PB 151377-12

NBS

Technical Note No. 18-12

Boulder Laboratories

QUARTERLY RADIO NOISE DATA
SEPTEMBER, OCTOBER, NOVEMBER 1961

BY

W. Q. CRICHLOW, R. T. DISNEY

AND M. A. JENKINS

U. S. DEPARTMENT OF COMMERCE
NATIONAL BUREAU OF STANDARDS

THE NATIONAL BUREAU OF STANDARDS

Functions and Activities

The functions of the National Bureau of Standards are set forth in the Act of Congress, March 3, 1901, as amended by Congress in Public Law 619, 1950. These include the development and maintenance of the national standards of measurement and the provision of means and methods for making measurements consistent with these standards; the determination of physical constants and properties of materials; the development of methods and instruments for testing materials, devices, and structures; advisory services to government agencies on scientific and technical problems; invention and development of devices to serve special needs of the Government; and the development of standard practices, codes, and specifications. The work includes basic and applied research, development, engineering, instrumentation, testing, evaluation, calibration services, and various consultation and information services. Research projects are also performed for other government agencies when the work relates to and supplements the basic program of the Bureau or when the Bureau's unique competence is required. The scope of activities is suggested by the listing of divisions and sections on the inside of the back cover.

Publications

The results of the Bureau's research are published either in the Bureau's own series of publications or in the journals of professional and scientific societies. The Bureau itself publishes three periodicals available from the Government Printing Office: The Journal of Research, published in four separate sections, presents complete scientific and technical papers; the Technical News Bulletin presents summary and preliminary reports on work in progress; and Basic Radio Propagation Predictions provides data for determining the best frequencies to use for radio communications throughout the world. There are also five series of nonperiodical publications: Monographs, Applied Mathematics Series, Handbooks, Miscellaneous Publications, and Technical Notes.

A complete listing of the Bureau's publications can be found in National Bureau of Standards Circular 460, Publications of the National Bureau of Standards, 1901 to June 1947 ($1.25), and the Supplement to National Bureau of Standards Circular 460, July 1947 to June 1957 ($1.50), and Miscellaneous Publication 240, July 1957 to June 1960 (Includes Titles of Papers Published in Outside Journals 1950 to 1959) ($2.25), available from the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

NATIONAL BUREAU OF STANDARDS

Technical Note

No. 18-12

February 23, 1962

QUARTERLY RADIO NOISE DATA
SEPTEMBER, OCTOBER, NOVEMBER 1961

by

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

DISTRIBUTED BY

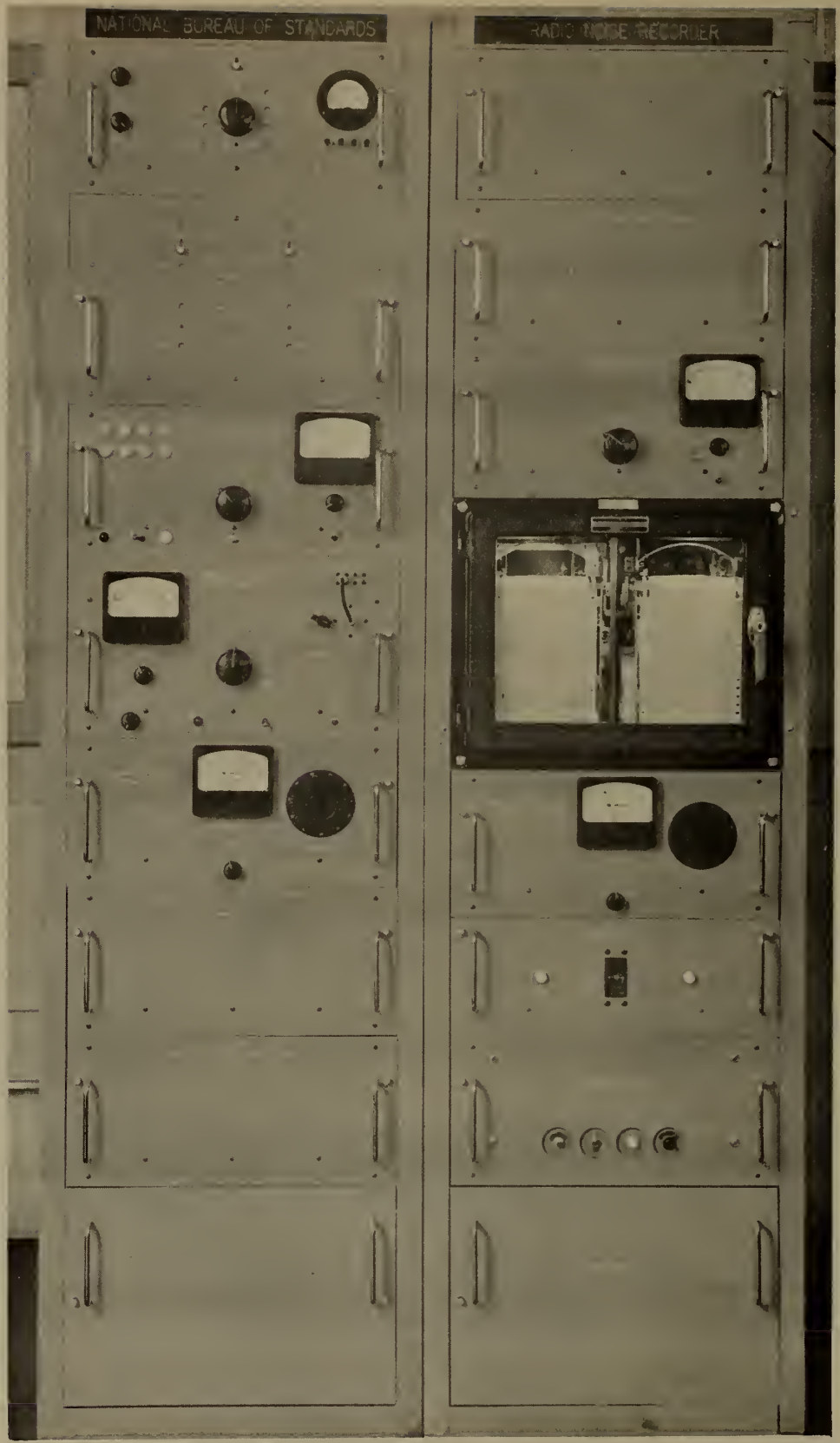
UNITED STATES DEPARTMENT OF COMMERCE

OFFICE OF TECHNICAL SERVICES

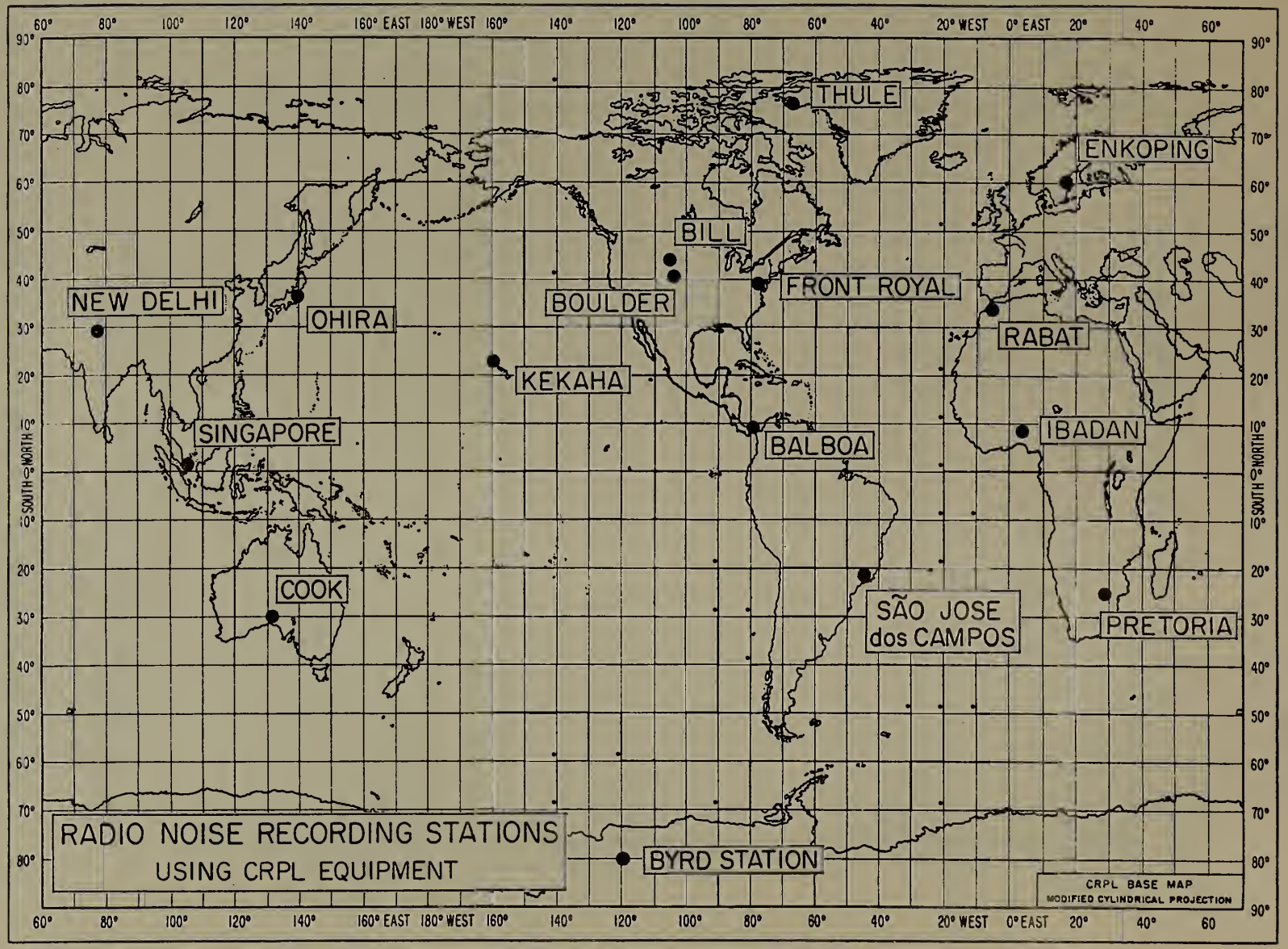
WASHINGTON 25, D. C.

Price $1.00

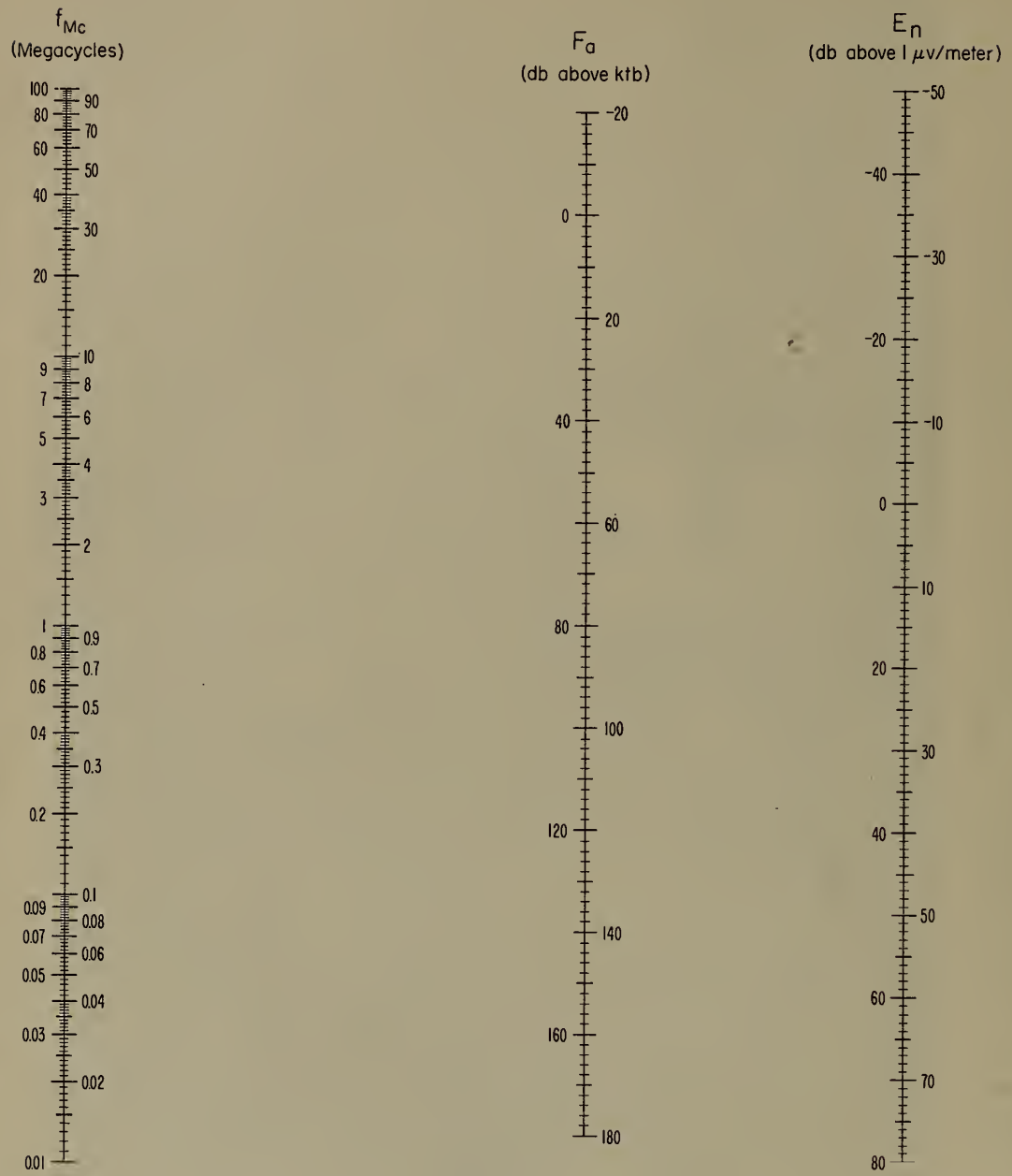
Radio Noise Recording Station



ARN-2 Atmospheric Radio Noise Recorder


THULE
ENKOPING
BILL
FRONT ROYAL
NEW DELHI
OHIRA
BOULDER
RABAT
KEKAHA
SINGAPORE
IBADAN
BALBOA
COOK
SÃO JOSE
dos CAMPOS
PRETORIA
BYRD STATION
RADIO NOISE RECORDING STATIONS
USING CRPL EQUIPMENT
CRPL BASE MAP
MODIFIED CYLINDRICAL PROJECTION
60° 80° 100° 120° 140° 160° EAST 180° WEST 160° 140° 120° 100° 80° 60° 40° 20° WEST 0° EAST 20° 40° 60°
90° 80° 70° 60° 50° 40° 30° 20° 10° SOUTH 0° NORTH 10° 20° 30° 40° 50° 60° 70° 80° 90°

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.

Radio Noise Data for the Season

September, October, November 1961

Radio noise measurements are being made at sixteen stations in a world-wide network supervised by the National Bureau of Standards (see map). The results of these measurements for the period September, October, November 1961 are presented in the attached tables. These are based on three parameters of the noise: (1) the mean power, (2) the mean envelope voltage, and (3) the mean logarithm of the envelope voltage. The mean power averaged over a period of several minutes is the basic parameter and is expressed as an effective antenna noise figure, F_a. F_a is defined as the noise power available from an equivalent lossless antenna in db above ktb (the thermal noise power available from a passive resistance) where

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

t = Absolute room temperature (taken as 288° K)

b = Bandwidth in cycles per second.

The mean voltage and mean logarithm are expressed as deviations, V_d and L_d, respectively, in db below the mean power.

Measurements of these parameters 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 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. 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.

Time-block median values of noise are tabulated on a seasonal basis, and are obtained by averaging all month-hour medians for the season within a particular four-hour period of the day. The time-block values conform to the seasonal-time-block values used in C.C.I.R. Report No. 65 (see attached references).

F_a in db is related to the rms field strength at the antenna by the following equation:

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

where

E_n = the equivalent vertically polarized ground wave rms noise field strength in db above 1 μv/meter for a 1 kc bandwidth.

f_{Mc} = the frequency in megacycles/second.

The nomogram given may be used for this conversion.

The values presented in the tables reflect the actual measured radio noise; in some instances the atmospheric noise level may be contaminated by man-made noise or station interference. 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 [10], 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 by the method in reference 10, 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 a 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).

These preliminary data values are presented in order to expedite dissemination of the data. Additional analyses, in which an attempt is made to eliminate contaminated data, are presented in other publications.

Stations in the recording network were operated by the following agencies:

NBS - Bill, Wyoming; Boulder, Colorado; Byrd Station; Front Royal, Virginia; Kekaha, Hawaii

Signal Corps, U. S. Army - Balboa, C. Z.; Thule, Greenland

Postmaster General's Department (Australia) - Cook

Board of Telecommunications (Sweden) - Enkoping

DSIR (Great Britain) and University College Department of Physics (Nigeria) - Ibadan

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

Radio Research Laboratories (Japan) - Ohira

Telecommunications Research Laboratory (South Africa) - Pretoria

Institut Scientifique Chérifien (Morocco) - Rabat

Instituto Tecnologico de Aeronautica (Brazil) - São José dos Campos

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

The assistance of the station operators and other personnel of these agencies in obtaining the data contained in this report is gratefully acknowledged.

The following publications contain additional information on radio noise:

1. W. Q. Crichlow, 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.

2. "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).

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

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

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

6. F. F. Fulton, Jr., "The Effect of Receiver Bandwidth on Amplitude Distribution of V. L. F. Atmospheric Noise," National Bureau of Standards, VLF Symposium Paper 37, Boulder, Colorado, 1957.

7. H. E. Dinger, "Report on URSI Commission IV - Radio Noise of Terrestrial Origin," Proc. IRE, 46,7, 1366 (1958).

8. A. D. Watt, 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).

9. W. L. Taylor and A. G. Jean, "Very-Low-Frequency Radiation Spectra of Lightning Discharges," NBS J. of Research-D. Radio Propagation, 63D,2, 199 (1959).

10. W. Q. Crichlow, C. J. Roubique, A. D. Spaulding, and W. M. Beery, "Determination of the Amplitude-Probability Distribution of Atmospheric Radio Noise from Statistical Moments," NBS J. Research-D. Radio Propagation, 64D,1, 49 (1960).

11. Tatsuzo Obayashi, "Measured Frequency Spectra of Very-Low-Frequency Atmospherics," NBS J. of Research-D. Radio Propagation, 64D,1, 41 (1960).

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	Sept Oct Nov 1961	75 W	+05
Bill	Aug Sept Oct 1961	105 W	+07
Boulder	Sept Oct Nov 1961	105 W	+07
Byrd Station	Sept Oct Nov 1961	120 W	+08
Cook	Sept Oct Nov 1961	135 E	-09
Enkoping	Sept Oct Nov 1961	15 E	-01
Front Royal	Sept Oct Nov 1961	75 W	+05
Ibadan	Sept Oct 1959	GMT	0
Kekaha	Sept Oct Nov 1961	150 W	+10
New Delhi	Feb Mar April 1961 May 1961	75 E	-05
Ohira	Sept Oct Nov 1961	135 E	-09
Pretoria	Sept Oct Nov 1961	30 E	-02
Rabat	Sept Oct Nov 1961	GMT	0
São José dos Campos	Sept Oct Nov 1961	45 W	+03
Singapore	Sept Oct Nov 1961	105 E	-07

Previous data from the NBS 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

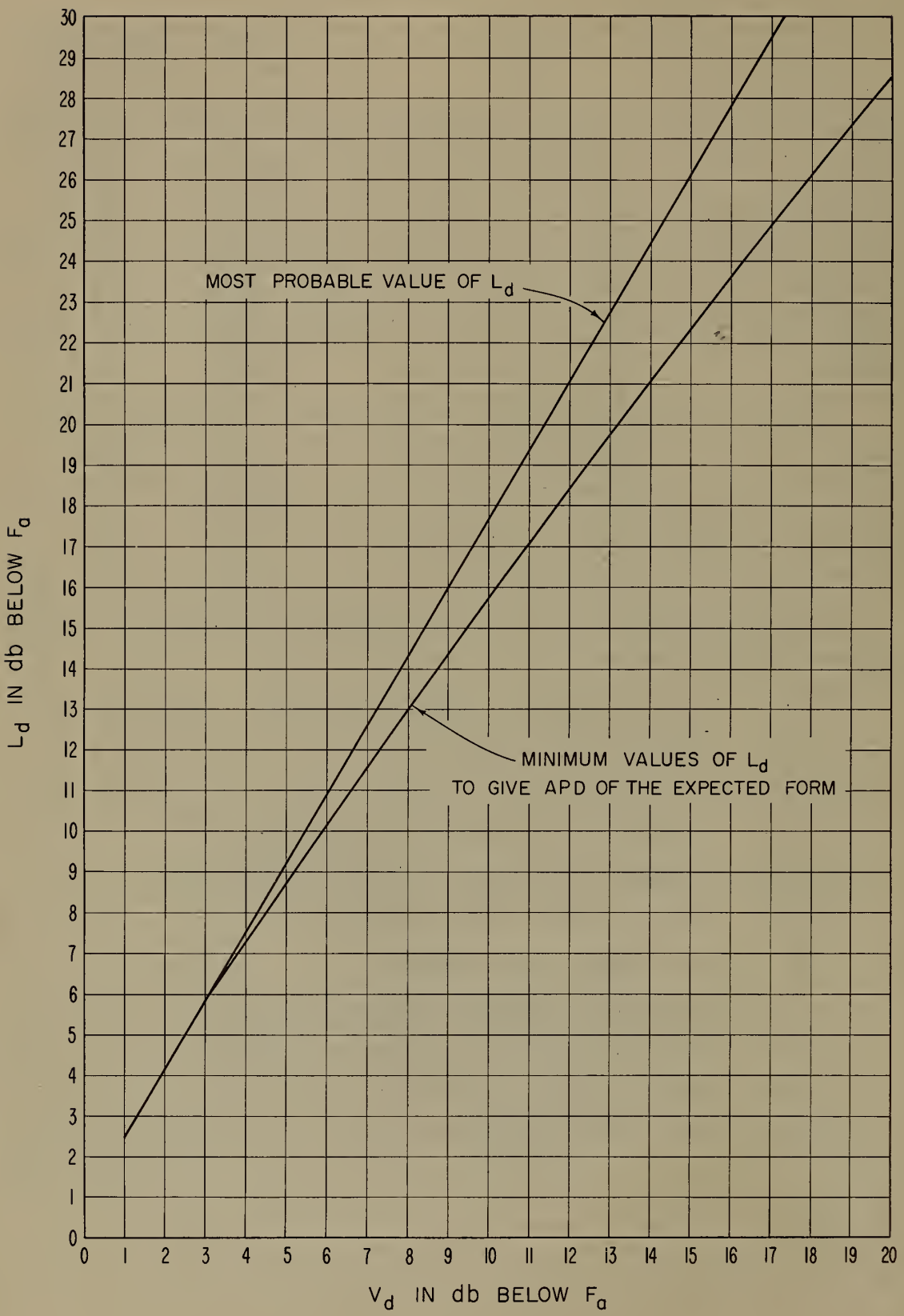
18-8 September, October, November 1960

18-9 December, January, February 1960-61

18-10 March, April, May 1961

18-11 June, July, August 1961

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. 9.0 N Long. 79.5 W Month September 1961

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	166	4	4	11.0	16.0	147	4	4	9.0	13.0	128	5	2	6.0	11.0	104	7	4	5.0	8.5	73	4	2	4.5	7.5	65	2	4	*4.0	*6.0	48	6	6	*5.5	*7.5	24	8	2	*2.0	*3.5
01	166	6	4	11.0	16.5	149	2	8	10.0	14.0	128	6	4	6.5	12.5	102	8	4	6.5	10.5	73	4	4	5.0	8.0	65	2	4	*4.5	*7.0	48	2	5	*5.0	*8.0	24	4	4	2.5	3.0
02	167	5	7	12.5	17.5	149	4	6	10.5	10.0	128	8	4	8.0	13.0	102	8	4	7.5	11.5	73	6	2	4.5	8.0	63	4	2	4.0	6.0	44	6	5	*5.5	*8.0	24	2	2	2.0	2.5
03	167	5	3	12.5	17.5	149	4	8	10.5	15.0	128	8	4	8.5	13.5	104	7	6	8.5	13.0	75	4	4	*3.5	*8.0	63	4	2	4.0	6.5	42	8	6	*4.0	*6.0	22	8	0	*2.0	*2.5
04	168	6	6	12.0	17.5	149	6	6	10.0	14.5	130	6	6	8.0	12.0	104	8	8	8.0	14.0	75	4	2	5.0	8.0	63	2	4	4.5	7.0	41	5	5	*4.0	*5.5	24	8	4	1.5	2.5
05	170	4	6	13.0	18.0	149	6	6	10.5	15.5	130	6	6	10.5	16.0	104	8	13	*8.5	14.0	75	4	2	5.0	8.0	63	0	4	*3.0	*5.5	40	6	4	*4.5	*6.5	24	4	4	2.5	4.0
06	168	6	6	13.0	18.5	147	9	10	13.0	18.5	130	6	16	11.0	18.0	102	12	20	10.0	15.5	69	4	6	7.5	11.0	61	2	4	*3.5	*5.0	44	4	2	*5.0	*8.0	26	6	4	*2.5	*3.5
07	168	6	8	14.0	19.0	149	6	14	13.0	19.0	130	6	21	*13.0	*18.5	100	8	20	*13.5	*19.5	64	9	17	*7.5	*12.0	55	6	8	8.0	11.5	42	7	4	*5.0	*8.0	26	3	4	*2.5	*4.0
08	167	7	8	14.0	19.0	147	8	15	12.5	20.0	128	10	14	14.0	20.5	102	5	12	*11.5	*19.0	59	10	15	*4.5	*8.0	49	11	10	*8.5	*13.0	38	9	4	*7.0	*8.0	26	8	3	*6.5	*9.0
09	164	9	4	13.0	19.0	145	10	9	13.5	18.5	126	10	12	14.0	21.0	99	11	24	*9.5	*17.0	57	18	14	*5.0	*7.0	47	12	9	*9.5	*13.0	38	7	9	*9.0	*11.5	26	4	4	*4.5	*7.0
10	164	10	6	15.0	20.0	143	12	12	13.5	19.5	127	9	25	13.0	19.0	102	12	20	12.0	19.0	56	16	14	*8.0	*11.0	44	12	8	*9.5	*13.0	38	8	6	*7.0	*9.5	26	9	4	*3.0	*4.0
11	166	6	6	13.5	19.5	145	8	13	13.5	19.5	129	7	12	13.0	20.0	96	14	16	*12.5	*20.0	58	17	15	*6.0	*8.0	45	18	10	*9.0	*12.0	37	7	5	*8.0	*11.0	28	6	6	3.5	6.0
12	166	6	6	15.0	19.0	147	6	10	13.0	19.0	130	8	11	14.0	21.0	106	12	20	12.5	21.0	61	20	20	*11.5	*15.0	52	15	13	*11.0	*16.0	38	13	5	*8.5	*10.5	30	10	9	*4.0	*6.0
13	170	5	8	13.0	19.0	151	5	13	14.0	19.0	135	7	17	13.0	19.0	112	8	14	*12.0	*21.0	62	25	18	10.0	15.5	53	20	13	*10.0	*16.0	48	6	12	*6.5	*9.0	36	8	10	5.0	6.5
14	168	10	4	11.0	15.0	151	6	8	11.0	17.0	134	6	12	9.5	17.0	108	10	12	11.0	18.0	72	15	17	*10.5	*17.0	61	14	18	*7.0	*11.5	48	6	10	*6.5	*10.0	34	6	6	*5.0	*6.5
15	170	5	5	10.0	14.0	149	5	7	11.0	16.5	130	8	10	12.0	19.0	104	13	8	12.0	18.5	66	15	13	*8.5	*13.0	55	12	12	7.5	11.0	44	10	4	5.5	9.0	34	4	4	3.0	5.5
16	168	7	4	9.0	12.5	147	7	9	9.5	14.0	127	8	9	11.5	17.0	98	12	10	*11.0	*15.5	61	18	14	9.0	14.0	55	6	8	*6.5	*10.0	48	5	7	*3.5	*6.0	32	6	4	2.5	4.0
17	166	7	4	7.5	11.5	143	8	6	8.5	13.0	122	13	7	12.0	17.0	94	13	9	*11.0	*15.5	59	18	10	*7.0	*10.0	57	8	4	*5.0	*7.5	50	4	6	*3.0	*5.5	32	2	2	*3.0	*5.0
18	164	4	4	9.0	13.0	141	8	4	9.0	14.0	122	8	6	7.5	12.0	100	7	4	5.0	8.5	65	8	6	*4.5	*7.5	63	4	2	*4.0	*8.0	52	2	4	3.0	6.0	30	4	2	4.0	6.0
19	164	6	4	9.0	13.5	143	6	4	8.0	12.5	126	2	3	6.0	9.5	102	4	3	5.0	8.0	71	6	4	5.0	8.0	65	4	2	*4.0	*5.5	52	0	4	*4.0	*6.5	28	2	4	*3.5	*4.5
20	166	4	6	9.0	13.5	145	4	4	8.0	12.0	126	4	6	5.0	9.0	102	4	4	5.0	8.5	73	2	4	4.5	7.5	67	2	4	*4.0	*6.5	50	2	2	4.0	6.0	24	4	2	2.0	3.5
21	164	6	4	10.0	14.5	145	6	4	9.0	13.0	126	4	4	6.5	11.0	102	5	4	5.0	8.0	73	2	6	4.5	7.5	65	4	2	*4.0	*7.0	50	2	8	*3.5	*7.0	26	2	4	2.5	3.5
22	164	6	2	9.0	14.0	147	4	5	8.0	13.0	128	3	5	7.0	10.0	102	4	2	4.0	7.5	71	4	4	3.0	6.5	65	2	4	*3.0	*5.0	48	7	4	*4.0	*6.5	24	6	2	*2.0	*4.0
23	166	4	6	10.0	15.5	145	5	2	10.0	14.5	128	2	4	8.0	12.0	102	4	2	5.0	8.0	71	6	2	*5.0	*7.5	65	2	4	3.0	6.0	48	14	5	*2.5	*5.5	24	4	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

MONTH-HOUR VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0 N Long. 79.5 W Month October 1961

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	164	5	6	12.5	18.5	146	3	8	9.5	16.0	124	4	4	8.0	13.0	100	6	4	5.0	8.0	71	4	16	6.0	10.0	63	4	6	4.5	7.5	42	8	4	4.5	5.5	23	4	2	2.0	3.5
01	164	5	6	12.0	18.0	146	4	7	9.5	14.5	124	5	4	8.0	11.5	100	7	3	5.0	9.0	71	6	16	5.5	10.0	63	4	6	4.0	8.0	44	3	10	3.5	6.5	23	4	2	2.0	3.0
02	164	7	4	12.0	18.0	144	8	4	10.5	17.0	124	5	4	8.5	14.0	101	7	4	6.5	11.0	71	7	4	5.0	9.0	61	6	15	4.0	6.5	42	4	11	4.0	6.5	23	5	2	2.0	4.0
03	164	6	6	13.0	19.0	146	4	7	11.5	17.0	124	8	4	8.5	14.0	100	10	6	7.0	12.0	71	8	6	6.0	10.0	59	4	13	4.0	7.0	40	5	8	3.0	5.0	23	5	2	2.0	3.5
04	163	9	4	12.0	18.0	144	10	7	11.0	17.5	126	6	8	9.0	14.5	100	9	6	8.5	16.0	71	6	6	5.0	9.5	58	5	11	4.5	6.0	36	7	6	2.0	4.0	23	5	2	2.5	4.0
05	164	9	7	13.5	19.5	144	9	8	12.0	18.0	124	8	12	13.0	22.0	97	14	15	12.5	20.5	71	7	4	6.5	11.0	59	4	4	5.5	8.0	36	6	4	3.5	6.0	23	6	2	2.0	4.0
06	164	9	6	13.0	19.0	142	12	14	16.0	22.0	118	14	13	14.0	22.0	88	22	24	12.5	20.5	64	9	12	9.0	15.0	59	4	10	4.5	7.5	44	4	6	4.0	6.0	25	5	2	2.5	4.0
07	162	8	4	12.5	19.0	140	12	16	13.0	21.0	120	12	22	14.5	22.0	89	19	19	13.5	21.0	55	10	10	10.5	16.5	49	9	4	9.0	13.0	42	6	4	5.0	8.0	27	2	2	2.5	4.5
08	162	10	6	14.5	20.0	140	11	12	13.0	20.0	122	9	23	12.5	19.0	83	15	15	9.5	18.0	57	12	4	3.0	7.0	45	10	8	8.0	13.0	38	6	2	6.5	9.0	27	4	4	3.0	4.5
09	162	7	9	13.0	19.0	142	8	12	14.0	24.0	121	9	19	13.0	21.5	80	25	14	12.5	21.5	55	16	10	3.0	6.0	41	10	8	7.5	12.5	36	5	3	8.0	11.5	27	2	2	3.5	6.0
10	160	8	4	13.5	19.0	138	12	12	15.5	23.5	118	12	22	12.0	19.5	84	21	18	13.5	21.0	50	11	5	3.5	8.0	39	9	7	7.0	11.5	34	6	4	9.5	14.0	27	6	2	5.0	7.0
11	162	6	6	12.5	18.5	142	7	12	11.0	14.0	120	8	20	14.5	21.0	86	17	18			55	6	9	4.0	9.0	39	7	9	7.0	10.0	34	4	4	9.5	13.0	29	2	2	4.0	6.0
12	164	6	4	11.5	15.0	141	13	7	12.0	17.5	122	14	21	14.0	22.0	90	23	20	16.0	25.5	59	5	16	5.0	10.0	41	12	10			36	13	3	8.5	12.0	31	4	4	3.5	5.5
13	166	8	6	9.0	14.0	145	12	9	9.0	14.5	128	11	18	12.0	19.0	102	17	25	17.0	23.0	59	19	12	4.5	9.5	43	32	7	12.0	16.0	40	9	4	7.0	16.5	35	6	6	4.0	5.0
14	168	10	6	9.0	13.5	145	16	9	10.0	15.0	129	12	19	11.0	19.0	105	17	26	12.0	18.0	64	15	13	6.0	10.0	49	26	10			42	10	4	7.0	11.0	33	8	3	5.5	6.0
15	166	10	2	9.5	15.0	144	14	4	12.5	18.0	126	12	16	15.5	23.5	96	12	12	11.5	19.0	61	25	12	6.0	11.0	50	20	8	7.5	12.0	44	6	4	7.0	10.0	33	2	2	3.5	6.0
16	166	6	4	11.0	16.0	142	8	6	11.5	17.0	120	11	10	14.0	22.0	92	12	11	10.5	22.0	57	11	11	6.0	10.0	51	10	8	7.0	10.0	46	4	4	4.5	7.5	32	3	2	4.0	5.5
17	164	7	4	11.0	16.0	140	8	4	10.5	16.5	116	11	7	12.0	18.0	88	16	6	9.0	15.0	57	12	9	7.0	13.5	57	5	10	6.0	9.0	46	2	4	3.5	7.0	31	4	4	3.5	5.0
18	162	8	4	12.0	17.0	140	10	4	11.0	17.0	119	7	5	9.0	15.0	98	10	5	5.0	9.0	65	4	6	6.0	10.0	63	6	4	4.0	6.0	50	3	8	4.5	7.5	29	5	2	3.0	5.0
19	163	6	4	13.0	18.5	142	4	4	9.5	15.0	120	5	4	8.0	13.5	98	5	2	5.0	8.5	69	4	11	6.0	10.0	60	4	2	3.0	5.0	46	4	5	4.0	7.0	27	4	2	3.0	4.5
20	164	5	6	12.5	18.5	142	4	4	10.0	15.5	120	6	2	8.5	14.0	98	4	4	6.0	9.0	69	4	15	5.5	9.5	63	4	3	3.5	6.0	44	4	4	5.0	8.0	25	4	2	3.0	4.0
21	162	6	5	12.0	18.0	142	6	6	10.0	16.0	122	5	4	8.0	13.0	100	4	4	6.0	9.5	69	4	6	4.5	7.5	63	2	2	4.5	8.0	42	6	4	4.0	7.5	25	3	2	2.5	3.5
22	164	5	6	12.5	18.5	144	6	6	11.5	16.5	124	4	5	8.0	13.0	100	4	2	6.0	10.0	71	2	18	6.0	11.0	63	2	8	5.0	8.0	42	6	4	3.0	6.0	23	6	2	2.0	3.5
23	164	4	7	11.0	18.0	144	5	5	9.0	15.0	124	4	3	7.5	13.0	101	5	5	5.0	10.0	71	5	16	6.0	9.5	61	4	4	4.0	7.0	44	6	5	4.5	7.5	23	4	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

15-CO46-NBS-FL

MONTH-HOUR VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0 N Long. 79.5 W Month November 1961

