NBS

Technical Note

No. 18-10

Boulder Laboratories

QUARTERLY RADIO NOISE DATA

MARCH, APRIL, MAY 1961

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. 18-10

August 14, 1961

QUARTERLY RADIO NOISE DATA
MARCH, APRIL, MAY 1961

by

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

DISTRIBUTED BY

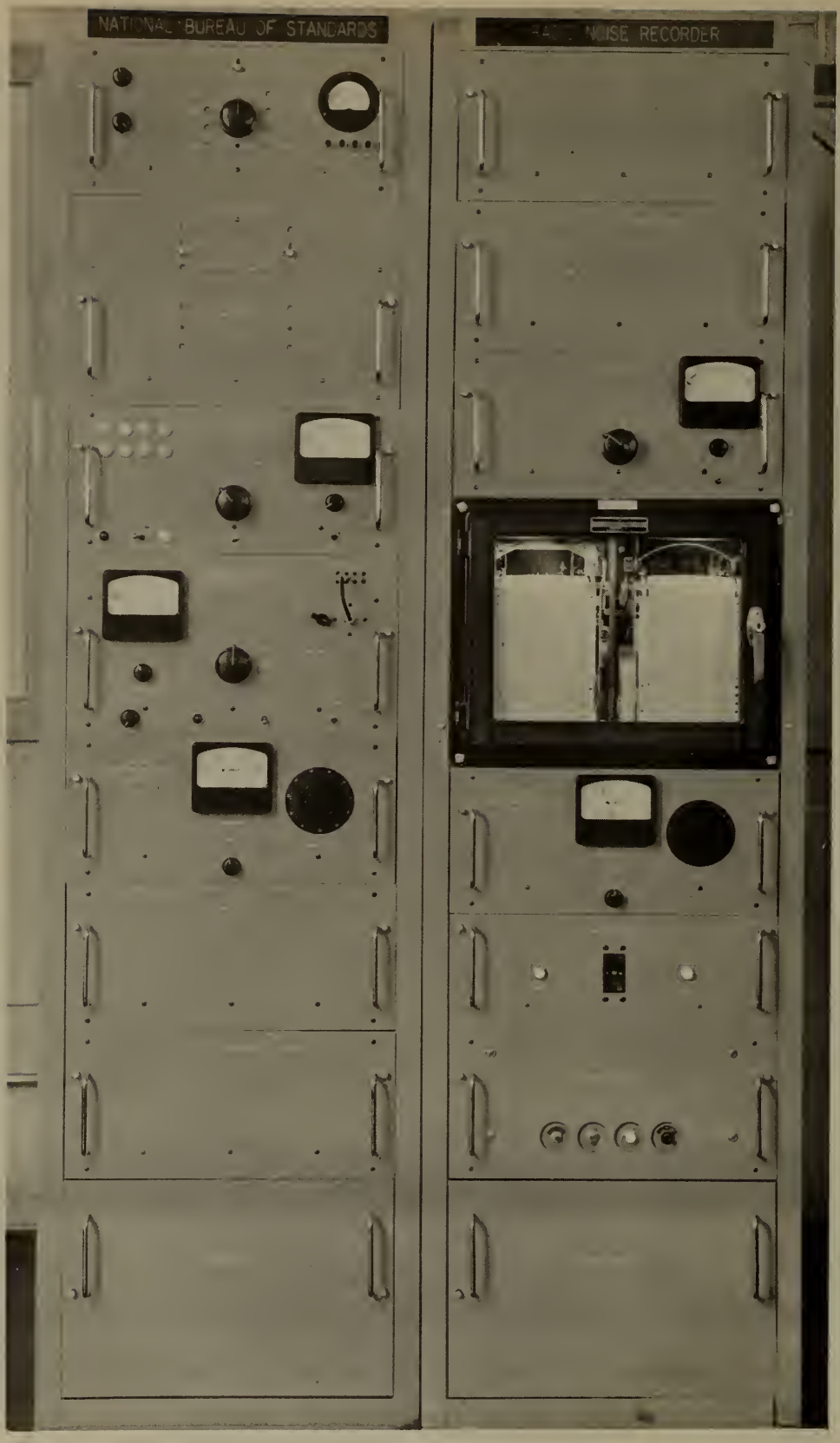
UNITED STATES DEPARTMENT OF COMMERCE

OFFICE OF TECHNICAL SERVICES

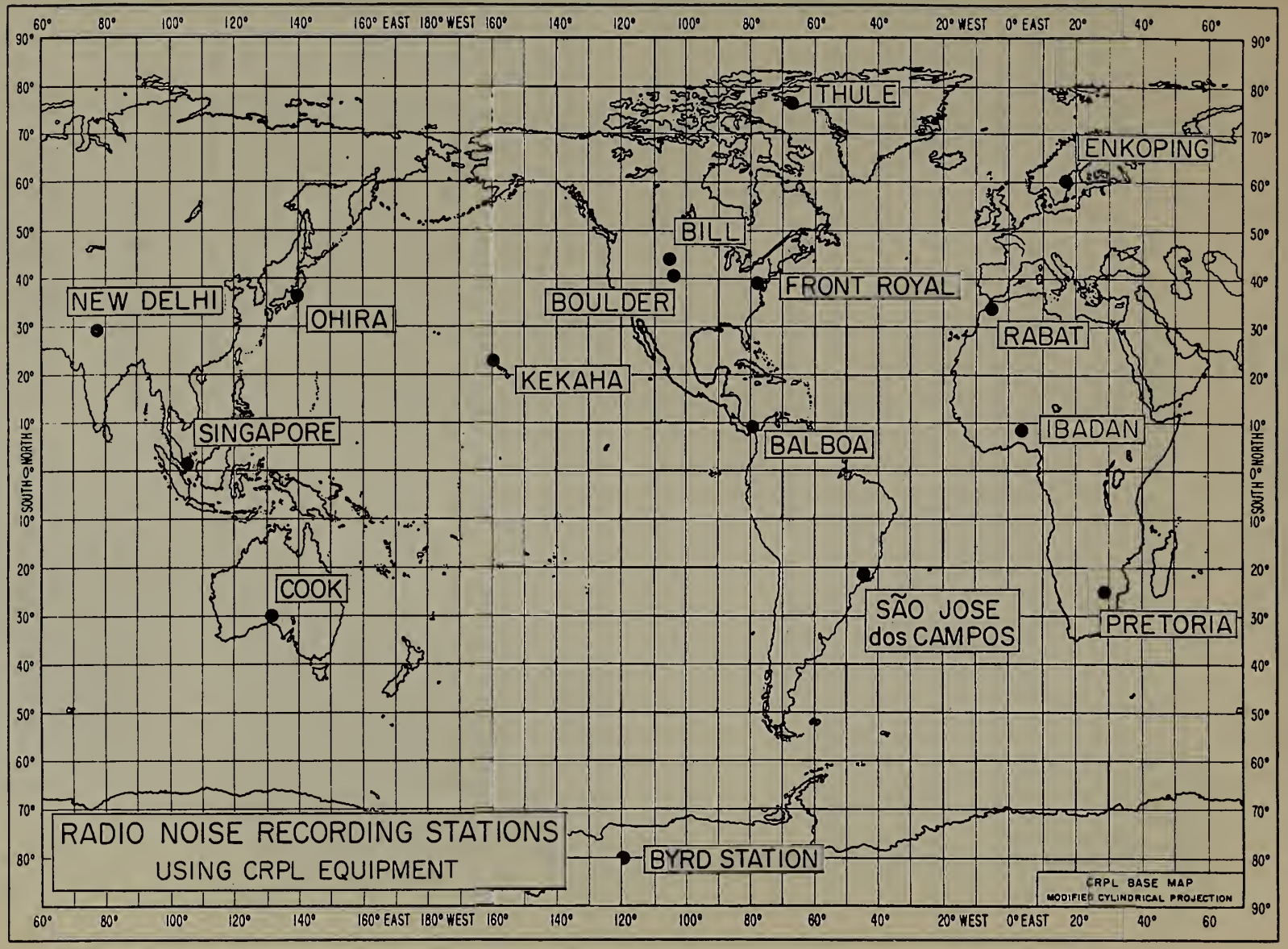
WASHINGTON 25, D. C.

