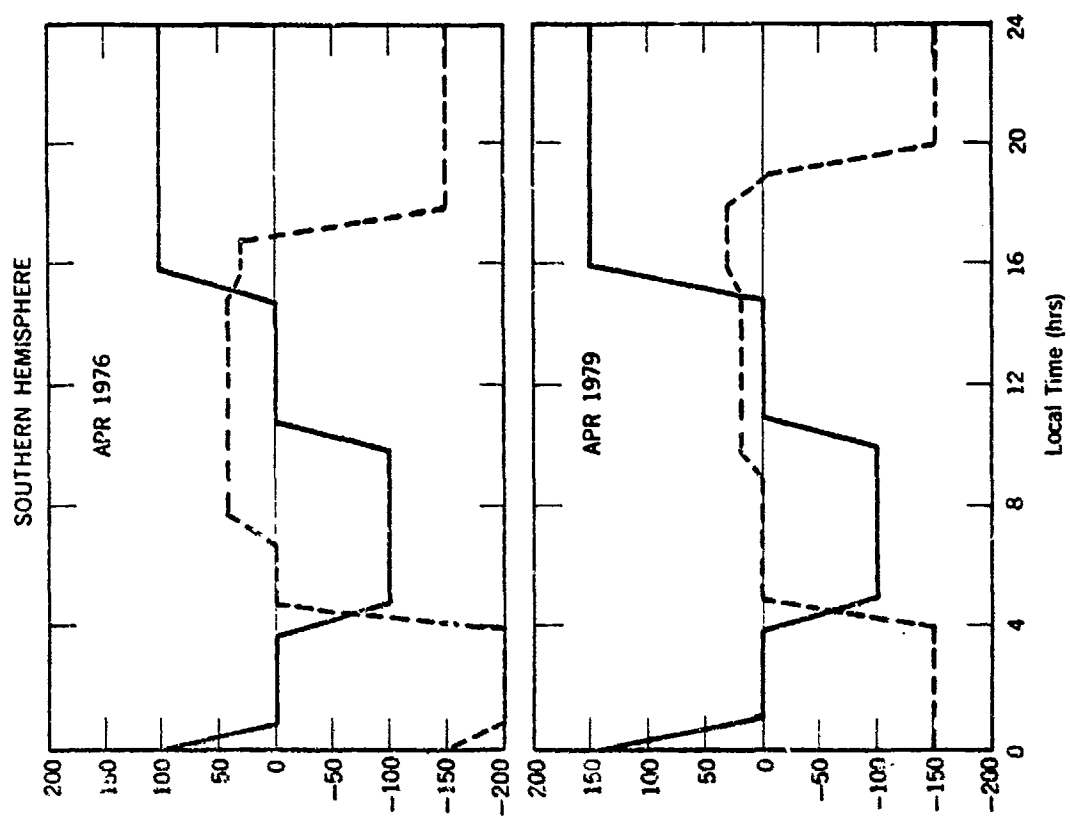
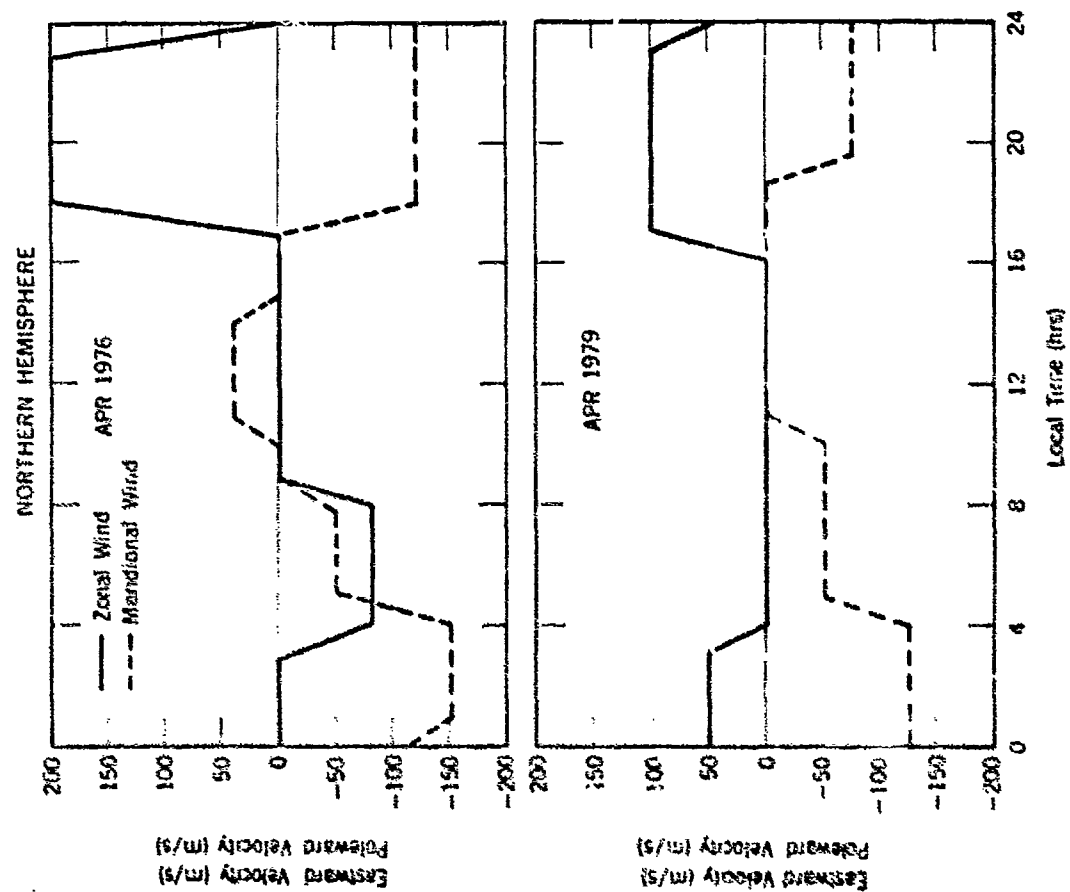


Figure A.4 Meridional and zonal neutral wind models for April 1976 and 1979.

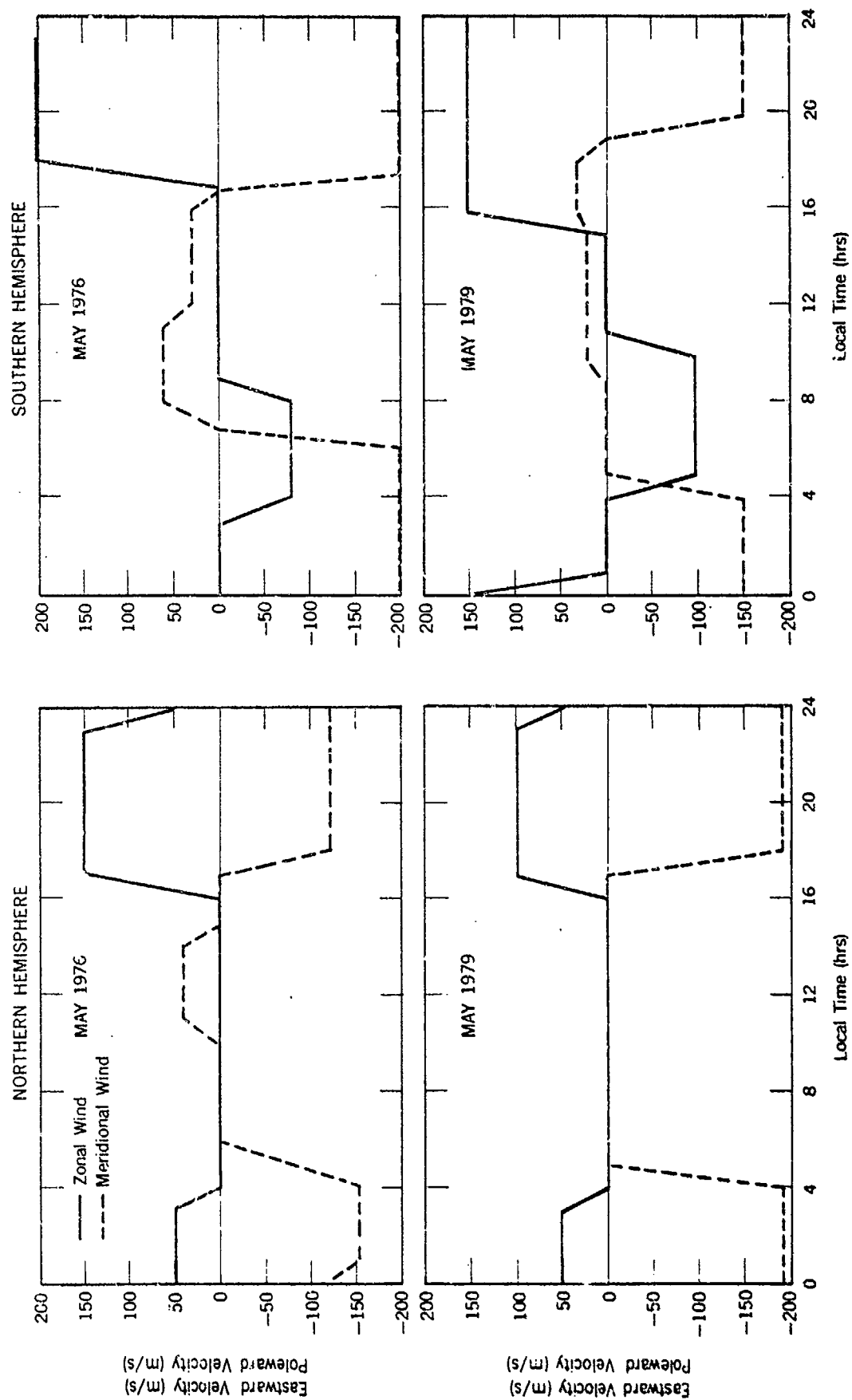


Figure A.5 Meridional and zonal neutral wind models for May 1976 and 1979.

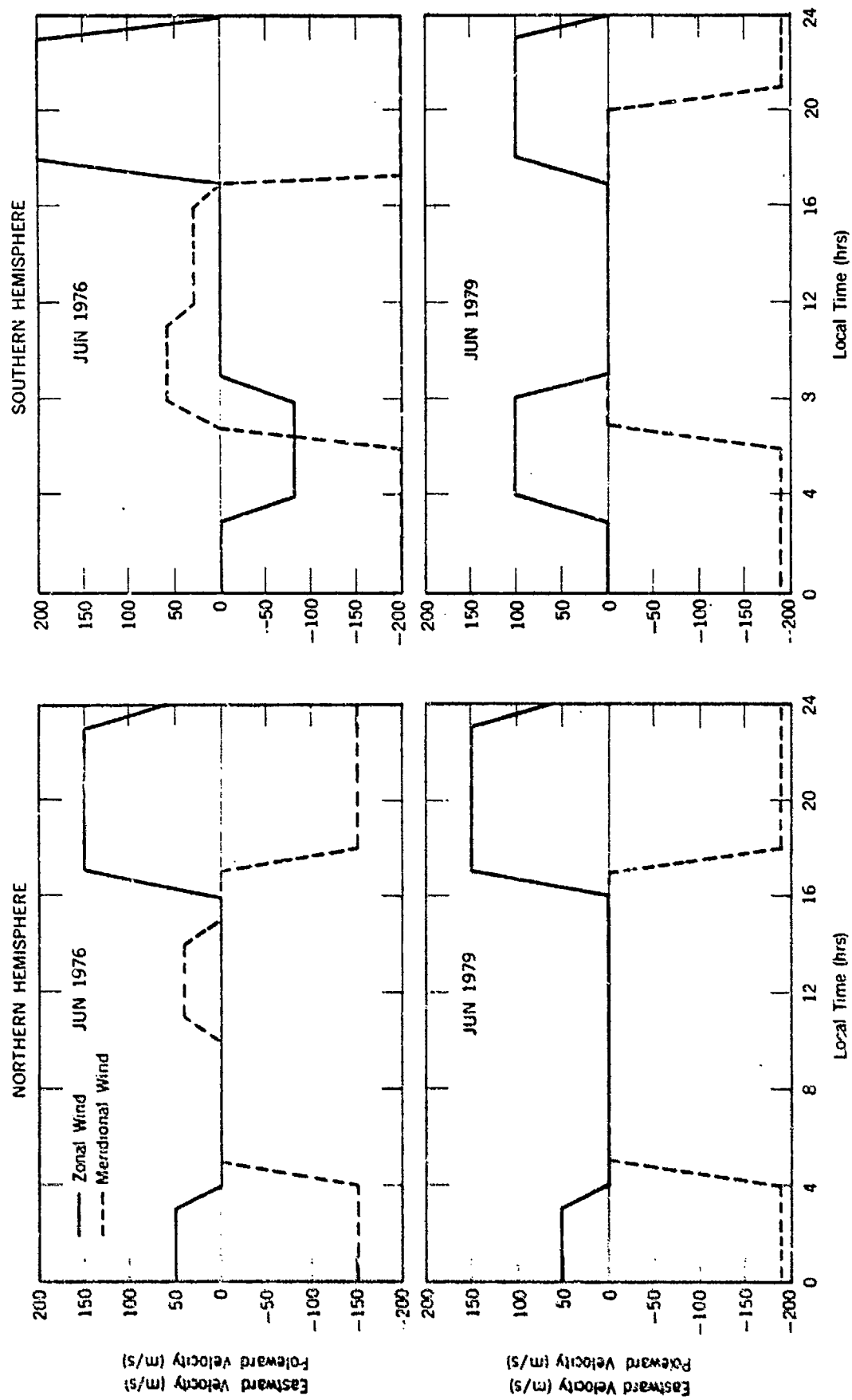


Figure A.6 Meridional and zonal neutral wind models for June 1976 and 1979.

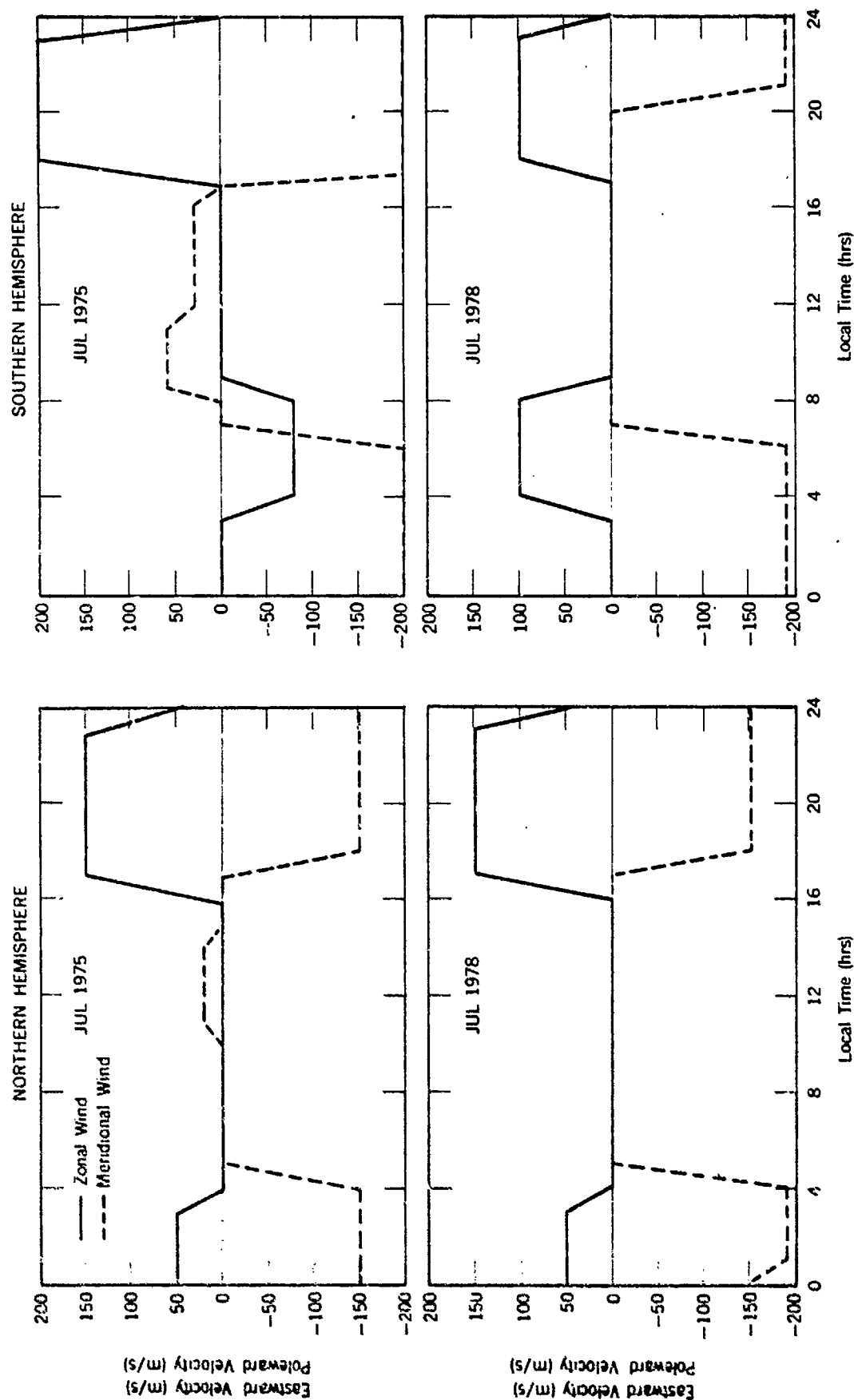


Figure A.7 Meridional and zonal neutral wind models for July 1975 and 1978.

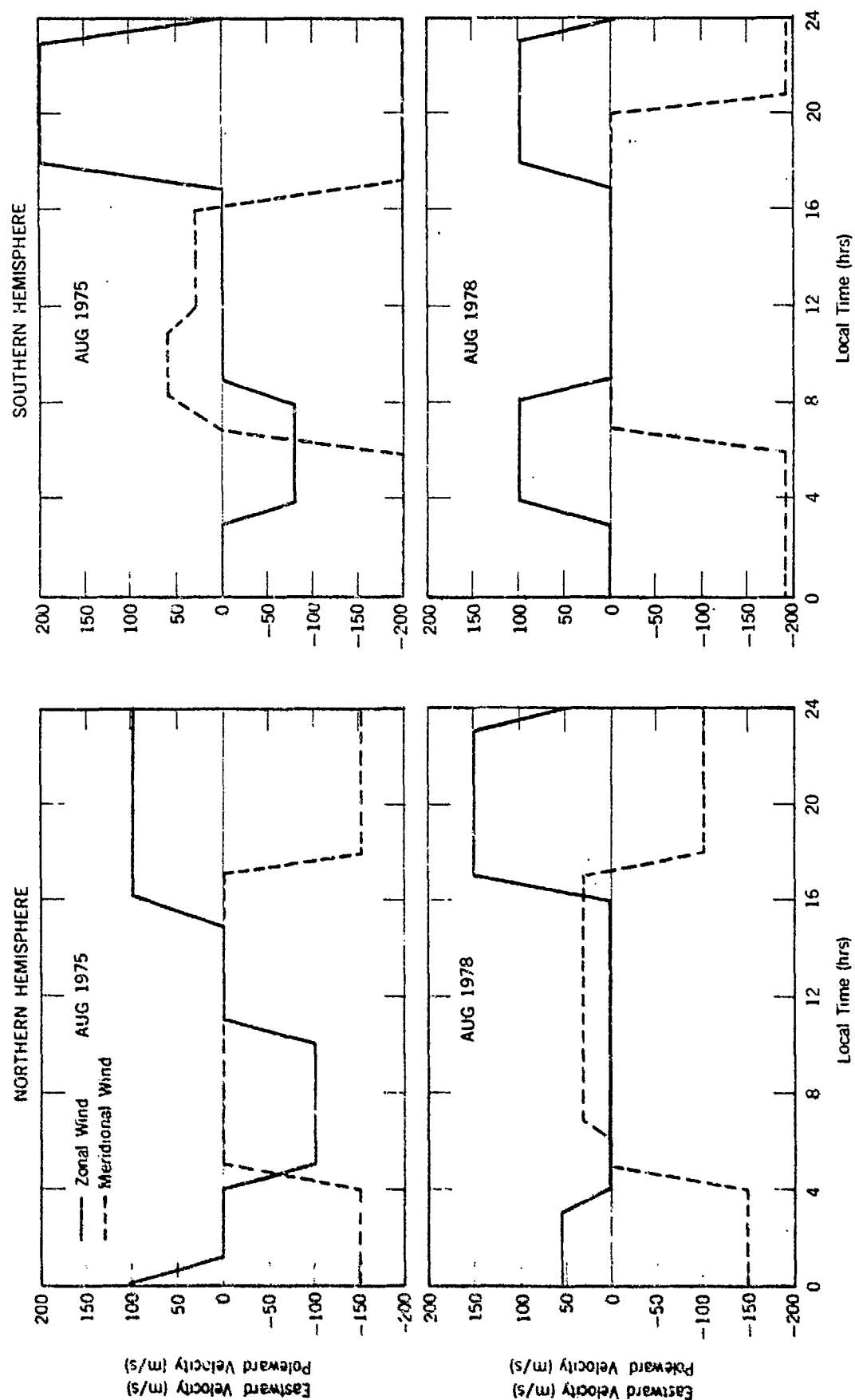


Figure A.8 Meridional and zonal neutral wind models for August 1975 and 1978.

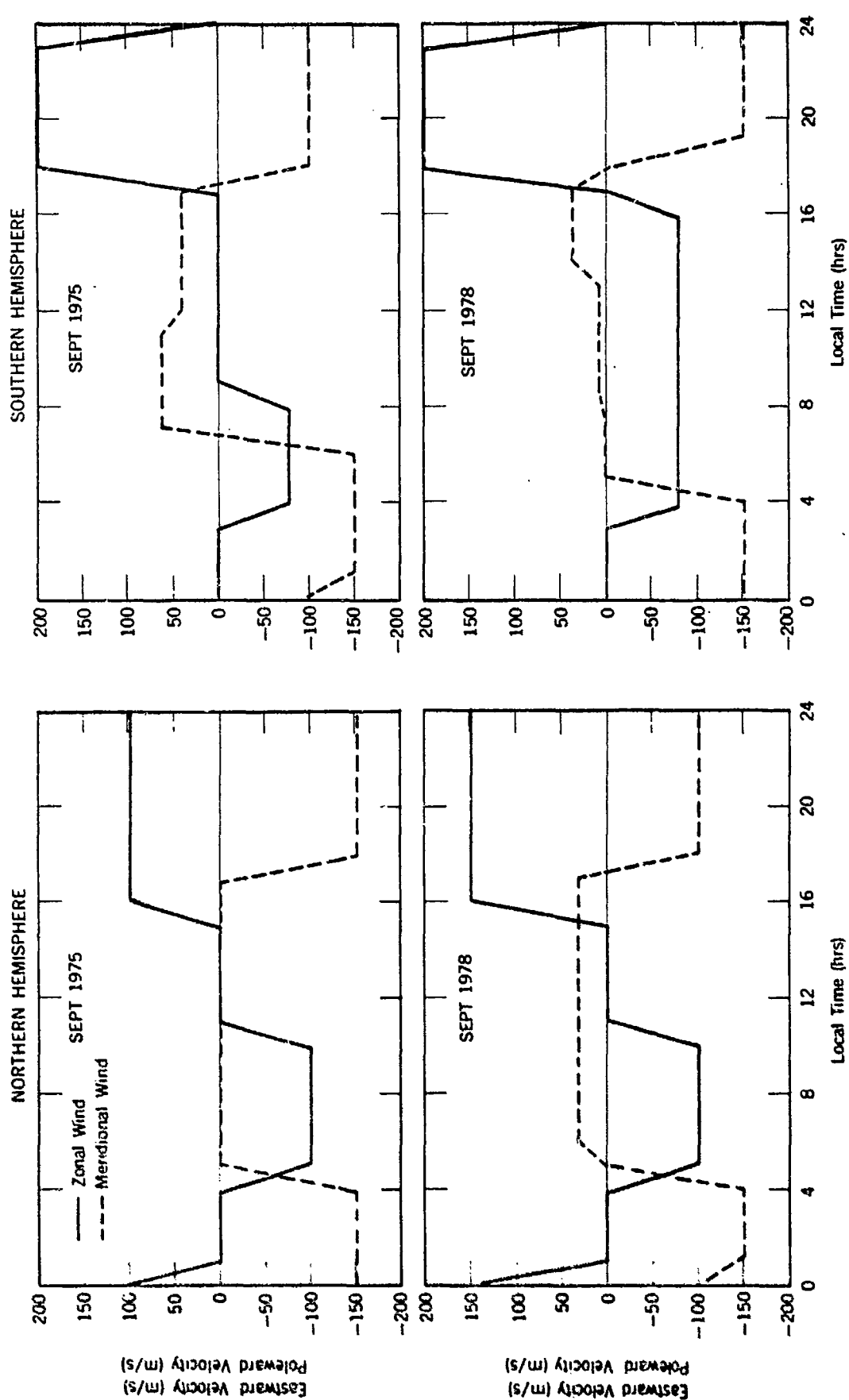


Figure A.9 Meridional and zonal neutral wind models for September 1975 and 1978.

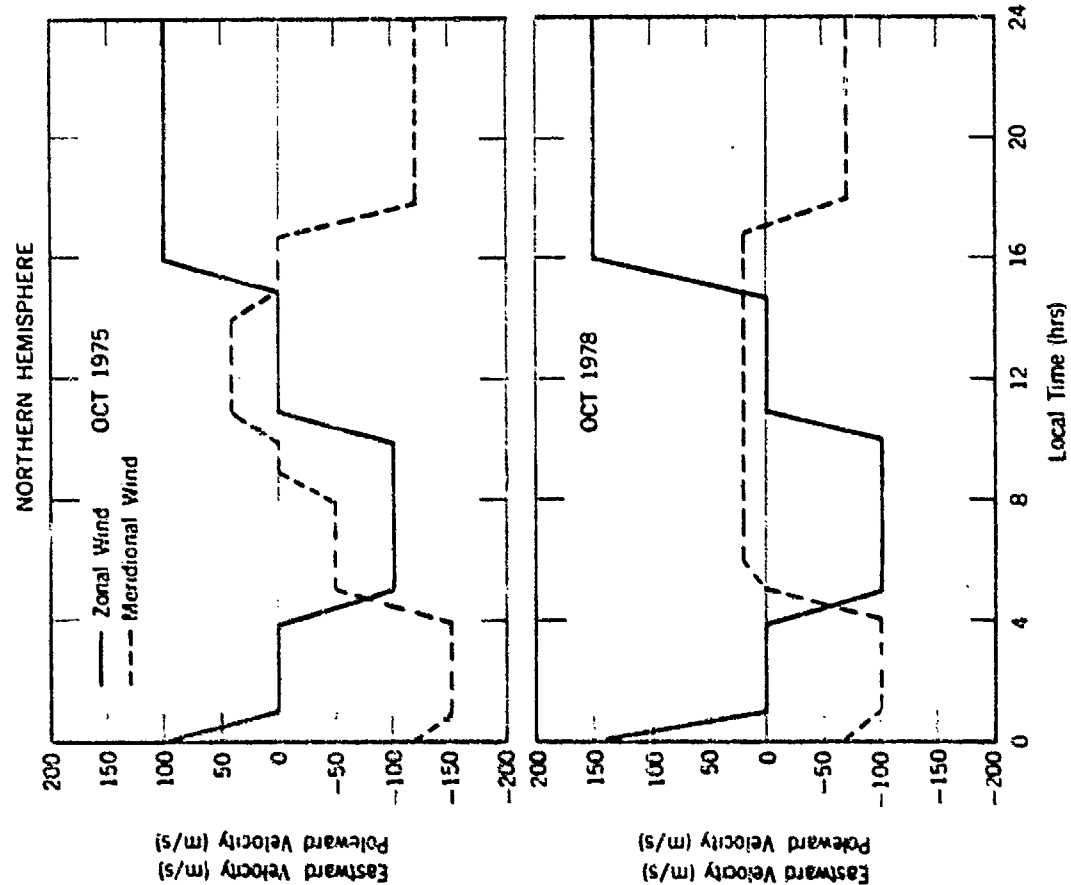


Figure A.10 Meridional and zonal neutral wind models for October 1975 and 1978.

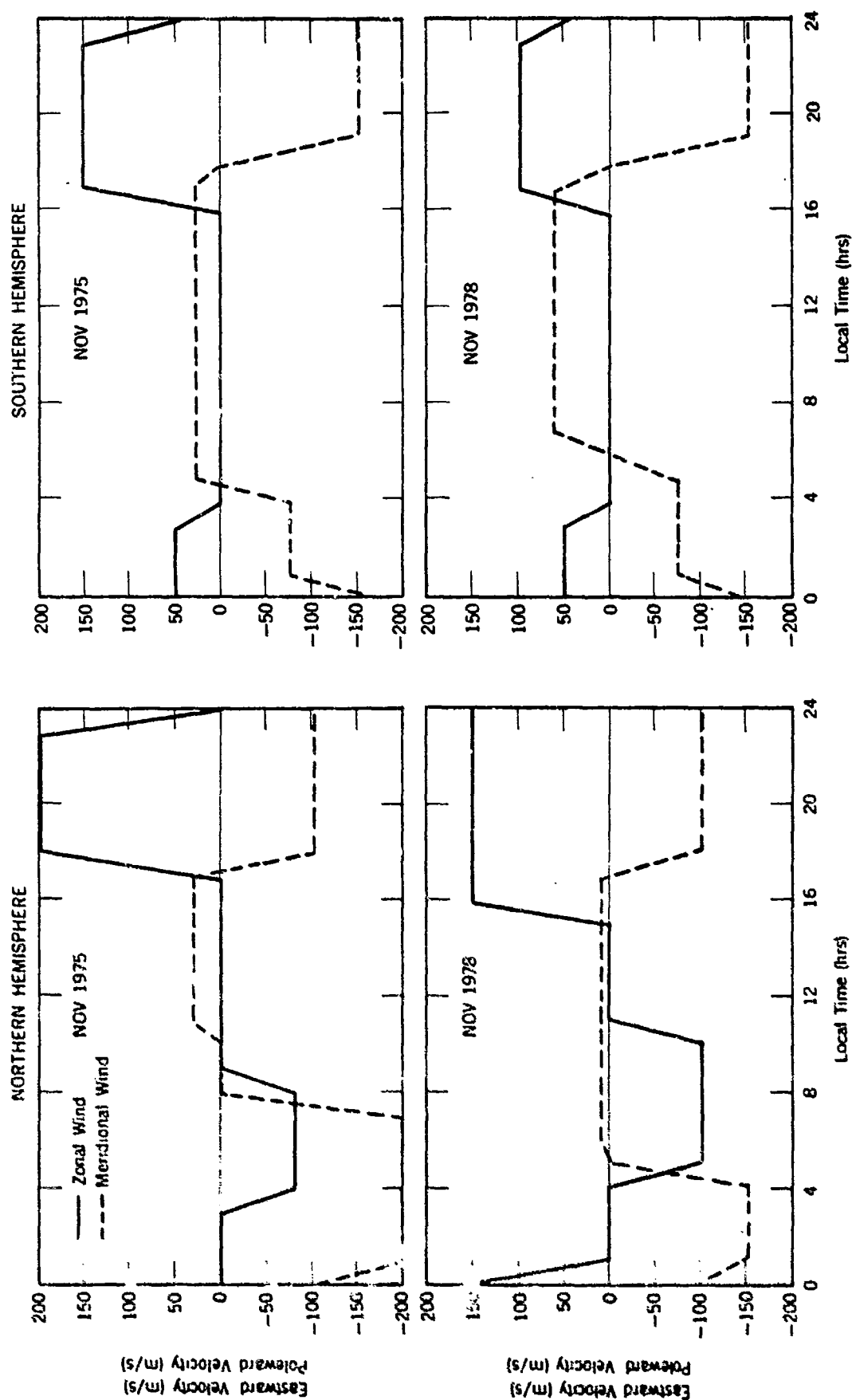


Figure A.11 Meridional and zonal neutral wind models for November 1975 and 1978.

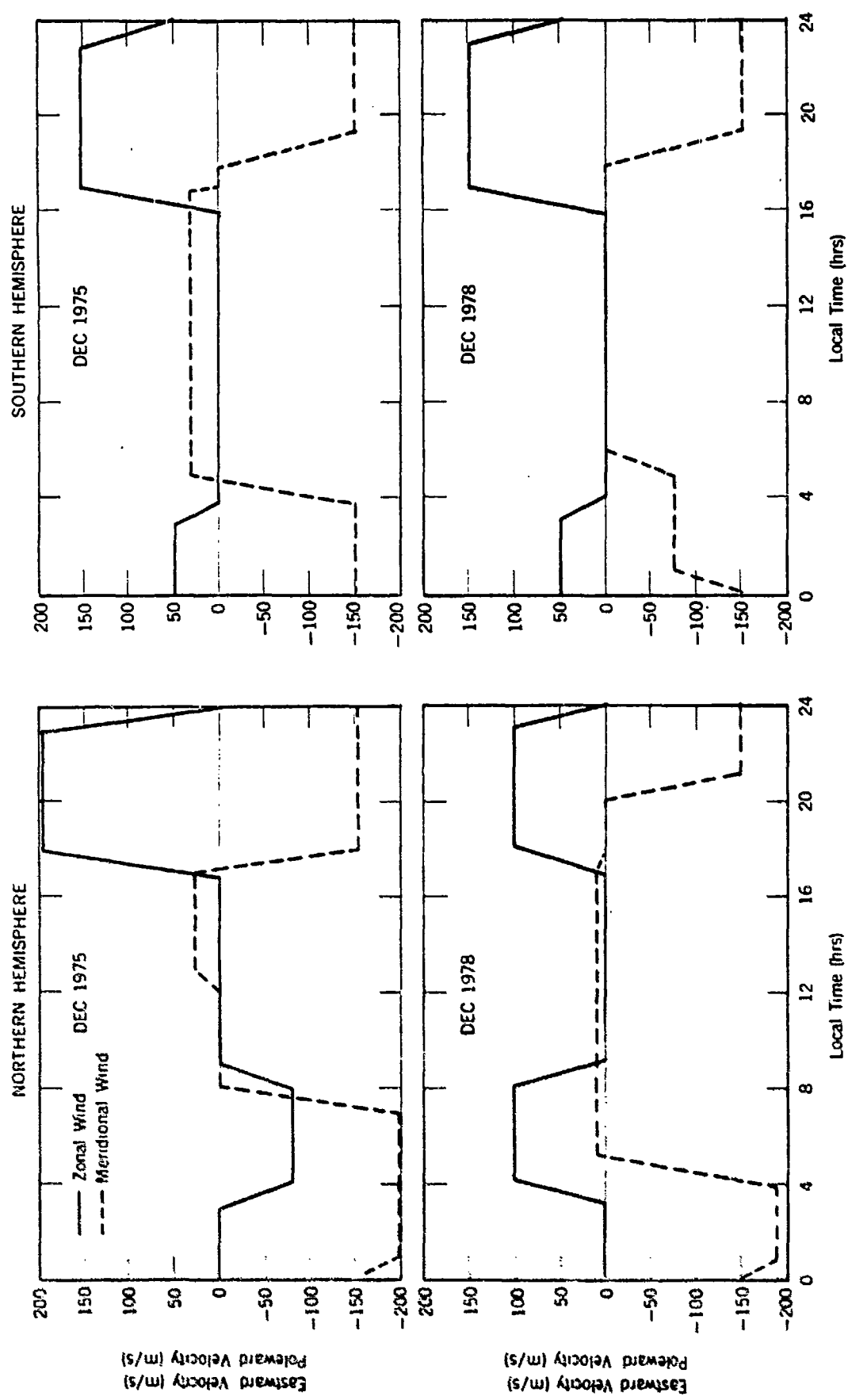


Figure A.12 Meridional and zonal neutral wind models for December 1975 and 1978.

APPENDIX B: TABLES OF COEFFICIENTS TO REPRESENT THE GLOBAL VARIATION OF THE MEDIAN VALUE OF foF2 FOR EACH MONTH OF THE YEAR FOR TWO SOLAR EPOCHS

This appendix provides the listing of the numerical coefficients derived in this study. Numerical coefficients for the months July 1975 to June 1976 and for July 1978 to June 1979 are presented in tabular form. These coefficients are used to determine the value of foF2 anywhere on the globe for the month indicated.

The general form of the numerical map function, $\Omega(\lambda, \theta, T)$, is the Fourier time series:

$$\Omega(\lambda, \theta, T) = a_0(\lambda, \theta) + \sum_{j=1}^H [a_j(\lambda, \theta) \cos jT + b_j(\lambda, \theta) \sin jT] \quad (B.1)$$

where:

λ = geographic latitude ($-90^\circ \leq \lambda \leq 90^\circ$)

θ = east geographic longitude ($0^\circ \leq \theta \leq 360^\circ$)

(θ in degrees east of the Greenwich meridian)

T = universal time expressed as an angle ($-180^\circ \leq T \leq 180^\circ$),

and H = the maximum number of harmonics used to represent the diurnal variation.

The Fourier coefficients, $a_j(\lambda, \theta)$ and $b_j(\lambda, \theta)$ vary with the geographic coordinates and are represented by series of the form: $-90^\circ \leq \lambda \leq 90^\circ$.

$$a_j(\lambda, \theta) = \sum_{k=0}^K u_{2j,k} G_k(\lambda, \theta), \quad j = 0, 1, 2, \dots, H. \quad (B.2a)$$

$$b_j(\lambda, \theta) = \sum_{k=0}^K u_{2j-1,k} G_k(\lambda, \theta), \quad j = 1, 2, \dots, H. \quad (B.2b)$$

The particular choice of the functions, $G_k(\lambda, \theta)$, is determined by specifying the integers k ($k_0, k_1, k_2, \dots, k_i, \dots, k_8$; $k_8 = K$ where i is the order in longitude. Therefore, a numerical map can be written more explicitly in the form:

$$\begin{aligned} \Omega(\lambda, \theta, T) = & \sum_{k=0}^K u_{0,k} G_k(\lambda, \theta) + \sum_{j=1}^H [\cos jT \sum_{k=0}^K u_{2j,k} G_k(\lambda, \theta) \\ & + \sin jT \sum_{k=0}^K u_{2j-1,k} G_k(\lambda, \theta)] \end{aligned} \quad (B.3)$$

The month and the sunspot number are indicated at the top of each table. The coefficients are listed according to the following groupings:

- 67

Table B.1 Coefficients to Represent the Global Variation of the Median Value of foF2 for January 1976

HARMONIC		0	1	2	3	4	5	6
	K	0	1	2	3	4	5	6
I	0	.3794110E+01	.4582100E+01	-.2593714E+00	-.3580160E+01	-.7205340E+01	-.7536230E+03	-.3716100E+01
	1	.6888730E+00	-.4731440E+00	.5752430E+00	-.6079924E+00	-.3637080E+00	-.2742630E+00	-.4576860E+00
	2	.7021320E+01	-.2662190E+01	.1640160E+00	-.2502576E+01	.1764380E+01	-.6736410E+01	.12147610E+01
	3	-.3143940E+01	.4301340E+01	-.1307640E+01	.1020202E+02	-.6244750E+01	-.6499970E+01	-.3971520E+01
	4	-.26271370E+02	.2386660E+02	-.6749762E+01	.1226487E+02	-.1331440E+02	.6035512E+01	-.77121770E+01
	5	-.24618190E+02	-.3439120E+02	-.44937260E+01	-.47163090E+02	-.14288150E+02	-.12631230E+02	-.75524960E+02
	6	-.2410310E+02	-.6187950E+02	-.2619410E+02	-.1307301E+02	-.1151800E+02	-.7818377E+02	.1205000E+01
	7	.1409386E+03	.1150880E+03	.3720140E+01	.90680230E+02	.3746570E+02	.2496164E+02	-.3373800E+02
	8	-.4390440E+03	.3910100E+03	.2638280E+02	.1107170E+03	-.6321570E+02	.1715031E+03	-.2444540E+02
	9	.1888130E+03	-.1474910E+03	.12613770E+02	-.76156610E+02	-.3922445E+02	-.1772148E+02	-.6400200E+01
	10	-.1003830E+03	-.1441110E+03	-.40410220E+01	.6750110E+01	.17700220E+02	-.1049102E+02	.1073231E+02
11	.8173644E+02	.5812664E+02	-.1018947E+02	.25107450E+02	.1196557E+02	.3108940E+01	-.1631124E+02	
II	12	.1592160E+00	.1816910E+01	.1781740E+01	-.25622190E+01	-.6442510E+01	-.41822130E+02	.4116831E+01
	13	-.6597471E+00	-.17481740E+01	.2015440E+01	-.11270370E+01	-.15489230E+00	.46673780E+01	-.6357960E+01
	14	.6681410E+00	.1754890E+00	.2452600E+01	.12249100E+01	.35540140E+00	.21219127E+00	-.1652380E+01
	15	-.10931610E+01	.3873864E+00	.7039208E+00	.29018300E+01	.95277920E+00	-.4218110E+00	-.17048470E+01
	16	-.13247870E+01	.2496731E+01	.6181790E+01	-.2859034E+01	.2091040E+01	-.758840E+00	.1205000E+01
	17	.10240740E+02	-.70910530E+01	.1457346E+01	.24240230E+01	-.6279320E+01	-.2302740E+01	.19267280E+01
	18	.72314030E+01	.15042090E+02	-.22756930E+02	.2193146E+02	-.2682340E+00	.4416310E+01	.2417476E+01
	19	.3809880E+02	-.2316900E+02	-.1212330E+02	-.12887850E+02	-.1495880E+02	.87128130E+01	-.3402930E+01
	20	.27810110E+02	-.32241030E+01	.7951308E+01	.11487780E+02	-.2164261E+02	-.37928040E+01	-.37111510E+01
	21	-.47749730E+02	-.7428830E+01	.1266406E+02	-.7608610E+01	-.2982580E+02	.11724930E+02	-.12649360E+02
	22	-.3494910E+02	-.1483810E+02	.1037914E+02	-.1354940E+02	.2594187E+02	.3371921E+02	-.1743620E+01
III	23	-.26308970E+03	.1521050E+03	-.6404110E+02	.9755376E+02	-.6411310E+02	-.6879431E+02	.3352661E+02
	24	-.1179720E+03	-.4704960E+02	-.1352676E+03	-.2740782E+01	.8160944E+02	.2521053E+02	-.3433016E+01
	25	.10912320E+03	.26161810E+03	-.1772300E+03	.96449360E+01	.10921690E+03	.40496700E+01	-.3036700E+01
	26	.12884930E+03	.3125713E+03	-.1894590E+03	.37239760E+03	-.1804618E+03	-.6203960E+02	.3337440E+02
	27	-.8924291E+03	-.1864901E+03	.1464533E+03	-.25111570E+03	-.20109230E+02	.1161129E+03	-.11082230E+03
	28	.17424840E+03	-.95977170E+02	-.2742309E+03	-.3672390E+03	-.11677190E+03	-.1495816E+02	.1481122E+01
	29	-.1288310E+03	-.3541110E+03	.3157126E+03	-.3481172E+03	-.1461109E+03	-.3617376E+03	-.3543565E+02
	30	-.1252840E+03	-.5494930E+03	.1449971E+03	-.1454293E+03	.3237039E+03	.6081816E+02	-.7161110E+02
	31	-.7346760E+03	.6207780E+03	-.2445871E+03	.2842310E+02	-.3135020E+02	-.2218030E+03	.4465340E+03
	32	-.8394663E+02	-.3006940E+02	-.16188770E+02	.3934840E+02	.3034970E+02	.2277032E+02	-.1254240E+02
	33	.3627310E+02	.1971760E+03	-.1386060E+03	-.28698110E+01	.5484440E+02	.9480210E+01	.2468109E+02
IV	34	-.317210E+02	.2421851E+03	-.6834751E+02	-.1476440E+03	-.1779181E+03	-.1882802E+02	.3496173E+03
	35	.2834720E+03	-.1710790E+03	.11764230E+03	-.1163724E+03	.2481750E+02	-.6778460E+02	-.4803360E+02
	36	.71026230E+01	-.1973120E+00	.1220540E+00	-.78692440E+00	.14377650E+01	-.3447960E+01	-.6423780E+01
	37	.91113370E+01	.1066396E+01	-.8548941E+01	-.75661780E+01	-.3220272E+00	.7484931E+01	-.3768200E+01
	38	-.34891070E+00	.13466110E+00	-.7204970E+00	.11681370E+00	.1249466E+01	.6074138E+01	-.1132810E+01
	39	.6087930E+00	.3113740E+01	-.6864660E+00	-.10351610E+01	-.2119680E+00	.9904474E+00	-.1902103E+01
	40	.7833724E+00	-.6361470E+00	-.6364226E+00	.1723339E+01	.2391016E+01	.2861670E+01	.2243425E+01
	41	-.3913372E+00	.13491750E+01	.3053739E+00	-.3789480E+01	.3551888E+01	-.4930102E+00	-.2113460E+01
	42	-.2251680E+01	.3312308E+01	.1137249E+02	-.7861231E+01	.1163570E+01	-.3023884E+01	-.2682990E+01
	43	-.3146348E+01	.4766755E+01	.1389187E+02	.8437184E+01	-.2617684E+01	-.1387926E+01	-.2463616E+01
	44	-.3846168E+01	.1900220E+02	.3794468E+02	.1238216E+02	.1325393E+02	-.6046670E+01	-.1258130E+02
V	45	-.2603180E+01	.1380040E+02	.6579540E+01	-.5738958E+01	-.6810737E+01	.7817960E+01	.7700020E+01
	46	.1023940E+02	-.14682770E+02	-.3457178E+02	.27881264E+02	-.6973138E+01	.6744040E+01	.6311140E+01
	47	.1394870E+01	-.14064340E+02	-.4463324E+02	-.1491638E+02	.9839498E+01	.9494620E+01	.14494170E+01
	48	.11286310E+02	-.3267621E+02	-.5920227E+02	-.6882280E+02	-.9413680E+02	.1468813E+02	.2217780E+02
	49	.1366347E+02	-.6378730E+02	-.3506421E+02	-.4412894E+02	-.2722647E+02	.1881211E+01	-.7609660E+01
	50	-.6794010E+01	.1116230E+02	.3381122E+02	-.1827771E+02	.1818480E+02	-.1247701E+01	-.5977780E+01
	51	-.3402740E+01	.1313317E+02	.3849338E+02	-.7928620E+01	-.1481077E+02	-.7752980E+01	-.1759236E+01
	52	-.8796171E+01	.4946928E+02	.2891758E+02	.9288838E+02	.6343540E+02	-.1238902E+02	-.1360227E+02
	53	-.1464040E+02	.7615720E+02	.3872661E+02	-.4268920E+02	.2402938E+02	-.2103470E+01	-.1431640E+01
	54	-.1240338E+00	.7934010E+01	-.1401371E+00	-.3207163E+01	.1372280E+00	-.3913408E+00	-.3791713E+00
	55	-.5783180E+00	.1662748E+00	-.2356928E+01	-.1165891E+01	-.1287724E+01	.3791802E+00	-.3484881E+00
VI	56	-.7316420E+01	.3228691E+01	-.2389480E+00	.6126872E+01	-.1332808E+00	-.2486930E+00	.4073940E+01
	57	-.9316722E+01	.6731677E+00	-.1441276E+00	.2514240E+01	.1232710E+00	-.7137407E+00	-.7137407E+00
	58	.1844410E+01	-.9544678E+00	.6440110E+00	.2133430E+01	-.7227797E+00	.1443090E+01	.3397330E+00
	59	-.1416130E+01	.4334260E+00	.9317878E+00	.6467412E+00	-.8464615E+00	.1246941E+01	.1161424E+01
	60	-.2448880E+02	-.6378230E+02	.2387916E+02	-.8440022E+01	.7579802E+01	.4352181E+00	-.1301011E+01
	61	.9345910E+00	-.1111582E+01	-.2409216E+00	-.1486021E+01	-.1154918E+00	.6179401E+00	.8220191E+00
	62	-.6749142E+00	.2921374E+01	.1818778E+01	-.6373240E+00	-.1901740E+00	-.2018161E+01	-.3132341E+01
	63	.2667812E+01	-.3541881E+01	-.6847904E+01	.1832263E+01	.2493254E+00	.1346126E+01	-.1232124E+01
	64	.4449710E+01	-.4973290E+01	.2010778E+01	.1863240E+01	.1891398E+00	-.2556302E+01	.4332440E+01
	65	-.7373480E+01	-.6736240E+01	-.6473219E+01	-.1473219E+01	.9339380E+01	-.1214121E+01	-.1214121E+01
	66	.15497180E+00	-.1182447E+00	-.2491135E+01	-.8738064E+01	-.7311703E+01	.1912387E+01	-.2224762E+01
VII	67	-.9279310E+01	.1276092E+00	-.1346980E+00	-.1444790E+00	-.1814977E+00	.2124925E+01	.1377914E+01
	68	-.1422790E+01	.6922290E+01	.2934422E+01	-.1797163E+01	.6142746E+01	-.4174942E+01	-.1244221E+01
VIII	69	.3477131E+01	-.2467712E+01	-.9340278E+01	-.7963939E+01	.9339380E+01	-.1812494E+01	-.1812494E+01
	70	.2727214E+01	-.2281642E+01	-.8449320E+01	-.1938720E+01	-.1444212E+01	.6023772E+01	.3284444E+01
IX	71	.9237466E+01	-.7088072E+01	.4249350E+02	.7273487E+01	-.2168482E+01	.6023772E+01	.1938720E+01
	72	-.3455112E+01	.9799612E+02	-.3778640E+01	.1246274E+02	-.2443340E+01	.4238228E+01	-.4238228E+01

Table B.1 Coefficients to Represent the Global Variation of the Median Value of foF2 for January 1976 (Continued)

HARMONIC		4		5		6	
	$\frac{S}{K}$	7	8	9	10	11	12
I	0	-.10114490E-01	.6563440E-02	-.44017000E-02	-.33934360E-01	-.14374620E-02	-.38678220E-01
	1	-.62002490E-01	-.21004160E-00	-.2894110E-01	-.7011030E-01	-.22226030E-00	-.46100700E-01
	2	-.25314970E-00	-.2404180E-00	-.2162180E-00	-.3770810E-00	-.19313300E-00	-.1313090E-01
	3	-.1761930E-01	-.3731960E-01	-.6632180E-00	-.3591380E-00	-.5943770E-01	-.1615740E-01
	4	-.3724418E-01	-.1570300E-01	-.14313930E-01	-.25210720E-01	-.1248670E-01	-.6875730E-01
	5	-.11049710E-02	-.14053740E-02	-.36401500E-01	-.13504840E-01	-.26748940E-02	-.6136040E-01
	6	-.1451440E-02	-.65143740E-01	-.3284670E-01	-.36246130E-01	-.3070360E-01	-.2180600E-02
	7	-.2667960E-02	-.6136040E-02	-.1243040E-02	-.2757440E-01	-.60303100E-02	-.10303300E-02
	8	-.2026440E-02	-.7642170E-01	-.2740140E-01	-.2200810E-01	-.60303100E-02	-.2520270E-02
	9	-.2710310E-02	-.6029330E-02	-.12503170E-02	-.2644060E-01	-.3634610E-02	-.6431340E-01
	10	-.9230870E-01	-.2447920E-01	-.4324710E-00	-.26002790E-00	-.3131940E-01	-.8211110E-01
	11	-.6740040E-01	-.14431270E-02	-.44445420E-01	-.10971340E-01	-.1623830E-02	-.2794510E-01
II	12	-.10349130E-01	-.6916470E-01	-.3571140E-01	-.23119620E-01	-.33211030E-01	-.5363030E-02
	13	-.44791330E-02	-.5642200E-01	-.1170470E-01	-.32904520E-01	-.2164440E-01	-.7504210E-02
	14	-.15173720E-01	-.40713710E-00	-.34028630E-00	-.26176730E-00	-.44928610E-01	-.24213650E-00
	15	-.41146470E-01	-.1918100E-00	-.13434630E-00	-.10028150E-00	-.30217940E-00	-.4274410E-00
	16	-.24324970E-01	-.13242010E-01	-.21447780E-00	-.12623080E-01	-.12421750E-01	-.7034390E-00
	17	-.1174920E-01	-.1664030E-01	-.44862160E-00	-.10077670E-01	-.3202320E-00	-.3434630E-02
	18	-.65642480E-00	-.35042870E-01	-.33447210E-01	-.61648120E-01	-.1264250E-01	-.8210010E-01
	19	-.3164320E-01	-.23427130E-01	-.1230460E-01	-.2264460E-01	-.5041740E-01	-.2561340E-01
	20	-.2239500E-02	-.62757270E-01	-.66240480E-01	-.12564270E-02	-.67601940E-01	-.60139410E-01
	21	-.44914970E-01	-.69102480E-01	-.36340030E-01	-.12241510E-01	-.33169460E-01	-.39401320E-01
	22	-.34138340E-01	-.1552370E-02	-.2027744E-02	-.10075610E-02	-.61210750E-01	-.9000570E-02
	23	-.3604410E-02	-.73417180E-01	-.64967870E-00	-.26643780E-02	-.3801670E-02	-.1884440E-02
	24	-.7464420E-02	-.2304700E-02	-.2711340E-02	-.6331040E-02	-.1780240E-02	-.2006170E-02
	25	-.2701410E-02	-.2477430E-02	-.16672730E-02	-.6141540E-01	-.6491910E-01	-.1140740E-02
	26	-.143110E-02	-.10777070E-01	-.6944640E-02	-.6267500E-02	-.6267500E-02	-.1224750E-02
	27	-.1761400E-03	-.1542470E-01	-.14510230E-02	-.3617410E-02	-.6210430E-02	-.1716660E-02
	28	-.1010030E-03	-.2661920E-02	-.63971350E-02	-.39440280E-02	-.11804350E-02	-.32911270E-02
	29	-.3637480E-02	-.2780700E-02	-.24361120E-02	-.7233710E-00	-.11104010E-02	-.13600230E-02
	30	-.2472400E-02	-.13356770E-02	-.72623410E-02	-.6230810E-02	-.1176420E-02	-.16172220E-03
	31	-.1754630E-03	-.13017320E-02	-.36147220E-02	-.5944230E-02	-.5944230E-02	-.1111190E-02
	32	-.4744620E-02	-.11654950E-02	-.24563820E-02	-.2861260E-02	-.2861260E-02	-.14448130E-02
	33	-.1777520E-02	-.1110420E-02	-.11164420E-02	-.2254930E-01	-.4494670E-01	-.73511950E-01
	34	-.12449140E-02	-.24412370E-02	-.26647870E-02	-.16071350E-02	-.2204910E-01	-.3760700E-02
	35	-.6394100E-02	-.16918270E-02	-.2746960E-02	-.2325720E-02	-.2051310E-02	-.7487310E-03
III	36	-.8740110E-02	-.3573480E-01	-.67474610E-02	-.2467260E-01	-.2276780E-01	-.4482810E-00
	37	-.3573360E-03	-.3492670E-01	-.13724510E-01	-.13868120E-01	-.24463120E-02	-.3140930E-01
	38	-.1608040E-00	-.14281260E-00	-.40005930E-01	-.3301330E-01	-.6114430E-01	-.11016710E-00
	39	-.3441840E-00	-.59144720E-01	-.10180960E-00	-.6827760E-01	-.1072820E-01	-.6837930E-01
	40	-.7661370E-00	-.74491260E-00	-.1007610E-00	-.7449230E-00	-.8847660E-01	-.1021910E-01
	41	-.2087210E-01	-.4010310E-00	-.65683740E-00	-.1277810E-01	-.3184300E-00	-.6335710E-00
	42	-.1882710E-01	-.1864180E-01	-.44331060E-00	-.3964490E-00	-.1887326E-01	-.1633750E-01
	43	-.24456070E-01	-.10112260E-00	-.1708160E-01	-.63193070E-00	-.33339740E-00	-.4462310E-00
	44	-.3434610E-01	-.64924370E-01	-.31217070E-00	-.44220330E-01	-.01377670E-00	-.44246120E-01
	45	-.3124470E-01	-.10221620E-01	-.4229290E-01	-.7615160E-01	-.1431690E-01	-.4460140E-01
	46	-.6464980E-01	-.63126770E-01	-.10361260E-01	-.2643106E-01	-.6843313E-02	-.3264390E-01
	47	-.8148300E-01	-.24413170E-01	-.39417410E-01	-.1737830E-01	-.1121680E-01	-.4426930E-01
	48	-.1071430E-02	-.1065130E-02	-.01183430E-01	-.0728160E-01	-.2261130E-01	-.6442840E-01
	49	-.7240320E-01	-.1019130E-02	-.16720310E-02	-.14261670E-02	-.1480078E-01	-.74283160E-01
	50	-.9067960E-01	-.1704090E-01	-.0317030E-00	-.2782610E-01	-.4000140E-01	-.4212330E-01
	51	-.6333110E-01	-.29147740E-01	-.22339360E-01	-.12416780E-01	-.9507930E-00	-.23213740E-01
	52	-.60747820E-01	-.76746870E-01	-.5017190E-00	-.3597470E-01	-.14766910E-01	-.26162630E-01
	53	-.6471410E-01	-.6671390E-01	-.60774710E-01	-.64347110E-01	-.6333710E-01	-.64334780E-01
IV	54	-.64000240E-01	-.44016410E-02	-.16645900E-01	-.13662370E-01	-.1602240E-02	-.14144060E-01
	55	-.12807110E-01	-.64767430E-01	-.18966630E-01	-.30610950E-01	-.32702770E-01	-.67349220E-01
	56	-.1164070E-01	-.1408770E-01	-.1216400E-01	-.6446810E-01	-.83267150E-01	-.18660230E-01
	57	-.2337810E-02	-.90219160E-01	-.2143702E-01	-.6372310E-01	-.6372310E-01	-.3281060E-00
	58	-.72704490E-01	-.1757410E-00	-.2364060E-00	-.1969320E-00	-.14431180E-00	-.32879620E-00
	59	-.1445140E-02	-.2543310E-00	-.1467710E-02	-.6234520E-00	-.16644320E-00	-.44673430E-00
	60	-.2729490E-01	-.3849590E-01	-.14933260E-01	-.14312020E-00	-.9364100E-01	-.2224780E-00
	61	-.1050770E-02	-.14933260E-01	-.11087260E-03	-.6072940E-01	-.11079970E-00	-.6720290E-00
V	62	-.11231670E-03	-.6014180E-01	-.16753770E-00	-.16059360E-00	-.24666310E-00	-.46787870E-00
	63	-.9139164E-00	-.1329716E-00	-.21006710E-00	-.6197264E-03	-.14037310E-00	-.64674680E-00
	64	-.14932420E-00	-.2674060E-00	-.12077730E-01	-.18334220E-01	-.14932420E-02	-.31660730E-02
VI	65	-.279671820E-02	-.20511740E-00	-.46403710E-02	-.2810310E-01	-.14711120E-01	-.60453780E-02
	66	-.11214940E-02	-.66979310E-00	-.3117250E-02	-.24211010E-01	-.67966320E-01	-.2637560E-02
	67	-.3971410E-02	-.17362210E-00	-.2640210E-01	-.6339430E-01	-.1611810E-01	-.6079710E-01
VII	68	-.23440230E-01	-.2719190E-01	-.63440230E-01	-.1403400E-03	-.1176720E-01	-.3467360E-02
	69	-.44940020E-02	-.64969320E-01	-.27171010E-00	-.6394100E-01	-.19206190E-02	-.2032610E-01
VIII	70	-.3073194E-01	-.64969320E-01	-.27171010E-00	-.6394100E-01	-.19206190E-02	-.2032610E-01
	71	-.3073194E-01	-.64969320E-01	-.27171010E-00	-.6394100E-01	-.19206190E-02	-.2032610E-01
IX	72	-.3073194E-01	-.64969320E-01	-.27171010E-00	-.6394100E-01	-.19206190E-02	-.2032610E-01
	73	-.3073194E-01	-.64969320E-01	-.27171010E-00	-.6394100E-01	-.19206190E-02	-.2032610E-01

Table B.2 Coefficients to Represent the Global Variation of the Median Value of foF2 for February 1976

HARMONIC		0	1	2	3	4	5	6
I	K	0	1	2	3	4	5	6
		0	1	2	3	4	5	6
I	0	.62525630E+01	-.12247080E+00	-.14664720E+00	.10819140E+00	-.74514210E-01	-.50503340E-01	-.2232820E-01
	1	.48377820E+00	-.20494950E+00	.50337120E+00	-.30942630E+00	-.20118600E+00	.7894360E-01	.14650720E+00
	2	.10599800E+02	-.1135015E+01	.13920830E+01	-.7384390E+00	.1335090E+01	.1252810E+00	-.1423710E+00
	3	-.67017710E-01	-.44424820E-01	-.23274830E+00	.1864540E+01	.74129210E+01	-.16922480E+01	-.1469550E+01
	4	-.48275450E+02	.20337760E+02	-.4614220E+02	-.73639350E+01	-.23217410E+02	.42914920E+01	-.2118206E+00
	5	-.37053520E+02	.32156110E+01	-.13596050E+02	-.16751140E+02	-.3673480E+02	.3081989E+01	.1468016E+01
	6	.6424440E+02	-.79764560E+02	.49891890E+02	.35510350E+02	.6731000E+02	-.18124260E+02	.5109912E+01
	7	.15841130E+01	.38415490E+02	-.23561820E+02	.12307760E+02	.39737350E+02	-.43797610E+02	.37951140E+01
	8	-.17833820E+02	.10001000E+03	-.5745022E+01	-.1898190E+02	-.3759470E+02	.2474940E+02	-.7913845E+01
	9	-.17869910E+03	-.71842350E+02	-.2709070E+02	.29675570E+02	-.40246750E+02	-.96860070E+01	-.7401054E+01
	10	.4464440E+01	-.40297840E+02	.18977450E+01	.21377460E+02	.17657410E+02	-.10917030E+02	.3727220E+01
	11	.12331010E+03	.34693150E+02	.6946610E+01	.10575520E+02	.83904510E+01	.6627280E+01	.3617490E+01
II	12	.1413420E+00	-.20481200E+01	.15795310E+01	-.16916740E+00	.94259100E-01	-.4448080E-01	.22591180E-01
	13	-.7951640E+00	-.14105130E+01	.20667190E+01	-.33771280E+00	.10436340E+00	.33151180E-01	-.59815020E-01
	14	.3547100E+00	.60183580E+00	.12298180E+01	.44403810E+00	-.3749240E+00	-.11817540E-01	-.70275740E-01
	15	.3461350E+00	.31042410E+00	.10746210E+01	.91025080E+00	.3015290E+00	-.30159910E-01	-.1054220E+00
	16	-.3502089E+01	.13280270E+01	.16506860E+00	.17606490E+00	.9789036E+01	.19308290E+01	-.1278456E+01
	17	.72453140E+01	-.44645840E+01	.6101740E+01	.66129780E+01	-.61759840E+01	-.11271730E+01	.20373740E+01
	18	.1194900E+02	-.13706810E+02	-.35648460E+00	.9612340E+01	.1549240E+02	-.1738840E+01	.6479700E+00
	19	.13283830E+02	-.13167320E+02	-.65794650E+01	-.21401060E+02	-.6881510E+01	.3258240E+01	-.72172170E+02
	20	.67094480E+02	.34424710E+02	.40227460E+02	-.17514140E+01	-.4264910E+02	-.13017250E+02	.1464570E+02
	21	-.93550750E+01	-.5830050E+02	.67760470E+01	.49334720E+02	.40572270E+02	.37677510E+01	-.22765470E+02
	22	-.80956180E+02	-.17186540E+03	.18342240E+02	-.1201240E+02	-.67710320E+02	.22846420E+02	.31682460E+01
	23	-.11476720E+03	-.43202310E+02	-.1771540E+02	.10060410E+01	.19576680E+02	.28933560E+02	.1341846E+02
	24	-.13706810E+02	-.2254980E+02	-.49641260E+01	.3361910E+01	.1356720E+03	.5533740E+02	-.6024350E+02
	25	-.3949470E+02	.37348420E+02	-.14662150E+03	.12428320E+03	-.11374780E+03	-.1285550E+02	.7269464E+02
	26	.17882320E+03	.1313800E+03	.1311740E+03	.25636240E+02	.18811670E+03	.7338060E+02	.1451270E+02
	27	.29478010E+03	-.7963840E+01	.33332280E+03	-.22160170E+03	-.4294190E+02	.7934240E+02	-.6474350E+02
	28	.18418810E+03	.34617410E+03	.7950140E+03	-.1146010E+02	-.1673910E+03	.6455470E+02	.6234530E+02
	29	.63191010E+02	-.3282640E+03	.1951710E+03	-.14576280E+03	.14594080E+03	.1549110E+02	-.963930E+02
	30	-.15953480E+03	-.5837430E+03	.1073040E+03	.1165040E+02	-.1726060E+03	.69613950E+02	.1784680E+02
	31	-.2429140E+03	-.6441450E+02	-.2028370E+03	.28509410E+03	.19536090E+02	-.9728440E+02	.1401694E+01
	32	-.7355920E+02	-.18460430E+03	-.3528730E+03	.39327340E+01	.70726260E+02	.21908410E+02	-.3775410E+02
	33	-.4468039E+02	.24664440E+03	-.21431610E+03	.59938950E+02	-.6884870E+02	-.7910930E+01	.9431870E+02
	34	.62465120E+02	.24661420E+03	-.69304880E+02	.57107680E+01	.55740010E+01	-.37649870E+02	-.6032310E+01
	35	.9606480E+02	.6163220E+02	.9751010E+02	-.7267190E+02	.64471420E+00	.4276870E+02	-.4466705E+02
III	36	.62417340E-01	-.74709340E+00	-.7492220E+03	-.93327420E+00	.2016240E+00	-.3178590E-01	-.2597190E-01
	37	.14839740E+00	.32409040E+00	-.6257760E-01	-.21475620E+00	-.62732870E+00	-.1032500E-01	-.8941574E-01
	38	.60103030E+00	.79104940E+00	-.4667646E-01	-.32611870E+00	-.31095870E+00	.37467070E+00	-.2221950E+00
	39	-.4321134E+00	-.13511320E+01	-.6809540E+00	.12128230E+01	-.82777610E+00	.2184830E+01	.1706400E+00
	40	.70402430E+00	-.64010820E+00	-.19324820E+00	.70297380E+01	.17159570E+01	-.4350640E+00	.1296400E-01
	41	-.34969420E+01	.11744170E+01	.14423790E+01	-.24617980E+01	.44933280E+01	.7122032E+00	.1208026E+00
	42	-.61611470E-01	-.24449190E+01	.14005730E+01	.61370360E+01	.94642930E+01	.24464770E+01	.9440121E+00
	43	-.1071440E+01	-.61764080E+01	-.74603170E+01	-.3766040E+01	.94421440E+01	.1432296E+01	-.1130740E+01
	44	-.61611470E-01	.22438890E+02	-.2006490E+02	.59939250E+01	.1243110E+02	.14403980E+02	-.6772466E+01
	45	-.3321340E+02	-.60284590E+01	-.18048120E+01	-.5071770E+01	.5919760E+01	-.14367870E+01	.6428810E+01
	46	.14118460E+02	-.30227120E+01	-.64739510E+01	-.17001760E+02	-.14302720E+02	.35419880E+01	-.1464460E+01
	47	-.32221760E+00	.26049790E+02	.1947377E+02	.19442710E+02	-.23587910E+02	.39084220E+01	.3240470E+02
	48	.22039720E+02	-.3936740E+02	.7084000E+02	-.27210210E+02	-.43841070E+02	.4316430E+01	.9126473E+01
	49	-.4410460E+02	-.61442480E+02	.9161200E+02	.19691590E+02	-.47323590E+02	.12184690E+02	.1312460E+02
	50	-.64710370E+01	.32468070E+01	.9703140E+01	.1313050E+02	.1332540E+02	-.12849390E+01	-.12971060E+01
	51	.27077460E+01	-.21146080E+01	-.1409640E+01	-.1041890E+02	.11232450E+02	.24497080E+01	.11842910E+01
	52	-.22731430E+02	.46776370E+02	-.37950330E+02	.2897145E+02	.37411350E+02	-.4426160E+01	-.1594270E+01
	53	.24498840E+02	.61789780E+02	-.21260760E+01	.14988010E+02	.3894966E+02	-.77437240E+01	-.1251160E+02
IV	54	-.14378730E+00	.1116460E+00	-.18621670E+00	.1497840E+00	.1244580E+00	-.3148130E+00	-.6104440E+00
	55	.15240210E+00	.14825740E+00	.11405120E+00	-.61921740E-01	.6411960E-01	-.6752305E+00	-.5381740E+00
	56	.1196518E+00	.1497246E+00	.4235774E+00	.6377460E-01	-.1144140E+00	.7832676E+00	.1494620E+00
	57	.33549730E+00	.7126494E+00	-.5949772E+00	.1272980E+00	.4984376E+00	-.1133547E+00	-.6023402E+00
	58	.1174340E+01	-.6159338E+00	.1410440E+01	-.10102730E+01	-.3911450E+00	.1649183E+01	.1444520E+01
	59	-.6129340E+00	.1287640E+00	-.2637378E+01	.6461420E+00	.11841280E+00	-.1440110E+01	.2844724E+01
	60	-.6164912E+00	-.1134612E+01	-.1244140E+01	.6658905E+01	.63411230E+00	.74622170E+02	.2491243E+02
V	61	-.11900380E+01	.6051170E+01	.1480148E+00	.3746122E+01	.1489498E+01	.8948950E+01	.4446412E+02
	62	-.1649183E+01	.1736782E+01	-.1495938E+01	.29725340E+01	.3217736E+01	.3945261E+01	-.1414940E+01
	63	-.4323644E+02	-.1549637E+01	.2315184E+01	.4494149E+00	.21871290E+01	.1977914E+01	-.6114544E+01
VI	64	-.34983370E+02	.14061830E+01	-.2254980E+01	.6279644E+01	.69716080E+01	.22162430E+01	.2474939E+01
	65	-.1516478E+01	.2623979E+01	-.1403779E+02	-.1197943E+00	.6849740E+01	-.2282595E+01	.1842172E+01
	66	-.1874933E+00	-.4249211E+00	.3464601E+00	-.6958140E+01	-.8746420E+01	.2144952E+01	.8544820E+01
VII	67	-.18393130E+00	-.7491954E+02	.11394740E+00	-.1960978E+01	-.1413162E+02	.7149312E+01	-.6971942E+01
	68	-.2310202E+01	.1333678E+01	.5977104E+01	.1467180E+01	.14447140E+01	-.1947822E+01	-.4711447E+01
VIII	69	-.2310202E+01	.1333678E+01	.5977104E+01	.1467180E+01	.14447140E+01	-.1947822E+01	-.4711447E+01
	70	-.2310202E+01	.1333678E+01	.5977104E+01	.1467180E+01	.14447140E+01	-.1947822E+01	-.4711447E+01
IX	71	-.2310202E+01	.1333678E+01	.5977104E+01	.1467180E+01	.14447140E+01	-.1947822E+01	-.4711447E+01
	72	-.2310202E+01	.1333678E+01	.5977104E+01	.1467180E+01	.14447140E+01	-.1947822E+01	-.4711447E+01