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	158	4	21	*12.0	+16.5	136	6	12	*12.5	+17.0	118	6	18	9.0	16.5	95	6	14	6.0	11.5	67	6	10	7.0	12.0	59	3	12	4.5	7.5	38	4	6	*4.0	+6.5	20	2	0	1.5	2.0
01	158	2	20	*12.0	+16.0	135	7	16	12.5	18.0	118	8	19	9.0	16.0	95	9	9	7.0	12.0	67	7	15	*7.0	+11.5	59	4	13	4.5	8.0	38	2	6	*4.0	+7.0	20	2	0	1.5	2.0
02	156	6	20	*11.0	+16.0	133	9	11	*11.0	+16.0	118	6	8	10.0	16.5	95	6	15	7.5	11.0	67	4	19	*6.0	+11.0	57	4	12	5.5	9.0	38	3	6	*4.0	+5.5	20	2	0	1.5	2.5
03	157	3	22	*10.0	+14.0	133	10	18	*11.0	+15.5	118	6	10	10.0	17.5	95	6	15	8.0	9.5	68	6	14	*7.0	+11.5	57	4	10	6.5	9.0	36	4	6	*2.0	+3.5	20	2	0	1.5	2.0
04	156	6	19	*12.0	+16.5	133	11	11	*11.5	+17.5	117	7	12	12.0	18.5	93	7	14	9.0	19.0	67	7	13	6.0	11.0	57	2	13	6.0	9.0	33	8	5	*3.0	+4.5	20	2	0	1.5	2.5
05	156	6	11	12.5	16.5	132	11	17	*9.5	+15.0	112	10	22	12.0	19.0	86	10	21	12.0	20.5	67	4	21	*6.5	+13.5	55	4	14	6.0	9.0	36	3	6	*4.5	+6.5	20	2	0	1.5	2.5
06	157	4	13	*11.0	+16.0	127	13	11	*13.5	+18.0	108	11	27	16.0	24.0	70	26	7	15.0	22.5	57	8	12	*7.5	+13.0	55	5	14	6.0	8.5	*43			*3.5	+6.0	22	2	0	*2.0	+3.5
07	156	4	22	*13.0	+18.0	121	23	14	*16.0	+20.0	94	24	16	13.0	17.0	72	21	12	15.0	22.0	49	8	10	*9.0	+14.0	41	9	2	8.0	12.5	42	3	6	*3.0	+6.0	26	3	6	*2.0	+4.0
08	154	6	7	*13.5	+18.0	122	19	16	*16.5	+21.5	97	24	26	17.5	26.0	79	13	19			51	9	7	*3.0	+6.0	39	7	5	8.0	14.0	36	11	4	*5.0	+8.0	24	4	2	4.0	6.0
09	154	7	11	11.5	16.0	121	20	8	*15.5	+22.0	97	22	19	15.0	22.0	70	14	7	1.5	4.0	53	8	10	*3.0	+6.5	37	7	10	5.0	8.5	33	8	5	*5.5	+11.0	26	3	6	*3.5	+5.0
10	154	4	4	*10.0	+14.5	121	8	12	*15.0	+19.5	97	20	17			72	13	9			53	8	11	*3.0	+6.0	34	7	5	11.0	15.0	30	4	5	*7.5	+11.0	24	6	2	*4.0	+5.5
11	154	6	4	*8.0	+13.0	124	5	12	*13.0	+18.0	98	17	17	15.0	21.0	73	22	8	19.0	26.5	47	11	5	*2.5	+5.0	31	6	6	6.0	11.0	30	3	4	7.0	11.5	26	2	4	4.5	6.5
12	158	3	3	*9.0	+14.0	127	6	14	*10.0	+16.0	103	12	20	15.0	20.5	79	16	13			49	9	7	*5.0	+8.0	33	4	8	4.5	8.0	32	5	2	*8.0	+12.0	28	4	4	4.0	6.0
13	160	4	4	*7.5	+12.0	133	8	7	*12.0	+16.0	112	12	23			85	20	15	16.5	24.5	55	6	10	4.0	9.0	36	8	5	10.0	15.5	36	8	5	8.0	13.0	29	7	4	3.5	5.0
14	162	4	7	*10.0	+14.5	139	4	12	*12.5	+17.5	112	16	20	16.0	24.0	93	19	18	15.0	24.5	57	14	6	*4.0	+7.5	45	8	11	12.0	17.0	38	4	4	*6.0	+9.0	28	8	2	4.0	6.0
15	163	3	18	11.0	15.0	135	12	11	*10.0	+14.0	116	10	23	12.0	23.0	83	18	10	16.0	23.0	59	20	10	*5.0	+8.0	47	11	9	6.5	10.0	40	6	6	*4.0	+7.5	30	5	2	*4.0	+6.5
16	162	4	20	10.0	14.5	137	5	19	*10.5	+15.0	112	12	23	17.5	26.0	83	18	15	14.5	24.0	58	11	13	*3.0	+7.0	49	7	6	6.0	10.0	44	4	8	4.0	7.0	30	2	4	3.0	5.5
17	160	2	6	*11.0	+17.0	135	6	15	*12.5	+18.0	112	11	23	16.0	25.0	85	16	12	8.0	10.0	61	5	11	*5.0	+9.0	56	8	11	6.0	10.0	*48			*4.0	+6.5	27	5	2	3.5	5.0
18	157	5	20	13.5	17.5	131	8	11	11.0	16.5	111	9	12	12.0	18.5	93	4	12	6.0	11.0	63	7	11	6.5	11.0	63	4	4	4.0	8.0	46	2	8	4.5	8.0	26	5	4	3.0	4.0
19	158	4	17	14.0	17.5	135	6	16	*9.0	+14.0	116	6	14	8.0	14.0	95	5	20	5.0	9.0	65	6	15	5.5	9.5	61	4	15	4.0	6.0	40	6	7	*4.0	+6.0	24	2	2	2.5	4.0
20	156	6	18	*14.0	+20.0	133	7	15	*9.0	+15.0	114	8	14	7.0	12.0	93	6	12	5.0	8.5	67	6	8	4.5	8.0	61	5	2	5.0	9.0	48	4	2	*6.0	+8.0	22	4	2	2.0	2.5
21	157	5	23	12.0	18.0	133	9	19	*9.0	+16.0	116	8	15	9.0	14.5	93	8	10	6.0	10.0	67	6	6	5.5	8.5	61	2	15	5.0	8.5	48	2	5	*4.0	+5.0	22	2	2	2.0	3.5
22	156	6	19	13.5	19.0	131	12	13	9.5	16.5	118	6	19	7.0	13.0	95	6	11	7.0	11.5	66	6	15	*6.0	+11.0	59	4	12	5.0	8.0	48	7	6	*4.0	+8.0	22	4	2	1.5	2.5
23	158	6	20	*11.5	+17.0	135	18	18	*13.5	+20.0	118	6	18	8.5	15.0	95	6	6	8.0	12.0	67	7	8	6.0	10.5	57	4	12	5.5	8.5	46	6	4	4.0	7.0	21	1	1	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-DC

MONTH-HOUR VALUES OF RADIO NOISE

Station Bill, Wyoming Lat. 43.2 N Long. 105.2 W Month August 19 61

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	164	2	4	11.5	17.5	140	4	4	9.0	15.0	118	6	4	8.5	14.0	99	4	6	8.5	13.5
01	162	4	2	11.5	18.0	140	4	4	9.5	15.0	116	8	4	9.5	14.5	97	6	2	8.5	13.0
02	162	4	2	12.0	18.0	140	4	4	10.5	16.5	118	4	6	9.0	15.5	95	6	2	9.0	15.0
03	162	2	4	11.0	17.5	138	4	4	11.0	17.0	114	6	2	10.5	15.5	93	8	4	9.0	14.0
04	160	4	2	12.5	19.0	136	6	4	13.0	18.0	114	4	8	11.5	18.5	87	6	8	10.5	17.5
05	160	4	2	12.0	18.0	134	4	4	13.5	19.5	104	10	15	14.5	20.5	75	11	13	11.0	19.0
06	160	2	4	13.0	19.0	132	4	6	14.5	21.0	102	12	14	16.0	23.5	72	13	9	13.0	20.0
07	160	2	4	14.0	19.5	130	4	4	14.0	20.5	95	19	11	15.0	21.0	70	15	9	11.5	16.0
08	158	4	2	13.5	19.0	128	8	4	13.5	20.5	92	14	12	14.0	20.0	70	11	7	8.0	12.5
09	159	3	5	14.5	19.5	130	6	8	14.0	20.5	96	8	12	14.0	19.0	75	6	14	11.5	14.5
10	160	2	4	13.0	19.0	132	4	4	12.5	19.0	100	14	10	11.5	21.5	75	17	10	9.0	14.0
11	160	4	2	11.0	17.5	134	4	2	13.0	17.5	108	8	8	13.0	21.0	81	13	8	11.0	18.0
12	164	4	2	11.0	16.5	138	5	2	11.0	16.0	114	6	10	12.0	19.0	87	12	10	13.0	20.5
13	166	4	2	9.5	15.0	141	3	5	10.0	15.0	118	8	10	10.0	17.0	91	11	10	11.0	19.5
14	166	4	2	9.0	14.5	142	8	4	8.5	14.0	121	9	13	10.0	16.5	97	12	14	12.0	19.0
15	168	2	4	8.5	14.0	144	6	4	8.0	12.5	122	8	6	13.0	17.0	95	18	14	14.0	21.0
16	168	4	4	8.5	13.0	142	8	4	6.0	10.5	120	15	10	12.0	18.5	93	24	12	11.0	19.0
17	168	4	4	9.0	14.0	142	12	4	7.5	12.5	122	18	12	9.0	15.5	95	24	18	9.0	18.0
18	166	6	4	9.0	14.5	142	14	6	9.0	14.0	122	13	15	10.5	17.0	93	18	17	10.0	17.0
19	166	4	4	10.5	16.5	140	6	4	8.5	13.5	122	8	10	6.0	10.5	97	8	12	7.0	12.0
20	166	2	4	10.0	16.5	142	6	6	9.0	13.5	122	8	8	6.5	12.0	97	12	8	7.0	13.5
21	164	4	2	11.0	17.0	142	6	4	8.5	13.5	118	10	4	7.0	12.0	97	8	6	6.5	11.5
22	164	2	2	11.5	18.0	140	6	4	9.0	14.5	118	8	4	7.5	12.5	97	6	6	6.0	11.0
23	164	2	4	11.5	18.0	140	6	4	9.0	14.0	118	8	4	8.5	14.0	97	4	4	8.0	13.0

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	70	6	2	5.5	9.5	64	2	2	5.0	8.5	45	6	4	6.5	9.0	25	6	2	7.0	12.0
01	70	6	4	5.0	9.0	62	2	2	6.0	8.5	45	4	4	5.5	8.5	25	4	2	7.5	10.0
02	70	4	4	5.5	9.5	60	4	0	5.5	8.5	45	4	6	7.0	10.0	23	8	0	5.0	7.5
03	70	4	4	6.0	10.0	62	2	4	5.0	8.0	43	6	6	6.5	9.5	23	6	0	7.0	10.0
04	68	4	4	8.0	12.0	60	2	4	7.0	10.0	43	2	6	6.5	10.0	23	8	2	5.5	7.5
05	58	6	7	9.5	14.0	56	4	8	6.5	9.5	43	4	2	5.5	7.5	23	6	2	5.0	8.0
06	44	10	8	8.0	11.5	48	6	8	9.0	13.0	41	6	2	5.5	9.0	25	4	4	6.0	10.0
07	36	12	8	8.0	11.5	40	10	6	8.5	10.0	41	4	6	6.0	9.5	25	6	2	5.5	8.0
08	30	10	4	5.0	8.0	34	6	6	8.0	9.5	37	8	4	6.0	9.5	25	8	4	6.0	8.0
09	28	10	4	6.0	8.5	30	6	4	6.0	8.0	37	6	8	7.0	10.0	25	6	4	4.0	6.0
10	30	6	8	5.0	7.0	30	8	6	7.5	11.0	35	10	6	6.5	9.5	25	6	4	4.0	5.0
11	30	8	8	5.5	7.5	32	12	6	9.0	12.5	37	8	4	6.5	9.0	25	8	4	4.5	6.0
12	36	15	10	8.5	11.0	35	11	4	8.0	12.5	40	5	5	6.0	9.0	27	6	6	5.5	6.5
13	39	13	9	11.5	15.0	40	8	6	8.0	12.0	43	4	6	6.0	9.0	29	4	8	4.0	6.5
14	47	21	11	10.5	15.0	45	10	7	6.5	10.0	45	2	4	5.0	7.0	29	8	8	5.0	7.0
15	52	18	16	9.5	14.5	48	10	6	6.0	9.5	47	2	4	4.0	6.5	29	6	8	4.5	6.5
16	52	20	14	10.0	12.5	52	10	6	6.0	10.0	49	4	4	4.0	6.5	31	8	8	4.5	8.0
17	54	27	14	8.0	11.0	56	11	6	5.0	8.0	51	2	4	4.0	6.0	31	11	7	4.5	7.0
18	60	16	12	7.0	10.0	62	12	6	4.0	6.5	53	2	4	4.0	6.5	30	5	5	4.5	6.5
19	68	6	10	5.0	8.0	64	4	2	4.0	7.0	53	2	2	4.5	7.0	29	4	4	5.0	8.0
20	72	4	6	4.5	8.0	66	2	2	4.5	7.5	53	2	6	4.5	7.0	27	8	4	7.0	10.5
21	72	6	4	5.0	8.5	66	2	4	5.0	8.0	51	2	7	5.0	8.0	25	6	2	6.0	9.0
22	72	2	4	5.0	9.0	64	4	2	5.0	7.5	49	2	6	5.0	8.0	25	8	2	5.5	10.0
23	70	4	2	5.5	8.5	64	4	4	5.0	8.0	49	2	8	5.5	8.5	25	7	2	6.0	10.0

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 Bill, Wyoming Lat. 43.2 N Long. 105.2 W Month September 1961

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	161	4	4	10.0	16.5	137	6	7	8.5	15.0	114	9	8	8.0	14.0	95	6	12	6.0	13.0	67	8	7	6.0	9.5	59	4	4	4.5	7.5	39	8	7	4.0	7.5	23	1	3	2.0	3.5
01	161	3	4	11.0	17.5	136	8	4	9.5	15.5	113	9	6	8.5	16.0	95	8	14	7.0	14.0	68	7	9	6.0	9.5	59	4	4	4.0	7.0	38	5	6	6.0	9.0	22	2	2	3.0	4.0
02	160	5	4	11.5	18.0	136	6	4	8.5	15.0	113	8	6	8.0	15.0	93	8	9	7.5	13.5	67	7	7	5.5	9.0	57	5	2	5.0	7.5	37	6	6	4.0	6.0	22	2	0	3.0	4.0
03	160	5	3	11.0	18.0	136	5	4	9.5	16.5	113	7	9	7.5	14.5	91	7	12	8.5	15.5	65	10	7	6.5	10.0	57	4	6	5.0	7.5	37	4	7	5.5	8.0	22	2	4	2.5	4.0
04	160	3	3	11.5	19.0	136	4	6	10.5	18.0	111	6	7	8.5	17.0	85	12	6	10.5	19.0	65	8	10	7.0	11.0	55	5	4	5.0	9.0	37	4	7	5.0	7.0	22	2	2	2.0	3.5
05	159	3	4	12.0	19.5	130	7	5	11.0	17.5	103	7	15	10.5	19.0	65	10	14	11.0	18.0	60	11	9	8.0	12.0	55	6	6	5.0	8.0	39	2	4	4.5	7.5	22	2	3	2.5	4.0
06	157	6	2	12.0	19.5	128	9	6	11.5	19.0	98	13	21	12.5	20.0	61	14	10	*10.0	+15.5	43	8	10	8.0	11.0	47	6	6	8.0	11.0	39	5	3	4.5	7.0	24	2	4	2.0	4.0
07	157	6	4	12.0	19.0	127	7	8	12.0	20.0	96	11	23	12.0	20.0	61	14	8	*8.0	+12.0	35	8	6	8.0	12.0	39	7	8	6.0	9.0	37	8	2	5.0	7.5	24	2	4	3.5	4.5
08	157	6	5	13.0	19.5	126	8	8	13.0	20.0	95	13	24	12.5	21.0	59	17	8	5.0	6.0	29	7	4	3.5	8.0	33	7	8	6.0	9.0	33	8	4	4.5	7.5	24	4	2	2.5	4.0
09	157	5	4	12.0	18.0	128	6	10	12.0	20.0	93	8	23	11.0	19.0	59	17	8	*8.5	+16.5	27	9	8	3.0	5.0	27	15	4	6.0	7.0	33	6	6	5.0	8.0	24	3	2	3.0	4.0
10	157	4	4	12.0	17.0	128	6	10	11.0	18.0	99	16	23	12.0	19.5	59	23	6	8.0	14.5	27	2	8	3.5	4.5	25	13	4	5.0	6.0	31	8	4	5.0	7.0	23	5	3	3.5	5.0
11	159	2	4	12.0	17.5	132	4	10	11.0	17.5	101	12	18	10.0	18.0	61	16	8	6.0	15.0	27	12	8	2.5	4.5	23	16	2	5.0	7.0	31	8	4	5.0	8.0	24	4	2	3.0	5.0
12	161	2	4	9.0	15.5	132	4	7	10.0	16.0	101	14	19	7.5	14.0	65	17	14	8.0	12.0	27	4	8	3.0	4.5	27	12	6	5.5	8.0	35	4	6	6.0	9.0	26	5	4	3.5	5.5
13	161	4	2	9.0	14.5	134	4	10	9.5	16.0	103	10	12	10.0	17.5	65	20	10	*6.0	*9.0	27	15	8	3.0	4.5	31	12	10	6.0	8.0	37	4	6	5.0	8.0	26	4	4	3.5	5.0
14	163	2	4	9.0	14.0	136	6	6	9.0	7.0	106	15	11	7.5	15.0	69	23	16	7.5	11.0	29	11	9	3.0	5.0	38	10	11	7.5	11.0	41	4	6	5.5	7.5	26	6	2	4.5	6.0
15	163	4	4	9.0	14.0	136	4	6	7.5	12.5	110	10	17	7.5	13.5	71	25	15	8.0	14.0	31	21	8	4.0	5.5	43	6	10	7.0	9.0	43	4	4	5.0	7.0	28	2	6	4.0	6.0
16	163	4	4	7.5	14.0	136	8	6	8.0	14.5	107	18	18	8.0	14.0	69	32	14	8.0	13.0	35	18	8	5.0	6.0	47	8	8	6.5	9.0	45	4	2	4.5	7.0	28	4	4	3.5	5.5
17	163	4	4	9.0	14.5	136	8	6	9.0	15.0	107	13	14	9.0	15.0	74	20	13	6.0	11.5	46	11	13	5.5	9.0	55	4	8	5.5	7.5	49	2	4	4.0	6.0	28	2	6	4.0	5.0
18	163	4	6	8.5	14.0	136	8	4	8.0	13.5	115	10	10	7.5	13.0	88	9	13	7.0	13.0	59	8	9	5.0	9.0	61	4	6	5.0	8.0	49	4	2	4.0	7.0	24	6	2	3.0	4.0
19	163	4	6	9.0	15.0	138	8	6	7.5	12.0	115	10	4	6.5	12.0	91	8	20	6.0	12.0	67	6	6	6.0	9.5	63	4	6	4.0	6.5	49	4	6	4.5	6.0	24	2	4	3.0	4.0
20	163	4	4	10.0	15.5	138	8	4	7.5	12.5	117	8	10	6.5	12.0	95	10	8	7.0	10.5	69	6	8	6.5	9.5	61	6	4	4.0	7.5	45	6	6	5.0	7.0	24	5	2	3.5	4.5
21	163	4	4	10.5	17.0	138	8	4	7.5	13.0	117	12	8	7.5	13.0	95	10	12	6.5	12.0	67	8	4	7.0	11.0	61	4	4	5.5	8.0	47	4	9	5.0	8.5	24	2	4	2.5	4.0
22	163	2	6	11.0	17.5	138	8	6	8.5	13.5	117	10	8	8.0	14.0	95	6	8	7.0	12.0	67	8	8	6.5	10.0	59	6	2	4.5	7.5	39	10	4	5.0	7.0	24	0	4	3.0	4.0
23	163	6	6	11.0	18.0	138	6	6	9.5	15.0	117	10	8	7.0	13.5	94	9	11	7.5	12.5	67	10	7	6.0	10.0	61	4	6	5.0	7.5	39	8	4	5.0	6.5	22	2	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

MONTH-HOUR VALUES OF RADIO NOISE

Station Bill, Wyoming Lat. 43.2 N Long. 105.2 W Month October 1961

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	157	6	5	*9.0	*14.5	133	6	8	*8.0	*14.5	109	9	5	*7.0	*13.0	85	10	13	*5.5	*10.0	58	11	4	5.0	11.0	54	6	5	4.5	7.5	35	5	6	2.0	4.0	20	4	6	2.0	3.0
01	157	6	7	*10.0	*16.0	131	8	7	*8.0	*14.0	108	12	9	*6.0	*12.5	87	9	18	*7.0	*12.0	59	10	8	4.5	9.0	54	6	9	4.0	7.0	33	12	4	2.0	3.5	20	4	5	2.0	3.5
02	157	6	6	*10.0	*17.0	131	5	6	*7.5	*13.0	108	9	7	*7.0	*12.5	85	8	17	*8.0	*15.0	56	12	4	6.0	10.0	53	6	3	4.5	7.5	35	4	6	3.0	6.5	20	4	6	2.0	3.0
03	155	7	5	*11.5	*18.0	130	7	7	*8.0	*14.0	107	7	8	*8.5	*15.5	82	8	15	*10.0	*17.0	57	9	6	6.5	9.5	53	6	5	5.0	8.5	34	6	5	4.0	6.5	19	5	4	2.0	3.5
04	155	8	6	*11.0	*18.0	128	9	8	*10.0	*17.0	106	7	11	*10.5	*18.0	70	21	7	*8.0	*15.0	56	10	6	7.0	11.5	54	4	5	6.0	11.0	34	6	5	3.5	5.5	19	5	4	2.5	3.5
05	153	8	5	*11.0	*17.5	124	10	7	*8.5	*14.5	98	12	8	*9.0	*16.5	61	12	12	*9.0	*13.5	54	9	8	6.5	12.0	51	5	7	6.0	9.0	36	5	4	3.5	6.0	18	6	2	2.5	3.5
06	151	9	4	*11.0	*17.0	123	8	8	*10.0	*16.0	88	18	11	*10.0	*16.0	54	8	5	*7.5	*3.5	44	12	8	*4.5	*7.0	45	7	12	6.0	8.0	40	5	8	3.5	7.0	22	4	7	2.0	3.0
07	151	9	4	*12.5	*18.0	120	11	12	*8.0	*14.5	85	21	19	*13.5	*18.5	51	6	2	*2.0	*3.0	35	8	6	3.5	5.0	39	5	15	4.5	6.5	41	4	10	4.0	6.5	21	7	5	2.5	4.0
08	151	8	4	*10.5	*18.0	118	9	14	*11.5	*18.0	80	20	19	*8.0	*18.0	53	8	4	*1.5	*3.0	30	5	7	3.0	4.5	33	5	13	3.5	4.5	34	16	7	*3.0	*4.0	22	6	6	*2.5	*4.5
09	150	9	3	*11.0	*17.0	120	18	16	*12.0	*17.0	78	36	12	*7.5	*10.0	52	5	3	*1.0	*2.5	28	4	6	3.0	4.5	29	16	10	3.5	5.0	33	12	6	*2.5	*4.0	22	6	7	*2.5	*3.5
10	153	6	8	*9.5	*15.5	116	19	11	*8.0	*13.5	*82			*6.5	*9.0	53	8	4	*1.5	*3.0	28	2	8	2.5	4.0	27	18	10	3.5	4.5	33	11	6	*3.0	*4.5	23	7	7	*3.0	*4.0
11	154	5	7	*9.0	*14.0	119	13	16	*8.5	*14.0	*88			*8.5	*14.0	57	8	8	*2.0	*4.0	26	6	6	2.0	4.0	27	17	8	*3.0	*5.0	33	12	6	*2.5	*4.0	24	6	8	*3.0	*4.0
12	154	7	5	*8.0	*13.0	*118			*9.0	*14.5	*93			*5.0	*7.0	57	8	8	*1.0	*4.5	26	4	6	3.0	4.5	26	12	7	4.0	5.0	35	10	6	*3.5	*5.0	26	8	8	*2.5	*4.0
13	152	9	3	*9.0	*14.0	122	14	16	*9.5	*15.0	88	29	26	*12.0	*16.0	53	14	4	*1.0	*3.0	28	4	4	3.0	3.5	29	16	8	*5.0	*7.5	37	10	6	*3.0	*6.0	26	7	8	2.0	4.0
14	153	8	6	*8.0	*13.0	114	21	16	*10.0	*16.0	*90			*10.5	*14.0	53	8	4	*2.0	*3.0	30	4	4	2.5	4.0	31	13	9	5.0	8.0	39	8	8	3.0	6.0	24	10	8	2.5	3.5
15	151	8	4	10.0	16.0	119	11	11	10.0	16.5	87	19	24	*7.0	*13.0	54	6	5	*2.0	*3.5	28	11	2	2.5	4.0	33	9	8	4.0	6.5	41	6	12	3.5	6.0	22	10	6	3.0	4.5
16	151	9	7	11.5	17.5	120	11	9	9.5	14.5	87	21	16	7.5	15.0	55	14	6	*3.0	*5.0	34	13	6	3.0	5.0	33	6	14	3.5	6.0	45	5	8	3.5	6.0	22	8	6	3.0	4.0
17	153	6	7	11.0	17.5	122	9	10	8.0	13.0	95	15	5	7.5	*13.0	64	16	13	5.0	8.5	46	8	12	4.0	7.5	51	5	7	4.5	7.0	46	4	6	3.5	6.0	22	4	8	2.0	3.0
18	153	6	4	10.0	16.5	127	10	5	8.5	14.0	106	9	10	*6.5	*13.0	71	18	11	6.0	10.0	54	10	4	5.0	8.5	53	6	6	4.0	7.0	45	5	9	3.0	5.5	20	5	6	2.0	3.0
19	153	7	5	11.5	17.5	127	10	3	*8.5	*14.0	104	10	6	6.0	11.0	79	14	15	7.5	12.5	58	6	4	4.5	8.5	53	6	6	3.5	6.0	43	4	8	2.5	5.0	22	3	7	2.0	3.0
20	153	8	3	11.0	17.5	130	9	5	8.5	15.0	108	11	7	7.5	12.0	83	10	17	5.0	10.0	60	5	8	5.0	9.0	55	5	7	4.0	8.0	39	5	7	*3.5	*5.5	20	4	6	2.0	3.0
21	153	9	4	11.0	16.5	129	12	3	8.0	15.0	108	11	5	7.0	12.0	85	10	16	5.5	10.5	60	9	6	5.0	8.0	53	6	4	4.0	7.0	37	6	5	4.0	6.5	22	2	6	1.0	2.5
22	155	10	4	*11.0	*17.0	130	9	5	9.0	15.5	109	9	6	7.5	13.0	85	16	12	*6.0	*11.0	60	10	6	4.0	8.5	55	4	5	4.0	7.5	35	7	4	3.5	5.5	20	4	5	1.5	2.5
23	157	7	5	10.5	17.0	130	8	4	8.0	14.5	110	12	6	6.5	12.0	87	14	15	*6.5	*11.5	60	10	5	6.0	10.0	52	8	3	4.5	7.5	35	6	4	2.5	5.0	20	4	5	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-DC

MONTH-HOUR VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1 N Long. 105.1 W Month September 19 61

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	9	4	11.5	18.5	136	7	4	10.0	16.0	112	10	4	7.0	12.0	97	8	4	7.5	14.0	71	6	8	*4.0	*8.0	60	9	5	*4.0	*8.5	41	12	5	*5.0	*7.0	22	2	2	*1.0	*2.5
01	160	6	4	12.0	18.5	136	8	4	9.5	16.5	112	8	4	7.0	14.0	97	8	6	7.0	14.0	71	6	10	*5.0	*10.5	62	4	6	5.0	9.0	41	4	6	*4.5	*8.0	22	2	2	1.0	3.0
02	160	6	4	11.5	18.0	134	7	2	9.5	16.5	112	8	4	8.0	14.0	95	8	6	7.5	14.0	72	5	11	*5.5	*10.0	60	7	4	4.5	8.5	41	4	6	*3.5	*5.0	22	2	2	*2.0	*3.0
03	159	7	3	11.5	18.0	135	7	4	11.0	17.0	113	5	5	8.0	15.0	93	8	6	10.0	16.5	71	4	10	*6.0	*12.0	60	6	4	*4.0	*8.5	41	4	4	*5.0	*7.0	22	2	2	1.5	3.0
04	158	6	2	12.0	18.5	134	6	5	12.0	19.0	110	7	7	10.0	17.5	89	10	4	9.5	17.5	69	6	6	*5.0	*12.0	58	6	6	*5.5	*9.0	43	7	9	*2.5	*4.5	22	2	2	1.5	3.0
05	158	4	4	12.0	19.0	128	11	4	12.0	19.0	98	16	16	12.0	20.0	65	19	4	12.0	18.0	55	8	6	*9.0	*14.5	56	6	4	*5.5	*9.0	45	2	8	*4.5	*8.5	22	4	2	2.0	3.5
06	158	6	2	12.5	19.0	128	7	7	13.0	20.5	89	23	15	12.0	20.0	63	17	2	5.5	9.0	47	6	4	*3.0	*5.5	50	6	6	*4.5	*7.0	43	7	6	*4.0	*7.0	24	13	2	3.0	4.5
07	158	6	4	14.0	21.0	126	8	7	13.5	21.0	94	14	21	12.5	21.0	65	12	5	5.5	7.5	45	4	4	*3.0	*5.5	46	2	4	6.0	6.0	39	10	4	*3.0	*6.5	24	4	2	2.0	4.0
08	156	7	3	13.0	20.0	126	6	11	13.0	20.5	92	20	20	14.5	23.0	64	21	3	3.5	6.0	43	4	4	*2.5	*5.0	*38			*4.0	*6.5	*39			*5.0	*10.0	*24			*2.5	*3.5
09	158	2	3	14.0	20.5	*126			15.0	22.5	88	22	10	12.0	21.5	63	2.5	3	10.0	17.0	*45			*2.5	*4.0	*40			*7.5	*3.5	*36			*3.5	*6.0	*24			*2.5	*4.5
10	158	4	4	11.5	18.5	128	8	10	12.5	20.0	92	23	12	12.5	20.0	65	22	4	7.0	10.0	*45			*3.0	*4.5	*40			*2.5	*4.5	35	8	6	5.0	8.5	24	12	2	*3.0	*5.5
11	162	2	6	12.5	18.5	130	7	9	13.0	19.5	94	22	10	14.0	21.0	66	20	7	7.5	12.0	45	4	6	*2.0	*3.5	42	2	10	*2.5	*4.5	39	6	10	5.0	7.0	26	12	4	*2.0	*4.0
12	162	4	6	10.5	16.5	134	4	8	10.0	16.0	98	15	6	10.0	17.0	69	16	8	7.0	10.0	45	4	9	*3.5	*5.0	38	6	8	*2.5	*4.5	41	4	9	5.5	8.5	26	6	3	*3.0	*4.5
13	164	4	4	11.0	17.0	136	2	6	9.0	15.0	102	11	10	9.5	15.5	70	9	7	6.0	10.5	45	2	7	*2.0	*4.5	40	5	8	*2.5	*4.5	43	5	6	*4.0	*8.0	30	7	6	*2.5	*4.5
14	164	4	4	9.5	16.0	136	5	6	9.0	14.5	96	14	3	8.5	14.5	88	22	15	11.0	17.5	45	4	6	*2.0	*4.0	42	4	10	*3.0	*5.5	45	4	4	*4.0	*7.0	30	4	6	*4.0	*7.0
15	164	4	4	9.0	15.0	138	2	8	8.5	14.5	106	18	12	8.5	15.0	77	16	16	9.5	15.0	47	2	6	*3.5	*6.0	46	4	6	*3.0	*5.0	47	6	7	*3.5	7.0	30	5	6	*2.5	*4.5
16	164	4	6	9.0	15.0	136	8	4	8.0	13.0	110	17	16	8.5	15.0	77	20	16	7.0	12.0	47	9	5	*3.0	*5.0	52	4	6	*4.0	*6.0	49	5	5	*3.0	*6.0	30	9	5	*3.0	*5.0
17	164	2	4	9.5	15.5	138	5	8	8.5	14.5	111	9	19	9.5	16.5	79	38	10	8.5	15.0	53	7	9	*2.0	*4.0	58	4	4	*2.5	*5.5	51	2	4	*3.5	*6.0	30	8	5	3.0	4.5
18	163	3	5	10.0	16.0	136	9	4	9.0	14.5	112	16	8	8.0	13.5	89	12	12	7.0	12.0	65	6	9	3.5	6.5	64	2	2	3.5	6.5	53	4	2	*3.0	*7.5	24	13	2	*4.0	*4.5
19	164	4	6	10.0	16.0	138	6	6	9.0	14.0	114	9	6	5.5	10.0	95	6	4	6.5	10.0	71	4	5	4.0	8.0	62	6	3	4.0	8.0	51	7	2	*4.0	*6.5	24	5	3	2.0	3.5
20	162	4	2	8.5	14.5	138	5	4	8.0	13.0	112	12	3	6.5	10.5	97	6	6	6.5	11.5	71	6	5	4.0	9.0	63	5	3	*3.0	*6.5	51	3	6	*3.5	*7.5	24	2	4	*1.5	*3.0
21	162	4	4	9.0	15.0	136	6	2	8.5	14.0	111	14	4	6.5	11.0	97	8	6	7.0	13.0	71	6	6	5.0	9.5	62	5	3	*4.5	*8.0	51	4	9	*4.5	*7.0	24	2	4	*2.0	*3.5
22	162	6	6	10.5	17.0	136	7	6	9.0	13.5	114	9	6	6.5	12.0	97	8	6	7.0	13.0	70	8	6	5.0	11.0	61	7	6	*4.0	*8.0	46	9	15	*5.0	*8.0	22	3	2	*2.5	*3.0
23	162	4	6	12.0	18.5	138	4	7	10.0	15.0	112	8	4	7.5	12.0	96	9	5	6.5	12.5	69	8	5	*5.5	*10.5	62	5	8	4.0	7.5	43	13	8	*5.0	*7.5	22	2	1	*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-DL

MONTH-HOUR VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1 N Long. 105.1 W Month October 19 61

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	156	4	3	11.0	17.5	123			7.0	14.0	103			6.5	12.5	85			5.5	10.0	57	16	2	4.0	7.0	56	2	6	3.5	6.5	39	13	4	3.0	5.5	21	2	0	2.0	3.0
01	157	4	4	11.0	17.5	125			9.0	15.5	103			7.5	14.5	85			6.0	11.5	59	11	5	4.0	7.0	56	4	4	4.5	7.5	39	10	4	3.5	5.5	23	0	2	2.0	3.0
02	157	4	2	12.0	18.5	127			10.0	16.5	107			9.5	18.5	86			5.0	10.5	59	8	6	4.5	7.5	56	2	4	4.0	6.0	40	8	5	3.5	6.0	21	2	0	2.0	3.0
03	155	6	3	11.5	18.0	124			11.0	19.0	103			10.5	17.0	81			8.0	14.0	59	8	6	*4.0	*6.0	56	4	4	4.0	7.0	41	7	8	4.0	7.0	21	2	0	1.5	2.5
04	155	6	4	11.5	18.5	123			10.5	18.0	96			10.0	16.5	75			7.5	13.0	57	8	4	4.0	7.5	54	4	2	4.5	7.0	41	8	8	3.5	6.5	23	0	2	2.0	3.0
05	155	4	6	12.0	19.0	116			11.0	18.0	87			3.5	7.0	65			2.5	5.0	55	8	4	4.0	6.0	54	4	6	4.0	8.0	43	4	4	3.0	5.0	23	0	2	2.0	3.0
06	153	4	3	13.0	19.0	116			9.5	17.0	73			5.0	8.0	63			2.0	4.0	49	7	2	3.0	5.0	49	5	7	*3.0	*6.0	43	6	4	3.0	6.0	25	2	2	2.5	4.0
07	151	6	3	12.5	18.5	111			13.0	19.0	69			3.0	5.5	61			3.0	5.0	45	6	2	2.0	3.5	42	6	4	2.5	4.0	40	4	2	2.5	5.0	25	5	3	*2.0	*4.0
08	151	6	4	13.0	18.5	108			9.0	15.5	73			4.5	7.0	61			2.5	4.5	45	8	0	1.5	3.0	40	6	3	2.5	4.0	37	6	3	3.0	4.5	26	6	2	*2.0	*3.5
09	151	4	2	13.5	20.0	106			6.5	12.5	71			3.0	6.0	62			2.0	4.0	47	4	2	1.5	3.5	41	2	3	2.0	4.0	33	11	0	*5.0	*7.5	*26			*3.0	*4.0
10	153	6	2	12.5	19.0	111			14.0	20.0	77			3.0	6.0	61			4.5	4.5	47	2	2	*1.0	*2.5	42	2	4	*2.0	*4.0	33	6	2	2.5	4.5	25	2	2	1.5	3.0
11	153	6	2	12.0	18.0	113			13.0	20.5	72			2.5	5.5	63			4.0	6.5	47	3	2	1.0	2.5	42	2	3	1.0	3.5	34	10	3	2.5	4.0	27	2	4	2.0	4.0
12	153	4	4	10.5	17.0	109			12.5	18.5	75			8.0	12.0	62					49	2	4	2.0	3.5	42	2	2	2.0	3.5	35	6	4	3.0	5.0	27	2	4	2.5	4.5
13	153	6	2	9.5	15.0	113			11.5	18.0	74			7.0	13.0	63			2.5	5.0	47	4	2	2.0	3.5	43	1	5	2.0	3.5	39	5	3	3.0	6.0	29	7	4	3.0	4.5
14	153	8	2	9.0	15.0	113			10.0	19.0	77			6.0	13.5	63			1.0	4.0	47	4	2	1.5	3.0	44	3	6	2.0	3.5	43	4	5	3.0	4.5	29	6	4	3.0	5.0
15	153	6	3	9.5	16.5	113			10.5	19.0	75			2.0	5.5	63			3.0	6.0	49	2	3	2.0	3.0	44	2	4	2.5	4.0	45	3	2	3.0	6.0	29	5	2	3.0	4.5
16	153	4	4	12.0	19.0	113			12.0	18.0	75			7.0	13.0	65			2.5	5.0	49	3	4	2.0	4.0	46	4	3	3.0	4.5	49	2	4	3.5	6.5	29	6	5	2.5	5.0
17	155	2	6	11.5	18.0	115			9.5	16.5	97			8.5	15.0	73			5.0	9.0	51	7	2	1.5	3.0	52	5	5	3.0	5.5	50	3	4	3.0	6.0	25	5	2	3.0	5.0
18	155	4	5	11.0	18.5	124			8.5	16.0	101			8.0	16.0	81			6.5	12.0	57	9	2	4.0	7.0	53	5	5	3.5	6.0	49	2	10	3.0	7.0	23	2	0	1.5	2.5
19	156	6	6	11.5	18.5	125			9.5	16.5	100			8.0	14.5	83			6.0	11.5	61	8	6	3.0	6.0	54	6	2	3.0	6.0	47	4	7	4.0	6.0	23	2	0	1.5	3.0
20	157	5	4	10.0	17.0	125			6.0	12.5	103			8.0	14.0	87			6.5	12.0	61	7	4	3.5	7.0	53	7	4	3.5	7.0	44	7	7	*3.5	6.5	23	2	0	1.5	3.0
21	157	4	4	11.0	18.0	125			9.0	15.5	104			8.0	14.0	87			7.5	14.0	61	8	4	4.0	7.0	56	5	6	4.5	7.0	41	10	4	3.5	7.0	23	2	0	2.0	3.0
22	157	4	4	11.0	17.5	125			10.5	17.0	105			7.0	13.0	89			5.0	9.5	59	10	2	4.0	7.0	56	2	5	4.0	6.5	41	9	6	4.0	7.0	23	3	2	2.0	3.5
23	157	2	4	11.0	17.5	128			7.5	15.0	104			7.5	13.5	88			6.5	11.5	61	10	6	3.0	7.0	54	4	2	4.0	6.0	41	10	4	5.0	7.0	23	2	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

