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CDIAC NUMERIC DATA COLLECTION

Surface Air Temperature Anomalies for the Northern Hemisphere: The Russian Dataset

MASTER

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**SURFACE AIR TEMPERATURE ANOMALIES FOR THE
NORTHERN HEMISPHERE: THE RUSSIAN DATASET**

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March, 1988

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**CDIAC NUMERIC DATA PACKAGE
ABSTRACT**

1. NUMERIC DATA PACKAGE NAME

Surface Air Temperature Anomalies for the Northern Hemisphere: The Russian Dataset

2. CONTRIBUTORS

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3. CITATION OF THE PACKAGE

The Carbon Dioxide Information Analysis Center (CDIAC) recommends the following citation for those citing or referencing this package.

Robock, A. 1988. Surface Air Temperature Anomalies for the Northern Hemisphere: The Russian Dataset. NDP-015, Carbon Dioxide Information Analysis Center, Oak Ridge, Tennessee.

4. BACKGROUND INFORMATION

The existence of a Russian surface temperature dataset became known to Western scientists when Budyko (1969) showed the secular variation of temperature and direct radiation for the Northern Hemisphere. His results were derived from maps (Sharova, 1960-67) of monthly mean surface air temperature anomalies compiled at the Main Geophysical Observatory (Leningrad). These maps covered the period 1881 to 1960 and were prepared for the purpose of monthly and seasonal forecasting, with a goal of finding patterns in monthly departures from normal temperatures.

After Budyko's paper, the series was updated to 1975 by Borzenkova et al. (1976) and to 1980 by Vinnikov et al. (1980). These updates were derived from maps appearing in the Synoptic Bulletin of the State Hydrometeorological Committee. These maps were based on data received from the world-wide synoptic network and provided data from 1961 to 1980. Temperature anomalies were originally calculated using different sets of normals for different periods. For example, anomalies for the period 1941 to 1960 were calculated relative to the 1880 to 1980 mean, while

anomalies for the 1961 to 1975 period were determined relative to the 1931 to 1960 mean. Borzenkova et al. (1976) presented a detailed analysis of the data as annual averages from 1881 to 1975 in broad latitude bands (17.5N to 87.5N) and detailed a procedure for combining the different anomalies into a homogenous time series. Rubinshteyn (1977) suggested possible error sources in this analysis, but Vinnikov (1977) defended the analysis procedure and gave greater detail about considerations taken during the analysis. Vinnikov et al. (1980) suggested a modified procedure for making the series homogenous and showed the results of applying this procedure to the data in producing zonal averages. Robock (1982) detailed the updated Russian surface air temperature data sets prepared by the World Data Center (Obninsk), under the direction of Drs. Vinnikov and Gruza, and a file he created containing surface air temperature anomalies corrected so that all anomalies are with respect to the same normal period.

This package (documentation and magnetic tapes) provides the Russian surface air temperature anomalies for the Northern Hemisphere detailed by Robock (1982). These files were provided on magnetic tape to CDIAC by the National Center for Atmospheric Research (NCAR). The availability of these data and the opportunity for Robock to visit and collaborate with the Russians were made possible by the US-USSR Bilateral on Environmental Protection.

5. SOURCE AND SCOPE OF THE DATA

A total of nineteen files including seven data files, seven descriptive files (6 in Russian and 1 in English), and five programs to read some of the data files are provided on the magnetic tapes that accompany this documentation. Twelve of the files (6 data files and 6 descriptive files) were prepared by the Russian group at the World Data Center in Obninsk. Five files (1 data file and four programs) were provided by Robock and two files (1 descriptive file and 1 program) were prepared by CDIAC.

The data files prepared by the Russians include monthly average surface air temperature anomalies on a $5^{\circ} \times 10^{\circ}$ latitude-longitude grid from 90N to 10S from January, 1891 to May, 1980; norms of the monthly average temperature for the period 1881-1935; monthly norms for the period 1931-1960; monthly average surface temperature differences for the periods 1881-1960 and 1881-1935; values of altitude above sea level for each grid point; and the monthly anomalies for 1891 through 1981 with corrected data for February 1974.

The files provided by Robock include one data file containing monthly average surface air temperature anomalies on a $5^{\circ} \times 10^{\circ}$ latitude-longitude grid for the period 1891-1981 and four programs to read this and some of the Russian data files. The data file differs from those prepared by the Russians by containing corrected anomalies that are all with respect to the normals for the period 1881-1975. These corrections were made, after collaboration with the Russians, using the correction method described by Vinnikov et al. (1980). For those needing

temperature anomaly data, this data file is recommended for use instead of the original Russian files. Like the Russian files, these data are expressed in tenths of a degree Celsius.

Greater details about the format and contents of the files, the Russian papers, and the correction methods used to create the files are provided in the sections that follow and in the background information cited in this package.

6. APPLICATIONS OF THE DATA

These surface air temperature anomalies may be used for comparison and verification with other Northern Hemisphere surface air temperature anomaly datasets (e.g. Jones et al., 1985) and may be used in studies attempting to detect carbon induced climate changes. Long-term anomalies such as these may also be used in the study of climate variability; in the calibration of proxy data such as tree-ring growth, pollen, and marine plankton; and in the study of climatic effects of phenomena such as El Nino/Southern Oscillation, volcanoes, and sunspots.

7. RESTRICTIONS AND LIMITATIONS

Care must be taken when combining long-term temperature anomalies into a homogenous time series suitable for climatic studies (Robock, 1982). Often, as in this case, the anomalies are calculated relative to different sets of normals for different periods. Borzenkova et al. (1976) and Vinnikov et al. (1980) have described procedures for modifying the surface temperature anomalies into a homogenous time series suitable for climatic studies and for correcting the anomalies to the same reference set of normals. Robock has provided a file (File 14 on the magnetic tape) in which the anomalies have all been calculated relative to the same normal (1881-1975). The corrected value of 30.0 for January, 1892 at 30°N and 40°E may be anomalous and should be used with caution.

The normal maps from which these anomalies are derived were created from station normals by assuming an artificial lapse rate of temperature. Different lapse rates were used for different normal periods. The Northern Hemisphere normal maps that were drawn at the Main Geophysical Observatory were compiled without the availability of sufficient data near the North Pole, south of 20°N for the late 1800's, and for the tropics before 1960. Robock (1982) reported that the data quality for land stations is excellent, while quality for the oceanic data is questionable, and the quality cannot be objectively determined by reanalysis.

The anomalies offered in this package are for surface temperatures. The normals to which they are compared were computed for sea level temperatures in order to eliminate altitudinal effects. In order to correct the anomalies to the same reference set of normals, as was done here by Robock, it is not necessary to use the actual normals. If one were reconstructing the actual surface temperature fields, it would be necessary to use the actual normals.

Despite these limitations mentioned, the Russian surface temperature data have been carefully analyzed by climatologists and when used with Robock's corrected anomalies serve as a reliable long-term source of Northern Hemisphere surface air temperature anomalies.

8. CONTENTS OF THE PACKAGE

This package documents and provides the Russian surface air temperature anomalies for the Northern Hemisphere. The written documentation details the anomalies and provides a reference document (a). Nineteen computer files including seven descriptive files (1 in English and 6 in Russian), seven data files (written on tape as half word characters), and five FORTRAN programs to read and output the data files are provided on magnetic tape. Greater details about the data may be found in the background information (b).

a. Included in the package:

Robock, A. 1982. The Russian surface temperature data set, Journal of Applied Meteorology 21:1781-1785.

b. Background information:

Borzenkova, I.I., K.Ya. Vinnikov, L.P. Spirina, and D.I. Stekhnovskii. 1976. Change in air temperature in the Northern Hemisphere during the period 1881-1975, Soviet Meteorology and Hydrology No.7:21-26.

Budyko, M.I. 1969. The Effect of solar radiation variations on the climate of the Earth, Tellus 21:611-619.

Gruza, G.V. and E.Ya. Ran'kova. 1979. Data on the Structure and Variability of Climate: Air Temperature at Sea Level. Northern Hemisphere. The USSR State Committee for Hydrometeorology and Control of the Natural Environment, All-Union Research Institute of Hydrometeorological Information-World Data Center, Obninsk, 203 pp.

Jones, P.D., S.C.B. Raper, B. Santer, B.S.G. Cherry, C. Goodess, P.M. Kelley, T.M.L. Wigley, R.S. Bradley, and H.F. Diaz. 1985. A Grid point surface air temperature data set for the Northern Hemisphere. DOE/EV/10098-2, U.S. Department of Energy, Washington, D.C.

Rubinshteyn, Ye.S. 1977. Some comments on an article by I.I. Borzenkova, K.Ya. Vinnikov, L.P. Spirina, and D.I. Stekhnovskii entitled, 'Change in air temperature in the Northern Hemisphere during the period 1881-1975. Soviet Meteorology and Hydrology No. 9:106-109.

Sharova, V.Ya., Ed. (1960-67). Maps of air temperature deviations from long-term means for the Northern Hemisphere, Main Geophysical Laboratory, Leningrad, No. 1-4.

Vinnikov, K.Ya. 1977. On the problem of the method for obtaining and interpreting data on surface air temperature in the Northern Hemisphere during the period 1881-1975, Soviet Meteorology and Hydrology No. 9:110-114.

Vinnikov, K.Ya., G.V. Gruza, V.F. Zakharov, A.A. Kirillov, N.P. Kovyneva, and E.Ya. Ran'kova. 1980. Modern changes in climate of the Northern Hemisphere, Soviet Meteorology and Hydrology No.6:5-17.

9. KEYWORDS

TEMPERATURE ANOMALIES, SURFACE TEMPERATURES, NORTHERN HEMISPHERE, TEMPERATURE VARIATIONS, CLIMATE CHANGES

10. HOW TO OBTAIN THE PACKAGE

This document contains a partial listing of the corrected monthly surface air temperature anomalies for the period 1891-1981 along with other zonal, monthly, and annual calculations (Tables 1-4) for those who may not need automated data. The complete dataset is available upon request on 9-track, magnetic tapes from CDIAC. Requests for magnetic tapes should include any specific instructions for transmitting the data required by the user to access the data. Tape requests not accompanied by specific instructions will be filled on 9-track, 6250 BPI, standard-labeled tapes with files formatted as shown on pages 6-8.

Requests should be addressed to:

Carbon Dioxide Information Analysis Center
Oak Ridge National Laboratory
Post Office Box 2008
Oak Ridge, Tennessee 37831-6050
Telephone: (615) 574-0390
 FTS 624-0390

12. DATE OF ABSTRACT

March, 1988

MAGNETIC TAPE CONTENTS

This section provides a listing of the files provided on magnetic tape by CDIAC. A listing of the five FORTRAN retrieval programs (Files 15-19), the descriptive information file (File 1), and partial listings of the output generated by the execution of the retrieval programs are provided in this documentation (pages 13-45).

Description	Mode	Record Format	Block Size	Record Length
File 1. Descriptive information file (written in English)	EBCDIC	FB	8000	80
File 2. Descriptive information file written in Russian describing File 3		FB	800	80
File 3. Monthly average surface air temperature anomalies on a 5° x 10° latitude-longitude grid from 90°N to 10°S from January 1891 to May 1980		FB	3032	1516
File 4. Descriptive information file written in Russian describing File 5		FB	800	80
File 5. Norms of the monthly average temperature for the period 1881-1935 from 90°N to the Equator		FB	2740	1370
File 6. Descriptive information file written in Russian describing File 7		FB	800	80
File 7. Norms of the monthly average temperature for the period 1931-1960		FB	2740	1370
File 8. Descriptive information file written in Russian describing File 9		FB	800	80

File 9.	Difference between the norms for the period 1881-1935 and 1931-1960		FB	2740	1370
File 10.	Descriptive information file written in Russian describing File 11		FB	800	80
File 11.	Values of altitude above sea level for each grid point		FB	1370	1370
File 12.	Descriptive information file written in Russian describing File 13		FB	800	80
File 13.	Monthly anomalies for 1891-1981 with corrected data for February 1974 on a 5° x 10° latitude-longitude grid from 90°N to the Equator		FB	2744	1372
File 14.	Monthly anomalies for 1891-1981 with corrected data for February 1974 and all data relative to the same normal period (1881-1975).		FB	2744	1372
File 15.	A FORTRAN program that reads File 13, makes corrections so that the anomalies are all with respect to the same normal period, and creates File 14	EBCDIC	FB	800	80
File 16.	A FORTRAN program that reads either File 13 or 14 and calculates and prints zonal averages for each month (1891-1981)	EBCDIC	FB	8000	80
File 17.	A FORTRAN program that reads either File 13 or 14 and calculates and prints monthly and annual averages that are area-weighted from 17.5N to 87.5N	EBCDIC	FB	8000	80

File 18. A FORTRAN program that reads either File 13 or 14, counts the number of missing points for each month, and prints the first 10 data points of each month

EBCDIC	FB	8000	80
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File 19. A FORTRAN program that reads File 14 and prints the corrected temperature anomalies on a 5° x 10° latitude-longitude grid

EBCDIC	FB	8000	80
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MAGNETIC TAPE DESCRIPTIVE INFORMATION

This is a listing of the descriptive information file (File 1) provided on the magnetic tape distributed by CDIAC.

Dataset Title: Surface Air Temperature Anomalies for the Northern Hemisphere: The Russian Dataset

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Scope of the Data: A total of nineteen files including seven data files, seven descriptive files (6 in Russian and 1 in English), and five programs to read some of the data files are provided on the magnetic tape. Twelve of the files (6 data files and 6 descriptive files) were prepared by the Russian group at the World Data Center in Obninsk. Five files (1 data file and four programs) were prepared by Robock and two files (1 descriptive file and 1 program) were prepared by CDIAC.

The data files prepared by the Russians include monthly average surface air temperature anomalies on a $5^{\circ} \times 10^{\circ}$ latitude-longitude grid from 90N to 10S from January, 1891 to May, 1980; norms of the monthly average temperature for the period 1881-1935; monthly norms for the period 1931-1960; monthly average surface temperature differences for the periods 1881-1960 and 1881-1935; values of altitude above sea level for each grid point; and the monthly anomalies for 1891 through 1981 with corrected data for February 1974. These data are in tenths of a degree Celsius.

The files prepared by Robock include one data file containing monthly average surface air temperature anomalies on a $5^{\circ} \times 10^{\circ}$ latitude-longitude grid for the period 1891-1981 and four programs to read this and some of the Russian data files. The data file differs from those prepared by the Russians by containing corrected anomalies that are all with respect to the normals for the period 1881-1975. These corrections were made, after collaboration with the Russians, using the correction method described by Vinnikov et al. (1980). Like the Russian files, these data are also expressed in tenths of a degree Celsius.

Data Format: Files 2-13 are the data and documentation files prepared by the Russian group at the World Data Center (Obninsk). The descriptive files (Files 2, 4, 6, 8, 10, and 12) are written in

Russian and describe the data files which follow (Files 3, 5, 7, 9, 11, 13). Files 14-18 were prepared by Dr. Alan Robock and include the corrected monthly surface air temperature anomalies and four retrieval programs to read the corrected anomalies and some of the Russian files. For those needing temperature anomaly data, the corrected anomaly data file (File 14) is recommended for use instead of the original Russian files. File 19 is a FORTRAN retrieval program prepared by CDIAC to read and print the corrected anomalies on their $5^{\circ} \times 10^{\circ}$ latitude-longitude grid. The contents and format of the files are as follows:

File 2. A descriptive file written in Russian describing File 3.

File 3. A file containing monthly average surface air temperature anomalies on a $5 \times 10^{\circ}$ latitude-longitude grid from 90°N to 10°S from January 1891 to May 1980. The file is formatted as:

```

                INTEGER*2 IYEAR,MONTH,IT(756)
                READ(10,20)IYEAR,MONTH,IT
20              FORMAT(2A2,36(21A2))

```

with IT being the monthly surface air temperature anomalies. The data are stored in the order (90N,0E), (85N,0E), with the second column being at 10E. The data are in tenths of a degree Celsius and are written as half word characters. This file should not be used because the February, 1974 data are incorrect. Files 13 and 14 contain corrected data for 1974 and extend over a longer period of time. File 14 has all anomalies corrected relative to the normals for the period 1881-1975.

File 4. A descriptive file written in Russian describing File 5.

File 5. A file containing the norms of the monthly average temperature for the period 1881-1935(40). The data are stored in the order (90N,0E), (90N,10E)...., and only extend to the equator. The data are in tenths of a degree Celsius and are written as half word characters. The file can be read with the following code, with one read statement per month:

```

                INTEGER*2 MONTH,IT(684)
                READ(10,20)MONTH,IT
20              FORMAT(A2,19(36A2))

```

File 6. A descriptive file written in Russian describing File 7.

File 7. A file containing monthly norms for the period 1931-1960, in the same format as File 5. With the three files, 5, 7, and 9, the norms can be reconstructed for the entire set of anomalies.

File 8. A descriptive file written in Russian describing File 9.

File 9. A file containing the differences between the norms for the period 1881-1935 and the period 1931-1960. The format is the same as File 5 or:

```

                INTEGER*2 MONTH,IT(684)
                READ(10,20)MONTH,IT
20              FORMAT(A2,19(36A2))

```

File 10. A descriptive file written in Russian describing File 11.

File 11. A file containing altitude values above sea level for each grid point. The norms listed in Files 7 and 9 are reduced to sea level. In order to reconstruct actual surface temperatures, the corrections in this file must be used. The units are in tenths of a kilometer or can be thought of as tenths of a degree Celsius, being the difference in temperature of the norms due to the difference in lapse rates used for different periods (6C/km vs. 5C/km). The format for the file is:

```

                INTEGER*2 IT(684)
                READ(10,20)IT
20              FORMAT(19(36A2))

```

with IT being the altitude data.

File 12. A descriptive file written in Russian describing File 13.

File 13. A file containing the monthly anomalies for 1891 through 1981 with corrected data for February 1974. The format for the file is as follows:

```

                INTEGER*2 IYEAR,MONTH,IT(684)
                READ(10,20)IYEAR,MONTH,IT
20              FORMAT(2A2,19(36A2))

```

File 14. A file containing the same data as file 13 but corrected so that all the anomalies are with respect to the normals for the period 1881-1975 using correction method B (Vinnikov et al., 1980). The file is in a format identical to File 13 with missing data indicated by values greater than about 32760 or less than -32760. The data are given in tenths of a degree Celsius.

File 15. The FORTRAN program that was used to read File 13, make the corrections so that the anomalies are all with respect to the normal period 1881-1975, and create the corrected data file (File 14). It will not be necessary to execute this program since the corrected anomalies are already provided.

File 16. A FORTRAN program to read File 13 or 14 and calculate and print zonal averages for each month for 1891 to 1981.

File 17. A FORTRAN program to read File 13 or 14, and calculate and print monthly and annual averages that are area-weighted from 17.5N to 87.5N for comparison with the numbers of Vinnikov et al., (1980).

File 18. A FORTRAN program to read File 3 or 14, count the number of missing points for each month, and print the first eight data points for each month.

File 19. A FORTRAN program to read File 14 and print the corrected surface air temperature anomalies on a 5° x 10° latitude-longitude grid.

REFERENCE

Robock, A. 1982. The Russian surface temperature data set, Journal of Applied Meteorology 21:1781-1785.

A program to read the uncorrected anomalies, make corrections so the anomalies are all with respect to the same normal (1881-1975), and create a corrected data file. This program was written by Alan Robock and is given as file 15 on the magnetic tape distributed by CDIAC. It is not necessary to run this program since the corrected data generated from the execution of this program are provided as file 14.

```
//ZWADR6 JOB (UOM,M210),'A.ROBOCK',MSGLEVEL=(1,1),CLASS=A
/*JOBPARM VMFUSER=ZWADR,L=10,K=0
/*ROUTE PRINT CP
//TRANS EXEC FORTCLG,GOREGN=4000K,TIME=2
//FORT.SYSIN DD *
C PROGRAM TO READ RUSSIAN T (TANUFL),
C CALCULATE CORRECTIONS (DELS), STORE DELS AND CORRECTED VALUES (T),
C READ FROM FILE TANUFL FROM NEW TAPE, THRU 1981. (METHOD B)
C
  DIMENSION T(684,12), DEL(684,12,3), A(684,12), B(684,12),
  * C(684,12), TANUFL(684,12)
  DATA A,B,C,DEL/49248*0.0/
C
  DO 2 IY = 1,91
    I = IY + 1890
    DO 2 M = 1,12
      READ(51) IYR, MON, (TANUFL(J,M), J = 1,684)
      IF(IYR.NE. I) WRITE(6,4) I, IYR, M, MON
4      FORMAT(' YEAR MISMATCH: I = ', I5, ' IYR = ', I10,
  * ' M = ', I5, ' MON = ', I10/)
      IF(MON.NE. M) WRITE(6,5) I, IYR, M, MON
5      FORMAT(' ***** MONTH MISMATCH: I = ', I5, ' IYR = ', I10,
  * ' M = ', I5, ' MON = ', I10/)
      IF(M.EQ. 1 .OR. M.EQ. 12) WRITE(6,60) I, M
60     FORMAT(' DATA FROM YEAR ', I4, ' AND MONTH ', I2,
  * ' READ FROM DISK.')
C CALCULATE CORRECTIONS
  IF(I.LT. 1931) GO TO 2
  IF(I.GT. 1960) GO TO 22
C C IS NEGATIVE OF SUM OF ANOMALIES FROM 1931 TO 1960
  DO 23 J = 1,684
    IF(TANUFL(J,M).GT. -100. .AND. TANUFL(J,M).LT. 100.) C(J,M) =
  * C(J,M) - TANUFL(J,M)
23    CONTINUE
    IF(I.LT. 1941) GO TO 2
C B IS NEGATIVE OF SUM OF ANOMALIES FROM 1941 TO 1960
  DO 24 J = 1,684
    IF(TANUFL(J,M).GT. -100. .AND. TANUFL(J,M).LT. 100.) B(J,M) =
  * B(J,M) - TANUFL(J,M)
24    CONTINUE
    GO TO 2
22    CONTINUE
C A IS NEGATIVE OF SUM OF ANOMALIES FROM 1941 TO 1975
  IF(I.GT. 1975) GO TO 2
  IF(I.NE. 1960) GO TO 25
  DO 26 J = 1,684
    A(J,M) = B(J,M)
```


26	CONTINUE	RUS00480
25	CONTINUE	RUS00490
	DO 27 J = 1,684	RUS00500
	IF(TANUFL(J,M) .GT. -100. .AND. TANUFL(J,M) .LT. 100.) A(J,M) =	RUS00510
	* A(J,M) - TANUFL(J,M)	RUS00520
27	CONTINUE	RUS00530
2	CONTINUE	RUS00540
C	EOF	RUS00550
20	CONTINUE	RUS00560
C	CALCULATE CORRECTIONS	RUS00570
	DO 28 M = 1,12	RUS00580
	DO 28 J = 1,684	RUS00590
	DEL(J,M,1) = (5. * A(J,M) + 2. * B(J,M) + C(J,M)) / 475.	RUS00600
	DEL(J,M,2) = DEL(J,M,1) - B(J,M) / 60.	RUS00610
	DEL(J,M,3) = DEL(J,M,1) - (C(J,M) + B(J,M) / 3.) / 30.	RUS00620
28	CONTINUE	RUS00630
C	WRITE CORRECTIONS TO DISK	RUS00640
	WRITE(61) DEL	RUS00650
C		RUS00660
C	REWIND TANUFL	RUS00670
C		RUS00680
	REWIND 51	RUS00690
C		RUS00700
C	DO CORRECTIONS	RUS00710
	DO 30 IY = 1,91	RUS00720
	I = IY + 1890	RUS00730
	IF(I .LE. 1940 .OR. (I .GE. 1961 .AND. I .LE. 1969)) ID = 1	RUS00740
	IF(I .GE. 1941 .AND. I .LE. 1960) ID = 2	RUS00750
	IF(I .GE. 1970) ID = 3	RUS00760
	WRITE(6,31) I, ID	RUS00770
31	FORMAT(/' YEAR = ', I4, ', DATA CORRECTED BY ADDING DEL', I1/)	RUS00780
C		RUS00790
	DO 30 M = 1,12	RUS00800
	READ(51) IYR, MON, (TANUFL(J,M), J=1,684)	RUS00810
	DO 32 J = 1,684	RUS00820
	T(J,M) = TANUFL(J,M) + DEL(J,M,ID)	RUS00830
32	CONTINUE	RUS00840
C	OUTPUT CORRECTIONS TO TAPE, DISK(1966 AND AFTER) AND PAPER	RUS00850
	WRITE(62) I, M, (T(J,M), J = 1,684)	RUS00860
	IF(I .GE. 1966) WRITE(63) I, M, (T(J,M), J = 1,684)	RUS00870
	WRITE(6,61) I, IYR, M, MON	RUS00880
61	FORMAT(' CORRECTED DATA FOR YEAR ', 2I5, ' AND MONTH ', 2I3,	RUS00890
	* ' WRITTEN TO DISK.')	RUS00900
30	CONTINUE	RUS00910
	STOP	RUS00920
	END	RUS00930
/*		RUS00940

A program to read the corrected anomalies and then calculate and print zonal, monthly, and annual averages. The program was originally written by Alan Robock and has been modified by CDIAC. This program is given as file 16 on the magnetic tape distributed by CDIAC and is to be used to read file 14. The output generated from the execution of this program is given in Tables 1 and 2.

```

C PROGRAM TO READ METHODEB DATA, CALCULATE AND PRINT
C ZONAL, MONTHLY AND ANNUAL AVERAGES FROM 20N TO 85N.
C
      INTEGER*2 IYR,MON,IT(684)
      DIMENSION T(684,12), Z(19,12), ZM(12), A(92), SM(92,12)
      * ,LAT(19), LON(18), CLAT(19)
C
      CCON = 3.1416 / 180.
      CSUM = 0.
C
      DO 11 I = 1,19
      LAT(I) = 95 - 5*I
      CLAT(I) = COS(FLOAT(LAT(I))) * CCON)
      IF(LAT(I) .LE. 85 .AND. LAT(I) .GE. 20) CSUM = CSUM + CLAT(I)
      IF(I .GT. 18) GO TO 11
      LON(I) = 20 * (I - 1)
11  CONTINUE
      CSUM = 1. / CSUM
C
C PRINT HEADING FOR ZONAL AVERAGES
C
      WRITE(6,13) (LAT(20-J), J =1,19)
13  FORMAT('1YEAR MO ', 19I6//)
C
C READ DATA
C
      DO 2 IY = 1,91
      I = IY + 1890
      A(IY) = 0.
      DO 3 M = 1,12
      READ(5,501) IYR, MON, (IT(J), J = 1,684)
501  FORMAT(2A2,36(19A2))
      DO 505 KAS=1,684
      T(KAS,M)=IT(KAS)
505  CONTINUE
      IF(IYR .NE. I) WRITE(6,6) I, IYR, M, MON
6  FORMAT(' YEAR MISMATCH: I = ', I5, ' IYR = ', I10,
      * ' M = ', I5, ' MON = ', I10/)
      IF(MON .NE. M) WRITE(6,5) I, IYR, M, MON
5  FORMAT(' ***** MONTH MISMATCH: I = ', I5, ' IYR = ', I10,
      * ' M = ', I5, ' MON = ', I10/)

```

```

C
C CALCULATE ZONAL AVERAGES
C
      DO 10 J = 1,19
      J36 = J * 36
      J1 = J36 - 35
      NOBS = 36
      SUM = 0
      DO 9 K = J1,J36
      IF(T(K,M) .LT. -100. .OR. T(K,M) .GT. 100.) GO TO 8
      SUM = SUM + T(K,M)
      GO TO 9
8      CONTINUE
      NOBS = NOBS - 1
9      CONTINUE
C
C CONVERT THE ZONAL AVERAGES TO TENTHS OF A DEGREE CELSIUS
C
      IF(NOBS .NE. 0) Z(J,M) = (SUM / FLOAT(NOBS)) / 10
      IF(NOBS .EQ. 0) Z(J,M) = 0.
10     CONTINUE
C
C PRINT ZONAL AVERAGES
C
      WRITE(6,12) I, M, (Z(20-J,M), J = 1,19)
12     FORMAT(1X,I4, 2X, I2, 2X, 19F6.2)
C
C CALCULATE MONTHLY AVERAGES (ZM)
C
      ZM(M) = 0.
      DO 20 J = 2,15
      ZM(M) = ZM(M) + Z(J,M) * CLAT(J)
20     CONTINUE
      ZM(M) = ZM(M) * CSUM
      SM(IY,M) = ZM(M)
C
C CALCULATE ANNUAL AVERAGES
C
      A(IY) = A(IY) + ZM(M)
3      CONTINUE
      A(IY) = A(IY) / 12.
2      CONTINUE
C
C PRINT MONTHLY AND ANNUAL AVERAGES
C
      WRITE(6,4) (I, I=1,12)
4      FORMAT(/,1X,'YEAR', 12(5X,I2,2X), 5X, 'ANNUAL'/)
      DO 101 IY = 1,91
      I = IY + 1890
      WRITE(6,1) I, (SM(IY,L), L = 1,12), A(IY)
1      FORMAT(1X, I4, 12(3X, F6.2), 5X, F6.2)
101    CONTINUE
      STOP
      END

```

TABLE 1. Monthly average zonal surface air temperature anomalies (1891-1981). The averages are based on calculations using the anomalies that have been corrected relative to the same 1881-1975 normal period (File 14). The averages are expressed in degrees Celsius.

YEAR	MO	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
1891	1	0.14	0.31	-0.07	-0.10	-0.12	-0.27	-0.32	-0.54	-0.61	-0.74	-0.82	-0.45	0.14	0.05	-0.10	-0.30	-0.39	-0.42	-0.50
1891	2	-0.04	-0.02	-0.01	-0.07	-0.13	-0.18	-0.30	-0.58	-0.92	-1.53	-1.79	-1.64	-0.82	-0.34	-0.78	-1.67	-1.54	0.02	-0.80
1891	3	0.08	0.05	-0.02	-0.20	-0.32	-0.57	-0.63	-0.54	-0.30	-0.11	0.50	0.89	1.06	0.55	0.29	0.21	0.54	0.51	0.50
1891	4	-0.12	0.06	0.15	0.17	0.07	-0.00	-0.12	-0.23	-0.23	-0.52	-0.53	-0.38	-0.57	-1.08	-1.25	-1.57	-1.35	-1.36	-1.30
1891	5	0.24	0.10	0.07	0.06	-0.03	-0.23	-0.19	-0.20	-0.07	0.12	-0.01	-0.14	-0.27	-0.50	-0.31	0.23	0.39	0.54	0.60
1891	6	-0.03	-0.06	-0.02	0.07	0.09	-0.13	-0.05	-0.12	-0.18	-0.03	0.01	0.09	0.28	0.12	0.52	0.61	0.32	0.37	0.30
1891	7	0.14	-0.27	-0.36	-0.24	-0.17	-0.03	0.15	-0.08	-0.32	-0.22	0.15	0.18	-0.20	-0.83	-1.03	-0.91	-0.47	-0.53	-0.60
1891	8	-0.07	0.01	0.03	0.02	-0.06	-0.07	0.09	0.06	0.02	0.15	0.17	0.08	-0.00	0.02	-0.07	-0.26	-0.30	-0.46	-0.47
1891	9	-0.17	0.04	0.09	0.10	0.04	0.06	0.16	0.32	0.39	0.30	0.13	-0.09	-0.44	-0.83	-0.89	-0.72	-0.69	-0.57	-0.60
1891	10	0.17	0.17	0.12	0.08	-0.04	-0.20	-0.12	-0.11	-0.06	0.01	-0.26	-0.82	-1.02	-0.72	-0.63	-0.57	-0.29	-0.39	-0.50
1891	11	0.02	0.01	0.04	0.01	-0.06	-0.12	-0.04	-0.14	-0.42	-0.79	-1.56	-1.85	-1.95	-1.49	-1.46	-1.00	-0.64	-0.51	-0.40
1891	12	0.10	0.10	0.06	0.10	0.08	0.04	0.14	0.30	0.47	0.89	1.27	1.04	-0.10	-1.57	-2.01	-2.37	-2.04	-1.72	-1.60
1892	1	0.04	-0.05	0.00	0.03	-0.04	-0.06	0.01	-0.00	-0.18	-0.21	-1.06	-1.22	-1.26	-1.76	-1.81	-1.30	-0.84	-0.57	-0.50
1892	2	-0.07	0.05	0.20	0.29	0.45	0.61	0.46	0.42	0.24	-0.24	-1.23	-1.55	-1.58	-1.76	-1.53	-1.28	-0.92	-0.70	-0.70
1892	3	-0.12	-0.13	-0.19	-0.23	-0.30	-0.09	-0.13	-0.49	-1.05	-1.90	-1.90	-1.29	-0.82	-0.49	-0.38	-0.42	-0.31	-0.29	-0.20
1892	4	-0.38	-0.26	-0.12	0.02	0.11	0.28	0.23	0.15	-0.05	-0.43	-0.61	-0.70	-0.67	-1.08	-1.09	-0.97	-1.05	-0.88	-0.80
1892	5	-0.26	-0.17	-0.06	0.02	0.09	0.07	-0.01	-0.01	-0.27	-0.34	-0.11	0.30	0.27	-0.53	-1.20	-1.71	-2.17	-2.39	-2.20
1892	6	-0.16	0.05	-0.04	0.0	-0.09	0.05	0.16	0.26	0.53	0.46	0.59	0.77	0.75	0.19	0.04	0.09	0.27	0.31	0.30
1892	7	-0.02	0.10	-0.04	0.04	0.11	0.07	0.04	0.00	0.13	0.10	0.34	-0.02	-0.21	-0.79	-1.08	-0.98	-0.75	-0.77	-0.60
1892	8	-0.13	-0.21	-0.29	-0.18	-0.14	-0.14	-0.06	-0.07	-0.01	0.14	0.27	0.04	-0.39	-0.69	-0.84	-0.66	-0.67	-0.65	-0.50
1892	9	0.21	0.13	-0.07	-0.22	-0.29	-0.21	-0.39	-0.31	-0.05	0.29	0.34	0.05	-0.12	-0.46	-0.56	-0.60	-0.50	-0.54	-0.70
1892	10	0.0	0.02	0.07	0.07	0.06	-0.03	-0.08	-0.07	-0.08	0.02	0.30	-0.01	0.36	0.58	0.52	0.96	1.04	1.02	1.00
1892	11	-0.15	-0.14	-0.11	-0.30	-0.30	-0.35	-0.41	-0.50	-0.63	-1.09	-1.34	-1.19	-0.48	-0.17	0.14	0.28	0.48	0.57	0.50
1892	12	-0.34	-0.39	-0.56	-0.51	-0.45	-0.48	-0.39	-0.45	-0.64	-0.75	-0.97	-0.72	-0.43	-0.63	-0.69	-0.33	-0.28	-0.40	-0.30
1893	1	-0.01	0.12	0.06	-0.02	-0.14	-0.32	-0.34	-0.49	-1.41	-2.32	-2.02	-1.72	-2.89	-2.89	-1.98	-0.17	1.04	1.15	1.00
1893	2	0.10	-0.17	-0.08	-0.13	-0.37	-0.69	-0.76	-0.99	-1.18	-1.45	-1.76	-1.39	-1.72	-2.11	-2.39	-1.50	-1.24	-0.84	-0.70
1893	3	-0.55	-0.61	-0.51	-0.51	-0.52	-0.26	-0.23	0.03	0.15	0.60	1.00	1.17	0.93	-0.42	-1.61	-2.38	-3.06	-3.32	-3.50
1893	4	0.0	-0.10	-0.46	-0.41	-0.35	-0.29	-0.08	0.02	-0.30	0.06	0.17	-0.18	-0.28	-0.34	-1.11	-1.95	-2.70	-2.79	-2.70
1893	5	-0.42	-0.36	-0.41	-0.29	-0.22	-0.04	0.07	0.05	-0.24	-0.49	-0.41	-0.23	0.01	0.27	0.35	0.47	0.44	0.24	0.10
1893	6	-0.27	0.06	-0.04	-0.02	-0.20	-0.18	0.09	0.17	0.13	0.43	0.71	0.71	0.53	0.43	0.02	-0.54	-1.12	-1.44	-1.40
1893	7	-0.01	-0.01	-0.01	0.17	0.32	0.31	0.27	0.14	0.03	0.10	0.25	0.27	0.21	-0.17	-0.73	-1.24	-1.41	-1.55	-1.50
1893	8	0.0	0.23	0.17	0.23	0.31	0.28	-0.21	-0.56	-0.36	-0.12	0.07	0.22	0.19	-0.08	-0.28	-0.54	-0.67	-0.75	-0.80
1893	9	-0.44	-0.19	-0.13	-0.03	0.07	-0.02	0.13	0.09	-0.01	-0.14	0.01	0.25	0.38	0.36	0.36	0.48	0.54	0.41	0.50
1893	10	-0.32	-0.12	0.08	0.07	-0.17	-0.19	-0.27	-0.27	-0.17	0.05	0.24	0.29	-0.09	-0.74	-1.12	-0.86	-0.87	-1.01	-1.00
1893	11	-0.06	0.10	0.19	0.01	0.01	0.02	-0.04	-0.08	0.11	0.41	0.40	0.58	0.30	0.27	0.23	0.43	0.29	0.56	0.50
1893	12	-0.69	-0.52	-0.34	-0.18	-0.09	0.02	0.15	0.17	0.20	-0.06	-0.24	-0.52	-1.76	-2.24	-2.14	-1.19	-0.79	-0.65	-0.60
1894	1	-0.05	-0.13	-0.18	-0.25	-0.15	-0.18	-0.23	-0.44	-0.45	-1.03	-1.04	-0.69	-0.89	-1.53	-2.17	-2.16	-2.13	-2.09	-2.10
1894	2	-0.10	0.05	0.07	-0.05	-0.15	-0.27	-0.43	-0.70	-0.67	-0.34	-0.11	0.12	-0.27	-0.80	-1.76	-2.77	-3.35	-3.38	-3.40
1894	3	-0.07	-0.16	-0.35	-0.30	-0.22	-0.21	-0.17	0.12	0.30	0.47	0.43	-0.02	-0.45	-0.73	-0.94	-0.57	-0.31	0.03	0.10
1894	4	0.05	0.16	0.19	0.13	0.06	0.04	-0.20	-0.29	-0.36	-0.25	-0.55	-0.87	-0.91	-0.29	-0.22	-0.54	-0.77	-0.89	-0.90
1894	5	0.0	0.10	0.16	0.09	0.10	-0.14	-0.37	-0.58	-0.69	-0.81	-0.71	-0.48	-0.15	0.45	1.04	0.74	0.55	0.59	0.50
1894	6	-0.10	0.02	-0.00	0.03	-0.01	-0.02	0.03	0.11	0.15	0.08	-0.23	-0.38	-0.67	-0.16	0.24	-0.07	-0.16	0.03	0.10
1894	7	0.0	0.09	0.03	0.0	-0.17	-0.37	-0.29	-0.15	0.05	0.22	0.02	0.07	0.27	0.48	0.57	0.49	0.62	0.52	0.40
1894	8	0.20	-0.14	-0.18	-0.08	-0.13	-0.20	-0.29	-0.17	0.09	-0.15	-0.29	0.04	0.33	0.46	0.58	0.36	-0.05	-0.29	-0.30
1894	9	0.0	-0.14	-0.04	0.00	0.04	-0.04	-0.15	-0.04	-0.10	-0.17	-0.51	-0.50	-0.19	-0.17	-0.09	0.17	0.32	0.36	0.50
1894	10	0.0	-0.04	-0.03	0.06	0.16	0.26	0.21	0.14	0.02	-0.30	-0.38	-0.37	-0.51	-0.51	-0.11	0.38	0.65	0.69	0.70
1894	11	0.47	0.03	-0.14	-0.26	-0.25	-0.11	-0.02	0.03	-0.16	-0.31	-0.52	-0.57	-1.22	-1.14	-0.84	-0.77	-0.64	-0.50	-0.50
1894	12	0.02	0.02	-0.06	-0.12	-0.13	-0.19	-0.46	-0.57	-0.77	-0.90	-0.83	-0.34	-0.12	0.02	-0.55	-1.11	-1.47	-1.34	-1.10

