NBS

Technical Note

No. 18-17

QUARTERLY RADIO NOISE DATA DECEMBER, 1962; JANUARY, FEBRUARY, 1963

W. Q. CRICHLOW, R. T. DISNEY, AND M. A. JENKINS

U. S. DEPARTMENT OF COMMERCE
NATIONAL BUREAU OF STANDARDS

THE NATIONAL BUREAU OF STANDARDS

The National Bureau of Standards is a principal focal point in the Federal Government for assuring maximum application of the physical and engineering sciences to the advancement of technology in industry and commerce. Its responsibilities include development and maintenance of the national standards of measurement, and the provisions of means for making measurements consistent with those standards; determination of physical constants and properties of materials; development of methods for testing materials, mechanisms, and structures, and making such tests as may be necessary, particularly for government agencies; cooperation in the establishment of standard practices for incorporation in codes and specifications; advisory service to government agencies on scientific and technical problems; invention and development of devices to serve special needs of the Government; assistance to industry, business, and consumers in the development and acceptance of commercial standards and simplified trade practice recommendations; administration of programs in cooperation with United States business groups and standards organizations for the development of international standards of practice; and maintenance of a clearinghouse for the collection and dissemination of scientific, technical, and engineering information. The scope of the Bureau's activities is suggested in the following listing of its four Institutes and their organizational units.

Institute for Basic Standards. Electricity. Metrology. Heat. Radiation Physics. Mechanics. Applied Mathematics. Atomic Physics. Physical Chemistry. Laboratory Astrophysics.* Radio Standards Laboratory: Radio Standards Physics; Radio Standards Engineering.** Office of Standard Reference Data.

Institute for Materials Research. Analytical Chemistry. Polymers. Metallurgy. Inorganic Materials. Reactor Radiations. Cryogenics.** Office of Standard Reference Materials.

Central Radio Propagation Laboratory.** Ionosphere Research and Propagation. Troposphere and Space Telecommunications. Radio Systems. Upper Atmosphere and Space Physics.

Institute for Applied Technology. Textiles and Apparel Technology Center. Building Research. Industrial Equipment. Information Technology. Performance Test Development. Instrumentation. Transport Systems. Office of Technical Services. Office of Weights and Measures. Office of Engineering Standards. Office of Industrial Services.

---

* NBS Group, Joint Institute for Laboratory Astrophysics at the University of Colorado.
** Located at Boulder, Colorado.

NATIONAL BUREAU OF STANDARDS

Technical Note 18-17

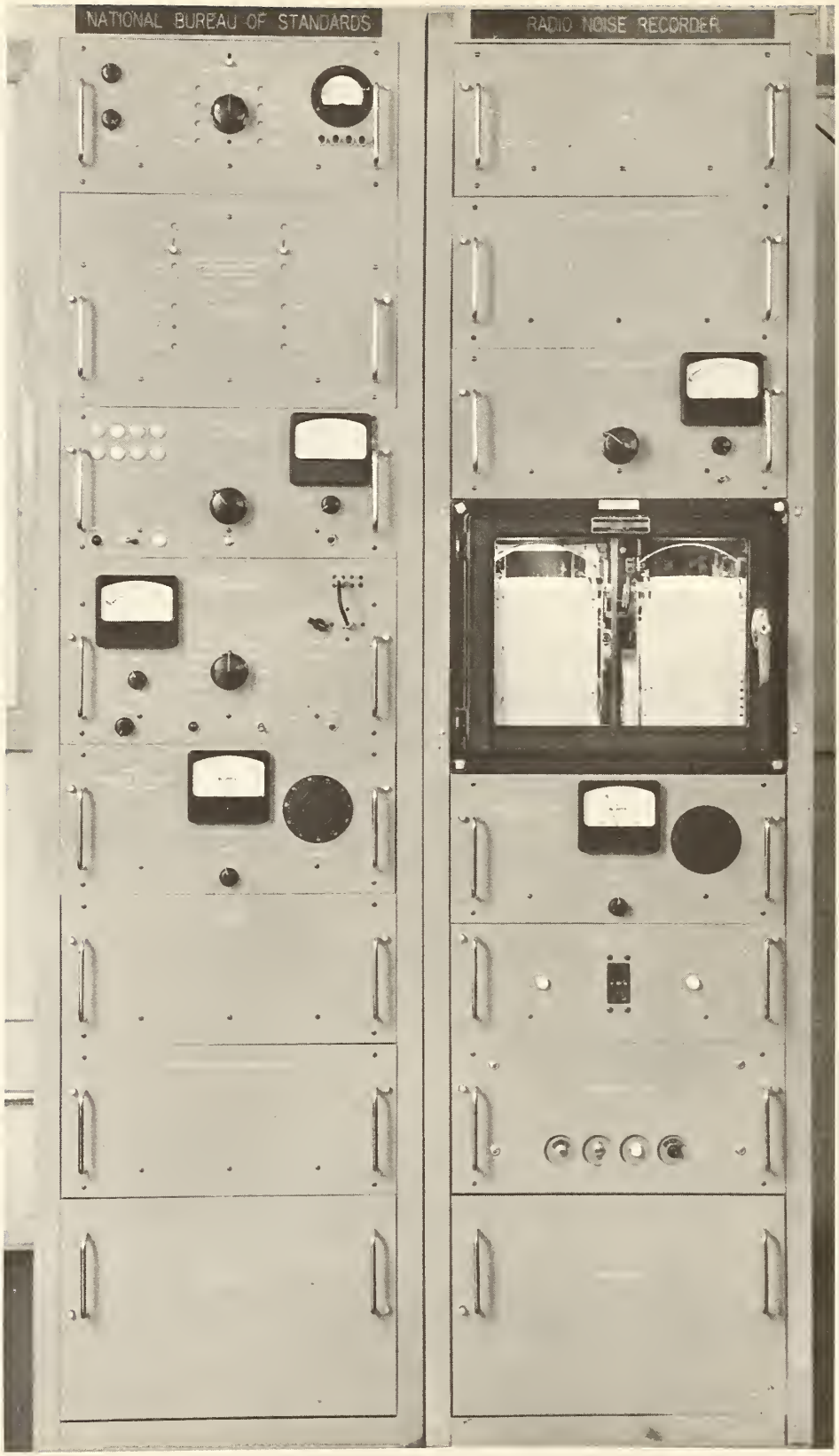
Issued May 21, 1964

QUARTERLY RADIO NOISE DATA
DECEMBER, 1962; JANUARY, FEBRUARY, 1963

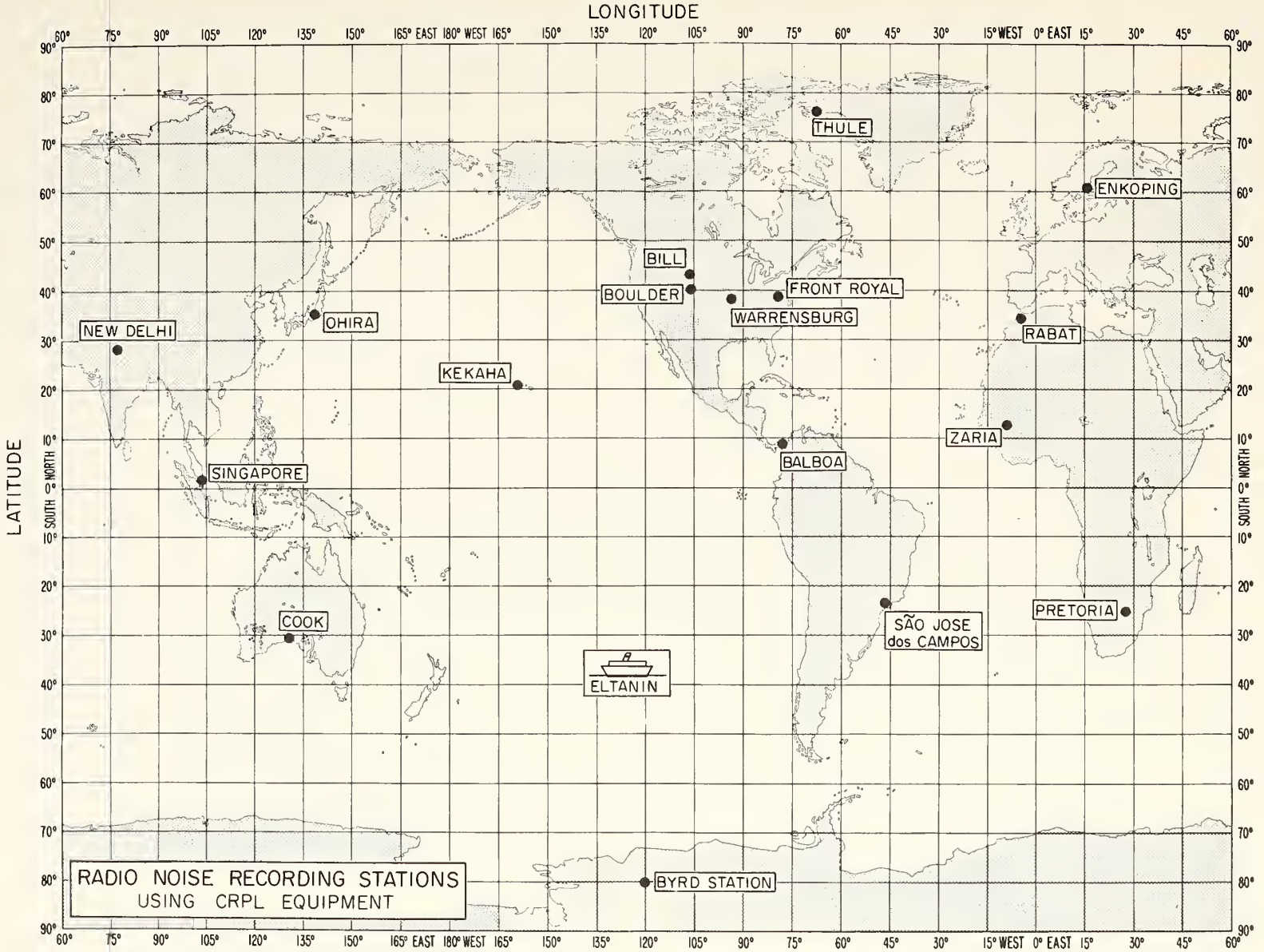
W. Q. Crichlow, R. T. Disney, and M. A. Jenkins
Central Radio Propagation Laboratory
National Bureau of Standards
Boulder, Colorado

For sale by the Superintendent of Documents, U. S. Government Printing Office
Washington, D.C. 20402
Price: 50¢

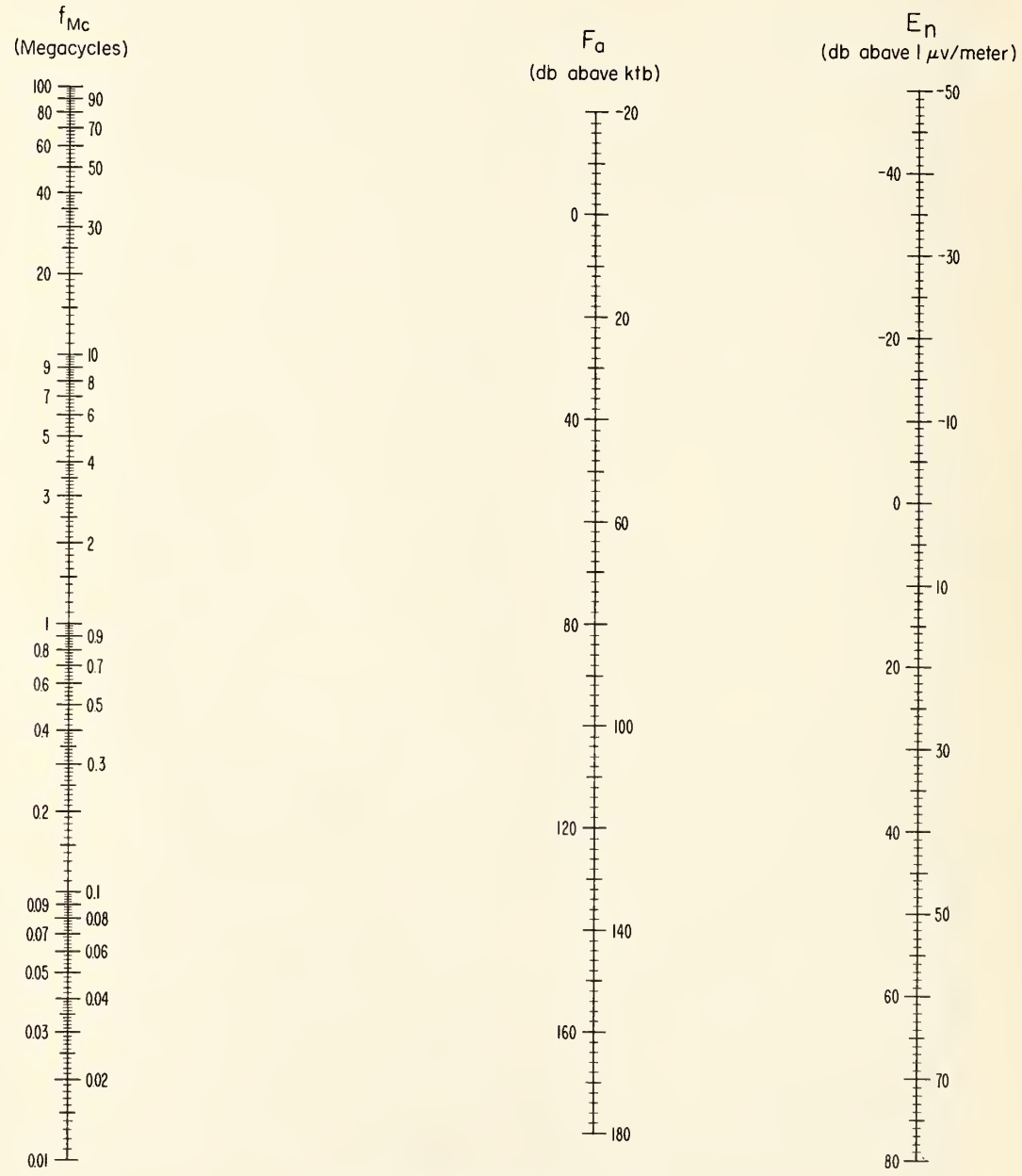
Radio Noise Recording Station



ARN-2 Atmospheric Radio Noise Recorder


LONGITUDE
LATITUDE
60° 75° 90° 105° 120° 135° 150° 165° EAST 180° WEST 165° 150° 135° 120° 105° 90° 75° 60° 45° 30° 15° WEST 0° EAST 15° 30° 45° 60°
90° 80° 70° 60° 50° 40° 30° 20° 10° SOUTH 0° NORTH 10° 20° 30° 40° 50° 60° 70° 80° 90°
THULE
ENKOPING
BILL
BOULDER
FRONT ROYAL
WARRENSBURG
RABAT
NEW DELHI
OHIRA
KEKAHA
ZARIA
BALBOA
SINGAPORE
PRETORIA
COOK
SÃO JOSE dos CAMPOS
ELTANIN
BYRD STATION
RADIO NOISE RECORDING STATIONS
USING CRPL EQUIPMENT

NOMOGRAM FOR TRANSFORMING EFFECTIVE ANTENNA NOISE FIGURE TO NOISE FIELD STRENGTH AS A FUNCTION OF FREQUENCY



$$E_n = F_a + 20 \log_{10} f_{Mc} - 65.5$$

F_a = Effective Antenna Noise Figure = External Noise Power Available from an Equivalent Short, Lossless, Vertical Antenna in db Above ktb.

E_n = Equivalent Vertically Polarized Ground Wave R.M.S. Noise Field Strength in db Above 1 μv/meter for a 1 kc Bandwidth.

f_{Mc} = Frequency in Megacycles.

Quarterly Radio Noise Data
December, 1962; January, February, 1963

W. Q. Crichlow, R. T. Disney, and M. A. Jenkins

Radio noise measurements are being made at eighteen stations in a world-wide network operated in a co-operative program co-ordinated by the National Bureau of Standards. The locations of these stations are shown on the map. The results of these measurements for the months December, January, and February are given in this report. Where the results for these months are not presently available, the data will be published in subsequent reports, and the data for previous months, which are now available but have not been published previously, are included. The tabulated values are based on three basic parameters of the noise; these are the mean power, the mean envelope voltage and the mean logarithm of the envelope voltage.

The noise power received from sources external to the antenna averaged over a period of several minutes is the basic parameter and can be conveniently expressed in terms of an effective antenna noise factor, f_a, which is defined by:

$$f_a = p_n/kT_o b = T_a/T_o$$

where:

p_n = noise power available from an equivalent loss-free antenna (watts)

k = Boltzman's constant = 1.38×10^{-23} joules per degree Kelvin

T_o = reference temperature, taken as 288° K

b = effective receiver noise bandwidth (c/s)

T_a = effective antenna temperature in the presence of external noise.

The antenna noise factors in this report are for a short vertical antenna over a perfectly conducting ground plane and are expressed in decibels, $F_a (= 10 \log_{10} f_a)$. This parameter is simply related to the rms noise field strength along the antenna by:

$$E_n = F_a - 95.5 + 10 \log_{10} b + 20 \log_{10} f_{Mc/s}$$

where:

E_n = rms noise field strength for bandwidth b in db above 1 μV/m

b = effective receiver noise bandwidth in c/s

$f_{Mc/s}$ = frequency in Mc/s.

The value of E_n for a 1 kc/s bandwidth can be found from the attached nomogram. It should be noted that E_n is the vertical component of the field at the antenna. It should also be noted that the rms envelope voltage is 3 db higher than the rms voltage.

The other two noise parameters tabulated are given relative to the mean power. Thus, the mean voltage and mean logarithm expressed as deviations, V_d and L_d, respectively, are in db below the mean power.

Measurements of the three parameters reported were made with the National Bureau of Standards' Radio Noise Recorder, Model ARN-2, which has an effective noise bandwidth of about 200 c/s and uses a standard 6.6294 meter (21.75') vertical antenna. A fifteen-minute recording is made on each of eight frequencies two at a time during each hour, and these fifteen-minute samples are taken as representing the noise conditions for the full hour during which they were recorded. The month-hour medians, F_{am}, V_{dm} and L_{dm} are determined from these hourly values for each of the corresponding parameters. Normally from twenty-five to thirty observations of the mean power are obtained monthly for each hour of the day and from ten to fifteen observations of the voltage and logarithm deviations. When there are fewer than fifteen observations of the mean power or seven observations of the voltage and logarithm deviations, the tabulated values are identified by an asterisk.

The upper and lower decile values of F_a are also reported in the following tabulation to give an indication of the extent of the variation of the noise power from day to day at a given time of day. These are expressed in db above and below the month-hour median, F_{am}, and designated by D_u and D_ℓ, respectively.

In addition to these month-hour values, corresponding values are tabulated for the time blocks as defined by CCIR Report 322. All recorded values for the four hours of the day and the three-month period are used to determine the median and decile values. When no data were available for one or two months of the season, it is so indicated and should be noted when considering seasonal trends.

The values presented in the tables reflect the actual measured values of radio noise. The only editing for man-made noise or station contamination of the records has been done by the station operators, and no additional attempt has been made to identify these values by systematic statistical means. These preliminary data values are presented in order to expedite dissemination of the data, and additional analyses, in which an attempt is made to eliminate contaminated data, are presented in other publications. The parameter that will first reflect any such contamination will be the logarithmic parameter, L_d. This contamination generally will cause the value of L_d to be less than it would have been had the recorded value been only atmospheric noise. In determining the amplitude-probability distribution from the three measured moments [Crichlow et al., 1960b] contaminated values of L_d may be found that will not give a solution of the amplitude-probability distribution. When this occurs, it is suggested that the measured value of L_d be ignored and the most probable value of L_d from the curve on the graph of L_d vs. V_d be used. The most probable value has been determined as the best fit for the integrated moments from over sixty measured amplitude-probability distributions of uncontaminated atmospheric radio noise. The second curve on the graph indicates the minimum value of L_d that will give an amplitude-probability distribution with a form factor described in the above reference and can, therefore, be used to determine whether the measured value or the most probable value of L_d for any value of V_d should be used.

Station clocks are set to local standard time (LST) which is taken from the time zone in which the station is located and is always an integral number of hours different than universal or Greenwich time (see table on page 5). The data from the Floating Antarctic Research Vessel, USNS Eltanin, are grouped so that a block 10° in latitude by 15° in longitude is treated as a separate station. The station clock in this case is

corrected to the LST at the center of the block. Because of this grouping, very few readings may be used to obtain the median values tabulated in some cases. If, during the month, fewer than ten readings are obtained for any one block, the decile values are not given. If data for less than three months are used in the time block summaries, this fact is noted on the summary sheet. Because of the small sample size, some caution should be exercised when using these values.

The assistance of the station operators and other personnel of the operating agencies in obtaining the data contained in this report is gratefully acknowledged. Stations in the recording network were operated by the following agencies:

NBS - Bill, Wyoming; Boulder, Colorado; Byrd Station; Front Royal, Virginia; Kekaha, Hawaii; Warrensburg, Missouri; USNS Eltanin

U.S. Army Strategic Communications Command - Balboa, C.Z.; Thule, Greenland

Postmaster General's Department (Australia) - Cook

Board of Telecommunications (Sweden) - Enköping

DSIR (Great Britain) and Ahmadu Bello University, Electrical Engineering Department, Zaria, Northern Nigeria

Ministry of Communications, Wireless Planning and Co-ordination Organization - New Delhi

Radio Research Laboratories (Japan) - Ohira

Telecommunications Research Laboratory (South Africa) - Pretoria

Institut Scientifique Cherifien (Morocco) - Rabat

Comissão Nacional des Atividades Espaciais (Brazil) - Saõ José dos Campos

Department of Scientific and Industrial Research (Great Britain) - Singapore

The following publications contain additional information on radio noise:

Clarke, C., "Atmospheric Radio-Noise Studies Based on Amplitude-Probability Measurements at Slough, England, during the International Geophysical Year," Proc. Inst. Elec. Engs., Pt. B, 109, 47, 393 (September, 1962).

Crichlow, W. Q., A. D. Spaudling, C. J. Roubique, and R. T. Disney, "Amplitude-Probability Distributions for Atmospheric Radio Noise," NBS Monograph 23 (November, 1960b).

Crichlow, W. Q., C. J. Roubique, A. D. Spaulding, and W. M. Beery (January-February, 1960) "Determination of the Amplitude-Probability Distribution of Atmospheric Radio Noise from Statistical Moments," J. Res. NBS 64D (Radio Propagation) No. 1, 49-56.

Crichlow, W. Q., "Noise Investigation at VLF by the National Bureau of Standards," Proc. IRE, 45, 6, 778 (1957).

Crichlow, W. Q., D. F. Smith, R. N. Morton, and W. R. Corliss, "Worldwide Radio Noise Levels Expected in the Frequency Band 10 Kilocycles to 100 Megacycles," NBS Circular 557, August 25, 1955.

"Report on Revision of Atmospheric Radio Noise Data," C. C. I. R. Report No. 65, VIIIth Plenary Assembly, Warsaw, 1956, (International Radio Consultative Committee, Secretariat, Geneva, Switzerland).

"World Distribution and Characteristics of Atmospheric Radio Noise, C. C. I. R. Report No. 322, Xth Plenary Assembly, Geneva, 1963, (International Radio Consultative Committee, Secretariat, Geneva, Switzerland).

Fulton, F. F. (Jr.) (May-June, 1961), "Effect of Receiver Bandwidth on The Amplitude Distribution of VLF Atmospheric Noise," J. Res. NBS 65D (Radio Propagation) No. 3, 299-304.

Horner, F., "An Investigatigation of Atmospheric Radio Noise at Very Low Frequencies," Proc. Inst. Elec. Engs., Pt. B, 103, 743 (1956).

Horner, F., "Radio Noise of Terrestrial Origin," Proc. of Commission IV on Radio Noise of Terrestrial Origin during the XIIIth General Assembly of URSI," London, September, 1960.

Spaulding, A. D., C. J. Roubique, and W. Q. Crichlow (November-December, 1962) "Conversion of the Amplitude-Probability Distribution Function for Atmospheric Radio Noise from One Bandwidth to Another," J. Res. NBS 66D (Radio Propagation) No. 6, 713-720.

Obayashi, T. (January-February, 1960), "Measured Frequency Spectra of Very-Low-Frequency Atmospherics," J. Res. NBS 64D (Radio Propagation) No. 1, 41-48.

Taylor, W. L. (September-October, 1963), "Radiation Field Characteristics of Lightning Discharges in the Bank 1 kc/s to 100 kc/s," J. Res. NBS 67D (Radio Propagation) No. 5, 539-550.

Taylor, W. L. and A. G. Jean (September-October, 1959), "Very-Low-Frequency Radiation Spectra of Lightning Discharges," J. Res. NBS 63D (Radio Propagation) No. 2, 199-204.

URSI Special Report No. 7, "The Measurement of Characteristics of Terrestrial Radio Noise," Elsevier Publishing Co. (1962).

Watt, A. D. and E. L. Maxwell, "Characteristics of Atmospheric Noise from 1 to 100 kc," Proc. IRE, 45, 6, 787 (1957).

Watt, A. D. (September-October, 1960), "ELF Electric Fields from Thunderstorms," J. Res. NBS 64D (Radio Propagation) No. 5, 425-433.

Watt, A. D., and E. L. Maxwell, "Measured Statistical Characteristics of VLF Atmospheric Radio Noise," Proc. IRE, 45, 1, 55 (1957).

Watt, A. D., R. M. Coon, E. L. Maxwell, and R. W. Plush, "Performance of some Radio Systems in the Presence of Thermal and Atmospheric Noise," Proc. IRE, 46, 12, 1914 (1958).

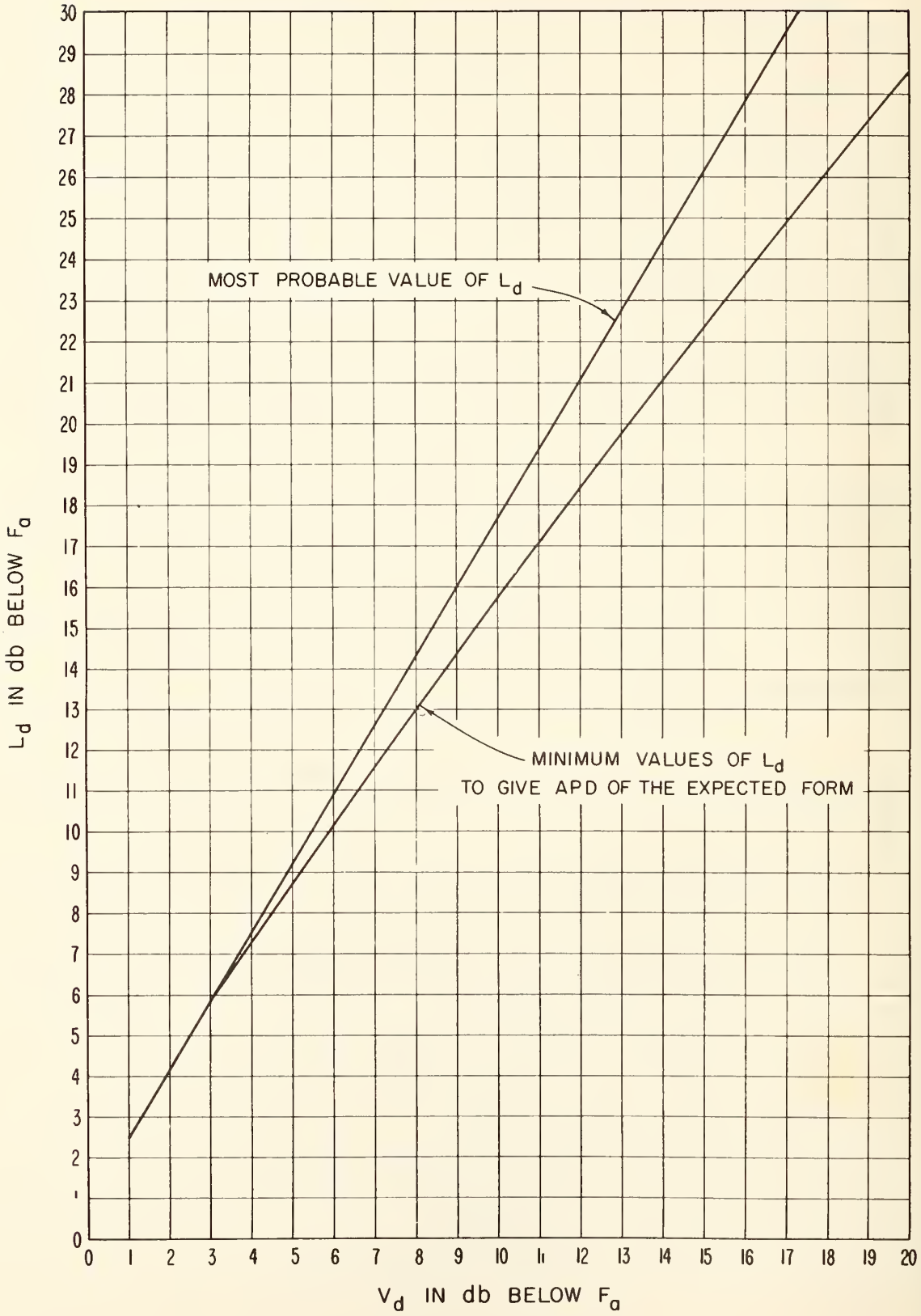
Data included in this report and the standard time for each station are as follows:

Station	Data	Time Zone	To Convert LST to GMT (hours)
Balboa	December, January, February 1962-63	75 W	+05
Bill	December, January, February 1962-63	105 W	+07
Boulder	December, January, February 1962-63	105 W	+07
Byrd Station	October 1962	120 W	-09
Cook	December, January, February 1962-63	135 E	-09
USNS Eltanin	December, January, February 1962-63		
Enköping	December, January, February 1962-63	15 E	-01
Front Royal	December, January, February 1962-63	75 W	+05
Ibadan	November 1959	GMT	0
	December, January, February 1959-60		
	March, April, May, July 1960		
Kekaha	December, January, February 1962-63	150 W	+10
New Delhi	October, November 1962	75 E	-05
	December, January, February 1962-63		
Ohira	December, January, February 1962-63	135 E	-09
Pretoria	December, January, February 1962-63	30 E	-02
Rabat	September(Correction sheet) 1962	GMT	0
Singapore	December, January, February 1962-63	105 E	-07
Warrensburg	November 1962	90 W	+06
	December, January, February 1962-63		

Previous data from the World-Wide Network have been published in the following Technical Note 18 series:

18-1 July 1, 1957 - December 31, 1958
18-2 March, April, May 1959
18-3 June, July, August 1959
18-4 September, October, November 1959
18-5 December, January, February 1959-60
18-6 March, April, May 1960
18-7 June, July, August 1960
18-8 September, October, November 1960
18-9 December, January, February 1960-61
18-10 March, April, May 1961
18-11 June, July, August 1961
18-12 September, October, November 1961
18-13 December, January, February 1961-62
18-14 March, April, May 1962
18-15 June, July, August 1962
18-16 September, October, November 1962

MOST PROBABLE AND MINIMUM VALUES OF L_d VERSUS V_d
FOR ATMOSPHERIC RADIO NOISE



MONTH-HOUR VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0N Long. 79.5W Month December 19 62

Frequency (Mc)

Hour (LST)	.013 F_{om}	.013 D_u	.013 D_ℓ	.013 V_{dm}	.013 L_{dm}	.051 F_{am}	.051 D_u	.051 D_ℓ	.051 V_{dm}	.051 L_{dm}	.160 F_{am}	.160 D_u	.160 D_ℓ	.160 V_{dm}	.160 L_{dm}	.495 F_{om}	.495 D_u	.495 D_ℓ	.495 V_{dm}	.495 L_{dm}
00	153	6	4	12.0	17.0	134	8	8	*11.0	*17.0	114	11	4	*10.0	*16.0	95	6	4	8.0	13.0
01	155	7	5	10.0	17.0	134	8	9	11.0	17.5	115	8	7	*8.0	*14.0	97	5	8	6.5	13.0
02	157	4	6	10.5	17.5	132	13	6	11.5	18.0	114	12	8	10.0	15.5	95	11	7	6.5	14.5
03	155	10	4	10.5	16.0	132	12	6	10.0	16.0	113	11	7	*8.5	*16.5	95	8	8	7.0	15.0
04	155	8	2	8.5	14.5	133	11	5	9.0	14.0	113	11	8	*10.0	*18.0	93	10	8	7.5	16.0
05	155	10	3	*9.5	*15.5	132	13	6	10.0	16.5	110	16	12	*10.5	*18.5	85	18	10	*7.0	*13.0
06	155	9	4	9.5	16.0	128	14	4	10.0	15.0	102	23	13	*11.0	*19.0	75	26	10	*11.0	*19.5
07	153	8	4	9.0	15.0	122	21	5	9.5	16.0	90	35	12	*12.0	*20.0	71	31	7	*15.5	*26.0
08	151	13	4	10.0	16.5	119	25	9	12.5	19.0	88	37	12	11.0	18.0	73	31	8	*12.0	*22.0
09	151	14	6	11.0	17.5	120	24	14	12.5	20.0	90	34	12	12.0	20.0	75	26	10	*7.0	*13.0
10	152	11	5	12.0	17.5	120	22	10	13.0	19.0	91	34	15	*14.0	*21.0	71	29	8	*10.0	*17.0
11	153	12	4	11.5	17.0	124	20	14	11.5	18.5	92	33	10	*10.5	*18.0	73	27	10	*7.5	*12.0
12	155	7	4	10.0	16.0	128	13	12	*13.0	*19.0	96	26	14	*7.0	*13.5	73	18	9	*12.0	*18.5
13	156	7	5	10.5	16.5	128	12	10	10.0	15.0	98	27	12	*11.5	*18.5	71	24	5	*10.0	*19.0
14	157	7	3	9.5	15.0	130	16	8	*10.0	*15.0	98	28	10	*11.0	*17.0	75	22	8	*9.0	*17.0
15	157	5	3	10.0	15.5	128	16	6	*10.0	*15.0	96	30	8	10.0	18.0	79	29	10	*7.5	*15.0
16	157	8	6	12.0	17.5	128	12	8	12.5	18.0	98	21	9	*11.0	*17.5	77	13	8	*8.0	*13.0
17	154	6	4	11.0	17.0	128	9	8	15.0	20.0	102	16	10	*9.0	*15.0	83	11	7	*7.5	*12.5
18	153	6	6	12.0	17.5	128	12	6	11.0	17.5	110	10	7	9.0	15.0	93	7	6	7.0	12.5
19	153	8	5	13.0	19.0	128	12	5	10.5	15.5	110	12	7	11.0	16.0	95	5	6	7.5	13.0
20	153	7	5	13.5	19.0	132	8	8	10.0	16.0	111	10	7	10.0	16.0	95	6	5	7.5	13.5
21	153	6	6	13.0	18.5	132	9	6	10.5	16.0	112	10	6	*10.0	*18.0	96	6	6	*7.0	*13.0
22	153	6	4	*13.0	*20.0	132	8	7	10.0	16.0	112	11	4	10.0	16.5	96	8	7	*7.0	*12.0
23	153	8	4	12.5	18.5	131	10	5	9.0	14.0	112	11	5	9.5	16.5	95	9	6	7.5	13.5

Hour (LST)	2.5 F_{am}	2.5 D_u	2.5 D_ℓ	2.5 V_{dm}	2.5 L_{dm}	5 F_{am}	5 D_u	5 D_ℓ	5 V_{dm}	5 L_{dm}	10 F_{am}	10 D_u	10 D_ℓ	10 V_{dm}	10 L_{dm}	20 F_{om}	20 D_u	20 D_ℓ	20 V_{dm}	20 L_{dm}
00	59	13	4	*5.0	*9.5	50	8	2	5.5	9.5	40	6	7	3.5	5.5	21	4	0	*2.0	*3.5
01	59	12	4	*5.0	*9.0	49	6	1	5.0	8.5	38	10	6	2.5	4.0	21	2	0	*1.5	*2.0
02	61	9	7	*5.5	*10.0	50	7	4	4.0	8.0	36	10	6	2.5	4.0	21	2	0	*2.0	*4.0
03	59	13	6	*6.0	*11.0	48	6	3	*3.0	*7.0	34	12	4	2.5	4.5	21	3	0	1.5	3.0
04	59	10	6	*6.0	*11.0	48	3	4	*4.0	*7.5	34	9	5	3.0	5.0	23	1	2	2.0	3.5
05	57	14	6	*7.0	*13.0	48	8	3	*7.5	*13.0	36	9	6	*3.0	*5.0	23	1	2	2.0	2.5
06	54	5	8	*8.0	*14.0	56	8	9	*4.5	*9.0	44	4	8	*3.0	*7.0	23	2	2	*2.0	*2.5
07	45	14	10	*8.0	*13.5	48	9	7	*4.0	*8.0	44	4	9	*2.5	*5.0	23	3	2	*4.5	*6.0
08	37	15	6	*7.0	*9.0	40	8	6	*6.0	*8.5	39	6	5	2.5	4.5	25	3	4	2.0	3.0
09	33	18	4	*4.0	*6.0	34	10	3	*4.0	*6.5	38	3	8	2.5	5.5	25	2	2	3.0	4.5
10	34	16	4	*1.5	*3.0	34	8	4	*3.0	*5.5	38	3	10	*3.5	*6.0	25	4	4	3.5	5.0
11	33	17	4	*8.0	*10.0	30	11	3	*2.5	*4.0	36	3	9	*2.5	*5.0	25	2	4	*2.0	*3.0
12	33	11	4	*2.0	*3.0	30	10	4	*3.0	*4.5	36	4	10	2.0	5.0	25	4	2	*3.0	*5.0
13	33	12	4	*2.0	*3.0	32	10	2	*3.0	*5.5	36	6	6	*3.0	*4.5	25	3	2	3.0	5.0
14	33	10	4	*2.0	*3.0	34	15	6	3.5	7.0	39	5	7	*3.0	*6.0	27	4	4	3.0	5.0
15	37	19	5	*4.5	*8.0	40	13	8	*5.5	*10.5	42	5	6	*2.5	*5.0	28	5	5	3.0	4.0
16	39	19	4	*8.0	*11.0	48	5	4	*6.0	*11.0	46	2	6	*3.5	*6.0	27	2	4	4.0	5.5
17	49	10	7	*7.5	*13.0	55	7	7	*5.0	*7.5	46	3	8	*3.0	*6.0	25	1	4	3.0	4.5
18	55	11	8	*5.5	*9.0	56	9	6	*5.0	*9.0	42	4	6	3.0	6.0	23	4	2	2.0	3.0
19	57	9	6	*8.5	*13.5	58	6	8	*5.5	*10.0	40	6	6	3.0	5.0	23	2	2	2.0	3.0
20	59	9	8	8.0	11.5	58	7	10	*4.0	*6.0	37	7	5	3.5	6.0	21	3	0	2.5	4.0
21	59	8	4	6.0	10.0	58	7	10	*2.0	*5.0	37	7	4	3.0	5.0	21	3	0	*3.0	5.0
22	59	10	7	6.0	10.0	50	10	2	*2.5	*8.0	38	7	5	3.5	5.0	21	3	0	*2.0	2.5
23	59	12	4	5.5	9.0	50	8	2	3.5	7.0	38	5	4	*3.5	*6.0	22	3	1	*2.5	3.5

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-BL

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0N Long. 79.5W Month January 19 63

Hour (LST)	Frequency (Mc)																																							
	.013					.051					.160					.495					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	153	4	6	10.0	16.0	127	8	4	8.0	13.5	112	7	10	8.0	14.0	94	6	7	6.0	10.0	59	7	7	5.0	9.0	53	3	2	4.0	7.0	40	4	6	*2.0	*4.0	23	2	1	0.5	2.0
01	153	4	6	10.5	16.0	127	11	3	9.0	15.0	112	8	8	7.5	14.5	94	7	9	7.5	12.5	59	8	4	6.5	11.5	53	3	3	4.5	8.0	42	8	8	*2.5	*4.0	24	0	2	2.0	3.0
02	153	6	4	11.0	16.0	129	8	7	10.0	16.0	112	7	12	10.0	16.5	94	6	10	7.0	12.0	61	8	7	6.0	12.0	52	3	3	3.0	7.0	38	13	4	*2.0	*4.0	24	1	2	2.0	3.0
03	153	5	5	10.5	16.0	131	7	9	10.0	16.0	112	7	13	9.0	16.0	94	7	10	8.0	14.0	60	8	7	6.5	13.0	52	1	5	3.5	7.5	34	6	4	*2.0	*3.5	24	1	2	1.5	3.0
04	154	5	5	11.5	16.5	131	6	6	11.0	17.0	112	8	16	10.0	17.0	94	6	11	10.0	18.0	60	8	8	5.5	11.0	50	3	4	4.5	8.0	32	6	2	*2.0	*3.0	24	2	1	1.0	2.5
05	158	1	7	10.5	16.5	131	7	7	10.0	16.5	112	6	13	12.0	19.0	90	8	14	11.0	20.0	61	8	11	5.0	11.0	51	8	6	5.0	8.5	34	7	5	*2.0	*5.5	24	2	0	1.0	2.0
06	155	4	4	10.5	16.0	127	9	4	10.5	16.0	106	12	16	13.5	22.0	86	11	18	12.5	22.0	55	11	8	7.0	12.0	57	5	9	3.0	5.0	46	4	13	*4.0	*7.0	24	2	1	1.0	2.5
07	153	5	6	11.0	17.5	125	9	8	13.0	19.0	100	14	19	17.0	24.5	81	14	12	13.0	23.0	49	11	12	4.0	6.0	53	2	5	3.0	7.5	43	8	4	*3.0	*6.0	26	2	3	2.0	3.0
08	151	6	4	11.5	16.5	123	10	15	12.5	19.0	92	20	16	16.0	26.0	84	8	16	*14.0	*22.0	43	8	10	4.0	5.0	43	6	10			40	5	2	*3.0	*4.5	26	2	2	1.0	2.5
09	151	4	6	12.0	17.0	119	8	14	14.0	18.5	94	17	17	*18.0	*26.0	78	16	12	*11.0	*16.0	37	6	4	3.0	4.0	49	4	5	6.5	11.5	38	6	3	*3.0	*5.0	24	6	0	2.5	4.0
10	151	5	4	10.5	15.5	118	13	9	14.0	20.0	98	15	23	*13.0	*22.0	78	16	11	*13.5	*23.0	35	10	4	3.5	5.0	35	4	4	5.0	9.0	36	6	2	*3.5	*5.5	24	4	1	2.0	3.5
11	152	6	5	10.0	15.5	123	7	10	11.5	18.0	95	14	15	12.0	18.5	72	15	6	*8.0	*12.0	35	5	5	3.0	4.0	33	4	4	3.5	5.0	36	4	5	*4.0	*6.5	25	3	1	2.0	3.5
12	155	5	6	9.5	14.5	125	6	8	10.0	15.5	96	11	13	*10.0	*15.0	74	8	7	*9.0	*13.0	32	5	4	2.0	4.0	33	4	4	3.0	4.0	36	5	4	*3.0	*5.0	26	5	2	4.0	6.0
13	157	3	7	9.0	13.5	127	4	10	9.0	14.0	98	12	11	*8.0	*12.5	74	15	8	*15.0	*24.0	33	7	4	2.0	3.5	33	6	3	4.0	5.0	39	4	6	*2.5	*5.0	28	2	4	3.5	5.5
14	157	4	6	9.0	14.0	127	8	9	9.0	14.5	98	14	11	7.5	12.5	74	21	6	*14.0	*21.5	33	11	4	2.0	3.8	35	7	4	3.5	5.5	42	4	6	*3.0	*5.0	28	2	4	4.0	5.0
15	157	5	5	9.0	13.0	127	6	9	10.0	15.0	98	16	9	9.5	15.0	80	16	10	*11.0	*17.5	35	11	3	3.0	5.0	39	7	2	3.5	6.5	44	4	6	2.5	4.5	28	2	4	3.5	4.5
16	157	5	6	9.0	14.5	127	10	10	12.0	17.5	100	14	11	9.0	15.0	81	11	11	*12.0	*17.0	41	10	7	3.0	4.0	49	4	7	4.0	8.5	46	6	4	*3.0	*5.0	28	2	5	3.0	4.5
17	155	6	6	11.5	17.0	125	9	8	14.5	19.5	100	12	10	11.0	17.5	85	13	8	7.5	14.0	49	9	10	8.0	12.5	53	4	4			46	7	4	*2.5	*5.0	26	2	2	3.0	4.0
18	153	5	8	12.5	18.5	127	9	10	10.0	16.5	108	10	8	9.0	16.0	92	8	6	7.0	10.5	57	4	12	7.0	10.5	53	6	2	3.0	6.0	40	10	2	*2.5	*4.0	24	3	3	2.5	3.5
19	153	6	7	11.5	17.5	127	9	4	10.0	15.0	110	8	8	9.0	15.5	94	7	8	5.0	9.0	59	5	5	6.5	11.5	57	4	7	4.5	8.0	38	6	5	2.5	4.5	24	1	2	2.0	3.0
20	153	4	8	11.5	17.0	127	11	7	10.0	15.0	109	9	7	8.0	13.0	94	8	6	6.5	12.0	59	4	5	6.0	10.0	57	5	7	3.0	5.5	36	6	4	*2.0	*4.0	22	2	0	1.5	3.0
21	153	4	6	11.0	16.5	127	9	7	9.5	15.0	112	8	10	8.0	14.0	96	4	9	6.0	10.0	59	7	5	5.5	9.0	59	4	7	5.5	10.0	38	5	7	*2.5	*4.0	22	2	0	1.5	3.0
22	153	4	7	11.5	17.0	131	4	11	9.0	14.0	114	4	10	8.0	13.0	94	6	7	5.5	10.0	59	4	6	6.0	10.0	53	4	4	4.0	6.0	36	6	2	*2.0	*4.5	22	2	0	1.0	2.0
23	151	6	5	10.5	16.0	129	6	7	9.0	14.0	112	6	9	7.5	13.0	94	7	8	5.5	9.5	59	6	5	5.0	9.5	53	3	3	4.5	8.0	38	7	4	2.5	4.5	22	2	0	3.0	4.0