MONTH-HOUR VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1 N Long. 105.1 W Month November 19 61

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	152	4	2	9.5	15.5	121	15	3	10.0	16.0	97	17	4	7.5	12.5	81	17	5	5.0	10.0
01	152	5	2	10.0	16.5	123	13	6	9.5	14.0	97	15	4	7.5	12.0	81	15	5	5.0	9.5
02	152	4	2	9.5	16.0	123	13	4	8.0	14.0	97	16	8	9.0	14.5	79	14	6	7.0	12.0
03	152	3	3	11.0	18.0	123	11	5	10.0	16.0	94	17	9	9.0	15.0	75	14	6	6.0	10.0
04	152	2	4	11.0	17.5	121	11	4	10.5	17.0	87	22	6	7.5	12.0	75	14	8	5.0	9.0
05	150	4	2	11.5	18.0	119	8	2	10.5	17.0	83	23	6	6.5	10.5	70	8	7	5.5	8.0
06	150	2	4	11.5	18.0	119	5	4	10.5	17.5	79	16	7	7.0	10.0	65	5	3	2.5	4.5
07	150	2	4	11.5	18.0	113	10	3	11.0	17.5	73	21	6	3.0	5.5	65	4	2	3.0	5.0
08	146	5	2	11.0	17.0	107	15	4	11.0	17.0	75	17	10	3.0	5.0	63	5	2	2.0	4.0
09	146	4	2	11.0	16.5	103	17	8	10.5	15.5	74	21	10	3.5	6.0	65	3	5	2.5	5.0
10	146	4	2	9.0	15.0	105	14	9	9.0	15.0	76	18	10	3.5	6.0	65	5	4	2.5	4.5
11	148	4	2	9.0	14.5	105	16	7	9.0	13.5	74	15	9	4.0	7.0	65	6	4	2.0	4.0
12	148	5	2	8.5	14.0	105	13	6	9.0	14.5	77	12	8	3.5	6.0	65	4	4	3.0	4.0
13	148	6	2	9.0	14.0	107	12	10	9.0	16.0	75	14	6	3.0	5.5	67	4	6	2.5	5.0
14	148	5	3	9.0	14.5	105	12	6	12.5	17.5	77	13	8	4.0	6.0	65	6	2	3.0	5.0
15	146	7	3	11.0	17.0	109	14	8	12.0	17.5	79	16	9	3.5	6.0	67	4	4	3.0	5.0
16	146	5	4	11.5	17.5	112	13	5	9.5	16.0	85	16	8	6.0	9.5	71	12	8	2.5	5.0
17	150	4	4	11.0	17.0	117	12	5	10.0	15.5	90	18	6	8.0	13.0	75	14	6	4.5	8.0
18	150	7	5	12.0	18.5	119	12	4	10.5	17.5	93	18	8	9.0	14.5	77	14	6	5.0	9.0
19	150	8	4	12.0	19.0	121	12	6	11.0	18.5	93	16	6	9.0	14.5	77	18	2	4.5	9.0
20	150	7	4	12.0	19.5	121	12	6	11.0	18.0	93	17	4	10.0	14.5	79	14	4	6.0	10.0
21	150	6	2	11.0	17.0	121	11	4	11.5	17.5	95	17	5	8.0	14.0	82	13	5	6.0	10.0
22	150	6	2	10.5	16.0	121	14	4	10.5	17.5	95	20	6	7.5	13.0	81	19	4	6.0	10.0
23	152	2	4	9.0	15.0	121	15	3	9.5	16.5	97	18	7	7.0	11.5	81	17	3	5.0	9.5

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_{am}	20 D_u	20 D_ℓ	20 V_{dm}+	20 L_{dm}+
00	54	12	2	5.5	8.0	55	6	5	4.5	8.0	34	7	2	2.5	4.5	22	2	0	1.5	3.0
01	54	11	2	4.5	7.0	54	5	4	4.0	7.5	36	6	4	2.5	5.0	22	2	0	2.0	3.5
02	54	10	2	5.0	7.0	55	5	4	5.0	8.5	35	6	3	4.0	6.0	22	2	0	2.0	3.5
03	55	9	5	5.0	7.0	57	2	6	2.5	5.0	34	6	4	4.0	7.0	22	2	0	2.0	3.5
04	54	7	5	3.0	5.0	55	4	4	2.5	5.0	34	8	2	2.5	4.0	22	2	0	1.5	3.5
05	52	8	4	4.0	5.5	53	7	4	5.0	9.0	36	7	3	5.0	9.0	24	0	2	1.5	3.5
06	51	7	3	3.0	4.5	49	5	3	5.5	8.5	42	4	4	4.0	6.5	25	2	3	2.5	4.0
07	48	5	2	2.5	4.0	45	7	2	3.5	7.5	42	2	4	4.0	6.5	26	5	2	4.0	5.5
08	48	5	4	4.0	6.0	41	12	4	3.0	6.0	40	6	4	3.5	6.5	26	2	2	2.5	5.0
09	47	5	3	3.5	5.0	39	6	2	2.0	4.5	38	10	4	3.0	6.0	26	6	2	2.5	4.5
10	48	8	6	4.0	6.0	41	10	6	2.0	5.0	36	9	4	5.5	8.5	28	2	4	2.0	4.0
11	49	7	6	3.0	5.0	41	9	5	2.5	4.5	36	7	4	3.5	5.0	28	4	2		
12	52	11	7	5.0	7.5	41	12	3	4.0	7.0	36	6	2	4.0	6.5	28	4	2	5.0	6.5
13	52	7	8	4.0	7.0	41	15	3	3.0	6.5	40	9	5	7.5	11.0	28	9	2	6.0	8.5
14	50	10	5	1.0	2.5	43	12	4	5.0	7.5	42	10	4	8.5	14.0	30	7	4	3.5	5.5
15	53	7	8	3.0	5.0	43	5	3	2.0	5.0	44	4	4	5.0	7.5	28	6	2	4.0	6.5
16	53	6	7	3.0	4.0	48	5	5	2.5	4.5	48	4	4	2.0	4.0	24	4	0	2.5	3.0
17	52	9	4	4.0	6.0	51	6	4	4.0	6.5	48	2	4	4.5	8.5	24	2	0	2.0	3.5
18	54	11	4	5.0	7.5	53	4	5	4.0	7.0	42	5	9	3.5	5.5	24	1	0	2.5	4.0
19	54	13	2	3.0	5.0	52	6	4	2.0	4.0	36	6	4	1.5	3.0	24	0	1	2.0	4.0
20	54	13	2	4.0	5.5	51	6	1	4.0	7.0	34	6	2	2.5	4.0	24	1	2	2.5	4.0
21	56	12	4	4.5	7.5	53	6	2	4.0	6.0	34	4	3	2.5	4.0	24	2	2	2.5	4.0
22	55	13	4	4.0	7.0	55	4	4	3.5	6.0	34	6	3	2.0	4.0	22	4	0	1.5	3.0
23	54	14	2	4.0	7.0	54	3	5	5.0	7.5	34	5	2	2.5	4.5	22	2	0	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

USCOMM-NBS-BL

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Byrd Station, Ant. Lat. 80.0 S Long. 120.0 W Month September 19 61

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	113	3	2			86	2	4			72	4	4			60	5	5			34	6	4			35	11	13			25	10	4			20	0	2		
01	113	3	3			84	3	2			74	4	4			59	6	4			32	6	4			31	17	9			25	8	4			20	0	2		
02	111	4	1			84	3	2			72	6	2			60	5	4			34	6	5			30	16	10			25	6	10			20	0	2		
03	112	2	2			*84					*72					*62					34	6	5			30	15	14			23	6	12			20	0	4		
04	111	2	1			*84					*72					60	5	4			34	4	6			25	16	6			22	5	11			19	1	3		
05	111	1	2			84	3	2			72	6	2			59	6	4			32	5	3			27	7	10			21	6	8			20	0	4		
06	111	1	2			84	4	2			73	3	5			60	6	4			32	4	4			26	6	8			21	4	8			18	2	0		
07	111	2	2			84	3	2			74	2	4			62	4	6			32	5	4			24	8	6			21	4	10			20	0	4		
08	111	2	2			84	2	2			74	4	4			60	6	3			30	7	2			23	8	7			23	2	14			20	0	2		
09	111	2	2			84	3	2			74	3	4			60	4	5			32	2	3			22	4	6			23	2	10			20	0	2		
10	111	0	2			84	2	3			74	4	4			63	3	7			32	3	4			20	6	4			21	2	10			20	0	2		
11	111	1	2			84	3	2			74	2	3			62	4	6			32	5	4			22	7	6			21	4	8			20	0	2		
12	111	0	2			84	2	2			74	2	5			60	5	4			32	2	4			24	4	7			21	4	8			20	0	3		
13	109	2	0			84	0	2			72	5	2			60	6	4			30	4	2			27	8	8			23	4	6			20	0	2		
14	111	0	2			84	4	2			72	4	4			60	6	4			32	4	4			30	8	10			23	5	7			20	0	2		
15	111	1	2			*82					*72					*63					30	6	1			34	3	14			25	3	6			20	0	2		
16	111	2	2			*82					*76					*62					34	5	2			35	9	11			29	4	7			20	0	2		
17	111	2	2			84	2	4			74	2	4			*62					33	5	3			38	4	11			31	4	8			20	0	2		
18	112	5	1			86	4	4			74	2	4			62	6	4			34	5	4			36	10	8			33	3	14			20	0	2		
19	113	4	2			86	2	4			72	4	2			60	4	4			34	7	4			38	12	16			31	5	10			20	0	3		
20	113	6	2			86	4	2			74	0	4			60	5	2			34	4	4			40	10	17			29	8	1			20	1	2		
21	115	4	4			86	4	2			74	2	6			58	5	4			33	5	4			36	12	12			27	9	7			20	0	2		
22	113	5	2			86	2	2			74	3	4			60	6	4			32	6	4			38	9	10			27	9	5			20	1	2		
23	113	5	3			84	4	2			72	6	3			60	6	4			34	4	6			38	8	16			27	10	10			20	0	2		

Fam = median value of effective antenna noise in db above ktb
Du = ratio of upper decile to median in db
Dℓ = ratio of median to lower decile in db
Vdm = median deviation of average voltage in db below mean power
Ldm = median deviation of average logarithm in db below mean power

USCOMM-WPS-PL

MONTH-HOUR VALUES OF RADIO NOISE

Station Byrd Station, Ant. Lat. 80.0 S Long. 120.0 W Month October 19 61

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}
00	113	2	4			84	6	4			*71				
01	111	2	2			85	9	5			*73				
02	111	2	2			86	6	6			73	4	4		
03	111	2	2			*84					*74				
04	111	2	2			*82					*72				
05	111	2	3			*82					*71				
06	113	2	2			83	6	3			73	3	3		
07	113	0	4			82	4	3			73	2	4		
08	111	2	2			82	4	3			71	5	2		
09	111	2	2			82	3	3			71	4	2		
10	111	2	2			82	3	4			73	4	4		
11	111	2	2			82	2	4			73	0	4		
12	111	2	3			80	3	2			71	2	2		
13	110	3	1			82	2	4			71	5	2		
14	111	2	2			82	2	4			71	4	2		
15	111	2	2			80	4	2			*71				
16	111	2	2			*84					*72				
17	111	2	2			82	2	2			73	2	3		
18	111	4	2			82	2	2			73	2	4		
19	111	2	2			84	1	4			73	2	4		
20	111	2	2			82	4	2			71	5	2		
21	113	2	4			84	2	4			71	4	2		
22	113	2	3			83	3	3			71	4	2		
23	112	3	1			84	2	2			*71				

Hour (LST)	.545 F_{am}	.545 D_u	.545 D_l	.545 V_{dm}	.545 L_{dm}	2.5 F_{am}	2.5 D_u	2.5 D_l	2.5 V_{dm}	2.5 L_{dm}
00	*56					31	9	2		
01	*58					33	5	4		
02	*58					33	5	3		
03	*60					32	3	3		
04	*60					31	4	2		
05	*56					33	0	5		
06	58	8	6			31	4	2		
07	58	7	5			31	4	3		
08	56	10	2			31	3	2		
09	56	10	3			31	2	4		
10	56	10	3			31	2	4		
11	58	7	4			31	4	3		
12	58	6	4			31	4	4		
13	56	8	2			31	4	3		
14	58	4	4			33	2	4		
15	*58					33	4	4		
16	*60					33	4	4		
17	58	5	3			33	4	4		
18	60	4	4			33	4	4		
19	58	4	2			33	4	4		
20	56	6	2			33	4	4		
21	58	5	4			34	2	4		
22	56	5	2			33	4	5		
23	*56					33	7	7		

Hour (LST)	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	35	10	12			28	3	10			19	1	1		
01	31	10	10			26	8	11			18	2	1		
02	29	14	8			26	6	6			18	2	0		
03	31	15	9			24	7	6			18	2	0		
04	36	11	14			26	5	13			20	0	2		
05	29	12	9			25	10	10			20	0	4		
06	25	8	9			24	10	12			18	2	2		
07	25	6	9			24	4	9			20	0	2		
08	22	5	5			22	5	7			19	1	1		
09	21	0	4			22	4	5			20	0	2		
10	21	2	4			20	2	4			19	1	1		
11	20	3	3			20	2	4			20	0	2		
12	21	6	4			20	2	2			20	0	2		
13	24	3	5			22	4	2			20	1	2		
14	24	5	3			26	2	8			20	2	2		
15	26	5	5			26	4	6			20	2	2		
16	27	6	4			28	6	6			20	1	2		
17	33	4	8			28	6	4			19	1	1		
18	31	10	6			28	8	4			18	2	0		
19	35	10	8			30	6	10			18	2	0		
20	39	6	12			30	6	10			20	0	2		
21	38	9	13			30	6	8			18	2	0		
22	37	9	11			28	7	7			18	2	0		
23	35	10	6			28	6	9			18	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

USCOMM-NBS-BL

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Byrd Station, Ant. Lat. 80.0 S Long. 120.0 W Month November 1961

Frequency (Mc)

Hour (LST)	.051					.113					.246					.545				
	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	110	2	4			86	0	6			72	4	4			57	7	5		
01	110	2	4			84	2	4			71	5	3			58	6	4		
02	110	0	6			85	3	3			72	4	4			60	2	6		
03	108	2	2			*86					*74					*60				
04	108	4	2			*86					*76					*58				
05	108	2	2			85	3	5			72	3	4			58	5	4		
06	108	4	4			86	2	6			72	2	4			58	6	4		
07	110	0	4			86	2	4			72	6	2			60	6	6		
08	110	0	6			86	2	6			72	4	4			60	6	6		
09	110	0	4			86	2	4			73	5	5			60	6	6		
10	110	2	4			86	2	6			72	6	4			61	5	5		
11	108	4	4			86	4	4			72	8	4			63	5	10		
12	108	3	4			86	4	4			72	7	4			60	8	6		
13	110	1	6			86	2	4			72	8	4			62	4	8		
14	108	4	2			86	3	4			72	6	4			60	4	6		
15	108	3	4			86	2	2			72	6	2			60	4	4		
16	108	2	2			*86					*72					56	6	0		
17	108	4	4			84	2	4			70	4	2			58	6	2		
18	110	2	4			84	4	2			70	4	2			58	4	4		
19	110	3	4			84	4	2			70	6	2			58	8	4		
20	110	2	4			84	2	4			70	4	2			58	2	6		
21	110	2	4			84	2	2			70	4	2			56	4	2		
22	110	4	4			84	4	4			70	6	2			58	4	4		
23	110	4	6			86	2	6			72	2	4			58	6	6		

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	30	10	4			22	10	4			23	8	8			20	2	2		
01	32	6	6			24	6	6			25	8	12			20	2	2		
02	29	7	3			24	6	8			25	10	14			20	2	0		
03	28	10	2			22	6	4			25	6	14			20	2	2		
04	34	4	8			23	8	5			21	10	10			20	2	2		
05	32	6	6			20	4	4			21	6	10			20	2	2		
06	32	4	6			20	2	4			21	4	12			20	2	2		
07	32	6	6			18	3	2			19	2	6			20	2	2		
08	30	8	4			18	4	2			19	3	8			20	2	2		
09	32	6	6			18	6	2			19	2	8			20	4	2		
10	32	6	6			18	8	2			19	4	4			20	4	0		
11	32	6	6			18	6	4			19	4	4			20	6	0		
12	32	7	6			18	5	2			18	3	3			20	2	0		
13	32	8	5			19	5	3			19	2	4			20	2	0		
14	32	8	6			20	2	4			19	5	2			20	2	0		
15	31	8	5			18	4	2			21	4	3			20	3	0		
16	32	5	4			22	4	5			23	6	4			20	3	0		
17	32	4	6			22	4	5			25	3	7			20	4	0		
18	30	10	4			20	6	2			25	5	9			20	2	1		
19	30	8	4			25	8	8			25	6	6			20	2	0		
20	28	8	2			24	8	8			25	7	8			20	2	0		
21	30	8	5			26	8	8			25	8	7			20	2	0		
22	32	6	6			23	11	4			25	7	7			20	2	0		
23	29	7	3			25	9	9			25	7	10			20	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 Cook, Australia Lat. 30.6 S Long. 130.4 E Month September 19 61

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	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	155	2	2	6.0	10.0	126	4	3	8.5	14.5	102	8	6	8.0	15.0	81	9	5	6.0	11.5	57	10	8	8.0	14.0	53	9	8	5.0	10.0	41	6	7	5.0	8.0	24	0	2	3.0	6.5
01	155	2	2	6.5	11.0	126	6	2	7.0	12.0	101	8	3	7.0	12.5	80	10	4	5.0	9.5	57	11	6	10.0	14.0	53	6	6	4.5	8.5	41	7	6	5.0	8.5	24	0	3	4.5	6.0
02	155	2	2	6.5	11.0	126	7	2	7.0	12.0	101	8	4	7.0	12.5	78	10	3	5.0	9.0	57	9	4	*5.5	*10.0	52	7	4	5.5	9.5	41	7	10	*5.0	*8.0	22	2	2	2.5	4.5
03	155	2	2	7.0	11.5	126	5	2	7.5	12.5	100	7	4	6.5	11.5	78	12	4	5.0	9.5	57	6	6	*5.0	*9.0	53	5	5	5.0	9.0	37	7	6	3.5	5.5	22	2	2		
04	155	2	2	8.0	13.0	126	5	2	7.0	12.5	98	9	4	7.0	11.5	80	6	4	*7.5	*13.0	57	8	6	*7.5	*13.0	53	8	6	5.5	10.0	33	5	4	*3.0	*5.0	22	2	2	2.5	3.5
05	155	3	2	8.0	13.0	125	5	3	7.0	13.0	94	8	2	7.0	11.5	70	6	4	*4.0	*9.0	55	8	4	*5.0	*8.5	51	4	4	6.0	10.0	34	6	5	3.5	6.0	22	2	2		
06	155	2	2	8.0	13.5	126	5	3	7.0	12.5	77	14	5	*5.0	*7.5	50	12	10	*3.0	*6.0	49	8	8	*5.5	*10.0	49	2	4	*5.5	*8.0	36	6	5	*4.0	*6.5	22	2	2	2.5	4.0
07	151	4	2	8.5	14.5	113	8	3	7.5	13.0	68	15	8	*5.0	*11.5	50	18	10	*5.5	*8.5	27	16	4	*3.0	*6.5	30	10	7	*4.5	*8.0	32	8	7	*4.0	*6.0	22	2	0	3.5	5.5
08	151	4	2	9.5	15.5	108	8	4	8.0	14.5	66	16	8	*8.0	*12.0	54	16	14	*4.0	*6.5	24	12	5	*7.0	*9.5	23	15	6	*4.0	*6.0	28	11	7	4.0	7.0	22	2	1		
09	151	4	2	11.0	17.0	108	10	2	*11.0	*17.5	66	14	6	*7.0	*6.5	52	18	12	*5.5	*9.0	22	12	3	*6.0	*8.0	21	19	4	*4.0	*6.0	24	13	3	*5.5	*8.0	23	1	1	3.0	5.0
10	151	4	2	11.5	18.0	110	6	2	*11.5	*19.0	71	8	11	*6.0	*9.0	53	12	15	*7.0	*11.5	21	14	2	*3.5	*6.0	21	20	5	*4.0	*5.0	24	14	5	*5.0	*7.5	22	4	2	4.0	6.0
11	151	2	2	11.5	18.5	112	4	4	*11.5	*19.0	69	12	5	*5.0	*9.0	54	12	6	*4.0	*7.0	22	11	3	*3.5	*5.5	23	15	6	*4.0	*6.5	24	14	7	*3.0	*5.5	22	0	2	3.5	5.0
12	151	2	4	12.5	19.5	112	5	5	12.0	19.0	68	12	3	*4.0	*5.5	53	17	4	*5.5	*9.0	21	11	2	*3.0	*4.5	21	10	4	*4.0	*6.0	23	15	4	*8.5	*11.0	22	2	2	3.5	5.5
13	151	2	3	12.0	19.0	114	6	7	12.0	20.0	68	17	4	*5.0	*8.0	52	25	4	*11.5	*20.0	23	14	4	*8.0	*4.0	23	8	4	*5.0	*7.0	21	11	5	*4.0	*6.0	24	2	3	2.5	3.5
14	151	2	2	11.5	18.5	112	7	4	11.0	18.0	70	21	8	*5.0	*8.0	56	16	12	*14.5	*19.0	25	10	4	*3.0	*4.5	*23			*4.5	*6.0	28	6	7	*3.5	*7.0	24	0	2	3.0	5.0
15	151	4	2	10.0	16.0	114	13	2	*10.0	*17.5	70	38	4	*7.0	*7.0	54	25	13	*9.0	*17.0	27	23	7	*4.0	*6.0	29	10	10	*5.5	*8.0	34	4	7	*6.0	*8.0	24	2	3	2.5	4.0
16	151	4	2	9.5	16.5	112	17	3	9.0	16.0	72	34	9	8.5	15.5	53	21	11	6.5	17.0	31	20	10	*5.0	*10.0	31	15	6	9.0	15.0	37	7	7	6.0	10.5	24	3	0	2.5	4.5
17	153	2	4	8.5	14.5	112	13	4	8.5	15.0	78	23	12	11.0	19.0	64	10	8	8.0	15.0	36	17	13	*7.0	*13.0	41	8	8	5.5	10.5	41	4	9	7.5	12.0	24	2	1	3.0	5.0
18	151	4	2	9.0	14.5	116	10	6	9.0	15.5	92	12	9	*12.0	*21.5	76	6	6	*7.0	*14.0	47	12	9	5.0	9.0	50	9	7	6.5	10.5	43	5	10	*5.5	*9.5	24	2	2	3.0	4.0
19	153	5	2	9.0	15.0	120	7	4	10.5	17.0	96	7	4	2.5	15.5	80	9	2	*6.0	*11.0	54	14	6	5.0	9.0	55	8	6	5.5	11.0	43	5	6	5.5	9.5	24	2	2	3.0	5.0
20	153	5	2	8.5	14.0	124	4	4	9.0	15.5	98	9	4	8.0	15.0	84	4	4	*7.0	*11.5	57	10	4	6.0	12.0	55	4	5	6.0	9.5	44	4	7	*6.0	*11.0	24	2	2	2.5	4.0
21	153	4	2	8.0	13.0	126	2	4	8.5	14.5	102	6	5	6.0	12.5	83	6	3	*6.0	*11.0	57	8	7	6.5	10.5	55	5	4	*6.5	*12.5	42	5	5	*5.0	*8.0	24	0	2		
22	153	4	2	7.5	12.0	126	4	4	8.5	15.0	103	7	5	7.5	14.5	84	8	6	*5.5	*11.5	57	9	6	6.5	12.0	53	6	5	6.0	10.0	44	4	7	5.0	8.0	24	0	2	2.5	4.0
23	153	4	1	6.5	11.0	126	4	4	9.0	16.0	102	6	5	8.0	15.0	83	9	5	6.5	*12.5	59	9	8	6.0	11.5	53	6	10	7.0	11.5	42	6	5	*6.0	*9.0	24	0	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 Cook, Australia Lat. 30.6 S Long. 130.4 E Month October 19 61

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	154	2	2	7.5	11.5	128	4	4	9.0	15.0	108	5	6	8.0	14.5	85	8	10	8.0	14.5	62	6	10	7.5	13.5	54	6	6	6.0	10.5	45	14	10	4.0	6.5	24	0	2	3.0	4.0
01	154	4	0	7.0	11.5	128	4	3	9.5	16.0	108	7	6	7.5	14.5	82	9	8	6.5	12.0	62	6	9	7.0	12.5	56	4	8	6.0	9.5	45	4	10	4.0	7.0	24	0	2	4.5	6.5
02	156	2	2	7.0	12.0	128	6	3	8.5	14.0	106	8	5	8.0	15.0	81	10	8	8.5	15.0	60	8	6	6.0	10.0	56	6	7	4.5	8.5	43	8	10	3.5	6.5	24	0	2	2.5	4.0
03	156	2	2	8.0	13.5	128	5	3	8.0	14.0	104	8	6	7.5	13.0	79	8	7	7.0	14.0	58	10	6	6.0	10.5	56	5	8	4.0	8.0	43	3	10	4.5	7.0	24	0	2	2.5	4.0
04	156	0	2	8.0	14.0	126	4	2	8.0	14.0	102	5	4	7.5	14.0	75	6	3	6.5	13.0	58	7	6	5.0	9.0	56	3	8	5.0	8.0	41	4	10	4.0	6.5	24	0	2	2.5	3.5
05	156	0	4	8.5	14.0	124	4	4	8.5	15.0	92	7	4	8.5	16.0	54	9	9	10.0	13.0	54	7	6	6.0	10.0	54	3	7	4.5	7.5	39	8	5	4.0	7.0	24	1	2	2.5	4.0
06	152	2	2	9.0	14.5	116	6	4	8.5	14.5	76	18	9	9.0	14.0	47	16	7	3.5	6.0	40	9	10	7.0	12.0	42	4	8	6.5	9.0	37	4	5	4.0	6.5	24	2	2	3.0	5.0
07	150	4	2	10.0	16.0	112	14	5	9.0	17.0	74	22	11	8.5	12.5	47	22	6	4.0	5.5	26	25	6	7.5	9.5	26	20	8	10.0	16.0	31	7	4	4.0	6.0	24	1	2	2.5	4.0
08	150	2	2	11.0	17.0	110	10	4	10.0	18.0	78	7	12	8.5	11.5	46	17	5	16.5	21.5	24	16	5	5.5	7.0	24	14	8	10.0	12.0	27	6	2	4.5	6.5	24	0	2	2.5	3.5
09	150	4	2	12.0	19.0	110	8	6	12.5	20.0	78	13	6	11.5	19.0	45	28	4	4.0	6.0	24	16	4	5.5	7.0	21	14	5	6.0	7.5	25	5	3	2.5	4.0	24	2	2	3.0	5.0
10	149	3	1	12.0	19.5	112	10	4	13.0	21.0	76	14	10	8.0	10.0	45	30	4	4.0	6.0	22	11	2	5.5	7.0	18	12	3	9.0	12.0	25	7	4	3.0	5.0	24	1	2	3.0	4.5
11	150	4	2	13.0	19.0	116	12	8	12.5	21.0	82	13	12	10.0	17.5	53	11	6	3.5	5.0	22	22	2	9.0	15.0	22	15	4	4.0	5.5	23	7	3	2.5	4.0	24	2	2	2.5	4.0
12	150	6	3	11.0	17.0	119	11	9	12.5	19.5	87	16	13	9.0	18.0	55	11	6	6.0	8.0	22	16	4	3.0	4.5	23	13	5	6.5	9.0	25	6	4	4.0	7.0	24	2	2	3.5	5.5
13	152	4	5	11.0	18.5	120	7	9	11.0	19.0	90	14	16	7.0	14.0	53	12	4	2.5	4.5	23	27	5	3.0	5.0	24	12	5	3.0	5.0	29	7	6	4.0	6.0	24	2	2	3.5	5.0
14	152	4	4	10.5	17.0	120	4	8	9.5	16.0	87	11	14	8.5	17.0	51	6	4	3.5	6.0	21	7	3	6.0	8.0	30	5	10	6.0	10.0	34	4	9	7.0	10.5	24	4	2	3.5	6.0
15	154	2	2	9.0	15.5	120	4	3	10.5	17.0	95	5	10	9.0	16.0	51	6	6	3.0	5.0	24	4	3	6.0	10.0	32	4	7	6.0	12.0	38	4	6	5.0	9.5	26	2	2	3.0	5.5
16	153	4	2	8.5	14.5	120	5	9	8.0	14.5	90	13	16	10.0	17.5	51	14	7	4.0	7.0	28	12	6	4.5	6.5	36	6	14	5.5	10.0	41	6	7	5.5	10.0	27	3	3	3.5	5.5
17	152	4	2	9.0	15.0	120	6	11	8.0	14.0	93	10	17	8.5	16.0	61	10	11	5.0	10.5	38	12	12	4.5	8.0	44	4	8	4.5	8.5	45	4	6	4.5	7.0	27	4	2	3.5	5.0
18	152	3	2	9.0	15.0	120	6	8	8.5	16.0	105	8	14	10.0	18.0	79	5	7	8.0	16.0	54	8	10	6.0	11.5	52	6	7	5.0	10.0	47	4	7	6.0	8.5	26	4	1	3.0	5.0
19	152	4	2	9.0	15.0	126	4	9	10.0	17.0	108	6	13	10.5	18.5	85	6	8	7.5	14.0	61	7	11	7.0	13.5	56	6	5	5.5	9.5	47	2	5	7.5	10.5	26	1	2	3.5	4.0
20	154	3	3	9.5	15.0	126	4	3	8.0	15.0	104	12	6	8.0	15.0	85	8	8	6.5	13.5	60	8	9	6.5	12.5	58	4	8	6.0	10.0	47	4	6	4.5	7.5	26	2	2	3.0	3.0
21	154	3	2	9.0	14.0	128	4	4	8.0	14.0	104	9	2	7.5	13.0	85	6	6	6.5	12.5	60	8	10	7.5	14.5	60	3	8	4.5	8.0	47	5	5	4.5	7.5	24	3	1	3.0	3.5
22	154	2	2	8.0	13.0	128	4	4	9.0	14.5	106	8	5	8.0	14.0	83	4	5	9.0	14.5	60	8	10	6.5	13.5	56	6	5	6.0	9.0	45	10	4	4.5	7.0	24	2	1	3.0	3.0
23	154	2	2	7.5	12.0	128	4	4	9.5	16.5	106	8	7	8.0	16.0	83	7	8	9.5	17.0	62	8	11	6.5	12.0	56	5	7	5.5	8.5	45	16	7	5.0	6.5	24	1	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 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 Cook, Australia Lat. 30.6 S Long. 130.4 E Month November 1961

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	159	1	3	8.0	13.5	134	4	4	8.0	15.0	109	6	4	6.5	12.5	86	8	4	6.0	13.0
01	158	2	2	8.5	14.0	134	2	6	7.0	14.0	108	5	6	7.0	12.5	86	7	6	6.5	12.5
02	158	2	2	7.5	13.5	133	3	5	8.0	15.0	109	4	7	5.5	12.5	86	6	6	6.5	13.0
03	158	4	2	8.5	15.0	132	4	2	8.5	15.0	107	7	5	8.0	14.5	84	6	6	7.0	13.5
04	158	2	3	9.0	16.0	132	2	4	9.0	15.0	105	4	9	8.0	14.5	46	8	6	*7.5	*12.5
05	158	2	2	9.0	15.5	124	6	2	*8.0	*14.5	87	10	7	*9.5	*15.5	48	16	7	*6.0	*9.0
06	156	2	2	9.0	15.0	122	4	2	10.0	16.5	79	12	10	*10.0	*17.0	44	12	4	*3.0	*4.0
07	154	4	2	10.0	17.0	118	8	4	9.0	17.0	77	18	6	11.0	20.0	46	14	6	*10.5	*14.0
08	156	2	4	11.0	18.5	120	4	6	*10.5	*19.0	87	10	14	11.0	19.0	46	30	8	*4.0	*5.0
09	156	4	4	12.5	20.0	120	8	6	11.0	20.0	85	12	10	*10.5	*19.0	50	8	10	*4.0	*5.5
10	156	3	4	12.0	20.0	122	6	4	10.5	18.5	87	10	6	*8.0	*17.0	46	9	5	*4.0	*6.0
11	156	2	4	*12.0	*19.0	124	6	2	*8.0	*14.5	93	8	6	*7.0	*14.0	54	11	6	*5.0	*8.5
12	158	4	4	8.5	14.0	128	4	4	7.0	14.5	95	8	6	*4.0	*9.0	54	6	4	*3.5	*5.5
13	160	2	2	7.0	13.5	132	2	4	*6.0	*10.5	98	7	7	*4.5	*9.0	54	10	[illegible]	*8.0	*10.5
14	162	2	2	6.0	11.0	132	4	2	*5.0	*8.5	97	10	6	*9.5	*12.0	*60			*11.5	*19.5
15	162	0	4	*7.0	*12.0	131	5	3	*6.0	*11.0	97	19	8	*5.0	*9.0	54	10	6	*6.0	*10.0
16	162	2	4	6.5	12.5	128	8	2	5.5	10.0	99	18	8	8.0	13.5	54	18	10	*9.0	*13.0
17	162	3	4	6.5	12.0	129	6	5	5.0	10.0	97	16	7	6.5	12.0	58	16	10	*5.0	*10.0
18	158	6	3	7.5	13.0	128	6	4	7.0	13.0	104	7	6	6.5	13.0	76	10	22	*3.5	*8.0
19	158	4	2	8.0	14.5	131	5	3	7.0	13.5	110	5	4	6.5	12.0	88	4	11	4.5	10.0
20	160	3	4	9.0	15.5	134	4	4	*8.0	*14.0	111	6	5	6.0	12.0	90	6	8	6.0	12.0
21	158	4	3	8.5	15.0	134	4	4	7.0	13.5	109	4	5	6.0	10.5	90	6	6	4.5	9.5
22	158	4	2	8.0	14.0	134	4	4	7.5	13.5	111	4	6	6.0	12.5	92	2	9	6.0	12.0
23	160	1	4	8.0	13.5	134	4	4	7.5	14.0	111	2	5	7.5	14.5	90	5	8	5.0	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	61	6	4	6.0	12.0	56	4	4	6.0	11.0	45	3	4	5.0	7.0	22	2	0	2.5	4.0
01	59	6	6	5.5	10.5	56	2	4	6.0	9.0	45	4	4	5.5	9.0	22	2	0		
02	58	7	5	6.0	11.5	56	4	4	4.5	9.0	43	9	4	5.0	9.0	22	2	0		
03	59	6	6	6.5	11.0	56	7	4	4.5	8.0	41	10	3	6.0	9.0	22	0	0		
04	59	6	8	7.0	12.5	54	9	2	4.0	8.5	41	6	5	*4.0	*7.0	22	2	0		
05	53	6	6	*7.5	*12.0	52	4	4	5.0	7.5	41	3	4	4.0	7.5	22	2	0		
06	37	7	8	*7.0	*13.0	38	4	6	7.0	12.5	37	4	2	*4.0	*7.5	22	2	0	2.5	3.0
07	25	6	6	*7.5	*9.5	28	9	6	6.5	12.0	33	4	4	*5.5	*8.0	22	2	0	2.5	4.0
08	23	8	2	*11.5	*6.0	26	6	6	*4.5	*6.5	31	4	4	*2.5	*4.0	24	0	2	2.5	4.5
09	23	10	4	*5.5	*8.0	24	10	8	*5.0	*6.5	29	6	4	*3.0	*5.0	24	0	2	2.5	4.5
10	21	8	2	*8.0	*12.0	22	15	4	*4.0	*6.5	29	8	5	*3.0	*5.0	22	2	0	2.5	4.0
11	21	6	2	*4.5	*7.5	23	6	3	*5.0	*7.0	29	9	4	3.5	6.0	22	4	0	2.5	4.0
12	23	4	4	*3.0	*5.0	24	8	4	*3.5	*6.0	31	6	4	3.5	5.5	24	2	2	3.5	5.5
13	23	6	4	*3.5	*5.0	26	14	2	*3.5	*6.0	33	9	6	*3.5	*6.0	24	4	2	2.5	5.0
14	23	6	4	*3.5	*5.0	28	8	6	*3.5	*5.0	*37			*3.0	*6.0	*26			3.0	5.0
15	25	37	6	*4.5	*7.0	30	18	6	*6.0	*9.0	39	4	6	*4.5	*7.5	28	2	4	2.5	5.0
16	29	30	6	*7.0	*13.0	40	6	8	*4.0	*8.0	45	2	6	4.5	7.5	28	4	3	3.0	5.0
17	39	14	10	*5.0	*8.0	46	6	7	4.5	7.5	49	2	8	*6.0	*10.0	28	3	4	3.5	6.0
18	53	10	7	4.0	8.0	54	5	6	4.0	7.5	51	2	5	*6.5	*9.5	26	4	2	3.0	5.0
19	65	2	6	3.0	7.5	58	6	4	4.0	8.0	51	5	4	*5.0	*7.5	26	2	2	3.0	4.5
20	65	4	5	5.0	10.0	58	6	3	*5.0	*9.0	49	6	4	5.5	9.0	24	2	0	2.5	3.0
21	66	3	5	6.0	11.0	59	5	3	*5.0	*9.0	49	5	4	6.0	10.0	24	2	2	2.5	3.5
22	63	5	5	5.5	11.0	56	6	2	6.0	10.5	47	6	4	5.5	8.5	22	2	0		
23	62	5	5	5.5	11.5	57	3	5	5.0	10.0	45	8	4	6.0	9.0	22	2	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