Table B.2 Coefficients to Represent the Global Variation of the Median Value of foF2 for February 1976 (Continued)

HARMONIC		4		5		6	
	$\frac{K}{S}$	7	8	9	10	11	12
I	0	-249204200-01	-104015500-01	-226999800-02	-749032500-02	-804471000-02	-811012000-02
	1	-104972000-00	-101701200-00	-210123500-00	-100781000-00	-110794000-00	-890115500-01
	2	-340197000-00	-439012500-00	-129942900-00	-130798100-00	-295095900-00	-431260000-00
	3	-210402300-01	-27661700-01	-331016100-01	-777210100-00	-237911700-01	-110236000-01
	4	-230235000-00	-352617000-01	-100953500-01	-141120000-01	-212031000-01	-320322100-01
	5	-101020500-02	-147406100-02	-150237500-02	-230054000-01	-111761100-02	-404417000-01
	6	-330240000-01	-76088000-01	-50776000-01	-370107000-01	-510475000-01	-800120000-01
	7	-21970100-02	-31420400-02	-101894300-02	-427044000-01	-237742000-02	-72712000-01
	8	-75225700-01	-60789100-01	-405077000-01	-506277000-01	-531170000-01	-90935000-01
	9	-20420400-02	-204907000-02	-200407000-02	-630132000-01	-211024000-02	-550222100-01
	10	-300710000-01	-139710700-01	-271425400-01	-235940700-01	-100197700-01	-108894500-01
	11	-710095000-01	-692210400-01	-671644100-01	-140303100-01	-711970000-01	-100509500-01
II	12	-904015000-02	-923137000-01	-500707000-01	-150947000-01	-142233700-01	-930407000-02
	13	-554218100-02	-400044000-01	-234783000-01	-100411700-01	-110790000-02	-402095000-01
	14	-310490000-00	-207152000-00	-174734000-00	-100923700-00	-171210100-00	-772200000-02
	15	-92100000-00	-231410700-00	-094007300-01	-361110000-01	-67371000-00	-701303000-01
	16	-000181200-00	-101270000-01	-150310500-01	-001304000-00	-203407700-00	-100712000-00
	17	-459080000-00	-157130500-00	-005908000-00	-211422000-00	-770130500-00	-133573100-01
	18	-430970000-01	-031100100-01	-020050000-01	-502000000-00	-320311000-01	-372070200-00
	19	-217504000-01	-150700000-01	-300200100-00	-333031000-01	-010242200-01	-274532100-01
	20	-420712100-01	-210092700-02	-110060700-02	-316400000-01	-101291300-01	-004010700-00
	21	-453305000-01	-750172000-01	-214020100-01	-045940000-01	-050604000-01	-707023500-01
	22	-200010000-02	-17100000-02	-324077000-02	-310221000-01	-101040000-02	-500722010-01
	23	-100104700-02	-33000100-01	-220100500-01	-240033500-01	-37030500-02	-177070700-02
	24	-107220700-02	-040000000-02	-240041700-02	-09007000-02	-102103300-01	-712011000-00
	25	-040010000-01	-107111000-01	-004200000-01	-200070700-02	-200110000-02	-107105000-02
	26	-703751000-02	-010704000-02	-042200100-02	-107331000-01	-312004500-02	-230700000-02
	27	-000700000-02	-710000000-02	-022013000-02	-039403100-01	-000700000-02	-004200000-02
	28	-110007000-02	-002500100-02	-001070000-02	-007100000-02	-007100000-02	-203000000-00
	29	-071207100-01	-003700000-01	-077000000-00	-140140000-02	-150610100-02	-103207000-02
	30	-013010000-02	-002130000-02	-001221000-02	-102000000-02	-230120100-02	-104420700-02
	31	-042770000-02	-000220000-02	-107030000-02	-735032100-02	-072100000-02	-072100000-02
	32	-000000000-01	-330770000-02	-213200000-02	-317090000-01	-000000000-01	-313000000-01
	33	-330000000-01	-197755000-01	-130000000-01	-101070000-02	-100021000-02	-000000000-01
	34	-002000000-02	-177550000-02	-210017000-02	-150021000-02	-002000000-02	-100110000-02
	35	-100010000-02	-250001700-01	-073117700-01	-201702700-02	-002702000-02	-102701000-02
III	36	-000000000-01	-170000000-01	-100000000-01	-111103000-02	-107702200-01	-330710700-01
	37	-000000000-01	-171710000-01	-107000000-01	-100000000-01	-330700000-02	-330700000-02
	38	-170000000-02	-172700000-02	-100000000-01	-100000000-01	-330700000-02	-330700000-02
	39	-200010000-00	-007700000-00	-100000000-00	-100000000-00	-240000000-00	-000000000-00
	40	-170000000-00	-007700000-00	-100000000-00	-100000000-00	-240000000-00	-000000000-00
	41	-200010000-01	-007700000-01	-100000000-01	-100000000-01	-240000000-01	-000000000-01
	42	-100000000-01	-007700000-01	-100000000-01	-100000000-01	-240000000-01	-000000000-01
	43	-000000000-01	-100000000-01	-100000000-01	-100000000-01	-240000000-01	-000000000-01
	44	-100000000-01	-100000000-01	-100000000-01	-100000000-01	-240000000-01	-000000000-01
	45	-100000000-01	-100000000-01	-100000000-01	-100000000-01	-240000000-01	-000000000-01
	46	-100000000-01	-100000000-01	-100000000-01	-100000000-01	-240000000-01	-000000000-01
	47	-100000000-01	-100000000-01	-100000000-01	-100000000-01	-240000000-01	-000000000-01
	48	-100000000-01	-100000000-01	-100000000-01	-100000000-01	-240000000-01	-000000000-01
	49	-100000000-01	-100000000-01	-100000000-01	-100000000-01	-240000000-01	-000000000-01
	50	-100000000-01	-100000000-01	-100000000-01	-100000000-01	-240000000-01	-000000000-01
	51	-100000000-01	-100000000-01	-100000000-01	-100000000-01	-240000000-01	-000000000-01
	52	-100000000-01	-100000000-01	-100000000-01	-100000000-01	-240000000-01	-000000000-01
	53	-100000000-01	-100000000-01	-100000000-01	-100000000-01	-240000000-01	-000000000-01
IV	54	-100000000-01	-100000000-01	-100000000-01	-100000000-01	-240000000-01	-000000000-01
	55	-100000000-01	-100000000-01	-100000000-01	-100000000-01	-240000000-01	-000000000-01
	56	-100000000-01	-100000000-01	-100000000-01	-100000000-01	-240000000-01	-000000000-01
	57	-100000000-01	-100000000-01	-100000000-01	-100000000-01	-240000000-01	-000000000-01
	58	-100000000-01	-100000000-01	-100000000-01	-100000000-01	-240000000-01	-000000000-01
	59	-100000000-01	-100000000-01	-100000000-01	-100000000-01	-240000000-01	-000000000-01
	60	-100000000-01	-100000000-01	-100000000-01	-100000000-01	-240000000-01	-000000000-01
V	61	-100000000-01	-100000000-01	-100000000-01	-100000000-01	-240000000-01	-000000000-01
	62	-100000000-01	-100000000-01	-100000000-01	-100000000-01	-240000000-01	-000000000-01
	63	-100000000-01	-100000000-01	-100000000-01	-100000000-01	-240000000-01	-000000000-01
	64	-100000000-01	-100000000-01	-100000000-01	-100000000-01	-240000000-01	-000000000-01
VI	65	-100000000-01	-100000000-01	-100000000-01	-100000000-01	-240000000-01	-000000000-01
	66	-100000000-01	-100000000-01	-100000000-01	-100000000-01	-240000000-01	-000000000-01
VII	67	-100000000-01	-100000000-01	-100000000-01	-100000000-01	-240000000-01	-000000000-01
	68	-100000000-01	-100000000-01	-100000000-01	-100000000-01	-240000000-01	-000000000-01
VIII	69	-100000000-01	-100000000-01	-100000000-01	-100000000-01	-240000000-01	-000000000-01
	70	-100000000-01	-100000000-01	-100000000-01	-100000000-01	-240000000-01	-000000000-01
IX	71	-100000000-01	-100000000-01	-100000000-01	-100000000-01	-240000000-01	-000000000-01
	72	-100000000-01	-100000000-01	-100000000-01	-100000000-01	-240000000-01	-000000000-01

Table B.3 Coefficients to Represent the Global Variation of the Median Value of foF₂ for March 1976

HARMONIC		0	1	2	3	4	5	6
	$\frac{S}{K}$	0	1	2	3	4	5	6
I	0	.69762060E+01	-.45578390E-01	-.18062080E+00	.17257700E+00	-.27711870E-02	-.10732050E+03	-.12060930E-01
	1	.63804200E+00	-.91589400E+00	.44435900E+00	-.59948130E+00	-.23445590E+00	-.27553210E-01	.54866770E-01
	2	.16335280E+02	.19360100E+01	.42204190E+00	-.14990520E+01	.17378660E+01	.20414450E+01	.13380740E+02
	3	-.43676900E+01	.14361870E+02	-.27657940E+01	.12812390E+02	.37576650E+01	-.11195740E+01	-.11555730E+01
	4	-.10184870E-03	.53639640E-02	-.23264400E+01	.88145950E-01	-.13931050E+02	-.11365140E+02	-.74657150E+01
	5	-.74702110E-01	-.86851900E-02	-.68876460E+01	-.63738820E+02	-.27913950E+01	.74006650E+01	.2004524E-03
	6	.20543000E+03	-.15671740E+02	-.12102160E+02	-.12549830E+02	.36179480E+02	.25756930E+02	.17329120E+02
	7	.67751580E+02	.21515720E+03	.25810030E+02	.12702740E+03	-.23465000E+02	-.17082440E+02	.81364780E+01
	8	-.19384340E+03	.29709500E+02	-.19485400E+02	-.22511380E+02	-.18971580E+02	-.24783450E+02	-.1480430E+02
	9	-.10655150E+03	-.23431980E+03	-.24577370E+02	-.11290200E+03	.45753300E+02	.16033200E+02	-.15599140E+02
	10	.70740370E+02	-.11791670E+02	.98837400E+01	.11315570E+02	.11778340E+02	.89003280E+01	.75062240E+01
	11	.49826460E+02	.90595900E+02	.73981130E+01	.35876830E+02	-.22805320E+02	-.58736860E+01	.76456240E+01
II	12	.36516490E-01	.25121070E+01	.14170060E+01	.47595720E-01	-.57394620E-01	.1255070E-01	.5321546E-01
	13	-.32248430E-01	-.11742110E+01	.21964020E+01	-.13874720E+01	.15375700E-01	-.57878340E-01	-.1945141E-01
	14	.47626430E+00	.80582110E+00	.59397660E+00	.35792390E+00	.72452510E+00	-.31636570E+00	.8800440E+00
	15	.25910580E+00	.103707050E+01	.86926120E+00	.70230640E-01	.11759420E+01	-.70708940E-01	-.20343240E+00
	16	.45888940E+00	.39361910E+01	.81253010E+00	-.17082600E+00	-.3376790E+01	.134668130E+01	.90169400E+00
	17	.32449250E+01	-.47793830E+01	.12382570E+02	.61297100E+01	.20098060E+01	-.18879440E+01	.2151746E+00
	18	-.35552190E-01	.19043770E+01	-.33206760E+01	.41168290E+01	-.65034020E+00	.55744280E+01	-.97352320E+01
	19	.51141300E+01	-.18894800E+01	.42229700E+00	-.14558470E+02	-.25195970E+02	.82312790E+00	-.14705720E+01
	20	.21929800E+02	.13663640E+02	.97510370E+02	-.24464580E+02	-.34116070E+02	-.12147090E+02	.99495150E+01
	21	.15661780E+02	-.9688750E+02	-.23703600E+02	-.18900550E+02	.15159600E+02	.19089370E+02	-.24568130E+01
	22	-.44011510E+02	-.3589360E+02	.71001890E+02	-.35087640E+02	-.10980320E+02	.50178340E+02	-.50178340E+02
	23	-.43380220E+02	.69784650E+02	-.5392910E+02	.77199450E+02	.35550330E+02	-.17247400E+01	.23074370E+02
	24	-.94279430E+02	-.16824900E+03	-.44087020E+03	.11517730E+03	.10436440E+03	.31432190E+02	-.16447250E+03
	25	-.10250520E+03	.47936470E+03	-.12919060E+03	.10161970E+03	.38695740E+02	.63730300E+02	.10619260E+02
	26	-.15907110E+03	.16625240E+03	-.28762090E+03	.70370150E+02	.34580780E+02	.78573900E+02	-.12047060E+03
	27	.91105200E+02	-.11365400E+02	.21849020E+03	-.19362000E+03	-.15529700E+03	.68204930E+01	-.93169420E+02
	28	.12660150E+03	.30223390E+03	-.6512390E+03	-.17859230E+03	-.13444950E+03	.53362290E+02	.53362290E+02
	29	.16153140E+03	-.72427390E+03	.5327550E+03	-.11777770E+03	.37926780E+02	.8255890E+02	-.14840620E+03
	30	.21364430E+03	-.16028770E+03	.40928380E+03	-.11777770E+03	.37926780E+02	.8255890E+02	-.14840620E+03
	31	-.35822200E+02	.94029480E+02	-.30562270E+03	.13119630E+02	.13119630E+02	.29494410E+01	-.11374390E+03
	32	-.39721380E+02	-.15345020E+03	-.31193700E+03	.10222800E+02	.11141440E+02	.10122800E+02	-.10122800E+02
	33	-.80460830E+02	.35079600E+03	-.19449100E+03	.13194170E+02	.13194170E+02	.36941630E+02	.84663250E+01
	34	-.96732900E+02	.47985180E+02	-.1934440E+03	.10687480E+02	.10687480E+02	.48427020E+02	.59015720E+02
	35	.43780700E+01	-.34479600E+02	-.14150520E+03	-.8805840E+02	-.43277320E+02	-.12773810E+01	-.44095870E+02
III	36	.10350290E+00	-.17684280E+00	-.12592830E+00	-.90610400E+00	.28656770E+00	-.1772070E-01	-.40759490E-01
	37	.24589460E+00	-.12660900E+00	.12024900E+00	-.34337900E+00	-.95885840E+00	.10523720E+00	.10523720E+00
	38	.90262150E-01	-.16166690E+00	.7761810E-01	-.30133890E+00	-.81502030E+00	.4776107E-01	.19152750E+00
	39	-.43633370E-01	-.45944800E+00	-.87776700E+00	.14857950E+00	.80743650E+00	.60743650E+00	.60743650E+00
	40	-.18818380E-01	.28907620E+01	.30398960E+01	.43440620E+01	.47591800E+01	.28874370E+01	.6244490E+00
	41	-.44159470E+01	.23881110E+01	-.15146950E+01	-.38454410E+01	.29785770E+01	-.15834440E+01	-.53248260E+01
	42	-.32309030E+01	.89502210E+00	-.4320410E+01	.87577590E+01	.80544500E+01	.40780210E+01	.14046170E+01
	43	.49677990E+01	.32393840E+01	.21025330E+01	-.59927590E+00	.12679220E+01	.60339500E+01	-.24048290E+01
	44	.79537250E+01	.90703030E+01	-.36208450E+02	.54649340E+01	.14728200E+02	.51317600E+00	.2139380E+01
	45	.25598980E+02	-.11215900E+02	.15258230E+02	.71990060E+01	.1731350E+02	.68472700E+01	.31435960E+01
	46	.91917970E+01	-.41829300E+01	.63609510E+01	-.28448610E+02	.1914490E+02	.92426970E+01	-.11320480E+01
	47	-.19441550E+02	-.2410910E+01	.37010740E+01	-.35382010E+01	-.9434450E+01	.12445820E+02	.34593030E+01
	48	-.49852060E+01	-.45217830E+02	.94360300E+02	.34016360E+02	.16310010E+02	.16223600E+02	.21603390E+01
	49	-.49856000E+02	.45104990E+01	-.32765740E+02	.56631890E+01	.39134040E+02	-.11094810E+02	-.37493210E+01
	50	-.62810310E+01	.35491800E+01	-.5111160E+01	.24134400E+02	.13454700E+02	-.59598790E+01	.36172360E+00
	51	-.15244480E+02	.98793040E+00	-.80044700E+01	.59411850E+01	.84786500E+01	-.97989080E+01	.144650710E+01
	52	-.53591910E+01	.40702530E+02	-.67032910E+02	.24005370E+02	.38418890E+01	.16338130E+01	-.46071510E+00
	53	.29195160E+02	.35034820E+01	.21123040E+02	-.12331100E+02	.40586050E+02	.70674040E+01	.17044410E+01
IV	54	-.12366720E+00	.81605180E-01	.45605700E-01	-.38308220E-02	.17188650E+00	-.44811760E+00	-.8174980E+00
	55	.36292880E-01	-.14717720E+00	-.88916730E-01	-.96075310E-01	.70773110E-01	.88784480E+00	-.4444630E+00
	56	.30188940E+00	-.44046500E-01	.16834470E+00	-.18945870E+00	.47781100E-01	.2792490E+00	.9915150E-01
	57	.23244840E+00	.32868640E+00	-.4288403E+00	-.3055164E+00	.13423110E+00	-.73829710E-01	.131864250E+01
	58	.20033760E+01	-.80304120E+00	.440510720E+00	-.51121590E+00	.13168470E+01	.17336150E+01	.25647550E+01
	59	.20617630E+00	.23117720E+01	.20253220E+00	.17479380E+01	.37391870E+00	-.2749210E+01	.17125640E+01
	60	-.12412890E+01	.45052630E+00	-.26316610E+00	.81244530E+00	.27165610E+00	.54697220E-01	-.23109940E+00
V	61	-.99174320E+00	.15125320E+00	.13452370E+01	.40545740E+00	.17408110E+00	.65395510E-01	.19262640E+00
	62	-.24446820E+01	.17016470E+01	.11459120E+01	.10434360E+01	.19128650E+01	.12802400E+01	-.1879830E+01
	63	-.19106750E+01	-.41197850E+01	.60219650E+00	-.29508930E+01	.10810010E+01	.39657840E+01	-.3094192E+01
	64	.28300380E+02	.27225390E-01	-.19623190E-01	-.33098650E-01	.66252280E-01	-.16712350E-01	.2807430E+02
	65	-.17033360E-01	.81469270E-01	.10185760E+00	-.30463210E-01	-.11918210E-01	.13349930E-01	-.27961710E-01
VI	66	-.92113420E-01	.20088200E+00	.29832630E-01	-.90837600E-01	-.9419470E-01	.88007230E-01	.1194250E+00
	67	.37936020E-01	-.5951210E-01	.47477290E-01	-.69157970E-02	-.11244380E-01	-.22708120E+00	-.13194070E-01
VII	68	-.43706050E-01	-.90542010E-04	-.18841150E-01	-.20370990E-01	-.71404200E-01	-.14941130E-02	.14259650E-01
	69	-.57159070E-01	.30259970E-01	.14362550E-01	.65975320E-01	.54279470E-01	.50241150E-02	-.19117030E-01
VIII	70	.59947290E-02	-.39475800E-01	.26745340E-01	.10004110E-01	-.6539423E-01	.25491170E-01	-.41820920E-01
	71	-.26496330E-01	-.17099400E-01	.58232120E-01	.22953970E-01	.24510920E-01	.21634170E-02	-.12454390E-02
IX	72	-.41406230E-01	.13043130E-01	.76806320E-03	.74448390E-01	.53405050E-02	-.17069530E-01	.2824230E-01
	73	.68838550E-02	.21039320E-01	.21449300E-01	-.41794200E-02	-.14011990E-01	.15382170E-01	-.24187180E-01
X	74	-.15893740E-01	.17502710E-01	-.19624410E-02	.52351940E-01	.14944130E-01	.389380E-01	-.11357750E-01
	75	-.40223810E-01	.43901750E-01	-.34002550E-01	.19005420E-01	.7514770E-02	-.11975260E-01	-.21311370E-01

Table B.3 Coefficients to Represent the Global Variation of the Median Value of foF2 for March 1976 (Continued)

HARMONIC		4		5		6	
	$\frac{S}{K}$	7	8	9	10	11	12
I	0	.36886720E-01	.49904190E-02	-.87761160E-03	.16039800E-03	.43512340E-02	.77663780E-01
	1	.24797710E+00	.31424350E+00	.15891790E+00	-.10646750E+00	.11990010E-01	-.52338200E-01
	2	.12920032E+00	-.71688660E+00	-.16641540E+00	.19213980E+00	-.21244920E+00	-.52273030E+00
	3	-.20755880E+01	.36675250E+01	.60977020E+01	.29493370E+01	-.98394210E+01	.12675510E+01
	4	-.35449220E+01	.47557260E+01	.27705100E+01	-.18614540E+01	.44780450E+00	.39030020E+01
	5	.27204240E+01	.12632660E+02	-.94665050E+00	-.14665130E+02	.14657520E+01	-.61649400E+01
	6	.12594880E+02	-.11934500E+02	-.96039001E+02	.25034701E+01	.20172701E+00	-.96484100E+01
	7	.71145940E+01	-.21684270E+02	.79818260E+01	.34976310E+02	-.94094940E+01	.12581900E+02
	8	-.76304890E+02	.12947560E+02	.12204350E+02	-.69527160E+01	-.17558450E+01	.11121830E+02
	9	-.16894300E+02	.18059920E+01	-.12253600E+02	-.35685300E+02	.7081815E+01	-.11846650E+02
	10	.71249200E+01	-.45499270E+01	-.52436670E+01	.27472170E+01	.82646503E+00	-.5356170E+01
	11	.89321750E+01	-.57768800E+01	.97987310E+01	.13214850E+02	-.1079707E+01	.6261080E+01
II	12	-.20144970E-01	-.32218310E-02	.90342030E-02	-.24394900E-03	-.43219680E-02	.28964480E-02
	13	.59504970E-01	.1942410E-01	.1875230E-01	.10244790E-01	-.68355720E-02	.6723380E-01
	14	-.21435030E+00	.77636230E-02	.21495840E+00	.22395930E+00	.24918020E+00	-.77126320E-01
	15	.11059720E+00	-.87814040E-02	.20667660E+00	-.37597600E+00	-.30999330E-01	.17813560E+00
	16	-.60635940E+00	.18826560E-01	-.60601500E-01	.7072310E-01	.1797340E+00	-.8849490E-01
	17	-.46371770E+00	-.10611500E+01	-.12187640E+00	-.66691000E+00	.20477070E+00	-.25129480E-01
	18	.76853350E+01	.35767900E+00	-.42353130E+01	.4276560E+01	-.3638940E+01	.16222760E+01
	19	-.24247660E+01	.44607000E+01	-.4700220E+01	.7504220E+01	.6018830E+00	.10729900E+01
	20	.14021820E+01	-.26462670E+01	-.93626820E+00	-.60891800E+00	-.65292550E+00	-.11962570E+01
	21	.72175110E+01	.11466370E+02	.25184470E+00	.28516710E+01	-.26637680E+01	.12133050E+02
	22	-.2164940E+01	.2737770E+02	.2737770E+02	.3776740E+02	-.90971300E+01	-.90971300E+01
	23	.15150940E+02	.14499770E+02	.2782890E+02	-.1915020E+02	.7125940E+00	.61272010E-01
	24	-.18547650E+01	.17074490E+02	.31682350E+01	.21354550E+01	.25351120E+01	.2597690E+01
	25	.36021670E+02	.29363320E+02	.19540100E+01	-.51764450E+01	.10368140E+02	-.3660660E+02
	26	.11195140E+03	-.25214640E+02	-.7638540E+02	-.61661950E+02	-.10231250E+03	.2236510E+02
	27	.30535050E+02	.9094090E+02	.3963360E+02	.7456150E+02	-.1016680E+01	.38499630E+01
	28	.54831260E+01	.32508770E+02	-.36471260E+01	.36604970E+01	-.3713610E+01	.70593250E+00
	29	.61697760E+02	.51844110E+02	.20179180E+01	.4184440E+01	-.1592830E+02	.6643110E+02
	30	-.14511370E+03	.34786210E+02	.66964270E+02	.6607480E+02	.12141500E+03	-.2316610E+02
	31	.6237810E+02	-.9492220E+02	.3246680E+02	-.6093060E+02	.12417170E+02	.18062970E+01
	32	-.2104930E+01	.1908410E+02	.93264970E+02	.21991980E+01	.14202170E+01	-.12116120E+01
	33	-.1361960E+01	-.23020350E+02	-.41466950E+01	-.10162120E+01	.69321310E+01	-.26766300E+02
	34	.60315210E+02	.16795140E+02	-.44718330E+02	-.27509320E+02	-.35206150E+02	.80951960E+01
	35	-.15901910E+02	.39168110E+02	-.15939450E+02	.21066180E+02	-.79579410E+01	-.27067360E+01
III	36	.92796070E-02	-.46594270E-01	-.1278930E-02	-.43674520E-02	-.12966360E-01	-.2493530E-01
	37	.59602460E-01	.70846810E-01	.10071040E-01	.36794920E-02	-.14728880E-01	.23012700E-01
	38	-.12681510E+00	.27579310E-01	-.10382060E+00	-.89673170E-01	-.10416230E+00	.37891190E-01
	39	-.14453800E+01	.22492110E+01	-.12939000E+00	.24024270E+00	.23564820E+00	-.6232110E-01
	40	.14453800E+01	.1274490E+01	-.76024510E-01	.72736650E-02	.46342110E+00	.78776020E+00
	41	.13942820E+01	-.44422940E+00	.90378430E+03	.32311670E+00	.11918600E+00	.44666350E+00
	42	.14006660E+01	.19427260E-01	.6243910E+00	.90190160E+00	.69262350E+00	-.9334440E-01
	43	.77622070E+00	.36389210E+01	.17907460E+01	.1737110E+01	-.21766450E+01	.35843750E+00
	44	.64201910E+01	.73727980E+01	-.4871890E+00	.69626770E+00	-.2105940E+01	-.46835660E+01
	45	-.86779160E+01	-.76294010E+01	-.6736920E+01	.3372252E+01	-.97391130E+01	.23818130E+01
	46	.97031710E+01	.14618450E+01	-.11118130E+01	-.1915820E+01	-.14318220E+01	.3007790E+00
	47	.17101280E+01	-.83761050E+01	-.49664950E+01	-.14001410E+01	.33219950E+01	-.87906260E+00
	48	.17709770E+00	.7154710E+01	.3062710E+01	-.22928370E+01	.10103750E+01	.87190140E+01
	49	.18526590E+02	.5980890E+01	.1444240E+02	.78632440E+01	-.11696250E+01	-.61191730E+01
	50	.6870640E+01	.21228210E+01	.6037160E+00	.0794720E+00	.0295760E+00	-.41635130E+00
	51	.37331160E+01	.58319610E+01	.3636410E+01	.18911180E+01	-.3931190E+01	.89442130E+00
	52	.19696320E+00	-.70900380E+01	-.27514350E+01	.2105736E+01	-.1207460E+01	-.92070390E+01
	53	-.10277770E+02	-.49233980E+01	-.61161150E+01	-.3183310E+01	.12291940E+01	.2619620E+01
IV	54	.23695740E-01	-.32101060E-01	.7421040E-02	.9057890E-03	.20768020E-01	-.67177610E-02
	55	.3789940E-01	.47144460E-01	-.1500970E-01	-.8728350E-02	.24397680E-01	-.8642210E-02
	56	.19108310E+00	.71777850E-01	.71374820E-01	.11131010E+00	-.36676030E-01	-.28023910E-01
	57	-.36146360E-01	.06648180E-01	-.17869820E+00	-.69735920E-01	.61114950E-01	-.28931660E-02
	58	-.17643760E+00	.24098440E+00	.79005590E-01	.59673070E-01	-.14070420E+00	-.94983290E-01
	59	-.2893760E+00	.46646910E+00	.21610430E+00	.16074650E+00	-.10172330E+01	.62973270E-02
V	60	.2286470E+00	.60944200E-01	-.17139720E+00	-.22102060E+00	.2642940E-01	-.18629660E-01
	61	-.14802110E+02	-.10319210E+00	.18631610E+00	.7147920E+00	.28946670E-01	.28946670E-01
	62	.38943810E+01	.2776770E+01	-.2461280E+00	-.15294150E+00	.1607470E+01	.1105970E+00
	63	.39413250E+00	.79420640E+00	-.19187940E+00	-.16944260E+00	.2629740E+01	.12424620E+00
VI	64	.33264390E+00	-.16494150E+00	.68867750E-02	-.71799620E-02	-.43042670E-02	-.1216810E-02
	65	.16377550E+00	.31277070E+00	-.1584630E-02	.13471060E-01	-.6311490E-02	-.92831760E-01
	66	-.1119360E+00	.2420910E-01	-.7838700E-02	.1761960E-01	.2411140E-02	.17681580E-01
VII	67	.60817960E-01	.1967160E-01	.21962270E-02	-.6322634E-01	-.6189640E-02	.96163050E-02
	68	-.23914910E-01	-.13796150E-01	.11266120E+00	.21383830E+00	-.61632130E-02	-.33698140E-01
VIII	69	.19295960E-01	.22796770E-01	-.22676440E+00	.12344410E+00	.11736431E-01	.30946410E-02
	70	-.23483830E-01	.09128570E-02	.1462814E-01	.2861610E-01	-.13618310E+00	.77794660E-01
IX	71	-.2005064E-01	.10091040E-02	-.13341650E-01	.67918150E-02	-.32779210E-01	-.13444710E+00
	72	.4221070E-01	.14132010E-01	-.76982760E-02	-.11117240E-02	-.46172620E-02	.16269160E-01
X	73	-.2044960E-01	.27991240E-01	.07070310E-01	-.17773060E-01	.45371120E-02	-.27918170E-02
	74	.73669510E-02	-.74769130E-02	.1179920E-01	.24030310E-02	.1882970E-01	.6802940E-02
	75	-.15702840E-01	.2176770E-01	-.77500690E-02	-.16418660E-01	-.7703910E-02	-.24606170E-02

Table B.4 Coefficients to Represent the Global Variation of the Median Value of foF2 for April 1976

HARMONIC		0	1	2	3	4	5	6
	$\frac{S}{K}$	0	1	2	3	4	5	6
I	0	.8844330E+02	-.5414014E+01	.14250850E+00	-.4457448E-01	.1227790E-00	-.4205194E-01	-.8094551E-02
	1	-.7304819E+00	-.1979200E+01	.12208730E+01	-.4404711E+00	.2732520E-01	-.5837192E-02	.2429334E+00
	2	.1471782E+02	.1072350E+01	.31521320E+00	-.31200230E+00	-.2556193E+01	-.8544191E+00	-.2710390E+00
	3	.6710210E+01	-.1818320E+02	-.2095250E+02	.16428950E+02	-.2520211E+01	.1057840E+01	-.2779740E+01
	4	-.1018440E+03	.1754960E+01	-.9419608E+01	-.6932350E+01	-.8281643E+01	.6420950E+01	-.4953040E+01
	5	-.1174135E+02	-.7112180E+02	.3124670E+02	-.1013880E+03	.2494237E+02	-.7151100E+01	.2054950E+02
	6	.2014485E+03	-.1812630E+02	.3784370E+02	-.2553675E+02	-.4454517E+00	-.2705921E+02	.3201015E+02
	7	.4636750E+01	.1637780E+03	-.9231472E+02	.2324278E+03	-.9717000E+02	.1548818E+02	-.5902265E+02
	8	-.1445389E+03	.2624578E+02	-.7149420E+02	.3205418E+02	-.6433500E+01	.3352494E+02	-.3464740E+02
	9	.4434780E+01	-.1730240E+03	.4292171E+02	-.2278611E+03	.1072287E+01	-.1370462E+02	.6054790E+02
	10	-.6402240E+02	-.1048090E+02	-.2482210E+02	-.1121761E+02	-.6123117E+01	-.1351227E+02	.8633524E+01
	11	-.2770408E+01	.4502381E+02	-.1403022E+02	.4871057E+02	-.4440491E+02	-.4439794E+01	-.2351207E+02
II	12	-.1810030E+00	.1490887E+01	.1260517E+01	.1375257E+01	-.8134895E-02	.3582549E-01	.1140920E+00
	13	-.1723250E+00	-.1280780E+01	.1691180E+01	.1704655E+01	.1324171E+00	-.4373098E-01	-.1479117E+01
	14	.9784020E+00	-.1076520E+00	.1514813E+01	.1252489E+00	.1371139E+01	-.1025688E-00	.4049196E+00
	15	-.7277780E+00	-.5544440E+00	.1438618E+01	-.1085497E+01	.5013089E+00	.1494184E-00	-.2721300E+00
	16	.1400721E+01	.1004240E+02	-.1494380E+01	-.1042494E+01	-.7241110E+00	.1927748E-01	.7071121E+00
	17	.6042102E+01	-.8236430E+00	.9244358E+01	.3941090E+00	.2432435E+01	-.2506240E-01	.1004475E+01
	18	.1304186E+02	.1152032E+01	-.1259480E+02	.74481130E+00	-.5844010E+01	.1922193E+01	-.9941240E+01
	19	.1024788E+02	.1524782E+02	-.3131470E+01	.5932516E+01	-.1578213E+02	.1503774E+01	-.1377481E+02
	20	-.1110074E+02	-.6140480E+01	.1875582E+02	-.6812770E+01	.2781290E+01	-.1114102E+02	.1358191E+01
	21	-.1040348E+02	-.1216058E+03	-.1207590E+02	.1318567E+02	.1105523E+02	.2352140E+02	.1762971E+02
	22	-.6451750E+02	.3834413E+02	.4441938E+02	-.3273077E+02	.6947758E+01	-.1134460E+02	.4427666E+02
	23	-.5254538E+02	-.8110516E+02	.3243880E+01	.5829517E+01	.7529436E+02	.7278121E+02	.4451310E+02
	24	-.1379019E+03	-.1214973E+03	-.4436121E+03	-.3167793E+03	.1742925E+02	.2632301E+02	.9218845E+01
	25	.9082386E+01	.5613226E+03	-.1282980E+03	.6157027E+02	.1840531E+02	.1008454E+02	-.5588450E+02
	26	.1484268E+02	.1190221E+03	-.1750430E+03	.1264090E+03	.7175910E+01	.1053584E+02	.1494827E+03
	27	.9875830E+02	.1587918E+03	.5314980E+03	.9327240E+02	.1275124E+03	.6140203E+02	.1422287E+03
	28	.2106711E+03	.3173496E+03	.1830249E+03	-.1839215E+03	.2142035E+02	.2188643E+02	.1374486E+02
	29	-.4493516E+03	-.8404187E+03	.2447350E+03	.4989432E+02	.1055534E+03	.9959015E+02	.1221791E+03
	30	-.1488718E+03	.2807880E+03	.9881040E+02	-.1167175E+03	.2879440E+02	.2716367E+02	.1427140E+03
	31	-.6138079E+02	.1139123E+03	-.2816369E+02	.1236337E+03	.9110495E+02	-.9784950E+02	.1222350E+03
	32	-.9791917E+02	.1728490E+03	-.3382879E+03	.1318194E+02	.8740413E+01	.1221870E+02	.9707457E+02
	33	.3704448E+03	.4100434E+03	-.1721370E+03	.3594521E+02	.1313718E+02	.4294584E+02	.4304215E+02
	34	.7498248E+02	.1412124E+03	-.2470259E+02	.1395114E+02	.1355417E+02	.1640979E+02	.4800239E+02
	35	.3483738E+02	.1928840E+02	.1914073E+02	-.6400778E+02	-.2375035E+02	.1212126E+02	-.9101330E+02
III	36	.3160320E+03	-.1493115E+02	-.4293880E+01	-.8691141E+00	.1449711E+01	-.1340145E-02	-.3352440E-01
	37	.1440246E+03	-.4036180E+01	.2888185E+00	-.2488779E+00	-.9108543E+00	-.2451744E-01	.2415143E-01
	38	-.4031496E+00	.1019721E+01	.3120551E+01	.6728741E+00	-.1544377E+01	.4447233E+00	-.2035122E+00
	39	-.8444440E+01	-.3215007E+00	.6811444E+00	-.2781091E+00	.9331161E+00	.4330940E+00	.8717133E+00
	40	-.1790840E+01	.4406307E+01	.1471960E+00	.1823388E+01	.4708580E+01	.2911210E+00	.1018030E+01
	41	-.1438378E+01	.6169473E+01	-.4256502E+01	-.4482321E+01	.4478204E+01	.1340302E+01	-.1419460E+01
	42	.1181870E+01	-.8134130E+01	-.2340960E+02	.3841761E+01	.7821418E+01	.3741918E+01	.8464430E+01
	43	-.1013107E+01	-.3352350E+01	-.6674302E+01	.6644849E+01	.1394113E+01	.2750284E+01	.2733923E+01
	44	.2350750E+02	-.6161304E+01	.1051124E+02	.1464440E+02	.1798745E+02	.2517885E+02	.4662316E+02
	45	.2376610E+02	-.1142414E+02	.2440203E+02	.2057192E+02	.1160222E+02	.1160593E+02	.7760270E+01
	46	-.2311407E+01	.1711164E+02	.2702540E+02	-.2488157E+02	.1131574E+02	.9338714E+01	.7291012E+00
	47	.1319171E+01	.1041877E+02	.13702350E+02	-.7428245E+02	-.1444484E+02	.3464059E+01	.1378278E+01
	48	-.1328172E+02	-.5041777E+02	.3748302E+02	-.9131940E+02	.2731100E+02	.9442840E+01	.7442840E+01
	49	-.4464940E+02	.1240177E+02	.6137094E+02	.2401050E+02	-.5884000E+02	.1122413E+02	-.1327462E+02
	50	.2464840E+01	-.1443437E+02	-.2042420E+02	.1152174E+02	.1589310E+01	.7474444E+02	-.2541216E+02
	51	-.3420495E+01	-.8187117E+01	-.1012340E+02	.2354930E+02	.8718400E+01	.2432444E+01	.1301940E+01
	52	.1370254E+02	.2202110E+02	-.2440350E+02	.6318277E+02	.5314712E+01	.8240910E+01	.4018000E+01
	53	.3013318E+02	.3642181E+01	.2443240E+02	.1130341E+02	.6744897E+02	-.2097391E+02	.7192142E+01
IV	54	.3249750E+02	.1224412E+03	.1499474E+01	-.1534400E+00	-.2477819E+01	-.3340380E+00	-.7476495E+00
	55	.6284404E+01	-.1124411E+00	-.2194722E+01	-.9294880E+01	-.2710750E+00	.8246712E+00	-.3463405E+00
	56	-.2244444E+01	.3146100E+00	.3457937E+00	-.3397407E+00	.1491138E+01	.2799572E+00	.1464444E+00
	57	.2124444E+00	-.1111111E+00	-.3348118E+00	-.1162459E+00	-.9444832E+00	.1244444E+01	.2444444E+00
	58	.6841822E+00	-.8844900E+00	-.6148411E+00	.1162074E+00	-.3236192E+01	.7423138E+01	.1412150E+01
	59	.9451101E-01	-.1615710E+01	-.2719978E+00	.1318748E+01	.1770179E+01	.1257076E+01	.1127021E+01
	60	-.6444444E+00	.8044270E+00	-.1034440E+01	.1137840E+01	.1173213E+00	.1186447E+00	.8241400E+00
V	61	.7333432E+00	.1023441E+01	.1344530E+01	.4424082E+00	.1119234E+01	.3707287E+00	.2244444E+00
	62	-.9347908E+00	.1075920E+01	.9291116E+00	.5106431E+00	.1424918E+01	-.1191347E+00	.1991347E+00
	63	-.9145070E+00	-.2676706E+01	.8473487E+01	-.2467444E+01	-.2246094E+01	.1479120E+01	-.4733214E+00
	64	-.2314558E+01	.7460308E+01	-.3474114E+01	-.1721840E+01	.1233957E+01	.4482444E+01	.1740328E+01
VI	65	-.5279318E+01	.6058427E+01	.2738418E+01	-.4467707E+01	-.2725420E+01	.1604420E+01	.4324416E+01
	66	-.2847840E+01	-.1393440E+01	-.1693378E+01	-.9331133E+01	-.4401447E+01	.7924031E+01	.1464444E+01
VII	67	.1919790E+00	.1460420E+01	-.2648900E+00	.1168178E+00	-.9921440E+01	.7444421E+01	.1473301E+01
	68	-.8612401E+02	-.9370418E+01	.2120551E+01	.2773825E+01	-.7121181E+01	.1819113E+01	.2779191E+01
VIII	69	-.3273378E+01	.2324864E+01	.1201844E+01	.0120900E+01	.1371737E+01	-.5704146E+01	.1032126E+01
	70	.1444444E+00	.2444444E+00	.2444444E+00	.1444444E+00	.1444444E+00	.1444444E+00	.1444444E+00
IX	71	.1444444E+00	.2444444E+00	.2444444E+00	.1444444E+00	.1444444E+00	.1444444E+00	.1444444E+00
	72	.1444444E+00	.2444444E+00	.2444444E+00	.1444444E+00	.1444444E+00	.1444444E+00	.1444444E+00

Table B.4 Coefficients to Represent the Global Variation of the Median Value of foF2 for April 1976 (Continued)

HARMONIC		4		5		6	
	K/S	7	8	9	10	11	12
I	0	.3180430E-01	.9491174E-02	.5305547E-01	-.2811720E-01	.7547948E-03	-.1512490E-01
	1	.3471004E+00	.2884707E+00	-.1894519E+00	.3447555E-01	.1094940E+00	.3548020E-01
	2	.6015211E+00	-.2506247E+00	-.1139405E-01	.4479883E+00	.2143299E+00	.3987027E+00
	3	-.3906093E+01	-.3793013E+01	.3590780E-01	-.6430315E+00	-.2036142E+01	-.1626134E+01
	4	-.3903840E+01	.2312594E+01	.7010318E+01	-.1142451E+01	-.1254499E+01	-.1847537E+01
	5	.1333495E+02	.1203120E+02	-.1742151E+02	.4057400E+01	.1127503E+02	.6728110E+01
	6	-.1115870E+02	-.6476170E+01	-.1822710E+02	.4424471E+00	-.2553253E+01	.2666974E+01
	7	-.1674817E+02	-.1885940E+02	.3505114E+02	-.1109933E+02	-.2557175E+02	-.1942775E+02
	8	-.1244211E+02	.7132375E+01	.2064033E+02	-.3240210E+01	-.2147491E+01	-.4040512E+00
	9	.3702017E+01	.1110771E+02	-.3180742E+02	.1119317E+02	.2547952E+02	.1820104E+02
	10	.3543560E+01	-.2674443E+01	-.8299374E+01	-.1165774E+01	-.3316731E+00	-.6067327E+00
	11	.1350069E+01	-.1839712E+01	-.1028904E+02	-.3557531E+01	-.3706493E+01	-.6052514E+01
II	12	-.3011390E-01	.1823047E-01	-.2744626E-02	-.4547662E-01	.5547387E-01	.9959367E-02
	13	.4401403E-01	.3867869E-03	-.2766487E-01	-.2226228E-01	.3591722E-01	.2001018E-01
	14	-.3259188E-01	-.8291247E-01	-.1340714E+00	-.8279588E-01	.2499025E+00	-.8774637E-01
	15	-.4259741E+00	.4377940E+00	.4627475E+00	.4394020E+00	-.1027348E+00	-.404124E+00
	16	.1504030E+01	.3944368E+00	-.5784830E+00	-.1114413E+01	.1815949E+01	-.4272750E+00
	17	-.6630043E+00	-.1427481E+00	.1520423E+01	.7926719E+00	.1615355E+01	-.1001463E+01
	18	.4027846E+00	-.3714017E+01	.1519110E+01	.4391945E+00	.4317189E+01	.1913490E+01
	19	.9980577E+01	-.3493591E+01	-.2201971E+01	-.9318934E+01	.3470505E+01	.9671024E+01
	20	-.3277323E+01	-.2731174E+01	.2400520E+01	-.9021067E+01	-.9097174E+01	.4488818E+01
	21	.3442270E+01	.7019135E+01	-.1140476E+02	-.4333890E+01	-.1120289E+02	.6911176E+01
	22	-.8131649E+01	.3540403E+02	-.2437434E+02	.8828830E+01	-.1805787E+02	-.1308400E+02
	23	-.6240101E+02	.1242545E+02	.2029464E+02	.5432502E+02	-.2162846E+02	-.3243775E+02
	24	.2147670E+01	.1043347E+02	-.7589187E+01	.3300359E+02	.2238493E+02	-.1702236E+02
	25	-.2181574E+02	-.7491781E+02	.3072024E+02	.9018814E+01	.3290900E+02	-.2846281E+02
	26	.3439346E+02	-.1232702E+03	-.6910049E+01	-.2427443E+02	-.3824844E+02	.3764432E+02
	27	.1597482E+01	-.2427910E+02	-.6219491E+02	-.1297524E+02	.3588970E+02	-.1240491E+02
	28	.4782237E+01	-.1957130E+02	-.1209090E+02	-.4918292E+02	-.2468265E+02	-.1777594E+02
	29	.4166695E+02	.3492318E+02	.2489479E+02	-.9182144E+01	.4062251E+02	.3756597E+02
	30	-.4762900E+02	.1354461E+03	.2113333E+02	.4014574E+02	.3781194E+02	-.4011117E+02
	31	-.1789947E+03	.2964771E+02	.7639618E+02	.1371140E+03	-.1903147E+02	-.1360056E+03
	32	-.6469031E+01	.1214253E+02	.1066482E+02	.2160200E+02	.7461196E+01	-.1488064E+02
	33	-.2478345E+02	-.1579544E+02	.1430912E+02	.3346641E+01	.1702923E+02	-.1733444E+02
	34	.2104014E+02	-.6051278E+02	-.1357186E+02	-.7384231E+02	-.1445936E+02	.1360207E+02
	35	.7303134E+02	-.1357518E+02	-.3285438E+02	-.3531388E+02	.2592774E+02	.5020411E+02
III	36	.1825542E-01	.2447866E-01	-.1947218E-01	-.2394254E-01	-.1874100E-01	.2146627E-01
	37	-.2923277E-01	-.3767127E-01	-.7867880E-02	.9249124E-02	-.2037142E-01	.3438838E-02
	38	-.2812900E+00	-.2596174E+00	-.3048599E+00	-.8059111E+00	-.1244846E+00	.3443300E+00
	39	-.3117380E+00	-.5712946E+00	-.1405410E+00	-.1244837E+00	-.1278943E-01	-.9612239E-01
	40	-.4790335E+00	-.2577319E+00	.4764014E-01	.3580159E+00	.4590636E+00	.4440493E+00
	41	-.9216720E+00	.1004929E+01	-.1109943E+00	-.4710951E-01	.6719077E+00	.1347182E+00
	42	.1403917E+01	-.2410230E+01	-.1372447E+00	.1819907E+00	.2033302E+01	-.2397910E+00
	43	.1919678E+01	.5137434E+01	.9132264E+00	.5318829E+00	.2490117E+00	.1344056E+01
	44	.5404027E+01	.2043239E+01	.6161910E+01	-.1827138E+01	-.3194316E+01	-.1689418E+01
	45	.5524260E+01	-.4231545E+01	.1882733E+01	.1610314E+01	-.6474902E+01	-.9002578E+00
	46	-.2771449E+01	.5401396E+01	.5493778E+00	-.1248677E+01	.5793843E+01	.5196235E+00
	47	-.2831424E+01	-.1140083E+02	-.1347027E+01	.7147939E-01	.1334797E+01	-.3870043E+01
	48	-.1303040E+02	-.3091278E+01	-.2045630E+01	.4691835E+01	.8001932E+01	.8460248E+01
	49	-.4448389E+01	.6044875E+01	.2400304E+00	-.4793043E+01	.0317937E+01	-.3349183E-01
	50	-.2494511E+00	-.3191042E+01	.3492919E+00	.1174773E+01	.4441107E+01	.6914426E-01
	51	.9135024E+00	-.7711907E+01	-.4548402E+00	-.9579402E+00	-.1693219E+01	.2662707E+01
	52	.9348750E+01	.3542864E+01	.1148610E+01	-.3113825E+01	-.6057981E+01	-.4232816E+01
	53	.4314790E+01	-.2736324E+01	-.4618212E+00	.3244384E+01	-.5597110E+01	.1242494E+00
IV	54	-.3105030E-01	.3730280E-01	.9082208E-02	.9116711E-02	-.4015341E-01	-.3740915E-01
	55	-.1269774E-01	-.1619882E-01	-.1037730E-01	-.1784950E-01	-.7425197E-02	.1390224E-01
	56	.2050514E+00	-.6541326E-01	.1705240E+00	.7678958E-01	.3017791E+00	-.1064410E+00
	57	.7494959E-01	.1012198E+00	-.1471114E+00	.9705473E-01	.1832738E-01	.2402949E-01
	58	-.1214803E+00	.7133227E+00	.6147933E+00	-.2494984E+00	.3498730E+00	.1010074E+00
	59	-.3407071E+00	.3030117E+00	.1461683E+00	.3070774E+00	.2392619E+00	-.1468294E+00
	60	-.2394844E+00	.3191147E+00	.2664492E+00	-.1865723E+00	.6817010E-01	.2393283E+00
V	61	-.2111132E+00	-.3400238E+00	.2879593E+00	-.2038138E+00	.4930479E+01	-.3185848E+00
	62	.3381822E+00	-.1448454E+01	-.7253083E+00	.5015946E+00	.4043021E+00	-.1887611E+00
	63	-.1049724E+01	.1994444E+01	-.4693212E+00	-.6805126E+00	.6731012E+00	.4040354E+00
	64	.2679493E+00	-.6855241E-01	-.3398222E-01	.4266113E-02	.9008666E-02	-.2394261E-01
VI	65	.7507497E-01	.2819441E+00	-.1402734E-01	-.3184924E-01	.3394521E-02	.6407214E-01
	66	.6477231E-01	.4592912E+00	-.4644187E-02	.5264439E-02	.7749532E-01	.6825078E-01
	67	-.6342274E-00	.7491493E-01	.5261424E-01	-.3740931E-01	.4496179E-01	-.3725494E-01
VII	68	.1297412E-02	-.5235740E-01	-.1339270E+00	.2164770E+00	-.1564144E-01	-.2023611E-02
	69	.9744939E-01	.1170339E+00	-.2170311E+00	.1144306E+00	-.1094538E-01	.3770712E-01
VIII	70	.1334902E-01	.2531357E-01	-.2749683E-01	.5332491E-01	-.1170143E+00	.4499916E-01
	71	-.1447437E-01	.1413080E-01	-.6441449E-01	.1028932E-01	-.2761573E-01	-.1438786E+00
IX	72	.1023213E-01	.2532535E-01	.7174730E-02	-.1482346E-01	.7894781E-01	-.2490311E-02
	73	-.1373447E-01	.1425774E-01	.1674734E-01	-.1815720E-01	.1731233E-01	-.7643177E-02
X	74	.6674874E-02	-.1494931E-02	.2127181E-02	.1498494E-02	.2110062E-01	.4077747E-01
	75	.2154793E-01	-.1111477E-01	-.1746516E-01	-.2602111E-01	-.7404163E-02	.1001449E-01

Table B.5 Coefficients to Represent the Global Variation of the Median Value of foF2 for May 1976

HARMONIC		0	1	2	3	4	5	6
S	K	0	1	2	3	4	5	6
		0	1	2	3	4	5	6
I	0	-.5921176E+01	-.2012841E+00	.1896983E+00	.3187899E-01	.1135287E+00	-.9481611E-02	-.3339673E-02
	1	-.5807338E+00	-.8540317E+00	.6382234E+00	-.5811511E+00	-.2096080E+00	.3591517E-01	.2677246E+00
	2	.1089241E+02	.1107693E+01	-.3715120E+00	.2236498E+00	-.1977511E+01	-.1009662E+01	.1232137E+00
	3	.1837202E+02	.9522220E+01	-.5074210E+01	.1258750E+02	.3147123E+01	.3247917E-01	-.3043272E+01
	4	-.7705973E+02	-.1408866E+02	-.1625900E+01	-.1109013E+01	.1521110E+02	.7036127E+01	-.1135523E+00
	5	-.4140476E+02	-.4414920E+02	.9041000E+01	-.7369817E+02	-.1575290E+02	.1859760E+00	.1961512E+02
	6	.1405302E+01	.5610493E+01	.8248177E+01	.3309095E+01	-.2735993E+02	-.1601303E+02	-.3302330E+00
	7	.5235520E+01	.9039017E+02	-.5840116E+01	.1672372E+01	.8241621E+02	-.2112677E+01	-.4606590E+02
	8	-.2187976E+03	-.7407142E+02	-.1174056E+02	-.6200186E+01	.2259500E+02	.1842127E+02	.1778113E+01
	9	-.3606495E+02	-.4075639E+02	.3012789E+01	-.1628600E+01	-.4284740E+02	.3269263E+01	.3694751E+02
	10	-.2066770E+02	.3320950E+02	-.3394880E+01	.3927034E+01	-.7504894E+01	-.3870086E+01	-.4042650E+00
	11	-.4240382E+02	.7592502E+02	-.2019173E+01	.5738127E+02	.2391729E+02	-.1369633E+01	-.1238718E+02
II	12	-.2294106E-01	.1495980E+01	.2044265E+01	.1729408E+00	-.1197145E+00	.3355740E-01	.1213915E-01
	13	-.1693186E+00	-.1375724E+01	.1597397E+01	.7842137E+01	.1589520E+00	-.9214543E-02	.1109726E+01
	14	-.4927177E+00	.8593960E-01	-.4037127E+00	.1002258E+01	-.3595918E+00	.3278390E-01	.1273146E+00
	15	-.1151185E+01	.8459550E+00	.7626304E+00	.2184083E+00	.5071504E+00	.2932363E+00	.4766460E+00
	16	-.3825443E+01	.7004987E+00	.3498645E+01	.9994634E+00	-.1154317E+01	.2377680E+00	.3355740E+00
	17	.6757055E+01	-.6211940E+01	.3263222E+01	-.3080326E+00	.9528045E+00	-.1749781E+01	.9013516E+00
	18	.1145738E+02	.1080976E+02	.1278245E+01	-.1838120E+02	.1155871E+02	-.2789430E+01	-.2196246E+01
	19	-.2112676E+02	.3519132E+01	.9876850E+01	-.2725782E+01	-.1250760E+02	.8484920E+01	.9423811E+01
	20	-.3452181E+02	.1795701E+02	.3487205E+02	-.1612010E+02	.1121712E+02	-.1024530E+02	-.6212507E+01
	21	-.4594552E+02	-.6375084E+02	.7039670E+02	-.2016732E+01	-.1549795E+02	.1255363E+02	.1155347E+01
	22	-.8214480E+02	.3380742E+02	.7866245E+01	.7772167E+02	-.7014200E+02	.1658620E+02	.1305115E+02
	23	-.1010264E+03	-.1000441E+02	-.2176171E+02	.2458531E+02	.7537060E+02	.5962220E+02	.4114076E+02
	24	-.1145042E+03	-.1378953E+03	-.2706229E+03	.8468780E+02	-.4477180E+02	.4355198E+02	.1922751E+02
	25	-.1372106E+03	.1183140E+03	-.1878610E+03	.1586430E+02	.5012004E+02	-.3984270E+02	.4873051E+02
	26	-.1468187E+03	.1746783E+02	.1879718E+02	-.1530480E+03	.1749020E+03	-.4030586E+02	-.4497940E+02
	27	-.1764703E+03	-.7324746E+02	.4739350E+02	-.8243540E+02	-.1878693E+03	-.1413070E+03	-.8527340E+02
	28	.1698904E+03	.2418740E+03	.4332060E+03	-.4915440E+02	.6192570E+02	-.6133170E+02	-.2133280E+02
	29	-.1832423E+03	-.7048913E+03	.3518837E+03	-.2960496E+02	-.5142001E+02	.3898787E+02	.1359570E+02
	30	-.2658641E+03	.2730586E+02	-.8253314E+02	.1378550E+03	-.1482221E+03	.4428880E+02	.6726305E+02
	31	-.1052797E+03	.1219864E+03	-.7597850E+02	.1084004E+03	.2505471E+03	.1802007E+03	.7483752E+02
	32	-.8837705E+02	-.1262348E+03	-.2278407E+03	.3203305E+02	-.2481994E+02	.1271174E+02	.7592546E+01
	33	.4961446E+02	.3717436E+03	-.1936650E+03	.1626178E+02	.2727171E+02	-.1243171E+02	-.1413711E+02
	34	.1773492E+03	-.2328062E+02	.5191431E+02	-.4811151E+02	.8115240E+02	-.2016170E+02	-.1211739E+02
	35	.7190701E+01	-.1454212E+03	.4593870E+02	-.4480677E+02	-.7789964E+02	-.6628941E+02	-.2590220E+02
III	36	-.2655850E+00	.2149769E+00	.2149876E+00	-.7384450E+00	-.2505940E+00	-.3811606E-01	-.7338733E-01
	37	.2882272E+00	-.2598900E+00	.1778253E+00	.1570073E+00	-.7071528E+00	-.5729962E-02	.1248493E-01
	38	-.2409114E+00	.1136629E+01	.9800619E+00	.6135820E+00	-.5551427E+00	-.5827194E-01	.3257308E+00
	39	.5282337E-01	-.1502512E+00	.2305234E+00	-.1064332E+00	.5244110E+00	.1872106E+00	.6178790E-01
	40	-.4336666E+01	.2932017E+01	-.1640733E+01	.3104369E+01	.2231740E+01	.1366412E+01	.7031376E+00
	41	-.2094645E+01	.2419181E+01	.1025770E+00	-.2516820E+01	.5940318E+01	.1278721E+01	.4127826E+01
	42	-.3247301E+01	-.1302584E+02	-.8104721E+01	.1377057E+01	-.3141362E+01	.8613979E+02	.1262060E+01
	43	.2000444E+01	-.1510641E+01	-.2284333E+01	.1063709E+02	.6279289E+01	-.1944022E+02	-.1020517E+01
	44	.1738710E+02	-.8330544E+01	.6328959E+01	.1087651E+02	-.6531200E+01	-.8444061E+01	-.2731310E+03
	45	-.8626471E+02	-.1143314E+02	-.7370740E+01	.1187640E+02	-.1402740E+01	-.1100531E+02	-.1049737E+02
	46	.1123181E+02	.3532653E+02	.1461972E+02	-.4262440E+01	.2453410E+02	.7386112E+02	.6432603E+00
	47	-.1105705E+02	.9813541E+01	.8439842E+01	-.3441650E+02	-.1787530E+02	-.2094430E+01	-.2351982E+01
	48	-.2338081E+02	-.6663607E+00	-.6502761E+01	-.4990149E+01	-.1881310E+01	.1874020E+02	-.1042766E+01
	49	-.3024146E+02	.2458061E+02	.2991632E+02	-.1755980E+02	-.3141374E+02	.2243940E+02	.2635417E+02
	50	-.8806820E+01	-.2540473E+02	.4810647E+01	.5257619E+01	-.2186711E+02	-.1559517E+01	-.5177272E+00
	51	.1008982E+02	-.9137993E+01	-.5261854E+01	.3314021E+02	.1142207E+02	.2321693E+01	.1774773E+01
	52	.1294242E+02	.9132686E+01	.8276897E+00	.4067868E+02	.9729571E+01	-.7524271E+01	.8744281E+00
	53	.2787281E+02	-.1847067E+02	-.2039576E+02	.6043081E+01	.3274112E+02	-.1433796E+02	-.1527410E+02
IV	54	.1737730E-01	.1100641E+00	.1224334E-01	-.2449325E+00	.3631893E-01	-.6328067E-02	-.6492142E-01
	55	.4757612E-01	-.4972393E-01	-.4178999E-01	-.4911408E-01	-.2811610E+00	.4703092E-00	-.6756094E+00
	56	-.1124241E+00	.11391500E+00	-.2343736E+00	-.4454980E+00	-.3755236E+00	.1322012E-01	.7987579E-01
	57	-.1020360E+00	.2343221E-01	-.2401364E+00	.2444919E+00	-.4523471E+00	-.1028484E-00	.7078710E-01
	58	.2036646E+00	-.7904590E+00	-.4381890E+00	.1088418E+01	-.8231171E+00	-.2504028E+00	.4724053E+00
	59	-.1004276E+00	.1903001E+01	.5213041E+00	.3767040E+00	.2040544E+01	.8727971E+00	.2405467E+00
	60	-.6770043E+00	-.4038101E+01	-.2519413E+00	.1181191E+01	.5146401E+00	.2418400E+00	.1290234E+00
V	61	.1134348E+01	.9250131E+00	.1050666E+01	-.3982220E+00	.1129190E+01	-.1739865E+00	.9123438E-01
	62	-.6310159E+00	.3655940E+01	-.1158737E+00	-.1322981E+01	.2153136E+01	.1444750E+01	.1356641E+01
	63	-.3949176E+00	-.1171429E+01	.1821644E+00	-.1757227E+01	-.1171460E+01	-.2102960E+01	.1339134E+01
	64	-.1899931E-01	-.1176125E-02	.1218641E-01	-.3830609E-01	-.2645100E-01	.6164923E-01	-.6713146E-01
VI	65	-.7364106E-01	-.1391392E-01	.4431612E-02	.6013772E-01	-.4518324E-01	.6319263E-01	.6684753E-01
	66	-.1463060E-01	-.6817870E-01	-.1244686E-01	.8225041E-02	-.9325400E-01	.1703112E-01	-.1462677E-01
VII	67	.1197140E+00	.2951079E+00	-.1834304E+00	.1673010E+00	-.1314411E+00	-.4876110E+00	-.1717140E+01
	68	-.1576181E-01	-.3900498E-01	.2580302E-01	-.3894870E-01	-.6748342E-01	-.1032976E-01	.1334615E-01
VIII	69	-.1134435E-01	-.2247136E-01	.6448945E-01	.6037740E-01	.6471140E-01	-.6534441E-02	-.1335310E-01
	70	-.7091719E-02	-.2776229E-01	.3891332E-02	-.2483740E-02	-.6531513E-01	-.7802606E-02	-.2447784E-01
IX	71	.7957790E-02	-.2014073E-01	.1778417E-01	.1442722E-01	-.2374421E-01	.2335017E-02	-.1341151E-01
	72	.1790540E-01	.4197546E-01	-.1435779E-01	-.2518410E-02	.1957405E-01	-.2931430E-01	.2346125E-01
	73	.1401917E-01	.2879190E-01	.2874891E-02	.1962531E-01	-.2741620E-01	-.2703414E-01	.1456159E-01
X	74	-.4457380E-02	.2577159E-01	-.1053611E-01	-.1384717E-02	.2752536E-01	.4336624E-02	.1497295E-01
	75	-.2678036E-01	.3046536E-01	-.7444475E-02	.1710107E-01	.1567779E-02	-.4381719E-02	-.5217430E-02

Table B.5 Coefficients to Represent the Global Variation of the Median Value of foF2 for May 1976 (Continued)

HARMONIC		4	5	6			
	$\frac{S}{K}$	7	8	9	10	11	12
I	0	.04460620E+01	.20232100E-01	-.54097420E-02	.31461410E-02	-.70598800E-02	-.11918320E-02
	1	.49963790E-01	.26322940E+00	.13758830E+00	.22761830E+00	-.17195700E+00	-.63078710E-01
	2	-.14684910E+01	-.49778900E-01	.11144980E+00	-.32541740E+00	.21711870E-02	.20460130E+00
	3	.65245740E+00	-.31435480E-01	-.27759770E-01	-.45973603E-01	.21317550E-02	.13232420E-01
	4	.47511460E-01	-.10338210E+01	-.19000740E+00	.32819360E-01	.96151570E+00	-.83007920E+00
	5	-.77736750E-01	.1194840E+02	.16142940E+02	.23274790E+02	-.02820030E+01	.71920270E+01
	6	-.26474550E+02	.57313600E+01	-.13897110E+01	-.73771070E+01	-.43127870E+01	.12127280E+01
	7	.24134840E+02	-.18975740E+02	-.39340490E+02	-.57372140E+02	.17597870E+02	.16462140E+02
	8	.31674340E+02	-.87245890E+02	.38584950E+01	.67110100E+01	-.44532320E+02	-.63005180E+02
	9	-.24687100E+02	.12667700E+02	.61783700E+02	.73723940E+02	-.13096643E+02	-.13749580E+02
	10	-.13587710E+02	.61848230E+01	-.25017610E+01	-.2823680E+01	-.10413370E+01	.48171290E+01
	11	.12493800E+02	-.29597820E+01	-.15951380E+02	-.2091960E+02	.47584190E+01	.61349940E+01
II	12	.27621010E-01	-.17551600E-01	.23249180E-02	-.49230390E-02	.21608860E-01	-.50242750E-01
	13	.149526170E-01	.23067470E-01	.40601100E-01	-.64149080E-02	-.13944000E-01	-.24337100E-01
	14	.27104480E+00	.11251260E+00	-.27699330E+00	-.22651330E+00	-.26188440E+00	.48089450E+00
	15	.17786970E+00	.12559780E+00	-.2039130E+00	-.3740340E+00	-.63667740E-01	-.21625140E+00
	16	.84451860E+00	.12591200E+01	-.87781970E+00	-.62707320E+00	-.71536070E+00	.16323380E+01
	17	-.13218690E+01	.91132790E-02	.74036760E+00	.26373160E-01	.70211880E+00	.50813620E+00
	18	-.1335810E+01	-.29473200E-01	.31480900E+01	.23317640E+01	.50344000E+01	.73440700E+01
	19	-.64994970E+01	-.37511250E+01	.27464640E+01	.60971510E+01	.13209640E+01	.4508680E+01
	20	-.71356700E+01	-.69178120E+01	.8076480E+01	.6254400E+01	.67350720E+01	-.11584010E+02
	21	.9259670E+01	.91527210E+00	.33000770E+01	-.3761670E+00	-.44924250E+01	-.18881660E+01
	22	.21794670E+02	.1886990E+02	-.18401810E+02	-.10632740E+02	-.24128240E+02	.4027970E+02
	23	.68067450E+02	.13157250E+02	-.11015720E+02	-.12218410E+02	-.10552180E+02	-.249176030E+02
	24	.10092110E+02	.1684740E+02	-.2400320E+02	-.27716250E+02	-.11922510E+02	.31420420E+02
	25	-.26313140E+02	-.88218850E+01	-.14274320E+02	.9755110E+01	-.12051740E+02	-.15268730E+02
	26	-.67722550E+02	-.47408270E+02	.37401420E+02	.26324780E+02	.71537340E+02	-.96663680E+02
	27	-.13602010E+03	.19053010E+02	.17724240E+02	.7290330E+02	.29819100E+02	.79105700E+02
	28	-.24263840E+02	-.21081100E+02	.28937630E+02	.4330490E+02	-.12764180E+02	-.28014320E+02
	29	.33351390E+02	-.67987340E+01	.1312420E+02	-.10672430E+02	-.12476330E+02	.9843040E+01
	30	.150014610E+02	.3318240E+02	-.33284830E+02	-.7844300E+02	.13683390E+02	.13683390E+02
	31	.15846240E+03	.13617700E+02	-.11213940E+02	.7302000E+02	-.94074670E+02	-.94074670E+02
	32	.10510190E+02	.1024540E+02	-.12243170E+02	-.2435430E+02	-.31617570E+02	.14488230E+02
	33	-.13132000E+02	.61903270E+01	-.33165420E+01	.70060010E+01	.43306670E+01	-.73764970E+01
	34	-.20355020E+02	-.21812290E+02	.33411700E+02	.1664330E+02	.31441820E+02	-.43363910E+02
	35	-.37411970E+02	-.45639320E+01	.17384670E+01	.26449020E+02	.19233080E+02	.40334600E+02
III	36	-.12263350E-01	.35104470E-01	.76692880E-02	-.50078890E-01	-.38905590E-01	-.24367550E-01
	37	-.13611330E+00	-.17480070E-01	-.18668420E-02	.14936130E-01	.94778420E-02	-.24310280E-01
	38	-.27627860E+00	.19412220E-01	.6447030E-01	.11469370E+00	-.93834470E-01	-.93834470E-01
	39	.34010000E-01	.12496000E-01	.8893340E-01	.43388190E-01	.3183460E-01	-.80362970E-01
	40	.18190810E+01	.63600210E-01	-.1578420E+00	.62217770E-01	.19977010E+00	-.35119710E+00
	41	.19201070E+01	.17322340E+01	.1289140E+00	-.74778420E+00	.7010480E+00	-.13210830E+00
	42	.27747820E+01	.6401860E+00	-.4507370E+00	-.67463120E+00	.62760100E+00	.12007760E+01
	43	-.9213030E+00	.10493510E+00	-.12717080E+01	-.14370150E+01	-.2804330E+00	.11969550E+01
	44	-.11929040E+02	.0206740E+00	.2101250E+01	.1417310E+01	-.37613970E+01	.20193850E+01
	45	-.10519620E+02	-.10521190E+02	-.6931220E+00	.3669720E+01	-.1493530E+00	-.10091110E+01
	46	-.75921180E+01	-.18844510E+01	.24599330E+01	.95476410E+00	-.17842030E+01	-.30892030E+01
	47	.7701790E+01	.33941230E+01	.3479960E+01	.50729170E+01	.8776280E+00	-.2320790E+01
	48	.2317460E+02	-.6221240E+01	-.44492170E+01	-.42851360E+01	.8211270E+01	-.4525360E+01
	49	.20973260E+02	.1939410E+02	.12961670E+01	-.12631930E+02	.27846360E+00	.24734190E+01
	50	.10183940E+01	.13701860E+01	-.1719780E+01	-.3864730E+00	.10937440E+01	.2404510E+01
	51	-.2131140E+01	.23109720E+01	-.27166120E+01	-.35991330E+01	-.72436740E+00	.15297940E+01
	52	-.11811270E+02	.3904640E+01	.26191830E+01	.2794020E+01	-.39246760E+01	.3036740E+01
	53	-.11034460E+02	-.10036510E+02	-.3326730E+00	.8266190E+01	-.27981850E+00	-.24447590E+01
IV	54	.24752230E-01	.45727120E-01	-.2582540E-01	-.30533990E-01	-.31302110E-01	-.20986000E-01
	55	-.10181080E+00	-.18718070E-01	.27492330E-01	-.11311920E-01	.11856340E-01	.2694670E-02
	56	.13705300E+00	.6284800E-01	.93481660E-02	-.24960330E-01	-.09374810E-01	-.22300430E-01
	57	.2894960E+00	.10938740E+00	.13301010E-02	.9478200E-01	.61808910E-01	.18774950E-01
	58	-.09485120E+00	.60106130E+00	.37236610E+00	.3439680E+00	.37763010E-01	.79118100E-01
	59	-.60972610E-01	-.4822820E+00	-.18444040E+00	.3378340E+00	-.61305010E-01	.92331340E+00
V	60	-.44037310E+00	-.13099910E+00	-.2638020E-01	.6698180E-01	.1705240E+00	.17371940E+00
	61	.50045870E-01	-.21974170E+00	.38493750E-01	-.83140810E-01	-.1477320E+00	-.12299730E+00
	62	.17811910E+01	.12888110E+01	-.66323040E+00	.37297370E+00	.25016090E+00	-.1848040E+00
	63	-.25017440E+00	.1049590E+01	.10486310E+00	-.4178230E+00	.44434450E-01	.7943330E+00
	64	.27359440E+00	-.2647740E+02	.44970020E-02	-.26133510E-01	-.11882450E-01	.33651740E-02
VI	65	.35944890E-02	.24161100E+00	.33325610E-01	.18242490E-02	-.94810070E-03	.46334420E-03
	66	.13461940E+00	.4744460E+00	-.24313240E-01	-.44614780E-01	.11747310E-02	-.3025220E-01
	67	-.44098190E+00	.1449300E+00	.78363370E-01	-.20737940E-01	.12464540E-01	-.14913630E-01
VII	68	.08055800E-01	-.94567760E-01	.10673660E+00	.15005720E+00	-.17639410E-01	-.16777010E-01
	69	.7637470E-01	.6141590E-01	-.16227610E+00	.0490000E-01	.66270430E-01	-.24326330E-02
VIII	70	.16961490E-01	.21444440E-01	-.1804320E-01	.2688190E-01	-.10403320E+00	-.1136480E-02
	71	-.22941890E-01	.0510500E-02	-.13727710E-01	-.4761204E-01	-.71909170E-02	-.11868730E+00
IX	72	.14475810E-01	.2497810E-01	-.23324910E-01	-.29123130E-01	-.12904910E-01	.14882240E-01
	73	-.1154940E-01	.34112140E-01	.93307220E-02	-.66027740E-02	-.16097540E-02	-.34752410E-01
	74	-.17126440E-01	-.1753660E-01	.12846030E-02	-.13963330E-01	-.44244110E-02	.0932420E-02
	75	.64170810E-02	-.64137620E-02	.22271930E-01	-.1864270E-01	-.14037210E-01	-.13012740E-01