F_{am} = median value of effective antenna noise in db abave ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviatian af average voltage in db below mean power
L_{dm} = median deviotion of average lagarithm in db belaw mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0N Long. 79.5W Month February 1963

Frequency (Mc)

Hour (LST)	.013 Fam	Du	Dℓ	Vdm	Ldm	.051 Fam	Du	Dℓ	Vdm	Ldm	.160 Fam	Du	Dℓ	Vdm	Ldm	.495 Fam	Du	Dℓ	Vdm	Ldm
00	155	4	6	11.0	16.0	133	8	7	9.5	15.0	113	9	5	8.0	15.5	96	8	6	8.5	16.0
01	155	4	6	9.5	14.5	132	9	6	10.5	15.0	113	9	6	9.0	17.0	96	8	6	7.5	14.5
02	155	4	4	9.5	13.5	131	8	3	10.5	16.0	114	6	7	11.0	17.0	98	6	6	8.5	15.0
03	156	3	5	9.0	13.5	131	8	4	9.5	15.5	113	8	6	8.0	15.0	97	7	7	*9.0	*16.0
04	157	2	4	9.5	14.5	133	6	6	10.5	15.0	113	8	8	10.0	17.5	97	5	7	9.0	18.0
05	157	4	2	9.0	14.0	133	6	8	10.0	15.0	113	4	10	10.0	17.0	96	4	10	9.5	15.5
06	157	2	4	9.0	13.5	127	8	2	12.0	18.0	108	7	15	*10.0	*16.0	86	12	12	*16.0	*26.0
07	155	2	4	*10.0	*14.0	125	6	4	*10.0	*15.0	99	16	14	*14.0	*20.5	84	10	14	*14.5	*22.0
08	153	4	2	11.0	15.5	125	6	10	*16.0	*21.0	101	12	16	*16.0	*21.5	81	13	13	*14.5	*22.5
09	153	4	4	11.0	15.0	121	8	10	16.0	22.0	99	14	17	*15.0	*22.0	82	10	12	*17.0	*22.0
10	153	4	6	11.0	16.0	123	10	14	16.5	21.5	101	14	16	*12.0	*17.5	76	16	8	*14.0	*22.0
11	153	4	6	11.0	15.5	121	10	10	14.0	20.0	95	18	12	*12.0	*18.0	76	8	6	*15.5	*24.0
12	155	6	6	*9.5	*13.5	124	7	11	*10.5	*16.0	96	15	18	*7.0	*13.0	74	16	4	*12.5	*20.0
13	157	6	8	9.0	13.0	127	10	8	9.5	14.0	101	17	10	9.0	13.0	78	22	6	*14.0	*20.0
14	159	5	8	9.0	13.5	131	4	16	9.0	14.0	101	10	16	7.5	12.5	80	20	8	*12.5	*18.5
15	159	4	8	10.5	14.5	130	7	11	10.0	14.5	101	20	8	9.5	13.5	86	12	12	11.0	17.0
16	159	4	6	11.0	15.0	129	10	8	10.0	15.0	106	9	17	8.0	13.0	84	14	6	*11.0	*18.0
17	157	4	6	10.0	15.5	129	6	10	11.0	16.0	105	10	13	*9.0	*13.5	88	6	11	*5.0	*8.0
18	156	3	5	10.5	15.0	131	6	10	10.0	15.0	109	6	10	8.5	13.0	94	6	4	5.0	8.0
19	154	5	4	10.0	15.5	133	6	8	*8.5	*13.5	112	7	6	9.0	12.0	96	4	4	6.5	12.0
20	153	7	3	9.0	13.5	131	6	4	8.5	14.0	113	6	6	9.5	14.5	96	4	4	6.0	10.0
21	155	4	6	10.0	14.0	131	6	4	9.0	14.5	113	6	4	9.5	16.0	96	6	4	7.0	13.0
22	154	5	6	10.5	16.0	131	6	6	*9.0	*14.0	113	8	6	9.5	16.5	96	8	6	6.0	11.0
23	154	3	5	10.5	16.0	131	6	4	10.0	16.0	113	8	5	7.5	16.0	96	8	6	7.0	13.5

Hour (LST)	2.5 Fam	Du	Dℓ	Vdm	Ldm	5 Fam	Du	Dℓ	Vdm*	Ldm*	10 Fam	Du	Dℓ	Vdm	Ldm	20 Fam	Du	Dℓ	Vdm*	Ldm*
00	61	10	8	5.0	9.0	54	4	2	3.5	6.0	39	7	5	*2.0	*4.0	25	8	2	1.5	2.5
01	63	8	8	*3.0	*7.0	54	6	1	2.5	5.0	40	4	5	*3.0	*5.0	25	2	2	1.5	2.0
02	65	8	10	*5.0	*9.0	54	5	2	3.0	5.5	42	9	7	*3.0	*6.0	25	6	2	2.0	4.0
03	63	10	6	*7.0	*12.5	54	6	4	2.5	6.5	37	8	4	*2.5	*4.5	25	6	2	1.5	2.5
04	63	8	8	*3.0	*8.0	54	2	4	5.0	9.0	38	5	5	*2.0	*3.0	25	4	0	1.5	2.5
05	63	8	8	*6.0	*13.0	53	5	3	3.5	7.5	35	14	2	4.0	6.0	25	6	2	3.5	5.0
06	59	11	5	*5.5	*11.5	64	6	10			43	12	10	*3.0	*5.5	26	4	3	3.5	7.0
07	52	8	10	*5.5	*12.0	54	4	4	4.5	9.5	50	3	9	*4.0	*8.5	27	4	4	2.0	4.5
08	42	13	8	*5.0	*8.5	46	6	6	6.5	10.0	47	8	6	*2.0	*4.5	27	2	4	2.5	5.0
09	38	9	9	*0.5	*2.5	42	2	8	6.0	10.0	41	8	8	3.0	5.5	25	9	2	1.5	2.0
10	33	10	5	*5.5	*9.0	36	6	4	6.5	9.5	39	4	10	*3.0	*6.0	27	12	4	2.5	3.5
11	31	10	4	*2.5	*4.5	36	4	4	3.0	5.5	37	6	8	*3.0	*4.5	27	4	2	4.5	7.0
12	29	9	4	*4.0	*6.0	34	6	4	4.0	5.0	39	6	12	*3.0	*6.0	27	6	2	3.0	5.5
13	31	6	4	*3.0	*5.0	34	8	2	2.5	3.0	37	10	8	3.0	5.5	27	10	2	1.0	4.0
14	31	8	4	*2.5	*4.5	37	5	5	2.5	4.5	41	8	10	*4.5	*7.0	29	4	2	4.0	6.0
15	33	8	4	*2.0	*4.0	42	6	6	4.5	7.5	43	8	4	*4.5	*9.0	31	4	6	3.0	6.0
16	41	12	9	*4.0	*4.0	48	8	4	6.0	10.5	47	8	6	*2.0	*5.5	31	4	4	2.0	4.5
17	51	2	12	*7.0	*12.5	54	6	4	3.0	7.5	51	10	8	*3.5	*5.5	29	6	4	4.5	5.5
18	55	4	10	*7.5	*12.0	58	8	4	3.5	7.5	49	10	8	*3.5	*6.5	26	5	3	3.0	4.5
19	57	8	4	*2.5	*6.0	58	10	4	6.0	11.0	41	10	6	*3.0	*5.0	25	4	2	2.0	3.0
20	57	8	6	5.0	9.0	58	10	4	2.0	6.0	37	4	6	*3.5	*6.0	25	8	2	2.0	3.0
21	59	8	4	*4.0	*8.5	58	13	8	5.5	9.5	37	10	6	*3.0	*5.5	23	2	0	3.0	4.5
22	59	9	5	*4.5	*9.0	54	5	3	2.5	7.5	37	6	4	3.0	5.0	25	4	2	1.5	2.5
23	59	10	8	4.0	9.0	54	4	4	4.5	7.5	39	6	4	*3.0	*4.0	25	3	2	2.0	2.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Bill, Wyoming Lat. 43.2 N Long. 105.2 W Month December 19 62

Hour (LST)	Frequency (Mc)																																							
	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	153	4	2	9.0	15.0	126	6	4	4.0	7.5	97	8	5	8.0	15.0	81	7	6	7.0	13.0	53	4	6	4.0	7.0	49	7	5	4.5	8.0	34	14	4	1.5	3.5	25	0	2	1.5	3.0
01	155	2	4	9.0	15.0	126	7	4	4.0	7.0	97	11	4	8.5	16.0	81	8	5	8.5	14.0	51	6	4	4.0	8.0	50	6	6	4.5	8.0	35	9	5	2.0	4.0	25	0	2	1.5	2.5
02	153	4	2	9.5	15.0	126	7	4	4.0	7.0	99	9	7	9.0	14.5	79	9	6	9.0	14.5	51	7	4	4.0	7.5	49	5	5	4.0	7.5	35	11	5	1.5	3.5	25	0	2	1.5	3.0
03	153	4	2	10.0	16.0	126	5	3	3.5	7.0	97	11	4	9.0	14.5	79	8	6	9.0	14.5	51	8	4	4.5	7.5	48	6	4	3.5	7.0	35	8	4	2.0	4.0	25	0	2	1.0	3.0
04	153	4	2	11.0	17.0	128	4	6	3.5	7.0	93	10	4	10.0	15.5	77	8	8	9.0	14.0	51	7	6	3.5	6.5	50	5	6	4.0	7.0	36	9	6	2.0	4.0	25	0	1	1.5	3.0
05	153	2	4	10.5	17.0	126	6	4	3.0	6.0	92	11	7	8.5	14.0	74	7	11	9.0	14.0	49	7	6	4.0	6.5	50	5	6	4.0	6.0	36	8	5	1.0	2.5	25	1	1	1.5	3.0
06	153	2	4	11.0	17.0	126	4	5	2.5	6.0	87	9	4	7.5	12.0	64	9	7	4.0	7.0	49	6	6	4.0	7.0	48	4	6	4.0	7.0	36	5	2	2.0	4.5	25	2	0	1.5	3.5
07	153	2	4	11.0	17.0	120	4	4	2.0	6.0	78	8	7	*7.0	*11.5	57	1	4	3.0	5.0	45	7	5	4.0	6.0	46	5	4	3.0	5.0	38	4	3	3.0	5.0	25	2	0	1.5	3.0
08	151	3	4	11.0	16.5	116	8	2	2.5	6.0	69	13	4	2.0	4.0	55	4	3	2.0	4.0	33	2	6	3.0	5.0	38	4	4	4.0	6.5	36	6	2	2.5	4.5	27	2	2	1.5	3.0
09	147	6	2	11.5	17.0	112	12	12	3.0	6.0	71	14	6	1.0	2.5	55	4	3	3.0	5.0	27	5	4	2.0	4.0	30	6	4	2.0	3.5	36	6	4	3.0	5.0	29	1	2	*2.0	*3.5
10	*149			*11.0	*15.0	*112			*3.0	*6.5	*69			*2.0	*3.5	*55			1.5	4.0	*23			*1.0	*3.0	*27			*2.0	4.0	*34			*2.0	4.0	27	2	2	1.5	3.0
11	147	3	5	10.5	16.0	112	5	10	2.0	5.0	70	17	7	*2.0	*3.5	53	4	2	2.5	4.5	23	2	4	2.0	3.5	26	8	3	1.5	3.0	34	2	2	2.5	4.5	27	4	2	2.0	4.0
12	149	3	5	11.5	16.5	114	6	4	2.0	6.0	70	18	6	2.0	3.0	53	6	2	1.5	3.5	23	5	2	1.5	3.5	26	4	5	2.0	3.5	34	4	4	2.0	4.0	27	6	2	2.0	3.5
13	147	2	4	12.0	16.5	114	4	12	*2.5	*5.0	73	14	8	2.0	3.5	53	6	2	2.5	5.0	23	6	2	2.0	3.5	27	3	7	2.5	4.5	36	3	3	2.0	4.0	27	6	2	2.0	3.5
14	147	2	4	12.0	18.0	113	7	12	4.0	6.0	72	9	6	2.0	3.5	53	6	2	2.5	4.0	25	5	4	2.0	4.0	28	5	5	2.0	4.0	40	4	4	1.5	3.5	27	4	2	2.0	4.0
15	147	3	3	12.5	18.0	114	7	10	5.5	8.5	73	16	7	4.0	5.5	55	5	4	2.0	5.0	27	13	6	2.5	4.5	32	8	4	1.5	3.5	42	4	3	1.5	4.0	25	3	0	2.0	3.5
16	147	4	3	13.0	19.0	116	10	4	3.0	7.0	79	15	8	7.5	12.5	56	16	6	3.0	5.5	35	12	8	3.0	5.5	42	6	10	3.0	6.0	43	9	3	2.5	4.5	25	2	0	1.5	3.5
17	149	4	4	12.5	19.0	118	10	2	5.0	8.0	89	12	7	9.0	14.0	69	13	7	5.5	9.5	43	10	4	3.5	6.5	45	5	7	3.5	6.5	40	13	6	2.5	5.0	25	0	1	2.0	3.5
18	151	3	4	13.0	19.0	122	7	4	3.5	7.0	91	11	4	8.0	14.0	73	11	8	6.0	10.5	47	9	4	3.5	7.5	48	5	6	4.0	7.0	36	7	4	2.0	3.5	25	1	2	1.5	3.5
19	149	6	2	12.0	18.0	124	8	2	4.0	7.0	92	10	6	9.0	15.0	77	7	10	7.0	11.0	49	7	6	4.0	7.5	46	6	3	3.5	6.5	34	7	4	2.5	4.0	25	0	2	1.5	3.0
20	151	4	4	13.0	18.5	126	6	6	4.0	7.0	95	9	8	9.0	14.0	79	5	8	7.0	11.5	51	5	4	4.0	7.5	47	5	5	4.0	6.5	34	7	4	2.0	3.5	25	0	2	1.5	3.0
21	151	4	2	12.0	18.5	124	7	4	4.0	7.0	95	10	7	8.0	15.0	81	9	8	7.5	13.5	51	6	4	4.0	7.5	46	8	2	4.0	7.0	34	9	4	1.5	3.5	24	1	1	2.0	3.5
22	151	4	2	10.5	16.0	126	6	6	4.0	7.0	99	11	6	9.0	15.5	81	9	6	7.0	12.5	51	7	4	4.0	7.0	48	6	4	3.5	7.0	34	9	4	1.5	3.5	25	0	2	1.5	3.5
23	153	4	2	10.0	15.0	124	8	4	4.0	7.0	99	9	8	9.0	15.5	81	7	7	7.0	13.0	51	6	4	4.5	8.0	48	6	4	4.0	7.0	34	12	4	2.0	4.0	25	0	2	1.5	2.5

F_{am} = median value of effective antenna noise in db abave ktb
D_u = ratia of upper decile to median in db
D_ℓ = ratia of median to lower decile in db
V_{dm} = medion deviatian of average voltage in db below mean power
L_{dm} = median deviatian of overage lagarithm in db belaw mean power

USCOMM-NBS-DL

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Bill, Wyoming Lat. 43.2N Long. 105.2W Month January 1963

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}
00	154	4	2	10.0	16.0	124	6	2	3.5	7.5	97	7	8	10.5	17.5	81	6	6	6.0	9.0	52	4	5	3.0	6.5	53	3	8	3.0	7.0	38	14	8	2.0	4.0	24	0	2	1.5	2.5
01	156	2	4	10.0	16.5	126	5	4	3.0	7.0	97	6	9	10.5	17.0	79	8	8	7.0	11.0	52	5	6	3.5	6.0	52	2	6	3.5	7.0	37	14	7	1.5	3.5	24	0	2	1.0	2.5
02	154	4	2	11.0	17.0	126	4	6	4.0	7.0	97	7	8	10.0	16.0	77	10	6	7.0	12.0	52	5	4	4.0	7.0	52	4	4	3.0	6.0	38	13	8	1.5	3.5	24	2	1	1.0	2.5
03	156	2	4	11.0	17.5	126	3	4	3.0	7.0	95	9	10	8.5	15.5	77	10	8	8.0	13.0	52	6	6	4.0	7.0	52	4	4	4.0	7.0	42	12	12	1.5	3.0	24	2	0	1.0	3.0
04	156	1	4	12.0	19.0	126	3	4	3.5	7.5	95	8	8	10.0	16.0	75	9	10	8.0	12.5	51	7	5	4.0	7.0	54	2	4	3.5	7.0	39	15	9	2.0	4.0	24	2	0	1.5	3.0
05	156	2	4	12.0	18.0	124	4	2	4.0	8.0	91	8	4	10.0	16.0	73	8	11	6.0	9.5	52	6	6	3.0	6.5	54	4	4	4.0	7.0	37	13	6	2.0	4.0	24	2	0	1.5	3.0
06	154	3	2	12.0	19.0	124	4	2	3.0	7.5	89	8	6	10.0	16.0	67	9	8	5.5	7.5	52	6	7	3.5	7.0	52	4	7	3.0	7.0	39	5	5	1.0	3.0	24	2	0	1.0	2.5
07	156	1	4	12.5	19.5	118	5	3	4.5	8.5	81	6	8	7.0	11.0	57	8	2	1.5	3.0	49	5	5	4.0	8.0	50	1	5	3.5	7.0	40	4	4	2.5	4.5	24	2	0	1.5	3.0
08	152	3	2	12.5	19.0	118	3	4	2.5	6.0	69	10	3	3.0	5.0	59	5	4	2.0	4.0	34	7	2	*4.5	*7.5	42	2	5	*4.5	*7.5	38	4	4	2.0	3.5	25	1	1	1.5	3.0
09	150	4	4	11.5	18.0	110	8	4	2.5	6.5	67	14	2	3.0	5.0	59	6	6	1.5	3.0	26	9	2	1.5	3.5	32	4	6	1.5	3.0	36	4	9	2.0	4.0	26	3	3	2.0	3.5
10	149	6	4	13.0	18.5	109	9	7	2.5	7.0	67	10	4	2.5	4.5	57	4	5	2.5	4.0	26	5	4	*2.0	*4.0	30	0	8	*1.5	*3.0	36	2	8	*2.0	*3.5	26	0	2	*1.5	*3.0
11	150	4	6	10.5	17.0	112	8	6	2.0	6.0	67	14	6	2.5	5.0	57	4	4	2.5	4.0	24	6	2	1.0	3.0	26	4	4	1.5	3.0	32	6	8	2.5	4.0	26	2	2	2.0	3.5
12	150	4	6	11.0	17.0	112	8	4	2.0	6.0	69	11	5	3.5	6.0	55	6	2	2.0	4.5	24	3	4	1.5	3.0	26	2	4	2.0	3.5	34	4	6	2.0	3.0	26	2	2	1.5	3.0
13	150	4	5	11.5	17.5	112	6	4	2.5	7.0	69	12	4	3.0	5.5	59	7	4	1.5	3.5	24	4	4	1.5	3.5	26	4	5	1.5	3.0	36	8	6	2.0	4.0	26	3	2	2.0	4.0
14	148	4	4	11.0	17.5	112	5	6	2.5	7.0	67	11	2	3.5	5.0	59	4	7	1.5	3.5	24	4	4	1.5	3.5	28	5	6	1.0	3.0	40	11	5	1.5	4.0	25	3	1	1.5	3.0
15	148	4	4	12.5	18.0	110	6	6	2.5	7.0	69	7	6	3.5	6.0	57	8	4	2.0	4.0	26	4	5	1.5	3.0	33	6	5	1.5	3.5	48	8	10	1.5	4.0	24	2	0	1.0	2.5
16	148	4	5	13.0	19.5	114	3	4	2.5	6.0	75	12	8	5.5	9.0	61	6	5	2.0	4.0	30	4	3	1.5	3.0	44	5	6	2.0	4.0	46	10	9	2.5	5.0	24	2	2	1.0	2.5
17	148	6	4	12.0	18.0	118	6	4	3.5	7.5	81	16	10	6.0	9.0	64	12	5	3.0	5.0	42	5	5	3.0	5.0	48	4	4	3.0	5.5	45	9	9	2.0	3.5	24	2	2	1.5	2.5
18	150	6	6	13.0	19.5	118	7	6	3.0	6.5	85	12	9	9.0	13.0	69	13	6	4.0	6.5	46	5	9	2.5	4.5	49	5	5	2.5	5.0	36	19	4	2.0	4.0	24	0	2	1.5	2.5
19	152	4	6	13.5	20.5	122	4	5	3.0	7.0	91	6	11	7.5	13.0	75	6	9	6.0	9.0	48	5	4	2.5	5.0	50	6	4	3.0	5.0	32	6	1	2.5	4.0	24	0	2	1.5	3.0
20	152	4	5	14.0	20.5	122	3	2	3.0	7.0	93	10	10	7.5	14.0	77	11	7	6.0	10.0	50	5	4	2.5	5.5	52	8	5	3.0	6.0	34	12	4	1.5	3.0	24	0	2	1.5	3.0
21	152	5	3	13.0	19.5	124	5	4	3.5	7.0	95	8	9	9.0	15.5	79	8	5	6.0	10.5	50	7	2	2.5	5.0	52	5	6	3.0	6.0	34	12	4	1.5	3.0	24	0	2	1.5	3.0
22	154	3	4	12.0	18.5	124	5	4	3.5	8.0	97	5	6	8.5	15.0	81	6	6	6.0	10.5	52	6	4	3.0	5.0	51	4	4	3.5	6.5	34	17	4	1.5	3.5	24	0	2	1.0	3.0
23	154	4	3	12.0	18.5	124	5	3	3.0	7.0	97	7	4	10.0	16.0	81	5	4	7.0	12.0	52	5	5	3.0	6.0	52	4	7	3.5	7.0	36	15	6	1.0	3.0	24	0	2	1.0	2.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Bill, Wyoming Lat. 43.2N Long. 105.2W Month February 19 63

Hour (LST)	Frequency (Mc)																																							
	.013					.051					.160					.495					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	154	4	3	9.0	16.0	126	7	6	4.0	7.5	98	12	10	9.5	17.0	80	14	5	7.0	12.0	53	10	4	3.5	7.5	54	2	6	4.0	8.0	34	8	2	2.0	4.0	24	2	0	1.0	2.5
01	154	5	2	9.5	16.0	126	8	5	4.0	8.0	98	12	11	9.0	16.0	81	12	8	7.0	12.0	53	12	4	4.0	7.5	54	6	8	3.0	7.0	36	14	4	2.0	4.5	24	2	0	1.5	3.0
02	154	5	4	10.0	16.0	128	5	7	3.5	7.5	98	10	8	9.0	15.0	81	10	8	7.5	13.0	51	16	2	3.5	7.5	54	8	8	3.5	6.5	36	12	4	2.0	4.5	24	2	0	1.5	2.5
03	154	4	4	10.0	16.5	128	5	4	4.5	7.5	98	10	10	9.0	15.5	79	10	9	7.5	12.0	53	12	6	4.5	8.0	53	9	5	4.0	8.0	34	8	2	1.0	3.0	24	2	0	1.5	2.5
04	154	5	3	10.5	17.0	120	4	4	3.5	7.0	96	10	9	9.0	15.0	75	13	7	7.0	13.0	53	10	4	4.0	7.5	54	6	4	4.0	7.5	36	8	4	2.5	4.5	26	0	2	1.0	2.5
05	154	4	2	11.0	18.0	128	3	4	3.0	7.0	91	15	4	9.5	15.0	71	13	4	7.0	12.0	51	8	4	4.0	7.0	52	4	4	4.0	7.0	36	12	4	2.0	4.0	26	0	2	1.0	3.0
06	154	4	2	11.0	18.0	128	4	5	2.5	6.0	90	8	10	9.0	15.0	64	10	5	5.0	7.5	49	10	4	4.0	7.0	50	4	4	4.0	7.0	42	6	6	1.5	4.0	24	2	0	1.0	2.5
07	154	4	2	11.0	17.5	120	4	2	3.0	6.0	74	11	6	7.0	10.0	57	6	4	3.0	5.0	45	10	4	3.5	9.5	48	4	2	4.0	8.0	40	4	2	2.0	4.0	26	2	2	1.0	2.5
08	150	2	4	11.0	17.5	118	4	4	3.0	6.5	70	15	6	5.0	8.5	53	6	4	2.5	5.0	32	3	3	2.0	4.5	36	6	2	3.0	5.5	40	4	4	2.0	4.5	26	2	2	1.5	3.0
09	148	3	4	11.0	18.0	108	14	4	3.5	7.0	71	10	7	5.5	8.0	57	4	4	2.5	5.0	27	4	2	1.5	3.5	32	2	4	2.0	3.5	36	4	3	*2.5	*4.5	*26			1.5	3.0
10	*148			11.0	17.5	112	2	6	3.0	6.5	74	12	10	5.0	9.0	55	4	3	2.0	4.0	*26			2.0	4.0	28	4	2	*2.0	*4.0	36	2	4	2.5	4.5	26	2	1	2.0	4.0
11	148	4	4	10.5	16.0	114	4	8	3.0	6.0	72	14	8	4.0	6.5	55	4	2	2.5	4.5	25	2	2	2.0	4.0	28	4	2	2.0	4.0	36	4	4	2.5	4.5	26	2	2	2.0	4.0
12	149	5	5	10.5	16.5	114	5	6	3.0	6.0	72	10	10	4.0	6.0	55	4	2	2.5	5.0	25	2	2	2.0	4.0	28	4	2	2.0	3.5	36	4	2	2.0	4.0	26	4	2	2.0	4.0
13	150	4	8	10.5	16.0	116	5	6	2.5	6.0	72	12	6	4.5	8.0	55	6	4	2.0	5.0	25	2	4	2.0	4.0	28	6	2	2.0	3.5	38	4	4	2.0	4.0	26	4	2	2.5	4.0
14	150	4	6	11.5	17.0	114	7	6	2.0	5.5	72	12	8	3.0	5.0	57	1	4	3.0	5.0	25	2	2	1.5	4.0	30	4	2	2.0	3.5	40	8	6	2.5	5.0	26	4	2	1.0	3.0
15	148	4	5	12.0	18.0	112	7	4	2.5	5.5	70	16	5	4.0	6.5	56	3	3	2.5	5.0	27	4	3	2.0	3.5	32	7	4	1.5	3.5	44	9	5	1.5	4.0	26	1	2	1.5	3.5
16	148	4	6	13.0	19.0	114	6	6	3.0	6.5	76	11	11	5.0	10.0	59	3	4	3.0	6.0	30	5	5	2.5	5.0	40	5	4	2.0	4.0	46	9	5	2.0	4.5	24	2	2	2.0	3.5
17	148	6	6	13.0	19.0	120	3	3	3.0	6.0	86	14	10	8.5	15.0	65	13	7	5.0	8.0	31	6	4	1.0	3.5	50	4	4	2.5	5.0	43	12	3	2.5	5.0	24	0	2	1.5	3.0
18	149	5	5	12.0	18.0	122	4	4	3.0	6.5	92	12	10	9.0	16.0	70	11	5	5.0	9.0	49	4	4	3.0	6.0	52	3	4	3.5	6.0	43	6	9	2.5	4.5	24	0	2	1.5	3.0
19	150	6	4	12.5	19.0	124	6	5	3.0	6.0	90	16	9	9.5	16.0	74	10	7	6.5	10.5	51	8	4	3.0	6.0	52	3	4	3.5	6.0	36	16	4	2.5	4.5	24	0	2	1.5	3.0
20	150	6	4	12.5	19.5	124	6	3	2.5	6.0	92	10	10	9.0	16.0	77	11	7	6.0	10.0	51	9	3	3.0	6.0	52	3	4	4.0	7.0	34	5	4	2.0	3.5	24	0	2	1.5	3.0
21	152	4	5	12.5	19.0	126	4	5	2.5	5.5	92	11	8	9.5	16.0	77	13	6	6.5	10.0	52	9	3	3.0	6.0	52	4	3	3.5	7.5	34	6	4	1.5	3.5	24	0	2	1.5	3.0
22	152	6	4	10.5	17.0	126	5	5	3.0	6.0	94	14	9	10.0	17.0	79	10	6	6.0	10.5	52	7	2	3.5	6.5	52	4	3	3.5	7.0	34	7	3	1.5	3.5	24	0	2	1.0	3.0
23	154	4	4	10.0	16.0	126	6	6	3.0	6.5	96	12	9	10.0	17.5	81	9	7	8.0	13.5	53	8	2	3.0	6.5	55	4	6	2.5	5.5	34	7	2	1.5	3.5	24	0	0	1.5	3.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-DL

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1N Long. 105.1W Month December 19 62

Frequency (Mc)

Hour (LST)	.013 Fam	Du	Dℓ	Vdm	Ldm	.051 Fam	Du	Dℓ	Vdm	Ldm	.160 Fam	Du	Dℓ	Vdm	Ldm	.495 Fam	Du	Dℓ	Vdm	Ldm
00	153	2	4	10.0	15.0	121	7	3	5.0	8.0	98	8	4	8.0	15.0	81	9	5	7.0	12.5
01	153	2	4	9.0	14.5	124	5	7	4.5	7.5	98	11	6	9.0	16.0	79	11	4	7.0	13.0
02	153	2	4	10.0	16.0	125	6	8	4.0	7.0	95	14	3	8.5	15.0	77	13	2	7.0	13.0
03	151	4	2	11.0	16.0	125	6	4	3.0	7.0	94	14	5	9.5	16.0	75	13	4	8.5	14.5
04	151	3	2	10.5	17.0	125	4	8	3.0	6.5	90	12	4	8.0	13.0	75	10	7	9.5	13.5
05	151	3	3	10.5	16.0	121	7	4	3.0	6.0	88	13	6	9.5	12.5	73	11	9	5.0	7.0
06	149	5	0	11.5	17.5	120	5	3	3.0	6.5	82	11	4	6.5	10.0	65	6	2	3.5	5.5
07	151	2	4	11.0	16.5	117	7	2	3.5	6.0	76	6	6	3.0	5.0	63	3	4	2.5	4.5
08	147	4	2	11.5	18.0	113	11	4	3.0	6.5	74	7	4	2.0	4.0	63	2	3	2.0	4.5
09	147	4	2	11.0	17.0	111	9	10	*4.0	*7.0	74	12	4	2.0	4.0	63	3	4	2.0	4.0
10	147	4	3	10.5	17.0	109	8	10	3.0	6.0	77	13	6	2.5	4.0	63	3	5	2.5	5.0
11	147	4	2	11.0	17.0	109	10	10	3.0	6.5	76	10	4	3.0	5.0	63	2	4	2.0	4.5
12	147	2	2	11.0	16.5	109	9	7	2.5	5.5	76	8	6	2.5	4.0	63	4	4	2.0	3.5
13	147	2	2	10.0	15.5	109	10	6	3.0	6.0	76	11	4	2.5	3.5	63	4	2	2.0	3.5
14	147	2	3	11.0	16.5	109	12	9	4.0	7.5	76	14	4	3.0	5.0	63	2	2	2.5	4.0
15	145	4	2	12.0	16.0	110	11	7	6.0	8.5	78	8	6	2.5	5.0	65	2	6	2.0	3.5
16	147	3	3	12.5	18.0	115	10	6	4.5	8.0	83	16	9	6.0	8.0	65	6	4	3.5	6.0
17	147	4	3	12.0	17.5	117	8	3	4.0	8.0	89	14	7	8.5	14.0	71	11	6	6.5	10.0
18	149	3	4	12.5	18.5	119	8	6	5.0	7.5	92	12	6	9.0	15.0	75	13	6	6.0	10.5
19	147	6	1	12.5	18.5	120	9	3	4.0	7.5	92	11	6	10.0	15.0	79	6	8	6.0	10.5
20	149	5	2	12.0	19.0	121	8	2	4.0	8.0	94	12	8	10.5	15.0	79	10	4	7.0	11.5
21	149	4	2	12.5	18.0	121	8	4	6.0	9.5	94	12	6	9.0	13.0	79	12	4	6.0	11.5
22	151	2	4	10.5	16.5	121	5	5	5.0	8.5	98	9	8	8.5	14.0	81	10	7	6.5	12.0
23	151	4	2	10.5	15.5	123	6	8	4.0	8.0	98	7	5	9.0	13.0	81	7	6	7.0	12.0

Hour (LST)	2.5 Fam	Du	Dℓ	Vdm	Ldm	5 Fam	Du	Dℓ	Vdm	Ldm	10 Fam	Du	Dℓ	Vdm	Ldm	20 Fam	Du	Dℓ	Vdm	Ldm
00	54	5	5	3.5	6.0	51	5	5	4.0	6.5	35	10	5	*2.0	*4.0	23	0	0	1.0	2.5
01	54	5	6	2.5	5.0	51	4	5	*4.0	*7.0	37	8	7	*1.5	*4.0	23	0	0	1.0	3.0
02	52	7	3	3.0	5.5	49	5	4	4.0	7.5	37	6	8	1.0	4.0	23	0	0	1.0	2.5
03	53	6	3	2.5	5.0	50	6	4	3.5	6.5	35	8	6	*1.5	*3.5	23	2	0	0.5	2.5
04	53	6	3	2.5	5.0	50	6	3	*3.5	*6.0	36	9	7	1.5	3.5	23	2	0	1.0	2.5
05	52	4	2	3.0	5.5	50	7	4	4.5	7.0	35	7	4	1.5	4.0	23	2	0	2.0	3.0
06	52	4	5	2.0	4.0	47	4	5	4.0	6.0	38	5	5	*3.0	*5.5	23	2	0	2.0	3.5
07	48	6	3	2.5	4.0	45	4	4	3.0	6.0	37	4	2	*3.0	*5.5	25	2	2	2.0	3.5
08	49	3	5	2.0	3.5	41	2	6	2.0	4.5	37	4	3	*4.0	*6.0	25	2	2	2.0	4.0
09	48	4	6	2.0	4.0	41	2	8	*1.5	*4.0	35	6	2	*4.0	*7.0	25	5	1		
10	50	4	10	*2.0	*3.5	41	3	7	2.0	4.5	35	2	4	*3.0	*5.0	25	7	1	*3.0	*6.0
11	50	6	8	2.0	3.5	39	4	4	2.0	4.5	35	4	4	*2.0	*4.5	27	8	2	*2.0	*4.0
12	50	6	7	*2.0	*4.0	41	4	4	2.5	4.5	35	4	4	*5.0	*4.0	29	6	4	*2.0	*4.0
13	50	7	5	2.0	4.0	41	4	4	*2.0	*4.0	37	4	5	*3.0	*7.0	31	8	6	*4.0	*6.5
14	50	8	5	2.0	3.5	41	4	2	2.0	4.0	41	2	4	*3.5	*5.5	31	5	6	4.0	6.5
15	50	7	4	*2.0	*4.0	43	4	4	3.5	5.5	43	4	4	*2.5	*5.5	27	10	2	*1.5	*3.5
16	50	5	3	2.0	4.5	45	4	4	3.0	6.0	45	4	4	*2.0	*6.0	25	1	2	*2.0	*4.0
17	52	4	4	3.0	5.0	47	4	3	3.0	6.0	43	8	8	3.5	6.5	25	0	2	2.0	3.5
18	52	5	2	2.0	4.5	49	4	2	3.5	6.0	37	9	6	*3.0	*5.5	23	2	0	1.0	3.5
19	54	4	4	3.0	4.5	49	3	3	3.5	6.5	35	7	4	*3.0	*6.0	23	2	0	1.5	3.0
20	56	10	6	3.0	5.0	49	6	5	*4.0	*7.0	35	10	5	2.5	5.0	23	0	0	1.0	3.0
21	54	4	4	3.5	7.5	51	2	6	3.0	6.5	33	10	2	*1.5	*4.0	23	0	0	1.0	2.5
22	54	4	4	3.0	5.0	49	6	4	3.5	6.5	35	9	6	2.0	3.5	23	0	0	1.0	3.0
23	54	4	4	2.5	5.0	49	6	4	4.0	7.0	35	14	5	2.0	4.0	23	0	0	1.0	3.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1N Long. 105.1W Month January 1963

Hour (LST)	Frequency (Mc)																																							
	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm
00	*154			9.5	15.0	122			3.0	6.0	*97			6.5	12.0	*80			5.0	8.0	58	2	6	4.0	6.0	53	5	4	3.5	6.5	42	11	10	*2.5	*5.0	23	0	2	2.0	3.5
01	*154			9.5	14.5	122			4.0	6.5	*95			7.5	13.0	*79			4.5	8.5	56	4	4	*3.5	*7.0	53	4	4	3.0	6.5	40	12	8	2.5	5.0	23	0	2	1.5	3.0
02	*154			10.0	15.5	122			4.0	6.5	93	6	2	7.0	12.5	77	16	6	5.0	9.0	54	6	2	*3.5	*7.0	53	4	4	5.0	7.5	44	7	12	3.0	5.5	23	0	2	1.5	3.0
03	*154			9.5	16.0	121			5.0	8.0	93	6	6	6.5	13.0	*73			5.0	9.0	56	6	4	*3.0	*5.0	53	5	4	4.0	7.5	44	9	12	*3.0	*5.0	23	0	2	1.5	3.0
04	*153			11.0	17.0	122			4.0	6.5	91	4	8	7.5	12.5	*75			3.5	7.0	56	6	4	*3.5	*5.5	55	2	5	2.5	6.0	45	10	9	*3.0	*6.0	23	0	2	1.5	3.0
05	*152			11.0	17.0	121			4.0	8.0	*85			6.5	11.5	*74			3.5	5.5	56	6	6	*3.0	*5.5	53	4	4	5.0	9.0	40	8	8	*2.5	*4.5	23	2	2	*1.0	*2.0
06	*154			11.0	17.0	118			3.5	6.0	*83			7.0	11.0	*65			*1.5	*4.0	56	6	6	3.0	5.5	51	6	5	4.5	7.5	40	6	6	*5.5	*8.0	23	3	1	*1.0	*2.5
07	*154			11.5	18.0	118			2.5	7.0	*76			5.0	8.0	*63			*2.5	*4.5	54	6	6	*2.0	*4.0	51	2	6	3.5	6.0	42	2	6	*3.0	*6.0	23	2	0	*1.0	*2.5
08	*151			10.0	16.0	114			3.0	5.5	*71			2.0	4.0	*64			1.5	3.5	50	8	2	1.5	3.5	41	6	1	2.0	4.0	40	4	4	*2.5	*5.0	23	2	0	*1.0	*3.0
09	*148			10.0	15.0	108			3.0	6.0	*75			3.0	4.0	*62			*3.0	*4.5	50	6	8	*2.0	*4.0	40	4	6	2.0	4.0	36	6	4	*2.5	*4.5	25	16	2	*2.0	*3.5
10	*150			10.0	15.0	108			*2.5	*5.0	*77			3.0	4.5	*61			2.0	3.0	50	6	4	*1.0	*3.0	39	2	5	1.5	3.5	36	4	6	*2.5	*4.5	25	2	2	*2.0	*4.0
11	*150			9.0	14.0	110			1.5	4.0	*75			2.0	4.0	*62			2.0	3.5	50	7	5	*1.0	*3.0	41	2	7	1.5	3.5	34	6	6	*3.0	*5.0	25	8	2	*2.5	*4.5
12	149	5	5	8.0	13.0	110			2.0	5.0	77	16	6	3.0	5.0	63	22	4	2.0	4.5	50	6	6	*2.0	*3.5	39	4	6	2.0	4.0	36	5	8	*3.0	*5.0	25	4	2	*2.5	*4.5
13	150	2	6	9.0	14.0	110			*2.5	5.0	*77			2.5	5.0	*63			2.0	4.0	50	4	6	*1.5	*3.5	41	2	8	2.0	4.0	38	7	8	*3.0	*5.0	25	5	3	*2.5	*4.5
14	*148			9.5	14.5	110			2.0	5.5	*76			2.5	4.0	*64			2.5	4.5	50	5	2	*1.5	*3.0	41	2	5	2.0	4.5	42	4	4	*2.0	*4.0	25	4	2	*3.0	*5.0
15	*148			11.0	17.0	108			3.5	6.0	*77			3.5	6.0	*63			2.0	4.5	50	5	4	*1.0	*3.0	41	1	5	2.0	4.0	44	8	6	*2.5	*5.0	23	4	0	*3.0	*5.5
16	*148			11.5	18.0	112			3.0	6.0	*85			4.0	7.0	*63			2.5	4.5	50	2	3	*1.0	*3.0	45	4	4	1.0	3.0	46	5	8	*3.0	*5.5	23	2	2	*1.5	*3.0
17	148	4	6	11.5	16.5	116			4.0	7.0	*90			5.5	11.0	*68			3.0	5.5	52	4	4	*2.0	*3.5	51	4	4	3.5	6.0	44	6	10	*2.5	*5.0	23	0	2	*1.5	*3.0
18	151	3	7	10.5	16.5	118			3.0	6.5	91	6	8	6.5	13.0	73	17	4	3.0	6.0	53	3	3	*1.0	*3.5	51	4	4	2.0	4.5	36	12	2	*2.0	*4.0	23	0	2	*1.0	*2.5
19	150	6	6	11.5	17.0	118			*2.5	*5.5	95	14	8	6.0	12.0	77	14	6	3.5	7.0	54	4	2	*1.5	*3.5	51	8	4	4.5	7.0	34	10	4	*2.0	*4.0	21	2	0	2.0	3.0
20	151	3	9	11.0	17.0	120			3.0	6.0	91	6	4	6.0	12.0	79	15	4	3.5	7.0	54	4	2	*2.0	*4.0	51	6	4	4.5	7.0	32	12	2	*2.5	*4.0	21	2	0	*1.0	*3.0
21	152	4	4	11.5	17.5	120			4.0	7.5	93	16	4	7.0	12.0	80	15	3	4.0	8.0	56	4	4	*3.0	*5.0	53	4	4	3.0	7.0	34	16	4	2.5	4.5	21	2	0	*1.5	*3.0
22	*154			10.0	15.0	120			5.0	7.5	93	13	2	6.0	12.0	81	10	4	5.0	9.0	56	2	4	3.0	5.5	51	6	2	4.0	9.0	34	19	4	*3.0	*4.0	21	2	0	2.0	3.5
23	*154			10.0	15.5	123			4.0	6.5	97	4	4	7.0	12.5	79	12	2	4.0	8.0	56	4	4	4.0	6.5	53	6	4	4.5	8.0	34	18	2	1.5	4.0	21	2	0	2.0	3.5

F_{am} = median value of effective antenna noise in db obave ktb
D_u = ratia of upper decile to median in db
D_ℓ = rotia of median to lower decile in db
V_{dm} = medion deviation of overage voltage in db below mean pawer
L_{dm} = median deviotian of overage iagarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1N Long. 105.1W Month February 19 63

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495				
	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}
00	155	2	2	9.0	15.0	126	5	7	4.0	9.0	94	16	6	8.0	14.5	79	15	6	6.0	11.5
01	155	2	4	8.0	14.0	128	5	8	*4.5	*10.0	96	14	8	9.0	15.5	79	17	6	5.5	11.0
02	155	8	3	9.5	16.5	126	9	5	5.0	8.0	96	14	9	8.5	15.0	79	14	6	5.5	10.0
03	155	3	4	9.5	15.5	128	6	4	5.0	9.0	96	12	8	9.5	15.0	78	11	5	8.0	12.5
04	155	4	4	8.5	16.0	128	6	5	4.5	8.5	92	16	6	8.0	15.0	72	15	3	6.0	13.0
05	155	2	4	7.0	16.0	128	3	4	*3.0	*7.0	89	23	5	*9.0	*15.5	70	8	5	4.0	8.0
06	155	3	2	10.5	16.0	126	4	3	*4.0	*8.0	84	10	6	9.0	14.0	67	8	6	2.5	5.5
07	155	2	3	*9.0	*16.0	122	3	3	*4.0	*7.5	74	17	4	*2.5	*4.0	63	6	4	2.5	5.0
08	151	2	6	9.0	15.0	117	7	6	3.5	7.0	72	14	2	2.5	5.5	65	4	4	*2.0	*5.0
09	149	2	4	7.0	13.0	*111			*4.5	*8.0	*74			*3.0	*7.0	*65			*3.0	*5.5
10	*147			*8.5	*13.0	*111			*3.0	*7.0	*78			*2.5	*5.0	*65			*3.0	*6.0
11	149	4	7	*7.0	*10.0	114	5	13	*3.5	*6.5	76	9	6	*3.5	*5.5	65	2	3	*2.0	*6.0
12	150	3	5	*8.5	*10.0	116	4	11	3.5	7.5	75	11	3	*4.5	*6.5	65	2	4	*1.5	*4.5
13	151	2	5	7.0	13.0	118	3	12	3.0	6.5	74	12	2	4.0	7.0	65	2	3	2.0	4.5
14	151	2	4	*7.0	*10.0	114	6	10	*3.0	*7.0	74	12	4	*4.0	*6.5	65	3	3	*2.0	*5.0
15	149	4	5	*9.0	*16.0	114	6	7	*3.5	*6.5	74	11	3	3.5	6.0	65	1	4	*1.5	*4.5
16	149	2	5	6.0	11.0	118	2	9	*2.5	*6.0	78	14	6	*3.0	*6.0	65	8	4	2.5	4.5
17	149	4	4	*7.0	*13.0	120	7	2	3.0	7.0	88	13	8	6.0	11.5	69	12	8	4.0	7.5
18	148	7	3	*9.0	*16.0	122	7	6	3.0	7.0	92	15	8	7.0	13.5	75	9	6	4.0	9.0
19	150	1	3	*9.0	*16.0	124	5	4	2.5	7.0	91	14	9	7.5	13.0	77	8	6	4.5	7.5
20	151	2	4	10.0	17.0	124	3	6	*4.0	*7.5	94	10	8	9.0	15.0	77	10	4	5.5	11.0
21	151	3	2	*10.0	*15.0	124	5	2	*4.5	*8.5	93	10	9	9.5	14.5	81	8	8	6.0	11.5
22	153	2	4	11.0	16.0	124	4	6	*3.5	*7.5	92	14	6	9.0	15.5	79	12	4	7.0	12.0
23	153	4	2	10.0	16.0	124	5	6	5.0	9.0	96	14	8	8.0	14.5	81	12	4	6.5	11.5