MONTH-HOUR VALUES OF RADIO NOISE

Station Enkoping, Sweden Lat. 59.5 N Long. 17.3 E Month September 1961

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	154	6	0	7.5	12.0	123	9	4	9.5	14.5	103	5	6	*8.0	*13.0	86	10	9	3.5	5.5	59	8	4	*5.5	*9.0	54	5	2	4.0	6.0	39	4	4	3.5	5.5	20	0	5	1.5	2.5
01	154	4	2	8.0	13.0	121	9	4	9.0	14.0	107	4	6	*4.0	*9.5	89	8	10	*2.0	*4.0	59	8	4	*5.5	*9.0	54	4	4	*4.5	*8.0	37	6	4	3.5	5.0	20	0	6	1.5	3.0
02	154	4	2	8.5	13.5	121	9	4	9.0	14.0	109	4	8			87	10	9	*5.0	*8.5	57	10	4	6.0	9.5	54	5	3	4.0	7.0	35	6	2	3.0	5.0	18	2	4	1.5	3.0
03	154	5	2	10.0	16.0	121	7	5	10.5	16.0	107	6	6			80	14	11	7.0	13.5	57	6	4	*5.0	*9.0	54	4	4	5.5	9.0	35	9	2	*2.0	*4.0	18	2	4	1.5	3.0
04	154	6	2	9.5	15.5	121	9	6	11.0	17.0	105	4	17	*4.0	*6.5	68	18	13	5.0	8.0	57	10	4	*7.0	*10.5	52	6	2	4.5	8.0	38	8	5	*1.0	*3.0	18	2	3	2.0	3.5
05	154	4	2	10.0	17.0	115	10	5	11.0	16.0	89	6	8	*6.5	*11.0	55	8	4	*2.0	*3.5	51	9	7	*5.5	*8.5	50	4	4	*4.5	*7.0	40	7	3	*5.0	*7.0	18	2	4	2.0	3.5
06	154	3	4	9.5	15.0	113	12	6	11.0	15.5	85	8	8	*5.0	*9.0	55	13	2	*5.0	*6.5	40	8	10	*6.5	*9.0	46	6	6	6.5	10.0	43	6	5			18	4	3	2.0	3.5
07	152	3	4	11.0	17.0	113	12	9	15.0	22.0	81	10	7	*6.0	*8.5	53	8	2	3.5	5.5	37	10	8	*6.0	*8.0	41	5	8	*7.0	*9.5	43	6	4			20	2	6	2.0	3.5
08	150	6	2	11.5	17.5	111	14	8	13.0	21.0	81	11	8	*5.0	*7.0	53	7	2	*3.0	*5.0	37	6	10	*4.5	*6.0	34	12	6	*5.5	*7.5	47	6	6			20	4	4	2.0	3.5
09	148	8	2	11.0	17.0	107	12	12	*14.0	*21.0	78	11	5	*2.5	*6.0	53	8	2	4.5	7.0	33	7	5	*4.0	*6.0	34	10	6	*5.5	*7.5	41	6	4			20	4	2	*3.0	*5.0
10	149	5	3	12.0	18.0	111	8	9	*11.5	*18.0	81	8	6	*3.0	*5.0	54	5	3	*4.0	*5.5	31	4	4	*5.0	*7.0	32	7	5	6.0	8.5	39	8	4	*11.5	*15.5	20	4	4	*2.0	*3.5
11	149	8	3	10.0	16.5	112	10	10	*11.0	*16.5	82	9	14	*4.5	*5.5	53	6	2	*3.0	*5.0	29	6	2	*5.0	*6.5	29	9	6	*3.0	*5.0	41	2	6	*7.0	*10.5	21	6	4	*2.5	*4.5
12	150	5	4	9.0	14.5	115	7	14	12.0	17.0	81	10	7	*4.5	*8.0	53	9	2	*3.0	*5.0	31	4	2	*3.5	*5.0	29	5	10	*8.0	*10.0	43	7	11			22	8	6	*4.0	*6.0
13	150	5	2	8.0	12.5	115	10	10	14.0	20.0	81	12	4	7.0	9.5	53	16	2	*3.0	*5.0	32	6	5	*4.0	*6.0	32	11	9	*4.5	*7.0	43	6	2			20	5	4	3.0	4.5
14	152	6	4	8.0	12.5	117	8	12	11.5	18.0	81	14	8	*4.0	*7.0	53	14	2	*2.0	*3.5	31	12	2	4.0	5.0	34	12	6	4.0	5.5	49	5	6			22	4	6	*2.5	*4.0
15	152	7	2	7.5	12.0	117	10	11	12.0	19.0	81	12	10	*3.0	*4.5	53	6	2	*4.5	*6.0	37	9	6	*5.0	*7.0	38	12	8	*4.0	*6.5	49	7	3	*8.0	*12.0	22	4	6	2.0	3.5
16	152	7	2	7.0	11.0	117	9	9	12.0	18.0	83	13	6	3.0	5.5	58	7	4	3.0	5.5	40	5	9	*3.0	*5.5	41	12	8	*6.0	*11.0	51	5	2			22	3	5	2.5	4.5
17	152	7	3	7.0	11.0	119	8	10	11.0	17.0	85	13	6	3.0	6.0	63	16	4	*5.0	*9.0	45	6	8	4.0	6.0	49	9	8	*4.0	*7.0	52	10	7	*5.5	*7.5	22	4	4	3.0	5.0
18	152	7	3	6.5	11.0	119	6	11	10.0	15.0	93	9	7	*4.5	*7.0	75	12	8	*6.5	*9.0	51	11	7	*6.0	*8.0	54	5	4	*4.5	*8.0	51	9	6	*4.5	*8.5	22	3	2	2.0	4.0
19	154	2	4	6.0	11.0	121	7	7	9.0	14.0	101	4	10	*6.0	*10.0	83	8	10	3.0	4.5	56	9	5	*5.0	*8.5	56	5	4	*5.0	*9.0	47	6	4	*7.0	*9.5	21	3	2	1.0	3.0
20	154	4	2	8.0	12.0	123	5	9	*8.5	13.0	101	6	4	*5.5	*9.0	83	8	8	*3.5	*5.5	59	8	6	5.0	9.0	57	3	5	*5.0	*8.0	45	6	2	*5.0	*8.0	20	2	1	1.0	3.0
21	154	5	2	7.0	11.5	124	6	6	10.0	14.0	103	8	6	*4.0	*8.5	87	7	11	3.5	6.5	59	8	5	*5.5	*8.0	56	7	2	*4.5	*8.0	45	4	6	*3.0	*5.5	20	0	2	1.0	2.5
22	154	4	2	7.0	11.0	124	6	7	9.0	15.5	105	5	6	*6.5	*13.0	88	8	9	3.5	5.0	59	8	4	*5.5	*10.0	56	7	4	4.0	7.0	43	3	6	4.5	7.0	20	0	3	1.0	2.0
23	154	6	2	7.0	11.5	123	8	6	9.0	15.0	106	5	6	*6.5	*9.5	87	8	11	5.0	7.0	59	10	6	7.0	11.5	56	4	4	4.0	7.0	39	5	3	5.0	8.0	20	0	3	1.0	2.5

Fam = median value of effective antenna noise in db above ktb
Du = ratio of upper decile to median in db
Dℓ = ratio of median to lower decile in db
Vdm = median deviation of average voltage in db below mean power
Ldm = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Enkoping, Sweden Lat. 59.5 N Long. 17.3 E Month October 1961

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	154	3	0	9.0	14.5	123	3	4	9.5	15.0	97	7	2	2.0	6.0	82	11	8	3.5	7.5	57	6	5	5.5	9.0	54	4	6	4.5	8.0	36	9	5	3.5	6.0	16	4	2	1.5	3.0
01	154	2	1	9.0	15.0	122	5	4	10.0	16.0	101	6	5	5.0	10.0	79	15	5	4.0	7.5	58	5	7	5.0	9.0	54	5	6	5.0	9.0	34	11	4	2.5	5.0	16	4	2	1.0	2.5
02	154	4	2	10.0	16.0	122	5	4	9.0	14.5	101	5	5	4.5	9.0	83	10	12	3.0	6.0	57	6	6	5.5	11.0	54	5	7	5.0	8.0	36	9	6	4.0	6.0	16	4	2	1.5	3.0
03	154	2	2	10.5	16.5	123	4	5	10.5	17.5	101	4	9	4.5	9.5	81	8	10	4.0	7.0	57	7	4	4.0	8.5	54	6	6	5.5	9.5	36	9	6	3.5	6.0	16	4	2	1.5	3.0
04	154	2	2	10.0	16.5	124	3	9	11.0	17.0	99	8	5	7.5	12.5	74	11	10	4.0	8.0	57	9	6	7.5	12.0	52	7	5	6.5	9.5	36	8	6	8.0	11.0	16	4	2	1.5	3.0
05	153	1	2	11.0	17.5	120	6	7	9.0	15.0	101	6	9	5.0	10.0	62	8	12	4.5	7.0	57	6	6	7.0	12.5	52	6	6	6.0	10.0	40	8	6	5.0	10.0	16	4	2	2.0	2.5
06	154	2	2	11.0	17.5	116	7	6	9.0	15.0	91	4	6	4.0	8.0	57	13	5	4.0	6.0	49	6	8	6.0	9.5	50	8	6	6.0	10.0	44	7	7			18	3	4	2.5	4.0
07	152	2	2	10.0	16.0	112	8	3	11.0	17.0	85	6	6	4.5	9.0	54	13	4	3.5	6.0	39	6	6	5.5	8.5	46	8	8	5.0	9.0	48	5	9	4.5	7.5	20	4	6	3.0	5.0
08	150	4	2	11.0	17.5	110	8	6	12.5	18.5	83	10	6	6.0	10.0	52	8	2	4.5	7.0	37	8	4	5.5	9.0	36	12	2	3.5	5.0	45	13	6			20	4	4	4.0	7.0
09	150	4	4	11.0	17.5	109	8	6	13.5	20.0	85	10	12	3.0	9.0	54	6	4	3.5	5.0	39	8	10	25	6.0	36	12	8	6.0	9.0	44			6.0	12.0	21	3	5	3.0	6.0
10	148			12.0	18.0	106			11.0	17.0	87			4.0	7.0	52	4	2			35			4.0	6.5	34					46	4	8			23	3	5	4.0	7.0
11	148	4	4	10.5	17.0	108	8	13	12.0	18.0	81	8	10	1.5	4.5	52	11	2	5.0	7.5	35	9	7	3.0	5.0	38			7.5	10.0	42					24			4.0	6.0
12	150	4	4	9.5	15.0	109	7	12	13.0	19.0	85	5	10	3.0	5.0	52	12	3	2.0	4.5	35	8	6	3.0	5.0	36	6	10	4.5	7.0	47			7.0	13.0	24	2	7	4.0	7.0
13	150	3	4	8.0	13.5	108	8	11	12.0	16.5	83	8	8	1.0	3.0	53	7	3	3.0	5.5	39	6	8	2.5	4.5	32	12	6	6.0	9.5	50	10	10	7.5	12.5	24	3	6	3.5	6.0
14	150	4	3	8.0	13.0	108	10	10	11.0	17.0	85	8	7	2.0	4.0	54	12	4	3.5	5.5	39	8	8	2.0	4.5	36	11	4	5.0	8.0	50	4	11	4.0	7.5	24	6	6	4.0	6.5
15	150	2	2	7.0	12.0	111	5	9	11.0	16.0	83	12	4	5.0	9.0	56	15	6	2.0	4.0	45	2	10	3.0	6.0	42	12	6	5.0	7.5	52	8	10	6.5	10.0	22	6	4	4.0	6.5
16	150	2	2	7.0	12.0	112	4	4	10.0	15.0	87	9	7	6.0	10.0	65	20	8	1.0	3.5	44	7	9	3.5	5.5	48	9	8	3.0	7.0	52	8	12	7.0	11.0	20	6	4	3.0	5.0
17	150	4	3	7.0	12.0	114	6	6	9.5	14.5	91	8	4	4.0	8.0	73	19	11	2.0	4.0	49	11	7	4.0	8.0	50	8	4	6.0	10.0	52	10	9			20	5	5	1.5	3.0
18	152	3	2	7.5	12.5	118	5	5	8.5	14.0	96	10	5	5.0	8.5	76	14	8	2.0	3.0	53	5	4	5.0	8.0	52	8	2	5.0	8.0	46	6	8	5.0	9.5	20	1	5	1.5	3.0
19	152	4	2	8.0	12.0	120	6	4	7.0	12.0	97	9	4	4.0	8.5	76	13	6	2.5	4.5	56	8	5	5.0	8.0	54	8	8	4.0	7.5	46	8	8	4.0	8.5	18	2	4	1.0	3.0
20	154	2	2	8.0	13.0	122	4	6	9.0	14.0	97	9	4	4.5	8.0	78	12	8	5.0	9.0	53	6	4	5.0	9.0	54	6	6	3.0	7.0	44	12	12	4.0	8.0	16	4	2	1.5	3.0
21	154	2	2	8.5	13.0	122	6	4	9.0	15.0	99	10	4	5.5	9.5	78	11	7	4.5	8.0	55	6	4	5.5	10.5	54	4	6	3.5	8.0	43	7	11	4.5	8.0	16	4	2	1.5	3.0
22	154	3	2	8.0	12.5	122	5	3	10.0	15.0	99	5	4	4.5	8.0	78	14	7	4.0	8.0	57	10	7	6.0	10.0	54	5	7	4.0	7.0	39	11	9	4.5	8.0	16	4	2	1.0	3.0
23	154	3	0	8.5	14.0	124	3	5	9.5	16.0	99	7	6	5.5	9.5	79	16	8	3.5	7.0	57	6	6	5.5	10.0	54	5	6	4.5	8.0	36	8	6	4.0	7.0	16	4	2	1.0	3.0

Fam = median value of effective antenna noise in db above ktb
Du = ratio of upper decile to median in db
Dℓ = ratio of median to lower decile in db
Vdm = median deviation of average voltage in db below mean power
Ldm = median deviation of average logarithm in db below mean power

USCOMM-NBS-DC

MONTH-HOUR VALUES OF RADIO NOISE

Station Enkoping, Sweden Lat. 59.5 N Long. 17.3 E Month November 1961

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	156	1	4	9.0	15.0	120	6	6	10.0	15.0	99	4	6			75	17	6	3.0	5.0	55	4	4	5.0	9.0	51	6	6	4.5	7.5	34	11	3	3.0	5.0	18	1	3	1.5	3.0
01	154	4	3	11.0	17.0	120	6	6	10.0	15.5	103	5	5	6.0	11.0	77	8	8	4.0	8.0	53	6	5	5.0	9.0	51	6	6	5.5	9.5	34	8	4	2.5	4.5	18	2	3	1.0	2.5
02	154	3	3	11.5	17.5	120	6	6	11.0	16.0	103	5	9			77	13	10	4.0	6.0	55	5	6	6.0	10.0	51	8	6	6.0	9.5	34	6	4	3.0	5.0	18	2	3	1.0	2.5
03	154	2	2	11.0	17.5	120	6	5	9.0	15.0	101	5	4	2.0	6.5	74	9	7	3.0	5.0	51	9	3	5.0	9.0	50	8	5	6.0	9.5	32	12	2	3.0	5.0	18	2	3	1.0	3.0
04	154	3	4	12.0	19.0	118	8	4	10.5	16.5	99	8	7	6.0	11.0	73	6	6	2.0	3.0	51	6	5	6.0	10.0	49	7	5	6.5	10.0	32	8	2	2.0	4.0	18	2	4	1.0	3.0
05	154	3	4	11.5	18.5	116	8	3	12.5	19.0	103	4	8	4.0	9.0	69	14	9	2.0	3.5	51	4	2	5.5	9.0	47	6	6	4.0	7.5	32	7	2	2.0	4.0	18	2	2	1.5	3.0
06	154	4	4	12.5	19.0	114	8	4	11.5	18.0	106	5	11	7.0	12.5	59	13	4	3.5	6.0	49	6	4	6.5	10.0	49	8	4	4.0	7.0	38	14	4	6.5	9.5	18	2	2	1.5	2.5
07	154	2	4	12.5	19.5	112	4	4	11.5	18.5	91	5	4	4.0	8.0	57	12	2	3.5	4.5	47	10	6	6.0	10.0	47	4	6	5.0	8.5	44	11	8	6.5	3.5	20	4	4	2.0	3.5
08	152	2	4	12.0	19.0	108	6	6	15.5	22.0	93	4	7	4.0	7.5	59	10	8	2.0	3.5	39	4	6	5.0	7.5	41	6	8	3.0	5.5	43	12	6			22	2	7	3.0	5.0
09	150	4	5	14.0	20.5	109	9	14	15.5	22.5	97	6	11	5.0	9.5	57	11	4	2.0	3.5	39	3	9	2.0	4.5	31	6	3	3.0	5.0	40					22	4	5	3.5	5.0
10	148	6	4	13.5	20.0	110	7	14	14.5	21.0	97	4	11	4.0	8.0	57	11	4	2.0	4.5	37	4	4	2.5	4.5	27	14	5	4.0	6.0	41	8	4			24	4	4	3.5	6.0
11	147	7	3	11.5	18.0	108	12	19	14.0	21.0	93	7	8			59	20	8	1.5	3.5	37	5	7	3.0	5.5	27	4	4			40					24	2	5	2.0	4.5
12	148	5	4	10.0	16.5	110	8	18	11.5	18.0	95	6	9	6.0	11.0	57	11	5	1.0	2.0	37	8	3	2.0	4.0	27	6	6	3.5	5.5	40	10	6			24	3	5	3.5	6.0
13	150	5	6	10.5	16.0	111	9	15	13.0	19.0	95	2	8	7.0	11.5	59	22	4	1.0	2.0	40	6	7	2.0	4.0	29	4	8	2.0	5.0	44	10	10			24	2	6	3.5	6.0
14	148	6	4	9.0	15.0	112	8	16	11.5	16.5	95	6	8	6.0	11.5	61	17	7	1.0	2.5	39	7	5	4.0	6.0	33	4	6	2.0	4.0	47	8	4	3.0	5.5	24	3	4	3.0	6.0
15	149	8	3	9.5	15.0	108	12	10	10.0	16.5	93	8	6	4.0	8.5	65	16	8	1.5	3.5	41	6	4	4.0	6.0	45	7	9	4.5	7.5	46	8	8	3.0	5.0	22	7	3	2.5	4.5
16	150	6	4	10.0	15.5	110	8	10	12.0	19.0	92	7	9	4.0	7.0	71	16	8	2.0	3.5	43	4	6	3.5	7.0	47	12	7	4.0	8.0	44	11	8	3.0	5.5	20	5	2	2.0	3.5
17	150	7	4	8.5	14.0	113	7	5	10.0	16.5	93	5	6	5.0	9.0	75	19	8	1.5	3.5	49	16	7	4.0	7.0	49	7	4	7.0	11.0	46	8	6	4.0	7.0	20	0	3	1.0	2.5
18	150	9	2	8.0	13.5	116	8	8	9.5	15.5	98	6	8	4.0	8.0	81	10	13	2.5	4.0	53	8	6	4.0	7.0	51	7	8	3.0	6.0	44	8	10	3.0	6.0	20	0	3	1.0	2.5
19	152	8	4	8.0	13.5	118	7	9	10.0	15.5	99	4	6	5.0	9.0	79	14	11	1.0	4.5	52	8	6	3.5	7.0	49	6	5	4.0	6.5	34	12	3	4.0	6.0	20	0	3	1.0	3.0
20	152	4	2	8.5	13.0	118	6	10	11.0	16.5	97	6	5	6.0	11.0	77	13	6	2.0	6.5	55	4	4	4.0	7.0	51	6	8	4.0	8.0	32	12	2	3.0	6.5	19	1	3	1.5	3.0
21	154	3	4	8.5	14.0	120	4	12	10.0	16.5	101	8	8	3.5	9.0	80	14	9	3.0	6.0	55	6	10	4.5	8.0	51	6	6	3.0	6.5	32	10	2	3.0	5.0	18	2	2	1.5	3.0
22	154	4	2	8.0	13.0	120	5	8	9.0	14.0	101	5	6	5.0	8.5	77	18	6	5.0	8.5	55	7	4	4.0	8.0	51	6	8	3.5	7.0	32	11	2	3.0	5.0	18	2	2	1.0	3.0
23	153	5	3	8.0	14.0	120	4	8	8.0	13.0	101	7	6	6.0	12.0	75	14	4	7.5	11.5	53	6	4	5.0	8.5	51	6	6	5.0	8.0	34	8	2	2.5	4.5	18	2	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

MONTH-HOUR VALUES OF RADIO NOISE

Station Front Royal, Virginia Lat. 38.8 N Long. 78.2 W Month September 19 61

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	113	8	5			93	6	4			73	7	5		
01	114	6	6			93	7	6			73	7	6		
02	113	7	7			93	7	6			73	7	6		
03	113	7	7			93	5	6			73	6	7		
04	116	7	8			92	6	7			71	6	6		
05	113	6	9			85	9	7			69	6	7		
06	103	10	8			64	12	4			47	9	5		
07	99	15	6			62	12	3			42	10	4		
08	100	13	6			60	11	3			33	7	4		
09	101	11	7			60	12	2			30	10	2		
10	102	11	8			60	13	2			30	9	2		
11	105	17	11			61	29	3			30	26	2		
12	100	25	7			63	37	3			32	33	2		
13	105	28	10			66	41	6			33	37	2		
14	107	28	9			68	41	3			34	38	3		
15	110	26	13			71	38	10			38	36	7		
16	112	20	16			72	30	12			42	24	8		
17	111	18	15			74	28	16			49	23	9		
18	110	19	11			75	27	13			64	12	12		
19	114	12	9			86	14	10			70	8	9		
20	116	7	9			91	8	8			73	6	6		
21	115	8	7			92	7	5			73	8	7		
22	115	7	7			93	7	6			73	7	6		
23	114	7	6			93	6	6			73	7	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	64	3	3			42	4	2			22	1	0												
01	64	3	5			42	3	2			22	1	1												
02	63	3	4			41	3	3			22	0	1												
03	63	3	4			40	4	2			22	0	1												
04	63	4	3			40	2	4			21	1	1												
05	61	5	2			39	5	3			21	1	1												
06	51	7	3			41	3	2			21	1	1												
07	44	5	5			41	5	3			22	1	1												
08	33	8	4			39	5	3			22	2	1												
09	30	7	3			37	7	3			22	1	1												
10	28	6	2			36	5	3			22	1	1												
11	27	19	2			34	8	2			22	2	1												
12	30	21	3			35	8	1			24	2	0												
13	31	26	4			38	8	4			26	3	2												
14	35	23	6			42	7	5			27	3	3												
15	39	22	9			44	8	5			28	4	3												
16	45	16	8			46	8	3			28	2	2												
17	52	13	5			49	5	3			29	1	2												
18	63	4	8			52	4	4			29	3	3												
19	66	3	7			53	3	3			28	2	2												
20	67	2	7			49	5	2			24	2	1												
21	65	4	5			47	7	2			23	1	1												
22	65	4	6			45	3	3			23	1	1												
23	63	5	3			43	3	2			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

MONTH-HOUR VALUES OF RADIO NOISE

Station Front Royal, Virginia Lat. 38.8 N Long. 78.2 W Month October 19 61

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_{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	109	9	4			88	9	4			66	10	7			59	8	5			40	6	1			22	1	1											
01	109	9	3			87	11	2			64	12	5			59	8	6			41	4	3			22	1	0											
02	107	8	2			87	9	2			65	9	6			59	7	7			41	3	4			22	1	0											
03	107	8	4			85	9	1			64	7	6			59	7	8			40	3	3			22	1	1											
04	105	8	5			82	8	6			60	10	7			58	5	7			38	2	4			22	1	1											
05	103	9	4			77	12	3			58	12	5			56	5	6			37	3	2			22	1	1											
06	96	9	7			62	9	5			51	8	6			52	7	3			38	3	3			22	1	1											
07	94	10	8			57	6	4			41	4	8			45	6	5			40	5	3			23	1	1											
08	92	11	7			57	3	3			34	5	6			36	5	5			39	4	3			23	2	0											
09	91	9	6			57	6	3			32	6	4			33	5	4			38	3	4			24	2	1											
10	90	11	6			58	4	3			30	6	2			30	3	2			37	3	3			24	2	1											
11	89	11	4			57	6	2			30	4	2			29	3	2			36	4	2			24	2	1											
12	90	16	4			57	4	2			31	3	1			28	5	1			37	3	3			24	3	1											
13	90	15	4			57	5	2			31	4	2			29	6	2			39	2	4			25	2	1											
14	90	15	3			58	7	3			32	4	2			31	10	3			41	4	5			25	3	0											
15	92	16	5			57	10	2			33	17	2			37	11	6			44	3	6			26	2	1											
16	95	14	7			61	11	3			38	15	5			45	7	7			48	3	5			28	1	2											
17	99	13	7			63	18	5			49	13	7			50	8	4			50	2	5			27	2	2											
18	101	9	4			77	15	13			59	8	7			57	5	6			49	3	6			26	1	2											
19	106	9	5			80	13	6			60	7	6			58	6	5			47	2	6			25	1	1											
20	108	8	4			85	6	5			64	8	5			60	6	5			44	4	5			24	0	1											
21	107	10	3			86	6	7			65	8	4			59	8	4			42	5	3			24	0	1											
22	109	9	4			88	7	7			66	8	4			59	9	3			40	6	1			23	1	1											
23	110	10	5			88	8	5			66	10	5			60	8	5			41	4	2			23	1	1											

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 Front Royal, Virginia Lat. 38.8 N Long. 78.2 W Month November 1961

Hour (LST)	Frequency (Mc) .135 Fam	Du	Dℓ	Vdm	Ldm	.500 Fam	Du	Dℓ	Vdm	Ldm	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	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	105	8	7			84	7	5			61	9	4			57	5	5			37	2	2			22	1	1												
01	105	8	7			85	6	6			61	8	4			57	7	5			37	1	2			22	1	1												
02	103	12	5			83	8	4			60	10	3			56	6	4			36	2	1			22	1	1												
03	104	9	7			83	6	4			60	9	4			56	6	4			37	1	2			22	1	1												
04	100	12	6			77	10	6			58	7	4			54	8	3			38	2	1			22	1	1												
05	99	9	7			73	10	9			55	9	5			52	8	4			39	1	2			22	1	0												
06	92	12	5			62	15	5			51	10	4			49	7	4			38	2	1			23	0	1												
07	88	9	4			56	5	3			41	5	7			45	4	4			39	6	1			23	1	1												
08	86	9	3			54	6	3			38	6	4			34	4	2			40	4	2			23	1	1												
09	87	8	4			55	6	3			35	5	2			31	5	3			39	3	3			24	1	2												
10	86	9	3			55	7	2			34	4	2			29	5	2			39	2	3			24	2	1												
11	85	10	3			55	5	2			34	4	2			28	5	2			38	3	2			24	2	0												
12	85	11	2			56	4	2			32	4	2			30	4	2			40	3	2			28	1	1												
13	85	13	2			56	5	1			32	4	2			33	5	3			41	3	3			28	1	1												
14	86	11	3			56	6	2			33	4	3			34	5	3			42	3	2			28	1	1												
15	86	9	3			57	5	2			35	5	3			38	5	4			45	2	3			28	2	0												
16	89	12	2			58	7	2			42	5	6			42	7	6			43	3	4			29	0	2												
17	95	10	4			64	7	5			52	6	6			50	5	6			44	4	3			28	1	1												
18	99	8	4			74	7	9			56	8	3			52	6	5			43	2	4			27	1	1												
19	102	7	7			79	5	10			58	8	4			53	5	5			39	4	2			27	0	1												
20	102	7	5			82	9	7			60	6	6			55	5	3			37	5	2			23	1	1												
21	103	7	6			83	8	7			61	6	6			56	4	4			37	2	2			23	1	1												
22	103	8	5			84	9	7			62	8	7			56	4	3			37	2	2			23	1	1												
23	105	8	6			85	6	6			62	7	6			56	4	2			37	2	2			22	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 Ibadan, Nigeria Lat. 7.4 N Long. 3.9 E Month September 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	8	4	9.0	14.5	126	5	7	7.0	14.0	101	4	6	6.0	14.0	93	6	6	7.0	14.0	62	9	18	4.0	9.5	58	4	9	4.0	8.5	44	4	7	4.0	8.0	34	6	8		
01	135	4	2	8.0	14.0	122	7	3	8.5	15.5	99	6	4	7.5	14.0	93	6	7	6.5	16.5	61	10	15	5.5	11.0	56	5	4	4.0	8.0	44	4	8	4.0	8.5	32	9	4		
02	133	6	2	10.0	15.0	121	5	10	8.0	12.0	99	6	10	7.5	14.0	94	3	18	6.5	16.5	61	6	13	5.0	11.0	56	4	20	5.0	10.0	43	5	12	4.0	8.0	30	11	4		
03	132	5	1	9.5	14.5	120	4	9	9.5	15.0	98	5	5	7.5	15.5	92	6	18	6.0	13.5	59	4	15	6.0	12.0	54	5	22	5.0	9.5	44	4	8	4.0	8.5	30	10	6		
04	132	5	4	10.0	16.0	116	8	6	8.5	16.0	93	10	6	8.5	17.5	88	8	7	9.5	18.0	59	6	11	6.0	13.0	54	4	9	6.0	10.0	42	4	8	5.0	8.5	30	10	6	0.5	3.0
05	131	5	10	11.0	17.0	114	5	11	8.0	12.0	91			6.0	10.5	76	14	13	3.0	8.5	51	11	15	8.0	14.0	52	6	9	4.0	10.5	40	5	8	4.0	7.5	28	12	4	1.0	4.0
06	123	9	11	10.5	18.0	108	8	14	11.0	16.0	74			2.5	8.0	66	20	14	5.0	7.0	36	15	10			44	9	8	7.5	7.5	38	5	9	5.5	9.5	30	10	4		
07	121	11	7	13.5	22.0	106	7	12	2.5	5.5	73	19	21			64	20	6	2.0	8.0	35			5.0	8.5	36	11	12		14.0	33	6	10	5.5	10.5	31	7	5	2.0	5.0
08	119	8	9	13.5	22.5	98	14	4	4.0	6.0	71	21	14	6.0	10.0	64			3.5	10.0	31	8	2	6.0	9.0	28	18	6			28	8	8			33	6	5		
09	119	8	6	12.0	21.0	100	12	13	5.5	7.5	63			3.0	9.5	64			5.5	13.0	33	7	10			26	12	6			24	10	8	10.5	15.5	28	8	2		
10	121	6	8	12.0	19.5	103	7	10	4.0	8.0	71	16	10	13.0	21.0	65	21	3	3.0	10.0	31					26	13	6			26	4	4	4.0	7.5	28	7	4		
11	123	7	5	10.0	16.0	106	10	10			75	14	14	6.0	11.5	68	14	8			33	10	4			30	14	9			28	10	8			30	6	8		
12	129	6	5	9.5	14.0	112	10	6	6.5	11.0	81			8.5	15.0	72	18	18	6.5	10.5	35					32					30	5	10	8.0	11.5	30	7	5		
13	131	8	4	6.5	13.5	114	12	3	7.5	13.0	92	11	19	11.0	20.5	82	21	16	16.5	27.5	41	16	15	8.0	12.5	31	13	6			34	6	10	8.0	13.0	30	8	3		
14	133	8	3	7.5	13.0	120	9	5	9.0	14.0	91	14	11	13.0	21.0	84	15	14	14.5	22.0	41	20	12	5.5	10.0	38	10	12			38	4	8	5.0	9.0	33	6	3		
15	138	4	7	8.0	15.0	120	11	5	7.5	13.0	97	13	9	11.0	18.5	86	20	15	3.5	9.0	48	11	15	8.0	12.0	44	8	14	6.5	12.0	42	4	8	3.0	7.0	34	6	2		
16	137	5	5	9.5	16.5	124	6	8	11.0	17.0	96	13	7	14.0	24.0	87	20	11	3.0	9.0	50	17	14	5.0	9.0	49	9	9	6.0	10.5	46	4	11	3.5	7.0	35	5	3		
17	137	8	4	10.0	16.0	123	8	9	5.5	12.5	99	11	10	6.0	12.0	90	13	7	6.0	10.0	59	10	12	3.5	8.0	56	4	11	3.0	7.0	48	2	7	4.0	7.5	36	4	4		
18	137	10	4	8.5	15.0	126	8	6	8.0	14.0	99	11	6	7.0	12.0	94	14	6	4.0	10.0	67	5	10	3.5	7.0	60	4	13	3.0	6.5	48	4	13	3.0	7.0	30	8	4		
19	138	8	4	8.5	16.0	126	5	7	9.0	13.5	101	10	8	4.0	8.5	92	13	4	5.0	9.0	69	4	27	3.0	7.0	60	4	7	4.5	8.5	46	2	11	3.0	7.0	32	8	8		
20	139	5	4	7.0	15.5	126	4	5	6.0	13.0	100	5	6	4.0	10.0	93	11	5	4.0	8.5	69	4	10	3.0	7.0	62	5	8	3.5	7.0	46	4	5	3.5	6.5	34	6	8		
21	139	4	4	9.0	15.5	126	5	6	7.5	14.5	99	8	4	5.0	12.0	94	5	8	5.0	11.0	68	5	13	3.5	7.5	62	4	8	4.0	8.5	46	4	6	3.5	7.0	34	4	6		
22	139	5	4	8.0	16.0	124	5	5	9.0	13.5	101	6	6	6.0	12.5	94	6	4	4.5	11.5	67	6	9	4.0	8.5	58	6	8	3.5	7.5	46	2	8	3.5	6.5	34	4	6		
23	137	7	3	9.0	15.5	124	7	6	6.5	11.5	99	8	3	6.0	13.0	94	9	8	6.0	11.5	65	8	11	6.5	12.5	58	4	10	4.0	8.5	46	4	4	4.0	7.0	32	6	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 October 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	Fom	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	136	4	6	9.5	16.0	122	5	6	*8.0	*15.5	105	7	8	8.0	16.0	88	3	4	*7.5	*14.5	63	11	9	5.0	9.5	58	2	6	5.0	9.5	45	2	4	4.5	8.5	28	4	2	2.5	5.0
01	136	5	7	*8.0	*15.0	122	6	9	9.0	15.0	103	4	6	*7.5	*15.5	86	10	5	6.5	14.5	62	10	6	7.0	11.5	58	4	4	5.0	10.0	45	2	6	3.5	7.5	29	1	2	2.5	6.0
02	134	4	4	10.0	16.0	120	5	9	*7.5	*14.0	102	6	8	9.0	17.5	86	8	7	*8.5	*18.5	*64			6.5	14.0	*58			5.0	10.0	*43			4.5	8.5	28	0	4	1.5	4.0
03	134	2	6	10.5	17.5	119	4	7	*10.0	*15.0	99	4	4	*9.5	*17.5	86	6	7	*8.5	*19.0	64	4	14	6.0	11.5	58	4	6	6.0	11.5	*44			4.0	8.0	26	2	2	1.0	3.0
04	132	5	4	*11.0	18.0	116	6	7	11.0	16.5	99	5	8	11.5	22.5	84	6	15	*11.5	*20.0	62	8	10	6.0	12.0	56	4	6	4.0	10.0	41	4	2	2.5	6.0	24	4	4	1.0	2.5
05	130	6	4	10.0	16.0	112	4	8	*11.0	*16.0	*91			*16.0	*26.0	*76					58	8	16			*56					41	2	2	6.0	11.5	26	4	2	1.0	3.0
06	126	6	8	*13.0	*19.5	108	8	8	*7.0	*8.0	*84			*15.0	*26.0	*76			*15.5	*28.0	44	12	14	7.5	14.0	*52			8.5	14.0	*38			6.0	9.5	28	4	4	2.5	5.5
07	118	16	8	*12.5	*20.5	107	11	9	*13.5	*20.0	*84			*16.0	*26.0	*68			*12.5	*24.0	42	4	10	7.5	10.5	*46					*37			9.0	15.5	*28				
08	116	14	5	*13.0	*21.0	*106			*6.5	*8.0	*85					*64			*12.0	*20.0	*34					*36					*33					*30				
09	122	12	8	*12.0	*21.5	102	18	4	*7.0	*10.0	*77					*66					*37					*32			9.5	15.0	*31					*26				
10	124	9	10	*11.5	*18.0	*111			*9.0	*13.0	*89					*70			*10.0	*21.0	*38			3.5	6.0	*36					*35					*28			8.0	13.0
11	128	8	10	*12.0	*18.0	*111			*13.0	*20.0	*93			*13.0	*22.0	*81			*9.0	*19.0	*40					*44					*36					*29				
12	*130			*11.5	*18.0	117	7	15	*14.5	*18.0	*98			*11.5	*17.0	87	9	19	*6.5	*12.0	*42					*42					35	8	4			30	2	4		
13	132	12	2	*11.0	*17.5	122	12	8	12.0	19.5	107	14	13	*11.0	*20.5	94	16	15	*9.0	*17.0	*47			7.5	15.0	*45			9.0	16.0	*39			6.0	9.0	32	2	4		
14	142	12	8	11.0	17.5	127	12	6	*11.5	*19.0	113	10	12	*11.0	*19.5	98	14	4	*10.5	*21.0	56	16	14	8.0	15.5	48	6	7	5.0	10.5	41	6	4	5.0	9.0	34	5	4		
15	144	10	6	*10.5	*18.0	132	10	8	*12.0	*19.0	115	13	11	*12.0	*21.5	102	12	10	*12.0	*21.5	64	8	6	6.5	15.0	52	10	4	6.0	12.0	45	9	5	5.5	11.0	36	4	5	3.5	7.0
16	149	8	11	*11.5	*19.0	136	8	9	*12.0	*20.0	121	8	9	*11.0	*20.0	106	9	14	*11.5	*22.5	*66			9.0	16.0	60	10	8	7.5	12.5	49	6	4	3.5	7.5	36	8	4	3.0	7.5
17	147	5	9	9.5	15.5	134	6	12	11.0	17.5	115	11	16	11.0	18.5	100	10	14	8.0	14.0	68	8	15	5.0	11.0	63	7	11	6.5	10.5	49	4	8	3.0	7.0	30	12	6	3.0	6.5
18	144	7	6	8.5	16.5	133	5	11	9.0	14.0	117	9	14	11.0	18.5	102	8	16	10.0	15.5	70	1	29	4.0	7.5	64	4	6	4.5	8.0	45	9	14	3.5	7.0	32	8	9	3.5	5.5
19	143	5	7	8.0	15.5	129	7	9	*8.0	*16.0	115	8	14	*9.0	*17.0	96	16	10	8.0	14.5	70	5	14	4.0	8.0	62	5	20	4.0	8.0	45	8	13	3.5	7.5	28	12	2	1.5	4.0
20	140	10	6	8.5	17.0	126	11	8	*8.5	*16.0	107	16	8	7.0	15.0	90	22	5	6.0	12.0	*71			4.0	8.5	65	3	14	2.5	6.0	45	10	8	4.0	8.0	28	15	2	2.0	5.0
21	140	8	8	9.5	16.5	122	13	7	8.0	14.5	105	12	8	*8.0	*17.0	88	8	4	*5.0	*12.5	*66			5.0	11.0	63	3	7	5.5	10.0	45	6	4	3.0	7.5	29	10	4	2.0	4.0
22	138	8	10	*10.0	*16.0	124	9	10	*10.5	*18.0	107	9	10	*8.0	*16.0	88	14	4	6.0	13.0	64	8	6	4.5	9.5	60	4	7	3.5	8.0	45	2	4	4.0	7.5	28	6	3	1.5	4.5
23	136	6	6	*9.0	*17.0	123	9	8	*10.0	*16.5	107	10	10	8.0	16.0	88	9	4	*5.5	*13.5	63	9	3	5.5	11.0	60	2	8	3.5	8.0	46	3	5	3.0	7.0	30	4	6	1.5	4.0