Table B.6 Coefficients to Represent the Global Variation of the Median Value of σ_{F2} for June 1976

HARMONIC		0	1	2	3	4	5	6
K	S	0	1	2	3	4	5	6
	0	1	2	3	4	5	6	7
I	0	.54061420E+01	-.20391100E+00	.14601290E+00	-.46093300E-01	.49944420E-02	.1C791230E-01	.22374050E-01
	1	-.27606130E+00	-.22480200E+00	.49998600E+00	-.28975100E+00	-.14102030E-01	.88738710E-01	-.25871100E-01
	2	.56448930E+01	-.13435900E+01	.14449030E+00	-.13424670E+01	-.10351750E+01	.11704860E+00	.46443500E+00
	3	.17949330E+02	-.22536800E+01	-.79449200E+01	.25231000E+01	-.27679310E+00	.17997700E+01	-.89880770E+00
	4	-.32218590E+02	-.86368320E+01	-.47106100E+01	.47643850E+01	-.27330420E+00	.46585100E+01	-.40063620E+01
	5	-.24403180E+02	.23574570E+02	.14856820E+02	-.28547400E+02	.42643470E+01	.94655340E+01	.49174300E+01
	6	.70429490E+02	.28935700E+02	.14434410E+02	-.21844400E+02	.12415040E+02	.47236240E+01	.10084660E+02
	7	.52272340E+02	-.64132550E+02	-.28517730E+01	.56041000E+02	-.12352140E+02	.17720390E+02	-.63382940E+01
	8	-.64972620E+02	-.38889270E+02	-.12671810E+02	.19292490E+02	-.20204700E+02	.45224430E+01	-.12449596E+02
	9	.17430960E+02	-.64271330E+02	-.12719440E+02	-.7454040E+02	.47429310E+01	.12349330E+02	.15933870E+01
	10	.43301720E+02	.18889880E+02	.54270430E+01	-.58523850E+01	.9205460E+01	-.25974380E+01	.19771020E+01
	11	-.28314460E+02	-.38459730E+02	.61319600E+01	.14057970E+02	-.23925240E+01	.27654440E+01	.15973440E+01
II	12	-.28912370E+00	.14025080E+01	.18498200E+01	-.33378550E-01	-.25451070E+00	.25532040E-01	.2543130E-01
	13	-.4804450E-01	-.20592720E-01	.14437320E+01	.12258080E+00	.14261440E+00	-.21624150E-01	.79202544E-02
	14	-.36615610E+00	.98821140E-01	-.41453780E+00	.95141810E+00	-.14133490E+01	.23177340E+00	.74011300E+00
	15	-.43298270E+00	.17696260E+01	.13233710E+01	.46344320E+00	.41031270E+00	.2394400E+00	.19121320E+00
	16	.78864920E+00	-.65831620E+00	.28646700E+01	.26579800E+01	.15140030E+01	.34123240E+00	.14014760E-01
	17	.29464040E+01	.18646110E+01	.59932260E+01	-.42659110E+00	.14139930E+01	.18921810E-02	.54600330E+00
	18	.57216880E+01	.16103130E+01	.43524760E+01	.12509860E+01	.19407920E+02	-.33003720E+01	.73506430E+01
	19	.71319450E+01	-.73731840E+01	-.12303850E+01	-.12993590E+02	-.7549550E+01	.16241920E+01	.37393260E+01
	20	.19106130E+02	.42749830E+02	.22130060E+02	-.17059280E+02	-.53172900E+01	-.49724270E+01	.46387940E+01
	21	-.20782390E+02	-.02722120E+02	.32059710E+02	-.59880470E+01	.20131400E+02	.14946120E+03	-.22165213E+01
	22	-.31019820E+02	-.78441820E+02	-.55192120E+02	.32286170E+02	.82147030E+02	.18672800E+02	.68792340E+02
	23	-.52209160E+02	.37338370E+02	.14055710E+02	.62934330E+02	.32177890E+02	.94288910E+01	.24202060E+01
	24	-.65793830E+02	.32413360E+02	.19440600E+02	.17286100E+02	.7451230E+01	.84801340E+02	.27826240E+02
	25	.72436830E+02	.14322170E+03	.18896160E+03	.92639120E+02	.88729880E+02	.48919970E+02	.12680625E+01
	26	.10756370E+03	.14419750E+03	.21652970E+03	.10307970E+03	.17402340E+03	.51362510E+02	.11093330E+03
	27	.12639080E+03	-.16237330E+03	-.76692100E+02	-.13568840E+03	-.70162090E+02	.36049130E+02	.64135710E+02
	28	.15511180E+03	.35446010E+03	.26577360E+03	.59449270E+02	-.25073480E+02	.30102600E+02	.61113950E+02
	29	-.18043780E+03	-.66912270E+03	.11938830E+03	-.21059080E+02	-.40776480E+02	.56282570E+02	.10596166E+02
	30	-.15214500E+03	-.13122050E+03	-.34205740E+02	-.3152860E+03	-.15917870E+03	.64737940E+02	.15589860E+03
	31	-.11327400E+03	.29710110E+03	.92902680E+02	.11092920E+03	.44841480E+02	.59449150E+02	.7949770E+02
	32	-.84449110E+02	-.18049160E+03	-.20144160E+03	.27641000E+02	-.23302490E+02	.23820430E+02	.20491050E+02
	33	.58133500E+02	.34894620E+03	.16784160E+03	.24566480E+02	.42314820E+02	.12273950E+02	.62183350E+01
	34	.78502650E-02	.46152670E+02	.18466020E+03	.58445850E+02	.48404320E+02	.29260400E+02	.44861340E+02
	35	.27498160E+02	-.17482010E+03	-.34671590E+02	.67495000E-02	-.25273300E+02	.28911940E+02	.34500460E+02
III	36	.31773030E+00	.33917210E+00	.16753410E+00	-.71025130E+00	-.25936110E+00	.28072050E-01	-.48020140E-01
	37	.67917090E-01	-.79322840E-01	.18678700E+00	.136487150E+00	.63801370E+00	.39272240E-02	.27871220E-01
	38	-.20320490E-01	.66024440E+00	.45901420E+00	-.18584850E+00	.42241880E+00	.11771490E+00	-.21240260E+00
	39	.64400310E-01	.75593430E+00	.10769200E+01	.6358560E+00	.15024170E+00	.16918740E+00	.13785205E-01
	40	-.54028570E-01	-.24364970E+00	.14647700E+00	.10500400E+00	.34641410E+00	.1287970E+00	.4647860E+00
	41	.44532890E+00	.11036490E+00	.19867870E+01	.17594180E+01	.6194940E+01	.87664940E-01	.13537250E+01
	42	-.28211890E+01	-.81027080E+01	-.23030680E+01	.59347430E+01	.50347490E+01	.12574110E+01	.14506960E+01
	43	.18100000E+01	-.08624760E+01	-.11231940E+02	.41280590E+01	.7151440E+01	.44823610E+03	.82243201E+00
	44	.22807070E+02	.79166840E+01	.44532250E+01	-.51018970E+01	.94761000E+01	.44105040E+01	.111707040E+01
	45	.69466390E+01	-.21964880E+01	.14131760E+02	.10104280E+01	.44445210E+01	.2979640E+00	.68445510E+01
	46	.82383900E+01	.28421870E+02	.14673470E+01	.10512720E+02	.9237440E+01	.1287970E+01	.408643150E+01
	47	.40136260E+01	.29189920E+01	.5009420E+02	.21246030E+02	.24092900E+02	.11553930E+01	.2838940E+01
	48	-.3340660E+02	-.35432010E+02	.13740990E+02	.16633270E+02	.11716720E+02	.40518970E+01	.5493940E+02
	49	-.17900300E+02	.68599210E+01	.39369210E+02	.14039400E+02	.19095170E+02	.31121260E+01	.13221366E+02
	50	-.37116400E+01	-.24068110E+02	.20591830E+02	.13908970E+02	.11332870E+02	.20003030E+01	.34006410E+01
	51	.12037400E+01	-.23910040E+02	-.12339740E+02	.24037890E+02	.16511060E+02	.18154110E+01	.1414610E+02
	52	.19724150E+02	.60344430E+01	-.22137300E+02	.20582480E+02	.44821940E+02	.26432960E+01	.42759660E+01
	53	.11750720E+01	-.435708430E+01	-.27538960E+02	.35295630E+01	.38533460E+02	.33704440E+01	.74502016E+01
IV	54	.83951930E-01	-.13480240E-01	-.74934760E-01	-.21673300E+00	-.12145380E-01	-.4259260E+00	-.44934450E+00
	55	.1343221E-01	-.49996160E-01	-.49809170E-01	.3318627E-01	-.22348300E+00	-.44932140E+00	-.43103970E+00
	56	-.38933950E+00	.25142870E+00	.85022470E-01	.13736870E+00	.63211750E-01	.11893240E+00	.21394130E-01
	57	-.41082330E+00	.25109930E+00	.77777170E-01	-.47233540E-01	.43641030E+00	.12733490E+00	.22137990E+00
	58	-.23947020E+00	.18127590E-01	.38903730E+00	.14073750E+01	.82413450E-01	.13776490E+00	.31336460E+00
	59	-.12847630E+01	.18110520E+01	.25477590E+00	.44616400E+00	.15285810E+01	.76183100E+00	.101641430E+01
	60	.16761380E+01	-.67727360E+00	.42478510E+00	.11862400E+01	.23612110E+01	.24449710E+00	.43427910E+01
	61	.18467340E+01	.13101520E+01	.38959030E+00	.14633740E+00	.11171450E+01	.18009120E+01	.24115130E+01
	62	.74962730E+00	.70563950E+00	.16289700E+01	.18420350E+01	.87152360E+00	.13376440E+01	.19780250E+01
V	63	.14377160E+01	.22001440E+01	.66722820E+00	.68748860E-01	.22822130E+01	.22933830E+01	.11437940E+01
	64	.64405990E-01	.16726750E-01	.54396320E-01	-.77480180E-01	.15114802E-01	.34637220E-02	-.6188101E-01
	65	-.30301680E-01	-.3146090E-01	-.17013920E-01	.4284940E-01	-.4193930E-01	.37348291E-01	-.17347940E-01
VI	66	.13128220E-01	.38739520E-02	.79861250E-01	.11537790E+00	.4352740E-01	.10328003E-01	.85437940E-02
	67	.44914340E-01	.24179110E-02	-.40124870E-01	.81791360E-01	.72643110E-01	.12082940E-01	-.4442470E-02
VII	68	-.19842770E-01	-.11823360E-01	-.65597310E-02	-.47550790E-01	-.74914910E-01	.21994604E-01	.15441710E-01
	69	.14392640E-01	.18110290E-01	.77910260E-01	.39110410E-01	-.42471140E-01	.14818927E-01	.17791617E+00
VIII	70	.67863390E-02	-.14658990E-01	-.14662250E-01	.18076770E-01	-.44466613E-01	.20089973E-01	-.47225113E-01
	71	.14678610E-01	.19732200E-01	-.1172733E-01	.44676750E-01	.43197973E-02	.18654410E-02	-.1326794E-01
IX	72	-.64287700E-02	-.17947000E-01	.14084940E-01	.17930160E-01	.13494810E-01	.12682942E-01	.11433710E-01
	73	.24289140E-01	-.6421940E-02	-.1863682E-01	.17777150E-01	.42519476E-02	.42405942E-02	.1326794E-01
IX	74	-.44782370E-02	.44973840E-01	-.10417910E-01	.15922820E-01	.44310890E-01	.14307637E-01	.85333050E-01
	75	-.42140080E-01	.13568790E-01	.27194160E-01	-.12707320E-01	.91147750E-02	.43366140E-02	-.4374917E-02

Table B.6 Coefficients to Represent the Global Variation of the Median Value of foF2 for June 1976 (Continued)

HARMONIC		4	5	6			
	K/S	7	8	9	10	11	12
I	0	.29061010E-01	-.19297450E-01	-.7296180E-02	.29572300E-01	.17979930E-01	-.3375120E-02
	1	.11652970E+00	.49746160E-01	-.39513970E-01	-.9291944E-01	.13309340E+00	.17218990E+00
	2	-.42112390E+00	.18681030E+00	.27669130E+00	-.8051763E+00	-.28865920E+00	-.12028160E+00
	3	-.4392490E+00	-.48039370E+00	.31442840E+00	.11675330E+01	-.19138910E+01	-.27677120E+01
	4	.37199130E+01	-.28712390E+01	-.14602770E+01	.53028700E+01	.120074870E+01	.12055600E+01
	5	-.20624550E+01	.21214440E+01	-.44231190E+01	-.26733100E+01	.75919190E+01	.12046110E+02
	6	-.11803650E+02	.89414600E+01	.33549170E+01	-.12643940E+02	-.93723820E+01	-.33349710E+01
	7	.11098900E+02	-.26595040E+01	-.19580400E+01	.40662980E+01	-.13223730E+02	-.2378030E+02
	8	.14606790E+02	-.11142180E+02	-.24380580E+01	.12541450E+02	.51935930E+01	.37189500E+01
	9	-.1759940E+02	.14029430E+01	-.7011780E+01	.4678010E+01	.10999320E+02	.17801360E+02
	10	-.41413240E+01	.49510590E+01	.74233370E+00	-.4432950E+01	-.24545320E+01	-.14661000E+01
	11	.70519220E+01	-.22284130E+00	-.25452330E+01	-.30174370E+01	.14644480E+01	-.53745370E+01
II	12	.14615780E-01	-.21911170E-01	.13802320E-01	-.25449230E-01	-.91244880E-02	-.21434120E-01
	13	.34072830E-01	-.12184850E-01	.85018990E-03	-.14343490E-01	.17907000E-01	.72404390E-02
	14	-.37104570E-01	-.18024960E-01	.11640330E+00	-.98232710E-01	-.5575940E-02	-.16053080E-01
	15	-.39814080E-01	.11516180E+00	.19196610E+00	-.17832960E+00	.14814910E-01	.28711100E-01
	16	-.28951710E+00	-.24604080E-03	-.37182400E+00	.2004840E+00	.37311220E+00	.72334860E+00
	17	-.60844450E+00	.12731220E+01	-.11995490E+00	.22509420E+00	-.37306400E+00	.51461210E+00
	18	.14077140E+00	-.21851780E-02	-.16753500E+01	.16411180E+01	-.40105890E+00	-.44678130E-02
	19	-.49464040E+00	-.22498780E-01	-.35134440E+01	.9789120E+01	-.2439390E+01	-.82878930E+00
	20	.43291790E+01	.51757460E+01	.35564020E+01	.17321540E+00	-.12114720E+01	-.4113350E+01
	21	.15074620E+01	-.14756780E+02	.17786250E+01	-.15449390E+01	.39612040E+01	.40634700E+01
	22	.13795070E+01	.24447900E+01	.43908750E+01	-.26080000E+02	.13393400E+01	.35444430E+01
	23	.11575860E+02	.11374640E+02	.33200400E+02	.39824780E+02	-.10373600E+01	.62724760E+00
III	24	-.14611540E+02	-.21144780E+02	-.77008180E+01	.67599800E+01	-.4753920E+01	.9323610E+01
	25	-.1024710E+02	.5097870E+02	-.76997170E+01	.7031920E+01	-.10464050E+02	-.10464720E+02
	26	-.18470430E+02	-.10591030E+02	.41023350E+00	.72201970E+02	.22041440E+01	-.27018670E+02
	27	-.4444510E+02	-.21691660E+02	-.83911060E+02	.10523440E+03	.47315750E+01	.11258390E+02
	28	.74127880E+02	.27877960E+02	.63497300E+01	.16443350E+02	.32340140E+01	-.66385120E+01
	29	.14232190E+02	-.73012070E+02	.10050200E+02	-.12542260E+02	.12731370E+02	-.10356680E+02
	30	.24160840E+02	.13842060E+02	-.11761800E+02	-.87577600E+02	-.72274960E+01	.42489760E+02
	31	.5725120E+02	.19274820E+02	-.40186390E+02	-.11943960E+03	-.4789640E+01	-.2581140E+02
	32	-.11784230E+02	-.11742410E+02	-.14351630E+01	-.10718830E+02	-.24136320E+01	.23682370E+01
	33	-.72789190E+01	.37044490E+02	-.47003790E+01	.72016440E+01	-.51127020E+01	.34414200E+01
	34	-.13682350E+02	-.62175900E+01	.85947150E+01	.39034810E+02	.9151090E+01	-.2185260E+02
	35	-.1175200E+02	-.77268980E+01	-.35012930E+02	.48912630E+02	.31674100E+01	.132431E+02
IV	36	-.74952750E-01	-.1640070E-01	-.24631250E-01	.38940210E-03	.14511240E-01	.2957880E-01
	37	-.40747840E-01	-.82294880E-02	-.30150770E-01	.41345100E-02	.22644140E-02	-.14287130E-02
	38	-.2268000E-01	.17396710E-01	-.14801660E+00	.12539590E+00	-.4063940E-01	.13666710E+00
	39	-.1941350E+00	-.62327390E-01	.16470550E-01	.8247840E-02	-.20123510E-01	-.13429030E+00
	40	.20141070E+00	.60504050E+00	-.14402250E-01	.66872930E+00	.23920100E+00	-.47979150E+00
	41	-.4933370E+00	.11061910E+01	.3918100E+00	.1918100E+01	.7214080E+00	.14841130E+00
	42	-.64337860E+00	.16802510E+01	.41600880E+00	-.6356320E+00	-.3786640E-01	-.0142310E+00
	43	.29446450E+01	.14167100E+01	-.10329310E+01	-.6736020E+01	.9495440E+00	.13939560E+01
	44	-.15748970E+02	-.14066210E+01	.11743400E+01	.64833330E+01	-.12438820E+01	.24838720E+01
	45	.28651460E+01	-.6345720E+01	-.23965350E+01	.67289600E-01	-.96637760E+00	.33695130E+01
	46	.24366480E+01	.51923430E+01	-.17829280E+01	.14074970E+01	-.67495710E+00	-.4134720E+01
	47	.71019730E+01	-.4037780E+01	.18331270E+01	.18331270E+01	-.1286120E+01	-.26116770E+01
V	48	.3176670E+02	-.51118680E+00	-.27442380E+02	.10031820E+02	.20146820E+01	-.56645420E+01
	49	-.4071230E+01	.65732900E+01	.3376010E+01	-.1344190E+02	.1245340E+01	.33444320E+01
	50	-.8749540E+01	-.62074300E+01	.16910400E+01	-.40819200E+00	-.41681710E+00	-.73922160E+03
	51	.3460740E+01	.38727710E+01	-.28630770E+01	.12581770E+01	.90574740E+00	.16844160E+01
	52	-.20217210E+02	.18713670E+01	-.1370360E+01	.6350307E+01	-.6135630E+00	.51630370E+01
	53	.2215340E+01	-.3352759E+01	-.10492640E+01	.80791970E+01	-.44271020E+00	-.22901050E+01
	54	-.64416720E-02	.10040040E+00	-.11026070E-01	-.21612090E-01	-.29382940E-02	.14124110E-01
	55	-.10103050E+00	-.26261810E-01	.53569930E-03	-.15357720E-01	-.14879460E-02	.97337710E-02
	56	.28442450E+00	.11535130E-01	-.97763970E-01	.44069770E-02	-.13481770E-01	-.11357680E+00
	57	-.10779640E+00	.49261940E-01	-.2224640E-01	-.4404840E-01	.29987460E-01	.35179350E-01
	58	-.24357090E+00	-.20463340E+00	.93126190E-01	.13711870E+00	.11051520E+00	-.13124690E-01
	59	.24645780E+00	-.17646140E+00	.94610730E-01	.32238340E+00	-.11032870E-01	-.28160220E+00
VI	60	-.7101144E+00	.76079120E-01	.16701100E+00	-.64080170E-01	.13791470E+00	.20400320E+00
	61	.7611520E+00	-.27204710E+00	.60973360E-01	.64940070E-01	-.11174078E+00	-.17112670E+00
	62	.7133000E+00	.17562440E+00	-.2177120E+00	.10170240E+00	.17918710E+00	-.16164760E-01
	63	-.1763420E+00	.6344940E+00	-.22444130E-01	-.3746310E+00	-.71928790E-02	-.02468220E+00
	64	.2203590E+00	-.60712110E-01	-.18963710E-01	-.14244160E-01	-.85254130E-02	-.33261020E-02
	65	.6361640E+01	.2135640E+00	.12176520E-01	-.2204300E-01	.23264790E-01	-.66464370E-02
	66	.1719490E+00	.3579770E+00	-.37721370E-01	-.4076140E-01	.2789940E-01	-.2472620E-01
	67	-.7477120E+00	.1344310E+00	-.24246190E-01	-.81028760E-01	.21464450E-01	-.0279790E-02
	68	.53646350E-01	-.39415470E-01	.64976100E-01	.13392720E+00	-.32173940E-02	-.39233830E-01
	69	.6177110E-01	.4167260E-01	-.11958520E-00	.82764862E-01	-.10287462E-03	-.13786470E-01
	70	.21016710E-01	.24262160E-01	-.37971440E-01	-.18525080E-01	-.87264730E-01	.31034410E-01
	71	-.02844230E-02	.24645970E-01	-.1079330E-01	-.22479730E-01	-.11347820E-02	-.10282940E+00
VII	72	.1641820E-02	-.8944700E-02	-.44284010E-02	-.44975880E-02	-.23401960E-01	.18441590E-01
	73	-.6772740E-02	.23112670E-01	-.51691190E-02	-.31666790E-01	-.2143220E-01	-.12090930E-01
	74	-.42171380E-02	.4947230E-01	-.18225070E-01	-.1611170E-02	-.11446230E-02	.30568960E-02
	75	-.7475440E-01	-.16167230E-01	-.42047110E-02	.29973620E-02	-.74936010E-02	-.41677460E-02
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	78						
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	83						
VIII	84						
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IX	96						
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	103						
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	105						
	106						
	107						

Table B.7 Coefficients to Represent the Global Variation of the Median Value of foF2 for July 1975

HARMONIC		0	1	2	3	4	5	6
I	S K	0	1	2	3	4	5	6
		0	1	2	3	4	5	6
I	0	.54366320E+01	-.11964820E+00	.28162330E+00	-.22641880E-01	.03221440E-02	-.28857520E-01	.14020440E-01
	1	-.53675660E+00	-.02749190E-01	.13846190E+01	-.02244000E+00	-.14796770E+00	-.44462800E+00	.3426610E+00
	2	.31376010E+01	.13221420E+01	-.26866700E+01	-.02980730E+00	-.14450310E+01	.28827890E+00	-.01800810E+01
	3	.20700510E+02	-.17455060E-01	-.13436800E+02	.98028670E+01	.14296270E+01	.79334090E+01	-.0250320E+01
	4	-.20400020E+02	-.05011740E+01	.06495320E+01	.20217080E+01	-.45492930E+01	-.26671260E+01	-.14149240E+01
	5	-.00173420E+02	.02330010E+01	.48032710E+02	-.55247060E+02	-.41417840E+01	.19001440E+02	.0992800E+02
	6	.44661550E+02	.31493460E+02	-.13440210E+02	-.21700040E+01	-.44471370E+01	.07451190E+01	.3460020E+01
	7	.11896620E+03	-.20301210E+02	-.01440390E+02	.1201040E+03	.01929430E+01	.01100920E+02	-.3752300E+02
	8	-.01410570E+02	-.4150880E+02	.67873670E+01	-.05689340E+00	.2516440E+01	-.11156420E+02	-.40727610E+01
	9	-.05133390E+02	.23250940E+02	.60564850E+02	-.12233340E+01	-.90334890E+01	-.76017930E+02	.00022640E+02
	10	.31019720E+02	.19381130E+02	-.13010240E+01	.14016660E+01	-.45420440E+00	.04423170E+01	.12443410E+01
	11	.49381140E+01	-.10795540E+02	-.23307570E+02	.10308460E+02	.49595440E+01	.26316740E+02	-.14470150E+02
II	12	-.37904320E+00	-.16487930E+01	.14036130E+01	.93410940E-01	-.20061220E+00	-.27671740E-01	-.35433280E-02
	13	.74119740E-02	-.19509970E-01	.1443130E+01	.10411930E+00	.13940420E+00	-.3194730E-01	.02321420E-01
	14	-.0367520E+00	.59619970E-02	-.3123510E+00	.3104132E+00	.4916450E+00	.1403700E+00	.1801010E+00
	15	.0140910E+00	.1924526E-01	.0224490E+00	.2791722E+00	.0226220E-01	-.7467262E-01	.0944570E-01
	16	.3146392E+01	-.3781760E-01	-.44493040E+00	.4880440E+00	.1801400E+01	.3019735E+01	-.36522340E+00
	17	.1741320E+01	.01102630E+01	-.74184340E+00	.17071460E+00	.1924930E+01	.1278730E+01	-.24457240E+00
	18	.13557810E+02	.0265410E+01	.64657660E+01	-.30513150E+01	.70024610E+01	-.7332746E+01	-.08674110E+01
	19	-.11824440E+02	-.7245610E+01	.30311890E+01	-.02105730E+01	-.64653240E+01	.21112770E+01	-.2140530E+01
	20	-.4517570E+01	.25860770E+02	.4231082E+02	.8479806E+01	-.1497268E+02	-.34402390E+02	.1907910E+02
	21	-.10272940E+02	-.1091540E+03	.4201390E+02	-.4963320E+01	-.1782300E+02	-.59307130E+01	.0402340E+01
	22	-.04040150E+02	-.3405840E+02	-.7304140E+02	.18741500E+02	-.2763494E+02	.39676840E+02	.0234670E+02
	23	.1011118E+03	.17286420E+02	-.2930610E+01	.01080930E+02	.19002770E+02	-.1245744E+02	.7890614E+01
	24	-.1472620E+02	-.15236020E+01	-.23281710E+01	.21743120E+02	.4401040E+02	.34455310E+02	.2340014E+01
	25	.37689570E+02	.44909120E+01	-.2210132E+03	-.16782670E+02	.3015380E+02	.14215680E+02	-.16764290E+02
	26	.17688810E+01	.9313740E+02	.2451572E+03	-.1064506E+02	-.0017740E+02	-.74767810E+02	-.0719310E+02
	27	-.24493440E+02	-.15321310E+01	-.10761320E+02	-.13877140E+03	-.0732460E+02	.74935350E+02	-.1335130E+02
	28	.13904290E+02	.2305210E+03	.34974270E+03	-.33392430E+02	-.03733920E+02	-.7912340E+02	-.3646400E+01
	29	-.37441370E+02	-.7231460E+02	.3649230E+03	.74223410E+02	.34940230E+02	-.1797626E+02	.0006900E+02
	30	-.3154710E+03	-.39412870E+02	-.2462060E+03	.13646810E+02	-.24633330E+02	.21946820E+03	.10339270E+03
	31	.2961040E+01	.27486130E+03	-.77484820E+03	.17947930E+03	.03111170E+02	-.05266420E+02	-.1147930E+02
	32	-.2487680E+02	-.1282120E+03	-.2401040E+03	.4017940E+02	.3164000E+02	.30120710E+02	.0076710E+01
	33	.3426480E+02	.36906410E+02	-.14744320E+03	.12215520E+02	.25301970E+02	.08024840E+01	-.17205430E+02
	34	.0403740E+02	.44061170E+01	.1726510E+03	-.17733640E+01	.17030940E+01	-.07379710E+02	-.44740310E+02
	35	-.13724170E+03	-.14097430E+03	.10702620E+02	-.71632240E+02	-.24618710E+02	.33649120E+02	-.2796050E+02
III	36	-.13688210E+00	.9316910E-01	.18924420E+00	-.0700242E+00	-.18117430E+00	-.1084331E-01	-.0037940E-01
	37	.2148340E+00	-.0240730E-01	-.02537660E-02	.04039740E-01	-.02101700E+00	.2772422E-01	-.2103470E-01
	38	-.12317740E+00	.2349060E-01	.1019900E-01	.17748170E+00	-.1360920E+01	.23683820E+00	-.14426270E+00
	39	.17572740E+01	-.53117720E-01	.46689280E+00	.34931070E+00	.23477110E+00	.3723108E+00	.00017670E+00
	40	-.1341610E+01	.44647640E+01	-.33928120E+00	.36808330E+01	-.0297430E+00	.2089510E+01	.1187320E+01
	41	-.13750740E+01	.1025190E+01	-.2032120E+01	-.7042920E+01	.3071320E+01	-.7357702E+01	.0940240E+01
	42	-.9476580E+01	-.1764670E+01	-.74870420E+01	.00273940E+01	.16902190E+01	-.23612710E+01	.70271030E+01
	43	-.0237632E+01	.43544120E+01	-.0174430E+01	.24941670E+01	.3317320E+01	-.30633140E+01	-.18323490E+01
	44	.9021030E+01	-.16773240E+02	-.10691770E+01	.4917430E+01	.0765150E+01	.0185430E+01	-.3490340E+01
	45	.66110370E+01	.05324230E+01	-.2612540E+02	.26424820E+01	-.22803330E+01	.7921412E+00	-.11497470E+01
	46	.19315160E+02	.08703160E+01	.14730570E+02	-.17671030E+02	.43370060E+01	.34274340E+01	-.14243140E+01
	47	-.04041370E+01	.1907920E+02	.1120430E+02	-.14011030E+02	-.14423120E+02	.1404030E+01	.1404030E+01
	48	-.01008440E+01	.2310610E+02	.1454320E+02	.3543338E+02	.24624160E+02	-.2727040E+01	.3664050E+01
	49	-.10473430E+02	.13922710E+02	.9466190E+02	.47713740E+01	-.2747607E+02	-.1323740E+02	-.0704440E+01
	50	-.2849420E+02	-.7154440E+01	-.7466730E+01	.1034330E+02	-.3126070E+02	-.04133510E+01	.1272970E+01
	51	-.43375370E+01	-.17406470E+02	-.04296330E+02	.22133810E+02	.0997050E+01	-.18034760E+01	-.2442640E+01
	52	.76919370E+01	-.66402380E+01	-.12039870E+02	.3181040E+02	.20111040E+02	.21401240E+01	-.2219460E+01
	53	.4027610E+01	-.10129440E+02	-.3709160E+02	-.0166760E+00	.2400110E+02	.14964440E+01	.4756560E+01
IV	54	.18914330E-01	-.0846040E-01	.2913310E-02	-.17936620E+00	.1476910E-01	-.3108930E+00	-.4365776E+00
	55	.04021040E-01	-.23400810E+00	-.2039146E+00	-.00498240E-01	-.1391640E+00	.44712430E+00	-.3708533E+00
	56	-.9137418E+00	.14261710E+00	-.2132035E+00	-.04097330E+00	.07361870E+01	.19022190E+00	.14609120E+00
	57	-.9676850E+00	.01463320E-01	.3711970E+00	-.1463160E+00	-.4140092E+01	.06120440E+00	.2776900E+00
	58	.7742740E+00	-.6447344E-01	-.1774310E+00	.07605240E+00	-.2615101E+00	.3946221E+00	-.34697140E+00
	59	-.0421131E+00	.28018490E+00	.0879720E+00	.1394740E+01	.0170716E+00	.07124310E+00	-.0019370E+00
	60	.2211070E+00	-.2182404E-02	.13949470E+00	.6442630E+01	-.2910510E+00	.2130610E+00	-.7458273E+01
	61	.4934755E+00	.74888730E+00	.1247110E+01	.36137470E+02	.34410790E+01	-.20323740E+00	-.0237910E+01
V	62	-.1111210E+01	.9428460E+00	-.0240394E+00	-.1138244E+01	.1041946E+01	.0765022E+00	.1619712E+01
	63	.0210050E+00	-.1026344E-01	.1310260E+00	-.3973193E+00	-.1294740E+01	-.15002710E+01	.1801042E+01
	64	.1019600E-01	-.4364440E-02	.0277670E-02	-.2220790E-01	-.1070210E-02	-.23040810E-02	-.11064530E-01
VI	65	-.1112110E-01	-.1739642E-01	-.9217550E-01	.03761120E-01	-.23461140E-01	.3446222E-01	-.1610946E-01
	66	-.4422040E-01	-.1320180E-01	-.4037040E-01	.07221410E-01	-.14019120E-01	.0495919E-01	-.0412440E-01
	67	-.3439144E-01	.1441940E+00	-.14070570E+00	-.07937340E-01	.0497370E-01	-.3475162E-01	.0276020E-01
VII	68	-.1217640E-01	-.4491420E-01	-.28246730E-01	-.1760220E-01	-.1040010E-01	-.2461218E-02	.0037910E-01
	69	-.3645173E-01	.10109910E-01	.3744462E-01	.3426114E-01	-.3746271E-02	-.1977961E-01	.23103110E-01
VIII	70	.4121402E-02	.12340990E-01	.3294290E-01	.0740950E-01	-.3344610E-01	.2007726E-01	-.1123961E-01
	71	.1402700E-02	.3791060E-01	.3264290E-01	-.04670110E-02	-.1934630E-01	-.1123961E-01	-.0440746E-02
IX	72	.04336660E-02	.1876150E-01	-.1740390E-01	-.1583440E-01	-.1436760E-01	-.0236071E-01	-.1796934E-01
	73	.1004990E-01	.1434430E-01	.7474440E-02	.7399440E-01	-.20105470E-01	.3147970E-02	-.1294132E-01
X	74	.0006740E-02	.0747440E-01	-.1600660E-02	-.2773400E-01	.2117510E-01	.2113961E-01	-.1600660E-01
	75	-.04702110E-01	.44027940E-02	-.7349130E-03	-.2443113E-01	-.1170442E-01	.3467660E-02	.1750374E-01

Table B.7 Coefficients to Represent the Global Variation of the Median Value of foF2 for July 1975 (Continued)

HARMONIC		4		5		6	
	S	7	8	9	10	11	12
I	0	.5319440E-01	-.18676170E-07	.50391470E-02	-.12237110E-01	-.49741910E-03	-.19786720E-02
	1	-.15310310E+00	.17379500E+00	-.26971380E+00	-.12224490E-02	.31640070E-01	-.13216450E-01
	2	-.20627430E+00	-.25919470E+00	.36444010E+00	-.31962720E+00	-.62892420E+00	-.13511915E-00
	3	-.29394000E-01	-.29744300E-01	.39470420E-01	-.14519570E-01	-.21509110E+00	-.12424940E-01
	4	-.10121910E-01	.34928010E-01	-.22014280E-01	.20140870E-01	-.44323140E-01	.24034930E-01
	5	-.1369440E-02	.13192000E-02	-.14591770E-02	.10046310E-02	-.17743140E-01	-.82271050E-01
	6	-.44466370E-01	.24594501E+01	.79378810E+01	-.40177710E-01	-.12520000E-02	-.77451730E-01
	7	.32514610E-02	-.24410400E+02	.26065300E+02	-.24440150E+02	.78207830E-01	.22423770E+02
	8	.7678940E-01	-.39039100E-01	-.7551570E-01	-.29571070E-01	.11570830E-02	.61404640E-01
	9	-.3468170E-02	.2133970E-02	-.2334940E-02	-.2834940E-02	-.9046440E-01	-.23572250E-01
	10	-.39181540E-01	.32466210E-01	.26129240E-01	-.44429410E+00	-.32443100E-01	-.37092240E-01
	11	.13774170E-02	-.88789900E-01	.67475840E-01	-.10593770E-02	.43840470E-01	.28619480E-01
II	12	-.59784420E-02	.7109430E-02	-.13009320E-01	-.17423240E-01	-.41446910E-01	.13884492E-01
	13	.24950320E-01	.47102030E-01	.22224190E-01	-.42822670E-02	.17141140E-01	-.44524790E-01
	14	.12463140E+00	-.11792320E+00	.32107930E+00	.63044570E-01	-.10151240E-01	.10756470E+01
	15	-.13911390E+00	-.40422040E+00	.68748900E+00	-.10049030E+00	-.25074940E+00	.21713212E+00
	16	.11662970E+01	.70263630E-02	.39442610E-01	-.10716870E-01	.40846190E+00	-.18446550E+00
	17	-.12124970E+01	-.42727320E+00	-.23433800E+00	.90470300E+00	-.37273040E+00	.13101800E+01
	18	-.30230400E-01	.2123370E-01	.9749300E-01	.11582180E-01	-.14494910E-01	-.16727040E-01
	19	.40519240E+00	.59462060E+01	-.37866510E-01	.21319790E-01	.59331130E-01	-.42674970E-01
	20	-.11100440E-02	.24647140E-01	-.13085310E-01	.11204940E-02	-.30819020E-01	.24249170E-01
	21	.8754900E-01	.4024770E-01	.16428030E-01	-.4077350E-01	.24901080E-01	.10707610E-02
	22	.20474750E-02	-.13520020E+02	.24409310E+01	-.14714190E+02	.89139240E-01	.13793940E-02
III	23	.69177360E-01	-.3383590E+02	.34981370E-01	-.13008810E+02	-.3368490E+02	.11476330E+02
	24	.2374860E-01	.2168630E+02	.6716700E-01	-.39111940E+02	-.11371820E-01	-.45024710E+01
	25	-.25241190E-02	-.40186740E-01	-.31465160E-02	.18443790E-02	.22213450E-01	-.27137403E-02
	26	-.55863060E-02	.46343020E-02	-.32463530E-02	.5014920E-02	.22241920E-02	-.12464940E-02
	27	-.20444420E-02	.84497530E-02	-.14212010E-02	.31125100E-02	.40527400E-02	-.43279410E-02
	28	-.2789940E-02	.13245700E-02	-.17991250E-02	.32450740E-02	-.14142770E-02	.46431070E-02
	29	.31246410E-02	.6706300E-02	.3636490E-02	-.2399020E-02	-.12471370E-02	-.30844870E-02
	30	.46460070E-02	-.63672360E-02	-.40946040E-02	-.4812340E-02	-.23976820E-02	.13646160E-02
	31	.60346750E-02	-.92485970E-02	.14919860E-02	-.3674740E-02	-.19233190E-01	.4973046E-02
	32	.16325130E-02	-.32444670E-01	.1076460E-02	-.23134310E-02	.30529130E-01	-.61493330E-01
	33	-.13733020E-02	.36811420E+00	-.14026430E-02	.12774000E-02	.79429350E-01	.12459190E+02
IV	34	-.24637460E-02	.24496400E-02	-.1761020E-02	.3234880E-02	.10874700E-02	-.16367130E-02
	35	-.2614940E-02	.34366130E-02	-.6136400E-01	.14630480E-02	.42120120E-02	-.13216140E-02
	36	.40296110E-01	-.14063620E-01	.2727390E-01	-.34236110E-01	-.18780920E-01	.40959120E-01
	37	-.42912810E-01	-.18467220E-01	-.2323330E-01	.2124440E-02	-.14707190E-01	.14441460E-01
	38	.33267940E-01	.14207160E-01	.2403330E-02	.13310180E-01	.69747450E-01	.17254370E+00
	39	.85400270E-01	-.3949490E+00	.84231740E-02	.64213120E-02	-.13217100E-01	-.21040340E+00
	40	.3494010E+00	-.1179130E-01	-.2411740E+00	-.2491740E-02	.72707010E-02	.72707010E-02
	41	-.50753660E+00	.78791180E-01	.3023110E+00	.12471620E-01	.1545470E-01	.2097170E-01
	42	-.1391790E-01	-.15344100E-01	-.12477630E-01	-.5413070E-01	-.7127770E-01	-.14977020E-01
	43	-.1391790E-01	.22897220E-01	-.1310610E+00	-.67391330E-01	.44061100E-01	.1324610E-01
	44	-.40494380E-01	-.6305910E-01	.64372480E-01	.2161170E-01	-.80262730E-01	.4011670E-01
	45	.36233330E-01	-.42711140E-01	.3676460E-01	.9735570E-01	.71333110E-01	.24161330E+00
V	46	.37402120E-02	.24444760E-01	-.4239310E-01	-.3982110E-01	.14240220E-01	.1384640E-01
	47	-.33400120E-02	-.36707780E-01	.44466130E-01	.16714520E-01	-.17404830E-01	-.1074940E-01
	48	.4046640E-01	.4047190E-01	-.74384190E-01	-.41639430E-01	.13494010E-01	.7864920E-01
	49	-.1847880E-02	.61308170E-01	-.13711510E-01	-.1782930E-02	.1402340E-02	.71710240E-01
	50	-.9409010E-01	-.13214030E-01	-.39361910E-01	.17921010E-02	-.1015941E-01	.7872040E-01
	51	.31173760E-01	.15069480E-01	-.40067040E-02	.17038820E-01	.11178440E-01	.14933130E-01
	52	-.6732430E-01	-.21204930E-01	-.4311460E-01	-.4493340E-01	.70384320E-01	.44827930E-01
	53	.61904310E-01	-.10973630E-01	.1371220E-01	.1161170E-02	-.8049440E-01	-.3503290E-01
	54	-.12752180E-01	.12244910E+00	-.31074170E-01	-.32044320E-01	-.1140740E-01	.3175070E-02
	55	-.12184930E-01	-.33249410E-01	.4233390E-01	-.1185060E-01	-.69774150E-02	-.13392440E-01
	56	.7421020E-01	-.1344410E-01	-.9146430E-01	.7940520E-01	-.6140870E-01	.8324140E-01
VI	57	.1616220E+00	.4785770E-01	-.22037930E-01	-.22981260E-01	.84749730E-01	.7794370E-01
	58	-.22344460E-01	-.27607490E-01	.3944960E+00	-.23147440E-01	.61931160E-01	-.16447120E-01
	59	.2762210E+00	-.13999270E+00	.31632220E+00	.24661970E-01	.27237440E-01	-.77029110E-01
	60	-.2749420E+02	.23397490E+00	.6174040E-01	.24684460E+00	.16411670E+00	-.1239640E-01
	61	-.11094640E-02	-.18681950E-02	.23873020E-02	-.12917070E-02	-.14947220E-02	-.23938830E-02
	62	.40464110E+00	.14891920E+00	-.60711120E-02	.24693270E+00	.7991910E-02	-.7440070E-02
	63	-.11619470E-01	.1073460E-01	.35468760E-02	.6839140E-01	-.66437140E-01	.6164140E-01
	64	.27064610E-01	-.70670100E-01	.2914100E-02	-.11845510E-01	-.11911140E-01	-.2729440E-01
	65	-.1114020E-01	.55479100E-01	.11014120E-01	.60317970E-02	.23744220E-01	-.16249220E-01
	66	.2153790E+00	.73179180E+00	-.49723160E-01	-.37709320E-01	-.29144320E-01	-.47462320E-01
	67	-.30396160E+00	.71594340E+00	.91030610E-01	-.3492240E-01	.11194770E-01	-.24707370E-01
VII	68	.44492210E-01	-.60192160E-01	.2444940E-01	.14919120E+00	-.31477460E-01	-.37902410E-01
	69	.60793120E-01	.97740240E-01	.13950320E-02	.7480370E-01	.49616390E-02	-.16327460E-01
	70	-.2877440E-02	.10421940E-01	-.40101040E-02	.27744720E-02	-.40819430E-01	.2011670E-01
	71	-.63116640E-02	-.30120270E-01	-.66124420E-02	-.1976460E-02	-.44742060E-02	-.13302170E+00
	72	-.4224610E-01	.2239747E-02	.10121940E-01	-.7374330E-02	-.74431140E-01	.12146240E-01
	73	.2141640E+01	.41444140E-01	-.12243710E-01	.74724790E-02	.46144420E-02	-.12630120E-01
	74	-.1407150E-01	.43559100E-01	-.3219930E-01	-.70445410E-02	-.74913930E-01	-.17791470E-02
	75	.1444444E-01	-.4444444E-02	-.4444444E-02	-.1444444E-02	-.4444444E-02	-.4444444E-02
	76	-.1407150E-01	.43559100E-01	-.3219930E-01	-.70445410E-02	-.74913930E-01	-.17791470E-02
	77	.1444444E-01	-.4444444E-02	-.4444444E-02	-.1444444E-02	-.4444444E-02	-.4444444E-02
	78	-.1407150E-01	.43559100E-01	-.3219930E-01	-.70445410E-02	-.74913930E-01	-.17791470E-02
	79	.1444444E-01	-.4444444E-02	-.4444444E-02	-.1444444E-02	-.4444444E-02	-.4444444E-02

Table B.8 Coefficients to Represent the Global Variation of the Median Value of foF2 for August 1975

HARMONIC		0	1	2	3	4	5	6
S	K	0	1	2	3	4	5	6
		0	1	2	3	4	5	6
I	0	.59789870E+01	-.57011840E-01	.22416310E+00	-.67607130E-01	-.61107740E-02	-.13667910E-01	.18621330E-01
	1	-.69910830E+00	-.43083630E-01	.54974080E+00	-.65664290E-01	-.11744100E-02	-.11964170E+00	-.40014370E-01
	2	-.10594210E-01	-.19378800E-01	-.1370100E+00	-.2382420E-01	-.18785030E-01	.17626350E-01	-.28758120E+00
	3	.13434820E-02	.68951330E-01	-.36291030E-01	.16426060E-02	.2904910E+01	.1004990E-01	-.29187670E+00
	4	-.67444000E-02	.19019600E-01	-.16987410E-01	-.6373320E-01	.89106700E-01	.12640410E-01	.96410140E-01
	5	-.35345920E-02	-.37610200E-02	.58139240E-01	-.78122200E-02	-.82054610E-01	.13161450E-01	-.10887460E-01
	6	.13116720E-03	.17413160E-01	.18667520E-02	.23359440E-02	-.17246290E-02	.26413210E-01	.15012950E-01
	7	.10494370E-03	.10003030E-01	.12489207E-01	.16974060E-01	-.0372390E-01	-.1326440E-02	-.77987630E-01
	8	-.10180780E-03	-.11010730E-02	-.68133330E-01	-.311450E-01	.11572260E-02	-.2640350E-01	-.23771130E-01
	9	-.02447810E-02	-.10789710E-03	-.23170740E-02	-.15189320E-01	.44006820E-01	-.24918360E-02	.77464980E-01
	10	.64941030E-02	.77163780E-01	.28996790E-01	.14060770E-02	-.32212440E-01	.39711380E-01	.18911000E-01
	11	.30114400E-02	.40631440E-02	.11705700E-01	.31280780E-02	-.61574530E-01	-.11684430E-02	-.28974070E-01
II	12	-.23161730E-00	.18174950E-01	.17263280E-01	-.33489200E-01	-.27992130E-00	-.27869730E-01	.12661040E-01
	13	-.44203780E-01	-.18401760E-01	.14794290E-02	.17048070E-00	.60684560E-01	-.23267390E-01	-.77817630E-01
	14	-.14946700E-01	-.43147030E-00	.84404530E-00	.30167700E-00	.99181200E-01	.02290370E-01	.11004330E+00
	15	.35650100E-00	.59270740E-00	.11700190E-01	.66834640E-01	.44921840E+00	.36354201E+00	.11378640E+00
	16	.19323160E-01	.41610710E-01	.58492840E-01	.66039700E-00	-.53408480E-01	.14640410E+00	-.73060190E+00
	17	.95923110E-01	.15039370E-01	.90492400E-01	.29404980E-01	-.1325012E+00	.7164460E-01	-.2327140E-01
	18	.29240780E-02	.20249860E-02	-.42712720E-01	-.21209360E-01	.14310470E-01	-.11724930E-01	-.3338240E-01
	19	-.1294940E-01	.33751230E-01	-.45720180E-01	-.11374610E-01	-.64677280E-01	.96111230E-01	-.6073010E-01
	20	.13787350E-02	.02144410E-01	.32263180E-02	.07125130E-01	.25945310E-01	.02260380E-01	.18890200E-01
	21	-.13044010E-02	-.0377450E-02	.18721550E-02	-.33046320E-02	-.34401180E-01	.16320210E-02	-.07953540E-01
	22	-.17372180E-03	-.04650840E-02	-.17008400E-02	-.19572260E-01	.12835340E-02	.1237670E-02	-.042229E-02
	23	.6964072E-03	.54407130E-02	.15407130E-02	-.1250710E-02	-.0281740E-02	.16169320E-02	.14835340E-02
	24	-.77724310E-02	-.12020440E-03	-.23461130E-03	.74521410E-01	-.0724970E-01	.08793770E-02	.25510080E-02
	25	.6424710E-02	.67616170E-03	-.1670740E-03	.10003560E-03	.12042190E-02	.60397420E-02	-.44861120E-01
	26	.69807810E-03	.17162130E-03	.02809040E-02	.27403560E-02	-.0800540E-02	-.37303680E-02	.12172700E-03
	27	-.18464910E-02	.01424040E-02	-.25002740E-00	-.71314730E-02	.70274610E-02	-.11567110E-03	.72437800E-02
	28	.12137640E-03	.21973070E-03	.40518880E-03	-.64007740E-03	.1012340E-02	.23354210E-02	-.0318910E-02
	29	-.15613060E-03	-.75900910E-03	-.3704930E-03	-.13191780E-03	-.14233040E-02	.18160230E-02	.25616770E-02
	30	-.34644180E-03	-.12187180E-03	-.11874330E-03	-.33632150E-03	.11421370E-03	.3104640E-02	.01764080E-02
	31	.2497180E-03	-.22310730E-02	-.0172800E-02	.10311460E-02	.79112680E-02	.13742610E-03	.03071010E-02
	32	-.6313440E-02	-.15152100E-03	-.28644370E-03	.66975440E-03	-.35979730E-01	.1750040E-02	.2502390E-02
	33	.68967070E-02	.16117410E-03	-.20312940E-03	.68223360E-02	.05848710E-01	-.23307340E-02	-.18681210E-02
	34	.23024640E-03	.24544210E-02	.67596780E-02	.1132140E-02	-.18267190E-02	-.1136160E-02	-.7945940E-02
	35	-.11740310E-03	-.22116390E-02	.1329390E-02	-.5043100E-02	-.17064050E-02	-.6604610E-02	-.3572420E-02
III	36	.14679020E-01	-.1863940E-01	.14397260E-00	-.92119370E-00	.14641130E-02	.10390360E+00	.20514320E-01
	37	.03276440E-01	-.11428980E-00	.28576320E-01	-.60128610E-01	-.75327610E-03	-.36933680E-01	.18224180E-01
	38	.60520330E-01	.68200040E-00	.14366770E-00	-.9043040E-00	-.14327310E-01	.18804350E-00	-.0416970E-00
	39	.0281270E-00	-.7584910E-01	-.44010340E-00	.12937060E-01	-.12401140E-01	.1746350E-00	.37332090E-00
	40	.05010740E-00	.19139210E-01	-.49819080E-01	.69362480E-01	.16431840E-01	.13987180E-01	-.39129330E-00
	41	.14919870E-00	.25976370E-01	.02409870E-01	.12099710E-01	.66747470E-01	.10431370E-01	.02331770E-00
	42	-.11012440E-01	-.16019120E-02	-.27333720E-01	.41764770E-01	.6873560E-01	.71004380E-01	.7360700E-01
	43	-.19256620E-01	-.07932770E-00	-.60764130E-01	.49339380E-01	.1754180E-01	.66776440E-01	.66112390E-01
	44	-.07409370E-01	-.2781840E-02	-.11648170E-02	-.11648170E-02	.2373040E-00	.8640600E-01	.1066930E-01
	45	.64458720E-00	-.17373020E-02	-.24604070E-02	.7170740E-01	-.13942710E-01	-.60713250E-01	.1210730E-01
	46	.31494310E-02	.26159780E-02	.69797460E-01	.11210170E-02	.05976630E-01	.1494940E-02	.1494940E-02
	47	.91994260E-01	.47401130E-01	.13365340E-02	-.2353440E-02	.1216772E-02	.1897470E-00	.1220040E-02
	48	.10112840E-02	.19379710E-02	-.3716040E-02	-.22467720E-02	.18422040E-02	.14617110E-02	.22249380E-01
	49	.11333770E-01	.22236760E-02	.11633960E-02	.60362360E-01	.14160190E-02	.1336406E-02	.27946240E-01
	50	-.2327210E-02	-.18731240E-03	-.0246710E-01	.1249380E-02	-.0097340E-02	.1235940E-02	.21181930E-00
	51	-.14742120E-01	-.11060240E-01	-.1684060E-02	.2762272E-02	.32014420E-01	.37354930E-00	.1060400E-02
	52	-.60170640E-01	-.8235390E-01	.21249310E-02	.0202410E-02	.14243120E-01	.10449170E-02	.0319130E-00
	53	-.97140170E-01	-.13976340E-02	-.19243360E-02	.1537930E-00	.14927020E-02	.1278220E-01	.1572420E-01
IV	54	-.02369210E-01	-.04427840E-01	.6462460E-01	-.3518910E-00	.17435340E-00	-.4072310E-00	-.14621910E-01
	55	.04029870E-01	-.15661920E-00	-.18167080E-02	-.07610120E-01	-.02344740E-00	.25236620E-00	-.39372360E-01
	56	-.14023050E-00	.1212700E-00	-.10746180E-02	.18959880E-00	.16496410E-00	.6443000E-01	.22345940E-01
	57	.11591160E-01	.0877020E-00	.1896620E-01	.18975690E-00	.24921870E-00	.4449340E-01	.01736330E-01
	58	.57253420E-00	.74047340E-00	.16929180E-01	.6987610E-00	.6446030E-00	.23297120E-00	.18331250E-01
	59	-.1117770E-01	.15106220E-01	.15106220E-01	.7081141E-00	.1117920E-01	.14374120E-00	.67984810E-00
	60	-.17924820E-00	-.44712390E-00	.0994940E-01	.0701350E-00	.1040410E-00	.2405410E-00	.1807910E-00
V	61	-.02349421E-01	.14189310E-01	.1227210E-01	.74034960E-00	.15247110E-01	.0370660E-00	.0780761E-00
	62	-.62611320E-00	-.0242422E-01	.06933470E-00	-.1972610E-01	-.1710060E-01	.7264770E-00	.0116220E-01
	63	-.02349421E-01	.14189310E-01	.1227210E-01	.74034960E-00	.15247110E-01	.0370660E-00	.0780761E-00
VI	64	-.17162710E-01	-.11168010E-02	.14429640E-01	-.3518910E-00	.17435340E-00	-.4072310E-00	-.14621910E-01
	65	-.2944230E-01	.1232700E-00	-.10746180E-02	.18959880E-00	.16496410E-00	.6443000E-01	.22345940E-01
VII	66	-.134905E-00	.0877020E-00	.1896620E-01	.6987610E-00	.6446030E-00	.23297120E-00	.18331250E-01
	67	-.134905E-00	.0877020E-00	.1896620E-01	.6987610E-00	.6446030E-00	.23297120E-00	.18331250E-01
VIII	68	-.02349421E-01	.14189310E-01	.1227210E-01	.74034960E-00	.15247110E-01	.0370660E-00	.0780761E-00
	69	-.02349421E-01	.14189310E-01	.1227210E-01	.74034960E-00	.15247110E-01	.0370660E-00	.0780761E-00
IX	70	-.02349421E-01	.14189310E-01	.1227210E-01	.74034960E-00	.15247110E-01	.0370660E-00	.0780761E-00
	71	-.02349421E-01	.14189310E-01	.1227210E-01	.74034960E-00	.15247110E-01	.0370660E-00	.0780761E-00

Table B.8 Coefficients to Represent the Global Variation of the Median Value of foF2 for August 1975 (Continued)

HARMONIC		4		5		6	
	$\frac{S}{K}$	7	8	9	10	11	12
I	0	.1859630E-01	-.8105004E-02	.4112880E-01	-.1364918E-01	.1074475E-01	.6079525E-02
	1	-.1364688E-00	.2847148E-00	.1120375E-00	.1098478E-01	-.1490762E-01	.2216575E-00
	2	-.1874768E-01	.2420476E-01	-.4045418E-00	.1582145E-01	-.1415433E-00	-.2444325E-00
	3	-.2514500E-01	-.4482750E-01	-.1007410E-01	-.1797870E-01	.7522937E-01	-.3128470E-01
	4	-.1674478E-01	.7113938E-01	.6023765E-01	-.3770440E-01	.6081545E-01	.2402337E-01
	5	.1259485E-02	.2289340E-02	.3909493E-01	.1112934E-02	-.5442724E-01	.1726351E-02
	6	.5938155E-01	-.3405818E-01	-.1814240E-02	.2576820E-01	-.1175134E-01	-.6093014E-01
	7	-.2923467E-02	-.4372252E-02	.7432467E-01	-.2850744E-02	.1404546E-02	-.1038419E-02
	8	-.4968288E-01	.4446215E-01	.1848155E-02	.3421840E-01	.1591144E-02	.6231365E-01
	9	.2218240E-02	.1948058E-02	.6719027E-01	.2701321E-02	.2035020E-02	.1623136E-02
	10	.2721418E-01	-.2367242E-01	-.7511405E-01	-.1517100E-01	-.5942134E-01	-.2231440E-01
	11	-.7103757E-01	-.1245178E-02	-.2594440E-01	-.4824453E-01	.7778161E-01	-.4747880E-01
II	12	-.1498844E-01	.7753488E-01	-.1857710E-01	.3344936E-01	-.9012400E-01	-.6467740E-01
	13	-.0264830E-02	.2049800E-02	.1531125E-01	-.2181643E-01	-.1434111E-01	-.3440200E-01
	14	.1638742E-00	.3931382E-00	.7634831E-01	-.3567745E-00	.3750202E-01	.3782103E-00
	15	-.6701218E-00	-.4040017E-01	-.2466378E-00	.1595540E-00	.3753734E-00	.2546773E-00
	16	-.2308378E-00	.3048524E-00	.1347988E-01	-.7941714E-01	.1884704E-01	.1467402E-01
	17	-.1075213E-01	-.1101228E-01	-.1357372E-00	-.1597372E-00	.6432435E-00	.9082350E-00
	18	.2432358E-01	-.6043256E-01	.8289754E-00	.7138840E-01	-.1706443E-01	-.7819441E-01
	19	.5647531E-01	.4447277E-01	.4594800E-01	-.3269147E-01	.8217407E-01	-.4873381E-01
	20	.6407701E-01	.1874544E-01	-.1088993E-02	.3894603E-01	-.1354781E-02	-.1147480E-02
	21	-.8323480E-00	.9021294E-01	.1434700E-01	.5516441E-01	-.3941331E-01	-.2639307E-01
	22	-.1276778E-02	.3777848E-02	-.7763326E-01	-.4225240E-02	.1173772E-02	.2841304E-02
	23	-.1647670E-02	-.3171747E-02	.1530824E-02	-.1597372E-02	.7741113E-02	-.2741365E-02
	24	-.1828708E-02	-.1120403E-02	.8155170E-02	-.1463447E-02	.3749313E-02	.3340732E-02
	25	.1277481E-01	.2464802E-01	.4940417E-01	.1542724E-02	.1359435E-02	-.4427080E-01
	26	.2496718E-02	-.8383393E-02	.2402351E-02	.1031276E-01	-.1463480E-02	-.6275310E-02
	27	.2452164E-02	.2741127E-02	.2710635E-02	-.5271871E-02	-.1225193E-03	-.4284440E-02
	28	.4814421E-02	.1880580E-02	-.3741031E-02	.2872491E-02	-.4435484E-02	-.4093180E-02
	29	.9427012E-01	-.3184740E-01	-.1771711E-01	.2381931E-01	.1597101E-01	.1597101E-01
	30	.2323278E-02	.9206478E-02	-.3013542E-02	-.1114881E-01	.4914420E-02	.6488801E-02
	31	-.6704239E-01	-.1714204E-02	-.4871542E-02	.8103177E-02	.1337091E-01	.6345320E-02
	32	-.2516138E-02	.2464990E-02	.1614450E-02	-.1471485E-02	.2300320E-02	.1778594E-02
	33	-.1211100E-01	-.1901141E-02	.1464840E-01	-.1204322E-02	.4811110E-01	-.1036473E-02
	34	-.8617934E-01	-.1717380E-02	.1348467E-02	.4460811E-02	-.2100357E-02	-.2548480E-02
	35	-.2439347E-01	.2281802E-01	-.2502213E-02	-.2418240E-02	-.3745988E-02	-.2327715E-02
III	36	-.1023462E-01	.2241242E-01	-.1512222E-02	-.3715110E-01	-.4687227E-03	-.8990007E-01
	37	-.3683742E-01	-.3188241E-01	.9454682E-02	.3100184E-01	.2574727E-01	.2364174E-01
	38	.1408527E-01	-.7223460E-01	.4313440E-01	.2071270E-00	-.1717444E-01	.7301880E-01
	39	.1109312E-00	.1646533E-01	-.1611032E-00	.6889290E-01	.7144000E-01	.7719100E-01
	40	.1237238E-01	.7236194E-01	.1761450E-00	.8238844E-00	-.1323278E-00	.2334110E-00
	41	-.2659734E-01	.6783546E-00	-.3142018E-00	-.3198172E-00	.3282733E-00	-.4440088E-00
	42	-.2707734E-00	.3237418E-00	-.6723068E-00	-.1116712E-01	.4931612E-00	.2214417E-00
	43	-.2136432E-01	-.2406090E-00	.1461464E-01	.6738011E-00	.4393611E-00	.5403440E-00
	44	-.8214302E-00	.4382750E-01	.1584940E-00	.3713701E-01	.5151313E-00	.3284043E-00
	45	.9442444E-00	-.1598028E-01	.1278307E-01	.1024843E-01	.1424132E-01	.1487731E-01
	46	.1464627E-01	.2594718E-00	.1894428E-01	.2498224E-01	.4462270E-01	-.1114273E-01
	47	.6843248E-01	.1297848E-01	.7340147E-01	-.1461794E-01	-.1894432E-01	-.4024410E-00
	48	.1267404E-02	.7582518E-01	-.6218974E-00	.9611742E-01	-.1894432E-01	-.2367740E-01
	49	.2463818E-01	.2466422E-00	.1347317E-00	-.4441542E-01	.1818130E-01	.2466422E-01
IV	50	-.1973617E-01	-.2894422E-00	-.1437322E-01	.1720000E-01	.9210401E-00	.8817942E-00
	51	-.4075111E-01	-.1711779E-01	.4261577E-01	.1199271E-01	.1594235E-01	.1476143E-00
	52	.7557879E-01	.4649472E-01	.6861101E-00	.2408371E-01	.1561246E-01	.2834242E-01
	53	.2126722E-01	-.6823194E-01	-.1168246E-01	.4371670E-01	.1894174E-01	.6418743E-00
	54	-.1744344E-01	-.4482248E-01	-.2769135E-01	-.2161494E-01	.1847472E-01	.1944442E-01
V	55	-.6382184E-01	-.1174931E-01	.3796780E-01	-.2594547E-02	.1434724E-01	.6418743E-01
	56	.7879221E-02	.2214978E-01	.2832544E-02	.1116214E-02	.2244727E-01	.1264937E-00
	57	-.4074448E-01	.6610418E-02	-.1881732E-00	.4011191E-01	.6975172E-01	.1991824E-00
	58	-.2214048E-00	.1871964E-00	.1363722E-00	-.6212740E-01	.4312923E-00	.2464932E-00
	59	.3197430E-00	-.1767133E-01	-.1402214E-00	.4944541E-00	.2461213E-00	.2461213E-00
VI	60	.1611944E-01	-.4784206E-01	.1393148E-01	.1371292E-00	-.1473182E-01	.2391314E-00
	61	.1444124E-01	.1118137E-00	.4949277E-02	.1512547E-00	.4784314E-01	.4784314E-01
	62	.6124617E-00	.9461340E-02	-.3447147E-02	.4484614E-01	.4784314E-01	.4784314E-01
	63	.6448344E-00	.1768104E-00	.1506871E-00	.7878408E-01	.4827133E-00	.4827133E-00
	64	.2623474E-00	-.7173172E-01	-.3446174E-02	.1121144E-01	.1274374E-01	.7452742E-02
VII	65	.0344344E-01	.2347128E-00	.4582781E-02	.6777442E-02	.1461144E-01	.1721144E-01
	66	.1127472E-00	.4384412E-00	.4374412E-00	.5214420E-01	.2444420E-01	.4328472E-01
	67	-.6134474E-00	.6747164E-01	-.4744434E-01	-.3437462E-01	-.1444420E-01	.2274474E-01
	68	.7744424E-01	.4144424E-01	.1272727E-02	.1444424E-02	.1444424E-02	.1444424E-02
	69	.2244424E-01	.9184424E-01	.1444424E-02	.1444424E-02	.1444424E-02	.1444424E-02
VIII	70	-.1444424E-01	-.4344424E-01	-.1444424E-01	.3244424E-01	.4444424E-01	.1444424E-01
	71	-.6444424E-01	.2274424E-01	.4444424E-01	.9444424E-01	.1444424E-01	.1444424E-01
	72	.1444424E-01	.1444424E-01	.1444424E-01	.1444424E-01	.1444424E-01	.1444424E-01
	73	.1444424E-01	.1444424E-01	.1444424E-01	.1444424E-01	.1444424E-01	.1444424E-01
	74	.1444424E-01	.1444424E-01	.1444424E-01	.1444424E-01	.1444424E-01	.1444424E-01
IX	75	.1444424E-01	.1444424E-01	.1444424E-01	.1444424E-01	.1444424E-01	.1444424E-01
	76	.1444424E-01	.1444424E-01	.1444424E-01	.1444424E-01	.1444424E-01	.1444424E-01
	77	.1444424E-01	.1444424E-01	.1444424E-01	.1444424E-01	.1444424E-01	.1444424E-01
	78	.1444424E-01	.1444424E-01	.1444424E-01	.1444424E-01	.1444424E-01	.1444424E-01
	79	.1444424E-01	.1444424E-01	.1444424E-01	.1444424E-01	.1444424E-01	.1444424E-01