Hour (LST)	2.5					5					10					20				
	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}
00	55	9	10	*3.0	*5.0	52	7	6	*5.0	*7.0	32	8	2	*2.0	*4.0	24	1	1	1.0	3.0
01	53	12	9	*3.0	*5.5	53	8	6	*3.0	*6.0	36	8	4	2.5	5.0	25	0	2	1.5	3.0
02	56	9	11	*3.0	*5.5	54	5	7	*4.5	*7.5	36	12	4	*2.5	*5.0	25	0	2	1.5	3.0
03	54	9	9	2.5	5.0	52	6	6	*6.0	*10.0	35	11	5	2.0	5.0	25	0	2	2.5	4.5
04	55	7	12	3.0	5.5	54	2	6	*3.0	*7.0	36	9	4	*2.0	*3.5	25	2	0	1.5	3.5
05	51	8	8	3.0	5.0	52	2	6	4.0	7.0	35	7	5	*2.0	*3.0	25	12	2	2.0	4.0
06	51	6	8	2.0	5.0	48	4	6	3.5	6.5	42	4	4	*3.5	*6.0	25	2	2	1.5	3.5
07	47	7	7	2.0	4.0	46	4	6	3.5	6.5	42	0	8	*3.5	*7.0	25	4	2	2.0	4.0
08	45	4	6	*2.5	*4.0	40	2	6	2.0	4.5	40	2	6	*3.0	*5.0	25	4	2	2.5	5.0
09	43	8	6	*2.0	*4.0	38	4	9	*2.0	*4.0	36	6	6	*2.5	*5.5	27	14	2	*1.0	*3.0
10	43	8	8	*1.0	*3.0	38	4	4	*2.0	*4.5	36	4	6	*2.0	*4.5	27	4	2	*2.5	*4.5
11	46	5	5	*2.0	*4.0	39	3	6	*3.0	*5.0	36	5	7	*2.0	*6.0	27	3	2	*2.5	*4.5
12	44	5	3	*3.5	*5.5	38	4	4	*2.0	*4.0	36	4	4	*4.5	*9.0	27	4	2	2.5	5.0
13	45	6	3	2.5	4.5	39	5	5	2.5	4.5	38	4	4	*3.5	*6.5	29	2	4	*2.0	*4.0
14	43	8	4	*3.0	*5.0	39	3	6	*2.0	*4.5	42	4	7	*5.0	*7.5	29	4	4	*5.0	*6.5
15	43	8	2	*1.5	*4.0	40	4	6	*2.5	*5.0	42	10	5	*3.0	*5.5	27	6	2	*3.0	*5.0
16	46	5	7	*2.0	*4.0	42	4	6	*2.0	*4.5	45	12	6	*3.5	*6.0	25	4	2	1.5	4.0
17	46	7	5	*2.0	*4.0	47	7	4	*2.0	*5.5	44	4	6	*3.0	*5.5	25	0	2	2.5	5.0
18	50	7	5	3.0	6.0	50	6	6	*5.0	*8.0	42	8	6	*2.0	*5.0	24	3	1	1.5	3.5
19	51	6	6	*2.5	*5.0	52	6	6	*4.5	*8.0	34	8	4	*2.0	*3.5	24	1	1	2.0	4.0
20	53	10	8	*2.5	*5.0	50	7	5	4.0	6.5	34	10	4	2.0	4.5	23	2	0	1.0	3.0
21	52	11	7	4.0	7.5	50	7	5	*3.5	*7.0	34	8	4	*2.0	*4.5	23	2	0	1.5	3.5
22	53	10	8	2.0	5.0	50	8	6	*4.0	*7.0	33	9	3	*2.0	*4.0	23	2	0	1.5	3.5
23	54	9	9	*3.0	*5.0	53	5	6	*4.0	*7.0	34	6	4	2.0	4.5	23	2	0	1.5	3.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_l = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Byrd Station, Ant. Lat. 80.0S Long. 120.0W Month October 19 62

Frequency (Mc)

Hour (LST)	.051 F_{am}	.051 D_u	.051 D_l	.051 V_{dm}	.051 L_{dm}	.113 F_{am}	.113 D_u	.113 D_l	.113 V_{dm}	.113 L_{dm}	.246 F_{am}	.246 D_u	.246 D_l	.246 V_{dm}	.246 L_{dm}	.545 F_{am}	.545 D_u	.545 D_l	.545 V_{dm}	.545 L_{dm}
00	104	10	6			84	8	6			65	3	1			49	10	4		
01	106	6	12			84	8	6			65	3	1			49	8	4		
02	104	6	6			86	6	6			65	2	1			49	5	4		
03	104	4	6			86	6	6			*66					*52				
04	104	6	8			88	6	6			*66					*52				
05	102	10	4			86	6	4			66	11	2			49	8	4		
06	102	10	6			84	8	6			65	11	1			49	6	4		
07	102	12	4			84	8	6			66	7	2			49	4	4		
08	100	8	2			84	8	8			66	7	2			47	6	2		
09	102	8	6			84	6	4			67	8	3			47	10	2		
10	102	8	4			84	10	4			66	5	2			49	2	4		
11	104	8	8			88	6	8			66	4	2			47	4	2		
12	104	8	8			86	6	8			65	5	1			47	3	1		
13	104	8	11			86	4	7			66	3	2			47	4	2		
14	104	8	10			84	8	6			65	3	1			47	4	2		
15	105	5	7			86	5	4			*65					*47				
16	103	7	7			90	6	4			*85					*47				
17	106	6	8			86	10	6			66	4	2			47	6	2		
18	104	8	8			86	10	6			65	5	1			47	10	2		
19	104	8	10			86	8	6			65	4	1			47	10	2		
20	102	12	6			86	8	6			66	1	2			47	6	2		
21	102	10	4			85	9	5			65	3	3			47	7	2		
22	103	9	9			88	5	9			65	4	1			49	4	4		
23	104	8	12			86	6	8			65	4	1			47	7	2		

Hour (LST)	2.5 F_{am}	2.5 D_u	2.5 D_l	2.5 V_{dm}	2.5 L_{dm}	5 F_{am}	5 D_u	5 D_l	5 V_{dm}	5 L_{dm}	10 F_{am}	10 D_u	10 D_l	10 V_{dm}	10 L_{dm}	20 F_{am}	20 D_u	20 D_l	20 V_{dm}	20 L_{dm}
00	19	7	2			25	8	12			27	4	12			23	2	2		
01	20	12	2			21	12	6			26	4	14			23	2	2		
02	19	16	2			21	13	8			22	6	5			21	2	2		
03	20	11	3			17	14	4			22	6	9			21	2	2		
04	19	7	2			16	15	4			17	9	8			21	2	4		
05	19	9	3			15	13	3			16	9	7			21	2	4		
06	19	4	3			15	8	3			15	11	5			19	4	2		
07	19	6	3			15	6	2			17	7	7			21	2	4		
08	19	14	3			16	5	5			22	6	10			21	2	4		
09	20	12	4			15	2	4			20	6	8			21	2	2		
10	19	13	3			14	4	2			20	6	5			21	2	2		
11	19	14	3			13	4	2			21	4	8			21	2	2		
12	19	2	3			14	6	1			22	6	4			21	2	2		
13	20	1	4			19	5	6			23	3	4			23	2	2		
14	19	4	3			21	8	8			24	6	3			23	2	2		
15	19	4	3			21	8	7			27	5	6			23	2	2		
16	20	19	4			23	9	8			27	5	8			23	2	2		
17	18	5	2			20	10	8			24	7	8			23	2	2		
18	18	5	2			17	12	4			24	7	4			21	4	0		
19	18	3	2			23	14	8			25	5	11			23	0	4		
20	19	3	3			25	11	12			25	4	11			23	0	4		
21	19	6	3			21	14	7			24	8	10			23	0	4		
22	19	5	2			26	10	9			26	4	8			23	2	2		
23	19	5	3			28	10	11			28	3	12			23	2	2		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_l = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

This sheet is a correction for corresponding sheet appearing in Tech Note 18-16 for F_{am} - 20 Mc

USCOMM-NBS-BL

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Cook, Australia Lat. 30.6S Long. 130.4E Month December 1962

Frequency (Mc)

Hour (LST)	.013 Fam	Du	Dℓ	Vdm	Ldm	.051 Fam	Du	Dℓ	Vdm	Ldm	.160 Fam	Du	Dℓ	Vdm	Ldm	.545 Fam	Du	Dℓ	Vdm	Ldm
00	158	4	4	11.0	17.0	137	4	36	8.0	14.5	114	6	4	7.0	13.5	98	6	4	*6.0	*12.0
01	158	4	4	10.0	16.0	137	6	21	9.0	15.5	114	6	4	*6.5	*11.5	95	5	7	*6.0	*11.5
02	158	4	4	*10.0	*16.5	136	7	11	8.5	15.0	114	4	4	6.0	12.0	98	5	6	7.0	12.5
03	158	2	6	*10.0	*16.0	135	6	41	*9.0	*16.0	112	4	6	*7.5	*15.0	90	6	7	*7.0	*13.0
04	156	2	4	10.5	17.5	133	6	36	*9.0	*17.0	110	6	6	9.0	16.0	86	8	11	*9.5	*16.5
05	154	4	4	*11.0	*16.5	125	6	36	*9.0	*15.0	92	9	6	*11.5	*19.0	48	16	>6	*7.0	*10.0
06	152	4	2	10.5	17.0	124	7	37	10.0	17.0	85	16	12	*12.0	*18.0	44	20	>2	*4.5	*7.0
07	152	4	4	12.0	19.0	119	9	>36	11.5	18.5	82	15	12	*6.0	*10.5	44	10	>2	*5.5	*8.0
08	152	4	4	13.0	20.0	121	6	>38	12.0	20.0	86	10	12	*11.0	*18.0	≤42	≥12	>0	*4.0	*5.5
09	152	4	6	*11.5	*18.5	121	6	>38	*8.0	*15.0	87	12	21	*6.0	*12.0	≤42	≥12	>0	*4.0	*6.5
10	152	5	8	*13.0	*20.5	119	10	35	11.5	19.0	86	11	20	*7.0	*13.5	44	8	>2	*6.0	*8.5
11	153	5	6	*12.5	*20.0	125	7	36	*12.0	*20.5	93	12	17	*8.0	*13.0	48	16	>6	*4.0	*7.0
12	154	6	8	*11.0	*17.5	125	6	35	*9.5	*17.0	96	14	14	7.5	14.5	49	24	>7	*5.0	*8.0
13	155	4	4	*10.5	*17.0	129	4	21	*7.0	*12.5	97	17	7	*5.5	*11.5	*54			*7.0	*10.0
14	*158			*8.0	*14.0	*131			*6.0	*13.0	*99			*9.0	*14.0	*56			*9.0	*14.0
15	*158			*7.5	*12.5	*133			*7.0	*12.0	99	17	9	5.5	9.5	55	37	12	6.5	10.5
16	158	5	4	7.0	12.0	133	5	6	*5.0	*8.0	101	11	11	7.0	11.5	56	22	10	*11.5	*14.0
17	158	4	6	*7.0	*13.0	133	2	12	5.0	9.0	101	11	13	6.0	11.0	54	21	6	*6.0	*11.0
18	156	6	4	*8.0	*13.0	131	8	10	*5.0	*9.0	104	8	6	*4.5	*8.0	74	10	15	4.0	7.0
19	156	6	4	*9.0	*15.0	133	4	14	*5.5	*10.0	114	4	6	*5.5	*10.5	90	8	6	*3.5	*7.0
20	158	4	4	8.0	13.5	135	6	18	6.5	12.0	116	2	6	*3.5	*11.0	94	6	6	*4.0	*7.5
21	158	6	4	*7.5	*13.0	135	6	10	*6.5	*11.5	114	6	2	5.0	9.5	96	6	4	*6.0	*12.0
22	158	4	4	9.5	16.0	135	7	33	*6.5	*12.0	114	6	4	*5.0	*10.0	96	4	6	*5.0	*11.0
23	158	4	6	9.0	15.0	135	4	27	8.0	15.0	114	4	6	5.0	11.0	96	4	6	5.5	10.0

Hour (LST)	2.5 Fam	Du	Dℓ	Vdm	Ldm	5 Fam	Du	Dℓ	Vdm	Ldm	10 Fam	Du	Dℓ	Vdm	Ldm	20 Fam	Du	Dℓ	Vdm*	Ldm*
00	69	4	9	*5.5	*9.5	58	4	3	*6.0	*11.5	48	2	4	*6.0	*9.0	22	3	2	3.0	4.0
01	68	5	8	5.5	10.0	58	3	4	*5.0	*9.0	46	8	4	*6.0	*9.5	22	1	2	2.5	4.0
02	67	6	9	6.0	10.0	58	4	4	*5.5	*9.0	44	5	4	*5.0	*8.5	22	1	3		
03	67	4	10	6.0	10.0	58	4	3	4.0	8.5	42	4	4	5.0	8.0	22	0	3	2.5	4.0
04	65	5	13	*7.0	*12.0	56	4	2	*5.5	*9.5	40	3	6	5.0	8.0	22	2	3	3.0	5.0
05	57	7	21	*6.5	*11.0	52	5	2	*5.0	*9.5	44	3	6	*4.5	*6.5	23	0	4	3.0	4.0
06	41	8	6	*7.5	*13.5	40	11	4	*6.5	*11.0	38	6	3	*5.0	*7.5	22	1	2	4.0	5.5
07	31	9	8	*9.0	*12.5	32	10	9	*8.0	*12.5	34	5	4	*5.0	*7.0	22	2	2	2.5	3.0
08	33	4	11	*7.0	*10.0	26	10	8	*8.0	*12.0	30	6	4	*2.5	*3.5	22	2	4	2.5	3.0
09	≤21	≥6	>0	*8.0	*10.0	20	12	4	*10.0	*14.0	28	4	9	*8.5	*12.0	22	2	2	3.0	4.5
10	≤21	≥4	>0	*5.5	*8.0	19	11	6	*8.0	*12.5	28	3	9	4.0	6.0	22	2	5	3.0	4.5
11	≤21	≥7	>0	*4.5	*6.0	18	7	4	*6.0	*9.5	28	5	7	*5.0	*7.5	22	3	2	3.5	6.0
12	≤21	≥18	>0	*2.5	*3.0	20	10	6	*5.0	*7.5	30	6	6	*5.0	*8.0	23	2	3	3.0	5.0
13	≤21	≥4	>0	*5.0	*8.0	22	12	3	*5.0	*7.0	32	5	5	*5.0	*8.0	*24			4.0	5.0
14	*27			*5.0	*6.0	*30			*4.5	*7.0	*34			*5.0	*8.0	*25			3.5	5.0
15	25	26	>4			34	12	6	*8.0	*14.0	38	6	5	*5.0	*7.0	26	4	4	4.0	6.5
16	31	29	>10	*6.0	*8.0	40	6	8	*5.0	*8.0	42	4	4	*5.0	*8.0	26	6	3	3.0	5.5
17	42	11	11	*4.0	*5.0	46	6	6	4.0	6.5	46	4	6	*4.0	*6.0	27	4	5	3.5	5.0
18	55	8	8	*4.0	*7.0	52	4	4	4.0	7.0	48	0	6	4.5	7.5	26	4	4	4.0	5.5
19	65	6	9	4.0	7.0	59	3	3	*4.0	*7.0	48	4	4	4.5	8.0	25	3	3	3.0	5.0
20	71	4	8	*4.0	*7.5	60	4	2	*6.5	*9.5	52	0	7	5.0	8.0	23	3	3	4.5	6.5
21	71	4	6	5.5	10.5	60	4	5	*5.0	*10.0	49	7	5	*5.5	*9.0	22	4	2	3.0	4.0
22	69	4	5	6.0	11.0	58	6	2	5.0	9.5	48	25	4	*11.0	*14.0	22	4	2	3.0	5.0
23	69	4	7	6.5	11.0	58	4	4	5.5	9.0	50	0	7	6.5	10.5	22	4	2	3.0	4.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Cook, Australia Lat. 30.6S Long. 130.4E Month January 1963

Frequency (Mc)

Hour (LST)	.013					.051					.160					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm
00	159	6	6	10.0	16.0	138	5	6	8.5	16.5	115	4	6	7.5	15.0	94	7	4	6.5	14.0	68	6	6	6.5	12.0	60	4	4	5.5	10.0	49	6	5	4.5	8.5	23	2	2	3.0	4.5
01	158	6	4	9.5	15.0	138	4	6	9.0	17.0	115	4	8	*8.0	*17.0	94	4	4	8.0	16.0	68	6	6	6.5	11.0	60	4	5	5.0	9.0	48	7	4	*4.0	*9.0	23	2	1	2.5	3.5
02	159	8	2	9.5	15.5	138	8	6	*10.0	*17.0	115	4	8	9.5	17.0	94	7	7	*7.0	*17.0	68	5	5	7.0	12.5	60	4	5	5.0	9.0	44	6	4	3.5	7.0	23	0	3	2.5	4.0
03	158	6	4	9.5	16.0	137	5	3	10.5	18.5	115	2	7	8.0	16.0	94	3	7	8.5	17.5	68	4	6	6.0	11.0	60	6	2	5.0	9.5	42	6	4	5.0	7.0	23	2	2	*2.5	*3.0
04	157	5	4	10.0	17.0	135	7	6	11.0	18.0	111	6	8	*12.0	*21.5	90	4	8	9.0	20.0	66	6	6	8.0	13.0	60	4	6	4.5	9.0	42	4	4	3.5	6.5	23	2	1	*2.5	*4.0
05	155	5	3	10.0	16.0	130	5	8	10.5	17.5	99	8	7	*11.5	*19.0	62	16	10	*7.5	*16.0	62	8	11	7.0	12.5	58	4	5	5.0	8.5	40	6	4	3.0	6.0	24	1	2	*2.5	*4.5
06	154	3	6	11.0	19.0	126	8	8	*11.0	*19.0	89	11	16	*12.5	*20.5	44	14	2	*7.0	*10.5	48	8	8	8.0	14.5	48	8	6	*6.5	*10.5	42	6	8	3.0	6.0	24	2	2	*2.5	*4.5
07	152	5	4	12.0	20.5	121	9	8	*13.5	*21.5	87	16	14	*12.5	*22.0	46	9	4	5.5	8.5	36	8	10	6.5	12.0	37	7	7	8.5	14.5	38	4	4	4.0	7.0	24	1	2	2.5	3.5
08	153	5	6	13.5	21.0	121	6	9	*15.0	*23.0	86	11	11	*11.5	*19.0	44	9	2	*3.5	*5.5	28	20	6	*8.0	*12.5	30	16	7	8.5	13.5	33	4	4	4.0	6.0	24	2	3	*3.5	*5.0
09	152	7	4	*14.0	*22.0	124	8	8	*16.0	*20.5	91	5	12	*16.0	*20.0	44	13	2	*3.5	*5.0	24	8	2	*4.5	*7.0	28	10	8	*6.0	*9.0	31	4	4	*2.5	*4.5	24	2	3	*3.0	*5.0
10	154	3	6	13.5	21.5	126	7	7	*11.0	*18.5	87	14	4	*8.5	*16.5	46	21	4	*3.0	*5.0	23	20	1	*6.5	*8.5	25	10	6	*6.0	*10.0	30	13	4	4.0	6.0	24	1	3	*2.5	*4.5
11	154	5	5	13.0	21.5	128	7	12	*10.5	*21.0	91	17	13	8.0	16.0	54	26	8	*7.5	*11.5	22	2	0	*4.0	*5.5	22	14	4	5.0	7.5	30	3	4	*4.5	*4.5	24	6	2	3.5	5.5
12	155	5	7	13.5	21.5	132	4	16	*10.0	*19.0	99	12	17	9.0	15.5	52	32	10	*8.0	*14.5	22	25	0	*5.5	*10.5	23	17	5	*5.0	*9.0	32	8	6	*3.0	*5.0	24	4	2	3.5	5.5
13	158	5	8	10.5	16.5	130	8	10	*8.0	*14.0	101	10	20	*5.0	*10.0	58	28	15	*4.0	*7.0	24	26	2	*7.0	*13.0	30	14	14	5.5	9.0	34	7	8	*4.0	*7.5	24	4	2	*4.0	*6.0
14	160	3	10	8.5	14.5	136	4	14	*7.5	*12.5	103	14	20	6.5	12.0	60	30	17	7.0	10.5	23	39	1	*4.0	*6.0	36	11	6	6.0	9.5	38	5	10	*5.0	*8.0	25	5	1	*4.0	*6.0
15	160	5	7	*8.5	*14.0	134	8	7	*7.0	*12.0	105	12	9	7.5	13.5	60	26	7	6.5	10.0	28	31	4	*7.0	*11.0	38	11	6	*6.5	*10.0	40	4	6	*5.5	*9.0	27	4	3	*3.5	*5.5
16	161	4	7	9.0	14.0	134	6	9	*7.0	*12.0	103	16	18	9.5	16.0	60	17	15	8.0	12.5	31	13	5	5.0	7.5	43	7	10	5.0	8.5	44	4	11	4.5	9.0	26	6	4	3.5	5.5
17	160	3	8	9.0	14.5	132	6	9	7.5	13.0	104	11	12	8.0	13.0	60	14	11	*9.0	*14.0	45	12	9	5.5	10.0	48	4	6	4.5	8.5	46	4	5	4.0	8.0	25	6	4	3.0	4.5
18	159	5	7	9.0	16.0	135	6	9	*7.0	*13.0	105	8	12	7.0	11.0	76	10	10	*4.0	*7.5	56	8	5	5.0	8.5	56	4	10	4.5	7.5	48	4	5	4.0	7.5	25	4	3	3.0	5.0
19	159	4	7	9.0	15.0	135	7	5	7.0	12.0	113	4	7	*4.5	*9.0	90	7	8	*4.0	*8.0	66	4	6	4.5	8.5	60	4	5	4.0	8.0	49	7	4	4.5	7.0	23	4	2	*2.5	*3.5
20	161	5	9	10.0	16.0	139	3	9	*6.5	*13.0	117	3	10	*5.0	*10.0	96	5	8	*4.5	*9.0	70	5	7	4.0	9.0	62	4	5	4.5	9.5	48	6	4	4.5	6.0	23	4	2	2.5	4.0
21	161	5	9	10.0	17.0	139	5	9	*7.5	*11.5	117	2	10	6.5	11.0	96	4	7	5.0	10.5	70	4	6	5.5	10.0	64	2	7	4.0	9.0	48	3	4	6.0	9.5	24	0	2	*2.5	*3.5
22	160	5	8	10.5	17.5	138	6	8	8.0	14.0	115	4	7	6.0	13.0	96	5	8	6.0	13.0	70	4	5	5.0	10.5	61	3	5	5.5	10.0	46	4	3	5.0	8.5	22	4	2	*2.5	*4.0
23	158	8	5	11.0	18.0	138	5	5	9.0	16.0	115	5	9	8.0	14.0	96	6	8	6.0	14.0	70	3	7	6.0	12.0	59	5	3	6.0	11.0	48	4	5	5.5	9.5	23	0	2	2.5	4.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-DL

MONTH-HOUR VALUES OF RADIO NOISE

Station Cook, Australia Lat. 30.6S Long. 130.4E Month February 1963

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	162	4	6	8.5	14.5	140	4	4	*7.5	15.0	117	4	9	*8.0	*16.0	100	4	6	6.5	13.5	71	4	8	4.0	8.5	61	2	4	4.0	9.0	45	3	5	4.0	8.5	21	2	0	2.5	4.0
01	162	4	4	8.0	14.0	139	5	6	8.0	15.5	117	2	4	*6.5	*13.5	98	4	6	5.5	12.5	71	4	6	4.5	10.0	61	2	7	*4.5	*9.0	47	2	5	*4.5	*8.0	21	2	0		
02	162	2	4	7.5	13.0	140	4	5	*7.0	*14.5	113	6	7	*7.5	*15.0	96	2	6	5.5	13.0	69	4	4	5.0	11.0	61	2	4	*4.0	*9.0	46	6	6	*4.5	*8.0	21	2	0	3.0	5.0
03	162	2	4	8.0	13.0	138	5	6	*8.5	*16.5	113	6	4	*9.0	*17.5	95	5	5	*8.0	*17.0	73	4	6	5.0	11.0	63	2	6	*5.0	*9.5	43	4	5	*5.0	*10.0	22	1	1	3.5	2.5
04	160	4	2	8.5	14.0	137	3	5	*8.5	*16.0	113	4	9	7.5	14.5	92	6	6	8.5	18.5	69	2	8	6.0	11.0	63	2	4	4.5	9.0	39	6	6	5.0	7.0	23	0	2	3.0	5.5
05	160	4	4	8.0	15.0	132	6	6	*8.0	*14.0	107	4	12	*9.0	*17.0	76	12	14			67	4	10	6.0	13.0	61	2	6	*5.0	*10.0	39	2	6	*4.5	*7.0	23	0	2	3.0	4.5
06	158	4	2	8.5	15.0	128	3	4	*9.5	*17.0	93	7	14	*12.5	*20.5	54	7	12			55	8	8	*8.0	*14.0	51	7	5	5.0	9.0	43	2	6	*4.5	*7.0	23	0	2	3.0	5.0
07	156	2	4	10.0	17.0	127	6	12	*12.0	*20.0	88	10	10	*13.0	*22.0	48	20	6	*5.0	*8.5	43	4	10	*9.0	*16.0	43	4	13	*7.0	*12.5	39	4	6	4.0	7.0	23	2	2	3.0	5.0
08	156	4	6	12.0	19.5	120	9	5	*12.5	*21.0	85	10	9	*13.5	*22.0	48	24	6			29	12	4	*9.0	*13.0	32	9	6	8.5	14.0	35	2	5	*5.0	*7.5	23	2	2	5.0	6.5
09	156	4	4	*12.0	*19.5	122	5	6	*13.5	*21.5	89	6	6	*13.0	*22.0	46	18	4	*3.5	*7.0	*27			*5.5	9.0	29	6	10	*8.5	*13.5	31	4	3	4.5	6.5	23	2	2	2.5	4.0
10	156	5	4	*12.0	*19.0	122	5	3	*12.0	*21.5	89	6	7	*12.0	*21.0	46			*5.0	*10.0	*37			6.0	*11.5	23	13	2	*9.5	*12.0	29	4	2	4.0	5.5	23	1	2	2.5	4.5
11	156	4	6	*13.0	*20.5	124	6	7	13.0	21.0	89	7	8	*10.0	*18.0	42	13	8	*5.0	*9.0	*27					21	7	5	*7.5	*11.0	27	6	2	4.0	7.0	23	0	2	3.0	5.0
12	158	2	6	*12.0	*20.0	128	6	8	*13.0	*22.5	92	10	10	*10.0	*18.5	51	7	6	*3.0	*5.0	*48			*7.0	*15.0	23	6	4	5.5	9.5	29	6	4	5.0	7.5	23	4	2	2.5	5.0
13	158	6	4	*11.5	*19.0	130	4	8	*11.0	*22.0	95	12	3	*9.0	*17.0	54	14	8			*26					25	8	6	*5.5	*9.0	31	8	6	5.0	8.0	23	2	2	3.0	6.0
14	160	4	7	*10.5	*18.0	131	5	5	*9.0	*16.5	99	12	8	*8.5	*14.0	51			*3.0	*5.0	*27			*3.5	*5.0	27	13	8	*5.0	*9.5	33	6	6			23	4	2	2.5	4.5
15	160	8	2	*9.0	*17.0	135	3	6	*6.5	*12.0	107	4	16	*9.0	*16.0	58	22	12	*18.5	*25.5	*32					*36			*5.0	*8.5	35	10	2	*5.0	*8.5	25	3	3	3.5	5.0
16	163	5	10	9.5	16.5	132	7	4	6.0	12.0	107	6	14	*9.0	*15.0	60	25	13	*9.0	*13.0	33	26	8	*6.0	*9.0	43	15	8	*5.0	*9.5	43	4	4	5.0	8.0	23	4	2	3.0	4.5
17	164	4	6	10.5	19.5	132	7	5	*10.0	*17.0	105	9	14	*9.0	*16.0	64	19	10	*6.0	*12.5	47	10	10	*4.5	*8.5	49	6	4	4.0	8.0	47	2	5	4.0	7.5	25	4	4	3.0	6.0
18	162	2	7	10.0	17.5	136	4	6	*5.0	*9.5	111	3	8	*5.0	*10.0	84	6	6	7.0	12.5	59	10	4	4.0	8.0	57	2	6	3.5	6.5	49	2	5	*4.5	*8.5	23	4	2	4.0	6.0
19	161	3	7	8.0	14.0	138	3	4	*7.0	*13.0	114	5	6	5.0	10.5	95	3	5	*5.0	*11.0	70	3	7	4.5	7.5	63	2	7	4.5	7.5	49	3	4	3.5	7.5	23	4	2	3.5	5.5
20	164	2	6	11.0	19.0	140	2	7	*6.0	*12.5	110	2	7	*3.5	*7.5	100	3	6	*5.0	*10.5	72	4	5	3.0	7.0	65	2	7	3.0	7.5	49	2	4	*4.5	*8.5	22	3	1	3.5	6.0
21	163	3	5	*9.5	17.0	140	3	4	*6.5	*13.0	115	5	4	6.5	12.0	98	7	2	*4.0	*9.5	73	4	8	4.0	8.5	65	2	8	4.0	8.0	47	4	2	3.5	7.5	21	2	0	4.0	5.5
22	164	2	6	9.0	16.5	140	3	4	*8.0	*15.0	117	2	6	6.0	13.0	100	4	8	5.0	11.0	73	4	6	5.0	9.0	61	4	3	4.0	8.5	47	3	4	4.0	8.0	21	2	0		
23	162	4	6	9.0	16.0	140	4	6	*9.0	*16.5	117	4	4	*7.0	*14.0	100	4	8	5.5	13.0	71	4	6	4.5	10.0	61	2	4	4.5	9.0	45	4	4	5.0	9.0	21	2	0	2.5	1.0

F_{am} = median value of effective antenna noise in db abave ktb
D_u = ratio af upper decile ta median in db
D_ℓ = ratio af median to lower decile in db
V_{dm} = median deviatian af average voltage in db below mean power
L_{dm} = median deviatian af average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 60-70S Long. 52.5-67.5W Month December 19 62

Hour (LST)	Frequency (Mc)																																	
	.013					.051					.160					.495					2.5					5					10					20				
	Fam*	Du	Dℓ	Vdm	Ldm	Fam*	Du	Dℓ	Vdm	Ldm	Fam*	Du	Dℓ	Vdm	Ldm	Fam*	Du	Dℓ	Vdm	Ldm	Fam*	Du	Dℓ	Vdm	Ldm	Fam*	Du	Dℓ	Vdm	Ldm	Fam*	Du	Dℓ	Vdm	Ldm	Fam*	Du	Dℓ	Vdm	Ldm
00	148					115					82					76					57			2.5	4.0	54			4.5	7.5	37			3.0	4.5	28			1.5	3.0
01	148					117					88					76					61			3.5	7.0	50			4.0	6.5	33					26			3.0	4.0
02	150					113					86										59					50					27			4.5	7.0	28			1.5	3.0
03	146																									54			7.5	11.0	33					26				
04	146					109					84					78					41					42					41					32			3.0	5.0
05	146					107					76					76					55			6.0	8.0						39					28				
06	146															72					31			2.0	6.0				4.5	6.0				6.0	7.5	30				
07	146										78					74					49			2.5	6.0	34					31			6.0	7.5	26			1.0	2.5
08	148					99					80					74					47			3.0	6.0	32			4.5	7.0	33					26			2.0	3.5
09	148					109					76					70					48			3.0	6.5	31			4.5	6.5	30			4.5	6.0	27			2.5	4.5
10	146					105					80					74					49			3.0	6.5	32			3.5	5.0	31			3.5	5.0	29			2.5	2.5
11	149					108					76					69					48					31			6.5	9.0	31			1.5	3.0	27			2.0	3.0
12	149					111					75					72					37			5.5	8.0	28			6.0	8.0	28			1.0	2.0	26			3.0	5.0
13	152					115					81					70					30			5.0	7.5	28			6.0	9.0	33			2.5	5.0	29			2.0	3.0
14	154					117					90					72					36			4.5	6.5	36			6.5	8.5	41			2.0	4.0	27			2.0	3.5
15	154					113					76					67					31			5.5	6.0	31			9.0	11.5	38			2.5	6.0	26			2.0	3.5
16	153					109					74					68					30			6.5	8.5	30			5.0	7.5	35			2.0	5.0	27			2.0	3.5
17	151					107					72					69					30			7.0	9.0	29			5.0	8.0	43					26			1.0	2.0
18	148					108					70					68					31			4.5	8.0	37			4.0	8.0	49					26			1.0	2.0
19	146					107					71					65					43			8.0	12.0	46			3.0	6.5	48			4.5	8.0	25				
20	146					109					79					71					53			4.0	7.0	53			3.5	6.0	43			3.5	6.0	25			1.5	3.0
21	147					114					84					77					57			3.0	6.0	51			2.5	4.0	43			2.0	4.0	27			1.0	2.0
22	146					118					83					77					59			4.0	7.5	59			4.5	7.0	41			2.0	4.5	30			5.0	1.5
23	146					117					84					76					59			4.0	7.5	54			5.0	8.0	42			2.5	4.0	25			3.0	4.0

F_{am} = median voiue of effective antenna noise in db obove ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviotian of average logarithm in db below mean power

USCOMM-NBS-PL

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 50-60S Long. 67.5-82.5W Month December 1962

Hour (LST)	Frequency (Mc)																															
	.013					.051					.160					.495					2.5					5					10					20				
	F_{om}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{om}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*
00	150					121					90					76			6.5	11.5	61			4.0	8.0	53			4.5	8.5	47			2.5	6.5	28			1.5	3.5
01	150					123			9.5	16.0	90			6.0	11.5	76					62			4.0	8.0	55			5.0	9.0	41			3.0	7.0	26			4.0	6.0
02	150			10.5	16.5	119			8.0	14.0	82					70			3.5	2.5	61			7.5	10.0	55			3.0	7.0	43			3.0	7.0	26			2.0	3.5
03	150			11.5	17.0	117					71					70			2.0	5.5	57			4.0	8.5	50			5.0	10.0	38			3.0	6.5	27			2.0	3.5
04	146			10.0	14.5	113			11.5	16.5	73					64			7.5	10.0	45			4.0	7.0	46			5.0	9.0	37			4.0	8.0	27			2.0	4.5
05	150					112					68					64					45			4.5	7.5	39			4.5	8.0	35			4.0	7.0	28			2.5	4.5
06	146					111					71					70					45			5.5	9.0	39			6.0	9.5	35			5.5	10.5	30			4.0	6.0
07	146					108					67					63					45					37			4.5	8.0	35					31			1.5	3.5
08	147					108					73					65					49					41					33					34			3.5	6.0
09	148					110					79					68														36			5.0	8.0	35				
10	148					113					79					62														35			3.5	7.0	36				
11	150					119					83					66														31			3.0	5.5	32			3.0	5.5
12	152					122					82					73														33			2.5	5.0	32			2.0	5.0
13	153					121					83					64														31			4.0	7.5	30			3.0	6.0
14	152					119					79					62														33			3.0	6.0	30			3.5	6.0
15	152					119					85					71														33			3.0	6.5	30			3.0	6.0
16	151					116					80					62										40			6.5	6.5	33			3.0	6.0	30			2.0	5.0
17	150					113					74					66										41			5.0	8.5	38			3.5	5.0	28			3.5	7.0
18	150					114					78					65					48			3.5	6.5	45			5.0	8.0	43			4.0	6.5	30			1.5	3.5
19	151					117					85					69					57			5.0	7.5	49			2.0	5.0	41			3.5	5.5	28			3.0	5.0
20	150					122					72					76					62			4.0	7.0	51			4.5	6.5	39			2.0	4.5	28			1.5	3.0
21	150					123					75					76					64			5.5	9.0	53			4.0	7.0	41			3.0	7.0	28			2.0	4.0
22	150					125					97					78					64			5.0	9.0	53			4.5	8.0	53			4.0	6.5	28			2.0	4.0
23	150			12.0	18.5	123			9.5	16.5	96					76			4.0	7.5	64			5.5	9.0	55			5.0	9.0	45			5.0	9.5	29			2.5	4.0

F_{am} = medion volue of effective antenno noise in db obove ktb
D_u = ratio of upper decile to median in db
D_ℓ = rotio of median to lower decile in db
V_{dm} = medion deviotion of averoge voltoge in db below mean power
L_{dm} = medion deviotion of overoge logorithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 50-60S Long. 52.5-67.5W Month December 19 62

Hour (LST)	Frequency (Mc)																																							
	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*
00	146	8	2	12.5	19.0	125	7	7	9.5	15.5	92	11	11	7.5	14.0	79	13	11	5.5	11.0	62	12	5	5.0	8.0	55	6	6	4.5	8.0	45	6	4	3.0	5.5	28	9	2	2.5	4.5
01	150	4	6	12.5	19.5	125	6	10	9.0	15.0	90	14	7	8.0	14.5	78	13	9	6.5	10.0	63	11	8	5.5	8.5	55	12	6	5.5	9.0	45	12	8	4.0	7.0	28	12	2	2.0	3.5
02	152	5	6	13.0	19.0	120	12	8	7.5	11.0	88	12	8	7.5	12.0	74	13	9	1.5	4.0	61	14	5	5.0	8.0	55	7	8	4.0	6.5	43	6	10	4.0	7.0	26	2	4	2.0	3.5
03	148	7	4	12.0	19.0	115	9	10	9.0	14.5	80	16	16	6.0	11.0	66	4	14	2.0	5.5	55	15	5	3.0	7.5	55	8	9	3.5	7.0	43	6	9	5.5	8.5	28	3	2	3.5	5.0
04	148	7	4	11.5	18.5	113	9	8	10.5	16.5	77	11	15	16.5	22.0	74	12	10	2.5	4.0	46	17	8	5.0	7.5	48	15	10	3.0	5.0	43	9	6	6.0	9.0	30	10	6	3.0	5.0
05	146	7	5	13.0	20.0	111	8	6	13.0	19.0	76	9	10	8.5	12.0	66	15	8	2.5	5.0	52	6	20	4.5	7.0	43	16	9	5.5	8.5	43	12	12	5.0	8.0	28	9	2	3.0	5.0
06	148	5	8	11.0	17.0	109	6	7	11.0	18.5	78	10	13	10.0	14.0	66	14	7	2.0	5.0	49	13	17	4.5	7.0	40	16	10	4.5	7.0	39	13	7	3.0	6.0	29	13	7	3.0	4.0
07	148	5	8	9.5	15.5	107	8	14	12.0	17.5	74	13	9	10.0	13.0	65	5	4	2.5	5.5	33	18	4	5.5	8.0	32	11	8	4.0	6.5	31	9	6	4.0	6.0	27	3	3	1.5	3.5
08	147	5	10	8.5	14.0	107	9	4	14.0	21.0	73	10	10	9.0	12.5	66	4	8	2.5	5.0	32	17	3	3.5	6.0	31	5	7	6.5	8.5	29	10	4	4.5	7.0	26	5	0	2.5	5.0
09	146	8	7	8.0	15.0	108	12	9	12.0	18.0	76	9	8	8.5	12.0	64	9	9	2.5	5.0	31	17	3	4.0	6.5	29	5	7	6.0	8.0	29	8	4	3.0	7.0	28	3	2	2.0	4.0
10	146	6	7	9.0	15.0	113	8	10	10.0	17.5	77	7	11	9.5	14.0	66	6	11	2.0	6.0	31	9	4	3.5	7.0	29	7	4	6.5	9.5	31	6	8	4.0	7.0	26	6	2	3.0	5.0
11	150	4	5	9.5	16.0	117	2	17	9.0	17.0	78	7	14	9.0	13.0	65	7	5	3.0	7.0	31	5	4	3.5	6.0	29	7	4	6.0	8.5	31	6	6	3.0	7.0	28	3	2	2.0	3.5
12	152	6	8	8.0	15.0	117	5	12	8.0	13.0	76	12	14	9.0	13.0	66	10	7	3.0	8.0	31	16	4	3.0	5.0	31	3	5	6.0	9.5	31	4	5	3.5	3.5	28	5	4	2.5	5.5
13	154	5	10	8.5	13.0	118	4	13	8.5	14.0	77	15	7	11.0	16.0	64	14	4	3.0	6.5	31	14	4	4.5	7.0	29	7	5	4.0	7.0	31	6	4	5.0	8.0	28	8	2	2.0	4.0
14	154	6	7	8.5	14.0	119	5	8	7.0	13.0	84	8	13	7.5	10.5	66	12	4	3.0	6.0	33	15	5	3.5	5.5	35	8	8	6.5	9.5	31	4	4	3.5	5.5	29	8	2	2.5	4.5
15	154	5	4	7.0	14.0	117	8	7	8.0	14.0	76	6	7	7.0	12.0	64	4	2	3.0	7.0	35	10	4	3.5	6.5	43	6	4	5.0	8.5	33	3	4	4.0	7.0	28	1	3	3.0	5.0
16	152	6	5	9.5	14.0	117	4	8	7.0	13.5	76	14	4	8.0	12.0	64	2	3	4.0	8.0	35	13	7	5.0	7.0	41	12	6	6.0	9.0	35	14	4	3.0	6.0	28	4	3	3.0	6.5
17	154	5	10	8.0	13.0	113	6	9	8.0	13.5	74	14	5	5.0	6.5	66	2	6	2.0	6.5	35	11	7	5.5	8.5	43	16	4	3.0	6.5	39	10	6	3.0	5.5	28	5	2	2.5	3.5
18	152	4	9	9.5	16.0	115	4	12	7.0	13.0	76	10	7	7.5	10.0	66	4	4	2.0	6.0	45	8	12	2.5	5.5	38	14	7	3.0	6.0	45	6	9	3.5	6.5	27	4	4	2.0	4.0
19	150	4	5	10.0	17.5	115	4	14	8.5	13.5	76	8	9	7.0	11.5	68	9	3	2.5	5.0	49	9	10	3.5	6.5	51	8	16	3.0	6.5	41	13	7	2.5	5.0	28	6	1	2.5	4.5
20	148	8	3	10.0	16.5	119	5	9	9.0	16.0	89	9	9	7.0	13.0	74	14	6	5.5	9.0	58	8	6	4.0	7.5	54	8	7	3.5	6.5	43	10	4	4.0	6.5	28	5	3	2.0	4.0
21	152	2	7	11.0	18.5	125	4	10	11.0	17.0	92	13	8	9.5	16.5	78	9	8	5.5	11.0	63	7	6	4.5	7.5	57	8	5	3.5	7.0	46	5	3	3.5	6.5	28	8	2	3.0	5.0
22	149	5	9	12.0	19.0	127	8	14	4.0	13.5	96	11	11	8.5	13.5	76	11	8	5.5	9.0	64	4	8	4.5	7.5	57	8	6	4.5	8.0	45	6	4	3.0	6.0	28	9	2	4.0	6.0
23	146	8	2	9.5	18.0	124	9	11	9.0	14.0	94	8	10	7.0	13.0	80	8	11	5.5	10.0	63	10	8	4.5	8.0	55	11	3	4.5	7.5	43	7	2	5.5	10.0	30	10	3	2.5	4.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-DC

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 60-70 S Long. 52.5-67.5 W Month January 1963

Hour (LST)	Frequency (Mc) .013					.051					.160					.495					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}	D_u	D_ℓ	V_{dm}*	L_{dm}*
00	152	4	6	11.0	17.5	126	8	6	7.5	13.0	97	8	20	7.0	11.0	78	6	4	6.5	11.0	63	8	9	4.0	7.5	60	6	4	4.0	6.0	45	10	5	4.0	6.0	31	8	6	4.0	5.5
01	154	2	4	10.0	15.5	126	8	6	7.5	13.0	94	7	17	7.0	13.0	76	10	6	5.0	8.0	66	8	10	4.5	7.5	60	3	8	4.0	6.5	45	6	6	4.0	6.5	29	15	2	5.5	7.0
02	154	0	4	11.5	17.5	124	2	10	8.5	14.0	89	8	17	6.0	9.0	68	11	12	3.5	6.5	62	10	8	5.0	7.5	58	4	7	4.0	7.0	45	6	8	3.5	5.5	28	4	3	2.0	3.0
03	152	4	12	13.0	19.0	120	9	8	9.0	14.5	77	10	11	6.0	10.0	58	15	5	5.5	7.0	56	10	10	4.0	6.0	56	6	3	5.0	8.5	44	5	9	4.0	8.0	27	4	2	3.0	4.0
04	152	2	6	13.0	19.0	116	6	5	11.0	17.5	70	14	4	11.5	15.0	62	11	8	4.5	9.0	47	8	11	4.5	7.5	50	8	10	6.0	8.5	43	7	11	7.0	11.0	31	9	4	3.0	4.0
05	150	4	6	10.5	17.5	114	8	8	10.5	16.0	73	10	7	13.0	15.0	78	10	22	15.5	26.0	48	14	10	4.0	6.0	46	8	6			46	6	15	9.0	13.0	35	9	9	9.0	10.0
06	150	4	6	10.0	17.0	112	9	8	11.0	14.0	74	10	9	12.5	18.0	66	7	12	3.5	5.0	52	9	19	5.5	9.0	39	8	5			41	11	10	5.5	9.0	30	12	5	2.5	4.0
07	150	4	4	12.0	18.0	110	11	11	9.0	15.0	72	6	6	13.5	18.0	60	8	4	3.0	4.5	38	7	6	8.0	9.5	34	5	4	5.0	8.0	33	7	4	4.0	5.5	29	8	4	4.0	6.0
08	150	4	4	11.0	16.5	110	10	10	9.0	16.0	73	17	7	13.0	17.0	60	12	4	5.0	7.0	36	14	6	5.0	7.5	34	3	4	6.0	8.5	33	5	6	3.5	5.5	29	8	2	3.0	4.0
09	150	4	6	10.0	15.0	112	7	10	10.0	16.0	70	11	6	14.0	16.5	67	17	8	3.5	6.5	36	14	4	4.5	8.0	34	7	4	5.0	8.0	33	4	4	4.0	5.5	32	19	5	6.0	9.0
10	150	2	6	10.0	16.0	112	4	12	10.0	16.0	73	13	7	14.0	19.0	64	9	6	4.0	6.0	37	14	5	5.0	8.5	36	4	2	6.0	8.5	31	9	2	3.0	5.0	29	9	4	2.5	3.5
11	151	1	5	9.0	15.0	114	4	10	8.5	14.0	74	20	8	5.0	8.0	66	11	7	3.0	5.0	40	18	8	4.0	6.5	36	6	2	6.5	12.0	33	2	4	3.0	4.0	31	3	5	4.0	5.0
12	152	4	4	9.0	14.0	116	6	9	7.5	11.5	74	21	8	7.0	10.5	64	8	9	2.5	4.0	39	11	7	3.0	5.5	36	2	4	7.5	9.0	32	5	6	3.0	5.0	29	8	2	3.5	5.5
13	152	4	2	7.5	12.0	118	6	6	7.5	13.0	75	15	9	6.5	11.0	61	12	7	2.5	5.0	38	12	6	3.0	6.0	36	4	4	3.0	4.0	31	6	4	2.0	3.5	29	9	4	2.0	3.5
14	154	4	4	6.0	13.0	118	5	3	6.0	10.5	71	20	6	5.5	12.5	58	17	4	2.0	5.0	41	11	11	4.0	6.0	35	5	6	5.0	6.5	33	4	4	3.0	4.5	29	3	4	2.0	3.5
15	154	4	2	7.0	11.0	118	4	6	5.5	10.0	75	15	10	9.0	11.5	61	14	5	4.0	6.0	42	10	13	3.5	7.0	36	4	4	4.5	6.5	31	11	6	3.5	5.5	29	5	2	2.5	3.5
16	154	4	5	7.5	12.5	116	7	8	7.5	13.0	76	6	10	5.0	7.5	61	12	5	2.5	4.0	38	12	11	3.5	6.0	34	8	6	5.0	7.0	33	10	2	4.0	4.0	29	9	2	2.5	3.5
17	152	4	1	8.5	13.0	113	7	3	7.0	11.0	73	10	9	9.0	12.0	60	10	4	4.0	5.5	48	6	15	3.0	5.5	37	9	5	5.0	7.0	39	6	6	3.5	5.0	29	4	2	2.5	4.5
18	151	5	3	8.0	14.0	115	5	10	7.0	12.0	71	17	12	15.0	17.5	60	12	6	3.0	4.0	49	4	19	3.0	6.0	42	3	8	3.5	5.5	39	6	5	2.5	4.5	31	4	6	3.0	5.0
19	150	4	5	9.0	15.0	114	5	9	7.0	12.0	73	12	9	8.5	12.0	64	6	10	3.0	4.5	50	4	7	3.0	5.0	48	5	5	4.5	6.0	43	2	6	4.0	6.0	29	7	2	3.0	4.0
20	150	4	6	9.5	15.0	116	4	5	8.0	13.0	78	11	10	4.0	8.0	64	10	6	6.0	8.0	52	8	8	3.0	5.0	54	5	4	3.5	5.5	44	3	4	4.0	5.5	31	4	7	3.0	4.0
21	151	5	5	10.5	16.5	118	8	8	5.5	10.0	88	10	9	10.0	13.0	71	9	5	4.0	6.5	58	5	2	3.0	5.5	58	8	4	4.0	6.5	45	4	2	4.0	5.5	30	9	5	2.5	4.0
22	150	6	4	9.5	16.0	122	8	2	9.0	15.0	97	7	23	7.0	11.0	74	16	7	5.5	9.0	62	5	4	4.0	6.0	61	3	7	4.0	6.5	45	10	5	4.0	7.0	30	11	5	3.5	6.0
23	152	5	6	4.5	16.5	125	10	6	8.5	13.5	97	6	24	7.0	11.0	77	8	9	4.5	8.0	62	6	4	3.5	7.5	60	6	4	3.0	5.5	45	6	4	3.0	8.0	33	11	6	4.5	8.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-BL