TABLE 1. (continued)

1895	1	-0.30	0.0	-0.07	-0.19	-0.23	-0.32	-0.57	-0.79	-0.87	-1.19	-1.47	-1.89	-1.90	-0.58	0.78	2.36	2.84	2.60	2.60
1895	2	-0.05	0.13	0.13	0.27	0.10	-0.10	-0.14	-0.06	-0.62	-0.96	-1.07	-1.42	-1.84	-0.95	-0.32	1.10	2.11	2.38	2.40
1895	3	-0.22	-0.11	-0.01	-0.11	-0.07	-0.21	-0.34	-0.45	-0.67	-0.79	-0.66	-0.21	0.25	0.04	-0.29	-0.43	-0.46	-0.45	-0.50
1895	4	0.0	0.03	0.14	0.14	0.16	0.27	0.19	0.31	0.36	0.47	0.46	-0.25	-0.94	-1.29	1.22	0.88	1.27	1.43	1.40
1895	5	0.20	-0.04	0.05	0.02	-0.01	-0.02	0.04	-0.01	-0.26	-0.36	-0.34	-0.10	-0.04	-0.09	0.55	1.16	1.35	1.34	1.30
1895	6	0.05	0.04	0.15	-0.01	-0.04	-0.10	-0.11	-0.11	-0.54	-0.42	-0.24	0.10	0.24	0.35	0.50	0.42	0.37	0.42	0.50
1895	7	-0.10	0.05	0.01	0.09	0.10	-0.03	-0.08	-0.50	-0.54	-0.42	-0.47	-0.41	-0.36	-0.37	-0.28	-0.34	-0.41	-0.30	
1895	8	0.29	0.06	0.06	0.01	0.10	0.05	0.04	-0.16	-0.19	-0.44	-0.27	-0.08	-0.04	-0.15	-0.46	-0.73	-0.81	-0.71	-0.80
1895	9	0.10	0.18	0.09	-0.04	-0.08	-0.06	0.04	0.04	0.27	0.36	0.27	0.33	0.07	0.20	-0.44	-0.20	-0.18	-0.26	-0.30
1895	10	-0.17	0.15	0.24	0.14	0.10	-0.00	-0.21	0.33	0.32	0.29	-0.33	-0.07	0.07	-0.20	-0.44	-0.20	-0.18	-0.26	-0.30
1895	11	0.0	0.07	-0.07	-0.07	0.23	0.36	0.11	0.00	-0.14	-0.27	-0.17	0.21	0.48	0.32	0.05	0.07	0.19	0.34	0.40
1895	12	-0.03	0.08	0.25	0.11	-0.02	0.00	0.10	0.03	0.05	0.06	-0.37	-0.81	-0.63	-0.42	-0.11	0.12	0.16	0.22	0.20
1896	1	0.80	0.20	0.19	0.09	0.09	0.20	0.26	0.24	0.61	0.52	-0.18	-0.48	0.26	-0.08	-1.40	-1.95	-2.05	-1.80	-1.30
1896	2	0.0	0.06	0.01	-0.21	-0.27	-0.42	-0.27	-0.03	-0.01	0.20	-0.26	-1.16	-1.18	-0.86	-0.43	0.04	0.38	0.01	-0.20
1896	3	0.0	0.16	0.34	0.08	0.02	0.09	-0.12	-0.31	-0.30	-0.63	-1.14	-0.88	-1.18	-2.07	-1.80	-0.71	-0.03	0.29	0.30
1896	4	-0.04	0.12	0.16	0.29	0.29	0.20	0.06	-0.09	-0.30	-0.52	-1.07	-1.25	-1.66	-1.82	-1.43	-0.83	-0.55	-0.27	-0.20
1896	5	0.10	0.26	0.44	0.53	0.47	0.17	0.08	0.11	0.08	0.04	0.18	0.09	0.42	0.71	1.12	1.75	0.99	0.10	-0.30
1896	6	-0.03	0.08	0.22	0.31	0.25	0.37	0.18	0.21	0.10	0.26	0.67	0.89	0.71	0.28	0.16	0.32	0.88	1.64	2.00
1896	7	0.07	0.08	0.09	0.06	0.06	-0.10	-0.06	-0.09	-0.18	-0.35	-0.35	-0.39	0.08	0.16	0.26	0.14	-0.09	-0.27	-0.30
1896	8	0.0	0.02	0.01	0.03	0.04	-0.01	-0.06	-0.11	-0.14	-0.21	-0.12	-0.02	-0.14	-0.53	-0.89	-1.27	-1.58	-1.66	-1.30
1896	9	-0.10	-0.05	0.08	0.07	0.10	-0.07	-0.16	-0.28	-0.58	-0.64	-0.39	-0.15	0.04	0.21	0.32	0.01	-0.59	-1.04	-1.20
1896	10	0.0	0.03	0.29	0.42	0.39	0.22	-0.07	-0.54	-0.42	-0.28	0.00	0.54	1.27	1.53	1.24	0.98	0.49	0.02	0.0
1896	11	-0.10	-0.02	0.21	0.45	0.44	-0.27	0.06	-0.02	-0.10	-0.23	-0.57	-0.77	-1.06	-0.75	-0.66	-0.22	0.38	0.84	1.20
1896	12	-0.10	-0.04	0.21	0.17	0.12	0.05	0.21	0.32	0.31	-0.01	-0.60	-1.15	-1.20	-1.34	-0.49	1.04	1.54	2.00	
1897	1	-0.10	0.13	0.13	0.13	0.16	0.13	-0.13	-0.40	-0.44	-0.53	-0.98	-1.01	-0.59	0.38	0.94	1.07	0.42	-0.22	-0.40
1897	2	0.05	0.39	0.42	0.41	0.30	-0.02	-0.18	-0.44	-0.04	0.67	0.85	0.72	0.44	-0.61	-2.19	-3.23	-3.08	-2.69	-2.60
1897	3	0.42	0.16	0.24	0.19	0.27	0.27	0.04	-0.45	-0.65	-1.22	-1.76	-2.24	-1.93	-1.44	-0.27	0.49	0.68	0.70	0.80
1897	4	0.0	-0.01	0.03	0.26	0.01	0.01	0.17	-0.03	-0.11	0.01	0.11	0.24	0.57	0.68	1.37	1.41	0.92	0.51	-0.00
1897	5	-0.05	0.03	0.03	0.04	0.12	-0.08	-0.08	-0.35	-0.31	-0.44	-0.26	0.33	0.71	0.89	0.92	0.66	0.34	0.22	0.10
1897	6	-0.17	0.0	0.01	0.12	0.12	0.07	-0.06	-0.13	-0.14	-0.06	0.01	-0.13	0.20	0.25	0.53	0.56	0.44	0.45	0.50
1897	7	0.03	0.02	-0.09	0.04	0.08	0.15	0.07	0.07	0.11	0.21	0.32	0.40	0.12	-0.17	-0.02	0.29	0.37	0.35	0.50
1897	8	-0.03	0.04	-0.15	-0.06	0.07	-0.13	-0.21	-0.11	0.27	0.47	0.42	0.24	0.14	0.27	0.35	0.32	0.33	0.27	0.20
1897	9	0.10	0.04	0.22	0.25	0.20	0.04	0.04	0.09	0.11	0.14	0.24	0.18	-0.12	-0.20	0.36	0.51	0.67	0.60	0.50
1897	10	0.0	-0.03	-0.04	-0.13	-0.08	-0.07	-0.13	-0.30	-0.43	-0.39	-0.66	0.47	1.63	0.86	-0.11	-0.92	-1.22	-1.36	-1.30
1897	11	0.10	0.03	-0.05	-0.12	-0.20	-0.22	-0.36	-0.45	-0.46	-0.39	-0.56	0.21	1.16	1.42	1.46	1.19	0.69	0.40	0.30
1898	1	0.0	-0.05	-0.18	-0.14	-0.25	0.09	0.28	0.16	0.10	0.79	1.27	1.56	1.34	0.43	-0.77	-2.09	-2.88	-3.26	-3.30
1898	2	-0.04	-0.10	-0.05	-0.12	-0.11	-0.11	-0.05	0.03	0.01	-0.11	-0.41	-0.98	-1.15	-2.01	-2.58	-2.57	-2.60	-2.39	-2.40
1898	3	-0.10	0.02	0.06	-0.10	-0.09	-0.14	-0.27	-0.52	-1.01	-2.06	-2.50	-1.88	-1.07	-0.87	-0.16	0.31	0.43	0.55	0.60
1898	4	-0.10	0.05	0.22	0.15	0.15	0.20	-0.03	-0.12	-0.42	-0.71	-0.82	-0.33	0.17	0.22	0.50	0.51	0.68	0.67	0.70
1898	5	-0.05	-0.02	-0.00	0.02	0.16	0.15	0.08	0.02	-0.29	-0.39	-0.34	-0.27	0.44	0.26	0.43	0.31	0.02	-0.24	-0.30
1898	6	-0.10	0.04	0.36	0.70	0.69	0.37	0.19	0.14	-0.16	-0.23	-0.13	0.30	0.30	0.47	0.77	0.97	-1.02	-0.76	-0.70
1898	7	0.0	0.08	0.04	0.01	0.05	0.03	0.06	0.04	0.15	-0.21	-0.17	-0.09	-0.13	-0.10	0.22	0.03	-0.29	-0.52	-0.50
1898	8	-0.10	-0.06	-0.04	-0.11	-0.10	0.04	0.11	0.17	0.11	0.04	0.28	0.49	0.24	-0.01	-0.30	-0.58	-0.65	-0.68	-0.70
1898	9	0.10	0.04	-0.08	-0.14	-0.10	-0.05	0.07	0.06	-0.01	-0.26	-0.28	-0.19	-0.15	0.16	0.60	0.59	0.52	0.49	0.40
1898	10	0.0	-0.01	0.0	-0.01	0.06	0.12	0.25	0.41	0.23	-0.15	-0.59	-0.95	-1.00	-0.81	0.36	0.38	1.10	1.43	1.40
1898	11	0.10	0.32	0.26	0.21	0.24	-0.11	0.01	-0.11	-0.15	0.11	0.49	0.53	0.16	-0.24	-0.49	-0.61	-0.52	-0.41	-0.30
1898	12	-0.13	-0.01	0.0	-0.16	-0.23	-0.51	-0.77	-0.60	-0.31	0.45	1.39	2.07	1.15	-0.77	-3.00	-4.71	-5.73	-6.38	-6.70
1899	1	-1.10	-0.45	-0.39	-0.36	-0.45	-0.43	-0.31	-0.07	0.56	1.22	1.28	1.14	0.16	-1.00	-1.40	-0.97	-0.63	-0.59	-0.60
1899	2	0.0	-0.05	-0.20	-0.09	0.03	0.11	0.09	0.10	0.16	0.29	-0.13	-0.20	-0.69	-1.70	-1.88	-1.31	-0.79	-0.57	-0.50
1899	3	0.03	-0.05	0.05	0.05	0.05	0.26	0.34	0.26	0.11	-0.26	-0.30	-0.07	-0.19	-1.47	-1.95	-1.81	-1.45	-1.19	-1.10
1899	4	0.05	0.12	0.15	0.05	0.15	0.21	0.16	0.24	0.40	0.24	0.23	0.40	0.16	-0.62	-0.93	-1.15	-1.37	-1.62	-2.00
1899	5	0.0	0.44	0.29	0.32	0.33	0.33	0.43	0.41	0.25	0.0	-0.21	-0.23	-0.42	-0.52	-0.10	0.24	0.39	0.49	0.40
1899	6	-0.05	0.0	-0.07	0.03	-0.00	0.01	0.01	0.17	0.16	0.02	-0.17	-0.35	-0.47	-0.26	-0.15	0.38	-0.67	-0.81	-0.90
1899	7	0.0	0.13	0.52	0.37	0.19	0.05	0.09	0.08	0.19	-0.02	-0.11	0.11	0.35	-0.23	-0.10	-0.34	-0.48	-0.53	-0.50
1899	8	0.0	0.90	0.46	0.34	0.34	0.30	0.16	0.08	0.06	0.09	0.10	0.07	-0.07	-0.36	-0.29	-0.22	-0.38	-0.42	-0.40
1899	9	0.03	0.38	0.42	0.32	0.21	-0.03	-0.22	-0.12	0.02	0.06	0.08	0.37	0.23	-0.18	-0.34	-0.61	-0.66	-0.67	-0.70
1899	10	-0.10	-0.05	0.02	0.15	0.13	-0.07	-0.10	0.04	0.32	0.13	0.64	1.65	2.09	1.92	1.25	0.35	0.34	0.52	0.50
1899	11	0.0	-0.11	-0.10	-0.17	-0.18	-0.22	-0.30	-0.17	0.11	0.64	1.65	2.09	1.92	1.25	0.35	0.34	0.52	0.50	0.50
1899	12	0.35	0.25	0.09	0.07	0.28	-0.26	-0.01	-0.28	-0.71	-1.19	-1.09	-1.27	-0.79	-0.22	0.78	1.55	2.03	2.19	2.20

TABLE 1. (continued)

1900	1	0.77	0.93	0.69	0.68	0.43	-0.16	-0.62	-0.49	-0.35	-0.03	-0.17	-0.93	-1.84	-2.65	-2.23	-0.48	0.97	1.61	1.80
1900	2	0.18	0.45	0.57	0.51	0.50	0.26	-0.05	-0.52	-0.71	-0.42	-0.06	0.21	-0.08	-0.05	-0.09	0.83	1.43	1.75	1.90
1900	3	0.82	0.79	0.92	0.70	0.55	0.47	0.40	0.41	0.20	0.09	0.19	0.64	1.12	1.63	2.25	2.68	3.19	3.53	3.50
1900	4	0.0	0.83	0.89	0.85	0.79	0.58	0.04	-0.27	-0.31	-0.18	0.0	0.01	-0.21	-0.71	-0.44	-0.27	-0.18	0.22	0.30
1900	5	-0.05	0.26	0.37	0.28	0.15	-0.05	-0.04	0.03	0.23	0.42	0.54	0.66	0.64	0.51	0.52	0.54	0.52	0.46	0.40
1900	6	0.50	0.08	-0.02	0.01	-0.01	-0.15	-0.48	-0.58	-0.24	0.09	0.38	0.33	-0.21	-0.38	-0.11	0.31	0.60	0.65	0.60
1900	7	0.0	0.04	-0.00	-0.00	-0.06	-0.26	-0.43	-0.26	-0.19	-0.22	-0.24	-0.35	-0.19	-0.16	0.12	0.46	0.44	0.41	0.40
1900	8	0.10	0.23	0.18	0.04	0.08	0.09	0.07	0.07	0.17	0.16	0.10	-0.12	-0.19	-0.78	-1.06	-0.78	-0.50	-0.32	-0.20
1900	9	0.10	0.13	0.07	-0.07	0.03	0.18	0.64	0.82	0.71	0.48	0.17	0.21	0.34	0.05	0.06	-0.14	-0.30	-0.41	-0.40
1900	10	0.90	0.82	0.58	0.45	0.36	0.31	0.37	0.53	0.85	0.84	0.71	0.37	0.17	-0.11	-0.80	-1.14	-0.81	-0.62	-0.60
1900	11	0.10	0.05	0.23	0.22	0.23	0.18	0.27	0.41	0.38	0.04	-0.53	-0.80	-1.06	-0.38	1.02	1.53	1.91	2.13	2.20
1900	12	0.10	0.0	0.09	0.14	0.22	0.12	0.07	0.12	0.27	0.52	0.70	1.07	0.63	-1.08	-2.27	-2.04	-1.90	-1.81	-1.80
1901	1	0.0	0.16	0.65	0.62	0.55	0.26	0.17	0.01	-0.13	-0.12	-0.22	-0.13	-1.04	-1.85	-2.17	-2.29	-2.37	-2.63	-2.80
1901	2	-0.10	0.09	0.17	0.19	0.06	-0.28	-0.61	-0.65	-0.72	-0.61	0.62	1.63	2.08	1.36	2.04	2.64	2.95	2.72	2.60
1901	3	0.0	0.21	0.31	0.17	0.06	0.22	0.34	0.59	0.65	0.82	0.97	1.35	1.58	1.25	2.19	2.36	2.24	1.92	1.60
1901	4	0.0	0.24	0.19	0.20	0.22	0.09	-0.14	-0.12	0.16	0.73	1.21	1.20	0.84	0.18	0.05	-0.51	-0.70	-0.65	-0.70
1901	5	0.0	0.11	-0.08	0.05	-0.14	-0.27	-0.38	-0.44	-0.13	0.41	0.82	0.90	0.83	0.66	0.82	0.49	0.10	-0.04	-0.20
1901	6	0.40	0.19	0.11	0.28	0.33	0.28	-0.02	-0.19	0.17	0.01	0.05	-0.14	-0.33	-0.34	-0.27	-0.42	-0.46	-0.51	-0.60
1901	7	0.10	0.38	0.28	0.26	0.28	0.23	-0.01	-0.09	0.09	0.11	0.20	0.22	-0.04	-0.75	-1.02	-1.27	-1.36	-1.51	-1.30
1901	8	0.0	0.48	0.33	0.17	0.09	0.09	0.10	-0.07	-0.24	-0.05	0.38	0.48	0.10	-0.81	-1.42	-1.87	-1.98	-1.85	-1.80
1901	9	0.0	0.05	0.19	0.17	-0.01	-0.10	0.00	0.04	0.02	-0.04	-0.07	-0.16	-0.29	-0.17	-0.02	-0.52	-0.61	-0.58	-0.60
1901	10	0.0	0.68	0.56	0.41	0.10	0.07	0.02	-0.11	-0.29	-0.48	-0.49	-0.28	-0.34	-0.49	-0.90	-1.50	-1.78	-1.92	-1.90
1901	11	-0.20	0.38	0.43	0.30	0.02	0.04	-0.01	-0.06	-0.14	-0.02	0.33	0.43	0.59	0.39	0.17	-0.09	0.14	0.47	1.10
1901	12	0.0	0.17	0.26	0.14	0.03	-0.07	-0.17	-0.03	0.51	0.72	0.94	0.50	0.11	0.57	-0.32	-1.20	-1.63	-1.83	-2.00
1902	1	-0.04	0.22	0.00	0.01	0.10	0.30	0.46	0.67	0.83	1.25	1.57	1.05	-0.19	-1.76	-3.18	-3.98	-4.55	-5.07	-5.20
1902	2	-0.05	0.19	0.17	0.21	0.29	0.30	0.20	0.15	0.07	0.74	1.44	1.89	1.87	0.92	-0.26	-2.28	-4.19	-5.19	-6.00
1902	3	-0.07	-0.02	0.10	0.34	0.57	0.71	0.66	0.51	0.77	1.35	1.57	0.58	-1.29	-3.33	-3.88	-4.98	-6.57	-7.91	-8.70
1902	4	0.10	0.10	0.20	0.27	0.25	0.22	0.07	-0.06	-0.01	-0.40	-0.75	-0.75	-0.96	-0.82	-0.78	-1.11	-1.20	-1.20	-1.20
1902	5	0.10	0.11	0.13	0.18	0.09	0.11	0.09	0.10	-0.05	-0.62	-0.67	-0.53	-0.88	-1.54	-1.12	-0.46	-0.33	-0.36	-0.40
1902	6	0.0	-0.01	-0.08	-0.10	-0.03	-0.23	-0.34	-0.32	-0.22	-0.23	-0.14	-0.09	-0.29	-0.71	-0.63	-0.48	-0.42	-0.44	-0.60
1902	7	0.0	0.27	0.17	0.09	0.03	-0.26	-0.45	-0.61	-0.73	-0.80	-0.32	-0.07	0.24	0.21	-0.20	0.47	1.05	1.18	1.10
1902	8	0.35	0.43	0.56	0.54	0.34	0.15	-0.24	-0.58	-0.75	-0.49	-0.03	0.08	0.01	-0.14	-0.52	-1.00	-1.46	-1.91	-1.90
1902	9	0.20	0.07	0.34	0.30	0.14	-0.07	-0.26	-0.42	-0.31	-0.08	0.09	-0.13	-0.37	-0.73	-1.08	-1.38	-1.64	-1.85	-2.00
1902	10	0.20	0.16	0.30	0.05	-0.21	-0.47	-0.47	0.0	0.34	0.19	-0.20	-0.61	-1.06	-1.34	-0.80	-0.10	0.44	0.24	0.20
1902	11	0.10	-0.26	-0.13	-0.07	-0.02	0.02	0.04	0.17	0.36	-0.29	-0.95	-1.43	-2.03	-1.72	-0.92	-0.60	-0.54	-0.54	-0.90
1902	12	0.10	-0.53	-0.64	-0.41	-0.44	-0.46	-0.26	-0.20	-0.12	-0.16	-0.79	-1.67	-2.43	-2.52	-2.64	-3.21	-3.65	-4.04	-4.10
1903	1	-0.03	0.20	0.18	0.02	0.05	-0.22	-0.32	-0.11	0.16	0.63	0.90	0.76	-0.04	-0.85	-0.49	-0.65	-0.86	-1.07	-1.00
1903	2	0.17	-0.06	-0.07	-0.17	-0.26	-0.38	-0.39	-0.29	-0.29	0.67	1.67	2.26	1.51	0.97	0.64	-0.86	-1.14	-0.89	-0.70
1903	3	0.0	-0.17	0.06	0.15	0.28	0.15	-0.33	-0.59	-0.42	-0.39	-0.16	0.38	0.84	0.99	0.67	0.01	-0.31	-0.32	-0.40
1903	4	-0.13	-0.13	0.32	0.41	0.31	0.20	-0.22	-0.36	-0.47	-0.70	-0.66	-0.39	-0.57	-0.90	-0.82	-0.74	-0.78	-0.86	-0.90
1903	5	-0.20	-0.11	-0.02	0.06	0.10	-0.00	-0.43	-0.33	-0.35	-0.45	-0.63	-0.74	-0.65	-0.55	-0.27	-0.38	-0.42	-0.41	-0.40
1903	6	-0.07	0.0	0.16	0.21	0.11	-0.27	-0.66	-0.90	-1.04	-0.81	-0.43	-0.18	-0.17	-0.35	-0.19	-0.27	-0.42	-0.40	-0.50
1903	7	-0.30	-0.10	-0.03	0.02	0.13	0.02	-0.40	-0.55	-0.49	-0.87	-0.83	-0.67	-0.44	-0.36	-0.27	-0.43	-0.76	-0.86	-1.00
1903	8	-0.20	-0.20	-0.15	-0.13	0.04	0.13	0.22	-0.09	-0.35	-0.69	-0.62	-0.49	-0.28	-0.48	-1.10	-1.60	-1.73	-1.71	-1.70
1903	9	0.10	-0.10	-0.29	-0.24	-0.28	-0.42	-0.43	-0.54	-0.43	-0.37	-0.31	-0.26	-0.03	0.17	0.12	0.27	0.43	0.38	0.40
1903	10	-0.10	0.04	0.05	-0.17	-0.34	-0.43	-0.59	-0.49	-0.17	-0.29	-0.57	-0.97	-0.97	-1.25	-1.52	-1.27	-0.79	-0.54	-0.30
1903	11	0.10	-0.21	-0.04	-0.36	-0.66	-0.81	-0.83	-0.84	-0.79	-0.67	-0.34	0.18	0.78	1.05	0.49	-0.10	-0.27	-0.44	-0.40
1903	12	-0.10	-0.26	-0.12	-0.28	-0.38	-0.31	-0.31	-0.34	-0.56	-0.89	-0.94	-0.16	0.55	0.78	0.54	0.41	0.25	0.03	-0.10
1904	1	0.0	-0.75	-0.32	-0.22	-0.17	-0.24	-0.33	-0.63	-0.69	-0.92	-0.50	0.04	0.91	0.96	-0.38	-0.80	-0.82	-0.65	-0.60
1904	2	-0.40	-0.67	-0.65	-0.53	-0.29	0.03	0.44	0.53	0.28	0.03	-0.07	-0.63	-1.82	-1.69	-0.73	-0.71	-0.26	-0.17	-0.20
1904	3	0.0	-0.28	-0.18	-0.06	-0.01	-0.06	-0.14	-0.25	-0.56	-1.11	-1.54	-0.82	0.16	1.50	2.31	1.45	0.73	0.67	0.60
1904	4	-1.00	-0.46	-0.59	-0.60	-0.58	-0.34	-0.18	-0.39	-0.56	-1.09	-1.31	-0.54	0.26	0.74	0.57	-0.14	-0.45	-0.44	-0.40
1904	5	-0.38	-0.47	-0.40	-0.57	-0.59	-0.48	-0.34	-0.21	-0.10	0.04	-0.17	-0.36	-0.21	-0.19	-0.10	-0.27	-0.31	-0.27	-0.30
1904	6	0.0	-0.07	-0.08	-0.07	-0.20	-0.14	-0.16	-0.27	-0.38	-0.34	-0.61	-0.75	-0.62	-0.13	-0.05	-0.36	-0.58	-0.55	-0.60
1904	7	0.0	-0.06	-0.01	-0.09	-0.25	-0.29	-0.30	-0.30	-0.24	-0.30	-0.50	-1.03	-0.85	-0.12	0.56	0.51	0.51	0.47	0.50
1904	8	-0.20	-0.13	-0.29	-0.27	-0.43	-0.60	-0.50	-0.49	-0.46	-0.51	-0.58	-0.72	-0.46	-0.31	0.09	0.44	0.53	0.50	0.50
1904	9	0.20	-0.07	-0.05	-0.17	-0.22	-0.16	-0.13	-0.21	-0.33	-0.57	-0.71	-0.76	-0.77	-1.06	-0.77	-0.58	-0.35	-0.39	-0.40
1904	10	0.0	0.39	0.21	0.22	0.10	-0.03	-0.15	-0.32	-0.51	-0.57	-0.38	-0.34	-0.23	-0.32	-0.29	-0.77	-0.90	-0.82	-0.80
1904	11	0.05	0.07	-0.04	-0.15	-0.33	-0.35	-0.31	-0.35	-0.26	0.10	0.92	1.57	1.58	0.54	-0.22	-0.41	-0.49	-0.53	-0.60
1904	12	0.10	-0.24	-0.24	-0.27	-0.18	-0.15	-0.16	-0.17	-0.13	-0.14	0.53	0.55	0.11	-0.40	-0.41	-0.48	-0.63	-0.61	-0.60

TABLE 1. (continued)

1905	1	-0.06	-0.05	-0.14	-0.29	-0.40	-0.44	-0.46	-0.44	-0.45	-0.23	0.21	0.77	1.42	1.44	0.39	-0.74	-1.04	-1.31	-1.50
1905	2	0.13	-0.17	-0.34	-0.60	-1.07	-1.56	-1.90	-1.99	-1.71	-1.06	0.17	1.01	1.53	1.54	0.83	0.17	0.23	0.58	0.90
1905	3	0.15	0.03	-0.20	-0.21	-0.47	-0.69	-0.81	-0.80	-0.77	-1.16	-0.76	0.36	1.27	1.94	2.71	3.54	3.71	3.69	3.60
1905	4	0.50	0.56	0.23	0.14	0.04	-0.27	-0.53	-0.66	-0.67	-0.95	-0.77	-0.16	0.32	0.21	-0.01	-0.23	-0.29	-0.42	0.30
1905	5	0.0	0.19	0.09	-0.14	-0.13	-0.13	-0.24	-0.51	-0.73	-0.77	-0.23	0.31	0.01	-0.06	0.19	0.32	0.22	0.49	0.90
1905	6	0.10	0.07	0.24	0.22	0.22	-0.08	-0.37	-0.42	-0.49	-0.48	0.04	0.16	-0.21	-0.66	-0.96	-1.34	-1.43	-1.48	1.40
1905	7	0.0	0.23	0.23	0.22	0.14	-0.05	-0.29	-0.48	-0.33	-0.03	0.24	0.08	-0.27	-0.83	-1.09	-1.40	-1.67	-1.77	-1.80
1905	8	0.10	0.08	0.18	0.11	0.10	-0.10	-0.47	-0.72	-0.81	-0.54	0.13	0.13	-0.04	-0.44	-0.48	-0.44	-0.38	-0.33	-0.30
1905	9	0.0	-0.03	0.02	0.17	0.10	-0.09	-0.27	-0.53	-0.41	-0.02	-0.10	-0.07	-0.25	-0.66	-1.24	-1.68	-1.97	-2.28	-2.30
1905	10	0.0	0.13	-0.01	0.02	0.06	0.14	-0.31	-0.45	-0.40	-0.18	0.14	0.16	-0.16	-1.24	-1.91	-1.83	-1.85	-2.13	-2.10
1905	11	0.05	0.03	0.19	0.35	0.37	0.32	0.16	0.08	0.12	0.18	0.29	0.66	1.02	0.40	-1.04	-2.22	-2.72	-3.25	-3.20
1905	12	-0.10	0.10	0.20	-0.02	-0.16	-0.38	-0.69	-0.60	-0.29	0.07	0.78	0.88	0.11	-1.39	-2.72	-3.47	-3.85	-4.09	-4.10
1906	1	-0.30	0.29	0.22	0.08	-0.02	-0.05	-0.04	0.21	0.43	0.68	0.92	0.10	-1.15	-1.34	-2.31	-3.00	-3.51	-3.61	-3.60
1906	2	-0.10	0.47	0.39	0.22	-0.21	-0.66	-0.71	-0.54	-0.55	-0.73	-0.63	-0.64	-0.53	-0.52	-0.65	-1.10	-1.31	-1.42	-1.40
1906	3	0.0	-0.11	0.04	-0.28	-0.36	-0.63	-0.74	-1.00	-0.99	-0.60	0.51	1.10	1.45	1.00	0.15	-0.51	-0.93	-1.12	-1.30
1906	4	0.35	-0.34	-0.28	-0.32	-0.40	-0.42	-0.50	-0.38	-0.30	-0.39	1.23	1.62	1.20	0.92	0.16	-0.24	-0.37	-0.46	-0.43
1906	5	0.0	0.22	0.37	0.32	0.19	0.06	-0.19	-0.41	-0.47	-0.39	0.00	0.43	0.57	0.16	-0.24	-0.37	-0.46	-0.43	-0.40
1906	6	0.10	0.08	0.11	-0.01	-0.05	-0.16	-0.31	-0.61	-0.83	-0.42	0.20	0.85	1.46	1.37	0.66	-0.29	-0.58	-0.68	-0.70
1906	7	-0.20	-0.07	-0.15	-0.19	-0.12	-0.10	-0.17	-0.39	-0.44	-0.09	0.38	0.32	-0.09	-0.36	-0.48	-0.65	-0.76	-0.68	-0.70
1906	8	0.10	-0.07	-0.11	-0.08	0.01	-0.04	-0.22	-0.28	-0.34	-0.28	-0.02	0.41	0.61	0.81	0.48	-0.02	-0.36	-0.47	-0.50
1906	9	0.07	0.09	-0.07	-0.06	0.01	-0.00	-0.12	-0.31	-0.49	-0.42	-0.26	0.12	0.46	0.67	0.89	0.69	0.36	0.04	-0.10
1906	10	-0.10	0.30	0.07	-0.16	-0.11	-0.11	-0.16	-0.18	-0.35	-0.31	-0.13	0.27	0.87	1.27	1.18	0.78	0.38	0.05	0.0
1906	11	0.05	0.07	0.05	0.15	0.32	0.34	0.08	-0.35	-0.66	-0.66	-0.37	0.18	0.78	1.27	1.18	0.78	0.38	0.05	0.0
1906	12	-0.10	0.06	0.01	-0.11	0.04	0.11	0.21	0.28	0.63	0.81	1.55	1.78	2.26	1.74	1.06	-0.65	-0.61	-0.58	-0.60
1907	1	-0.23	-0.10	-0.27	-0.29	-0.20	0.09	0.41	0.49	0.46	-0.34	-0.97	-1.48	-2.16	-1.84	-1.47	-0.86	-0.61	-0.22	-0.30
1907	2	-0.10	-0.10	-0.17	-0.42	-0.47	-0.41	-0.74	-0.46	-0.31	-0.66	-0.78	-0.98	-0.98	-0.89	-0.34	0.07	0.02	-0.41	-0.70
1907	3	-0.13	-0.28	-0.46	-0.42	-0.44	-0.52	-0.52	-0.46	-0.33	-0.22	-0.05	-0.09	0.07	0.29	0.64	-0.04	-0.47	-0.82	-1.10
1907	4	0.0	0.17	0.14	-0.11	-0.30	-0.21	-0.31	-0.39	-0.45	-0.64	-0.77	-0.59	0.09	0.40	0.76	0.62	0.44	0.38	0.50
1907	5	0.0	-0.06	-0.10	-0.16	-0.20	-0.31	-0.51	-0.64	-0.85	-0.38	-0.39	-0.69	-0.89	-0.66	-0.54	-0.34	-0.25	-0.33	-0.30
1907	6	0.0	0.11	-0.01	-0.24	-0.22	-0.37	-0.74	-0.84	-0.80	-0.42	-0.39	-0.38	-0.27	0.07	0.36	0.30	0.15	0.0	0.0
1907	7	0.0	0.88	-0.04	0.07	0.17	0.20	-0.11	-0.36	-0.32	-0.14	-0.01	-0.07	-0.40	-0.71	-0.49	-0.42	-0.51	-0.48	-0.50
1907	8	0.0	-0.01	-0.03	-0.10	-0.21	-0.07	-0.24	-0.19	-0.31	-0.41	-0.09	-0.39	-0.19	-0.23	0.14	0.09	-0.10	-0.36	-0.20
1907	9	-0.19	-0.09	-0.08	-0.11	-0.15	-0.15	-0.04	-0.15	-0.26	-0.19	-0.09	-0.07	0.01	0.0	0.01	-0.21	-0.42	-0.57	-0.70
1907	10	0.05	-0.06	-0.02	0.03	0.13	0.09	-0.24	-0.54	-0.55	-0.35	0.01	0.38	0.44	0.65	0.63	0.32	0.03	-0.16	-0.20
1907	11	0.0	-0.05	-0.05	-0.13	-0.12	-0.10	-0.17	-0.38	-0.68	-0.84	-1.19	-1.22	-1.63	-2.11	-1.16	-0.01	-0.51	-0.47	-0.50
1907	12	0.0	-0.13	-0.24	-0.15	-0.06	0.02	0.12	0.22	0.34	0.54	0.26	0.38	1.07	1.38	-1.44	-0.39	0.31	0.42	0.50
1908	1	0.10	0.17	0.20	-0.06	0.07	0.13	0.27	0.41	0.46	0.20	0.10	-0.10	-0.27	-1.38	-1.44	-0.39	0.31	0.42	0.50
1908	2	0.0	0.30	-0.35	-0.47	-0.38	-0.21	-0.23	-0.29	-0.15	0.02	0.43	1.02	1.91	2.24	1.63	1.15	1.19	1.46	1.50
1908	3	0.0	0.0	-0.30	-0.49	-0.22	0.01	0.05	-0.09	-0.57	-0.83	-1.22	-1.74	-1.95	-1.74	-0.66	-0.04	0.66	1.17	1.52
1908	4	0.10	0.0	0.04	0.11	0.13	0.12	-0.00	-0.19	-0.25	-0.45	-0.82	-1.02	-0.81	-0.66	-0.04	0.66	1.17	1.52	1.50
1908	5	0.0	-0.32	-0.40	-0.17	-0.04	0.05	0.04	-0.02	-0.19	-0.11	-0.04	-0.06	0.02	0.38	0.40	0.39	0.31	0.32	0.40
1908	6	0.0	0.07	0.21	-0.04	0.02	-0.03	0.27	-0.46	-0.51	-0.14	-0.04	-0.05	0.37	1.16	1.29	0.44	0.30	-0.50	-0.50
1908	7	0.0	-0.17	-0.16	-0.22	-0.14	-0.17	-0.10	-0.26	-0.36	-0.47	-0.26	-0.01	0.58	1.34	2.29	2.20	2.42	2.80	3.10
1908	8	0.0	-0.20	-0.15	-0.26	-0.26	-0.23	-0.15	-0.17	-0.09	-0.23	-0.27	-0.39	-0.44	-0.31	0.07	0.69	1.39	1.95	2.20
1908	9	0.0	0.11	0.03	-0.09	-0.14	-0.23	-0.31	-0.42	-0.30	-0.20	0.13	0.39	0.59	0.62	0.63	0.39	1.57	1.54	1.60
1908	10	0.0	0.03	-0.10	-0.14	-0.14	-0.24	-0.28	-0.27	-0.15	-0.83	-0.57	-0.11	0.35	0.62	0.59	0.34	-0.02	-0.13	-0.20
1908	11	-1.10	-0.26	-0.30	-0.40	-0.14	-0.36	-0.27	-0.20	-0.15	-0.33	-0.67	-0.11	0.35	-1.33	-2.22	-3.09	-3.74	-4.04	-4.10
1908	12	0.0	0.10	-0.10	-0.39	-0.02	0.15	-0.07	-0.24	-0.24	-0.29	-0.44	-0.50	-0.82	-0.86	-1.44	-1.01	-0.37	0.13	0.30
1909	1	0.0	-0.11	-0.21	-0.25	-0.16	-0.05	-0.23	-0.49	-0.33	-1.24	-1.74	-1.76	-1.75	-1.59	-1.88	-1.27	-0.80	-0.61	-0.60
1909	2	-0.20	-0.15	0.15	-0.29	0.22	-0.22	-0.44	-0.41	0.01	-0.36	-0.77	-1.04	-0.27	1.23	2.17	3.13	3.18	3.30	3.30
1909	3	0.0	-0.22	-0.06	0.16	0.34	0.38	0.07	-0.32	-0.41	-0.99	-1.63	-0.86	-0.37	-0.65	-1.05	-2.15	-3.11	-3.95	-4.10
1909	4	0.0	0.02	-0.28	-0.29	-0.25	-0.20	-0.16	-0.11	-0.37	-0.36	-0.28	-0.48	-0.79	-0.97	-0.65	0.10	0.81	1.02	0.90
1909	5	0.15	0.41	0.14	0.23	0.09	-0.02	-0.28	-0.37	-0.57	-0.54	-0.22	0.13	0.21	-0.75	-0.21	0.17	0.42	0.50	0.40
1909	6	-0.20	0.08	-0.13	-0.07	-0.13	-0.23	-0.01	-0.17	-0.28	-0.22	0.13	0.21	0.31	-0.03	0.09	0.54	0.51	0.46	0.40
1909	7	0.0	0.03	-0.11	-0.18	-0.13	-0.22	-0.28	-0.37	-0.30	-0.20	0.32	0.14	0.19	0.54	0.86	0.80	0.70	0.64	0.80
1909	8	0.0	0.04	-0.11	-0.26	-0.29	-0.38	-0.16	-0.06	-0.12	0.25	0.32	0.26	0.19	0.59	1.24	1.91	2.20	2.29	2.30
1909	9	-0.30	0.26	0.07	-0.14	-0.01	-0.24	-0.16	-0.03	-0.47	-0.17	0.22	0.49	0.40	0.31	0.52	0.96	1.37	1.43	1.40
1909	10	-0.10	0.32	0.14	-0.09	-0.14	-0.12	-0.05	-0.10	-0.21	-0.23	-0.05	0.26	0.58	0.48	-0.63	-1.65	-1.96	-2.19	-2.30
1909	11	-0.10	0.21	0.11	0.07	0.03	0.21	0.38	0.52	0.77	0.83	0.65	0.17	1.02	0.33	-1.02	-2.32	-3.23	-3.55	-3.60
1909	12	0.10	0.03	-0.10	-0.10	-0.21	-0.33	-0.46	-0.42	-0.32	-0.22	0.13	0.61	1.02	0.33	-1.02	-2.32	-3.23	-3.55	-3.60