Table B.9 Coefficients to Represent the Global Variation of the Median Value of foF2 for September 1975

HARMONIC		0	1	2	3	4	5	6
	S	0	1	2	3	4	5	6
	K	0	1	2	3	4	5	6
I	0	.57672610E+01	-.14073370E+00	.83755170E-01	.16700940E+00	-.13057450E+00	-.31344330E-01	.15757190E-02
	1	.62080100E+00	-.10882140E+01	.72997280E+00	.34616130E-01	-.34661070E+00	-.99124330E-01	-.15687400E+00
	2	.12950130E+02	-.94908790E+00	-.16058540E+00	-.31820190E+01	-.23382060E+01	.83011220E-01	-.23691620E-01
	3	-.6747070E+01	.19760710E+02	-.91800120E+01	-.4283330E+01	.9823480E+01	.17554750E+00	.27337750E+01
	4	-.8491320E+02	.17214470E+02	-.44219190E+02	.12441850E+02	-.2440940E+01	-.10732040E+00	.40461320E+00
	5	.20085230E+02	-.11317770E+03	.20310630E+02	-.25105710E+02	-.43812130E+02	.22476070E+01	-.14597930E+02
	6	.13625030E+03	-.52117280E+02	.38605940E+01	-.20300440E+02	.12891720E+02	.76197000E+03	-.37789430E+00
	7	.21944110E+01	.27408270E+03	-.44336400E+02	.48881180E+02	.73830090E+02	-.4284960E+01	.31679300E+02
	8	-.14744820E+03	.34882330E+02	-.71562040E+02	.15267030E+02	-.26142260E+02	-.18733730E+01	-.2461340E+02
	9	-.40101010E+02	-.2901010E+03	.44888460E+02	-.39775780E+02	-.22957060E+02	.3622810E+01	-.34308670E+02
	10	.86873180E+02	-.1874440E+02	.24881340E+01	-.43740090E+01	.15821490E+02	.12459960E+01	.3346430E+00
	11	.32674390E+02	.11040230E+03	-.20344730E+02	.11674350E+02	-.18475100E+02	.11273130E+01	.12611200E+02
II	12	-.79421170E-01	.21794430E+01	.14624380E+01	.69024130E-01	-.26187190E+00	-.61722380E-01	.60596790E-01
	13	-.9429900E-01	-.1395880E+01	.19019120E+01	.1254970E+00	.9211080E-01	-.91107280E-01	-.14689740E+00
	14	.41187260E+00	.96076490E+00	.40329290E+00	-.66555120E-01	.6119310E+00	.18002270E+00	.30007270E-01
	15	.2012470E+02	.16490870E-01	.1339880E+01	.2464140E+00	.44442030E+00	.6404390E+00	-.85031320E-01
	16	.17904110E+01	.4134140E+01	.72411880E+01	-.66915770E-01	.22355430E+01	.15161620E+01	-.91881090E+00
	17	.14912750E+01	-.62953100E+01	.44915970E+01	.17211980E+01	.27317320E+01	.63101770E+00	.30537680E+01
	18	.1101090E+01	-.34882330E+01	-.21081170E+01	.18427440E+01	-.1203150E+01	-.68859440E+00	.3582200E-01
	19	.44921250E+01	.12322920E+02	-.11188860E+02	-.1201340E+02	-.1364910E+02	-.10909410E+02	-.25018820E+01
	20	.14159300E+02	.98194610E+01	.28162180E+02	-.33943480E+01	.24434710E+02	.12891510E+02	.3360330E+01
	21	.6544400E+02	-.87244030E+02	-.2167790E+02	-.16677760E+02	.2637030E+02	.2275630E+01	-.1618970E+02
	22	-.28432210E+02	.22208730E+02	.4341640E+02	-.32428320E+02	.72401260E+02	-.24472670E+00	.37601130E+01
	23	-.60843240E+02	-.22292280E+02	.4341640E+02	-.32428320E+02	.72401260E+02	-.24472670E+00	.37601130E+01
	24	-.7441870E+02	-.12374910E+02	-.2374910E+02	.21631710E+02	.0749420E+02	.3555330E+02	-.11394480E+01
	25	-.7101270E+02	.44882770E+02	-.9022630E+02	.43142270E+02	.64217770E+02	-.22362680E+02	.1057080E+02
	26	.44921250E+02	-.1022150E+03	-.14073370E+03	.12924040E+03	.6292930E+02	.1720240E+02	-.3473930E+02
	27	.11895300E+03	.19291710E+03	-.86676140E+02	-.27374110E+03	-.17040220E+03	-.11201340E+03	-.7810030E+02
	28	.1057370E+03	.30402210E+03	.4038640E+03	-.24223860E+02	-.10709160E+03	-.57491410E+02	-.6590180E+02
	29	.8411900E+02	-.7022270E+03	-.2101090E+03	-.39643820E+02	-.22783820E+02	.7047900E+01	-.2047900E+01
	30	-.12648240E+03	.17463750E+03	.27460470E+03	-.1826340E+03	.16405980E+02	-.40081190E+02	.6074980E+02
	31	-.4615940E+02	-.28979230E+03	.42464750E+02	.23149820E+03	.15820270E+03	.11238710E+03	.3948480E+02
	32	-.4604880E+02	-.16113940E+03	-.20936710E+03	.21959720E+02	.3060100E+02	.2014910E+02	.7584840E+01
	33	-.42467260E+02	.19300470E+03	-.13291130E+03	.27304770E+02	.35188860E+02	-.20597810E+02	.23731130E+01
	34	.36444140E+02	-.96365940E+02	-.12237420E+03	.69631120E+02	-.1932940E+02	-.23868330E+02	-.23368270E+02
	35	-.9062870E+01	.1246140E+03	-.17467010E+03	-.1422180E+03	-.1679610E+02	-.4040820E+02	-.3967430E+02
III	36	.1629440E+00	-.23244920E+00	-.2673830E+00	-.97277110E+00	.16092730E+00	.1280270E-01	-.63841740E-01
	37	.2053080E+00	.15362190E+00	-.97176130E+00	-.12299310E+00	-.0116720E+01	-.10874570E-01	-.16080880E-01
	38	-.12147440E+00	.13944420E+00	.18943180E+00	.12189120E+00	.11002410E+01	.47059230E+00	.61823230E+00
	39	-.17315940E+01	.10032480E+02	.17791932E+01	.2346780E+01	.0376740E+00	-.42225540E+00	.21302280E+01
	40	-.3617120E+01	-.14600970E+01	.30678020E+01	-.26246810E+01	.4230170E+01	-.8629200E+00	-.71863920E+00
	41	-.95901040E+01	.3121510E+01	-.0337240E+01	.11774710E+02	.1360230E+01	-.3123230E+01	.21241810E+01
	42	.2154010E+01	-.1878110E+01	-.1864520E+01	.2463600E+01	.5823423E+01	-.24788050E+01	-.26789370E+01
	43	.1131040E+01	-.2094710E+02	-.1181070E+02	-.0138340E+02	-.0138340E+02	-.1758230E+02	-.1758230E+02
	44	.2071540E+02	.1131040E+02	-.10785140E+02	.1464490E+02	-.3392402E+01	.2178402E+01	.3622080E+01
	45	.1386440E+02	.4291640E+02	.2194640E+02	-.1873140E+02	-.51311230E+01	.73205710E+01	.2468840E+01
	46	-.77214030E+01	.37708030E+01	.1929440E+02	.1244410E+02	.42439570E+02	.64297130E+01	.35932380E+01
	47	.1217490E+02	.78140230E+01	.14943880E+02	-.42792180E+02	.1746880E+01	-.11249130E+02	.2679370E+02
	48	-.1041110E+02	-.18644810E+02	.27810180E+02	-.1444110E+01	-.1173780E+01	-.1123780E+01	-.1123780E+01
	49	-.1034730E+02	-.1930750E+02	-.18430240E+02	.3182700E+02	.3699740E+02	.34644130E+01	-.2305280E+01
	50	-.1034730E+02	-.1930750E+02	-.18430240E+02	.3182700E+02	.3699740E+02	.34644130E+01	-.2305280E+01
	51	-.1034730E+02	-.1930750E+02	-.18430240E+02	.3182700E+02	.3699740E+02	.34644130E+01	-.2305280E+01
	52	-.1034730E+02	-.1930750E+02	-.18430240E+02	.3182700E+02	.3699740E+02	.34644130E+01	-.2305280E+01
	53	-.1034730E+02	-.1930750E+02	-.18430240E+02	.3182700E+02	.3699740E+02	.34644130E+01	-.2305280E+01
IV	54	-.1180110E+00	.1901340E+00	.0819440E+00	-.56627010E-01	.4266550E-01	-.14261570E+00	-.60107380E+00
	55	.0072640E-01	-.1344810E+00	-.10108420E+00	-.67359770E-01	-.4222440E-01	.00211130E+00	-.6242370E+00
	56	.1042130E+00	.74846130E+00	-.22979680E+02	.36215030E+00	-.6889710E-01	.2206360E-01	-.6349310E+00
	57	-.1107310E+00	.1218140E+00	.3132220E-01	.3181560E+00	.4660970E+00	.6242000E+00	.13345680E+00
	58	.2211940E+01	-.0690870E+00	-.1171610E+01	.12846210E+00	.12616130E+00	-.63766120E+00	.17031360E+01
V	59	-.6079130E+00	.02407050E+01	-.0194440E+00	.3120940E+00	.1598250E+00	-.1135710E+01	.6777190E+00
	60	-.6161660E+00	.17378120E+00	.10939180E+00	.2797270E+00	.07619130E+00	-.6164210E+00	.12321790E+01
	61	-.4493660E+00	.1210170E+00	.0722440E+00	.2797270E+00	.11025240E+01	-.13377170E+01	-.6010940E+00
	62	-.0091470E+01	.2219330E+02	.17316970E+01	-.0701470E+01	-.2726970E+00	-.16261430E+01	-.2408040E+01
	63	-.0091470E+01	.2219330E+02	.17316970E+01	-.0701470E+01	-.2726970E+00	-.16261430E+01	-.2408040E+01
VI	64	.0022940E+00	-.1722770E+00	-.1676560E+00	-.12635230E+00	-.84649710E-01	.11339130E+00	.44608920E-01
	65	.0115150E+00	.0060770E+00	.0060770E+00	.0207090E+01	-.1070440E+01	-.0060770E+00	-.0060770E+00
VII	66	.1131040E+00	-.18644810E+00	-.27810180E+00	-.0670210E+00	-.0670210E+00	.0670210E+00	.0670210E+00
	67	-.213480E+00	.1930750E+00	.18430240E+00	-.3182700E+00	-.3182700E+00	-.3182700E+00	-.3182700E+00
VIII	68	-.6134040E+00	.44571610E+00	.33088870E+00	.81371130E-01	.8466620E+00	-.10207170E+00	-.11254630E+00
	69	-.6134040E+00	.44571610E+00	.33088870E+00	.81371130E-01	.8466620E+00	-.10207170E+00	-.11254630E+00
IX	70	-.14347010E+01	.02907010E+01	.06791130E+01	.1240910E+01	.27647710E+01	.27647710E+01	.49477040E+00
	71	-.14347010E+01	.02907010E+01	.06791130E+01	.1240910E+01	.27647710E+01	.27647710E+01	.49477040E+00

Table B.9 Coefficients to Represent the Global Variation of the Median Value of foF2 for September 1975 (Continued)

HARMONIC		4		5		6	
	S	7	8	9	10	11	12
I	0	.02266970E-02	-.10761810E-01	.16593750E-01	-.15221520E-01	-.09190975E-02	.05251780E-02
	1	.14603610E-01	.11613240E-00	.11461240E-01	.37206140E-01	-.32528120E-04	-.14992610E-00
	2	.10242860E-01	.50935190E-00	-.20407320E-00	.53104250E-00	.18351940E-00	-.24617240E-00
	3	-.07056960E-00	-.23753310E-01	.13444910E-00	-.49182540E-00	-.35192490E-00	.24467952E-01
	4	-.00219280E-01	-.39146180E-01	.15916210E-01	-.39100430E-01	-.05742440E-00	.14617460E-01
	5	.00051090E-01	.11373540E-02	-.2219111E-01	.27800130E-01	.11527140E-01	-.13506350E-02
	6	.25722600E-02	.04976700E-01	-.03546260E-01	.05054720E-01	.14150100E-01	-.00367770E-01
	7	-.04043140E-01	-.20212240E-02	.33190740E-01	-.00717260E-01	-.07292170E-01	.31260810E-02
	8	-.10023200E-02	-.70949540E-01	.45077420E-01	-.11813400E-02	-.10004710E-01	.01227400E-01
	9	.71072640E-01	.16117350E-02	-.36942300E-01	.00023180E-01	.00187020E-01	-.32057780E-02
	10	.13034940E-02	.21494400E-01	-.10763740E-01	.50491350E-01	.24310310E-00	-.20381400E-01
	11	-.20627110E-01	-.00093360E-01	.22656200E-01	-.25539030E-01	-.29011100E-01	.12012300E-02
II	12	-.38301360E-02	-.20152770E-01	-.10590440E-02	.26791460E-01	.13216120E-01	-.18801440E-01
	13	.21671980E-01	.28056130E-01	-.70890360E-02	.11573720E-01	-.23114640E-01	.27040740E-01
	14	.0503410E-01	.33741300E-00	-.1778440E-00	.2188336E-01	-.12399110E-00	.13703720E-00
	15	.37009010E-01	-.20010440E-01	-.37433830E-01	-.10077360E-00	.11919710E-00	.33290350E-01
	16	-.04618410E-00	.07560610E-00	.00213170E-00	-.7553490E-00	-.23590570E-00	.25967170E-00
	17	.05136740E-00	-.21838810E-02	.15447470E-00	.4598140E-02	.71719460E-02	-.11870010E-01
	18	-.20526360E-01	.7728201E-01	.28074940E-01	.36449200E-00	.32941310E-00	-.37166170E-01
	19	.05432940E-01	.11148030E-01	.14647180E-01	.05882710E-00	.14016220E-01	-.23446300E-01
	20	.702E-01	-.0120040E-01	-.28400940E-01	.4020840E-01	.28967700E-01	-.13367552E-01
	21	.000E-01	.20723270E-02	-.14341680E-01	.75507160E-00	-.59077910E-01	.11567720E-01
	22	.36E-02	.03262470E-02	-.11031720E-02	-.3545330E-01	-.74345250E-01	.27600050E-01
	23	.0357190E-02	.11373540E-02	.13324000E-02	.1789740E-02	.00202040E-01	-.12870292E-02
	24	-.1357170E-02	.1993030E-02	.17204100E-02	-.12860050E-02	.15067760E-02	.04104324E-01
	25	.1233420E-02	-.09011440E-02	.05491050E-01	.03798630E-01	.15572030E-02	-.38933760E-02
	26	-.5576040E-02	.10117420E-03	.11917150E-02	.1467860E-02	.25867100E-01	-.02631400E-01
	27	-.0351620E-02	-.5949770E-02	.3376360E-02	-.10175030E-02	-.1149130E-02	.53306370E-02
	28	.0239110E-02	.20117710E-02	-.2010970E-02	.14865060E-02	.11513750E-02	-.06800570E-01
	29	-.1003210E-02	.00692720E-02	-.11112810E-02	.1350400E-02	-.20578760E-02	.92193060E-02
	30	.64078010E-02	.20934470E-03	.33266430E-01	-.0160610E-02	.11492460E-02	.73036730E-02
	31	.1409680E-03	.0126970E-02	.26347790E-02	.2107620E-02	.00374632E-01	.3100440E-02
	32	-.1114630E-02	.16497420E-02	.03000710E-01	-.00095630E-01	-.0141130E-01	.11133170E-01
	33	.3207270E-01	-.0032460E-02	.40221170E-01	-.0194490E-01	.00722130E-01	-.24720100E-01
	34	-.25906190E-02	-.0043240E-02	-.7711780E-01	.10463810E-02	.38211190E-00	-.3118943E-01
	35	-.0037640E-02	-.10161240E-02	.1390230E-02	-.1736400E-02	.77391700E-01	-.2489980E-02
III	36	-.10750310E-01	-.11161790E-02	-.28076340E-01	-.70074670E-02	.13726190E-01	.10366190E-02
	37	-.24013110E-01	.20740720E-01	.03507620E-02	.23110030E-01	-.24919210E-01	-.4441012E-01
	38	-.16618460E-00	.03673900E-02	-.2803240E-01	.30130210E-01	-.0119530E-01	-.1390330E-01
	39	-.0018400E-00	-.1117220E-00	-.7827110E-01	-.13978070E-00	-.1117400E-00	-.1803780E-00
	40	.00326160E-01	.0321070E-00	.2618212E-00	.4044070E-00	-.0335000E-00	.38416820E-00
	41	.16737770E-00	-.3316470E-00	-.04246610E-00	.07336140E-00	.0373367E-02	.0000020E-00
	42	.2013460E-01	.2759210E-00	.03174310E-00	.01902200E-00	.27401100E-01	.1276410E-00
	43	-.11331620E-01	.70602030E-01	.7503320E-00	.33595220E-01	-.12231450E-01	.2497430E-01
	44	.16061320E-01	-.24976150E-01	-.22531650E-01	-.22030150E-01	.01141370E-01	-.29761180E-01
	45	.0078310E-00	.3310610E-01	.11603070E-01	.25392180E-01	-.1329435E-01	-.07290180E-01
	46	.73114030E-01	-.11913410E-01	-.28943720E-01	-.25813790E-01	-.0001000E-00	-.2031943E-01
	47	.0497940E-00	.0100040E-01	-.24100770E-01	.06453040E-01	.13971620E-01	.0223740E-00
	48	.1468070E-01	.04331060E-01	.33232630E-01	.1011170E-01	-.1233060E-02	.0260607E-01
	49	-.12498160E-01	.12498710E-02	-.13273730E-01	-.20266620E-01	.01925460E-01	.0081910E-01
	50	.0316911E-01	.11020710E-01	.2301010E-01	.0709013E-01	.0046070E-00	.16136650E-01
	51	.00260170E-01	.00747420E-01	.0703270E-01	.7121816E-01	-.1071130E-01	-.3716617E-01
	52	.2745490E-01	-.2126190E-01	-.2866740E-01	-.0227040E-01	.0394633E-01	-.0078010E-01
	53	.0701610E-00	.06265910E-01	-.1710460E-00	.1043790E-00	-.1117940E-01	-.2566740E-01
IV	54	-.1000740E-01	-.03307310E-02	-.03337150E-02	.00273840E-02	.0744173E-02	.0130430E-02
	55	-.10531020E-01	.0710100E-01	.03022040E-02	.01302990E-02	.11339180E-02	.1366140E-02
	56	-.0003020E-01	.23773320E-00	.0004260E-02	.3293221E-01	.0055452E-02	.2230160E-00
	57	.07127210E-00	-.01294090E-01	.11442460E-00	-.1036640E-00	.1432747E-01	-.0147870E-02
	58	-.1227270E-00	.03939720E-01	.0467210E-01	-.2747470E-00	.07107930E-01	-.16193220E-02
	59	.10897940E-00	.30236130E-00	.0672710E-01	.7248244E-01	.02397330E-01	.7373832E-01
	60	.1720470E-00	.04003610E-00	.1811270E-01	.01099330E-00	.13461730E-00	.01231120E-01
	61	.04074160E-00	.0340611E-01	.07001820E-02	.54002210E-01	.7102460E-01	.1107120E-01
V	62	.13156170E-00	.0140115E-00	.02274820E-00	.3241440E-00	.21394770E-02	.25469170E-02
	63	-.13746210E-00	.03317480E-00	.1272291E-00	-.06782720E-01	-.1442940E-02	.13972740E-02
	64	.0031040E-00	-.04755030E-01	-.01402040E-01	.10072740E-01	.0127941E-02	.1297430E-01
	65	.04022120E-01	.28971010E-00	.12436420E-01	.0127130E-01	.0111663E-02	.2702940E-02
VI	66	.04022120E-01	.28971010E-00	.12436420E-01	.0127130E-01	.0111663E-02	.2702940E-02
	67	-.10119320E-00	.22493970E-01	.07216410E-01	-.10787220E-01	.0343170E-02	.1123767E-01
VII	68	.0031040E-00	-.04755030E-01	-.01402040E-01	.10072740E-01	.0127941E-02	.1297430E-01
	69	.04022120E-01	.28971010E-00	.12436420E-01	.0127130E-01	.0111663E-02	.2702940E-02
VIII	70	.04022120E-01	.28971010E-00	.12436420E-01	.0127130E-01	.0111663E-02	.2702940E-02
	71	.04022120E-01	.28971010E-00	.12436420E-01	.0127130E-01	.0111663E-02	.2702940E-02
IX	72	.04022120E-01	.28971010E-00	.12436420E-01	.0127130E-01	.0111663E-02	.2702940E-02
	73	.04022120E-01	.28971010E-00	.12436420E-01	.0127130E-01	.0111663E-02	.2702940E-02

Table B.10 Coefficients to Represent the Global Variation of the Median Value of foF2 for October 1975

HARMONIC		0	1	2	3	4	5	6
	$\frac{S}{K}$	0	1	2	3	4	5	6
I	0	.74713400E+01	-.8977430E-01	-.20480120E+00	.69351940E-01	.12911540E+00	-.45455910E-02	-.82374380E-01
	1	.15818750E+01	-.62212620E+00	.12767400E+01	-.12324310E+00	-.50488540E+00	-.27840240E+02	-.14411700E+00
	2	.14781770E+02	.37190570E+01	.20865700E+01	.32896770E+00	-.15848080E+01	-.34713970E+00	.10437640E+01
	3	-.18241970E+02	.14366720E+02	-.15378100E+02	.47126240E+01	.10704890E+02	-.17025180E+02	.1444520E+01
	4	-.02859470E+02	.18700500E+02	.10443370E+01	-.67001100E+01	.26318900E+01	.21244970E+01	-.72177790E+01
	5	.14076100E+02	-.96368160E+02	.61181400E+02	-.22820210E+02	-.50029300E+02	.87037610E+01	-.10376420E+02
	6	.17683420E+03	-.75124070E+02	.44488410E+01	.72004370E+02	.57316800E+01	-.25301120E+01	.11164950E+02
	7	.74444440E+02	.25021200E+03	-.13364410E+03	.39384870E+02	.3544440E+02	-.24187950E+02	.3323010E+02
	8	-.15344820E+03	.9185640E+02	-.14122890E+02	-.27372160E+02	-.15071530E+02	-.19176800E+02	-.1563990E+02
	9	-.18806890E+03	-.27900700E+03	.13700310E+03	-.27324510E+02	-.30151640E+02	.2367740E+02	-.4313546E+02
	10	.5154680E+02	-.35931100E+02	.84049130E+01	.11677480E+02	.84677240E+01	.9659870E+03	.07881930E+01
	11	.94617040E+02	.10261120E+03	-.9224330E+02	.62101420E+01	.24383080E+02	-.78365820E+01	.1804400E+02
II	12	.17695580E+00	.21735770E+01	.13444580E+01	.12020330E+00	.56419190E-02	.40553380E-01	.14786020E-01
	13	-.31224770E+00	-.12451740E+01	.21464730E+01	-.11874640E+00	.33119790E+00	-.71579180E-01	-.74283940E-01
	14	.61741640E+00	.32204720E-01	.11410900E+00	-.44618110E+00	.15193210E+01	-.10264520E+01	-.10466370E+02
	15	.11497330E+01	.7920420E+00	.22448580E+01	-.71252740E+00	.2703880E+00	-.53842820E-01	.4144440E+00
	16	-.10641640E+02	.51104220E+01	.79453280E+01	-.61386010E+01	.3040280E+01	-.2415440E+00	-.61484140E+00
	17	.24110140E+01	-.36433900E+01	.12733840E+02	.36727070E+01	-.35487770E+01	-.71738370E+00	.30013600E+01
	18	.11789310E+01	.13063010E+02	.2438130E+02	.61854330E+01	-.2440970E+01	.18461510E+02	-.62019330E+01
	19	.67504470E+00	-.21918010E+02	-.21402870E+02	-.34679370E+00	-.1191020E+02	.2803840E+01	-.10240350E+01
	20	.21195890E+02	.2137540E+02	.44060340E+02	.17418600E+02	-.61164840E+02	.1343730E+02	.6932020E+02
	21	.14401250E+02	-.90735940E+02	-.2092210E+02	-.13567380E+02	.2771590E+02	-.1479440E+02	.1425110E+02
	22	-.15844420E+02	-.11478140E+03	.10463140E+03	-.23584730E+02	.27337370E+02	-.18942240E+02	.25444250E+02
	23	-.49377180E+02	.57724210E+02	.47041710E+02	.27544330E+02	.9002190E+02	-.14974010E+02	.70646100E+02
	24	-.61363070E+02	-.21617340E+03	-.3343810E+03	-.8700210E+02	.15520770E+03	-.13016020E+03	-.23374620E+02
	25	-.10461870E+03	.62342970E+03	.10335310E+03	.15958420E+02	-.92180700E+03	-.3506270E+03	.2815280E+02
	26	.19407950E+02	.2511040E+03	.12592070E+03	-.2720470E+02	.9727410E+03	.21483630E+03	.7511228E+02
	27	.13677120E+03	-.15367230E+03	-.88254030E+02	-.61164840E+02	-.15848080E+03	-.44618110E+02	.1425110E+02
	28	.48912920E+02	.15142540E+03	.5510330E+03	-.5116770E+03	-.21554170E+03	.3120390E+03	.3361740E+02
	29	.15936970E+01	.64449820E+03	.2495540E+03	-.43124580E+00	.1917480E+02	.7544740E+02	-.1071410E+02
	30	.74476450E+02	-.10647380E+03	-.1744550E+03	.34522070E+03	.82212110E+00	-.2377240E+03	.1003580E+03
	31	-.127408150E+03	-.66264120E+02	.3944390E+02	.63202840E+02	.13398110E+03	-.6197440E+02	.2229680E+03
	32	-.33421240E+02	-.14949050E+03	-.27708110E+03	.10748340E+02	.10314870E+03	-.3397740E+03	.11387330E+02
	33	-.74447320E+02	.3204440E+03	-.1744550E+03	-.44337120E+01	-.2447020E+02	.34302950E+02	.71459530E+01
	34	-.13778520E+02	.10542440E+03	-.2715170E+02	.37424410E+02	-.6043130E+03	.10004450E+03	-.6294370E+02
	35	.3327410E+02	.42378120E+02	.2304010E+01	-.2120490E+02	-.36047070E+02	.1177470E+02	-.6216120E+02
III	36	.12407030E+00	-.7349740E+00	-.2463020E+00	-.44217440E+03	.2219190E+00	-.7236430E-01	-.11670670E+00
	37	.73243027E+00	.75124440E-01	-.18798470E+00	-.14770340E+00	-.9320230E+00	.9249490E+01	.4467940E+02
	38	-.16279110E+00	.41803410E-01	-.77374220E+00	-.17454710E+01	-.41344420E+00	.73474730E+00	.34220390E+00
	39	.19989570E+00	.1146210E+00	-.2732470E+00	.3423100E+00	-.41054080E+00	.3332010E+00	.1617910E+00
	40	-.2494380E+01	.45192640E+01	.34970330E+01	.28324710E+00	-.2133130E+00	.10264070E+01	.6223730E+01
	41	-.64402160E+01	.23184940E+01	.64473740E+01	-.24949110E+01	.61402750E+01	-.1863740E+01	-.1227490E+01
	42	-.64402160E+01	.23184940E+01	.64473740E+01	-.24949110E+01	.61402750E+01	-.1863740E+01	-.1227490E+01
	43	-.1324230E+01	-.9089240E+01	-.1018440E+01	.11142260E+01	.1218770E+01	-.5977000E+01	.44611270E+01
	44	.1074020E+01	.16267340E+01	-.7219140E+01	.27342970E+01	.12721350E+01	-.23820510E+01	-.11167710E+01
	45	.1677090E+02	-.13471090E+01	-.2471860E+01	.7831880E+01	.22941070E+01	.37437470E+01	.6738440E+01
	46	.1463460E+02	.8841400E+01	-.1062110E+02	-.6198230E+01	-.1416190E+02	.15924310E+02	-.1949340E+01
	47	-.17490910E+02	.34984210E+01	.1121110E+02	-.38182120E+01	.17219470E+02	.1443990E+02	.1357730E+02
	48	-.64402160E+01	.23184940E+01	.64473740E+01	-.24949110E+01	.61402750E+01	-.1863740E+01	-.1227490E+01
	49	-.79747280E+02	-.10913050E+02	.9281730E+02	-.14706920E+01	.1491010E+01	-.7310130E+01	.2988810E+01
	50	-.10532740E+02	-.1014440E+02	.17644770E+02	.3340410E+02	-.1743940E+02	-.11188830E+02	.1135030E+01
	51	.2341240E+01	.44417330E+01	-.12410010E+02	.9338280E+00	.3517410E+02	-.11404230E+02	.10321540E+02
	52	-.6441340E+01	.92265120E+02	-.10228710E+02	.5742090E+02	.2442330E+02	-.44717270E+01	.14317010E+02
	53	.7202340E+01	.22484420E+02	-.12409150E+02	-.66470710E+01	.1143980E+02	.3942430E+01	-.14326910E+01
IV	54	-.17274710E+01	.21444070E+00	-.11791240E-02	.16741320E+00	.13194440E-01	-.25710380E+00	-.0234440E+00
	55	-.10367920E-01	-.62766710E-01	-.22777130E-01	-.44273110E-01	.7744430E+01	.6623820E+03	-.1893440E+00
	56	.20231210E+00	.64310970E+00	.10406670E+00	-.4376740E+00	-.2275820E+03	.7237710E+03	.74983180E+00
	57	.24775510E+00	.64407070E+00	.23346380E+01	.24481670E+02	-.6376640E+03	.66401240E+09	.90301170E+01
	58	.77444440E+00	-.23157910E+00	-.40644980E+00	-.14481370E+01	-.2471170E+01	.11901180E+01	.24019720E-01
	59	-.4701320E+03	.71849410E+01	-.24273460E+01	.33251430E+03	.1121140E+01	-.1191030E+01	.49492020E+00
	60	-.4701320E+03	.71849410E+01	-.24273460E+01	.33251430E+03	.1121140E+01	-.1191030E+01	.49492020E+00
V	61	-.64402160E+01	.23184940E+01	.64473740E+01	-.24949110E+01	.61402750E+01	-.1863740E+01	-.1227490E+01
	62	-.64402160E+01	.23184940E+01	.64473740E+01	-.24949110E+01	.61402750E+01	-.1863740E+01	-.1227490E+01
	63	-.64402160E+01	.23184940E+01	.64473740E+01	-.24949110E+01	.61402750E+01	-.1863740E+01	-.1227490E+01
VI	64	-.4701320E+03	.71849410E+01	-.24273460E+01	.33251430E+03	.1121140E+01	-.1191030E+01	.49492020E+00
	65	-.4701320E+03	.71849410E+01	-.24273460E+01	.33251430E+03	.1121140E+01	-.1191030E+01	.49492020E+00
VII	66	-.4701320E+03	.71849410E+01	-.24273460E+01	.33251430E+03	.1121140E+01	-.1191030E+01	.49492020E+00
	67	-.4701320E+03	.71849410E+01	-.24273460E+01	.33251430E+03	.1121140E+01	-.1191030E+01	.49492020E+00
VIII	68	-.4701320E+03	.71849410E+01	-.24273460E+01	.33251430E+03	.1121140E+01	-.1191030E+01	.49492020E+00
	69	-.4701320E+03	.71849410E+01	-.24273460E+01	.33251430E+03	.1121140E+01	-.1191030E+01	.49492020E+00
IX	70	-.4701320E+03	.71849410E+01	-.24273460E+01	.33251430E+03	.1121140E+01	-.1191030E+01	.49492020E+00
	71	-.4701320E+03	.71849410E+01	-.24273460E+01	.33251430E+03	.1121140E+01	-.1191030E+01	.49492020E+00

Table B.10 Coefficients to Represent the Global Variation of the Median Value of foF2 for October 1975 (Continued)

HARMONIC		4		5		6	
	K	S		S		S	
		7	8	9	10	11	12
I	0	.44110330E+02	-.36210400E+01	-.22343070E+02	-.25771900E+02	-.13304440E+01	.44204250E+02
	1	.26070270E+00	.11031400E+00	-.77160900E+01	.14444400E+00	-.17090500E+02	.12730180E+03
	2	.06094420E+00	.10010500E+01	.43300000E+01	.15200100E+00	-.27045270E+00	.24320000E+01
	3	-.30350470E+01	-.22500100E+01	.44750910E+00	-.15334220E+00	.51700000E+01	-.34070300E+01
	4	-.04342000E+01	-.04237700E+01	-.71073400E+00	-.31401500E+00	.13724400E+01	-.04020400E+00
	5	.13333300E+02	.46523140E+01	-.57420000E+01	-.30011020E+01	.13154330E+01	.19350000E+02
	6	.12770300E+02	.21440400E+02	.34704110E+01	.01002150E+00	-.33404420E+01	.28204200E+01
	7	-.08405310E+02	-.10300500E+02	.14230220E+02	.10111470E+02	-.07724070E+01	-.44242130E+02
	8	-.20010700E+02	-.21040400E+02	-.30413030E+01	-.21440400E+01	.25095140E+01	.30403700E+01
	9	.40011200E+02	.12497000E+02	-.15100420E+02	-.15100420E+02	.12007510E+02	.44200020E+02
	10	.12500700E+02	.12500700E+02	.30403030E+01	.77091410E+00	-.04440750E+01	.15014000E+01
	11	-.20070170E+02	-.31072010E+01	.57230700E+01	.44440250E+01	-.33537770E+01	-.10101500E+02
II	12	.50010300E+02	.31000300E+01	.13201010E+01	-.51194400E+02	-.25579910E+01	.27072530E+02
	13	.27072530E+02	-.30700410E+01	-.04400130E+01	.72010300E+01	-.16701700E+01	.20040000E+01
	14	-.03505100E+01	.45701000E+00	-.53500000E+00	.07010300E+01	-.70155000E+01	.12003720E+01
	15	.03733300E+02	-.70732630E+01	.30401000E+00	-.50972320E+01	.42700710E+00	-.44272160E+00
	16	-.12000770E+01	.04424200E+00	.00300000E+00	.11050400E+01	.31100370E+00	-.22044270E+01
	17	.30570720E+00	-.21031200E+00	.17707000E+01	-.22355970E+01	.30050000E+00	.11404000E+01
	18	.30070700E+01	.0440011200E+01	.70331130E+01	-.24041010E+01	.11007140E+01	.11132400E+01
	19	-.70010400E+01	.03407010E+01	.77150300E+01	.14202370E+01	-.03720000E+01	.03044120E+01
	20	-.11070400E+02	-.70403100E+01	-.04002210E+01	.10005100E+02	-.41000000E+01	.30043700E+01
	21	-.04033400E+01	.41501030E+01	-.12022200E+02	.12014000E+02	-.27173000E+01	.11443300E+01
	22	.20140300E+02	.20140300E+02	-.31000071E+02	.12702700E+02	-.21730400E+02	.11113120E+02
	23	.30030710E+02	-.30202700E+02	.44210050E+02	-.00000700E+01	.47527300E+02	-.00024300E+02
	24	-.42340070E+02	.23202000E+02	.21070040E+02	.20035420E+02	.10723170E+02	.25017000E+02
	25	.15010400E+02	-.10702000E+02	.30021300E+02	-.20100000E+02	.10470400E+02	.10030000E+02
	26	.70030200E+02	-.04703100E+02	-.04703100E+02	-.04703100E+02	.10043000E+02	.10043000E+02
	27	-.17100350E+03	.03700000E+02	-.10232070E+03	.07102020E+01	-.11234710E+03	.11041000E+03
	28	.03700000E+02	.37000100E+02	.20013300E+02	-.34400320E+02	-.10455100E+02	-.20030770E+01
	29	-.10201000E+02	.23077000E+02	.31004710E+02	.31011110E+02	-.11040000E+01	.03110000E+02
	30	-.11400100E+03	.30203350E+02	-.25303020E+02	.20030110E+02	-.00200000E+02	.00037000E+02
	31	.00000170E+03	.12702000E+03	.10031000E+03	.35000000E+01	.11120070E+03	.11320000E+03
	32	-.33100400E+02	-.10000040E+02	-.10000040E+02	.24000700E+02	.10043000E+02	.10043000E+02
	33	.03910000E+01	.11070350E+02	.21070400E+02	-.12524700E+02	-.24000310E+02	-.22020000E+02
	34	.10010700E+02	-.10010700E+02	.10000200E+02	.10000200E+02	.20040300E+02	.20040300E+02
	35	-.03170000E+02	.32307700E+02	-.04040010E+02	-.04040010E+02	.00000000E+02	.00000000E+02
III	36	.07700000E+01	-.00000000E+01	-.00000000E+01	-.00000000E+01	.00000000E+01	.00000000E+01
	37	-.00000000E+01	.10000000E+01	.07707000E+01	.73072200E+01	-.00000000E+01	.12730000E+01
	38	-.20020000E+01	-.21020000E+01	.10075000E+01	-.70272000E+01	.20040300E+01	.00000000E+01
	39	.30070700E+01	.23007000E+01	.10007070E+01	-.70007070E+01	.10000000E+01	.10000000E+01
	40	-.20020000E+01	-.00000000E+01	.00000000E+01	.00000000E+01	.00000000E+01	.00000000E+01
	41	.10000000E+01	.00000000E+01	.00000000E+01	.00000000E+01	.00000000E+01	.00000000E+01
	42	.10000000E+01	.10000000E+01	.10000000E+01	.10000000E+01	.10000000E+01	.10000000E+01
	43	-.20020000E+01	.00000000E+01	.00000000E+01	.00000000E+01	.00000000E+01	.00000000E+01
	44	.10000000E+01	.00000000E+01	.00000000E+01	.00000000E+01	.00000000E+01	.00000000E+01
	45	.10000000E+01	.10000000E+01	.10000000E+01	.10000000E+01	.10000000E+01	.10000000E+01
	46	-.20020000E+01	.00000000E+01	.00000000E+01	.00000000E+01	.00000000E+01	.00000000E+01
	47	.10000000E+01	.00000000E+01	.00000000E+01	.00000000E+01	.00000000E+01	.00000000E+01
	48	.10000000E+01	.10000000E+01	.10000000E+01	.10000000E+01	.10000000E+01	.10000000E+01
IV	49	.10000000E+01	.00000000E+01	.00000000E+01	.00000000E+01	.00000000E+01	.00000000E+01
	50	.10000000E+01	.10000000E+01	.10000000E+01	.10000000E+01	.10000000E+01	.10000000E+01
	51	.10000000E+01	.00000000E+01	.00000000E+01	.00000000E+01	.00000000E+01	.00000000E+01
	52	.10000000E+01	.10000000E+01	.10000000E+01	.10000000E+01	.10000000E+01	.10000000E+01
	53	.10000000E+01	.00000000E+01	.00000000E+01	.00000000E+01	.00000000E+01	.00000000E+01
	54	.10000000E+01	.10000000E+01	.10000000E+01	.10000000E+01	.10000000E+01	.10000000E+01
	55	.10000000E+01	.00000000E+01	.00000000E+01	.00000000E+01	.00000000E+01	.00000000E+01
	56	.10000000E+01	.10000000E+01	.10000000E+01	.10000000E+01	.10000000E+01	.10000000E+01
V	57	.10000000E+01	.00000000E+01	.00000000E+01	.00000000E+01	.00000000E+01	.00000000E+01
	58	.10000000E+01	.10000000E+01	.10000000E+01	.10000000E+01	.10000000E+01	.10000000E+01
	59	.10000000E+01	.00000000E+01	.00000000E+01	.00000000E+01	.00000000E+01	.00000000E+01
VI	60	.10000000E+01	.10000000E+01	.10000000E+01	.10000000E+01	.10000000E+01	.10000000E+01
	61	.10000000E+01	.00000000E+01	.00000000E+01	.00000000E+01	.00000000E+01	.00000000E+01
VII	62	.10000000E+01	.10000000E+01	.10000000E+01	.10000000E+01	.10000000E+01	.10000000E+01
	63	.10000000E+01	.00000000E+01	.00000000E+01	.00000000E+01	.00000000E+01	.00000000E+01
VIII	64	.10000000E+01	.10000000E+01	.10000000E+01	.10000000E+01	.10000000E+01	.10000000E+01
	65	.10000000E+01	.00000000E+01	.00000000E+01	.00000000E+01	.00000000E+01	.00000000E+01
IX	66	.10000000E+01	.10000000E+01	.10000000E+01	.10000000E+01	.10000000E+01	.10000000E+01
	67	.10000000E+01	.00000000E+01	.00000000E+01	.00000000E+01	.00000000E+01	.00000000E+01

Table B.11 Coefficients to Represent the Global Variation of the Median Value of foF2 for November 1975

HARMONIC		0	1	2	3	4	5	6	
	K	S	0	1	2	3	4	5	6
		0	1	2	3	4	5	6	
I	0		.72600870E+01	-.11011350E+00	-.35008210E+00	.87814440E-01	-.12115840E-01	-.51913300E-01	-.40959820E-01
	1		.27518450E+01	.18500340E+00	.14272780E+00	.14401300E+00	-.73699000E-01	-.44581820E-01	.18888880E+00
	2		.70688910E+01	.15778000E+01	.10948960E+01	.32123880E+00	.22123110E+01	-.12887510E+01	-.27878890E+00
	3		-.16098230E+02	.54208280E+00	.30289100E-01	-.17480400E+01	.15725400E-01	-.23578220E+00	.180250610E+01
	4		-.38410420E+02	.13815030E+02	.45261840E+01	-.11183400E+02	-.13570850E+01	.69549520E+01	.30521000E+01
	5		.88209360E+02	-.32475700E+02	-.42547880E+02	.13978130E+02	-.17223840E+02	.33944400E+01	.12788170E+02
	6		.13744800E+02	-.69598150E+02	-.14230720E+02	.41204350E+02	.12575010E+02	-.23992900E+02	-.69593960E+01
	7		-.27351460E+02	.12591450E+03	.97299440E+02	-.39284330E+02	.33116230E+02	-.50703860E+01	-.21714920E+02
	8		.14531140E+01	.9150010E+02	.10673800E+02	-.54027430E+02	-.34600150E+02	.28043280E+02	.69653460E+01
	9		-.10273700E+03	-.18368110E+03	-.87077840E+02	-.44381130E+02	-.27718420E+02	.13283810E+01	.18818260E+02
	10		-.74400080E+03	-.36493200E+02	-.24362830E+02	.23773100E+02	.13351470E+02	-.13751820E+02	-.10887720E+01
	11		.74404200E+02	.68087400E+02	.27318820E+02	-.18494780E+02	.81394470E+01	-.14703310E+01	-.40593860E+01
II	12		-.34092460E-01	.20123700E-01	.17599380E-01	-.14093460E+00	.15108860E+00	.67812900E-01	-.60925160E-01
	13		-.70472710E+00	-.15848000E-01	.18931880E-01	-.23094780E+00	.20124500E+00	-.3233840E-01	-.18188950E-01
	14		.14259010E+01	-.20027800E+00	.14049080E+01	-.24256700E+00	.9961310E+00	-.25210080E+00	.43793780E+00
	15		.57402440E+00	-.23341710E-01	.24185930E+01	-.12123000E+01	.52810000E+00	-.64423480E+00	-.40300778E+00
	16		.42427040E+01	.28798230E+01	.33139310E+01	-.13113310E+01	.48730950E+00	-.82300010E+00	.10023580E+01
	17		.43097190E+01	-.64032700E+01	.74262120E+01	.43951230E+01	-.61593300E+01	-.12185210E+01	.12914470E+01
	18		.15328980E+01	.22483810E+02	.33947530E+01	.75301310E+01	-.31839110E+01	.14309580E+01	-.90334620E+01
	19		.23708280E+02	-.19784200E+02	-.38822700E+02	.11491840E+02	-.7938320E+01	.11887400E+02	.32043570E+01
	20		-.75040980E+01	.17422130E+01	.43574180E+02	.87954020E+01	-.17052880E+02	.42228200E+01	.59383060E+01
	21		.21027110E+02	-.20573900E+02	-.35794340E+02	-.16738170E+02	.3947730E+02	.83178270E+01	-.15917500E+02
	22		-.23897550E+02	-.23754200E+02	.22994800E+02	.40372570E+02	-.98743470E+01	.12012020E+02	.33801500E+02
	23		-.20195880E+03	.6224810E+02	.10919710E+03	-.55408830E+02	.25473840E+02	-.88447840E+02	.68603170E+01
III	24		-.18842780E+02	.93151120E+02	.24452400E+02	-.3874780E+02	.15798180E+01	-.18887880E+02	.15193400E+02
	25		-.14458130E+03	.20402800E+03	-.14459900E+03	-.11051080E+03	-.2408300E+02	-.2408300E+02	-.2408300E+02
	26		.19493460E+02	.71207480E+03	-.10137670E+03	.10615570E+03	.86101260E+02	-.14082840E+02	-.12864380E+03
	27		.54253460E+03	-.7678170E+02	-.16394720E+03	.11804480E+03	-.2513220E+02	.10518850E+03	-.3168780E+02
	28		-.88978140E+01	.10789380E+03	.39632010E+03	-.92286670E+01	-.97870030E+02	.32713750E+02	-.19107610E+02
	29		.21639100E+03	-.37470500E+03	.11540210E+03	-.23887520E+02	.10651440E+03	.24450770E+02	.70609310E+02
	30		.71808980E+02	.1078470E+03	.76939810E+03	-.16219810E+03	-.10274960E+02	.33168890E+02	.1348230E+02
	31		-.12541570E+03	-.8267170E+02	.1299330E+03	-.16219810E+03	-.10274960E+02	.33168890E+02	.1348230E+02
	32		.1357540E+02	-.1024740E+03	-.20406880E+03	.6884540E+03	.49011610E+02	-.1725490E+02	.08461670E+01
	33		-.10407180E+03	.20402740E+03	-.19178880E+03	.64390320E+01	-.49212260E+02	.22327270E+02	-.3287770E+02
	34		-.72714640E+02	.34700820E+03	-.18934850E+03	.5424210E+02	.3740410E+02	-.18287970E+02	-.3287770E+02
	35		.2438330E+03	-.4531480E+02	-.43767190E+02	.71903020E+02	.1973290E+02	.8773360E+02	-.6639250E+02
IV	36		.13271000E+00	-.24632470E+00	-.10246420E+02	-.82267000E+00	.10919290E+00	.17688418E-01	-.1177608E+00
	37		.30448870E+00	.72462410E+01	-.12801040E+00	-.93502030E-01	-.82591270E+00	.13446140E-01	.5718650E-01
	38		-.14497010E+00	.6333678E+01	-.93371420E+00	-.79349190E+00	.13813000E+00	.73283000E+00	-.6803608E+00
	39		-.11840710E+00	.4080870E+00	-.27391900E+00	-.65823300E+00	-.49407320E+00	.4937440E+00	.6883578E+00
	40		-.44501780E+00	.40718590E+00	-.10711770E+01	-.65823300E+00	-.49407320E+00	.4937440E+00	.6883578E+00
	41		-.44997410E+01	.3440420E+01	.4616460E+01	-.14161080E+01	.85678030E+00	-.41868350E+00	.32468370E+00
	42		.69597880E+00	.3739740E+01	.10247480E+02	.14384920E+01	.3846772E+01	-.60790180E+01	.44399260E+01
	43		.07833880E+00	-.29439880E+01	.2670380E+01	.1104930E+01	.2604080E+01	-.26931530E+01	-.43211170E+01
	44		-.3448770E+01	.10106310E+00	-.18960680E+02	.1379780E+02	.11327880E+02	-.2784810E+01	.11200130E+02
	45		-.28842780E+02	-.1884670E+02	-.12842370E+02	-.1412935E+01	.1274920E+02	.27707960E+01	-.38726010E+01
	46		-.1949770E+01	-.1978680E+02	-.3119780E+02	-.48718250E+01	-.1384770E+02	-.14654830E+02	-.3274980E+01
	47		-.10764890E+01	.8860070E+01	-.45897880E+01	-.13187400E+01	-.1024100E+01	.8812480E+01	.08396180E+01
V	48		.13746110E+02	-.76719020E+02	.3206480E+02	-.47811530E+02	-.3224110E+02	.1794641E+02	.14969730E+02
	49		-.3012480E+02	-.78028310E+02	.17969310E+02	.2999870E+02	-.5174320E+02	-.19712320E+02	.13080180E+02
	50		.5524080E+01	.11445810E+02	.27909380E+02	.69626160E+01	.1517420E+02	-.10394880E+02	.13918280E+01
	51		.3797870E+01	-.8711810E+01	-.44779480E+02	-.2544370E+01	.7978110E+01	-.32925770E+01	-.69322810E+01
	52		-.14214930E+02	.35401250E+02	-.4781180E+02	.3486340E+02	-.4847450E+02	.11844150E+02	-.98862280E+01
	53		.37942270E+02	.35296310E+02	-.22364380E+02	-.22391590E+02	.43161790E+02	-.4040280E+02	-.17949780E+02
	54		-.11468950E+03	-.9712880E+03	-.14128160E+03	-.23378590E+02	.9336460E+02	-.32105940E+00	.6093844E+02
	55		-.41922370E+01	-.35731980E+02	-.64609580E+01	-.6079184E+01	-.7621177E+01	.1812124E+00	-.2849795E+02
	56		.42889110E+00	.1542280E+00	.79679780E+01	-.2381280E+00	-.9327090E+00	-.9388175E+02	-.6081640E+00
	57		.18744780E+02	.30307530E+00	.5791226E+02	.40070170E+00	.3778743E+02	.4082867E+00	-.4022650E+02
	58		.18439290E+01	-.39399780E+00	.2795772E+02	.2844944E+01	.1488482E+00	.1943326E+01	.10118880E+01
	59		-.13246480E+01	.2389340E+02	.7273384E+00	.7137940E+00	.2314898E+01	.2498972E+00	.7946187E+02
VI	60		-.4460710E+00	.29731710E+02	.11490070E+02	.7899460E+00	.2777990E+01	.2983882E+00	.7946187E+02
	61		-.19214780E+01	.1775142E+01	-.8711810E+01	.4038182E+00	.24641180E+00	.2528123E+01	-.17520770E+01
	62		.3794780E+01	-.12710180E+01	.8856970E+02	-.98183280E+00	.1936789E+00	.1094171E+01	-.1291940E+01
	63		-.11468950E+03	-.9712880E+03	-.14128160E+03	-.23378590E+02	.9336460E+02	-.32105940E+00	.6093844E+02
	64		-.41922370E+01	-.35731980E+02	-.64609580E+01	-.6079184E+01	-.7621177E+01	.1812124E+00	-.2849795E+02
	65		.42889110E+00	.1542280E+00	.79679780E+01	-.2381280E+00	-.9327090E+00	-.9388175E+02	-.6081640E+00
	66		.18744780E+02	.30307530E+00	.5791226E+02	.40070170E+00	.3778743E+02	.4082867E+00	-.4022650E+02
	67		.18439290E+01	-.39399780E+00	.2795772E+02	.2844944E+01	.1488482E+00	.1943326E+01	.10118880E+01
	68		-.13246480E+01	.2389340E+02	.7273384E+00	.7137940E+00	.2314898E+01	.2498972E+00	.7946187E+02
	69		-.4460710E+00	.29731710E+02	.11490070E+02	.7899460E+00	.2777990E+01	.2983882E+00	.7946187E+02
	70		-.19214780E+01	.1775142E+01	-.8711810E+01	.4038182E+00	.24641180E+00	.2528123E+01	-.17520770E+01
	71		.3794780E+01	-.12710180E+01	.8856970E+02	-.98183280E+00	.1936789E+00	.1094171E+01	-.1291940E+01
VII	72		-.11468950E+03	-.9712880E+03	-.14128160E+03	-.23378590E+02	.9336460E+02	-.32105940E+00	.6093844E+02
	73		-.41922370E+01	-.35731980E+02	-.64609580E+01	-.6079184E+01	-.7621177E+01	.1812124E+00	-.2849795E+02
	74		.42889110E+00	.1542280E+00	.79679780E+01	-.2381280E+00	-.9327090E+00	-.9388175E+02	-.6081640E+00
	75		.18744780E+02	.30307530E+00	.5791226E+02	.40070170E+00	.3778743E+02	.4082867E+00	-.4022650E+02
	76		.18439290E+01	-.39399780E+00	.2795772E+02	.2844944E+01	.1488482E+00	.1943326E+01	.10118880E+01
	77		-.13246480E+01	.2389340E+02	.7273384E+00	.7137940E+00	.2314898E+01	.2498972E+00	.7946187E+02
	78		-.4460710E+00	.29731710E+02	.11490070E+02	.7899460E+00	.2777990E+01	.2983882E+00	.7946187E+02
	79		-.19214780E+01	.1775142E+01	-.8711810E+01	.4038182E+00	.24641180E+00	.2528123E+01	-.17520770E+01
	80		.3794780E+01	-.12710180E+01	.8856970E+02	-.98183280E+00	.1936789E+00	.1094171E+01	-.1291940E+01
	81		-.11468950E+03	-.9712880E+03	-.14128160E+03	-.23378590E+02	.9336460E+02	-.32105940E+00	.6093844E+02
	82		-.41922370E+01	-.35731980E+02	-.64609580E+01	-.6079184E+01	-.7621177E+01	.1812124E+00	-.2849795E+02
	83		.42889110E+00	.1542280E+00	.79679780E+01	-.2381280E+00	-.9327090E+00	-.9388175E+02	-.6081640E+00
VIII									

Table B.11 Coefficients to Represent the Global Variation of the Median Value of foF2 for November 1975 (Continued)

HARMONIC		4	5	6						
	$\frac{S}{K}$	7	8	9	10	11	12			
I	0	.3621070E-01	.1169950E-01	.2438978E-01	.3729174E-01	.4015972E-01	.1325990E-01			
	1	.2325080E-00	-.2184930E-00	-.4621500E-01	.1874180E-00	.6714220E-01	-.7143810E-01			
	2	-.4526144E-00	-.1107440E-00	-.5349076E-00	-.6748450E-00	.8125785E-00	-.7708182E-00			
	3	-.4414040E-01	.3620160E-01	.1832610E-01	-.2218490E-01	.1701010E-00	.2184930E-01			
	4	.9515310E-00	.3649070E-00	.3167560E-01	.4608760E-01	-.1859000E-01	-.5187050E-01			
	5	.2257010E-02	-.1650194E-02	-.1116116E-02	.9640360E-01	.4952412E-01	-.1109139E-01			
	6	.1321321E-01	.3282069E-00	-.7465576E-01	-.1104488E-02	.9334420E-01	.9408600E-01			
	7	-.4646071E-02	.1243011E-02	.2925638E-02	-.1866040E-02	.1209152E-02	.1012447E-02			
	8	-.4461428E-02	-.1425712E-01	.8125144E-01	.1140782E-02	-.7217595E-01	.8594741E-02			
	9	.4684260E-02	-.2891395E-02	-.2583821E-02	.1491250E-02	-.1327434E-02	-.1007918E-02			
	10	.2664824E-01	.1377570E-01	-.3314090E-01	-.4602113E-01	.2234617E-01	-.7594720E-01			
	11	-.2644584E-02	.4607250E-01	.6802090E-01	-.4839521E-01	.4397774E-01	.1042190E-02			
II	12	.2765630E-01	-.1020389E-01	.2145899E-01	-.1046033E-02	-.1112433E-01	.1058980E-01			
	13	.1390617E-01	-.4654770E-01	-.5976266E-02	.1442780E-01	-.3593110E-02	-.4497871E-01			
	14	.1324674E-00	-.2469750E-00	.3329770E-01	-.1413700E-00	.2492240E-00	-.1234400E-00			
	15	.1256158E-00	.3049030E-00	-.5554016E-02	.2074723E-00	-.3445577E-01	-.1010190E-01			
	16	-.1904436E-01	.6721984E-00	.1499785E-00	.1093504E-00	.5135336E-00	.46494727E-00			
	17	-.3075290E-00	.2612797E-01	.1461337E-00	-.4457207E-00	.1494030E-01	.5213713E-00			
	18	-.3034911E-01	.9627224E-00	.3152256E-00	-.1165223E-01	.3545299E-01	.6087939E-00			
	19	-.4675120E-01	.3364767E-01	.1335056E-01	.2627077E-01	.6021182E-00	.6637646E-00			
	20	.1716400E-02	-.4556210E-01	-.4726412E-01	.3727230E-01	.4570212E-01	.3717645E-01			
	21	.5167407E-01	-.2145655E-02	-.1494784E-01	.3563920E-01	.2515567E-00	-.2736919E-01			
	22	.1033731E-02	.4649320E-01	-.2438978E-01	-.8143070E-00	.3494892E-02	-.1940919E-01			
	23	.3761467E-02	.1227170E-02	-.1231108E-02	.1380375E-02	.2203482E-01	.1346672E-02			
III	24	-.3784490E-02	.1596859E-02	.1468058E-02	.1390214E-02	-.4151710E-01	.1492595E-02			
	25	-.2046807E-02	.7336500E-02	.2331077E-02	-.1421520E-02	-.6131970E-00	.9324742E-01			
	26	-.3919740E-02	-.2558590E-02	.7640150E-01	-.9101320E-01	.3731462E-02	.1470613E-02			
	27	-.1163492E-03	-.1489075E-02	.3685263E-02	-.3146131E-02	.1159512E-02	.6423540E-03			
	28	.0201650E-02	.2294433E-02	-.1040183E-02	-.1895112E-02	.8690111E-01	.2724241E-02			
	29	.2080190E-02	-.0723160E-02	-.2037370E-01	.2704430E-02	-.4445323E-03	.1502992E-04			
	30	.2711480E-01	.3393569E-02	-.9446618E-01	.2013707E-02	.1119251E-03	.2946665E-02			
	31	.1501930E-03	.07877720E-00	-.4461290E-02	.2712974E-02	.2751171E-02	.6305411E-02			
	32	-.4520130E-02	.1164362E-02	.1645930E-02	.6669336E-01	-.3574840E-01	.1399182E-01			
	33	-.1342276E-02	.4366474E-02	.6661374E-00	.1322034E-02	.1592061E-01	.6387531E-02			
	34	-.6384961E-01	-.1317740E-02	.4374723E-01	-.1191920E-02	.3701456E-02	.1303252E-02			
	35	-.6844834E-02	.3456406E-01	.1911418E-02	-.1661334E-02	-.1371940E-02	-.1049803E-02			
IV	36	-.8882813E-02	-.2771269E-01	.3340461E-01	-.2997616E-01	-.2018663E-01	-.1114740E-01			
	37	-.4001359E-01	.9426022E-02	-.4293348E-01	.4053940E-01	.4944272E-02	.1573114E-01			
	38	.1394661E-00	-.1141275E-01	.1394661E-00	.3722850E-01	.4357631E-01	.6481147E-01			
	39	.1171827E-00	.3172610E-00	-.9234977E-02	-.2545700E-00	.3143790E-01	.7864001E-01			
	40	-.1102827E-01	.7492168E-00	.0782220E-01	.1463107E-00	.5291093E-00	.1204682E-01			
	41	.1644374E-01	.4136353E-00	.3622762E-01	-.2695438E-00	.1474050E-00	.1119107E-01			
	42	.1669163E-01	.1101390E-01	-.6426450E-00	.6674018E-00	-.5970210E-00	.7836400E-01			
	43	-.0293232E-00	-.2027696E-01	.7836451E-01	.2430194E-01	-.1144532E-00	.2827315E-00			
	44	.7346973E-01	.3592322E-01	-.1864516E-01	.7791307E-00	.7041416E-01	.7051031E-01			
	45	-.7433740E-01	-.1010202E-00	.4231777E-00	.1445271E-01	.2232584E-01	.7624016E-01			
	46	.3006990E-01	-.3794218E-01	.2244816E-00	.3603173E-01	.6914322E-00	.1926621E-01			
	47	.2694324E-01	.2324062E-01	.2280360E-00	.3263769E-01	.5143192E-00	.1880030E-01			
V	48	-.1619737E-02	-.1110781E-02	-.1317408E-02	-.6034102E-02	.1494610E-01	.1372467E-02			
	49	.1244375E-02	.3820721E-01	-.2804941E-01	-.3436442E-01	.6675404E-01	.1441489E-02			
	50	.4674464E-01	.3101224E-01	.6381960E-00	-.2144102E-01	.3971511E-00	.1497269E-01			
	51	-.2270414E-01	.3109372E-01	.2237010E-00	.3788938E-01	-.2241028E-00	.1726392E-01			
	52	.8681010E-01	.3678216E-01	-.8677961E-00	.1966491E-01	.2886633E-01	.6827951E-01			
	53	-.6874031E-01	-.4159834E-01	.2221363E-01	.1794142E-01	-.3592914E-01	.9302792E-01			
	VI	54	.4906162E-01	-.9314434E-01	-.6749506E-02	.0795840E-01	-.1197600E-01	.7720990E-02		
		55	.6886400E-02	.1426847E-00	-.1619770E-01	-.2292490E-01	.3267923E-01	.1896621E-01		
		56	-.1645701E-01	.1314837E-00	-.1596392E-01	.1807256E-00	.1731478E-01	.2253114E-01		
		57	-.2676449E-00	-.4458330E-01	.4631268E-01	-.4647752E-01	.6481798E-01	.3579460E-01		
		58	.2006493E-00	.3398922E-01	.6501279E-01	.1455797E-00	.1972479E-00	.3236412E-00		
		59	-.3387418E-00	.1331391E-00	.2596674E-01	.0872067E-00	.6672759E-01	.1253412E-02		
60		.1774787E-00	.2391913E-00	.1478469E-01	.1712418E-00	-.1131462E-01	.6883272E-02			
61		.6750139E-00	.2379771E-00	-.1237463E-01	-.1591722E-01	-.2181910E-01	.1400732E-02			
62		-.0464311E-00	.1718471E-00	-.1619662E-01	.2186248E-00	.7923112E-02	.5759119E-01			
63		.3746814E-00	-.8149119E-00	.2973163E-00	.3746103E-00	-.2059497E-01	.1397912E-01			
VII		64	.1494701E-00	-.1461403E-00	.0221918E-02	.0949792E-01	.4624760E-01	.6672224E-02		
		65	.1134678E-00	.1654337E-00	-.3142922E-01	.2761197E-01	.9482126E-02	.1926273E-01		
	66	.3716549E-01	.4179961E-00	.3178422E-01	.1137297E-02	.1633928E-01	.1053361E-01			
	67	.0831040E-00	.7401403E-01	.2207672E-01	.1486274E-01	.1231470E-01	.4913732E-01			
	VIII	68	-.4967479E-01	-.1671137E-01	.0799912E-01	.2439642E-02	.4172967E-01	.4974918E-01		
		69	.4479484E-01	-.1132244E-02	-.2754114E-00	.4627692E-01	.3143494E-01	.3999737E-01		
		IX	70	.1114433E-01	-.4749814E-02	.1774187E-01	.2616470E-02	.4146679E-02	.3394943E-01	
			71	.1267373E-01	.2984919E-02	.2267142E-01	.1466936E-02	.2662372E-02	.4224643E-01	
			X	72	-.1460234E-01	-.1175290E-01	.4624619E-01	.1234623E-01	.5923944E-02	.3992428E-02
				73	.1464877E-01	.4164877E-02	.4624619E-01	.3729174E-01	.5923944E-02	.4796911E-02

Table B.12 Coefficients to Represent the Global Variation of the Median Value of foF2 for December 1975

HARMONIC		0	1	2	3	4	5	6
	S K	0	1	2	3	4	5	6
I	0	0.637000000+01	-1.001191000-01	-2.335079000-00	-0.000000000-01	0.000000000-01	-0.000000000-01	-0.000000000-01
	1	1.350079000+01	-0.272610000+00	-0.216100000+00	-0.189191000-01	-0.000000000-01	-0.000000000-01	-0.000000000-01
	2	0.733280000+01	-0.272610000+00	-0.000000000+00	-0.000000000+00	-0.000000000+00	-0.000000000+00	-0.000000000+00
	3	-2.335079000+01	-0.272610000+00	0.707000000+01	-0.000000000+00	-0.000000000+00	-0.000000000+00	-0.000000000+00
	4	0.000000000+00	0.272610000+00	0.000000000+00	-0.000000000+00	-0.000000000+00	-0.000000000+00	-0.000000000+00
	5	0.000000000+00	0.000000000+00	0.000000000+00	0.000000000+00	0.000000000+00	0.000000000+00	0.000000000+00
	6	0.000000000+00	0.000000000+00	0.000000000+00	0.000000000+00	0.000000000+00	0.000000000+00	0.000000000+00
	7	0.000000000+00	0.000000000+00	0.000000000+00	0.000000000+00	0.000000000+00	0.000000000+00	0.000000000+00
	8	0.000000000+00	0.000000000+00	0.000000000+00	0.000000000+00	0.000000000+00	0.000000000+00	0.000000000+00
	9	0.000000000+00	0.000000000+00	0.000000000+00	0.000000000+00	0.000000000+00	0.000000000+00	0.000000000+00
	10	0.000000000+00	0.000000000+00	0.000000000+00	0.000000000+00	0.000000000+00	0.000000000+00	0.000000000+00
	11	0.000000000+00	0.000000000+00	0.000000000+00	0.000000000+00	0.000000000+00	0.000000000+00	0.000000000+00
12	0.000000000+00	0.000000000+00	0.000000000+00	0.000000000+00	0.000000000+00	0.000000000+00	0.000000000+00	
II	12	-0.942001300-01	0.682020200-01	0.905303000-01	-0.733993300-01	-0.252749100-01	0.930063300-01	-0.100000000-01
	13	-0.707721000+00	-0.202016100+01	0.176007500+01	-0.000017200+01	-0.110104000+00	0.936672000+01	-0.711007000-01
	14	0.160777700+01	-0.102042500+01	0.102130000+01	-0.300000000+00	0.939990000+00	-0.100000000+00	0.999990000+00
	15	0.000000000+00	-0.200000000+00	0.170000000+00	-0.100000000+00	0.939990000+00	-0.100000000+00	0.999990000+00
	16	0.000000000+00	-0.200000000+00	0.170000000+00	-0.100000000+00	0.939990000+00	-0.100000000+00	0.999990000+00
	17	0.000000000+00	-0.200000000+00	0.170000000+00	-0.100000000+00	0.939990000+00	-0.100000000+00	0.999990000+00
	18	0.000000000+00	-0.200000000+00	0.170000000+00	-0.100000000+00	0.939990000+00	-0.100000000+00	0.999990000+00
	19	0.000000000+00	-0.200000000+00	0.170000000+00	-0.100000000+00	0.939990000+00	-0.100000000+00	0.999990000+00
	20	0.000000000+00	-0.200000000+00	0.170000000+00	-0.100000000+00	0.939990000+00	-0.100000000+00	0.999990000+00
	21	0.000000000+00	-0.200000000+00	0.170000000+00	-0.100000000+00	0.939990000+00	-0.100000000+00	0.999990000+00
	22	0.000000000+00	-0.200000000+00	0.170000000+00	-0.100000000+00	0.939990000+00	-0.100000000+00	0.999990000+00
	23	0.000000000+00	-0.200000000+00	0.170000000+00	-0.100000000+00	0.939990000+00	-0.100000000+00	0.999990000+00
24	0.000000000+00	-0.200000000+00	0.170000000+00	-0.100000000+00	0.939990000+00	-0.100000000+00	0.999990000+00	
III	24	0.933070000+02	-0.102717200+03	-0.179707300+03	-0.000000000+00	0.939990000+00	-0.100000000+00	0.999990000+00
	25	-0.000000000+00	0.200000000+00	0.170000000+00	-0.100000000+00	0.939990000+00	-0.100000000+00	0.999990000+00
	26	0.000000000+00	0.200000000+00	0.170000000+00	-0.100000000+00	0.939990000+00	-0.100000000+00	0.999990000+00
	27	0.000000000+00	0.200000000+00	0.170000000+00	-0.100000000+00	0.939990000+00	-0.100000000+00	0.999990000+00
	28	0.000000000+00	0.200000000+00	0.170000000+00	-0.100000000+00	0.939990000+00	-0.100000000+00	0.999990000+00
	29	0.000000000+00	0.200000000+00	0.170000000+00	-0.100000000+00	0.939990000+00	-0.100000000+00	0.999990000+00
	30	0.000000000+00	0.200000000+00	0.170000000+00	-0.100000000+00	0.939990000+00	-0.100000000+00	0.999990000+00
	31	0.000000000+00	0.200000000+00	0.170000000+00	-0.100000000+00	0.939990000+00	-0.100000000+00	0.999990000+00
	32	0.000000000+00	0.200000000+00	0.170000000+00	-0.100000000+00	0.939990000+00	-0.100000000+00	0.999990000+00
	33	0.000000000+00	0.200000000+00	0.170000000+00	-0.100000000+00	0.939990000+00	-0.100000000+00	0.999990000+00
	34	0.000000000+00	0.200000000+00	0.170000000+00	-0.100000000+00	0.939990000+00	-0.100000000+00	0.999990000+00
	35	0.000000000+00	0.200000000+00	0.170000000+00	-0.100000000+00	0.939990000+00	-0.100000000+00	0.999990000+00
36	0.000000000+00	0.200000000+00	0.170000000+00	-0.100000000+00	0.939990000+00	-0.100000000+00	0.999990000+00	
IV	36	0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00
	37	0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00
	38	0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00
	39	0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00
	40	0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00
	41	0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00
	42	0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00
	43	0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00
	44	0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00
	45	0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00
	46	0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00
	47	0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00
48	0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	
V	48	0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00
	49	0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00
	50	0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00
	51	0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00
VI	51	0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00
	52	0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00
VII	52	0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00
	53	0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00
VIII	53	0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00
	54	0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00
IX	54	0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00
	55	0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00	-0.100000000+00