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 50-60 S Long. 67.5-82.5W Month January 19 63

Hour (LST)	Frequency (Mc)																																							
	.013					.051					.160					.495					2.5					5					10					20				
	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}
00																																							
01																																							
02																																							
03																																							
04																																							
05																																							
06																																							
07																																							
08	142			9.5	14.5	102			11.5	18.5	69					52			1.5	3.0	25					30					34					29				
09	148			11.5	17.5	114					71			10.0	13.5	59			1.5	3.0	30					26					33					29				
10	152					120			9.0	14.5	75			9.0	13.5	49			4.5	8.0	30					38					33					29				
11	154			8.5	13.5	122			7.5	11.5	79					63			2.5	4.5	30					30					33					29				
12	156					124					79			10.0	17.0	61			3.0	5.0	30					30					35					29				
13	156					126			6.5	10.5	91			8.5	16.0	61					32					36					39					31				
14	156					126			6.0	10.0	91			7.5	14.5	63					32					46					39					31				
15	156					124			6.5	11.5	87			8.5	15.0	61					34					48					43					33				
16	154					124			8.0	11.0	87					61			2.0	4.0	52					48					45					29				
17	154			8.5	13.5	120			9.0	13.5	87					61			2.5	4.5	48					46										27				
18	150			9.5	18.5	120					83					63			3.0	5.0	54					48					41					27				
19	148			12.0	19.0	120					93					83										56					43					29				
20	148					126					105			13.5	21.5	85					60					52					39					25				
21																																							
22																																							
23																																							

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 50-60 S Long. 52.5-67.5 W Month January 1963

Hour (LST)	Frequency (Mc)																																	
	.013					.051					.160					.495					2.5					5					10					20				
	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*
00	152			9.0	14.5	128					102					86			3.5	6.5	69			5.0	7.5	66			4.5	7.0	45			4.0	6.0	29			1.5	3.0
01	150			8.0	14.0	127					103			5.5	9.5	80					68			5.0	7.0	63			5.0	8.5	48			5.5	8.5	33			2.5	4.0
02	150			10.5	16.5	126					99					78			5.0	10.5	74			4.5	7.0	62			5.0	7.5	45			3.5	5.5	28			2.0	4.0
03	148					119					90			7.5	11.5	71			8.5	14.5	68			6.0	9.5	59			4.5	7.0	44			5.0	7.0	29			2.0	3.5
04	148					116					73					60					56			6.0	9.0	56			5.0	8.0	42			6.0	8.0	28			4.5	6.5
05	150					114					73					60			2.5	4.5	56					52			5.0	7.5	51			7.0	10.0	33			6.0	7.5
06	149					111					72			9.5	13.5	62					52			11.0	15.0	46			5.0	7.0	43			6.5	9.0	29				
07	148					110					76					60					39			4.5	7.0	36			4.0	5.5	38			4.0	5.0	28			3.0	5.0
08	148					110					74					62					32			4.0	6.0	34			6.0	7.0	29			4.0	5.5	29			2.0	3.0
09	148					110					74					62					34			3.5	5.5	34			5.5	7.5	33			8.0	9.0	29			2.5	4.5
10	149					116					74					62					34			5.0	6.5	34			6.5	9.0	40			4.0	5.5	27			2.5	3.5
11	151					117					76					64					33			4.5	6.0	32			4.0	6.0	29			3.5	5.0	28			2.5	3.5
12	152					120					80					64					32			4.5	6.0	30			6.0	7.5	32			3.0	4.5	33			1.5	2.0
13	154					120					84					60					34			3.0	4.5	38			5.5	8.0	35			4.0	5.5	29			3.0	4.5
14	154					124					82					60					33			4.5	6.0	42					37			4.0	5.0	31			2.5	4.5
15	156					126					86					62					36			4.0	6.5	44			3.0	5.0	41			3.0	7.0	31			3.0	4.0
16	158					123					88					62					35			3.5	5.0	48			3.5	5.5	45			3.5	5.5	33			2.5	4.5
17	156					122					84					62					44			2.5	5.0	46			2.5	5.0	45			2.5	5.0	31			2.5	4.0
18	154					121					82					62					50			3.5	6.5	48			4.0	6.0	47			2.5	5.5	31			2.0	4.0
19	154					118					92					71					54			3.5	6.0	54			3.0	5.5	47			3.0	5.5	31			2.5	4.5
20	154					118					92					77					64			2.0	6.5	60			3.0	5.5	47			3.5	6.0	29			1.5	4.0
21	152					130					104					80					68			3.5	5.5	64			3.5	6.0	47			4.0	6.0	28			2.0	3.0
22	150					132					107					89					68			4.0	6.5	64			4.0	6.5	49			3.5	6.0	35			1.0	2.5
23	156					127					98					82					72			4.0	6.0	63			3.0	5.0	47			4.5	6.5	32			3.0	4.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 60-70 S Long. 37.5-52.5 W Month February 19 63

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*
00	147	7	4	10.0	15.0	122	6	7	7.0	12.0	93	12	10	10.0	16.0	80	3	4	7.5	14.0	59	8	5	3.0	5.0	61	5	5	3.0	6.0	43	7	4	3.5	5.0	30	2	3	3.0	4.5
01	148	6	7	10.5	16.5	120	9	6	8.0	12.5	95	12	11	8.0	13.0	82	4	9	7.5	14.0	58	7	3	3.5	5.5	61	3	6	2.5	4.0	46	5	6	3.0	5.0	*30			1.5	2.0
02	148	5	6	11.0	17.5	120	8	5	8.5	13.5	91	11	4	8.5	17.0	80	4	7	8.0	15.0	60	3	7	4.0	6.0	59	4	6	3.0	5.5	44	8	5	3.0	5.0	30	4	4	2.0	3.0
03	146	6	8	13.0	19.0	118	10	9	9.0	15.0	91	9	6	9.5	17.0	78	2	6	7.5	14.5	57	9	3	7.0	10.0	63	8	8	3.0	6.0	42	9	5	3.5	5.0	28	2	1	2.0	*2.5
04	146	5	8	13.0	19.5	114	8	7	9.0	13.0	85	9	9	13.0	19.0	70	22	10	8.0	12.5	54	8	6	5.0	7.5	61	8	4	4.0	7.0	42	15	6	4.0	5.0	30	12	3	1.0	2.5
05	146	5	8	14.0	21.0	113	12	7	8.5	13.5	77	14	11	5.5	9.0	63	27	13	4.5	13.0	48	21	9	4.5	18.0	65	6	6	4.0	7.0	40	28	5			30	17	1		
06	144	6	6	8.0	16.5	*108			9.5	13.0	69	17	7	5.0	9.5	63	13	9	2.5	4.0	50	12	23			57	17	4	10.5	14.0	42	19	8	2.5	4.5	30	8	3	2.5	4.0
07	144	3	8	11.5	17.5	102	10	8	11.0	15.5	67	2	6	6.5	8.5	58	5	4	3.0	5.5	50	4	26	4.0	6.5	45	6	4	4.0	7.5	34	2	2	2.0	3.0	28	14	1	2.5	4.5
08	146	3	8	10.0	15.5	102	6	5	7.5	10.5	65	13	3	7.5	9.0	60	3	7	3.5	7.0	42	12	17	6.5	10.0	39	5	2	3.5	5.5	32	3	2	3.0	4.5	28	5	0	1.5	2.0
09	146	4	15	9.0	14.0	101	9	4	10.5	15.0	68	11	4	8.0	9.0	61	4	7	3.5	6.0	32	19	8	5.0	9.5	37	6	4	5.0	7.0	32	5	2	3.0	5.0	29	2	1	2.0	3.5
10	146	3	1	7.0	11.0	106	12	11	7.0	10.0	67	8	5	5.0	7.0	61	6	6	2.5	4.5	35	18	13	3.0	5.0	39	5	11	5.0	8.0	30	5	1	3.0	6.0	30	2	2	2.0	4.0
11	147	4	4	7.0	11.0	103	12	7	5.5	8.5	67	10	6	7.0	9.5	62	5	9	2.5	5.0	*32			4.0	6.0	36	7	8	5.0	8.0	31	2	2	2.0	4.0	30	0	2	2.0	4.0
12	148	4	6	7.0	11.0	110	7	14	9.0	13.0	69	9	6	5.0	7.0	60	10	6	2.5	4.0	32	22	9	2.0	4.0	35	9	7	4.0	7.5	30	3	4	2.0	5.0	28	3	1	1.5	3.5
13	150	3	6	8.0	13.0	110	11	12	8.0	13.0	71	14	8	8.5	10.0	60	4	4	2.0	4.5	30	23	7	2.5	4.0	33	10	5	5.0	7.0	32	4	4	2.0	3.5	*30			2.5	5.0
14	150	4	5	9.0	13.0	112	9	8	10.0	15.0	69	12	6	3.5	6.0	62	6	4	2.0	4.0	30	24	6	2.0	4.0	33	11	5	5.5	8.0	32	2	2	2.5	4.0	28	3	0	1.5	3.0
15	152	3	5	9.0	14.0	112	7	7	8.0	12.5	68	14	5	3.0	5.0	62	5	5	2.0	4.0	44	10	20	7.0	8.5	35	16	7	7.0	9.0	32	5	4	1.0	2.5	28	12	2	2.5	4.0
16	152	3	4	9.5	14.5	113	7	8	5.5	9.5	71	10	7	2.5	4.5	61	6	9	3.5	6.5	42	16	17	3.0	4.5	39	6	7			36	6	3	3.0	4.0	28	3	0	1.5	3.0
17	150	5	6	8.0	12.5	112	5	7	7.0	11.0	73	12	9	6.0	6.5	61	9	4	2.5	4.0	46	9	17	4.0	7.0	45	5	5	2.5	4.5	40	6	7	3.5	6.0	28	3	0	1.5	3.0
18	151	3	4	9.0	14.0	112	5	7	6.0	12.0	71	4	10	4.0	7.0	60	5	4	2.0	4.0	49	4	12	3.5	6.0	53	4	7	2.5	5.0	44	5	9	3.5	5.5	28	3	2	1.5	3.0
19	149	3	9	8.0	13.0	114	5	6	6.5	10.5	75	3	9	4.0	7.0	64	5	5	3.0	7.0	52	5	6	3.0	5.0	55	9	3	4.0	7.0	44	8	6	3.0	5.0	28	3	0	1.5	2.5
20	150	2	6	9.0	8.5	117	7	4	6.0	11.0	85	11	12	6.0	11.0	76	4	6	4.0	7.5	58	8	6	3.5	6.0	59	3	3	3.0	5.0	44	11	7	3.0	4.5	28	6	1	1.0	3.0
21	150	3	5	11.0	17.0	122	6	6	7.5	12.5	92	7	13	6.0	11.0	80	4	5	5.0	9.5	*60			3.0	7.0	59	7	5	3.0	5.0	44	5	7	3.0	4.5	28	3	2	1.5	4.0
22	150	4	5	9.5	15.0	124	6	7	8.5	13.5	93	9	13	7.0	13.0	81	4	9	7.0	12.5	60	7	6	5.0	7.0	61	2	8	2.0	6.0	42	9	7	3.0	5.0	29	4	3	1.5	2.5
23	148	5	10	9.0	14.0	122	8	7	8.0	13.0	93	11	12	7.5	12.5	82	6	8	7.0	13.5	61	8	6	3.0	8.0	63	4	9	3.0	7.0	46	4	7	4.0	6.0	28	6	1	3.0	4.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-DL

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 50-60 S Long. 67.5-82.5 W Month February 19 63

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5					5					10					20				
	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}
00	148					122			11.0	17.0	91			9.0	15.5	70					48					51					38					28				
01	148					124			12.5	18.0	92			8.5	14.5	70					54														28				
02	148					122			12.0	17.5	92			7.5	13.5	70			4.5	7.5	48					49					38					28				
03	150			7.0	14.0	118			9.5	15.0	87					62			2.0	4.5						55					40					28				
04																																								
05	148					120					85					66					42					41					40					28				
06	148					118					91					64					36					35					40					28				
07	150					118					89					64					30					35					34					28				
08	148					122					83					58					30					29					32					26				
09	144					118					81					56					28					29					34					28				
10	136					116					75					60					28					29					30					28				
11	146					118					75					58					30					29										28				
12	150					120					75					60										39					32					28				
13	150			8.5	13.0	120			8.0	14.0	73					64			2.0	4.0	43					36					30					28				
14	151					122			8.5	14.5	78					70			3.0	5.5	40					35					33					32				
15	150					120			8.0	14.0	75					65			2.0	3.0	41					35					33					30				
16	148					110					63					54			2.0	4.0	30					25					14					28				
17	148					106			7.5	12.0	67					62			2.0	4.0	30					25										32				
18	146			7.5	12.0	110					71					62					42					41					40					28				
19	146			8.0	12.0	112			7.0	11.0	85					62			2.0	4.0	48					47					40					24				
20	148					120			8.5	14.0	87			6.5	11.5	66					48					47					34					28				
21	148					122			9.0	14.5	91			6.5	12.5	72			4.5	8.0	50					55					40					28				
22	148					120			8.5	14.0	85					74			5.5	9.0	50					51										28				
23	148			7.5	13.0	120					85			9.5	15.5	68					48					51										28				

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 50-60 S Long. 52.5-67.5W Month February 19 63

Frequency (Mc)

Hour (LST)	.013 Fam*	Du	Dℓ	Vdm*	Ldm*	.051 Fam*	Du	Dℓ	Vdm*	Ldm*	.160 Fam*	Du	Dℓ	Vdm*	Ldm*	.495 Fam*	Du	Dℓ	Vdm*	Ldm*
00	151			7.0	11.0	129					105			10.0	15.0	85				
01	151			7.5	14.0	129					102			9.5	17.0	84			7.0	13.0
02	149					128			12.0	19.5	103					85				
03	147					127			13.0	20.5	101			10.0	19.5	83			9.0	16.0
04	149					124					94					66				
05	149					119					79					63				
06	147					112			13.0	21.5	71					59			1.5	3.0
07	147			9.5	16.5	107					75					60				
08	146					107			16.5	22.5	75					63				
09	147			10.5	17.0	109			16.0	21.5	78			10.5	15.0	64			2.0	3.5
10	146					108					71					65			2.5	4.5
11	147			9.0	13.5	110					89					65			2.5	5.0
12	152					116					81					64				
13	152					122					87			10.0	16.0	62			2.5	4.5
14	156			9.5	14.5	126					91					64			1.5	4.0
15	156			8.5	13.0	128					95			8.5	13.5	64			3.0	5.0
16	155			7.0	11.0	126					95			7.5	13.0	68			2.0	4.0
17	158			7.5	11.5	128			5.0	9.5	95			5.0	9.5	69				
18	152			8.5	12.5	124					91					68			2.5	4.5
19	153			8.0	12.0	124					90					75			2.0	3.5
20	153			9.0	15.0	124					105					77			5.5	10.0
21	153			9.5	15.0	129					105					86			6.5	12.0
22	153			10.0	15.0	132			11.0	17.5	104			8.0	12.5	85			8.0	10.5
23	150			8.0	12.0	130			11.0	17.0	104			7.5	13.0	84			7.0	11.0

Hour (LST)	2.5 Fam*	Du	Dℓ	Vdm	Ldm	5 Fam*	Du	Dℓ	Vdm	Ldm	10 Fam*	Du	Dℓ	Vdm	Ldm	20 Fam*	Du	Dℓ	Vdm	Ldm
00	62					61					46					31				
01	61					59					46					30				
02	60					61					43					30				
03	56					57					43					29				
04	59					63					49					31				
05	53					57					44					31				
06	32					45					39					31				
07	31					37					36					31				
08	26					33					34					32				
09	40					39					35					35				
10	28					34					32					33				
11	39					37					32					30				
12	26					45					34					34				
13	56					35					34					32				
14	56					45					32					32				
15	54					43					34					32				
16	43					44					44					34				
17	60					51					45					38				
18	47					48					45					35				
19	56					56					48					35				
20	64					61					48					31				
21	67					57					44									
22	66					61					48					35				
23	64					63					49					34				

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 50-60 S Long. 37.5-52.5W Month February 1963

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495				
	F_{am}^*	D_u	D_ℓ	V_{dm}^*	L_{dm}^*	F_{am}^*	D_u	D_ℓ	V_{dm}^*	L_{dm}^*	F_{am}^*	D_u	D_ℓ	V_{dm}^*	L_{dm}^*	F_{am}^*	D_u	D_ℓ	V_{dm}^*	L_{dm}^*
00	150			11.0	17.0	130			9.0	15.5	105			8.0	14.5	86			8.0	14.0
01	150			12.5	19.5	130			8.0	14.5	107			6.0	11.0	86			6.0	10.5
02	150			11.5	18.5	130			7.0	13.0	105			9.0	17.0	86			7.0	14.5
03	150					130			12.0	18.5	103			7.0	16.0	86			5.5	11.5
04	150			12.0	18.5	128			11.0	15.5	101			8.0	15.0	78			5.5	15.0
05	150					122			10.0	16.5	85					76				
06	150			11.5	18.0	118			10.0	15.5	79					72			2.5	4.5
07	148			12.0	19.0	116			9.0	15.5	79					64			2.0	4.5
08	148			11.0	17.0	115			9.0	15.0	77			6.0	9.5	65			2.0	3.5
09	148			11.0	18.0	115			7.0	12.0	80			7.5	12.0	66			1.0	2.5
10	150			10.0	16.0	114			12.0	18.5	75					66				
11	148					110			12.0	19.0	74			7.0	10.0	66			2.0	3.5
12	150			10.5	17.5	118			10.5	17.0	79			4.0	9.5	64			3.0	7.0
13	146			10.5	16.0	120			9.0	15.5	79			6.5	10.0	63				
14	148					121			8.0	13.0	77			6.5	10.5	66				
15	152			9.5	15.0	120			7.5	12.5	72			7.0	10.5	64			3.0	5.0
16	150					120			8.0	12.5	77			5.5	8.5	63			3.0	6.5
17	152			7.5	12.0	118			6.5	11.0	75			10.0	14.0	64			2.0	4.0
18	152			7.0	12.0	118			7.0	11.5	74					64			1.5	3.5
19	150			8.5	13.5	120			7.0	11.5	78			7.5	11.5	68				
20	149			8.0	13.5	122			8.5	13.0	97			5.5	10.0	78			3.5	7.0
21	152					129			9.0	14.5	104			6.0	11.0	82			4.0	7.5
22	154					130			8.5	14.0	103			7.0	12.0	86			4.5	8.5
23	154			11.0	17.5	130			9.0	15.0	103			8.0	14.0	86				

Hour (LST)	2.5					5					10					20				
	F_{am}^*	D_u	D_ℓ	V_{dm}^*	L_{dm}^*	F_{am}^*	D_u	D_ℓ	V_{dm}^*	L_{dm}^*	F_{am}^*	D_u	D_ℓ	V_{dm}^*	L_{dm}^*	F_{am}^*	D_u	D_ℓ	V_{dm}^*	L_{dm}^*
00	64			4.0	6.0	61			3.5	6.0	46			3.5	6.5	30			3.0	4.5
01	62			4.0	6.0	61			3.0	6.0	48			2.5	4.5	30			2.0	3.0
02	64			4.0	6.5	65			3.0	5.5	46			3.5	6.0	30			3.0	4.0
03	62			4.5	7.5	65			2.5	5.0	46			3.5	6.0	30			2.0	3.0
04	62			5.0	8.0	63			4.5	7.5	46			4.5	7.0	30			2.0	3.5
05	56			5.5	8.5	61			4.5	8.0	50			8.0	9.5	34			4.0	3.0
06	48			9.0	10.5	51			5.0	8.5	46			7.5	13.0	31			1.0	2.0
07	36			6.0	8.5	43			5.0	8.0	40			3.5	6.5	30			2.0	3.0
08	32			2.5	4.5	36			5.5	8.0	36			4.0	6.0	30			1.5	3.0
09	28			4.0	5.5	35			7.5	10.5	34			2.0	5.0	30			2.0	3.0
10	26					35			5.5	8.0	33			2.0	3.5	30			3.0	4.0
11	26			3.0	5.0	35			5.0	7.5	34			3.0	5.0	30			2.0	3.0
12	30			3.5	6.0	35			4.0	6.5	34			3.0	5.5	30			2.0	3.5
13	42			4.0	6.0	38			5.0	8.0	33			3.5	5.0	30			2.5	4.0
14	42			3.5	5.5	39			5.5	7.5	34			2.5	4.5	30			2.0	2.5
15	42			3.0	5.0	37			4.5	7.0	38			7.0	4.5	30			2.0	3.0
16	46			4.0	7.0	38			5.0	7.0	38			3.0	5.0	30			2.0	3.5
17	42			3.0	6.0	39			2.5	5.0	41			3.0	5.5	31			2.0	3.0
18	42			3.0	5.0	51			2.5	4.5	44			3.0	5.0	28			2.0	3.0
19	49			3.0	5.5	57			2.5	5.0	46			3.0	5.0	30			2.0	3.0
20	59			3.0	5.0	62			2.5	4.5	48			3.0	5.0	28			2.0	3.5
21	64			3.5	6.0	65			4.5	8.0	48			3.0	6.0	30			3.0	5.5
22	62			3.0	5.0	63			3.5	6.0	46			3.5	5.0	30			3.0	4.0
23	62			4.0	7.5	64			3.0	5.5	46			4.0	5.5	30			1.0	3.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-BL

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Enkoping, Sweden Lat. 59.5N Long. 17.3E Month December 1962

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	152	4	2	10.0	16.0*	117	5	4	9.5	15.0	95	9	4	6.0	9.5	73	11	7	2.5	4.5	53	12	4	3.0	6.0	49	5	4	5.0	8.5	32	4	4	2.0	4.0	19	0	4	1.0	3.0
01	152	4	4	10.5	17.0	117	6	3	9.0	15.0	95	10	2	6.0	11.5	73	17	8	3.0	4.5	55	24	6	4.0	7.5	49	6	4	5.5	9.0	32	4	4	1.5	4.0	19	1	4	1.5	3.0
02	152	3	2	12.0	19.0	117	7	2	9.0	15.0	99	4	8	5.5	9.5	73	12	8	2.0	4.5	53	16	5	5.5	8.0	49	6	2	5.0	9.0	30	7	2	1.0	3.5	17	2	2	1.0	3.0
03	152	4	2	12.5	19.5	117	6	4	10.5	16.5	95	8	4	3.0	7.0	71	14	9	2.0	3.0	51	6	4	6.0	11.0	49	4	4	4.5	8.5	30	4	2	1.0	3.0	17	3	2	1.0	3.0
04	152	4	4	12.5	20.0	115	8	2	10.0	16.5	95	9	4	4.5	8.5	70	15	8	2.5	4.0	51	6	5	4.0	7.5	47	5	4	6.5	10.5	30	3	2	1.0	3.0	17	4	2	1.5	3.0
05	152	3	2	13.5	21.0	117	5	5	10.0	16.0	99	6	4	3.5	7.0	67	18	10	1.5	3.0	51	3	6	2.0	5.0	47	4	4	4.5	8.0	30	2	0	1.0	2.5	19	2	4	1.0	2.5
06	152	3	4	12.0	19.5	113	6	2	11.0	18.0	101	6	7	5.5	9.0	65	10	12	1.0	3.5	49	9	4	4.5	8.5	47	6	4	3.0	6.5	32	2	2	*0.5	*2.0	18	3	3	1.0	2.5
07	152	3	3	12.0	19.5	113	6	6	11.5	17.5	93	8	8	3.5	7.0	64	11	7	2.0	3.0	49	6	6	4.5	9.0	47	4	6	3.0	6.5	38	4	6	*6.0	*10.0	19	2	4	1.0	2.5
08	150	3	2	12.5	19.5	107	6	6	11.0	17.0	85	6	4	4.0	7.0	65	7	8	2.0	5.0	47	13	8			45	6	2	*5.0	*8.0	38	6	5	*4.0	*6.5	19	2	4	1.0	3.5
09	148	3	3	13.0	20.0	103	8	4	*13.0	*17.0	86	8	5	2.0	4.0	62	10	8	2.0	1.0	34	18	3	3.0	6.0	35	9	6	2.5	5.5	36	9	3	*6.0	*9.5	19	3	4	1.5	4.0
10	147	3	6	14.0	21.0	102	9	7	*13.5	*18.0	93	5	9	3.5	7.0	62	9	9	1.0	3.5	33	10	4	3.5	6.5	27	9	4	*2.5	*5.0	34	14	4	*7.0	*11.5	19	4	4	2.0	4.5
11	146	2	2	13.5	20.0	103	10	10	15.0	18.0	90	5	6	4.5	9.0	61	11	10	0.5	1.5	31	10	2	2.5	5.5	25	10	5			40	10	8			19	2	4	*1.0	*3.5
12	146	4	4	12.0	18.0	100	12	7	15.0	19.0	93	5	6	5.0	10.0	61	12	10	2.0	3.0	33	4	4	3.0	5.0	25	15	5	3.5	5.0	44	10	10	*9.0	*16.0	19	2	2	*2.0	*3.5
13	147	3	3	10.5	17.0	99	12	8	15.5	21.5	91	8	6	5.0	9.5	63	10	6	1.5	3.5	31	10	4	1.5	3.0	29	27	4	*2.5	5.0	*52					19	2	4	1.5	3.5
14	147	3	3	10.0	15.5	103	12	12	14.0	20.5	89	6	6	4.5	7.5	67	12	8	3.0	5.0	35	23	7	2.0	6.0	37	8	4	*2.0	4.5	50	12	9	*5.0	*10.0	21	1	4	1.5	3.0
15	146	5	2	10.0	16.0	107	6	10	15.5	23.0	87	8	6	3.0	5.0	71	10	11	1.5	2.5	*49					43	14	4	2.5	5.0	42	12	6	*5.0	*8.5	19	2	4	1.0	3.0
16	148	4	4	10.5	16.0	109	6	10	14.5	20.5	90	7	7	1.5	2.5	70	17	7	1.5	3.0	51	12	12			45	8	2	*3.0	6.0	46	22	10	8.0	*12.5	19	2	4	1.0	3.0
17	149	3	4	10.0	15.0	113	6	8	11.5	17.0	93	6	4	2.5	4.0	75	14	8	2.0	2.0	53	10	6			49	10	6	*4.0	7.0	40	18	8	*5.5	*12.0	17	3	2	1.0	3.0
18	150	4	4	9.5	14.0	115	4	6	9.0	15.0	95	8	4	4.0	8.0	75	9	13	2.0	2.5	51	10	4	5.5	10.0	49	4	6	4.0	7.0	36	14	6	*2.5	*5.0	17	2	2	0.5	2.5
19	152	2	4	10.0	15.0	115	4	6	10.0	15.0	95	6	4	3.0	6.5	73	6	6	2.0	5.0	51	4	6	4.5	8.0	47	4	4	*4.0	6.0	30	8	1	1.5	3.5	17	2	2	1.0	3.0
20	150	5	2	11.0	17.0	115	7	4	9.5	15.5	97	5	7	5.0	9.5	73	14	10	3.0	5.0	53	8	6	4.0	8.0	49	6	6	3.5	6.5	30	3	2	1.0	3.0	17	2	2	1.5	3.0
21	152	4	4	9.5	15.5	117	6	6	11.0	17.5	99	4	6	3.5	8.0	77	16	12	2.5	4.0	55	6	6	3.0	6.0	49	5	4	3.5	7.0	30	7	0	1.0	3.0	17	2	2	1.5	3.0
22	152	4	2	10.0	16.0	117	5	4	10.5	16.5	97	6	4	4.0	8.0	73	16	8	3.5	5.0	52	4	5	5.5	10.0	51	4	6	3.0	6.5	30	7	2	1.0	3.0	17	2	2	2.0	3.0
23	152	4	2	10.0	15.5	117	6	5	11.0	16.5	95	8	4	3.5	7.0	75	15	10	2.0	4.0	53	8	4	4.0	7.5	51	5	6	4.0	8.0	30	6	2	1.0	3.0	17	2	2	1.0	3.0

F_{am} = median value of effective antenna noise in db obave ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-DL

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Enkoping, Sweden Lat. 59.5N Long. 17.3E Month January 1963

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	152	3	1	9.0	15.0	117	5	4	8.5	15.0	99	6	8	5.0	8.0	76	14	6	2.0	4.0
01	152	2	2	9.5	15.5	117	4	4	*6.0	*10.5	101	6	4	4.5	7.5	76	10	6	2.5	5.0
02	152	2	2	10.0	16.0	115	6	2	8.0	13.5	100	6	7	4.0	8.5	76	16	8	4.5	8.0
03	152	2	2	10.0	17.0	117	4	6	8.5	13.5	97	10	2	4.0	8.5	72	18	4	3.0	6.5
04	151	2	1	9.5	16.0	115	5	4	11.0	17.5	100	5	6	3.0	6.0	70	20	4	2.0	4.0
05	152	2	2	10.0	16.5	116	5	5	11.5	17.0	103	2	6	4.5	8.5	67	11	5	4.0	7.0
06	152	2	2	10.0	16.5	115	4	4	8.0	13.0	105	4	6	3.0	7.0	62	20	4	*3.5	*6.0
07	150	4	0	10.0	16.5	113	4	6	10.0	15.0	94	12	9	4.5	9.0	61	11	5	*3.5	*6.5
08	150	4	4	11.5	18.0	105	8	2	12.0	17.0	87	5	6	2.0	5.0	66	8	8	*1.0	*3.0
09	146	6	4	12.0	18.0	103	4	4	13.5	18.5	91	6	10	5.0	9.0	66	5	7	*4.0	*5.5
10	144	4	4	*13.0	*20.0	97	5	6	*11.0	*14.5	89	6	6	7.0	11.0	62	8	5	*2.0	*3.0
11	144	2	3	13.0	20.0	95	11	4	12.5	17.0	87	7	6	3.0	6.5	62	6	7	*2.0	*4.0
12	144	4	2	10.0	16.5	97	12	8	*13.5	*17.5	91	6	10	4.0	8.0	62	10	8	2.0	3.0
13	146	4	4	11.0	17.5	96	12	7	*14.5	*18.0	91	3	8	5.0	9.0	68	7	11	*1.5	*2.5
14	146	4	4	10.0	16.0	97	10	6	*9.0	*12.0	90	5	5	5.0	7.0	70	12	12	*3.0	*4.5
15	146	4	3	9.5	15.0	103	6	12	10.0	13.0	91	3	10	3.5	8.0	81	6	25	*1.5	*2.5
16	146	4	2	9.5	15.0	103	9	8	10.0	14.0	92	7	5	5.0	9.0	83	9	25	*2.0	*4.0
17	148	3	4	8.5	13.0	107	8	6	*9.0	*14.0	96	3	5	3.5	5.5	80	14	14	*3.0	*5.0
18	150	2	4	7.5	13.0	112	9	5	9.5	15.0	97	6	4	3.5	7.0	84	10	16	*4.0	*7.0
19	150	2	3	6.5	11.5	113	8	3	9.5	14.5	99	6	8	3.5	7.5	74	16	8	*2.0	*3.5
20	151	3	1	7.0	12.0	115	4	6	8.0	14.5	101	6	2	5.0	9.0	72	24	6	*2.0	*4.0
21	152	2	2	7.0	12.0	117	6	6	9.0	14.0	103	2	4	3.0	7.0	74	19	6	*3.0	*5.0
22	152	2	2	7.0	12.0	116	5	5	7.0	15.0	103	4	8	5.0	10.0	75	17	5	3.5	5.5
23	152	4	2	7.5	13.0	115	10	2	8.5	14.0	101	6	7	6.0	11.0	74	18	6	4.0	6.0

Hour (LST)	2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	55	9	8	3.0	6.0	51	4	4	3.0	6.0	34	4	4	2.0	4.0	20	2	4	1.0	2.5
01	55	6	6	3.0	6.0	51	4	4	3.5	6.5	34	4	4	2.0	4.5	20	2	4	1.0	2.5
02	55	6	4	3.0	6.0	49	4	4	*3.0	*6.0	32	6	2	2.0	4.5	20	2	4	*1.0	*2.5
03	55	4	7	4.0	8.0	49	4	4	*5.0	*8.0	32	4	2	2.5	4.0	20	2	4	1.0	3.0
04	53	6	4	3.0	6.5	49	2	4	*5.0	*7.0	32	2	2	1.5	3.5	20	2	4	1.5	3.0
05	53	4	4	3.0	6.0	51	9	8	*7.0	*11.0	30	4	0	1.5	2.5	20	2	2	1.0	3.0
06	53	8	4	4.0	7.0	47	6	4	*5.5	*9.0	32	8	2	*1.0	*3.0	20	2	4	1.0	3.0
07	52	5	7	2.5	8.0	49	6	4	*3.5	*6.0	38	4	4	*2.5	*4.5	20	2	4	1.0	2.5
08	47	8	6	2.5	5.5	47	4	4	*4.0	*6.0	42	6	8			22	2	4	*1.0	*3.0
09	39	11	4	4.0	9.5	39	8	6	*6.5	*9.0	44	8	7	*0.5	*3.5	20	2	2	*1.5	*3.0
10	37	14	4	3.0	5.0	36	21	6	*4.5	*7.0	46	13	9	*2.0	*4.5	22	3	3	*1.5	*3.0
11	35	8	6	2.5	6.0	33	21	8	*5.0	*7.0	52	8	15			22	13	2	*2.5	*4.5
12	33	4	6	5.0	8.0	32	7	7	*2.5	*3.5	49	11	8			22	2	4	*2.0	*3.5
13	33	6	6	5.5	8.5	34	8	8	*2.5	*5.0	51	5	9			29	3	3	1.0	3.0
14	35	4	6	2.5	5.0	39	4	13	*4.0	*7.0	49	13	11			20	5	5	1.0	3.0
15	41	6	8	1.0	4.0	41	7	3	*3.5	*6.5	40	23	6	*3.5	*5.5	20	2	2	1.0	3.0
16	43	13	4	3.0	5.0	45	12	2	2.5	5.5	51	19	13	*4.5	*6.0	20	3	3	1.0	2.5
17	47	15	2	5.5	9.0	47	4	6	*3.5	*6.5	*51			*9.0	*17.5	20	2	2	1.0	2.5
18	53	8	8	4.5	8.0	47	6	4	*3.0	*6.5	34	18	4	*2.0	*4.0	18	4	4	1.0	3.0
19	53	4	8	5.0	8.5	47	6	4	*2.0	*5.0	32	2	2	1.0	2.5	19	3	3	0.5	2.5
20	55	6	5	4.5	9.0	49	6	6	3.0	6.0	32	2	2	1.5	3.0	20	2	2	0.5	2.5
21	55	14	4	3.0	7.0	51	3	4	4.5	8.0	32	7	2	2.0	4.5	20	2	2	0.5	2.5
22	53	8	6	3.5	6.5	51	4	4	3.0	6.5	34	5	4	2.0	4.0	20	2	2	0.5	2.5
23	57	8	8	4.0	9.0	51	4	4	3.5	6.5	34	4	4	3.0	5.5	20	2	2	0.5	2.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Enkoping, Sweden Lat. 59.5N Long. 17.3E Month February 1963

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	152	2	2	9.0	14.5	117	4	3	8.5	13.0	95	10	4	5.5	9.0	74	18	6	*4.0	*7.0	58	6	8	4.0	7.0	52	6	6	4.5	7.0	34	8	4	3.0	6.0	19	1	2	0.5	2.0
01	152	2	3	10.5	16.0	117	4	5	7.5	12.0	101	6	6	3.5	9.0	74	16	4	*3.5	*6.5	54	8	4	3.5	6.0	52	8	6	3.0	6.0	32	10	2	3.0	5.5	19	2	2	0.5	2.0
02	152	2	2	10.5	16.0	117	4	4	*9.5	*15.5	99	8	8	4.5	9.0	74	11	8	4.0	7.5	58	2	9	5.0	9.0	52	4	6	3.5	7.0	32	10	2	3.0	6.0	19	2	0	1.0	2.5
03	152	2	3	10.0	16.0	117	4	6	10.0	15.5	97	11	4	8.5	13.0	72	16	8	4.0	7.5	54	7	4	4.0	7.0	52	6	4	4.5	7.5	32	10	2	2.0	4.0	19	2	1	1.0	2.5
04	152	2	3	10.5	17.0	117	4	6	10.5	16.0	99	8	6	4.5	9.5	68	19	6	*4.0	*6.5	54	8	2	3.0	7.0	52	6	6	4.0	7.5	32	4	2	2.0	3.5	19	2	0	1.0	2.5
05	152	2	2	11.0	18.0	115	5	4	11.5	17.0	101	4	4	3.0	7.0	65	15	5	*3.5	*5.5	56	4	6	3.0	6.5	50	6	6	*3.0	*6.0	32	6	2	*1.0	*3.0	19	2	1	0.5	2.5
06	152	2	3	11.5	18.0	111	6	4	10.5	17.5	101	6	12	4.0	9.0	60	7	4	*2.5	*4.0	52	4	3	4.0	7.5	51	5	5	2.5	5.0	34	15	2	*1.5	*4.0	19	2	1	1.0	3.0
07	150	2	3	12.5	18.0	111	4	9	13.0	18.5	87	6	2	3.5	7.0	60	12	4	*2.0	*4.0	52	15	5	5.0	7.0	50	4	4	*2.0	*4.5	40	7	4	*4.0	*6.5	19	3	3	1.0	2.5
08	146	4	4	11.5	17.5	103	8	6	12.5	17.0	89	8	4	5.0	9.0	60	6	4	*2.0	*3.5	41	5	7	4.5	7.0	48	4	6	*5.0	*8.0	40	9	4	*3.0	*5.0	21	2	2	*1.5	*3.0
09	144	4	2	11.5	18.0	98	11	5	*10.5	*14.5	89	7	4			58	10	1	*2.0	*4.0	36	2	6	4.0	6.0	40	4	7	*1.0	*3.5	42	10	8			21	2	3	*2.0	*4.0
10	144	3	3	11.5	19.0	95	11	5	13.5	16.0	91	6	4	5.0	9.0	57	9	3	*1.0	*3.0	34	4	4	3.0	5.0	34	10	4	*2.0	*4.0	43	20	7			21	2	4	2.0	4.0
11	146	2	4	13.0	19.0	97	8	6	10.0	14.0	88	11	3	2.0	6.0	54	16	2	*2.5	*4.5	34	4	5	4.5	7.0	32	7	7	*4.5	*8.5	48	9	14			22	4	3	3.5	5.0
12	146	0	4	10.5	15.5	97	5	7	*8.5	*11.0	93	5	5	7.0	12.0	56	19	4	*1.0	*3.0	34	2	6	2.0	4.0	30	6	4	*2.0	*4.0	*46					21	2	2	2.0	4.0
13	146	2	2	9.0	15.0	95	9	6	*9.0	*13.0	91	8	6	9.5	12.0	58	9	4	*2.0	*4.0	32	5	4	3.0	5.5	30	6	5	*2.5	*4.0	44	9	8	*8.0	*12.0	20	3	3	*1.0	*3.0
14	146	4	2	9.0	13.0	97	12	4	11.5	15.5	92	5	7	7.0	8.5	60	6	6	*3.5	*5.0	32	6	5	3.0	5.5	36	8	6	*4.0	*6.0	43	17	3			20	3	3	1.5	3.5
15	146	4	2	7.0	11.5	101	12	7	*9.0	*14.0	91	6	6	6.0	10.0	60	15	6	*3.0	*5.0	34	6	4	4.0	6.0	39	9	4	*2.5	*5.0	44	13	7			19	2	2	1.0	3.0
16	146	4	2	7.5	11.0	107	7	6	*11.0	*17.5	93	6	6	4.5	8.0	69	17	11	*1.0	*3.0	*40			6.5	12.5	46	5	5	*2.5	*5.0	43	20	5	*2.0	*4.5	19	2	2	1.0	2.5
17	147	3	1	6.0	10.0	111	2	8	9.5	15.0	97	6	8	2.5	6.5	77	9	13	*2.5	*4.0	48	8	6	1.5	4.0	50	6	4	*3.0	*5.5	54	13	12			19	0	2	1.0	2.5
18	150	2	2	6.0	10.0	113	4	6	7.0	11.0	97	8	6	3.5	7.5	71	17	9	*2.5	*5.0	56	15	8	4.0	9.5	53	23	3	*3.5	*6.0	48	18	8	*3.0	*5.5	19	0	4	1.0	3.0
19	150	4	2	5.5	10.0	114	5	5	5.5	10.0	97	6	2	5.0	9.0	69	21	3	*1.0	*4.0	54	6	6	3.5	7.0	54	14	6	2.0	5.0	36	18	6	*2.5	*5.5	19	0	2	1.0	2.5
20	150	4	0	6.0	11.0	115	4	4	6.5	11.0	98	8	7	2.0	5.0	72	16	6	2.5	5.0	56	14	8	5.0	9.0	52	18	4	3.5	5.5	33	7	3	3.0	6.0	19	0	2	1.0	2.5
21	150	4	0	6.0	11.5	115	6	4	7.0	11.0	99	6	6	4.0	7.0	74	16	4	2.0	4.0	58	8	8	3.5	7.5	52	8	4	4.0	6.5	35	9	5	4.5	6.5	19	0	2	1.0	2.5
22	152	3	2	7.5	12.5	117	6	4	8.0	13.0	97	6	4	5.0	9.5	75	13	5	2.5	4.5	56	10	6			52	6	6	3.0	6.0	32	12	2	3.0	6.0	19	0	2	1.0	2.5
23	152	3	2	7.5	12.5	117	4	3	8.0	13.5	99	6	6	7.0	11.5	76	16	4	3.0	5.0	56	8	5			52	6	4	2.5	5.5	34	10	4	2.5	5.5	19	2	2	0.5	2.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-DL

MONTH-HOUR VALUES OF RADIO NOISE

Station Front Royal, Virginia Lat. 38.8N Long. 78.2W Month December 19 62

Frequency (Mc)

Hour (LST)	.135					.500					2.5				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	103	5	5			83	9	6			57	7	4		
01	104	7	6			83	9	7			58	8	5		
02	103	9	5			81	12	5			59	7	5		
03	101	8	5			78	14	2			58	9	4		
04	98	9	5			75	13	5			54	10	4		
05	97	9	5			71	15	5			54	10	6		
06	94	7	4			67	7	5			51	7	3		
07	90	5	3			60	7	3			47	3	3		
08	86	7	4			56	5	3			37	5	3		
09	85	9	3			55	5	3			35	4	5		
10	86	8	4			56	5	4			34	5	4		
11	86	6	4			56	6	4			33	4	3		
12	85	6	3			56	6	3			33	3	4		
13	85	8	3			56	6	4			33	3	5		
14	85	8	3			56	7	3			33	4	4		
15	85	9	3			57	6	5			34	7	3		
16	90	8	3			62	6	7			39	7	6		
17	93	11	5			65	11	8			48	5	6		
18	94	11	5			72	10	7			52	6	5		
19	95	9	4			75	10	5			54	8	6		
20	101	7	6			78	10	7			56	9	4		
21	101	7	6			79	10	5			57	6	4		
22	102	7	6			79	11	3			56	8	2		
23	102	5	6			80	10	4			57	8	5		