TABLE 1. (continued)

1910	1	0.0	-0.09	-0.11	-0.27	-0.39	-0.42	-0.26	0.07	0.24	0.73	0.79	0.57	0.46	-0.24	-1.29	-1.92	-2.65	-3.76	-4.00
1910	2	0.0	-0.09	-0.07	-0.13	-0.25	-0.43	-0.46	-0.30	0.17	0.29	-0.04	0.22	0.86	1.36	1.17	1.44	1.40	1.17	1.00
1910	3	0.0	-0.22	-0.41	-0.81	-0.66	-0.60	-0.51	-0.24	0.20	0.52	0.08	0.54	0.10	-0.64	-1.91	-2.98	-3.80	-4.12	-4.20
1910	4	0.0	-0.15	-0.27	-0.40	-0.58	-0.54	-0.50	-0.53	-0.14	0.31	0.51	0.22	-0.44	-1.04	-1.85	-2.81	-3.22	-3.27	-3.30
1910	5	0.0	-0.22	-0.13	-0.36	-0.49	-0.51	-0.51	-0.39	-0.27	0.14	0.48	0.14	-0.19	-0.29	-0.41	-0.38	-0.34	-0.33	-0.40
1910	6	0.0	-0.04	-0.28	-0.38	-0.54	-0.56	-0.48	-0.54	-0.29	-0.02	0.21	0.26	0.12	-0.46	-0.92	-1.20	-1.36	-1.45	-1.60
1910	7	0.0	-0.19	-0.25	-0.48	-0.49	-0.48	-0.45	-0.49	-0.05	0.08	0.32	0.38	0.55	0.05	-0.81	-1.45	-2.21	-2.40	-2.40
1910	8	0.0	-0.30	-0.40	-0.22	-0.21	-0.28	-0.25	-0.50	-0.38	-0.29	-0.09	0.23	0.54	0.12	0.52	1.47	2.41	3.07	3.30
1910	9	0.0	-0.29	-0.36	-0.30	-0.16	-0.09	-0.23	-0.47	-0.48	-0.58	-0.42	-0.22	0.24	0.18	0.41	1.07	1.60	2.03	2.20
1910	10	0.0	-0.09	-0.06	-0.21	-0.28	-0.37	0.01	0.15	0.17	-0.07	-0.17	-0.26	-0.05	-0.07	-0.04	-0.05	-0.13	-0.17	-0.30
1910	11	0.0	-0.21	-0.36	-0.46	-0.59	-0.58	-0.58	-0.58	-0.46	-0.19	-0.10	-0.82	-1.01	-0.77	0.28	1.77	2.50	2.66	2.70
1910	12	0.0	-0.04	-0.17	-0.33	-0.49	-0.56	-0.70	-0.91	-0.98	-0.73	0.12	0.71	-0.53	-1.31	-1.26	-1.04	-0.66	-0.74	-0.80
1911	1	0.06	-0.01	-0.04	-0.18	-0.32	-0.24	-0.25	-0.19	-0.01	-0.34	-0.78	-1.08	-1.02	-1.63	-1.60	-1.26	-0.81	-0.73	-0.70
1911	2	0.11	-0.03	-0.24	-0.43	-0.41	-0.37	-0.27	-0.38	-0.45	-0.50	-0.33	-0.50	-0.30	-0.26	-0.53	-0.41	-0.44	-0.42	-0.40
1911	3	0.21	0.08	-0.01	-0.10	-0.26	-0.34	-0.06	0.07	0.05	0.11	0.05	0.04	-0.65	-0.86	-1.13	-1.46	-1.08	-0.73	-0.60
1911	4	-0.19	-0.15	-0.21	-0.10	-0.02	-0.02	0.03	-0.11	-0.26	-0.16	0.31	0.37	0.03	0.23	0.74	0.86	0.89	0.73	0.70
1911	5	0.14	-0.17	-0.19	-0.36	-0.40	-0.33	-0.18	-0.04	0.32	0.36	0.28	0.02	-0.17	-0.07	0.17	0.90	1.76	2.32	2.40
1911	6	-0.05	0.09	-0.03	-0.00	-0.09	-0.05	0.34	0.50	0.44	0.27	0.27	0.36	0.40	0.34	0.34	0.32	0.17	0.24	0.30
1911	7	0.0	0.17	0.04	-0.03	-0.12	-0.34	-0.58	-0.62	-0.24	-0.01	0.02	0.03	0.01	0.16	0.79	0.81	0.57	0.51	0.50
1911	8	0.0	0.06	0.13	0.05	-0.01	-0.05	0.06	-0.02	0.06	-0.07	0.07	0.49	0.60	0.56	0.88	0.78	0.67	0.41	0.0
1911	9	0.0	0.10	0.04	0.03	-0.07	0.00	0.40	0.53	0.52	0.11	-0.16	-0.32	-0.42	-0.42	-0.03	0.04	0.20	0.27	0.30
1911	10	0.0	0.09	-0.08	0.07	0.06	0.21	0.22	0.03	-0.59	-0.84	-0.36	0.13	0.70	1.28	1.81	2.34	2.47	2.30	2.20
1911	11	0.0	-0.05	-0.03	0.04	-0.03	0.24	-0.47	-0.56	-0.33	-0.15	0.11	0.61	0.94	1.31	1.68	1.50	0.90	0.61	0.60
1911	12	0.0	0.20	0.10	0.09	0.05	0.06	0.06	0.10	0.30	0.31	0.24	0.30	0.50	0.66	-0.44	-1.39	-1.86	-1.85	-1.80
1912	1	0.0	0.03	-0.03	-0.10	-0.05	0.21	0.05	-0.32	-0.38	-0.09	-0.18	-0.14	0.49	1.07	0.97	-0.07	-1.14	-0.36	0.50
1912	2	0.0	-0.10	0.34	0.19	0.25	0.48	0.46	0.57	0.71	1.34	1.27	0.80	0.32	0.26	-0.74	-1.34	-2.55	-3.35	-3.20
1912	3	0.0	0.33	0.37	0.22	0.22	0.20	-0.05	-0.14	-0.17	-0.52	-0.58	-0.74	-0.30	-0.56	-1.86	-3.17	-4.16	-4.61	-4.80
1912	4	0.0	0.50	0.72	0.20	0.06	-0.01	0.15	0.23	0.11	-0.07	-0.33	-0.32	0.02	0.69	1.22	0.86	0.77	1.15	1.40
1912	5	-0.20	0.07	0.65	0.36	0.01	0.10	0.38	0.26	-0.10	-0.18	-0.08	0.13	0.65	0.70	0.48	0.30	0.24	0.36	0.30
1912	6	-0.40	-0.40	0.40	0.23	0.08	0.01	-0.21	-0.21	0.21	-0.08	0.14	0.52	0.85	1.12	1.32	1.29	0.99	0.60	0.40
1912	7	0.0	0.0	0.14	0.00	0.12	-0.07	-0.04	-0.29	-0.74	-0.97	-0.96	-0.67	-0.43	-1.29	-1.22	-1.06	-0.97	-0.80	-0.90
1912	8	0.0	0.13	-0.13	-0.06	0.00	-0.01	-0.03	-0.41	-0.74	-1.27	-1.38	-1.26	-0.82	-0.78	-0.77	-0.84	-0.77	-0.62	-0.50
1912	9	0.0	-0.10	0.14	0.11	0.04	-0.09	-0.31	-0.82	-1.00	-1.13	-1.11	-0.67	-0.27	-0.36	-0.93	-1.44	-1.64	-1.62	-1.60
1912	10	-0.05	0.57	0.17	-0.16	-0.26	-0.26	-0.23	-0.25	-0.59	-1.06	-1.59	-1.86	-1.75	-1.42	-1.16	-1.29	-1.50	-1.40	-1.40
1912	11	0.65	0.80	0.60	-0.04	-0.21	-0.27	-0.39	-0.64	-0.52	-0.45	-0.42	-0.29	0.06	0.73	0.87	0.46	-0.06	-0.39	-0.30
1912	12	-0.30	-0.22	0.31	0.16	-0.18	-0.28	-0.32	-0.38	-0.16	-0.10	-0.39	-0.87	-0.91	-1.01	0.06	0.97	0.63	0.43	0.60
1913	1	0.0	-0.04	0.12	0.08	0.12	0.25	0.33	0.13	0.05	0.06	-0.04	-0.75	-1.43	-2.01	-1.88	-2.17	-2.94	-3.44	-3.30
1913	2	0.0	-0.04	0.12	-0.03	0.01	-0.05	-0.18	-0.66	-1.03	-0.91	-0.50	-0.38	-0.22	-0.42	-0.86	-1.29	-1.90	-1.92	-1.90
1913	3	0.0	-0.17	-0.59	-0.53	-0.49	-0.36	-0.44	-0.42	-0.56	-0.20	0.42	0.70	1.08	1.19	1.12	1.04	0.81	0.64	0.50
1913	4	0.0	0.12	0.16	0.06	0.10	0.20	-0.02	-0.32	-0.36	-0.19	0.21	0.17	-0.33	-0.48	-0.32	0.16	0.80	0.88	0.40
1913	5	0.0	-0.10	-0.12	-0.20	-0.30	-0.32	-0.21	-0.00	0.03	-0.24	-0.65	-0.78	-0.46	-0.07	-0.08	-0.29	-0.68	-0.91	-1.00
1913	6	0.10	0.25	0.24	0.08	-0.13	-0.23	-0.17	-0.18	-0.21	-0.60	-0.73	-0.30	0.22	-0.08	-0.38	-0.57	-0.63	-0.64	-0.80
1913	7	0.0	0.08	0.17	0.22	0.10	-0.03	-0.13	-0.19	-0.43	-0.79	-0.92	-0.66	-0.38	-0.38	-0.49	-0.85	-0.77	-0.80	-0.80
1913	8	0.0	0.18	0.25	0.27	0.21	0.09	-0.19	-0.30	-0.28	-0.38	-0.54	-0.48	-0.53	-0.72	-0.80	-1.02	-1.27	-1.47	-1.40
1913	9	0.0	0.14	0.40	0.50	0.18	-0.12	-0.28	-0.62	-0.46	-0.49	-0.35	-0.20	-0.12	-0.36	-0.34	-0.17	-0.03	-0.21	-0.30
1913	10	0.0	0.51	0.29	0.21	0.14	0.14	0.03	0.02	-0.07	-0.11	-0.04	-0.35	-0.45	-0.69	-0.90	-1.44	-1.86	-2.10	-2.20
1913	11	0.0	0.23	0.06	0.01	-0.05	-0.02	0.08	0.01	0.20	0.51	0.91	1.09	0.38	-0.48	-1.12	-1.42	-0.95	-0.76	-0.60
1913	12	0.0	0.09	-0.08	-0.10	-0.26	-0.40	-0.64	-0.29	0.11	0.91	1.79	2.05	1.70	1.50	1.05	0.06	-0.94	-0.89	-0.80
1914	1	0.45	0.33	0.21	0.01	0.07	0.31	0.70	1.13	1.52	1.67	1.66	1.43	0.63	-0.30	-1.40	-3.04	-3.77	-3.14	-2.80
1914	2	-0.20	0.16	0.11	0.18	0.22	0.21	0.07	0.29	0.69	0.87	1.10	1.29	1.04	0.16	-1.50	-3.45	-5.04	-5.04	-4.80
1914	3	0.21	0.41	0.18	0.30	0.22	0.23	0.31	0.51	0.96	1.20	1.20	0.27	-0.46	-1.31	-1.40	-0.63	-0.27	-0.19	-0.30
1914	4	0.22	0.09	0.22	0.19	0.0	-0.22	-0.33	-0.21	0.15	0.17	0.19	-0.22	-0.73	-1.19	-0.72	-0.28	0.20	0.33	0.40
1914	5	0.41	0.43	0.47	0.36	0.29	0.24	0.03	0.13	0.50	0.55	0.46	0.26	-0.12	-0.54	-0.75	-0.94	-0.98	-1.40	-1.40
1914	6	0.50	0.44	0.45	0.28	0.18	0.17	0.25	0.35	0.44	0.02	-0.17	-0.14	-0.13	0.27	0.48	0.42	0.58	0.85	1.00
1914	7	0.05	0.09	0.13	-0.01	0.04	0.09	0.25	0.07	0.06	-0.13	0.03	0.18	0.11	-0.13	-0.19	-0.32	-0.47	-0.53	-0.50
1914	8	-0.06	0.10	0.05	-0.08	0.02	0.03	-0.10	-0.38	-0.23	-0.27	-0.19	0.04	0.25	0.48	0.15	-0.18	-0.37	-0.46	-0.40
1914	9	-0.02	0.22	0.16	0.15	0.01	0.04	-0.03	-0.04	-0.03	-0.32	-0.36	-0.40	-0.27	-0.28	-0.42	-0.74	-0.90	-1.12	-1.20
1914	10	0.40	0.43	0.31	0.22	0.01	-0.19	-0.29	-0.28	-0.22	0.11	0.17	-0.09	0.29	0.69	0.92	1.07	1.20	1.42	1.40
1914	11	0.38	0.46	0.50	0.37	0.26	0.19	0.30	0.26	-0.04	-0.44	-0.81	-0.72	-0.36	-0.22	-0.13	-0.68	-1.42	-1.50	-1.10
1914	12	0.86	0.56	0.27	0.24	0.23	0.05	-0.20	-0.50	-0.73	-0.74	-0.74	-0.36	0.77	1.30	1.59	-0.56	-3.02	-4.49	-5.20

TABLE 1. (continued)

1915	1	0.0	0.47	0.56	0.34	0.28	0.22	0.12	0.23	0.38	0.74	1.00	0.81	0.88	1.58	1.89	1.98	1.59	1.75	-1.45	-1.32	-1.45	-1.75	-1.81	-1.70
1915	2	0.0	0.47	0.56	0.34	0.22	0.12	0.23	0.38	0.74	1.00	0.81	0.88	1.58	1.89	1.98	1.59	1.75	-1.45	-1.32	-1.45	-1.75	-1.81	-1.70	
1915	3	0.0	0.74	0.64	0.54	0.09	0.62	0.24	0.03	0.17	0.77	1.00	0.81	0.88	1.58	1.89	1.98	1.59	1.75	-1.45	-1.32	-1.45	-1.75	-1.81	-1.70
1915	4	0.0	0.42	0.36	0.05	-0.38	0.07	0.04	0.07	0.09	-0.02	0.02	0.03	0.32	0.39	0.30	-0.24	-0.73	-0.91	-0.34	-0.20	-0.46	-1.00	-0.40	-0.70
1916	5	0.0	0.32	0.25	0.00	-0.32	0.06	0.04	0.04	0.27	0.28	0.11	0.14	0.37	0.39	0.16	-0.06	-0.21	-0.05	-0.34	-0.20	-0.46	-1.00	-0.40	-0.70
1916	6	0.0	0.17	0.04	0.00	-0.43	0.06	0.04	0.04	0.27	0.28	0.11	0.14	0.37	0.39	0.16	-0.06	-0.21	-0.05	-0.34	-0.20	-0.46	-1.00	-0.40	-0.70
1916	7	-1.20	-0.32	-0.26	-0.06	-0.04	-0.19	-0.07	0.26	0.26	0.14	0.15	0.37	0.39	0.16	-0.06	-0.21	-0.05	-0.34	-0.20	-0.46	-1.00	-0.40	-0.70	
1916	8	0.10	-0.02	-0.38	-0.47	-0.48	-0.50	-0.38	-0.04	0.14	0.34	0.24	-0.04	0.15	0.37	0.39	0.16	-0.06	-0.21	-0.05	-0.34	-0.20	-0.46	-1.00	-0.70
1916	9	0.0	-0.25	-0.46	-0.59	-0.64	-0.44	-0.17	-0.18	0.20	0.29	0.07	0.20	0.37	0.37	0.20	-0.02	0.04	0.09	-0.30	-0.20	-0.46	-1.00	-0.40	-0.70
1916	10	0.0	-0.06	-0.16	-0.27	-0.25	-0.21	-0.09	-0.12	0.28	0.38	0.01	0.13	0.47	0.47	0.30	-0.04	-0.07	-0.07	-0.57	-1.09	-1.30	-1.57	-1.90	-1.50
1916	11	0.0	-0.12	-0.41	-0.38	-0.17	-0.02	0.09	0.18	0.20	0.38	0.01	0.13	0.47	0.47	0.30	-0.04	-0.07	-0.07	-0.57	-1.09	-1.30	-1.57	-1.90	-1.50
1916	12	-0.20	-0.14	-0.29	-0.17	-0.02	0.09	0.18	0.20	0.38	0.01	0.13	0.47	0.47	0.30	-0.04	-0.07	-0.07	-0.57	-1.09	-1.30	-1.57	-1.90	-1.50	
1915	1	0.0	0.25	0.70	0.25	-0.17	-0.09	0.09	0.18	0.20	0.38	0.01	0.13	0.47	0.47	0.30	-0.04	-0.07	-0.07	-0.57	-1.09	-1.30	-1.57	-1.90	-1.50
1915	2	0.70	0.25	0.70	0.25	-0.17	-0.09	0.09	0.18	0.20	0.38	0.01	0.13	0.47	0.47	0.30	-0.04	-0.07	-0.07	-0.57	-1.09	-1.30	-1.57	-1.90	-1.50
1915	3	0.0	0.19	0.38	0.18	-0.17	-0.09	0.09	0.18	0.20	0.38	0.01	0.13	0.47	0.47	0.30	-0.04	-0.07	-0.07	-0.57	-1.09	-1.30	-1.57	-1.90	-1.50
1915	4	0.0	0.34	0.55	0.75	0.50	0.32	0.04	0.07	0.09	-0.02	0.02	0.03	0.32	0.39	0.30	-0.24	-0.73	-0.91	-0.34	-0.20	-0.46	-1.00	-0.40	-0.70
1915	5	0.0	0.32	0.25	0.00	-0.32	0.06	0.04	0.04	0.27	0.28	0.11	0.14	0.37	0.39	0.16	-0.06	-0.21	-0.05	-0.34	-0.20	-0.46	-1.00	-0.40	-0.70
1915	6	0.0	0.17	0.04	0.00	-0.43	0.06	0.04	0.04	0.27	0.28	0.11	0.14	0.37	0.39	0.16	-0.06	-0.21	-0.05	-0.34	-0.20	-0.46	-1.00	-0.40	-0.70
1915	7	0.0	0.32	0.26	-0.06	-0.06	0.26	0.26	0.14	0.15	0.37	0.39	0.16	-0.06	-0.21	-0.05	-0.34	-0.20	-0.46	-1.00	-0.40	-0.70	-1.10	-0.50	
1915	8	0.0	0.32	0.26	-0.06	-0.06	0.26	0.26	0.14	0.15	0.37	0.39	0.16	-0.06	-0.21	-0.05	-0.34	-0.20	-0.46	-1.00	-0.40	-0.70	-1.10	-0.50	
1915	9	0.0	0.32	0.26	-0.06	-0.06	0.26	0.26	0.14	0.15	0.37	0.39	0.16	-0.06	-0.21	-0.05	-0.34	-0.20	-0.46	-1.00	-0.40	-0.70	-1.10	-0.50	
1915	10	0.0	0.32	0.26	-0.06	-0.06	0.26	0.26	0.14	0.15	0.37	0.39	0.16	-0.06	-0.21	-0.05	-0.34	-0.20	-0.46	-1.00	-0.40	-0.70	-1.10	-0.50	
1915	11	0.0	0.32	0.26	-0.06	-0.06	0.26	0.26	0.14	0.15	0.37	0.39	0.16	-0.06	-0.21	-0.05	-0.34	-0.20	-0.46	-1.00	-0.40	-0.70	-1.10	-0.50	
1915	12	0.0	0.32	0.26	-0.06	-0.06	0.26	0.26	0.14	0.15	0.37	0.39	0.16	-0.06	-0.21	-0.05	-0.34	-0.20	-0.46	-1.00	-0.40	-0.70	-1.10	-0.50	

TABLE 1. (continued)

1920	1	-0.15	-0.40	-0.33	-0.35	-0.09	-0.05	0.11	0.16	0.51	0.61	0.97	0.94	0.76	1.34	1.73	1.25	0.78	0.45	0.30
1920	2	-0.07	-0.02	-0.28	-0.37	-0.34	-0.60	-0.69	-0.76	-0.77	-0.75	-0.02	0.77	1.99	2.27	1.69	0.64	-0.47	-0.55	-0.60
1920	3	-0.07	0.0	-0.20	-0.39	-0.32	-0.20	-0.27	-0.14	0.09	0.51	1.21	1.10	0.91	1.21	1.72	1.76	2.15	1.70	1.10
1920	4	0.0	0.0	-0.20	-0.05	0.02	0.05	-0.09	-0.23	-0.33	-0.04	0.64	0.56	0.16	-0.16	0.19	0.11	0.44	0.56	0.50
1920	5	0.0	-0.01	-0.32	-0.11	-0.11	-0.10	-0.21	-0.07	0.12	0.59	0.84	0.84	0.58	0.32	-0.08	-0.24	-0.27	-0.31	-0.20
1920	6	0.15	-0.16	-0.16	-0.13	-0.05	-0.05	-0.08	0.06	0.26	0.30	0.10	0.14	0.06	0.10	0.06	-0.13	-0.32	-0.42	-0.50
1920	7	0.05	-0.07	-0.04	-0.08	-0.00	0.09	0.34	0.36	0.28	0.34	0.32	0.22	0.10	-0.01	-0.01	-0.34	-0.59	-0.60	-0.60
1920	8	-0.20	-0.20	-0.14	-0.25	-0.06	-0.06	-0.14	-0.16	0.11	0.30	0.39	0.26	0.22	0.56	0.79	0.40	-0.12	-0.43	-0.30
1920	9	0.0	-0.20	-0.20	-0.41	-0.36	-0.16	0.02	0.06	-0.03	-0.16	-0.29	-0.44	-0.32	0.04	0.36	0.11	-0.17	-0.35	-0.40
1920	10	0.0	-0.12	-0.15	-0.10	0.02	-0.00	0.04	0.11	0.34	0.09	-0.06	-0.47	-1.02	-1.14	-0.76	-0.07	0.19	0.09	0.10
1920	11	0.0	-0.28	-0.21	-0.07	0.10	0.16	0.06	-0.23	-0.68	-1.13	-1.35	-0.76	-0.19	0.37	0.52	0.07	-0.16	-0.34	-0.20
1920	12	0.0	-0.02	-0.25	-0.21	0.01	-0.01	-0.08	-0.27	-0.45	-1.21	-1.32	-0.95	-0.41	-0.08	-0.61	-0.91	-0.82	-0.69	-0.60
1921	1	0.0	-0.57	-0.26	-0.03	0.13	0.30	0.41	0.44	0.68	1.37	1.64	1.47	1.25	0.71	0.65	0.87	0.77	0.66	0.50
1921	2	0.23	-0.14	-0.01	-0.09	-0.09	0.14	0.44	0.62	0.70	0.72	0.68	0.60	1.08	1.12	-0.05	-1.46	-2.03	-2.56	-3.00
1921	3	0.0	-0.31	-0.23	-0.20	-0.04	0.38	0.85	0.69	0.10	0.27	0.45	0.66	0.64	0.32	-0.91	-1.88	-1.85	-1.94	-2.10
1921	4	0.05	-0.37	-0.28	-0.14	0.02	0.29	0.33	0.18	-0.01	-0.14	-0.28	0.63	0.94	0.27	0.16	-0.14	-0.36	-0.65	-1.00
1921	5	0.05	0.08	-0.09	-0.10	-0.17	-0.21	-0.14	-0.15	0.11	0.35	0.69	0.68	0.13	-0.31	-0.12	0.02	-0.22	-0.34	-0.30
1921	6	0.70	0.01	-0.04	0.07	0.09	0.09	0.07	0.00	-0.14	0.53	0.87	1.13	1.09	0.89	0.51	-0.20	-0.81	-1.34	-1.40
1921	7	0.25	-0.21	-0.34	-0.26	-0.12	0.03	0.06	0.14	0.32	0.61	0.88	0.65	0.24	0.08	0.16	-0.18	-0.61	-0.79	-0.80
1921	8	0.82	0.19	-0.19	-0.27	-0.16	-0.04	-0.09	-0.23	-0.17	0.15	0.42	0.16	-0.19	-0.19	-0.15	-0.63	-0.49	-0.36	-0.30
1921	9	0.20	0.15	0.05	0.03	-0.03	0.02	0.27	0.44	0.25	0.14	0.20	0.01	-0.19	0.04	0.20	-0.09	-0.15	-0.18	-0.20
1921	10	0.30	-0.24	-0.46	-0.37	-0.16	-0.10	-0.01	0.04	0.23	0.57	0.74	0.52	0.04	-0.31	-0.47	-0.89	-1.47	-1.65	-1.60
1921	11	0.0	-0.25	-0.13	-0.05	-0.08	0.10	0.42	0.36	-0.02	-0.77	-1.17	-0.76	0.26	1.56	3.09	3.77	4.68	5.64	6.20
1921	12	-0.01	0.03	0.26	0.27	0.37	0.49	0.45	0.35	0.26	-0.10	-0.18	0.26	-0.01	-0.38	-0.60	-0.71	-0.68	-0.68	-0.50
1922	1	-0.20	0.23	0.13	0.16	0.14	0.07	0.05	-0.11	-0.33	-0.69	-0.60	-0.45	0.18	1.29	2.79	3.74	3.77	4.02	4.00
1922	2	-0.10	0.15	0.18	0.30	0.25	0.41	0.50	0.61	0.49	-0.03	-0.83	-1.54	-1.95	-1.87	-1.71	-2.62	-3.37	-4.90	-5.50
1922	3	-0.50	-0.30	-0.20	-0.19	-0.12	-0.02	0.02	0.11	0.38	0.67	0.75	0.67	0.64	0.54	1.12	1.11	1.16	1.14	1.30
1922	4	0.50	0.04	0.02	0.05	0.09	0.27	0.31	0.56	0.59	0.34	0.23	0.03	-0.39	-0.46	-0.50	-0.42	-0.35	-0.18	-0.20
1922	5	0.0	-0.27	-0.19	-0.08	0.04	0.20	0.20	0.12	0.24	0.22	0.16	0.07	0.08	-0.24	-0.71	-0.96	-0.82	-0.64	-0.60
1922	6	0.0	-0.03	-0.06	-0.03	-0.19	-0.18	-0.07	0.31	0.53	0.36	-0.04	-0.27	-0.33	-0.02	0.51	1.10	2.17	3.32	4.10
1922	7	0.0	-0.02	-0.05	-0.07	-0.01	0.18	0.38	0.50	0.36	0.08	-0.17	-0.34	-0.45	-0.59	-0.18	0.39	0.78	1.07	1.30
1922	8	0.0	-0.06	-0.32	-0.18	0.03	0.09	0.27	0.58	0.64	0.35	-0.24	-0.50	-0.56	-0.22	0.06	0.20	0.69	1.20	1.40
1922	9	0.0	-0.07	-0.09	-0.03	-0.07	0.02	0.31	0.45	0.49	0.29	-0.12	-0.39	-0.56	-0.42	-0.55	-0.22	0.35	0.86	1.20
1922	10	0.0	0.09	-0.26	-0.20	-0.08	0.11	0.28	0.61	0.81	0.32	-0.31	-0.71	-0.71	-0.84	-1.39	-1.26	-0.52	0.34	0.80
1922	11	-0.05	0.06	0.03	0.06	0.02	-0.06	-0.00	-0.04	-0.13	0.08	0.38	0.03	-0.00	-0.22	-0.50	0.17	0.59	-0.15	-0.30
1922	12	-0.90	-0.22	-0.26	-0.20	-0.16	0.03	0.23	0.17	0.14	0.51	0.04	0.39	0.69	1.45	2.22	2.71	2.28	1.65	1.70
1923	1	0.0	1.15	0.31	0.13	-0.09	-0.07	-0.07	0.11	0.60	0.52	0.30	0.25	0.15	-0.51	-0.81	-0.08	0.53	0.57	0.60
1923	2	0.0	-0.71	-0.90	-0.57	-0.32	-0.12	-0.23	-0.29	-0.22	-0.58	-0.81	-0.45	0.57	1.47	1.87	1.59	1.12	0.67	0.60
1923	3	0.0	0.05	0.34	0.22	0.31	0.38	0.40	0.40	0.36	0.32	0.18	0.39	0.10	-0.10	-0.30	-0.80	-0.91	-0.76	-0.50
1923	4	0.0	-0.10	-0.87	-0.53	-0.25	-0.05	0.13	0.03	-0.10	-0.28	-0.67	-0.91	-1.15	-0.67	0.07	1.01	1.47	1.72	2.20
1923	5	0.0	-0.20	-0.25	-0.30	-0.24	0.09	0.17	0.19	0.27	0.43	0.46	-0.12	-0.65	-0.97	-0.51	0.24	0.94	1.34	1.40
1923	6	0.0	0.0	-0.02	0.23	0.27	0.13	-0.11	-0.22	-0.10	0.06	-0.02	-0.21	-0.18	0.18	-0.04	-0.14	-0.46	-0.54	-0.50
1923	7	0.0	-0.43	-0.38	-0.26	-0.29	-0.24	-0.32	-0.19	-0.07	0.18	0.16	0.04	-0.17	0.12	0.27	0.59	0.88	1.21	1.30
1923	8	0.0	0.0	0.14	0.02	-0.00	0.00	0.15	0.26	0.23	0.09	-0.17	-0.32	-0.24	0.12	0.84	1.38	1.54	1.55	1.60
1923	9	0.0	0.10	-0.01	0.05	-0.07	0.08	0.01	-0.09	0.00	0.22	0.34	0.26	0.33	0.45	0.48	0.63	0.77	0.65	0.40
1923	10	-0.05	-0.01	0.01	-0.04	-0.06	-0.09	-0.13	-0.22	-0.18	0.36	0.80	1.05	1.23	1.55	1.42	1.32	1.17	0.97	1.00
1923	11	0.08	0.06	-0.10	-0.08	-0.03	-0.03	0.02	0.33	0.52	1.32	1.67	1.50	0.89	0.55	1.36	2.71	3.63	4.20	4.40
1923	12	0.76	0.43	0.21	0.03	0.03	0.15	0.07	0.34	0.60	1.06	1.27	1.06	0.29	-0.53	-0.49	-0.07	0.19	0.33	0.40
1924	1	0.0	0.07	0.37	0.38	0.49	0.24	0.20	0.15	0.51	0.11	-0.27	-0.52	-0.59	-0.31	-0.05	1.07	1.33	1.53	1.60
1924	2	0.19	-0.11	0.04	0.30	0.32	0.29	0.06	-0.06	-0.00	-0.04	-0.33	0.13	0.65	0.51	-0.26	-0.39	-0.16	-0.17	-0.10
1924	3	-0.02	0.21	0.13	0.46	0.49	0.28	0.01	-0.49	-0.69	-0.29	-0.10	0.41	1.37	1.84	1.50	0.55	-0.02	-0.32	0.10
1924	4	0.15	-0.01	0.06	0.31	0.31	0.28	0.11	0.11	0.15	-0.05	-0.27	-0.44	-1.19	-1.57	-1.22	-1.16	-0.95	-0.91	-0.80
1924	5	0.0	0.35	0.27	0.36	0.35	0.29	0.05	-0.06	0.06	0.11	0.18	0.15	0.14	0.17	0.16	0.32	0.58	0.67	0.60
1924	6	0.04	0.18	-0.04	-0.11	0.10	0.22	0.11	0.08	0.12	0.08	0.07	-0.02	-0.45	-0.71	-0.53	-0.30	-0.46	-0.54	-0.50
1924	7	-0.08	-0.18	-0.26	-0.10	0.03	0.24	0.31	0.25	0.29	0.27	0.10	-0.14	-0.27	-0.08	0.10	0.26	0.04	-0.33	-0.90
1924	8	-0.05	-0.04	-0.17	-0.17	-0.12	0.06	0.24	0.53	0.68	0.29	0.03	-0.04	0.24	0.41	0.51	0.19	-0.18	-0.42	-0.40
1924	9	-1.13	-0.35	-0.27	-0.30	-0.02	0.16	0.17	0.04	0.26	0.42	0.56	0.66	0.53	0.48	-0.01	-0.09	0.22	0.46	0.50
1924	10	-0.55	-0.41	-0.54	-0.28	-0.18	-0.02	0.16	0.21	0.19	0.24	0.40	0.22	0.21	-0.28	-0.80	-0.51	-0.03	0.21	0.30
1924	11	-0.50	-0.42	-0.23	-0.28	-0.29	-0.07	0.08	0.08	0.05	0.10	0.17	1.11	2.76	3.47	2.79	2.24	1.72	1.13	0.90
1924	12	-0.29	-0.18	-0.29	-0.25	-0.22	-0.20	-0.06	-0.41	-0.95	-0.91	-0.58	0.52	1.68	1.96	1.43	0.81	0.38	0.19	0.10