Price $ 1.50

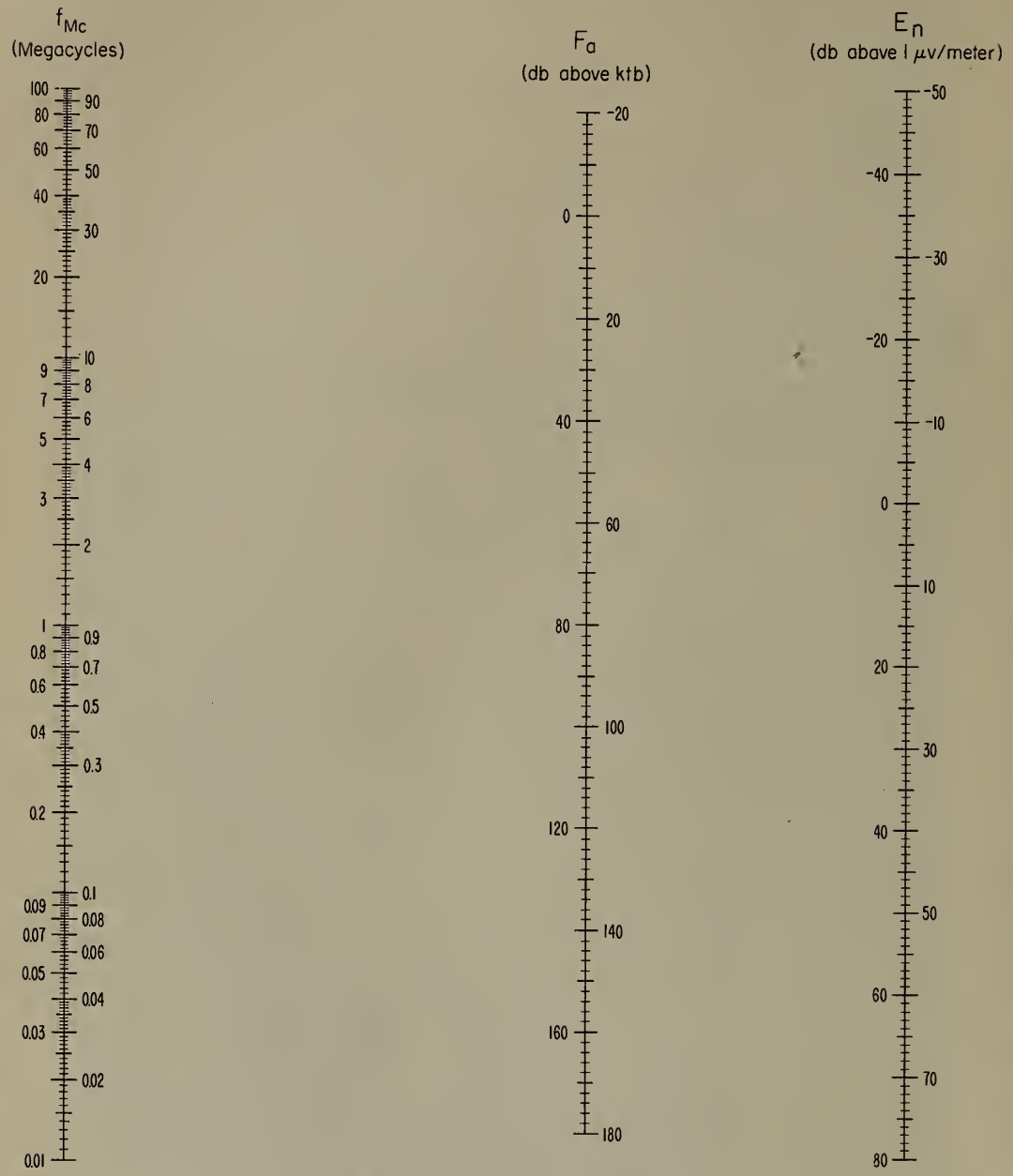
Radio Noise Recording Station



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
SOUTH NORTH

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

March, April, May 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 March, April, May 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	March April May 1961	75 W	+05
Boulder	March April May 1961	105 W	+07
Byrd Station	March April May 1961	120 W	+08
Cook	March April May 1961	135 E	-09
Enkoping	March April May 1961	15 E	-01
Front Royal	March April May 1961	75 W	+05
Kekaha	March April May 1961	150 W	+10
Ohira	March April May 1961	135 E	-09