Hour (LST)	5					10					20														
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	52	6	5			32	3	1			22	1	1												
01	53	6	6			32	2	1			22	1	1												
02	52	7	4			32	2	2			22	1	1												
03	53	8	5			32	3	1			22	1	1												
04	52	8	5			32	3	1			23	1	1												
05	51	9	5			32	3	2			24	0	1												
06	51	6	4			32	3	1			24	0	1												
07	50	3	3			33	5	1			24	1	1												
08	41	3	4			36	4	2			27	2	1												
09	36	5	2			35	4	2			27	2	0												
10	35	3	4			34	4	1			27	2	0												
11	33	4	3			34	4	1			27	2	1												
12	32	4	3			37	2	3			26	2	0												
13	31	6	3			37	3	3			26	2	0												
14	33	5	4			38	3	3			26	3	0												
15	37	4	4			41	3	5			27	1	1												
16	46	4	6			41	3	5			25	2	1												
17	50	5	5			40	5	4			24	2	0												
18	50	7	4			39	5	5			24	1	1												
19	50	8	4			37	6	3			24	0	1												
20	52	7	4			33	4	1			22	1	0												
21	52	7	4			33	2	2			22	1	1												
22	51	8	4			32	2	1			22	0	1												
23	52	7	5			32	4	1			22	0	1												

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Front Royal, Virginia Lat. 38.8N Long. 78.2W Month January 19 63

Hour (LST)	Frequency (Mc)																																					
	.135					.500					2.5					5					10					20														
	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	106	12	8			82	10	8			60	5	5			54	4	4			33	2	0			23	1	0											
01	106	7	8			82	8	9			61	5	6			53	6	3			33	3	1			23	1	0											
02	103	10	8			80	11	8			60	6	4			53	7	4			33	1	1			24	0	1											
03	100	11	6			79	10	9			59	7	4			53	8	5			33	1	1			24	0	1											
04	98	11	7			76	10	9			57	11	3			53	8	6			35	2	1			23	0	1											
05	96	13	6			71	13	6			58	11	6			52	8	5			36	1	2			23	1	1											
06	94	11	6			68	10	9			57	7	7			52	6	3			36	1	1			23	1	0											
07	92	7	6			62	5	8			51	7	3			52	4	4			37	3	2			23	1	0											
08	86	12	4			59	5	7			36	7	5			40	8	3			33	4	2			24	1	0											
09	86	10	4			59	5	6			34	5	5			36	7	5			32	2	1			24	1	1											
10	86	11	4			57	7	4			32	4	3			32	7	5			31	3	1			24	1	1											
11	87	10	4			57	6	5			31	5	2			32	4	5			31	2	2			24	0	1											
12	86	7	3			57	6	4			32	3	4			31	4	5			31	3	2			26	1	1											
13	87	5	4			57	5	4			32	4	4			32	3	5			31	4	2			26	1	1											
14	88	8	5			56	7	3			32	6	4			33	4	5			32	3	2			26	1	0											
15	88	3	4			58	5	4			34	4	5			36	4	4			34	4	2			26	1	0											
16	91	4	5			59	7	3			38	5	6			44	5	7			36	3	3			24	1	1											
17	95	7	6			63	9	6			49	5	6			50	4	7			36	4	2			24	1	1											
18	93	10	5			71	9	7			55	5	5			50	5	4			34	5	2			24	1	1											
19	95	10	6			74	9	9			56	7	4			50	5	4			33	3	2			23	1	0											
20	102	8	6			78	10	7			60	5	5			53	5	2			34	2	1			23	1	1											
21	104	6	8			82	6	9			60	6	4			54	4	4			33	1	1			23	1	1											
22	106	8	9			81	10	7			60	6	4			54	5	3			33	1	1			23	1	1											
23	106	13	9			82	12	7			60	6	4			54	4	3			33	2	1			23	1	1											

F_{am} = median value of effective antenno noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Front Royal, Virginia Lat. 38.8N Long. 78.2W Month February 19 63

Frequency (Mc)

Hour (LST)	.135					.500					2.5					5					10					20																
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	105	11	8			83	13	6			63	11	6			46	8	5			30	2	1			23	1	1													
01	102	13	5			82	15	6			62	11	5			46	9	6			30	2	1			24	0	1													
02	101	12	8			80	17	4			63	11	8			45	9	5			30	3	1			24	0	1													
03	99	15	8			80	17	5			61	15	6			43	12	3			30	2	1			24	0	1													
04	99	15	6			77	19	6			59	14	6			42	14	2			32	3	1			24	1	1													
05	97	17	6			73	20	7			59	14	8			43	13	5			32	3	1			24	1	1													
06	95	15	6			67	22	7			56	14	5			44	10	4			33	3	1			24	1	1													
07	91	11	5			58	10	4			47	10	3			42	10	4			35	6	2			24	1	1													
08	86	9	5			56	6	4			41	6	4			41	9	2			34	6	3			24	1	1													
09	88	7	7			56	4	5			38	3	4			38	6	2			33	3	3			24	1	1													
10	86	9	5			56	3	4			35	3	3			36	5	2			32	4	2			24	1	1													
11	85	11	3			56	2	4			34	1	4			33	5	4			31	4	2			24	1	1													
12	85	10	3			55	3	3			33	1	4			32	5	3			35	4	2			26	1	1													
13	85	10	3			55	3	3			33	3	2			33	5	4			35	4	2			26	1	1													
14	86	7	3			54	2	2			34	2	2			34	5	3			37	4	2			26	2	1													
15	85	10	2			55	3	3			37	1	5			37	5	3			39	7	2			24	0	1													
16	88	10	4			58	4	4			39	7	4			35	7	2			36	14	2			24	1	1													
17	92	7	6			60	8	6			49	5	5			44	4	3			37	17	3			23	2	1													
18	94	10	6			72	9	11			55	9	3			48	4	5			37	14	3			23	2	1													
19	97	13	7			68	10	10			60	8	4			48	5	5			35	10	3			23	1	1													
20	103	9	9			80	9	9			63	8	4			47	7	3			32	2	1			23	1	1													
21	105	5	6			79	13	6			63	9	5			47	7	4			31	2	1			23	0	1													
22	104	9	5			80	12	5			63	8	7			48	5	5			30	3	1			23	1	1													
23	106	8	7			80	14	4			62	11	5			47	7	4			30	2	1			23	1	1													

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-DC

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Ibadan, Nigeria Lat. 7.4N Long. 3.9E Month November 19 59

Hour (LST)	Frequency (Mc)																																					
	.051					.113					.246					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	135	3	16	8.5	16.0*	120	7	17	8.0	14.5	105	7	13	8.5	16.5	86	8	8	6.5	15.0	58	8	16	6.5	12.0	56	4	11	5.0	10.0	41	4	9	4.5	8.5	28	4	2	2.5	5.0
01	133	6	4	9.0	16.5	122	7	10	8.5	15.5	105	5	12	8.0	17.0	86	7	10	7.0	16.0	58	8	8	6.0	10.5	54	4	15	3.5	8.0	41	4	8	4.0	8.0	29	1	5	3.0	5.5
02	133	6	18	9.0	16.5	118	8	12	9.0	15.0	101	8	6	9.0	17.5	84	9	8	8.0	16.5	58	7	15	5.5	14.5	52	6	4	6.0	10.5	41	4	8	4.5	9.0	26	4	6	2.5	5.5
03	133	6	18	10.0	18.5	116	8	4	9.5	15.5	99	8	8	9.5	19.0	82	11	6	9.0	18.0	58	8	17	4.5	10.5	56	4	12	5.5	10.0	41	4	13	4.0	8.0	26	2	6	2.0	4.0
04	133	3	15	10.0	18.0	118	6	8	10.0	16.0	101	7	14	10.0	20.0	82	12	10	10.0	21.0	58	8	17	5.5	13.5	56	4	14	6.0	10.5	38	7	9	3.0	7.0	24	2	2	1.5	3.0
05	129	8	16	11.5	20.0	114	6	7	12.0	19.0	90	7	7	*13.0	*23.0	72	14	13	*11.0	*21.0	52	10	8	9.5	16.0	54	6	10	6.0	11.0	37	5	9	3.5	7.0	26	4	2	2.0	4.5
06	121	14	8	12.5	21.0	111	11	12	11.0	16.0	87	23	14	*13.0	*21.5	68	26	10			42	14	10	9.0	16.0	50	4	10	6.5	11.0	39	4	14	6.0	11.0	28	2	4	3.0	7.0
07	119	18	10	*13.0	*22.0	106	17	6	5.0	7.0	81	31	8	*14.0	*22.0	66	23	10	*6.5	*9.5	36	18	8	9.0	15.0	44	4	12			35	6	10	6.5	10.5	28	8	4	4.0	7.5
08	116	21	9	*13.5	*22.0	108	16	12	12.0	15.5	84	21	14	*9.5	*16.5	65	15	11			34	17	2	5.0	6.5	36	8	9	5.5	14.5	33	6	12	10.0	16.5	26	4	4	4.0	7.0
09	117	20	11	14.0	24.0	105	19	7	10.0	17.0	83	18	15	*13.0	*17.0	63	15	9	*12.5	*19.5	37	9	6	11.0	13.5	32	10	5			31	7	12			24	6	2	2.5	4.5
10	117	19	9	*13.0	*22.0	105	17	9	9.5	15.0	82	22	14	*11.0	*22.0	62	25	9	*9.0	*20.0	32	8	4			32	4	4			31	4	8			24	8	3	2.0	4.5
11	123	15	18	*12.5	*21.5	107	17	15	*12.0	*21.5	87	22	14	*11.0	*19.0	76	20	20	*10.0	*22.0	43	23	13			34	18	6	7.5	15.0	37	5	10			28	8	4		
12	129	14	16	*10.5	*18.0	117	13	19	11.5	18.0	94	23	21	*10.0	*19.0	80	22	21	*8.0	*19.0	41	15	8	7.0	11.5	34	15	7	10.0	14.0	33	12	6			28	5	4	4.0	7.0
13	137	9	26	11.0	16.0	120	14	18	10.0	16.0	105	15	24	10.5	20.0	92	10	33	10.5	20.0	47	15	11	8.0	13.5	38	13	8	10.0	15.0	35	8	8	2.5	3.5	30	4	2	3.5	5.5
14	137	11	17	8.0	15.5	125	12	19	10.0	19.0	111	10	31	9.5	20.5	96	10	27	8.0	17.0	54	14	18	8.0	15.0	42	12	10	7.0	12.0	36	7	9	7.0	10.0	31	5	3	2.5	6.0
15	142	8	11	9.0	16.0	128	10	18	10.0	18.0	113	14	19	10.0	18.0	98	12	24	9.5	18.5	54	16	22	8.5	15.0	48	6	12	6.5	13.0	41	2	14	5.0	9.0	33	5	5	3.0	5.5
16	143	8	12	9.5	17.0	130	9	18	11.0	19.5	113	15	24	10.0	18.5	99	13	29	7.5	17.0	58	10	20	8.0	13.5	52	8	14	5.0	11.0	40	7	11	4.0	7.5	32	10	4	2.5	5.5
17	141	13	11	10.0	18.0	128	15	14	9.0	17.5	113	17	16	11.0	19.0	94	23	16	5.5	11.0	58	17	16	8.5	14.0	56	12	12	3.5	6.0	46	9	15	4.0	7.5	30	17	6	6.0	11.0
18	141	14	11	9.0	16.0	125	16	10	8.5	17.5	108	20	16	8.5	17.0	90	21	10	7.0	13.5	66	19	20	4.5	7.0	60	10	16	4.5	8.0	43	9	10	4.5	8.0	26	12	4	3.0	6.0
19	129	9	9	9.5	15.5	128	8	12	8.0	14.5	109	11	15	7.0	14.5	93	10	8	7.0	12.5	66	7	12	4.0	7.5	58	6	6	3.5	7.0	41	8	8	4.0	8.5	30	2	6	3.0	6.5
20	136	10	7	10.0	17.5	124	9	12	8.0	14.0	108	11	13	7.0	12.5	91	10	10	6.0	12.5	62	10	18	3.0	7.5	58	6	12	5.0	9.0	43	9	10	5.0	8.5	28	4	2	2.5	5.0
21	135	6	5	8.0	15.0	122	7	9	7.0	13.5	107	7	13	6.5	13.0	89	7	15	6.5	13.0	60	8	12	3.5	8.0	54	8	10	4.0	8.5	43	10	16	5.0	9.0	28	4	4	3.0	5.5
22	133	9	16	8.5	16.5	122	8	15	8.0	13.5	107	7	16	6.5	14.0	90	6	14	5.5	12.0	58	10	10	5.0	9.0	54	6	8	4.0	8.0	43	4	14	4.0	9.0	28	2	4	3.5	6.0
23	135	4	20	8.0	15.0	120	8	6	8.5	16.0	105	7	15	7.5	16.0	89	7	13	7.0	15.0	58	7	12	5.0	9.5	54	6	6	5.0	9.0	41	4	15	4.0	9.0	28	4	2	3.0	6.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-DL

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Ibadan, Nigeria Lat. 7.4 N Long. 3.9 E Month December 1959

Frequency (Mc)

Hour (LST)	.051 F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	.113 F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	.246 F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	.545 F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	120	13	13	*6.0	*16.0	108	9	8	11.5	17.0	94	10	10	9.0	13.5	80	8	6	*9.0	*16.0
01	120	13	8	*9.5	*17.0	114	5	12	10.5	16.0	98	5	14	10.0	19.0	80	10	6	7.0	14.0
02	122	11	10	10.0	17.0	110	8	14	10.0	15.0	94	9	10	10.0	18.0	78	12	9	9.0	16.0
03	120	13	8	9.5	16.0	112	4	11	10.5	17.0	90	12	7	10.0	20.0	80	5	9	*8.0	*13.0
04	120	10	8	11.5	18.5	108	8	8	11.5	16.5	90	11	5	11.5	18.5	76	8	12	10.0	19.5
05	120	12	8	*13.5	*21.0	106	9	9	15.0	19.0	90	12	23	*14.0	*23.0	70	8	12	*13.0	*24.0
06	116	12	6	*12.0	*20.0	102	7	18	*14.0	*18.5	83	10	16	*13.0	*22.0	62	17	10	*12.0	*21.5
07	115	11	8	*16.0	*25.0	102	11	6	*12.0	*17.0	82	9	18	*14.0	*25.0	62	10	14	*13.0	*25.0
08	116	15	12	*17.0	*26.0	100	16	7	*12.5	*16.0	81	9	15	*12.5	*25.5	62	12	10		
09	112	14	10	*12.0	*20.0	104	10	9	*14.0	*19.5	78	12	7	*16.0	*25.0	60	10	12	*16.5	*21.5
10	114	8	4	*17.0	*26.0	102	10	9	8.5	9.5	76	11	13	*15.0	*25.0	59	13	11	*15.0	*23.0
11	114	8	8	*15.0	*21.0	100	12	10	*9.5	*16.0	78	14	8	*15.5	*27.0	62	10	14	*16.0	*25.0
12	118	8	10	*11.0	*20.0	100	10	19	*11.5	*18.0	82	8	10	*12.0	*20.0	62	14	8	*14.0	*24.0
13	118	12	6	12.0	21.0	102	16	6	14.5	22.0	84	16	16	14.0	24.0	66	20	16	*12.5	*25.0
14	120	15	10	11.5	18.0	108	16	11	12.0	21.5	84	21	20	*13.0	*23.0	68	18	20	13.0	22.0
15	124	13	14	12.0	19.5	112	12	22	13.0	22.0	88	22	21	11.0	19.0	70	22	19	13.0	21.5
16	120	16	12	9.5	17.0	111	15	26	10.5	19.0	91	19	30	12.5	23.0	62	30	18	12.5	23.0
17	118	18	15	10.0	17.0	109	16	21	12.5	19.0	90	20	24	13.0	18.5	74	18	21	8.5	14.0
18	120	13	8	10.0	18.0	108	19	10	7.5	12.5	89	20	12	*11.0	*18.0	77	11	13	*5.5	*10.5
19	120	16	10	*9.5	*17.0	110	13	19	8.5	15.0	92	17	14	7.0	15.5	80	10	12	8.0	15.0
20	120	15	10	8.0	15.0	110	10	20	10.0	16.0	94	10	13	*8.5	*16.0	78	11	13	*6.5	*11.5
21	119	17	7	9.5	15.5	108	14	10	9.0	16.0	94	11	24	6.5	15.5	78	11	7	6.5	12.5
22	119	15	7	9.0	16.0	111	10	16	8.5	15.5	92	11	11	8.0	13.5	80	9	7	6.5	13.0
23	119	15	9	*9.0	*14.0	109	8	10	9.5	17.5	91	14	8	9.0	16.0	78	10	9	*7.0	*13.0

Hour (LST)	2.5 F_{am}	D_u	D_ℓ	V_{dm}*	L_{dm}*	5 F_{am}	D_u	D_ℓ	V_{dm}*	L_{dm}*	10 F_{am}	D_u	D_ℓ	V_{dm}*	L_{dm}*	20 F_{am}	D_u	D_ℓ	V_{dm}*	L_{dm}*
00	52	6	24	6.0	10.0	49	4	18	4.0	8.0	37	6	20	4.0	7.5	26	4	2		
01	52	8	18	6.5	11.0	49	2	12	6.0	12.0	35	8	10	4.5	9.5	26	4	4	1.5	3.5
02	52	8	18	5.0	9.0	47	4	18			35	6	10	5.0	9.5	26	6	4		
03	46	8	16	9.5	14.0	49	4	20			37	4	14	5.0	9.0	26	4	2	2.0	5.0
04	50	8	15	8.0	13.5	49	2	20			35	6	10	5.0	9.5	24	4	4	1.0	3.5
05	48	10	16	12.0	17.0	49	6	12	4.0	8.5	33	8	10	5.0	7.5	26	4	4	2.0	3.0
06	40	12	18			45	10	15			33	8	11	5.5	10.0	26	6	4	2.0	3.5
07	36	10	17			43	6	14	8.0	13.0	32	6	13	9.5	12.5	26	4	4	1.0	4.0
08	30	12	8			31	8	10			29	7	11			26	7	4	5.0	5.5
09	28	12	10			27	6	9			25	5	11			24	2	4	1.5	3.0
10	30	9	10			29	6	11			27	6	12			24	6	3	2.0	5.0
11	30	12	7			27	11	4			23	12	10	5.0	6.0	26	4	6	3.0	6.0
12	*32					26	13	9			25	17	9			26	2	6	3.0	6.0
13	32	14	8	6.0	8.0	31	7	11			27	10	9			26	4	2		
14	30	14	6			29	14	9			32	3	11			28	7	2	3.5	6.0
15	32	19	14	4.5	6.5	38	12	18			29	8	14			29	3	5	2.5	6.5
16	42	10	23			43	10	19	4.5	7.0	34	10	15	3.0	5.0	29	8	1	2.0	5.0
17	44	13	23			45	8	18	8.5	13.0	35	9	11	1.5	4.0	26	4	2	1.5	5.0
18	46	15	10	4.5	9.0	45	8	23			35	8	13	5.5	6.5	26	10	4	2.0	4.0
19	46	9	13	7.5	11.0	47	6	15			35	12	16	6.0	9.0	24	13	2	2.0	4.0
20	51	13	21	7.0	12.0	51	8	20	5.0	10.0	35	7	18	5.0	8.0	26	14	4	2.0	5.0
21	48	14	18	5.0	9.5	51	9	23	4.5	9.5	35	8	18	3.0	7.0	26	7	4	1.5	4.0
22	48	12	12	6.0	11.0	49	6	12	5.0	9.0	35	6	8	4.0	7.5	26	6	4	3.0	6.0
23	49	13	17	5.5	10.0	45	10	12	4.5	9.5	36	7	15	3.5	7.0	26	4	2		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-DC

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Ibadan, Nigeria Lat. 7.4N Long. 3.9E Month January 1960

Hour (LST)	Frequency (Mc)																																					
	.051					.113					.246					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	135	7	15	6.0	12.0	119	10	15	5.0	10.5	104	8	20	5.0	12.0	*91			5.0	9.5	56			5.0	11.0	53			3.5	8.0	37			6.0	11.0	27			2.0	5.0
01	133	8	13	8.0	14.0	119	9	12	8.5	17.5	102	7	8	5.0	9.0	*91			5.0	11.0	56			5.0	11.0	53			4.0	8.5	33			5.0	10.0	27			2.0	4.0
02	134	8	14	8.5	15.5	121	8	10	6.5	16.0	103	10	15	6.5	14.5	91	6	12	6.0	11.5	60			4.5	12.0	51			6.0	11.0	41			5.0	11.0	29			2.0	5.0
03	134	8	13	9.0	16.0	121	7	9	7.0	13.5	105	7	10	6.0	13.0	*90			4.0	10.0	56			5.5	11.5	52			3.5	8.0	41			4.0	9.5	28			2.5	6.0
04	134	11	14	10.0	16.5	119	11	6	9.5	17.0	103	10	10	5.5	12.5	89	12	14	6.0	13.0	57			5.0	10.0	57			4.0	9.0	37			4.5	8.5	26			2.0	3.0
05	135	9	15	13.0	21.5	119	9	14	12.0	18.5	98	15	11	9.5	19.0	85	8	16	7.0	16.0	54			4.0	9.5	53			6.0	11.5	26			5.0	9.0	26			1.0	3.0
06	129	12	13	14.0	22.0	117	11	16	15.0	24.0	92	15	16	13.5	26.0	*73			10.0	22.0	50			6.0	12.0	49			5.0	9.0	36			5.5	11.5	26			0.5	3.5
07	128	13	16	15.0	24.5	111	16	22	13.0	23.0	89	20	12	11.0	20.0	*69					34			6.0	11.0	42					31			6.0	12.0	28			2.5	5.0
08	127	17	18	11.5	21.5	114	16	13	16.0	25.0	88	20	16	14.0	25.0	*77			11.0	18.0	27					35			8.0	14.0	21			6.5	12.5	28			1.5	3.0
09	122	19	19	11.5	17.5	108	22	12	9.0	18.5	92	18	14	14.0	24.5	*79					28					37					29					28				
10	122	21	13	11.0	22.0	105	22	12	9.0	18.5	*90			12.0	22.0	*81			9.5	17.5	27			11.0	17.5	30					24			5.0	8.0	26			3.0	6.0
11	118	22	10	9.5	16.0	102	25	19	9.0	17.0	90	18	20	9.0	18.0	*77			10.0	20.0	30			7.0	10.0	25					18			7.5	14.0	26			5.0	8.0
12	123	17	15	12.0	20.0	109	20	22	13.0	22.5	85	23	13	10.0	19.0	*75			10.0	18.5	26					36			2.0	5.0	21					25				
13	124	14	12	8.0	14.0	106	21	15	9.0	16.0	90	18	12	8.0	15.5	*74			6.5	14.0	24			7.0	11.0	39			3.0	8.0	26					26			3.0	5.5
14	125	15	7	8.0	13.5	107	22	15	9.0	16.0	88	24	15	8.0	15.0	*71			7.5	15.0	35			4.5	10.0	32			4.5	8.5	33			7.5	13.0	28			3.0	6.0
15	125	19	13	9.0	16.0	115	14	19	10.0	18.5	100	9	26	11.5	20.0	*78			8.5	17.0	30			7.5	11.0	29			9.0	15.0	19			5.5	9.0	28			2.0	7.5
16	134	9	27	12.0	19.5	117	12	20	10.0	19.0	102	10	30	12.0	22.0	*83			6.0	14.0	42			8.0	13.5	39			2.5	6.0	24					29			3.0	6.0
17	134	13	17	9.5	17.5	123	8	27	9.5	17.0	107	9	24	8.5	17.5	*87			6.5	14.0	40			5.5	8.5	52			6.5	11.5	37			3.0	6.0	28			3.0	6.0
18	133	14	22	8.0	16.0	119	15	18	7.0	13.0	108	8	24	8.0	14.5	*81			6.5	13.0	52			3.0	7.5	57			3.0	6.0	37			5.0	9.0	24			2.0	4.5
19	133	14	25	8.0	15.0	119	15	15	6.5	14.0	103	12	20	7.0	14.0	*87			6.0	12.5	52			5.0	9.0	54			2.0	5.0	34			4.0	11.0	22			1.5	4.0
20	136	11	22	6.0	13.5	121	12	16	6.5	12.5	104	13	22	5.0	11.5	*85			4.5	9.0	48			5.0	9.5	53					33			4.5	9.5	24			2.0	6.0
21	132	14	20	6.5	14.5	118	15	16	6.0	13.0	102	14	15	6.5	14.5	*86			8.0	15.0	56			4.0	8.0	57			7.0	13.0	30			5.5	9.5	23			2.0	4.5
22	137	10	17	6.0	13.5	122	12	26	6.0	11.0	104	14	12	4.0	10.0	*88			5.5	12.0	54			4.0	11.0	51			4.0	9.0	35			3.5	7.0	25			2.5	5.0
23	136	10	23	9.0	16.0	119	14	16	5.5	11.0	102	16	10	3.5	10.0	*92			6.5	13.0	58			7.0	13.5	54			3.0	7.0	39			4.0	8.5	24			2.5	4.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-DC

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Ibadan, Nigeria Lat. 7.4 N Long. 3.9 E Month February 1960

Hour (LST)	Frequency (Mc)																				2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00																					47	16	13			46	13	16			35	9	15			28	4	4		
01																					51	14	8			49	12	7			37	9	8			28	4	4		
02																					51	14	12			48	12	10			39	8	12			28	4	4		
03																					47	19	12			44	16	10			35	12	8			28	2	4		
04																					47	18	13			44	16	8			35	10	8			26	4	2		
05																					45	13	12			48	8	12			34	11	11			26	6	2		
06																					35	18	16			44	11	15			35	4	11			28	8	4		
07																					*33					38	8	11			*33					*30				
08																					*23					*32					*25					*26				
09																					*33					*30					*23					*26				
10																					*29					*26					*24					*26				
11																					*25					*24					*23					*23				
12																					*27					*32					*25					*24				
13																					*36					*32					*31					*28				
14																					*41					*32					*35					*32				
15																					*43					*36					*35					*30				
16																					*45					*46					*35					*30				
17																					*60					*50					*41					*30				
18																					52	26	28			*58					*38					*26				
19																					51	12	21			50	8	9			*33					*26				
20																					53	10	24			*53					39	4	10			28	2	2		
21																					*47					54	8	11			40	5	13			26	6	2		
22																					53	16	10			51	8	9			43	3	11			28	4	2		
23																					51	13	8			52	8	8			41	6	12			28	4	4		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-DL

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Ibadan, Nigeria Lat. 7.4 N Long. 3.9 E Month March 19 60

Hour (LST)	Frequency (Mc)																																	
	.051					.113					.246					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	*138					*126					110	6	10			*93					63	5	18			56	9	5			44	6	9			*29				
01	*136					124	10	4			*108					*96					62	11	13			58	7	9			44	5	13			29	3	2		
02	*138					*127					110	6	10			95	8	10			61	12	15			58	6	11			42	6	12			*29				
03	*142					*124					106	8	10			97	4	16			68	6	15			62	4	13			42	4	7			*27				
04	*135					*125					*108					*96					64	8	14			57	9	7			40	6	9			*27				
05	*137					*122					*100					*77					60	11	14			55	4	15			40	4	15			*27				
06	*129					*122					*94					*79					52	9	12			52	6	10			*42					*33				
07	*133					*121					*94					*73					*42					*52					*44					*31				
08	*134					*121					*94					73	12	12			*36					*40					*38					*28				
09	*133					*119					*90					69	10	10			*38					*44					*39					*27				
10	*134					122	6	24			*102					76	13	20			*40					*48					*40					*27				
11	*135					120	8	26			*101					81	13	21			*40					*42					*40					*29				
12	*135					124	6	10			*104					*83					*42					*40					*38					*31				
13	*135					128	5	14			104	12	20			79	20	16			*43					*40					*36					*29				
14	141	8	14			128	7	20			109	10	22			94	13	31			*48					*44					*37					*33				
15	142	11	11			132	7	18			112	9	21			93	20	22			*62					*54					*42					*33				
16	144	9	10			132	8	15			118	8	23			101	16	27			56	18	20			50	14	8			40	16	12			35	11	6		
17	147	5	18			132	9	17			118	12	24			101	16	17			54	20	14			57	22	11			45	10	5			33	12	4		
18	147	4	11			132	11	12			114	16	22			101	14	19			68	12	26			60	9	13			45	11	18			33	16	9		
19	*147					134	7	13			122	7	21			97	18	18			62	12	22			60	10	24			48	4	16			31	16	7		
20	*147					130	11	12			118	14	17			97	17	18			64	20	18			60	10	16			44	12	10			32	6	12		
21	142	13	15			128	16	10			111	19	13			97	21	28			61	13	27			57	10	14			44	11	13			31	12	6		
22	*143					128	10	8			106	18	9			95	18	16			60	11	16			56	10	15			42	15	12			31	6	4		
23	*138					122	14	3			106	14	22			95	11	17			58	11	16			56	7	25			42	11	15			31	4	4		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Ibadan, Nigeria Lat. 7.4 N Long. 3.9 E Month April 1960

Hour (LST)	Frequency (Mc)																																					
	.051					.113					.246					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	*156					*144					*130					*114					65	4	16			59	4	10	7.0	11.5	43	4	10	4.0	7.0	28	4	2		
01	*158					*144					*132					*118					63	4	16	5.0	10.0	59	4	16	5.0	9.0	43	4	18	4.0	7.0	28	2	4	4.0	6.0
02	*162					*150					*140					*124					63	6	6	6.0	11.0	59	6	6	5.5	9.5	43	4	14	4.5	8.5	26	8	1	4.0	17.0
03	*156					*150					*136					*116					64	3	9	4.5	7.0	59	4	6	4.5	8.0	41	6	14	5.0	8.0	27	5	3		
04	*154					*144					*128					*108					63	4	18	7.0	12.0	57	8	8	4.5	9.5	41	6	12	3.0	5.0	26	8	2	6.0	7.5
05	*150					*142					*126					*100					53	15	13	10.0	17.0	55	8	10			41	2	14	3.0	5.0	26	5	2	3.0	5.0
06	*148					*138					*122					*98					41	19	10	7.0	14.5	49	8	12	7.0	12.5	37	8	12	9.5	13.0	28	4	2		
07																					33	18	16			42	9	9			36	6	9	9.0	14.5	29	6	5		
08																					39	38	10			35	12	4	12.0	19.0	35	6	10	10.0	14.5	28	5	4	4.5	6.5
09																					37	31	8			31	16	2			31	9	8	12.0	17.0	24	8	2	6.0	8.5
10	*143			*15.0	*24.0	*139			*15.0	*27.0	*109					*89			12.0	23.5	35	22	10	12.0	14.0	28	16	10	15.0	21.0	29	7	7	9.0	14.0	25	8	5	8.0	10.0
11	*136			*9.0	*18.0	*128			*11.0	*20.5	*111			*12.5	*22.0	*84					35	25	12	13.0	17.5	31	14	9			31	8	7	10.5	15.0	26	7	4	4.0	8.0
12	*138			*12.5	*21.0	*121			*130	*22.5	*102			*17.5	*25.5	*78			14.0	25.0	39	23	8	13.0	22.5	31	17	6	10.0	16.0	33	8	4	10.0	14.0	28	6	4	6.0	9.5
13	*141			*10.0	*17.0	*124			*11.5	*18.0	*112			*12.0	*22.0	*90			11.0	20.5	39	24	12	10.0	15.0	31	16	6	11.5	13.5	37	6	10	9.0	12.5	30	6	4	3.5	6.5
14	*144			8.5	15.0	130	12	8	9.5	16.0	111	13	15	*10.0	*18.5	94	20	20	13.0	22.0	39	28	12	8.5	15.0	40	20	16	11.0	15.5	40	5	11	10.0	12.0	32	8	4		
15	146	10	14	10.0	16.0	133	11	15	9.5	16.5	117	16	21	*10.0	*18.0	98	18	24	11.0	20.5	47	26	25	9.0	13.5	43	17	13	12.0	14.0	41	10	10			34	6	6	4.0	6.5
16	148	10	12	7.0	13.0	134	11	23	*8.0	*15.5	116	14	18	10.0	18.0	98	14	22	9.0	18.0	49	21	16	9.5	12.0	49	16	10	5.5	10.5	45	2	12	4.0	6.5	34	6	4	3.5	7.0
17	145	9	9	10.0	15.5	136	8	12	8.5	15.5	116	12	12	9.5	14.5	98	10	16	7.0	15.5	61	8	24	3.0	6.0	55	8	12	2.0	4.0	43	9	6			34	7	4	5.0	8.0
18	*146			*8.0	*14.5	134	13	11	6.5	12.0	117	9	15	7.0	13.5	96	20	16	7.5	13.0	65	8	22			57	7	11			43	4	12			32	16	6		
19	*146			*6.0	*11.5	134	10	4	6.0	11.0	114	20	10	6.0	12.0	*97			4.5	8.0	67	4	20	3.0	5.5	60	9	25			43	6	5	8.5	12.5	30	10	6		
20	*146			*6.5	*12.5	*133			*6.0	*11.0	*113			*5.0	*11.0	91			5.0	11.0	68	7	24	3.0	10.0	63	4	26	4.5	9.0	45	4	14			28	8	6		
21	*148			*7.0	*11.0	130	10	6	8.5	15.0	110	18	6	*3.5	*6.0	90			5.0	10.0	64	9	17			63	6	18	3.0	6.5	43	6	16	4.0	7.5	29	7	5	4.0	6.5
22	*147			*6.5	*14.5	*133			*8.5	*17.0	*114			*6.0	*12.0	88			6.0	12.5	65	10	16	5.0	8.0	61	4	18	5.0	9.5	45	2	18	5.0	8.0	28	15	4		
23	*140			*6.0	*13.0	*129			*5.0	*12.5	*112			*7.0	*12.0	90			5.0	10.5	65	6	20	5.0	9.0	59	6	14	5.0	9.0	41	6	16	4.5	8.0	28	16	4		

F_{am} = median value of effective antenna noise in db abave ktb
D_u = ratio af upper decile to median in db
D_ℓ = ratio af median to lower decile in db
V_{dm} = median deviation af average voltage in db below mean power
L_{dm} = median deviation af average logarithm in db below mean power

USCOMM-NBS-DC

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Ibadan, Nigeria Lat. 7.4 N Long. 3.9 E Month May 1960

Hour (LST)	Frequency (Mc)																																	
	.051					.113					.246					.545					2.5					5					10					20				
	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*
00	149					138					122					102					56			3.0	6.0	51			3.0	6.5	40					24				
01	142					137					116					97					49			4.0	7.0	55			5.5	10.0	28			7.5	14.0	24			2.0	4.5
02	145					136					117					93					51			4.0	7.5	47			4.0	8.5	33					24			1.0	3.0
03	144					131					114					96					55			4.5	8.5	52			3.5	8.5	27					24			1.0	3.0
04	142					131					114					91					51			4.5	11.0	49			7.0	12.5	31			2.5	6.0	24				
05	149					128					113					82					41			7.0	11.5	40			4.5	8.5	30			3.5	7.0	24			0.5	2.0
06	140					130					112					80					33			13.0	18.5	27			13.0	16.5	34			5.5	7.5	24			0.5	2.5
07	130					123					101					78					25			9.0	9.0	31			3.5	5.0	24			9.0	14.0	26			3.0	5.5
08						128					112					70					31			10.5	14.0	27					30			10.0	15.0	25			2.0	7.5
09	118					117					92					67					27			8.0	10.0	26					25			8.0	14.0	24			2.0	5.0
10	130					121					89					64					31			10.0	16.5	27			9.0	11.5	24					24			3.5	6.5
11	118					122					92					68					34			12.0	16.0	30			8.5	12.0	29					24			1.5	4.0
12	130					120					97					61					37			6.5	14.5	31			8.5	11.5	32			5.5	10.0	28			4.5	9.5
13	130					127					114					64					34			6.5	12.0	31			9.0	14.0	35			7.0	11.5	31			2.0	5.0
14	147					128					118					69					53			11.0	14.0	43			9.0	16.0	36			4.5	11.0	30			5.0	9.0
15	141					132					117					76					56			8.5	14.0	47			7.5	12.5	42			5.0	7.0	32			2.0	5.0
16	145					134					116					84					48			7.0	13.0	49			3.5	7.0	42			3.5	6.5	34			2.0	5.0
17	147					134					120					92					57			6.0	11.0	54			7.5	8.0	44			6.0	8.5	34			3.5	6.5
18	148					134					114					96					59			3.0	6.0	53			4.0	7.0	42			9.0	12.0	32			9.0	12.5
19	148					132					114					94					63			2.5	9.0	53			6.0	7.0	42			4.0	7.0	35				
20	150					132					114					94					63			4.0	7.5	59			5.5	10.0	40			9.0	15.5	30			6.0	7.5
21	150					133					116					92					61			4.0	8.0	49			5.0	9.0	32			2.5	6.0	24			1.5	3.5
22	152					132					116					86					55			4.0	9.5	47			4.0	8.5	32			2.0	5.5	26			1.5	3.5
23	148					132					118					86					49			4.0	8.0	37			3.0	7.0	32			4.0	9.0	26			2.0	4.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Ibadan, Nigeria Lat. 7.4 N Long. 3.9 E Month July 19 60

Frequency (Mc)

Hour (LST)																					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}
00																					48					50					28					25				
01																					52					44					25					25				
02																					52					47					33					25				
03																					57					48					36					25				
04																					54					49					33					25				
05																					52					42					32					25				
06																					29					38					34					29				
07																					33					44					17					27				
08																					29					32					21					27				
09																					24					28					23					23				
10																					26					28					24					23				
11																					28					24					27					28				
12																					29					25					27					27				
13																					26					25					33					31				
14																					30					36					37					31				
15																					42					38					37					31				
16																					46					48					41					32				
17																					56					54					45					33				
18																					64					58					48					29				
19																					64					54					44					27				
20																					56					56					39					26				
21																					54					51					33					25				
22																					50					47					32					25				
23																					50					44					31					25				

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-BL

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Kekaha, Hawaii Lat. 22.0N Long. 159.7W Month December 1962

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5					5					10					20				
	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}
00	152	4	2	10.0	16.5	129	5	4	9.5	15.5	105	8	6	8.0	14.0	85	12	6	9.0	16.5	60	6	6			50	5	2			35	6	4			21	2	0		
01	152	4	4	9.5	15.5	131	3	5	9.0	15.5	105	8	4	9.0	15.5	87	9	8	10.0	17.0	60	7	6			54	3	6			35	6	4			21	2	0		
02	152	4	4	10.0	16.5	131	4	4	9.5	16.0	107	6	4	9.0	16.0	85	12	4	8.5	15.0	60	6	5			54	7	4			35	11	4			21	2	0		
03	152	4	5	10.0	16.5	131	3	3	10.0	17.0	107	6	4	9.0	16.5	85	11	6	8.5	15.0	60	6	5			54	5	6			35	7	4			21	2	0		
04	152	4	4	10.0	16.0	131	4	3	10.5	17.0	105	7	4	9.0	16.0	83	14	4	9.5	16.5	58	7	2			52	4	6			33	6	4			21	2	0		
05	154	2	4	10.5	17.0	131	4	3	11.0	17.5	105	6	4	9.5	17.0	83	12	8	9.5	17.5	58	8	3			50	5	4			31	5	2			23	0	2		
06	154	2	4	11.0	17.5	131	4	4	10.5	18.0	103	7	4	8.5	16.5	77	15	5	8.5	15.5	58	9	4			50	4	6			31	4	2			23	1	2		
07	154	2	2	11.0	17.5	123	6	2	10.5	17.5	89	12	7	10.5	18.5	61	14	7	5.0	8.0	56	7	6			50	4	6			35	6	4			23	2	0		
08	148	4	2	11.5	19.0	117	7	3	11.5	19.0	79	16	10	9.0	15.0	55	16	4	6.0	9.0	44	6	5			42	10	7			35	6	6			23	2	2		
09	147	5	3	12.5	19.5	107	14	6	14.0	21.0	77	18	8	8.0	13.5	53	22	2	5.0	7.5	36	10	6			28	15	4			33	7	8			23	2	2		
10	146	6	4	13.5	20.5	105	14	10	13.5	23.0	80	18	11	11.5	16.0	55	16	4	6.0	10.0	34	8	6			26	14	6			31	7	10			21	2	2		
11	147	6	3	13.0	21.0	107	13	10	13.0	20.5	81	17	12	10.0	17.0	55	13	6	4.0	7.0	32	6	4			24	12	4			29	5	10			21	4	3		
12	148	4	4	14.0	21.5	109	11	10	14.0	21.5	83	14	14	8.0	14.5	53	17	4	6.0	9.0	30	8	3			22	13	2			27	10	7			21	4	2		
13	148	4	4	14.0	22.0	106	14	7	12.5	18.5	81	19	12	10.5	20.0	53	24	2	4.0	6.5	30	8	2			23	12	5			27	10	9			23	4	2		
14	148	4	2	15.0	22.0	107	9	8	13.5	20.0	76	19	7	9.5	15.5	53	21	2	4.0	7.0	30	9	2			26	12	6			28	11	7			23	3	2		
15	148	5	4	14.5	22.0	105	13	5	13.0	21.0	74	18	5	7.0	12.5	53	14	2	4.0	7.0	30	11	3			24	15	4			29	9	4			23	2	2		
16	148	4	4	14.5	22.5	101	21	4	12.5	18.0	75	19	5	8.0	13.0	53	13	2	2.5	5.0	30	9	2			32	10	8			33	6	3			23	2	2		
17	148	3	6	13.0	20.0	105	20	7	10.5	16.5	85	11	10	10.5	19.0	61	19	6	6.5	11.5	38	9	6			42	11	8			35	6	4			23	1	2		
18	146	5	3	11.5	18.0	113	12	8	11.5	16.0	89	18	10	10.0	17.5	73	15	13	9.0	14.5	48	10	9			44	10	5			34	5	3			23	2	0		
19	150	5	7	9.5	15.5	117	11	7	11.5	17.0	93	14	10	12.5	21.5	75	18	9	9.5	17.0	52	11	7			46	6	7			33	6	2			23	2	2		
20	152	4	6	9.0	15.0	119	11	9	11.5	17.0	95	13	12	12.0	21.0	79	17	11	10.0	19.5	54	13	6			46	9	5			33	5	2			23	0	2		
21	152	3	3	8.5	14.0	121	10	4	12.0	18.0	97	13	9	12.0	20.5	83	14	11	9.5	17.0	56	12	6			48	8	5			35	6	3			23	0	2		
22	154	0	4	8.5	14.5	125	7	6	10.5	16.0	99	14	8	11.0	18.5	83	15	9	10.0	19.0	58	10	5			50	4	6			37	6	4			21	2	0		
23	152	4	2	10.0	16.5	127	7	4	9.0	15.5	103	10	8	9.5	16.0	85	13	9	10.0	18.0	60	7	6			48	4	2			37	3	4			21	2	0		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Kekaha, Hawaii Lat. 22.0N Long. 159.7W Month January 19 63