TABLE 1. (continued)

1925	1	0.0	-0.95	-0.92	-0.54	-0.48	-0.51	-0.33	-0.16	0.06	0.75	1.36	1.63	1.18	0.14	-0.46	0.52	0.79	1.09	1.20
1925	2	0.0	-0.47	-0.82	-0.79	-0.74	-0.39	-0.13	0.21	0.64	0.99	1.22	0.33	-0.71	-1.12	-0.41	0.84	1.92	2.82	3.20
1925	3	0.0	-0.54	-0.42	-0.22	0.02	0.15	0.34	0.50	0.40	0.47	0.79	0.99	0.21	-0.99	-1.67	-0.69	-0.19	-0.18	-0.20
1925	4	0.0	-0.18	-0.08	-0.10	-0.17	0.02	0.32	0.39	0.37	0.39	0.34	0.0	0.08	0.26	0.38	0.47	0.31	0.48	0.40
1925	5	0.0	0.07	0.07	-0.07	-0.05	0.09	0.12	0.13	0.16	0.20	0.15	0.16	-0.19	0.08	-0.08	-0.74	-1.11	-1.14	-1.20
1925	6	0.0	0.0	-0.03	-0.15	-0.21	-0.16	0.04	0.27	0.52	0.44	-0.02	-0.31	-0.51	-0.69	-0.11	0.86	1.10	1.15	1.10
1925	7	0.0	0.56	0.17	0.11	-0.01	-0.08	0.02	0.14	0.22	-0.10	-0.01	0.21	0.49	0.37	-0.02	-0.41	-1.29	-1.53	-1.70
1925	8	0.0	-0.12	-0.07	-0.28	-0.28	-0.16	-0.14	0.11	0.31	0.55	0.76	0.92	0.70	0.17	-0.41	-0.76	-1.23	-1.63	-1.80
1925	9	0.0	0.06	0.13	0.10	-0.05	0.00	0.20	0.36	0.59	0.59	0.36	0.37	0.44	0.54	0.61	0.08	-0.09	-0.29	-0.40
1925	10	0.0	0.03	0.15	0.08	0.18	0.08	-0.09	-0.40	-0.31	-0.00	0.34	0.53	0.78	0.59	0.26	-0.24	-0.44	-0.33	-0.50
1925	11	0.0	-0.18	0.16	0.39	0.37	0.18	-0.01	-0.09	0.06	0.64	1.09	1.04	1.21	1.16	0.39	-0.35	-0.73	-0.96	-1.10
1925	12	0.0	0.34	0.24	0.23	0.25	0.22	0.32	0.51	0.37	0.98	1.59	1.85	1.70	1.06	0.60	-0.40	-2.11	-3.18	-3.60
1926	1	0.17	0.03	0.16	0.42	0.42	0.40	0.37	0.48	0.61	1.02	1.23	1.68	1.83	2.48	2.65	1.85	1.28	0.99	1.80
1926	2	0.0	0.33	0.42	0.20	0.39	0.55	0.75	1.17	1.58	1.71	1.27	1.08	0.38	-0.03	-0.91	-2.08	-2.68	-2.61	-2.50
1926	3	0.0	0.47	0.51	0.16	-0.04	-0.20	-0.26	-0.13	0.24	0.56	0.97	1.32	2.59	3.54	2.91	1.93	1.38	0.98	-0.60
1926	4	0.0	0.96	0.50	0.22	-0.05	-0.32	-0.26	-0.34	-0.32	-0.04	0.02	0.08	0.65	0.91	0.71	0.66	0.92	0.96	0.90
1926	5	0.0	0.85	0.75	0.46	0.01	0.14	0.19	0.10	0.01	0.01	-0.18	-0.29	-0.44	-0.84	-0.96	-1.13	-1.21	-1.23	-1.30
1926	6	0.0	0.03	0.30	0.69	0.55	0.35	0.13	-0.22	-0.28	-0.17	-0.09	0.50	0.76	0.19	-0.38	-0.59	-0.59	-0.66	-0.70
1926	7	0.0	0.0	0.22	0.15	0.10	0.33	0.13	-0.22	-0.36	-0.35	-0.03	-0.04	-0.04	0.22	0.50	0.72	1.19	1.42	1.40
1926	8	0.0	0.10	0.52	0.64	0.48	0.33	0.11	-0.15	-0.11	-0.42	-0.45	-0.10	0.42	0.56	0.33	0.32	0.15	0.31	0.30
1926	9	0.0	0.80	0.60	0.56	0.08	0.10	0.29	-0.07	-0.30	-0.36	-0.19	-0.02	-0.02	0.45	0.57	0.83	1.23	1.33	1.40
1926	10	0.0	0.0	0.10	0.17	0.24	0.29	0.40	0.40	0.10	0.01	0.23	0.33	0.44	0.86	0.76	0.42	0.56	0.46	0.50
1926	11	0.0	0.0	0.44	0.31	0.34	0.26	0.09	-0.18	-0.33	0.41	0.83	1.36	1.47	2.15	1.71	0.60	-0.02	-0.29	-0.30
1926	12	0.0	0.0	0.26	0.58	0.40	0.18	0.03	-0.27	-0.20	-0.21	0.39	0.47	0.20	-0.27	-0.92	-0.91	-0.90	-1.28	-1.50
1927	1	0.0	0.07	0.11	0.13	0.07	0.06	0.25	0.33	0.21	0.35	0.55	0.74	0.23	-1.04	-1.05	-0.94	-0.96	-1.26	-1.30
1927	2	0.0	0.84	0.43	0.13	-0.06	0.04	0.06	-0.04	-0.25	-0.42	-0.30	0.31	1.38	1.83	1.61	1.94	2.16	1.77	1.10
1927	3	0.0	0.22	0.18	0.11	-0.06	-0.25	-0.07	-0.20	-0.21	-0.05	0.03	0.11	0.01	-0.59	-0.94	-1.26	-1.47	-1.06	-0.80
1927	4	0.0	-0.10	-0.02	-0.18	-0.44	-0.23	-0.14	-0.02	0.12	0.48	0.22	0.10	-0.21	-0.45	0.01	-0.21	-0.85	-1.06	-1.20
1927	5	0.0	0.22	0.16	0.24	0.35	0.44	0.54	0.35	-0.08	-0.42	-0.34	-0.16	-0.27	0.13	1.17	1.95	2.06	2.43	2.40
1927	6	0.0	0.0	-0.07	0.18	0.25	0.41	0.41	0.12	0.10	0.11	-0.08	0.20	0.17	0.63	0.61	0.30	0.26	0.26	0.20
1927	7	0.0	0.03	-0.12	-0.03	0.05	0.07	0.33	0.43	0.46	0.46	0.49	0.34	0.24	0.33	0.54	0.17	0.12	0.21	0.20
1927	8	0.0	0.07	-0.20	-0.15	-0.07	0.06	0.32	0.17	-0.12	-0.10	0.01	0.06	0.41	0.62	0.64	0.68	0.66	0.56	0.70
1927	9	0.0	0.01	0.01	-0.01	0.09	0.13	0.30	0.31	0.37	0.39	0.65	0.67	0.51	0.42	0.68	0.81	0.56	0.53	0.40
1927	10	0.0	0.12	0.05	0.01	0.15	0.37	0.53	0.64	0.85	0.90	0.72	0.56	0.41	0.59	0.37	0.22	0.01	-0.20	-0.10
1927	11	0.0	-0.12	0.08	0.17	0.28	0.43	0.65	0.91	1.08	0.86	0.19	-0.17	-0.27	-0.29	1.38	1.24	1.53	1.96	2.30
1927	12	0.0	0.33	0.57	0.62	0.56	0.34	0.44	0.32	-0.04	-0.70	-1.20	-1.21	-0.68	0.42	0.70	0.16	-0.30	-0.19	0.10
1928	1	-0.20	0.17	0.51	0.41	0.16	0.17	0.41	0.43	0.39	0.44	0.68	0.71	1.08	2.18	2.60	2.66	3.00	3.00	2.90
1928	2	0.27	0.08	0.19	0.01	-0.17	0.05	0.13	0.22	0.29	0.30	0.43	0.81	1.54	2.44	3.59	3.84	4.01	4.14	4.40
1928	3	0.33	0.01	0.42	0.39	0.23	0.28	0.12	-0.04	-0.24	-0.23	-0.54	-0.14	0.39	0.46	1.09	1.41	1.42	0.91	0.80
1928	4	-0.10	-0.05	-0.12	-0.07	0.11	0.31	0.50	0.57	0.28	-0.15	-0.71	-0.65	-0.51	-0.17	0.58	0.39	-0.60	-1.20	-1.40
1928	5	0.13	0.08	-0.04	0.00	-0.06	0.12	0.34	0.50	0.26	0.18	0.11	0.03	-0.00	-0.27	-0.56	-0.50	-0.11	-0.05	-0.20
1928	6	0.22	0.08	-0.04	0.07	0.06	0.10	0.13	0.07	-0.19	-0.40	-0.20	-0.11	-0.14	0.01	0.43	0.61	0.19	0.27	0.20
1928	7	0.07	0.07	0.12	0.19	0.04	0.06	0.12	0.22	0.37	0.51	0.35	0.0	-0.15	0.02	0.41	0.27	0.19	0.24	0.20
1928	8	0.0	-0.01	-0.04	-0.06	-0.02	-0.05	-0.08	-0.27	-0.17	-0.09	-0.11	-0.08	-0.13	0.27	0.57	0.54	0.47	0.47	0.60
1928	9	0.15	0.11	0.01	-0.06	0.03	0.21	0.30	0.19	0.23	0.02	-0.11	-0.06	-0.01	0.12	0.67	1.22	1.35	1.08	0.80
1928	10	-0.02	0.01	0.03	-0.01	-0.02	0.11	0.37	0.38	0.24	0.28	0.22	0.38	0.42	0.16	-0.08	0.06	0.06	-0.21	-0.20
1928	11	0.07	0.13	0.23	0.20	0.05	-0.01	0.04	0.03	0.30	0.57	0.72	0.76	0.50	0.58	1.54	2.14	1.10	0.56	0.50
1928	12	0.07	-0.02	-0.04	0.0	0.13	0.02	-0.01	-0.07	-0.27	-0.25	0.28	0.54	1.80	2.93	2.80	1.90	0.56	-0.19	-0.40
1929	1	0.0	-0.04	-0.00	0.16	0.37	0.26	-0.07	-0.53	-1.18	-1.49	-1.26	-0.11	0.84	1.61	1.35	0.58	-0.55	-2.06	-2.70
1929	2	0.0	0.10	0.26	0.06	0.05	-0.07	-0.34	-0.84	-1.41	-2.02	-1.64	-1.76	-0.70	1.38	2.43	4.42	5.94	6.77	7.10
1929	3	0.0	0.02	-0.16	-0.20	-0.05	0.13	0.23	0.16	-0.06	0.21	-0.54	0.58	0.04	0.02	0.39	-0.78	-1.96	-1.41	-0.80
1929	4	0.0	-0.16	-0.08	0.09	0.12	0.26	0.58	0.49	0.38	0.11	-0.25	-0.63	-0.74	-0.60	-0.09	-0.94	-1.81	-2.52	-2.90
1929	5	-0.20	-0.14	-0.04	0.17	0.34	0.36	0.19	-0.11	-0.09	-0.13	-0.05	-0.09	-0.15	-0.22	-0.84	-1.93	-2.56	-2.79	-2.80
1929	6	0.0	0.07	-0.13	-0.20	-0.08	0.09	0.14	0.12	-0.17	-0.36	-0.35	-0.17	-0.08	-0.09	-0.32	-0.27	-0.34	-0.44	-0.40
1929	7	0.0	0.0	-0.15	-0.22	-0.24	-0.27	-0.20	0.04	0.17	0.33	0.11	-0.22	-0.41	-0.64	-0.14	-0.00	-0.31	-0.47	-0.40
1929	8	0.0	0.09	0.02	-0.06	-0.10	-0.02	0.07	0.04	0.25	0.26	0.53	0.31	0.21	-0.27	-0.47	-0.71	-0.72	-0.61	-0.50
1929	9	0.0	0.06	-0.03	0.04	0.06	0.07	-0.11	-0.25	-0.28	-0.19	-0.16	-0.08	-0.23	-0.17	0.31	0.56	0.04	-0.29	-0.50
1929	10	0.0	0.01	-0.08	-0.07	-0.07	-0.11	-0.24	-0.33	-0.05	0.25	0.47	0.52	0.69	0.77	0.27	-0.51	-1.10	-1.53	-1.50
1929	11	0.0	0.05	-0.01	-0.03	-0.04	-0.07	-0.05	-0.09	-0.11	0.18	0.54	0.99	0.94	0.58	0.34	0.22	-0.49	-1.80	-2.10
1929	12	0.0	-0.51	-0.22	-0.07	-0.02	-0.11	-0.17	-0.07	-0.42	-0.75	-1.66	-2.26	-1.52	0.28	1.89	4.38	6.21	7.96	8.70

TABLE 1. (continued)

1930	1	0.0	-0.31	-0.21	-0.30	-0.27	-0.20	-0.44	-0.98	-1.17	-1.36	-1.04	0.21	2.64	4.24	4.52	4.87	5.01	5.34	5.40
1930	2	0.0	0.15	0.02	-0.19	0.02	0.35	0.52	0.55	0.78	0.93	0.53	-0.28	-1.44	-2.18	-0.89	-0.37	0.26	0.86	1.10
1930	3	0.0	0.38	-0.01	-0.07	-0.06	-0.01	0.17	0.32	0.70	1.09	1.64	1.64	1.27	0.94	0.67	0.69	0.17	-0.04	-0.40
1930	4	0.0	0.14	0.02	-0.06	-0.08	0.13	0.29	0.19	0.24	0.29	0.26	0.18	-0.33	-0.33	0.41	0.81	0.70	0.52	0.60
1930	5	0.0	-0.11	-0.08	-0.12	-0.02	0.07	0.06	-0.02	-0.04	0.07	-0.05	-0.31	-0.18	0.02	0.12	1.17	1.58	1.66	1.60
1930	6	0.0	-0.08	-0.29	-0.46	-0.49	-0.31	-0.10	0.15	0.15	0.27	0.14	0.10	0.09	0.47	1.14	1.10	0.62	0.49	0.40
1930	7	0.0	0.11	0.11	-0.01	-0.05	0.04	0.29	0.56	0.68	0.51	0.34	-0.04	-0.07	-0.06	0.63	1.09	1.27	1.29	1.30
1930	8	0.0	0.23	0.14	0.08	0.14	0.17	0.24	0.36	0.50	0.39	0.42	0.87	0.89	0.67	0.51	0.18	0.03	-0.04	-0.10
1930	9	0.0	0.35	0.44	0.35	0.28	0.19	0.07	0.07	0.26	0.37	0.07	0.01	-0.09	-0.01	0.45	0.48	0.16	-0.38	-0.50
1930	10	0.0	0.13	0.14	0.11	0.20	0.22	0.26	0.24	0.23	0.42	0.42	0.39	0.07	-0.24	-0.18	-0.72	-1.35	-1.81	-2.00
1930	11	0.0	0.26	0.39	0.24	0.16	0.11	0.24	0.35	0.33	0.70	1.08	1.16	1.14	1.13	1.93	3.45	4.62	6.17	6.90
1930	12	0.0	0.44	0.56	0.47	0.38	0.24	0.36	0.30	-0.12	-0.12	-0.13	0.17	0.50	0.41	0.72	2.06	3.23	4.12	4.80
1931	1	2.30	0.99	0.81	0.72	0.53	0.45	0.51	0.58	0.58	0.41	0.24	0.04	0.08	-0.07	-0.60	-0.84	-0.51	-0.22	-0.20
1931	2	0.70	0.81	0.87	0.59	0.33	0.10	-0.04	-0.02	-0.13	-0.03	-1.69	-1.33	-0.76	-0.50	0.16	0.08	1.65	1.60	1.60
1931	3	0.47	0.54	0.54	0.52	0.37	0.36	0.41	0.56	0.70	0.66	0.81	0.48	0.46	-0.21	-0.80	-0.99	-1.16	-1.31	-1.40
1931	4	1.00	0.63	0.57	0.37	0.29	0.32	0.21	0.09	-0.03	-0.24	-0.31	-0.10	-0.59	-0.86	-0.29	0.94	2.07	2.76	3.10
1931	5	0.43	0.55	0.39	0.12	0.13	-0.10	-0.07	-0.22	-0.20	-0.12	-0.04	-0.09	0.10	0.27	0.26	-0.07	-0.43	-0.44	-0.60
1931	6	0.0	0.37	0.66	0.65	0.42	0.25	0.31	0.28	0.11	0.43	0.74	0.55	0.17	0.34	0.74	1.11	1.51	1.56	1.40
1931	7	0.0	0.34	0.22	0.20	0.23	0.11	-0.11	-0.21	-0.07	0.27	0.74	0.52	0.22	0.58	1.22	1.22	1.33	1.38	1.40
1931	8	0.75	0.46	0.22	0.26	0.31	0.40	0.40	0.18	0.22	0.28	0.43	0.66	0.86	0.95	1.04	0.99	0.77	0.63	0.70
1931	9	0.0	0.02	0.03	0.05	0.11	0.21	0.39	0.47	0.49	0.31	0.35	0.52	0.75	0.83	1.04	1.37	1.56	1.51	1.50
1931	10	0.07	0.38	0.23	0.13	0.15	0.26	0.51	0.36	0.39	0.67	0.86	1.09	1.04	1.02	0.97	0.71	0.75	0.51	0.10
1931	11	-0.27	-0.02	0.10	0.14	0.07	0.18	0.22	0.17	-0.24	-0.01	0.34	0.33	1.17	2.16	2.92	3.62	4.88	5.63	5.90
1931	12	-0.10	0.11	0.15	0.19	0.16	0.08	0.27	0.25	0.01	-0.19	0.38	0.81	1.21	1.71	2.66	3.06	3.52	4.36	4.30
1932	1	0.0	0.10	-0.29	-0.20	-0.02	0.38	0.52	0.60	0.70	1.40	2.27	2.65	2.29	1.12	0.84	-0.17	-0.82	-1.09	-1.20
1932	2	0.0	0.0	-0.10	-0.14	-0.20	0.10	0.07	0.22	-0.24	-0.54	-0.30	0.12	0.07	0.26	0.96	1.91	3.11	3.00	2.80
1932	3	0.0	0.0	-0.17	-0.05	-0.14	0.07	-0.00	0.11	-0.04	-0.48	-0.36	-0.13	0.38	1.51	2.35	3.47	3.79	3.69	3.30
1932	4	1.30	0.93	0.23	0.22	0.06	0.17	0.17	0.41	0.43	0.41	0.47	0.64	1.10	1.47	1.60	1.36	0.81	0.06	-0.10
1932	5	0.0	0.0	-0.15	0.03	0.11	0.12	0.09	0.01	0.13	0.17	0.21	0.42	0.61	0.64	0.94	2.02	2.70	2.88	2.90
1932	6	0.0	0.0	-0.15	0.02	0.09	0.11	0.08	-0.00	0.09	0.24	0.34	0.21	-0.13	-0.05	0.50	0.76	0.64	0.58	0.60
1932	7	0.0	0.0	-0.15	-0.23	-0.27	0.03	0.07	0.13	-0.05	-0.13	-0.13	0.42	0.77	0.64	0.34	0.59	0.50	0.57	0.60
1932	8	0.04	0.02	0.07	-0.06	-0.16	-0.13	-0.19	-0.21	-0.18	-0.06	0.36	0.80	0.93	1.04	0.55	0.30	0.13	-0.27	-0.30
1932	9	0.13	-0.13	-0.01	-0.12	-0.15	-0.30	-0.23	-0.02	0.36	0.81	0.92	0.92	0.71	0.75	1.23	0.97	0.86	0.69	0.60
1932	10	0.05	0.43	0.30	0.25	0.18	0.05	0.07	0.26	0.54	0.77	0.86	0.90	0.78	0.34	0.0	0.14	0.91	1.10	1.00
1932	11	0.55	0.25	0.20	0.12	-0.04	-0.08	0.04	0.19	0.25	0.47	0.67	0.74	-0.28	-1.54	-1.24	-1.29	-1.90	-2.13	-2.10
1932	12	0.05	-0.02	0.27	0.16	0.05	-0.02	-0.28	-0.57	-0.61	-0.11	0.43	0.80	1.45	0.61	0.16	0.60	1.59	2.83	3.20
1933	1	0.0	0.43	0.44	0.11	-0.07	-0.06	-0.15	-0.36	-0.25	-0.14	-0.77	-1.75	-1.61	-0.80	1.32	2.44	5.36	7.61	9.60
1933	2	0.0	0.0	0.22	0.35	0.25	0.21	-0.04	-0.45	-0.55	-0.52	-0.72	-1.53	-1.61	-1.47	0.31	2.72	4.90	5.56	5.70
1933	3	0.0	0.30	0.07	-0.07	-0.13	-0.08	-0.05	-0.24	-0.62	-0.64	-0.42	-0.34	-0.22	-0.14	0.37	1.02	1.39	1.20	0.90
1933	4	0.0	-0.02	0.16	-0.07	-0.17	-0.34	-0.36	-0.22	-0.06	0.11	0.28	0.27	0.11	0.02	0.22	0.64	1.02	0.85	0.80
1933	5	0.0	-0.09	-0.17	-0.27	-0.32	-0.29	-0.07	-0.01	0.05	-0.09	-0.11	-0.31	-0.33	-0.25	-0.42	-0.20	-0.01	0.16	0.30
1933	6	0.0	0.10	0.05	-0.35	-0.40	-0.32	-0.14	-0.10	0.10	0.13	-0.06	-0.04	-0.09	-0.60	-0.53	-0.34	-0.50	-0.54	-0.40
1933	7	0.0	-0.07	-0.28	-0.48	-0.51	-0.42	-0.09	0.31	0.49	0.41	0.41	0.28	0.39	0.51	0.26	0.06	-0.30	-0.74	-0.70
1933	8	0.0	0.06	-0.32	-0.31	-0.36	-0.37	-0.07	-0.04	0.22	0.26	0.17	0.26	0.28	0.51	0.66	0.02	-0.44	-0.50	-0.40
1933	9	0.0	-0.09	-0.24	-0.35	-0.56	-0.34	0.07	0.21	0.34	0.25	-0.00	0.15	0.24	-0.05	-0.35	-0.54	-0.88	-1.18	-1.10
1933	10	0.0	-0.02	-0.24	-0.46	-0.32	-0.06	0.21	0.21	0.11	0.14	-0.24	0.16	0.36	0.27	0.15	-0.03	-0.37	-0.36	-0.50
1933	11	0.0	-0.12	0.18	-0.22	-0.26	-0.06	0.18	0.30	0.24	0.07	-0.12	-0.07	0.21	-0.41	-0.98	-1.19	-1.20	-0.74	-0.20
1933	12	0.0	0.25	-0.11	0.10	0.08	0.33	0.60	0.41	0.02	-0.51	-1.61	-1.56	-0.01	-0.69	0.42	0.66	0.28	-0.41	-0.40
1934	1	0.20	-0.20	-0.25	-0.17	-0.34	-0.43	-0.30	-0.26	0.12	-0.17	0.19	0.85	1.35	1.11	2.30	2.53	2.68	2.37	2.30
1934	2	0.0	-0.55	-0.55	-0.52	-0.40	-0.25	-0.07	-0.06	0.08	0.79	1.37	2.61	3.29	2.84	2.09	1.94	0.39	-0.74	-0.90
1934	3	0.0	-0.35	-0.43	-0.31	-0.30	-0.21	-0.22	-0.20	-0.03	0.17	-0.42	-0.29	-0.06	0.03	0.48	2.06	3.71	4.23	4.10
1934	4	0.0	-0.02	-0.30	-0.19	-0.21	0.02	0.11	0.17	0.23	-0.14	-0.09	0.52	0.48	-0.18	-0.56	-0.52	-0.89	-1.40	-2.00
1934	5	0.0	0.02	-0.20	-0.24	-0.35	-0.12	-0.01	0.05	0.56	0.98	0.95	0.51	0.47	0.17	0.57	0.75	0.21	-0.09	-0.20
1934	6	0.0	-0.01	-0.26	-0.35	-0.09	0.19	0.39	0.49	0.51	0.27	0.06	0.23	0.38	0.24	0.15	0.26	0.29	0.36	0.20
1934	7	0.05	0.07	-0.05	-0.06	-0.15	-0.12	0.18	0.54	0.44	0.06	-0.26	-0.02	0.28	0.61	0.85	0.60	0.31	0.31	0.30
1934	8	0.0	0.03	-0.05	-0.10	-0.04	0.17	0.22	0.08	0.02	-0.04	0.07	0.28	0.40	0.24	0.09	-0.03	-0.11	-0.36	-0.30
1934	9	0.0	0.04	0.05	0.03	0.04	0.05	0.18	-0.06	-0.28	-0.35	-0.29	-0.12	-0.14	-0.07	0.35	0.84	0.93	0.66	0.60
1934	10	0.0	-0.15	-0.07	0.04	0.05	0.16	0.17	-0.05	0.04	0.19	0.44	0.76	0.72	0.85	1.36	1.53	1.16	0.94	0.90
1934	11	0.0	-0.24	-0.13	-0.03	0.04	0.12	0.04	-0.16	-0.04	0.52	1.12	1.57	2.15	2.39	2.51	2.95	3.06	3.11	3.20
1934	12	0.0	-0.11	-0.18	0.02	0.33	0.58	0.65	0.66	0.67	0.74	0.17	0.72	1.54	2.00	1.62	2.39	2.62	2.58	2.40

TABLE 1. (continued)

1935	1	0.07	0.08	0.10	0.10	-0.13	-0.22	-0.28	-0.49	-0.44	-0.41	-0.61	-0.44	-0.01	0.11	0.38	-0.31	-0.71	-0.69	-0.50
1935	2	-0.27	-0.34	-0.20	-0.14	-0.13	0.0	0.09	0.39	1.01	1.84	2.33	2.39	2.53	2.42	2.23	2.22	2.36	2.49	2.50
1935	3	0.0	0.22	0.22	0.21	0.14	0.30	0.49	0.72	0.67	0.61	0.26	0.02	0.28	0.38	0.90	0.77	0.50	-0.11	-0.20
1935	4	0.20	0.08	-0.16	-0.24	-0.36	-0.16	-0.10	-0.01	-0.13	-0.37	-0.26	0.03	0.33	-0.52	-0.94	-0.66	-0.36	-0.34	-0.30
1935	5	-0.10	-0.23	-0.41	-0.29	-0.14	0.11	-0.01	-0.15	-0.35	-0.49	-0.21	-0.15	0.07	0.15	0.42	-0.37	-1.11	-1.22	-1.30
1935	6	0.01	0.02	-0.17	-0.15	-0.05	0.10	0.07	0.20	-0.11	-0.11	0.03	0.28	0.39	0.55	0.28	-0.11	-0.68	-0.95	-1.20
1935	7	0.30	0.15	0.09	-0.16	-0.22	-0.06	0.13	0.23	0.34	0.47	0.48	0.33	0.16	0.72	0.93	0.74	0.56	0.49	0.50
1935	8	0.05	0.10	0.03	-0.13	-0.21	-0.17	-0.02	0.16	0.30	0.48	0.50	0.45	0.55	0.32	0.31	0.80	0.61	0.55	0.50
1935	9	0.11	-0.04	-0.18	-0.27	-0.28	-0.14	0.04	0.14	0.49	0.66	0.53	0.64	0.57	0.61	0.53	0.09	-0.29	-0.45	-0.50
1935	10	0.01	-0.04	-0.15	-0.16	-0.12	0.01	0.24	0.36	0.74	1.16	1.30	0.73	-0.17	-1.02	-0.34	1.22	2.59	3.42	3.60
1935	11	-0.15	-0.01	-0.09	-0.07	-0.04	0.13	0.27	-0.01	-0.43	-0.86	-1.00	-0.69	-0.35	-0.18	0.76	2.04	2.84	3.08	3.60
1935	12	-0.06	-0.06	0.02	0.14	0.14	0.04	-0.06	-0.22	-0.55	-0.84	-0.67	0.01	0.75	1.35	2.15	2.89	3.41	3.45	3.40
1936	1	-0.07	-0.06	-0.02	0.15	0.14	-0.07	-0.11	-0.27	-0.22	0.04	0.44	0.33	0.20	-0.95	-1.13	0.62	2.70	3.89	4.20
1936	2	0.0	0.10	0.29	0.63	0.40	0.45	0.29	0.13	-0.31	-0.47	-0.02	0.46	0.32	-0.40	-1.04	-0.52	0.16	1.07	1.50
1936	3	0.35	0.25	0.20	0.23	-0.02	-0.13	-0.12	0.05	0.06	0.16	0.27	0.43	0.39	0.16	0.38	-0.78	-1.07	-0.43	-0.10
1936	4	0.0	-0.14	0.04	0.08	-0.09	0.01	-0.01	-0.07	-0.11	-0.37	-0.59	-0.24	0.49	1.22	1.90	1.90	1.63	1.43	1.40
1936	5	-0.05	-0.02	0.04	0.09	-0.04	-0.13	0.08	0.06	0.04	0.10	-0.10	-0.13	0.39	0.78	0.31	0.73	1.03	1.41	1.40
1936	6	0.0	-0.21	-0.13	-0.13	-0.22	-0.16	-0.16	-0.02	-0.01	0.32	0.48	0.64	0.79	1.13	1.25	1.51	0.74	0.04	-0.20
1936	7	0.0	-0.13	-0.11	-0.16	-0.22	-0.22	-0.06	0.14	0.32	0.64	0.72	1.06	1.47	1.28	1.14	0.70	0.32	-0.10	-0.20
1936	8	0.10	-0.02	-0.05	-0.04	-0.02	0.02	-0.07	-0.06	0.17	0.27	0.25	0.51	0.85	0.88	0.68	0.39	0.46	0.51	0.60
1936	9	-0.03	0.01	-0.08	-0.17	-0.26	-0.16	0.21	0.35	0.51	0.49	0.54	0.57	0.38	0.29	0.40	0.99	0.92	0.64	0.50
1936	10	0.0	0.0	0.04	0.02	-0.04	-0.08	0.05	0.17	0.46	0.46	0.54	0.30	-0.04	-0.38	-0.81	0.67	2.21	2.65	2.70
1936	11	-0.10	0.40	0.51	0.38	0.29	0.06	0.12	0.05	0.08	0.00	0.18	0.54	0.78	0.90	1.02	1.59	1.44	0.94	1.00
1936	12	0.13	0.22	0.51	0.41	0.23	0.23	0.0	0.05	0.09	0.85	1.03	1.68	1.38	0.59	0.45	1.75	2.38	2.97	3.20
1937	1	-0.20	0.07	0.11	0.10	0.04	0.13	0.21	-0.36	-0.78	-0.67	-1.54	-0.17	1.75	3.36	3.70	4.40	5.35	6.95	5.90
1937	2	0.0	0.27	0.24	0.22	0.22	0.35	0.37	0.54	0.75	1.02	0.73	0.83	1.21	1.35	2.61	2.04	0.82	-0.39	-0.70
1937	3	0.0	0.13	0.21	0.33	0.15	0.07	0.08	-0.21	-0.46	-0.62	-0.43	0.04	0.26	0.68	0.32	0.79	0.82	1.17	1.30
1937	4	0.0	-0.15	-0.09	0.04	0.19	0.35	0.30	0.10	-0.24	-0.44	0.12	0.82	0.87	0.47	0.58	0.77	0.72	0.19	-0.20
1937	5	0.0	-0.13	0.01	-0.07	-0.07	0.08	0.30	0.38	0.38	0.41	0.37	0.46	0.73	0.70	0.71	1.06	1.26	1.53	1.50
1937	6	0.0	0.31	0.35	0.41	0.24	0.20	0.27	0.23	-0.03	0.04	0.37	0.79	1.14	1.11	1.10	0.39	-0.14	-0.37	-0.60
1937	7	0.0	0.13	0.02	0.04	-0.08	0.04	0.35	0.44	0.66	0.73	0.54	0.42	0.22	0.19	0.89	0.50	0.12	0.22	0.20
1937	8	0.0	0.10	0.05	-0.08	-0.06	0.07	0.35	0.77	1.01	0.82	0.73	0.38	0.04	0.01	0.28	0.16	-0.25	-0.39	-0.30
1937	9	0.0	0.03	0.03	0.19	0.25	0.43	0.43	0.41	0.74	1.02	0.94	0.71	0.55	0.72	0.89	0.53	-0.63	-1.55	-1.80
1937	10	0.0	0.04	0.09	0.10	0.23	0.32	0.37	0.28	0.48	0.67	0.87	1.16	1.35	1.54	1.15	0.22	-0.78	-1.81	-2.10
1937	11	0.0	-0.19	-0.06	0.37	0.47	0.39	0.24	-0.11	-0.32	-0.38	0.10	0.35	0.96	2.24	3.43	3.45	2.81	2.22	2.30
1937	12	0.0	0.69	0.26	0.35	0.32	0.16	0.09	0.14	0.07	-0.08	0.15	-0.51	-0.70	0.64	1.68	3.10	2.84	2.74	2.70
1938	1	-0.10	0.12	0.29	0.30	0.30	0.23	-0.20	0.04	0.20	0.74	0.66	0.69	1.31	1.90	2.78	2.37	4.06	3.28	2.60
1938	2	-0.10	0.03	0.30	0.24	0.08	-0.08	-0.24	-0.15	0.46	0.75	0.90	1.24	1.44	1.15	1.44	3.01	4.69	6.18	7.20
1938	3	-0.20	-0.09	0.19	-0.10	-0.27	-0.08	0.05	-0.07	0.06	0.84	1.34	1.43	1.49	1.72	1.82	2.57	3.30	3.21	2.90
1938	4	0.0	0.01	0.02	-0.23	-0.19	0.01	-0.04	0.26	0.58	0.87	1.05	1.01	1.09	1.42	1.18	1.16	0.74	-0.01	-0.20
1938	5	0.0	0.05	0.05	0.10	0.09	0.30	0.69	0.56	0.13	-0.02	0.39	0.56	0.74	0.56	0.40	0.74	0.36	0.38	0.30
1938	6	0.0	-0.06	-0.07	-0.10	-0.03	0.20	0.23	0.37	0.17	0.53	0.54	0.39	0.44	0.58	0.86	1.16	0.89	0.69	0.20
1938	7	0.0	0.06	0.12	0.07	-0.09	0.11	0.12	0.38	0.47	0.65	0.47	0.57	0.49	0.82	1.19	0.82	0.40	0.27	0.30
1938	8	0.0	0.22	-0.18	-0.42	-0.18	0.01	0.43	0.62	0.88	0.88	0.84	0.88	0.64	0.31	0.66	0.82	0.54	0.33	0.40
1938	9	0.0	0.05	-0.16	-0.17	-0.02	0.14	0.27	0.28	0.36	0.68	0.65	1.19	1.48	1.42	1.37	1.54	1.68	1.43	1.30
1938	10	0.0	-0.02	0.05	0.13	0.17	0.34	0.42	0.55	0.76	0.89	0.92	0.91	0.42	0.64	0.69	1.85	3.16	3.59	3.50
1938	11	0.0	-0.23	-0.08	-0.01	0.03	-0.04	-0.08	-0.05	0.21	0.67	0.86	1.38	1.48	2.52	3.23	3.71	4.06	3.71	3.60
1938	12	0.0	0.47	0.26	0.18	0.26	0.27	0.34	0.53	0.17	-0.84	-1.55	-1.34	-0.50	1.44	2.79	4.81	5.91	6.38	6.60
1939	1	0.0	0.0	-0.12	-0.14	-0.00	0.29	0.44	0.63	0.97	0.98	0.58	0.52	0.29	0.0	-0.26	0.99	1.63	1.81	2.00
1939	2	0.0	0.35	0.26	0.06	0.03	0.08	0.08	0.27	0.33	0.69	0.66	0.80	1.47	1.28	0.46	0.35	0.84	0.97	0.90
1939	3	0.0	0.21	0.20	0.01	-0.03	-0.02	-0.09	-0.09	-0.09	-0.25	-0.32	-0.01	0.39	0.37	0.76	1.50	2.24	4.11	5.20
1939	4	0.0	-0.20	-0.19	-0.29	-0.33	-0.25	-0.35	-0.33	-0.16	0.05	0.68	0.97	1.22	1.69	1.81	1.52	1.98	0.96	0.10
1939	5	0.0	0.08	0.01	0.03	0.11	0.13	0.39	0.30	0.54	0.41	0.21	0.08	0.52	1.00	0.19	0.13	-0.18	-0.72	-1.00
1939	6	0.0	0.33	0.08	-0.05	-0.08	-0.10	0.09	0.21	0.24	0.09	0.19	0.43	0.72	1.05	0.75	0.41	-0.15	-0.40	-0.40
1939	7	0.0	0.10	0.04	-0.01	-0.12	-0.17	0.18	0.46	0.61	0.64	0.76	0.60	-0.03	-0.17	0.26	0.84	1.13	1.31	1.50
1939	8	0.0	0.04	0.08	0.04	-0.11	-0.21	-0.03	0.15	0.44	0.55	0.61	0.69	0.51	0.50	0.59	0.37	0.24	0.25	0.20
1939	9	0.0	0.02	0.06	0.20	0.24	0.26	0.44	0.60	0.56	0.27	0.22	0.14	0.03	0.04	0.53	0.67	0.52	0.49	0.40
1939	10	0.0	-0.20	-0.10	0.03	0.14	0.06	0.38	0.57	0.27	-0.55	-1.11	-0.93	-0.58	-0.10	0.61	0.81	0.88	0.86	1.00
1939	11	0.0	-0.18	-0.16	-0.16	0.01	0.0	0.03	0.03	0.12	0.21	0.66	0.93	1.43	1.42	1.32	1.07	0.85	0.61	0.0
1939	12	0.0	0.13	0.20	0.29	0.36	0.44	0.74	0.77	0.92	1.43	1.39	1.89	2.84	2.42	2.95	2.27	0.93	0.44	0.40
1940	1	-0.11	0.03	0.05	0.13	0.19	0.15	-0.01	-0.28	-0.69	-0.85	-1.11	-0.57	1.08	1.00	3.10	4.50	5.30	5.38	5.40
1940	2	0.08	0.0	0.0	0.13	0.25	0.22	0.39	0.52	0.79	0.62	0.24	0.37	0.58	1.11	1.85	1.23	0.05	-1.21	-1.70