Pretoria	March April May 1961	30 E	-02
Correction sheets for Jan., Feb. 1961			
Rabat	March April May 1961	GMT	0
São José dos Campos	March April May 1961	45 W	+03
Singapore	March April May 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

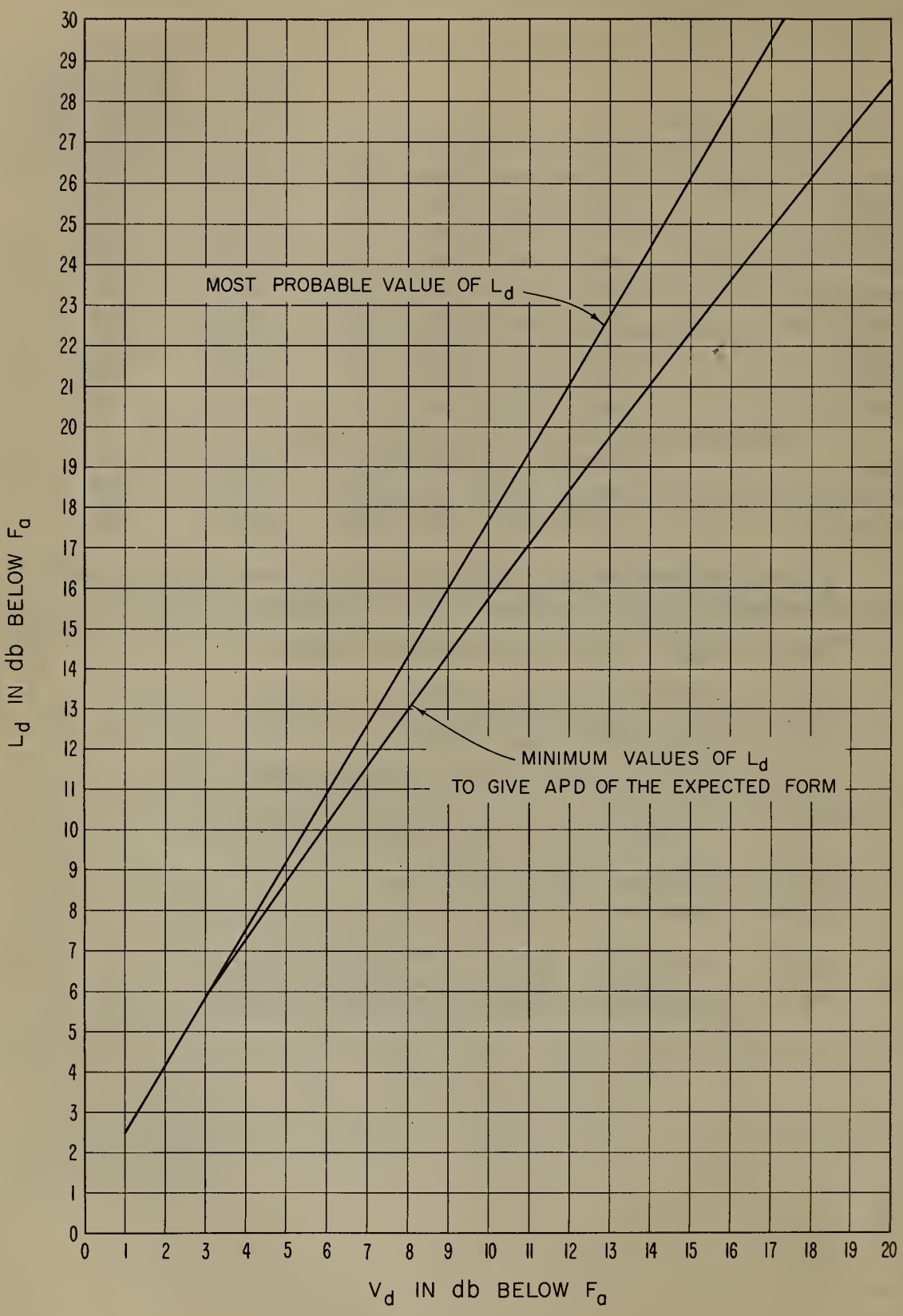
18-5 December, January, February 1959-60

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


MOST PROBABLE AND MINIMUM VALUES OF L_d VERSUS V_d FOR ATMOSPHERIC RADIO NOISE
MOST PROBABLE VALUE OF L_d
MINIMUM VALUES OF L_d TO GIVE APD OF THE EXPECTED FORM
L_d IN db BELOW F_a
V_d IN db BELOW F_a
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