Hour (LST)	Frequency (Mc)																																							
	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	154	4	4	13.0	19.5	*133	6	6	12.0	18.5	111	6	6	12.5	21.0	93	10	8	11.5	21.0	64	7	6	7.0	13.5	56	6	6	5.0	8.5	36	4	4	4.0	6.5	22	0	2	2.0	3.5
01	154	4	4	13.5	20.0	133	4	2	13.5	20.5	113	4	6	11.0	19.0	95	6	10	10.0	20.0	66	9	8	7.0	13.5	56	8	6	5.0	9.0	34	6	2	3.5	6.0	22	0	2	2.0	4.0
02	154	4	4	15.0	20.0	133	4	4	14.5	21.0	113	4	6	12.0	20.5	93	8	8	11.0	20.5	66	8	7	7.0	13.5	60	6	6	6.0	10.0	36	8	4	4.0	6.5	22	1	2	2.0	3.5
03	154	4	4	14.0	20.0	134	5	5	14.0	21.0	113	4	4	12.0	20.5	93	8	8	12.0	21.0	64	10	3	7.0	12.0	58	6	7	6.0	10.5	34	6	3	4.0	6.0	22	2	0	2.0	3.5
04	154	4	4	13.0	19.0	133	6	4	13.0	21.5	111	8	8	12.0	20.0	93	8	8	13.0	22.5	66	5	6	7.0	13.5	56	5	6	6.5	10.0	32	6	2	3.0	4.5	22	1	0	1.5	3.0
05	154	6	4	12.0	19.0	135	4	6	13.5	21.5	110	9	7	12.5	20.0	91	8	6	11.0	19.0	66	9	6	8.0	13.0	54	6	6	7.0	10.0	32	3	2	2.5	4.0	22	2	0	1.5	3.5
06	154	6	2	12.0	19.0	133	4	4	13.5	21.0	109	6	6	12.0	20.5	87	14	6	12.5	21.5	64	6	4	8.0	13.0	52	6	4	7.0	10.0	32	3	2	2.0	4.0	24	0	2	1.5	3.5
07	154	4	2	13.0	19.0	127	6	2	*150	*22.0	99	8	4	16.0	23.5	71	12	6	13.5	21.5	62	8	6	8.0	13.0	56	6	6	8.0	13.0	38	4	4	6.0	9.0	24	2	2	2.0	4.0
08	150	6	2	14.0	20.0	123	8	4	14.0	22.0	93	12	10	14.0	22.0	67	15	12	*12.0	*18.0	50	4	4	8.0	14.0	48	8	4	8.0	13.5	42	7	6	7.5	11.5	24	3	2	2.0	4.0
09	150	6	4	14.0	21.0	121	10	10	17.0	23.0	93	12	8	*16.5	*21.5	65	19	10	*6.0	*12.0	42	6	6	5.5	9.0	40	8	4	6.0	9.5	40	8	4	8.0	14.0	24	2	2	2.5	4.5
10	150	6	4	15.0	21.0	117	14	10	15.5	23.0	95	8	11	*14.0	*23.0	63	20	8	10.0	14.0	36	10	6	5.0	8.0	34	12	8	6.0	10.0	40	6	6	8.5	13.0	24	2	2	3.5	6.0
11	152	6	5	16.5	21.5	118	15	7	16.5	21.5	95	10	10	12.0	22.5	63	20	10	10.0	15.0	34	12	6	3.5	6.0	32	10	6	*6.5	*11.0	37	7	7	8.5	13.5	22	4	2	4.0	6.0
12	152	6	3	16.0	22.5	118	12	5	18.0	26.0	95	12	14	12.5	22.5	63	27	8	9.0	12.5	32	14	6	3.0	6.0	32	10	8	6.0	12.0	34	8	6	7.5	13.0	22	2	2	3.5	6.0
13	152	6	4	16.0	23.0	119	12	8	18.0	24.5	93	17	13	13.5	23.0	63	25	10	*5.0	*7.0	31	14	5	2.5	4.5	30	10	8	6.0	10.0	36	6	10	9.0	15.0	24	4	4	3.5	5.0
14	152	6	4	18.0	25.5	119	14	8	14.0	22.0	96	17	17	*155	*25.0	65	28	10	*6.5	*12.0	32	12	4	2.0	4.0	32	18	10	*9.5	*16.5	36	8	6	9.0	14.0	24	2	2	*4.0	*5.5
15	150	8	4	17.0	24.0	121	11	11	18.0	25.5	94	20	9	*17.0	*24.0	68	24	13	*7.0	*11.5	36	19	6	*6.5	*10.5	40	10	12	8.5	15.0	39	7	7	*9.0	*12.5	24	1	2	*3.5	*5.0
16	152	2	4	18.0	24.5	119	14	10	19.0	26.0	91	24	14	*155	*24.5	61	31	6	*8.5	*11.5	40	16	8	7.0	13.5	43	11	13	9.0	15.0	40	4	4	7.5	11.0	24	2	2	2.5	5.0
17	150	6	4	17.0	24.5	122	11	15	*19.0	*24.5	97	15	15	*15.0	*24.0	71	19	14	11.0	17.0	45	15	9	6.0	12.5	50	7	10	7.5	13.0	42	4	5	7.0	11.0	22	4	0	2.0	4.0
18	150	6	6	16.0	22.0	125	11	12	16.0	24.0	101	14	15	15.0	22.5	85	14	17	*13.5	*22.0	56	12	9	7.5	14.5	55	5	13	8.0	14.5	39	9	5	5.5	9.0	22	1	0	2.0	4.0
19	152	4	6	15.0	22.5	127	9	11	15.0	23.5	105	10	11	14.0	24.5	89	11	14	*11.0	*22.0	64	8	10	8.0	15.0	54	6	6	8.0	14.0	40	8	6	7.0	11.0	22	2	2	2.0	4.0
20	152	6	4	15.5	22.5	127	10	7	15.5	22.5	107	7	11	13.0	23.0	93	6	10	12.0	21.5	64	6	9	9.0	17.0	54	6	6	8.5	14.5	38	8	4	6.0	8.5	22	2	2	2.0	4.0
21	154	4	4	15.0	22.0	129	7	7	15.0	21.0	110	5	11	13.5	22.0	91	8	11	13.0	23.0	64	8	8	8.0	15.5	54	7	6	7.5	13.5	39	7	4	5.0	7.5	22	0	2	2.0	4.0
22	154	4	4	12.5	19.5	131	6	6	15.5	22.0	109	9	6	13.5	22.5	93	8	7	12.5	22.5	64	6	7	7.5	14.0	56	5	6	6.5	12.0	38	5	4	4.0	6.5	22	0	2	2.0	3.5
23	154	4	4	13.0	19.5	131	8	6	14.0	20.5	111	6	6	12.0	20.5	95	6	8	12.0	21.5	64	7	4	7.5	13.0	56	5	6	6.0	10.0	38	4	6	4.0	7.0	22	0	2	2.0	3.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-DL

MONTH-HOUR VALUES OF RADIO NOISE

Station Kekaha, Hawaii Lat. 22.0N Long. 159.7W Month February 1963

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5					5					10					20				
	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	155	2	4	10.0	16.0	128	6	2	10.0	15.0	107	4	6	10.0	17.0	85	10	6	10.0	17.0	60	6	4	7.5	14.0	55	5	4	5.0	9.0	37	5	3	4.0	7.5	22	0	2	2.0	3.5
01	153	4	2	10.5	17.0	130	4	4	10.0	15.5	107	4	6	9.0	15.0	87	8	6	*12.0	*20.5	62	3	7	8.0	13.0	57	2	5	5.0	9.0	37	4	4	3.5	6.0	22	0	0	2.0	3.5
02	155	3	4	11.0	17.5	130	4	4	10.0	16.0	107	8	4	9.5	16.0	87	11	4	10.5	19.0	62	4	6	7.5	13.0	59	3	6	*5.0	*8.5	37	3	4	4.0	6.0	22	2	0	1.5	3.0
03	153	2	3	10.0	16.0	130	4	2	10.0	17.0	108	7	5	10.0	16.0	85	12	2	10.5	18.0	62	4	4	8.0	13.0	58	5	5	*4.5	*7.5	35	4	4	3.0	5.0	22	2	0	1.0	3.0
04	153	3	3	10.0	16.5	130	4	4	10.5	17.0	105	6	4	11.0	17.5	85	10	4	10.5	19.0	62	5	4	8.5	13.0	53	8	4	6.5	10.0	33	5	2	2.5	4.5	24	0	2	1.0	2.5
05	155	2	2	10.0	17.0	130	4	4	10.5	17.5	105	4	6	*10.0	*17.0	85	10	6	11.0	19.0	62	6	3	8.5	14.0	52	9	5	6.0	10.5	33	4	2	3.0	4.5	24	0	2	2.0	3.5
06	157	2	4	10.0	16.5	128	6	4	10.0	17.0	101	6	2	*10.0	*15.0	80	7	5	*12.0	*17.5	62	6	4	8.0	13.5	51	6	3	6.0	10.5	33	2	2	2.5	4.0	24	0	2	1.5	3.5
07	157	3	4	10.5	17.5	124	2	4	*11.0	*18.0	90	9	7	*9.5	*18.5	61	10	4	*10.0	*15.5	59	2	3	7.5	12.0	53	6	3	6.0	10.5	37	4	2	4.5	7.5	24	2	1	2.0	4.0
08	151	4	2	11.0	17.5	116	10	4	11.0	19.0	84	15	9	13.5	23.0	57	12	6	*7.0	*11.0	45	5	5	5.0	8.0	45	5	6	7.5	12.0	37	6	2	8.0	11.0	24	2	2	3.0	5.0
09	151	4	2	12.0	19.0	110	12	4	15.5	21.5	85	16	8	13.5	23.0	57	23	6	*9.0	*12.5	35	10	3	4.0	6.0	33	7	8	10.5	13.0	36	5	5	7.0	10.5	24	2	2	3.0	5.5
10	151	7	3	14.0	20.5	112	10	8	18.0	24.0	88	13	9	*18.0	*27.0	55	28	2	*5.5	*10.0	32	11	6	4.5	6.0	27	8	6	5.5	7.5	33	6	6	6.5	9.0	22	2	0	*3.0	5.0
11	153	4	4	*14.5	*21.5	113	12	7	18.0	24.5	87	22	6	*15.5	*24.0	55	36	4	*5.0	*8.0	28	25	2	3.0	5.0	23	16	4	5.5	8.0	33	4	10	5.5	9.0	22	2	0	*3.0	5.0
12	153	3	4	14.0	21.5	112	12	4	*16.0	*23.5	85	13	8	*17.0	*27.5	55	14	4	*5.0	*8.5	30	14	6	2.5	4.5	21	12	4	6.0	8.5	29	10	6	*5.0	*8.0	22	4	0	3.0	5.0
13	151	4	2	15.5	23.0	116	6	8	16.5	25.0	85	15	6	16.0	25.0	56	24	5	*8.0	*12.5	30	8	6	*1.5	*3.5	23	6	4	*4.0	*6.0	29	10	8	*7.5	*10.5	22	2	0	*3.0	5.5
14	153	2	4	15.0	22.5	114	10	6	17.0	25.5	88	26	10	*17.0	*25.5	57	32	6	*7.0	11.0	28	17	4	3.0	5.5	25	20	6	*3.5	*7.5	33	10	10	6.0	9.0	24	6	0	*3.0	5.0
15	153	2	5	15.0	24.0	112	12	4	18.0	25.0	87	12	10	*13.5	*24.5	57	28	4	9.5	14.5	30	10	4	2.0	4.0	25	16	6	*6.0	*8.5	33	8	6	5.5	8.5	24	4	2	*3.0	5.0
16	151	6	2	14.5	23.0	110	12	4	15.5	24.0	84	17	7	*15.0	*27.0	55	25	4	10.5	15.0	32	13	6	*2.0	*4.0	30	18	6	6.5	10.0	37	8	8	7.0	10.0	24	2	2	2.5	4.5
17	151	6	4	14.0	22.0	112	10	10	16.5	22.5	83	16	8	*14.5	*19.5	59	19	6	*8.5	*13.0	34	18	5	4.0	5.5	40	11	7	8.0	11.5	39	6	4	5.0	8.5	24	3	2	2.0	3.5
18	151	4	4	13.0	21.0	116	8	12	14.0	21.0	90	17	9	*18.5	*27.5	75	6	14	*15.5	*23.0	46	16	6	*8.0	*13.0	48	7	9	*9.0	*13.0	39	4	4	*5.0	*9.0	22	2	1	2.5	4.5
19	151	4	3	10.5	16.5	118	6	6	*13.0	*18.5	96	6	5	*13.5	*22.0	81	10	8	*13.5	*20.0	57	6	9	*12.5	*18.0	49	4	4	*8.0	*12.5	40	6	3	*5.0	*9.5	22	2	2	2.0	4.0
20	153	2	4	11.0	17.0	120	6	4	16.0	23.0	99	6	6	*15.0	*25.0	83	10	6	*14.0	*25.5	61	5	8	9.5	15.0	49	4	4	8.5	13.0	39	6	2	*5.0	*8.5	22	2	2	1.5	3.0
21	154	1	3	10.0	17.0	122	6	4	14.0	20.5	101	6	6	13.5	23.5	85	8	6	12.5	23.0	61	6	6	10.0	15.0	51	5	4	8.0	13.0	39	7	2	4.0	7.5	22	0	2	2.0	3.0
22	153	4	2	10.0	17.0	126	4	4	12.0	18.0	103	9	4	11.5	19.0	86	5	3	10.5	19.5	61	6	4	9.5	15.5	54	3	3	*6.0	*11.5	39	4	3	6.0	9.0	22	0	2	1.5	3.0
23	155	2	4	10.0	16.0	128	4	2	11.0	18.5	107	2	8	9.5	15.5	87	6	6	10.0	17.5	61	7	4	8.0	14.0	55	4	4	*6.0	*10.5	39	4	4	4.5	6.5	22	0	2	2.0	3.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of overage voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-DC

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station New Delhi, India Lat. 28.8 N Long. 77.3 E Month October 1962

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	153	2	2	8.0	12.0	132	4	5-	8.5	13.0	112	8	4	7.0	12.5	90	6	8	8.0	10.5	61	12	6			54	6	5-			41	8	4			25-	2	2		
01	153	2	2	8.0	13.0	131	3	5-	9.5	13.5	112	7	5-	8.5	13.5	90	6	8	6.0	8.5	60	5-	5-			56	6	6			41	4	4			25	2	3		
02	153	2	2	8.5	13.0	130	5-	3	9.5	14.5	112	7	7	8.5	13.0	88	8	4	7.0	11.0	59	7	8			54	4	4			41	6	4			25-	2	2		
03	153	2	2	9.0	14.0	131	4	4	10.0	15.5	108	4	2	10.5	15.5	88	6	4	7.5	11.0	61	11	6			52	6	7			40	9	3			23	2	2		
04	153	2	2	10.0	15.0	128	7	2	10.0	15.0	108	5-	5-	10.0	15.5	86	6	4	8.0	11.5	60	5-	7			52	4	4			37	10	2			25-	2	4		
05	153	2	2	11.0	16.5	128	8	4	10.5	16.0	104	4	5-	*8.0	*12.5	77	4	2	*4.0	*5.0	59	4	8			52	2	6			41	4	4			25-	2	2		
06	153	0	2	11.5	16.0	124	5-	4	10.0	15.0	88	8	6	6.5	12.0	73	9	3	*4.0	*7.0	53	8	6			46	8	2			43	2	4			25-	2	4		
07	149	2	4	11.0	16.0	118	7	4	11.0	16.0	89	13	7	*8.0	*10.0	74	10	5-	*2.0	*4.0	47	4	4			42	9	5-			39	7	2			25-	4	2		
08	147	6	3	*12.0	17.0	*114			*12.5	*17.0	*92			*4.5-	*7.0	*74			*1.0	*2.5	47	4	4			*48					*35-					*25-				
09	*147			*11.5	17.0	116	18	12	*15.0	*18.5	88	22	6			*74			*2.5	*4.5-	*45-					*38					*35-					*25-				
10	147	4	4	*12.0	19.0	*119			*14.0	*20.0	90	9	2	*7.0	*13.0	74	3	5-	*2.0	*3.0	*45-					*34					39	4	8			*26				
11	149	2	3	11.0	17.0	120	6	8	12.5	19.0	90	8	6	9.5	12.5	72	4	3	2.5	4.0	47	4	2			35-	5-	7			37	4	6			23	5-	0		
12	151	2	4	11.5	16.5	122	4	6	11.5	19.0	91	9	5-	7.5	12.0	72	6	4	2.5	4.0	45	2	6			34	4	8			31	9	4			23	4	0		
13	151	2	4	10.5	16.0	124	4	8	12.0	17.5	94	8	8	*9.0	*14.0	74	11	4	3.0	4.0	45-	6	6			34	9	7			43	2	10			25	4	2		
14	151	4	4	10.5	15.5	124	6	8	11.5	16.5	92	16	6	8.5	13.0	72	13	3	3.0	5.0	47	6	6			36	6	8			39	6	8			25-	7	0		
15	153	2	7	10.0	15.0	122	9	4	11.0	17.0	94	18	8	9.5	14.0	73	22	7	*5.0	*7.0	47	10	9			39	9	13			41	4	8			27	2	6		
16	152	3	3	9.5	14.0	122	9	4	11.0	16.5	94	12	10	8.5	12.5	74	8	2	3.5	5.0	47	9	9			44	8	10			44	5-	7			27	4	2		
17	151	2	2	8.0	12.0	124	4	6	10.5	16.0	105	5-	7	9.0	14.5	88	6	8	6.5	10.0	52	16	2			50	6	12			45	8	7			29	8	4		
18	151	2	0	7.5	11.0	120	5-	4	10.5	16.0	108	2	4	8.5	14.5	88	8	4	8.0	12.0	61	11	1			52	4	8			47	6	3			29	2	4		
19	153	2	2	7.0	10.5	127	4	7	9.5	15.5	108	3	5-	9.0	14.5	91	5-	7	7.5	11.0	59	4	8			50	6	6			47	6	4			27	2	4		
20	153	2	2	6.0	10.0	128	4	7	8.5	13.0	110	5-	8	7.0	11.5	90	8	8	7.0	11.0	59	4	4			52	4	6			47	4	6			26	1	3		
21	155-	0	2	7.0	10.0	130	5	3	7.5	11.5	110	6	4	6.5	10.0	89	9	5-	7.0	10.0	59	6	6			52	7	4			43	8	4			25-	2	2		
22	155-	2	3	7.0	10.5	130	5-	6	7.5	11.5	112	6	6	*7.0	*11.0	90	8	8	7.0	10.5	60	6	6			52	4	6			42	3	3			25-	2	2		
23	154	3	3	7.5	11.0	132	2	10	8.0	12.5	114	6	6	7.0	11.5	90	8	4	7.0	10.0	61	4	8			54	4	6			43	6	6			25-	2	2		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station New Delhi, India Lat. 28.8 N Long. 77.3 E Month November 19 62

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	155	5	2			130	4	4			107	6	7			84	14	4		
01	155	5	2			129	5	3			105	7	6			84	13	6		
02	155	5	2			129	6	4			104	6	6			84	8	8		
03	155	5	2			129	7	4			103	10	6			82	11	6		
04	155	4	2			127	6	3			101	12	6			80	11	6		
05	155	4	2			127	6	5			105	10	4			76	19	4		
06	155	2	2			124	8	6			93	15	8			72	19	4		
07	151	5	2			119	9	6			88	13	7			72	17	4		
08	149	4	4			*112					*87					*69				
09	*147					*111					*93					*72				
10	149	8	4			113	12	6			89	18	7			71	22	3		
11	150	7	3			119	7	10			90	20	8			72	22	4		
12	151	6	6			122	7	13			93	15	8			70	23	2		
13	151	6	5			120	10	9			93	14	8			70	12	2		
14	151	6	3			123	10	12			92	17	11			71	9	3		
15	153	4	4			117	15	8			91	22	12			70	21	2		
16	153	4	4			115	18	6			93	18	10			72	14	4		
17	153	5	4			117	16	4			99	12	13			76	12	4		
18	153	3	4			123	10	8			101	14	9			82	5	9		
19	155	2	4			124	11	6			105	11	9			82	17	7		
20	155	4	2			127	8	6			105	13	6			82	15	6		
21	157	2	2			128	6	5			107	11	4			84	7	8		
22	157	2	2			129	5	4			104	10	8			80	18	4		
23	157	2	4			129	6	4			107	8	8			85	12	9		

Hour (LST)	2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	56	8	4			55	4	2			37	5	3			26	2	2		
01	56	6	4			55	4	4			37	6	5			26	2	4		
02	57	8	5			55	2	5			38	3	5			26	2	2		
03	56	8	4			53	4	3			38	2	4			26	3	2		
04	56	6	5			53	5	4			36	6	2			26	2	2		
05	54	8	4			51	6	4			34	6	2			26	2	2		
06	51	10	5			56	3	6			40	4	4			26	2	4		
07	48	10	6			45	7	6			39	7	5			26	2	2		
08	47	6	5			43	4	10			*36					*26				
09	*47					*39					*34					*26				
10	46	6	4			39	10	6			*38					28	6	2		
11	46	3	4			39	10	4			40	3	8			29	5	5		
12	46	4	4			39	8	4			32	8	4			28	9	2		
13	46	2	4			39	11	2			40	6	10			30	4	4		
14	46	4	4			39	12	2			40	4	7			28	4	2		
15	47	5	4			41	13	4			39	7	5			28	4	0		
16	46	4	2			45	10	6			45	3	7			28	13	2		
17	49	11	3			51	7	8			46	8	8			28	4	2		
18	53	15	5			53	8	4			44	12	6			28	2	2		
19	52	16	4			53	8	4			42	4	4			28	0	4		
20	54	14	3			53	5	3			42	2	3			26	2	0		
21	55	13	3			53	4	1			40	8	4			26	2	2		
22	55	12	3			53	2	3			39	2	4			26	2	2		
23	56	10	4			53	4	2			36	4	3			26	2	2		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station New Delhi, India Lat. 28.8 N Long. 77.3 E Month December 1962

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	154	2	2	6.5	8.5	128	7	2	9.0	12.0	109	4	9	*7.5	*11.0	81	10	11	*7.5	*12.0	57	8	5	4.0	6.5	53	2	4	4.0	6.0	34	4	4	3.0	4.5	26	3	2	2.0	2.5
01	154	4	2	7.0	9.0	130	4	6	9.5	12.5	103	11	4	8.0	13.5	79	11	9	7.0	9.5	59	5	6	3.0	5.0	53	6	6	3.5	6.0	34	4	2	3.0	4.0	26	4	2	2.0	3.5
02	154	2	2	7.0	9.0	128	6	4	9.5	13.0	103	10	4	10.0	14.5	79	8	10	7.5	10.5	59	6	6	5.0	7.0	53	4	4	*5.0	*7.0	35	6	7	3.0	4.0	26	4	2	2.0	2.5
03	154	2	3	8.0	10.5	128	6	4	9.5	12.5	102	10	5	9.5	14.0	79	15	12	7.5	10.5	57	8	4	4.0	6.0	53	4	4	4.0	7.0	36	2	4	3.5	5.0	26	4	2	1.5	3.0
04	156	2	5	8.0	10.0	128	6	4	8.5	12.5	101	11	6	8.5	13.0	77	17	11	5.5	7.5	59	7	6	5.0	8.0	51	6	2	4.0	6.0	34	5	5	2.0	3.5	26	4	0	2.0	3.0
05	156	2	4	8.5	11.5	128	5	6	8.0	10.0	103	7	7	8.0	13.0	75	18	12	5.0	8.0	57	10	4	4.5	6.5	47	7	2	3.5	5.0	32	4	4	2.0	3.5	27	3	3	2.0	3.0
06	155	3	3	7.0	10.0	124	4	4	7.0	10.0	95	8	8	8.0	11.5	71	3	9	3.5	5.5	57	7	6	3.5	5.5	49	8	2	4.0	5.0	36	2	4	2.5	4.0	26	2	2	2.0	3.5
07	152	4	3	5.5	7.5	118	6	2	5.0	7.5	89	9	10	*6.5	*10.0	69	8	9	2.5	4.0	48	7	3	3.0	4.5	47	8	5	*4.0	*6.0	38	6	2	*2.5	*4.0	26	2	2	1.5	2.5
08	150	4	2	5.5	7.5	114	14	4	*5.0	*7.0	85	6	8	*6.0	*8.0	*70			*3.0	*5.0	45	4	6	*2.5	*3.5	41	8	5	*3.5	*5.0	36	4	3	*2.0	*4.0	*26			*2.0	*3.5
09	150	2	4	5.5	7.5	112	9	6	*6.0	*9.0	85	12	8	*6.0	*10.0	69	6	10	*2.0	*4.0	45	2	6	*3.0	*4.5	35	16	6	*2.5	*4.0	32	8	4	*3.5	*4.5	26	4	0	*2.0	*3.5
10	150	2	4	7.0	8.0	112	4	5	4.0	6.0	87	10	10	*8.0	*12.0	69	9	10	*2.0	*3.0	45	2	6	*2.5	*4.0	34	7	5	*4.0	*5.0	38	4	8	*2.5	*4.0	26	4	2	*2.5	*3.5
11	149	5	3	7.5	9.5	112	11	5	4.0	6.0	85	11	12	*8.0	*10.5	68	7	7	3.0	4.0	45	2	4	*2.5	*4.0	33	8	4	*2.5	*4.0	36	4	3	*2.5	*4.0	28	4	4	*2.0	*3.5
12	148	6	2	7.5	8.5	112	10	4	5.0	7.5	91	8	16	*8.5	*12.5	67	10	4	2.5	3.5	43	6	4	*2.5	*4.0	29	16	1	*2.5	*4.0	32	3	4			28	3	4	*2.5	*4.0
13	150	4	6	6.5	8.0	114	8	6	5.0	7.5	86	2	11	*4.0	*5.5	67	8	3	*2.5	*4.0	43	2	4	*2.5	*3.5	31	11	8	*3.0	*4.0	40	5	10	*2.5	*3.5	28	3	1	*3.0	*4.0
14	150	4	2	*7.0	*8.5	112	6	4	4.0	7.0	84	8	9	*7.0	*10.0	67	3	7	2.5	3.5	43	10	3	*2.0	*4.0	33	6	6	3.0	3.0	*40			*2.5	*4.0	28	5	3	*3.5	*5.0
15	150	4	2	*7.5	*11.0	112	4	5	5.0	7.5	83	14	8	*8.5	*12.0	67	4	6	*3.0	*5.0	43	5	4	*3.0	*4.0	33	4	4	*3.0	*4.0	*39			*6.0	*8.0	28	4	2	*3.0	*4.5
16	150	4	3	*7.5	*10.0	114	8	5	*5.0	*7.5	87	25	7	*8.0	*11.0	69	19	9	*5.5	*7.5	45	3	5	*3.5	*5.0	42	6	5	*5.0	*7.0	42	4	4	*6.0	*8.5	28	4	3	4.0	5.0
17	152	3	2	*6.0	*8.0	118	11	4	5.0	7.5	97	14	10	*10.0	*15.5	75	12	10	*6.0	*8.0	49	11	4	4.0	5.0	49	6	7	*3.0	*4.5	42	6	4	*3.5	*4.5	28	2	4	2.0	3.0
18	152	4	2	5.5	7.5	120	12	2	5.5	8.0	101	12	10	*8.5	*13.5	77	12	10	6.0	8.5	53	12	4	5.0	7.0	50	9	3	*4.0	*6.0	40	12	4	*4.5	*6.5	26	2	2	2.0	3.5
19	154	2	2	6.0	8.5	124	6	6	7.5	9.0	102	9	9	*10.5	*17.0	79	12	8	7.0	9.5	53	12	2	*5.0	*7.0	52	6	3	5.5	9.0	40	2	4	4.5	6.0	26	2	2	1.5	3.5
20	154	2	2	6.5	8.5	126	4	4	7.5	10.0	105	8	10	*10.0	*14.0	81	10	7	6.5	9.0	55	16	6	4.0	5.5	51	4	3	*6.5	*8.5	38	8	2	4.0	5.5	26	6	4	2.0	3.0
21	154	3	2	7.0	9.5	128	4	4	6.5	10.0	109	4	11	7.0	11.0	79	14	8	6.0	8.5	56	7	5	*4.0	*5.5	53	4	4	4.0	5.5	38	4	4	4.5	5.5	26	2	4	1.5	2.5
22	156	1	2	7.0	10.0	128	6	2	6.5	10.0	109	6	10	*7.0	*11.5	81	13	8	5.0	8.5	56	8	3	4.0	5.5	53	4	4	5.0	7.5	36	6	7	4.0	5.5	26	6	4	2.0	3.0
23	154	3	2	6.5	9.5	128	5	3	8.0	11.0	109	4	8	7.0	10.5	81	12	10	7.0	10.0	59	7	7	*4.5	*7.0	51	4	2	*4.5	*6.5	32	4	2	2.5	4.0	26	4	4	2.0	3.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station New Delhi, India Lat. 28.8 N Long. 77.3 E Month January 19 63

Frequency (Mc)

Hour (LST)	.013 Fam	Du	Dℓ	Vdm	Ldm	.051 Fam	Du	Dℓ	Vdm	Ldm	.160 Fam	Du	Dℓ	Vdm	Ldm	.495 Fam	Du	Dℓ	Vdm	Ldm
00	155	0	4	6.5	8.5	128	2	6	8.0	10.0	107	5	6	8.0	11.5	81	4	6	6.0	9.0
01	155	2	4	7.0	9.0	128	4	4	8.5	11.5	105	3	6	9.0	12.0	81	4	4	6.0	8.0
02	153	2	2	6.5	8.5	128	2	4	8.5	11.5	103	4	5	8.5	12.0	79	6	4	6.5	9.0
03	155	2	4	6.5	8.5	128	2	4	9.5	12.0	104	4	6	8.5	12.5	79	6	4	6.0	8.5
04	155	0	4	7.0	9.5	128	4	4	9.0	11.5	102	3	6	8.0	12.0	79	4	6	5.5	7.5
05	155	1	4	6.5	9.0	126	4	4	8.5	12.0	106	7	7	*7.0	*11.5	77	6	4	6.0	8.5
06	155	2	4	6.5	8.5	126	4	4	8.0	11.5	100	5	8	7.5	11.5	73	6	6	4.0	5.0
07	153	2	4	6.0	8.0	120	4	4	6.0	8.5	*91			*9.5	*13.0	68	10	4	*2.0	*2.5
08	149	4	4	5.0	7.0	115	5	4	3.5	6.0	*90			*8.5	*13.0	*69			*2.5	*3.0
09	149	4	8	6.0	8.0	*116			*2.5	*6.0	*94			*15.5	*20.5	*67			*4.0	*5.0
10	149	2	4	4.0	6.0	*115			3.0	6.0	*94			*10.5	*18.0	*67			*2.5	*4.0
11	151	0	6	*6.0	*8.0	*115			3.5	6.5	*90			*9.0	*14.0	67	6	4	*4.0	*4.5
12	151	1	6	5.5	7.0	116	2	5	4.0	6.5	*89			*7.5	*12.0	67	7	4	2.5	4.0
13	149	4	2	5.0	7.0	115	4	5	4.0	7.0	*94			*7.5	*12.5	65	4	5	3.0	4.5
14	151	3	6	6.0	8.0	116	2	8	4.0	6.5	88	6	6	*7.0	*11.0	*67			2.5	4.0
15	151	2	4	6.0	7.5	116	4	8	3.5	6.0	*86					65	10	7	3.0	4.5
16	152	2	3	5.0	6.5	116	4	8	4.0	6.5	*90			*9.5	*12.5	*64			*3.0	*5.0
17	152	2	3	5.0	7.0	116	6	7	5.0	7.0	*92			*9.0	*12.5	72	9	3	5.5	6.5
18	153	2	4	4.0	6.0	118	5	5	5.5	8.0	101	7	10	*8.5	*11.5	75	8	4	8.0	8.0
19	153	2	2	5.5	6.5	120	6	4	8.0	11.0	104	6	11	*10.0	*12.5	75	8	4	6.0	8.0
20	155	2	4	5.5	7.0	124	7	4	8.5	11.0	104	3	5	*8.0	*12.5	77	4	4	4.5	6.5
21	155	2	4	6.0	8.0	126	4	2	7.5	10.5	106	6	6	*6.5	*15.0	79	4	4	5.0	7.0
22	155	2	2	6.5	8.5	128	0	2	7.0	9.5	106	6	8	*7.5	*10.5	79	6	4	5.0	7.5
23	155	2	2	7.0	9.0	128	0	4	7.5	10.0	104	9	4	*8.0	*12.0	81	6	4	7.5	8.5

Hour (LST)	2.5 Fam	Du	Dℓ	Vdm*	Ldm*	5 Fam	Du	Dℓ	Vdm*	Ldm*	10 Fam	Du	Dℓ	Vdm*	Ldm*	20 Fam	Du	Dℓ	Vdm*	Ldm*
00	54	6	4	5.5	8.0	51	6	2	4.0	6.0	31	4	2	2.5	4.5	26	2	2	2.0	3.5
01	54	6	0	5.0	7.5	53	4	4	5.0	7.0	33	4	4	2.5	4.5	26	2	2	2.0	3.5
02	54	4	2	4.5	7.0	51	4	4	5.0	7.0	35	4	4	2.0	4.0	26	2	2	2.5	3.5
03	54	5	4	4.0	6.0	53	4	6	4.0	6.0	35	8	6	2.0	3.5	26	2	2	1.5	3.0
04	54	4	2	4.0	5.5	51	2	6	4.5	6.0	33	4	4	2.5	4.0	26	2	2	2.0	3.0
05	54	4	6	5.0	7.5	46	5	5	4.0	5.0	31	6	2	1.5	3.0	28	2	4	2.0	3.5
06	52	5	4	2.0	5.0	45	4	4	3.0	5.5	33	2	4	2.0	4.0	28	2	2	1.5	3.5
07	50	4	6	5.0	7.0	45	4	3	3.5	5.5	39	2	4	1.5	3.0	26	4	2	1.0	3.0
08	44	4	2	1.5	3.0	41	2	6	3.0	4.5	35	4	4	0.5	2.0	*26			2.0	4.0
09	44	4	4	2.5	4.0	*35			2.5	4.0	*31					26	2	2	1.0	2.5
10	*44					*35			2.0	3.0	*39					*26			1.5	3.0
11	*44			2.5	4.0	*35			2.5	4.0	*39			5.0	7.0	26	2	0	4.5	6.0
12	44	2	6	3.0	4.5	35	6	4			*31					26	4	2	4.0	5.5
13	44	2	4	2.0	3.5	37	4	6	2.0	3.5	37	8	9			26	2	2	2.5	4.0
14	44	3	5	1.5	3.0	37	3"	6	13.0	13.0	*41					*28			2.5	4.0
15	44	7	6	5.0	6.0	37	4	6	3.0	4.5	*34					28	2	2	3.0	4.0
16	44	2	6	3.0	4.0	*41			2.0	4.0	*39			4.0	6.0	26	2	2	2.0	3.5
17	46	3	4	3.0	5.0	*50			3.5	5.0	*39			3.5	5.5	26	2	2	1.5	3.0
18	48	6	2	3.5	5.0	49	4	5	4.0	6.0	37	2	2			26	2	2	2.0	3.0
19	50	6	2	3.0	5.0	49	8	4	4.0	6.5	37	4	2	4.0	6.0	26	2	2	2.0	3.5
20	52	4	4	4.0	5.5	50	6	3	7.0	11.0	39	8	4	3.5	6.0	25	3	1	2.0	3.0
21	52	6	2	3.5	5.5	51	4	4	4.0	6.5	35	5	2	5.0	7.0	24	4	0	1.5	3.0
22	54	4	4	3.0	5.5	50	3	5	4.5	6.5	33	10	4	3.5	5.5	26	2	2	2.0	3.5
23	54	4	4	4.0	7.0	53	4	2	5.0	6.0	31	4	2	4.0	5.0	26	2	2	2.0	3.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-BL

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station New Delhi, India Lat. 28.8 N Long. 77.3 E Month February 1963

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	155	3	2	*5.5	*8.0	130	8	4	9.0	14.5	107	12	4	7.5	13.0	83	17	7	6.5	9.0	57	14	6	*8.5	*11.0	54	8	7	4.5	7.5	34	4	4	3.5	5.5	24	2	2	*2.0	*3.0
01	155	2	2	*6.0	*9.0	129	8	3	*7.5	*10.5	107	10	8	7.5	11.0	82	16	6	6.0	9.5	57	16	6	*8.0	*10.5	58	7	12	7.0	9.0	34	4	4	3.0	5.0	24	2	2	*2.0	*3.0
02	155	2	3	*6.5	*9.5	130	4	4	9.0	12.5	105	10	6	9.0	13.0	80	16	4	*5.0	*8.5	57	9	6	8.0	11.5	56	6	6	3.5	8.0	34	4	5	3.0	5.0	24	4	2	*2.0	*3.0
03	155	2	4	*7.0	*9.5	129	5	4	10.0	14.0	103	12	6	11.0	13.5	81	16	4	8.5	11.0	55	14	4	*8.5	*13.0	54	10	6	3.0	6.5	34	4	5	3.0	5.0	26	2	2	*2.0	*3.5
04	155	2	3	*6.5	*9.5	128	6	4	10.0	14.0	105	12	8	12.5	16.0	82	14	8	*7.0	*9.5	57	12	6	6.0	10.0	52	9	7	3.0	5.5	34	2	6	1.5	3.5	26	2	3	*1.5	*3.0
05	155	2	4	7.5	10.5	126	7	5	*11.0	*14.0	105	11	8	10.0	11.5	77	14	5	10.0	11.0	57	10	6	5.0	7.5	52	10	8	3.0	5.0	32	4	2	*1.5	*3.0	26	2	3	2.0	3.0
06	153	2	4	6.5	9.5	124	6	4	10.5	12.5	99	10	6	11.5	13.5	72	11	4	7.5	9.0	53	13	4	5.5	9.0	51	8	8	3.0	5.5	34	6	4	3.0	3.5	26	2	2	*2.5	*3.5
07	153	2	5	6.0	9.0	118	11	3	*9.0	*13.0	91	16	4	9.0	13.5	69	13	5	*5.0	*6.0	49	5	3	*3.0	*5.0	44	16	2	5.0	6.5	38	4	4	*2.5	*3.5	26	2	2	*2.5	*4.0
08	151	4	6	*8.0	*9.5	115	15	5	*9.0	*11.0	*93			14.5	20.5	*67			*7.0	*8.0	43	10	4	*5.0	*9.0	*44					*35			*6.0	*6.5	*26			*2.0	*4.0
09	*149			*12.5	*14.5	*110			*8.0	*9.5	*95			11.0	15.0	*66			*7.0	*8.0	*43			*4.0	*6.5	*47					*32			*9.5	*12.0	*26			*3.0	*4.0
10	*151			*9.0	*10.0	*114			*9.5	*11.0	*91					*66			*5.0	*6.0	*43			*3.5	*4.5	*36			2.0	3.0	*40			*2.0	*3.0	*26			*2.5	*4.0
11	*149			*9.5	*12.5	112	8	10	*4.5	*6.5	*93			13.0	16.0	*67			*4.0	*5.5	43	2	2	*1.5	*3.0	*32			5.0	6.5	*38			*3.0	*4.0	*28			*2.5	*4.0
12	150	3	5	*10.5	*10.0	116	6	13	*5.5	*8.5	94	6	11	7.5	11.5	66	10	4	*2.0	*4.0	43	0	4	*2.0	*3.0	*32			8.0	8.5	*32			*7.0	*9.0	26	2	2	*2.5	*4.0
13	149	4	3	*8.5	*12.0	116	6	12	*8.5	*10.0	*95			8.0	14.5	66	8	3	*3.5	*5.0	43	4	4	*3.0	*4.0	34	4	7	5.5	6.5	40	4	8	*4.5	*6.0	28	2	4	*5.5	*4.0
14	151	4	5	*10.0	*11.0	120	6	14	*6.0	*9.0	93	13	9	9.0	14.5	69	21	7	*2.5	*4.0	43	15	4	*2.5	*4.0	38	23	10	10.0	13.0	*38			*8.5	*13.0	*28			*3.5	*5.5
15	*153			*7.0	*10.0	122	10	15	*5.0	*7.0	101	8	12	7.5	12.5	70	10	8	*6.0	*7.5	43	14	4	*5.5	*8.0	39	16	5	8.5	14.0	39	5	9	*12.0	*15.0	28	4	4	*5.0	*5.5
16	151	4	4	*6.5	*9.0	118	13	11	*5.0	*8.0	*101			7.0	12.0	70	7	6	*2.0	*4.5	44	11	3	*7.0	*8.0	46	14	10	9.0	13.0	40	6	5	*6.5	*9.5	28	4	4	*4.0	*5.0
17	151	6	2	*7.0	*9.5	120	14	10	*7.5	*12.0	103	10	13	7.0	13.0	84	10	15	*4.5	*8.0	52	11	8	*7.5	*12.0	56	4	12	5.5	8.0	44	4	6	*5.5	*9.0	26	6	2	2.0	3.5
18	153	5	2	*5.5	*7.5	122	20	10	7.0	11.0	107	11	12	8.0	12.0	86	18	14	7.0	10.0	63	9	16	*7.5	*12.5	56	10	10	9.0	10.0	44	6	6	*4.5	*7.5	26	7	2	*2.0	*3.5
19	153	5	2	6.0	9.0	126	11	10	8.0	12.0	111	11	12	7.0	12.0	88	14	16	7.0	11.0	61	12	12	*8.5	*12.0	56	6	10	10.0	11.0	42	3	6	*4.5	*6.5	26	7	2	2.0	3.5
20	153	4	2	*6.0	*8.0	126	9	8	8.0	11.0	109	8	10	9.0	13.0	84	14	8	*7.0	*13.0	63	10	14	8.5	11.0	54	8	7	5.5	8.0	38	6	4	*4.0	*6.0	24	2	2	2.0	3.5
21	155	4	2	4.5	7.0	128	6	4	7.5	10.0	109	8	6	7.0	12.0	84	14	8	6.5	10.5	60	9	9	*9.0	*12.0	52	11	6	4.5	7.0	40	7	6	*9.0	*12.0	24	2	2	*1.5	*3.0
22	156	3	3	*5.0	*8.0	130	5	5	6.0	9.0	113	4	9	6.5	12.0	87	14	11	*7.0	*11.0	58	13	7	*7.5	*9.5	52	6	6	3.5	5.5	36	10	6	*3.0	*5.0	24	2	2	*2.0	*3.0
23	155	0	3	6.0	9.0	128	6	2	7.0	12.0	113	8	9	6.0	8.5	86	14	9	6.5	10.5	57	12	8	6.0	10.0	58	6	10	8.0	10.0	35	4	6	*3.5	*6.0	24	2	2	*1.0	*3.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-DL

MONTH-HOUR VALUES OF RADIO NOISE

Station Ohira, Japan Lat. 35.6N Long. 140.5E Month December 1962

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm
00	150	4	4	8.0	11.5	128	7	4	10.0	16.0	107	10	4	*8.5	*15.5	88	11	4	10.5	18.5	60	10	6	*6.5	*11.0	54	5	4	6.0	10.0	30	2	2	1.0	3.5	24	0	0	0.5	2.0
01	152	2	6	7.0	11.0	128	8	4	9.5	15.5	109	8	5	*11.0	*18.0	89	12	6	*7.5	*14.0	62	7	6	*6.5	*10.5	54	6	4	*5.5	*9.5	30	4	2	2.0	4.0	24	0	0	0.5	2.0
02	152	4	6	8.5	11.5	128	8	4	11.0	18.0	109	9	6	10.5	19.0	89	10	6	*10.5	*17.5	64	9	8	*5.5	*10.5	54	4	3	5.5	9.5	29	3	1	1.0	3.0	24	0	0	*1.0	*2.5
03	150	6	2	8.5	12.5	128	7	4	*11.5	*19.5	109	8	8	10.0	18.5	87	11	6	*11.5	*21.5	60	12	5	*9.0	*14.0	68	6	3	*7.5	*13.0	30	1	2	2.0	3.5	24	0	0	*1.0	*2.5
04	151	5	6	8.5	12.0	128	7	4	13.5	19.5	106	10	7	*9.0	*17.5	88	9	9	9.0	18.5	62	12	9	*6.0	*10.0	66	8	7	*7.5	*12.5	30	1	2	1.5	3.0	24	2	0	1.5	3.0
05	152	2	7	9.0	13.5	128	4	4	*11.5	*18.5	103	12	10	*13.0	*21.5	76	20	6	*11.0	*18.0	62	10	9	*7.0	*16.5	64	3	6	*8.0	*14.5	28	2	0	1.5	3.0	24	2	0	*1.5	*3.0
06	150	4	3	*9.0	*12.5	131	9	7	*14.0	*20.0	92	21	12	*17.5	*27.5	65	25	6	*18.0	*23.0	58	14	6	*12.0	*16.0	52	8	9			32	4	2	3.0	5.0	24	2	0	1.5	3.0
07	148	3	4	8.5	12.0	114	17	4	*11.0	*14.5	86	27	13	*12.0	*16.0	65	29	6	*10.0	*14.0	50	12	6	*9.0	*15.0	50	11	7	*5.0	*8.0	36	5	4	3.5	6.0	26	1	0	1.5	3.0
08	148	4	4	10.5	15.0	108	17	6	*5.0	*7.0	81	29	9	*5.5	*7.5	65	26	8	*6.5	*10.0	44	17	4	*7.0	*10.5	43	15	6	*6.0	*8.5	36	3	4	*3.5	*7.5	26	3	0	*1.5	*3.0
09	148	6	4	*11.5	*17.0	108	21	6	9.5	13.0	85	33	12	*>15.0	*>21.0	63	36	4	*3.0	*5.5	42	13	2	8.0	11.0	40	12	6	*9.0	*12.0	34	10	4	*3.5	*6.0	*24			*7.5	*3.0
10	*148					*110					85	26	14			67	27	10	5.0	7.5	*42			*8.5	*11.5	*40			*11.0	*12.0	34	10	6	*8.0	*11.5	26	2	0	*2.0	*3.0
11	149	5	6	10.0	15.0	110	16	4	*11.0	*15.0	84	19	13	*17.5	*23.0	63	28	6	*6.0	*15.5	42	11	4	*7.0	*10.0	40	10	4	*7.5	*9.5	30	11	2	*4.0	*5.5	26	0	2	2.0	3.0
12	149	5	5	10.0	14.0	111	15	3	*4.5	*7.5	87	21	11	*14.5	*19.5	65	26	8	*4.5	*7.0	42	8	2	*8.5	*12.0	38	10	4	6.5	9.0	30	10	2	6.0	8.5	26	0	0	1.5	3.5
13	150	4	6	9.0	13.5	111	16	3	*6.0	*20.0	85	23	11	*16.0	*20.0	63	28	4	*15.0	*19.5	42	8	2	8.0	12.5	38	16	3	*9.0	*15.0	34	2	4	*2.5	*5.0	26	0	0	1.5	3.0
14	150	4	5	7.0	12.0	110	19	4	7.0	10.5	81	27	9	*6.0	*8.5	65	24	7	*4.0	*7.5	42	7	4	*9.0	*12.0	40	12	5	*8.0	*14.5	36	5	2	*7.0	*10.0	26	3	0	1.5	3.0
15	150	4	5	6.5	10.5	110	20	5	5.5	7.5	88	20	16	*3.0	*5.0	67	26	7	*12.0	*14.0	44	12	4	*9.0	*12.0	46	13	6	*10.0	*15.0	36	5	4	*6.0	*9.0	26	2	0	1.5	3.0
16	150	4	4	7.5	11.0	110	18	6	*10.0	*11.0	97	13	19	*9.0	*16.0	73	20	8	*4.0	*7.0	46	12	4	*8.0	*12.0	61	7	5	*8.0	*14.0	36	3	2	4.5	6.5	26	0	0	1.5	3.0
17	150	6	5	7.0	11.0	118	14	6	9.0	12.0	97	20	9	*6.5	*11.0	81	16	8	*6.5	*9.0	56	12	4	10.0	14.0	62	5	8	*5.0	*10.0	36	4	2	3.0	5.5	26	0	0	1.0	3.0
18	150	5	5	*7.0	*11.5	124	12	4	9.0	13.0	100	16	5	10.5	14.5	85	13	5	*7.0	*11.0	60	11	8	8.5	12.5	62	5	4	*8.0	*12.0	36	4	4	1.5	4.0	24	2	0	1.0	2.5
19	152	3	4	7.0	11.0	126	8	2	9.0	13.5	103	13	6	*7.5	*11.0	87	10	8	*8.0	*12.0	60	10	2	*7.0	*10.5	64	4	9	*8.0	*13.0	36	6	4	*3.0	*5.5	24	2	0	1.0	2.5
20	150	7	4	9.5	13.0	128	6	4	*8.0	*13.0	107	6	9	*11.0	*17.0	87	12	6	*3.5	*7.0	62	8	5	*5.5	*9.0	64	3	7	*5.5	*10.0	35	4	3	2.0	4.5	24	2	0	*1.0	*2.0
21	150	4	5	8.0	12.0	128	6	6	10.0	16.5	107	9	8	10.0	15.0	86	14	8	7.5	12.5	60	10	7	*4.5	*8.0	68	5	10	*6.5	*11.0	32	7	4	2.0	3.5	24	0	1	0.5	2.0
22	150	5	5	9.0	13.0	128	6	4	11.0	17.0	107	10	6	9.5	16.0	88	11	5	*11.5	*17.5	62	10	9	*7.5	*12.0	53	9	5	5.5	9.0	30	5	2	1.0	3.0	24	0	0	0.5	2.0
23	148	6	3	*7.5	*12.0	128	7	4	11.0	17.0	107	9	4	*10.0	*16.0	89	10	5	7.5	13.0	62	6	7	*4.5	*9.5	54	8	5	5.0	9.5	29	3	1	2.0	3.5	24	1	0	1.0	2.5