Fam = 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 Kekaha(Kauai), T. H. Lat. 22.0N Long. 159.7 W Month September 19 61

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	153	4	4	9.5	16.0	128	4	4	10.5	17.0	104	8	3	10.0	16.0	81	12	5	11.0	19.0
01	153	2	3	9.0	16.0	130	4	3	11.0	18.0	105	4	4	10.0	17.0	81	8	4	10.0	18.0
02	153	2	3	10.5	18.0	130	4	2	10.0	16.5	106	3	5	10.5	16.5	82	8	7	10.0	18.5
03	153	2	4	11.5	17.5	130	4	3	11.0	18.5	108	4	5	11.0	19.5	84	5	11	11.5	21.0
04	151	3	2	13.0	20.0	132	3	4	11.5	19.5	107	5	7	11.0	19.0	81	10	8	11.0	19.5
05	151	4	2	12.5	19.5	132	4	4	11.5	20.0	105	5	4	10.5	17.5	80	7	8	12.5	21.5
06	153	4	2	12.0	19.0	129	3	5	12.0	19.0	97	6	4	11.0	18.0	63	9	7	9.5	15.0
07	153	2	4	11.5	18.0	120	4	4	11.0	19.0	77	13	6	9.0	16.0	55	12	8		
08	151	2	4	11.5	19.0	112	6	3	11.5	19.5	73	16	4	10.0	17.5	52	11	5	6.0	9.0
09	150	3	3	11.0	17.0	110	6	5	13.0	19.0	75	14	4	12.0	18.0	51	13	6	6.0	8.0
10	151	3	4	10.5	16.0	110	8	6	16.0	22.0	75	18	4	8.5	16.0	53	17	6	3.5	7.5
11	151	2	2	11.0	16.5	110	9	6	12.0	19.0	73	13	4	9.0	15.0	48	14	3	3.0	4.0
12	151	4	4	9.5	16.0	110	9	6	10.5	17.0	75	9	6	8.0	14.5	49	16	4	1.5	3.5
13	149	4	1	11.0	16.5	112	7	6	12.0	18.0	73	8	6	9.5	16.5	49	14	4	8.5	13.0
14	151	0	4	11.0	17.5	111	7	7	12.5	19.5	73	8	4	9.5	16.0	49	13	4	4.0	6.0
15	149	3	2	12.5	19.0	108	10	4	11.0	18.0	72	11	5	6.5	13.0	49	12	4	3.0	5.0
16	149	4	2	12.0	19.0	106	8	4	11.5	17.5	71	4	6	7.0	12.5	49	8	4	2.0	4.0
17	149	2	4	12.0	18.5	106	7	6	9.0	14.5	71	6	6	5.0	8.5	47	10	2	4.0	6.0
18	149	2	4	10.5	18.0	109	5	3	7.0	13.0	83	5	6	6.0	11.5	55	6	5	3.5	6.0
19	148	3	3	9.5	17.0	115	4	3	7.5	14.0	90	6	7	7.0	14.5	65	10	5	5.0	9.0
20	149	2	2	10.5	17.5	118	4	5	8.0	13.0	93	6	6	9.0	15.0	72	10	6		
21	151	2	4	11.0	17.0	120	5	4	8.0	14.0	95	6	6	8.0	13.5	75	5	6	6.0	10.0
22	151	3	2	10.0	16.5	122	4	3	12.0	17.5	99	6	5	7.5	13.5	77	12	4	14.0	22.5
23	151	4	2	9.5	15.5	126	4	4	10.0	16.5	101	10	2	10.0	16.5	81	13	6	10.0	19.0

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	55	9	2	7.0	11.0	60	6	5	5.0	9.0	40	6	4	4.0	6.0	24	0	2	2.0	3.5
01	56	7	3	6.5	10.5	62	6	7	6.5	11.0	40	4	6	4.0	6.0	22	2	0	2.0	3.5
02	55	6	4	7.0	11.0	64	5	7	4.5	10.0	38	7	5	3.0	5.5	22	2	0	1.0	3.0
03	55	6	4	7.5	10.5	50	18	5	4.5	9.0	36	6	4	3.0	4.5	22	2	0	0.5	2.5
04	55	6	4	6.5	10.5	46	7	3	5.5	9.0	34	8	4	3.0	5.0	22	2	0	1.0	2.5
05	55	5	6	7.0	11.5	48	6	4	5.5	10.0	32	5	2	3.0	5.0	22	1	0	1.0	2.5
06	53	8	5	7.0	12.0	50	4	6	5.0	9.0	32	9	2	5.0	8.0	22	3	0	1.0	2.5
07	41	6	5	5.0	8.0	40	5	5	7.5	11.0	36	2	5	5.0	8.0	22	4	0	2.0	3.5
08	37	7	6	4.0	6.0	27	9	7	6.5	10.0	30	12	4	5.0	8.0	22	0	2	2.0	4.0
09	33	4	2	3.5	5.0	22	4	4	4.0	6.0	22	7	4	3.5	5.0	20	2	0	3.0	5.0
10	33	6	2	3.0	4.5	22	6	3	5.0	8.0	18	5	3	6.5	9.5	20	2	0	2.0	4.0
11	31	4	2	3.0	4.5	22	4	4	6.0	8.0	16	3	4	6.0	9.0	18	4	0	2.0	4.0
12	31	4	2	2.0	4.0	20	6	2	4.0	6.0	16	5	4			20	2	2	2.5	5.0
13	31	2	2	2.0	3.5	22	4	3	2.5	4.0	16	6	4			21	1	1	2.0	4.0
14	31	5	2	2.0	4.5	22	6	4			17	7	5	5.0	8.0	22	2	1	3.5	5.5
15	31	4	2	3.0	5.0	22	6	4			22	8	4			24	2	2	1.5	4.0
16	33	2	4	3.0	5.0	22	14	4			30	4	4	4.5	7.0	24	2	2	2.0	4.0
17	31	6	2	2.5	5.0	28	7	6			36	2	3	4.0	6.5	24	2	2	2.0	4.0
18	35	6	4	3.0	5.0	40	4	5			38	4	2	4.5	7.0	24	2	2	1.5	3.5
19	43	6	4	4.0	5.5	44	5	5	6.5	10.0	40	2	5	3.5	6.0	24	2	0	2.0	4.0
20	49	7	4	6.0	10.0	47	3	4	6.0	10.5	38	4	2	3.0	5.0	24	2	2	2.0	3.5
21	53	4	4	5.5	8.0	49	3	5	5.0	10.0	38	3	3	3.0	5.0	24	1	2	2.0	3.5
22	55	4	4	6.5	12.0	48	3	3	6.0	9.0	38	3	3	4.0	6.0	24	1	2	2.0	3.5
23	55	7	3	6.0	12.0	50	3	4	4.5	8.0	40	5	3	3.5	5.0	24	0	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

MONTH-HOUR VALUES OF RADIO NOISE

Station Kekaha(Kauai), T.H. Lat. 22.0N Long. 159.7W Month October 19 61

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	6	2	12.0	19.5*	130	8	5	12.0	19.0	108	8	8	12.5	22.0	89	10	8	12.5*	24.0*	59	8	4	5.5	8.5	59	4	10	6.0*	9.5*	37	7	4	3.5	5.5	23	0	2	1.5	3.5
01	151	4	2	11.0	18.0	132	5	6	11.5	19.0	110	6	7	12.0*	20.0	87	10	7	12.0	22.5	59	9	6	6.5	11.5	59	6	6	6.5*	10.5*	37	5	4	3.5	5.0	21	2	0	2.0	3.5
02	151	5	2	11.5*	18.5*	132	5	4	10.5	18.5	109	7	7	12.0	20.0	89	8	11	13.0	22.5	59	9	6	8.0	12.0	59	6	6	8.0*	11.5*	35	4	4	3.5	6.0	21	2	0	2.0	3.5
03	151	5	2	12.0*	19.5*	132	6	3	13.5	22.0	110	5	6	12.0	20.0	88	9	7	11.5*	22.5*	59	8	6	7.5	11.5	51	14	6	6.5*	11.0*	33	7	2	3.0	5.0	21	2	0	1.5	3.0
04	153	4	4	12.5	20.5	132	5	4	13.0	22.5	110	5	6	12.5	22.0	89	8	11	13.5*	25.0*	59	6	7	7.5	11.0	47	5	4	7.5	11.0	33	6	2	3.0	6.0	21	2	0	1.0	3.0
05	153	4	5	13.5	20.5	134	4	6	11.0	20.0	110	6	8	12.5	22.5	89	8	14	12.5*	25.0*	59	6	8	8.5	13.0	47	6	3	6.0	9.5*	31	5	2	2.5	4.5	21	2	0	1.5	3.0
06	153	4	3	12.0	19.5	132	5	4	12.5	22.0	102	10	6	10.5	19.0	73	14	9	12.0*	20.0*	57	10	5	9.0	13.5	49	6	4	5.0*	9.0*	33	6	3	3.5	5.5	23	0	2	2.0	3.5
07	153	2	4	11.0	18.5*	122	8	2	11.5	19.0	80	28	7	14.5	22.0	55	23	6	7.5*	12.0*	48	3	9	5.0*	7.5*	43	7	4	8.0*	12.5*	37	5	4	4.0	6.5	23	3	2	1.5	3.0
08	149	5	4	12.0	18.5	118	10	8	14.5	23.0	76	31	6	14.0*	22.0*	57	24	8	7.5*	11.0*	39	7	5	4.0	7.0	33	10	8	10.5*	15.0*	33	6	6	4.5*	6.0*	21	4	2	2.5	4.0
09	149	6	2	12.0	19.5	110	14	8	16.5*	25.0*	79	23	8	13.0*	22.0*	57	21	8	5.0*	8.0*	37	3	4	2.5	4.0	25	7	5	4.0	6.0	25	8	4	7.0*	11.0*	21	2	2	2.5	4.0
10	149	4	2	10.0*	16.0*	109	16	9	15.0	24.5	82	13	11	16.0	24.0	55	16	6	6.5*	12.0*	33	10	2	2.0	4.0	25	5	6	13.0*	20.0*	23	4	6	6.0*	10.5*	21	2	2	3.0*	5.0*
11	149	6	4	13.0	20.0	110	14	10	17.5*	26.0*	80	18	10	15.0*	25.0*	55	22	8	8.5*	12.0*	35	6	4	3.0	4.5	23	8	4	9.0*	14.0*	21	8	6	11.5*	15.0*	19	4	0	2.0*	4.0*
12	150	3	5	14.0	21.0	112	12	9	16.5*	25.5*	80	18	10	16.5*	27.0*	55	17	8	4.5*	7.0*	33	8	3	4.5*	6.5*	23	7	4	8.5*	12.5*	21	8	7	7.5*	10.0*	19	4	0	3.0	5.0
13	150	3	4	13.5	21.0	115	8	11	16.5*	27.0*	84	14	14	14.0*	24.0*	59	16	12	15.0*	20.5*	33	8	2	3.0	4.5	21	9	4			23	6	10	13.0*	16.5*	21	2	2	3.0*	4.5*
14	149	4	2	14.5	22.5	116	10	10	16.0*	26.5*	84	21	14	17.0*	29.0*	55	29	6	10.5*	21.5*	34	9	3	3.5	5.0	25	6	8	9.0*	13.0*	23	6	6	6.0*	8.0*	21	4	2	3.5	5.0
15	149	4	4	15.0	23.0	114	16	10	16.0	28.0	79	29	9	16.0*	25.5*	55	33	10			35	8	4	4.0	6.5	26	11	5	11.0*	16.5*	27	10	4	4.5*	6.5*	22	2	1	3.5*	5.0*
16	149	4	4	15.0	24.0	114	10	11	15.0*	25.0*	71	26	4	14.0*	26.0*	55	22	6	18.5*	28.0*	35	10	4	4.0*	7.5*	25	14	4	11.0*	19.0*	31	5	2	6.0*	8.0*	23	4	4	3.0	5.0
17	149	4	4	16.0	23.5	112	6	8	14.0	22.0	80	25	5	15.0*	22.0*	57	20	8	6.0*	10.0*	37	12	5	4.5	7.0	37	7	8	9.0*	14.5*	36	6	3	4.5*	8.5*	23	2	2	2.5	4.0
18	149	2	3	13.0	21.5	114	7	4	12.5	20.0	88	8	5	12.5*	19.0*	67	14	8	7.0*	10.0*	45	9	6	4.0	6.0	43	6	6	9.0*	13.0*	39	4	5	4.5	6.0	23	2	2	2.5	4.0
19	149	2	4	11.5	19.5	118	8	4	13.0*	22.0*	97	9	5	15.0*	24.0*	80	8	9	13.5*	22.0*	51	8	5	5.5*	9.0*	47	8	6	7.5*	13.0*	39	4	4	3.0*	5.5*	23	3	2	2.0	4.0
20	151	2	4	12.5	20.0	122	6	4	13.5*	22.0*	102	8	10	14.5*	24.0*	83	11	3	14.5*	25.0*	59	4	8	8.0	12.0	49	6	7	6.5	10.0	39	4	4	3.5*	5.5*	23	3	0	2.0	4.0
21	151	6	4	11.5	19.0	124	8	6	15.0*	23.5*	102	14	8	13.0*	24.0*	85	11	9	12.5	23.0	59	8	8	9.0	13.5	49	7	6	7.0*	11.0*	39	5	3	3.0	5.0	23	2	2	2.0	3.5
22	151	6	2	12.5	19.5	128	6	7	13.0	20.5	106	9	10	11.0*	21.0*	89	10	11	12.0	21.0	60	8	7	8.5	12.5	49	7	4	6.0	10.0	39	6	2	3.5	5.5	23	2	1	1.5	3.0
23	151	8	3	11.0*	18.0*	130	8	7	15.5*	23.0*	104	13	4	11.0	19.5	87	10	6	10.5*	22.0*	59	9	3	7.5*	12.0*	49	8	4	6.0	11.0	39	4	4	3.5	5.5	23	1	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

USCOMM-NBS-DC

MONTH-HOUR VALUES OF RADIO NOISE

Station Kekaha(Kauai), T. H. Lat. 22.0 N Long. 159.7 W Month November 19 61

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_{om}	D_u	D_ℓ	V_{dm}	L_{dm}
00	153	2	2	10.0	16.0	129	4	4	10.0	16.5	104	8	5	10.0	17.5	83	9	7	12.0	21.5	57	8	5	7.0	11.0	58	5	8	6.0	10.5	36	10	3	3.5	5.5	23	0	2	1.5	3.5
01	153	3	2	10.5	16.5	131	6	3	11.5	18.5	106	7	5	10.0	17.0	83	12	6	11.0	20.0	57	8	4	8.5	13.0	58	10	6	9.0	9.0	36	7	4	4.0	6.0	23	2	2	2.0	3.5
02	153	2	2	11.5	18.0	131	3	2	11.0	18.5	106	8	5	11.0	18.5	83	12	6	13.0	22.0	57	8	5	7.5	12.0	58	7	7	5.0	10.0	34	7	1	3.5	6.0	23	0	2	1.5	3.5
03	153	3	2	11.5	17.5	131	4	2	12.0	19.0	108	8	5	11.5	18.0	85	10	9	10.5	18.0	55	12	4	8.5	14.5	52	11	5	6.0	10.0	34	7	3	3.0	5.0	23	0	2	1.5	3.5
04	153	2	2	10.0	16.5	131	3	2	11.0	18.0	106	8	4	12.5	20.5	81	14	6	11.0	20.5	57	9	7	7.0	12.0	50	2	4	6.5	10.5	32	5	2	3.5	5.5	23	0	2	2.0	3.5
05	153	4	1	10.5	17.0	131	4	2	11.0	19.0	108	6	8	11.5	19.0	83	12	11	13.0	23.5	58	9	7	8.0	14.0	48	5	3	6.0	9.5	32	2	4	2.5	4.5	23	0	0	1.5	3.0
06	155	2	2	11.0	17.0	131	4	2	11.0	18.0	104	9	7	12.0	20.0	75	15	10	12.0	23.0	57	6	8	8.5	13.5	50	5	5	6.0	9.5	32	2	2	3.0	4.5	23	1	0	1.5	3.0
07	155	2	4	11.0	17.5	123	4	2	11.0	18.0	84	18	8	15.0	25.0	55	24	4	13.5	24.0	49	8	5	8.0	11.0	50	4	6	5.5	11.0	38	4	4	4.0	6.5	23	2	0	2.0	3.0
08	151	2	2	11.0	17.5	117	8	4	13.5	21.0	74	26	4	11.5	23.0	54	15	7	4.0	5.5	39	13	4	4.0	6.0	38	10	8	8.5	13.5	34	8	6	4.5	7.5	23	0	2	3.0	4.5
09	149	4	2	11.5	17.5	107	12	5	14.0	21.5	74	23	4	15.5	28.0	53	28	4	11.0	23.5	35	10	3	4.0	6.0	26	12	7	6.5	9.0	28	7	6	7.0	11.0	23	0	2	3.0	5.0
10	149	6	2	11.5	18.0	107	15	8	14.5	20.5	78	26	6	14.5	24.0	55	30	5	6.5	9.5	33	10	2	3.0	5.0	24	12	3	10.0	14.5	26	6	9	6.0	9.0	21	2	1	2.5	4.5
11	149	6	2	11.0	17.0	105	18	4	17.5	25.0	76	26	4	11.0	21.0	53	28	6	8.5	15.5	33	4	4	4.0	6.0	24	11	4			24	10	8	4.5	7.5	21	0	2	2.0	3.5
12	149	4	2	13.0	19.5	107	20	6	16.0	24.0	79	26	7	10.0	19.5	53	17	4	11.0	22.0	33	6	4	4.0	6.0	24	13	4			22	10	8	11.0	16.0	21	2	2		
13	149	6	2	14.5	21.0	109	16	8	16.0	24.5	76	18	4	11.0	18.0	53	9	6	8.5	11.0	33	8	6	3.0	5.0	24	9	4			22	10	8	12.5	10.0	21	2	0	2.5	4.0
14	151	2	4	15.0	22.0	107	16	6	16.0	23.5	74	20	4	13.0	23.0	53	20	4	6.0	7.5	33	8	4	3.0	4.5	24	8	4	9.5	13.5	24	8	6			23	2	2	3.0	5.0
15	149	6	4	14.0	21.5	105	14	4	16.0	24.0	72	23	2	9.5	16.5	51	19	6	8.5	11.5	33	4	4	2.5	4.0	24	10	6	12.0	17.0	28	6	4	5.0	7.5	23	2	0	2.5	4.0
16	149	4	4	14.0	21.0	105	8	6	13.5	18.0	72	18	2	8.5	15.5	53	12	6	4.0	6.0	33	6	4	3.0	4.5	30	10	8			32	4	4	7.0	11.0	23	4	0	3.0	5.0
17	147	4	2	13.5	20.0	103	13	5	12.0	16.5	76	16	4	10.0	16.5	55	10	6	3.5	6.0	35	6	4	3.0	5.0	38	9	5	10.0	16.0	36	4	4	3.5	6.0	23	3	0	2.5	4.5
18	147	3	2	10.0	16.5	109	12	6	10.0	15.5	82	14	8	12.5	21.0	63	18	6			42	9	8	5.0	7.0	43	5	7	10.5	15.0	34	4	2	4.0	6.0	24	1	1	2.0	3.5
19	149	2	2	9.0	15.0	111	11	4	12.0	18.5	90	13	12	14.0	24.0	71	11	10	12.5	22.0	48	13	8	9.5	15.0	44	8	5	8.0	12.5	34	3	2	3.0	5.0	24	1	1	2.0	3.5
20	151	2	2	8.0	13.5	117	10	6	13.0	19.0	92	16	8	12.5	24.5	77	13	11	14.0	26.0	52	10	8	9.5	15.0	46	8	4	7.0	11.5	34	6	2	3.5	6.0	23	2	0	1.5	3.5
21	151	4	1	8.0	13.5	121	8	6	13.5	20.0	98	12	10	13.0	24.0	81	11	9	12.5	22.0	54	9	7	9.5	15.0	46	8	2	7.5	13.0	38	8	4	4.5	7.0	23	2	0	1.5	3.0
22	151	4	1	8.0	14.0	125	6	3	11.0	18.0	100	12	6	11.5	20.5	79	15	6	10.0	20.5	55	11	6	9.5	14.5	49	5	3	6.0	9.5	40	8	5	3.0	6.0	23	2	0	1.5	3.0
23	153	2	2	8.5	14.0	127	4	2	10.0	16.5	104	9	7	9.5	19.5	83	10	10	9.5	20.0	57	10	6	8.5	13.5	50	6	4	5.0	9.0	38	8	4	4.0	6.0	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

MONTH-HOUR VALUES OF RADIO NOISE

Station New Delhi, India Lat. 28.8 N Long. 77.3 E Month February 19 61

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	159	4	4	7.0	12.0	128	4	4	10.0	14.0	103	5	2	8.5	12.0	81	5	4	6.0	9.5	56	11	6	4.0	7.5	59	23	10	4.5	7.5	40	25	5	3.5	6.0	27	2	2	3.0	4.0
01	159	4	4	7.5	12.0	128	3	4	10.5	15.5	103	5	4	9.0	14.5	81	8	4			56	9	6	5.0	7.5	59	14	6	4.0	7.5	39	10	2	5.0	8.0	27	4	0	3.0	4.0
02	159	2	4			129	4	5	10.0	15.0	103	5	5	4.5	6.5	81	7	4	3.0	5.0	54	20	4	4.0	6.5	57	16	5	4.5	7.5	41	4	4	4.5	7.5	27	2	0	2.0	3.0
03	159	2	4			129	3	7	10.5	16.0	99	6	5	7.0	13.0	79	7	3	8.0	11.5	54	18	4	4.0	7.5	57	11	6	5.0	7.0	39	6	6	4.5	7.0	27	2	0	1.5	2.5
04	159	2	4	9.5	14.5	126	5	5	10.5	16.0	97	7	4	7.5	14.0	79	7	6	7.5	10.0	57	15	7	5.0	7.5	56	13	6	5.0	8.0	37	6	4	3.5	5.5	29	0	2	1.5	3.5
05	*159			10.5	16.0	124	7	5	10.5	15.0	101	4	4	8.5	12.5	79	7	8	2.0	3.5	56	16	6	5.5	10.0	55	10	8	5.5	8.0	35	9	2	4.5	5.5	29	2	2	2.0	3.5
06	*159			10.5	16.0	120	7	4	10.0	15.5	92	7	3	8.0	13.5	75	8	8	3.5	5.5	54	14	6	6.0	9.0	55	7	7	5.0	8.0	39	8	4	4.0	6.0	29	2	2	2.0	2.5
07	*155					114	6	6	6.5	11.0	91	3	7	3.5	6.0	72	9	8	3.0	4.5	47	15	5	5.5	7.5	47	16	6	5.5	8.0	43	4	2	4.5	5.5	29	4	2	3.0	4.0
08	*153			10.5	14.5	110	8	8	9.0	12.5	88	5	3	5.0	9.0	70	11	5	3.5	5.5	45	16	11	6.0	8.0	38	13	8	4.0	5.5	39	4	5	6.5	9.5	29	5	3	3.0	3.5
09	*153					*110					*89			6.5	10.0	72	9	9	3.5	6.0	38	18	6	2.5	5.5	*33			3.0	4.5	*37			5.0	8.5	29	5	2	3.5	5.5
10	*153					*110					*88			9.5	15.0	69	16	4	3.5	6.0	36	18	4	2.5	4.0	*33			5.5	8.5	*36					29	4	3	4.0	5.5
11	*153			10.5	14.5	110	13	6	10.0	14.0	*90			4.5	9.0	71	16	8	1.5	3.5	36	21	6	6.0	9.0	*29			5.5	10.5	*35			4.0	8.5	*31			8.5	10.0
12	152	7	3			110	24	5	11.0	14.5	91	30	6			75	18	6	1.5	3.5	*38			5.5	7.5	*32			5.0	8.5	37	14	8	8.5	14.0	31	8	4	4.0	3.5
13	151	14	2	9.5	13.5	112	17	6	13.0	18.5	95	25	10			73	19	6	2.5	4.0	42	19	10	6.0	9.5	31	25	4	6.0	9.5	37	14	6	5.5	9.0	31	5	5	3.0	5.0
14	152	12	3	9.5	13.5	110	22	4	8.0	13.5	91	30	8	2.5	6.5	71	24	4	2.0	3.5	42	17	9	4.5	8.0	32	18	4	7.5	10.5	37	16	4	7.5	10.5	31	6	2	4.0	6.5
15	*153			9.5	14.0	110	29	4	9.0	13.5	91	28	10	6.5	9.0	72	17	6	2.5	4.5	44	20	7	7.5	11.0	45	32	5	8.0	12.5	41	12	4	5.0	9.0	31	6	3	3.5	4.5
16	*154			8.5	12.5	112	24	4	10.5	16.5	91	28	6	8.0	12.0	69	29	4	2.5	4.5	44	20	9	5.5	8.0	*48			6.5	10.0	43	12	4	6.5	10.0	31	6	2	3.5	5.0
17	155	10	2	7.5	11.5	114	27	10	10.0	17.0	93	19	4	4.5	9.0	78	12	7	4.0	6.5	46	23	5	4.5	9.0	*55			5.5	8.0	47	9	5	5.5	8.5	33	5	4	3.0	5.0
18	157	8	3	6.0	9.5	117	17	7	10.5	17.0	97	18	4	7.0	10.0	79	7	6	5.0	8.0	56	18	9	5.0	9.0	*63			5.0	8.5	*52			5.5	8.5	31	4	4	3.0	4.5
19	159	7	4	6.5	10.0	118	11	6	11.0	17.5	97	4	4	7.5	12.5	79	17	5	11.5	16.0	54	21	8	4.5	8.5	61	13	8	5.0	9.0	47	15	4	6.0	9.0	31	4	4	3.5	5.0
20	159	5	2	6.0	10.5	122	4	6	10.0	13.0	99	5	4	6.0	14.0	84	3	7	7.5	11.5	54	21	7	5.0	7.0	*61			5.5	8.5	48	9	5	5.5	8.5	29	10	2	3.0	4.0
21	159	5	4	5.5	10.0	126	2	5	6.5	11.5	101	6	4	6.5	10.0	81	11	5	5.0	9.0	56	19	8	5.0	8.0	*63			5.5	8.0	45	10	4	6.0	10.0	29	6	4	2.5	4.0
22	159	6	2	6.0	10.0	128	2	3	8.0	11.5	105	4	6	10.0	14.5	79	7	3	6.0	9.0	56	23	6	4.5	7.5	56	29	5	4.0	7.5	44	16	5	5.0	8.0	27	4	2	2.0	3.0
23	159	6	4	7.0	11.0	128	4	3	8.5	14.5	103	4	4	6.5	9.5	81	7	4	6.0	10.5	56	18	4	4.5	7.5	59	24	8	4.5	8.0	42	16	7	5.5	8.0	27	4	2	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-61

MONTH-HOUR VALUES OF RADIO NOISE

Station New Delhi, India Lat. 28.8 N Long. 77.3 E Month March 19 61

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	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	155	2	3	8.0	12.5	132	4	3	7.5	12.0	110	8	8	7.0	12.0	87	8	9	6.5	11.0	66	4	12	5.0	8.0	60	4	8	4.5	7.0	*46			4.5	7.5	26	2	4	2.0	3.0
01	156	1	4	9.0	12.5	131	6	3	9.0	12.5	110	6	9	8.0	13.0	85	6	8	*8.0	*12.0	62	8	8	6.0	8.5	58	8	4	*3.5	*7.0	*46			*9.0	*13.5	25	3	3	2.5	3.5
02	156	1	3	9.0	13.0	131	4	5	9.0	13.0	108	10	8	6.0	10.0	83	8	6	6.5	10.5	60	10	6	6.0	9.0	60	4	6	5.5	5.0	43	8	8	*6.0	*10.0	25	3	3	*1.5	3.0
03	156	2	2	*10.5	*15.0	129	6	4	9.5	14.5	106	10	8	8.5	13.5	81	10	8	8.0	13.0	58	8	6	5.0	7.5	60	6	4	5.0	8.0	42	3	8	*3.0	*6.0	25	3	3	*1.0	*2.5
04	156	2	2	9.0	13.5	129	4	4	9.0	12.5	104	6	8	9.0	15.0	79	10	6	9.0	15.0	58	10	4	5.0	8.0	56	6	4	5.0	7.5	41	3	8	3.5	6.0	25	3	3	*1.5	*2.5
05	156	1	3	9.0	14.0	127	2	4	10.0	14.5	102	8	6	*8.0	*14.0	72	9	5	4.5	11.0	61	5	9	5.0	8.0	54	6	4	6.0	8.5	*39			5.0	7.0	26	2	4	1.5	2.5
06	156	0	6	9.0	13.0	121	4	4	9.0	13.5	92	12	4	*10.0	*16.0	70	5	7	3.5	5.5	53	9	3	5.5	8.0	54	6	6	6.0	9.0	41			*3.0	*5.0	28	1	4	*2.0	*3.5
07	152	2	4	9.5	14.0	115	4	4	8.0	13.0	90	4	8	*5.0	*8.0	65	6	4	3.0	5.0	47	5	5	*2.0	*3.5	44	8	10	*3.0	*4.5	*40			*2.0	*3.0	28	5	4	*2.0	*3.5
08	150	2	2	8.5	12.5	111	6	6	9.0	13.0	92	4	6	*4.5	*7.5	65	4	5	3.0	5.0	41	7	5	*2.0	*3.0	37	5	9	*3.5	*6.0	*36			*4.5	*6.0	30	3	8	*2.5	*4.0
09	150	2	2	9.0	12.5	114	7	13	10.5	15.0	90	9	2	*7.0	*10.5	64	11	3	*3.5	*5.0	*42			*1.5	*3.5	*32			*7.0	*9.5	*36			*2.5	*4.5	28	9	6	*2.5	*5.5
10	148	4	0	*9.0	*13.0	113	9	6	12.5	16.5	92	8	6	*6.0	*8.5	63	8	2	3.0	4.5	40	6	10	*2.0	*4.0	30	10	4	*6.0	*7.5	*27					28	6	3	*3.5	*5.5
11	149	5	3	10.0	14.0	115	12	5	10.0	14.0	92	10	6	*5.5	*10.5	63	6	4	2.0	4.5	40	4	6	*2.5	*4.0	30	8	3	*2.5	*3.5	*35			*3.0	*5.0	29	3	3	*7.5	*10.0
12	150	4	2	10.0	14.0	117	12	6	10.0	15.0	94	8	6	*5.0	*9.5	65	13	6	*3.0	*4.0	40	4	10	*2.0	*4.0	30	7	2	*3.5	*5.0	*34					29	7	2	*5.5	*9.0
13	150	4	1	10.0	13.5	119	10	5	10.0	14.0	96	11	8	5.0	7.5	65	18	6	2.5	5.0	40	4	6	*2.0	*3.0	32	6	6	*5.5	*7.5	35	5	5	*1.5	*5.0	30	6	2	*5.5	*9.0
14	153	3	3	10.0	14.0	123	10	10	8.0	13.0	98	16	8	*6.0	*10.5	65	24	6	6.5	10.0	42	4	6	*3.0	*5.0	33	11	5	*3.5	*6.5	37	7	4	*6.0	*8.5	32	6	6	*5.0	*7.0
15	154	4	2	8.0	12.5	124	9	9	9.5	14.0	99	9	9	*5.0	*9.0	67	24	4	*8.0	*15.0	42	7	6	*3.0	*4.0	36	14	8	*4.0	*8.0	41	4	9	*4.0	*7.5	34	4	5	*4.5	*7.0
16	154	4	2	8.5	12.5	124	12	11	8.5	12.5	100	16	4	7.0	10.5	66	25	7	*9.5	*14.0	42	10	4	*2.0	*3.5	42	14	9	*5.5	*8.0	*44			*3.5	*6.5	34	3	5	*4.0	*6.5
17	154	4	2	9.0	13.0	126	8	10	8.5	13.0	104	10	12	*9.0	*13.0	79	10	10	*5.0	*8.5	51	10	9	3.0	5.0	52	8	6	*4.0	*6.0	47	5	4	*3.5	*6.0	33	3	4	*5.0	*7.0
18	154	3	2	7.0	11.0	129	10	11	9.0	14.0	110	10	11	6.0	9.5	85	11	9	*4.0	*6.0	60	10	8	4.0	6.5	58	8	4	*3.0	*5.0	50	9	5	*6.5	*8.0	34	3	4	4.0	5.5
19	156	3	2	7.0	11.0	129	10	6	9.0	14.5	110	10	6	7.0	10.0	88	9	8	5.5	9.5	66	8	10	5.0	9.0	60	8	4	3.5	6.0	49	12	6	*6.0	*8.0	32	2	4	4.0	5.0
20	156	2	2	7.0	11.0	129	9	6	7.5	13.5	112	9	6	6.5	11.5	91	8	6	5.5	8.0	66	6	8	5.5	9.0	59	7	6	*5.0	*7.0	*50			*10.5	*12.5	28	4	6	3.0	4.5
21	156	2	2	7.5	11.0	131	7	4	8.5	11.5	113	6	9	8.0	11.0	92	7	7	6.5	9.5	66	5	8	5.0	8.5	60	4	6	5.0	8.5	47	11	7	*4.0	*7.0	26	2	4	2.0	3.5
22	156	2	2	7.5	11.0	133	4	4	8.5	12.0	113	5	10	6.0	9.5	91	5	5	6.5	10.5	66	6	11	*5.0	*9.0	58	6	2	5.5	7.5	48	9	11	*3.0	*5.0	25	5	3	*3.0	*4.0
23	156	2	2	8.5	12.5	131	6	3	8.5	12.5	110	7	7	7.0	11.0	89	7	9	7.0	12.5	66	6	10	5.5	8.5	60	6	6	4.5	6.5	48	8	9	*7.0	*9.5	26	2	5	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 New Delhi, India Lat. 28.8 N Long. 77.3 E Month April 1961