TABLE 1. (continued)

1940	3	0.09	0.11	-0.07	-0.04	0.02	0.02	-0.00	0.08	0.25	0.66	1.06	1.00	0.92	1.19	1.07	0.69	0.12	-0.32	-0.30
1940	4	0.15	0.17	0.21	0.13	-0.12	0.06	-0.02	0.13	0.24	0.34	0.54	0.84	1.43	2.62	2.51	1.44	0.06	-1.11	-0.30
1940	5	-0.10	0.30	0.34	0.21	-0.05	-0.16	-0.08	-0.07	-0.03	0.03	0.08	0.35	1.43	2.62	2.51	1.44	0.06	-1.11	-0.30
1940	6	0.0	0.09	0.11	0.22	-0.09	0.03	-0.12	-0.09	0.04	0.13	0.16	0.26	0.26	0.60	0.38	0.46	0.54	0.47	0.50
1940	7	0.0	0.28	0.16	0.30	-0.24	0.04	0.33	-0.27	0.33	0.35	0.26	0.29	0.36	0.29	0.43	0.72	0.72	0.74	1.00
1940	8	-0.08	-0.01	0.07	0.10	0.09	0.0	-0.11	-0.21	-0.05	0.04	0.45	0.34	0.39	0.32	0.18	0.07	0.72	0.74	1.00
1940	9	0.10	0.31	0.57	0.48	0.38	0.09	-0.17	0.14	0.13	0.44	0.54	0.62	0.55	0.47	0.91	1.02	1.31	1.21	0.90
1940	10	0.25	0.31	0.49	0.49	0.58	0.51	0.62	0.69	0.74	0.43	0.17	0.45	0.41	0.22	0.27	1.14	2.23	2.44	2.50
1940	11	-0.33	0.24	0.20	0.22	0.40	0.33	0.31	0.21	0.31	0.27	0.30	0.19	0.41	1.01	1.73	1.94	2.31	2.84	3.30
1941	12	-0.07	0.02	0.38	0.47	0.42	0.57	0.54	0.72	1.00	0.89	0.99	0.51	0.24	-0.30	-0.35	0.61	2.57	4.12	4.80
1941	1	0.20	0.25	0.44	0.70	0.81	0.57	0.54	0.57	0.73	0.66	0.29	0.17	-0.55	-0.38	-0.61	-1.16	-1.42	-2.11	-2.30
1941	2	-0.10	0.38	0.42	0.71	0.65	0.51	0.51	0.69	1.06	1.25	0.94	0.19	-0.03	0.93	0.58	0.38	1.23	2.05	2.30
1941	3	-0.03	0.10	0.38	0.77	0.50	0.41	0.38	0.29	0.46	0.60	0.31	0.51	-0.05	-0.95	-2.02	-1.16	0.02	-1.82	-1.00
1941	4	0.0	0.51	0.89	0.84	0.60	0.27	0.33	0.56	0.44	0.60	0.16	0.36	-0.24	-0.32	-1.77	-2.22	-1.63	-1.65	-1.60
1941	5	0.37	0.44	0.47	0.55	0.38	0.42	0.50	0.49	0.42	0.09	-0.31	-0.54	-0.22	0.71	0.29	-0.39	-0.17	0.26	0.40
1941	6	0.0	0.07	0.39	0.55	0.38	0.19	0.09	0.14	0.44	0.08	0.75	0.47	0.38	0.49	0.30	-0.06	-0.72	-1.04	-1.30
1941	7	0.0	0.09	0.44	0.68	0.42	0.29	0.41	0.21	0.15	-0.22	0.01	0.41	0.56	0.70	0.56	0.17	-0.25	-0.42	-0.40
1941	8	0.22	0.31	0.67	0.72	0.61	0.55	0.25	0.09	-0.22	-0.33	-0.36	0.02	0.44	0.77	0.62	0.30	0.15	-0.15	-0.30
1941	9	0.15	0.16	0.34	0.58	0.45	0.19	-0.07	-0.16	-0.18	-0.22	-0.23	-0.23	0.45	0.22	0.26	0.0	0.07	0.34	0.30
1941	10	0.10	0.12	0.42	0.48	0.26	0.25	0.39	0.36	0.31	0.02	-0.03	-0.15	0.43	0.89	1.07	0.66	0.06	-0.12	-0.20
1941	11	-0.02	0.20	0.54	0.74	0.83	0.71	0.61	0.54	0.36	0.11	-0.68	-0.94	-0.27	-0.61	-0.34	-0.41	-0.46	-1.03	-1.10
1941	12	-0.07	-0.06	0.17	0.27	0.49	0.65	0.48	0.23	0.17	0.56	-0.08	-0.16	1.52	2.67	4.26	4.10	4.27	5.31	5.40
1942	1	0.05	0.30	0.15	0.13	0.12	-0.00	-0.08	-0.04	0.05	0.02	-0.16	0.19	1.80	-1.27	0.36	1.61	2.33	2.32	2.10
1942	2	0.0	0.66	0.88	1.07	0.84	0.50	0.04	-0.50	-0.87	-1.33	-1.00	0.07	-0.66	-1.42	-1.89	-1.54	-1.26	-0.80	-0.80
1942	3	0.78	0.38	0.30	0.40	0.54	0.65	0.69	0.56	0.47	0.73	0.69	0.07	0.66	1.42	-1.89	-1.54	-1.26	-0.80	-0.80
1942	4	0.07	-0.02	0.22	0.33	0.49	0.50	0.70	0.65	0.33	0.17	-0.33	-0.41	-0.19	0.09	-0.49	-0.23	0.18	0.47	0.40
1942	5	-0.07	-0.15	0.10	0.41	0.62	0.69	0.71	0.51	0.23	0.05	-0.22	-0.08	0.28	0.58	0.91	0.84	0.86	1.40	1.60
1942	6	0.0	-0.03	0.24	0.23	0.42	0.61	0.59	0.62	0.66	0.39	-0.06	-0.26	-0.24	0.16	0.36	0.19	0.21	0.47	0.30
1942	7	0.03	-0.12	0.04	0.06	0.03	0.21	0.41	0.76	0.57	0.17	-0.24	0.04	0.15	0.21	0.08	0.12	0.20	0.28	0.30
1942	8	-0.32	-0.19	-0.01	-0.14	-0.09	0.08	0.15	0.11	0.19	0.26	0.22	0.21	-0.11	-0.21	-0.38	-0.61	-0.69	-0.70	-0.70
1942	9	0.0	0.01	0.18	0.22	0.15	0.10	0.17	0.29	0.33	0.51	0.32	0.29	0.21	0.38	0.27	0.30	0.50	0.70	0.80
1942	10	0.0	0.16	0.11	0.15	0.14	0.33	0.44	0.42	0.55	0.78	0.84	0.65	0.49	0.38	0.21	0.91	1.52	1.20	1.10
1942	11	-0.10	0.05	0.16	0.18	0.33	0.61	0.76	0.55	0.35	-0.03	-0.28	-0.07	0.57	0.54	0.14	0.70	1.42	3.55	3.20
1942	12	-0.10	-0.09	0.10	0.34	0.23	0.33	0.38	0.32	0.04	-0.05	-0.26	0.16	1.22	1.34	2.22	2.61	3.42	3.55	3.20
1943	1	-0.30	-0.33	-0.16	-0.05	0.16	0.16	0.12	0.0	0.22	-0.41	-0.71	-0.52	0.61	0.69	0.64	0.77	0.81	0.02	-0.20
1943	2	-0.30	-0.19	-0.33	-0.39	-0.39	-0.18	0.05	0.16	0.36	0.40	1.06	1.16	2.15	2.22	1.88	0.76	0.55	0.40	0.50
1943	3	0.0	-0.46	-0.36	-0.08	-0.01	0.12	-0.07	0.08	0.17	0.56	0.96	0.95	1.26	1.83	1.05	0.54	0.54	0.08	-0.30
1943	4	0.0	-0.46	-0.36	-0.40	-0.11	-0.07	0.07	0.03	-0.09	0.17	0.29	0.46	0.83	1.47	1.79	1.42	1.94	1.84	1.90
1943	5	-0.50	-0.34	-0.54	-0.44	-0.19	0.07	0.09	0.61	0.46	0.24	-0.26	-0.14	0.15	0.81	1.40	1.30	0.77	0.64	0.50
1943	6	0.10	-0.52	-0.08	-0.31	-0.35	0.00	0.38	0.61	0.46	0.24	-0.26	-0.14	0.15	0.81	1.40	1.30	0.77	0.64	0.50
1943	7	-0.30	-0.47	-0.13	-0.17	-0.15	0.04	0.13	0.39	0.59	0.49	0.17	0.10	0.10	0.09	0.01	-0.04	0.06	0.12	0.20
1943	8	-0.60	-0.31	-0.25	-0.30	-0.22	-0.15	-0.05	0.11	0.23	0.28	0.27	0.44	0.48	0.65	0.63	0.43	0.54	0.63	0.70
1943	9	-0.73	-0.36	-0.16	-0.14	-0.15	0.04	0.13	0.66	0.69	0.60	0.27	0.44	0.48	0.65	0.63	0.43	0.54	0.63	0.70
1943	10	-0.05	-0.02	-0.10	0.20	0.18	0.20	0.15	0.00	0.17	0.52	0.62	0.96	1.36	1.99	1.90	2.22	2.15	1.86	1.80
1943	11	-0.13	0.02	0.15	0.32	0.33	0.39	0.41	0.33	0.33	0.32	0.60	1.04	1.23	2.96	3.10	2.42	1.24	0.12	-0.50
1943	12	-0.08	-0.03	0.14	0.28	0.56	0.68	0.67	0.51	0.53	0.32	0.60	1.04	1.23	2.96	3.10	2.42	1.24	0.12	-0.50
1944	1	0.0	-0.19	-0.03	0.17	0.26	0.32	0.39	0.56	0.67	1.62	2.36	2.36	2.39	2.28	1.82	2.68	3.06	2.80	2.60
1944	2	0.0	-0.22	-0.13	-0.01	0.07	0.10	0.17	0.17	0.34	0.74	1.25	1.08	1.51	2.33	1.69	1.92	1.74	2.21	1.10
1944	3	0.0	-0.21	-0.12	-0.05	0.03	0.13	0.20	0.12	0.15	0.47	1.00	1.02	1.03	1.14	1.34	1.74	2.21	1.61	1.10
1944	4	0.05	-0.04	-0.09	0.11	0.21	0.22	0.22	0.08	0.46	0.67	0.69	0.91	0.78	0.75	1.28	1.10	0.72	0.71	0.70
1944	5	0.0	-0.09	0.06	-0.10	0.09	-0.00	0.29	0.46	0.47	0.46	0.40	0.29	0.49	0.62	0.56	0.34	-0.13	-0.19	0.10
1944	6	0.0	0.13	0.07	0.12	0.23	0.26	0.28	0.09	0.33	0.41	0.22	0.04	-0.10	-0.09	0.06	0.14	0.19	0.21	0.30
1944	7	0.0	-0.06	-0.01	0.14	-0.23	-0.31	-0.15	0.09	0.03	0.23	0.08	0.06	-0.05	-0.28	-0.01	-0.54	-0.43	-0.27	-0.40
1944	8	0.0	-0.12	0.01	0.04	-0.05	-0.12	0.01	0.14	0.11	0.37	0.32	0.40	0.47	0.24	-0.41	-0.54	-0.53	-0.53	-0.60
1944	9	0.0	0.02	-0.13	-0.10	-0.11	-0.01	-0.01	-0.03	0.22	0.37	0.76	0.90	0.85	0.79	1.42	0.97	0.46	-0.01	-0.26
1944	10	-0.15	-0.02	0.02	0.10	0.08	-0.01	0.06	-0.03	0.07	0.13	0.36	0.53	0.82	1.51	1.42	0.97	0.46	-0.01	-0.26
1944	11	0.0	0.04	0.25	0.33	0.27	0.35	0.55	-0.12	-0.07	0.13	-0.26	-0.58	-0.39	0.72	1.84	2.37	2.65	1.53	1.40
1944	12	0.0	-0.06	-0.03	-0.03	-0.20	-0.23	-0.47	-0.74	-1.61	-1.68	-1.44	-0.07	1.44	2.77	3.47	2.66	3.97	4.21	3.90

TABLE 1. (continued)

1945	1	0.0	0.17	0.46	0.35	0.09	-0.31	-0.63	-0.88	-0.74	-0.33	-0.05	0.03	0.86	1.91	2.34	2.91	1.85	0.86	0.70
1945	2	0.0	-0.10	-0.40	-0.07	-0.09	-0.21	-0.23	-0.29	-0.61	-0.57	-0.46	0.09	0.45	0.83	1.45	1.94	1.72	1.31	0.90
1945	3	0.32	0.29	0.03	-0.08	0.12	0.19	0.24	0.06	0.03	0.31	0.55	0.25	0.29	0.78	-0.06	0.46	0.44	0.33	0.20
1945	4	0.0	-0.05	0.07	0.08	0.15	0.24	0.26	0.38	0.46	0.34	0.34	0.17	0.42	0.21	0.06	1.35	1.58	1.59	1.20
1945	5	0.05	-0.02	-0.29	0.01	0.20	-0.21	-0.03	0.06	-0.12	-0.12	-0.23	-0.23	0.20	0.64	0.72	0.38	0.21	0.09	0.10
1945	6	0.0	-0.07	0.01	0.20	0.19	0.22	0.28	0.27	-0.10	-0.17	-0.31	-0.37	0.06	0.44	0.76	0.08	-0.29	-0.42	-0.40
1945	7	0.0	-0.05	0.01	0.04	0.16	0.11	0.09	0.06	-0.17	-0.16	-0.24	-0.26	-0.23	0.05	0.33	0.38	0.27	0.30	0.20
1945	8	0.0	-0.11	-0.10	-0.13	0.03	-0.06	0.22	0.26	0.24	0.20	0.08	0.19	0.68	0.92	0.21	-0.21	-0.43	-0.58	-0.70
1945	9	0.10	-0.04	0.07	-0.10	-0.03	0.13	0.21	0.22	0.04	-0.13	0.24	0.12	0.10	0.39	0.21	0.21	0.43	0.38	-0.40
1945	10	0.0	-0.06	-0.12	-0.30	-0.37	-0.43	-0.28	0.01	0.25	0.53	0.49	0.51	0.76	1.11	1.17	0.77	0.76	0.26	0.10
1945	11	0.0	0.18	0.13	0.10	0.31	0.51	0.63	0.54	0.43	0.03	-0.07	-0.22	0.10	0.39	0.21	-0.21	0.43	0.58	0.70
1945	12	0.0	-0.29	-0.13	0.09	0.18	0.11	-0.01	-0.22	-0.20	-0.34	0.41	-0.85	-0.97	-0.79	-0.96	-0.67	0.17	0.20	0.30
1946	1	0.0	-0.45	0.50	0.40	0.46	0.60	0.46	0.52	0.76	0.83	0.83	0.57	0.98	0.91	0.65	1.22	1.39	0.02	-0.60
1946	2	-0.05	0.48	0.56	0.60	0.61	0.65	0.48	0.67	1.27	1.55	1.65	0.85	-0.64	-0.34	1.05	-0.86	-0.36	-0.26	0.0
1946	3	0.36	0.46	0.45	0.61	0.58	0.46	0.31	0.46	0.49	0.30	0.36	-0.45	-0.64	-0.34	1.05	-0.86	-0.36	-0.26	0.0
1946	4	-0.16	0.01	0.14	0.15	0.28	0.57	0.94	0.87	0.79	0.92	1.01	0.56	0.34	0.36	-0.16	-0.75	-1.42	-1.92	-2.20
1946	5	-0.10	0.03	0.29	0.30	0.15	0.12	0.15	-0.01	-0.28	-0.18	-0.22	-0.41	-0.08	0.64	1.25	1.16	0.63	0.71	0.90
1946	6	-1.07	-0.64	-0.23	-0.17	-0.05	0.12	0.26	0.14	0.12	0.27	-0.07	-0.46	-0.50	0.31	0.11	0.00	0.20	0.34	0.30
1946	7	-0.40	-0.26	-0.13	-0.05	0.04	0.05	0.08	0.11	0.19	0.56	0.07	0.06	0.07	0.28	0.05	-0.26	-0.24	-0.11	0.0
1946	8	-0.77	-0.60	-0.38	-0.29	-0.24	-0.10	0.23	0.19	0.02	0.21	0.16	0.18	0.14	0.31	0.10	0.04	0.04	-0.23	-0.30
1946	9	-0.10	-0.19	-0.23	-0.15	0.04	0.24	0.36	0.37	0.52	0.56	0.22	-0.06	-0.44	-0.49	-0.56	-0.21	-0.11	-0.64	-1.10
1946	10	0.02	-0.28	-0.23	-0.05	0.10	0.08	0.23	0.33	0.24	-0.08	-0.34	-0.39	-0.31	0.33	0.18	-0.09	-0.54	-0.58	-0.30
1946	11	-0.10	-0.04	0.15	0.25	0.16	0.47	0.56	0.56	0.43	0.30	-0.13	-0.24	0.21	0.34	0.94	1.20	1.24	0.98	0.80
1946	12	-0.15	0.02	0.01	0.23	0.31	0.24	-0.04	0.09	-0.21	-0.96	-1.43	-1.26	-0.87	0.05	0.43	0.70	1.29	0.0	-0.40
1947	1	0.05	0.06	0.14	0.35	0.27	0.37	0.50	0.30	0.08	-0.80	-1.11	-1.34	-1.31	-0.19	2.71	4.36	4.18	3.96	3.10
1947	2	0.10	0.09	0.42	0.57	0.36	0.11	0.06	0.07	0.08	-0.02	-0.24	-0.54	-0.60	0.45	0.36	0.72	2.46	2.68	2.70
1947	3	0.10	0.27	-0.03	0.15	0.35	0.55	0.48	0.48	0.50	0.59	0.65	0.17	0.08	0.83	1.91	1.74	1.29	0.78	0.50
1947	4	0.0	-0.03	0.08	0.17	0.26	0.33	0.42	0.72	0.73	0.70	0.47	0.14	0.33	0.90	1.20	0.82	0.34	0.36	0.40
1947	5	0.0	-0.02	0.21	0.10	0.12	0.16	0.30	0.33	0.16	-0.05	-0.33	-0.19	0.19	0.51	0.59	0.68	0.73	0.78	0.80
1947	6	0.32	0.18	0.02	0.22	0.29	0.17	0.21	-0.08	-0.36	-0.30	-0.38	-0.22	0.22	0.32	0.43	0.19	0.31	0.38	0.40
1947	7	0.0	-0.16	0.17	0.30	0.21	0.20	0.27	0.43	0.24	0.29	0.01	-0.04	-0.34	-0.41	-0.38	0.01	0.12	0.20	0.30
1947	8	-0.08	-0.07	0.12	0.09	0.04	0.05	0.33	0.46	0.41	0.42	0.07	-0.32	-0.45	-0.29	-0.38	-0.42	-0.37	-0.41	-0.40
1947	9	0.03	0.02	0.02	0.06	0.04	0.20	0.45	0.37	0.10	0.31	0.17	0.02	0.29	0.38	0.19	0.22	0.37	0.39	0.40
1947	10	0.0	-0.20	0.01	0.16	0.10	0.14	0.25	0.41	0.42	0.41	0.60	1.10	1.76	2.32	2.96	2.83	2.93	2.45	2.10
1947	11	0.13	-0.02	-0.03	0.12	0.23	0.59	0.50	0.45	0.34	0.21	0.45	0.44	0.25	1.49	1.76	2.15	2.39	1.10	0.70
1947	12	-0.07	-0.08	0.26	0.45	0.44	0.35	0.17	0.15	0.02	-0.52	0.22	0.14	0.46	1.36	1.85	1.80	0.11	-1.17	-1.40
1948	1	0.0	-0.06	-0.06	0.03	0.19	0.48	0.39	0.49	0.88	1.61	2.04	1.60	1.17	1.18	0.66	-0.15	-1.58	-3.26	-3.50
1948	2	0.0	-0.19	0.00	0.19	0.19	0.67	0.55	0.61	0.78	0.64	0.01	-0.30	0.14	1.02	1.90	-0.01	-1.99	-2.83	-2.80
1948	3	0.0	-0.20	-0.10	-0.06	-0.09	-0.19	-0.42	-0.64	-0.41	0.19	0.21	-0.22	0.02	0.47	0.52	0.49	0.60	0.25	-0.10
1948	4	0.0	-0.17	0.05	0.11	0.02	0.25	0.47	0.49	0.27	0.43	0.33	-0.04	0.05	1.44	0.96	-0.24	-0.85	-1.50	-1.40
1948	5	0.0	-0.08	0.04	0.26	0.30	0.27	0.34	0.09	-0.16	0.03	0.50	0.64	0.96	1.33	0.88	0.29	0.12	0.02	0.0
1948	6	0.0	-0.06	-0.36	-0.20	0.16	0.34	0.38	0.35	0.26	0.37	0.45	0.58	0.60	1.08	-0.04	-0.43	-0.51	-0.53	-0.50
1948	7	0.0	0.08	0.12	0.05	0.08	0.0	0.01	-0.05	-0.04	0.01	0.12	0.30	0.39	0.20	0.26	-0.29	-0.02	0.21	0.30
1948	8	0.0	-0.11	-0.07	0.10	0.08	0.15	0.15	0.16	0.23	0.35	0.38	0.26	0.19	0.13	0.12	-0.40	-0.71	-0.64	-0.60
1948	9	0.0	-0.15	-0.05	0.12	0.14	0.10	0.10	0.07	0.05	0.16	0.21	0.34	0.35	0.46	0.18	-0.54	-0.45	-0.26	-0.30
1948	10	0.0	0.0	-0.05	-0.07	-0.16	-0.11	0.04	0.09	-0.03	0.17	0.36	0.89	0.99	1.24	0.84	0.48	0.57	0.72	1.30
1948	11	0.0	-0.32	-0.22	-0.09	-0.12	-0.04	0.24	0.06	-0.09	0.11	0.62	1.17	1.63	1.91	1.51	0.68	-0.91	-2.10	-2.70
1948	12	0.0	0.08	-0.09	-0.02	0.13	0.61	0.63	0.33	-0.06	-0.03	0.21	0.32	0.40	-0.82	-1.67	-3.47	-5.63	-7.11	-8.10
1949	1	0.0	0.25	-0.06	-0.32	-0.23	0.02	0.22	0.13	0.25	0.88	1.61	2.41	2.91	2.27	1.28	-0.62	-2.55	-4.96	-6.00
1949	2	0.0	-0.06	-0.22	-0.32	-0.34	-0.06	0.29	0.69	0.94	0.99	0.24	-0.06	-0.82	-0.91	1.94	2.52	1.94	2.52	2.80
1949	3	0.50	-0.03	0.08	0.10	0.07	0.05	-0.07	0.02	-0.23	-0.55	-0.69	-0.29	0.54	1.34	2.72	4.16	4.94	4.84	4.60

TABLE 1. (continued)

1949	5	0.0	-0.10	-0.23	-0.02	0.01	0.12	0.49	0.56	0.52	0.40	0.45	0.14	-0.22	-0.27	-0.64	-0.97	-1.04	-1.11	-1.10
1949	6	0.10	-0.44	-0.14	-0.02	-0.07	0.01	0.04	0.16	0.50	0.44	0.22	0.01	-0.24	-0.64	-0.92	-0.92	-0.63	-0.23	-0.10
1949	7	0.0	-0.09	-0.04	-0.17	-0.31	-0.27	-0.02	0.56	0.76	0.51	0.10	-0.35	-0.56	-0.82	-1.14	-0.99	-0.71	-0.56	-0.40
1949	8	0.10	-0.09	-0.05	0.10	0.01	-0.06	-0.09	0.09	0.44	0.71	0.52	0.22	0.25	0.41	0.01	-0.26	0.06	0.47	0.60
1949	9	0.0	-0.04	-0.08	-0.19	-0.33	-0.12	0.17	0.05	-0.14	0.02	0.09	0.14	0.42	0.92	0.52	-0.41	-1.03	-1.33	-1.40
1949	10	0.0	0.04	0.01	0.01	-0.16	-0.05	0.13	0.36	0.21	0.20	0.34	0.43	0.67	1.31	1.03	-0.57	-1.79	-2.54	-3.10
1949	11	0.0	0.03	-0.03	-0.12	-0.09	0.09	0.35	0.39	0.49	0.39	0.25	0.51	0.45	0.65	0.29	0.31	0.71	1.36	1.40
1949	12	0.10	-0.13	-0.11	0.16	0.41	0.64	0.56	0.32	0.22	-0.17	-0.64	-1.21	-1.12	0.38	1.83	2.81	3.76	4.48	4.80
1950	1	0.0	-0.17	-0.15	-0.01	0.22	0.50	0.59	0.54	0.37	-0.76	-1.15	-1.56	-1.88	-1.17	1.26	1.99	2.31	2.16	2.10
1950	2	-0.10	-0.16	-0.13	-0.05	0.12	0.12	0.25	0.35	-0.06	-0.10	-0.26	-0.35	0.36	0.14	-1.05	-1.27	-0.73	-0.31	-0.40
1950	3	0.0	-0.01	0.02	-0.09	0.17	0.08	-0.06	0.07	-0.09	-0.02	0.19	0.62	1.27	1.76	1.31	1.29	1.84	1.31	1.30
1950	4	0.0	-0.13	-0.04	-0.06	0.03	-0.01	0.08	0.09	0.12	0.11	-0.09	-0.16	0.03	0.41	-0.20	-0.25	0.21	0.30	0.40
1950	5	-0.10	-0.31	-0.13	-0.08	-0.07	-0.03	0.21	0.48	0.63	0.77	0.39	-0.09	-0.21	-0.02	0.27	0.08	-0.07	-0.16	-0.20
1950	6	1.00	0.0	-0.03	-0.07	-0.10	0.08	0.29	0.50	0.57	0.54	0.16	-0.10	0.04	0.24	0.56	0.32	-0.15	-0.26	-0.40
1950	7	0.0	-0.30	-0.28	-0.44	-0.49	-0.27	0.18	0.66	0.64	0.49	-0.07	-0.37	-0.68	-0.57	-0.44	-0.46	0.02	0.22	0.30
1950	8	0.0	-0.36	-0.20	-0.29	-0.26	-0.20	-0.01	0.24	0.34	0.29	-0.02	-0.18	-0.12	0.09	0.04	0.07	0.18	0.31	0.40
1950	9	0.0	-0.16	-0.04	-0.38	-0.09	0.17	0.11	0.16	0.25	0.22	0.07	-0.05	-0.02	0.19	0.27	0.20	0.26	0.31	0.40
1950	10	-0.21	-0.22	-0.35	-0.29	-0.07	0.45	0.46	0.56	0.25	-0.19	-0.62	-0.42	0.18	0.49	0.38	0.37	-0.33	-0.64	-0.40
1950	11	0.0	-0.08	-0.18	-0.06	-0.03	0.06	0.24	0.36	-0.06	-0.77	-0.90	-1.42	-1.22	0.13	1.32	1.84	1.21	-0.10	-0.80
1950	12	0.0	-0.06	-0.10	-0.19	-0.03	0.01	-0.26	-0.01	0.15	0.10	0.13	0.76	1.39	1.68	1.19	0.45	-1.88	-4.38	-5.20
1951	1	0.0	-0.08	-0.11	-0.15	0.05	0.15	0.27	0.36	0.53	0.38	-0.04	-0.88	-1.01	-0.99	-0.34	-1.43	-2.88	-4.10	-4.70
1951	2	0.0	-0.22	-0.22	-0.13	0.16	0.39	0.57	0.36	0.35	0.27	-0.62	-1.18	-1.29	-1.47	-1.37	-0.57	0.07	0.81	1.10
1951	3	0.0	-0.10	-0.01	0.11	0.17	0.26	0.39	0.36	-0.09	-0.21	-0.06	-0.05	-0.36	-0.70	-0.54	0.61	1.85	2.12	1.90
1951	4	0.0	-0.03	-0.09	-0.26	0.01	0.06	0.03	0.02	0.17	0.79	1.31	1.23	0.99	0.90	0.40	0.38	0.32	0.47	0.60
1951	5	0.0	0.25	0.04	0.04	0.15	0.16	0.38	0.51	0.73	1.01	0.84	0.17	-0.02	0.55	0.62	0.53	0.78	1.20	1.50
1951	6	0.05	-0.16	-0.02	0.00	0.01	0.00	0.20	0.19	0.29	0.54	0.60	0.27	-0.14	-0.24	-0.04	0.13	0.56	0.92	1.20
1951	7	0.0	-0.09	-0.01	0.19	0.31	0.33	0.28	0.0	0.02	0.34	0.56	0.33	-0.15	-0.43	-0.35	-0.26	-0.18	0.05	0.10
1951	8	0.0	0.0	0.14	0.18	0.06	0.15	0.41	0.49	0.25	0.41	0.38	0.13	0.51	0.81	0.56	-0.16	-0.32	-0.35	-0.40
1951	9	0.0	0.09	0.07	-0.05	0.25	0.28	0.21	-0.01	-0.06	0.09	0.26	0.49	0.98	1.23	1.20	0.68	0.67	1.01	1.10
1951	10	0.10	-0.32	-0.07	0.26	0.55	0.66	0.78	0.76	0.02	0.07	-0.31	-0.41	0.23	1.39	1.83	1.32	0.59	0.18	0.30
1951	11	0.66	0.39	0.30	0.20	0.26	0.14	0.26	0.18	0.19	0.52	0.40	-0.00	0.75	1.10	0.35	-0.20	-0.51	-0.87	-0.80
1951	12	0.0	0.46	0.10	-0.25	0.05	0.29	0.28	0.34	0.42	0.67	1.24	1.74	2.24	2.54	1.52	-0.26	-1.37	-1.24	-1.60
1952	1	0.0	0.10	0.13	0.28	0.29	0.39	0.51	0.73	1.15	1.23	0.92	0.79	-0.23	-0.49	-0.50	-0.17	1.36	2.05	2.30
1952	2	0.0	-0.17	-0.02	0.22	0.34	0.44	0.51	0.54	0.45	0.58	0.23	-0.35	-0.26	-0.59	0.23	0.87	1.21	1.66	1.70
1952	3	0.0	0.19	0.28	0.18	0.21	0.12	-0.02	-0.20	-0.21	-0.09	-0.59	-0.44	-0.17	-0.49	-0.79	-0.57	-0.54	-1.01	-1.30
1952	4	0.0	0.11	0.31	0.28	0.11	-0.01	0.27	0.52	0.67	0.74	0.48	0.17	0.08	0.76	0.42	0.10	0.42	0.87	1.20
1952	5	0.0	-0.13	-0.01	0.11	0.23	0.20	0.22	0.29	0.22	0.39	0.48	0.62	0.21	-0.11	0.61	1.11	2.39	4.46	5.40
1952	6	0.0	-0.14	0.03	0.07	0.10	0.25	0.45	0.59	0.60	0.34	0.09	0.10	-0.03	-0.09	0.28	0.48	0.25	-0.03	0.10
1952	7	0.0	-0.01	0.22	0.18	-0.04	-0.06	0.21	0.50	0.67	0.96	0.62	0.48	0.24	0.25	0.09	0.15	0.22	0.30	0.30
1952	8	0.0	-0.11	-0.04	-0.11	-0.10	0.10	0.14	0.14	0.26	0.82	1.00	0.46	0.03	-0.10	-0.14	-0.19	-0.06	0.17	0.20
1952	9	0.0	-0.03	-0.04	-0.13	0.01	0.29	0.48	0.49	0.47	0.64	0.52	0.47	0.15	0.05	0.38	0.51	0.44	0.60	1.10
1952	10	0.0	-0.03	0.01	0.01	0.18	0.32	0.17	0.03	0.08	0.39	0.25	-0.21	-0.66	-0.74	0.01	0.60	0.77	1.51	2.20
1952	11	0.10	-0.28	-0.27	0.16	0.33	0.44	0.43	0.11	-0.39	-1.13	-1.01	-0.95	-0.65	-0.05	1.02	2.13	2.52	2.09	1.60
1952	12	0.0	0.09	0.08	0.22	0.34	0.29	0.14	0.20	0.02	-0.47	0.10	0.54	0.93	0.84	0.55	1.45	2.21	1.45	0.70
1953	1	0.0	0.07	0.35	0.46	0.49	0.47	0.44	0.66	1.03	0.85	0.74	-0.22	-0.54	-0.01	0.46	0.82	1.99	2.59	2.60
1953	2	0.0	-0.01	0.24	0.52	0.50	0.46	0.51	0.72	1.09	1.18	0.67	-0.19	0.21	0.94	0.54	1.14	1.50	1.31	1.30
1953	3	0.0	-0.14	0.23	0.43	0.34	0.27	0.18	0.21	0.42	0.91	1.03	0.76	0.99	0.98	0.46	-0.77	-1.16	-1.51	-2.70
1953	4	0.0	0.0	0.05	0.09	0.32	0.32	0.22	-0.07	-0.44	-0.06	0.50	1.24	2.25	3.12	2.76	2.29	1.10	0.60	0.60
1953	5	-0.21	-0.14	-0.05	0.32	0.50	0.43	0.64	0.67	0.39	0.14	0.30	0.31	0.75	1.55	1.42	1.89	2.19	3.48	4.60
1953	6	0.27	0.08	-0.15	-0.13	0.19	0.27	0.33	0.24	0.04	0.04	0.10	0.30	0.71	1.38	1.17	0.46	0.64	1.00	0.80
1953	7	0.0	-0.40	-0.11	-0.22	0.18	0.32	0.46	0.54	0.48	0.39	0.29	0.39	0.36	0.52	0.67	0.38	-0.30	-0.36	-0.80
1953	8	0.20	-0.42	-0.02	-0.02	-0.01	0.16	0.54	0.40	0.30	0.50	0.50	0.53	0.59	0.91	0.63	0.33	-0.59	-1.38	-2.20
1953	9	-0.04	0.08	0.05	-0.08	-0.09	-0.09	-0.07	0.23	0.40	0.59	0.55	0.37	0.27	0.39	0.45	0.44	0.0	-0.41	-0.30
1953	10	0.11	0.02	0.12	0.14	0.12	0.00	0.09	0.13	0.26	0.46	0.50	0.32	0.48	0.68	0.78	0.41	0.50	0.46	0.30
1953	11	0.04	0.01	0.17	0.34	0.29	0.18	0.16	-0.06	-0.26	-0.48	-0.40	-0.15	-0.10	1.31	1.47	2.69	3.02	3.21	2.10
1953	12	0.15	-0.10	-0.07	-0.04	0.18	0.35	-0.04	-0.02	-0.06	0.73	1.03	0.94	1.13	1.37	-0.14	-0.10	0.90	-0.10	0.90
1954	1	0.40	0.11	0.12	0.36	0.29	0.06	0.03	-0.08	-0.00	-0.71	-2.31	-2.86	-1.74	0.11	0.88	1.54	2.02	0.72	0.20
1954	2	-0.70	-0.42	0.16	0.16	0.26	0.27	0.53	0.76	0.45	0.20	0.53	-1.09	-1.56	-1.60	-0.17	0.77	1.23	0.16	-0.20
1954	3	-0.06	-0.20	0.05	0.26	0.19	0.06	0.04	-0.08	-0.79	-1.13	-0.68	-0.46	0.46	1.64	1.59	-0.56	-2.47	-4.03	-5.40
1954	4	0.05	-0.11	0.15	0.30	0.26	0.23	0.36	0.56	0.46	-0.25	-1.22	-1.51	-0.46	0.94	1.83	2.09	1.77	1.50	1.40
1954	5	0.28	-0.14	-0.13	0.01	0.28	0.45	0.36	0.11	-0.13	-0.69	-0.81	-0.37	0.45	1.17	0.97	1.04	1.61	2.73	3.50
1954	6	-0.03	-0.36	-0.28	-0.13	-0.14	-0.02	0.05	-0.01	-0.16	-0.29	0.28	0.92	0.93	0.77	0.47	0.17	0.64	1.16	1.30

TABLE 1. (continued)