F_{am} = median value of effective antenna noise in db obave ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Ohira, Japan Lat. 35.6N Long. 140.5E Month January 1963

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	151	3	6	*8.5	*13.0	129	8	6	*12.5	*20.0	110	10	6	11.5	19.0	87	12	1	10.5	18.5	62	6	6	8.0	11.0	57	4	2	4.0	7.5	31	4	2	2.5	5.0	25	0	0	0.5	2.0
01	152	4	6	*10.5	*15.5	129	6	6	*12.0	*20.0	110	7	4	9.5	16.5	90	11	4	9.0	17.5	62	8	4	11.5	16.5	57	6	4	5.0	9.0	31	4	2	3.5	5.5	25	0	0	1.0	2.0
02	151	4	4	*8.5	*14.0	127	10	10	*10.5	*18.0	110	9	4	9.0	15.5	90	10	4	6.5	11.0	62	10	4	7.5	15.0	57	6	2	7.5	11.0	31	2	2	2.0	4.0	25	0	0	0.5	1.5
03	151	5	3	*10.0	*15.0	129	5	6	*9.5	*17.0	110	6	4	8.5	16.0	90	9	3	8.0	15.0	62	10	2	9.0	13.0	73	4	6	4.5	8.0	29	2	0	2.0	3.5	25	0	0	2.5	4.0
04	151	6	4	*8.0	*12.0	128	8	3	*12.0	*19.5	106	12	3	13.0	22.0	86	12	4	7.0	14.5	62	8	2	11.0	15.5	67	8	2	8.5	14.0	29	2	0	2.0	3.5	25	0	0	2.0	3.0
05	151	7	4	10.0	14.5	129	8	6	*13.5	*20.5	108	7	9	17.0	24.5	84	10	8	9.0	14.5	64	7	8	11.0	14.0	65	6	6	7.5	14.0	29	2	0	1.0	2.0	25	2	0	1.5	3.0
06	150	5	4	*9.5	*15.0	125	9	11	*12.5	*19.5	98	14	11	15.0	22.5	78	13	17			62	6	10	10.5	14.5	63	6	4			35	4	4	6.5	9.0	27	0	2	1.5	3.0
07	149	4	6	*8.5	*12.5	119	12	11	*19.0	*26.0	96	14	13	9.5	17.0	72	19	13	10.0	16.0	52	6	4			61	6	6	7.5	13.0	39	4	4	5.0	7.0	27	0	0	1.5	3.0
08	147	8	2	*12.0	*16.0	118	17	11	*18.5	*27.0	96	13	13	17.5	22.5	74	14	14	13.5	18.5	44	5	3	7.5	11.0	49	10	6	10.0	>14.5	37	4	2	7.5	10.5	27	0	2	1.5	3.0
09	*149			*9.5	*14.5	117			*14.5	*22.5	*96			13.0	21.0	*72			2.0	3.5	42	8	2			43	8	6			36	4	5			27	1	1	1.0	2.5
10	*147			*9.5	*15.0	113			*17.5	*25.0	94	14	12	15.5	26.0	68	17	7	12.0	19.0	*40			9.0	13.0	*41			3.5	7.0	37	4	6	3.0	4.5	27	0	2	1.5	3.0
11	149	7	2	*10.0	*15.0	119	8	12	*16.0	*20.5	96	8	16	13.5	16.5	75	10	12	8.5	10.5	40	6	0	6.5	9.0	41	7	4	7.0	10.0	33	8	4	2.5	5.0	27	1	1	1.5	3.0
12	149	5	2	*11.5	*16.0	117	12	8	*18.0	*22.0	88	17	8	13.0	18.5	65	19	5			40	7	1	9.0	12.5	39	8	4			35	5	6	10.0	13.5	27	1	2	1.5	3.0
13	151	4	4	*11.0	*15.5	119	9	11	*7.0	*11.0	92	11	14	14.0	23.0	68	12	8	8.0	12.0	42	6	2	7.0	10.5	42	5	6	9.5	12.5	36	6	6	10.0	14.0	27	1	2	2.0	4.0
14	151	5	4	*12.0	*16.5	117	10	12	*15.0	*22.0	92	12	11	16.5	23.5	68	16	5			44	8	4	9.0	13.0	43	7	5	8.5	11.0	39	4	5	5.5	8.0	27	2	0	1.5	3.0
15	151	4	5	*11.5	*16.5	115	16	9	*14.0	*18.0	94	15	9	18.0	23.0	76	18	11	8.0	15.5	42	11	3	7.5	10.5	53	7	2	8.0	12.5	41	8	6	4.0	6.0	27	2	2	1.0	3.0
16	151	4	4	*10.0	*14.0	120	10	10	*15.5	*18.0	104	10	16	19.5	26.0	84	12	15	16.0	24.0	48	8	6	6.0	9.0	*65			6.0	12.0	41	5	4	5.0	7.5	27	4	2	1.5	3.0
17	151	4	6	10.0	14.5	124	9	5	*18.5	*23.5	106	10	8	17.5	24.5	84	11	10	7.0	14.0	56	8	8	9.0	14.0	65	8	6	5.5	11.5	39	6	2	3.5	5.0	25	4	0	3.0	4.0
18	151	6	4	8.0	13.0	127	8	7	14.0	21.5	106	13	10	14.0	22.5	86	10	6	11.0	20.0	58	8	6	7.0	13.5	65	8	8	7.0	11.5	39	6	4	3.5	6.5	25	4	0	1.0	2.0
19	153	5	4	10.5	15.0	127	9	6	*13.0	*19.0	105	14	6	14.5	22.5	89	10	8	10.5	17.5	62	8	8	5.0	8.0	67	6	6	5.0	9.0	37	4	4	3.0	6.0	25	0	0	0.5	2.0
20	153	5	6	9.0	13.5	127	11	5	*12.0	*19.0	107	12	6	9.5	17.0	90	12	6	9.0	17.0	64	8	8	7.0	11.0	69	6	8	7.0	10.5	35	4	4	1.5	4.0	25	2	0	0.5	2.0
21	151	7	4	9.0	13.0	129	8	6	11.0	17.0	111	6	8	10.5	17.5	92	9	7	8.0	16.0	64	8	6	10.0	14.0	71	8	6			33	4	4	3.0	5.0	25	0	0	0.5	2.0
22	154	3	4	9.0	14.0	129	7	6	10.5	17.0	112	7	9	12.5	20.0	88	10	4	7.5	13.0	62	8	4	8.0	13.5	59	6	8	6.0	10.0	31	4	2	1.0	3.0	25	0	0	0.5	2.0
23	151	4	4	9.0	13.5	129	6	5	*12.0	*19.5	112	6	8	10.5	16.0	92	7	6	11.5	19.0	64	6	8	5.0	9.5	57	6	4	4.5	8.0	31	4	2	2.0	4.0	25	0	0	0.5	2.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Ohira, Japan Lat. 35.6N Long. 140.5E Month February 19 63

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	149	4	2	8.0	12.0	127	6	4	*11.0	*16.5	108	8	4	*11.0	*17.0	87	8	4	*11.0	*16.0	58	9	5*	4.5*	8.0	55*	6	2	4.5	8.5	32	5*	3	*2.0	*4.0	23	0	2	1.0	3.0
01	149	5*	2	*9.0	*12.5	127	6	2	12.0	18.0	110	4	6	*10.0	*15.0	87	6	4	*8.0	*14.5	58	8	4	5.0	9.0	55*	5*	3	6.0	10.0	33	2	2	*2.5	*4.0	23	0	0	*1.0	*3.0
02	151	2	2	7.5	11.5	127	4	4	*11.0	*16.5	106	6	5*	*10.0	*15.5	87	8	6	*10.5*	*16.0	58	6	4	6.0	6.0	57	3	5*	6.0	10.0	33	2	3	*2.0	*3.0	23	0	0	*1.0	*2.0
03	149	4	1	9.0	13.5	127	4	6	*13.0	*19.0	106	6	6	*9.0	*15.0	87	6	6	*10.0	*17.0	58	6	6	4.0	7.0	71	6	9	5.0	11.5	31	2	1	*1.5	*3.0	23	0	0	*1.0	*2.0
04	151	2	2	8.0	12.5	127	3	5*	12.0	17.5	105*	8	7	*10.0	*16.0	85*	6	6	*12.0	*19.0	58	6	4	14.0	20.0	67	9	6	15.5*	17.0	31	2	0	*1.5	*3.0	23	2	0	1.0	*2.0
05	151	2	3	10.0	14.0	125*	4	4	*11.0	*15.0	102	7	7	*15.5	*22.0	78	10	7	*14.5*	*19.5*	58	8	5*	16.5*	20.0	66	8	5*			32	1	1	*2.0	*4.0	23	2	0	*2.0	*2.5
06	149	4	2	9.0	14.0	119*	8	4	*14.0	*20.0	89	11	9	*7.0	*10.0	63	12	4	*15.5*	*22.0	54*	7	4	4.0	6.0	65*	6	4			35*	3	2	*5.0	*8.0	23	2	0	*2.0	*4.0
07	147	2	4	*8.0	*11.5	115*	8	6	*7.5*	*10.5*	84*	10	8			61	11	4			46*	7	4	8.0	12.0	55*	4	4	8.0	12.0	37	4	4	*5.0	*7.5*	25*	3	2	*2.0	*3.0
08	147	4	2	*8.5	*14.0	109	12	4	*11.0	*14.5	80	14	4			61	10	4	*3.5	*6.5	42*	10	4	6.5	10.0	47*	4	6	5.0	8.5	37	4	6	*4.0	*6.5	25*	4	2	*1.5	*3.5
09	149	2	4	*11.0	*15.5	105*	16	5*	*17.5*	*20.5	80*	15*	3			63	14	6			40*	4	4	6.0	9.0	41*	8	6	6.0	10.0	33	11	4	*4.0	*6.0	25*	4	2	*2.0	*4.5
10	*147			*13.5*	*17.0	*109			*12.0	*15.0	*82					63	16	6			*38										31	2	4	*9.0	*11.5	25*	0	2	*2.5*	*4.0
11	147	4	4	*11.5*	*16.0	111	11	5*	*14.0	*18.0	80	18	8	*19.0	*27.0	61	12	4			38*	4	2	8.0	11.5*	37*	11	4	6.0	8.0	30	7	3	*1.0	*2.5*	25*	2	2	2.5*	4.0
12	149	2	4	*10.0	*14.0	110	17	5*	*9.0	*11.5*	80	20	4	*10.0	*12.5	61	11	6			38*	4	2	7.5*	10.0	33	9	2	7.0	10.0	29*	8	2	*4.0	*5.5*	25*	0	2	*2.0	*4.0
13	147	4	2	*9.5	*14.0	111	12	6	*5.5*	*8.0	82	24*	8	*13.0	*13.0	63	19	6	*20.0	*27.0	38*	4	2	5.5*	5.5*	37	1	4	8.0	10.5*	33	4	4	*5.5*	*7.5*	25*	2	2	*3.0	*5.0
14	149	4	2	8.0	12.5	111	10	5*	*13.5	*18.0	78	12	4	*11.0	*16.0	61	15*	4			39*	5	3	3.0*	5.5*	39	7	4	4.0	7.0	33	8	2	*9.5*	*9.0	25*	2	2	1.5*	3.5*
15	149	4	2	9.0	13.0	108*	17	3	*16.5*	*21.0	80	18	6	*17.0	*22.0	63	16	6	*9.0	*12.0	38*	10	2	7.0	10.0	47*	8	8	6.0	9.0	35*	6	4	*4.0	*4.0	25*	2	2	*2.0	*4.0
16	149	4	2	8.0	13.0	111	20*	6	*10.0	*12.0	87*	20*	9	*16.5*	*24.0	73*	10	4	*9.0	*14.0	44*	14*	6	7.5*	10.0	59*	6	10*			38*	5*	3	3.5*	7.5*	25*	0	2	*2.0	*3.5*
17	149	5*	2	9.0	13.0	115*	15*	3	11.0	15.0	92*	15*	7	*8.0	*12.0	79*	14*	6	*12.0	*16.5*	48*	8	4	5.0	8.0	69*	6	7	8.0	14.5*	39*	4	2	2.5*	5.5*	23	4	1	*2.0	*3.0
18	149	4	2	8.0	11.5	121*	8	2	8.0	14.5	98*	16*	6	16.0*	21.5*	81*	10	4	9.0	12.0*	54*	12*	4	9.0*	12.0*	67*	10*	4	5.0	9.0	39*	8	4	*3.0	*6.0	23	1	2	*2.5*	*4.0
19	151	2	4	8.0	13.0	123*	7	2	9.0	13.0	100*	12*	6	9.0*	13.0*	85*	8	6	10.0*	17.0*	56*	11*	4	8.0*	11.5*	66*	7	7			39*	2	4	*3.0	*5.5*	23	0	2	*1.0	*3.0
20	151	3	4	7.0	11.5	125*	6	4	8.0	12.0	102*	11*	6	12.0*	16.5*	85*	10	4	*11.5*	*17.5*	56*	13*	4	3.0*	7.0*	67*	8	6	7.5*	13.0*	37*	6	4	*4.0	*7.0	23	1	2	*1.5	*3.0
21	151	4	4	8.0	12.5	126*	7	3	9.5	15.0	104*	9*	5*	11.0*	16.0*	87*	5*	5*	*10.0*	*14.0*	58*	12*	6	6.0*	10.0*	70*	5*	5*	8.0*	12.0*	37*	4	6	*3.5*	*5.5*	23	0	2	*2.0	*3.0
22	149	6	2	9.0	13.5	127	6	4	9.0	15.0	105*	11*	3	8.5*	14.0*	85*	11*	2	7.5*	11.0*	58*	12*	6	4.0*	7.5*	55*	3	4	3.5*	6.5*	35*	4	4	2.5*	4.0*	23	0	2	*1.5	*3.0
23	150	3	3	8.5*	13.0	127	5*	4	9.0	14.5*	106	8	2	*10.0	*14.5*	87	9	4	10.5*	15.0*	62*	6	8	8.0*	12.0*	55*	5*	4	4.0*	7.5*	33	4	2	2.5*	4.0*	23	0	2	1.0	3.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Pretoria, S. Africa Lat. 25.8S Long. 28.3E Month December 1962

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	163	6	8			138	12	12			116	12	12			99	10	12		
01	161	8	9			136	10	11			116	10	14			97	12	11		
02	159	8	4			135	11	7			112	12	8			93	13	10		
03	159	8	8			132	12	4			110	13	8			89	16	10		
04	159	6	4			132	8	6			106	13	6			83	14	10		
05	157	6	4			126	10	8			90	24	12			59	28	8		
06	155	4	4			124	8	6			90	14	18			59	16	8		
07	155	6	6			120	10	8			89	17	17			58	26	8		
08	153	6	4			119	8	5			*92					57	22	7		
09	152	9	6			120	15	13			88	24	16			57	25	6		
10	153	11	3			122	16	8			88	31	10			59	38	6		
11	157	10	6			128	14	8			96	25	14			68	19	15		
12	161	6	8			134	8	10			109	13	17			81	26	20		
13	163	6	6			138	10	9			114	16	6			90	18	16		
14	165	6	7			142	8	7			118	14	10			95	14	19		
15	167	4	7			143	7	8			122	10	12			99	14	19		
16	167	6	6			144	8	9			122	10	12			97	13	13		
17	167	6	10			144	9	11			124	10	12			98	17	13		
18	165	9	6			142	11	10			122	15	11			98	17	16		
19	165	14	7			144	8	12			122	10	10			101	14	10		
20	165	7	5			142	8	10			118	13	7			99	11	10		
21	164	5	8			140	8	8			117	14	8			99	13	10		
22	161	8	7			138	10	6			116	10	9			97	10	9		
23	161	6	6			137	9	9			116	10	11			97	12	10		

Hour (LST)	2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	70	10	6			64	10	4			46	9	4			21	12	4		
01	68	13	4			64	7	7			44	7	5			21	7	3		
02	68	10	6			64	6	6			42	5	5			21	4	4		
03	66	12	4			60	9	3			40	7	4			21	5	4		
04	66	9	6			60	9	5			36	10	10			21	4	4		
05	60	10	4			56	10	2			42	7	6			21	5	4		
06	48	13	5			51	9	5			40	8	6			21	4	4		
07	46	8	4			48	8	8			36	10	4			22	3	5		
08	46	5	7			*48					*32					*23				
09	*46					46	4	9			36	9	8			25	2	5		
10	46	3	6			42	6	6			32	8	2			25	4	6		
11	44	8	4			43	7	9			34	6	4			25	4	4		
12	44	8	6			44	12	10			38	8	6			27	4	6		
13	50	20	12			51	13	13			44	4	6			27	2	6		
14	62	14	22			54	10	8			45	5	5			29	4	6		
15	62	16	16			60	8	10			48	4	4			31	6	9		
16	68	12	18			64	6	8			51	5	5			31	8	8		
17	66	19	12			68	9	7			52	2	2			31	5	5		
18	72	16	6			68	12	6			52	12	4			29	12	6		
19	76	12	11			70	6	6			54	10	6			27	12	6		
20	78	10	12			70	6	6			50	12	4			25	6	6		
21	76	6	12			68	8	6			48	6	4			23	8	4		
22	74	6	6			66	4	6			46	4	2			23	5	4		
23	70	8	4			64	8	4			46	5	5			22	7	4		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Pretoria, S. Africa   Lat. 25.8S   Long. 28.3E   Month January   1963

Frequency (Mc)

Hour (LST)	.013 F_{am}	.013 D_u	.013 D_ℓ	.013 V_{dm}	.013 L_{dm}	.051 F_{am}*	.051 D_u	.051 D_ℓ	.051 V_{dm}	.051 L_{dm}	.160 F_{am}	.160 D_u	.160 D_ℓ	.160 V_{dm}	.160 L_{dm}	.495 F_{am}*	.495 D_u	.495 D_ℓ	.495 V_{dm}	.495 L_{dm}
00	*157					134					*114					97				
01	157	4	4			134					*112					96				
02	159	6	8			134					113	8	8			95				
03	*155					134					*111					95				
04	*158					134					*112					93				
05	*157					128					*105					83				
06	*153					128					*89					58				
07	*153					119					*81					59				
08	*152					117					*85					57				
09	*153					116					*81					57				
10	153	8	8			118					*86					61				
11	153	8	4			130					*97					64				
12	*157					134					*107					69				
13	*160					144					*122					80				
14	*163					146					*117					82				
15	*163					148					*117					93				
16	*163					140					*122					90				
17	*161					146					*121					92				
18	*161					143					*121					91				
19	*159					143					119	10	8			94				
20	161	4	6			142					127	2	14			99				
21	159	4	6			141					*118					102				
22	*159					140					*119					99				
23	*157					138					*114					97				

Hour (LST)	2.5 F_{am}	2.5 D_u	2.5 D_ℓ	2.5 V_{dm}	2.5 L_{dm}	5 F_{am}	5 D_u	5 D_ℓ	5 V_{dm}	5 L_{dm}	10 F_{am}	10 D_u	10 D_ℓ	10 V_{dm}	10 L_{dm}	20 F_{am}	20 D_u	20 D_ℓ	20 V_{dm}	20 L_{dm}
00	72	6	2			58	4	2			38	5	3			19	7	1		
01	74	4	6			58	4	2			37	2	4			18	8	0		
02	72	7	4			*58					37	2	4			18	6	0		
03	72	5	7			56	2	4			*33					18	6	0		
04	71	5	5			54	6	2			*31					18	8	0		
05	68	8	6			*56					*31					20	6	2		
06	54	10	8			50	11	6			34	7	3			18	8	0		
07	*50					*40					31	6	0			18	8	0		
08	*46					*38					*28					*18				
09	*49					36	6	10			*25					*22				
10	48	4	6			*38					*25					24	2	6		
11	*50					*36					*29					24	8	4		
12	*51					*42					*33					*28				
13	52	24	8			*45					37	12	4			26	14	4		
14	*57					46	18	6			40	5	5			28	8	4		
15	*54					50	12	4			*42					30	4	6		
16	62	22	14			52	16	4			45	7	4			30	4	6		
17	*69					56	10	9			*45					*28				
18	69	11	5			62	4	2			*45					*26				
19	76	8	4			64	2	4			45	2	2			26	12	6		
20	78	4	4			64	4	2			43	2	2			24	10	2		
21	78	4	4			62	4	2			41	4	2			23	3	5		
22	76	4	4			60	4	4			*40					22	4	4		
23	*76					*59					39	2	4			*18				

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-BL

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Pretoria, S. Africa Lat. 25.8S Long. 28.3E Month February 19 63

Hour (LST)	Frequency (Mc) .013					.051					.160					.495					2.5					5					10					20				
	F_{am}^*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}^*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}^*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}^*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}^*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}^*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}^*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}^*	D_u	D_ℓ	V_{dm}	L_{dm}
00	162					136					115					98					75					68					45					22				
01	160					136					109					97					72					66					44					20				
02	159					138					109					95					73					64					41					20				
03	160					133					110					92					71					61					37					21				
04	158					130					107					86					71					63					34					20				
05	158					126					102					80					67					62					35					20				
06	155					121					89					56					56					56					41					20				
07	154					116					77					54					47					50					39					20				
08	152					116					79					53					43					42					39					20				
09	154					122					85					55					43					44					33					24				
10	158					122					90					56					47					46					34					24				
11	160					127					91					58					48					46					33					27				
12	160					131					95					67					49					44					38					28				
13	164					134					101					70					49					45					43					28				
14	163					134					101					72					45					47					45					28				
15	164					137					103					72					61					55					49					30				
16	164					135					104					71					58					62					49					33				
17	163					141					106					82					66					66					51					32				
18	162					138					104					91					76					68					51					32				
19	164					138					113					98					82					71					50					30				
20	164					139					118					100					81					70					50					22				
21	164					142					113					99					79					70					45					25				
22	163					144					113					100					80					66					45					20				
23	163					139					112					98					75					67					44					22				

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Rabat, Morocco Lat. 33.9N Long. 6.8W Month September 19 62

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm
00	159	10	9			*132	9	13			114	11	5			91	8	10			65-	6	17			63	8	16			45-	9	15-			26	4	4		
01	159	5-	11			133	7	16			116	7	7			91	8	10			64	9	11			57	14	8			42	11	19			26	3	4		
02	160	7	9			132	4	14			117	9	8			87	10	11			66	7	18			57	9	9			43	12	20			24	4	2		
03	158	10	6			130	8	12			115-	5-	8			87	8	14			69	4	16			57	8	9			43	12	11			24	4	2		
04	156	15	7			129	10	10			115-	11	6			85-	8	16			63	8	8			57	7	13			40	7	11			26	3	5-		
05	156	9	14			127	5-	9			103	11	6			72	18	12			65-	5-	10			53	12	9			37	10	18			25-	3	3		
06	156	13	20			122	8	6			91	8	8			63	12	10			57	6	7			53	6	7			41	6	13			24	6	2		
07	156	12	23			116	12	4			86	8	7			59	9	7			49	4	11			45-	2	9			43	4	16			27	9	5-		
08	150	8	14			*118					85-	12	6			59	10	8			41	12	8			37	10	6			43	4	19			*30				
09	*154					*114					*87					*62					*45-					*33					*43					*26				
10	*152					114	8	6			91	7	16			*61	7	10			*39					29	6	14			39	8	9			28	16	4		
11	156	5-	7			118	10	10			93	6	15-			65-	19	10			41	7	10			27	4	3			37	8	16			28	2	5-		
12	154	10	12			124	7	18			99	12	17			67	21	14			41	8	10			29	13	10			35-	7	11			26	5-	4		
13	156	10	7			126	6	10			101	14	16			67	30	13			42	11	9			32	11	14			37	9	15-			30	6	6		
14	158	10	6			*128					113	10	31			65-	26	12			44	6	9			39	13	14			37	10	13			28	6	5-		
15	156	14	14			132	12	40			113	12	34			83	25-	24			44	10	7			41	14	20			43	6	14			29	4	3		
16	162	8	8			129	11	7			103	22	22			83	26	28			47	19	10			47	12	16			45-	8	10			32	5-	2		
17	159	12	6			131	14	7			108	19	23			81	25-	20			55-	15-	13			45-	10	12			47	8	11			34	5-	4		
18	158	10	5-			132	9	10			111	14	12			87	18	14			61	12	15-			59	7	11			51	14	10			30	8	2		
19	158	9	8			136	8	18			115-	12	14			93	18	12			69	10	16			59	8	12			47	9	11			30	6	7		
20	158	10	14			134	8	14			117	6	17			95	14	12			71	7	17			61	8	10			47	8	16			28	4	5-		
21	158	8	16			134	6	10			117	6	12			91	7	8			69	11	11			59	7	10			45-	10	12			26	4	3		
22	160	6	8			133	5-	11			115-	10	10			91	6	12			67	10	16			57	10	12			47	10	16			26	3	3		
23	159	9	18			130	12	16			113	10	5-			91	9	10			65-	8	13			58	10	10			44	13	13			26	2	5-		

F_{om} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

This sheet is a correction for corresponding sheet appearing in Tech Note 18-16

USCOMM-NBS-DC

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Singapore, Malaya Lat. 1.3N Long. 103.8E Month December 19 62

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	160	4	6	10.0	17.0	139	4	8	*10.5	*15.0	119	6	8	*10.5	*17.5	94	4	8	10.0	18.0	64	4	5	8.0	13.0	58	3	8	6.0	9.0	40	4	4	*6.0	*10.0	23	1	4	2.0	3.5
01	160	5	5	*12.0	*17.5	137	6	4	*10.5	*16.0	119	8	6	*11.0	*18.5	92	6	6	9.5	18.0	64	5	6	8.0	13.5	58	6	4	6.5	10.0	40	4	6	4.5	6.5	23	0	4	2.0	3.5
02	160	4	4	12.0	18.5	139	4	4	11.0	18.0	119	7	4	*10.5	*18.5	94	4	6	11.0	19.5	64	4	4	8.5	13.0	58	5	6	6.0	9.0	38	6	4	*6.0	*8.5	23	0	4	2.0	3.0
03	162	2	4	12.0	18.0	139	4	4	*12.0	*20.0	119	6	4	11.0	18.5	92	11	6	12.0	23.5	64	4	5	9.0	14.0	58	4	7	6.0	9.0	38	2	6	5.5	8.0	23	0	4	1.5	3.0
04	160	4	2	12.0	18.5	137	4	2	*12.0	*20.0	117	6	6	*12.5	*21.5	92	4	8	13.0	23.0	66	2	8	10.0	14.5	56	3	8	5.5	10.0	36	4	4	4.0	5.5	23	0	4	1.0	2.5
05	160	4	2	*13.0	*19.0	137	4	6	*13.0	*19.5	113	8	8	*15.0	*24.0	82	12	5	13.0	23.0	62	5	9	11.0	15.0	54	4	6	6.0	9.5	36	4	2	4.0	6.0	23	1	4	2.0	3.5
06	160	2	4	12.0	19.0	133	2	8	*14.5	*23.5	105	10	8	*16.0	*26.5	70	9	5	13.0	22.5	54	8	9	10.0	13.5	52	6	6	7.0	12.0	42	4	4	6.0	9.0	23	1	4	2.5	4.0
07	156	4	4	*11.0	*17.0	127	8	6	*15.5	*24.0	103	10	15	*18.5	*26.0	68	25	14			44	8	12	*13.0	*17.0	46	6	8	*10.5	*15.0	40	4	4	6.5	9.0	23	2	4	2.5	4.0
08	156	3	5	*13.5	*19.0	127	4	10	*16.0	*26.0	101	6	20	*14.0	*24.0	*60			14.0	26.0	38	10	10			41	6	7	*13.0	*19.0	35	7	1	*5.5	*7.0	23	2	4	*1.5	*3.0
09	156	4	6	*14.5	*23.5	127	2	10	*13.5	*23.0	99	8	18	*13.5	*25.0	60	34	8	10.0	14.0	32	15	4	*8.0	*11.0	37	9	10	*7.5	*11.0	*34			6.5	*9.5	23	3	4	3.0	4.5
10	156	4	6	*14.5	*21.5	125	3	5	*15.0	*21.0	95	12	6	*14.0	*23.0	60	24	6	10.5	16.0	28	12	2	*7.5	*10.0	32	9	8	*10.5	*13.5	33	3	5	*7.5	*10.0	23	2	4	3.0	5.0
11	156	4	4	*11.0	*16.0	127	2	4	*13.0	*21.5	97	15	5	*15.0	*22.5	66	23	9	13.0	20.0	30	10	5	*6.0	*9.5	32	10	4	*11.0	*14.5	32	6	2	7.0	11.0	23	2	4	3.0	4.5
12	158	2	3	*11.0	*16.5	129	6	7	*10.5	*17.0	100	19	9	*12.0	*22.5	77	15	16	15.0	27.0	32	20	6	*7.5	*9.5	32	12	6	*10.5	*15.5	34	4	6	7.5	12.0	25	2	6	3.0	4.5
13	160	2	5	*9.5	*14.5	131	9	4	*13.5	*14.5	105	19	8	*14.0	*23.0	79	20	14	13.0	24.5	33	15	5	*10.0	*14.5	36	16	8	10.0	14.0	36	7	4	7.5	12.0	27	0	8	4.0	6.0
14	160	4	2	*9.5	*14.5	135	9	6	*17.0	*24.0	112	16	9	*14.0	*22.0	90	15	14	13.0	23.0	38	24	6	*9.0	*12.0	40	16	4	*10.5	15.0	40	10	4	*8.0	*12.0	27	6	6	5.0	8.0
15	162	4	4	*11.0	*18.0	137	8	6	*13.0	*24.0	114	9	11	*11.0	*19.0	90	12	12	14.0	24.0	46	28	12	*9.0	*15.0	47	16	5	9.0	14.0	43	4	3	6.0	9.0	28	3	6	4.5	7.0
16	162	2	4	*11.5	*17.0	137	6	4	13.0	22.0	113	14	8	*12.0	*23.0	86	13	8	13.0	25.0	50	13	10	*10.0	*14.5	50	6	4	9.0	14.0	46	12	2	5.5	9.0	27	4	6	4.0	7.0
17	160	4	4	*12.5	*18.5	135	6	4	*13.0	*22.0	113	6	4	*10.0	*18.0	88	9	4	8.0	16.0	56	7	8	8.0	13.0	56	3	7	7.0	11.0	48	4	4	5.0	8.0	27	4	6	4.0	6.5
18	158	4	2	*10.0	*16.5	137	2	4	*10.5	*18.0	115	6	2	10.0	17.0	92	6	4	9.0	17.0	60	6	2	6.5	11.0	58	4	1	6.0	10.0	48	4	4	*6.0	*8.0	25	2	4	3.0	5.0
19	158	4	2	*12.0	*18.0	137	4	4	*13.0	*22.5	117	4	4	*9.5	17.5	94	6	4	9.5	17.0	62	6	3	7.5	12.5	60	4	4	7.0	11.0	46	2	4	*5.0	*8.5	25	2	5	3.0	4.5
20	160	2	4	10.5	16.0	137	4	2	*12.5	*20.5	117	4	2	11.5	20.0	94	4	4	8.0	15.0	62	6	2	7.5	11.0	58	4	6	6.0	10.0	46	2	4	*5.5	*8.5	25	3	5	4.0	6.5
21	159	3	3	*10.0	*15.0	137	4	4	*12.5	*21.5	117	6	4	*11.5	*20.0	95	5	5	10.0	18.0	62	4	4	7.0	11.0	58	4	5	*7.0	*11.5	48	0	4	6.0	10.0	25	4	3	3.5	6.0
22	160	2	4	*10.0	*15.0	138	3	5	*12.0	*20.0	119	8	4	*11.5	*18.5	96	4	8	9.0	17.0	62	4	4	7.5	12.0	59	3	7	7.0	10.0	48	8	6	*6.0	*9.0	23	4	4	2.5	4.5
23	160	4	4	*10.0	*15.5	137	6	2	*9.5	*16.0	119	6	4	*10.5	*18.5	93	5	5	10.0	19.5	62	4	5	7.5	13.0	58	6	6	6.5	10.0	46	14	6	*7.0	*9.0	23	1	4	2.0	3.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Singapore, Malaya Lat. 1.3N Long. 103.8E Month January 19 63

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}
00	158	2	2	7.5	12.0	134	2	2	10.0	15.5	115	3	6	11.0	18.0	90	6	4	11.0	18.0	62	5	6	9.0	15.0	57	2	4	6.0	9.5	40	4	5	6.0	8.0	23	2	0	2.0	3.5
01	158	2	2	8.0	13.5	134	2	2	8.5	14.5	115	4	6	*13.0	*21.0	90	6	4	9.5	17.5	64	2	6	*8.0	*15.0	61	3	5	6.0	10.5	38	6	3	4.5	6.5	23	2	0	2.0	3.5
02	158	2	2	10.5	16.0	134	4	4	9.0	14.5	113	6	4	10.0	17.0	90	6	6	10.0	17.0	62	5	4	8.5	15.0	57	2	6	6.0	11.0	36	4	4	4.0	6.0	23	2	0	2.0	3.5
03	156	4	2	9.0	14.5	134	3	6	11.0	17.0	111	6	3	11.0	18.0	88	8	6	10.5	19.0	62	4	4	9.0	15.0	53	4	6	6.0	10.0	34	2	2	2.5	5.0	25	0	2	2.0	3.5
04	156	5	2	10.0	16.0	132	4	4	13.0	18.0	113	4	10	13.5	22.0	90	2	12	10.0	17.0	60	6	4	8.5	14.0	51	4	5	5.5	9.5	32	2	0	2.0	4.0	25	0	2	1.5	3.0
05	156	4	2	10.0	16.5	130	6	2	12.0	19.0	109	8	7	13.0	21.5	84	6	12	10.0	13.5	56	6	6	*9.5	*15.0	49	7	4	5.0	8.5	32	4	0	2.0	3.5	25	0	1	2.0	4.0
06	156	4	2	9.0	16.5	128	3	4	11.5	19.5	97	6	6	*15.0	*22.0	72	8	10	6.0	9.0	54	4	7	*7.0	*15.0	51	3	4	5.0	9.0	38	2	2	*4.5	*7.0	25	0	0	2.0	3.5
07	152	2	2	11.0	18.0	122	4	6	*11.5	*17.0	85	11	6	*14.5	*23.0	72	8	8			41	10	7	*9.0	*12.5	45	11	5	*11.0	*19.0	38	3	3	4.0	6.0	25	1	0	2.5	4.0
08	152	2	3	12.0	17.0	118	6	6	*14.0	*21.0	87	10	8	*15.0	*25.0	74	12	8			32	11	6	*9.0	*15.0	35	4	4	*10.0	*15.0	36	2	6	4.5	7.0	25	2	2	2.0	3.5
09	152	2	2	*12.5	*19.0	118	8	8	*16.0	*25.0	85	10	6	*11.0	*20.0	70	15	9	2.5	6.5	30	6	4	*7.0	*11.0	33	4	8	*9.5	*13.5	32	2	2	4.0	6.0	25	0	2	3.0	4.0
10	152	3	3	*12.0	*18.5	118	10	6	*12.5	*20.0	85	10	9	*13.5	*21.5	69	14	8	8.0	13.0	30	3	3	*9.0	*13.0	29	6	4	*9.0	*14.0	30	2	2	*6.0	*9.0	25	0	2	*3.0	*5.0
11	153	3	3	*11.5	*18.0	118	9	4	*11.0	*19.0	85	11	11	*12.0	*19.5	75	12	14			30	4	4	*8.0	*13.0	27	8	2	*6.5	*10.0	30	4	4	*4.0	*6.0	25	0	2	3.0	4.5
12	152	2	4	11.0	17.5	120	6	4	*13.5	*19.0	86	9	5	*13.0	*21.0	76	6	12			30	5	4	*9.0	*12.5	27	6	2	*7.5	*11.0	30	2	3	6.0	9.0	25	2	2	3.0	4.5
13	154	4	4	11.0	16.0	122	4	4	8.5	13.5	89	10	8	*13.5	*21.0	72	10	12			30	6	4	7.5	11.0	29	8	6	*7.0	*8.0	30	4	3	6.0	9.0	25	2	2	3.5	5.5
14	155	3	3	*10.5	*17.5	124	8	4	*12.0	*21.0	95	8	6	*13.0	*23.0	77	9	11	16.0	26.0	30	6	4	9.0	13.0	33	6	4	*10.0	*16.0	34	8	4	7.0	10.0	25	4	0	2.5	5.5
15	156	2	2	*12.0	*18.5	127	3	5	*12.0	*19.5	99	8	6	*13.0	*26.0	78	10	7	8.0	19.0	34	12	4	*9.5	*13.0	39	9	7	9.5	13.5	38	10	2	6.0	9.0	27	2	2	3.0	6.0
16	154	3	0	10.5	18.0	128	4	9	*15.0	*23.0	99	6	7	12.0	19.5	78	10	6	7.0	16.0	38	10	6	*10.0	*17.0	43	8	4	*9.0	*16.0	42	8	2	*5.0	*9.0	27	4	2	4.0	6.5
17	154	4	3	11.0	19.0	128	5	8	*12.0	*22.0	103	5	4	11.0	19.0	82	8	8	9.0	14.0	50	9	8	9.5	17.0	51	5	5	6.0	10.0	44	7	2	4.5	7.5	27	3	2	5.0	8.0
18	154	2	4	9.5	15.0	130	6	4	12.0	19.0	111	4	5	*10.0	*18.5	92	4	8	8.0	14.5	58	7	8	7.0	11.0	57	3	2	*5.0	*9.0	46	2	4	5.0	8.0	27	2	3	2.5	4.5
19	156	2	4	10.0	15.0	132	6	6	12.0	19.5	113	5	5	*9.5	*17.5	90	4	4	11.0	20.0	62	6	6	6.5	12.0	59	10	3	*8.0	*13.0	44	3	2	5.0	7.5	25	2	2	3.0	5.0
20	156	3	4	9.0	14.0	132	4	4	9.5	16.5	113	4	6	12.0	22.0	92	4	6	9.0	16.0	62	7	7	7.0	13.0	57	8	2	*4.5	*8.5	44	2	4	5.0	8.0	25	3	2	2.5	4.5
21	156	4	2	*9.0	*14.0	132	5	4	11.5	20.0	113	5	4	12.5	22.0	92	8	6	9.0	17.0	62	4	7	7.5	13.0	59	2	4	6.5	11.0	44	5	3	4.0	7.5	25	2	2	3.0	4.5
22	156	4	0	8.5	15.0	134	2	4	11.0	17.5	113	4	4	10.0	18.0	90	6	4	9.0	17.0	60	6	5	*7.5	*13.5	57	7	2	*5.0	*9.0	46	10	4	*4.0	*7.0	25	2	2	3.0	5.0
23	156	2	2	7.5	12.0	134	2	3	8.5	15.0	113	3	4	*10.0	*17.0	90	4	4	8.5	15.0	60	6	5	8.5	13.5	57	2	4	6.0	9.0	46	8	9	*5.0	*8.0	23	1	0	*2.5	*4.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-DL

MONTH-HOUR VALUES OF RADIO NOISE

Station Singapore, Malaya Lat. 1.3N Long. 103.8E Month February 19 63

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	160	7	4	8.0	13.0	138	7	7	9.5	16.5	116	8	4	11.0	18.0	95	5	11	7.5	14.0	64	6	6	7.5	14.0	61	4	8	6.0	10.0	44	11	10	5.5	8.0	24	2	0	3.0	4.5
01	160	6	4	*8.5	*14.0	136	9	4	8.5	13.5	117	7	6	10.0	16.0	95	7	9	7.5	13.5	66	8	6	7.5	12.0	61	6	6	5.0	10.0	38	10	6	*7.0	*12.0	24	2	0	2.5	4.0
02	160	4	4	*9.0	*15.5	139	6	7	9.0	14.0	119	4	7	11.0	18.0	97	6	11	7.5	14.0	66	8	6	8.0	14.0	59	8	6	*5.0	*9.0	34	8	2	4.0	6.0	26	0	0	2.0	4.0
03	161	5	4	*8.0	*12.5	139	5	8	10.0	16.0	120	3	8	11.0	19.5	98	5	9	7.5	12.0	68	6	8	6.0	13.5	59	6	8	*7.0	*9.0	34	6	2	4.0	7.0	26	0	0	2.0	3.5
04	162	4	4	*9.0	*15.5	138	4	8	10.5	17.5	119	3	8	13.0	22.5	97	6	10	7.0	14.0	66	6	8	7.5	13.0	57	8	4	5.0	9.5	34	6	2	4.0	6.0	26	0	0	2.0	3.5
05	161	5	5	*11.0	*15.0	138	4	9	11.0	19.0	118	4	13	14.0	22.0	93	7	11	11.5	25.0	66	6	8	8.0	14.5	53	8	4	6.0	10.0	34	8	2	3.0	5.0	26	0	0	2.0	4.0
06	160	4	4	*10.0	*16.0	131	5	7	11.0	18.0	105	7	10	13.0	22.5	83	9	8			60	8	10	*10.0	*16.0	55	6	6	5.0	7.5	40	4	4	4.5	7.0	26	0	0	2.5	4.0
07	158	4	7	*10.5	*16.0	127	6	9	10.5	17.0	96	8	11	19.0	28.5	77	11	4			49	5	11	*11.0	*19.0	49	6	8	7.5	12.0	40	6	6	*6.5	*10.0	26	2	0	*2.5	*4.0
08	159	3	9	*12.0	*18.5	128	6	16	18.0	27.0	99	5	16	13.0	23.0	77	6	10	1.0	3.0	38	6	10	*11.0	*17.0	41	6	4	*10.5	*17.0	38	5	8	*8.5	*14.0	26	0	2	*3.0	*4.0
09	158	2	8	*11.5	*17.5	128	4	12	14.5	22.5	98	8	12	16.0	20.0	*76					32	3	4	*8.0	*12.0	35	5	8	*11.0	*10.5	36	3	7	*8.5	*13.0	24	2	0	2.5	4.0
10	158	4	8	*13.0	*21.5	126	6	12	16.0	23.5	96	6	14	13.0	22.0	*79					30	4	6	*8.0	*11.5	31	6	7	9.5	15.0	30	9	5	9.0	12.5	24	3	0	3.0	5.0
11	158	3	8	*12.0	*19.0	126	7	10	11.5	18.0	94	10	12	14.5	21.5	83	5	18			30	2	4	7.0	10.5	29	4	4	*9.5	*14.0	30	6	4	8.0	13.0	26	4	0	2.5	4.0
12	160	2	10	*11.0	*19.5	128	5	10	11.0	18.5	96	9	12	12.0	20.0	81	8	12			28	8	4	*6.5	*10.5	29	6	4	*8.0	*12.0	32	6	6	8.0	12.5	26	2	2	2.5	5.0
13	158	4	5	10.0	16.0	128	6	9	9.5	16.0	100	8	10	11.5	20.0	83	11	19	7.5	11.5	28	8	2	*6.5	*10.0	29	6	4	*8.5	*14.0	34	4	6	9.0	14.0	26	2	2	3.5	6.0
14	159	5	5	*9.5	*15.5	130	7	8	11.0	18.0	102	9	8	15.0	23.0	86	2	10			32	4	4	*8.0	*11.5	35	4	8	*8.0	*14.0	35	3	5	8.0	12.5	28	2	4	*5.0	*6.5
15	160	4	5	*10.5	*18.0	130	8	6	11.0	23.0	108	4	13	11.0	20.0	85	9	8	7.0	15.0	36	6	6	*10.0	*16.0	39	6	8	8.0	14.5	39	5	1	7.0	12.0	28	4	2	4.0	6.0
16	160	3	6	*9.5	*16.0	132	4	10	13.0	21.0	106	9	12	13.0	23.5	86	8	11	11.0	19.5	40	8	6	8.0	15.0	44	7	9	9.5	14.0	44	2	4	6.0	9.0	28	6	2	*4.5	*7.0
17	160	3	7	*10.0	*17.5	131	8	9	14.0	22.0	107	6	7	10.0	17.0	85	5	5	6.0	10.0	48	6	8	8.0	15.0	51	8	4	5.5	9.0	46	2	4	5.0	8.0	28	4	2	3.5	6.0
18	159	2	7	*10.5	*18.0	134	6	8	10.5	17.0	112	7	4	9.0	15.0	93	7	7	8.5	16.0	58	6	4	7.5	12.0	59	2	8	6.0	10.0	46	4	4	5.0	9.0	26	4	2	3.5	5.5
19	160	3	7	*10.0	*15.5	137	4	9	9.0	15.5	117	6	8	11.0	20.0	95	5	7	7.0	12.0	62	4	6	7.5	12.5	59	4	4	*5.0	*9.5	44	6	2	5.5	9.0	26	4	2	3.5	6.0
20	158	6	4	9.0	14.0	136	7	7	12.5	20.5	118	6	9	11.0	19.5	94	5	8	8.5	16.0	62	4	8	6.5	12.0	59	6	6	*6.0	*9.0	46	2	4	5.0	8.5	28	2	4	4.0	6.0
21	159	4	5	*9.0	*15.0	138	6	9			118	4	9	9.0	17.5	95	6	9	7.5	15.0	62	6	8	7.0	11.5	59	4	6	5.0	10.0	48	2	6	5.5	9.0	28	4	2	4.0	5.5
22	159	5	3	*7.5	*12.5	138	8	7	11.0	19.0	118	8	5	8.0	15.0	93	8	6	7.0	14.0	62	6	6	7.0	13.0	59	6	4	5.0	9.0	48	6	4	5.5	9.0	28	4	2	4.0	5.5
23	160	5	4	*7.0	*12.0	137	9	7	9.0	15.5	120	6	11	9.0	16.0	95	6	7	9.0	17.0	64	6	6	7.0	12.5	61	4	8	5.0	9.0	50	6	8	*6.0	*9.0	26	2	2	*3.0	*4.5

F_{am} = median value of effective antenno noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Warrensburg, Mo. Lat. 38.7N Long. 93.8W Month November 19 62