MONTH-HOUR VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 79.5 W Long. 9.0 N Month March 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	155	5	7	10.0	15.0	135	6	12	8.5	13.0	116	6	12	7.0	10.5	95	8	8	5.0	9.0
01	155	4	8	9.5	14.5	133	8	8	7.0	11.5	116	7	11	7.0	12.5	95	6	7	5.5	9.0
02	155	6	8	9.5	15.0	135	7	9	9.0	14.0	114	8	10	7.0	11.5	95	6	8	6.0	9.5
03	153	8	4	10.0	15.0	135	8	8	8.0	13.0	114	8	8	7.0	11.5	95	5	6	6.0	11.0
04	157	4	8	10.5	15.0	137	6	10	9.0	13.5	114	8	9	8.0	12.5	93	6	8	6.5	11.0
05	155	6	4	9.0	15.0	137	3	12	9.5	15.0	113	8	8	8.5	15.0	89	5	12	8.0	12.0
06	155	5	5	10.5	15.0	131	6	10	11.0	16.0	101	13	15	15.0	22.0	78	16	11	4.0	6.5
07	153	4	5	10.5	15.0	125	10	11	11.0	16.0	101	12	29	12.5	17.0	75	14	6	4.0	6.0
08	153	6	6	11.0	15.0	125	11	16	11.0	16.5	102	12	26	11.0	16.5	75	14	6	3.5	5.0
09	155	4	8	11.0	16.0	125	9	18	12.0	18.0	104	15	29	9.5	14.0	73	20	5	5.0	6.5
10	155	6	8	10.5	16.0	127	8	20	11.0	16.0	104	12	32	9.5	16.0	75	12	6	3.0	4.5
11	155	6	6	11.0	16.0	127	8	18	9.5	16.0	98	13	20	8.0	14.5	75	10	8	*3.0	*5.0
12	156	5	7	10.0	15.0	127	8	12	9.5	15.0	98	14	20	10.5	13.5	73	8	4	3.0	4.0
13	157	6	6	10.5	14.5	129	7	13	9.0	14.0	101	10	15	9.5	15.0	77	12	7	3.0	5.0
14	158	5	5	9.5	14.0	129	8	12	10.0	14.0	100	16	18	10.0	15.0	77	20	4	4.0	6.0
15	159	4	6	9.0	14.0	133	6	16	9.0	14.0	104	14	22	10.5	16.0	81	18	6	8.0	12.5
16	159	5	8	9.0	14.0	131	8	14	9.5	14.0	102	14	16	10.0	16.0	81	12	5	8.5	12.0
17	161	3	12	9.0	14.0	129	10	15	11.0	16.0	102	14	22	11.0	16.0	83	10	8	7.5	12.0
18	157	5	10	9.0	13.5	129	6	15	9.0	15.0	108	6	19	7.0	12.0	91	6	9	5.0	7.0
19	155	6	9	10.5	15.5	131	10	12	8.5	12.0	112	7	14	6.5	11.0	91	9	8	5.0	9.0
20	157	6	11	8.0	13.0	135	8	15	8.0	14.0	112	10	13	8.0	14.5	93	8	9	5.5	9.0
21	157	5	13	9.5	14.5	133	8	11	7.0	11.5	114	8	14	6.5	11.0	93	10	6	4.5	7.5
22	157	5	12	10.0	13.5	133	10	11	7.0	10.5	116	6	14	5.0	8.0	95	8	9	5.0	8.5
23	157	4	12	9.0	13.0	133	7	12	7.0	12.5	116	7	10	6.5	11.5	95	8	7	5.0	8.5

Hour (LST)	2.5 Fam	Du	Dℓ	Vdm	Ldm	5 Fam	Du	Dℓ	Vdm	Ldm	10 Fam	Du	Dℓ	Vdm	Ldm	20 Fam	Du	Dℓ	Vdm	Ldm
00	65	4	7	5.0	8.0	60	4	6	3.5	6.5	47	4	6	*5.5	*10.0	23	5	2	1.5	3.0
01	63	6	5	5.5	9.0	60	4	5	5.0	8.0	45	6	7	4.5	7.0	23	3	2	1.5	3.0
02	65	4	7	5.5	9.5	60	4	6	5.0	8.0	41	7	7	*4.5	*6.5	23	3	2	1.0	2.0
03	67	4	8	6.0	10.0	58	6	4	5.0	9.0	37	10	5	*4.0	*6.0	23	0	2	1.0	2.0
04	67	6	10	5.5	9.5	58	4	6	5.0	8.5	35	9	3	3.5	5.0	23	0	2	1.0	2.0
05	67	4	8	6.0	11.0	56	6	4	5.0	9.0	35	7	4	3.0	5.0	23	2	3	1.0	2.5
06	64	5	8	8.0	14.0	58	2	4	*5.5	*8.5	41	6	4	*4.5	*7.0	23	2	2	2.0	3.0
07	45	9	6	*9.5	*13.0	46	6	6	*8.0	*12.0	41	4	4	*5.5	*9.0	25	4	2	3.0	4.0
08	39	7	5	5.5	7.5	36	10	9	*8.0	*12.0	35	8	4	8.0	12.0	25	4	4	3.0	4.0
09	38	8	5	3.0	4.5	30	10	4	9.0	14.0	29	8	4	*8.0	*12.0	23	5	0	*3.0	*4.5
10	35	8	2	*2.0	*3.5	26	9	5	*7.5	*11.5	27	6	6	8.0	10.5	23	4	2	2.5	4.0
11	33	8	2	*3.0	*4.0	23	8	5	3.5	5.0	25	8	6	*8.5	12.0	23	4	1	3.0	5.0
12	33	5	2	*2.5	*4.5	22	10	4	4.0	5.0	25	8	6	*8.0	12.0	23	6	0	4.0	6.0
13	33	11	2	2.5	4.0	24	5	6	6.0	8.0	29	6	8	*7.0	10.0	25	4	2	4.0	5.5
14	35	2	4	2.0	4.0	27	7	7	5.0	7.5	33	6	10	6.0	10.0	27	4	6	*4.0	*6.0
15	37	4	4	*1.5	*2.5	32	8	9	*7.0	*10.5	35	6	8	*6.0	9.0	27	5	2	*3.0	*4.5
16	35	9	4	3.0	4.0	40	6	8	5.0	8.5	41	4	7	*5.0	7.5	29	4	6	4.0	6.5
17	43	13	6	*7.5	9.0	50	2	4	*4.5	*7.0	45	2	7	*4.0	7.0	29	4	5	*4.0	*7.0
18	53	7	13	6.0	10.0	56	2	2	*3.0	*5.5	47	2	5	*4.5	7.0	27	4	6	3.0	4.5
19	63	2	11	6.0	9.0	60	3	4	*3.0	*4.5	47	4	5	*4.0	7.0	25	6	4	3.5	5.0
20	63	4	11	4.0	6.0	62	2	4	*3.0	*5.0	47	4	6	*4.0	7.5	23	4	4	2.5	4.5
21	63	5	10	4.0	7.0	62	3	4	*3.5	*6.0	47	4	6	5.0	8.5	23	4	4	2.0	3.0
22	63	7	10	4.5	7.5	60	5	4	*5.0	*7.5	47	4	8	*5.0	7.0	23	2	3	2.0	3.0
23	63	6	8	4.5	7.5	60	4	6	5.5	8.0	47	4	7	*5.0	7.0	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