Frequency (Mc)

Hour (LST)	.013					.051					.160					.545					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_{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_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}
00	156	2	4			136	4	4			118	4	6			94	7	6			68	4	8			60	6	6			46					26	5	2		
01	156	2	4			136	4	2			116	8	4			93	8	8			66	7	6			59	6	4			48					26	5	4		
02	155	3	3			136	2	2			116	7	6			94	7	7			64	7	5			59	10	4			48					26	2	2		
03	156	2	4			134	4	2			115	4	4			91	3	12			64	7	8			58	7	4			41					24	4	0		
04	154	4	2			*134					*111					86	8	6			62	7	6			56	8	6			28					24	3	1		
05	154	4	4			*129					*106					*76					59	9	9			58	3	9			34					26	2	2		
06	152	4	4			*122					*92					68	27	6			50	14	11			46	12	13			35					26	4	0		
07	152	2	5			*116					*96					*68					48	12	14			38	16	8			39					*26				
08	152	4	6			*120					*96					*70					46	14	14			34	16	6			28					26	2	2		
09	152	2	5			*120					*98					*70					44	11	15			38	16	12			28					*26				
10	151	3	5			*122					*96					*68					44	9	15			36	16	12			30					*26				
11	152	2	4			*123					*103					*72					44	2	12			*34					32					*28				
12	*153					*122					*102					*72					*44					*35					32					*30				
13	154	5	4			*128					106	12	8			74	18	12			44	6	12			36	12	10			32					*30				
14	156	4	4			*131					*116					*83					43	15	9			39	16	8			38					31	4	4		
15	158	4	6			*134					112	12	16			*86					42	13	10			44	22	12			42					33	5	3		
16	158	4	6			*132					*109					*82					46	23	10			50	12	9			42					32	10	3		
17	157	5	7			*130					*109					*85					*54					56	12	8			46					34	6	4		
18	158	3	6			*132					*116					*90					62	15	7			64	4	9			44					*34				
19	157	0	5			*133					116	10	10			93	11	4			71	7	9			66	4	8			44					32	4	4		
20	158	4	4			*136					117	7	7			96	7	4			70	4	7			63	3	6			46					28	9	4		
21	158	4	5			*136					114	8	4			96	4	2			68	6	4			61	6	5			42					27	3	5		
22	158	2	4			*136					117	5	5			96	6	5			69	7	6			60	5	4			40					26	3	2		
23	157	3	4			*136					118	4	8			96	6	6			68	6	6			60	5	5			40					24	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

MONTH-HOUR VALUES OF RADIO NOISE

Station New Delhi, India Lat. 28.8 N Long. 77.3 E Month May 19 61

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	156	6	0	7.0	10.0	138	8	5	7.0	11.0	116	8	9	8.5	13.0	96	7	7	8.0	13.5	70	8	7			63	9	4			*47					30	2	2		
01	158	2	4	7.0	11.0	138	7	5	8.0	12.0	118	7	10	7.5	13.0	95	10	10	6.0	10.0	69	9	5			61	10	2			48	18	7			30	4	2		
02	158	2	6	7.5	12.0	138	9	5	8.0	12.5	117	9	9	6.5	9.5	94	9	9	10.0	14.0	68	10	6			61	11	2			48	5	17			29	5	2		
03	158	2	4	8.0	12.0	138	9	5	7.0	11.5	114	12	7	9.0	13.0	92	11	9	11.0	15.0	70	8	8			63	9	6			46	15	9			29	5	2		
04	156	4	4	8.5	13.0	135	10	6	9.0	13.5	110	10	12	13.0	18.0	86	10	14	12.0	16.5	67	11	8			61	8	3			43	8	6			30	3	2		
05	156	2	4	8.5	13.0	131	10	4	8.0	13.0	106	15	12	12.5	17.5	81	18	11	12.0	15.0	62	10	8			59	6	4			*45					30	2	0		
06	154	2	8	11.0	14.0	127	14	5	12.0	16.5	104	16	14	15.5	21.0	83	18	11	12.0	16.0	52	17	8			51	14	8			41	8	16			32	6	2		
07	154	3	12	9.0	13.5	125	13	5	13.0	17.5	103	16	12	11.5	16.0	81	12	10	12.0	17.5	48	16	6			*54					*37					30	4	2		
08	154	4	10	10.0	14.5	127	9	8	10.0	16.0	102	14	17	12.0	17.0	84	9	18	8.0	10.5	46	8	5			*45					*32					*30				
09	154	4	8	9.0	14.5	127	9	5	12.0	17.5	100	10	11	10.5	17.0	81	11	11			46	4	6			*40					*33					30	2	2		
10	154	2	9	9.0	14.0	129	6	4	8.0	14.0	102	10	7	10.0	15.5	85	4	7	17.5	20.5	46	11	6			*39					*35					30	4	1		
11	154	4	7	10.5	13.0	140	9	8	9.0	14.0	107	12	16	9.0	14.5	89	12	8	12.0	15.0	46	8	3			*41					*42					32	2	2		
12	156	4	8	8.0	13.0	135	8	9	11.0	15.5	109	12	10	9.0	15.0	89	13	10	11.0	17.5	46	6	5			*45					39	12	11			33	3	5		
13	159	3	7	7.5	12.0	137	6	8	9.0	11.5	117	9	17	6.0	11.0	97	10	16	6.5	11.5	50	13	7			49	8	8			43	6	20			35	3	4		
14	160	6	7	7.0	11.0	139	8	10	7.5	11.5	117	10	15	9.5	16.0	93	18	14			57	16	13			*51					*48					*37				
15	162	4	7	6.0	9.5	141	6	10	6.0	10.0	122	7	15	7.5	12.0	100	10	19	7.5	13.0	58	17	14			57	12	8			47	12	11			40	5	8		
16	162	3	6	6.0	10.0	139	8	11	8.0	13.0	122	10	14	9.5	11.5	97	18	8	9.0	15.0	57	18	11			58	13	7			*53					40	4	9		
17	160	6	4	8.5	12.5	141	9	14	9.0	13.5	120	8	17	9.5	15.5	99	15	16	7.0	12.5	59	17	9			*63					*50					40	4	9		
18	160	6	7	6.0	9.5	137	11	10	7.5	10.0	119	9	13	9.5	14.5	95	16	10	5.5	8.5	62	14	12			66	7	9			*53					38	6	9		
19	160	4	6	7.0	10.5	138	12	8	8.0	13.0	116	12	8	6.0	9.5	93	20	4	5.5	9.0	72	6	14			68	5	5			53	6	16			35	5	7		
20	160	4	6	7.0	10.0	139	12	8	6.0	10.0	118	10	10	6.0	10.0	97	8	8	5.5	8.5	72	6	16			67	6	10			52	6	6			32	7	2		
21	160	4	4	8.0	11.0	139	10	8	7.0	11.0	118	10	10	6.5	11.0	94	9	3	5.0	7.5	70	12	9			63	10	6			51	8	18			32	4	3		
22	158	5	2	6.5	10.0	137	10	6	7.0	11.0	116	10	6	6.5	10.0	95	12	8	5.5	10.0	70	9	7			61	10	2			*49					30	4	2		
23	158	4	4	6.5	10.5	137	10	4	7.0	11.0	116	10	6	7.0	11.5	93	10	6	7.5	12.5	70	10	7			63	9	5			47	16	6			30	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

MONTH-HOUR VALUES OF RADIO NOISE

Station Ohira, Japan Lat. 35.6 N Long. 140.5 E Month September 1961

Frequency (Mc)

Hour (LST)	.013					.051					.160					.545					2.5					5					10					20				
	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	Fom	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm
00	156	4	6	*10.0	*16.0	135	5	10	*10.0	*18.0	113	4	8	8.0	14.0	93	6	6	7.5	13.0	64	4	6	7.5	14.0	60	2	6	6.0	10.5	46	9	9	4.0	7.5	25	2	2	1.0	2.5
01	156	6	6	9.5	16.0	135	4	8	*10.5	*18.0	113	2	8	8.0	15.0	93	4	10	5.5	10.0	64	4	8	8.5	13.0	58	5	4	6.0	10.5	44	9	7	10.0	14.0	25	2	4	*1.0	*2.5
02	154	8	4	11.0	17.0	134	6	7	*10.0	*17.5	113	4	8	8.0	15.5	92	7	7	9.5	16.0	62	4	6	7.0	13.0	59	3	11	7.0	11.0	43	10	6	1.0	3.5	25	2	2	1.5	3.0
03	156	4	8	*12.0	*17.0	135	6	12	*11.0	*18.0	113	4	10	10.0	18.0	91	6	12	10.0	12.0	62	6	10	9.0	14.0	58	4	4	7.0	11.5	37	10	4	5.0	9.0	25	0	2	1.5	3.0
04	157	5	7	*11.0	*16.0	135	9	11	*11.0	*18.5	112	5	11	8.5	16.0	87	8	12	9.0	15.0	61	9	7	8.0	13.0	58	6	4	6.0	9.5	34	3	3	3.0	5.0	25	0	2	*1.0	*2.5
05	156	4	8	10.5	15.5	137	8	10	*10.5	*16.5	101	8	14	8.5	14.0	75	14	12	7.5	12.0	58	8	6	8.0	12.0	58	6	6			37	10	2	6.0	9.0	25	2	2	*2.0	*3.5
06	154	6	6	10.0	16.5	123	12	10	11.5	19.0	95	14	20	13.0	20.0	73	12	14	11.0	20.0	43	10	5	6.0	10.0	48	10	6	4.5	8.5	39	25	6	5.0	7.5	27	2	2	*3.0	*5.0
07	154	7	6	*10.5	*16.0	124	13	17	*14.0	*22.0	97	14	23	15.0	24.0	71	15	9	12.0	20.0	37	9	3	6.0	9.0	40	15	7	8.5	14.0	34	20	4	5.5	8.0	25	4	0	*2.0	*4.0
08	155	7	5	*11.0	*17.0	123	14	18	14.0	22.5	94	17	15	12.5	23.0	69	20	10	4.0	8.0	36	6	4	7.0	10.0	34	12	2	8.0	11.0	33	14	4	7.0	11.0	25	2	2	*4.0	*6.0
09	156	7	7	*14.0	*20.0	*125			*16.0	*24.0	*103			15.0	23.0	*73			14.0	23.0	36	3	4	8.0	10.5	34	6	4	8.5	14.0	*35					*25				
10	*156			*13.5	*21.5	121	16	10	*13.0	*21.0	98	15	17	14.0	23.5	73	12	8	12.0	21.0	36	2	2	6.0	10.0	32	8	4			31	10	6	11.0	16.0	25	6	2	*3.0	*5.0
11	156	7	7	*13.5	*20.5	125	14	8	*13.0	*22.5	96	17	13	15.0	25.5	71	15	7	9.0	13.5	36	10	4	9.5	12.0	32	11	4	7.0	11.0	29	9	4			25	4	0	*2.0	*4.0
12	156	4	6	*13.0	*21.0	129	9	14	*16.0	*24.0	97	16	12	15.5	23.5	74	17	5	11.5	17.0	34	12	2	8.0	11.0	32	12	6	9.0	12.5	29	10	4	4.0	7.0	25	6	0	*3.0	*5.0
13	156	2	6	*13.0	*21.0	125	14	12	14.5	21.5	93	26	12	12.0	21.5	69	28	8	12.0	20.0	36	15	4	7.5	10.5	32	17	4	8.5	11.5	31	8	4	2.0	3.0	27	2	2	*3.0	*5.0
14	156	6	4	11.0	19.0	125	8	12	*12.5	*18.5	94	19	13	15.5	28.0	67	28	6	6.0	10.0	34	27	2	8.0	12.5	34	12	4	5.5	10.0	34	5	5	5.5	8.0	27	2	2	*3.0	*5.0
15	156	8	4	*11.0	*19.0	125	18	10	*14.0	*22.0	91	30	10	13.0	24.0	69	26	6	12.0	22.0	36	27	4	5.5	8.0	36	17	4			37	4	2	6.5	9.5	29	2	2	*3.5	*6.0
16	156	8	2	11.0	18.0	123	12	10	*11.5	*18.0	88	30	11	13.0	24.0	66	29	5	9.0	20.0	38	15	4	7.5	12.0	42	11	5	6.0	9.5	43	6	6			29	2	2	*2.5	*4.5
17	156	6	3	*9.5	*14.5	125	6	12	*10.5	*17.0	99	24	12	16.0	27.0	78	15	9	8.5	17.5	44	16	5	5.5	9.0	50	8	4	9.0	13.0	45	4	3	9.5	12.0	31	4	4	*2.5	*5.0
18	156	6	6	8.5	14.0	127	5	5	*10.0	*16.0	107	10	12	10.5	18.0	87	10	6	6.5	12.0	53	14	6	7.5	12.0	57	5	6	5.0	9.0	47	11	4	2.5	5.5	29	2	2	*2.0	*4.0
19	155	5	3	*10.0	*13.0	131	5	13	11.5	17.0	109	9	9	9.5	16.5	91	6	6	6.0	11.5	62	5	7	8.0	13.0	70	10	5	5.0	10.0	49	8	6	4.0	7.0	28	3	3	*3.0	*5.0
20	156	4	3	*8.0	*14.5	131	8	10	*10.0	*15.0	109	6	6	8.0	15.0	92	5	7	6.5	13.0	62	6	7	6.5	12.0	72	4	9	5.0	10.5	47	12	6	4.5	8.0	27	4	2	*2.0	*4.5
21	156	5	3	*9.0	*15.0	131	10	6	10.0	17.0	110	5	7	9.0	14.0	93	4	8	6.0	11.5	62	6	6	6.5	12.0	71	5	5			45	8	6	2.5	5.0	27	0	2	*2.0	*3.5
22	156	4	6	10.0	16.0	133	7	6	8.0	14.0	110	7	6	7.0	12.5	95	4	6	6.0	11.0	62	7	8	7.0	11.5	62	12	8	7.0	11.0	47	8	8	2.0	5.0	25	2	0	*1.0	*2.5
23	156	4	6	*9.0	*14.5	135	3	7	*9.5	*15.5	110	7	5	9.0	16.0	95	6	8	8.5	18.0	62	6	8	8.0	13.5	60	4	6	5.5	10.0	47	8	8	3.0	6.5	25	2	0	*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 Ohira, Japan Lat. 35.6 N Long. 140.5 E Month October 19 61

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	152	4	6	*8.0	*12.5	125	6	2	10.0	17.0	110	6	6	9.0	16.0	85	9	3	7.5	12.0	57	8	4	*5.5	*10.0	56	8	4	6.0	11.0	45	10	6	2.0	5.0	25	1	2	1.5	3.0
01	152	4	7	9.0	13.0	127	4	4	10.0	16.0	112	4	8	8.0	15.5	86	9	5	7.0	13.0	57	8	4	*5.0	*9.0	56	6	4	6.5	11.0	43	19	7	6.0	9.5	25	1	2	*1.5	*3.0
02	152	4	6	8.5	14.0	127	10	6	10.0	16.0	110	7	6	8.0	16.0	85	10	6	9.0	13.0	57	10	5	7.0	11.0	56	8	4	6.5	10.0	39	16	5	3.5	6.0	25	1	2	*1.0	*2.5
03	152	4	5	8.0	13.0	129	6	8	9.0	16.0	110	8	6	7.0	13.5	84	10	7	*8.0	*14.0	55	13	4	*6.0	*11.0	56	13	6	7.0	11.5	37	12	4	5.0	7.5	25	2	2	1.5	2.5
04	152	6	6	8.5	14.0	127	8	6	*10.0	*17.0	108	10	4	8.0	15.0	81	12	6	*7.0	*13.0	55	12	6	*9.0	*15.0	54	17	6	7.5	11.0	35	8	4	3.0	5.0	25	2	2	*1.0	*2.5
05	150	8	6	9.0	14.5	127	4	10	10.0	17.5	100	12	6	7.0	13.5	71	18	7	*4.0	*7.0	55	10	5	*8.0	*13.0	66	12	12	6.0	7.0	35	4	4	3.0	5.0	25	3	2	1.5	3.0
06	150	6	6	9.5	14.0	117	13	6	*9.5	*16.0	83	25	10	*7.5	12.0	73	14	10	*6.0	*11.5	49	6	9	*7.0	*10.5	54	14	8	7.0	11.5	37	6	2	5.5	8.0	25	2	1	1.5	3.5
07	148	8	8	9.5	14.5	112	17	7	*11.0	*16.5	84	20	12	*8.0	11.0	66	12	5	*6.0	*10.0	39	8	3	*7.0	*10.0	40	18	6	11.0	16.0	37	8	6	8.5	11.0	25	3	0	2.0	3.5
08	148	7	6	9.5	14.0	109	16	10	*12.5	*17.5	82	14	12	*12.0	18.0	66	13	5	*6.5	*10.5	37	2	3	*7.0	*9.5	37	11	5	7.5	10.5	31	6	2	5.0	8.0	25	7	0	*1.5	*3.5
09	148	7	5	11.0	16.5	*110			*12.0	*19.0	85	17	11	*2.0	5.0	67	8	4	*4.0	*8.5	35	13	2	*5.0	*8.5	38	4	6	6.5	9.0	33	8	4			*25			2.0	3.0
10	*147			*11.0	*16.0	111	9	5	*11.5	*18.0	82	11	8	*7.0	12.0	65	8	2	*7.0	*12.0	35			*6.5	*9.0	34	2	2	11.0	15.0	31	13	6			25	6	0	2.0	3.5
11	150	4	6	13.0	18.0	113	16	8	*11.5	*19.5	84	18	16	*13.0	20.0	65	8	4	*6.0	*11.0	37	10	3	*6.0	*9.0	34	11	2	7.0	10.0	31	10	6	4.5	8.5	25	10	0	3.0	4.5
12	150	6	6	12.0	17.5	113	12	8	12.5	18.0	82	14	14	*6.0	10.0	71	12	7	*4.0	*8.0	35	4	2	8.0	11.0	32	12	2	6.5	9.5	31	20	4	10.0	16.0	25	4	0	2.5	4.0
13	148	10	4	11.5	17.0	112	14	5	*9.0	*16.0	81	30	11	*5.5	10.0	65	21	4	*5.0	*10.0	35	4	2	*9.0	*13.0	32	11	2	5.0	9.0	31	8	2	5.5	10.5	27	2	2	1.5	3.0
14	150	4	4	10.5	*16.5	113	12	8	8.5	16.0	80	26	10	*12.0	17.5	67	13	6	5.5	9.5	35	10	2	6.0	8.0	36	10	6	7.0	9.5	35	6	4	5.5	9.5	27	4	2	2.0	4.5
15	150	5	5	9.0	16.0	113	11	9	9.0	15.5	78	28	5	*10.5	15.5	67	12	6	*5.0	*10.0	37	7	4	*5.5	*9.0	40	8	6	6.0	8.5	41	4	6	6.0	10.0	27	4	0	1.5	2.0
16	151	7	5	8.5	14.5	111	13	11	8.5	13.5	84	23	8	11.0	16.0	71	11	6	*12.0	*18.5	41	8	4	*10.0	*14.0	45	6	4	7.0	10.0	43	5	7	1.5	4.0	27	4	0	3.0	5.0
17	150	5	6	9.0	15.0	113	12	12	11.0	16.5	91	19	7	12.5	18.0	87	9	10	*5.5	*12.5	47	13	4	*8.0	*12.0	52	11	6	5.0	8.5	49	6	8	3.0	5.0	27	2	0	2.5	4.0
18	151	3	5	9.5	14.5	119	8	6	8.0	15.0	100	13	6	9.0	17.5	97	6	9	*7.5	*17.5	51	14	4	*6.0	*10.5	56	12	6	6.0	10.0	50	10	9	2.0	5.0	27	2	2	2.0	3.5
19	152	6	7	9.5	14.0	123	9	7	8.5	12.0	104	12	8	9.0	17.0	93	7	6	*7.0	*12.0	55	10	4	*6.5	*10.5	70	6	9	7.0	12.5	51	10	10	3.5	6.0	27	1	2	2.0	3.5
20	152	9	7	9.0	16.0	125	9	4	10.0	18.0	106	15	6	7.0	14.0	91	10	6	*8.0	*16.0	55	12	4	*5.0	*9.5	70	6	4	6.0	11.0	49	10	8	2.0	4.0	25	2	0	1.0	2.5
21	152	9	6	9.0	14.5	125	11	4	*10.0	*17.0	106	15	8	8.5	16.0	93	8	8	*4.5	*11.0	57	11	5	*5.0	*10.0	71	7	11	5.0	10.0	49	13	9	3.0	6.5	25	2	0	1.0	3.0
22	152	6	6	8.0	14.0	125	10	3	9.0	17.0	108	12	5	9.0	17.0	99	5	8	*7.0	*16.5	57	8	5	*4.5	*9.0	60	18	8	5.5	10.5	48	11	8	4.0	6.0	*25			1.0	2.5
23	152	4	9	9.0	14.0	127	4	7	8.0	17.5	108	9	4	8.0	16.0	95	8	8	*6.5	*15.0	57	10	6	*6.5	*11.0	56	8	4	6.0	9.0	50	7	9	2.5	5.0	25	1	0	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 Ohira, Japan Lat. 35.6 N Long. 140.5 E Month November 19 61

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	Fom	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	147	3	5	12.0	17.5	125	5	2	12.0	20.0	110	8	8	10.5	19.0	84	9	6	10.5	19.0	57	12	6	6.0	11.0	53	7	6	4.5	8.0	37	7	6	3.0	5.0	24	0	0	1.5	2.5
01	147	3	6	10.0	15.0	125	5	2	12.0	18.5	111	6	11	10.0	18.5	84	13	4	9.0	18.0	57	10	8	6.5	10.0	55	7	5	5.0	9.0	35	14	2	3.5	5.0	24	0	1	1.0	3.0
02	145	4	4			125	4	2	10.0	16.0	109	6	10	9.5	12.0	83	7	3	11.0	17.0	55	13	6	5.0	8.5	55	6	4	5.0	8.0	35	17	4	3.5	6.0	24	0	0	1.0	2.5
03	143	8	0	10.0	16.0	125	4	2	10.0	17.0	105	11	6	7.0	15.0	83	6	5	11.5	19.5	55	10	6	4.0	8.0	53	10	4	4.0	7.5	35	16	6	4.0	6.0	24	0	0	1.0	2.5
04	145	6	3	9.5	15.0	125	4	2	11.0	19.0	103	14	8	10.0	19.0	80	9	4	11.5	22.0	53	12	4	6.0	10.0	53	11	5	5.0	9.0	31	9	3	2.5	3.5	24	0	0	1.0	2.5
05	144	6	3	14.0	19.5	125	4	2	12.0	20.0	97	17	2	10.0	18.0	76	12	4	5.5	13.0	55	12	7	4.0	8.0	67	6	15			31	4	2	2.0	4.0	24	2	0	1.5	2.5
06	144	8	3	10.0	15.5	121	7	7	12.0	19.0	87	25	8	16.0	26.5	80	12	6	6.5	11.5	51	12	4	6.5	11.0	64	7	13			37	8	5	3.0	5.0	24	2	0	1.5	3.0
07	143	4	2	10.0	15.0	115	10	6	16.0	24.0	81	25	14	11.5	22.0	66	21	4	11.5	24.5	41	16	4	4.0	7.0	47	16	6	8.0	12.0	37	11	4	3.0	5.0	26	3	2	2.0	4.0
08	143	4	2			113	10	14	13.0	20.0	82	28	13	12.5	25.0	67	19	6	11.0	16.5	37	13	6	5.0	7.5	40	11	4	5.0	8.0	34	9	5	4.5	6.5	26	2	2	1.5	3.5
09	143	7	2	14.0	20.0	115	8	13	15.0	25.0	85					65					37	12	4	4.5	7.0	37	9	4			31	8	4	3.0	5.0	26	4	2	2.5	4.0
10	145	2	2	12.0	18.0	115	16	11	17.0	25.0	91	23	25	17.0	27.0	68	26	8	5.0	12.0	35	14	4	5.0	8.0	35	19	3	5.5	8.5	29	12	4	6.5	10.0	26	2	2	2.0	3.5
11	145	6	2	13.5	19.5	113	15	6	15.0	23.0	86	28	19	8.0	18.5	66	28	7	7.5	18.0	37	14	6	6.5	9.5	35	14	4	6.5	9.5	33	6	8	1.0	2.5	26	4	2	1.5	35
12	145	8	2	12.5	18.0	113	12	5	11.0	19.0	79	28	12	12.5	22.5	70	17	6			37	14	6	8.5	11.5	35	12	4	6.5	11.0	33	6	8	3.0	5.5	26	2	2	2.0	4.0
13	147	6	4	12.0	18.0	113	9	4	8.5	14.5	79	25	12	12.0	23.0	64	20	4	7.5	13.5	35	8	4	7.0	11.0	35	12	3	7.0	9.5	35	10	6	6.0	9.0	26	3	0	1.0	3.0
14	147	4	4	9.5	15.0	113	12	6	12.0	19.5	81	26	16	14.0	22.0	67	17	7	7.0	14.0	37	7	6	6.0	8.0	37	14	3	4.0	7.0	39	6	6	4.0	7.0	26	4	0	1.5	3.0
15	147	6	4	7.5	13.0	111	13	8	17.0	25.0	85	24	17	16.0	24.0	68	16	5	5.5	10.0	37	12	6	5.0	8.0	42	7	3	5.0	7.5	40	14	5	3.5	7.0	26	4	0	2.0	3.5
16	147	4	4	8.0	14.0	111	14	10			89	14	16	15.5	29.0	76	8	8	10.5	18.0	43	11	6	7.0	10.5	47	10	4	4.5	7.5	39	28	4	4.0	6.5	26	2	0	2.0	3.0
17	147	6	4	8.5	14.0	115	11	13	14.0	21.0	95	17	10	17.0	28.0	88	8	4	7.5	15.5	47	16	3	5.5	8.0	49	8	2	7.0	11.0	45	19	7	3.5	6.0	26	0	2	1.5	3.0
18	147	4	5	7.5	13.0	121	5	5	10.0	17.0	99	13	4	12.5	22.0	92	9	6	8.5	15.5	51	11	6	6.0	9.5	51	6	3	3.5	6.5	45	25	7	3.0	5.5	24	2	0	1.0	2.5
19	147	5	5	11.5	17.5	123	2	2	9.0	16.0	101	13	6	13.0	21.0	92	10	8	8.0	14.0	53	12	6	2.5	5.0	67	4	10	7.5	12.5	45	26	6	4.0	6.5	24	2	0	1.0	2.5
20	148	6	5	10.5	16.5	125	2	6	10.0	17.0	105	12	8	10.5	18.5	90	10	6	4.0	8.5	55	12	6	4.0	8.0	69	7	6	7.0	12.5	43	26	6	3.0	5.0	24	2	0	1.5	3.0
21	149	8	6	10.5	17.0	125	7	6	12.0	20.0	107	10	8	9.0	17.0	92	9	7	9.0	16.5	55	13	5	7.5	11.5	70	5	7	4.5	9.0	42	17	9	2.5	5.0	24	1	0	2.0	3.0
22	147	4	4	10.0	15.0	125	4	2	12.0	19.0	109	11	11	9.5	17.0	96	8	10	5.5	12.5	57	13	8	4.0	7.0	57	17	6	2.0	3.0	37	14	5	2.0	3.5	24	0	0	1.5	3.0
23	147	7	6	11.0	16.5	125	8	2	11.0	19.0	111	7	9	10.0	16.0	94	8	8	9.5	17.5	57	14	7	5.5	10.0	55	13	3	4.0	7.0	35	11	3	3.0	5.0	24	0	0	1.5	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 Pretoria, S. Africa Lat. 25.8 S Long. 28.3 E Month September 1961

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5					5					10									
	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_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}
00	158	6	4			129	9	12			106	19	6			92	17	8			63	12	6			52	11	6			33	17	7							
01	156	7	4			131	6	13			106	16	10			90	13	9			63	10	8			54	7	7			29	11	6							
02	156	6	4			129	9	11			104	16	9			90	15	8			63	8	7			54	8	6			27	8	8							
03	156	6	6			129	8	12			104	16	10			90	11	13			61	11	5			56	6	8			27	8	8							
04	156	7	6			128	9	12			102	18	8			86	15	10			59	14	5			54	8	7			27	12	8							
05	156	4	7			127	9	11			94	22	6			72	22	8			59	12	6			52	10	7			27	10	8							
06	154	4	4			119	16	7			70	51	6			69	30	15			49	13	4			46	7	3			33	6	4							
07	153	3	5			113	20	8			71	38	7			78	14	22			43	7	6			36	16	7			31	11	7							
08	152	2	6			112	21	10			70	46	2			*82					41	10	6			38	12	12			27	10	8							
09	*154					115	21	17			*74					81	13	19			45	11	11			39	9	17			21	19	8							
10	151	10	5			114	16	17			77	41	7			82	14	14			45	4	8			37	10	8			19	18	6							
11	151	10	3			117	11	18			80	38	12			82	15	24			41	8	4			38	10	10			27	10	14							
12	153	9	5			119	18	14			82	42	10			90	13	30			43	7	4			38	13	14			21	20	8							
13	156	9	6			126	22	9			96	34	19			90	22	12			45	23	6			38	21	15			21	24	5							
14	158	10	4			127	20	17			112	19	32			92	19	15			45	30	7			38	23	13			29	18	12							
15	160	8	4			129	19	16			106	24	16			90	19	28			45	25	7			38	24	12			33	14	10							
16	160	8	4			129	20	16			114	14	38			92	12	28			43	29	6			38	24	13			37	11	9							
17	160	4	2			135	10	23			114	12	34			90	15	13			48	21	9			48	16	14			39	9	8							
18	158	7	2			128	15	15			108	20	23			90	17	14			54	23	9			53	15	11			43	7	9							
19	158	8	2			131	13	16			108	21	8			94	16	10			63	16	7			56	14	10			42	7	5							
20	158	7	2			133	8	16			108	18	6			94	12	8			67	10	10			56	12	10			41	6	9							
21	158	7	4			132	7	13			108	15	8			94	9	6			66	9	6			53	11	8			37	4	8							
22	158	4	2			131	9	12			108	14	6			94	9	8			65	9	6			55	9	9			37	6	8							
23	156	8	2			133	7	14			108	14	6			92	14	8			63	11	4			54	13	8			36	7	7							

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. 25.8 S Long. 28.3 E Month September 19 61

Hour (LST)	Frequency (Mc)																															
	.113*					.246*					.545*																						
	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	110					99					88																						
01	108					99					86																						
02	108					99					86																						
03	110					99					88																						
04	108					97					86																						
05	106					93					80																						
06	94					73					60																						
07	84					71					60																						
08	84					73					60																						
09	86					73					60																						
10	80					73					60																						
11	82					73					60																						
12	86					73					60																						
13	88					73					60																						
14	90					73					60																						
15	89					73					60																						
16	88					73					60																						
17	84					73					62																						
18	98					85					80																						
19	106					91					88																						
20	110					101					86																						
21	108					99					90																						
22	110					101					88																						
23	110					101					90																						

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

*These values are the results of the first thirteen days recording during the month. At that time, the recording frequencies were changed to 13, 160, and 495 kc/s, and these frequencies will be recorded from now on.