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495																							
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	148	4	4			126					103	7	8			81	16	5																					
01	148	6	6			123					99	12	4			*81																							
02	150	4	8			121					99	14	8			81	16	6																					
03	148	6	8			126					99	11	10			79	16	10																					
04	148	8	10			126					98	13	7			83	12	10																					
05	148	5	5			126					95	12	8			74	7	5																					
06	146	6	3			122					89	20	2			*74																							
07	146	6	8			119					*89					*71																							
08	144	6	8			119					*88					*69																							
09	144	6	8			116					*88					*69																							
10	144	6	4			117					*91					*70																							
11	144	8	4			116					*87					*69																							
12	144	9	7			116					*87					*69																							
13	146	8	10			116					*89					*69																							
14	145	6	6			118					*90					*72																							
15	144	10	7			118					*87					*69																							
16	144	6	7			119					*89					*69																							
17	144	6	8			120					91	12	4			70	10	1																					
18	147	5	6			122					95	10	7			77	8	7																					
19	147	3	10			124					97	8	8			79	11	4																					
20	148	7	7			126					99	8	7			85	9	8																					
21	148	4	8			125					99	8	8			87	6	12																					
22	149	3	6			124	8	8			99	8	8			85	9	6																					
23	148	4	4			124					101	6	10			85	6	4																					

F_{om} = median value of effective antenno noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation af average logarithm in db below mean power

USCOMM-NBS-DL

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Warrensburg, Mo. Lat. 38.7N Long. 93.8W Month December 19 62

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495																							
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}
00	148	6	8			124	8	4			99	10	6			85	6	8																					
01	148	6	10			125	7	3			99	12	6			81	12	4																					
02	149	5	9			125	7	3			99	10	8			81	12	6																					
03	148	6	8			126	6	4			95	12	6			78	11	5																					
04	148	6	8			126	6	4			97	10	6			77	12	4																					
05	148	8	10			123	9	1			93	10	6			74	14	5																					
06	148	4	12			124	6	3			90	13	3			72	13	3																					
07	146	4	8			122	6	4			*89					*73																							
08	146	2	6			118	8	3			*87					*89																							
09	144	6	4			118	2	4			*89																												
10	144	4	4			116	4	2			*89																												
11	144	5	6			116	6	2			*89																												
12	144	6	6			116	6	2			*93					*69																							
13	144	6	8			116	2	2			*93																												
14	144	4	6			116	4	2			*91					*69																							
15	142	5	4			*116					*94					*70																							
16	142	6	5			116	8	2			*90					*72																							
17	142	7	6			118	8	3			93	12	6			73	12	4																					
18	144	5	4			122	6	4			95	10	6			76	9	7																					
19	146	4	6			122	6	4			95	9	6			77	10	4																					
20	144	7	4			123	6	4			95	9	6			81	6	10																					
21	146	5	6			122	6	2			95	9	4			81	4	6																					
22	147	5	7			122	8	2			95	10	4			81	6	6																					
23	148	4	8			122	8	4			98	9	7			81	10	6																					

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-DL

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Warrensburg, Mo. Lat. 38.7N Long. 93.8W Month January 1963

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495																							
	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}
00	148	6	4			124	10	6			100	9	7			84	15	9																				
01	148	6	6			124	8	4			101	10	8			84	13	9																				
02	*148					124	8	4			102	7	9			85	12	6																				
03	148	4	8			124	8	6			99	10	8			81	14	6																				
04	148	6	2			*123					97	10	8			79	16	8																				
05	148	6	4			*122					*93					*77																						
06	148	8	4			118					*91					*81																						
07	*146					*120					*91					*69																						
08	*145					*116					*89					*72																						
09	*144					*115					*91					*71																						
10	144	10	6			*116					*87					*71																						
11	146	8	6			*116					*93					*71																						
12	146	6	9			*116					*90					*70																						
13	146	8	6			*116					*92					*70																						
14	148	8	8			*116					*95					*69																						
15	144	6	7			*114					*92					*69																						
16	144	5	8			*115					*87					*71																						
17	143	5	8			*116					*93					*74																						
18	144	7	6			*119					*95					*75																						
19	144	8	8			*120					*99					81	12	10																				
20	145	8	8			122	6	10			96	10	9			80	10	8																				
21	146	5	6			121	9	7			97	13	8			81	15	7																				
22	147	5	6			122	8	10			99	10	8			82	15	8																				
23	146	6	6			122	6	8			101	8	11			83	16	8																				

F_{om} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Warrensburg, Mo. Lat. 38.7N Long. 93.8W Month February 19 63

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495																							
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	152	6	5			127	7	10			105	9	13			89	9	12																					
01	152	4	4			125	8	8			103	12	12			82	18	4																					
02	152	6	6			125	9	10			102	13	12			85	16	10																					
03	154	2	6			127	7	9			100	17	11			83	18	9																					
04	154	4	6			127	8	11			103	12	12			81	15	9																					
05	152	4	4			125	10	10			97	15	6			79	16	6																					
06	152	2	4			121	9	7			93	9	4			71	12	2																					
07	152	2	6			118	8	5			*91					*72																							
08	148	6	4			117	10	2			*90																													
09	*145					*115					*92																													
10	148	6	8			*117					*90					*69																							
11	146	7	7			*116					*91					*69																							
12	148	4	4			*115					*93					*71																							
13	148	6	6			*115					*95					*71																							
14	148	4	6			*115					*95					*72																							
15	148	6	6			*115					*93					*75																							
16	148	6	6			*115					*91					*70																							
17	146	6	6			117	11	4			97	6	10			73	10	4																					
18	146	8	6			119	11	4			93	15	5			75	14	6																					
19	146	8	6			121	11	7			96	16	7			79	16	8																					
20	148	8	6			123	8	8			97	15	8			83	14	10																					
21	148	7	6			122	7	9			97	14	10			85	14	10																					
22	150	4	6			123	8	8			101	10	14			85	14	8																					
23	150	6	6			121	12	8			103	11	14			87	11	10																					

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0 N Long. 79.5 W Season Winter (Dec. Jan. Feb.) 1962-63

	TIME BLOCKS (LST)																										
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	155	4	6	10.5	16.0	155	6	4	10.0	15.5	151	8	4	11.0	16.0	153	8	4	9.5	14.5	155	6	6	11.0	16.5	153	8	4	11.5	17.0
.051	131	8	7	10.0	16.0	129	10	8	10.5	16.0	120	13	12	13.5	19.5	127	8	10	10.0	15.0	127	10	2	11.0	16.5	129	10	6	9.5	15.0
.160	114	8	8	9.0	15.5	110	10	20	11.5	19.0	95	21	17	13.5	20.5	98	18	12	9.0	14.5	108	10	14	9.5	15.0	112	8	8	9.0	15.0
.495	94	8	6	7.5	14.0	84	12	18	11.5	20.0	76	18	10	12.0	19.0	76	20	8	11.5	18.5	90	8	14	7.5	12.5	94	6	4	6.5	12.0
2.5	61	10	6	5.5	10.0	57	12	12	6.0	11.5	35	14	6	4.0	6.0	33	10	4	2.5	4.5	51	12	12	6.0	10.0	59	8	6	5.5	9.5
5	53	4	4	3.5	7.0	53	8	6	4.5	8.5	37	8	6	5.0	7.5	35	8	4	3.5	5.5	53	8	6	4.5	9.0	53	12	4	3.5	7.0
10	38	8	6	2.5	4.5	38	12	8	3.0	5.5	38	4	6	3.0	5.0	40	6	8	3.0	5.5	44	6	8	3.0	5.5	38	6	6	3.0	5.0
20	23	4	1	1.5	3.0	24	3	2	2.0	3.5	26	2	4	2.5	4.0	28	4	4	3.0	5.0	26	4	4	3.0	4.0	22	4	0	2.0	3.5

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-BL

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Bill, Wyoming Lat. 43.2N Long. 105.2W Season Winter (Dec. Jan. Feb.) 19 62-63

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	154	4	4	10.0	16.0	154	2	4	11.5	18.0	148	6	4	11.0	17.0	148	4	4	11.5	17.0	148	6	4	12.5	19.0	152	4	4	12.0	18.0
.051	126	6	4	4.0	7.5	126	4	8	3.0	7.0	114	8	8	2.5	6.0	114	5	6	3.0	6.5	120	8	8	3.5	7.0	124	6	4	3.5	7.0
.160	97	10	8	9.0	16.0	87	12	10	8.5	14.0	69	14	6	3.0	5.5	67	16	2	3.0	5.5	87	12	16	8.0	13.0	95	10	10	9.0	15.5
.495	79	10	6	7.5	12.5	67	14	12	5.5	9.0	56	5	3	2.0	4.0	55	6	4	2.0	4.5	66	15	9	4.5	8.0	79	10	6	6.5	11.5
2.5	53	8	6	4.0	7.0	51	6	8	4.0	7.0	27	8	4	2.0	4.0	25	4	4	2.0	3.5	45	8	16	3.0	5.5	51	8	4	3.5	6.5
5	52	4	6	3.5	7.0	50	6	6	4.0	7.0	32	10	6	2.5	4.0	28	6	5	2.0	3.5	48	6	8	3.0	5.5	52	4	8	3.5	6.5
10	36	12	6	1.5	4.0	38	8	6	2.0	4.0	36	4	4	2.5	4.0	38	10	6	2.0	4.0	40	12	8	2.5	4.5	34	12	4	1.5	3.5
20	24	2	2	1.5	2.5	24	2	0	1.5	3.0	26	2	2	2.0	3.5	26	4	2	2.0	3.5	24	0	2	1.5	3.0	24	0	2	1.5	3.0

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1N Long. 105.1W Season Winter (Dec. Jan. Feb.) 1962-63

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	154	2	4	9.5	15.5	152	4	2	10.0	16.5	148	4	4	9.5	15.0	148	4	4	9.5	14.5	148	4	4	10.5	16.5	152	2	4	11.0	16.5
.051	124	8	4	4.0	7.5	122	8	4	3.5	7.0	112	8	10	3.0	6.0	112	8	8	3.0	6.5	120	6	8	3.0	7.0	124	4	8	4.5	8.0
.160	96	14	6	8.0	14.5	86	12	12	7.0	11.0	76	10	6	2.5	4.5	76	12	4	6.5	11.0	88	14	10	6.5	11.5	96	10	8	8.0	13.5
.495	79	12	6	6.0	11.0	67	12	6	4.0	7.0	65	2	6	2.0	4.5	63	4	2	2.0	4.0	71	12	8	4.0	7.5	79	12	4	5.5	10.5
2.5	54	6	6	3.0	5.5	52	8	6	2.5	5.0	48	4	8	2.0	3.5	48	8	6	2.0	4.0	50	6	6	2.0	4.0	54	6	6	3.0	5.5
5	51	6	4	4.0	7.0	49	6	6	3.5	6.5	39	4	6	2.0	4.0	39	4	4	2.0	4.5	49	6	6	3.0	6.0	51	6	6	4.0	7.0
10	37	12	6	2.0	4.5	39	6	5	3.0	5.0	37	4	6	3.0	5.0	41	4	8	3.5	6.0	41	8	8	2.5	5.0	33	14	4	2.0	4.0
20	22	2	0	1.5	3.0	24	2	2	1.5	3.0	26	5	2	2.0	4.0	26	6	2	3.0	5.0	24	0	2	1.5	3.5	22	2	0	1.5	3.0

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-BL

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Byrd Station, Ant. Lat. 80.0S Long. 120.0W Season Spring (Sept. Oct. Nov.) 1962

	TIME BLOCKS (LST)																											
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	109	6	6			108	7	5			108	6	6			108	6	7			109	6	7			109	7	6		
.113	90	7	6			92	6	6			91	6	6			91	6	6			92	7	6			91	6	7		
.246	67	3	3			67	7	4			67	5	3			66	5	3			68	3	2			66	3	3		
.545	53	8	3			53	10	3			52	11	3			52	6	3			52	7	2			51	8	3		
2.5	19	12	2			20	6	3			20	9	3			19	4	2			20	8	3			20	6	3		
5	22	13	9			18	12	4			16	6	4			21	6	7			25	10	9			27	10	12		
10	23	6	10			18	8	7			20	5	8			22	4	4			26	6	7			25	5	9		
20	23	2	2			22	2	3			22	2	2			23	2	1			24	2	2			23	1	3		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-BL

RN-14

** No September or October data for D_u and D_ℓ.

This sheet is a correction for corresponding sheet appearing in Tech Note 18-16 for F_{am} - 20 Mc

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Cook, Australia Lat. 30.6S Long. 130.4E Season Summer (Dec. Jan. Feb.) 19 62-63

Frequency (Mc)	TIME BLOCKS (LST) 0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	158	6	4	9.5	15.0	154	8	4	10.0	17.0	154	4	6	13.0	20.5	156	6	8	10.0	17.0	160	4	8	9.0	15.0	160	6	6	9.5	16.0
.051	138	5	6	8.5	16.0	128	10	14	10.5	17.5	124	6	12	12.0	20.0	132	4	10	8.5	15.5	134	6	11	6.5	11.5	138	4	8	7.5	13.5
.160	115	4	6	7.5	15.0	95	16	16	11.0	18.5	87	12	10	10.0	17.5	99	12	12	8.0	14.0	107	10	14	6.5	12.0	115	4	6	5.5	11.5
.545	96	6	8	7.0	14.0	60	32	18	7.0	12.5	48	14	6	4.5	7.5	56	26	10	7.0	11.0	76	20	24	6.5	11.0	98	8	8	5.0	11.0
2.5	69	4	8	5.5	10.5	55	14	22	7.5	13.0	23	14	2	6.0	9.0	25	26	4	5.0	8.5	55	14	25	5.0	8.0	71	4	10	5.0	9.5
5	59	4	4	5.0	9.5	53	8	18	6.0	10.5	24	13	7	7.5	11.5	27	16	8	5.5	9.0	51	8	12	4.5	7.5	61	4	5	4.5	9.0
10	45	6	5	5.0	8.5	39	6	6	4.0	7.0	29	6	4	4.5	6.5	33	8	8	5.0	7.5	47	4	6	4.5	7.5	47	4	4	5.5	9.0
20	22	1	1	3.0	4.0	23	1	2	3.0	4.5	23	2	2	3.0	5.0	25	4	4	3.5	5.5	25	5	4	3.0	5.0	24	1	3	3.0	4.5

F_{am} = median value of effective antenna naise in db abave ktb

D_u = ratio af upper decile to median in db

D_ℓ = ratia af median ta lawer decile in db

V_{dm} = median deviatian af average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-BL

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 60-70 S Long. 52.5-67.5 W Season Summer(Dec Jan xxx) 19 62-63

Frequency (Mc)	TIME BLOCKS (LST) 0000–0400 F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	0400–0800 F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	0800–1200 F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	1200–1600 F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	1600–2000 F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	2000–2400 F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
*** .013	152	4	7	11.5	17.5	150	4	4	11.5	18.0	150	4	6	10.0	15.5	154	4	4	7.5	12.5	152	4	7	8.0	13.5	150	5	5	8.5	16.0
** .051	123	8	8	8.0	13.5	113	8	10	10.5	15.5	112	7	12	9.5	15.5	117	5	6	6.5	11.0	111	8	5	7.0	12.0	119	9	7	8.0	13.0
** .160	87	12	15	6.5	11.0	72	11	6	12.5	16.5	73	11	8	11.5	15.0	73	17	7	7.0	11.5	72	10	13	9.5	12.0	83	19	10	7.0	11.0
** .495	74	10	18	5.0	8.0	68	10	12	6.5	11.0	66	10	8	4.0	6.0	62	12	6	3.0	5.0	62	10	6	3.0	4.5	72	11	10	5.0	8.0
2.5	62	10	8	4.0	6.5	46	14	14	4.5	7.5	38	12	6	4.5	7.0	38	14	8	4.0	6.5	48	4	18	5.0	7.5	58	8	8	3.5	6.5
5	58	6	4	4.5	7.5	43	10	9	5.0	7.5	36	4	4	5.5	8.0	36	4	4	6.0	8.0	40	10	8	4.5	7.0	58	6	5	4.0	6.0
10	45	6	12	4.0	6.0	39	11	10	6.0	9.0	33	3	5	3.5	5.0	33	6	6	2.5	4.5	39	6	6	3.5	5.5	45	6	4	3.0	5.5
20	29	6	4	3.0	4.0	31	10	6	4.0	5.0	29	8	3	3.0	4.5	29	6	2	2.5	4.0	29	6	2	2.0	3.5	31	10	6	3.0	4.0

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-BL

RN-14

** No December data

*** No February data

Correction for Spring 1962 Lat. 40-50 S Long. 67.5-82.5 W for F_{am}, 0000-0400 for 10 Mc should be 48, and 1200-1600 for .160 should be 80

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 60-70 S Long. 37.5-52.5W Season Summer(*** *** Feb) 19 62-63

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	148	4	8	11.0	17.0	146	4	8	11.5	18.5	146	4	6	9.0	13.0	150	4	4	8.0	13.0	152	2	6	8.5	13.5	150	4	6	9.5	13.5
.051	120	8	6	8.0	13.0	110	10	9	9.5	14.0	102	8	6	7.5	11.0	112	8	16	9.0	13.5	114	4	8	6.0	11.0	122	6	6	7.5	12.5
.160	91	14	8	9.0	16.0	77	10	14	7.5	11.5	67	10	4	7.0	8.5	69	12	6	5.0	7.0	73	4	8	4.0	6.0	93	8	14	6.5	12.0
.495	78	6	4	7.5	14.5	83	21	30	4.5	9.0	60	6	6	3.0	5.5	60	8	6	2.0	4.0	68	4	10	3.0	5.5	80	4	8	6.0	11.0
2.5	58	8	4	4.5	6.5	50	10	23	4.5	10.5	32	20	8	4.5	7.5	32	22	8	3.5	5.0	50	6	22	3.5	5.5	60	6	8	3.5	7.0
5	61	4	6	3.0	5.0	59	10	14	5.5	9.0	39	4	8	4.5	7.0	33	10	4	5.5	8.0	49	8	10	3.0	5.5	61	4	6	3.0	6.0
10	44	6	6	3.0	5.0	40	19	6	3.0	4.0	32	4	2	3.0	5.0	32	4	4	2.0	4.0	41	5	7	3.0	5.0	44	6	6	3.0	5.0
20	30	2	4	2.0	3.0	30	9	2	2.0	3.5	28	2	0	2.0	3.5	28	4	0	2.0	4.0	28	2	0	1.5	3.0	28	4	2	2.0	3.5

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

*** No December or January data

USCOMM-NBS-BL

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 50-60 S Long. 67.5-82.5 W Season Summer(Dec Jan Feb) 1962-63

	TIME BLOCKS (LST)																										
	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	150	>0	4	9.5	16.0	148	2	9	10.0	14.5	148	3	10	10.0	15.0	152	4	2	8.5	13.0	150	6	4	9.0	15.0	150	6	2	10.0	16.0
.051	122	12	4	10.5	16.0	112	7	11	11.5	16.5	114	8	11	9.5	15.0	122	4	8	7.0	12.5	116	9	12	8.0	12.0	124	12	4	9.0	15.0
.160	87	10	20	8.0	14.0	72	16	9			76	7	5	9.5	13.5	81	10	10	8.5	15.5	77	12	14			87	16	20	9.0	15.0
.495	>73	<22	>11	3.5	6.5	64	4	12	7.5	10.0	62	8	6	2.5	4.5	64	10	5	2.5	4.5	62	>11	5	2.0	4.0	76	22	6	4.5	8.0
*** 2.5	60	7	10	5.0	8.5	44	5	7	4.5	8.0	29					33					49	9	8	4.0	7.0	62	4	13	5.0	8.5
*** 5	54	13	6	4.0	8.5	40	9	6	5.0	8.5	28					34					44	8	6	4.5	7.0	52	76	4	4.5	7.5
*** 10	41	6	6	3.0	7.0	37	9	5	4.5	8.5	33	4	4	4.0	7.0	33	6	2	3.0	6.0	40	5	7	3.5	6.0	40	17	6	3.5	7.0
** *** 20	27	2	0	2.5	4.0	29	9	2	2.5	4.5	33	7	6	3.0	6.0	31	10	4	3.0	6.0	29	4	2	2.5	5.0	29	8	2	2.0	4.0

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

** No January data

*** No January or February data for log and voltage

USCOMM-NBS-BL

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 50-60 S Long. 52.5-67.5 W Season Summer (Dec Jan Feb) 1962-63

	TIME BLOCKS (LST)																										
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	150	6	6	10.0	16.5	148	5	9	11.0	17.5	148	6	9	9.0	15.0	154	6	8	8.5	14.0	152	6	6	8.5	13.5	150	8	6	10.0	16.0
.051	124	7	10	10.0	16.0	112	10	8	12.0	18.5	112	8	8	13.0	19.5	120	6	10	8.0	13.5	118	8	12	7.0	12.5	124	10	10	9.0	16.0
.160	92	17	16	8.0	14.0	76	9	11	11.0	15.0	75	9	8	9.5	13.5	84	7	15	9.0	13.5	81	11	11	6.5	10.5	95	13	12	8.0	13.5
.495	76	12	12	5.5	10.0	66	14	10	2.0	4.5	64	8	7	2.5	5.0	64	14	7	2.5	6.0	66	6	6	2.5	5.5	78	10	10	6.0	10.5
** 2.5	63	11	8	5.0	8.0	47	14	16	6.0	8.5	31	16	4	4.0	6.0	32	16	5	4.0	6.0	43	25	14	3.5	6.0	63	8	8	4.0	7.0
** 5	56	8	6	4.5	7.5	42	16	12	4.5	7.0	32	4	6	6.0	8.0	32	11	6	5.0	8.0	42	12	12	3.5	6.0	58	8	6	3.5	6.5
** 10	43	8	6	4.5	7.0	39	12	10	5.0	7.5	31	6	6	4.0	6.5	33	6	6	4.0	6.0	45	6	12	3.0	5.5	47	6	6	4.0	6.5
** 20	29	6	2	2.0	4.0	29	8	4	3.5	5.0	29	>2	2	2.5	4.0	29	6	2	2.5	4.0	29	6	2	2.5	4.5	31	6	4	2.5	4.0

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

** No February data for log and voltage

USCOMM-NBS-BL

RN-14

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 50-60 S Long. 37.5-52.5 W Season Summer (*** *** Feb) 1962-63

	TIME BLOCKS (LST)																										
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	150	6	4	11.5	18.5	150	>4	8	12.0	18.5	148	>6	2	11.5	17.0	150	>5	6	10.0	16.0	150	6	4	7.5	12.5	154	2	8	9.5	15.5
.051	130	4	2	9.0	15.5	120	10	4	10.0	16.0	114	6	6	10.0	16.0	120	3	7	9.0	14.5	120	4	6	7.0	11.5	130	2	8	9.0	14.0
.160	105	6	4	7.5	14.5	85	18	19	8.0	15.0	77	10	9	7.0	10.5	77	21	6	6.0	10.0	77	4	8	7.5	11.5	103	4	9	6.5	12.0
.495	86	5	6	6.5	12.5	75	9	12	3.5	8.0	66	3	7	1.5	3.0	64	16	3	3.0	6.0	64	4	5	2.0	4.5	84	5	9	4.0	7.5
2.5	64	2	6	4.0	6.5	54	12	20	6.5	9.0	39	8	14	3.0	5.0	42	4	15	3.5	5.5	46	4	16	3.0	6.0	62	4	6	3.5	6.0
5	65	2	8	3.0	5.5	57	12	14	5.0	8.0	35	6	7	6.0	8.5	37	4	6	5.0	7.0	47	10	10	3.0	5.5	63	4	6	3.5	6.0
10	46	6	4	3.0	6.0	44	12	8	6.0	9.0	34	4	2	3.0	5.0	34	6	4	4.0	5.0	44	2	6	3.0	5.0	46	2	2	3.5	5.5
20	30	2	2	2.5	3.5	30	9	2	2.0	3.0	30	2	2	2.0	3.0	30	2	2	2.0	3.0	30	1	2	2.0	3.0	30	0	2	2.0	4.0

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

*** No December or January data

USCOMM-NBS-BL

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Enkoping, Sweden Lat. 59.5 N Long. 17.3 E Season Winter (Dec Jan Feb) 19 62-63

Frequency (Mc)	TIME BLOCKS (LST) 0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	152	2	2	10.5	16.5	152	2	2	11.0	18.0	146	6	4	12.5	19.0	146	4	2	10.0	15.5	150	2	6	8.0	13.0	152	2	2	8.0	13.5
.051	117	4	4	8.5	14.0	115	6	6	10.5	16.5	103	8	10	12.5	16.5	99	12	8	12.0	16.5	111	6	8	9.5	15.0	117	4	6	8.5	14.5
.160	98	7	5	5.0	9.0	99	6	10	4.0	8.0	89	6	6	4.0	7.5	89	8	4	5.5	9.0	95	8	6	3.5	7.0	99	6	6	4.5	8.5
.495	74	14	8	3.0	5.5	66	15	8	2.5	5.0	62	8	8	2.0	3.5	62	16	8	2.0	3.5	74	16	10	2.0	4.0	74	18	7	3.0	5.0
2.5	55	6	6	4.0	7.5	51	8	5	3.5	7.0	36	13	7	3.5	6.5	33	10	6	3.0	5.5	51	9	8	4.5	8.0	55	8	6	4.0	8.0
5	49	6	4	4.0	7.5	49	4	6	4.0	7.5	37	12	10	4.0	6.5	35	10	10	3.0	5.0	49	6	6	3.0	6.0	55	6	6	3.5	6.5
10	31	8	2	2.0	4.5	31	8	2	2.0	4.0	43	8	10	4.0	7.0	47	12	10	6.0	10.5	39	22	9	4.0	7.0	31	8	2	2.0	4.5
20	20	2	6	1.0	2.5	20	2	6	1.0	2.5	20	6	4	2.0	4.0	20	4	4	1.5	3.0	18	3	4	1.0	2.5	18	2	4	1.0	2.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-BL

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Front Royal, Virginia Lat. 38.8 N Long. 78.2 W Season Winter (Dec Jan Feb) 19 62-63

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.135	98	10	7			91	17	2			84	9	4			84	8	4			89	11	6			98	9	7		
.500	76	13	6			65	16	10			54	7	4			54	6	2			62	14	9			75	10	6		
2.5	56	9	7			51	12	7			32	7	5			31	4	4			48	11	13			56	7	7		
5	48	7	5			46	8	5			34	7	6			32	4	6			46	7	7			48	7	5		
10	29	2	2			29	4	1			30	3	2			30	5	2			33	6	3			29	3	1		
20	21	1	1			22	1	1			22	1	1			22	2	1			22	1	1			21	1	1		

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-BL

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Ibadan, Nigeria Lat. 7.4 N Long. 3.9 E Season Fall (Sept Oct Nov) 19.59

	TIME BLOCKS (LST)																										
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.05-1	133	6	6	9.0	16.0	127	8	14	11.5	19.0	121	14	12	12.5	20.5	135	12	10	9.5	16.0	141	8	8	9.5	16.5	137	6	8	8.5	16.0
.113	121	6	9	8.5	14.5	113	8	12	9.0	14.0	105	14	8	8.5	13.0	122	12	15	10.0	16.5	127	10	10	9.0	16.0	125	6	10	8.0	14.5
.246	102	6	9	8.0	16.0	90	14	16	11.5	20.5	80	19	16	9.5	16.5	104	16	22	11.0	19.0	110	15	18	9.0	16.5	104	10	8	6.5	14.0
.545	87	8	8	7.5	16.0	75	18	16	8.5	16.5	67	18	12	8.5	17.0	93	14	24	9.5	18.0	95	15	14	7.0	13.0	91	6	8	5.5	12.0
2.5	55	14	6	5.5	11.5	49	16	16	7.5	13.0	35	12	6	6.5	9.0	49	16	16	7.5	13.5	65	8	20	5.0	9.5	63	10	10	4.5	9.0
5	56	4	10	5.0	9.5	50	8	14	6.0	10.5	32	12	8	7.5	15.0	42	12	14	7.5	13.0	58	8	14	4.5	8.5	58	6	10	4.0	8.0
10	43	5	10	4.0	8.0	39	6	10	5.0	9.5	31	8	9	8.0	13.0	39	6	12	5.5	9.0	45	8	12	3.5	7.5	45	6	10	4.0	7.5
20	28	8	4	2.0	5.0	28	8	4	2.0	4.5	28	8	4	4.0	7.0	32	6	4	3.5	6.0	30	11	6	3.0	6.5	28	10	2	2.5	5.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-BL

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Ibadan, Nigeria Lat. 7.4 N Long. 3.9 E Season Winter (Dec Jan Feb) 19 59-60

Frequency (Mc)	TIME BLOCKS (LST) 0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
** .051	128	10	15	8.5	15.5	122	16	12	13.0	21.0	116	23	10	13.0	21.0	120	18	9	10.5	18.0	124	20	14	9.5	17.0	124	16	12	8.0	15.0
** .113	116	10	14	9.0	15.5	108	18	12	13.0	19.0	104	22	10	11.0	17.5	106	19	14	11.5	19.5	114	16	19	9.0	16.0	114	14	16	7.5	14.0
** .246	97	12	13	7.5	15.0	89	18	16	11.5	21.0	81	24	12	13.5	24.0	88	20	17	11.0	19.5	92	23	19	10.0	18.0	97	14	16	6.5	13.5
** .545	82	12	10	6.5	12.5	72	17	16	10.0	20.0	64	22	14	13.0	21.0	72	16	20	10.5	19.5	78	19	22	7.5	14.5	82	14	12	6.5	12.5
*** 2.5	50	12	14	6.0	11.0	44	14	18	7.0	12.0	28	12	8	9.0	14.0	32	17	10	6.0	9.5	46	16	24	5.5	10.0	50	12	16	5.5	10.5
*** 5	49	8	14	4.5	9.0	45	12	14	5.5	10.0	29	10	8	8.0	14.0	31	13	10	4.5	9.0	47	12	20	4.5	8.0	51	8	18	4.5	9.5
*** 10	37	6	12	5.0	9.5	33	8	10	6.0	10.0	25	8	11	6.0	10.0	29	8	12	6.5	11.0	35	10	13	4.0	7.0	37	6	12	4.0	8.0
*** 20	28	3	4	2.0	5.0	26	6	2	1.5	3.5	24	6	2	3.0	5.0	28	4	4	3.0	6.0	28	7	6	2.0	5.0	26	6	4	2.0	5.0

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-BL

RN-14

** No February data

*** No February data for log and voltage

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Ibadan, Nigeria Lat. 7.4 N Long. 3.9 E Season Spring (Mar Apr May) 19 60

Frequency (Mc)	TIME BLOCKS (LST) 0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
** .051	142	10	6			138	11	17			134	8	19	12.0	21.0	140	10	15	10.0	17.0	148	8	12	7.5	13.5	146	8	16	6.5	12.5
** .113	129	10	8			125	10	14			121	8	19	13.0	24.0	127	10	15	11.0	18.0	134	9	13	7.0	13.5	129	13	8	7.0	14.0
** .246	113	11	12			105	12	19			98	12	17	12.5	22.0	109	14	24	12.5	21.0	117	12	18	8.0	14.5	113	14	14	21.5	10.0
** .545	98	9	12			83	19	25			74	14	14	12.0	23.5	88	21	32	12.0	22.0	98	17	24	7.0	13.5	92	21	23	5.0	11.0
*** 2.5	61	10	18	4.5	8.0	51	16	6	8.0	13.0	35	25	10	11.0	14.5	41	26	14	9.0	15.0	61	10	22	5.0	9.0	63	10	20	7.0	8.5
*** 5	57	6	12	5.0	9.0	51	10	18	6.5	11.0	31	14	8	11.0	16.0	39	16	12	10.0	14.0	55	10	15	5.0	7.0	59	8	20	4.5	8.5
*** 10	42	6	15	5.0	9.0	38	8	14	5.5	9.0	32	8	9	10.0	15.0	38	8	8	7.5	11.0	44	8	12	6.0	9.0	44	6	18	4.5	8.5
*** 20	28	5	4	2.5	7.0	26	6	2	2.5	4.5	26	6	4	4.0	7.0	32	4	6	4.0	7.5	34	10	8	4.5	8.0	29	9	5	3.0	5.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

** No March or May data for log and voltage
*** No March data for log and voltage

USCOMM-NBS-BL

RN-14

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Ibadan, Nigeria Lat. 7.4 N Long. 3.9 E Season Summer(*** July ***) 1960

Frequency (Mc)	TIME BLOCKS (LST) 0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
** 2.5	52	8	10			42	16	12			27					32	17	6			58	8	19			54	12	14		
** 5	27	8	12			45	10	11			28					34	11	12			54	8	10			50	12	10		
** 10	33	6	14			33	5	16			24					33	6	9			45	4	5			35	8	10		
** 20	25	0	4			25	5	3			24					31	6	4			31	4	4			25	4	2		

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-BL

RN-14

** Only 13 day's data for July

***

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Kekaha, Hawaii Lat. 22.0N Long. 159.7W Season Winter (Dec Jan Feb) 19.62-63

	TIME BLOCKS (LST)																										
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	153	4	4	11.5	17.5	155	4	4	11.0	17.5	149	6	4	13.5	20.0	151	4	6	15.5	23.0	149	6	4	14.0	21.0	153	4	4	11.0	17.5
.051	131	6	4	11.0	17.5	131	4	6	11.5	19.0	115	12	12	15.0	22.0	115	12	12	15.5	23.0	117	14	14	14.5	21.0	127	8	8	13.0	19.5
.160	109	6	6	10.0	17.5	103	10	14	11.0	18.5	87	14	16	13.0	20.5	87	16	16	13.0	21.5	91	18	14	13.5	22.0	105	10	12	12.0	20.5
.495	87	12	6	10.5	18.5	83	12	20	10.5	18.0	57	24	6	7.0	11.0	57	27	6	6.0	10.0	71	22	16	10.0	16.0	87	12	10	11.5	20.5
2.5	62	8	6	7.5	13.0	62	8	6	8.0	13.0	38	12	10	5.0	8.0	32	10	6	3.0	5.0	48	14	18	7.0	12.0	60	8	8	8.5	15.0
5	56	6	6	5.0	9.0	52	8	4	6.5	10.5	34	16	12	7.0	10.5	26	16	6	6.0	10.5	46	10	14	8.0	13.0	52	6	6	7.0	12.0
10	36	6	4	4.0	6.0	32	6	2	3.0	5.0	36	6	10	7.5	11.5	32	10	10	7.5	11.5	38	6	6	6.0	10.0	38	6	4	5.0	7.5
20	22	0	2	2.0	3.5	22	2	2	1.5	3.5	22	4	2	3.0	5.0	22	4	2	3.5	5.5	22	2	2	2.0	4.0	22	0	2	2.0	3.5

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

** No December data for log and voltage.

USCOMM-NBS-BL

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station New Delhi, India Lat. 28.8 N Long. 77.3 E Season Fall (Sept Oct Nov) 1962

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
** .013	154	2	5	8.5	13.5	152	4	4	10.5	15.0	148	5	4	12.0	17.5	152	4	5	11.0	16.5	153	7	4	8.5	13.0	154	4	5	7.5	11.0
** .051	132	6	6	9.5	14.5	126	8	8	11.0	16.0	118	10	8	13.5	20.5	124	16	14	11.0	17.0	124	14	10	10.5	17.0	130	8	6	8.5	13.5
** 160	112	4	10	9.5	14.5	102	12	16	11.5	16.5	92	20	8	10.5	16.0	96	26	10	9.5	16.0	106	14	14	9.5	15.5	112	8	8	8.0	13.0
** .495	89	10	8	8.0	13.0	79	16	10	6.5	9.5	73	18	6	3.5	5.5	73	30	4	6.5	12.0	85	16	12	7.0	12.5	89	12	10	8.0	12.0
*** 2.5	60	10	8	5.5	8.0	54	12	8	6.5	9.5	46	6	6	3.0	5.0	48	12	6	5.5	8.0	56	12	10	4.5	8.0	60	10	8	6.0	9.0
*** 5	55	4	6	4.0	6.0	49	6	6	4.0	6.5	39	9	8	6.0	8.0	39	12	8	6.0	8.5	51	10	9	5.5	8.0	53	6	6	5.0	7.0
*** 10	40	6	6	3.0	5.5	40	5	6	3.0	5.0	38	6	6	3.5	5.5	40	6	8	3.5	6.0	46	6	6	4.5	6.5	42	6	6	4.5	6.5
*** 20	25	4	2	2.5	3.0	25	4	2	2.0	4.0	25	4	2	2.0	3.5	29	4	4	3.0	5.0	27	6	2	3.5	4.5	25	4	2	1.5	3.0

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

** No November data for log and voltage

*** No October or November data for log and voltage

USCOMM-NBS-BL

RN-14

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station New Delhi, India Lat. 28.8 N Long. 77.3 E Season Winter (Dec Jan Feb) 19 62-63

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	154	2	2	6.5	9.0	154	2	4	7.0	9.5	150	2	4	7.0	9.0	150	4	4	7.0	9.0	152	4	2	6.0	8.0	154	4	2	6.0	8.5
.051	128	6	4	9.0	12.0	126	4	8	8.5	11.5	114	7	6	5.0	7.5	114	8	6	5.0	7.5	120	10	8	6.0	9.0	128	4	4	7.5	10.5
.160	104	9	5	8.5	12.5	99	10	10	9.0	12.5	90	13	11	10.0	14.5	89	12	11	7.5	11.5	101	12	12	8.5	13.0	108	7	9	7.5	12.0
.495	81	12	8	6.5	9.5	75	10	10	5.5	7.0	67	11	6	4.0	5.0	67	6	6	3.0	4.5	75	18	8	5.5	8.0	81	12	6	6.0	9.0
2.5	57	8	6	5.5	8.0	55	9	6	4.5	7.0	45	4	6	3.0	4.5	43	6	4	3.0	4.5	52	14	8	5.0	7.5	55	12	4	5.0	7.5
5	53	6	6	4.5	7.0	49	8	6	3.5	5.5	37	9	8	3.0	4.5	35	6	6	6.0	7.0	49	10	8	4.5	7.5	51	6	4	5.0	7.5
10	35	4	6	3.0	4.5	33	6	4	2.0	3.5	35	6	6	3.5	4.0	37	8	8	6.0	8.5	41	6	6	4.5	7.0	37	6	6	4.0	6.0
20	25	4	2	2.0	3.0	27	2	4	2.0	3.0	27	2	4	2.5	4.0	27	4	4	3.5	4.5	25	4	2	2.0	3.5	25	4	2	2.0	3.0

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-BL

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Ohira, Japan Lat. 35.6 N Long. 140.5 E Season Winter (Dec Jan Feb) 19 62-63

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	149	6	2	8.5	13.0	149	4	4	9.0	13.0	149	4	6	10.5	15.5	149	4	4	9.5	14.0	149	6	2	8.5	12.5	151	4	4	8.5	13.0
.051	127	8	4	11.0	18.0	125	6	14	12.5	18.5	109	18	6	13.5	18.0	111	14	6	11.0	15.0	123	10	12	11.5	15.5	127	6	4	10.0	16.0
.160	109	8	6	10.0	16.5	101	12	20	12.5	19.5	87	20	12	15.5	>22.0	85	20	10	12.5	17.0	101	14	14	12.5	18.0	107	10	6	10.5	16.5
.495	87	12	4	9.5	16.5	77	16	16	11.5	18.0	65	20	8	6.5	10.5	65	22	6	8.5	14.5	84	12	13	9.0	14.5	89	9	6	9.0	14.5
2.5	61	8	6	7.0	11.0	57	10	10	10.0	14.5	41	8	2	7.5	10.5	41	8	4	7.5	10.5	57	10	14	7.5	11.0	61	8	6	6.0	10.0
5	58	14	6	5.5	10.0	64	8	10	8.5	13.0	42	12	6	7.0	10.0	40	14	6	7.5	11.5	64	8	8	6.5	11.5	62	12	10	5.5	9.5
10	30	4	2	2.0	4.0	32	7	4	3.0	5.0	34	6	4	4.5	7.0	34	8	4	6.0	8.5	38	4	4	3.0	6.0	32	8	4	2.0	4.0
20	24	0	0	1.0	2.5	24	2	0	1.5	3.0	26	2	2	2.0	3.5	26	2	2	1.5	3.5	24	2	0	1.5	3.0	24	0	2	1.0	2.5

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

RN-14

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Correction for

Station Pretoria, S. Africa Lat. 25.8 S Long. 28.3 E Season _____ (_____ _____ _____) 19___

		TIME BLOCKS (LST)																									
		0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
	Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
Winter 1961-62	013	159					156					154					162					166					162				
Summer 1962	013	158					157					152					156					158					159				

It has been found that an error occurred in the 13 kc/s calibration factors from December 1961 through November 1962. The 13 kc/s values of F_{am} given on RN-13 for December 1961 should be increased by 5 db; for January 1962 the values should be increased by 3 db, and for July 1962 the values should be increased by 10 db. Both the month hour values and seasonal values of F_{am} for 13 kc/s for February, March, April, May, June, August, September, October, and November 1962 should be increased by 20 db.

The Winter 1961-62 and Summer 1962 13 kc/s values should be corrected to the above tabulations.

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-BL

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Pretoria, S. Africa Lat. 25.8 S Long. 28.3 E Season Summer(Dec Jan Feb) 19 62-63

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	159	8	6			157	4	8			154	7	8			163	6	6			164	7	7			161	8	6		
.051	134	12	6			126	12	8			122	16	8			138	12	10			144	8	12			140	8	8		
.160	111	13	8			97	18	22			87	30	12			115	14	20			121	10	14			117	10	10		
.495	95	14	12			69	24	16			59	28	6			88	19	25			95	20	20			99	10	10		
2.5	72	8	8			62	12	16			46	6	6			52	26	10			72	12	18			76	6	8		
5	60	7	4			56	8	14			42	8	10			50	14	13			66	10	10			66	8	7		
10	40	8	6			37	8	6			32	9	7			42	8	9			50	7	7			45	7	6		
20	20	6	2			22	4	4			24	4	6			28	8	6			30	10	8			22	8	4		

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-BL

RN-14

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Rabat, Morocco Lat. 33.9 N Long. 6.8 W Season Fall (Sept *** ***) 19 62

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	160	6	6			156	14	16			152	8	10			156	12	8			158	12	4			158	8	10		
.051	130	8	12			124	8	8			116	10	8			126	8	17			132	10	10			132	8	12		
.160	115	10	6			97	19	14			89	12	11			105	14	21			113	12	26			115	8	8		
.495	89	10	10			68	21	15			61	14	8			68	32	13			86	20	24			91	10	8		
2.5	65	8	12			57	12	14			39	12	6			43	8	10			57	16	14			69	8	16		
5	59	8	12			53	8	11			31	12	6			35	14	14			55	10	14			59	8	12		
10	43	10	17			41	6	17			41	6	13			39	9	15			47	10	9			47	10	16		
20	26	2	4			26	4	4			28	11	4			28	6	6			32	4	4			26	4	4		

F_{am} = median value af effective antenna naise in db abave ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratia of median ta lower decile in db
V_{dm} = median deviatian af average voltage in db below mean pawer
L_{dm} = median deviatian of average logarithm in db below mean power

*** No October or November data

USCOMM-NBS-BL

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Singapore, Malaya Lat. 1.3 N Long. 103.8 E Season Winter (Dec. Jan. Feb.) 19 62-63

	TIME BLOCKS (LST)																										
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	158	6	2	9.5	15.0	158	4	6	10.5	17.0	154	6	4	12.5	19.0	158	4	6	10.5	17.0	158	4	6	10.5	17.0	158	4	2	9.0	14.0
.051	136	6	4	10.0	16.0	132	8	10	12.0	19.5	124	6	10	14.0	22.5	128	10	8	12.0	19.0	134	6	9	12.0	20.5	136	6	6	11.0	18.5
.160	117	6	8	11.0	18.0	107	14	18	15.0	23.5	93	10	14	13.5	22.0	99	17	12	13.0	21.5	111	8	10	10.5	19.0	115	8	6	10.5	18.5
** .495	92	10	8	9.0	15.5	82	16	12	9.0	15.5	76	10	12	4.0	7.5	80	10	14	9.5	18.0	88	8	12	8.5	15.0	92	8	6	8.5	16.0
2.5	64	6	6	8.0	14.0	58	10	16	9.5	15.0	30	10	4	8.0	12.0	32	14	6	8.5	12.5	56	9	16	8.0	13.5	62	6	6	7.5	12.5
5	57	6	6	6.0	9.5	53	6	10	6.5	11.0	33	8	7	10.0	14.0	35	14	8	9.0	13.5	57	6	14	6.5	11.5	59	4	6	6.0	9.5
10	38	6	6	5.0	7.5	36	6	4	4.0	6.5	32	6	4	6.5	10.0	36	6	8	7.0	11.0	46	4	4	5.0	8.5	46	6	4	5.5	8.5
20	23	2	4	2.0	3.5	25	0	4	2.0	3.5	23	2	2	2.5	4.0	25	4	2	3.5	6.0	25	4	2	3.5	6.0	25	4	2	3.0	5.0

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

** On January 3, 1963, 545 kc was changed to 495 kc.

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Warrensburg, Mo. Lat. 38.7 N Long. 93.8 W Season Fall (Sept Oct Nov) 19 62

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	156	22	9			154	24	10			150	24	10			154	22	14			156	22	16			156	13	12		
.051	136	10	16			132	10	14			126	10	10			126	14	10			132	10	14			134	12	12		
.160	109	16	14			103	18	16			99	17	14			101	18	14			103	18	14			107	15	12		
.495	94	10	16			88	12	18			70	20	2			72	24	4			82	14	12			92	9	10		

F_{am} = median value af effective antenna noise in db above ktb

D_u = ratia of upper decile to median in db

D_ℓ = ratia of median to lawer decile in db

V_{dm} = median deviation of average valtage in db belaw mean power

L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-BL

RN-14

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Warrensburg, Mo. Lat. 38.7 N Long. 93.8 W Season Winter (Dec Jan Feb) 1962-63

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	150	5	8			150	4	6			144	8	4			146	6	6			144	8	6			148	4	8		
.051	125	8	6			123	8	8			117	8	4			115	8	2			119	8	6			123	8	8		
.160	99	12	8			93	13	6			90	13	3			93	8	6			95	10	8			97	12	8		
.495	82	15	7			75	16	6			71					70	3	1			75	12	6			81	12	8		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-BL

RN-14


DEPARTMENT OF COMMERCE
UNITED STATES OF AMERICA