1954	7	-0.58	-0.44	-0.25	-0.19	0.13	0.27	-0.04	-0.05	-0.26	-0.49	-0.16	0.12	0.67	1.01	0.47	0.11	-0.28	-0.19	0.0
1954	8	-0.60	-0.66	-0.45	-0.44	-0.15	-0.06	0.01	0.04	-0.25	-0.04	0.17	0.26	0.57	1.05	1.33	1.14	0.76	0.86	0.90
1954	9	-0.30	-0.13	-0.19	-0.17	-0.08	-0.02	0.15	0.52	0.72	0.56	0.46	0.42	0.37	0.16	-0.02	0.26	0.44	1.21	1.40
1954	10	-0.50	-0.43	-0.32	-0.30	-0.24	-0.12	0.02	0.20	0.31	0.21	0.46	0.64	0.88	1.08	1.20	2.14	3.23	4.02	4.60
1954	11	0.10	-0.22	-0.04	-0.02	0.11	0.29	0.35	0.44	0.46	0.52	0.96	0.68	0.86	1.30	1.57	2.91	3.23	1.36	0.30
1954	12	0.0	0.03	-0.26	-0.15	-0.03	0.06	-0.18	-0.28	-0.39	-0.39	0.27	0.39	-0.09	-0.00	1.64	2.37	2.14	2.38	1.20
1955	1	0.0	-0.09	0.11	0.04	0.24	0.44	0.21	0.23	0.18	0.74	1.19	1.77	2.20	2.17	1.58	2.43	1.94	0.26	-1.10
1955	2	0.0	0.16	0.06	0.26	0.47	0.44	0.75	0.97	0.98	1.17	0.81	0.06	-1.23	-2.35	-2.70	-2.56	-1.83	-2.13	-3.10
1955	3	0.0	-0.51	-0.33	-0.07	0.26	0.58	0.66	0.57	0.05	-0.86	-1.54	-1.78	-2.05	-2.11	-1.65	0.11	1.26	2.41	3.20
1955	4	0.0	-0.20	-0.24	-0.12	-0.01	0.06	0.17	0.13	-0.10	-0.20	-0.22	-0.17	-0.25	0.22	0.64	0.55	0.46	-0.51	-2.00
1955	5	0.0	-0.28	-0.30	-0.31	-0.16	0.23	0.48	0.55	0.48	0.18	0.01	0.16	0.40	0.57	-0.16	-1.14	-1.66	-1.51	-1.30
1955	6	0.08	-0.33	-0.30	-0.51	-0.29	0.07	0.34	0.32	0.12	0.21	0.37	0.44	0.53	0.32	0.51	0.18	-0.21	-0.37	-0.50
1955	7	-0.17	-0.24	-0.22	-0.51	-0.35	-0.14	0.21	0.27	0.42	0.42	0.19	-0.02	-0.28	0.04	0.32	-0.13	-0.81	-1.56	-2.00
1955	8	-0.22	-0.17	-0.22	-0.18	-0.28	-0.22	0.01	0.26	0.67	0.82	0.95	0.79	0.18	-0.09	-0.20	-0.25	0.13	0.26	0.30
1955	9	-0.05	-0.22	-0.27	-0.31	-0.07	0.09	0.42	0.48	0.34	0.22	0.15	-0.19	-0.24	-0.18	0.01	0.36	0.72	0.77	0.80
1955	10	0.06	-0.12	-0.30	-0.35	-0.27	-0.21	0.03	0.45	0.71	0.44	0.28	0.36	0.55	0.96	0.74	0.74	1.05	0.76	0.80
1955	11	0.15	-0.18	-0.40	-0.35	-0.14	0.08	0.06	0.11	0.09	-0.04	0.29	0.52	0.61	-1.05	-1.80	-2.74	-3.24	-3.77	-3.70
1955	12	-0.36	-0.38	-0.42	-0.15	-0.07	0.10	0.29	0.58	0.86	0.75	0.47	-0.10	-0.69	-1.65	-1.61	-1.36	-1.66	-2.69	-2.60
1956	1	-0.40	-0.48	-0.60	-0.44	-0.21	-0.05	-0.17	-0.01	0.58	0.67	0.89	0.62	-0.08	0.45	0.74	1.10	1.50	1.17	0.60
1956	2	-0.16	-0.43	-0.17	0.30	0.25	0.26	0.41	0.17	-0.39	-1.33	-1.73	-1.45	-1.12	-0.20	1.06	2.39	3.41	4.56	5.00
1956	3	-0.56	-0.63	-0.27	0.12	0.29	0.20	0.10	0.0	-0.45	-1.06	-1.53	-1.46	-0.57	0.84	1.40	1.55	0.42	-2.24	-4.20
1956	4	-0.08	-0.47	-0.33	-0.14	-0.00	0.05	0.12	0.09	0.18	-0.01	-0.35	-0.43	-0.88	-0.90	-1.09	-0.84	0.17	0.80	0.50
1956	5	-0.13	-0.31	-0.29	-0.20	-0.06	0.09	0.46	0.61	0.15	0.02	-0.47	-0.50	-0.34	-0.22	-0.46	-1.01	-1.73	-1.31	-1.20
1956	6	-0.08	-0.35	-0.37	-0.43	-0.40	-0.07	0.27	0.33	0.03	-0.29	-0.32	-0.33	0.02	0.48	0.55	-0.30	-1.28	-1.77	-1.90
1956	7	-0.29	-0.38	-0.49	-0.60	-0.47	-0.14	0.14	0.35	0.01	-0.38	-0.65	-0.46	0.02	0.39	0.23	-0.34	-0.10	0.59	0.90
1956	8	-0.77	-0.70	-0.77	-0.39	-0.14	-0.04	-0.07	0.00	0.05	-0.01	-0.02	-0.33	-0.43	-0.54	-1.05	-0.77	-0.26	0.26	0.40
1956	9	-0.02	-0.26	-0.28	-0.27	-0.14	0.06	0.27	0.35	0.19	-0.20	-0.49	-0.82	-0.84	-0.64	-0.74	-0.69	-1.16	-1.10	0.10
1956	10	-0.22	-0.16	-0.25	-0.47	-0.20	-0.12	-0.04	0.06	-0.00	0.31	0.60	0.30	-0.60	-1.70	-2.39	-2.46	-2.50	-2.15	-1.90
1956	11	0.13	-0.04	-0.08	0.01	0.11	-0.09	-0.26	-0.40	-0.56	-0.35	-0.29	-0.19	-0.46	-1.14	-0.39	1.06	3.19	3.39	3.10
1956	12	-0.10	-0.17	-0.26	-0.07	0.07	-0.03	-0.15	0.02	-0.28	-0.40	-0.47	-0.64	-1.07	0.23	1.67	3.94	5.75	6.84	7.30
1957	1	0.0	-0.16	-0.26	-0.22	0.07	0.10	-0.11	-0.44	-0.93	-1.10	-0.98	-0.05	1.28	3.05	2.47	2.23	1.67	0.11	0.10
1957	2	0.0	-0.29	-0.41	-0.34	-0.01	0.26	0.32	0.49	0.41	0.16	0.54	0.67	0.52	-0.13	-0.33	-0.19	0.38	0.19	0.10
1957	3	0.0	-0.34	-0.22	-0.19	-0.05	0.02	0.06	0.11	0.16	0.09	0.39	0.27	-0.27	-0.29	-0.36	0.42	0.68	0.54	-0.20
1957	4	0.0	-0.20	-0.15	-0.13	-0.10	-0.16	-0.21	-0.04	0.19	0.34	0.38	0.47	0.38	0.72	0.97	0.57	0.71	0.57	0.30
1957	5	0.0	-0.07	-0.16	-0.14	-0.04	-0.07	-0.33	-0.39	-0.13	0.01	0.27	0.44	0.44	0.44	0.69	0.63	0.39	0.05	-0.20
1957	6	0.10	-0.06	-0.08	-0.05	0.0	-0.11	-0.23	-0.18	0.07	0.46	0.45	0.23	0.29	0.49	0.52	0.62	0.28	-0.31	-0.40
1957	7	0.0	-0.09	0.18	0.07	0.11	0.22	0.29	0.16	-0.06	-0.15	-0.21	0.13	0.20	0.43	0.31	0.29	0.36	0.30	0.30
1957	8	0.0	-0.08	0.08	-0.04	0.01	0.16	0.02	0.04	0.02	-0.03	-0.33	0.16	0.68	0.97	0.91	0.59	0.05	-0.26	-0.20
1957	9	0.0	0.02	0.13	0.10	0.40	0.48	0.03	-0.24	-0.05	0.27	0.63	0.85	0.85	0.16	-0.21	-0.66	-1.05	-2.26	-2.60
1957	10	0.0	-0.17	-0.15	0.02	0.08	-0.26	-0.51	-0.46	-0.11	0.18	0.45	0.64	0.44	0.02	-0.57	-0.07	1.18	3.16	4.40
1957	11	0.0	0.13	0.36	0.67	0.74	0.43	0.04	-0.12	0.14	0.71	0.93	0.76	0.53	-0.24	-1.33	-1.74	-1.46	-1.33	-1.50
1957	12	0.0	0.02	0.17	0.47	0.43	0.38	0.22	0.48	1.14	1.57	1.75	1.34	0.56	-0.54	-2.69	-3.48	-4.03	-4.21	-4.50
1958	1	0.04	0.22	0.39	0.46	0.41	0.19	0.02	0.15	0.94	1.75	2.36	1.72	1.04	1.12	0.76	1.99	3.37	2.92	2.60
1958	2	1.15	0.15	-0.02	-0.05	0.04	0.08	0.06	0.33	0.97	2.09	2.55	1.48	0.41	-0.28	-0.80	-0.96	-0.58	-1.16	-1.40
1958	3	0.42	0.47	0.60	0.50	0.53	0.51	0.38	0.16	0.21	0.59	0.65	0.49	0.46	-0.62	-1.06	0.24	1.41	2.24	3.00
1958	4	0.0	0.26	0.51	0.61	0.74	0.81	0.62	0.37	0.05	-0.17	-0.21	-0.26	-0.07	-0.47	-1.77	-1.65	-2.24	-2.80	-2.90
1958	5	0.0	-0.17	0.39	0.38	0.31	0.56	0.39	0.21	0.44	0.58	0.31	0.02	-0.17	-0.75	-0.68	-0.48	-0.07	0.14	0.10
1958	6	0.0	-0.05	0.17	0.12	0.27	0.47	0.56	0.31	0.12	-0.34	-0.39	-0.32	-0.29	-0.02	-0.29	0.01	0.02	-0.21	-0.40
1958	7	0.0	-0.17	-0.07	-0.16	-0.02	0.25	0.43	0.45	0.14	-0.10	-0.38	-0.07	-0.11	0.14	0.33	0.38	0.51	0.22	0.10
1958	8	0.0	-0.07	0.04	-0.04	0.12	0.21	0.16	0.13	-0.08	0.05	0.15	0.31	0.25	0.44	0.41	0.23	0.63	1.27	1.50
1958	9	0.0	0.22	0.27	0.24	0.31	0.32	0.37	0.38	0.03	0.02	-0.19	-0.37	-0.41	0.20	0.20	-0.58	-0.41	-0.24	-0.40
1958	10	0.0	0.42	0.30	0.19	0.17	0.03	0.06	0.10	0.07	0.18	0.39	0.54	0.26	-0.41	0.05	-0.31	-0.73	-1.79	-3.60
1958	11	0.0	-0.14	0.18	0.40	0.41	0.39	0.31	0.07	0.04	0.13	0.46	0.81	0.98	-0.23	-1.98	-2.50	-1.82	-2.38	-2.40
1958	12	0.0	0.25	0.37	0.52	0.66	0.81	0.80	0.94	0.86	0.78	0.69	0.28	-0.17	-1.13	-0.75	-0.43	0.42	0.38	0.10

TABLE 1. (continued)

1959	1	0.10	0.07	0.23	0.24	0.26	0.16	0.13	0.05	0.36	0.64	0.87	1.14	1.41	1.07	0.99	0.31	-0.54	-1.85	-2.70
1959	2	0.0	-0.07	-0.01	0.21	0.13	0.01	-0.13	-0.17	-0.17	0.07	0.24	0.67	1.48	2.08	1.94	1.48	-0.38	-2.77	-4.90
1959	3	0.10	0.05	0.24	0.26	0.42	0.53	0.48	0.45	0.44	0.50	1.14	0.90	0.57	1.02	1.15	0.59	0.25	-1.29	-2.20
1959	4	0.90	0.17	0.42	0.37	0.35	0.34	0.42	0.77	0.78	0.75	0.63	0.36	-0.19	-0.93	-1.01	-0.22	0.92	1.67	1.70
1959	5	0.0	-0.18	-0.01	0.17	0.18	0.11	0.21	0.20	0.20	0.11	0.16	0.24	-0.03	0.30	0.65	0.74	0.35	-0.02	-0.10
1959	6	-0.10	0.05	0.02	0.18	0.21	0.21	0.15	0.19	-0.07	-0.02	0.09	0.18	0.44	0.73	0.89	0.63	0.08	-0.24	-0.30
1959	7	0.10	0.14	0.10	-0.05	-0.18	-0.12	0.03	0.34	0.25	0.25	0.51	0.41	0.12	-0.34	-0.27	0.04	-0.20	-0.69	-0.70
1959	8	-0.07	0.04	-0.13	-0.31	-0.25	0.11	0.35	0.43	0.18	0.17	0.26	0.22	0.26	0.06	0.32	0.50	0.31	0.34	0.20
1959	9	0.0	-0.15	-0.41	-0.38	0.06	0.38	0.44	0.50	0.28	0.38	0.52	0.35	0.34	0.34	0.42	-0.03	-0.52	-1.44	-1.90
1959	10	0.10	-0.47	-0.10	-0.02	0.19	0.29	0.38	0.37	-0.02	-0.32	-0.41	-0.47	-0.78	-0.63	0.21	0.39	0.64	-0.45	-0.70
1959	11	0.0	-0.28	-0.07	0.18	0.29	0.20	0.10	-0.08	-0.56	-1.05	-1.44	-1.07	0.34	1.65	2.36	3.08	4.71	6.39	6.40
1959	12	0.0	0.07	0.16	0.35	0.54	0.64	0.50	0.53	0.72	-0.01	-0.11	0.14	0.54	0.39	0.32	1.18	1.01	-0.22	-0.50
1960	1	0.0	-0.34	-0.12	0.17	0.42	0.44	0.24	0.37	0.49	0.72	0.95	0.52	-0.34	0.11	0.13	1.48	3.09	3.89	4.10
1960	2	0.0	0.02	0.14	0.30	0.60	0.87	0.82	0.94	0.81	1.22	1.68	1.11	1.09	0.13	0.37	0.42	-0.87	-1.99	-1.90
1960	3	0.0	-0.24	-0.12	0.16	0.39	0.05	0.12	-0.42	-0.76	-1.07	-1.09	-1.34	-1.36	-0.71	0.26	0.61	-0.42	-2.59	-4.10
1960	4	0.0	-0.08	0.25	0.50	0.52	0.45	0.32	0.13	0.00	-0.18	-0.36	-0.27	-0.29	-0.35	-0.19	0.06	-0.55	-1.81	-2.00
1960	5	0.0	-0.07	0.01	0.25	0.29	0.21	0.29	0.31	-0.16	-0.61	-0.54	-0.12	0.52	1.39	1.44	1.77	2.11	2.48	2.70
1960	6	0.0	0.02	0.14	0.25	0.33	0.46	0.49	0.41	0.21	0.07	0.09	0.22	0.55	1.01	1.39	1.07	0.77	0.58	0.40
1960	7	0.0	-0.06	-0.03	0.08	0.16	0.35	0.44	0.24	0.01	-0.17	-0.24	-0.09	0.21	0.91	1.20	0.91	0.77	0.54	0.50
1960	8	0.20	0.06	0.22	0.26	0.09	0.14	0.26	0.27	0.09	-0.01	-0.05	-0.01	0.04	0.13	-0.01	0.07	0.39	0.34	0.40
1960	9	-0.01	-0.11	-0.06	0.01	0.18	0.39	0.45	0.53	0.54	0.21	-0.04	-0.04	0.16	0.21	0.24	0.21	0.94	1.00	0.90
1960	10	0.06	-0.01	-0.01	0.15	0.40	0.48	0.29	0.37	0.26	0.16	-0.05	-0.41	-0.46	-0.41	0.09	-0.28	-0.32	-0.13	0.20
1960	11	0.0	-0.01	0.01	0.24	0.45	0.57	0.56	0.36	0.13	-0.02	-0.32	-0.69	-0.93	-0.80	-0.54	-0.24	0.14	-0.44	-0.60
1960	12	0.0	0.13	0.32	0.45	0.41	0.33	0.08	-0.31	-0.31	0.08	0.46	1.18	2.19	3.24	2.69	2.44	1.22	-0.68	-1.70
1961	1	0.27	0.41	0.50	0.55	0.41	0.16	-0.11	-0.07	0.18	0.53	0.50	0.98	0.99	0.89	0.51	0.01	-0.61	1.13	2.50
1961	2	0.12	0.13	0.06	0.04	-0.11	-0.06	0.22	0.23	0.23	1.19	1.85	1.97	1.96	0.73	-0.68	-0.62	-1.13	-1.10	-0.90
1961	3	0.01	0.01	0.06	0.20	0.51	0.40	0.44	0.50	0.55	1.37	1.51	1.00	-0.16	-1.53	-2.79	-1.03	-0.69	-1.13	-0.40
1961	4	0.06	0.06	0.06	0.12	0.07	0.01	-0.01	0.13	0.09	0.61	1.11	1.04	-0.14	-1.21	-1.42	0.02	0.79	0.94	0.60
1961	5	0.10	0.08	0.14	0.18	0.34	0.25	0.12	0.17	0.41	0.32	0.25	0.64	0.24	-0.23	-0.74	-1.84	-3.29	-2.90	
1961	6	0.13	0.21	0.13	0.17	0.24	0.16	-0.03	0.04	0.48	0.54	0.34	0.31	0.49	0.97	0.66	0.05	-0.25	-0.45	-0.40
1961	7	-0.14	-0.18	-0.31	-0.20	-0.13	-0.16	0.05	0.28	0.33	0.15	0.14	-0.08	0.33	1.11	0.27	0.45	0.51	0.40	-0.10
1961	8	0.01	0.01	0.02	-0.11	0.09	0.27	0.11	0.07	0.11	0.32	0.44	0.37	0.31	0.22	-0.04	0.52	0.39	0.12	0.0
1961	9	0.01	0.02	0.02	0.04	0.14	0.16	0.17	0.16	0.03	0.32	0.18	-0.08	-0.04	0.11	0.21	-0.08	-0.64	-0.26	-0.12
1961	10	-0.03	-0.01	0.05	0.10	0.06	0.11	0.02	-0.03	-0.15	-0.08	-0.32	-0.62	-0.76	-0.12	0.15	0.22	0.19	-0.57	-0.80
1961	11	0.10	0.07	0.02	-0.04	-0.11	-0.21	-0.01	0.18	0.32	0.55	0.68	0.32	-0.14	0.29	1.01	0.33	-1.02	-2.14	-1.90
1961	12	0.00	-0.02	0.02	0.13	0.12	-0.03	0.06	0.24	0.23	0.70	0.49	0.64	-0.27	-0.49	-0.61	-1.79	-1.52	-1.19	-0.20
1962	1	0.07	-0.04	-0.04	-0.02	-0.07	-0.02	0.02	0.20	0.27	0.66	1.09	1.34	2.24	2.41	2.49	0.31	-0.82	-0.30	0.0
1962	2	0.01	-0.09	0.04	0.10	0.21	0.35	0.52	0.45	0.40	0.30	0.47	0.44	1.56	2.22	1.57	0.75	-0.47	-0.49	-0.40
1962	3	-0.20	-0.13	0.09	0.21	0.14	0.08	0.02	0.05	-0.02	-0.00	-0.12	0.32	-0.11	0.33	0.07	0.94	0.27	0.63	1.60
1962	4	-0.02	0.01	0.07	0.05	-0.03	-0.01	0.08	0.04	0.20	0.49	0.92	0.57	0.44	1.16	1.25	0.68	0.34	0.40	0.30
1962	5	0.07	0.03	0.37	0.05	0.12	0.19	0.09	0.38	0.54	0.46	0.11	0.52	0.27	0.04	-0.61	-1.44	-1.89	-1.49	-0.90
1962	6	0.06	0.12	0.13	0.10	0.06	0.02	-0.07	0.05	0.18	0.06	0.01	-0.08	-0.17	-0.24	-0.41	-0.22	0.62	0.99	0.90
1962	7	0.06	0.05	0.01	0.06	-0.02	0.20	0.01	-0.11	-0.18	0.05	0.11	0.16	0.70	0.71	0.27	0.48	0.28	-0.06	0.20
1962	8	-0.07	0.01	0.13	0.13	0.44	0.43	0.40	0.32	0.21	0.26	0.06	-0.07	-0.20	0.42	0.50	-0.56	-1.68	-1.06	-0.10
1962	9	-0.07	-0.12	-0.01	0.20	0.38	0.26	0.02	-0.07	-0.06	0.06	-0.09	-0.15	-0.08	-0.18	-0.05	-0.47	-0.80	-0.53	-0.80
1962	10	0.12	0.13	0.05	0.05	0.08	0.01	0.19	0.14	0.09	0.28	0.17	0.37	0.10	-0.02	-0.09	-1.14	-1.86	-1.07	-0.80
1962	11	-0.14	-0.14	0.08	0.25	0.35	0.28	-0.04	-0.34	-0.06	-0.02	0.23	0.21	0.34	0.20	0.69	1.27	1.20	2.36	2.10
1962	12	-0.04	0.04	0.15	0.13	0.04	-0.01	-0.06	0.07	0.09	0.17	0.80	0.06	0.29	0.24	-0.09	-0.43	-0.12	-0.46	-0.60
1963	1	0.01	-0.07	0.04	-0.07	-0.20	-0.33	-0.27	-0.20	-0.31	0.33	0.30	0.52	1.36	2.53	1.88	-1.12	-2.89	-1.92	-1.00
1963	2	-0.04	-0.04	0.36	0.67	0.75	0.51	0.46	0.72	1.18	1.81	1.56	1.50	1.76	2.40	1.12	-0.42	-0.38	-2.81	-2.40
1963	3	0.02	0.06	0.08	0.05	0.09	0.08	0.09	0.21	0.48	0.94	1.08	-0.04	-1.71	-1.45	-1.89	-3.27	-4.45	-5.06	-3.90
1963	4	0.02	0.03	-0.02	0.02	0.05	0.09	-0.05	-0.06	-0.10	-0.17	-0.04	-0.26	-0.18	0.21	0.47	-0.12	-0.58	-0.61	-0.90
1963	5	0.00	0.03	0.11	0.13	0.15	-0.02	-0.22	-0.21	0.03	0.40	0.42	0.33	0.03	-0.09	0.22	-0.14	-0.61	-0.78	-0.90

TABLE 1. (continued)

1963	6	0.14	0.09	0.04	0.21	0.28	0.20	0.02	-0.14	0.00	0.21	-0.04	-0.19	-0.13	-0.51	-0.46	-0.16	0.21	0.44	0.40
1963	7	0.20	0.20	0.21	0.25	0.35	0.45	0.32	0.18	0.17	0.26	0.17	0.39	0.27	0.04	-0.27	-0.09	0.04	0.05	0.40
1963	8	0.04	0.06	0.02	0.13	0.19	0.15	0.09	0.05	-0.11	-0.04	0.15	0.32	0.13	0.32	-0.10	-0.19	0.12	0.36	0.50
1963	9	0.10	0.11	0.16	0.29	0.42	0.56	0.30	0.05	0.01	0.36	0.22	0.13	-0.01	-0.21	-0.49	-0.87	-1.31	-1.92	-2.20
1963	10	0.07	0.10	0.14	0.24	0.45	0.79	0.35	0.26	0.79	0.94	1.20	1.42	0.76	0.54	-0.23	-1.21	-2.50	-2.91	-2.80
1963	11	0.02	0.06	0.09	0.15	0.10	-0.20	-0.13	-0.34	-0.67	1.28	1.21	1.21	0.42	0.07	0.34	-0.52	-2.17	-1.65	-1.40
1963	12	0.05	0.06	0.09	0.15	0.10	-0.20	-0.13	-0.34	-0.67	1.28	1.21	1.21	0.42	0.07	0.34	-0.52	-2.17	-1.65	-1.40
1964	1	0.11	0.17	0.22	0.33	0.10	-0.33	-0.36	-0.62	-0.57	0.38	1.61	1.83	1.64	0.08	-1.30	-2.80	-3.82	-3.48	-3.00
1964	2	0.04	0.14	0.27	0.39	0.30	-0.07	-0.47	-0.57	-0.54	-0.33	-0.07	-0.07	-0.28	0.25	0.95	1.05	-2.44	-1.49	-1.90
1964	3	0.17	0.21	0.34	0.60	0.71	0.54	0.12	-0.06	0.00	-0.27	-0.07	-0.07	-0.28	0.25	0.95	1.05	-2.44	-1.49	-1.90
1964	4	0.10	0.11	0.17	0.34	0.57	0.58	0.35	0.13	0.02	-0.09	-0.44	-0.94	-1.54	-1.84	-2.75	-2.85	-2.24	-3.19	-3.40
1964	5	-0.01	-0.03	-0.02	-0.14	0.23	0.08	0.00	-0.05	0.10	0.06	-0.10	0.15	0.22	0.32	0.32	0.27	-0.24	0.02	0.38
1964	6	-0.01	-0.02	-0.03	-0.07	0.02	-0.01	0.03	0.10	0.10	0.06	-0.10	0.15	0.22	0.32	0.32	0.27	-0.24	0.02	0.38
1964	7	-0.06	-0.09	-0.25	0.05	0.35	0.51	0.32	0.04	-0.23	-0.22	-0.26	-0.16	0.31	0.48	-0.39	-0.46	-0.13	0.36	1.30
1964	8	-0.17	-0.15	-0.29	0.18	0.15	0.28	0.18	-0.03	-0.41	-0.43	-0.43	-0.49	-0.38	-0.26	-0.12	-0.58	-1.27	-1.39	-1.50
1964	9	-0.10	-0.13	-0.21	-0.18	0.04	0.05	-0.02	0.02	-0.25	-0.41	-0.43	-0.49	-0.38	-0.26	-0.12	-0.58	-1.27	-1.39	-1.50
1964	10	-0.10	-0.10	-0.11	-0.01	0.04	0.05	-0.02	0.07	0.02	0.24	0.84	0.63	-0.21	-0.90	-1.20	-1.49	-1.64	-0.81	-0.70
1964	11	-0.23	-0.27	-0.32	-0.13	-0.02	-0.09	-0.20	-0.34	-0.42	-0.41	-0.39	-0.43	-0.47	-0.10	-0.17	-1.04	-1.46	-0.46	0.20
1964	12	-0.10	-0.10	-0.11	-0.01	0.04	0.05	-0.02	0.07	0.02	0.24	0.84	0.63	-0.21	-0.90	-1.20	-1.49	-1.64	-0.81	-0.70
1965	1	-0.09	-0.09	0.00	-0.02	0.17	-0.25	-0.33	-0.25	-0.25	-0.15	0.31	0.09	-0.53	-0.34	0.52	0.27	0.27	0.06	0.10
1965	2	-0.13	-0.18	-0.06	0.24	0.29	0.26	0.01	0.22	-0.31	-0.24	-0.11	-0.25	-1.99	-2.26	-1.36	-0.20	-0.13	0.26	0.40
1965	3	-0.11	-0.19	-0.17	-0.04	0.19	0.06	-0.17	-0.45	-0.38	-0.16	0.21	0.47	1.09	1.69	0.72	-0.68	-0.83	-0.49	-0.20
1965	4	-0.05	-0.07	-0.09	-0.25	0.14	-0.23	-0.42	-0.45	-0.45	-0.45	-0.45	-0.45	-0.45	-0.45	-0.45	-0.45	-0.45	-0.45	-0.20
1965	5	-0.07	-0.09	-0.13	0.03	0.03	-0.01	-0.15	0.02	0.32	0.30	0.17	0.07	0.01	0.41	0.08	-0.07	-0.15	-0.02	0.10
1965	6	-0.09	-0.06	-0.04	0.02	-0.04	-0.06	-0.25	-0.06	0.24	0.10	0.25	0.10	-0.13	-0.47	-1.19	-0.74	-0.34	-0.25	-0.10
1965	7	-0.51	-0.51	-0.27	0.07	-0.01	0.20	0.28	-0.20	-0.24	0.12	-0.17	-0.13	-0.34	0.19	0.34	0.65	1.19	2.04	2.40
1965	8	-0.10	-0.01	-0.03	0.06	0.19	0.10	0.04	-0.08	-0.33	-0.44	-0.53	-0.41	-0.13	-0.47	-0.14	-0.63	-0.84	-0.87	-1.50
1965	9	-0.09	-0.05	-0.11	0.0	0.03	-0.08	-0.32	-0.09	-0.36	-0.16	-0.36	-0.46	-0.28	-0.14	0.13	0.34	0.61	0.45	0.50
1965	10	-0.05	-0.02	0.02	0.01	0.06	0.05	-0.09	-0.16	0.01	0.08	0.19	0.14	-0.05	-0.47	-1.16	-1.96	-2.15	-1.35	-1.10
1965	11	-0.04	-0.05	0.05	0.00	0.08	0.19	0.51	0.57	0.50	0.40	-0.90	-1.73	-2.13	-1.25	0.58	3.11	4.44	4.26	4.30
1965	12	-0.07	-0.07	-0.03	0.03	-0.02	-0.13	-0.28	0.07	0.89	0.82	0.62	0.06	-0.06	-0.86	-1.15	-1.67	-0.97	-1.32	-1.27
1966	1	0.07	0.16	0.15	0.38	0.36	0.75	-0.05	0.15	0.80	0.62	0.63	0.09	-1.66	-1.95	-2.64	-2.84	-2.36	-2.48	-2.00
1966	2	0.26	0.29	0.34	0.38	0.56	0.75	0.56	0.88	0.86	1.73	1.64	0.14	-2.58	-1.64	-2.57	-2.74	-2.54	0.11	0.10
1966	3	0.10	0.14	-0.32	0.40	0.32	0.29	0.15	0.23	0.64	1.19	1.38	0.98	0.85	0.85	-0.82	-2.18	-3.16	-3.17	-2.90
1966	4	0.12	0.14	0.19	0.29	0.26	0.18	0.13	0.30	0.29	0.30	0.25	0.19	0.56	0.48	-0.36	-0.36	-0.28	-0.16	0.10
1966	5	0.11	0.13	0.18	0.14	0.20	-0.18	0.13	0.30	0.30	0.30	0.25	0.19	0.56	0.48	-0.36	-0.36	-0.28	-0.16	0.10
1966	6	0.06	-0.04	-0.10	0.11	0.31	0.29	0.13	0.12	-0.09	-0.14	0.02	-0.02	0.06	0.17	0.03	-0.39	-3.39	-3.17	-2.90
1966	7	0.08	0.12	0.26	0.14	0.31	0.13	0.26	0.30	0.22	0.17	0.29	0.29	-0.04	0.31	0.17	0.21	0.45	0.73	0.40
1966	8	0.12	0.15	0.19	0.26	0.31	0.33	0.26	0.30	0.22	0.17	0.29	0.29	-0.04	0.31	0.17	0.21	0.45	0.73	0.40
1966	9	0.01	0.04	0.01	0.10	0.22	0.14	-0.00	-0.11	-0.09	0.33	0.40	0.47	0.37	0.49	0.09	-0.76	-0.94	-0.44	-1.00
1966	10	0.06	0.09	0.09	0.27	0.39	0.39	0.09	0.06	0.14	0.47	0.40	0.47	0.37	0.49	0.09	-0.76	-0.94	-0.44	-1.00
1966	11	-0.17	-0.11	0.16	0.18	0.07	-0.03	-0.37	-0.24	-0.04	-0.11	-0.55	-1.04	-1.05	-0.49	0.38	-0.04	-1.05	-0.71	-1.90
1966	12	-0.07	0.02	0.16	0.18	0.25	-0.68	-0.85	-0.48	0.39	0.42	-0.54	-1.33	-1.56	0.09	-0.20	-1.87	-2.00	-2.73	-2.00
1967	1	0.10	0.09	0.07	-0.04	-0.11	0.13	-0.02	0.12	0.24	0.48	0.41	0.44	0.40	0.28	0.64	0.91	1.00	0.69	1.10
1967	2	0.08	0.04	0.04	0.07	0.07	-0.05	-0.23	-0.34	-0.15	-0.40	-0.41	-0.29	-0.44	-0.32	-0.95	-1.88	-2.81	-2.92	-4.30
1967	3	0.10	0.11	0.05	0.17	0.15	-0.14	-0.26	-0.24	-0.16	-0.22	0.41	0.05	0.41	1.77	1.58	0.85	0.85	1.42	0.56
1967	4	0.05	0.10	0.14	0.01	-0.04	-0.19	-0.32	-0.31	-0.24	0.02	0.51	0.44	0.40	0.28	0.64	0.91	1.00	0.69	1.10
1967	5	-0.05	0.00	0.12	0.24	0.45	0.45	-0.08	-0.31	-0.24	0.02	0.51	0.44	0.40	0.28	0.64	0.91	1.00	0.69	1.10
1967	6	-0.07	-0.11	0.02	0.07	-0.07	-0.19	-0.19	-0.19	-0.39	-0.11	0.21	0.55	0.73	0.79	0.38	0.86	0.85	1.42	0.56
1967	7	-0.20	-0.21	0.01	0.02	0.19	0.12	-0.10	-0.12	-0.36	-0.19	0.22	0.59	0.87	0.45	-0.06	0.53	1.26	2.27	2.90
1967	8	-0.06	-0.07	0.01	0.10	0.24	0.26	0.43	0.31	0.31	0.24	0.14	0.34	0.15	0.38	0.10	0.13	0.21	0.39	1.45
1967	9	-0.02	0.07	0.10	0.18	0.10	0.21	0.43	0.17	-0.02	0.14	0.04	0.15	0.15	0.38	0.10	0.13	0.21	0.39	1.45
1967	10	-0.02	0.01	-0.00	0.0	-0.04	-0.04	0.05	0.05	0.33	0.60	0.98	1.14	1.33	1.63	1.28	0.63	0.48	0.24	0.20
1967	11	-0.23	-0.20	-0.08	-0.02	-0.02	0.0	-0.09	-0.17	0.04	-0.01	0.16	0.31	0.99	1.04	0.80	0.80	0.48	0.08	0.84
1967	12	-0.04	-0.01	0.04	0.11	0.26	0.0	-0.05	-0.34	-0.19	0.30	0.39	0.27	1.04	1.58	1.87	1.37	1.26	2.13	0.06
1968	1	-0.09	-0.06	0.04	0.02	-0.21	-0.60	-0.66	-0.34	-0.19	0.23	0.59	0.67	1.16	1.44	1.02	0.23	-0.26	-0.41	0.06
1968	2	-0.19	0.17	0.09	-0.03	-0.05	-0.37	-0.38	-0.11	0.23	0.59	0.67	1.16	1.44	1.02	0.23	-0.26	-0.41	0.06	0.0
1968	3	-0.02	-0.05	-0.09	0.12	0.04	-0.04	-0.20	0.08	0.91	1.66	2.25	2.08	2.39	2.51	1.61	-0.42	-1.43	-1.73	-1.40

TABLE 1. (continued)