USCGAE-NES-R

MONTH-HOUR VALUES OF RADIO NOISE

Station Pretoria, S. Africa Lat. 25.8 S Long. 28.3 E Month October 1961

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	157	4	4			130	12	6			109	12	6			92	2	7		
01	155	6	2			128	12	4			107	14	6			91	9	6		
02	156	5	3			130	8	8			107	8	6			88	10	8		
03	155	4	4			129	5	5			106	9	7			90	6	8		
04	155	4	4			128	3	4			104	7	11			86	8	6		
05	155	4	2			122	8	4			87	13	8			58	23	4		
06	153	3	2			117	8	5			79	24	13			58	17	5		
07	151	5	2			113	16	7			83	18	15			64	18	8		
08	151	8	2			114	12	9			79	20	12			*72				
09	*149					117	9	14			82	20	13			70	13	17		
10	151	4	6			118	8	10			82	21	12			80	4	26		
11	151	4	4			118	6	6			83	8	10			78	6	24		
12	153	4	4			122	4	2			85	14	10			78	6	25		
13	157	2	4			126	8	6			85	26	7			80	6	24		
14	158	5	4			126	8	2			91	30	10			83	5	27		
15	161	4	4			128	15	4			103	23	22			82	20	26		
16	161	6	4			127	20	5			99	31	16			81	28	27		
17	159	4	2			127	27	5			100	37	19			84	26	27		
18	159	4	4			124	36	4			104	26	13			89	20	11		
19	159	8	4			132	12	8			112	14	11			94	10	8		
20	159	8	4			132	13	6			110	20	9			94	14	6		
21	157	0	2			132	15	6			108	29	7			94	10	6		
22	157	1	2			130	17	6			107	18	6			94	10	6		
23	157	8	4			130	16	6			109	14	8			94	10	6		

Hour (LST)	2.5 Fam	Du	Dℓ	Vdm	Ldm	5 Fam	Du	Dℓ	Vdm	Ldm	10 Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	63	10	5			55	4	7			36	4	4							
01	63	9	6			55	4	5			36	4	4							
02	61	10	6			55	4	6			34	5	6							
03	61	10	4			55	5	6			30	5	4							
04	61	9	6			53	6	4			28	5	4							
05	59	10	5			51	7	5			34	4	4							
06	45	10	6			43	9	12			34	9	4							
07	41	6	6			38	7	7			26	11	4							
08	41	4	4			36	5	7			22	14	6							
09	*41					35	4	4			22	13	9							
10	41	4	6			33	6	7			20	10	8							
11	41	2	4			33	4	10			17	9	5							
12	41	3	4			35	2	10			20	9	5							
13	41	6	4			35	4	12			22	12	8							
14	41	16	4			33	12	6			27	9	9							
15	41	24	4			35	18	6			32	9	5							
16	41	29	4			39	23	9			38	11	6							
17	45	32	8			49	23	18			41	13	3							
18	57	12	8			55	15	12			44	8	6							
19	65	13	6			57	8	10			43	6	5							
20	68	8	7			57	6	12			42	6	6							
21	67	8	5			55	13	9			40	6	5							
22	65	10	4			55	12	10			38	5	4							
23	65	6	5			55	6	6			38	5	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 Pretoria, S. Africa Lat. 25.8 S Long. 28.3 E Month November 1961

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	159	6	4			134	8	6			114	8	10			96	8	8		
01	157	5	3			134	8	6			112	10	8			96	8	10		
02	157	6	6			132	10	8			110	13	6			92	10	7		
03	155	5	3			130	10	4			106	12	5			90	10	8		
04	155	4	4			130	8	6			106	10	6			84	10	8		
05	153	6	2			122	12	6			94	18	18			58	22	6		
06	151	8	2			121	13	11			89	19	23			58	26	4		
07	149	8	4			114	12	10			84	20	18			68	20	14		
08	149	10	4			*115					78	22	12			80	10	26		
09	149	7	4			116	12	14			78	24	10			84	6	28		
10	149	10	4			120	11	10			86	27	10			85	5	29		
11	153	6	4			126	12	8			103	17	21			86	12	23		
12	157	6	4			132	10	6			112	17	14			90	15	13		
13	161	6	4			138	10	6			119	10	9			91	19	6		
14	163	7	4			140	11	6			120	12	9			94	17	9		
15	165	6	4			142	9	7			121	11	7			96	16	9		
16	165	6	4			144	6	7			122	6	6			97	13	12		
17	165	4	6			142	6	5			122	6	6			96	12	10		
18	163	4	4			140	7	5			120	8	6			96	14	9		
19	163	6	4			140	10	6			118	12	8			96	16	6		
20	161	8	4			139	7	8			118	9	9			98	9	6		
21	161	8	6			138	9	7			118	11	10			98	9	6		
22	161	8	6			136	12	8			114	16	8			98	15	8		
23	159	7	3			136	9	7			114	13	8			96	10	6		

Hour (LST)	2.5					5					10									
	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	74	8	6			60	6	6			41	6	6							
01	72	8	6			60	7	6			38	15	3							
02	72	6	8			60	4	6			37	2	6							
03	71	5	9			58	6	6			36	7	7							
04	70	6	10			56	4	6			35	7	6							
05	65	7	7			56	6	6			39	3	6							
06	52	9	10			50	6	12			35	4	4							
07	48	8	7			40	11	8			29	7	6							
08	49	7	10			*37					25	10	6							
09	50	2	12			39	5	11			22	12	3							
10	50	3	6			40	10	10			23	12	3							
11	50	11	8			40	13	10			29	10	6							
12	50	20	8			42	12	10			36	5	9							
13	55	20	6			46	16	8			39	10	6							
14	56	26	8			51	22	9			43	10	4							
15	70	16	18			54	16	8			45	4	4							
16	67	19	11			58	12	10			47	4	4							
17	70	12	10			60	6	6			49	4	6							
18	74	6	8			64	6	4			49	4	6							
19	78	8	4			66	6	6			49	4	6							
20	80	4	6			66	4	6			47	4	6							
21	78	8	6			66	8	6			45	5	6							
22	76	6	2			64	2	6			43	8	4							
23	74	8	2			62	6	6			40	13	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-DL

MONTH-HOUR VALUES OF RADIO NOISE

Station Rabat, Morocco   Lat. 33.9 N Long. 6.8 W   Month September 1961

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	158	2	6			134	4	9			116	7	6			92	9	9		
01	156	4	2			134	4	8			116	7	4			92	7	6		
02	157	5	5			134	4	9			118	3	4			90	7	3		
03	156	4	4			134	4	5			116	4	5			90	7	4		
04	156	4	5			134	4	4			118	4	6			88	8	4		
05	156	5	4			132	2	6			106	4	4			78	10	6		
06	157	3	5			125	7	5			90	9	8			63	11	5		
07	156	2	7			123	5	6			88	14	10			62	13	4		
08	154	2	4			120	4	8			90	8	8			60	19	3		
09	154	2	4			*122					*92					*60				
10	152	4	4			118	7	9			92	14	11			58	20	2		
11	154	4	4			122	4	12			96	8	8			62	18	8		
12	156	2	6			124	4	10			94	12	6			64	20	8		
13	156	3	4			126	8	8			98	15	8			69	19	11		
14	156	6	3			126	11	10			98	18	8			74	23	19		
15	158	3	2			128	10	11			101	15	10			72	26	16		
16	160	2	4			128	13	8			100	22	14			66	35	9		
17	160	3	3			130	9	6			98	24	11			86	15	27		
18	158	4	5			128	12	6			109	13	13			85	17	8		
19	158	5	4			128	10	4			112	8	6			90	12	3		
20	158	4	4			134	2	4			113	5	5			90	9	4		
21	158	6	6			132	6	4			114	4	8			92	10	4		
22	158	6	4			132	6	8			114	8	4			92	8	4		
23	158	4	6			132	6	5			118	2	6			92	8	6		

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	60	6	6			60	6	6			46	4	6			26	2	8		
01	59	5	5			60	4	6			46	6	8			26	2	7		
02	60	5	6			60	4	8			46	4	4			26	2	6		
03	58	8	4			62	4	10			48	2	6			26	2	6		
04	58	6	3			62	2	5			44	4	6			26	2	7		
05	58	6	8			60	4	8			42	6	6			26	0	6		
06	49	7	7			54	8	6			44	2	10			26	4	8		
07	42	4	6			42	6	6			42	4	6			30	10	11		
08	38	7	7			34	6	8			38	6	6			32	8	14		
09	31	10	3			*36					*36					*31				
10	30	11	3			30	12	4			32	10	4			32	7	9		
11	31	12	5			30	4	8			30	8	4			26	8	6		
12	32	10	4			32	7	8			34	8	8			28	4	6		
13	34	12	6			34	8	10			37	7	10			28	6	5		
14	36	9	8			36	9	9			40	8	9			32	3	7		
15	35	19	7			42	6	14			44	4	10			32	3	10		
16	42	10	8			44	11	11			46	4	6			32	6	4		
17	44	19	5			53	12	6			50	5	4			33	3	3		
18	54	11	7			59	6	8			50	4	6			30	4	3		
19	60	10	4			61	3	5			48	4	4			30	2	4		
20	61	7	3			60	4	4			48	2	4			28	4	4		
21	60	6	3			60	4	6			46	2	4			26	4	4		
22	60	6	4			58	6	5			46	5	3			26	4	6		
23	60	6	4			60	6	5			46	4	2			26	2	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

MONTH-HOUR VALUES OF RADIO NOISE

Station Rabat, Morocco Lat. 33.9 N Long. 6.8 W Month October 19 61

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	158	2	4			132	4	4			117	3	4			92	7	6			64	9	6			58	6	11			44	6	6			26	0	2		
01	158	2	3			133	4	5			118	5	6			92	6	6			65	6	7			59	7	16			42	5	5			24	2	0		
02	158	2	3			134	2	4			116	4	2			92	4	8			68	4	9			60	6	12			42	7	3			24	2	0		
03	158	2	2			133	3	3			116	5	5			90	7	8			69	1	10			60	4	15			44	4	10			24	1	0		
04	158	3	3			134	2	6			118	4	5			88	8	7			68	4	8			60	4	12			44	3	7			24	1	0		
05	158	2	2			131	5	3			116	6	10			80	14	11			64	6	6			58	4	14			42	4	10			24	2	0		
06	158	3	2			128	4	3			98	11	6			68	13	9			56	11	5			54	4	18			42	4	6			26	5	1		
07	156	4	2			124	7	7			92	10	7			60	9	6			44	13	6			46	4	17			40	6	4			32	10	6		
08	154	4	2			120	9	11			90	16	12			62	9	4			38	14	4			34	8	11			38	6	3			35	4	9		
09	154	4	2			120	10	12			94	10	9			60	10	6			34	12	3			32	5	12			38	10	6			*35				
10	156	4	4			120	10	9			91	12	8			58	15	4			*36					30	6	9			36	5	6			*36				
11	154	6	3			120	7	7			96	9	8			58	25	6			37	17	6			29	14	8			35	7	5			30	5	3		
12	154	4	2			122	6	8			95	16	7			64	13	8			36	14	6			30	10	8			34	10	7			30	7	2		
13	156	2	4			122	10	8			96	12	4			62	19	8			38	18	6			30	10	8			36	8	6			32	4	4		
14	156	4	2			124	7	8			96	16	11			62	24	10			40	11	8			34	10	14			38	10	5			34	4	4		
15	158	2	4			122	9	6			92	16	11			60	20	8			40	12	6			36	11	7			46	21	4			*32				
16	157	2	3			124	6	7			94	16	12			64	20	8			41	17	3			42	12	10			51	11	7			*33				
17	157	2	3			124	7	8			104	9	11			80	9	18			54	9	10			52	6	7			50	20	6			30	8	5		
18	156	4	3			127	5	6			112	3	10			86	8	7			64	3	13			56	8	6			46	9	7			28	4	1		
19	156	4	2			128	7	4			112	5	7			88	8	6			66	4	8			54	8	10			43	9	6			26	3	3		
20	156	4	2			128	7	1			114	4	6			90	7	7			64	6	4			54	15	10			44	6	7			28	2	2		
21	158	2	2			130	5	4			112	7	4			90	8	5			64	6	4			54	8	8			42	10	4			26	2	1		
22	158	2	2			130	6	3			112	8	3			92	4	6			64	7	5			56	8	11			42	6	6			26	0	0		
23	158	2	3			132	4	4			116	3	6			92	4	8			64	8	5			56	6	10			41	8	4			26	0	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 Rabat, Morocco Lat. 33.9 N Long. 6.8 W Month November 1961

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5					5					10									
	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	157	4	4			130	6	4			117	6	6			90	6	12			62	10	4			58	6	6			*41									
01	157	2	2			132	7	2			118	7	5			90	8	4			61	9	15			56	6	6			39	4	6						
02	157	2	4			132	4	6			117	4	8			88	11	8			*64					*57					*37								
03	157	2	2			134	2	6			117	5	8			90	6	6			59	11	13			56	6	6			39	6	6						
04	157	2	6			130	6	4			113	7	2			86	10	8			*62					*57					*42								
05	157	2	2			133	3	7			117	6	6			84	12	10			60	10	12			56	8	5			37	6	6						
06	157	2	6			128	4	2			107	6	8			76	12	18			*60					*54					*42								
07	155	4	2			126	4	6			102	5	7			62	8	6			52	7	8			52	4	12			43	4	8						
08	155	4	6			121	9	7			103	10	8			64	31	6			*44					*40					*41								
09	155	4	4			*120					*101					*62					40	22	6			38	12	13			*45								
10	155	2	11			120	8	14			105	6	12			64	26	10			*36					*31					*39								
11	*155					*117					100	9	5			60	8	6			40	9	9			34	12	8			37	6	6						
12	153	4	8			118	8	8			102	11	13			64	14	8			36	4	4			*32					*34								
13	155	4	4			121	13	7			103	11	10			64	27	8			38	10	4			36	10	8			39	6	10						
14	155	4	6			122	14	14			101	14	8			68	22	14			38	8	6			*38					*41								
15	155	4	4			*123					*103					*68					42	10	6			42	8	6			43	9	4						
16	155	3	5			123	13	11			105	8	12			78	13	13			*44					*50					*43								
17	*155					123	17	3			109	6	8			*83					52	9	16			54	7	8			43	8	5						
18	155	4	4			128	8	12			111	4	8			84	10	8			*58					*55					41	8	2						
19	157	6	2			129	9	3			112	10	5			88	15	4			60	11	19			57	7	5			43	6	10						
20	157	6	4			130	10	10			113	10	6			89	7	11			62	10	4			56	10	4			43	12	4						
21	159	2	4			132	6	4			113	9	5			90	11	5			62	8	18			58	8	6			43	8	6						
22	157	6	2			132	6	8			113	8	7			90	4	10			*64					*57					*43								
23	157	6	2			134	2	6			116	9	5			90	6	6			62	8	14			56	9	7			39	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-DC

MONTH-HOUR VALUES OF RADIO NOISE

Station São José, Brazil Lat. 23.3 S Long. 45.8 W Month September 19 61

Hour (LST)	.051 Fam	Du	Dℓ	Vdm	Ldm	.113 Fam	Du	Dℓ	Vdm	Ldm	.246 Fam	Du	Dℓ	Vdm	Ldm	.545 Fam	Du	Dℓ	Vdm	Ldm	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	133	6	10			120	9	12			104	8	6			93	7	9			73	9	8			58	11	6			49	9	6			30	3	6		
01	133	6	10			122	7	14			106	6	10			93	7	10			69	13	7			58	9	10			49	11	8			28	4	4		
02	133	7	10			122	7	14			104	9	6			93	7	10			69	12	3			60	7	10			47	10	12			28	4	4		
03	133	7	12			122	8	15			105	7	8			93	7	10			71	10	10			58	5	7			45	6	13			28	3	3		
04	133	7	8			122	7	9			102	8	4			91	7	9			69	13	5			56	9	6			38	12	7			28	2	4		
05	131	9	10			120	8	11			102	7	14			84	10	9			69	10	10			56	6	10			41	10	8			28	3	5		
06	126	9	10			106	12	12			85	11	19			85	8	21			63	13	13			56	10	8			45	9	11			28	4	2		
07	122	10	8			102	13	8			82	11	13			88	5	18			49	16	12			46	13	6			43	10	8			30	2	5		
08	121	9	10			102	12	10			82	15	10			88	8	16			41	14	13			40	12	9			39	11	7			27	9	4		
09	123	10	12			104	15	14			82	11	12			87	5	14			33	33	6			36	14	10			37	15	12			30	6	6		
10	121	7	8			100	12	9			81	16	10			87	5	14			33	15	6			34	14	9			35	9	9			28	6	4		
11	121	9	6			100	13	8			82	13	13			87	6	14			35	9	8			30	11	7			35	8	7			28	4	2		
12	119	10	7			102	11	12			82	15	11			85	7	10			37	13	9			31	12	11			35	9	9			28	6	6		
13	121	8	8			100	14	12			80	18	12			85	7	11			35	8	8			30	11	6			35	6	6			28	5	5		
14	121	7	6			98	13	10			80	14	15			86	6	14			37	9	8			30	10	5			35	7	9			30	7	6		
15	124	4	7			100	8	12			80	15	16			83	8	11			35	11	8			37	10	9			39	4	10			28	8	5		
16	125	5	6			100	16	10			83	13	17			85	5	15			41	13	12			46	5	8			42	8	6			33	4	8		
17	125	6	6			100	18	10			82	17	9			83	8	7			53	13	23			48	8	5			45	6	10			32	7	6		
18	123	10	2			104	14	10			90	10	9			87	6	7			63	9	13			56	10	9			47	5	11			30	10	5		
19	127	8	4			112	9	8			94	7	10			89	6	6			67	11	11			57	10	7			47	7	9			31	7	8		
20	131	6	6			114	10	8			98	7	4			91	6	5			67	11	10			59	11	4			50	5	3			33	14	11		
21	131	8	6			118	7	9			102	7	6			93	6	8			69	11	11			60	9	8			49	7	10			31	7	6		
22	133	6	8			120	6	10			104	8	7			94	6	10			73	8	13			60	10	8			51	6	10			30	7	5		
23	134	5	11			120	9	11			104	7	9			94	5	11			73	10	12			64	6	10			49	6	7			30	5	4		

Frequency (Mc)

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 São José, Brazil Lat. 23.3 S Long. 45.8 W Month October 19 61

Hour (LST)	Frequency (Mc)																																					
	.051					.113					.246					.545					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	135	8	8			124	6	12			106	8	4			93	8	6			71	6	12			61	6	6			49	6	6			34	5	7		
01	135	8	6			124	6	12			108	6	10			93	8	8			69	10	6			61	6	6			47	8	4			35	4	8		
02	135	8	10			124	6	9			106	8	6			93	6	6			69	8	6			61	6	8			49	4	10			29	10	2		
03	136	7	9			122	6	14			104	10	6			93	6	8			69	8	10			61	4	8			47	4	6			29	4	2		
04	135	8	10			120	8	12			104	8	12			90	5	13			68	9	9			60	7	9			45	8	6			29	2	2		
05	129	12	12			112	12	16			89	17	15			81	8	15			60	13	13			55	6	8			46	11	7			29	4	4		
06	124	9	15			102	14	8			77	17	7			81	8	8			54	3	15			50	7	7			43	6	8			31	5	4		
07	122	11	11			103	9	11			75	14	7			83	8	4			43	8	8			42	7	7			41	8	10			29	11	2		
08	123	8	16			101	12	9			78	16	8			83	10	8			39	4	4			38	5	9			39	6	10			29	9	4		
09	123	12	12			100	16	8			80	11	10			84	11	5			39	4	6			35	6	6			35	10	8			29	2	4		
10	125	9	14			100	16	5			78	13	8			84	13	5			39	4	6			35	7	7			33	10	4			29	6	6		
11	125	10	11			102	17	6			80	12	10			87	8	8			39	10	6			35	6	6			35	8	2			29	6	4		
12	129	8	8			104	16	8			80	23	8			85	10	6			39	19	4			35	10	8			35	8	2			29	6	4		
13	131	10	6			104	21	6			84	26	14			87	11	9			39	18	4			35	12	4			37	11	8			32	5	5		
14	135	8	10			110	12	10			84	30	12			91	14	10			40	24	3			39	12	9			41	6	12			33	6	7		
15	135	10	10			114	12	16			98	18	24			92	11	13			52	22	22			55	12	12			42	7	9			33	6	6		
16	137	8	12			119	11	20			94	20	18			91	11	8			55	18	16			50	11	9			47	6	8			37	2	8		
17	133	10	6			114	19	15			98	19	20			92	12	10			57	17	13			54	14	7			48	6	6			35	4	5		
18	133	10	7			114	16	10			98	15	14			91	6	6			65	10	13			59	15	6			49	5	6			37	2	6		
19	135	8	8			118	13	8			102	10	6			93	6	4			71	9	12			63	7	9			50	6	6			37	4	8		
20	136	7	9			119	10	8			104	8	4			96	6	5			71	7	8			63	3	7			51	5	7			35	8	4		
21	136	8	6			120	11	8			106	8	6			97	4	8			71	6	10			65	1	8			51	3	3			34	5	5		
22	135	8	4			122	8	6			108	6	8			93	8	3			70	8	4			65	2	12			51	4	4			33	5	4		
23	135	8	8			122	8	6			106	8	4			93	8	4			71	6	8			64	2	7			49	6	6			33	6	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-DC

MONTH-HOUR VALUES OF RADIO NOISE

Station São José, Brazil Lat. 23.3 S Long. 45.8 W Month November 1961

Frequency (Mc)

Hour (LST)	.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	133	6	6	12.5	20.5	120	7	8	14.0	20.0	103	6	10	13.5	21.0	91	6	6	9.0	16.0	69	6	6	6.5	10.0	61	4	9	6.0	11.0	50	5	5	5.5	9.5	31	6	3	3.5	7.0
01	132	5	4	13.5	19.5	118	8	8	12.0	21.5	101	8	10	12.0	20.0	90	6	8	9.5	15.5	69	4	9	5.5	11.5	59	5	4	5.5	10.0	49	4	6	5.0	10.0	31	5	6	3.5	7.0
02	134	4	10	14.0	21.0	120	4	11	14.0	21.0	99	10	11	12.0	21.0	91	3	9	11.5	20.0	69	7	10	5.0	8.5	59	6	5	5.0	9.5	49	3	8	4.0	10.0	31	4	6	4.0	6.5
03	132	5	8	13.5	21.0	118	6	9	12.0	19.0	99	7	13	10.5	18.0	89	6	9	11.0	18.5	69	5	10	5.0	11.5	59	4	4	6.0	10.5	49	3	10	4.0	8.5	29	4	2	4.0	7.5
04	130	6	6	12.0	21.5	114	9	11	12.0	19.0	95	8	12	12.5	22.5	85	4	7	12.0	20.5	69	5	10	5.0	10.0	59	4	6	6.0	11.0	49	4	10	6.0	11.5	29	3	3	3.0	5.0
05	124	10	4	11.0	19.0	104	9	12	8.0	16.0	75	11	10	9.5	13.0	77	8	12	7.5	11.0	60	8	9	8.5	13.0	55	5	6	4.0	10.0	47	9	7	5.5	10.5	31	7	4	3.0	5.0
06	120	7	7	10.0	17.0	98	6	8	7.5	15.5	71	6	12	*9.5	*13.0	89	8	8	4.0	6.0	45	13	8	5.0	10.0	48	3	3	7.0	13.0	45	8	6	4.0	7.5	32	15	3	3.5	5.5
07	118	6	11	*12.0	*19.0	98	8	8	8.0	16.0	71	4	12	11.0	12.5	92	5	13	3.5	5.0	39	5	5	5.0	8.0	43	6	5	*9.0	*14.0	41	8	9	5.5	10.0	29	21	4	*1.5	*6.5
08	119	5	7	*8.0	*14.0	96	10	6	9.0	16.0	71	6	12	*7.0	*11.0	89	8	10	6.5	9.0	37	16	4	5.0	8.5	39	4	7	4.5	8.0	37	7	9	6.0	10.0	27	20	2	2.5	6.0
09	120	6	12	*10.0	*15.0	98	6	10	8.0	12.0						87	9	9	*11.0	*13.5	37	12	2	4.5	8.5	33	8	7	*4.5	*8.0	34	9	9	4.0	8.0	27	12	4	3.0	5.5
10	120	5	11	10.0	17.0	100	6	6	8.0	15.0	73	12	10	*6.5	*12.5	91	5	10	3.0	5.0	37	9	4	*5.0	*8.0	31	7	3	5.0	9.0	32	8	5	6.0	12.0	27	4	4	3.0	6.0
11	124	9	8	12.5	22.5	100	18	7	8.0	12.5	74	30	10	8.5	15.0	91	5	10	5.5	8.5	37	24	5	3.0	8.0	31	19	4	5.5	10.0	33	6	4	6.5	10.0	29	4	4	3.5	6.5
12	128	10	7	12.5	20.0	108	20	12	9.0	16.0	93	23	25	*14.0	*20.0	95	11	11	8.5	12.0	42	23	11	6.5	12.0	35	24	9	*7.0	*11.0	37	14	10	6.5	10.0	29	14	4	*9.5	*13.0
13	130	14	6	8.5	15.5	116	9	14	12.5	19.0	95	24	26	8.5	17.0	95	12	8	6.0	7.5	49	31	14	*9.0	*15.5	41	29	14	4.5	9.0	43	11	22	*8.0	*14.5	33	16	5	5.0	7.0
14	134	16	10	12.0	17.0	114	22	12	11.0	17.0	101	25	30	10.0	19.0	97	18	10	3.5	5.5	58	30	27	11.5	18.5	49	22	20	8.5	15.0	45	12	16	8.0	13.0	37	16	14	7.5	11.5
15	134	18	7	*9.0	*13.5	120	19	16	9.0	13.5	103	20	25	9.0	16.5	95	16	8	4.0	6.5	60	25	24	9.0	16.5	51	19	21	8.5	15.0	47	12	19	5.5	10.0	37	10	11	*4.0	*7.5
16	135	15	7	10.0	15.0	120	18	16	12.5	20.0	109	10	33	12.5	20.5	97	10	7	8.5	16.0	65	18	24	*5.0	*10.5	53	16	16	7.0	13.5	47	8	15	4.0	8.5	37	7	11	4.5	8.0
17	139	6	15	*11.0	*15.5	122	13	16	13.0	19.0	108	11	33	12.5	21.5	97	13	10	7.0	10.0	65	13	22	8.5	15.0	57	14	14	6.5	10.0	50	8	17	6.0	9.0	37	9	13	2.5	5.0
18	135	13	11	10.0	16.0	121	14	16	9.0	16.5	101	16	20	13.5	21.0	95	15	10	8.0	11.5	66	17	18	6.5	12.0	58	13	11	4.5	9.0	49	11	20	3.0	6.5	37	8	6	4.5	7.5
19	134	10	7	9.0	16.0	120	10	12	8.5	13.5	101	21	8	10.0	14.5	95	17	7	7.5	9.0	70	12	15	5.0	8.5	63	4	14	5.0	8.0	51	11	13	3.5	6.5	37	11	6	3.0	6.0
20	134	12	4	9.5	16.0	120	15	9	10.0	16.5	103	16	10	8.0	15.0	97	10	7	8.0	11.0	71	9	13	6.0	11.0	61	11	11	2.5	7.0	51	8	13	3.5	6.5	35	11	6	*3.0	*5.5
21	134	9	4	11.0	18.0	120	8	5	11.0	16.0	103	9	8	12.5	17.5	97	3	5	7.0	8.0	69	13	10	6.0	11.5	64	5	13	5.0	9.0	49	6	12	3.5	9.0	33	9	6	2.5	6.5
22	134	4	6	12.0	20.0	121	6	7	12.0	19.5	103	7	8	13.0	22.0	95	3	7	8.5	11.5	69	8	6	5.0	10.5	63	4	9	2.5	7.5	49	6	8	4.5	9.0	31	5	4	2.5	6.0
23	134	6	8	12.0	19.0	120	6	6	12.0	19.5	103	7	9	11.5	17.5	93	5	6	10.0	15.0	69	8	8	4.0	10.0	62	5	6	3.5	7.5	49	6	9	4.5	9.5	31	4	4	3.0	5.5

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Singapore, Malaya Lat. 1.3 N Long. 103.8 E Month September 1961

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	161	6	4	10.5	16.0	139	6	2	9.5	16.0	120	7	6	9.0	16.0	92	5	7	7.0	15.0
01	159	7	1	10.0	15.5	139	6	4	9.5	16.0	120	5	6	9.0	15.5	92	5	6	7.5	13.5
02	161	5	2	10.5	15.5	139	6	2	10.0	16.5	118	9	2	9.0	16.0	92	6	5	7.5	15.5
03	161	6	2	10.0	15.5	139	7	4	10.0	17.0	119	6	4	9.0	16.0	89	8	4	8.0	16.0
04	162	5	3	9.5	15.0	139	6	3	10.0	17.0	120	6	6	10.0	18.5	89	11	4	8.5	17.0
05	163	4	4	10.5	16.0	139	5	6	11.0	18.5	118	7	7	11.0	19.5	87	13	9	10.0	20.0
06	161	5	2	9.0	14.0	134	10	4	13.0	21.0	114	9	10	14.0	25.0	82	17	15	13.5	22.0
07	161	4	6	11.5	17.0	135	8	8	14.0	23.5	116	7	8	14.0	25.0	85	15	16	13.0	21.0
08	161	5	6	12.5	19.0	135	9	12	15.0	25.0	112	15	14	15.5	25.5	81	15	14	15.0	24.5
09	160	5	5	13.5	20.0	133	6	9	16.0	26.0	112	5	17	14.5	26.0	77	10	20	*15.0	*24.5
10	159	5	6	13.5	19.0	135	5	13	14.5	24.0	112	12	18	13.0	22.5	88	9	31	*13.0	*22.0
11	159	8	4	14.5	22.0	135	8	13	15.0	24.5	114	13	16	14.0	24.0	89	9	31	*14.5	*26.5
12	159	9	4	14.5	22.0	137	8	14	15.0	24.0	116	14	22	14.0	25.0	89	19	24	13.5	24.0
13	162	10	7	13.0	20.5	139	16	10	12.5	21.5	120	16	19	11.5	21.0	95	20	16	11.0	22.5
14	165	9	7	12.5	20.0	141	12	11	12.0	20.5	120	15	14	10.5	19.5	95	18	14	11.0	20.0
15	165	6	4	11.0	18.0	141	10	6	11.0	18.0	120	13	10	10.5	19.5	95	16	7	11.0	19.5
16	165	6	4	10.0	17.0	141	8	6	11.0	19.0	118	10	4	11.0	19.0	93	10	8	9.5	19.0
17	165	4	6	11.0	18.0	139	8	5	11.5	20.0	116	13	6	11.5	21.0	92	15	7	8.0	16.0
18	163	9	6	11.0	17.5	139	10	7	11.0	19.0	121	9	6	8.5	16.0	95	15	5	7.5	14.0
19	161	4	4	10.0	16.0	139	6	5	9.5	16.0	122	3	7	9.0	17.0	96	5	7	6.5	13.0
20	161	5	4	10.5	16.0	139	7	4	10.0	17.5	120	5	4	9.5	18.0	94	7	7	7.5	14.0
21	160	5	5	10.5	16.0	139	3	4	10.5	19.0	119	4	6	8.5	15.5	91	8	5	7.0	14.0
22	161	4	6	9.5	14.0	137	6	4	10.5	18.0	120	4	8	8.5	17.0	91	7	6	7.5	14.0
23	161	4	4	9.5	14.0	138	6	3	10.0	16.0	120	5	5	9.0	16.0	91	7	5	7.0	15.0

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	60	9	6	7.0	12.5	59	3	5	6.5	11.0	47	4	4	*5.0	*8.0	25	2	2	2.0	4.0
01	60	10	4	8.5	15.0	59	4	4	6.5	11.5	43	2	3	5.0	8.0	23	2	0	1.5	3.5
02	64	6	6	7.5	14.5	59	3	4	7.0	11.5	41	4	4	4.0	8.0	23	1	0	1.5	3.5
03	66	6	5	8.0	14.5	61	2	8	7.0	11.0	39	2	6	4.0	7.0	23	0	2	2.0	3.5
04	67	5	5	9.5	16.5	57	6	7	6.5	10.0	35	5	6	3.5	5.0	23	0	2	2.0	3.5
05	66	6	6	9.0	16.0	55	6	6	7.0	11.0	35	4	5	4.0	6.0	23	3	2	2.0	4.0
06	58	7	5	10.0	15.0	55	5	2	7.0	12.0	41	6	3	6.5	10.0	23	2	0	3.0	5.0
07	46	13	10	*9.5	*16.0	47	7	7	9.0	16.0	41	6	4	7.0	11.0	25	6	2	3.5	5.0
08	41	11	10	*10.5	*17.0	43	5	8	9.0	14.0	37	7	8	8.5	14.0	25	8	4	3.0	5.0
09	29	16	4	*10.0	*15.0	35	8	3	9.0	14.0	35	4	7	*8.0	*14.0	23	2	2	3.0	5.0
10	34	8	8	*6.0	*10.5	34	9	7	*7.5	*11.5	33	4	7	*9.0	*15.5	21	2	0	*3.0	*4.5
11	36	18	11			34	8	7	*7.5	*12.0	33	6	9	*10.0	*13.5	23	4	2	3.5	5.0
12	36	25	10	*8.5	*16.0	35	25	10	*11.0	*15.0	33	14	8	10.0	15.5	23	18	2	3.0	5.0
13	40	34	12	*10.0	*16.5	39	24	14	10.0	16.0	37	21	9	8.5	15.0	25	20	2	3.0	5.5
14	51	29	21	*8.5	*17.0	42	27	8	10.0	17.5	39	14	4	9.5	14.0	27	16	2	4.0	6.5
15	56	19	19	*11.0	*18.5	50	11	11	8.5	15.0	41	10	4	7.0	11.0	27	8	2	3.5	6.0
16	58	13	12	11.0	18.0	52	7	8	7.5	13.5	44	3	3	5.5	8.5	27	4	2	4.0	5.5
17	59	9	11	9.0	15.0	55	4	5	5.5	10.0	47	2	3	4.0	7.0	27	3	2	3.5	5.5
18	63	13	6	6.5	11.0	61	4	4	4.5	8.0	47	5	2	4.5	7.0	25	10	2	3.0	5.0
19	66	6	8	6.0	12.0	62	5	3	2.0	4.0	47	2	3	3.5	6.5	27	2	3	3.0	5.0
20	64	6	8	6.0	11.0	62	5	4	2.5	4.5	48	3	3	3.5	5.5	27	4	1	3.0	4.5
21	63	6	6	6.0	10.0	61	6	4	2.5	5.0	49	3	2	*3.5	*6.5	29	2	2	3.5	6.0
22	62	5	5	7.0	12.0	58	5	4	6.5	10.5	49	5	4	*3.0	*6.0	29	1	4	3.0	4.5
23	60	8	5	7.0	12.0	57	5	2	6.5	10.5	49	4	4	*5.0	*9.0	27	3	3	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 Singapore, Malaya Lat. 1.3 N Long. 103.8 E Month October 19 61

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	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	163	4	3	9.0	15.5	141	5	7	10.0	16.5	120	5	6	10.0	18.5	94	4	10	8.5	17.5	65	7	6	*7.0	*14.0	60	4	3	*5.5	*11.5	46	6	4	*4.0	*7.0	26	2	2	2.5	4.5
01	164	3	4	10.0	15.5	143	3	8	10.5	17.0	120	6	8	10.5	19.0	95	5	10	9.0	17.5	67	5	6	6.5	13.5	62	4	5	5.0	11.5	44	6	2	*4.5	*8.0	24	2	1	2.5	4.0
02	163	4	2	10.0	15.5	141	4	4	11.0	19.0	121	7	7	11.0	20.5	95	7	8	9.0	19.0	69	5	6	*6.0	*14.0	61	8	5	*5.5	*11.0	44	4	7	*4.5	*9.0	24	2	2	2.0	3.5
03	165	2	4	10.0	17.0	143	3	6	12.5	20.5	122	6	5	11.0	20.5	95	6	8	9.5	20.5	69	5	5	6.5	14.5	63	4	4	5.0	9.0	42	4	10	5.0	8.0	24	4	2	*2.0	*4.0
04	164	5	3	11.0	16.0	141	5	7	13.0	21.0	121	6	7	12.0	22.0	95	7	10	11.5	22.0	69	6	5	*8.0	*15.5	60	6	6	3.0	11.5	39	5	8	4.0	7.5	24	2	2	1.5	3.5
05	163	4	4	11.0	17.5	141	2	8	12.5	20.5	121	3	9	14.5	24.0	90	9	17	13.5	25.0	68	5	12	8.5	16.5	56	6	4	6.5	11.5	36	6	4	*5.0	*9.0	24	2	2	2.0	3.5
06	163	2	4	11.0	18.0	137	3	8	14.0	22.0	115	9	17	15.0	26.0	84	12	16	*12.5	*26.0	59	6	10	9.5	17.0	54	4	5	7.5	12.5	42	5	6	5.0	8.0	24	3	0	*3.0	*5.5
07	161	4	6	12.5	19.5	135	6	8	16.0	25.5	113	11	7	*15.5	*27.0	81	19	13	*15.0	*26.0	49	8	10	10.0	16.5	49	5	7	*11.0	*18.0	40	8	6	*7.0	*11.0	24	6	0	3.5	5.0
08	159	6	6	*14.5	*23.0	133	8	15	*16.5	24.5	112	12	14	*14.5	*25.0	82	18	20	*14.5	*23.0	47	10	16	*12.0	*20.0	42	9	10	*11.0	*18.0	36	10	8	10.0	15.5	24	2	2	*3.5	*5.5
09	158	6	5	*15.0	*23.0	129	7	11	*16.0	25.0	106	9	24	*16.5	*27.0	84	12	28	*12.5	*24.0	37	15	11	*11.0	*17.0	36	6	8	*13.0	*19.0	34	7	8	*10.0	*14.5	23	4	1	*3.0	*4.0
10	157	8	6	14.0	23.0	*129			*18.0	27.0	112	11	21	*18.0	*27.5	72	24	20	*13.5	*23.0	39	14	12	*11.0	*18.5	32	13	6			30	6	5	*10.5	*15.5	22	4	0	*2.5	*4.5
11	159	12	6	*15.0	*23.5	136	13	12	*16.5	25.0	*119			*18.0	*27.0	94	18	28	*13.5	*22.0	*43			*10.5	*17.0	36	14	9	*10.0	*16.0	*31			*9.0	*15.0	24	6	2	*3.0	*5.0
12	161	6	6	15.0	23.5	135	13	10	*14.0	23.5	118	14	24	*14.0	*25.0	94	14	24	*13.5	*22.0	44	28	17	*12.0	*19.5	38	24	13	10.0	16.5	36	10	10	*9.5	*14.0	27	9	3	3.5	6.5
13	165	2	8	14.0	21.5	139	10	12	15.0	24.0	121	10	15	14.5	25.0	97	12	22	*13.0	*24.0	41	27	12	*10.0	*17.0	44	18	20	*10.0	*15.5	40	12	12	9.0	16.0	32	4	8	6.5	7.5
14	165	5	6	14.0	24.0	140	11	9	14.0	22.0	124	11	19	13.5	24.5	101	14	21	14.0	25.0	45	26	10	*11.0	*18.5	46	13	12	*10.0	*16.0	42	13	7	7.0	13.0	28	16	2	4.5	7.0
15	165	9	6	12.0	20.0	139	14	8	13.0	22.0	120	12	12	13.5	24.5	98	10	19	12.0	22.0	47	34	12	*9.5	*15.0	48	18	14	11.0	19.0	44	10	6	*6.0	*10.0	28	5	2	5.0	7.0
16	165	4	5	12.0	19.0	139	7	7	13.0	22.0	119	7	12	14.0	23.0	96	6	19	14.0	23.5	57	10	20	9.5	16.5	50	8	7	8.5	15.0	46	8	4	5.0	8.5	28	3	2	3.0	6.0
17	163	4	5	12.0	18.5	139	4	9	13.0	22.0	116	6	10	11.0	20.5	90	7	10	10.5	17.5	53	11	10	8.0	14.0	58	5	5	5.5	10.5	48	8	4	4.0	7.0	28	2	3	4.0	6.0
18	161	4	3	11.0	18.0	141	3	7	12.0	21.0	120	5	6	10.0	19.0	94	7	6	9.0	16.0	63	4	4	5.5	11.5	62	4	4	3.5	7.0	48	8	2	4.0	7.0	26	6	2	3.0	5.0
19	161	7	2	11.0	17.5	141	4	4	12.0	20.0	120	4	5	10.0	18.0	94	6	5	8.0	15.5	65	5	2	5.0	10.5	66	4	6	*2.5	*4.5	48	7	2	4.5	8.0	26	2	0	3.0	5.0
20	163	8	4	11.0	17.5	141	5	5	11.5	20.5	120	6	4	11.0	19.0	92	8	4	9.5	16.5	67	2	4	5.0	10.5	66	4	4	2.0	4.0	50	10	4	*4.0	*7.0	28	3	2	2.5	5.0
21	161	5	2	10.0	16.0	139	6	4	12.0	21.0	118	6	3	10.0	19.0	92	6	4	7.5	19.0	67	4	8	6.0	10.5	66	4	6	2.5	4.0	50	15	4	4.0	7.5	30	2	3	3.5	6.0
22	163	3	5	10.0	15.5	140	5	6	11.5	19.0	120	6	5	11.0	21.0	94	3	8	10.0	18.0	65	5	7	7.0	14.0	62	4	5	5.5	10.0	52	7	5	4.0	7.0	30	0	3	3.0	5.5
23	163	3	4	8.5	14.0	141	4	6	10.0	16.0	119	5	5	10.0	18.0	94	2	8	8.5	17.0	66	5	7	6.0	13.5	62	3	4	6.0	10.5	48	5	1	4.0	7.5	28	2	4	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-DC