Table B.12 Coefficients to Represent the Global Variation of the Median Value of foF2 for December 1975 (Continued)

HARMONIC		4		5		6	
	$\frac{S}{K}$	7	8	9	10	11	12
I	0	-.16874990E-01	.19283110E-01	-.23186620E-01	.17094670E-01	-.11717710E-02	.25973110E-01
	1	-.36719210E-01	-.16468110E-01	-.23853150E-01	-.31000300E-01	.5125310E-01	-.6062710E-01
	2	.64797830E-00	-.35202890E-00	.61715830E-00	-.1809140E-00	-.9537340E-01	-.10708240E-01
	3	-.34944360E-00	.21548890E-01	.47522390E-00	.9308620E-00	.10553110E-00	.1489390E-01
	4	-.41144770E-01	.21104710E-00	-.3473030E-01	.14423710E-01	.1976030E-00	.6448070E-01
	5	.37134620E-01	-.20107020E-02	.18393800E-01	-.37401050E-01	-.2059130E-01	.7946370E-01
	6	.1068120E-02	.4053420E-01	.7318930E-01	-.32844370E-01	-.3449140E-01	-.2634970E-02
	7	-.8721810E-01	.17076220E-02	.79492960E-01	.13753740E-02	.51185210E-01	.1707540E-02
	8	-.1224080E-02	-.8259790E-01	-.64574620E-01	.74677130E-01	.5016180E-01	.1450620E-02
	9	.78293740E-01	-.1199440E-02	-.83214550E-01	-.13897780E-02	-.54431930E-01	-.1602310E-02
	10	.5164490E-01	.48679360E-01	.1986740E-01	-.34007170E-01	-.2359420E-01	-.6012380E-01
	11	-.2359990E-01	.2779590E-01	.33107470E-01	.5104170E-01	.7000030E-01	.5472760E-01
II	12	.5449730E-01	-.6594930E-01	.59260810E-01	-.1545190E-01	.34463870E-02	.10872330E-01
	13	.44112460E-01	-.77782010E-01	.80620110E-02	-.31084130E-02	-.5949420E-02	-.2313880E-01
	14	-.31146130E-00	.14223150E-00	-.46807190E-01	.13231780E-00	.58461240E-01	-.24322180E-00
	15	-.17900320E-02	.28024220E-01	.15676910E-00	.30793250E-00	-.1551240E-00	-.5368380E-01
	16	-.2334630E-01	.15405870E-01	-.446116770E-00	-.2461068E-00	.20846110E-00	.22635210E-01
	17	-.12182820E-00	.19849820E-01	-.16411670E-00	.17113320E-00	.4816330E-00	.2267640E-00
	18	.92215180E-01	-.23667740E-01	.22371590E-01	-.33847720E-01	-.19249670E-01	.50663030E-01
	19	-.26106060E-00	.27701730E-01	.3646820E-00	.47249660E-01	.12008410E-01	.36238680E-00
	20	.2017740E-02	-.1754680E-02	.14749990E-01	.4138280E-01	-.19197460E-01	-.1467730E-01
	21	-.18719360E-02	.1367710E-01	.1017160E-01	.1812160E-01	-.2470140E-01	.2467730E-01
	22	-.4346440E-02	.2046120E-02	-.15176290E-02	.2381930E-02	.1322970E-02	-.3636860E-02
	23	.1071930E-02	-.3676740E-00	.30464080E-01	.2434740E-02	.2452460E-01	.4476240E-01
III	24	-.6248630E-07	.3939040E-02	.3045170E-01	.1613880E-02	.1663240E-02	.7421770E-01
	25	.8103280E-01	.4544680E-02	-.15486030E-02	-.41850030E-00	.71041070E-01	.1657410E-02
	26	.12712380E-03	-.42147210E-02	.40635330E-02	-.64429130E-02	.1321030E-02	.1810360E-02
	27	-.59269350E-02	.1329740E-01	.12189380E-02	-.5187170E-02	-.2422360E-02	-.2163570E-02
	28	.8024640E-02	.74051840E-02	-.63458340E-01	.24147310E-02	-.2504970E-02	-.11963670E-02
	29	-.1649410E-02	-.65220390E-02	.73249530E-02	-.24667220E-01	-.45012610E-01	.2496360E-02
	30	-.1378870E-03	.55022440E-02	-.6631090E-02	.7367760E-02	.34731280E-02	-.12111280E-02
	31	.74815180E-02	-.10184040E-01	.15110190E-02	.54831680E-02	.40712380E-02	.6162350E-02
	32	-.1375870E-02	.35438520E-02	.34472740E-01	-.1234360E-02	.12816020E-02	.6310190E-01
	33	.18217230E-02	.32386020E-02	-.11377140E-02	.28732760E-01	.47074080E-01	.14283110E-02
	34	.6021330E-02	.2029050E-02	.14201340E-02	-.1039340E-02	-.1302680E-02	.3284030E-02
	35	-.6014470E-02	.24462890E-00	-.61203610E-01	-.24303140E-02	-.20549140E-02	-.2147610E-02
IV	36	.1249440E-01	-.4998490E-01	.23991180E-01	-.4986420E-01	-.12257070E-01	-.2022840E-01
	37	-.0037240E-01	-.8887450E-01	.2773690E-01	.1873870E-01	.1642390E-02	.13877350E-01
	38	-.0549670E-01	.28480250E-01	-.10134360E-01	.22188770E-00	-.6300440E-01	.3741750E-01
	39	.0291910E-01	-.8893310E-01	.19331260E-00	-.6031760E-01	.29419270E-01	.13381180E-01
	40	-.01166710E-00	.16049100E-00	.46766280E-00	.21284240E-00	.74821930E-00	.1812800E-01
	41	.18717610E-01	.8797796E-01	-.49268920E-00	.40174330E-00	.6823760E-01	-.38821280E-00
	42	.1719410E-01	.59393970E-00	.78335210E-00	-.24560030E-01	-.11637630E-01	.394281290E-00
	43	-.1702160E-00	.12667240E-01	-.13382610E-01	.64391010E-00	.11888020E-00	-.4580140E-00
	44	.46946770E-01	.18167450E-01	-.32813260E-01	.1022850E-01	-.48342610E-01	.28841370E-01
	45	-.39462810E-01	-.46638430E-00	.37203130E-01	-.2742826E-01	-.1517882E-01	.14004680E-01
	46	-.36223360E-01	.37033920E-01	-.25334830E-01	.6647870E-01	-.47890110E-01	.1071640E-01
	47	-.4014610E-01	-.42146830E-01	.31488760E-01	-.67613210E-00	.63166340E-00	.1334910E-02
	48	-.4471040E-01	-.4864610E-01	.6672630E-01	-.48741070E-01	.4401044E-01	.1833060E-02
V	49	.11147610E-02	.1792790E-00	-.1596260E-01	.361310E-01	-.4823760E-01	.2872070E-01
	50	.4777319E-01	.3716170E-01	.21843010E-01	-.3024918E-01	.2757408E-00	-.4722308E-00
	51	-.4181910E-01	.34092470E-01	-.24814020E-01	.17849870E-00	-.1341246E-00	-.1377332E-01
	52	.78409180E-01	.7847440E-01	-.18493780E-01	.3044930E-01	-.44528280E-01	.3428930E-01
	53	-.69718620E-01	.10031660E-01	.18466420E-01	-.1394396E-01	-.34284190E-01	.8693610E-01
	54	.7941240E-02	-.18849180E-01	.1582810E-01	.4462293E-01	-.1449340E-01	.49869220E-02
	55	.4684226E-01	.12340220E-00	-.1374440E-01	.44622190E-01	-.4031910E-01	.21863160E-01
	56	.47649560E-01	.1604060E-01	.82786170E-01	-.2192789E-01	-.8427305E-01	.8627463E-01
	57	-.2351716E-00	-.4533346E-02	.4687164E-01	.7732418E-01	.17466430E-01	-.1284840E-02
	58	.43971630E-01	.2861040E-00	-.1593460E-00	.2103113E-00	-.4876343E-01	.1673068E-01
	59	-.1404610E-00	.2846110E-01	.2495940E-00	-.2143640E-00	-.4436430E-01	-.2846170E-00
	60	-.40046120E-01	.6746890E-01	-.21877970E-00	-.1872126E-01	.3477263E-01	-.2846132E-00
	61	.274948E-01	.78337210E-01	.7931698E-01	-.1847126E-00	.1744512E-01	.2846164E-00
VI	62	-.4087030E-00	.21731370E-00	.24966280E-00	.2437934E-00	.11764210E-02	.6267222E-01
	63	.69718620E-01	-.1667279E-00	-.42166280E-02	.2447110E-02	.11262640E-00	.6223692E-01
	64	.1192820E-02	-.21391320E-00	-.2496640E-02	.1477662E-00	-.2461602E-01	.49226380E-01
	65	.2844320E-02	.1463870E-00	-.15776610E-01	-.6767942E-01	-.4943276E-02	.3462214E-02
	66	-.6137310E-01	-.45481080E-00	.3246899E-01	.6677870E-02	.8182640E-02	.4793287E-01
	67	.40637610E-00	-.6140040E-01	.1726999E-01	-.6037910E-02	.4914640E-01	.4441361E-01
	68	-.224930E-02	-.1272042E-01	.44171200E-01	.1464632E-00	-.7112321E-02	-.2447450E-02
	69	-.52266160E-01	-.4378916E-01	-.1945172E-02	.6779220E-00	-.7462070E-02	-.3133918E-01
	70	-.4546110E-01	-.3869210E-01	.6120890E-01	-.2462890E-01	.4254E-01	.4476147E-01
	71	.3777660E-01	-.1947231E-01	.1827111E-01	.1827111E-01	.4476147E-01	.4476147E-01
	72	.1197220E-02	-.2914990E-01	-.8783699E-02	.4498246E-02	.4240140E-02	.1721973E-01
	73	.4464711E-01	.4861702E-01	.1171891E-02	.1171891E-02	.1464632E-00	.1464632E-00
VII	74	.3231922E-02	.1167070E-01	.1786427E-01	-.3866710E-02	.4346622E-02	.2122416E-01
	75	-.1427944E-01	.4137610E-01	.1786427E-01	.1618791E-01	.3279460E-02	-.1727516E-01
VIII	76	.1197220E-02	-.2914990E-01	-.8783699E-02	.4498246E-02	.4240140E-02	.1721973E-01
	77	.4464711E-01	.4861702E-01	.1171891E-02	.1171891E-02	.1464632E-00	.1464632E-00
IX	78	.3231922E-02	.1167070E-01	.1786427E-01	-.3866710E-02	.4346622E-02	.2122416E-01
	79	-.1427944E-01	.4137610E-01	.1786427E-01	.1618791E-01	.3279460E-02	-.1727516E-01

Table B.13 Coefficients to Represent the Global Variation of the Median Value of foF2 for January 1979

[illegible]

Table B.13 Coefficients to Represent the Global Variation of the Median Value of foF2 for January 1979 (Continued)

HARMONIC		4		5		6	
	$\frac{k}{s}$	7	8	9	10	11	12
I	0	.17071900E-01	.15065900E-01	.23100000E-01	.10305700E-02	.12210300E-01	.10700100E-02
	1	-.50074000E-01	-.25317200E-00	-.37557300E-01	.10275900E-00	-.01700500E-01	-.31450100E-00
	2	.27020100E-00	-.72001700E-01	-.07000200E-00	-.27030200E-00	.17130200E-01	-.35037100E-00
	3	-.17007200E-01	.10010900E-01	.59000510E-00	-.19000000E-01	.20157000E-01	.02200000E-01
	4	-.03000000E-01	-.17000000E-01	.37000000E-01	.02277000E-01	-.00200000E-01	.10120000E-01
	5	.15000000E-02	-.30000000E-01	-.27000000E-01	.70000000E-01	-.15100000E-01	-.17000000E-01
	6	.15000000E-02	.10100000E-01	-.11000000E-01	-.10000000E-01	.20100000E-01	.70000000E-01
	7	-.02000000E-02	-.10100000E-01	.03300000E-01	-.10000000E-01	.10100000E-01	.02200000E-01
	8	-.02000000E-02	-.17000000E-01	.33000000E-01	.20700000E-01	-.20700000E-01	.75000000E-01
	9	.00700000E-02	.01700000E-01	-.00000000E-01	.22700000E-01	.33700000E-01	-.27700000E-01
	10	.00000000E-01	.05000000E-01	-.50000000E-01	-.90000000E-01	.70000000E-01	-.20000000E-01
	11	-.10000000E-01	-.05000000E-01	.20000000E-01	-.07000000E-01	.11000000E-01	.01700000E-01
II	12	.10307700E-01	-.00000000E-02	.11700200E-01	-.00000000E-03	.32700000E-01	.17130000E-01
	13	.11007700E-02	-.10000000E-02	.57000000E-01	.10000000E-01	-.00000000E-02	-.25000000E-01
	14	-.00000000E-01	.20700000E-01	-.20700000E-01	-.00000000E-01	.10700000E-01	-.35000000E-01
	15	.00000000E-01	.00000000E-01	.20700000E-01	-.00000000E-01	.10700000E-01	-.35000000E-01
	16	-.25000000E-00	.20700000E-01	-.20700000E-01	-.00000000E-01	.10700000E-01	-.35000000E-01
	17	-.10000000E-00	.12000000E-00	.07000000E-00	.33000000E-00	.50000000E-01	.10000000E-00
	18	.70000000E-01	.00000000E-00	.33000000E-01	.20000000E-01	-.10000000E-01	.00000000E-01
	19	-.10000000E-01	.10700000E-01	-.30000000E-01	-.10000000E-01	.27000000E-01	.00000000E-01
	20	.10000000E-01	-.00000000E-01	.10000000E-01	.10700000E-01	.20000000E-01	.00000000E-01
	21	.17000000E-01	-.10700000E-01	-.10700000E-01	-.10700000E-01	-.10700000E-01	-.10700000E-01
	22	-.10000000E-02	-.10000000E-02	-.10000000E-02	-.10000000E-02	-.10000000E-02	-.10000000E-02
	23	.10000000E-02	-.10000000E-02	.10000000E-02	.10000000E-02	.10000000E-02	.10000000E-02
	24	-.10000000E-01	.10000000E-01	-.10000000E-01	-.10000000E-01	.10000000E-01	.10000000E-01
	25	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01
	26	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01
	27	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01
	28	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01
	29	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01
	30	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01
	31	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01
	32	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01
	33	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01
	34	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01
	35	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01
III	36	-.00000000E-01	-.00000000E-01	.17000000E-01	-.20000000E-01	.31000000E-01	-.00000000E-01
	37	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01
	38	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01
	39	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01
	40	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01
	41	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01
	42	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01
	43	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01
	44	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01
	45	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01
	46	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01
	47	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01
	48	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01
	49	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01
	50	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01
	51	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01
	52	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01
	53	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01
IV	54	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01
	55	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01
	56	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01
	57	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01
	58	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01
	59	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01
	60	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01
V	61	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01
	62	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01
	63	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01
VI	64	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01
	65	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01
VII	66	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01
	67	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01
VIII	68	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01
	69	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01
IX	70	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01
	71	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01	.10000000E-01

Table B.14 Coefficients to Represent the Global Variation of the Median Value of foF2 for February 1979

HARMONIC		0	1	2	3	4	5	6
	$\frac{S}{K}$	0	1	2	3	4	5	6
I	0	.107501000+02	-.706690000-01	.074920100-01	-.448493300-02	.724169000-01	-.305013400-02	.766661000-02
	1	-.240502200+00	-.153704300+01	-.159437300+00	-.702420400+00	-.421687000+00	-.107649100+03	-.483598000+30
	2	.161770100+02	.026104000+01	.214041700+01	.430149000+00	-.193474000+01	-.040492000+00	-.230215000-03
	3	-.040103000+02	.285101000+02	.000222500+01	.950117000+01	.134166700+02	-.031942000+01	.340295200+01
	4	-.107410700+03	-.174590000+02	-.444304200+01	-.231210100+01	.125198100+02	-.043574000+01	.559522000+01
	5	-.205100100+03	-.102667500+03	-.277441300+02	-.231188400+02	-.055177700+02	-.249431000+02	-.214722000+02
	6	.130144700+03	.319131500+02	.727425900+02	.174001300+02	-.172249100+02	-.221079300+02	-.149795000+02
	7	.750050300+03	.030242300+03	.330003000+02	.340385700+02	.124117400+01	-.100049000+03	.343275000+02
	8	-.017400100+02	-.301050300+02	-.114031900+03	-.202094000+02	.663011700+02	.240444300+02	.230496000+02
	9	-.040570000+03	-.407232700+03	-.106700100+03	-.232674300+02	-.102671700+03	.100044300+03	-.105274000+02
	10	.701000000+02	.214031300+02	.333040700+02	.120016000+02	.144947300+02	-.110119000+02	-.140430000+02
	11	.120450100+03	.173394130+03	-.100297500+02	.350014000+01	.201725400+02	-.343064000+02	.314319500+01
II	12	-.274000000+00	.207203700+01	.101750000+01	.154046700+00	.410322700+01	-.120001000+00	.125501500+01
	13	-.232710100+00	-.174401000+01	.101723200+01	-.172067700+00	.217700100+00	-.002674300+01	-.210777300+01
	14	.177913000+00	.227010000+01	.155041000+01	.147000100+00	-.347727000+00	.350010000+01	.244170000+01
	15	-.031014000+00	-.007113400+00	.230240000+01	-.103224000+01	.743742000+00	-.291140000+01	.208142000+01
	16	.134469000+02	.114976700+02	-.200404000+02	-.270210000+01	.430039400+01	.252881700+01	-.207091000+01
	17	.040250000+00	.173331300+02	.115411400+02	.203043700+01	-.441010400+01	-.657010200+00	-.012107000+01
	18	.030213000+01	.130240200+01	-.743372700+02	-.125370000+02	.120482500+02	.337024000+00	-.041112500+01
	19	.000192100+02	.203050000+02	.012797000+01	.106422100+02	.103136000+02	.101240300+02	-.143449300+01
	20	-.704002000+02	-.004070000+02	.102015000+03	.229537300+02	-.274737700+02	-.140004000+02	.109411000+02
	21	.104413000+02	-.120371700+03	.704432700+02	.257220000+02	.303570000+02	.904400000+01	-.044475000+02
	22	.103264400+01	-.044426000+00	.304047000+03	.102703300+03	-.304073700+02	-.107702000+02	.470494300+02
	23	-.000132000+02	-.231503500+03	.241049500+02	-.344030400+02	.117021200+03	-.701016700+02	.203135000+02
III	24	.210031100+03	.314014000+03	-.493703000+03	.624071200+02	.103104000+02	.301031000+02	-.277971000+02
	25	-.174022000+03	.330750000+03	-.044420000+03	-.044120100+02	-.053135000+02	-.119507200+02	.243114000+02
	26	-.140300700+03	-.104103700+03	-.134044400+04	-.103372400+03	.037977700+02	.440104000+02	-.001402000+02
	27	.331229700+02	.073030000+03	.101302400+03	.154003000+03	-.240413000+03	.140402000+02	-.734100000+02
	28	-.200206700+03	.301240000+03	.370443400+03	.114031000+03	-.344210000+02	-.774031300+02	.331700000+02
	29	.244000200+03	-.431002000+03	.027609100+03	.010494400+02	.130402000+01	.113202300+02	-.043042000+02
	30	.130400000+03	.230420700+03	.130004000+04	.371023100+03	.320043000+02	.020343000+02	.700423000+02
	31	.120300700+03	-.704413000+03	.243294000+03	-.103701000+03	.103704000+03	-.211492200+02	.070204700+02
	32	.144004000+03	-.213740000+03	.072340000+03	-.303384000+02	.140370000+02	.374003000+02	-.173014000+02
	33	-.124470000+03	.173770000+03	-.040041000+03	.143032000+02	-.043972000+02	.344010300+01	.210402000+02
	34	-.201334000+03	-.141047000+03	-.040204100+03	-.103701000+03	-.303384000+02	-.043972000+02	.344010300+01
	35	-.110122000+03	.370434000+03	-.110033000+03	.070107000+02	-.170103000+01	.031010400+02	-.040377000+02
IV	36	.171700000+00	-.473043700+00	-.104437700+00	-.403300200+03	.074200000+02	.040290400+01	-.040401500+01
	37	.112403300+00	-.040272100+01	-.104430000+00	-.101010000+01	-.713010000+02	.470110100+02	-.040427000+01
	38	.704591100+00	-.404404000+00	.130223000+01	-.140413200+01	.174073300+01	.024400200+03	.047040000+03
	39	.244504300+00	.123407100+00	.073033700+00	-.140420000+01	.101514000+01	.743494000+03	.740300000+03
	40	-.170747700+01	.020046000+01	-.043403500+00	-.104404100+02	.040271400+01	-.402430000+01	-.140201300+01
	41	-.711110000+01	.030011100+00	.725070000+01	-.040303000+01	.740401000+01	.740200000+01	-.140410200+01
	42	-.103000000+01	.230031000+01	-.130407000+02	.031040200+01	-.103003000+01	-.040307300+01	.170474000+01
	43	.121110000+01	-.103007000+01	-.113020000+02	-.041130000+01	.051130000+01	.314002000+01	-.010410000+01
	44	.114003100+02	-.473032000+02	-.447010100+02	.047033000+02	-.040432300+02	-.200405000+01	.133020000+01
	45	.104001000+02	.203103000+02	-.041134000+02	.374010100+02	.117703000+02	-.117040100+02	-.040430000+01
	46	.100770000+02	.173031700+02	.040302100+02	-.040310000+01	.091140000+01	.103040000+02	.173040000+02
	47	-.117031000+02	.103200000+02	.041030100+02	.234420000+01	-.202940000+01	.103040000+02	.103040000+02
V	48	-.173031000+02	.103200000+02	.041030100+02	.234420000+01	-.202940000+01	.103040000+02	.103040000+02
	49	-.173031000+02	.103200000+02	.041030100+02	.234420000+01	-.202940000+01	.103040000+02	.103040000+02
	50	-.173031000+02	.103200000+02	.041030100+02	.234420000+01	-.202940000+01	.103040000+02	.103040000+02
	51	-.173031000+02	.103200000+02	.041030100+02	.234420000+01	-.202940000+01	.103040000+02	.103040000+02
	52	-.173031000+02	.103200000+02	.041030100+02	.234420000+01	-.202940000+01	.103040000+02	.103040000+02
	53	-.173031000+02	.103200000+02	.041030100+02	.234420000+01	-.202940000+01	.103040000+02	.103040000+02
	54	-.173031000+02	.103200000+02	.041030100+02	.234420000+01	-.202940000+01	.103040000+02	.103040000+02
	55	-.173031000+02	.103200000+02	.041030100+02	.234420000+01	-.202940000+01	.103040000+02	.103040000+02
	56	-.173031000+02	.103200000+02	.041030100+02	.234420000+01	-.202940000+01	.103040000+02	.103040000+02
	57	-.173031000+02	.103200000+02	.041030100+02	.234420000+01	-.202940000+01	.103040000+02	.103040000+02
	58	-.173031000+02	.103200000+02	.041030100+02	.234420000+01	-.202940000+01	.103040000+02	.103040000+02
	59	-.173031000+02	.103200000+02	.041030100+02	.234420000+01	-.202940000+01	.103040000+02	.103040000+02
60	-.173031000+02	.103200000+02	.041030100+02	.234420000+01	-.202940000+01	.103040000+02	.103040000+02	
VI	61	-.173031000+02	.103200000+02	.041030100+02	.234420000+01	-.202940000+01	.103040000+02	.103040000+02
	62	-.173031000+02	.103200000+02	.041030100+02	.234420000+01	-.202940000+01	.103040000+02	.103040000+02
	63	-.173031000+02	.103200000+02	.041030100+02	.234420000+01	-.202940000+01	.103040000+02	.103040000+02
VII	64	-.173031000+02	.103200000+02	.041030100+02	.234420000+01	-.202940000+01	.103040000+02	.103040000+02
	65	-.173031000+02	.103200000+02	.041030100+02	.234420000+01	-.202940000+01	.103040000+02	.103040000+02
	66	-.173031000+02	.103200000+02	.041030100+02	.234420000+01	-.202940000+01	.103040000+02	.103040000+02
VIII	67	-.173031000+02	.103200000+02	.041030100+02	.234420000+01	-.202940000+01	.103040000+02	.103040000+02
	68	-.173031000+02	.103200000+02	.041030100+02	.234420000+01	-.202940000+01	.103040000+02	.103040000+02
	69	-.173031000+02	.103200000+02	.041030100+02	.234420000+01	-.202940000+01	.103040000+02	.103040000+02
IX	70	-.173031000+02	.103200000+02	.041030100+02	.234420000+01	-.202940000+01	.103040000+02	.103040000+02
	71	-.173031000+02	.103200000+02	.041030100+02	.234420000+01	-.202940000+01	.103040000+02	.103040000+02
	72	-.173031000+02	.103200000+02	.041030100+02	.234420000+01	-.202940000+01	.103040000+02	.103040000+02

Table B.14 Coefficients to Represent the Global Variation of the Median Value of foF2 for February 1979 (Continued)

HARMONIC		4		5		6	
	$\frac{S}{K}$	7	8	9	10	11	12
I	0	.100281000-01	.102371700-01	.446380000-02	-.350134500-01	-.355140500-02	-.091001200-02
	1	.337021100+00	-.372737000-01	.219162000-01	.144944000-02	-.189441000-00	-.312070000-01
	2	-.159213100+00	-.407024000+00	-.004500000-01	-.004411400+00	.202441000+00	-.350370000+00
	3	-.037502000+01	.107000000+01	-.352019000-01	.201500000+00	.101014000+01	.111344700+01
	4	-.154177000+01	.310444300+01	-.302344100-01	-.305733700+01	-.210120300+01	.301033500+01
	5	.349492000+02	-.119000100+02	.007770000-01	-.227333500+01	-.140220400+02	-.503400000+01
	6	.030001000+01	-.000910100+01	.000000000+00	.070033000+01	.502140200+01	-.100320700+02
	7	-.770000000+02	.200000000+02	-.077737500-01	-.039135000+01	.330000000+01	.137000000+02
	8	-.140000000+02	.350000000+02	-.100000000-01	-.000000000+00	-.000000000+00	.100000000+02
	9	.700000000+02	-.272000000+02	.700000000+01	.320000000+01	-.000000000+00	.100000000+02
	10	.000000000+00	-.000000000+00	.400000000+00	.310000000+00	.100000000+01	-.000000000+00
	11	-.270000000+02	.131000000+02	-.710000000-01	.020000000+02	.132000000+02	.500000000+01
II	12	-.207737000-01	.007134000-02	.300700200-02	.120000000-01	.001000000-02	-.070000000-02
	13	.270000000+00	-.070000000-02	.301200000-01	.300000000-01	-.121733500-01	.100000000-01
	14	-.007000000+00	.323330000+00	.113700000+00	-.015000000-02	-.100000000+00	.100000000+00
	15	-.213139000+00	.077000000+01	-.010000000+00	-.337200000+00	.100000000+01	.100000000+01
	16	-.007000000+00	.190000000+01	.110000000+01	-.000000000+00	-.000000000+00	-.270000000+00
	17	-.013700000+00	.300000000+00	-.130000000+01	.312700000+00	.200000000+00	.333330000+00
	18	.710000000+01	-.030000000+01	-.030000000+01	.300000000+00	.300000000+01	.200000000+01
	19	-.013700000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	20	.700000000+01	-.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	21	.030000000+01	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	22	-.013700000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	23	.110000000+01	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
III	24	-.013700000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	25	-.013700000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	26	.000000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	27	-.007000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	28	.100000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	29	.300000000+01	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	30	-.030000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	31	.000000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	32	-.007000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	33	-.007000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	34	.000000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	35	-.007000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
IV	36	-.007000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	37	-.007000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	38	-.007000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	39	-.007000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	40	-.007000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	41	-.007000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	42	-.007000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	43	-.007000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	44	-.007000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	45	-.007000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	46	-.007000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	47	-.007000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
V	48	-.007000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	49	-.007000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	50	-.007000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	51	-.007000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	52	-.007000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	53	-.007000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	54	-.007000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	55	-.007000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	56	-.007000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	57	-.007000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	58	-.007000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	59	-.007000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
60	-.007000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01	
VI	61	-.007000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	62	-.007000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	63	-.007000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	64	-.007000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	65	-.007000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	66	-.007000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	67	-.007000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	68	-.007000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	69	-.007000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	70	-.007000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	71	-.007000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	72	-.007000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
VII	73	-.007000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	74	-.007000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	75	-.007000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	76	-.007000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	77	-.007000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	78	-.007000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	79	-.007000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	80	-.007000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	81	-.007000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	82	-.007000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	83	-.007000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	84	-.007000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
VIII	85	-.007000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	86	-.007000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	87	-.007000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	88	-.007000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	89	-.007000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	90	-.007000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	91	-.007000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	92	-.007000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	93	-.007000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	94	-.007000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	95	-.007000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	96	-.007000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
IX	97	-.007000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	98	-.007000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	99	-.007000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	100	-.007000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+01	.200000000+01
	101	-.007000000+00	.030000000+01	.030000000+01	.300000000+01	.200000000+	

Table B.15 Coefficients to Represent the Global Variation of the Median Value of foF2 for March 1979

HARMONIC		0	1	2	3	4	5	6
	S	0	1	2	3	4	5	6
	K	0	1	2	3	4	5	6
I	0	.11240890E+02	-.41624120E-01	.10330120E+20	-.41049150E-01	.40514010E-01	-.40549100E-01	.23301710E-31
	1	-.21942960E+01	-.28399770E-01	.14594400E+00	-.34172940E-01	.12993370E-01	-.55910580E+00	-.43944324E+00
	2	.23949120E+02	.20379700E+01	-.98492020E+00	.19759420E-01	-.14504330E-01	-.17837330E+01	.12384900E+02
	3	.40849770E+02	.57746930E+01	-.84402700E+01	.28493240E-01	-.19314320E+02	-.49737120E+01	.77611450E+01
	4	-.13747000E+03	-.17392200E+02	-.23021010E+02	-.21987300E-02	-.82943700E-01	-.14246420E+02	-.11513840E+01
	5	-.27848920E+03	-.24058400E+03	.10104050E+03	-.10144100E-01	.17472120E-02	-.42822400E+02	-.14812440E+02
	6	.27261740E+03	-.17347000E+02	.11294710E+02	.40744140E+02	-.89429330E-01	-.34040610E+02	.43793310E+01
	7	.44801910E+03	.71342400E+02	-.34137820E+02	-.13310140E+02	-.14239310E+02	-.49702410E+02	.84670390E+02
	8	-.24039470E+03	.10466810E+02	-.15472740E+02	-.49092110E+02	.63494400E+01	.43395270E+02	-.11844940E+02
	9	-.74521120E+03	-.73272200E+02	.43722600E+02	.15214700E+02	.14494440E+02	.78219470E+02	-.40312030E+02
	10	.47342400E+02	-.37897100E+01	.49471120E+02	.10495440E+02	-.14741240E+02	-.44441100E+01	-.44441100E+01
	11	.29974920E+03	.29924440E+02	-.14934100E+02	-.17949700E+02	-.37371210E+02	-.29421020E+02	.24444790E+02
II	12	-.10169400E+03	.14849470E+01	.17415910E+01	.40741100E-01	.17421110E+00	-.42475280E+01	.13633940E+03
	13	-.29397210E+00	-.14933400E+01	.14949400E+01	-.13414000E+00	.31244010E+00	.31222140E+01	-.14159400E+01
	14	-.10925100E+01	-.14849470E+01	.24449400E+01	-.14449400E+01	-.14449400E+01	.39114970E+02	-.34949400E+02
	15	-.20167100E+01	-.12449400E+01	-.20749400E+01	.24449400E+01	.14449400E+01	.14449400E+01	.34949400E+02
	16	.20167100E+02	.37449400E+01	-.15449400E+02	.14949400E+01	.11749400E+01	.14449400E+01	.13321400E+01
	17	-.14849400E+01	.17949400E+01	.14449400E+01	-.32149400E+01	-.11749400E+01	-.24049400E+01	-.44449400E+01
	18	.27261740E+02	.22470000E+02	-.31179400E+02	-.22149400E+02	.14449400E+01	-.44449400E+01	-.12731400E+02
	19	.34949400E+02	.24449400E+02	.34949400E+02	.12449400E+01	-.27349400E+02	.10221400E+01	.44449400E+02
	20	-.11849400E+01	.44449400E+01	.44449400E+01	.14449400E+01	.14449400E+01	.14449400E+01	.14449400E+01
	21	.14449400E+01	-.12449400E+01	.14449400E+01	.37349400E+01	.14449400E+01	.14449400E+01	.14449400E+01
	22	-.14849400E+01	-.34949400E+01	.14449400E+01	.14449400E+01	-.34949400E+01	.14449400E+01	.14449400E+01
	23	-.11174940E+03	-.24449400E+01	-.34949400E+01	-.34949400E+01	.14449400E+01	-.24449400E+01	.14449400E+01
	24	.34949400E+01	-.12449400E+01	.14449400E+01	.14449400E+01	-.34949400E+01	.14449400E+01	.14449400E+01
	25	-.24449400E+01	.14449400E+01	-.14449400E+01	-.14449400E+01	.14449400E+01	-.14449400E+01	.14449400E+01
	26	.34949400E+01	.14449400E+01	-.14449400E+01	-.14449400E+01	.14449400E+01	-.14449400E+01	.14449400E+01
	27	-.14449400E+01	.14449400E+01	.14449400E+01	.14449400E+01	-.14449400E+01	.14449400E+01	-.14449400E+01
	28	-.14449400E+01	.14449400E+01	.14449400E+01	.14449400E+01	-.14449400E+01	.14449400E+01	-.14449400E+01
	29	.14449400E+01	-.14449400E+01	.14449400E+01	.14449400E+01	-.14449400E+01	.14449400E+01	-.14449400E+01
	30	-.14449400E+01	.14449400E+01	.14449400E+01	.14449400E+01	-.14449400E+01	.14449400E+01	-.14449400E+01
	31	.14449400E+01	-.14449400E+01	.14449400E+01	.14449400E+01	-.14449400E+01	.14449400E+01	-.14449400E+01
	32	.14449400E+01	.14449400E+01	.14449400E+01	.14449400E+01	-.14449400E+01	.14449400E+01	-.14449400E+01
	33	-.14449400E+01	.14449400E+01	.14449400E+01	.14449400E+01	-.14449400E+01	.14449400E+01	-.14449400E+01
	34	.14449400E+01	-.14449400E+01	.14449400E+01	.14449400E+01	-.14449400E+01	.14449400E+01	-.14449400E+01
	35	-.14449400E+01	.14449400E+01	.14449400E+01	.14449400E+01	-.14449400E+01	.14449400E+01	-.14449400E+01
III	36	.14449400E+01	-.14449400E+01	.14449400E+01	.14449400E+01	-.14449400E+01	.14449400E+01	-.14449400E+01
	37	.14449400E+01	.14449400E+01	.14449400E+01	.14449400E+01	-.14449400E+01	.14449400E+01	-.14449400E+01
	38	-.14449400E+01	.14449400E+01	.14449400E+01	.14449400E+01	-.14449400E+01	.14449400E+01	-.14449400E+01
	39	.14449400E+01	-.14449400E+01	.14449400E+01	.14449400E+01	-.14449400E+01	.14449400E+01	-.14449400E+01
	40	-.14449400E+01	.14449400E+01	.14449400E+01	.14449400E+01	-.14449400E+01	.14449400E+01	-.14449400E+01
	41	.14449400E+01	-.14449400E+01	.14449400E+01	.14449400E+01	-.14449400E+01	.14449400E+01	-.14449400E+01
	42	.14449400E+01	.14449400E+01	.14449400E+01	.14449400E+01	-.14449400E+01	.14449400E+01	-.14449400E+01
	43	-.14449400E+01	.14449400E+01	.14449400E+01	.14449400E+01	-.14449400E+01	.14449400E+01	-.14449400E+01
	44	.14449400E+01	-.14449400E+01	.14449400E+01	.14449400E+01	-.14449400E+01	.14449400E+01	-.14449400E+01
	45	-.14449400E+01	.14449400E+01	.14449400E+01	.14449400E+01	-.14449400E+01	.14449400E+01	-.14449400E+01
	46	.14449400E+01	-.14449400E+01	.14449400E+01	.14449400E+01	-.14449400E+01	.14449400E+01	-.14449400E+01
	47	-.14449400E+01	.14449400E+01	.14449400E+01	.14449400E+01	-.14449400E+01	.14449400E+01	-.14449400E+01
	48	.14449400E+01	-.14449400E+01	.14449400E+01	.14449400E+01	-.14449400E+01	.14449400E+01	-.14449400E+01
	49	-.14449400E+01	.14449400E+01	.14449400E+01	.14449400E+01	-.14449400E+01	.14449400E+01	-.14449400E+01
	50	.14449400E+01	-.14449400E+01	.14449400E+01	.14449400E+01	-.14449400E+01	.14449400E+01	-.14449400E+01
	51	-.14449400E+01	.14449400E+01	.14449400E+01	.14449400E+01	-.14449400E+01	.14449400E+01	-.14449400E+01
	52	.14449400E+01	-.14449400E+01	.14449400E+01	.14449400E+01	-.14449400E+01	.14449400E+01	-.14449400E+01
	53	-.14449400E+01	.14449400E+01	.14449400E+01	.14449400E+01	-.14449400E+01	.14449400E+01	-.14449400E+01
	54	.14449400E+01	-.14449400E+01	.14449400E+01	.14449400E+01	-.14449400E+01	.14449400E+01	-.14449400E+01
IV	55	.14449400E+01	-.14449400E+01	.14449400E+01	.14449400E+01	-.14449400E+01	.14449400E+01	-.14449400E+01
	56	-.14449400E+01	.14449400E+01	.14449400E+01	.14449400E+01	-.14449400E+01	.14449400E+01	-.14449400E+01
	57	.14449400E+01	-.14449400E+01	.14449400E+01	.14449400E+01	-.14449400E+01	.14449400E+01	-.14449400E+01
	58	-.14449400E+01	.14449400E+01	.14449400E+01	.14449400E+01	-.14449400E+01	.14449400E+01	-.14449400E+01
	59	.14449400E+01	-.14449400E+01	.14449400E+01	.14449400E+01	-.14449400E+01	.14449400E+01	-.14449400E+01
	60	-.14449400E+01	.14449400E+01	.14449400E+01	.14449400E+01	-.14449400E+01	.14449400E+01	-.14449400E+01
	61	.14449400E+01	-.14449400E+01	.14449400E+01	.14449400E+01	-.14449400E+01	.14449400E+01	-.14449400E+01
	62	-.14449400E+01	.14449400E+01	.14449400E+01	.14449400E+01	-.14449400E+01	.14449400E+01	-.14449400E+01
	63	.14449400E+01	-.14449400E+01	.14449400E+01	.14449400E+01	-.14449400E+01	.14449400E+01	-.14449400E+01
	64	-.14449400E+01	.14449400E+01	.14449400E+01	.14449400E+01	-.14449400E+01	.14449400E+01	-.14449400E+01
V	65	.14449400E+01	-.14449400E+01	.14449400E+01	.14449400E+01	-.14449400E+01	.14449400E+01	-.14449400E+01
	66	-.14449400E+01	.14449400E+01	.14449400E+01	.14449400E+01	-.14449400E+01	.14449400E+01	-.14449400E+01
	67	.14449400E+01	-.14449400E+01	.14449400E+01	.14449400E+01	-.14449400E+01	.14449400E+01	-.14449400E+01
	68	-.14449400E+01	.14449400E+01	.14449400E+01	.14449400E+01	-.14449400E+01	.14449400E+01	-.14449400E+01
VI	69	.14449400E+01	-.14449400E+01	.14449400E+01	.14449400E+01	-.14449400E+01	.14449400E+01	-.14449400E+01
	70	-.14449400E+01	.14449400E+01	.14449400E+01	.14449400E+01	-.14449400E+01	.14449400E+01	-.14449400E+01
VII	71	.14449400E+01	-.14449400E+01	.14449400E+01	.14449400E+01	-.14449400E+01	.14449400E+01	-.14449400E+01
	72	-.14449400E+01	.14449400E+01	.14449400E+01	.14449400E+01	-.14449400E+01	.14449400E+01	-.14449400E+01
VIII	73	.14449400E+01	-.14449400E+01	.14449400E+01	.14449400E+01	-.14449400E+01	.14449400E+01	-.14449400E+01
	74	-.14449400E+01	.14449400E+01	.14449400E+01	.14449400E+01	-.14449400E+01	.14449400E+01	-.14449400E+01
IX	75	.14449400E+01	-.14449400E+01	.14449400E+01	.14449400E+01	-.14449400E+01	.14449400E+01	-.14449400E+01
	76	-.14449400E+01	.14449400E+01	.14449400E+01	.14449400E+01	-.14449400E+01	.14449400E+01	-.14449400E+01

Table B.15 Coefficients to Represent the Global Variation of the Median Value of foF2 for March 1979 (Continued)

HARMONIC		4		5		6	
	S	7	8	9	10	11	12
I	0	-.2227740E-01	-.2116000E-01	.5907190E-01	-.1260000E-02	.16327170E-01	.7235775E-02
	1	.10220740E-01	-.1012900E-01	.0133940E-02	-.28440740E-01	.2515040E-01	-.0727300E-01
	2	.1132110E-01	-.03207120E-00	-.0769680E-01	.3808942E+00	-.0122791E+00	-.3117161E-00
	3	-.1130320E-01	.1319880E-01	.0303130E+00	.0201103E+00	.0359780E-01	.0016780E-00
	4	-.7792400E-01	.0139900E-01	.7610610E+00	-.0402030E+01	.7351121E+01	.3903930E+01
	5	.2605172E-01	-.2113930E-01	-.7071067E+00	-.0402030E+01	-.1157390E+01	-.3139407E+01
	6	.1989721E-01	-.2357942E-02	.3029114E+01	.1022145E+02	-.1332925E+02	-.0426760E+01
	7	.0314210E-01	.1108000E-01	.2004910E+02	.0494930E+01	.7347350E+01	.1103720E+02
	8	-.2190112E-02	.20093120E-01	-.0090370E-01	-.2112+00E-02	.1402394E+02	.1054000E+02
	9	-.1049237E-02	.28027920E-01	-.1049456E+02	.19216710E+01	-.0100000E+01	-.1208000E+02
	10	.0000135E-01	-.1019300E-02	.3392111E+02	.03001120E+01	-.0421100E+01	-.0200000E+01
	11	.0001040E-01	-.2139400E-01	.1304940E+02	-.10027450E+00	.10019110E+01	-.0073100E+01
II	12	-.1009120E-01	-.1010100E-01	-.7770920E-01	-.10091070E-01	.5157740E-02	-.2304930E-01
	13	.00497410E-01	.1261000E+00	.00930220E-02	.0020040E-01	.0092945E-02	.1000000E-01
	14	.1312200E-01	-.0012000E+00	.7729400E-01	-.10112070E+00	-.0017000E-02	-.1070000E+00
	15	-.1010000E-00	-.00013370E-00	.0001020E-01	.10091070E-01	.1720400E+00	.0073012E+00
	16	.1131010E-01	.2007410E-01	.71272010E+00	.10040220E+01	-.01401370E+00	.3727020E+00
	17	-.1007200E-01	-.00010170E-01	-.7023000E+00	.10027450E+00	-.1019120E+00	-.1137000E+01
	18	.3000000E-01	.0170000E-01	.2510000E-01	.00100120E+01	-.3127000E+00	.2000000E+00
	19	.70011120E-01	.1304710E-02	-.22440740E-01	.13027310E+01	.25.70000E+01	.2700000E+01
	20	-.0099700E-01	-.0007000E-01	-.0007000E-01	.2227740E-01	.0000170E-01	.2000000E+01
	21	.1000000E-01	-.1000000E-01	.7000000E-01	.1171010E+02	-.0000000E-01	.1000000E+02
	22	-.1000000E-01	-.1000000E-01	.2201000E-02	.21100070E+02	.0000000E-01	.1000000E+02
	23	-.1000000E-01	.1000000E-01	.1010100E-01	.0000000E+01	.1371000E-02	-.1077000E-02
III	24	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	25	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	26	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	27	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	28	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	29	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	30	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	31	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	32	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	33	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	34	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	35	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
IV	36	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	37	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	38	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	39	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	40	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	41	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	42	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	43	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	44	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	45	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	46	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	47	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
V	48	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	49	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	50	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	51	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	52	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	53	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	54	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	55	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	56	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	57	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	58	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	59	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
60	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	
VI	61	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	62	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	63	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	64	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	65	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	66	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	67	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	68	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	69	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	70	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	71	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	72	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
VII	73	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	74	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	75	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	76	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	77	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	78	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	79	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	80	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	81	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	82	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	83	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	84	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
VIII	85	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	86	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	87	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	88	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	89	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	90	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	91	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	92	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	93	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	94	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	95	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	96	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
IX	97	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	98	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	99	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	100	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	101	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	102	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	103	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	104	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	105	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	106	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	107	.1000000E-01	.0000000E-01	.1000000E-01	.1000000E-01	.1000000E-01	.1000000E-01
	108	.1000000E-01	.0				

Table B.16 Coefficients to Represent the Global Variation of the Median Value of foF2 for April 1979

HARMONIC		0	1	2	3	4	5	6
	$\frac{S}{K}$	0	1	2	3	4	5	6
		0	1	2	3	4	5	6
I	0	.11415460E+02	.21020460E+00	.28610640E+00	.25112430E-01	.37400300E-01	.29970280E-01	.15871200E-01
	1	-.14772080E+01	-.45391000E-01	.11649210E+01	-.38078950E+00	.12134160E+01	-.19409330E+00	-.28024770E-01
	2	.31742270E+02	-.37792260E+01	-.24447260E+01	.13946390E+01	.13355430E+01	-.11800440E+01	-.73265490E+00
	3	.18791480E+02	.18901210E+02	-.53531790E+01	.95060590E+01	-.18350910E+02	-.28226800E+01	.45132740E+01
	4	-.14131190E+01	.34068590E+02	-.14011940E+02	-.62491940E+01	-.18377780E+02	.42366310E+01	.45769330E+01
	5	-.10209460E+03	-.14432820E+03	.42314840E+02	-.51472410E+02	.10113700E+03	.14970500E+02	-.25713300E+02
	6	.22318610E+03	-.89755360E+02	.84921900E+02	.95324780E+01	.34427740E+02	-.23162900E+02	-.84228020E+01
	7	.26032220E+03	.40800140E+03	-.14694520E+03	.11449040E+03	-.23871400E+03	.45135210E+02	.3397340E+02
	8	-.18412300E+03	.11117830E+03	-.12384540E+03	-.53572650E+01	-.89129560E+02	.22505230E+02	.57041640E+01
	9	-.28495420E+03	-.46161510E+03	.23177430E+03	-.11450740E+03	.25324780E+03	.47900370E+02	-.56749570E+02
	10	.44622390E+02	-.41717840E+02	.55079680E+02	.51907690E+02	-.7751210E+02	-.73314480E+01	-.75748733E+02
	11	.11448840E+03	.14610140E+03	-.10305460E+03	.42683460E+02	-.95947980E+02	-.14094900E+02	-.25741276E+02
II	12	-.64193430E+01	.15911530E+01	.17559440E+01	.11280200E+00	-.29420780E-02	-.55159750E-01	.58990430E-01
	13	-.2404910E-01	-.17215390E-01	.1590580E-01	.17004630E-01	.13400820E-01	-.24582043E-01	-.13832230E-02
	14	-.10322160E-01	-.45619990E-01	-.17485740E+00	.38533250E+00	.43467710E-01	-.78929330E+00	.28781260E-02
	15	-.12438350E+00	.23061230E+01	-.24511910E+01	.36479190E+00	-.7760790E-01	.3729190E+00	-.11923300E-01
	16	.11290370E+02	.14514760E+02	-.1274710E+02	.15522360E+01	-.12195610E+01	-.57138190E+00	.12047790E+01
	17	-.10576330E+01	.12527730E+02	.64942710E+01	-.19382340E+01	-.24179770E+01	.34940940E+01	-.23454330E+01
	18	.25728840E+02	.12845360E+02	-.14988360E+02	-.20584940E+02	.14789610E+01	-.64333420E+01	-.64333420E+01
	19	.17773180E+02	-.86948770E+01	.47893480E+02	-.30742080E+02	-.14414840E+02	.44445710E+01	-.1627910E+01
	20	-.54249510E+02	.14252210E+01	.75345840E+02	-.26361180E+02	.40185400E+02	.82473110E+01	-.15142260E+02
	21	.18482120E+02	-.72825790E+02	.11211140E+03	.18986350E+01	-.21291840E+02	.30464940E+02	-.2447190E+02
	22	-.17927000E+03	-.97846120E+02	.12364440E+03	.13770840E+03	-.29281920E+02	-.96720120E+02	.41101450E+02
	23	-.69466840E+02	.30619520E+02	-.31733550E+03	-.11929930E+02	.88741360E+02	.22126500E+02	.1395126E+02
	24	.17701670E+03	-.16792130E+03	-.16228310E+03	.97029770E+02	-.17755440E+03	.30433150E+02	.1578420E+02
	25	-.15157640E+03	.12602220E+03	-.84181870E+03	.15739520E+02	-.79081360E+02	-.95245010E+02	-.99433810E+02
	26	.67036170E+03	.21433350E+03	-.31414630E+03	-.35248170E+03	.12595940E+03	.24872110E+03	-.12487200E+03
	27	.7519170E+02	.20249150E+03	.6084640E+02	-.1951100E+03	-.1951100E+03	-.44592310E+02	-.15256630E+02
	28	-.10542610E+03	.21149130E+03	.2693590E+03	-.13163310E+03	.72747420E+03	.40960000E+02	-.67353460E+02
	29	.121336730E+03	-.11762340E+03	.10513340E+04	-.35000190E+02	.12546390E+03	.12162000E+03	.13767001E+03
	30	-.91538620E+03	.16740780E+03	.29939710E+03	.39801220E+03	-.18924930E+03	.32762440E+03	.15943770E+03
	31	.37636010E+03	-.31088290E+03	-.11360810E+04	-.32799810E+02	.19115020E+03	-.41167740E+02	.25485370E+02
	32	.18300570E+03	.19366490E+03	-.11284440E+03	.63341470E+02	-.11849220E+03	-.17444510E+02	.23943770E+02
	33	-.10526430E+03	.51809140E+02	-.5384510E+03	.20337910E+02	-.49017470E+02	.53849290E+02	-.62261420E+02
	34	.17232790E+03	.10061910E+02	-.42927890E+02	-.16884910E+03	.92551360E+02	.14435890E+03	-.7326130E+02
	35	-.25784950E+02	.14934390E+03	.5071350E+02	.17683020E+02	-.72347590E+02	-.14875320E+03	-.47727420E+01
III	36	.55422380E+00	-.46119720E+00	.44233380E+00	-.77872300E+00	.75152930E+00	-.3118930E-01	-.4049510E-02
	37	.21241080E+00	-.50775650E+00	-.13911050E+00	-.75435000E+00	-.56871190E+00	-.6376220E-02	-.6376220E-02
	38	.8466490E+00	.5594440E+00	.1637110E+00	.13659350E+01	.37601040E+00	.1258090E+00	.14897310E+01
	39	.25645080E+00	.23313130E+00	.9879140E-01	.72014160E+00	.1245050E+01	.22291950E-01	.7848321E+00
	40	-.7089440E+01	.8544030E-01	-.11137290E+01	-.47897930E+01	.9857950E+01	.52808310E+00	.15479330E+01
	41	-.18193830E+01	.47786450E+01	.4033510E+00	-.10617610E+02	-.81559820E+01	.17217210E+01	.10765510E+01
	42	-.19903700E+01	.32445490E+01	-.8023440E+01	-.6103370E+01	-.17634810E+01	-.15830610E+01	-.2488940E+01
	43	.13379430E+01	-.3215610E+01	-.13975410E+01	-.53954770E+01	-.44603910E+01	.10750290E+01	.24532430E+01
	44	.15771190E+02	.39145700E+02	-.31761290E+02	.18894600E+02	.40106390E+02	.12204850E+02	.1424870E+02
	45	.7853120E+01	-.49645100E+01	-.69427100E+01	.48832660E+02	-.4309440E+02	-.10623190E+02	.3429490E+01
	46	.11276760E+02	.1013500E+02	.17018380E+02	.68404230E+01	.58297430E+01	.47719360E+01	.10636730E+01
	47	-.44432780E+01	.14961170E+02	.11372530E+02	.82346100E+01	.15416740E+02	-.9829220E+01	.34311030E+01
	48	-.14591640E+02	.8297080E+02	.42769470E+02	-.14591640E+02	.51537450E+02	-.49633970E+01	.34311030E+01
	49	-.1582960E+02	.15846450E+02	-.1486020E+02	-.7873680E+02	-.78278810E+02	.18527900E+02	.1371340E+02
	50	-.32512710E+01	.10816800E+02	-.2154350E+02	-.89280140E+01	-.498412970E+01	-.501707630E+01	-.87517630E+01
	51	.54267000E+01	-.79155680E+01	-.11294940E+02	.30533610E-01	.1232030E+02	.71791970E+01	.1495974E+01
	52	.30776150E+02	-.54292400E+02	-.61031430E+02	.5372730E+01	-.17323770E+02	.90130800E+01	.23763610E+02
	53	.10029350E+02	.16146030E+02	.22936420E+01	.37854027E+02	.44915320E+02	-.91961820E+01	-.90492450E+01
IV	54	-.23060940E+00	-.75469570E-01	-.42320400E-03	.12803440E+00	.19852210E-01	-.63378370E+00	-.13102840E+01
	55	-.11971350E-01	-.23990770E-01	-.38541380E-01	.91899360E-01	.12173060E-01	.9796020E+00	-.58931340E+00
	56	.34779130E+00	-.36484970E-01	.24034330E+00	-.87968640E-01	-.29032240E-02	.11897910E+00	-.21268750E+00
	57	.9928110E+00	.67142150E+00	-.3118460E+00	-.24008630E+00	-.1174640E+00	-.12873630E+00	.6143796E+00
	58	.14275020E+01	.2189590E+00	.12246830E+01	-.6728000E+00	-.41130140E-01	.21306190E-01	.13124270E-01
	59	-.6123670E+00	.19317210E+01	-.10513640E+01	-.65184280E+00	-.7040580E+00	.129333010E+01	.7020270E+01
	60	-.14994770E+01	.10847730E+01	-.10147340E+01	.65164350E+00	-.54935180E+00	.24746420E+00	.6151342E+00
V	61	-.28136470E+01	.22354210E+01	.88603980E+00	.10174510E+01	.83474240E+00	.65301110E-01	-.4397450E+00
	62	-.17231360E+01	.1421500E+00	.17560390E+01	.62262460E+00	.7632980E+00	-.48609210E+01	-.2716630E+01
	63	.96444910E+00	-.65469020E+01	-.2115160E+01	-.73742420E+00	.35427940E+00	.1973620E+01	-.46183740E+01
	64	-.41492230E-01	-.35884570E-01	-.79148250E-01	-.40060110E-01	-.17767490E-01	-.42813160E-01	-.8151336E-01
VI	65	-.1750470E+00	.20563070E+00	.19720340E-01	.42330510E-01	-.12804700E-01	.10681340E-01	-.56611640E-01
	66	-.28431800E-01	-.83632600E-01	.14507290E+00	.14482760E+00	.64895480E-01	-.33293160E-01	.2693240E+00
VII	67	-.7707310E-01	-.16817900E+00	-.17635070E+00	-.41426310E-01	.11515680E-01	-.10827430E-01	-.18736413E+00
	68	-.14229200E-01	.40575440E-01	.22624530E-01	.39298250E-01	-.14277390E-01	.63066130E-01	.5489704E-01
VIII	69	-.24441520E-01	.65187440E-01	-.13592420E-01	.2046990E-01	.85612490E-01	-.24483930E-01	.5194940E-01
	70	-.27211740E-02	-.10276720E-01	.17219040E+00	.41241320E-01	-.246217790E-01	-.14120493E-02	-.14120493E-02
IX	71	.66949030E-01	.17140280E-01	.21893430E-01	.42611040E-01	.17711950E-01	.18903330E-01	-.14792130E-02
	72	-.97964010E-01	-.3117000E-01	-.43984720E-01	.18072280E-02	-.14965870E-01	.13959280E-01	-.34692810E-02
	73	.50008470E-02	.1074970E-01	-.2522080E-02	.14493330E-01	-.1517910E-01	-.74105310E-01	.51192310E-01
X	74	.12643900E-01	-.24461420E-01	-.2521140E-01	-.44154930E-01	.22943990E-01	-.74979330E-02	.51824610E-01
	75	-.42365440E-01	.64181890E-01	.6188920E-02	-.14613640E-01	.43212050E-02	-.24279930E-01	.63794120E-02

Table B.16 Coefficients to Represent the Global Variation of the Median Value of foF2 for April 1979 (Continued)

HARMONIC		4		5		6	
	S	7	8	9	10	11	12
I	0	.23981240E-01	-.25761110E-01	-.15910580E-01	-.10744320E-01	.22438400E-01	-.29780510E-01
	1	-.30418480E-00	.20291450E-00	-.12018400E-00	.07881740E-01	-.01472400E-01	.15289370E-00
	2	-.54122040E-00	-.78233700E-01	-.23315570E-00	.06570840E-02	-.34258800E-00	.02448140E-00
	3	.33020140E-01	-.17949380E-01	.18170130E-01	-.22787180E-01	.04208040E-01	-.21225800E-01
	4	-.05447680E-01	.27276040E-01	-.21378910E-00	.14293020E-00	.34310550E-01	-.38172100E-01
	5	-.13808400E-02	.3462020E-02	-.0020800E-01	.1300740E-02	-.25435150E-01	.04217320E-01
	6	-.14006500E-02	-.00278830E-01	.19424450E-01	.06780740E-00	-.10931080E-02	.14276410E-02
	7	.04497200E-02	-.72442400E-01	.14544920E-02	-.30226770E-02	.04754840E-01	-.10213010E-02
	8	.20994800E-02	.12716310E-02	-.04416080E-01	-.29297010E-01	.12478400E-02	-.15220830E-02
	9	-.09213630E-02	.04935120E-01	-.16100510E-02	.30741340E-02	-.10178450E-02	.15584110E-02
	10	-.02490310E-01	-.59820730E-01	-.25671770E-01	.17790520E-01	-.25511240E-01	.38886700E-01
	11	.1923740E-02	-.10072600E-01	.58923670E-01	-.11357780E-02	.43605240E-01	-.37885450E-01
II	12	.16635400E-02	-.3562330E-01	-.14706210E-01	-.19046430E-02	-.71357550E-02	.21622390E-01
	13	-.39481940E-01	.14655040E-00	.09613780E-01	.34824370E-01	.71910050E-02	.32299410E-01
	14	.31794080E-02	.3217400E-01	.13783030E-01	-.2725140E-00	.18000200E-00	.12789430E-01
	15	.12727200E-00	-.05072530E-01	-.05319430E-02	.34119440E-00	-.23701050E-00	-.1063120E-01
	16	.14006800E-01	.16870140E-01	.04048590E-00	.05030010E-00	.28180370E-00	-.28180370E-00
	17	.03847240E-00	-.39145420E-01	-.23507770E-01	-.02202970E-00	.14917460E-00	-.03286110E-00
	18	.24003080E-01	-.04144470E-00	-.11233580E-01	.07400720E-01	-.34726310E-01	.16410400E-01
	19	-.02644900E-00	.33245460E-01	-.09466710E-00	.51780510E-01	-.17039200E-01	.3207670E-01
	20	-.01000110E-00	-.10704730E-02	-.29572200E-01	-.20811340E-01	.39022280E-01	.04861340E-01
	21	.13781330E-00	.19031100E-02	-.18100800E-02	.04862440E-01	-.31817120E-01	.1318480E-01
	22	-.2043670E-02	.01227100E-01	.72403940E-01	-.24540940E-02	.17420320E-02	.1400040E-02
	23	-.0794840E-01	-.33376170E-02	.05175910E-01	-.22389910E-02	.11315840E-01	-.24813310E-02
	24	.74027030E-01	.0419240E-02	.05275810E-01	-.37411740E-01	.13730370E-02	-.26726140E-00
	25	-.10052260E-02	-.37263040E-02	-.53746270E-02	.10470120E-02	.11343740E-02	.12088220E-02
	26	.34015900E-02	-.3121230E-02	-.26880400E-02	.07627950E-02	-.10435070E-03	-.12797070E-02
	27	-.0400510E-02	.01312500E-02	-.29794700E-02	.39822480E-02	.10418270E-02	.3246260E-02
	28	.20437410E-02	-.00126230E-02	-.1071470E-02	.1392300E-02	-.19416770E-02	.15100304E-00
	29	.0410340E-02	.27110400E-02	.0420330E-02	.23781170E-02	-.1711040E-02	.12846220E-02
	30	-.02194320E-02	.04940710E-02	.17069730E-02	-.30010000E-02	.2820180E-03	.04886430E-02
	31	.00393310E-02	-.75102020E-02	.34742710E-02	-.30087310E-02	-.2310490E-02	-.08742530E-02
	32	.14708120E-02	.2189490E-02	.04361940E-01	-.11766030E-02	.09318420E-01	-.04366330E-00
	33	.24163240E-02	-.04102110E-01	-.2703680E-02	-.1073770E-02	.06710820E-01	-.04016810E-01
	34	-.2219780E-02	.21980130E-02	-.0552140E-01	.34684010E-02	-.37104610E-02	.14629670E-02
	35	.112660E-02	.22470170E-02	-.14850220E-02	.7320330E-01	.12466330E-02	.2712640E-02
III	36	-.10508370E-01	.07963860E-01	-.15672020E-02	.30880740E-01	-.42218640E-02	.3404640E-01
	37	.10076210E-01	.0426910E-02	-.0251250E-01	-.10730830E-02	-.21001960E-01	-.11031390E-01
	38	.10076210E-01	.0426910E-01	-.0410740E-01	-.2389130E-01	-.0715830E-01	-.2485330E-01
	39	-.17043540E-00	-.35946770E-01	.78088230E-01	-.3243040E-00	-.1121240E-01	.22404010E-01
	40	.15971500E-01	-.12230730E-01	.02110710E-01	.0354710E-00	.21210610E-00	-.0244620E-00
	41	-.0404160E-01	.1371120E-00	.77113200E-00	.16673220E-00	.31641380E-00	.3321810E-01
	42	-.1107330E-01	-.25041760E-01	.35041000E-00	.31142200E-00	.77403020E-00	.0006940E-00
	43	.2774310E-01	.12693360E-01	-.24394310E-00	.17978830E-01	-.24211540E-00	.18662230E-00
	44	-.0045040E-01	.7641270E-01	-.11038210E-01	.31190730E-01	.13510500E-01	-.0480910E-01
	45	.34121170E-01	-.17207640E-01	-.02047740E-01	.11884610E-00	-.12719160E-01	.072441620E-01
	46	.0037410E-01	.07278790E-01	-.03384400E-00	.06920140E-00	-.16110330E-01	.12014820E-01
	47	-.7887140E-01	-.0494360E-01	-.21768630E-00	.23721110E-01	.0484840E-00	.10164040E-01
	48	.12867280E-02	-.1510110E-02	.02044170E-01	.10263780E-02	.3937620E-01	.10081200E-01
	49	.1259180E-02	.07407810E-01	.7962140E-01	.17101840E-01	.14021520E-01	.10372180E-01
	50	.19036140E-01	-.70763610E-01	.2320710E-00	.11629130E-01	.0904700E-00	.33981250E-01
	51	.5762180E-01	.4190180E-01	-.1348180E-01	.04331220E-00	-.2518180E-00	.1742020E-00
	52	-.0411220E-01	.04724420E-01	-.3879440E-01	.06507440E-01	.24285740E-01	.04039720E-00
	53	-.09581710E-01	-.3667670E-01	-.13784370E-01	-.1466480E-01	-.11731630E-01	-.15109170E-01
IV	54	.66646320E-01	-.0477470E-01	-.05514110E-02	-.04064910E-02	-.04617260E-02	.04820000E-01
	55	.64601030E-02	.10771670E-01	-.3371640E-02	-.2503410E-01	-.15904940E-02	-.04113150E-02
	56	.0370980E-01	.12041020E-00	.12631610E-00	.0782780E-01	.13861540E-00	.2307590E-01
	57	-.76107140E-01	.04024740E-01	-.7677070E-01	.04217490E-01	-.04949590E-01	.17862420E-00
	58	-.15707140E-01	.01044220E-00	.22141640E-00	.13350140E-00	-.13319420E-00	.23494260E-01
	59	.3452140E-00	-.1101340E-01	.11597400E-00	.21337080E-00	.13397230E-00	.11790480E-00
V	60	.1813310E-00	.09761920E-01	-.24667010E-02	.15729210E-01	-.05181380E-00	.78081730E-02
	61	-.1491840E-00	-.21107940E-00	-.27923170E-00	-.23126410E-00	.12507160E-00	.40731310E-00
	62	.2159740E-01	-.1774210E-00	-.3303510E-00	-.11025760E-00	.15737170E-00	.11917840E-00
VI	63	.04679110E-00	.21174870E-01	.34267830E-00	-.06714110E-01	-.11254790E-00	.10134920E-00
	64	.2159740E-01	-.1774210E-00	-.3303510E-00	-.11025760E-00	.15737170E-00	.11917840E-00
VII	65	.10725430E-01	.01669110E-01	-.10146030E-01	.12207812E-01	.04962642E-01	.15064620E-00
	66	.03340310E-01	-.13939740E-01	-.2407370E-01	-.04739190E-02	-.11731430E-00	.10270270E-00
VIII	67	.17168820E-02	.1304610E-01	-.07018020E-02	.12891840E-01	-.1889642E-02	.20940320E-02
	68	.1019910E-01	.10457940E-01	.06491120E-01	-.0470760E-01	-.2147040E-02	.20339120E-01
IX	69	.07197620E-02	-.2202940E-01	-.11010760E-02	.11787420E-01	.04837932E-01	.1404690E-02
	70	.2354740E-01	.70166610E-01	.0493210E-01	-.24069470E-01	.14622930E-01	.0006704E-01

Table B.17 Coefficients to Represent the Global Variation of the Median Value of foF2 for May 1979