MONTH-HOUR VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0 N Long. 79.5 W Month April 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	158	6	4	11.0	17.0	138	6	4	9.5	14.0	117	6	3	8.0	13.5	99	6	6	6.5	12.0
01	158	5	3	12.5	16.5	138	6	6	10.5	16.0	119	5	5	9.0	13.0	99	6	6	6.5	11.0
02	158	5	4	10.0	17.0	138	6	5	10.0	15.0	119	5	7	8.0	13.5	99	6	8	8.0	13.0
03	160	4	5	11.0	16.0	140	4	6	9.5	16.5	119	4	7	7.0	13.0	97	6	6	7.0	13.5
04	162	2	6	12.0	18.0	138	6	2	11.0	16.5	118	5	7	7.5	13.0	99	4	8	6.0	10.5
05	162	2	6	11.0	17.0	140	4	8	10.5	16.0	117	4	11	11.0	17.5	93	6	8	*11.0	*18.5
06	160	2	6	10.0	15.5	136	8	10	12.5	18.5	113	8	25	13.5	21.5	91	10	21	13.5	21.0
07	158	4	4	11.0	16.0	134	6	4	13.5	20.0	113	6	28	13.0	20.5	93	6	20	*9.0	*15.5
08	158	4	6	11.5	18.0	132	8	19	13.5	19.5	111	7	18	15.0	21.0	87	10	16	11.5	19.0
09	158	6	7	13.0	17.5	130	10	12	13.5	20.5	110	8	19	15.0	23.0	89	6	17	*12.0	*19.5
10	158	4	6	11.5	16.0	132	6	10	13.0	19.5	108	10	16	*16.5	*21.5	85	14	14	*9.5	*16.5
11	158	4	6	11.0	16.5	132	10	8	12.0	19.0	109	10	18	14.0	20.0	87	12	22	*8.5	*15.0
12	160	4	4	10.5	14.5	132	20	6	11.0	17.5	108	22	16	12.0	21.0	87	23	20	*12.0	*20.5
13	160	5	2	9.0	15.0	135	11	7	10.0	14.5	110	21	14	12.0	16.5	89	22	22	11.5	20.0
14	161	5	3	11.0	16.5	134	14	6	11.0	16.0	113	17	15	11.5	18.0	93	16	19	*10.5	*17.0
15	162	4	4	9.5	14.5	134	12	4	10.0	16.0	108	17	9	10.5	17.0	89	20	18	10.5	18.0
16	162	6	3	9.5	15.0	134	12	5	10.0	16.0	111	12	13	10.5	17.0	87	17	15	*10.5	*17.5
17	160	4	2	10.0	16.0	134	7	8	10.0	16.0	110	9	15	12.0	19.0	87	14	14	9.5	16.0
18	160	2	5	10.5	15.5	133	9	7	10.0	16.5	113	7	7	9.0	14.5	97	6	11	6.0	10.0
19	160	2	5	11.0	16.0	136	6	5	10.0	16.0	117	6	5	7.5	12.5	99	6	8	6.5	11.0
20	160	3	4	12.0	17.0	138	4	4	9.5	14.5	117	4	5	6.0	11.0	99	6	6	6.0	10.5
21	158	4	3	9.5	15.0	138	3	4	9.0	14.0	117	4	6	6.5	12.0	97	6	4	6.0	11.0
22	158	4	3	10.0	15.5	138	3	4	8.5	13.0	117	5	4	7.0	12.0	97	6	4	6.0	10.0
23	158	4	2	11.0	17.0	136	6	2	10.0	15.0	117	6	5	8.5	13.5	97	8	4	6.5	11.5