1968	4	-0.16	-0.16	-0.20	-0.21	-0.09	0.06	0.17	0.25	0.41	0.54	0.82	0.95	0.0	0.04	-0.41	-0.36	-0.22	-0.34	-0.90
1968	5	-0.07	0.0	0.04	0.03	0.06	0.23	0.13	0.07	0.09	0.45	0.71	0.71	0.01	-0.26	-0.08	-0.29	-0.06	0.22	0.30
1968	6	-0.02	-0.05	-0.07	0.0	0.19	0.22	0.05	-0.14	-0.11	0.19	0.03	0.02	-0.12	0.19	-0.28	-0.15	0.14	0.20	0.0
1968	7	-0.09	-0.04	-0.07	-0.03	0.12	0.14	0.11	0.07	-0.07	-0.40	-0.48	-0.24	-0.13	-0.39	-0.44	0.52	0.66	0.36	0.40
1968	8	0.06	0.12	0.12	0.41	0.34	0.13	0.14	-0.08	-0.55	-0.45	-0.22	-0.11	0.08	0.24	0.22	0.66	0.66	0.85	0.50
1968	9	-0.06	0.17	0.22	0.32	0.32	0.23	0.04	-0.19	-0.20	-0.14	-0.13	-0.15	-0.40	-0.33	-0.14	0.01	-0.05	-0.28	-1.00
1968	10	0.10	0.22	0.24	0.26	0.26	0.16	0.03	-0.24	-0.20	-0.06	0.06	0.09	-0.17	-0.23	-0.34	-1.28	-2.69	-2.70	-2.80
1968	11	-0.02	-0.07	0.04	0.13	0.01	0.01	-0.13	-0.01	0.26	0.22	0.21	-0.11	-1.23	-1.24	-1.53	-3.31	-5.57	-4.64	-3.80
1968	12	-0.04	0.05	0.26	0.31	0.33	0.31	0.14	0.17	-0.03	-0.47	-0.74	-1.47	-1.76	-1.31	-1.57	-2.67	-3.08	-2.59	-1.90
1969	1	-0.22	-0.19	0.11	0.24	0.26	0.41	0.47	0.06	-0.81	-1.52	-1.47	-1.22	-0.58	-1.37	0.79	0.74	0.07	-1.50	-2.00
1969	2	0.09	0.22	0.43	0.55	0.53	0.40	0.16	-0.44	-0.97	-1.33	-1.73	-1.65	-1.56	-1.52	-0.93	-0.73	-0.12	0.51	0.10
1969	3	0.11	0.21	0.54	0.77	0.87	0.66	0.07	-0.25	-0.47	-0.49	-0.89	-0.82	-0.72	-1.30	-2.03	-2.55	-4.18	-5.75	-5.40
1969	4	0.26	0.42	0.48	0.39	0.24	-0.04	-0.19	-0.27	-0.13	-0.14	-0.13	-0.34	-0.82	-0.63	-1.02	-1.87	-2.58	-2.38	-1.90
1969	5	0.01	0.19	0.32	0.27	0.32	0.12	-0.11	0.18	0.14	0.06	-0.32	-0.63	-0.51	-0.35	-0.39	-0.06	-0.21	-0.92	-1.80
1969	6	0.04	0.16	0.39	0.39	0.41	0.29	0.11	-0.03	-0.34	-0.41	-0.10	-0.15	-0.53	-0.24	-0.05	0.21	0.85	1.15	0.70
1969	7	0.02	-0.08	-0.13	0.14	0.19	0.06	0.13	-0.02	-0.31	-0.29	-0.19	0.29	0.40	0.57	0.03	0.31	0.27	0.92	1.50
1969	8	-0.01	0.16	0.19	0.28	0.24	0.26	0.22	-0.06	-0.32	-0.32	-0.13	-0.04	0.16	0.26	0.04	0.11	0.30	0.33	0.0
1969	9	0.11	0.11	0.19	0.26	0.45	0.46	-0.11	-0.09	-0.02	-0.05	-0.20	-0.40	-0.40	-0.34	-0.20	0.15	0.84	1.13	1.00
1969	10	-0.01	0.04	0.16	0.21	0.26	0.28	0.14	-0.20	-0.63	-0.44	-0.34	-0.35	-0.33	0.23	0.35	-0.25	-0.31	0.31	-0.80
1969	11	0.11	0.08	0.10	0.11	0.13	0.04	-0.25	-0.56	-0.34	0.41	0.82	0.64	-0.00	0.16	-0.86	-0.57	-0.77	-0.58	-0.90
1969	12	0.11	0.19	0.33	0.40	0.31	0.15	-0.34	-0.38	-0.05	0.16	-0.04	-0.05	0.59	2.19	2.61	2.13	2.47	2.24	1.90
1970	1	0.02	0.21	0.39	0.57	0.48	0.21	0.15	0.33	0.27	0.05	-0.30	-0.31	-0.19	1.09	2.62	2.71	2.99	1.63	1.20
1970	2	0.02	0.21	0.34	0.38	0.35	0.46	0.69	0.97	1.53	2.05	1.15	0.41	-0.05	0.24	-0.03	-0.22	0.14	0.67	0.30
1970	3	0.13	0.25	0.52	0.51	0.43	0.25	-0.04	-0.39	-0.44	-0.36	-0.35	0.13	0.65	1.71	1.19	1.74	0.84	0.13	-0.10
1970	4	-0.03	0.17	0.53	0.54	0.53	0.76	0.49	0.38	0.32	0.53	0.77	0.44	0.31	-0.27	-1.46	-1.78	-2.25	-2.43	-2.60
1970	5	-0.01	0.14	0.17	0.20	0.38	0.47	0.32	0.39	0.33	0.19	-0.15	-0.01	-0.11	0.41	-0.22	-0.36	-0.06	0.59	0.90
1970	6	-0.55	-0.27	0.11	0.04	0.22	0.64	0.50	0.26	0.21	0.45	0.59	0.52	0.47	0.70	0.56	0.40	0.10	1.00	1.10
1970	7	-0.09	-0.16	-0.16	-0.04	0.14	0.22	-0.02	0.09	0.03	0.37	0.21	0.06	0.32	0.74	0.38	0.82	0.64	0.37	0.10
1970	8	0.02	-0.01	-0.06	0.07	0.36	0.50	0.60	0.54	0.43	0.55	0.38	0.29	-0.02	-0.06	-0.07	0.38	0.52	0.62	1.00
1970	9	-0.07	-0.12	-0.19	-0.13	0.13	0.12	0.13	0.27	0.17	-0.10	0.07	0.09	0.51	0.81	0.60	-0.04	-0.35	0.15	0.40
1970	10	-0.10	-0.10	-0.15	-0.14	-0.05	0.00	-0.13	-0.13	-0.16	-0.07	0.05	-0.22	-0.53	-0.43	-0.55	-0.86	-1.88	-1.31	-1.20
1970	11	-0.13	-0.17	-0.22	-0.19	0.04	0.16	0.34	0.22	0.30	0.57	0.37	-0.03	-0.06	0.41	1.24	0.56	0.23	0.39	0.90
1970	12	-0.07	0.04	0.12	0.00	0.12	0.15	0.18	0.25	-0.05	-0.59	-0.82	-0.79	-0.25	0.68	1.21	1.06	-0.01	-0.11	0.0
1971	1	-0.12	-0.16	-0.42	-0.38	-0.12	-0.03	-0.16	-0.01	0.08	0.31	0.95	1.39	1.49	1.12	-0.53	-2.36	-3.02	-2.91	-2.80
1971	2	-0.05	-0.09	-0.07	-0.01	0.10	0.08	0.23	0.38	0.46	0.41	0.44	-0.34	-0.95	-1.61	-0.96	0.63	2.39	5.41	6.60
1971	3	0.0	0.04	0.14	0.22	0.27	0.36	0.21	0.22	-0.02	-0.55	-0.71	-0.97	-0.88	-0.92	0.11	0.79	1.07	2.10	2.50
1971	4	-0.09	-0.16	-0.26	-0.23	-0.13	-0.15	-0.11	0.01	-0.07	0.10	0.21	0.09	-0.24	-0.75	-1.34	-1.06	-0.07	0.51	0.40
1971	5	-0.12	-0.18	-0.17	-0.16	-0.18	-0.05	-0.01	0.03	-0.02	0.06	0.13	0.11	0.13	0.37	0.66	0.47	0.67	0.51	0.60
1971	6	0.01	-0.03	-0.05	-0.16	-0.06	0.04	0.07	0.30	0.27	0.07	-0.10	0.07	0.20	0.39	0.66	0.72	1.17	1.09	1.40
1971	7	-0.01	-0.04	-0.12	-0.09	0.03	0.13	0.21	0.23	-0.02	-0.22	-0.48	-0.47	-0.27	0.42	0.50	0.40	0.88	1.00	0.90
1971	8	-0.23	-0.50	-0.54	-0.22	-0.19	-0.22	-0.13	-0.03	0.06	-0.08	0.01	-0.01	0.09	0.37	0.32	0.17	-0.21	-1.23	-1.50
1971	9	-0.09	-0.19	-0.14	-0.11	-0.14	-0.18	-0.06	0.11	0.02	0.00	0.17	0.11	0.18	0.32	0.65	1.23	1.42	1.99	2.30
1971	10	-0.22	-0.43	-0.34	-0.29	-0.46	-0.35	-0.19	0.14	0.39	0.41	0.64	0.65	0.62	0.52	-0.14	-0.29	-0.55	-1.71	-2.80
1971	11	-0.12	-0.17	-0.27	-0.34	-0.40	-0.11	0.11	0.17	0.54	0.97	1.24	1.47	1.29	0.61	-0.54	-1.24	-1.67	-2.13	-1.40
1971	12	-0.29	-0.35	-0.33	-0.35	-0.30	0.04	0.14	0.20	0.48	0.91	0.88	0.35	0.07	-0.37	-0.67	0.07	0.40	0.31	0.0
1972	1	0.09	0.06	-0.23	-0.32	-0.22	0.0	-0.13	-0.07	-0.29	-1.05	-2.12	-2.75	-2.77	-1.85	-0.64	1.21	3.91	4.76	4.20
1972	2	-0.29	-0.35	-0.26	-0.22	-0.27	-0.41	-0.62	-0.95	-1.29	-1.05	-0.87	-0.74	-0.54	-0.36	-0.04	-0.02	-1.15	-4.18	-5.20
1972	3	0.01	0.04	-0.00	0.07	0.16	0.14	0.22	0.30	0.26	0.16	0.44	-0.30	-1.14	-0.88	0.02	1.62	4.12	5.63	5.90
1972	4	0.03	0.04	0.05	0.12	0.02	-0.25	-0.24	-0.14	-0.07	-0.18	0.39	0.22	-0.16	-0.13	-0.21	-0.76	-0.66	0.50	1.90
1972	5	-0.14	-0.13	-0.09	-0.01	0.04	-0.21	-0.13	-0.06	-0.04	0.26	0.14	-0.30	-0.53	-0.67	-0.47	-0.58	-0.54	-0.66	-1.30
1972	6	0.13	0.14	0.08	0.10	0.17	0.19	0.27	0.19	0.37	0.42	-0.03	-0.36	-0.49	0.07	-0.11	-0.32	-0.26	0.53	1.10
1972	7	0.25	0.27	0.29	0.26	0.14	-0.02	0.02	-0.02	0.08	-0.12	-0.51	-0.59	-0.50	0.21	0.09	-0.15	-0.35	0.14	-0.50
1972	8	0.16	0.15	0.17	0.29	0.16	-0.03	-0.15	-0.22	-0.31	-0.09	-0.13	-0.18	-0.14	0.24	-0.15	-0.46	-0.15	0.16	1.00
1972	9	-0.05	0.02	0.11	0.38	0.29	0.32	0.27	0.10	-0.24	-0.66	-0.82	-0.96	-1.30	-1.10	-0.67	-0.03	0.44	1.59	2.60
1972	10	-0.09	-0.10	0.01	0.23	0.29	0.10	-0.18	-0.28	-0.38	-0.45	-0.56	-0.59	-0.47	-0.02	0.36	-0.03	0.04	1.27	1.10
1972	11	0.04	0.09	-0.04	0.01	-0.03	-0.03	-0.11	-0.11	-0.02	0.06	0.04	-0.57	-1.54	-1.87	-2.19	-0.91	0.61	2.15	2.60
1972	12	0.23	0.18	0.22	0.15	-0.14	-0.37	-0.14	-0.36	-0.51	-0.54	-0.52	-0.05	0.17	0.83	0.91	0.77	1.57	1.92	2.20

TABLE 1. (concluded)

1978	1	0.04	0.10	0.22	0.38	0.29	0.10	0.12	-0.15	-0.05	0.25	0.28	0.72	1.96	1.77	0.58	-0.63	-0.79	-0.24	0.0
1978	2	0.01	0.16	0.29	0.43	0.29	0.35	0.17	0.05	-0.13	-0.15	0.17	0.79	1.50	1.38	0.32	-1.19	-0.72	0.24	1.30
1978	3	0.19	0.35	0.37	0.39	0.32	0.12	0.03	-0.01	0.18	0.75	0.89	0.92	1.02	0.94	0.40	-0.25	-0.35	-0.36	-0.60
1978	4	0.14	0.17	0.19	0.43	0.55	0.41	0.42	0.63	0.26	0.16	0.39	0.46	0.58	-0.04	-0.78	-0.93	-0.72	-0.43	-0.80
1978	5	0.05	0.07	0.03	0.32	0.47	0.60	0.37	0.10	-0.09	-0.23	-0.06	-0.07	-0.04	-0.62	-0.79	-0.67	0.07	0.53	0.80
1978	6	0.01	-0.01	-0.02	0.06	0.22	0.38	0.33	0.14	-0.13	0.04	-0.58	-0.13	-0.50	-1.42	-1.07	-0.64	-0.14	0.37	0.20
1978	7	-0.05	0.06	0.09	0.13	0.14	0.12	0.07	0.38	0.38	0.36	-0.29	-0.32	-0.83	-0.36	-0.33	-0.04	0.35	0.16	0.30
1978	8	0.02	0.12	0.05	0.07	0.08	0.10	0.09	0.16	-0.12	-0.21	-0.42	-0.42	-0.44	-0.49	-0.39	-0.57	-0.16	-0.22	-0.40
1978	9	0.02	0.02	0.02	-0.04	0.07	0.19	0.36	0.45	0.60	0.66	0.34	-0.13	-0.12	0.10	0.01	-0.32	0.18	0.27	0.60
1978	10	0.0	0.02	0.03	0.10	0.14	0.11	0.11	0.21	0.14	0.07	0.14	0.15	0.06	-0.44	-1.10	-1.09	-1.00	-1.07	-0.40
1978	11	-0.05	-0.03	-0.05	0.02	0.19	0.27	0.14	0.11	-0.14	0.23	0.59	1.22	1.07	0.76	1.10	0.34	-0.08	0.31	1.00
1978	12	0.21	0.31	0.38	0.47	0.59	0.94	0.76	0.63	0.53	0.19	-0.21	-0.45	-0.19	1.17	-0.63	-0.57	0.76	1.24	1.20
1979	1	0.10	0.01	-0.01	0.68	1.14	0.82	0.21	0.26	0.23	-0.20	-0.56	-0.90	-0.80	1.17	1.09	0.36	-0.24	0.15	1.00
1979	2	-0.28	-0.16	0.07	0.53	0.88	0.77	0.92	0.88	0.64	0.97	0.47	-0.21	-1.40	-3.32	-2.15	-3.48	-5.25	-3.83	-2.10
1979	3	0.12	0.34	0.34	0.47	0.75	0.61	0.63	0.61	0.77	1.04	1.07	0.76	0.28	-0.66	-1.62	-0.46	-0.60	0.27	0.30
1979	4	0.16	0.35	0.40	0.73	0.77	0.81	0.49	0.10	0.20	-0.17	-0.41	-0.48	-0.57	-0.51	-0.88	-1.84	-2.46	-2.24	-1.50
1979	5	0.27	0.20	0.11	0.07	0.20	0.15	0.20	0.27	0.29	0.71	1.05	0.99	0.70	0.38	0.04	-1.02	-1.34	-0.69	-0.30
1979	6	-0.01	0.05	0.02	0.15	0.49	0.47	0.44	0.39	0.47	0.62	0.72	0.72	0.33	0.13	-0.25	-0.87	-0.95	-0.66	-0.50
1979	7	0.41	0.39	0.32	0.34	0.56	0.64	0.56	0.36	0.21	0.26	0.13	0.31	0.31	-0.01	0.02	0.63	0.61	0.85	0.60
1979	8	0.13	0.29	0.31	0.64	0.81	0.71	0.63	0.44	0.19	0.21	0.17	0.20	-0.06	-0.10	-0.25	-0.29	0.10	0.70	0.40
1979	9	-0.09	-0.09	-0.14	0.09	0.34	0.56	0.38	0.29	0.48	0.56	0.48	0.36	0.23	-0.03	0.06	-0.04	0.22	0.63	1.10
1979	10	0.72	0.68	0.32	0.22	0.17	0.02	-0.06	0.38	0.62	0.62	0.28	-0.01	-0.40	-0.63	-1.11	-1.25	0.47	0.64	0.80
1979	11	-0.20	0.13	0.17	0.45	0.57	0.71	0.29	0.09	0.20	0.35	0.35	0.71	0.88	0.88	0.61	0.02	-0.24	-0.48	0.10
1979	12	-0.02	0.18	0.30	0.52	0.78	0.79	0.61	0.80	1.26	2.01	2.31	2.06	1.58	1.22	1.04	0.20	-0.60	-0.81	-0.50
1980	1	-0.10	0.18	0.36	0.50	0.68	0.29	0.09	-0.03	0.17	-0.21	-0.01	0.09	0.66	1.19	1.01	1.80	0.84	0.02	0.20
1980	2	0.11	0.20	0.35	0.55	0.46	0.32	0.05	-0.17	-0.03	0.07	0.21	0.77	1.70	2.55	3.13	2.48	1.31	0.01	-0.70
1980	3	0.13	0.18	0.15	0.51	0.54	-0.01	-0.19	-0.32	-0.27	-0.39	-0.73	-0.78	-0.18	0.72	0.99	1.79	1.77	1.57	1.90
1980	4	0.22	0.20	0.29	0.60	0.49	0.49	0.41	0.19	-0.09	-0.09	0.03	0.36	0.49	0.25	0.21	-0.29	-1.29	-0.85	-0.30
1980	5	-0.04	-0.03	0.06	0.43	0.66	0.25	0.22	0.11	0.19	0.05	0.49	0.30	0.44	0.87	0.42	0.39	0.53	0.89	1.20
1980	6	0.11	0.17	0.12	0.23	0.43	0.68	0.75	0.55	0.39	0.37	0.28	0.05	0.41	0.59	0.11	-0.08	0.08	0.29	0.50
1980	7	0.12	0.17	0.09	0.26	0.56	0.58	0.48	0.27	0.06	0.21	-0.13	0.05	0.17	0.09	-0.25	-0.06	0.19	0.32	0.10
1980	8	0.37	0.36	0.30	0.25	0.31	0.16	0.17	0.29	0.07	-0.28	-0.07	0.06	0.36	0.80	0.75	0.06	-0.11	-0.15	0.20
1980	9	0.04	-0.01	-0.07	0.15	0.17	0.31	0.46	0.21	0.14	-0.11	-0.03	0.06	-0.03	0.17	0.06	-0.33	-0.76	-0.82	-0.50
1980	10	-0.47	-0.33	-0.24	0.10	0.39	0.40	0.27	0.04	-0.06	-0.21	-0.34	-0.19	0.30	0.89	1.14	1.27	0.97	0.79	0.80
1980	11	-0.06	-0.09	-0.01	0.28	0.41	0.41	0.27	0.14	0.60	0.77	0.78	0.75	0.52	-0.72	-1.47	-1.94	-3.06	-2.56	-2.10
1980	12	-0.13	-0.08	0.07	0.32	0.44	0.31	0.30	0.22	0.41	0.43	0.64	0.67	0.06	0.13	0.13	-0.33	0.12	1.20	1.30
1981	1	-0.11	-0.09	-0.09	0.0	0.06	-0.01	-0.07	-0.17	0.59	1.26	1.94	2.50	2.97	3.77	2.49	2.98	1.91	0.82	1.40
1981	2	-0.03	0.02	0.12	0.31	0.37	0.24	0.31	0.46	0.92	1.72	2.07	2.19	2.07	1.84	1.78	1.62	1.33	0.91	1.00
1981	3	0.25	0.17	0.22	0.52	0.71	0.52	0.14	0.27	0.93	1.66	1.60	1.39	0.71	0.60	0.42	0.22	0.38	2.17	3.40
1981	4	0.20	0.19	0.20	0.17	0.28	0.45	0.61	0.78	0.85	0.80	0.86	0.54	0.49	0.92	0.79	0.23	-0.66	-0.96	-1.10
1981	5	0.24	0.20	0.11	0.14	0.29	0.31	0.25	0.13	-0.31	0.07	0.67	0.90	1.14	1.20	0.79	0.31	0.69	1.12	1.20
1981	6	0.13	0.04	0.04	0.12	0.53	0.79	0.86	0.77	0.34	0.33	0.41	0.63	0.65	0.88	0.55	0.87	1.21	1.32	1.00
1981	7	0.31	0.14	-0.02	0.08	0.10	0.30	0.28	0.32	0.16	0.57	0.58	0.77	0.32	0.31	-0.15	-0.17	-0.26	-0.27	0.10
1981	8	0.03	0.04	0.11	0.12	0.26	0.29	0.36	0.29	0.02	0.33	0.59	0.91	0.94	0.84	0.40	-0.17	-0.12	0.29	0.50
1981	9	0.34	0.19	-0.02	0.03	0.19	0.16	0.17	-0.07	0.08	0.16	0.48	0.44	0.21	0.02	-0.11	0.21	1.22	2.21	2.60
1981	10	0.00	0.0	0.02	0.08	0.32	0.47	0.36	-0.04	-0.24	0.11	0.04	0.32	0.59	0.77	0.73	1.06	1.74	2.17	2.30
1981	11	0.02	0.04	-0.07	0.17	0.26	0.35	0.18	0.07	0.27	0.71	0.71	0.77	0.72	1.76	2.41	2.86	3.41	3.74	3.90
1981	12	-0.13	-0.26	-0.32	0.08	0.37	0.69	0.37	0.24	0.68	1.01	1.24	1.37	1.69	2.04	1.94	0.95	1.58	2.20	2.20

TABLE 2. Monthly and annual average surface air temperature anomalies (1891-1981). The averages are based on calculations using the anomalies that have been corrected relative to the 1881-1975 normal period (File 14). The averages are expressed in degrees Celsius.

YEAR	1	2	3	4	5	6	7	8	9	10	11	12	ANNUAL
1891	-0.37	-0.80	-0.03	-0.41	-0.11	0.04	-0.19	0.01	-0.03	-0.29	-0.72	0.05	-0.24
1892	-0.54	-0.17	-0.74	-0.27	-0.22	0.30	-0.09	-0.15	-0.17	0.15	-0.53	-0.56	-0.25
1893	-1.15	-1.19	-0.09	-0.34	-0.08	0.14	0.05	-0.09	0.13	-0.22	0.18	-0.40	-0.25
1894	-0.74	-0.59	-0.08	-0.33	-0.23	-0.06	0.02	-0.03	-0.13	-0.03	-0.38	-0.50	-0.26
1895	-0.60	-0.40	-0.34	-0.04	0.13	-0.03	-0.07	-0.20	-0.01	-0.17	0.10	-0.12	-0.15
1896	-0.03	-0.33	-0.56	-0.50	0.32	0.38	-0.10	-0.23	-0.19	0.16	-0.17	-0.14	-0.12
1897	-0.20	-0.16	-0.63	0.24	0.29	0.02	0.06	0.14	0.14	0.13	-0.10	0.03	-0.00
1898	0.23	-0.59	-0.84	-0.09	-0.23	0.20	-0.02	0.06	-0.00	-0.09	0.04	-0.40	-0.14
1899	0.05	-0.23	-0.22	0.04	0.12	-0.09	0.06	0.07	-0.03	0.23	0.41	-0.23	0.02
1900	-0.53	0.00	0.74	0.01	0.28	-0.10	-0.18	-0.07	0.33	0.32	0.13	0.02	0.08
1901	-0.35	0.35	0.84	0.30	0.16	-0.02	-0.07	-0.16	-0.09	-0.31	0.11	0.13	0.07
1902	0.03	0.36	-0.18	-0.23	-0.32	-0.27	-0.24	-0.25	-0.31	-0.30	-0.44	-0.99	-0.26
1903	0.01	0.29	0.02	-0.36	-0.35	-0.46	-0.42	-0.34	-0.27	-0.62	-0.38	-0.25	-0.26
1904	-0.29	-0.22	-0.12	-0.40	-0.27	-0.33	-0.29	-0.42	-0.44	-0.29	0.11	-0.08	-0.25
1905	-0.06	-0.65	0.02	-0.36	-0.22	-0.32	-0.29	-0.32	-0.36	-0.46	0.08	-0.52	-0.29
1906	-0.28	-0.61	-0.22	0.21	-0.08	0.00	-0.17	0.00	-0.01	0.09	-0.25	0.75	-0.05
1907	-0.43	-0.57	-0.25	-0.25	-0.49	-0.39	-0.17	-0.20	-0.13	-0.01	-0.48	-0.16	-0.29
1908	0.01	0.36	-0.54	-0.22	0.04	-0.00	0.19	-0.14	0.05	-0.24	-0.73	-0.31	-0.13
1909	-0.85	-0.03	-0.54	-0.30	-0.28	0.05	-0.00	0.21	0.04	-0.16	0.33	-0.30	-0.15
1910	-0.12	0.16	-0.45	-0.52	-0.24	-0.37	-0.27	0.01	-0.11	-0.10	-0.34	-0.60	-0.25
1911	-0.57	-0.39	-0.26	0.10	0.06	0.26	-0.11	0.19	0.07	0.25	0.14	0.07	-0.01
1912	0.02	0.40	-0.50	0.15	0.18	0.27	-0.52	-0.61	-0.63	-0.85	-0.22	-0.30	-0.22
1913	-0.40	-0.51	0.06	-0.05	-0.29	-0.28	-0.37	-0.34	-0.27	-0.22	0.09	0.41	-0.18
1914	0.51	0.14	0.27	-0.19	0.09	0.18	0.03	-0.07	-0.20	0.09	-0.16	-0.21	0.04
1915	0.17	0.10	0.15	0.47	0.34	0.08	-0.08	0.09	-0.06	-0.15	0.14	0.07	0.11
1916	0.32	0.18	-0.05	0.04	-0.00	0.04	0.03	-0.10	-0.15	-0.05	-0.15	-0.93	-0.07
1917	-0.22	-0.05	-0.52	-0.54	-0.27	0.07	0.19	-0.12	-0.10	-0.60	-0.06	-0.81	-0.25
1918	-0.45	-0.17	0.20	-0.31	-0.20	-0.19	-0.15	-0.15	0.10	-0.06	-0.44	-0.49	-0.19
1919	-0.15	-0.41	-0.20	-0.05	-0.12	-0.17	0.02	0.11	0.21	0.19	-0.07	-0.18	-0.07
1920	0.51	-0.03	0.44	0.06	0.17	0.05	0.16	0.12	-0.13	-0.14	-0.29	-0.47	0.04
1921	0.76	0.35	0.21	0.16	0.05	0.31	0.21	-0.08	0.12	0.03	0.38	0.11	0.22
1922	0.29	-0.45	0.39	0.15	0.03	0.16	0.09	0.13	0.04	-0.07	0.00	0.49	0.10
1923	0.09	0.00	0.20	-0.19	0.04	-0.03	-0.03	0.16	0.17	0.40	0.79	0.37	0.16
1924	0.12	0.09	0.23	-0.23	0.17	-0.03	0.13	0.22	0.26	0.05	0.68	0.03	0.14
1925	0.24	0.12	0.18	0.21	0.02	0.05	0.03	0.12	0.30	0.09	0.39	0.62	0.20
1926	1.01	0.62	0.75	0.04	-0.17	0.09	0.06	0.09	0.08	0.33	0.52	-0.03	0.28
1927	0.07	0.32	-0.23	-0.09	0.28	0.25	0.31	0.16	0.39	0.52	0.55	-0.06	0.21
1928	0.79	0.80	0.15	0.04	0.09	-0.00	0.18	-0.02	0.20	0.21	0.43	0.48	0.28
1929	-0.16	-0.22	0.09	-0.04	-0.15	-0.11	-0.11	0.04	-0.08	0.05	0.17	-0.08	-0.05
1930	0.40	0.09	0.64	0.16	0.07	0.10	0.32	0.40	0.16	0.13	0.85	0.39	0.31
1931	0.28	-0.21	0.32	0.06	-0.05	0.43	0.30	0.48	0.50	0.59	0.69	0.66	0.34
1932	0.93	0.15	0.36	0.53	0.38	0.16	0.13	0.13	0.36	0.42	-0.08	0.15	0.30
1933	-0.10	-0.17	-0.16	-0.01	-0.17	-0.18	0.10	0.04	-0.06	0.04	-0.10	-0.13	-0.07
1934	0.33	0.79	0.07	-0.01	0.29	0.26	0.18	0.11	-0.01	0.38	0.81	0.87	0.34
1935	-0.29	1.18	0.43	-0.22	-0.14	0.07	0.27	0.22	0.24	0.43	-0.05	0.23	0.20
1936	0.04	0.05	0.05	0.16	0.13	0.28	0.42	0.24	0.30	0.20	0.35	0.62	0.24
1937	0.52	0.78	0.00	0.26	0.40	0.37	0.36	0.38	0.55	0.58	0.60	0.31	0.43

TABLE 2. (concluded)

1938	0.73	0.71	0.70	0.54	0.39	0.38	0.40	0.51	0.63	0.71	0.84	0.39	0.58
1939	0.50	0.47	0.14	0.32	0.30	0.22	0.32	0.27	0.34	-0.02	0.44	1.24	0.38
1940	0.31	0.53	0.44	0.56	0.21	0.13	0.30	0.10	0.33	0.41	0.53	0.62	0.37
1941	0.24	0.70	0.11	0.03	0.23	0.33	0.23	0.20	0.03	0.30	0.13	0.13	0.22
1942	0.71	-0.11	0.15	0.22	0.42	0.32	0.24	0.03	0.27	0.52	0.38	0.57	0.31
1943	0.09	0.57	0.14	0.63	0.33	0.27	0.17	0.32	0.19	0.65	0.62	0.74	0.39
1944	1.26	0.69	0.57	0.40	0.32	0.22	-0.10	0.10	0.31	0.33	0.26	-0.01	0.36
1945	0.11	0.02	0.22	0.46	-0.01	0.07	0.00	0.20	0.04	0.23	0.18	-0.14	0.11
1946	0.69	0.43	0.34	0.52	0.10	0.01	0.11	0.08	0.13	0.02	0.41	-0.22	0.22
1947	0.21	0.09	0.59	0.52	0.18	-0.01	0.11	0.07	0.23	0.84	0.62	0.34	0.32
1948	0.76	0.43	-0.08	0.30	0.37	0.33	0.07	0.15	0.13	0.29	0.40	-0.18	0.25
1949	0.65	0.19	0.38	0.16	0.13	-0.02	-0.09	0.19	0.02	0.19	0.33	0.33	0.21
1950	-0.02	-0.05	0.40	0.04	0.21	0.23	-0.03	0.02	0.12	0.13	-0.11	0.21	0.10
1951	-0.18	-0.14	0.09	0.44	0.47	0.19	0.15	0.30	0.37	0.48	0.28	0.71	0.26
1952	0.54	0.32	-0.20	0.36	0.41	0.28	0.34	0.22	0.37	0.10	0.01	0.35	0.26
1953	0.53	0.66	0.44	0.77	0.68	0.36	0.37	0.36	0.22	0.29	0.27	0.41	0.45
1954	-0.38	0.09	-0.17	0.19	0.20	0.18	0.07	0.20	0.30	0.46	0.71	0.15	0.17
1955	0.87	0.09	-0.35	0.03	0.15	0.20	0.04	0.24	0.16	0.32	-0.22	-0.04	0.12
1956	0.31	-0.11	-0.19	-0.18	-0.08	-0.07	-0.11	-0.18	-0.22	-0.32	-0.15	0.19	-0.09
1957	0.15	0.27	0.08	0.20	0.06	0.13	0.13	0.16	0.19	0.03	0.20	0.30	0.16
1958	0.97	0.56	0.35	-0.00	0.19	0.07	0.13	0.19	0.08	0.08	0.06	0.48	0.26
1959	0.47	0.34	0.60	0.35	0.21	0.22	0.09	0.19	0.30	-0.01	0.20	0.44	0.28
1960	0.53	0.82	-0.46	0.02	0.30	0.44	0.26	0.11	0.30	0.11	0.02	0.68	0.26
1961	0.35	0.52	0.30	0.14	0.18	0.29	0.17	0.22	0.10	-0.12	0.15	0.04	0.20
1962	0.64	0.59	0.10	0.36	0.11	0.00	0.13	0.18	-0.01	0.03	0.22	0.10	0.21
1963	0.13	1.01	-0.26	-0.04	0.05	-0.00	0.25	0.07	0.12	0.46	0.41	0.04	0.19
1964	-0.05	-0.13	-0.59	-0.40	-0.10	0.04	0.06	0.00	-0.22	-0.32	-0.12	-0.13	-0.16
1965	0.29	-0.34	0.11	-0.21	-0.14	-0.10	0.05	-0.06	-0.31	-0.18	0.10	-0.13	-0.08
1966	-0.25	0.25	-0.05	-0.12	0.04	0.20	0.06	0.26	0.12	-0.28	-0.30	-0.16	-0.02
1967	-0.07	-0.40	0.30	0.12	0.28	0.03	0.17	0.26	0.19	0.51	0.18	0.75	0.19
1968	-0.23	0.24	0.84	0.23	0.18	0.04	-0.06	0.02	-0.06	-0.15	-0.44	-0.53	0.01
1969	-0.35	-0.63	-0.50	-0.35	-0.08	-0.01	0.07	0.04	0.02	-0.10	-0.02	0.39	-0.12
1970	0.44	0.73	0.20	0.22	0.21	0.44	0.22	0.38	0.18	-0.23	0.29	0.00	0.26
1971	0.13	0.12	-0.09	-0.16	0.09	0.19	0.04	-0.04	0.14	0.09	0.30	0.20	0.08
1972	-0.66	-0.71	0.23	-0.10	-0.16	0.09	-0.10	-0.10	-0.25	-0.17	-0.34	-0.08	-0.20
1973	0.21	0.55	0.53	0.35	0.22	0.39	0.22	0.07	0.04	0.01	0.29	0.52	0.28
1974	0.34	0.02	0.65	0.31	0.10	0.10	0.17	0.17	0.08	-0.09	-0.10	-0.10	0.14
1975	0.19	0.42	0.42	0.33	0.31	0.19	0.15	0.17	0.24	-0.03	0.11	0.41	0.24
1976	0.64	0.12	-0.08	0.37	-0.03	0.08	-0.08	0.03	0.07	-0.81	-0.43	-0.17	-0.02
1977	0.08	0.17	0.55	0.41	0.43	0.46	0.20	-0.04	0.18	-0.04	0.61	0.27	0.27
1978	0.34	0.27	0.39	0.27	0.05	-0.12	0.02	-0.14	0.24	-0.03	0.39	0.37	0.17
1979	0.24	-0.07	0.48	-0.05	0.33	0.37	0.37	0.33	0.36	0.06	0.43	1.15	0.33
1980	0.35	0.64	0.02	0.20	0.35	0.42	0.24	0.18	0.11	0.24	0.15	0.34	0.27
1981	1.12	1.11	0.78	0.59	0.41	0.64	0.29	0.39	0.21	0.34	0.75	0.92	0.63

A program to read the corrected anomalies and then calculate and print monthly and annual averages that are area-weighted from 17.5°N to 87.5°N. This program was originally written by Alan Robock and has been modified by CDIAC. This program is given as file 17 on the magnetic tape distributed by CDIAC and is to be used to read file 14. The output generated from the execution of this program is given in Table 3.

C PROGRAM TO READ METHODDB DATA, CALCULATE AND PRINT

C MONTHLY AND ANNUAL AVERAGES FROM 20N TO 85N.

C

```
      INTEGER*2 IT(684),IYR,MON
      DIMENSION T(684,12), Z(19,12), ZM(12), A(92)
      * ,LAT(19), LON(18), CLAT(19)
```

C

```
      CCON = 3.1416 / 180.
```

```
      CSUM = 0.
```

```
      WRITE(6,4) (I, I=1,12)
```

4 FORMAT(1X,'YEAR', 12(5X,I2,2X), 5X, 'ANNUAL'//)

C

```
      DO 11 I = 1,19
```

```
      LAT(I) = 95 - 5*I
```

```
      CLAT(I) = COS(FLOAT(LAT(I)) * CCON)
```

```
      IF(LAT(I) .LE. 85 .AND. LAT(I) .GE. 20) CSUM = CSUM + CLAT(I)
```

```
      IF(I .GT. 18) GO TO 11
```

```
      LON(I) = 20 * (I - 1)
```

11

```
      CONTINUE
```

```
      CSUM = 1. / CSUM
```

C

```
      DO 2 IY = 1,91
```

```
      I = IY + 1890
```

```
      A(IY) = 0.
```

```
      DO 3 M = 1,12
```

```
      READ(55,505) IYR, MON, (IT(J), J = 1,684)
```

505

```
      FORMAT(2A2,19(36A2))
```

```
      DO 500 KAS=1,684
```

```
      T(KAS,M)=IT(J)
```

500

```
      CONTINUE
```

```
      IF(IYR .NE. I) WRITE(6,6) I, IYR, M, MON
```

6

```
      FORMAT(' YEAR MISMATCH: I = ', I5, ' IYR = ', I10,
```

```
* ' M = ', I5, ' MON = ', I10/)
```

```
      IF(MON .NE. M) WRITE(6,5) I, IYR, M, MON
```

5

```
      FORMAT(' ***** MONTH MISMATCH: I = ', I5, ' IYR = ', I10,
```

```
* ' M = ', I5, ' MON = ', I10/)
```

C

C CALCULATE ZONAL AVERAGES

C

```
      DO 10 J = 1,19
```

```
      J36 = J * 36
```

```
      J1 = J36 - 35
```

```
      NOBS = 36
```

```
      SUM = 0
```

```
      DO 9 K = J1,J36
```

```
      IF(T(K,M) .LT. -100. .OR. T(K,M) .GT. 100.) GO TO 8
```

```
      SUM = SUM + T(K,M)
```

```

      GO TO 9
8      CONTINUE
      NOBS = NOBS - 1
9      CONTINUE
      IF(NOBS .NE. 0) Z(J,M) = SUM / FLOAT(NOBS)
      IF(NOBS .EQ. 0) Z(J,M) = 0.
10     CONTINUE
C
C CALCULATE MONTHLY AVERAGES (ZM)
C
      ZM(M) = 0.
      DO 20 J = 2,15
      ZM(M) = ZM(M) + Z(J,M) * CLAT(J)
20     CONTINUE
      ZM(M) = ZM(M) * CSUM
C
C CONVERT MONTHLY AVERAGES TO TENTHS OF A DEGREE CELSIUS
C
      ZM(M) = ZM(M) / 10
C
C CALCULATE ANNUAL AVERAGES
C
      A(IY) = A(IY) + ZM(M)
3      CONTINUE
      A(IY) = A(IY) / 12.
C
C PRINT MONTHLY AND ANNUAL AVERAGES
C
      WRITE(6,1) I, (ZM(L), L = 1,12), A(IY)
1      FORMAT(1X, I4, 12(3X, F6.2), 5X, F6.2)
2      CONTINUE
      STOP
      END

```

TABLE 3. Monthly and annual averages for the corrected surface air temperature anomalies data file (File 14). The averages are expressed in degrees Celsius.