HARMONIC		0	1	2	3	4	5	6
I	K	0	1	2	3	4	5	6
		0	1	2	3	4	5	6
I	0	1.0544440E+02	1.9180100E+00	1.9180100E+00	1.2844420E-01	1.7124730E-01	-1.1464310E-02	7.0741330E-02
	1	-1.2124100E+01	3.2907700E+00	7.7797040E+00	-1.2318800E+00	1.2494770E+01	3.3735020E-09	4.1190910E-01
	2	3.2401700E+02	-2.8743300E+01	-3.9316720E+00	1.8812820E+01	-6.2154120E+00	-1.0242100E-09	-1.4094730E+00
	3	1.3100000E+02	1.3738230E+01	1.1121750E+02	3.3291450E+01	-1.5127100E+02	-3.2671340E+01	-1.5626380E+01
	4	-1.7761740E+01	1.7907550E+02	-2.1561600E+02	-1.0344900E+02	2.0538050E+01	1.3333110E+01	2.7032600E+01
	5	-1.7400380E+02	-1.0241440E+02	-6.003900E+02	-2.5140340E+02	6.7428900E+02	2.1170300E+02	-1.0407320E+02
	6	3.9318200E+01	-9.1043300E+02	9.9713900E+02	2.1043020E+02	-8.6279770E+01	-7.5184990E+01	-4.9032010E+01
	7	-1.0425340E+02	1.3782170E+03	8.7727900E+02	4.2274940E+02	-1.4401340E+03	-5.1634710E+02	-2.4693790E+02
	8	3.3000310E+02	1.1123370E+03	-1.3772540E+03	-1.0014920E+02	1.1024900E+02	1.1059400E+02	1.2089420E+02
	9	4.1091390E+02	1.66807400E+03	-3.8603710E+02	-2.8104520E+02	1.3580020E+03	7.7407243E+02	2.4442180E+02
	10	1.2674900E+02	-4.9388120E+02	6.0339120E+02	3.5797510E+01	-3.6542940E+01	-3.2906520E+01	-2.1472740E+01
	11	-2.4447840E+02	6.6292930E+02	-7.2327900E+00	3.6659400E+01	-4.8538920E+02	-1.6489110E+02	-1.1184550E+02
II	12	-4.8932030E+00	1.9429550E+01	1.8947690E+01	-1.6940950E+00	9.9200400E-01	-4.1583770E-01	7.0493620E-01
	13	1.31442770E+02	-1.6828450E+01	1.3331200E+01	1.44371670E+00	5.5104940E-02	-2.0337510E-01	1.8139790E-01
	14	-1.0006400E+01	-1.8937530E+01	-4.9368760E+00	2.8070090E+00	1.0020130E+01	4.0016080E-00	2.1117440E+00
	15	1.7918000E+01	3.0481970E+01	-1.4004100E+01	-3.5371440E+00	2.1902000E+00	-7.7018350E-01	-4.8278310E+00
	16	1.0487060E+01	1.2225620E+02	-1.1121350E+02	4.7143440E+01	-3.3104250E+01	1.6310840E+01	1.4177640E+00
	17	-1.8039170E+01	1.8406140E+02	7.7224640E+02	-1.4797940E+01	4.2300990E-01	-9.9393820E+00	-2.1130730E+01
	18	-1.0121210E+02	1.1478800E+02	-1.3541570E+01	-1.1413060E+02	-2.2432180E+02	-4.4400180E+01	-8.633910E+01
	19	3.29401340E+01	-2.0932300E+02	1.6410510E+02	1.4412900E+02	-1.7842360E+02	-2.2903100E+01	3.2491310E+01
	20	1.0006400E+02	-1.21974370E+02	6.6240850E+02	-3.5416740E+02	3.0875100E+01	-4.6232930E+01	-4.9216400E+01
	21	4.1377000E+02	-1.1713880E+03	8.9507000E+02	-1.6431350E+01	8.7492100E+01	4.7268310E+01	1.7488400E+02
	22	-1.0405180E+03	-4.6454720E+02	1.7452100E+02	-7.9422320E+02	1.2315630E+03	2.8444410E+02	3.5104400E+02
III	23	-1.7212300E+03	6.9144570E+02	-1.1333710E+03	-6.1640180E+02	1.11067200E+02	-2.0050320E+02	-2.2304110E+02
	24	-4.00063340E+02	-1.11284000E+03	-2.5761130E+03	-1.1248060E+02	-1.4228350E+03	1.8884823E+02	2.8758410E+02
	25	1.7499400E+02	5.1327860E+03	-6.1232920E+03	2.4236090E+02	-6.3312070E+02	-1.3536138E+02	-3.2769460E+02
	26	3.1403350E+03	1.3406850E+03	-2.5339310E+02	-2.5403380E+02	-2.7014490E+03	-4.6232930E+02	-1.3123400E+03
	27	3.6484700E+03	-1.9472060E+03	4.0767370E+03	-1.0718230E+03	-2.1082020E+03	5.643530E+02	3.9153180E+02
	28	5.7091190E+02	2.2497730E+03	3.4494270E+03	-1.4477200E+03	-1.3313950E+03	-2.0390600E+02	-4.3407120E+02
	29	2.3742000E+03	-4.7024720E+03	1.0249430E+04	-4.6337590E+02	6.3010460E+02	4.0431120E+01	6.6327020E+02
	30	-3.7012540E+03	-1.8401630E+03	-4.2466900E+02	2.6102920E+03	2.8413110E+03	6.0970500E+02	1.4444210E+03
	31	3.3584620E+03	2.7718080E+03	-6.1379580E+03	-1.8674690E+03	2.3701740E+03	-7.0332160E+02	-7.0544760E+02
	32	7.1525350E+01	-1.1164510E+03	-1.7472300E+03	4.9431020E+02	8.7707310E+02	7.0435380E+02	1.2019340E+02
	33	3.2202810E+03	3.1906970E+03	-3.8479190E+03	-2.6829160E+02	-2.8221300E+02	-3.3108350E+02	-2.8940170E+02
	34	2.1846300E+03	1.9711800E+02	6.2491110E+02	-2.1448130E+02	-9.8503770E+02	-3.3287890E+02	-5.8232370E+02
IV	35	1.2674900E+03	-1.1945190E+03	3.144310E+03	-3.6271830E+02	8.0271880E+02	2.843540E+02	3.1213100E+02
	36	4.9327700E+02	-5.9193780E+03	-4.3270500E+03	-8.1051420E+00	6.8444780E-00	-3.1523630E-02	-1.4418480E-01
	37	2.6611200E+00	-3.7003360E+00	-2.6457310E+00	-7.6404030E+00	-8.0261470E+00	4.0247740E-01	-2.4474730E-01
	38	1.9777400E+01	1.4200240E+01	-1.3179880E+00	2.8496720E+01	2.3321640E+00	3.4444300E+00	1.3011010E+00
	39	-1.6793780E+00	1.4942670E+01	1.0441170E+01	3.9538180E+00	2.5898010E+01	3.3374040E+00	6.1313350E+00
	40	-6.7618780E+01	1.8357930E+01	1.0417670E+01	-3.3413310E+01	6.4715940E+01	-8.2141410E+00	1.0472840E+00
	41	-1.6482080E+00	-1.1121400E+01	3.9731090E+00	-8.0639300E+01	-1.8145210E+01	-2.0533740E+02	-9.8926400E+00
	42	-1.7286330E+02	-3.7402370E+01	2.7943260E+01	-3.6349030E+01	-2.3640210E+01	-3.6402120E+01	-4.1502000E+01
	43	2.2339780E+01	-1.4445930E+02	-1.4746360E+02	-3.0365980E+01	-4.4440110E+01	-1.3782110E+01	-5.9619120E+01
	44	4.9144180E+02	-1.3186490E+02	-4.8604220E+02	2.3702130E+02	-2.8745110E+02	4.0728830E+01	6.0932070E+01
	45	-1.0622400E+02	2.2167400E+02	-7.7020160E+01	4.9524800E+02	3.0912200E+02	-6.311320E+02	7.6445230E+01
	46	1.0648480E+02	1.7021340E+01	-1.6088200E+01	2.0181340E+01	1.4464130E+02	4.8802300E+01	1.3761040E+02
V	47	3.2733040E+01	-4.9122700E+02	4.0493900E+02	3.0707000E+01	7.1444910E+01	-2.2616010E+01	3.375470E+02
	48	-4.7328950E+02	-3.1160800E+02	2.3218120E+03	-4.1403030E+02	3.9404940E+02	1.6233800E+02	-1.1981960E+02
	49	1.5777340E+02	-3.9431440E+02	2.9671430E+02	-8.477240E+02	-6.822470E+02	7.0464120E+01	-1.064150E+02
	50	-1.4463360E+02	8.7729140E+01	-3.9729140E+01	-4.0007040E+01	-2.0074290E+02	-4.0506900E+01	-1.0494290E+02
	51	-3.2295780E+01	-3.5607470E+02	-3.3371610E+02	7.0637610E+01	-1.4333440E+01	1.6206180E+01	-1.1130770E+02
	52	2.4804910E+01	-2.7237370E+02	-6.3478380E+02	2.5942000E+02	-6.8459280E+01	1.2906420E+02	1.3916630E+02
	53	-2.7049350E+02	3.7469910E+02	-2.2401600E+02	4.0276870E+02	3.068350E+02	-2.8263300E+00	1.4931950E+02
	54	-7.0696000E+00	4.1184910E-01	1.2791820E+00	9.5772130E-01	-7.2432610E-01	-4.0230430E+03	-4.0267290E+03
	55	3.9073900E-01	-1.1023710E+00	-1.0004800E+00	4.4940230E-01	4.1648910E-01	8.4233000E+00	-3.1375120E+00
	56	2.0631670E+00	3.7182620E+00	7.0677180E+00	-3.2161380E+00	-3.4467310E+00	1.2669102E+00	4.6379701E+00
	57	4.9291030E+00	1.0521910E+01	-1.5523400E+00	1.3251760E+00	-2.9404400E+00	-3.9810260E+00	3.9818210E+00
	58	1.0303100E+01	2.540730E+01	-2.0764600E+01	-2.9194080E+00	3.9493120E+00	1.1727680E+01	2.1746400E+00
VI	59	3.3218740E+00	2.7740630E+01	1.0494600E+01	-3.731980E+00	-1.831390E+00	1.0269402E+00	4.1463124E+00
	60	-1.2472710E+01	-3.3343040E+00	-1.4488220E+01	1.1294640E+01	3.4041320E+00	4.8269624E+00	-2.9764600E+00
	61	-2.4446410E+01	3.5982740E+01	1.961310E+01	8.1748280E+00	1.274140E+01	3.943110E+00	3.7030618E+00
	62	-1.9214700E+01	1.0461830E+00	2.5782130E+01	4.412640E+00	1.1227870E+01	-2.3784530E+01	4.1162380E+00
	63	3.9147900E+00	-1.0160640E-01	-1.1071100E+01	-1.1607710E+01	-6.7031790E+00	-1.6971170E+01	-1.1491100E+01
	64	-1.8721900E-01	2.0736740E-01	-7.7916810E-01	-6.193440E-01	-2.2794392E-01	-4.1935172E-01	-7.794740E-01
	65	-1.1349370E+00	1.1414070E+00	1.4449070E+00	7.3482740E-01	-8.0072310E-01	4.7131120E-01	-7.7131120E-01
	66	-2.2248100E+00	1.4008100E+00	6.9342140E-01	1.4449070E-01	7.2437170E-02	2.2331920E-01	1.3404300E+00
	67	1.1149190E+00	-6.7461060E-01	9.3446100E-01	-3.9630210E-01	2.793130E-02	-1.9151670E-02	-4.643162E-02
	68	-1.0411770E-01	-6.1470100E-01	4.4091640E-01	-3.9024020E-01	-2.02731210E-01	7.3127624E-01	3.3919360E-01
	69	-3.7404940E-01	7.1239170E-01	9.7441160E-01	6.1940070E-01	1.7340110E-01	-2.0718100E-01	1.4120090E-01
VII	70	-3.4120100E-01	3.3975900E-01	8.284700E-01	2.2030360E-01	4.784410E-01	-1.1394972E-01	-4.442310E-02
	71	1.3404000E-01	-3.1207000E-01	4.434600E-01	-2.989100E-01	3.149170E-01	1.1102260E-01	-1.4491320E-01
	72	-3.4120100E-01	3.3975900E-01	8.284700E-01	2.2030360E-01	4.784410E-01	-1.1394972E-01	-4.442310E-02
	73	1.3404000E-01	-3.1207000E-01	4.434600E-01	-2.989100E-01	3.149170E-01	1.1102260E-01	-1.4491320E-01
	74	-3.4120100E-01	3.3975900E-01	8.284700E-01	2.2030360E-01	4.784410E-01	-1.1394972E-01	-4.442310E-02
	75	1.3404000E-01	-3.1207000E-01	4.434600E-01	-2.989100E-01	3.149170E-01	1.1102260E-01	-1.4491320E-01
	76	-3.4120100E-01	3.3975900E-01	8.284700E-01	2.2030360E-01	4.784410E-01	-1.1394972E-01	-4.442310E-02
	77	1.3404000E-01	-3.1207000E-01	4.434600E-01	-2.989100E-01	3.149170E-01	1.1102260E-01	-1.4491320E-01
	78	-3.4120100E-01	3.3975900E-01	8.284700E-01	2.2030360E-01	4.784410E-01	-1.1394972E-01	-4.442310E-02
	79	1.3404000E-01	-3.1207000E-01	4.434600E-01	-2.989100E-01	3.149170E-01	1.1102260E-01	-1.4491320E-01
	80	-3.4120100E-01	3.3975900E-01	8.284700E-01	2.2030360E-01	4.784410E-01	-1.1394972E-01	-4.442310E-02
	81	1.3404000E-01	-3.1207000E-01	4.434600E-01	-2.989100E-01	3.149170E-01	1.1102260E-01	-1.4491320E-01

Table B.17 Coefficients to Represent the Global Variation of the Median Value of foF2 for May 1979 (Continued)

HARMONIC		4	5	6			
	S	7	8	9	10	11	12
I	K						
	0	.10130100E-01	.05190750E-02	-.25155010E-01	-.27600950E-03	-.17540710E-01	-.70020220E-03
	1	-.10301710E-00	.02401640E-03	.11207900E+00	.12458010E+00	.71214410E-01	.16246770E-02
	2	-.10507270E-01	-.11714900E+00	.10519010E+01	.12196130E+00	.52146490E-01	-.08000400E-01
	3	-.12503740E-01	.15014910E+01	-.32107610E-01	-.31148400E+01	-.07547700E+00	-.05977350E-01
	4	-.01594410E-01	-.25510170E+00	-.04297820E-01	-.10822730E-01	.59456370E+00	.16327110E-01
	5	-.17146590E-02	-.12540160E-02	.10450370E-02	.10370200E-02	.17232100E-01	.71600210E+00
	6	-.29232790E-02	.33760320E+01	.13496470E-02	.00199900E-01	-.23297030E-01	-.03639700E-01
	7	.04010160E-02	.33251290E-02	-.03418210E-01	-.03145410E-02	-.23196240E-01	-.35060760E-01
	8	.17132010E-02	-.02179400E-01	.12961920E-02	-.77082500E-01	.50200730E-01	.31527850E-01
	9	-.19727320E-02	-.30107490E-02	.05328760E-02	.04247620E-02	.39959400E+00	-.57720000E-01
	10	-.16027760E-02	.33726820E+01	.03774670E+01	.37101900E+01	-.29056130E-01	-.19769600E-01
11	.24674400E-03	.12609330E-02	-.17393400E-02	-.19434920E-02	.00102700E+00	-.24801300E-01	
II	12	.20802200E-01	-.10159500E-03	-.20825210E-01	.04121300E-01	-.19795920E-02	-.24800200E-01
	13	-.04196110E-01	.31679400E-01	.27069600E-01	.25215670E-01	.21047770E-01	.12049600E-01
	14	-.16133040E+00	-.32405740E+00	-.34733740E-01	-.25215540E+00	.15714670E-01	.22088200E+00
	15	-.09393010E+00	.04922610E-02	.04939040E-01	-.10049070E+00	-.12109490E+00	.04032230E-01
	16	-.23061790E+00	.79501320E+00	.38065310E+00	.17961250E-01	-.12725030E+00	.10025900E-01
	17	-.31107670E-01	.02422370E-01	-.12349260E-01	-.77109400E+00	-.04031770E+00	-.21072240E+00
	18	.10061100E-01	.37179330E+01	.01021840E-00	.31051000E-01	.19351400E+00	-.10355940E-01
	19	.10412000E-02	-.07750600E+00	-.17378500E-01	.70616500E-01	.20896400E-01	.27539330E+00
	20	.10065750E-01	-.11440330E-02	-.24707800E-01	-.24612130E-01	.15402050E-01	-.03060800E-01
	21	.27910300E-02	.06226200E-01	.11473750E-02	.59011600E-01	.04005400E-01	.14274300E-01
	22	-.20357730E-02	.23102010E-02	.39382160E-01	-.17053940E-02	-.52630900E-01	.22401000E-02
	23	.00400570E-02	.00020190E-01	.14938940E-02	-.00948000E-02	-.19436970E-02	-.75070100E-02
III	24	-.10791160E-01	.00245030E-02	.02539450E-01	.35061720E-01	-.39617710E-01	.20054000E-01
	25	-.07621500E-02	.10719000E-02	-.00731000E-02	.13374430E-02	-.19140750E-02	-.13104300E-02
	26	.17592650E-02	.32775230E-02	.10651200E-02	.10201030E-02	.11146300E-02	.00305120E-02
	27	.22313650E-01	.07110900E-02	.04721820E-02	.02149600E-02	.30276900E-02	.50563700E-02
	28	.93316750E-01	.77500000E-02	.10407270E-02	-.02141030E-00	.14073700E-01	.32509100E-02
	29	.11059500E-01	.32232100E-02	.05822210E-02	.15503080E-02	.22310420E-02	.22084300E-02
	30	.52432700E-02	.70310100E-01	.13220300E-02	-.10013300E-02	-.10619700E-02	.05060320E-02
	31	-.25100300E-03	.08027490E-02	.04039400E-02	-.05000200E-02	-.01377600E-02	-.31003100E-02
	32	.74611820E-01	.08007800E-02	.10231610E-02	.10031540E-01	.17516700E-01	.12240710E-02
	33	-.04327650E-02	.30553400E-02	-.20402400E-02	-.51042400E-01	-.01149310E-01	-.10034300E-02
	34	.16076470E-02	-.75064700E-01	.52065740E-01	.14420000E-02	.15613200E-01	-.26340150E-02
	35	.10507170E-03	-.24161400E-02	-.23494740E-02	.34730700E-02	.17647700E-02	.10401600E-02
IV	36	.19916820E-01	.23471000E-01	.29377600E-01	.05220720E-01	-.30032010E-01	.12033210E-01
	37	-.14402430E-01	-.07111900E-01	-.00316910E-01	-.27199100E-01	-.12049200E-01	-.30219310E-01
	38	.17027010E-00	-.15111640E-01	.13060710E+00	.04036100E-01	-.10445400E-01	-.03720000E-01
	39	-.00001410E-01	.01103210E+00	.10103270E-01	.21163080E-01	-.00731100E-01	.15190210E-00
	40	.15927600E+00	.14160000E+00	.17300500E-01	-.03761300E-00	.14706300E+00	.20003000E-01
	41	.14410170E-01	.00117010E-00	.01101010E-01	-.21490000E+00	.23910470E+00	.23910470E+00
	42	-.18973900E-01	.24102070E-01	.15103300E-01	.23402000E+00	.11293900E+00	.10930700E-01
	43	.21400430E-01	.12600700E-01	.10704400E-00	-.03303900E-00	-.10701440E+00	-.14307700E-01
	44	.20090100E-01	.31449400E-01	.00705320E-01	.02263300E-01	-.27314470E+00	.17594000E+00
	45	-.13063010E-02	.20076700E-01	.70765000E-01	.37374110E-01	-.23737900E-01	.07970420E-01
	46	.00207400E-01	.04070000E-01	.26735100E-01	.10709400E-00	.16123700E-00	.20000020E-01
	47	-.21106100E-01	.15113700E-02	.00743100E-00	.13305900E-01	.04304370E-00	-.03042700E-01
V	48	.07740420E-01	.04309400E-01	.11723000E-02	-.07267000E-01	-.24079400E+00	.33295400E-01
	49	.10776000E-02	.00071770E-01	.10704210E-02	.71037310E-01	.04704510E-01	.04303710E-01
	50	-.03071010E-01	.71012000E-01	.12032300E-01	.12627000E-01	-.01106200E-00	.20071350E-01
	51	.04076770E-01	.20061600E-01	.00077800E-00	-.00746000E-00	-.00301270E-00	.34076200E-01
	52	-.11000000E-01	.71741000E-01	.01271010E-01	.27023000E-01	.11040500E-00	.34076200E-01
	53	-.24026700E-02	.01071000E-01	-.07041000E-01	.10771000E-01	-.20493700E-01	.04040470E-01
	54	-.00095300E-01	-.02596400E-01	-.35002000E-02	-.10773000E-01	-.20115000E-01	.20700010E-02
	55	.10109710E-01	-.07010000E-01	.14401150E-01	-.10664100E-01	.03112500E-02	.12960100E-01
	56	.10057700E-00	.31007100E-01	.16074200E-00	.10013700E-00	.20002930E-01	.22203000E-01
	57	.00013500E-01	.10106100E-00	.20017700E-01	.03000000E-00	.30000100E-01	.10301000E-00
	58	-.00716320E-00	.12627000E-00	.00701070E-01	.10000000E-00	.13000000E-00	.00100000E-01
	59	.10300000E-00	.10300000E-01	.10300000E-00	.10300000E-00	.10300000E-00	.10300000E-00
VI	60	.04373000E-00	.10377000E-00	.21040000E-00	.19020000E-00	.04000000E-01	.10300000E-00
	61	.21370200E-00	.10000000E-00	.00017100E-01	.00033300E-00	.13000000E-00	.10300000E-00
	62	.10000000E-01	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00
	63	.10000000E-01	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00
	64	.10000000E-01	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00
	65	.11370000E-00	.21077200E-01	.10011000E-00	.10022130E-00	.20107000E-02	.11000000E-01
	66	.10000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00
	67	.10000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00
	68	.10000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00
	69	.10000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00
	70	.10000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00
	71	.10000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00
VII	72	.10000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00
	73	.10000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00
	74	.10000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00
	75	.10000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00
	76	.10000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00
	77	.10000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00
	78	.10000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00
	79	.10000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00
	80	.10000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00
	81	.10000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00
	82	.10000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00
	83	.10000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00
VIII	84	.10000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00
	85	.10000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00
	86	.10000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00
	87	.10000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00
	88	.10000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00
	89	.10000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00
	90	.10000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00
	91	.10000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00
	92	.10000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00
	93	.10000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00
	94	.10000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00
	95	.10000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00
IX	96	.10000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00
	97	.10000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00
	98	.10000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00
	99	.10000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00
	100	.10000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00
	101	.10000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00
	102	.10000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00
	103	.10000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00
	104	.10000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00
	105	.10000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00	.00000000E-00
	106	.10000000E-00	.00000000E-00	.00000000E-00	.0000		

Table B.18 Coefficients to Represent the Global Variation of the Median Value of foF2 for June 1979

HARMONIC		0	1	2	3	4	5	6
	$\frac{S}{K}$	0	1	2	3	4	5	6
I	0	0.9309860E+01	-0.1553910E+00	0.2309420E+00	-0.1997171E-02	0.5781830E-02	-0.42670260E-01	-0.19502900E-01
	1	-0.2439480E+01	0.3015110E+00	-0.79619630E+00	-0.62996470E+00	0.1276830E+00	0.39952770E+02	0.11488000E+03
	2	0.2949790E+02	-0.5074990E+01	0.1214880E+01	0.14202930E+01	-0.13091950E+01	0.20729770E+00	0.12939370E+01
	3	0.12941120E+02	-0.12471470E+02	0.13711010E+02	-0.8817720E+01	-0.13954350E+01	0.18391390E+03	-0.73907770E+01
	4	-0.1094510E+03	-0.32391020E+02	-0.24427470E+02	-0.10440830E+02	0.10592780E+01	-0.22240940E+01	-0.44219450E+01
	5	0.13770210E+02	0.72294570E+02	-0.13032860E+03	-0.22839020E+02	-0.17779110E+02	-0.16963270E+01	0.1414410E+02
	6	0.19927840E+03	0.8074850E+02	0.1012864E+03	0.2885710E+02	-0.44353020E+01	0.6144150E+01	0.20000000E+02
	7	-0.1867940E+03	-0.1037450E+03	0.27659910E+03	0.25238410E+02	-0.13768320E+02	0.13924770E+02	-0.10089300E+03
	8	-0.14915950E+03	-0.49379420E+02	-0.12925110E+03	-0.32915780E+02	0.11467040E+01	-0.10924880E+02	-0.00214000E+02
	9	0.21993050E+03	0.20412770E+03	0.23932250E+03	-0.1389230E+01	-0.6227290E+01	-0.1232920E+02	0.10111200E+03
	10	0.7212940E+02	0.34670250E+02	0.35071770E+02	-0.13782820E+02	-0.22515420E+01	0.48807520E+01	0.1380910E+02
	11	-0.11491140E+03	-0.8911150E+02	0.84411930E+02	-0.70927090E+01	0.7914940E+00	0.81186310E+01	-0.19350710E+02
II	12	-0.7714700E+00	-0.17447750E+01	0.21097840E+01	-0.14781220E+01	-0.15895050E+00	0.18870410E+02	-0.8821490E+01
	13	0.2444720E+00	-0.1815400E+01	0.1249110E+01	-0.12569780E+00	-0.11774610E+00	0.15488870E+02	0.58807910E+01
	14	-0.27189700E+01	0.48497260E+00	-0.77208420E+01	-0.4211480E+00	0.7003240E+00	0.35415790E+00	0.1518240E+00
	15	-0.27201470E+01	0.29768270E+01	-0.24017210E+01	-0.14759750E+00	0.93309810E+00	0.47915040E+03	0.8771524E+00
	16	0.19186250E+01	0.81196670E+01	-0.10917900E+02	0.28737330E+01	0.6180840E+00	-0.11971893E+01	0.14947300E+01
	17	0.1695114E+02	0.10740070E+02	0.8616470E+01	0.24457750E+01	0.1227280E+01	0.16963110E+00	0.61900000E+00
	18	0.1793920E+02	-0.1617640E+02	0.1838830E+01	-0.1729310E+01	-0.12031240E+01	-0.11721700E+01	-0.1068010E+02
	19	0.16642040E+02	-0.20489140E+02	-0.1094000E+02	0.2122980E+01	-0.14400810E+02	-0.2023940E+01	-0.3120840E+01
	20	0.5794910E+02	0.9814150E+01	0.61910630E+02	-0.2949779E+02	0.1277030E+02	0.60306730E+01	-0.1391990E+02
	21	-0.29477070E+02	-0.13798800E+01	0.17702270E+02	-0.24318540E+02	-0.15446190E+02	-0.67135960E+01	-0.4976844E+01
	22	-0.23406110E+03	0.23406110E+02	-0.7234810E+02	0.11347770E+02	0.3400370E+02	-0.3433230E+01	0.7043910E+02
	23	-0.23406110E+03	0.23406110E+02	-0.7234810E+02	0.11347770E+02	0.3400370E+02	-0.3433230E+01	0.7043910E+02
	24	-0.23406110E+03	0.23406110E+02	-0.7234810E+02	0.11347770E+02	0.3400370E+02	-0.3433230E+01	0.7043910E+02
	25	-0.23406110E+03	0.23406110E+02	-0.7234810E+02	0.11347770E+02	0.3400370E+02	-0.3433230E+01	0.7043910E+02
	26	-0.23406110E+03	0.23406110E+02	-0.7234810E+02	0.11347770E+02	0.3400370E+02	-0.3433230E+01	0.7043910E+02
	27	-0.23406110E+03	0.23406110E+02	-0.7234810E+02	0.11347770E+02	0.3400370E+02	-0.3433230E+01	0.7043910E+02
	28	-0.23406110E+03	0.23406110E+02	-0.7234810E+02	0.11347770E+02	0.3400370E+02	-0.3433230E+01	0.7043910E+02
	29	-0.23406110E+03	0.23406110E+02	-0.7234810E+02	0.11347770E+02	0.3400370E+02	-0.3433230E+01	0.7043910E+02
	30	-0.23406110E+03	0.23406110E+02	-0.7234810E+02	0.11347770E+02	0.3400370E+02	-0.3433230E+01	0.7043910E+02
	31	-0.23406110E+03	0.23406110E+02	-0.7234810E+02	0.11347770E+02	0.3400370E+02	-0.3433230E+01	0.7043910E+02
	32	-0.23406110E+03	0.23406110E+02	-0.7234810E+02	0.11347770E+02	0.3400370E+02	-0.3433230E+01	0.7043910E+02
	33	-0.23406110E+03	0.23406110E+02	-0.7234810E+02	0.11347770E+02	0.3400370E+02	-0.3433230E+01	0.7043910E+02
	34	-0.23406110E+03	0.23406110E+02	-0.7234810E+02	0.11347770E+02	0.3400370E+02	-0.3433230E+01	0.7043910E+02
	III	35	-0.23406110E+03	0.23406110E+02	-0.7234810E+02	0.11347770E+02	0.3400370E+02	-0.3433230E+01
36		-0.23406110E+03	0.23406110E+02	-0.7234810E+02	0.11347770E+02	0.3400370E+02	-0.3433230E+01	0.7043910E+02
37		-0.23406110E+03	0.23406110E+02	-0.7234810E+02	0.11347770E+02	0.3400370E+02	-0.3433230E+01	0.7043910E+02
38		-0.23406110E+03	0.23406110E+02	-0.7234810E+02	0.11347770E+02	0.3400370E+02	-0.3433230E+01	0.7043910E+02
39		-0.23406110E+03	0.23406110E+02	-0.7234810E+02	0.11347770E+02	0.3400370E+02	-0.3433230E+01	0.7043910E+02
40		-0.23406110E+03	0.23406110E+02	-0.7234810E+02	0.11347770E+02	0.3400370E+02	-0.3433230E+01	0.7043910E+02
41		-0.23406110E+03	0.23406110E+02	-0.7234810E+02	0.11347770E+02	0.3400370E+02	-0.3433230E+01	0.7043910E+02
42		-0.23406110E+03	0.23406110E+02	-0.7234810E+02	0.11347770E+02	0.3400370E+02	-0.3433230E+01	0.7043910E+02
43		-0.23406110E+03	0.23406110E+02	-0.7234810E+02	0.11347770E+02	0.3400370E+02	-0.3433230E+01	0.7043910E+02
44		-0.23406110E+03	0.23406110E+02	-0.7234810E+02	0.11347770E+02	0.3400370E+02	-0.3433230E+01	0.7043910E+02
45		-0.23406110E+03	0.23406110E+02	-0.7234810E+02	0.11347770E+02	0.3400370E+02	-0.3433230E+01	0.7043910E+02
46		-0.23406110E+03	0.23406110E+02	-0.7234810E+02	0.11347770E+02	0.3400370E+02	-0.3433230E+01	0.7043910E+02
47	-0.23406110E+03	0.23406110E+02	-0.7234810E+02	0.11347770E+02	0.3400370E+02	-0.3433230E+01	0.7043910E+02	
IV	48	-0.23406110E+03	0.23406110E+02	-0.7234810E+02	0.11347770E+02	0.3400370E+02	-0.3433230E+01	0.7043910E+02
	49	-0.23406110E+03	0.23406110E+02	-0.7234810E+02	0.11347770E+02	0.3400370E+02	-0.3433230E+01	0.7043910E+02
	50	-0.23406110E+03	0.23406110E+02	-0.7234810E+02	0.11347770E+02	0.3400370E+02	-0.3433230E+01	0.7043910E+02
	51	-0.23406110E+03	0.23406110E+02	-0.7234810E+02	0.11347770E+02	0.3400370E+02	-0.3433230E+01	0.7043910E+02
	52	-0.23406110E+03	0.23406110E+02	-0.7234810E+02	0.11347770E+02	0.3400370E+02	-0.3433230E+01	0.7043910E+02
	53	-0.23406110E+03	0.23406110E+02	-0.7234810E+02	0.11347770E+02	0.3400370E+02	-0.3433230E+01	0.7043910E+02
	54	-0.23406110E+03	0.23406110E+02	-0.7234810E+02	0.11347770E+02	0.3400370E+02	-0.3433230E+01	0.7043910E+02
	55	-0.23406110E+03	0.23406110E+02	-0.7234810E+02	0.11347770E+02	0.3400370E+02	-0.3433230E+01	0.7043910E+02
	56	-0.23406110E+03	0.23406110E+02	-0.7234810E+02	0.11347770E+02	0.3400370E+02	-0.3433230E+01	0.7043910E+02
	57	-0.23406110E+03	0.23406110E+02	-0.7234810E+02	0.11347770E+02	0.3400370E+02	-0.3433230E+01	0.7043910E+02
	58	-0.23406110E+03	0.23406110E+02	-0.7234810E+02	0.11347770E+02	0.3400370E+02	-0.3433230E+01	0.7043910E+02
	59	-0.23406110E+03	0.23406110E+02	-0.7234810E+02	0.11347770E+02	0.3400370E+02	-0.3433230E+01	0.7043910E+02
60	-0.23406110E+03	0.23406110E+02	-0.7234810E+02	0.11347770E+02	0.3400370E+02	-0.3433230E+01	0.7043910E+02	
V	61	-0.23406110E+03	0.23406110E+02	-0.7234810E+02	0.11347770E+02	0.3400370E+02	-0.3433230E+01	0.7043910E+02
	62	-0.23406110E+03	0.23406110E+02	-0.7234810E+02	0.11347770E+02	0.3400370E+02	-0.3433230E+01	0.7043910E+02
	63	-0.23406110E+03	0.23406110E+02	-0.7234810E+02	0.11347770E+02	0.3400370E+02	-0.3433230E+01	0.7043910E+02
	64	-0.23406110E+03	0.23406110E+02	-0.7234810E+02	0.11347770E+02	0.3400370E+02	-0.3433230E+01	0.7043910E+02
VI	65	-0.23406110E+03	0.23406110E+02	-0.7234810E+02	0.11347770E+02	0.3400370E+02	-0.3433230E+01	0.7043910E+02
	66	-0.23406110E+03	0.23406110E+02	-0.7234810E+02	0.11347770E+02	0.3400370E+02	-0.3433230E+01	0.7043910E+02
	67	-0.23406110E+03	0.23406110E+02	-0.7234810E+02	0.11347770E+02	0.3400370E+02	-0.3433230E+01	0.7043910E+02
	68	-0.23406110E+03	0.23406110E+02	-0.7234810E+02	0.11347770E+02	0.3400370E+02	-0.3433230E+01	0.7043910E+02
VII	69	-0.23406110E+03	0.23406110E+02	-0.7234810E+02	0.11347770E+02	0.3400370E+02	-0.3433230E+01	0.7043910E+02
	70	-0.23406110E+03	0.23406110E+02	-0.7234810E+02	0.11347770E+02	0.3400370E+02	-0.3433230E+01	0.7043910E+02
	71	-0.23406110E+03	0.23406110E+02	-0.7234810E+02	0.11347770E+02	0.3400370E+02	-0.3433230E+01	0.7043910E+02
	72	-0.23406110E+03	0.23406110E+02	-0.7234810E+02	0.11347770E+02	0.3400370E+02	-0.3433230E+01	0.7043910E+02
VIII	73	-0.23406110E+03	0.23406110E+02	-0.7234810E+02	0.11347770E+02	0.3400370E+02	-0.3433230E+01	0.7043910E+02
	74	-0.23406110E+03	0.23406110E+02	-0.7234810E+02	0.11347770E+02	0.3400370E+02	-0.3433230E+01	0.7043910E+02
IX	75	-0.23406110E+03	0.23406110E+02	-0.7234810E+02	0.11347770E+02	0.3400370E+02	-0.3433230E+01	0.7043910E+02
	76	-0.23406110E+03	0.23406110E+02	-0.7234810E+02	0.11347770E+02	0.3400370E+02	-0.3433230E+01	0.7043910E+02

Table B.18 Coefficients to Represent the Global Variation of the Median Value of foF2 for June 1979 (Continued)

HARMONIC		4		5		6	
	K/S	7	8	9	10	11	12
I	0	.3882400E+01	.23867210E+01	-.28531990E+01	-.76674950E+02	-.97845210E+02	-.59542830E+02
	1	.10283700E+00	-.21559200E+00	-.15848240E+00	-.12841440E+01	-.21449510E+01	-.23824640E+01
	2	-.27214480E+00	-.23442270E+00	-.8412470E+00	-.13058200E+00	-.44570810E+00	-.61047140E+01
	3	-.19164210E+01	-.46949310E+01	-.24894340E+01	-.14974720E+01	-.17753410E+00	-.43330830E+03
	4	-.30945500E+01	-.61196600E+00	-.37184430E+01	-.29443910E+00	-.35745410E+01	-.72114420E+02
	5	-.71163010E+01	-.74941340E+02	-.12479410E+02	-.11170240E+02	-.21034960E+00	-.16499262E+01
	6	-.00709040E+01	-.14412640E+01	-.14579340E+02	-.60733070E+00	-.10004050E+02	-.13042000E+01
	7	-.10044230E+01	-.59411170E+01	-.24970740E+00	-.24404900E+02	-.29442700E+01	-.13978850E+01
	8	-.11634840E+02	-.47220400E+01	-.15460030E+02	-.15790140E+01	-.11340130E+02	-.24764950E+01
	9	-.94500240E+01	-.37702730E+02	-.24650700E+02	-.32202540E+02	-.17400450E+01	-.33124900E+01
	10	-.44895720E+01	-.24213310E+01	-.60770240E+01	-.9144040E+00	-.45774430E+01	-.12614670E+01
	11	-.09127130E+00	-.14927970E+02	-.11924800E+02	-.12319240E+02	-.70534910E+01	-.12441070E+01
II	12	-.23451300E+01	-.11642140E+01	-.70244980E+02	-.21044930E+01	-.20910400E+01	-.35497520E+02
	13	-.49154800E+01	-.37475420E+02	-.10415040E+01	-.24722010E+01	-.24747450E+01	-.14184440E+02
	14	-.38917700E+00	-.14922400E+00	-.70740130E+01	-.34400350E+01	-.15704900E+00	-.12204940E+00
	15	-.16514400E+01	-.30107460E+00	-.11501640E+00	-.40614720E+00	-.12794460E+00	-.13512780E+02
	16	-.12333010E+01	-.41201240E+00	-.24124870E+00	-.10449130E+01	-.02333340E+00	-.03722100E+02
	17	-.14477340E+01	-.13222310E+01	-.40792140E+00	-.59497970E+01	-.87918200E+00	-.20312580E+02
	18	-.31187340E+01	-.59246450E+01	-.04493500E+00	-.62444330E+02	-.27724810E+01	-.21707070E+01
	19	-.14346020E+01	-.77444070E+01	-.59174020E+00	-.91727000E+01	-.42644200E+01	-.22782260E+01
	20	-.10780920E+02	-.44957480E+01	-.14144140E+01	-.68542300E+01	-.13375980E+01	-.70844940E+01
	21	-.02442800E+01	-.10724400E+02	-.61793480E+01	-.16479780E+01	-.14004400E+01	-.37658000E+01
	22	-.02744100E+01	-.44708770E+02	-.74464700E+01	-.25444400E+01	-.15443740E+02	-.13510400E+02
	23	-.14787700E+01	-.39494010E+01	-.14545100E+01	-.31442100E+02	-.24244180E+02	-.12121400E+02
	24	-.12207440E+02	-.10473470E+01	-.14514430E+01	-.12014900E+02	-.77444010E+01	-.21202240E+02
	25	-.04444000E+01	-.33424450E+02	-.21410440E+02	-.87344400E+01	-.15747720E+02	-.13411170E+02
	26	-.10791470E+01	-.13033100E+01	-.10404840E+02	-.51541920E+01	-.61442100E+02	-.37702240E+02
	27	-.08145460E+02	-.40001140E+02	-.43924910E+02	-.11544410E+03	-.5721210E+02	-.27214430E+02
	28	-.14013400E+02	-.83444400E+01	-.34444400E+01	-.77779400E+01	-.40444400E+01	-.54115520E+02
	29	-.17044020E+01	-.14544070E+02	-.27944400E+02	-.00573300E+01	-.13144120E+02	-.22707140E+02
	30	-.32244040E+01	-.14181070E+03	-.21444400E+02	-.9444400E+01	-.4423440E+02	-.4324440E+02
	31	-.00404000E+02	-.44404400E+02	-.04793110E+02	-.12244400E+03	-.81244710E+02	-.27217400E+02
	32	-.14324400E+02	-.23273160E+01	-.32410200E+01	-.94340070E+01	-.37144200E+01	-.12214420E+02
	33	-.14715140E+01	-.22704400E+02	-.11797010E+02	-.2440440E+02	-.60443240E+01	-.11033070E+02
	34	-.24444330E+01	-.72444000E+02	-.75400730E+01	-.14937400E+01	-.14740130E+02	-.14444340E+02
	35	-.14052400E+02	-.37327440E+02	-.27944340E+02	-.44074710E+02	-.4474400E+02	-.10147440E+02
III	36	-.10234770E+01	-.00304400E+01	-.33237400E+01	-.18121400E+01	-.13714400E+01	-.1040440E+03
	37	-.14013700E+00	-.13444400E+01	-.01803310E+01	-.60244020E+02	-.2424440E+02	-.23774510E+01
	38	-.17910010E+00	-.44444400E+01	-.14597700E+00	-.44341600E+01	-.1344440E+00	-.13447040E+01
	39	-.11271410E+00	-.17979300E+01	-.9144070E+01	-.18341020E+00	-.1314410E+01	-.3327440E+01
	40	-.12181240E+01	-.34744400E+01	-.12742400E+01	-.44341130E+00	-.2274440E+00	-.14052140E+00
	41	-.14373440E+01	-.21192700E+00	-.16123040E+01	-.10441300E+01	-.91341200E+00	-.4424440E+00
	42	-.13244200E+01	-.77234100E+00	-.04023200E+00	-.80410400E+00	-.10710210E+01	-.2144440E+01
	43	-.24444400E+01	-.37174400E+00	-.71070700E+00	-.1344440E+01	-.1344440E+00	-.01123210E+03
	44	-.04444400E+01	-.21044400E+01	-.04744400E+01	-.1724440E+01	-.1724440E+01	-.0444440E+01
	45	-.14444400E+01	-.12234400E+01	-.71344400E+01	-.7134440E+01	-.4434100E+01	-.2444440E+01
	46	-.2234440E+01	-.3474440E+01	-.1373440E+01	-.2423440E+01	-.1214440E+01	-.3324440E+00
	47	-.7134440E+01	-.19163710E+01	-.17017200E+01	-.34417400E+01	-.4444220E+00	-.8710210E+02
IV	48	-.1124440E+02	-.4224440E+01	-.11334100E+02	-.5043440E+00	-.7544440E+01	-.7170440E+01
	49	-.2444440E+02	-.37012740E+02	-.1143440E+02	-.1434440E+02	-.1344440E+02	-.0407440E+01
	50	-.1130440E+01	-.24413400E+01	-.0474440E+01	-.2701340E+01	-.2444440E+01	-.3344440E+01
	51	-.2544440E+01	-.1713440E+01	-.1324440E+01	-.2774440E+01	-.04041740E+00	-.3044140E+00
	52	-.0444440E+01	-.2227440E+01	-.02375710E+01	-.2402340E+01	-.31012740E+01	-.5467440E+01
	53	-.17121200E+02	-.4444440E+01	-.57474070E+01	-.8744440E+01	-.44073340E+01	-.24442210E+01
	54	-.41941400E+01	-.42472700E+01	-.4414440E+01	-.2403440E+01	-.2794440E+01	-.4424440E+02
	55	-.0402440E+01	-.4441720E+01	-.1443740E+01	-.2444440E+01	-.2721440E+01	-.4407440E+01
	56	-.2424440E+01	-.0424440E+01	-.1472440E+01	-.7014440E+02	-.3792440E+02	-.1401440E+01
	57	-.1319440E+00	-.3444220E+00	-.79713110E+01	-.1721440E+01	-.1307440E+01	-.42221120E+01
	58	-.0433040E+00	-.4474020E+00	-.0427440E+00	-.4204440E+00	-.4114070E+01	-.3342440E+01
	59	-.3174020E+00	-.4434440E+00	-.14318740E+00	-.1444440E+00	-.1124440E+00	-.3144440E+01
	60	-.7120440E+00	-.2474020E+00	-.9474020E+00	-.1444440E+00	-.7134440E+01	-.7134440E+01
V	61	-.0444440E+00	-.4444440E+00	-.2124440E+00	-.1444440E+00	-.0444440E+00	-.1334440E+00
	62	-.1474440E+00	-.1441340E+01	-.7134440E+00	-.3474440E+00	-.2444440E+01	-.1104440E+02
	63	-.7244440E+00	-.1441340E+01	-.9444440E+00	-.1221440E+02	-.7244440E+01	-.1104440E+02
	64	-.1444440E+00	-.1441340E+01	-.9444440E+00	-.1221440E+02	-.7244440E+01	-.1104440E+02
VI	65	-.1444440E+00	-.1441340E+01	-.9444440E+00	-.1221440E+02	-.7244440E+01	-.1104440E+02
	66	-.1444440E+00	-.1441340E+01	-.9444440E+00	-.1221440E+02	-.7244440E+01	-.1104440E+02
VII	67	-.1444440E+00	-.1441340E+01	-.9444440E+00	-.1221440E+02	-.7244440E+01	-.1104440E+02
	68	-.1444440E+00	-.1441340E+01	-.9444440E+00	-.1221440E+02	-.7244440E+01	-.1104440E+02
VIII	69	-.1444440E+00	-.1441340E+01	-.9444440E+00	-.1221440E+02	-.7244440E+01	-.1104440E+02
	70	-.1444440E+00	-.1441340E+01	-.9444440E+00	-.1221440E+02	-.7244440E+01	-.1104440E+02
IX	71	-.1444440E+00	-.1441340E+01	-.9444440E+00	-.1221440E+02	-.7244440E+01	-.1104440E+02
	72	-.1444440E+00	-.1441340E+01	-.9444440E+00	-.1221440E+02	-.7244440E+01	-.1104440E+02

Table B.19 Coefficients to Represent the Global Variation of the Median Value of foF2 for July 1978

HARMONIC		0	1	2	3	4	5	6
	S K	0	1	2	3	4	5	6
		0	1	2	3	4	5	6
I	0	.8326310E+01	-.1536390E+00	.34496130E+00	.4512040E+01	-.2328130E+01	-.17792130E+01	.89234670E+01
	1	-.21388150E+01	.21592310E+00	-.3613340E+01	-.10366430E+00	-.23893750E+00	-.22210250E+00	.20718070E+00
	2	.23354200E+01	.51582370E+01	-.20055280E+01	.10739710E+00	-.12726050E+01	-.52093900E+00	-.10216490E+00
	3	.7023540E+02	-.3221090E+01	.1300870E+02	.61793220E+01	-.45412710E+01	.20802720E+01	-.40124290E+01
	4	-.13307650E+01	-.35071320E+02	-.3197740E+02	-.5927870E+01	.15697030E+02	-.19522760E+01	-.18123430E+01
	5	-.72517820E+02	-.20395470E+02	-.78212470E+02	-.3752720E+02	-.18776020E+02	-.12351360E+02	-.6076930E+02
	6	.27413470E+01	.93203600E+02	.11016820E+03	.2152780E+02	-.41881810E+02	.34457350E+01	.75912070E+01
	7	.72173090E+02	.30186150E+02	.16261330E+03	.61874010E+02	.34040120E+02	.2367970E+02	-.9095910E+02
	8	-.27608240E+01	-.10197030E+03	-.1327880E+03	-.27516030E+02	.6159340E+02	-.3363860E+01	-.60174200E+01
	9	-.2527760E+01	-.6712030E+03	-.1641120E+03	-.7618320E+02	-.1591280E+02	-.30497020E+02	-.1023700E+03
	10	.1049970E+03	.36165940E+02	.59150730E+02	.1164270E+02	-.1570380E+02	.1602150E+01	-.2326140E+01
	11	-.21024430E+02	-.6497820E+01	.67044010E+02	.26674410E+02	.35450640E+01	.6663600E+01	-.6076670E+02
II	12	-.42044870E+00	.21830050E+01	.18881860E+01	-.66362140E+01	-.27738490E+00	-.37078260E+01	-.6786990E+01
	13	-.49295100E+00	-.1776931E+01	.1678860E+01	-.2007533E+00	-.1037526E+00	-.2974964E+01	.7703364E+01
	14	.26149450E+02	.53647340E+00	.18642830E+00	.7327270E+00	.17971290E+00	-.58862670E+00	.12335440E+00
	15	-.32187650E+01	.14707740E+01	-.21782310E+01	-.9996460E+00	.24951270E+00	-.4000190E+00	.1561160E+00
	16	-.14273370E+01	.7890140E+01	-.64967120E+01	.4811104E+01	-.2895410E+01	.29663770E+01	.12396230E+01
	17	.70472180E+01	.1266870E+02	.73261110E+02	.40792550E+01	.5766940E+01	.17160230E+01	-.22911170E+01
	18	.13146330E+02	-.13133040E+02	-.2649110E+01	-.1358494E+02	-.94949070E+01	.97617120E+01	-.6111180E+01
	19	-.6663540E+02	-.5009340E+01	.4476170E+02	.1264060E+02	-.1513546E+02	-.7046640E+01	-.30597470E+01
	20	.65120370E+02	.10598740E+02	.6574310E+02	.38432270E+02	.1977920E+02	-.6104030E+02	-.6055160E+02
	21	-.24249210E+02	-.11167330E+03	-.7454280E+02	-.4406570E+02	-.44400770E+02	-.1274280E+02	.11970690E+02
	22	-.10544290E+03	.5902400E+02	.12662750E+02	.7024230E+02	.9139130E+02	-.66367150E+02	.7528750E+02
	23	.13776550E+03	.6278750E+02	-.26337730E+03	-.6183430E+02	.10354350E+03	-.40801050E+02	-.2687488E+02
	24	-.25249140E+03	-.10738970E+03	-.13142220E+03	.11706260E+03	-.11604050E+03	.18210240E+02	-.23889380E+02
	25	-.4423320E+02	-.64453340E+03	-.32067540E+03	.1333650E+03	.11466910E+03	-.5909340E+02	.1788160E+02
	26	.13171640E+03	-.10174380E+03	-.6603280E+03	-.16670440E+03	-.1203520E+03	-.64706110E+02	-.7706170E+02
	27	.02444380E+03	-.16727850E+03	.6781820E+03	.1301240E+03	-.2403180E+03	-.10613390E+03	.1249730E+03
	28	.34642950E+02	.1716830E+03	.1864610E+03	.16761450E+03	.1361190E+03	-.29731670E+02	.2625590E+02
	29	-.3615410E+02	-.62140520E+03	.37200160E+03	-.16107000E+03	-.12435070E+03	-.6800810E+02	.8505290E+02
	30	-.1824531E+03	.61308940E+02	-.1375500E+03	-.19634460E+03	-.1559210E+03	-.70406360E+02	-.1360150E+02
	31	-.6621710E+03	.1882340E+03	-.7894630E+03	.1234310E+03	.7126380E+03	.1254616E+03	.1354705E+03
	32	-.16272250E+03	-.16949940E+03	-.68017930E+03	.67264020E+03	-.64907070E+03	.16026160E+02	.76477690E+01
	33	.12054470E+02	.30331610E+03	-.3066340E+03	.70343070E+02	.53450740E+02	.34271190E+02	-.2660620E+01
	34	.1667850E+02	-.69107930E+01	.6413404E+02	-.76163170E+02	-.71038240E+02	.2164020E+02	.1956618E+02
	35	.36209240E+03	-.16400470E+03	.3676630E+03	.63107820E+02	-.80219630E+02	-.34501340E+02	-.6656220E+02
III	36	.60940330E+00	-.14549270E+00	.2075150E+00	-.0286540E+00	.44535220E+00	-.6552820E+01	-.6442064E+01
	37	.6031680E+00	-.24250740E+00	-.1808670E+00	-.45861370E+00	.69137470E+00	-.3619670E+01	-.3177164E+01
	38	.10207970E+01	.18077180E+01	.3019830E+01	.15763860E+01	-.1113240E+01	.3664360E+00	-.5442748E+00
	39	-.08364770E+01	.1087736E+01	.15324970E+01	.1256189E+01	.20134020E+01	.6907310E+00	.9016160E+00
	40	-.1864620E+01	-.6070110E+01	-.6121740E+01	-.16126140E+01	-.2849136E+01	.1813310E+01	-.6113310E+01
	41	-.5505610E+01	-.1049010E+01	.1374840E+01	-.33400330E+01	-.3453308E+01	-.1865748E+01	-.7637116E+01
	42	-.16249740E+02	-.1447890E+02	-.14606470E+02	.46855170E+01	.2031540E+01	-.2407138E+01	.1855610E+01
	43	.6559240E+01	-.10445330E+02	-.1212706E+02	-.3753760E+01	.1125150E+01	.1169196E+01	-.30041370E+01
	44	.26794650E+02	-.2160764E+02	-.1842660E+02	.2435601E+02	.4987350E+01	-.1651037E+01	-.3094240E+01
	45	.33162330E+02	.0895033E+02	.6279460E+02	.1897461E+02	.3509540E+02	.6360316E+02	.1283960E+02
	46	-.3846070E+02	-.0171190E+02	-.0171190E+02	-.0171190E+02	-.0171190E+02	.3758506E+01	-.6060730E+01
	47	-.1189460E+02	.1227612E+02	.2034272E+02	.4451794E+01	-.2167201E+02	-.0188437E+01	.08763370E+01
	48	-.3847750E+02	-.1171701E+02	.1004660E+02	-.7591197E+02	.2650690E+02	.6924626E+00	.3126336E+01
	49	-.4402010E+02	-.1876932E+02	-.1310231E+02	-.26726650E+02	-.6730724E+02	.1287510E+01	-.18231740E+02
	50	-.3146694E+02	-.1364640E+02	-.3210566E+02	-.1614688E+02	-.1226461E+02	-.2301027E+01	.6491720E+01
	51	.7737816E+01	-.23302770E+02	-.0264467E+02	.6239117E+01	.1124338E+02	.0103010E+01	-.6663364E+01
	52	.5959440E+02	-.13465230E+02	-.6718620E+02	.1802050E+02	.7371695E+01	.1971340E+01	-.2302161E+01
	53	.1018340E+02	.1001033E+02	-.18007970E+02	.6720163E+01	.6450963E+02	-.2224220E+01	.2861204E+02
IV	54	-.1567382E+00	-.1678261E+01	.3109516E+01	-.1091140E+00	.6177771E+01	-.6490910E+00	-.60662930E+00
	55	.31644070E+00	-.0117136E+00	-.1479560E+00	-.1010200E+01	-.2876490E+01	.66637210E+02	-.3096510E+00
	56	.6426740E+00	.0190116E+00	.6189772E+00	-.0397110E+00	-.2404723E+00	.1621050E+00	.61212770E+00
	57	-.7062403E+00	-.0292540E+00	-.1072760E+00	-.4003610E+01	-.2134718E+00	-.3551922E+00	.7327960E+00
	58	.7007332E+00	.0171163E+00	.6976670E+00	.1226044E+00	.7104492E+00	.18079270E+00	.64667130E+00
	59	-.3007140E+01	.0306931E+01	.6663034E+00	-.1020074E+01	-.3446116E+01	.2131610E+00	.3616223E+00
	60	-.1111614E+01	-.0316943E+01	.0697311E+01	.6172324E+01	.2161770E+01	.7456461E+00	.5160120E+00
V	61	-.1401240E+00	-.0918670E+01	.0111610E+01	-.0226424E+01	-.5113403E+00	.3756011E+00	.7751110E+00
	62	-.7074100E+01	-.1392574E+02	-.2227114E+02	.6185960E+01	.2392660E+01	.2979466E+01	.1416380E+01
	63	.1713071E+01	-.0794613E+01	.2261402E+00	-.1207773E+01	.6713440E+01	-.1484942E+01	-.6181640E+01
VI	64	.6570165E+00	-.6610913E+01	-.7199516E+01	-.6651032E+01	-.1239761E+01	-.3492931E+01	-.2665430E+01
	65	-.1721962E+00	-.3396933E+01	.1623117E+01	.6147910E+01	-.0131160E+01	.6736570E+01	-.2799970E+01
	66	-.7123931E+00	-.6679072E+01	-.6672140E+01	.2184270E+00	-.1975596E+01	.7017310E+01	.1913653E+01
VII	67	-.1016192E+00	-.1067290E+00	-.1056901E+00	.1863660E+00	.1863660E+00	-.6029790E+01	.1863660E+00
	68	-.2266794E+01	-.6519124E+01	-.3020149E+02	-.3313587E+02	-.2463674E+02	-.1332690E+02	-.8971942E+01
VIII	69	.6613395E+01	.6762642E+01	.6652012E+01	.2397332E+01	.1866492E+01	-.1246882E+01	-.6971942E+01
	70	.6671932E+01	.2595611E+01	.6666666E+01	.7167990E+01	.6167120E+01	-.0167120E+01	-.6796617E+01
IX	71	.6402199E+01	.3174096E+01	.6666666E+01	.1114050E+01	.1466700E+01	.3270231E+01	-.1220560E+01
	72	.6402199E+01	.3174096E+01	.6666666E+01	.1114050E+01	.1466700E+01	.3270231E+01	-.1220560E+01

Table B.19 Coefficients to Represent the Global Variation of the Median Value of foF2 for July 1978 (Continued)

HARMONIC		4		5		6	
	S	7	8	9	10	11	12
I	K						
	0	.34929450E-01	-.18250940E-01	-.13749000E-01	.14450550E-01	.23844050E-01	.16077700E-01
	1	-.14279880E+00	-.32412980E+00	-.32445380E-01	-.22264770E+00	-.45544420E-01	.10072850E+00
	2	.25944100E-01	.30592510E+00	.30995310E+00	-.24130210E+00	-.7467940E+00	-.74077850E+00
	3	.37490100E-01	-.44960320E-01	-.12640300E-01	-.20439120E+01	.10944750E+00	-.12204190E+01
	4	-.04411810E+00	-.22549530E-01	-.43269820E-01	.63404240E+00	.51304020E-01	-.82231330E-01
	5	-.21777820E+02	-.21932490E+02	.07944100E-01	-.10048190E+02	.47749400E+00	.43443070E+01
	6	.16240010E-01	.03079100E-01	.12631630E-02	.49745750E-02	-.13043800E+02	-.17345150E+02
	7	.50949200E+02	.44654280E+02	-.25463700E-02	-.14051110E+02	-.47210780E+01	-.04082340E+01
	8	.02107940E+00	-.03394720E-01	-.14946880E-02	-.16057110E-01	.14329400E+00	.14449370E+02
	9	-.92237840E+02	-.44409000E+02	-.27558970E+01	-.1392410E+01	.78944210E+01	.04370400E+01
	10	-.75425560E+00	.35004910E-01	.00083330E-01	.23604150E-01	-.54139480E+01	-.7078940E+01
	11	.14404350E+02	.15025780E+02	-.10933900E-02	.30761710E-01	-.34417790E+01	-.31044940E+01
II	12	-.52046180E-01	-.12449710E-01	.96854140E-02	-.23252800E-01	.23774210E-01	-.73204970E-02
	13	-.12150820E-01	-.43221140E-01	-.30763160E-01	-.17657720E-01	.14077100E-01	.37777540E-02
	14	.41873400E+00	-.23433000E+00	.10130570E+00	-.27081470E+00	.14237790E+00	-.23884900E-01
	15	.43722610E+00	.30930300E+00	.10759700E-01	-.49136080E-03	-.24544530E+00	.17012180E+00
	16	.14097900E-01	.97355500E+00	-.49792330E+00	.04144470E+00	-.40380290E-01	.14065730E+01
	17	-.31833500E+00	.18246410E+01	.15417910E-01	.16389670E+00	-.31727490E+00	-.50493650E+00
	18	-.03106700E-01	.19760600E+00	.19218000E+00	.44261030E+01	.14441240E+01	-.44924970E+00
	19	-.07776320E-01	-.14031500E-01	-.35521180E-01	.9372460E+00	-.4946460E-01	-.34789190E-01
	20	-.12640400E+02	-.72881830E+01	.16576350E+02	-.72180440E+01	.25457740E+00	-.14422010E+02
	21	.42346380E-01	-.19236100E+02	-.01577430E-01	-.16175230E-01	.73562770E+00	.48732450E+01
	22	.32544440E+02	.12010730E+02	-.07697170E-01	-.23267230E+02	.54457500E+01	.44049400E+01
	23	.30467380E+02	.24001140E+02	.20331530E+02	-.20782510E+01	-.24464680E+02	.20257510E+02
	24	.40251700E+02	.31240430E+02	.36498400E+02	.11832670E+02	-.41107470E-01	.44493895E+02
	25	-.17693400E+02	-.08281500E+02	-.21128400E+02	.93077100E+01	.12042740E+01	-.125336730E+02
	26	-.71297520E+02	-.32067380E+02	.37094330E+02	.59772810E+02	-.24070210E+01	.31747300E+02
	27	-.16241350E+03	-.03141750E+02	-.00741830E+02	.10429510E+02	.59741290E+02	-.44678660E+02
	28	-.92492800E+02	-.40123110E+02	.31040420E+02	-.21973180E+02	.13444500E+01	-.34507720E+02
	29	.20713540E+02	-.08114640E+02	-.22851930E+02	-.22461420E+01	.72204440E+01	.04031300E+02
	30	.76632640E+02	.71958300E+02	-.33256950E+02	-.40194280E+02	-.15044680E+01	.42467400E+02
	31	-.12019100E+02	.74040800E+02	-.07408190E+02	-.13731400E+02	-.35091420E+02	.31442230E+02
	32	.24433250E+02	.23472000E+02	-.24975380E+02	.43074360E+01	.13044440E+01	.23101820E+02
	33	-.13344400E+02	.44030120E+02	.07375490E+02	-.45742220E+02	.45744400E+01	-.11171270E+02
	34	-.30446000E+02	-.33641300E+02	.26240040E+02	.21829400E+02	.10779440E+02	-.10733330E+02
	35	-.50451440E+02	-.35101110E+02	-.62443140E+02	.62708000E+01	.25340400E+02	-.14914130E+02
III	36	-.32173500E-01	.40105200E-01	.21272670E-01	.23045120E-02	.42979370E-02	.17416430E-01
	37	-.20076140E-01	.49346420E-02	.36419720E-02	.26132150E-02	-.21251430E-01	-.22491123E-01
	38	.04188900E-01	-.21494120E-01	.10937440E+00	.01294470E-01	.43997470E-01	-.11712100E-01
	39	.25231310E-01	.25164400E+00	.10196610E+00	.00714320E-01	.23268470E-01	.13601750E+00
	40	.21446220E-01	-.35638800E+00	-.13244200E+01	-.03508440E+00	.34403170E+00	.10787230E+00
	41	-.04748130E+00	-.43960700E+00	.31444190E+00	-.10471900E+01	.44333970E+00	.44819400E+00
	42	-.04453240E+00	-.75492700E+00	-.07313140E+00	-.18304600E+00	.09433460E+00	.46724613E+00
	43	.00732130E+00	-.24634910E+01	.32346430E+00	-.14011610E-01	.6175710E+00	.15074700E+01
	44	-.11910400E+02	.36072340E+01	.63439830E-01	.0472740E-01	.45744400E+01	.22046470E+01
	45	-.17125400E-01	.30621030E+01	.29129640E-01	.7404170E-01	.43551440E+01	.10230430E+01
	46	.20346200E-01	.34666600E+01	.64820660E-01	.10849180E+00	.23456810E+01	.12444400E+01
	47	-.20100200E-01	.72574460E+01	-.10747800E-01	.34063170E+01	-.10142310E+01	.44422670E+01
	48	.20743130E-02	-.64806450E+01	-.24401910E-01	-.13748300E+02	.04941200E+01	.33705550E+01
	49	.44672210E-01	-.18876130E+02	-.61561130E-01	-.17202400E+02	.04910270E+01	.70110120E+01
	50	-.24592400E-01	-.24031240E+01	.75648900E+00	.22077910E+00	.17314400E+01	.01429420E+03
	51	.23107910E-01	-.37444460E+01	.65142320E+00	-.24160510E+01	.17433010E+01	.13916970E+01
	52	-.12210040E-02	.32034070E+01	.73464180E-01	.01492800E+01	.42659730E+01	-.16123020E+01
	53	-.04462400E-01	.11744400E+02	.46440120E-01	.11173140E+02	.63591770E-01	-.74024700E+01
IV	54	.00764440E-01	.44022910E-01	-.31716120E-01	-.16181040E-01	.33748970E-02	.442007420E-01
	55	-.04048500E-01	.10313770E-01	.76446610E-01	-.23664790E-01	.12717320E-01	-.20040730E-01
	56	.11019700E-00	-.24932160E-02	.03260110E-01	.04816840E-01	.46976170E-01	-.03040510E-02
	57	.35100100E-01	.11330430E+00	-.03211000E-01	.11010700E+00	.16979120E-01	.77312720E-01
	58	-.14274400E-01	.21408440E+00	.23053500E+00	.11010700E+00	.17300100E+00	-.22474420E+00
	59	-.20440130E+00	.44000440E+00	.14049130E+00	.75420400E-01	.33029370E-01	.449706230E-01
	60	-.21723020E+00	.64034400E-02	.16074430E+00	-.14200400E+00	.13076440E+00	.10172400E-01
V	61	-.17143400E+00	-.27310930E+00	.67200740E-01	.31079700E+00	.12079190E+02	.23302740E+02
	62	.70643300E+01	-.02420620E+00	-.24210300E+00	-.21234920E+00	.12116700E+00	.122100120E+01
	63	.16391440E+00	.11031140E-01	.76410750E+00	.14734370E+00	.27177970E-01	.593204720E+01
VI	64	.11798240E+00	-.22046340E-01	.13543720E+00	.17392400E-02	.136473420E-02	-.04914440E-01
	65	.44033040E-01	.07207120E-01	-.17938040E-02	.14444470E-02	.140471462E-02	-.0444210E-02
VII	66	.40007410E-02	.44774700E-02	-.14497400E-02	.34444400E-02	.44444440E-02	.44444440E-02
	67	-.17117400E-02	-.17117400E-02	.74031140E-02	-.14074400E-02	.44444440E-02	-.11717400E-02
VIII	68	-.44444440E-02	.24444440E-02	.34444440E-02	-.24444440E-02	.44444440E-02	.44444440E-02
	69	.07444440E-02	.37444440E-02	-.44444440E-02	.24444440E-02	.44444440E-02	.44444440E-02
IX	70	.44444440E-02	.44444440E-02	.44444440E-02	.44444440E-02	.44444440E-02	.44444440E-02
	71	.44444440E-02	.44444440E-02	.44444440E-02	.44444440E-02	.44444440E-02	.44444440E-02

Table B.20 Coefficients to Represent the Global Variation of the Median Value of foF2 for August 1978