Hour (LST)	2.5					5					10					20				
	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}
00	65	8	4	5.5	10.0	50	3	4	*5.0	*9.0	38	5	2	*6.0	*9.0	14	3	2	2.0	2.5
01	67	6	4	5.0	9.0	50	3	2	5.5	9.0	37	5	3	*4.0	*7.0	14	1	2	1.5	2.0
02	67	6	4	5.0	9.5	50	2	2	5.0	8.5	36	4	6	*4.0	*7.0	14	0	2	1.0	2.0
03	69	5	4	*5.0	*9.0	50	3	2	*5.0	*8.0	34	5	7	4.5	6.5	12	2	0	1.5	2.5
04	69	5	3	6.5	11.5	50	2	4	5.5	8.5	34	6	8	4.0	6.0	12	2	0	1.0	1.5
05	69	4	4	6.0	12.0	50	2	6	5.0	8.0	32	4	6	5.0	7.0	12	2	0	1.5	2.5
06	62	7	9	8.5	14.0	46	4	4	*5.5	*8.5	36	4	4	*3.0	*5.0	12	4	0	2.0	3.0
07	52	7	11	*7.5	*14.0	38	8	6	*7.0	*12.0	34	2	4	4.0	6.0	14	4	2	*1.5	*2.0
08	46	9	13	*6.0	*9.0	32	8	8	*9.0	*14.5	28	6	4	*7.0	*10.0	14	2	2	*2.0	*3.0
09	39	15	6	*6.0	*7.0	26	14	13	*7.0	*12.0	26	10	8	*8.0	*13.0	16	3	4	*3.0	*4.0
10	41	8	7	*4.0	*6.0	22	9	10			22	6	4	*7.0	*11.0	14	2	2	*3.0	*4.0
11	37	18	6	*2.0	*5.0	20	18	12	*6.0	*10.0	22	8	8	7.5	11.5	14	4	2	3.0	5.0
12	43	14	12	*3.0	*5.0	18	27	10	*5.0	*5.5	22	10	6	*6.0	*9.0	16	9	4	*3.0	*4.0
13	39	26	8	*2.5	*4.0	18	22	8	*6.0	*8.0	26	13	6	*7.5	*10.5	16	9	2	*2.5	*3.5
14	41	33	10	*2.5	*4.0	26	24	12	*6.0	*9.0	26	8	4	*5.0	*7.5	18	5	2	3.0	4.5
15	45	28	13	*4.0	*6.0	28	19	8	*6.0	*9.0	32	4	4	5.5	8.0	18	4	2	*4.0	*5.5
16	41	28	8	*4.0	*5.5	34	9	9	*5.0	*8.0	34	4	3	*4.0	*7.0	18	4	2	*3.5	*5.0
17	50	11	7	6.0	9.0	42	4	6	*5.0	*8.0	36	3	1	*5.0	*7.0	20	0	3	3.0	4.5
18	59	5	7	*4.5	*8.0	48	2	4	*3.0	*5.5	40	2	2	*4.5	*7.5	18	3	2	*3.5	*5.0
19	65	4	6	5.5	8.5	50	2	2	*5.0	*7.0	40	2	2	*4.5	*7.0	16	2	2	3.5	5.0
20	65	4	4	4.5	7.5	52	2	4	*4.5	*7.0	40	2	2	*4.5	*8.0	14	4	2	4.0	5.0
21	65	4	3	*4.0	*6.0	52	2	2	*5.0	*7.0	40	2	4	*5.0	*9.0	14	5	2	3.0	4.5
22	65	6	3	5.0	9.0	50	2	2	*5.0	*8.0	40	3	4	*5.0	*8.0	14	4	2	3.0	4.0
23	67	5	2	5.0	8.5	50	2	4	*4.5	*7.0	40	2	5	*5.5	*9.0	14	4	1	2.5	4.0

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

USCOMM-NBS-DL

MONTH-HOUR VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0 N Long. 79.5 W Month May 19 61