AR	1	2	3	4	5	6	7	8	9	10	11	12	ANNUAL
91	0.0	-0.80	0.50	-1.30	0.60	0.30	-0.60	-0.50	-0.60	-0.50	-0.40	-1.60	-0.41
92	-0.50	-0.70	-0.20	-0.80	-2.20	0.30	-0.60	-0.50	-0.70	1.00	0.50	-0.30	-0.39
93	1.00	-0.70	-3.50	-2.70	0.10	-1.40	-1.50	-0.80	0.50	-1.00	0.50	-0.60	-0.84
94	-2.10	-3.40	0.10	-0.90	0.50	0.10	0.40	-0.30	0.50	0.70	-0.50	-1.10	-0.50
95	2.60	2.40	-0.50	-0.50	1.40	1.30	0.50	-0.30	-0.80	-0.30	0.40	0.20	0.53
96	-1.30	-0.20	0.30	-0.20	-0.30	2.00	-0.30	-1.30	-1.20	0.0	1.20	2.00	0.06
97	-0.40	-2.60	0.80	1.20	-0.10	0.10	0.50	0.50	0.20	0.50	-1.30	0.30	-0.02
98	-3.30	-2.40	0.60	0.70	-0.70	-0.30	-0.50	-0.70	0.40	1.40	-0.30	-6.70	-0.98
99	-0.60	-0.50	-1.10	-2.00	0.40	-0.90	-0.50	-0.40	-0.70	0.50	-0.60	2.20	-0.35
00	1.80	1.90	3.50	0.30	0.40	0.60	0.40	-0.20	-0.40	-0.60	2.20	-1.80	0.67
01	-2.80	2.60	1.60	-0.70	-0.20	-0.60	-1.30	-1.80	-0.60	-1.90	1.10	-2.00	-0.55
02	-5.20	-6.00	-8.70	-1.20	-0.40	-0.60	1.10	-1.90	-2.00	0.20	-0.90	-4.10	-2.47
03	-1.00	-0.70	-0.40	-0.90	-0.40	-0.50	-1.00	-1.70	0.40	-0.30	-0.40	-0.10	-0.58
04	-0.60	-0.20	0.60	-0.40	-0.30	-0.60	0.50	0.50	-0.40	-0.80	-0.60	-0.60	-0.24
05	-1.50	0.90	3.60	-0.90	0.30	-1.40	-1.80	-0.30	-2.30	-2.10	-3.20	-4.10	-1.07
06	-3.60	-1.40	-1.30	-0.30	-0.40	-0.70	-0.70	-0.50	-0.10	0.0	-1.20	-0.30	-0.87
07	-0.60	-0.70	-1.10	0.50	-0.30	0.0	-0.50	-0.20	-0.70	-0.20	-0.50	0.50	-0.32
08	0.40	1.50	-0.10	1.50	0.40	-0.50	3.10	2.20	1.60	-0.20	-4.10	0.30	0.51
09	-0.60	3.30	-4.10	0.90	0.40	0.40	0.80	2.30	1.40	-2.30	0.20	-3.60	-0.08
10	-4.00	1.00	-4.20	-3.30	-0.40	-1.60	-2.40	3.30	2.20	-0.30	2.70	-0.80	-0.65
11	-0.70	-0.40	-0.60	0.70	2.40	0.30	0.50	0.0	0.30	2.20	0.60	-1.80	0.29
12	0.50	-3.20	-4.80	1.40	0.30	0.40	-0.90	-0.50	-1.60	-1.40	-0.30	0.60	-0.79
13	-3.30	-1.90	0.50	0.40	-1.00	-0.80	-0.80	-1.40	-0.30	-2.20	-0.60	-0.80	-1.02
14	-2.80	-4.80	-0.30	0.40	-1.40	1.00	-0.50	-0.40	-1.20	1.40	-1.10	-5.20	-1.24
15	-1.70	-2.50	-1.90	1.30	-1.10	-0.50	-0.80	-0.70	0.60	0.60	-3.30	-3.70	-1.14
16	-0.70	-0.40	1.00	0.20	-1.00	-0.40	-0.50	0.30	0.50	-0.70	-0.20	-3.70	-0.47
17	-0.70	-3.30	-3.40	-4.30	-0.60	-0.50	-1.00	-1.80	-2.70	-5.30	-5.00	-7.50	-3.01
18	-5.20	-1.40	-0.50	-0.60	-0.10	0.40	0.30	0.10	-0.40	-2.30	-3.10	0.40	-1.03
19	1.10	-3.60	-1.50	-4.40	0.80	0.10	0.30	0.50	0.40	2.80	0.50	0.20	-0.23
20	0.30	-0.60	1.10	0.50	-0.20	-0.50	-0.60	-0.30	-0.40	0.10	-0.20	-0.60	-0.12
21	0.50	-3.00	-2.10	-1.00	-0.30	-1.40	-0.80	-0.30	-0.20	-1.60	6.20	-0.50	-0.38
22	4.00	-5.50	1.30	-0.20	-0.60	4.10	1.30	1.40	1.20	0.80	-0.30	1.70	0.77
23	0.60	0.60	-0.50	2.20	1.40	-0.50	1.30	1.60	0.40	1.00	4.40	0.40	1.07
24	1.60	-0.10	0.10	-0.80	0.60	-0.50	-0.90	-0.40	0.50	0.30	0.90	0.10	0.12
25	1.20	3.20	-0.20	0.40	-1.20	1.10	-1.70	-1.80	-0.40	-0.50	-1.10	-3.60	-0.38
26	1.80	-2.50	-0.60	0.90	-1.30	-0.70	1.40	0.30	1.40	0.50	-0.30	-1.50	-0.05
27	-1.30	1.10	-0.80	-1.20	2.40	0.20	0.20	0.70	0.40	-0.10	2.30	0.10	0.33
28	2.90	4.40	0.80	-1.40	-0.20	0.20	0.20	0.60	0.80	-0.20	0.50	-0.40	0.68
29	-2.70	7.10	-0.80	-2.90	-2.80	-0.40	-0.40	-0.50	-0.50	-1.50	-2.10	8.70	0.10
30	5.40	1.10	-0.40	0.60	1.60	0.40	1.30	-0.10	-0.50	-2.00	6.90	4.80	1.59
31	-0.20	1.60	-1.40	3.10	-0.60	1.40	1.40	0.70	1.50	0.10	5.90	4.30	1.48
32	-1.20	2.80	3.30	-0.10	2.90	0.60	0.60	-0.30	0.60	1.00	-2.10	3.20	0.94
33	9.60	5.70	0.90	0.80	0.30	-0.40	-0.70	-0.40	-1.10	-0.50	-0.20	-0.40	1.13
34	2.30	-0.90	4.10	-2.00	-0.20	0.20	0.30	-0.30	0.60	0.90	3.20	2.40	0.88
35	-0.50	2.50	-0.20	-0.30	-1.30	-1.20	0.50	0.50	-0.50	3.60	3.60	3.40	0.84
36	4.20	1.50	-0.10	1.40	1.40	-0.20	-0.20	0.60	0.50	2.70	1.00	3.20	1.33
37	5.90	-0.70	1.30	-0.20	1.50	-0.60	0.20	-0.30	-1.80	-2.10	2.30	2.70	0.68
38	2.60	7.20	2.90	-0.20	0.30	0.20	0.30	0.40	1.30	3.50	3.60	6.60	2.39
39	2.00	0.90	5.20	0.10	-1.00	-0.40	1.50	0.20	0.40	1.00	0.0	0.40	0.86
40	5.40	-1.70	-0.30	-1.80	0.30	0.50	1.00	-0.20	0.90	2.50	3.30	4.80	1.22
41	-2.30	2.30	1.00	-1.60	0.40	-1.30	-0.40	-0.30	0.30	-0.20	-1.10	2.10	-0.01
42	5.40	-1.60	-0.80	0.40	1.60	0.30	0.30	-0.70	0.80	1.10	1.70	3.20	0.91
43	-0.20	0.50	-0.30	1.90	-0.20	0.50	0.20	0.70	0.30	1.80	-0.50	0.40	0.41
44	2.60	0.70	1.10	0.70	-0.10	0.30	-0.40	-0.60	-0.30	0.70	1.40	3.90	0.83
45	0.70	0.90	0.20	1.60	0.10	-0.40	0.20	-0.40	-0.70	0.10	0.30	1.70	0.36
46	-0.60	0.0	0.60	-2.20	0.90	0.30	0.0	-0.30	-1.10	-0.30	0.80	-0.40	-0.11
47	3.10	2.70	0.50	0.40	0.80	0.40	0.30	-0.40	0.40	2.10	0.70	-1.40	0.8
48	-3.50	-2.80	-0.10	-1.40	0.0	-0.50	0.30	-0.60	-0.30	1.30	-2.70	-8.10	-1.5
49	-6.00	2.80	4.60	-1.50	-1.10	-0.10	-0.40	0.60	-1.40	-3.10	1.40	4.80	0.05
50	2.10	-0.40	1.30	0.40	-0.20	-0.40	0.30	0.40	0.40	-0.40	-0.80	-5.20	-0.21
51	-4.70	1.10	1.90	0.60	1.50	1.20	0.10	-0.40	1.10	0.30	-0.80	-1.60	0.0
52	2.30	1.70	-1.30	1.20	5.40	0.10	0.30	0.20	1.10	2.20	1.60	0.70	1.2
53	2.60	1.30	-2.70	0.60	4.60	0.80	-0.80	-2.20	-0.30	0.30	2.10	0.90	0.6
54	0.20	-0.20	-5.40	1.40	3.50	1.30	0.0	0.90	1.40	4.60	0.30	1.20	0.77
55	-1.10	-3.10	3.20	-2.00	-1.30	-0.50	-2.00	0.30	0.80	0.80	-3.70	-2.60	-0.93
56	0.60	5.00	-4.20	0.50	-1.20	-1.90	0.90	0.40	0.10	-1.90	3.10	7.30	0.7
57	0.10	0.10	-0.20	0.30	-0.20	-0.40	0.30	-0.20	-2.60	4.40	-1.50	-4.50	-0.3
58	2.60	-1.40	3.00	-2.90	0.10	-0.40	0.10	1.50	-0.40	-3.60	-2.40	0.10	-0.3

TABLE 3. (concluded)

1959	-2.70	-4.90	-2.20	1.70	-0.10	-0.30	-0.70	0.20	-1.90	-0.70	6.40	-0.50	-0.47
1960	4.10	-1.90	-4.10	-2.00	2.70	0.40	0.50	0.40	0.90	0.20	-0.60	-1.70	-0.09
1961	2.50	-0.90	-0.40	0.60	-2.90	-0.40	-0.10	0.0	-0.10	-0.80	-1.90	-0.20	-0.38
1962	0.0	-0.40	1.60	0.30	-0.90	0.90	0.20	-0.10	-0.80	-0.80	2.10	-0.60	0.12
1963	-1.00	-2.40	-3.90	-0.90	-0.90	0.40	0.0	0.50	-2.20	-2.80	-1.40	-0.20	-1.23
1964	-3.00	-1.90	-3.40	-1.90	-4.40	0.40	1.30	0.30	-1.50	0.20	-0.70	-0.10	-1.22
1965	0.40	0.60	-0.20	0.10	-2.40	-0.10	2.40	0.50	-1.50	-1.30	4.10	-0.60	0.17
1966	-2.00	0.10	-2.90	-2.90	-0.60	0.10	0.40	0.30	-1.00	-6.80	-1.90	3.90	-1.11
1967	-2.00	-4.30	1.10	0.10	0.10	1.00	2.90	1.00	0.10	0.20	0.30	0.20	0.06
1968	0.0	0.10	-1.40	-0.90	0.30	0.0	0.40	0.50	-1.00	-2.80	-3.80	-1.90	-0.87
1969	-2.00	0.10	-5.40	-1.90	-1.80	0.70	1.50	0.0	1.00	-0.80	-0.90	1.90	-0.63
1970	1.20	0.30	-0.10	-2.60	0.90	1.10	0.10	1.00	0.40	-1.20	0.90	0.0	0.17
1971	-2.80	6.60	2.50	0.40	0.60	1.40	0.90	-1.50	2.30	-2.80	-1.40	0.0	0.52
1972	4.20	-5.20	5.90	1.90	-1.30	1.10	-0.50	1.00	2.60	1.10	2.60	2.20	1.30
1973	3.20	-3.10	-1.60	0.10	0.30	0.80	0.60	-0.60	-2.10	0.0	-0.90	-0.20	-0.29
1974	3.20	-0.20	0.90	-0.90	0.90	0.20	0.60	0.50	-0.40	1.70	0.10	4.30	0.91
1975	-3.80	0.40	-0.10	-0.30	0.40	-0.10	-0.10	0.50	1.10	-3.40	-3.10	2.70	-0.48
1976	1.20	3.80	5.40	-1.10	-0.30	0.10	0.10	-0.10	2.10	-4.20	-4.10	0.0	0.24
1977	4.20	-2.20	-1.70	-3.10	0.40	0.0	0.10	0.0	0.20	-0.20	0.70	0.0	-0.13
1978	0.0	1.30	-0.60	-0.80	0.80	0.20	0.30	-0.40	0.60	-0.40	1.00	1.20	0.27
1979	1.00	-2.10	0.30	-1.50	-0.30	-0.50	0.60	0.40	1.10	0.80	0.10	-0.50	-0.05
1980	0.20	-0.70	1.90	-0.30	1.20	0.50	0.10	0.20	-0.50	0.80	-2.10	1.30	0.22
1981	1.40	1.00	3.40	-1.10	1.20	1.00	0.10	0.50	2.60	2.30	3.90	2.20	1.54

A program that will read the corrected (File 14) or uncorrected (Files 3 or 13) data files, count the number of missing points for each month, print the first eight data points for each month, and flag probable errors. This program was written by Alan Robock and modified by CDIAC and is provided as file 18 on the magnetic tape distributed by CDIAC. A sample of the output generated by the execution of this program on the corrected anomalies is given in Table 4.

```

      INTEGER*2 ITEMP(758)
      JMAX = 758
      K = 1
2     CONTINUE
      IF(K .EQ. 2) JMAX = 686
      DO 5 IY = 1,93
      IYR = IY + 1890
      DO 5 M = 1,12
      IF(K .EQ. 1) READ(51,500,END=6)ITEMP
      IF(K .EQ. 2) READ(52,501,END=8) (ITEMP(I), I = 1,686)
501  FORMAT(2A2, 36(19A2))
500  FORMAT(2A2,21(36A2))
      N = 0
      DO 4 J = 3, JMAX
      IF(ITEMP(J) .LT. -32750 .OR. ITEMP(J) .GT. 32750) GO TO 7
      IF(ITEMP(J) .GT. -200 .AND. ITEMP(J) .LT. 200) GO TO 4
C PROBABLE ERROR IN INPUT DATA
      L = (J-2)/36
      LAT = (18 - L) * 5
      LON = ((J - (L * 36)) - 3) * 10
      WRITE(6,61) ITEMP(J), LAT, LON, J
61   FORMAT(33X, I8, ' LAT = ', I3, ' LON = ', I3, ' J = ', I3)
      GO TO 4
7     CONTINUE
      N = N + 1
4     CONTINUE
      WRITE(6,60) IYR, M, IY, N, (ITEMP(I), I = 1,10)
60   FORMAT(1X, 14I6)
5     CONTINUE
C END OF FIRST FILE
6     CONTINUE
      WRITE(6,62)
62   FORMAT('/' END OF FILE TANOMI.'//)
      K = 2
      GO TO 2
8     CONTINUE
      WRITE(6,63)
63   FORMAT('/' END OF FILE TANUFL.')
      STOP
      END

```

TABLE 4. Partial listing of the number of missing points and the first eight data points for each month of the corrected monthly surface air temperature anomalies data file (File 14). The columns are the year, month, number of years into the data record, number of missing points for that month, year, month, and the first eight data points, respectively. The data points are expressed in tenths of a degree Celsius.

1891	1	1	92	1891	1	-5	-5	-5	-5	-5	-5	-5	-5
1891	2	1	126	1891	2	-8	-8	-8	-8	-8	-8	-8	-8
1891	3	1	92	1891	3	5	5	5	5	5	5	5	5
1891	4	1	71	1891	4	-13	-13	-13	-13	-13	-13	-13	-13
1891	5	1	73	1891	5	6	6	6	6	6	6	6	6
1891	6	1	114	1891	6	3	3	3	3	3	3	3	3
1891	7	1	106	1891	7	-6	-6	-6	-6	-6	-6	-6	-6
1891	8	1	130	1891	8	-5	-5	-5	-5	-5	-5	-5	-5
1891	9	1	101	1891	9	-6	-6	-6	-6	-5	-6	-6	-6
1891	10	1	105	1891	10	-5	-5	-5	-5	-5	-5	-5	-5
1891	11	1	70	1891	11	-4	-4	-4	-4	-4	-4	-4	-4
1891	12	1	94	1891	12	-16	-16	-16	-16	-16	-16	-16	-16
300 LON = 40 LAT = 30 J = 439													
1892	1	2	67	1892	1	-5	-5	-5	-5	-5	-5	-5	-5
1892	2	2	108	1892	2	-7	-7	-7	-7	-7	-7	-7	-7
1892	3	2	84	1892	3	-2	-2	-2	-2	-2	-2	-2	-2
1892	4	2	92	1892	4	-8	-8	-8	-8	-8	-8	-8	-8
1892	5	2	73	1892	5	-22	-22	-22	-22	-22	-22	-22	-22
1892	6	2	106	1892	6	3	3	3	3	3	3	3	3
1892	7	2	132	1892	7	-6	-6	-6	-6	-6	-6	-6	-6
1892	8	2	87	1892	8	-5	-5	-5	-5	-5	-5	-5	-5
1892	9	2	101	1892	9	-7	-7	-7	-7	-6	-7	-7	-7
1892	10	2	92	1892	10	10	10	10	10	10	10	10	10
1892	11	2	118	1892	11	5	5	5	5	5	5	5	5
1892	12	2	109	1892	12	-3	-3	-3	-3	-3	-3	-3	-3
1893	1	3	91	1893	1	10	10	10	10	10	10	10	10
1893	2	3	124	1893	2	-7	-7	-7	-7	-7	-7	-7	-7
1893	3	3	96	1893	3	-35	-35	-35	-35	-35	-35	-35	-35
1893	4	3	116	1893	4	-27	-27	-27	-27	-27	-27	-27	-27
1893	5	3	87	1893	5	1	1	1	1	1	1	1	1
1893	6	3	110	1893	6	-14	-14	-14	-14	-14	-14	-14	-14
1893	7	3	102	1893	7	-15	-15	-15	-15	-15	-15	-15	-15
1893	8	3	138	1893	8	-8	-8	-8	-8	-8	-8	-8	-8
1893	9	3	92	1893	9	5	5	5	5	6	5	5	5
1893	10	3	121	1893	10	-10	-10	-10	-10	-10	-10	-10	-10
1893	11	3	101	1893	11	5	5	5	5	5	5	5	5
1893	12	3	90	1893	12	-6	-6	-6	-6	-6	-6	-6	-6
1894	1	4	95	1894	1	-21	-21	-21	-21	-21	-21	-21	-21
1894	2	4	69	1894	2	-34	-34	-34	-34	-34	-34	-34	-34
1894	3	4	82	1894	3	1	1	1	1	1	1	1	1
1894	4	4	99	1894	4	-9	-9	-9	-9	-9	-9	-9	-9
1894	5	4	107	1894	5	5	5	5	5	5	5	5	5
1894	6	4	87	1894	6	1	1	1	1	1	1	1	1
1894	7	4	124	1894	7	4	4	4	4	4	4	4	4
1894	8	4	111	1894	8	-3	-3	-3	-3	-3	-3	-3	-3
1894	9	4	120	1894	9	5	5	5	5	6	5	5	5
1894	10	4	78	1894	10	7	7	7	7	7	7	7	7
1894	11	4	104	1894	11	-5	-5	-5	-5	-5	-5	-5	-5
1894	12	4	63	1894	12	-11	-11	-11	-11	-11	-11	-11	-11

A program that will read the corrected anomalies data file (File 14) and print the anomalies on a $5^{\circ} \times 10^{\circ}$ latitude-longitude grid. This program was written by CDIAC and is provided as file 19 on the magnetic tape distributed by CDIAC. A sample of the output generated by the execution of this program on the corrected anomalies is given in Table 5.

```

      INTEGER*2 IYEAR,MONTH,ITEMP(684),IT(36,19)
2      CONTINUE
C
C      READ IN THE CORRECTED SURFACE AIR TEMPERATURE ANOMALIES
C      FOR THE NORTHERN HEMISPHERE (WHICH ARE FORMATTED IN
C      AN INTEGER*2 FORMAT) ----- FILE 14
C
      READ(52,501,END=999) IYEAR,MONTH,(ITEMP(J),J=1,684)
501  FORMAT(2A2,19(36A2))
C
C      PUT THE TEMPERATURE ANOMALIES INTO THEIR PROPER LOCATION
C      IN AN ARRAY WITH 36 LONGITUDE BANDS (J=1, 0 DEGREES ...
C      J=36, 350 DEGREES) AND 19 LATITUDE BANDS (I=1, 5 DEGREES N
C      ..... I=19, 90 DEGREES N)
C
      N=0
      DO 45 I=19,1,-1
        DO 50 K=1,36
          N=N+1
          IT(K,I)=ITEMP(N)
50      CONTINUE
45      CONTINUE
C
C      PRINT THE CORRECTED SURFACE AIR TEMPERATURE ANOMALIES
C      FOR THE NORTHERN HEMISPHERE IN THEIR 5 X 10 DEGREE GRIDDED FORMAT
C
      WRITE(6,30) IYEAR,MONTH
30      FORMAT(1X,2I4,/)
      WRITE(6,35)
35      FORMAT(9X,'0',5X,'5',4X,'10',4X,'15',4X,'20',5X,'25',
1 4X,'30',4X,'35',4X,'40',4X,'45',4X,'50',4X,'55',4X,
2 '60',4X,'65',4X,'70',4X,'75',4X,'80',4X,'85',4X,'90',/)
      DO 161 K=1,36
        LON=(K-1)*10
        WRITE(6,160) LON,(IT(K,I),I=1,19)
160      FORMAT(1X,I3,2X,36(19I6,' '))
161      CONTINUE
      WRITE(6,162)
162      FORMAT(/)
      GO TO 2
999      CONTINUE
      WRITE(6,163)
163      FORMAT(/' END OF DATA FILE..')
      STOP
      END

```


TABLE 5. Partial listing of the corrected monthly surface air temperature anomalies. All anomalies have been corrected relative to the 1881-1975 reference period normal. The anomalies are expressed in tenths of a degree Celsius.

1891	1	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	-32768-32768-32768	32767	32766	32767	-10	-31	-34	-30	-29	-19	-9	-7	-2	-3	-2	-4	-5			
10	-32768-32768-32768	32767	32767	32767	-9	-22	-27	-30	-42	-37	-18	-8	-1	-2	-2	-4	-5			
20	-32768-32768	32767-32768-32768-32768	-8	-10	-19	-48	-38	-20	-4	1	-1	-2	-3	-5						
30	-32768-32767	-2	2	1	0	-3	-7	-9	-29	-28	-21	-17	-10	-10	-4	-1	-3	-5		
40	-32768-32768	-1	1	3	1	-1	0	-4	-1	-44	-70	-19	-1	-13	-6	0	-3	-5		
50	-32768-32768	-1	1	4	1	0	-9	-1	-35	-84	-70	-28	12	6	-2	1	-3	-5		
60	-32768	0	2	3	4	3	-2	-21	-77	-82	-66	-61	-41	16	20	3	0	-2	-5	
70	-32768	4	2	2	3	-1	0	-7	-42	-84	-61	-20	-9	17	23	6	1	-2	-5	
80	5	7	-1	-1	-4	-2	12	13	13	-53	-63	-44	-27	4	24	11	0	-2	-5	
90	5	7	5	5	1	-2	12	16	13	-12	-33	-29	-10	8	20	8	-1	-3	-5	
100	1-32768	-1	-1	-1	1	12	16	12	7	-8	-5	0	11	8	3	-2	-3	-5		
110	-3-32768	-5	-2	2	12	13	12	10	10	9	9	1	-1	-6	-5	-2	-3	-5		
120	-32768-32768	-5	-2	0	-2	0	-2	-3	-4	-7	6	-20	-23	-22	-8	-4	-3	-5		
130	-32768 32767-32768	-4-32768	-6	-7	-10	-10	-13	-16	-19	-22	-24	-25	-9	-6	-3	-5				
140	-32768-32768-32768-32768-32768	-7	-8	-11	-13	-13	-14	-1	6	-12	-25	-7	-5	-3	-5					
150	-32768-32768-32768-32768-32768-32768	-5	-8	-8	-10	-10	-10	8	50	-13	-11	-5	-4	-4	-5					
160	-32768-32768-32768-32768-32768-32768	-4	-8	-8	-10	-10	-10	8	50	-13	-11	-5	-4	-4	-5					
170	-2	-2	-2	-3-32768-32768	-3	-5	-7	-9	-3	-2	8	-8	-8	-5	-4	-5				
180	2	2	1	1	-1	-2	-3	-4	-5	-8	-4	-3	-5	-13	-5	-4	-5	-5		
190	-32768	4	4	2	2	1	-1	-3	-5	-4	-3	11	4	3	-4	-3	-5	-5		
200	-32768-32768	4	3	1	0	-1	-3	-5	-4	-3	11	4	3	-4	-3	-5	-5			
210	-32768-32768-32768	3	1	0	-2	-4	-6	-3	-1	31	20	16	2	-3	-4	-5	-5			
220	-32768-32768-32768	3	2	0	-3	-6	-3	-1	-1	54	43	15	8	-2	-4	-5	-5			
230	-32768-32768	3	3	1	-1	-5	-1	-1	0	16	72	54	28	8	-2	-4	-5	-5		
240	-32768-32768	3	2	1	-3	-7	-2	-5	0	46	55	42	21	1	-3	-4	-5	-5		
250	-32768-32768	3	2	-1	-8	-20	-33	-18	34	87	29	23	5	1	-5	-6	-5	-5		
260	0	3	3	2	-2	-8	-8	14	68	59	12	7	1	-3	-5	-6	-6	-5		
270	0	1	1	-2	-5	-7	-9	2	23	32	28	-1	-13	-2	4	-7	-6	-5		
280	5	7	-11	-8	-7	-11	-9	2	12	17	12	-6	-5	-6	-4	-7	-8	-7	-5	
290	-32768	4	-10	-9	-8	-7	-3	0	5	11	-2	-2	-5	-6	-1	-8	-9	-7	-5	
300	-32768	0	-8	-9	-6	-6	-4	-1	6	18	15	21	-3	-7	-8	-6	-9	-6	-5	
310	-32768-32768-32768	-7	-5	-5	-4	-2	-1	10	21	12	6	-3	-6	-6	-7	-6	-5	-5		
320	-32768-32768-32768-32768-32768-32768	-2	-3	-2	0	9	-1	18	9	4	-5	-6	-6	-5	-6	-5	-5			
330	-32768-32768-32768-32768-32768-32768	-4	-7	-4	-2	-1	-8	10	12	8	-3	-6	-6	-9	-6	-5	-5			
340	-32768-32768-32768	-7	-8	-10	-10	-10	-10	-2	-7	-5	-12	-1	8	6	-3	-4	-5	-5		
350	-32768-32767-32768	-7	-8	-8	-15	-18	-16	-10	-9	-30	-5	-2	0	0	-3	-4	-5			

TABLE 5. (continued)

1891 2

	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	-32768-32768	32767	32766	32765	-10	-9	-29	-24	-13	-10	-9	21	25	19	2	17	-14	-8	
10	-32768-32768-32768	32766	32766	32766	-8	-8	-22	-20	-11	-19	0	22	29	19	8	-12	-11	-8	
20	-32768 32767 32767	32767	32767	32767	-8	-12	-23	-30	-51	-36	-1	21	80	41	14	-8	-9	-8	
30	-32768	1	0	-2	-4	-8	-14	-24	-20	-35	-22	7	29	73	80	20	-5	-9	-8
40	-32768-32768	3	2	1	0	-9	-12	-31	-33	-22	18	50	65	42	-1	-2	-8	-8	
50	-32768-32768	5	4	2	2	0	-9	-19	-20	6	26	50	61	22	0	-1	-7	-8	
60	-32768	5	5	3	2	0	-5	-19	-63	-49	-11	9	20	33	9	0	0	-7	-8
70	-32768	4	3	2	0	-14	-28	-26	-51	-99	-30	-1	11	5	0	-1	0	-7	-8
80	3	1	-3	0	-12	-16	-16	-11	-18	-57	-30	-2	14	2	1	-2	-2	-5	-8
90	4	5	5	3	0	-10	-13	-13	-17	-30	-16	0	19	4	2	-3	-2	-6	-8
100	1	-1	-1	-2	-7	-12	-12	-14	-10	-4	10	12	17	13	2	-2	-2	-5	-8
110	-32768-32768 32767	-8	-9	-10	-11	-8	10	31	27	13	20	16	3	-2	-2	-2	-5	-8	
120	-32768-32768-32768-32768	-3	-4	-3	4	24	28	7	4	14	16	3	-1	-2	-2	-5	-8		
130	-32768-32768-32768-32768	-2	2	8	10	16	18	8	-6	7	10	1	-2	-2	-2	-5	-8		
140	-32768-32768-32768-32768	-3	-2	-2	-2	-1	8	-18	-22	-10	0	-2	-2	-2	-2	-5	-8		
150	-32768-32768-32768-32768 32767 32767	-4	-5	-3	-10	-33	-32	-20	-6	-4	-1	-2	-5	-8					
160	-32768-32768-32768-32768 32767 32767	-4	-6	-9	-12	-31	-35	-23	-11	-8	-2	-3	-5	-8					
170	-32768-32768-32768 32767 32767 32767	-4	-6	-9	-11	-19	-28	-24	-13	-7	-3	-3	-4	-8					
180	-32768-32768-32768 32767 32767 32767	-3	-5	-8	-10	-10	-13	-18	-12	-6	-3	-3	-4	-8					
190	-32768-32768-32768-32768 32767 32767	-3	-4	-6	-9	-7	-7	-7	-7	-5	-3	-3	-4	-8					
200	-32768-32768-32768 32767 32767 32767	-3	-4	-5	-6	-5	-5	-5	-5	-4	-2	-5	-5	-8					
210	-32768-32768-32768-32768 32767 32767	-3	-4	-5	-6	-8	-6	-5	-5	-3	-3	-5	-5	-8					
220	-32768-32768-32768-32768-32768 32767	-4	-5	-8	-10	-10	-11	-8	-7	-5	-5	-6	-6	-8					
230	-32768-32768-32768-32768-32768-32768	-4	-8	-10	-14	-37	-50	-20	0	-6	-7	-6	-6	-8					
240	-32768-32768-32768-32768-32768 32767	-10	-13	-21	-50	-62	-50	-29	-18	-15	-10	-8	-7	-8					
250	-32768-32768	-4	-3	-2	1	0	-12	-20	-75	-85	-56	-41	-29	-25	-21	-17	-8	-8	
260	-32768-32768	2	2	6	10	11	-2	-35	-37	-46	-64	-60	-48	-41	-35	-29	13	-8	
270	-32768-32768	5	7	8	27	33	29	17	6	-26	-62	-66	-63	-58	-53	-42	18	-8	
280	4	4	2	1	4	15	32	34	33	29	-23	-61	-74	-79	-74	-64	-51	23	-8
290	2	1	-6	-8	1	17	22	24	11	-23	-55	-77	-92	-91	-76	-55	28	-8	
300	-8	-13	-11	-7	-2	-1	0	3	4	-3	-25	-52	-70	-95	-109	-86	-58	29	-8
310	-9	-9	-7	-6	-5	-5	-4	-3	-5	-13	-24	-40	-50	-62	-96	-84	-59	29	-8
320	-32768-32768-32768-32768-32768-32768	-5	-6	-7	-10	-15	-21	-23	-29	-53	-73	-55	-31	-8					
330	-32768-32768-32768-32768-32768-32768	-3	-4	-4	-6	-8	-3	-2	-32	-57	-51	26	-8						
340	-32768-32768-32768-32768-32768-32768	-8	-4	-1	0	2	3	7	10	1	-40	-41	21	-8					
350	-32768-32768-32768 32767 32765	-8	-9	-9	0	2	8	13	17	20	18	-3	-29	18	-8				

TABLE 5. (concluded)

1891 3

	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	3	1	-1	-4	-5	-4	-8	-10	-19	-10	-1	-14	-23	-35	-22	-4	0	3	5
10	0	-2	-3	-6	-6	-7	-7	-11	-7	2	-5	-12	-14	-34	-20	-3	-2	3	5
20	0	-2	-5	-6	-6	-4	-3	0	5	-10	1	-7	-21	-11	-14	-2	-2	3	5
30	-32768	-3	-5	-5	-5	-3	-1	2	22	11	9	-10	9	-10	-13	-2	0	3	5
40	-32768-32768	-2	-2	-3	-3	0	15	21	21	34	30	26	3	-9	-1	3	5	5	5
50	-32768-32768	2	0	0	0	2	8	18	31	56	56	35	5	-9	4	7	5	5	5
60	-32768	5	4	4	4	2	1	1	9	28	48	56	36	36	19	7	8	5	5
70	-32768	3	3	1	0	-22	-27	-10	14	-30	18	47	46	36	29	8	8	6	5
80	-32768	0	-3	-2	-8	-22	-31	-28	-29	-14	-2	20	28	38	31	9	9	6	5
90	3	4	5	1	-1	-17	-23	-26	-25	-23	-14	0	19	38	29	8	8	6	5
100	1	-1	-1	-1	-3	-9	-21	-24	-22	-14	-4	7	22	32	28	9	8	6	5
110	0	-1	-3	-6	-10	-17	-18	-9	-1	1	8	20	36	31	30	11	8	6	5
120	4	3	2	-2	-8	-8	-2	10	21	27	35	39	54	45	31	11	9	6	5
130	4	3	1	-2	-5	-2	2	19	34	49	59	61	63	47	31	10	9	6	5
140	0	-2	-3	-5	-4	-2	2	20	32	52	48	29	27	21	17	9	9	6	5
150	-32768-32768-32768-32768	32767	-5	-3	-2	9	20	15	0	-10	20	1	7	7	6	5	5	5	5
160	-32768-32768-32768	32767	32767	32767	32767	-3	-4	-4	-2	-8	-14	-18	-22	-2	6	6	6	5	5
170	-32768-32768	32767	32767	32767	32767	-3	-3	-4	-4	-6	-6	-8	-20	0	6	6	6	5	5
180	-32768-32768-32768-32768-32768	32767	32767	-3	-3	-3	-3	-3	-1	-1	2	3	-1	4	5	6	6	5	5
190	-32768-32768-32768-32768	32767	32767	-3	-3	-3	0	1	3	4	5	-2	5	6	6	6	5	5	5
200	-32768-32768-32768	-6	-6	-4	-3	-2	0	1	3	3	5	7	7	4	7	7	7	6	5
210	-32768-32768-32768	32767	-2	-2	0	1	3	3	3	5	7	7	4	7	7	7	7	6	5
220	-32768-32768-32768-32768-32768	32767	1	3	3	1	2	4	10	-8	9	8	7	6	5	5	5	5	5
230	-32768-32768-32768-32768-32768	32768	4	3	2	-7	-12	0	12	7	9	8	9	6	5	5	5	5	5
240	-32768-32768-32768-32768-32768	2	0	1	-8	-33	-20	12	12	12	10	7	9	6	5	5	5	5	5
250	-32768-32768-32768	2	1	0	-9	-20	-29	-50	-32	-4	12	12	11	7	8	6	5	5	5
260	-32768-32768	2	0	-4	-13	-28	-37	-55	-46	-41	-19	11	14	10	8	9	6	5	5
270	0	1	2	0	-3	-7	-8	-18	-34	-21	-25	-2	11	13	12	6	8	6	5
280	-3	-3	-2	-5	-1	0	-9	-28	-32	-9	10	11	13	15	12	4	7	5	5
290	-32768-32768	32767	-4	-3	-2	-9	-19	-9	-11	10	13	18	16	8	3	4	4	5	5
300	-32768-32768	32767	32767	32767	-5	-7	-2	2	11	11	13	15	13	-8	-9	2	4	5	5
310	-32768-32768-32768-32768-32768	-2	-3	-1	7	10	10	10	10	11	10	11	-30	-19	2	4	5	5	5
320	-32768-32768-32768-32768-32768	-3	-3	-3	-1	-1	0	-3	-19	-27	-20	1	3	5	5	5	5	5	5
330	-32768-32768-32768-32768-32768	-2	-3	-4	-2	-7	-7	-13	-21	-28	-19	1	3	5	5	5	5	5	5
340	-2	-1	-1	0	1	0	-1	-2	-3	-6	-8	-10	-22	-43	-30	-15	1	3	5
350	0	4	3	2	0	1	-1	-6	-9	-8	-11	-13	-26	-43	-50	-10	0	3	5