HARMONIC		0	1	2	3	4	5	6
S	K	0	1	2	3	4	5	6
		0	1	2	3	4	5	6
I	0	.02791810E+01	-.30537450E+00	.24491710E+00	-.27748880E-01	-.33376710E-01	-.53486280E-01	.13910900E-01
	1	-.16197310E-01	.11497480E-01	.11497170E-01	-.00220050E+00	.10327370E+00	-.31150490E+00	-.33886280E+00
	2	.27629640E+02	-.78108880E+01	.26352510E+01	.11257780E+01	-.2702240E+01	.8946240E+01	-.54777110E+01
	3	.24071300E+02	-.14339780E+02	-.58143490E+01	.11192160E+02	-.11781240E+01	-.08105020E+01	-.2400440E+01
	4	-.16227400E+03	-.30206290E+02	-.31517080E+02	-.69239710E+01	.16786490E+02	-.41347140E+01	-.68182620E+01
	5	-.12303160E+03	.51717080E+02	.32863570E+02	-.50123480E+02	.14045300E+02	.10527400E+02	-.93797110E+01
	6	.34106470E+03	.88551680E+02	.97876010E+02	.23956570E+02	-.3744440E+02	.62040730E+02	.1282820E+02
	7	.125969320E+03	-.93926430E+02	-.44118910E+02	.92048920E+02	-.13493120E+02	-.62320470E+02	.20881520E+02
	8	-.13774640E+03	-.92139250E+02	-.13542460E+02	-.26524740E+02	.3580480E+02	-.78935260E+01	-.14087400E+02
	9	-.16396440E+03	.57335940E+02	.1173010E+03	-.73614130E+02	.7377430E+02	.61463160E+02	-.22351370E+02
	10	.12868030E+04	.37423110E+02	.44636370E+02	.1036480E+02	-.12041340E+02	.307204630E+01	.5429360E+01
	11	.43289950E+02	-.70204600E+02	-.51046430E+02	.23149140E+02	-.22573110E+02	-.22845260E+02	.91556440E+01
II	12	-.51374460E+00	.23202450E+01	.16878410E+01	-.43318340E-01	-.27847490E+00	-.47641780E-01	.24981670E-01
	13	.17090740E+00	-.15441960E+01	.1739270E+01	.2924440E+00	-.04001100E+01	-.15437740E+00	-.49639810E-01
	14	-.37169740E+00	.14781490E+01	.24612190E+00	.8649780E+00	.13264230E+00	.7125230E+01	.36645420E+00
	15	-.1099980E+01	.4418940E+00	-.11619870E+01	.3157470E+00	.23394070E+00	.6333110E+00	.1793940E+00
	16	.17336840E+01	.80266580E+01	-.72784500E+01	-.83001420E+01	-.12494100E+01	.74327780E+00	.97831290E-01
	17	.77791710E+01	.1073040E+02	.62493730E+01	.1396040E+01	.17211770E+01	.31495130E+01	.64932780E+00
	18	.1210670E+02	-.11104740E+01	-.60321040E+01	-.2078520E+01	.44595840E+01	.68721740E+01	-.87731820E+01
	19	.72071140E+02	.5748640E+01	.27203490E+02	-.1209400E+02	-.25161740E+02	-.105772620E+02	-.1865060E+02
	20	.4177410E+02	.17020030E+02	.64328870E+02	-.4487490E+02	.17217270E+02	-.53556430E+01	-.79431010E+01
	21	-.2400030E+02	-.1540500E+02	.49797740E+02	-.20079130E+02	-.2182240E+02	-.14709220E+02	.10645170E+01
	22	-.4566340E+02	-.28032660E+02	.6028040E+02	.13235170E+03	-.18326120E+02	-.30744010E+02	.31200000E+02
	23	-.6258430E+02	-.44138820E+02	-.13134090E+02	.31010150E+02	.1337380E+03	.57155940E+02	.1539710E+02
	24	-.2679700E+03	-.23578710E+03	-.20597870E+03	.6493020E+01	-.44595840E+01	.12053110E+02	.13387680E+02
	25	.9286640E+03	.46727420E+03	-.42014090E+03	.3106230E+02	.9571030E+02	.37749310E+02	-.2327390E+02
	26	.1753770E+03	.14223110E+03	-.11849320E+03	-.33295190E+01	.10110100E+02	.68075440E+02	-.22196660E+02
	27	.1040030E+04	.1277730E+03	.30047160E+03	-.11214300E+03	-.35134870E+03	-.1373630E+03	-.1219130E+02
	28	.3741240E+03	.43543470E+03	.27721140E+03	-.2235451E+02	.50774920E+02	-.3122320E+02	-.6062370E+02
	29	.30291310E+02	-.64477180E+03	.7034430E+03	-.821200E+02	-.5662940E+02	-.74388710E+02	.33976020E+02
	30	-.2140440E+03	-.7044970E+03	.11811130E+03	.36031840E+03	.11721060E+03	-.7209310E+02	.1374760E+02
	31	-.1124970E+04	-.1137530E+03	-.16366720E+03	.11878160E+03	.15721590E+03	.15678730E+03	.574740E+02
	32	-.17435270E+03	-.22718620E+03	-.13047640E+03	.1406550E+02	-.14338050E+02	.1726480E+02	.1726480E+02
	33	-.2714440E+02	.3034270E+03	.2684430E+03	.38188490E+02	.26731110E+02	.3681450E+02	.3681450E+02
	34	.94104110E+02	.45970120E+02	-.3603470E+02	-.14225930E+02	-.32355440E+02	.64346612E+02	.64346612E+02
	35	.46379210E+03	.24641060E+02	.15061030E+03	-.49140130E+02	-.1326430E+03	-.6103180E+02	-.1918611E+02
III	36	.2636890E+00	-.1172018E+00	.27719280E+00	-.8870430E-01	.5257520E+00	-.85047780E-01	.14943570E-01
	37	.33964310E+00	-.18744420E+00	.2183780E+00	-.4844100E-01	.53717920E+00	-.3114183E-01	.1877536E-01
	38	.18277010E+01	.78910850E+00	-.43346380E+00	.64459420E+00	.1745140E+01	.1230390E+01	.1194200E+00
	39	-.15143760E+01	.74933930E+00	-.22013030E+00	.64152340E+00	.1661894E+01	.4423890E+00	.9520200E+00
	40	-.74646130E+01	.33331120E+01	-.1664340E+01	-.03311370E+01	.6781010E+01	.1709952E+01	.1213111E+01
	41	-.6138600E+01	.25729780E+01	-.19319720E+01	-.6757160E+01	-.2011132E+01	.2092470E+01	.9330640E+00
	42	-.18136160E+02	-.61341810E+01	.54267740E+00	.13349780E+01	.13349780E+01	.6920740E+01	-.2131910E+01
	43	.89221140E+01	-.85181490E+01	-.34277230E+01	.1675940E+01	.1098751E+02	.97167780E+01	-.60481060E+01
	44	.16534440E+02	-.83940370E+01	.38495860E+01	.14014970E+02	-.1884726E+02	-.43662670E+01	.1834660E+02
	45	.2644470E+02	-.27744320E+01	.32816730E+02	.3722742E+02	.16112160E+02	-.16923720E+02	.3694230E+00
	46	.3897840E+02	.87498110E+01	.34937310E+01	-.4482626E+02	.1629697E+01	.1493184E+02	.18744110E+01
	47	-.4644470E+01	.82462710E+02	.13474670E+02	-.1322700E+02	-.4179461E+02	.13264320E+02	.3166220E+01
	48	-.31135510E+02	.8004540E+01	.3379470E+02	-.2464440E+02	.1742637E+02	.3779642E+02	-.35182030E+01
	49	-.43766780E+02	.37819670E+01	-.71306160E+01	-.7618240E+02	-.3871909E+02	.3779642E+02	-.35182030E+01
	50	-.22930210E+02	-.37293190E+01	-.1002220E+02	.3031340E+01	-.3444042E+01	-.14951860E+02	-.2943660E+02
	51	.12536440E-01	-.1444750E+02	-.11846770E+02	.1882242E+02	.2893293E+02	-.1166940E+02	-.38772020E+01
	52	.16425070E+02	-.2846420E+01	-.27771770E+02	.16427370E+02	.21646210E+01	-.14597510E+00	.16163660E+02
	53	.17819120E+02	-.1916970E+01	.4464740E+02	.2270302E+02	.23167160E+02	-.24974210E+02	.1364240E+01
IV	54	.94618940E-01	-.14101120E+00	.40911260E-01	-.20372120E+00	-.2245440E+00	-.44039170E-03	-.73476410E+00
	55	.39696720E+02	-.40897130E+00	-.30049170E+00	.18917370E+00	-.12487430E+00	.72717220E+03	-.43172710E+00
	56	.1771340E+02	.0212244E+02	-.7447661E+01	-.4661460E+00	-.1612933E+00	-.17391030E+00	.9796070E+01
	57	.14004490E+00	-.39491410E+00	.13447850E+00	-.3754160E-01	-.1746122E+02	-.1397836E+03	.1623152E+03
	58	.8637842E+00	.27324960E+01	-.8723620E+00	-.8455740E+00	.1779721E+01	.44622390E+00	.3932131E+00
	59	-.2371710E+01	.4744081E+01	.6478460E+00	-.1697618E+01	.4812423E+00	.3346532E+03	.1294470E+01
	60	-.2378440E+01	-.11777920E+01	.9141920E+00	.8712763E+00	.2173410E+00	.12314430E+01	.2706170E+00
V	61	-.41346320E+02	.1012527E+01	.1411732E+02	.1276120E+02	.7111772E+00	-.7464110E+01	.13284160E+01
	62	-.8139171E+01	.1941791E+01	.2466262E+00	-.7878184E+00	-.14649340E+01	-.13778730E+01	-.7464110E+01
	63	.1399422E+01	-.4144430E+01	-.9787930E+01	.8712000E+00	-.64849780E+00	-.4276401E+00	-.2141740E+01
VI	64	.4427919E+02	.6004672E+02	-.44319380E+01	-.9124707E+01	.3666651E+01	-.0297932E+01	-.4772812E+01
	65	-.1654244E+03	-.4764522E+01	.93760070E+01	-.13844220E+01	-.4264192E+01	.1497752E+01	-.7482162E+01
	66	-.2479717E+01	-.1946287E+01	-.1937816E+01	.2228400E+00	-.1570931E+00	.0764672E+01	.1216378E+02
VII	67	.3459617E+00	.0749615E+00	-.2127166E+01	.1177899E+00	.1468671E+00	-.1684626E+00	-.1684626E+00
	68	-.3723912E+01	-.0234438E+01	-.2494761E+02	-.27181230E+01	-.2723120E+00	-.3497932E+02	-.4467180E+02
VIII	69	-.3723912E+01	-.0234438E+01	-.2494761E+02	-.27181230E+01	-.2723120E+00	-.3497932E+02	-.4467180E+02
	70	.0234438E+01	.0234438E+01	.0234438E+01	.0234438E+01	.0234438E+01	.0234438E+01	.0234438E+01
IX	71	.0234438E+01	.0234438E+01	.0234438E+01	.0234438E+01	.0234438E+01	.0234438E+01	.0234438E+01
	72	.0234438E+01	.0234438E+01	.0234438E+01	.0234438E+01	.0234438E+01	.0234438E+01	.0234438E+01

Table B.20 Coefficients to Represent the Global Variation of the Median Value of foF2 for August 1978 (Continued)

HARMONIC		4		5		6	
	K/S	7	8	9	10	11	12
I	0	.118066+01-01	.11176120E-01	.76438676E-02	-.6121618CF-02	.66664110E-02	-.40966400E-21
	1	.12017350E+00	-.12491840E+00	.11203900E+00	.13640010E+00	.15956610E+00	.3395942 E-21
	2	.82137350E+00	-.72627070E+00	-.11746600E+00	-.8918440E-01	-.69240020E+00	.4778.850E-20
	3	-.14934500E+01	.29816970E+01	-.17429670E+01	-.3443246E+01	.13465000E+01	-.1420130E+01
	4	-.43669810E+01	.37466420E+01	-.31102790E+01	.13644050E+01	.34567140E+01	-.9324147E+01
	5	.48167661E+01	-.18048140E+02	.37547777E+01	.19006600E+02	.24394120E+01	.75933190E+01
	6	.86619870E+01	-.65566470E+01	.77547777E+01	.19006600E+02	.24394120E+01	.75933190E+01
	7	-.49727350E+01	.45101550E+02	-.1314660E+02	.4611686E+02	.19495070E+01	-.16220740E+02
	8	-.45663450E+01	.40833600E+01	-.36344090E+01	.31841900E+01	.23264100E+02	.75366710E+01
	9	.48444320E+01	-.44379660E+02	.17334030E+02	.66197080E+02	.45785070E+01	.2.318260E+02
	10	.15016820E+01	-.4829660E+00	.27874180E+01	-.10462430E+01	.10009200E+02	.2740C46E+01
	11	-.13357700E+01	.16677600E+02	-.66168600E+01	-.10693110E+02	.19039430E+01	-.88663.7E+01
II	12	.47799600E-01	-.23215810E-02	.15623110E-01	.15037400E-01	-.25639360E-01	-.22315330E-01
	13	.31901950E-01	.43686010E-01	-.21176810E-01	.41123080E-01	.22140310E-01	.30766130E-01
	14	-.81271970E-01	.21708110E+00	-.66196770E+00	.60191740E+01	-.26491210E+00	.3.715240E+00
	15	.35466450E-01	-.40340870E+00	-.18581170E+00	-.11710300E+00	.21739910E+00	-.13367350E+00
	16	-.64296450E+00	.78029180E+00	-.27865380E+00	.80941790E+00	.12835300E+01	.86642180E+00
	17	-.14626220E+00	-.66089370E+02	.46069270E+00	-.12181900E+01	.91120000E+00	-.10662500E+01
	18	.3483120E+01	-.69621190E+00	.0659510E+01	.1041860E+01	.3960310E+01	-.3764330E+01
	19	-.64966970E+01	.71624910E+01	.14358200E+00	.23721280E+01	.16791170E+01	.12966740E+01
	20	.26545750E+01	.44902460E+01	.11375440E+01	-.66031930E+01	.43791150E+01	.13610370E+01
	21	-.83661770E+01	-.53869120E+01	-.61276380E+01	.66967640E+01	.32673230E+01	.11462300E+02
	22	.24621020E+02	.62678870E+01	-.62112760E+02	-.72878350E+01	.18357610E+02	.23731640E+02
	23	.47231310E+02	-.23693560E+02	.10333490E+02	-.11277230E+02	.17669740E+02	.86027113E+01
	24	-.81611000E+00	.38723120E+01	-.23462210E+01	.12734640E+02	.24705970E+02	.70330670E+01
	25	.14933240E+01	.23011650E+02	.15951470E+02	-.17082920E+02	-.95466740E+01	-.61576600E+02
	26	.64767970E+02	-.26466640E+02	.97221670E+02	.20317750E+02	.12316160E+02	-.97221670E+02
	27	.12307300E+03	.60764300E+02	-.62030100E+02	.19641570E+02	-.41365240E+02	.11462300E+02
	28	.22590110E+01	-.57668830E+01	.21061030E+01	-.63234960E+01	-.21302590E+02	-.23266690E+01
	29	.23748100E+00	.34188600E+02	-.21179640E+02	.17142300E+02	.36593210E+01	.36413160E+02
	30	.71666770E+02	.43273610E+02	-.18206100E+02	-.23111810E+02	-.21871690E+02	.37118600E+02
	31	.14136310E+03	-.45928350E+02	.61133970E+02	-.12496430E+02	.66445180E+02	-.12111730E+02
	32	.19930100E+01	.43053610E+02	-.20343620E+01	.15994960E+01	.14401660E+02	-.18733220E+01
	33	-.67362400E+00	.17070700E+02	.66666670E+01	-.57730370E+01	-.15102400E+02	-.2772940E+02
	34	.20337660E+02	-.22518260E+02	.61283860E+02	.64091160E+02	.28346610E+01	-.20332630E+02
	35	-.37375660E+02	.11114700E+02	-.62961170E+02	.21341310E+01	-.17456660E+02	.13726000E+01
III	36	-.10353360E-01	-.37640940E-01	-.13162320E-01	.21791440E-01	-.55174030E-02	.6317780E-02
	37	.78287360E-03	.3020100E-01	-.31071810E-01	.18616930E-01	-.65796110E-02	-.16144810E-01
	38	-.10311920E+00	.12158870E+00	-.14009730E+00	.78604100E-01	-.4171010E-01	-.13159620E-03
	39	.12333760E+00	-.14693460E+00	.30464960E-01	-.16664480E+00	-.14664480E+00	.12611020E+03
	40	.12160810E+01	.11188110E+01	.77691970E+00	.24609920E+00	-.17950370E+00	-.1037766E+02
	41	-.73146450E+00	.01373780E-02	.13813260E+00	.5066170E+01	.19366410E-01	.23254470E+00
	42	.41204160E+00	.40321880E+00	.32129730E+00	.12836730E+01	-.1375910E+00	.1320180E-01
	43	-.93997480E+00	.14666110E+01	-.23279920E+00	.29437900E+01	.14211150E+01	.6712600E+02
	44	.78596160E+01	-.69017480E+01	-.12496260E+01	.22678960E+01	.32667460E+01	.30366130E+01
	45	.36536670E+01	.21881590E+00	.7395430E+01	.63367600E+00	-.78106610E+00	.1311760E+02
	46	.10779740E+00	.64001460E+00	.12787450E+00	-.36818940E+01	-.78106610E+00	.1311760E+02
	47	.13736390E+01	-.34932660E+01	.93755390E+00	-.94211320E+01	.17015210E+01	.56102760E+01
	48	.13972180E+02	.14107330E+02	.91263460E+01	-.54601420E+01	-.77176010E+01	.28019520E+01
	49	-.91030140E+01	-.12707770E+01	-.16493250E+01	-.28366740E+01	.24104740E+01	-.1.764679E+01
	50	-.62191240E+00	-.14109190E+01	-.28163740E+00	.31147780E+01	-.11676260E+01	.66727630E+01
	51	-.10966860E+01	.22833860E+01	-.18327660E+01	.28710190E+01	.13986060E+01	-.2346760E+00
	52	-.18106610E+02	-.91919110E+01	-.12466160E+01	.14580640E+01	.31676730E+01	.1351671E+03
	53	.22257700E+01	.16911270E+01	.23408880E+01	.24249350E+01	-.7546600E+01	.12991830E+01
IV	54	.27865910E-01	-.21022790E-01	-.66407030E-02	.13217160E-22	.75111610E-02	-.22760233E-01
	55	-.21366630E-01	-.31735690E-02	.19678960E-01	.62198660E-03	-.15866290E-01	-.6221190E-01
	56	-.6067920E-01	.34311210E-01	.1761070E-01	.1627900E-01	.24662730E-01	-.10920073E+00
	57	.1417120E-02	.19266930E+00	-.21672260E-01	-.3729330E-01	-.6669760E-01	.11219420E+00
	58	-.60746100E+00	.76639120E+00	-.29632720E-03	.10641760E-01	-.1176790E+00	.17395620E+00
	59	-.66139170E+00	-.93674460E+00	.7743240E-01	-.49419160E-01	.28156240E+01	.6992922E+01
	60	.36021190E+00	-.61631270E-01	.16263370E-02	.1109316E-01	-.34376190E+01	.27016220E+00
	61	.1566312E+00	.40821210E+00	.13967410E+00	.01826690E+01	.19263620E+00	-.3223276E+03
V	62	.71666770E+02	.43273610E+02	-.18206100E+02	-.23111810E+02	-.21871690E+02	.37118600E+02
	63	.78647660E+00	.5366660E+00	.3753810E-01	.17729060E+00	-.68761770E+02	.1.97886E+03
	64	.21663477E+00	-.19667130E+00	-.14666770E-01	.32376920E-02	-.11921390E-01	.1696666E+02
VI	65	.1978171E+00	.22591110E+00	.62569970E-02	.2847770E-03	.66661150E+00	-.9676930E+02
	66	.12161920E+00	.3911920E+00	.64125660E-01	.29166480E-01	.6166762E-01	-.1866127E+02
	67	-.19192890E+00	.14916160E+00	.72746220E-01	-.12101170E+00	-.49791030E-01	-.1.91927E+01
VII	68	-.1996610E-01	.31666930E-01	-.6766834E-01	.2495667E-01	-.14666260E+00	.6966662E+01
	69	-.4258216E-01	-.14669190E-01	-.1966831E-01	-.4311666E-01	-.6213476E-01	-.1.97666E+01
VIII	70	.20366610E-01	.39669190E-01	.6766834E-01	.2495667E-01	-.14666260E+00	.6966662E+01
	71	-.1031966E-01	.24669190E-01	.1966831E-01	.4311666E-01	-.6213476E-01	-.1.97666E+01
IX	72	.20366610E-01	.39669190E-01	.6766834E-01	.2495667E-01	-.14666260E+00	.6966662E+01
	73	-.1031966E-01	.24669190E-01	.1966831E-01	.4311666E-01	-.6213476E-01	-.1.97666E+01

Table B.21 Coefficients to Represent the Global Variation of the Median Value of foF2 for September 1978

[illegible]

Table B.21 Coefficients to Represent the Global Variation of the Median Value of foF2 for September 1978 (Continued)

HARMONIC		4	5	6			
	$\frac{S}{K}$	7	8	9	10	11	12
I	0	-.39931070E-01	-.26181310E-01	-.16416320E-01	-.16156880E-01	-.37044050E-02	-.11117910E-01
	1	-.2221598E-02	-.9092570E-01	-.12787560E-00	-.11895140E-00	-.12356080E-00	-.12015810E-00
	2	-.34944000E+00	-.18275730E+00	-.127467940E+01	-.27803330E+00	-.75149010E-01	-.18150360E+00
	3	-.15086490E+00	-.17073070E+00	-.24521020E+01	-.16193870E+01	-.10731240E+01	-.16833720E+01
	4	-.34336410E+01	-.42481410E+00	-.6057510E+01	-.34688780E+01	-.15508850E+01	-.12187770E+01
	5	-.87444930E+00	-.36112650E+01	-.11480730E+02	-.81474430E+01	-.23944800E+01	-.86189430E+01
	6	-.79042830E+01	-.10326410E+01	-.15284240E+02	-.12275080E+02	-.42453750E+01	-.2783970E+01
	7	-.82426090E+01	-.10216410E+02	-.24449010E+02	-.17471840E+02	-.25477700E+01	-.17681310E+02
	8	-.71920730E+01	-.14449500E+01	-.1708840E+02	-.2582050E+02	-.69415240E+01	-.14912460E+02
	9	-.13015180E+02	-.10124790E+02	-.22728010E+02	-.17407620E+02	-.41537700E+00	-.15215920E+02
	10	-.21946340E+01	-.80304630E+00	-.55371020E+01	-.6749480E+01	-.4191570E+01	-.6280040E+00
	11	-.67477940E+01	-.33053710E+01	-.77270440E+01	-.66144800E+01	-.11787050E+01	-.5888630E+01
II	12	-.12356750E-01	-.20347740E-02	-.12775240E-01	-.16234640E-01	-.9134240E-02	-.10219100E-02
	13	-.94828870E-01	-.9253380E-01	-.45894440E-02	-.34624170E-01	-.11644910E-01	-.14951810E-01
	14	-.32266770E-01	-.20459340E+00	-.83191500E-01	-.48571870E-01	-.80059040E-01	-.85733770E-01
	15	-.02461470E-01	-.31481840E+00	-.82474600E-01	-.23110280E-01	-.02323900E+00	-.28431050E-01
	16	-.36817840E-01	-.73393350E+00	-.49084780E+00	-.1572400E+00	-.19311700E+00	-.14944870E+00
	17	-.24530270E+01	-.23637800E+01	-.87060180E+00	-.13724500E+01	-.88184080E+00	-.37547230E+00
	18	-.17485240E+01	-.49469170E+01	-.11342080E+01	-.11221580E+00	-.94172440E+00	-.22181530E+01
	19	-.41614820E+00	-.39237840E+01	-.13247710E+01	-.36491710E+00	-.48972270E+01	-.23245940E+00
	20	-.18883680E+00	-.12016310E+02	-.82780820E+01	-.3384430E+01	-.6345200E+01	-.15611920E+01
	21	-.23699180E+02	-.12449140E+02	-.42464280E+01	-.23646280E+02	-.94052000E+01	-.12005970E+01
	22	-.10578630E+02	-.36116420E+02	-.2339430E+02	-.13197410E+01	-.17144010E+01	-.14449490E+01
	23	-.93246480E+01	-.30577120E+02	-.9481240E+01	-.9444100E+01	-.15983750E+02	-.19264440E+01
III	24	-.14041030E+01	-.52114640E+02	-.24922340E+02	-.1023270E+02	-.15053470E+02	-.19032110E+01
	25	-.03188580E+02	-.26777910E+02	-.76245380E+00	-.43612230E+02	-.33459700E+02	-.6213600E+01
	26	-.25772450E+02	-.10451820E+03	-.46056320E+01	-.13940670E+02	-.13147410E+02	-.70189120E+02
	27	-.27716270E+02	-.61881630E+02	-.7232340E+02	-.46146740E+02	-.52061180E+02	-.73148770E+01
	28	-.43010140E+00	-.81044720E+02	-.19729210E+02	-.13878170E+02	-.1293430E+02	-.42959070E+01
	29	-.11495310E+00	-.22467810E+02	-.12196470E+02	-.35946320E+02	-.44220460E+02	-.37951330E+01
	30	-.26431010E+02	-.12425780E+03	-.6125440E+01	-.19481690E+01	-.17274460E+01	-.62279230E+02
	31	-.26448780E+02	-.97691340E+02	-.35493340E+02	-.72918930E+02	-.64403650E+02	-.13018410E+02
	32	-.44068210E+00	-.61628210E+02	-.10391730E+02	-.69022880E+01	-.21307670E+02	-.17305120E+01
	33	-.33587180E+02	-.60492770E+01	-.18426970E+02	-.23186930E+02	-.21627640E+02	-.14304440E+01
	34	-.94168500E+01	-.34683460E+02	-.76935860E+01	-.90082770E+01	-.19441460E+01	-.14334210E+02
	35	-.9449440E+01	-.16276610E+02	-.14811840E+02	-.37377510E+02	-.87340610E+02	-.8037940E+01
IV	36	-.06824080E-01	-.15744950E-01	-.23446960E-01	-.61194910E-01	-.18494610E-01	-.23512160E-02
	37	-.02188270E-02	-.32806160E-02	-.26948770E-01	-.34803770E-01	-.75185570E-02	-.28894520E-01
	38	-.11878230E-00	-.11109130E+00	-.44468510E-02	-.44468510E-02	-.11547900E+00	-.76137030E-01
	39	-.3586710E-01	-.18444870E+00	-.12710780E+00	-.22494330E+00	-.8745720E+00	-.24011920E+00
	40	-.23312590E+01	-.72491140E+01	-.63789710E+00	-.18236030E+01	-.82702610E+00	-.23730110E+00
	41	-.25444320E+02	-.85393430E+00	-.26496630E+00	-.16751490E+01	-.88477320E+00	-.46023140E+00
	42	-.36882820E+00	-.18917960E+01	-.38464070E+00	-.25538940E+00	-.35714090E+00	-.21866450E+00
	43	-.46780720E+00	-.16497260E+01	-.11080710E+01	-.14837960E+01	-.22232030E+01	-.41150110E+00
	44	-.13893740E+02	-.72601400E+00	-.12717410E+01	-.14107210E+01	-.17602120E+01	-.14539130E+01
	45	-.1827670E+01	-.61448120E+01	-.96077440E+01	-.59018720E+01	-.71545420E+01	-.2281190E+01
	46	-.17263360E+01	-.68314200E+01	-.12647120E+01	-.13238820E+01	-.62834860E+00	-.24964610E+00
	47	-.13979280E+01	-.63142240E+01	-.14269160E+01	-.47949470E+01	-.95107020E+01	-.33301740E+01
V	48	-.20152530E+02	-.26431070E+02	-.4607280E+01	-.31162880E+01	-.65407580E+00	-.22482370E+01
	49	-.39176760E+01	-.16727510E+02	-.13016440E+02	-.16261140E+02	-.13188650E+02	-.96661080E+01
	50	-.17119470E+01	-.44049130E+01	-.23546440E+01	-.11494040E+01	-.11494040E+01	-.22661790E+01
	51	-.17113030E+01	-.11276780E+01	-.96073490E+01	-.14593160E+01	-.63428110E+01	-.22482370E+01
	52	-.14597940E+02	-.23546440E+01	-.18754420E+01	-.29232090E+00	-.02148710E-01	-.02172190E+01
	53	-.94211400E+01	-.19811940E+00	-.26423240E+00	-.46227480E+00	-.44214440E+00	-.66498330E+00
VI	54	-.03356610E+00	-.17463960E+00	-.07437110E-01	-.81927180E-02	-.14794920E-01	-.48911430E+02
	55	-.07025150E+00	-.24904110E+00	-.14904220E-01	-.01607820E-01	-.46447970E-01	-.96972370E+00
	56	-.14492070E+00	-.22499170E+00	-.07139640E-01	-.31169720E-01	-.17886240E-01	-.46116720E+01
	57	-.77874130E+00	-.12494150E+00	-.14158400E+00	-.37924970E-02	-.12770920E-02	-.27397210E-01
VII	58	-.03781180E-01	-.11909110E-01	-.13746420E-00	-.01193110E-00	-.4894240E-02	-.28839380E-01
	59	-.14987400E-01	-.20244110E-01	-.04848070E-00	-.12846220E-00	-.43187390E-02	-.22019120E-01
VIII	60	-.01144440E-02	-.14936910E-01	-.04499330E-01	-.022511320E-01	-.148871520E-00	-.26491710E-01
	61	-.39421470E-01	-.13997480E-01	-.03661580E-01	-.07239660E-01	-.148847290E-00	-.149286120E-01
IX	62	-.01144440E-02	-.14936910E-01	-.04499330E-01	-.022511320E-01	-.148871520E-00	-.26491710E-01
	63	-.39421470E-01	-.13997480E-01	-.03661580E-01	-.07239660E-01	-.148847290E-00	-.149286120E-01

Table B.22 Coefficients to Represent the Global Variation of the Median Value of foF2 for October 1978

HARMONIC		0	1	2	3	4	5	6
S	K	0	1	2	3	4	5	6
		0	1	2	3	4	5	6
I	0	-1.0572820E+02	-1.0047750E+00	-2.8469070E+00	-2.8215040E+02	-4.9903130E+01	-1.0223180E+01	-4.3771330E+01
	1	-2.5244100E+00	-1.0414000E+01	-2.7513400E+00	-2.8373010E+00	-5.9387000E+01	-1.1041970E+02	-3.7700700E+00
	2	-3.5240700E+02	-2.5524900E+01	-3.7004100E+01	-1.0790040E+01	-1.1323410E+01	-1.0203010E+01	-1.0267170E+00
	3	-3.9043340E+02	-3.9244810E+02	-1.2330410E+01	-9.1177900E+01	-4.019430E+01	-4.0384900E+01	-4.0221100E+01
	4	-1.0122400E+03	-1.5107070E+01	-2.7030400E+02	-1.2041370E+02	-1.1195700E+02	-8.0292700E+01	-1.4003010E+01
	5	-3.1304030E+03	-2.4296210E+03	-1.1236540E+02	-2.7004730E+02	-2.557590E+02	-2.5141030E+02	-2.2919700E+02
	6	-2.4433000E+03	-2.1990210E+02	-3.7203540E+02	-3.2539500E+02	-2.957320E+02	-2.0405140E+02	-1.1609000E+02
	7	-9.640000E+03	-5.971440E+03	-7.7044100E+02	-3.5003010E+02	-4.9293120E+02	-2.5110040E+02	-4.5010700E+02
	8	-1.0222400E+03	-2.4549400E+02	-5.7614000E+02	-3.4800130E+02	-3.2700700E+02	-2.0493550E+02	-2.2157320E+02
	9	-4.9710240E+03	-6.094480E+03	-1.2298270E+03	-3.3447610E+02	-2.9514800E+02	-5.013520E+02	-1.3019760E+02
	10	-1.0033170E+02	-8.049810E+01	-2.3049500E+02	-1.4026000E+02	-1.275110E+02	-7.453910E+01	-1.040930E+02
	11	-1.7771610E+03	-2.231400E+03	-5.844050E+02	-1.093110E+02	-6.907400E+01	-1.027030E+02	-1.180400E+02
II	12	-7.3761440E+00	-1.0236330E+01	-1.0152610E+01	-1.2442980E+00	-8.745440E+01	-4.4400420E+01	-8.027330E+01
	13	-2.077220E+00	-2.259550E+01	-1.711300E+01	-2.4419470E+00	-1.155330E+00	-3.191740E+01	-1.141120E+00
	14	-7.046370E+01	-9.232530E+00	-3.511220E+01	-4.0320740E+00	-1.050110E+01	-8.3704120E+00	-2.060740E+00
	15	-0.574210E+00	-1.4107270E+00	-7.6104270E+00	-4.5320050E+00	-4.7423030E+01	-3.6326430E+00	-1.902410E+00
	16	-2.414870E+02	-1.0404470E+02	-1.7273010E+02	-1.0553400E+01	-2.9461340E+01	-2.8530600E+01	-4.5340600E+00
	17	-1.6570030E+01	-2.040400E+02	-5.9671140E+01	-1.1312720E+01	-4.049040E+00	-1.210190E+01	-1.159130E+01
	18	-1.044570E+02	-2.5707170E+02	-5.767100E+02	-1.1267530E+02	-1.7061710E+01	-4.072000E+02	-1.072000E+01
	19	-1.013490E+02	-4.102400E+01	-4.970400E+02	-1.0092510E+02	-1.086040E+02	-1.344430E+02	-1.305350E+01
	20	-1.404510E+03	-2.7037410E+02	-1.2726700E+02	-4.0423150E+01	-1.133010E+02	-2.1218040E+02	-7.402300E+01
	21	-6.714000E+02	-2.0411070E+03	-1.7027000E+03	-1.0276750E+02	-1.0276750E+02	-1.1912510E+02	-4.702400E+01
	22	-1.0045310E+03	-1.1535570E+03	-4.091370E+03	-1.0048010E+03	-0.1302350E+00	-3.0030370E+02	-3.024010E+02
	23	-1.0079140E+03	-1.104030E+02	-2.044030E+02	-1.104030E+02	-1.104030E+02	-4.00020E+01	-4.00020E+01
	24	-0.145705E+03	-2.051510E+03	-2.1457040E+03	-1.740020E+02	-1.107510E+02	-4.108253E+02	-2.3040120E+02
	25	-2.704000E+03	-3.5274010E+03	-7.021610E+03	-1.0043420E+02	-3.1050420E+02	-3.0217320E+02	-1.030330E+02
	26	-2.0002010E+03	-2.002030E+03	-1.1362070E+03	-2.074430E+03	-3.4345030E+02	-1.261330E+03	-1.1147000E+03
	27	-0.102450E+02	-2.0401170E+03	-7.100240E+03	-2.540470E+03	-3.030710E+03	-2.741800E+03	-2.741800E+03
	28	-2.012700E+03	-6.727200E+03	-3.5040130E+03	-6.7310130E+02	-4.4007010E+01	-8.126010E+02	-1.031400E+02
	29	-3.057000E+03	-6.059140E+03	-1.124570E+03	-3.104570E+03	-4.000500E+02	-4.024000E+02	-1.114700E+02
	30	-1.0045310E+03	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02
	31	-1.0045310E+03	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02
	32	-1.0045310E+03	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02
	33	-1.0045310E+03	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02
	34	-1.0045310E+03	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02
	35	-1.0045310E+03	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02
III	36	-1.0045310E+03	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02
	37	-1.0045310E+03	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02
	38	-1.0045310E+03	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02
	39	-1.0045310E+03	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02
	40	-1.0045310E+03	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02
	41	-1.0045310E+03	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02
	42	-1.0045310E+03	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02
	43	-1.0045310E+03	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02
	44	-1.0045310E+03	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02
	45	-1.0045310E+03	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02
	46	-1.0045310E+03	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02
	47	-1.0045310E+03	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02
	48	-1.0045310E+03	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02
	49	-1.0045310E+03	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02
	50	-1.0045310E+03	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02
	51	-1.0045310E+03	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02
	52	-1.0045310E+03	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02
	53	-1.0045310E+03	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02
	54	-1.0045310E+03	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02
IV	55	-1.0045310E+03	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02
	56	-1.0045310E+03	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02
	57	-1.0045310E+03	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02
	58	-1.0045310E+03	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02
	59	-1.0045310E+03	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02
	60	-1.0045310E+03	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02
	61	-1.0045310E+03	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02
	62	-1.0045310E+03	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02
	63	-1.0045310E+03	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02
	64	-1.0045310E+03	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02
	65	-1.0045310E+03	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02
V	66	-1.0045310E+03	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02
	67	-1.0045310E+03	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02
	68	-1.0045310E+03	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02
	69	-1.0045310E+03	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02
VI	70	-1.0045310E+03	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02
	71	-1.0045310E+03	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02
VII	72	-1.0045310E+03	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02
	73	-1.0045310E+03	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02
VIII	74	-1.0045310E+03	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02
	75	-1.0045310E+03	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02
IX	76	-1.0045310E+03	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02
	77	-1.0045310E+03	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02	-1.104030E+02

Table B.22 Coefficients to Represent the Global Variation of the Median Value of foF2 for October 1978 (Continued)

[illegible]

Table B.23 Coefficients to Represent the Global Variation of the Median Value of foF2 for November 1978

HARMONIC		0	1	2	3	4	5	6
S	K	0	1	2	3	4	5	6
		0	1	2	3	4	5	6
I	0	.10152740E+02	-.52661970E-01	-.34722770E-01	-.57952410E-01	.19935740E-01	-.67835500E-01	-.19662600E-01
	1	.46895140E+00	-.2411170E+01	.6862110E+00	-.43380180E+00	.15884900E+00	.17465340E+00	-.39047620E+00
	2	.35764090E+02	.17464810E+01	-.23179310E+01	.20868010E+01	-.98462400E+00	.16473110E+01	-.15644900E+00
	3	.29193450E+02	.45110840E+02	.36114790E+01	.66776420E+01	.47446710E+01	-.63323540E+01	.92037350E+01
	4	-.18192310E+03	.62702550E+01	.10291407E+02	-.14307720E+02	.10422100E+02	-.10168720E+02	.30996850E+01
	5	-.29277140E+03	-.24309020E+03	-.39406180E+02	-.30731350E+02	-.27380200E+02	.30153330E+02	-.44503000E+02
	6	.32502540E+03	-.41031970E+02	-.14495410E+02	.41515740E+02	-.25625400E+02	.25131050E+02	-.13674150E+02
	7	.85055740E+03	.93539540E+03	.79743400E+02	.36311260E+02	.51942130E+02	-.73866330E+02	.88919300E+02
	8	-.71133500E+03	.49782550E+02	.10665890E+02	-.51937750E+02	.30474150E+02	-.26853900E+02	.19736780E+02
	9	-.4786140E+03	-.51455130E+03	-.56547900E+02	-.43848640E+02	-.37754400E+02	.65026190E+02	-.77881570E+02
	10	.07292310E+02	-.16305710E+02	-.39691510E+01	.22810210E+02	-.11323700E+02	.10376840E+02	-.91338200E+02
	11	.40140480E+03	.17997130E+03	.11621690E+02	.12186090E+02	.78275750E+01	-.19228210E+02	-.75292720E+02
II	12	-.51891780E+00	.15142320E+01	.19283050E+01	.13292720E+00	.9436040E+01	.26537490E-01	-.39486900E-01
	13	-.55311850E+00	-.22492940E+01	.15135490E+01	-.23421920E+00	.27390170E+00	-.71446240E-01	-.81086550E-01
	14	-.1343240E+00	.19584260E+00	.30518140E+01	-.26328150E+00	.17372850E+01	-.45564030E+00	.17192740E+00
	15	-.1271140E+01	.39004180E+00	.72364030E+00	-.13730480E+01	-.91338280E+00	.98192380E+01	.73502880E+00
	16	.18408700E+02	-.13585570E+02	-.13585570E+02	-.35070200E+01	.36751210E+01	-.72744910E+00	.59197530E+00
	17	.25791840E+01	.21892520E+02	.14663200E+02	-.10713570E+01	-.34664480E+01	-.44876550E+01	.33520330E+01
	18	.2896610E+02	.54574570E+02	.46510170E+02	-.1947300E+02	-.1129450E+02	.10331070E+01	-.55299450E+01
	19	.60259940E+02	-.45454480E+01	.25946220E+02	.94392750E+01	.15875200E+01	.80845370E+01	-.13456540E+02
	20	-.74991790E+02	-.21224650E+02	.12929580E+03	.14467030E+02	-.22142430E+02	.84703050E+01	-.40986520E+01
	21	.44449170E+02	.19728910E+03	.37947630E+02	.14711000E+02	.63009530E+01	.5110000E+01	-.25670850E+02
	22	-.12207730E+03	.36526550E+03	.1069100E+03	.15869360E+03	.50894530E+02	.16027510E+02	.31666070E+02
	23	-.31670540E+03	.11577260E+03	-.17742750E+03	-.33146780E+02	-.56612090E+01	-.57554300E+02	.78889780E+02
	24	.14506190E+03	.17084780E+03	-.37612340E+03	-.24304870E+02	.44868350E+02	.25347930E+02	.71287370E+02
	25	-.72113290E+03	.52974950E+03	-.4122320E+03	-.42111910E+02	.5846440E+01	-.2313290E+02	-.1315180E+02
	26	.14725760E+03	.83416100E+03	-.12817770E+04	-.42306630E+03	-.15118690E+03	-.68868040E+02	-.70022730E+02
	27	.61005830E+03	.50072070E+03	.42271470E+03	.69985870E+02	.53147740E+02	.15792910E+03	-.18928910E+01
	28	-.5914160E+03	.37149300E+03	.6808270E+03	.18184100E+02	-.41347660E+02	.23819200E+02	-.33573940E+01
	29	.3270109E+03	-.55697610E+03	.75178740E+03	.48807150E+02	-.17307270E+02	.31554320E+02	-.10974870E+03
	30	.95203360E+01	-.8004441E+03	.14525370E+04	.47681900E+03	.21465190E+03	.93500340E+02	.64797470E+02
	31	-.49671170E+03	-.70293030E+03	-.42369240E+03	-.76639180E+02	-.1032120E+03	-.18676570E+03	-.20609770E+03
	32	.13141590E+03	-.20901440E+03	-.21338070E+03	-.54638340E+01	.17697950E+02	-.67811970E+01	-.82472610E+01
	33	-.16092120E+03	.24248300E+03	.40359280E+03	-.20543760E+02	.75530670E+01	-.13860560E+02	-.3223820E+02
	34	-.70293590E+02	.27497750E+03	-.75326410E+03	-.19288030E+03	-.10537340E+03	-.43123010E+02	-.20339760E+02
	35	.14644550E+03	.32225160E+03	.15997020E+03	.31647850E+02	.37478760E+02	.82195460E+02	-.77713610E+02
III	36	.24061610E+03	-.71219240E+03	.87167020E+01	-.78697850E+00	.75612700E+00	-.68952070E-01	-.15314160E+00
	37	.13051510E+00	-.14246540E+00	-.41241870E+00	-.7297780E+00	-.74371280E+00	-.57348330E+00	-.2762740E-01
	38	.13312940E+01	.72170260E+00	.10127940E+01	-.21391410E+01	.11855380E+01	.8691490E+00	-.15341470E+00
	39	.80695120E+00	.12724820E+00	.24146270E+01	-.68931060E+00	-.19617630E+01	.44552700E+00	.15568360E+01
	40	-.3683610E+01	-.10247140E+02	-.98469570E+01	-.12434130E+02	.51174180E+01	.37294800E+00	.8150810E+00
	41	.304891380E+01	.70705900E+01	.11981840E+02	-.44400990E+01	-.12532520E+02	-.25495400E+01	.8150490E+00
	42	-.8448670E+01	-.31432350E+01	-.11975530E+02	-.11876100E+00	-.78328970E+01	-.52974400E+01	-.18276240E+01
	43	-.31550900E+01	.20007210E+01	-.24731600E+02	.51153710E+01	-.25490300E+01	.15622760E+01	-.99195130E+01
	44	.21122110E+02	.20911570E+02	-.35478310E+02	.70652270E+02	-.21004030E+02	-.50979490E+01	.13698370E+01
	45	.24654400E+02	.16847050E+02	-.39912000E+02	.12542160E+02	.68953260E+02	-.15555910E+02	-.10566890E+02
	46	.14705110E+02	.75096410E+02	.2952230E+02	.12596800E+02	.83629410E+01	.11712890E+02	.71271730E+01
	47	.31837670E+01	.29763630E+01	.7512500E+02	-.1817300E+01	.23645370E+02	.22301410E+01	.20696130E+01
	48	-.2859440E+02	.47828520E+01	.16588890E+03	-.1259690E+03	.21537850E+02	.12954980E+02	-.83299010E+01
	49	.50849430E+02	.39894140E+01	.12708270E+03	-.21621740E+01	-.11830520E+03	.31281540E+02	.29844100E+02
	50	.70274220E+01	.28874550E+01	-.1860790E+02	-.67830610E+01	.64799400E+01	-.8721560E+01	-.68143040E+01
	51	-.1121510E+01	-.10002490E+02	-.36192080E+02	-.22029070E+01	-.19042790E+02	-.18718910E+01	-.13813210E+02
	52	.2413450E+01	.10586180E+02	.11384180E+03	.7212700E+02	-.4239870E+00	.13251130E+02	.72789180E+01
	53	.40627880E+02	.11140280E+02	-.4659760E+02	-.15351390E+02	.68951770E+02	-.19761570E+02	-.22764260E+02
IV	54	-.21515590E+00	.15676190E+00	-.22505940E+00	.11070140E+00	.14946500E+00	-.3161400E+00	-.49352350E+00
	55	.59778820E-02	.59902230E-02	.17483400E+00	-.11299069E+00	.18068870E+00	.99254440E-02	-.21124080E+00
	56	.8408400E+00	.33707180E+00	-.1580590E+00	.26491530E+00	.1564540E+00	-.33902830E+00	-.49590720E+00
	57	.6384080E+00	-.24722300E+00	-.31959010E+00	-.19440380E+00	.73401620E-01	.1198554E+01	-.37454370E+00
	58	.26093840E+01	.35082200E+00	.71216390E+00	-.17763820E+01	.28015210E+00	.17244420E+01	.35534740E+00
	59	.79348230E+00	.19117110E+01	-.17929030E+01	-.64442550E+00	-.24313380E+01	-.11117780E+01	.38188340E+00
	60	-.23922200E+01	-.41626500E+00	-.72660770E-01	-.13617610E+00	-.27906760E+00	-.48502720E+00	.15797390E+01
V	61	-.22711860E+01	.14366400E+01	.13227430E+01	.29395760E+00	.42140110E+00	-.24637130E+01	-.72497960E+00
	62	.35375940E+01	.30291280E+01	.10158490E+00	.25328290E+01	-.18474740E+01	.30895970E+01	-.81713410E+01
	63	-.58710570E+00	-.24224780E+01	.65113140E+01	.18094580E+01	.44369610E+01	.45908090E+00	-.11033610E+01
	64	-.42513340E+02	.10135120E+00	.26799670E+01	.45160040E+02	.24517420E+01	-.21378150E+01	.17997610E+01
VI	65	-.33794750E-01	.62749910E-01	.30018250E+00	-.11132810E+00	-.44339540E-01	-.1509480E+01	-.74557580E-02
	66	.71737370E-02	.20875120E+00	.58919400E-01	.94761840E-01	.10312820E-01	-.10186930E-01	-.14848940E-01
	67	.10022770E-01	.12551920E+00	.27961580E+00	-.18385970E+00	.12479190E+00	-.22615240E-01	.15671540E+00
VII	68	-.5319490E-01	.12387540E-01	.78466430E-01	.17517750E-01	.75507100E-01	-.23464000E-01	-.41652880E-01
	69	-.51176120E-01	-.27776500E-01	.11695280E+00	-.22997410E-01	-.15272010E-01	.6795120E-07	-.62164510E-01
VIII	70	.10024040E-01	.23519640E-01	.66159420E-01	.14896630E-01	-.35223110E-01	-.18040750E-01	.4780596E-07
	71	-.70106410E-01	.46704050E-01	.93146110E-01	-.41717800E-02	.34617270E-01	-.34423180E-01	-.4025350E-01
IX	72	-.61116340E-01	.12556040E-01	-.47513370E-02	-.36629330E-01	-.23436410E-01	-.28046630E-02	-.13583330E-01
	73	-.12959210E-01	.15009290E-01	.22919050E-01	-.10102740E-01	.3154490E-01	-.13802930E-01	-.12752120E-01
X	74	-.10576800E-01	.24994410E-01	.27549720E-01	-.28709280E-01	-.39594000E-02	-.1240192E-01	.37081980E-01
	75	-.1707540E-01	.43711730E-01	.46368770E-01	.42749110E-01	.25302530E-01	.147207530E-07	-.11970310E-01

Table B.23 Coefficients to Represent the Global Variation of the Median Value of foF2 for November 1978 (Continued)

HARMONIC		4		5		6	
	$\frac{S}{K}$	7	8	9	10	11	12
I	0	.73022340E+02	.28243000E+02	-.70062480E+02	-.27675740E+01	-.15709980E+01	.18751370E+01
	1	.10809270E+00	-.14645940E+00	-.00003020E+01	-.13112730E+01	.54339590E+01	-.23510210E+02
	2	.69349320E+00	-.11292000E+00	-.46804980E+01	.51784120E+00	.17409050E+00	-.41892350E+03
	3	-.30006910E+00	.12322120E+01	.13151810E+01	.97393980E+00	-.34494840E+00	.61174200E+01
	4	-.32845980E+01	.20873050E+01	.10364120E+01	-.88506220E+00	.93327420E+01	.20433500E+01
	5	-.10529270E+01	-.30205120E+01	-.43894430E+01	-.8207840E+01	.89627710E+01	-.23757980E+02
	6	.17466130E+02	-.35018640E+01	-.61081880E+01	-.28291450E+01	-.24211320E+01	-.40764270E+01
	7	.91498340E+01	.38623500E+01	.51796240E+01	.43887440E+01	.30737300E+02	.48090680E+02
	8	-.23079500E+02	.17104700E+01	.71624550E+01	.73142570E+01	.61545910E+01	.16556630E+01
	9	-.12863440E+02	-.23954230E+01	-.10380100E+01	-.17373450E+01	.43934135E+00	.43444440E+02
	10	.16011650E+02	-.35150180E+01	-.28537850E+01	-.4117840E+01	-.34500110E+01	.12854000E+01
	11	.67749340E+01	.49445900E+00	-.4197640E+00	-.64293010E+00	-.59111740E+00	.14293500E+02
II	12	.24708440E+01	.20704800E+01	-.31491180E+01	.42170510E+01	-.26597740E+01	.08782110E+01
	13	-.29053480E+01	-.35813800E+01	.44923440E+01	-.63091000E+01	-.53421410E+01	-.10462930E+02
	14	.03937570E+01	-.13326180E+00	-.3317320E+00	-.53372850E+01	-.89262010E+01	-.13170120E+00
	15	.23333970E+00	-.10719470E+00	-.1461960E+00	.44836700E+00	.22307470E+00	.20929510E+00
	16	-.16488710E+00	.72319870E+00	.22175130E+01	-.94484140E+00	.90942310E+00	.12954410E+01
	17	.14518940E+01	.07187430E+00	-.15075400E+01	.20085720E+01	.14633130E+01	-.13812200E+02
	18	.00019370E+00	.17508400E+01	.64531740E+01	-.13982800E+01	.15571830E+01	.64367380E+01
	19	-.95999320E+01	.01171390E+01	.41591430E+00	.94546010E+01	-.64065110E+01	.37704770E+01
	20	-.28045310E+01	.2493690E+01	.1459910E+02	-.45780160E+01	.8305180E+01	.7714340E+01
	21	.11146110E+02	-.11397180E+02	.13931370E+02	-.1235040E+02	-.72544850E+01	.22881100E+00
	22	-.7924080E+01	-.82700570E+01	-.40820210E+02	.6475420E+01	-.53223750E+01	.3327766E+02
	23	.49744410E+02	.74094260E+02	.92233160E+00	.62584940E+02	.2724180E+02	.19600750E+02
	24	.14701630E+02	.15115640E+00	.36638020E+02	-.5504130E+01	.2715420E+02	.20827320E+02
	25	.38094410E+02	.46114610E+02	-.38184140E+02	.22806150E+02	.1527530E+02	.50789310E+01
	26	.2110480E+02	.2738880E+02	.10727710E+01	-.1841700E+02	.2184290E+01	.77009760E+02
	27	-.14909350E+01	.22008050E+01	-.13259700E+01	-.16208120E+01	.77541950E+01	.41138120E+02
	28	-.49227040E+02	.1088240E+02	.63941330E+02	.30464880E+00	-.35759650E+02	.25764440E+02
	29	-.48205310E+02	-.67841670E+02	.46344210E+02	.27273280E+02	-.15334670E+02	.4903010E+01
	30	-.24252420E+02	-.4419830E+02	-.1249190E+02	.13332040E+02	.5494470E+01	.6174960E+02
	31	.20911340E+03	-.2797470E+03	-.17817080E+03	.18325480E+03	.72951010E+02	.3763240E+03
	32	.18343670E+02	.0313400E+03	.26788420E+02	.25009710E+01	.17729120E+02	.12144710E+02
	33	.22356440E+02	.3223120E+02	-.14793190E+02	.9104150E+01	.63679410E+01	.2491850E+01
	34	.10341240E+02	.2440110E+02	.53487170E+02	-.33992480E+01	-.57379450E+02	.32243740E+02
	35	-.40554970E+02	.1291970E+03	.18122000E+01	-.75200550E+02	-.31444750E+02	.12452540E+02
III	36	-.58196220E+01	-.77931440E+01	.10924380E+00	-.63723670E+01	-.41912140E+01	-.6609100E+01
	37	-.22144670E+01	.9510270E+02	-.43802740E+01	.7188030E+01	.72741890E+02	.1022130E+01
	38	.14283940E+00	.15775470E+00	-.36607470E+01	-.17437220E+00	.1434710E+00	.1049410E+03
	39	-.17144260E+00	.34981240E+01	.12240970E+00	-.23909980E+00	.42203920E+01	.13267520E+03
	40	.62427480E+00	-.34791830E+00	-.10944150E+01	.94801150E+00	.52394570E+02	.18159420E+01
	41	.14246590E+01	-.27611970E+00	.11723640E+01	-.13767120E+01	.7994960E+01	.23836740E+03
	42	-.38496340E+00	.64493720E+00	.13107590E+01	.12467570E+01	-.2404572E+01	.4912840E+00
	43	-.9091940E+01	.71119280E+00	-.1312820E+01	.77299140E+01	.10572040E+01	.18078750E+01
	44	-.52014240E+01	.28182480E+01	.10239630E+02	-.14037170E+01	-.27911010E+01	.10530130E+02
	45	-.95977230E+01	.40074320E+00	-.3943840E+01	.4505580E+01	-.20722630E+01	.1779044E+01
	46	.44199130E+00	-.51432720E+01	-.30343110E+01	-.13240540E+01	.10340590E+01	.18199180E+01
	47	.27031880E+01	-.34481620E+01	.3108040E+01	-.73846610E+01	.2494240E+01	.52351150E+01
	48	.11272730E+02	-.1976490E+01	-.1456120E+02	-.10495110E+02	-.4989380E+01	.21341210E+02
	49	.0180940E+01	-.4483160E+00	.4037180E+01	-.1088010E+02	.1232537E+02	.3336175E+01
	50	.11649610E+00	.3093774E+01	.4349314E+01	-.4681300E+01	.5873400E+00	.13027270E+01
	51	-.30494810E+01	.43461840E+01	-.23750730E+01	.17111730E+01	-.2244460E+01	.41102140E+01
	52	-.74021740E+01	-.39828710E+00	.12058170E+02	.12017240E+01	-.24922990E+01	.13164640E+02
	53	-.4660316E+01	.66329840E+00	-.43732480E+01	.5319544E+01	-.54546550E+01	.2244540E+01
IV	54	.11522850E+00	-.37627060E+01	.97779130E+01	.2419230E+01	-.1225679E+01	-.21863120E+02
	55	.18239470E+01	.10174530E+00	-.79623420E+01	-.2114280E+02	-.2759191E+01	.10944920E+02
	56	-.13070430E+00	.45079140E+00	-.14601180E+01	-.40093040E+01	-.3742180E+01	.8440500E+01
	57	-.46840940E+00	-.20163780E+00	.13314930E+00	.9733750E+01	-.84400130E+01	.13047920E+00
	58	.61732440E+00	.1291649E+00	.15462770E+00	-.1413930E+00	.2113180E+00	.6479374E+01
	59	-.20456320E+00	.7798840E+00	.3340084E+00	.1302424E+00	-.6365180E+01	.1129244E+03
	60	.4290903E+00	-.6840640E+00	-.20705320E+01	.8033794E+01	-.5027400E+01	.2417440E+02
	61	.74081280E+00	.42971850E+00	-.2896234E+00	-.1972000E+01	.1137443E+00	.2041375E+00
V	62	-.14546330E+01	.13260220E+00	.25667770E+00	.34428440E+00	.4523107E+01	.1162746E+02
	63	.23271120E+00	-.1752086E+01	-.15400610E+00	.2961441E+00	.2747953E+00	.0313742E+01
	64	.24676730E+00	-.2654667E+00	-.16799110E+01	.14030620E+01	.1927799E+01	-.4279343E+02
VI	65	.27798240E+00	.25046130E+00	.9341650E+00	-.4710780E+01	.2459474E+01	-.5813610E+02
	66	.1761607E+00	-.37030710E+00	.3494091E+01	.4442042E+00	-.1813742E+00	.4908244E+01
	67	.50210230E+00	.1213330E+00	.6724095E+00	.1547031E+01	-.3153197E+01	-.1232613E+01
VII	68	-.12501380E+00	-.1864028E+00	.1393647E+00	.2400961E+00	.1533614E+01	.2494143E+01
	69	.4590896E+00	-.1274959E+00	-.2461944E+00	.1400414E+00	-.1817972E+01	.2039914E+02
VIII	70	-.2466510E+01	-.2547714E+01	.4394642E+01	-.2741740E+01	-.1194492E+01	.1194492E+01
	71	-.7467661E+01	-.2492042E+01	.2040607E+01	.3767246E+01	-.1111794E+01	-.1179974E+01
IX	72	.2290781E+01	-.2884350E+01	.1305113E+01	-.2649132E+01	-.3217444E+01	-.4079444E+01
	73	.1367449E+01	-.2447411E+01	.2734240E+01	.3057931E+01	-.1727392E+01	.1112232E+01
X	74	.1306910E+01	-.1933974E+01	.7215730E+01	-.1524113E+01	.3971111E+01	.9364044E+01
	75	.5337740E+01	-.1227910E+01	-.4640105E+01	-.1427474E+01	-.1973724E+01	.1397332E+01

Table B.24 Coefficients to Represent the Global Variation of the Median Value of foF2 for December 1978

HARMONIC		0	1	2	3	4	5	6
S	K	0	1	2	3	4	5	6
		0	1	2	3	4	5	6
I	0	-.9945340E+01	-.1863226E+00	-.2306774E+00	-.4468967E-01	.3335570E-01	.4351971E-01	-.1117857E-01
	1	-.4761701E+00	-.1158737E+01	.5346184E+00	-.4080649E+00	-.4321210E+00	.6189810E-01	-.3731151E+00
	2	.1408714E+02	.3184040E+01	-.1746884E+01	.2413678E+01	.9772787E+00	-.1228330E+00	.1849300E+00
	3	.3449396E+02	.2261118E+02	.5842800E+01	-.4463370E+01	.1053227E+02	-.4164032E+01	-.4936513E+01
	4	-.1020018E+03	-.1675813E+01	.1639807E+02	-.1670170E+02	-.1934110E+01	-.2522050E+01	-.1155922E+01
	5	-.2749572E+03	-.1414943E+02	-.9133390E+02	.2824480E+02	-.3241430E+02	.2399337E+02	.2232230E+02
	6	.1484975E+03	-.1689342E+02	-.3373742E+02	.4031191E+02	.3740771E+02	.1107280E+02	.3132744E+02
	7	.7217577E+03	.1505849E+03	.1020211E+03	-.5187548E+02	.1219929E+03	-.4744474E+02	-.4784913E+02
	8	-.1327467E+04	-.2387037E+02	.2824878E+02	-.5901613E+02	.3340035E+03	-.1527080E+02	-.4280112E+02
	9	-.7864953E+03	-.2674972E+03	-.7139149E+02	-.4871421E+02	-.8501900E+02	.3824027E+02	.6768830E+02
	10	-.2594310E+02	-.5845340E+01	-.8454410E+01	.2600710E+02	-.2579234E+01	.6889279E+01	.2091699E+01
	11	.3082820E+03	-.1377359E+03	.1442234E+02	-.1709335E+02	.2479538E+02	-.1073480E+02	-.1774537E+02
II	12	-.3405147E+00	.2021440E+01	.1443601E+01	.1856101E-01	.2053490E+00	.5267366E-01	-.8022642E-01
	13	-.5015925E+00	-.2262799E+01	.1467275E+01	-.1208158E+01	.3422340E-01	.4326870E-01	-.7308822E-01
	14	-.8201724E+00	-.3591224E+00	.5463511E+01	-.8599820E+00	.3753444E+00	-.1748167E+01	.1081270E+01
	15	-.3567147E+01	-.2023860E+01	.4686747E+00	-.1486494E+01	-.2577172E+00	-.4301353E+00	-.4932004E-01
	16	.1234941E+02	.6491040E+01	-.7470390E+01	-.4363544E+01	.2183080E+01	-.8564450E+00	-.1599141E+01
	17	-.1460938E+02	-.3279400E+02	.1108737E+02	.1773479E+01	-.6473140E+01	.1192051E+01	-.6901628E+00
	18	-.1306016E+02	.2668463E+02	-.8933674E+02	-.1747365E+02	.1763174E+01	.2124940E+02	.1746711E+02
	19	.7895828E+02	.1892363E+02	.6849010E+01	.2368424E+02	-.4004550E+02	-.1478350E+02	-.1746711E+02
	20	-.6247109E+02	-.1484974E+01	-.6478710E+02	.3480942E+02	-.2790130E+02	.3211971E+01	.1231139E+02
	21	-.9248400E+02	-.1619000E+03	.1436195E+02	-.8303160E+01	-.1104320E+02	.1253410E+02	-.1072887E+02
	22	.1218503E+03	-.2107140E+03	.9934667E+03	.1140440E+03	-.1838140E+02	-.9440160E+02	.8942080E+02
	23	-.4154433E+03	-.3249188E+03	.6726593E+03	-.1501530E+03	.2592120E+02	-.9243770E+02	.2514742E+02
	24	.1433880E+03	-.1419225E+03	-.1722749E+03	-.1193204E+03	.9267942E+02	-.2132102E+01	-.1844490E+02
III	25	-.1940466E+03	.4052046E+02	-.2495195E+03	.2414673E+02	.4455940E+02	-.4229480E+02	-.4465746E+02
	26	-.1444131E+03	.1481410E+03	-.1597130E+03	-.2982960E+03	.1221474E+02	.1927304E+03	-.1484974E+03
	27	-.8495344E+03	.4843661E+03	-.1306017E+03	.4104673E+03	-.1649194E+02	.2370440E+03	-.9733667E+02
	28	-.1491232E+03	.2819461E+03	.2192705E+03	.1617272E+03	-.1232221E+03	-.5549790E+01	.4337630E+02
	29	.2481749E+03	-.4956418E+03	.5771151E+03	-.3286423E+02	.3173115E+02	.1695461E+02	-.7470201E+02
	30	.5072895E+03	-.5716737E+03	.1894407E+04	.3281840E+03	.2254480E+02	-.1824940E+03	.1740731E+03
	31	-.8327814E+03	-.1209081E+04	.2323715E+03	-.4938636E+03	-.1598017E+03	-.2470530E+03	-.1170171E+03
	32	-.6354164E+03	-.1842805E+03	-.1102841E+03	-.7487828E+02	.4031139E+02	.6209758E+02	-.2042220E+02
	33	-.1110720E+03	.2223897E+03	-.3374920E+03	.1559148E+03	.1669918E+02	-.2626403E+02	.3875100E+02
	34	-.2403815E+03	.2740313E+03	-.8081532E+03	-.1289020E+03	-.2036400E+02	.6484665E+02	-.6312098E+02
	35	.2905919E+03	.7234018E+03	-.1369420E+03	.2136830E+03	.1773530E+02	.1046247E+03	-.5102096E+02
IV	36	.2041006E+00	-.6849620E+00	.1129742E-01	-.4494918E+00	.7420982E+00	-.2784285E-01	-.2541110E+00
	37	.1674949E+00	-.6493858E-02	-.2325032E+00	-.7598912E+00	-.7321930E+00	.2010094E+00	.2932077E-01
	38	.7201215E+00	-.4513103E+00	.2641759E+00	-.2143302E+01	.7721394E+00	.1432340E+00	-.2218172E+00
	39	-.1204427E+01	.1041877E+00	.1344023E+01	-.7127020E+00	-.2084760E+01	.1407937E+00	.3390003E+00
	40	-.3634943E+01	.6749002E+01	-.2646040E+01	-.1159446E+02	.6410140E+01	.1092803E+01	.1577496E+01
	41	-.9863999E+01	.1467163E+01	.6677933E+01	-.3907824E+01	-.7840330E+01	.6331510E+01	.1355910E+01
	42	-.9171897E+01	.6941370E+01	-.3316780E+01	.2849771E+01	-.2748220E+01	-.1234210E+01	-.4040713E+01
	43	.1744910E+01	.1822568E+01	.3546817E+01	.1737332E+01	.2960418E+01	-.4632414E+01	-.1739471E+01
	44	.1463224E+02	-.1795082E+02	-.2173110E+02	.7077230E+02	-.1770400E+02	-.1463364E+02	-.3313634E+01
	45	.4514251E+02	.2280412E+02	.1021480E+02	.1487030E+02	.4937320E+02	-.8147861E+02	-.8088480E+01
	46	.2047517E+02	-.3324470E+02	.1007179E+02	.3959178E+01	-.1344091E+01	.3034880E+01	.3088610E+01
	47	-.1930808E+02	.3259771E+02	.4324147E+02	.4052623E+02	.3005130E+01	.1921551E+01	.1255910E+01
V	48	-.3257113E+02	.2174467E+02	.8740680E+02	-.1330721E+02	.1837201E+02	-.4007080E+02	-.1460136E+02
	49	.7464338E+02	-.1678177E+03	.5880501E+02	-.1300378E+02	-.9155194E+02	.1817774E+02	.2312345E+02
	50	-.2103621E+02	.2679285E+02	-.3931461E+01	-.2575701E+01	.1131420E+01	-.2730420E+01	-.2377922E+01
	51	.1449405E+02	-.8262740E+01	-.3784122E+01	-.2411530E+02	-.3346114E+01	-.2754893E+01	.1246164E+01
	52	.1314232E+02	-.8740746E+01	-.7243931E+01	.8813670E+02	.2777843E+01	-.3027628E+02	.4948375E+01
	53	.4762844E+02	.6148496E+02	-.1760772E+02	-.1698287E+01	.9104931E+02	-.1419947E+02	-.1462416E+02
VI	54	-.1780794E+00	.1170637E+00	-.2731510E+00	.2894381E+00	.1234821E+00	-.1722746E+00	-.6337812E+00
	55	.3240734E+01	.2211810E+00	.9407508E+01	-.3400728E+01	.3284716E+00	.6934887E+00	-.5333038E+00
	56	.7464042E+00	.4280773E+01	-.1100978E+00	.1132490E+00	.2217911E+00	-.7336914E+00	-.4631002E+00
	57	-.2001389E+00	-.1472423E+00	-.2823918E+00	-.6449381E+01	.1246404E+00	.9795930E+00	-.3429892E+00
	58	.7212045E+00	-.1793026E+00	.2991327E+00	-.2334011E+01	-.9419017E+00	.1948348E+01	.7484230E+00
	59	-.1044131E+01	.4932237E+00	-.1571740E+01	.5624121E+00	-.2038400E+01	.5300222E+00	.1169274E+01
	60	-.1297808E+01	-.1448047E+00	.4512333E+01	.1527440E+00	-.4117540E+00	.4342210E+02	.1931822E+01
	61	-.1151740E+00	.4332341E+00	.7914430E+00	-.2240267E+01	.3187528E+01	-.1744368E+01	.7137464E+00
	62	-.1001470E+01	.2244101E+01	.3472777E+01	.3164734E+01	-.3454239E+01	.2494117E+01	.1947481E+01
	63	.1499136E+01	.9916070E+00	.5646568E+01	.1378175E+01	.3412107E+01	-.1635337E+01	-.1871375E+01
VII	64	.1704440E+01	.1633497E+01	.1061397E+00	.1849743E+01	.2039847E+01	-.1044247E+01	-.1757770E+01
	65	.2034881E+01	-.4720328E+01	.7646133E+01	-.7399726E+01	-.7317598E+01	.6794019E+01	-.3221344E+01
	66	.2844420E+01	-.8929917E+01	.1877822E+01	.1027791E+01	.7184743E+01	-.2889363E+01	.5222320E+01
	67	-.8209170E+01	.2271970E+01	-.1449818E+01	-.1076618E+01	.2774349E+01	.1224823E+01	.3388401E+01
VIII	68	.6735994E+01	-.4413870E+01	.1020820E+00	.4949418E+01	.1944110E+01	-.4022361E+01	-.1741780E+01
	69	.2974641E+01	-.3982790E+01	.8172427E+01	.6440731E+01	.4024210E+01	-.6421914E+01	-.1192919E+01
IX	70	.1875024E+01	-.6124745E+01	.3167612E+01	-.1394769E+01	.4337349E+01	-.2041136E+01	.3464491E+01
	71	.2391714E+01	-.4117944E+01	.2776496E+01	-.1944498E+01	.3934910E+01	-.2483394E+01	-.3277807E+01
	72	-.1014384E+00	.7401315E+00	.3740314E+00	-.4440372E+00	.1339171E+00	.3492844E+00	-.2734317E+00
	73	-.1077971E+00	-.3687991E+00	.1640494E+00	-.4780896E+00	.4712102E+00	.4284127E+00	-.2746227E+00
	74	-.1444433E+01	-.4400144E+01	-.1446622E+01	-.1440294E+01	.1144742E+01	.1207737E+01	.1729488E+01
	75	-.4491722E+01	.4491722E+01	.1146282E+01	.4919461E+01	-.1374499E+01	.1244774E+01	-.6123321E+01

Table B.24 Coefficients to Represent the Global Variation of the Median Value of foF2 for December 1978 (Continued)

HARMONIC		4		5		6	
	K/S	7	8	9	10	11	12
I	0	-.6737780E-01	-.16142350E-01	-.44401060E-01	-.27101420E-01	-.20034680E-01	-.41911320E-01
	1	-.70494130E+00	-.2016628E+00	-.46689040E+00	-.70407420E+00	-.25073690E+00	-.20714310E+00
	2	-.2330790E+00	-.20144120E+00	-.4875180E+00	-.73849850E+00	-.4251170E+00	-.1174903E+00
	3	-.1017070E+02	-.8861050E+00	-.5832100E+01	-.13689940E+01	-.1750870E+01	-.2394280E+01
	4	-.2331950E+01	-.69987180E+00	-.2433080E+01	-.83267610E+01	-.25439330E+01	-.2547523E+01
	5	-.4736590E+02	-.2329810E+01	-.3210750E+02	-.4318380E+01	-.17027710E+01	-.1063240E+02
	6	-.3066130E+01	-.7876290E+00	-.5401010E+01	-.10262840E+02	-.34086810E+01	-.7896470E+01
	7	-.69123710E+02	-.1333110E+02	-.40383150E+02	-.28148140E+01	-.4959750E+01	-.20514920E+02
	8	-.61109340E+01	-.26817960E+01	-.5459520E+01	-.2369980E+02	-.6174700E+01	-.9213350E+01
	9	-.8592500E+02	-.2151880E+02	-.3124470E+02	-.3291180E+01	-.9797707E+01	-.17509530E+02
	10	-.17328040E+01	-.1533050E+01	-.2057870E+01	-.1011754E+02	-.49991470E+00	-.7886970E+01
	11	-.2866950E+02	-.95277150E+01	-.8738608E+01	-.31750250E+01	-.4595150E+01	-.54828870E+01
II	12	-.88814250E-01	-.2818290E-01	-.38247450E-01	-.3117180E-02	-.7116240E-02	-.1373480E-01
	13	-.37644230E-01	-.10301240E-01	-.40087240E-01	-.13317470E-01	-.11944450E-01	-.4983820E-01
	14	-.1109570E+01	-.4927850E+01	-.12351040E+01	-.34265180E+00	-.45507760E+00	-.19010630E+02
	15	-.46597710E+00	-.4351900E+00	-.36774120E+00	-.4705610E+00	-.17710610E+00	-.3943500E+00
	16	-.87966030E+00	-.10774970E+01	-.90471310E+00	-.53904440E+00	-.24003180E+00	-.78263710E+00
	17	-.6197950E+00	-.41201520E+01	-.19359480E+01	-.64507240E+00	-.18049150E+01	-.1235420E+00
	18	-.18528450E+02	-.23247320E+01	-.20512740E+01	-.30527240E+01	-.38992810E+01	-.1092014E+01
	19	-.74608210E+01	-.61443980E+01	-.31304110E+01	-.92987350E+01	-.12183480E+01	-.53949430E+01
	20	-.2167870E+01	-.9045330E+01	-.13875080E+02	-.32809080E+01	-.14144050E+01	-.61513430E+01
	21	-.51578430E+01	-.33617750E+02	-.13588100E+02	-.23235210E+01	-.14103480E+01	-.3359440E+01
	22	-.43364420E+02	-.1038710E+02	-.11181140E+02	-.17897880E+02	-.2887650E+02	-.2518930E+01
III	23	-.4461140E+02	-.11887540E+02	-.25968040E+02	-.21050490E+02	-.62700970E+01	-.2914550E+02
	24	-.7505460E+00	-.26563370E+02	-.4758740E+02	-.19217480E+02	-.20014330E+01	-.2941210E+02
	25	-.1656240E+02	-.10610910E+03	-.4041270E+02	-.42831480E+01	-.4518640E+01	-.11493030E+02
	26	-.21347030E+03	-.11594450E+02	-.26875760E+03	-.40977630E+02	-.57444310E+02	-.1888836E+02
	27	-.12062440E+03	-.1148140E+02	-.58410780E+02	-.49252140E+02	-.28977240E+02	-.89172440E+02
	28	-.78071110E+01	-.31580240E+02	-.62596790E+02	-.27019780E+02	-.2354770E+02	-.4326452E+02
	29	-.23930260E+02	-.13949820E+03	-.32425840E+02	-.19287930E+02	-.4284370E+01	-.1303236E+02
	30	-.22634250E+03	-.37678130E+01	-.29002710E+03	-.44327350E+02	-.7414150E+02	-.28281390E+02
	31	-.14407370E+03	-.6019502E+00	-.62032240E+02	-.51883340E+02	-.7521090E+02	-.74314420E+02
	32	-.61396810E+01	-.1290300E+02	-.28149490E+02	-.12637440E+02	-.17093820E+01	-.22028820E+02
	33	-.12085770E+02	-.64250180E+02	-.24407980E+02	-.17118490E+02	-.10026210E+01	-.36200870E+01
IV	34	-.90641570E+02	-.20743090E+02	-.11806810E+03	-.1772740E+02	-.1074060E+02	-.11330770E+02
	35	-.65564220E+02	-.28450940E+01	-.23950580E+02	-.21588790E+02	-.1164640E+02	-.2929230E+02
	36	-.33343210E-01	-.33291750E-01	-.81670370E-01	-.21169740E-02	-.36029760E-01	-.26584730E-01
	37	-.11316940E-01	-.39761170E-01	-.30292390E-02	-.73830050E-01	-.17513220E-01	-.48031140E-01
	38	-.42011940E+00	-.2149060E+00	-.74902510E+00	-.1810410E+00	-.25002710E+00	-.14603210E+00
	39	-.27011670E+00	-.33914720E+00	-.6477920E+00	-.38199720E+00	-.44611800E-01	-.3640740E+00
	40	-.62644140E+00	-.1128210E+01	-.84977380E+00	-.93362510E-01	-.63171750E+00	-.13449340E+00
	41	-.13436300E+01	-.3286870E+00	-.22015520E+00	-.73289020E+00	-.80521770E+00	-.2464633E+00
	42	-.3326790E+01	-.37143750E+01	-.40267610E+01	-.18306010E+01	-.44885590E+01	-.8712280E+03
	43	-.14020910E+01	-.18442010E+01	-.1882490E+01	-.3137280E+01	-.15044970E+00	-.67128110E+01
	44	-.47860230E+00	-.41862410E+01	-.44800130E+01	-.1340132E+01	-.1852550E+01	-.5849720E+02
	45	-.3581290E+01	-.34461120E+00	-.21704320E+01	-.18971870E+01	-.67284720E+01	-.10382690E+01
V	46	-.7948660E+01	-.12112720E+01	-.1229460E+02	-.35441040E+01	-.10001250E+02	-.1737712E+01
	47	-.1799600E+01	-.11046230E+02	-.31334630E+01	-.7507297E+01	-.2114530E+01	-.1096430E+02
	48	-.13638750E+01	-.3664190E+01	-.10461430E+02	-.42797310E+01	-.4370310E+01	-.38492010E+01
	49	-.65241510E+01	-.20714750E+01	-.42310330E+01	-.17951440E+01	-.1600196E+02	-.2542340E+01
	50	-.3630910E+01	-.10212340E+02	-.62278180E+01	-.17319250E+01	-.44848820E+01	-.1239081E+01
	51	-.24976140E+00	-.13449310E+01	-.17160140E+01	-.96125470E+01	-.2758460E+01	-.78742050E+01
	52	-.20170170E+01	-.40498170E+00	-.78505980E+01	-.29297740E+01	-.31102210E+01	-.4182320E+01
	53	-.19477210E+01	-.14243230E+01	-.22912310E+01	-.1808050E+00	-.11553970E+02	-.2108950E+01
	54	-.40341790E-01	-.2720930E-01	-.1758240E-01	-.1932846E-01	-.4457450E-01	-.3405740E-01
	55	-.3427780E-03	-.9186110E-01	-.49628240E-02	-.42072180E-01	-.1971270E-01	-.3664050E-01
	56	-.2197980E+00	-.2327410E+00	-.60617420E-01	-.11814790E+00	-.12639420E+00	-.1066953E+00
VI	57	-.21606270E+00	-.21416440E+00	-.13371780E+00	-.13721490E+01	-.39611220E-02	-.4496180E-01
	58	-.6225940E+00	-.9510440E+00	-.30594610E+00	-.3758650E+01	-.3013040E+00	-.2786330E+00
	59	-.40973110E+00	-.84223210E+00	-.3368376E+01	-.2024676E+01	-.6715010E-01	-.4776180E+00
	60	-.36309430E+00	-.32356160E+00	-.4463740E+01	-.2663740E+00	-.2362910E-03	-.3087095E+00
	61	-.10097140E+00	-.43705840E+00	-.3718820E+00	-.9284180E+01	-.48889010E+02	-.1322460E+00
	62	-.16404830E+01	-.73447330E+00	-.7423142E+00	-.1872112E+00	-.7864772E+00	-.4167342E+00
	63	-.8346191E+00	-.17306130E+01	-.42974450E-01	-.14409760E+00	-.4923136E+01	-.1705741E+00
	64	-.1749880E+00	-.34360750E+00	-.44478350E-02	-.1871020E+01	-.4037550E-02	-.1187315E+01
	65	-.3167840E+00	-.17085640E+00	-.17365230E-01	-.1614440E-02	-.1999712E-03	-.4744813E-03
	66	-.21712730E-01	-.7249780E+00	-.27249840E-01	-.3963100E-01	-.7938920E-02	-.9184571E+01
	67	-.74240330E+00	-.4473460E+01	-.61337430E-01	-.3754093E+01	-.91141340E-01	-.7863247E+01
VII	68	-.43307070E-01	-.26899480E-01	-.21348230E-02	-.4073403E+00	-.3394942E-01	-.3123747E-01
	69	-.13379210E-01	-.94499210E-01	-.2728474E+00	-.1844038E+00	-.4442491E-01	-.3950322E-01
VIII	70	-.6360170E-01	-.2208620E-02	-.4247472E-01	-.6776435E-02	-.1349193E+00	-.1234942E+00
	71	-.7591922E-02	-.3694175E-01	-.9106471E-02	-.1589592E-01	-.7349473E-01	-.6915422E+00
IX	72	-.1439470E-01	-.72444430E-02	-.1762114E-01	-.3824790E-01	-.1319191E-01	-.3384917E-02
	73	-.27041480E-01	-.2107540E-01	-.1468973E-02	-.6499403E-01	-.1748072E-01	-.7127747E-01
	74	-.13179210E-01	-.2301047E-01	-.3097628E-01	-.7842460E-02	-.1321117E-02	-.2443941E-01
	75	-.11691640E-02	-.18911680E-01	-.2462797E-01	-.2264494E-01	-.4418132E-02	-.2721237E-01

APPENDIX C: CONTOUR TABLES OF THE GLOBAL REPRESENTATION OF THE MEDIAN
VALUE OF foF2 SELECTED MONTHS AND UNIVERSAL TIMES

This appendix provides examples of global maps of foF2 determined from the numerical coefficients derived in this study. Shown are contours of foF2 in MHz for 0600 and 1800 hrs universal time for the months of January, April, July, and October for solar minimum (1975/1976) and solar maximum (1978/1979) conditions. The maps illustrate the global variations of the median behavior of foF2 as a function of season and solar cycle. It is worthwhile noting that the gradients in foF2 are less steep on a global basis during the month of July (northern hemisphere summer) than during any other month of the year.