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5					5					10					20				
	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	163	5	4	10.5	16.0	141	6	3	9.0	14.0	124	5	6	8.0	14.0	102	6	6	6.0	11.5	72	6	6	3.5	6.5	63	6	2	3.0	6.0	49	6	4	3.0	6.5	23	8	0	2.0	2.5
01	163	5	4	10.0	16.5	142	7	5	9.5	15.0	124	5	5	7.0	12.0	102	8	6	6.0	11.0	72	6	4	4.0	6.5	64	3	3	2.5	5.5	49	2	4	*2.0	*5.0	25	8	0	1.5	2.0
02	165	4	6	11.5	17.5	144	6	6	9.0	14.0	126	5	8	8.0	13.0	104	6	10	7.0	12.0	73	5	5	3.5	8.0	65	2	4	3.0	6.0	47	6	3	*4.0	*8.5	24	9	1	1.5	2.0
03	164	4	6	12.0	17.5	144	4	6	8.0	13.5	124	6	6	7.0	11.5	104	6	6	6.0	11.5	72	6	2	4.5	10.0	63	6	2	4.0	6.5	47	5	4	*5.0	*8.0	24	7	1	1.5	2.0
04	165	4	5	10.5	16.5	146	3	6	9.5	15.0	125	5	5	7.0	12.5	104	6	8	7.0	12.5	74	6	6	4.5	8.5	65	2	2	4.0	7.0	47	2	5	4.0	9.0	25	6	2	1.5	3.0
05	165	4	5	11.0	17.0	144	4	6	10.0	15.0	122	8	5	9.5	15.5	102	6	14	9.5	16.0	74	4	4	5.0	9.0	63	4	4	3.5	7.0	45	2	10	*2.5	*7.5	23	4	2	1.5	2.0
06	163	4	4	10.5	16.0	142	5	5	11.0	17.0	122	7	7	12.0	20.0	102	6	12	10.0	17.5	66	4	6	6.5	14.0	57	6	2	6.0	9.0	45	4	4	3.0	7.0	25	8	2	1.5	3.5
07	161	5	4	12.5	18.0	141	5	7	12.0	18.0	120	7	6	*12.0	*18.5	100	7	7	*9.0	*17.0	62	7	8	8.0	14.5	57	5	10	*8.0	*13.0	41	6	2	4.5	7.0	25	4	2	1.5	3.5
08	163	4	6	12.0	17.0	140	6	10	12.0	17.5	120	7	12	13.0	19.0	100	8	9	*7.0	*13.5	54	15	10	*8.0	*13.5	49	7	5	9.5	15.0	37	4	3	5.5	9.0	25	9	4	*2.0	*4.0
09	159	8	2	13.0	18.0	138	5	10	13.0	19.0	120	6	20	11.0	18.0	100	8	6	9.0	18.0	50	16	11	8.0	13.5	43	14	8	*9.5	*15.0	35	14	14	6.0	10.5	25	10	4	*2.0	*4.0
10	161	5	5	11.5	18.0	140	5	10	11.0	17.0	120	8	22	*12.0	*22.0	98	8	6	12.0	19.5	52	17	14	*6.0	*14.5	41	13	9	*5.0	*15.0	33	8	3	*7.0	*12.0	27	5	6	*2.5	*5.5
11	161	4	4	11.5	17.0	138	8	8	11.5	17.0	119	10	15	12.5	20.5	96	8	12	*10.0	*18.0	52	16	15			37	17	8	*6.0	*13.0	35	8	6	*7.0	*10.0	26	5	5	*3.0	*5.5
12	162	6	7	11.5	17.0	136	11	8	12.0	17.0	116	16	10	*13.0	*21.0	96	16	20	12.0	20.5	50	29	13	*7.0	*13.0	35	24	6	*8.0	*12.5	35	12	8	*9.0	*13.5	28	9	5	6.5	9.0
13	161	6	2	12.5	17.5	136	14	14	*11.0	*17.0	118	17	15	12.5	21.5	98	16	12	11.5	19.0	48	28	10	*6.0	*13.5	37	28	8	*5.5	*9.0	35	18	14	7.5	11.5	29	6	6	*3.0	*5.0
14	165	6	4	12.0	16.0	136	14	4	9.5	16.0	118	14	14	11.0	19.0	102	10	16	11.0	18.0	58	19	22	*8.0	*12.0	43	18	15	*7.0	*10.0	39	8	6	6.0	9.0	29	8	4	*4.0	*5.5
15	163	7	2	11.0	16.5	141	9	6	11.0	17.0	122	11	12	12.0	19.0	100	14	12	10.5	18.5	58	16	20	*6.5	*10.5	49	12	12	6.5	10.5	43	6	8	6.0	9.0	29	6	4	3.5	5.5
16	163	6	2	9.0	15.0	140	8	4	10.5	16.5	120	10	9	11.0	18.0	98	12	6	10.0	18.0	52	12	10	*7.0	*12.5	49	8	8	5.5	9.0	45	2	6	5.0	7.0	29	7	2	4.0	5.5
17	163	4	2	9.0	14.5	138	6	4	11.0	16.0	116	12	8	12.5	20.5	96	11	6	12.0	19.0	56	10	8	6.0	9.5	55	4	6	5.0	9.0	47	2	4	4.5	7.0	31	2	4	3.5	5.0
18	161	4	2	10.0	15.0	138	6	6	11.0	17.0	118	6	9	11.5	18.0	98	3	11	10.5	15.5	62	6	6	5.5	9.5	61	4	4	4.0	7.0	49	2	4	4.5	7.0	29	2	3	3.5	6.0
19	161	5	3	9.0	14.0	138	5	4	8.0	13.0	118	8	4	8.0	14.5	98	7	7	7.0	12.0	68	6	4	5.5	9.5	63	3	2	3.5	6.6	49	2	2	4.5	7.0	27	2	4	2.0	4.0
20	163	3	4	9.5	14.5	140	4	4	7.5	13.0	120	6	4	7.0	12.0	100	6	8	7.0	13.5	70	4	4	5.0	8.5	63	4	3	4.0	6.0	49	2	2	4.0	6.0	25	4	4	2.5	3.5
21	163	4	3	10.0	15.5	140	9	4	9.5	14.5	122	6	6	8.0	13.0	100	6	6	7.0	12.0	70	4	4	5.0	7.5	63	5	1	4.0	6.0	49	2	2	*4.0	*6.0	25	6	4	2.5	4.0
22	163	4	4	10.5	15.5	140	7	4	7.5	12.0	122	7	6	9.0	13.5	100	6	6	6.0	11.5	70	4	4	5.0	8.0	63	2	2	4.0	6.0	49	4	3	*3.5	*6.0	23	8	2	2.0	3.0
23	163	4	4	11.0	17.0	142	5	6	9.0	14.0	122	6	7	8.0	12.5	100	10	6	7.0	11.5	71	5	5	4.0	8.0	63	4	2	4.0	6.5	49	4	4	*3.5	*7.0	25	6	2	2.5	3.0

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 Boulder, Colorado   Lat. 40.1 N   Long. 105.1 W   Month March   1961

Frequency (Mc)