MONTH-HOUR VALUES OF RADIO NOISE

Station Singapore, Malaya Lat. 1.3 N Long. 103.8 E Month November 1961

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	163	6	4	11.5	18.0	143	4	7	12.0	20.0	121	6	6	10.5	19.0	94	6	6	11.0	19.0	67	6	7	7.5	14.5	63	4	4	7.0	12.0	48	5	2	5.0	8.5	24	2	2	2.0	4.5
01	164	3	6	12.0	19.0	143	4	7	12.5	20.0	119	7	4	10.5	19.0	94	4	8	10.0	18.0	69	4	6	7.5	14.5	63	4	4	6.0	10.5	46	6	4	5.0	8.5	24	2	2	3.0	5.0
02	163	4	4	12.5	19.5	141	5	5	12.0	20.5	120	5	6	10.5	19.0	92	8	5	9.5	18.5	70	3	7	8.5	15.5	63	4	4	6.0	10.5	44	10	4	6.5	11.0	22	4	0	2.5	4.5
03	163	5	5	12.0	19.0	141	4	4	12.5	21.0	119	5	4	12.0	22.0	90	10	4	10.0	20.0	69	6	5	8.5	15.5	65	2	6	6.0	10.5	44	5	4	5.5	10.0	24	0	2	2.5	4.5
04	163	4	5	12.5	19.0	141	4	5	13.0	21.5	119	4	5	12.5	23.0	92	8	6	12.0	22.5	69	4	4	9.0	16.0	64	3	5	7.0	12.0	40	4	4	5.0	9.0	24	0	2	2.5	4.0
05	163	4	4	12.5	19.0	139	6	7	14.0	22.5	113	8	6	15.0	25.0	80	16	8	15.0	25.5	67	6	4	10.0	17.5	61	4	6	7.0	13.0	42	2	6	6.0	10.0	24	2	0	2.5	4.5
06	161	5	4	12.0	20.0	135	8	8	16.0	24.0	107	14	8	*17.0	*28.0	76	13	10	*15.5	*26.0	56	6	7	9.5	16.0	56	3	5	8.0	14.0	44	4	4	7.0	11.0	24	3	0	2.5	4.5
07	159	6	2	14.0	21.0	133	6	6	16.5	26.0	106	9	9	*15.5	*26.0	74	16	10	*17.0	*25.0	47	10	6	9.5	15.0	49	6	6	*9.0	*15.0	43	3	5	8.5	13.0	24	4	0	*3.0	*5.0
08	160	6	3	15.0	24.0	*130			*18.5	*27.0	*104			*18.5	*28.0	*71			*17.0	*25.0	39	8	9	*10.0	*17.0	43	3	8	*9.5	*16.0	38	6	2	*9.0	*14.0	24	6	2	*3.0	*4.0
09	*159			16.0	24.0	*125			*16.0	*25.5	*98			*18.5	*28.0	*66					31	18	2	*12.0	*17.0	*34			*11.0	*17.5	34	10	2	*10.0	*15.0	*24			*3.0	*5.0
10	*159			*15.5	*23.0	*124			*16.0	*24.5	*103			*14.5	*25.0	*74			*16.5	*23.5	*31			*10.0	*15.0	*33			*10.0	*14.0	*36			*10.0	*16.0	*24			*5.0	*7.0
11	*161			*14.0	*21.0	*131			*13.0	*20.0	*111			*16.2	*25.0	*84			*15.0	*24.5	*45			*11.0	*19.0	*35					*37			*9.0	*16.0	*24			*3.0	*5.0
12	*163			*13.5	*20.5	137	13	6	*13.0	*23.5	116	11	8	*15.0	*25.0	93	15	15	*12.0	*23.0	*43			*12.0	*20.0	41	14	12	*11.0	*18.5	39	8	6	*9.5	*15.0	28	6	4	*3.5	*6.0
13	165	4	6	12.0	19.0	139	8	4	13.5	22.0	119	12	6	14.0	23.5	98	10	16	11.5	22.0	47	21	13	*14.0	*21.0	45	13	8	*10.5	*17.0	42	10	4	*7.0	*11.5	28	6	2	*4.0	*7.0
14	165	4	2	12.0	19.0	143	6	6	12.0	20.0	121	14	8	12.0	22.0	98	16	8	12.0	20.5	54	18	17	*15.0	*21.0	49	18	10	*9.5	*17.0	46	10	4	7.0	11.5	30	16	4	7.0	9.5
15	167	6	4	11.5	19.0	145	8	8	12.5	20.5	121	8	8	*11.0	*19.0	96	10	10	*10.0	*19.0	55	22	12	*11.5	*18.5	53	14	10	*7.5	*14.0	48	6	6	5.0	9.0	30	4	4	3.5	6.0
16	165	6	2	11.0	18.5	142	9	4	13.5	21.5	117	12	5	14.0	24.0	92	10	5	*11.5	*21.0	55	12	8	*9.0	*15.0	57	8	8	6.0	12.5	50	14	6	4.5	7.5	30	8	4	4.0	7.0
17	165	3	4	12.5	20.5	141	4	4	13.5	22.0	117	4	4	12.0	20.0	92	9	4	9.5	17.0	61	6	8	6.0	11.0	61	2	4	5.5	10.0	50	13	4	5.0	7.5	28	3	3	3.5	6.0
18	163	5	2	12.0	20.5	141	6	2	11.5	19.5	121	4	4	8.5	16.0	96	10	6	7.0	13.5	67	3	4	6.0	12.0	63	1	2	5.0	9.0	50	14	3	4.5	8.0	26	5	2	3.0	5.5
19	163	6	3	13.0	20.0	143	4	5	12.0	20.5	120	6	3	10.0	18.0	96	8	8	8.0	16.0	67	6	4	7.0	13.5	65	2	4	4.0	7.0	48	7	4	5.0	8.5	26	2	2	2.5	5.0
20	163	6	4	12.0	19.0	143	4	6	12.0	20.0	121	5	5	9.5	17.5	95	7	8	8.0	16.0	67	4	4	7.0	14.0	63	4	2	4.0	7.0	48	16	2	5.0	8.0	27	1	3	3.0	5.0
21	163	4	4	12.0	18.5	141	4	3	12.0	21.0	121	4	6	10.0	18.5	93	7	5	8.0	15.0	67	4	4	7.5	14.0	63	4	2	4.5	7.5	50	4	3	4.5	8.0	28	2	2	3.5	6.0
22	163	6	3	12.5	19.5	141	5	3	12.5	21.0	121	5	5	10.0	18.5	94	6	6	9.0	17.0	68	3	5	8.0	14.0	63	5	4	*6.0	*10.0	50	4	3	5.0	9.0	28	2	2	3.0	5.5
23	163	4	3	12.0	19.0	141	5	3	12.5	20.0	121	4	6	10.5	19.0	95	3	7	8.5	18.0	67	5	5	8.5	15.0	63	6	4	6.0	11.0	50	9	3	5.0	9.0	26	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

USCOMM-NBS-DC

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0 N Long. 79.5 W Season Fall (Sept. Oct. Nov.) 1961

	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	163	5	10	12.0	17.0	163	6	9	12.5	18.0	160	7	6	12.0	18.0	165	6	6	10.5	15.0	163	6	8	11.0	15.5	162	5	10	11.5	17.0
.051	143	5	9	10.5	15.0	140	11	11	12.5	18.0	136	11	12	14.0	20.0	142	9	9	11.5	16.5	140	7	8	10.0	15.0	140	7	8	9.5	15.0
.160	123	6	7	8.5	14.0	120	10	15	12.0	18.5	115	13	18	14.0	21.0	123	11	18	13.0	19.0	119	9	10	11.0	17.5	122	5	8	7.5	12.5
.495	99	7	7	6.5	10.5	92	14	15	11.5	19.0	86	15	15	11.5	18.5	97	15	16	14.0	21.5	94	10	9	8.0	13.0	99	5	6	5.0	9.5
2.5	71	6	9	5.5	9.5	65	7	10	7.0	12.0	54	12	10	4.0	7.5	60	16	13	6.5	11.0	63	9	10	6.0	10.0	70	4	9	5.0	8.5
5	61	4	8	4.5	7.5	56	4	8	5.5	8.5	41	10	8	8.0	12.0	47	14	10	9.0	13.5	59	6	6	5.0	8.0	62	3	6	4.5	7.5
10	42	5	7	4.0	6.5	40	5	5	4.0	6.0	35	6	5	7.5	11.0	40	8	5	7.0	10.5	47	3	6	4.0	6.5	46	6	4	4.0	7.0
20	22	4	1	2.0	3.0	24	4	2	2.0	3.5	26	5	3	4.0	6.0	32	6	4	4.0	6.0	29	4	3	3.0	5.0	23	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

USCOMM-NBS-BL

RN-14

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Bill, Wyoming Lat. 43.2 N Long. 105.2 W Season Summer (*** July Aug.) 1961

	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	163	3	3	11.0	17.0	160	4	4	13.0	19.0	160	3	3	13.0	18.5	167	4	2	9.0	13.5	168	6	4	9.0	13.5	166	3	4	10.5	16.0
.051	141	4	4	9.5	16.5	134	8	6	13.5	19.5	133	6	4	12.5	18.0	142	6	4	9.0	13.0	144	10	5	8.0	10.5	143	7	5	9.0	13.0
.160	118	5	4	8.5	14.0	105	14	10	14.0	20.5	103	10	10	12.5	19.0	120	8	10	10.5	16.5	124	12	12	9.0	14.0	121	9	6	7.5	12.5
.495	95	6	4	8.0	13.0	74	11	10	11.5	17.5	73	12	10	10.0	15.0	94	13	12	11.5	18.0	96	22	15	9.0	16.5	98	11	10	6.5	11.5
2.5	71	4	4	5.5	9.5	49	14	6	8.5	12.0	30	8	6	5.5	8.0	48	17	12	10.0	14.0	58	22	15	7.5	10.5	72	6	4	5.0	8.5
5	62	3	3	5.5	8.5	49	6	6	8.0	10.5	31	8	6	7.5	10.0	39	10	6	7.0	11.0	56	11	6	5.0	8.0	66	3	4	5.0	8.0
10	43	4	5	6.5	9.0	41	4	4	6.0	9.0	35	8	6	6.5	9.5	42	3	5	5.0	8.0	51	2	4	4.0	6.5	51	3	5	5.0	8.0
20	23	6	2	6.5	10.0	23	6	4	5.5	8.5	22	7	4	4.5	6.0	26	6	8	5.0	6.5	28	11	6	4.5	7.5	25	7	5	6.0	10.0

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 June Data

USCOMM-NBS-DC

RN-14

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Bill, Wyoming Lat. 43.2 N Long. 105.2 W Season Fall (Sept. Oct. ***) 1961

	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	5	5	10.5	17.0	155	6	4	11.5	18.5	155	6	5	11.0	17.0	157	6	4	9.0	14.0	158	6	5	10.0	16.0	159	6	4	10.5	17.0
.051	134	6	6	8.5	14.5	127	8	5	10.0	16.0	123	10	12	11.0	17.0	126	9	10	9.5	14.0	130	9	6	8.5	14.0	134	8	5	8.5	14.0
.160	111	9	7	7.5	14.0	98	12	14	11.0	18.0	90	18	20	9.5	16.0	96	16	18	8.5	14.0	104	13	10	7.5	13.0	113	10	7	7.0	12.5
.495	89	8	14	7.5	14.0	64	12	8	7.5	12.5	57	13	6	4.0	8.0	61	15	10	4.5	7.5	74	16	13	6.0	10.5	90	11	12	6.5	11.0
2.5	62	9	6	6.0	9.5	49	9	8	6.5	10.0	28	6	7	3.0	5.0	28	9	6	3.0	4.5	50	10	8	5.0	8.0	64	8	6	6.0	9.5
5	56	5	5	4.5	7.5	48	6	8	6.0	9.0	28	13	7	4.5	6.0	32	12	9	5.5	8.0	52	5	8	4.5	7.0	57	5	4	4.5	7.5
10	36	6	6	4.0	6.5	38	5	5	4.0	7.0	33	10	5	4.0	6.0	38	6	7	4.5	7.0	46	4	6	3.5	6.0	40	6	5	4.0	6.5
20	21	3	4	2.5	3.5	22	4	4	2.5	4.0	23	5	5	3.0	4.0	26	6	6	3.0	5.0	24	4	5	3.0	4.0	22	3	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

USCOMM-NBS-BL

RN-14

***No November Data.

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1 N Long. 105.1 W Season Fall (Sept. Oct. Nov.) 1961

	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	5	3	11.0	17.5	154	4	4	12.0	18.5	152	4	3	12.0	18.0	155	5	3	9.5	15.5	156	4	5	11.0	17.5	156	4	4	10.5	17.0
.051	128	10	6	9.5	16.0	121	8	4	11.5	18.5	114	12	8	11.5	17.5	118	8	7	10.5	16.5	124	10	5	9.5	16.0	128	9	4	9.0	15.5
.160	104	12	5	8.0	14.5	86	18	10	7.5	13.0	80	20	12	6.5	11.0	84	14	8	6.0	11.0	98	15	10	8.0	14.0	104	14	5	7.5	13.0
.495	86	12	6	6.5	12.0	68	11	4	5.5	9.0	64	13	4	4.0	7.0	68	10	8	4.5	8.0	78	17	8	5.5	10.0	88	12	5	6.5	11.5
2.5	61	9	6	5.0	8.0	52	7	4	4.0	6.5	46	5	4	2.5	4.0	48	5	6	2.5	4.5	56	8	5	3.0	5.5	62	10	4	4.0	8.0
5	57	5	5	4.0	7.5	51	5	4	4.5	7.0	41	6	4	2.5	4.5	42	6	5	3.0	5.0	54	5	4	4.0	6.0	57	5	4	4.0	7.0
10	38	7	5	4.0	6.0	41	6	6	3.5	6.0	36	8	4	4.0	6.5	42	6	5	4.5	8.0	48	4	5	3.0	6.0	41	7	6	3.5	6.0
20	22	2	1	1.5	3.0	24	3	2	2.0	4.0	26	5	3	2.5	4.0	29	6	4	3.5	5.5	25	5	2	2.5	4.0	23	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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Byrd Station, Ant. Lat. 80.0 S Long. 120.0 W Season Spring (Sept. Oct. Nov.) 19 61

	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	111	2	3			110	2	2			110	2	3			110	2	2			111	3	2			112	3	3		
.113	85	4	4			84	3	3			84	3	4			84	3	3			84	3	4			84	3	3		
.246	72	4	4			73	3	4			73	4	4			72	5	3			72	3	3			72	4	3		
.545	59	5	5			59	6	5			60	6	5			60	6	5			59	5	3			58	5	4		
2.5	32	7	4			32	4	5			31	4	4			32	5	4			33	5	4			32	6	4		
5	29	11	9			25	8	7			20	5	4			24	5	6			30	7	8			33	9	10		
10	25	7	9			22	6	10			21	3	7			22	4	5			28	5	7			27	8	7		
20	19	1	1			20	1	2			20	2	2			20	1	1			20	1	1			20	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-DL

RN-14

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Cook, Australia Lat. 30.6 S Long. 130.4 E Season Spring (Sept. Oct. Nov.) 19 61

	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	2	2	7.5	12.5	155	2	2	8.5	14.5	152	3	3	11.5	18.5	154	3	3	9.5	16.0	155	4	3	8.5	14.5	155	3	2	8.0	13.5
.051	129	4	3	8.0	14.0	122	6	3	8.0	14.5	114	8	4	11.0	18.5	121	6	5	9.5	16.0	122	8	6	8.0	14.5	129	4	4	8.5	14.5
.160	105	7	5	7.0	13.5	86	12	7	8.0	14.0	78	11	9	8.0	13.5	85	15	8	6.5	11.0	95	13	10	9.0	16.0	106	7	5	7.0	13.5
.545	82	9	6	6.5	12.0	55	12	6	6.0	9.5	50	15	8	6.5	8.0	54	13	6	7.5	11.0	69	10	10	6.0	12.0	86	6	6	6.5	12.5
2.5	59	8	6	6.5	11.5	45	10	6	6.0	10.5	22	12	3	5.5	8.0	23	16	4	4.0	5.5	45	13	9	5.0	10.0	61	7	7	6.0	12.0
5	55	5	6	5.0	9.0	44	7	6	6.0	10.0	22	13	5	5.5	7.0	26	10	6	5.0	7.5	47	7	7	5.5	9.5	56	5	5	5.5	10.0
10	42	7	7	4.5	7.5	36	5	5	4.0	6.5	26	9	4	3.5	5.0	31	7	6	4.5	7.5	45	4	7	6.0	9.5	46	7	5	5.5	8.5
20	23	1	1	3.0	5.0	23	2	1	2.5	4.0	23	2	2	3.0	4.5	24	2	2	3.0	5.0	26	3	2	3.0	5.0	24	2	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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Enkoping, Sweden Lat. 59.5 N Long. 17.3 E Season Fall (Sept. Oct. Nov.) 19 61

	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	3	2	9.5	15.5	154	3	3	11.0	17.5	149	5	3	11.5	18.0	150	5	4	8.5	14.0	151	6	3	7.5	12.5	154	4	2	8.0	12.5
.051	121	6	5	9.5	15.0	116	8	6	11.0	17.0	109	9	11	13.0	19.5	112	8	12	12.0	17.5	116	7	7	10.0	15.5	122	5	7	9.5	14.5
.160	103	5	6	4.5	9.5	95	6	8	5.5	9.5	86	8	9	4.0	7.5	86	9	7	4.5	7.5	93	8	6	4.5	8.0	101	7	5	5.0	9.5
.495	81	11	9	4.0	7.0	61	11	6	3.5	5.5	55	9	4	3.0	5.0	56	13	4	2.5	4.0	73	14	8	2.5	5.0	81	12	8	4.0	7.5
2.5	56	7	5	5.0	9.0	49	8	6	6.0	10.0	36	6	6	4.0	6.0	37	7	6	3.0	5.0	49	8	7	4.0	7.0	56	7	5	5.0	9.0
5	53	6	5	5.0	8.5	48	6	6	5.5	9.0	33	9	5	4.5	7.0	34	8	7	4.5	7.0	50	8	6	4.5	8.0	54	5	6	4.0	7.5
10	35	8	4	3.0	5.0	40	8	5	4.5	6.5	42	7	6	8.0	12.5	47	8	7	5.5	9.5	47	8	7	4.5	8.0	39	8	5	4.0	6.5
20	18	2	3	1.5	3.0	18	3	4	2.0	3.5	22	4	4	3.0	5.0	23	4	5	3.5	5.5	20	3	4	1.5	3.5	18	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-BL

RN-14

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Front Royal, Virginia Lat. 38.8 N Long. 78.2 W Season Fall (Sept. Oct. Nov.) 19 61

	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	108	8	5			101	10	6			93	11	6			94	18	5			103	13	8			109	8	6		
.500	88	8	4			71	10	5			57	9	3			60	17	3			72	15	9			88	7	6		
2.5	66	8	5			54	8	6			32	8	3			33	16	3			53	11	7			66	7	6		
5	60	6	5			52	6	4			31	6	3			33	12	4			53	7	6			60	5	4		
10	40	3	2			39	3	2			38	4	3			41	4	4			47	4	4			42	4	2		
20	22	1	1			22	1	1			23	2	1			26	2	1			28	1	2			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-BL

RN-14

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Kekaha(Kauai), T.H. Lat. 22.0 N Long. 159.7 W Season Fall (Sept. Oct. Nov.) 19 61

	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	152	3	2	13.0	17.5	153	3	3	11.5	18.5	150	4	3	11.5	17.5	150	4	3	13.0	20.0	149	3	3	12.0	19.5	151	4	2	10.0	16.5
.051	130	5	3	11.0	15.5	129	4	3	11.5	19.5	110	11	6	14.5	20.5	110	12	7	14.5	23.0	110	8	5	11.5	18.0	123	6	5	12.0	18.5
.160	107	6	5	11.0	18.5	99	10	6	12.0	20.0	76	21	6	12.5	21.5	77	17	7	11.5	21.0	81	12	6	10.5	18.0	100	10	7	11.0	19.5
.495	85	9	7	11.5	20.5	73	13	8	11.5	21.0	54	20	6	6.5	10.5	52	18	6	7.5	11.5	60	12	6	7.0	11.5	81	11	7	11.5	21.0
2.5	57	8	4	8.0	11.5	54	7	6	7.0	11.5	35	7	3	3.5	5.0	33	6	3	3.0	5.0	39	8	5	4.0	6.5	56	8	6	8.0	12.5
5	58	8	6	6.0	10.0	47	5	4	6.0	10.0	26	8	5	7.5	11.5	23	8	4	8.0	11.5	37	8	6	9.0	14.0	48	6	4	6.0	10.0
10	36	6	4	4.0	5.5	34	5	3	3.5	6.0	25	7	6	6.0	9.0	22	8	6	8.0	10.5	35	4	3	4.5	7.0	38	5	3	3.5	5.5
20	22	1	1	1.5	3.5	22	2	0	1.5	3.0	21	2	1	2.5	4.5	22	2	1	3.0	4.5	24	2	2	2.0	4.0	23	2	1	1.5	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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station New Delhi, India Lat. 28.8 N Long. 77.3 E Season Winter (Dec. Jan. Feb.) 1960-61

	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	4	4	7.5	11.5	156	4	5	9.0	13.0	151	5	4	8.5	12.0	151	6	3	8.5	12.5	155	5	3	6.5	10.5	157	5	3	6.0	9.5
.051	129	6	4	8.5	13.0	125	8	4	9.0	13.5	111	15	7	11.0	14.5	111	16	6	11.0	16.0	115	16	7	10.5	15.5	127	6	4	7.5	11.0
.160	102	11	7	7.0	10.0	96	11	7	7.0	11.0	88	10	7	6.0	9.5	88	21	9	5.0	8.5	95	15	9	8.5	12.0	101	7	6	7.0	11.0
.545	81	14	5	5.5	8.5	77	12	7	3.5	5.5	70	11	4	2.0	4.0	70	15	5	2.0	3.5	77	16	5	5.0	7.0	82	10	6	5.0	8.0
2.5	56	14	5	5.0	7.5	53	14	5	5.5	8.5	43	14	6	4.5	7.0	43	14	6	4.5	8.0	49	15	6	4.5	7.5	54	16	5	5.0	8.0
5	55	11	5	4.5	8.0	52	12	6	5.5	8.0	33	11	5	6.0	9.0	33	17	5	5.5	8.5	53	10	7	5.0	7.5	54	14	6	4.5	7.5
10	38	9	4	4.5	7.0	37	6	3	4.0	6.5	36	7	4	6.0	9.0	35	12	4	5.5	9.0	45	8	5	5.0	7.5	42	9	4	4.5	7.5
20	26	4	0	2.0	3.5	28	5	2	2.5	4.0	29	6	3	4.5	6.0	30	6	3	4.5	6.5	31	6	4	3.5	5.0	27	4	2	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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station New Delhi, India Lat. 28.8 N Long. 77.3 E Season Spring (Mar. Apr. May) 19 61

	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	2	3	8.0	12.0	154	2	5	5.0	13.5	152	3	5	9.5	13.5	155	4	5	8.5	12.5	158	4	5	7.5	11.0	158	3	3	7.5	10.5
.051	135	6	4	8.0	12.5	126	8	4	9.5	14.0	122	8	7	10.0	11.0	129	9	8	9.0	13.5	132	10	10	8.5	13.0	135	8	5	7.5	11.5
.160	114	8	7	7.5	12.0	101	11	10	10.5	15.5	98	7	9	8.0	12.5	107	11	11	6.5	11.5	113	11	11	7.5	11.5	115	8	7	6.5	10.5
.545	90	8	8	8.0	12.5	76	12	8	8.5	12.5	73	8	7	6.5	8.0	80	16	10	6.5	11.0	88	5	8	6.5	10.5	94	7	6	6.0	8.5
2.5	65	8	7	5.5	8.0	56	10	8	4.5	7.0	44	8	9	2.0	3.5	46	10	9	2.5	4.0	58	12	9	3.5	6.0	68	7	8	5.0	9.0
5	60	8	4	4.5	6.5	53	8	7	5.0	7.5	36	12	8	5.0	6.5	41	12	7	4.0	7.0	59	9	7	4.0	6.0	61	6	5	5.0	7.5
10	46	10	10	5.5	9.0	39	6	10	3.5	5.0	33			3.5	5.0	39	8	10	4.0	7.0	48	8	8	5.0	7.0	47	10	10	6.0	8.5
20	27	4	2	2.0	3.0	28	3	2	2.0	3.0	29	3	3	4.0	6.0	33	5	4	5.0	8.0	35	5	6	4.0	6.0	28	4	3	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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Ohira, Japan Lat. 35.6 N Long. 140.5 E Season Fall (Sept. Oct. Nov.) 19 61

	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	151	5	5	10.0	15.0	150	6	5	10.0	15.5	149	6	4	12.5	18.5	151	6	4	11.0	17.5	151	5	5	9.0	14.5	152	6	6	9.5	15.5
.051	129	5	5	10.5	17.5	124	9	8	11.5	19.0	116	13	10	13.5	21.5	117	12	8	12.0	19.0	120	8	9	10.0	16.5	128	7	5	10.0	17.0
.160	111	6	8	8.5	15.5	96	16	11	10.0	17.5	89	19	15	11.5	20.0	85	24	12	12.0	20.0	97	16	9	13.0	21.0	108	10	7	8.5	16.0
.545	87	8	6	9.0	14.5	75	13	8	8.0	15.0	68	16	6	7.0	14.0	68	19	6	7.5	14.5	85	11	7	8.0	15.5	94	7	8	7.0	14.0
2.5	58	8	6	6.5	11.0	50	10	5	6.5	10.5	36	9	4	6.5	9.0	36	12	4	7.0	10.0	49	12	5	6.5	10.5	58	10	6	6.0	10.5
5	56	7	5	6.0	10.0	54	12	8	7.0	11.0	35	10	4	7.0	10.5	35	12	4	6.5	9.5	55	8	5	6.0	10.0	64	9	6	5.0	9.5
10	40	12	6	4.0	7.0	35	10	4	4.0	6.5	32	10	5	5.5	8.5	35	8	5	5.0	8.5	46	14	6	3.5	6.5	45	12	7	3.0	5.5
20	25	1	2	1.0	2.5	25	2	1	1.5	3.5	25	5	1	2.5	4.0	26	3	1	2.0	4.0	27	2	1	2.0	4.0	25	1	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-14

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Pretoria, S. Africa Lat. 25.8 S Long. 28.3 E Season Spring (Sept. Oct. Nov.) 1961

	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	6	4			153	5	4			151	7	4			158	6	4			161	6	4			158	6	3		
.051	130	9	8			121	11	8			117	13	12			130	13	8			133	15	10			134	11	9		
.160	108	13	7			89	22	14			81	26	11			103	22	14			112	17	16			111	26	8		
.495	91	10	8			70	19	9			80	10	23			88	15	19			92	17	15			95	11	7		
2.5	66	9	6			54	9	6			45	6	7			48	17	7			59	18	8			70	8	5		
5	56	6	6			48	8	7			37	8	10			40	15	10			54	14	10			58	8	8		
10	34	8	6			32	7	6			23	12	7			31	12	7			43	7	6			40	6	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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Rabat, Morocco Lat. 33.9 N Long. 6.8 W Season Summer (June July ***) 1961

	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	2			153	2	2			151	3	2			155	3	4			156	5	3			154	4	3		
.051	131	4	5			120	8	4			117	9	6			124	8	5			126	12	5			131	7	6		
.160	115	6	4			91	15	6			91	10	7			97	16	11			99	21	14			113	8	6		
.495	86	12	6			66	16	4			62	12	6			68	23	10			72	25	10			88	12	6		
2.5	63	8	5			55	7	7			37	8	6			35	14	4			43	20	7			64	8	5		
5	58	6	4			46	5	4			27	7	3			27	13	5			46	14	10			58	7	3		
10	46	5	4			40	4	4			30	6	5			32	10	6			45	7	5			47	4	3		
20	25	2	2			25	4	2			25	5	2			27	6	3			31	4	4			26	5	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

*** No August Data

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. Oct. Nov.) 19 61

	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	157	3	3			157	3	4			154	4	4			156	4	4			157	3	3			158	4	3		
.051	133	4	5			129	4	5			120	8	10			123	9	9			127	10	6			132	6	5		
.160	117	5	5			105	7	7			96	10	9			98	14	9			106	11	10			114	6	6		
.495	91	7	7			75	11	8			61	18	6			66	21	11			82	15	10			91	7	6		
2.5	62	7	8			56	7	7			36	13	5			37	11	6			53	10	9			62	7	6		
5	59	5	9			55	5	10			33	9	9			35	9	9			53	8	8			57	8	7		
10	43	5	6			42	4	7			37	7	5			39	9	7			46	8	6			44	6	4		
** 20	25	2	4			27	4	5			32	6	8			31	4	5			30	4	3			26	2	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 November Data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station São José, Brazil Lat. 23.3 S Long. 45.8 W Season Spring (Sept. Oct. Nov.) 19 61

	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	134	6	9	13.5	20.5	126	9	9	11.0	19.0	122	8	11	10.0	17.0	128	10	8	10.5	16.5	132	9	8	10.0	15.5	134	7	7	11.0	18.0
.113	121	7	11	13.0	20.5	108	10	10	4.5	16.5	100	13	8	8.0	14.0	108	15	12	10.5	16.5	114	14	13	11.0	17.0	120	9	8	11.0	18.0
.246	104	8	8	12.0	20.0	86	10	11	10.5	15.0	78	14	10	7.5	13.0	88	21	18	9.5	18.0	97	14	16	12.0	19.5	104	8	7	11.0	18.0
.545	92	7	8	10.0	17.5	86	7	11	7.0	10.5	87	8	10	6.5	9.0	90	11	10	5.5	8.0	91	10	8	8.0	11.5	94	6	7	8.5	11.5
2.5	70	8	8	5.5	10.5	57	10	10	6.0	10.0	37	13	6	4.5	8.0	44	19	12	9.0	15.5	62	13	16	6.0	11.5	70	9	9	6.0	10.5
5	60	6	7	5.5	10.0	52	7	7	6.5	12.0	35	9	7	5.0	9.0	39	15	11	7.0	12.5	55	11	10	6.0	10.0	62	6	9	3.5	8.0
10	48	6	8	4.5	9.5	44	9	8	5.0	10.0	35	9	7	5.5	10.0	39	9	11	7.0	12.0	48	7	11	4.0	7.5	50	6	8	4.0	8.5
20	30	5	4	4.0	7.0	29	7	4	3.0	5.5	28	7	4	3.0	6.0	31	9	6	6.5	10.0	35	6	8	3.5	6.5	32	7	5	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

** No September and October Data.

USCOMM-NBS-BL

RN-14

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Singapore, Malaya Lat. 1.3 N Long. 103.8 E Season Fall (Sept. Oct. Nov.) 1961

	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	162	5	3	10.5	17.0	162	4	4	11.5	12.5	159	7	5	14.5	22.0	164	6	5	13.0	20.5	163	5	4	11.5	18.5	162	5	4	10.5	16.5
.051	141	5	5	11.0	18.5	137	6	6	13.5	22.0	131	8	11	16.0	25.0	140	11	9	13.0	22.0	140	6	5	12.0	20.0	140	5	4	11.0	19.0
.160	120	6	5	10.0	18.5	115	8	8	14.0	24.0	110	11	18	16.0	26.0	120	12	14	13.0	23.0	119	7	6	11.0	19.5	120	5	5	10.0	19.0
.545	93	6	7	9.0	17.5	85	13	11	13.0	23.0	80	14	24	13.0	22.0	96	14	16	12.0	22.0	94	9	8	9.0	17.0	93	6	6	8.0	16.0
2.5	66	6	6	7.5	14.5	60	7	7	9.5	16.0	38	14	9	10.5	16.5	47	26	14	11.0	18.0	61	8	8	7.5	13.5	65	5	6	8.0	12.5
5	62	4	5	6.0	11.0	55	5	6	7.5	13.0	36	8	7	10.0	15.0	44	18	12	10.0	16.5	59	4	5	5.0	9.0	62	5	4	4.5	8.0
10	44	5	4	5.0	8.5	40	5	5	5.5	9.0	34	7	6	9.5	15.0	41	12	7	8.0	13.0	48	8	3	4.5	7.5	49	7	3	4.0	7.5
20	24	2	1	2.0	4.0	24	3	1	2.5	4.5	23	4	2	3.0	5.0	28	11	3	4.0	6.5	27	4	2	3.5	5.5	28	2	3	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

USCOMM-NBS-BL

U. S. DEPARTMENT OF COMMERCE
Luther H. Hodges, Secretary

NATIONAL BUREAU OF STANDARDS
A. V. Astin, Director

THE NATIONAL BUREAU OF STANDARDS

The scope of activities of the National Bureau of Standards at its major laboratories in Washington, D.C., and Boulder, Colorado, is suggested in the following listing of the divisions and sections engaged in technical work. In general, each section carries out specialized research, development, and engineering in the field indicated by its title. A brief description of the activities, and of the resultant publications, appears on the inside of the front cover.

WASHINGTON, D.C.

Electricity. Resistance and Reactance. Electrochemistry. Electrical Instruments. Magnetic Measurements. Dielectrics. High Voltage.

Metrology. Photometry and Colorimetry. Refractometry. Photographic Research. Length. Engineering Metrology. Mass and Scale. Volumetry and Densimetry.

Heat. Temperature Physics. Heat Measurements. Cryogenic Physics. Equation of State. Statistical Physics.

Radiation Physics. X-ray. Radioactivity. Radiation Theory. High Energy Radiation. Radiological Equipment. Nucleonic Instrumentation. Neutron Physics.

Analytical and Inorganic Chemistry. Pure Substances. Spectrochemistry. Solution Chemistry. Standard Reference Materials. Applied Analytical Research.

Mechanics. Sound. Pressure and Vacuum. Fluid Mechanics. Engineering Mechanics. Rheology. Combustion Controls.

Organic and Fibrous Materials. Rubber. Textiles. Paper. Leather. Testing and Specifications. Polymer Structure. Plastics. Dental Research.

Metallurgy. Thermal Metallurgy. Chemical Metallurgy. Mechanical Metallurgy. Corrosion. Metal Physics. Electrolysis and Metal Deposition.

Mineral Products. Engineering Ceramics. Glass. Refractories. Enamelled Metals. Crystal Growth. Physical Properties. Constitution and Microstructure.

Building Research. Structural Engineering. Fire Research. Mechanical Systems. Organic Building Materials. Codes and Safety Standards. Heat Transfer. Inorganic Building Materials.

Applied Mathematics. Numerical Analysis. Computation. Statistical Engineering. Mathematical Physics. Operations Research.

Data Processing Systems. Components and Techniques. Computer Technology. Measurements Automation. Engineering Applications. Systems Analysis.

Atomic Physics. Spectroscopy. Infrared Spectroscopy. Solid State Physics. Electron Physics. Atomic Physics.

Instrumentation. Engineering Electronics. Electron Devices. Electronic Instrumentation. Mechanical Instruments. Basic Instrumentation.

Physical Chemistry. Thermochemistry. Surface Chemistry. Organic Chemistry. Molecular Spectroscopy. Molecular Kinetics. Mass Spectrometry.

Office of Weights and Measures.

BOULDER, COLO.

Cryogenic Engineering. Cryogenic Equipment. Cryogenic Processes. Properties of Materials. Cryogenic Technical Services.

Ionosphere Research and Propagation. Low Frequency and Very Low Frequency Research. Ionosphere Research. Prediction Services. Sun-Earth Relationships. Field Engineering. Radio Warning Services. Vertical Soundings Research.

Radio Propagation Engineering. Data Reduction Instrumentation. Radio Noise. Tropospheric Measurements. Tropospheric Analysis. Propagation-Terrain Effects. Radio-Meteorology. Lower Atmosphere Physics.

Radio Standards. High Frequency Electrical Standards. Radio Broadcast Service. Radio and Microwave Materials. Atomic Frequency and Time Interval Standards. Electronic Calibration Center. Millimeter-Wave Research. Microwave Circuit Standards.

Radio Systems. Applied Electromagnetic Theory. High Frequency and Very High Frequency Research. Modulation Research. Antenna Research. Navigation Systems.

Upper Atmosphere and Space Physics. Upper Atmosphere and Plasma Physics. Ionosphere and Exosphere Scatter. Airglow and Aurora. Ionospheric Radio Astronomy.


NBS