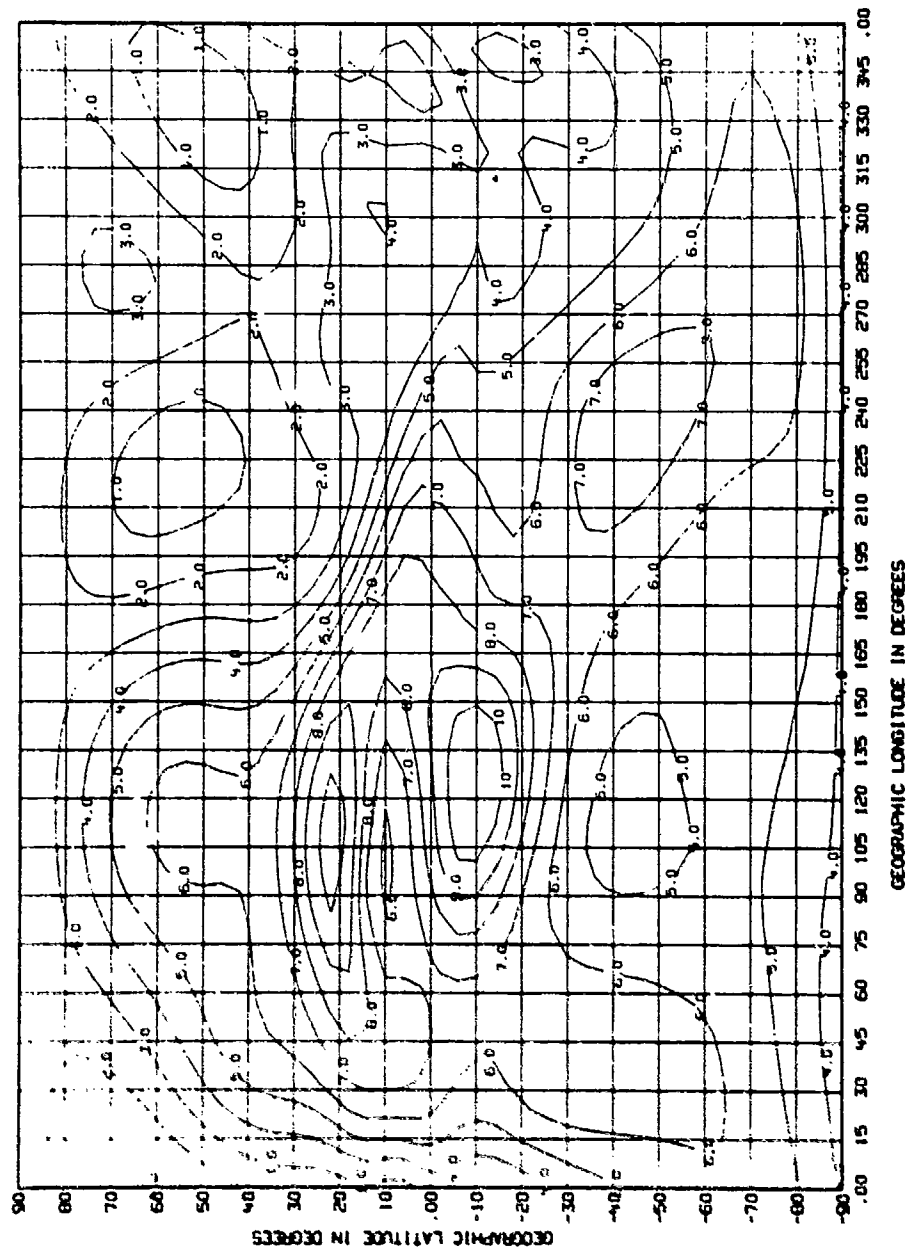
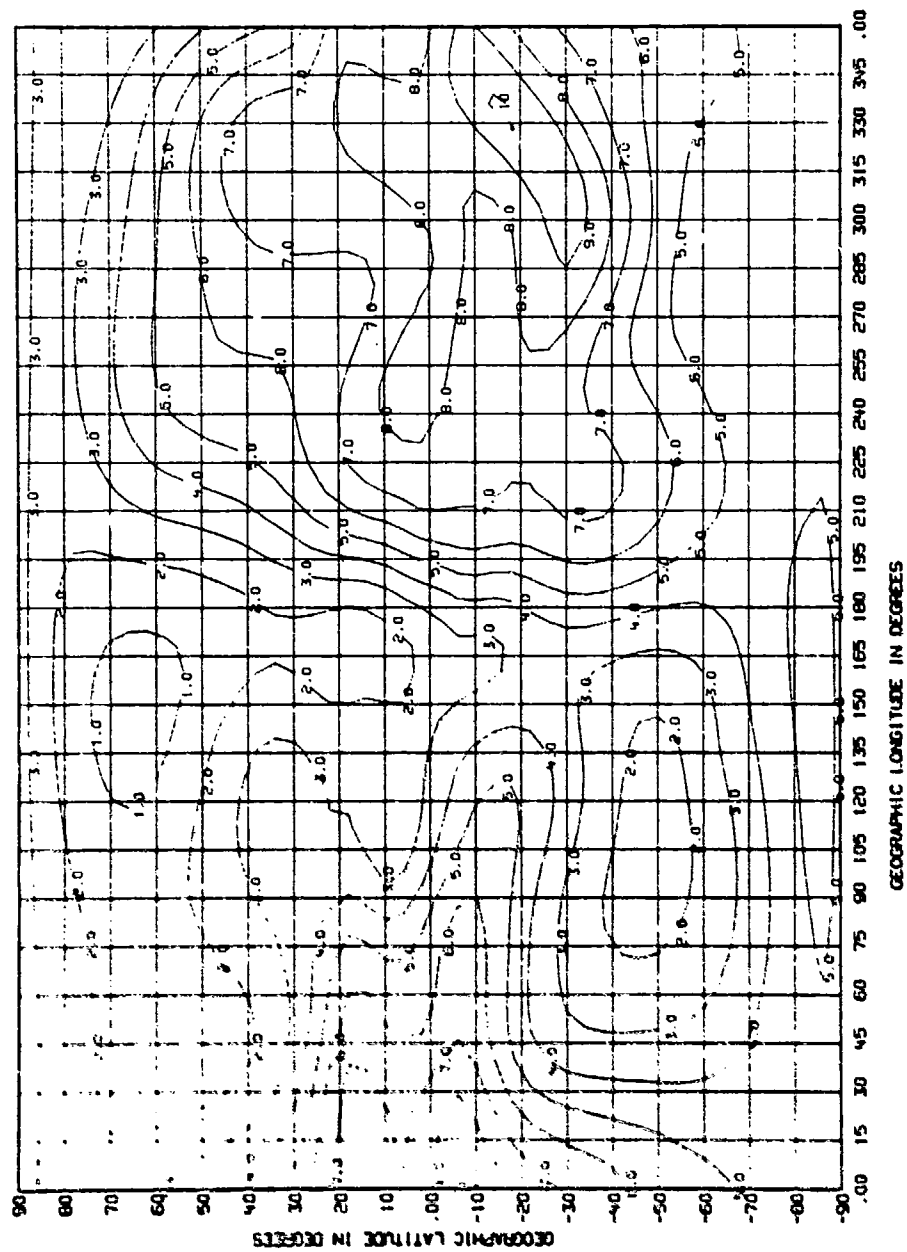


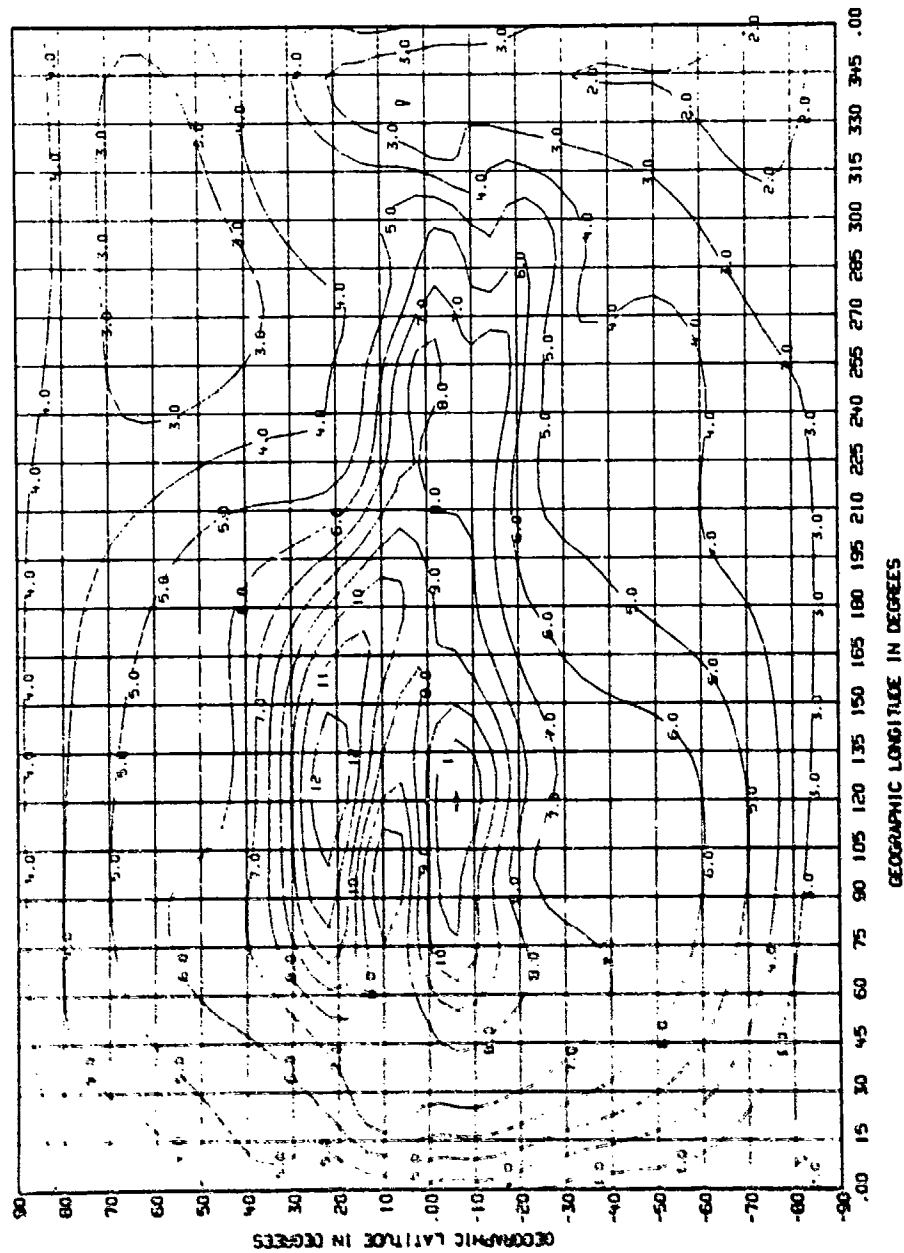
Figure C.1 Contour map of the global representation of the median value of fof2 derived from the new coefficients for January 1976 at 0600 hrs UT.

UT ANALYSIS OF 7601, 0600 HR, MEDIAN FOF2 DATA, 76 FUNCTIONS (NEW COEF) 83/12/01, 22.14.49.



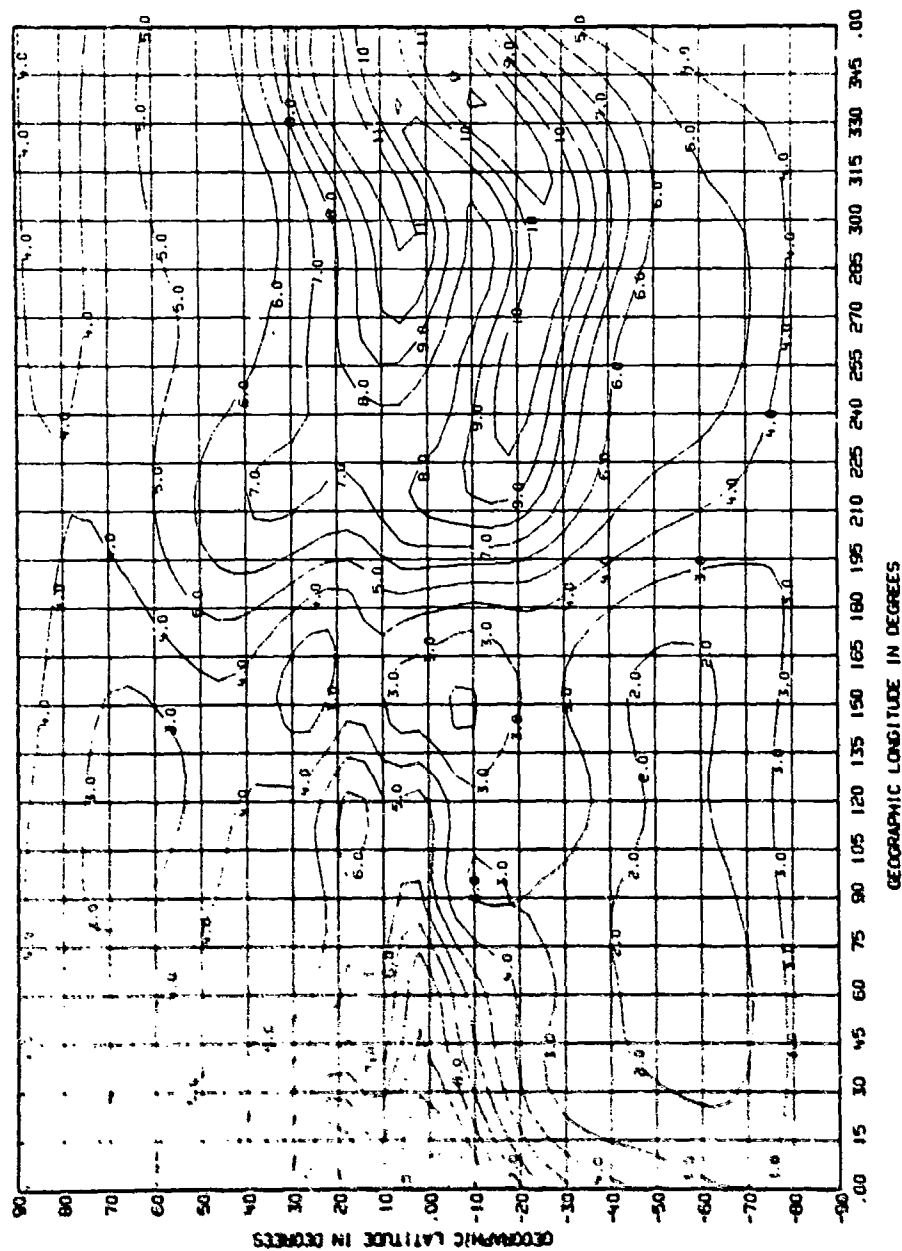
UT ANALYSIS OF 7601, 1800 HR, MEDIAN FO F2 DATA, 76 FUNCTIONS (NEW COEF) 03/12/01, 22.15.25.

Figure C.2 Contour map of the global representation of the median value of foF2 derived from the new coefficients for January 1976 at 1800 hrs UT.



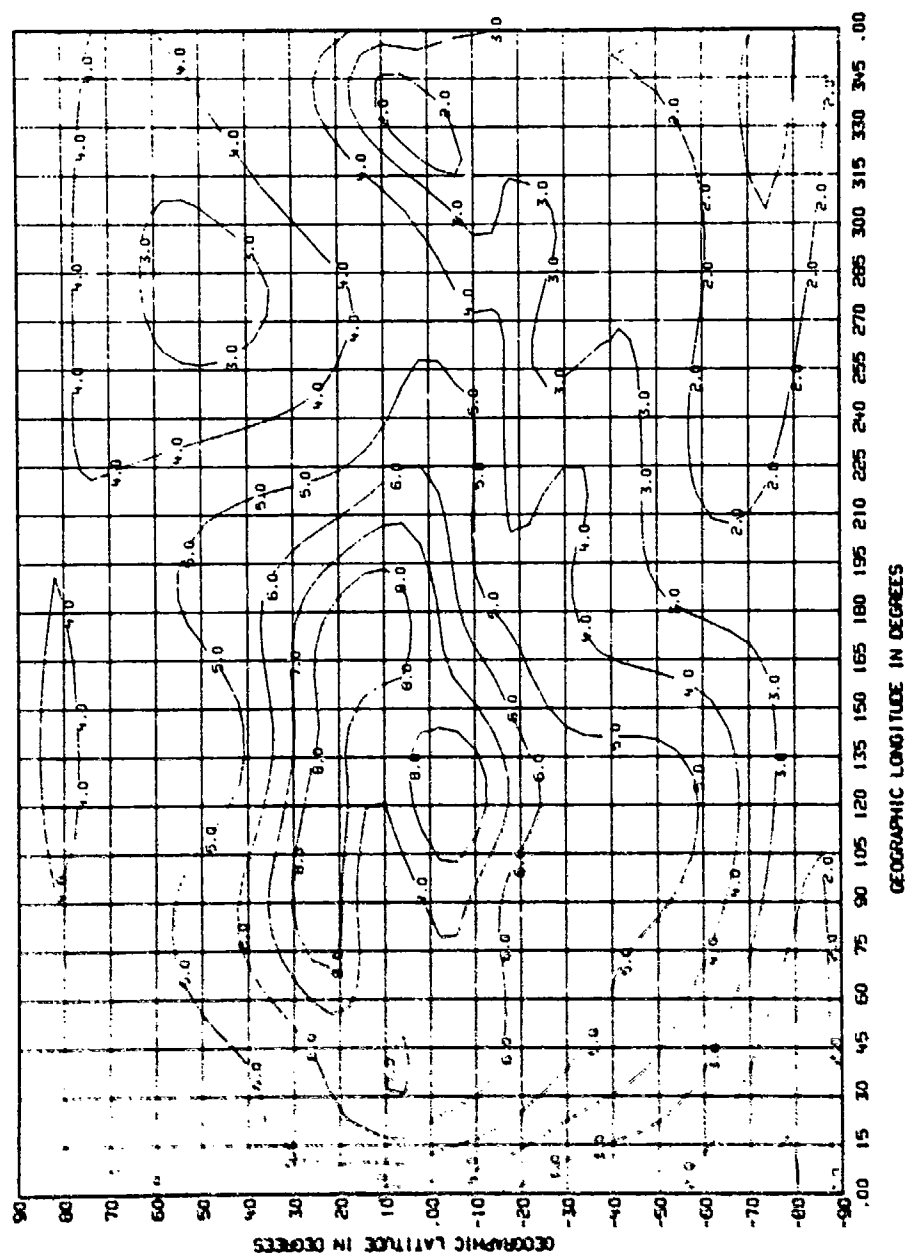
UT ANALYSIS OF 760N, 0600 HR, MEDIAN FO2 DATA, 76 FUNCTIONS (NEW COEF) 83/12/01. 22.28.44.

Figure C.3 Contour map of the global representation of the median value of foF2 derived from the new coefficients for April 1976 at 0600 hrs UT.



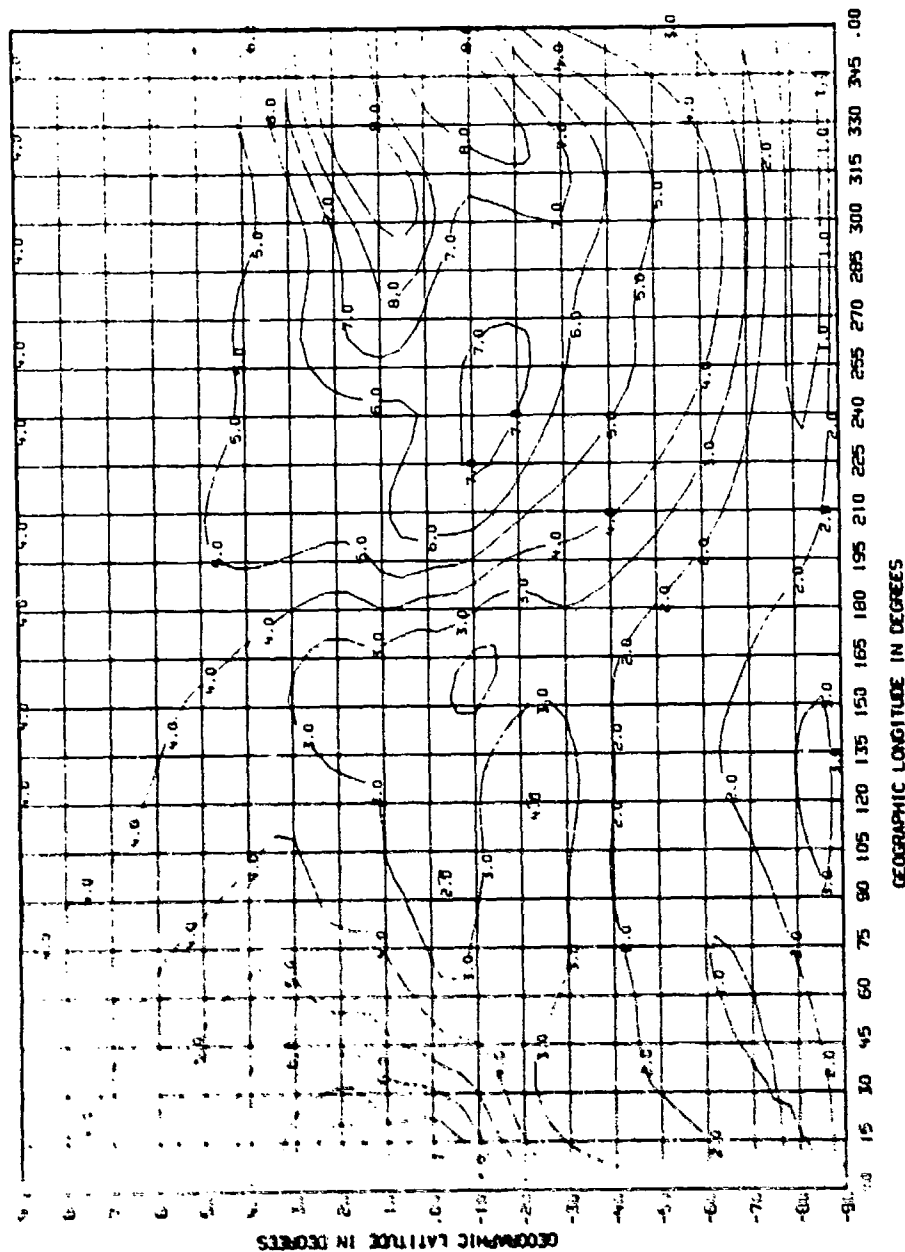
UT ANALYSIS OF 7604, 1800 HR, MEDIAN FO F2 DATA, 76 FUNCTIONS (NEW COEF) 83/12/01. 22.29.13.

Figure C.4 Contour map of the global representation of the median value of foF2 derived from the new coefficients for April 1976 at 1800 hrs UT.



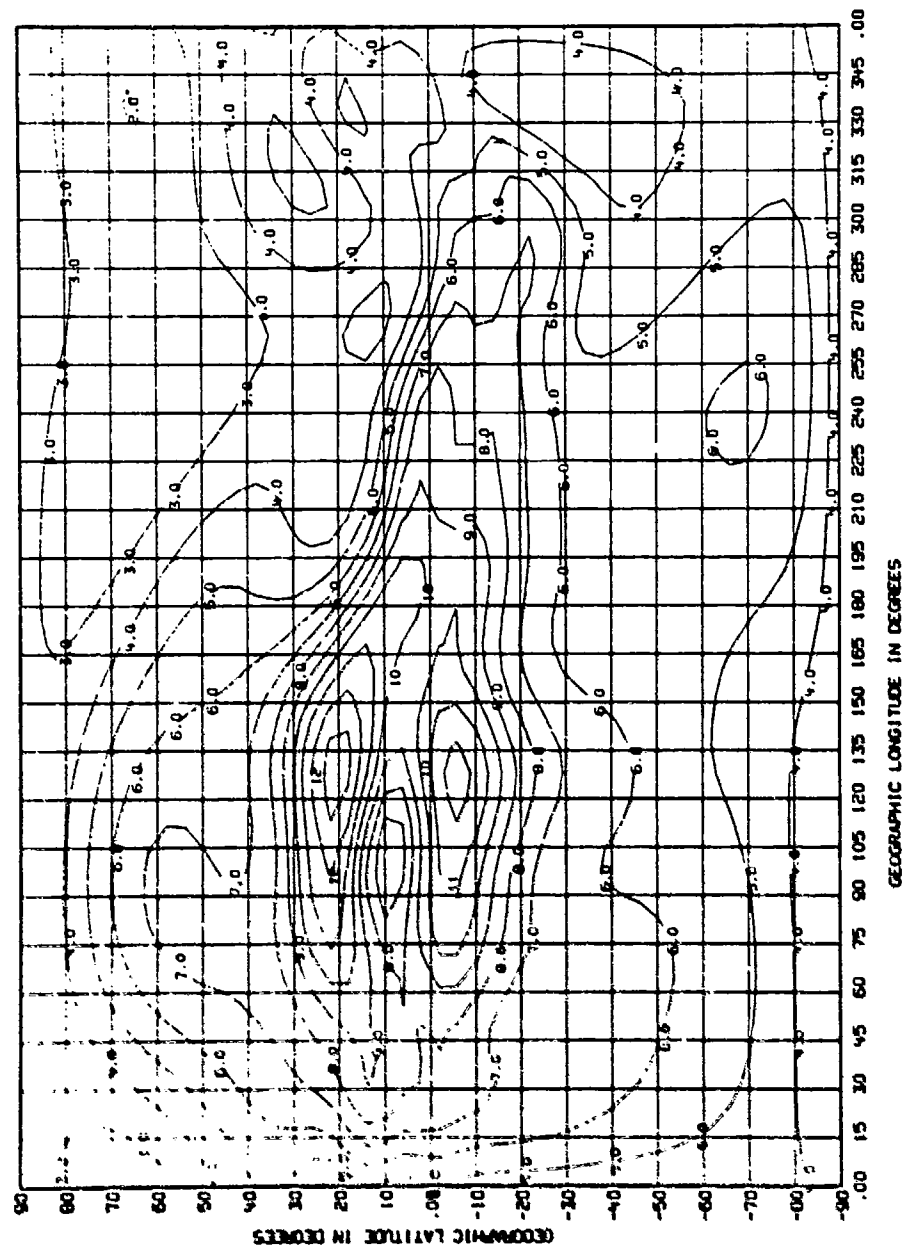
UT ANALYSIS OF 7507. 0600 HR. MEDIAN FOF2 DATA. 76 FUNCTIONS (NEW COEF) 83/12/01. 22.40.06.

Figure C.5 Contour map of the global representation of the median value of fof2 derived from the new coefficients for July 1975 at 0600 hrs UT.



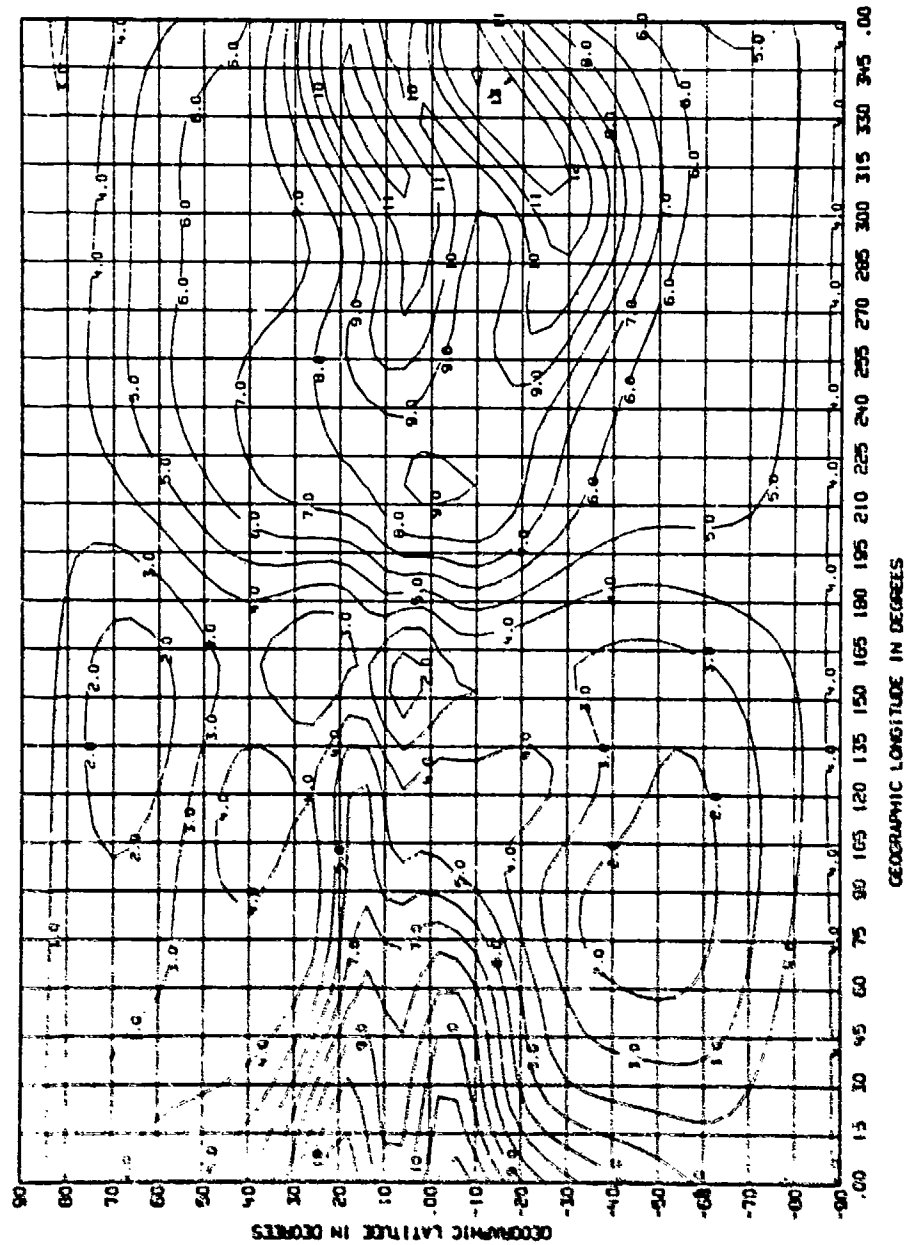
UT ANALYSIS OF 7507, 1800 HR, MEDIAN FO2 DATA, 76 FUNCTIONS (NEW COEF) 03/12/01. 22.40.40.

Figure C.6 Contour map of the global representation of the median value of foF2 derived from the new coefficients for July 1975 at 1800 hrs UT.



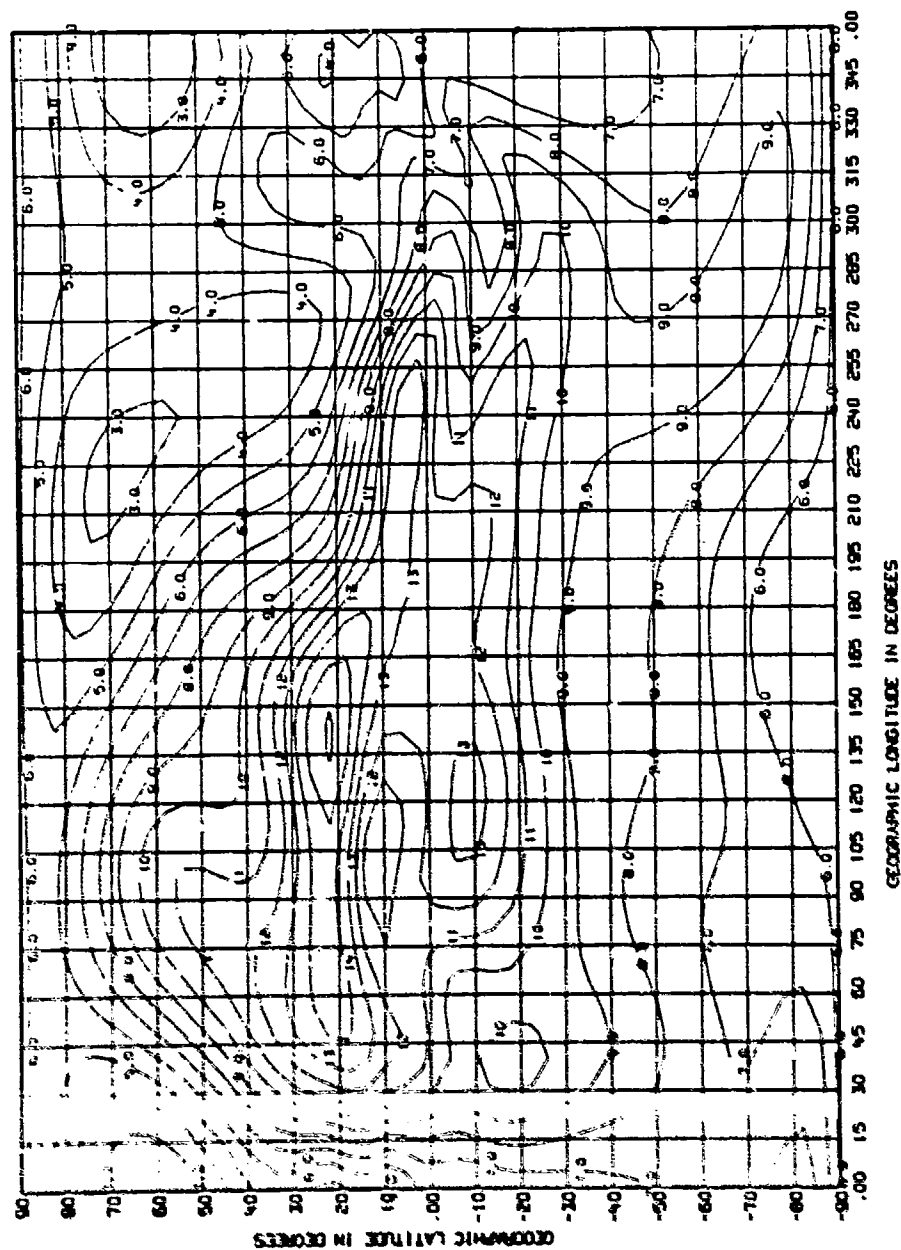
UT ANALYSIS OF 7510, 06.00 HR, MEDIAN FO2 DATA, 76 FUNCTIONS (NEW COEF) 83/12/01. 22.46.37.

Figure C.7 Contour map of the global representation of the median value of foF2 derived from the new coefficients for October 1975 at 0600 hrs UT.



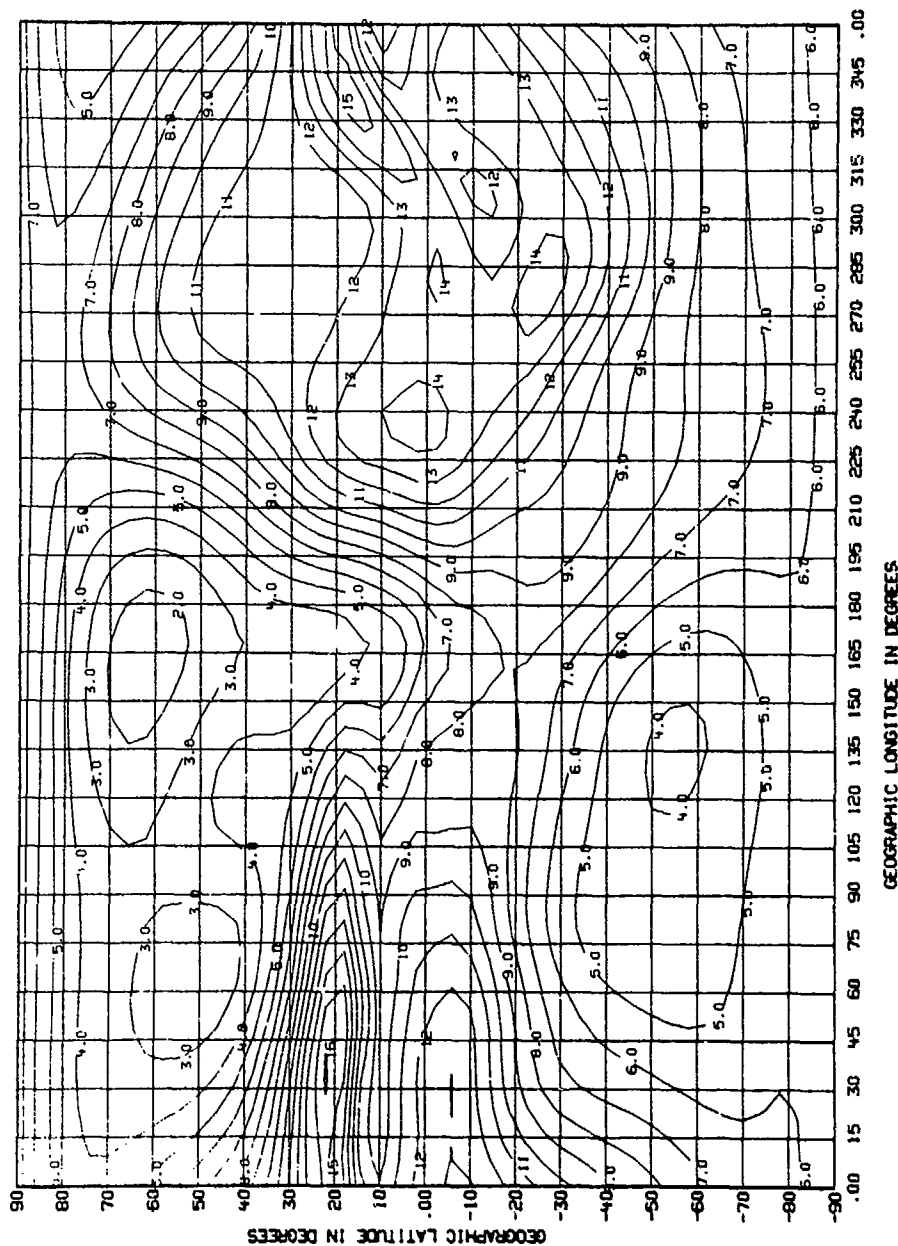
UT ANALYSIS OF 7510, 1800 HR, MEDIAN FO2 DATA, 75 FUNCTIONS (NEW COEF) 83/12/01. 22.47.19.

Figure C.8 Contour map of the global representation of the median value of foF2 derived from the new coefficients for October 1975 at 1800 hrs UT.



UT ANALYSIS OF 7801. 0600 HR. MEDIAN FOF2 DATA, 76 FUNCTIONS (NEW COEF) 83/12/01. 22.27.30.

Figure C.9 Contour map of the global representation of the median value of fof2 derived from the new coefficients for January 1979 at 0600 hrs UT.



UT ANALYSIS OF 7901, 1800 HR, MEDIAN FOE2 DATA, 76 FUNCTIONS (NEW COEF) 83/12/01. 22.27.42.

Figure C.10 Contour map of the global representation of the median value of foF2 derived from the new coefficients for January 1979 at 1800 hrs UT.

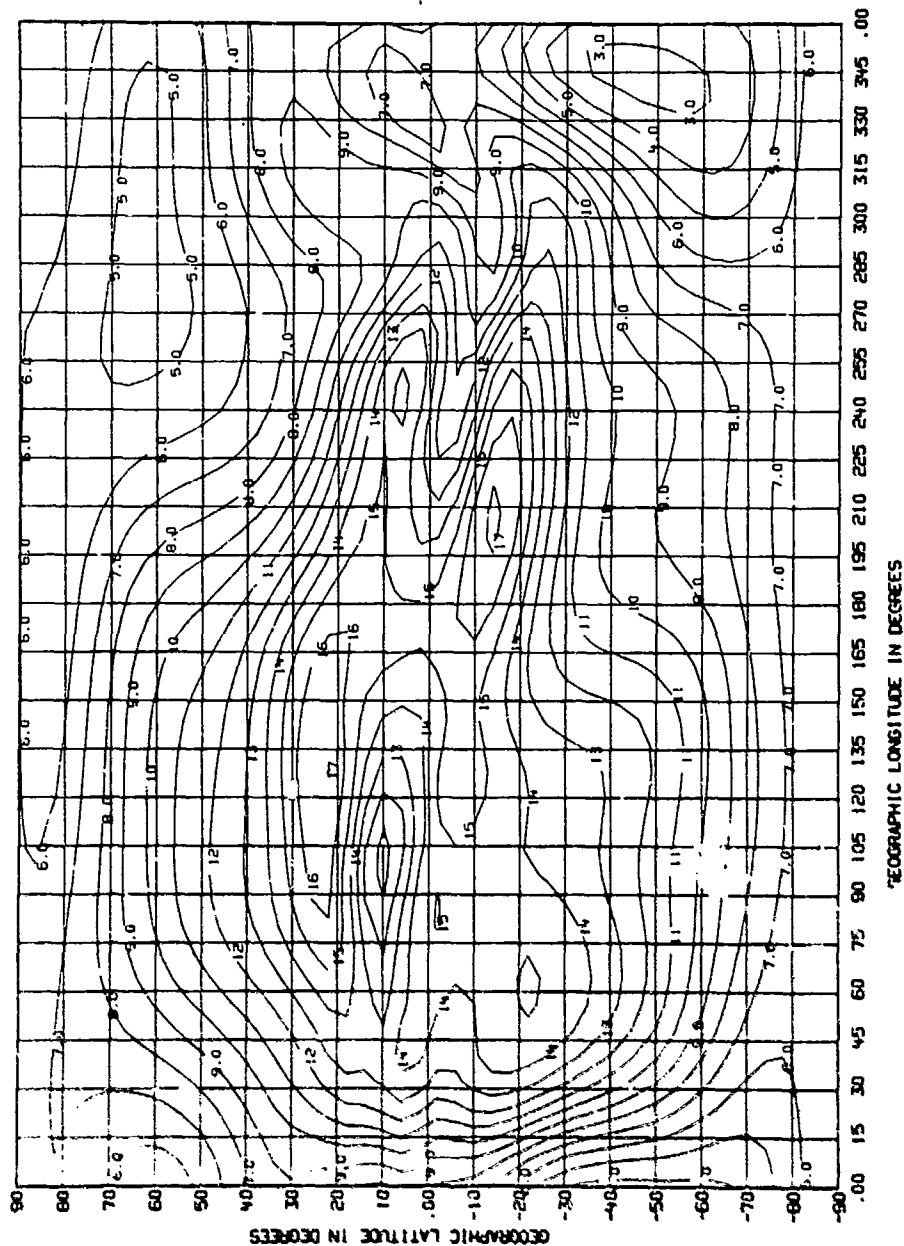
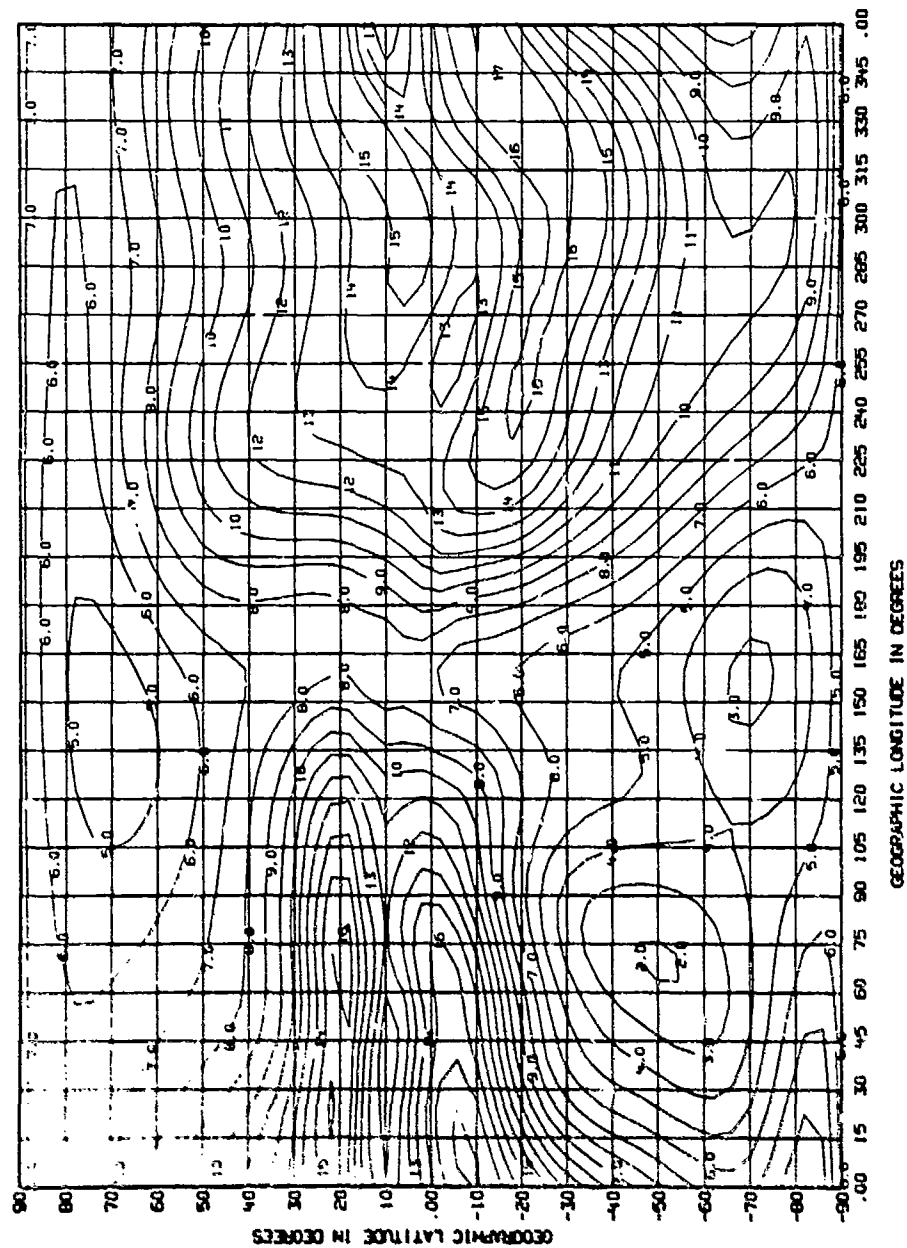


Figure C.11 Contour map of the global representation of the median value of foF₂ derived from the new coefficients for April 1979 at 0600 hrs UT.



UT ANALYSIS OF 750M, 1800 HR, MEDIAN FOF2 DATA, 76 FUNCTIONS (NEW COEF) 83/12/01. 22.34.17.

Figure C.12 Contour map of the global representation of the median value of fof2 derived from the new coefficients for April 1979 at 1800 hrs UT.

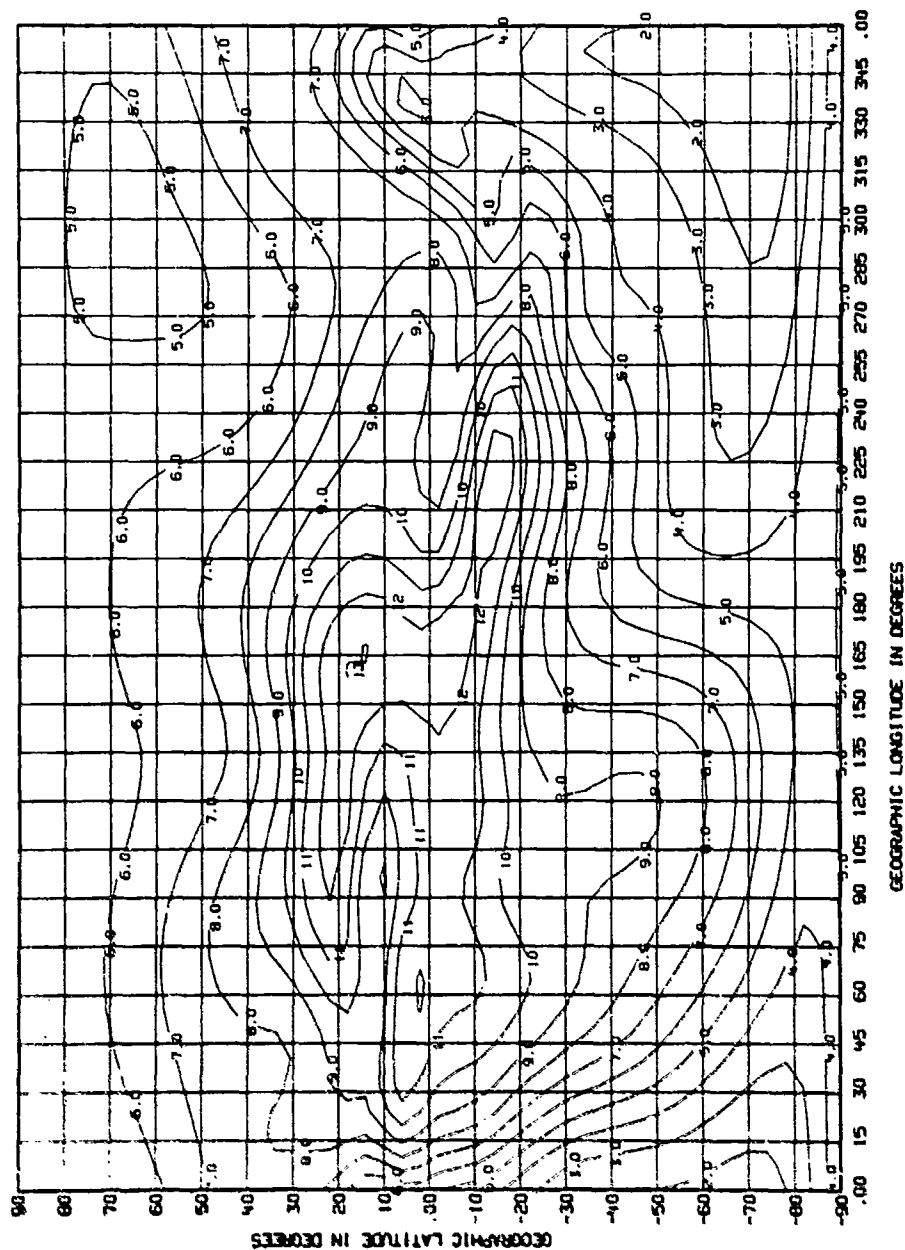


Figure C.13 Contour map of the global representation of the median value of foF2 derived from the new coefficients for July 1978 at 0600 hrs UT.

UT ANALYSIS OF 7807, 0600 HR, MEDIAN FO F2 DATA, 76 FUNCTIONS (NEW COEF) 83/12/01, 22.43.20.

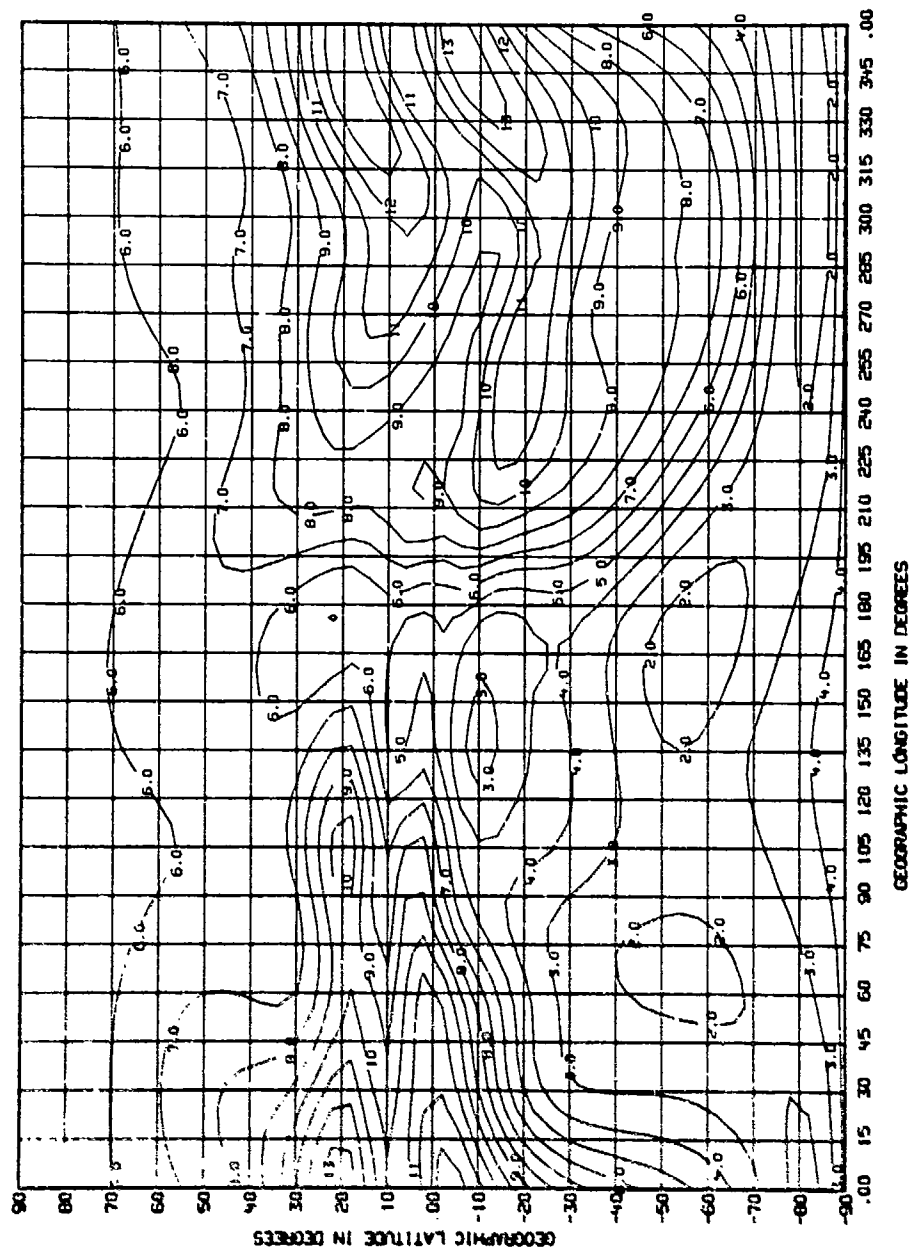
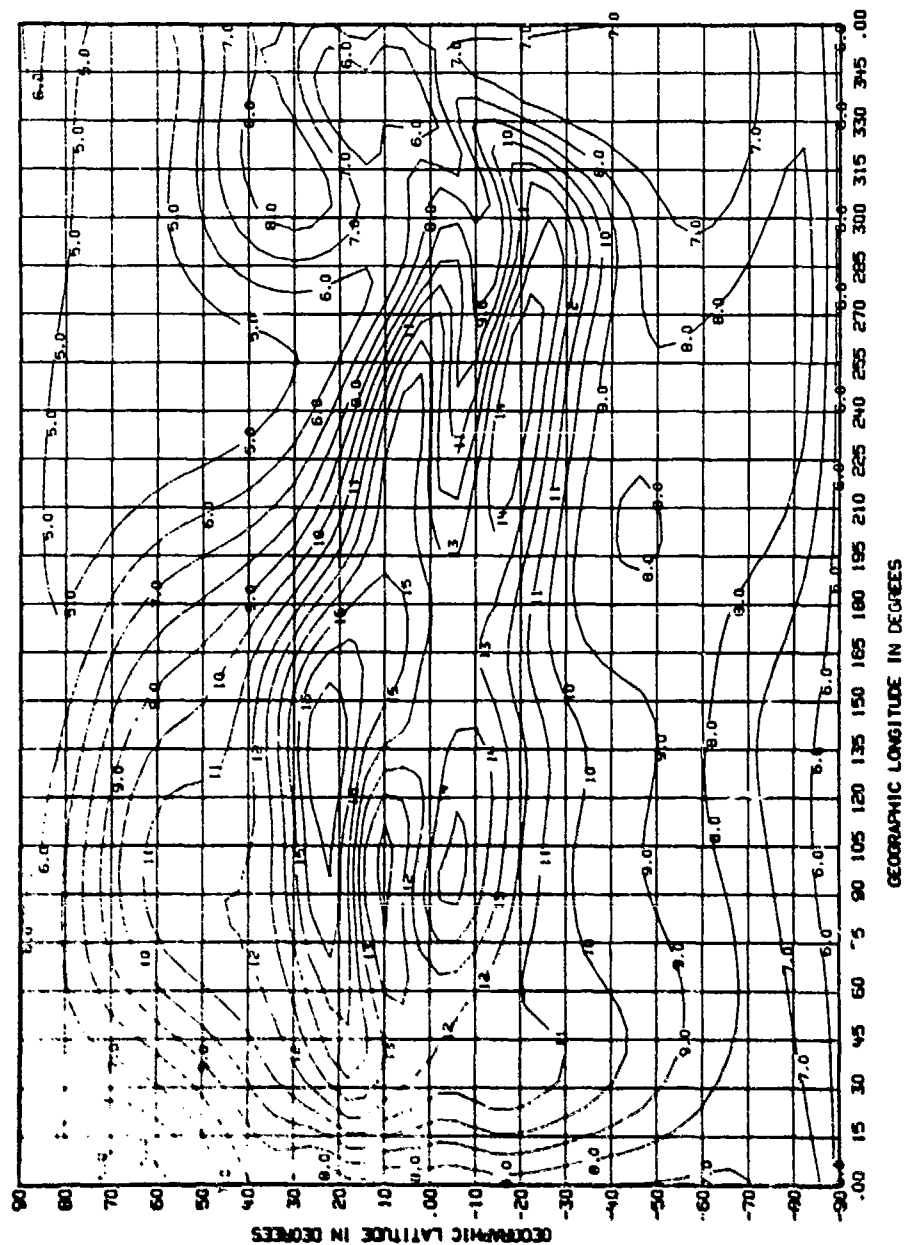


Figure C.14 Contour map of the global representation of the median value of foF2 derived from the new coefficients for July 1978 at 1800 hrs UT.



UT ANALYSIS OF 7810, 0600 HR, MEDIAN FOF2 DATA, 76 FUNCTIONS (NEW COEF) 83/12/01. 22.48.35.

Figure C.15 Contour map of the global representation of the median value of fof2 derived from the new coefficients for October 1978 at 0600 hrs UT.

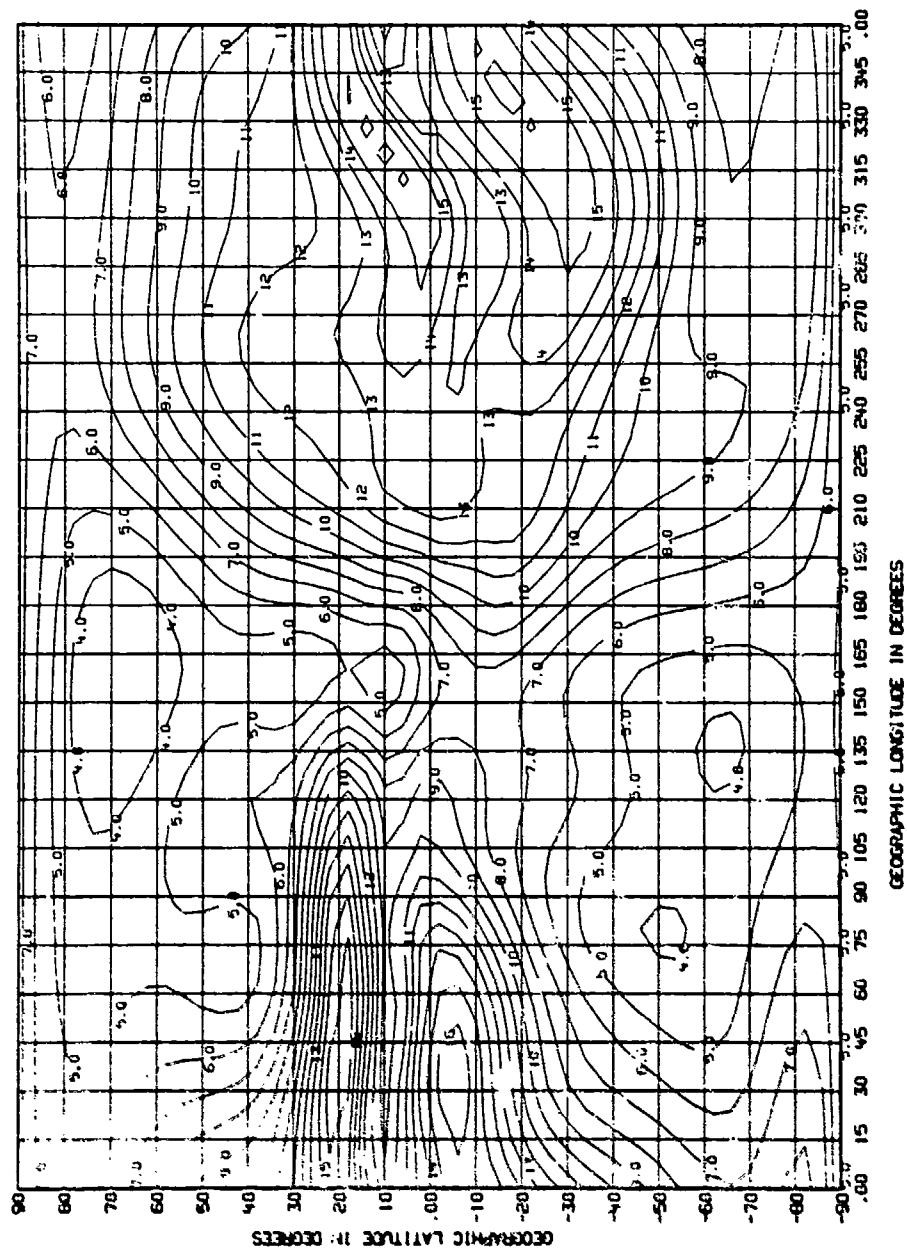


Figure C.16 Contour map of the global representation of the median value of foF2 derived from the new coefficients for October 1978 at 1800 hrs UT.

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15. ABSTRACT (A 200-word or less factual summary of most significant information. If document includes a significant bibliography or literature survey, mention it here.) Observations of the F2-region critical frequency, foF2, and values determined from the time-dependent continuity equation for ions and electrons in the ionosphere have been used to develop a new set of numerical coefficients to represent the global variation of foF2. The coefficients developed in this study, like those in earlier investigations, permit monthly median hourly values of foF2 to be obtained at any location around the globe for any month of the year and solar activity level. The procedures undertaken to develop the new numerical coefficients are described in this report. Comparisons between foF2 determined using older sets of numerical coefficients and foF2 determined using the new set of coefficients specifies and predicts the observed variations in the F2-region critical frequency.			
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