Hour (LST)	.013 Fam	.013 Du	.013 Dl	.013 Vdm	.013 Ldm	.051 Fam	.051 Du	.051 Dl	.051 Vdm	.051 Ldm	.160 Fam	.160 Du	.160 Dl	.160 Vdm	.160 Ldm	.495 Fam	.495 Du	.495 Dl	.495 Vdm	.495 Ldm
00	155	8	7	*8.5	*13.0	127	12	4	*10.0	*17.0	108	12	17	*6.0	*10.0	92	7	13	4.5	7.5
01	155	7	8	*10.5	*16.0	127	12	12	*6.5	*12.0	110	8	20	6.5	11.5	91	8	14	*5.0	*8.0
02	156	7	9	*10.5	*16.0	127	12	11	*7.0	*11.0	110	8	20	*6.0	*11.0	89	8	15	*5.0	*9.0
03	155	6	8	11.0	16.5	127	12	11	*5.0	*11.0	106	10	20	*5.0	*9.0	87	10	17	*4.0	*7.5
04	155	6	6	9.0	14.5	126	10	6	*7.0	*12.0	106	8	16	*5.0	*9.0	79	12	12	*7.0	*11.5
05	151	7	4	8.5	14.5	124	8	11	*6.0	*11.5	98	6	20	*6.0	*9.5	67	14	8	*5.0	*7.0
06	153	4	6	*10.5	*16.0	123	2	10	*8.5	*11.0	92	14	19	5.0	9.0	62	14	3	*4.0	*6.0
07	151	7	6	12.0	18.0	119	10	17	*8.0	*13.0	90	16	22	*4.0	*7.5	63	4	4	*3.0	*5.0
08	153	6	8	*11.5	*17.0	*118			*6.0	*10.5	92	14	22	*6.5	*10.0	61	16	4	*4.0	*6.0
09	151	8	6	*11.0	*16.0	125	4	24	*7.0	*12.5	94	12	18	*5.5	*8.5	63	14	6	*4.0	*6.5
10	153	8	10	*11.0	*16.0	124	7	9	*5.0	*9.0	92	15	15	*4.0	*7.0	63	16	4	*6.0	*10.0
11	155	6	8	*11.0	*16.0	125	8	7	*7.0	*12.0	93	19	9	*6.0	*9.0	63	14	6	*4.0	*5.5
12	155	6	10	12.0	17.5	123	10	14	*6.0	*10.0	92	14	15	*8.0	*12.5	63	16	4	7.0	5.0
13	153	8	10	11.5	17.0	124	12	15	10.0	15.0	92	16	12	7.0	10.0	63	19	4	*3.0	*5.0
14	155	6	10	11.0	14.5	123	24	12	*7.0	*12.0	93	14	12	6.5	9.5	63	21	3	*4.0	*5.5
15	155	6	12	10.0	14.5	123	15	15	9.0	13.0	96	20	14	8.0	12.0	65	18	6	3.0	6.5
16	155	9	12	11.0	17.5	125	16	13	*8.0	*12.5	96	21	19	8.0	12.0	65	21	6	4.5	6.0
17	154	11	9	10.5	16.0	127	11	11	8.0	14.0	104	12	21	6.0	12.5	73	14	9	4.5	8.0
18	155	11	11	*10.0	*15.0	127	14	5	*7.5	*12.0	106	15	19	*5.5	*10.0	82	12	15	5.0	9.0
19	156	9	14	11.0	16.0	129	14	13	7.0	13.0	107	13	19	7.0	12.0	87	8	15	6.0	10.0
20	155	10	14	11.5	17.0	129	10	6	*6.5	*11.0	108	10	20	*6.0	*10.0	90	8	16	5.0	7.5
21	155	10	12	10.0	16.0	130	12	7	6.5	12.5	108	10	23	7.0	10.0	89	11	13	*4.5	*9.5
22	155	10	11	11.0	17.0	131	8	8	*7.0	*12.0	112	10	20	7.5	12.0	93	5	16	6.5	10.5
23	155	9	10	11.0	15.0	131	8	11	6.0	10.5	114	6	22	6.0	10.0	93	6	13	*3.5	*5.0

Hour (LST)	2.5 Fam	2.5 Du	2.5 Dl	2.5 Vdm*	2.5 Ldm*	5 Fam	5 Du	5 Dl	5 Vdm*	5 Ldm*	10 Fam	10 Du	10 Dl	10 Vdm*	10 Ldm*	20 Fam	20 Du	20 Dl	20 Vdm	20 Ldm
00	57	14	2	6.0	13.5	53	9	0			40	11	9	3.0	5.5	22	3	2	2.0	4.0
01	57	14	2	4.5	10.0	53	13	0	6.0	10.0	37	12	7	3.0	5.5	22	2	1	3.0	3.5
02	57	10	2	6.5	12.0	55	10	2	6.0	11.0	37	9	6	2.0	4.5	23	5	2	*2.5	*3.5
03	57	14	2	5.0	7.5	53	7	0	2.5	6.0	36	10	4	6.0	7.0	23	4	3	*3.0	*4.0
04	57	12	6	6.0	10.0	53	10	0	6.0	11.0	36	7	6	5.0	7.0	24	4	3	*3.0	*4.0
05	57	11	9	6.0	9.0	53	10	0			40	12	6	5.0	7.5	24	4	4	3.0	4.0
06	52	6	6	6.5	9.5	53	4	6	3.5	6.0	42	6	6			24	4	2	3.0	4.0
07	45	9	5	5.0	6.0	40	7	7	5.5	7.0	40	4	4	4.5	7.0	26	6	4	*3.0	*4.0
08	43	8	8	4.0	6.0	39	8	6	4.0	6.0	36	5	7	3.5	6.0	26	6	5	*3.0	*4.0
09	43	8	6	4.0	5.5	*37			3.5	4.5	36	6	8	3.5	5.5	26	6	4	*4.0	*5.0
10	43	8	3	2.5	4.0	*37			4.0	5.5	32	10	6	3.0	4.5	*27			*3.5	*5.0
11	43	4	2	3.0	4.0	*35			4.0	5.5	34	10	6	4.0	6.0	26	2	3	*4.0	*5.0
12	45	5	4	2.5	5.0	39	2	6	2.5	4.5	34	12	6	5.5	8.0	28	4	4	*3.5	*4.5
13	45	6	4	3.5	5.0	36	7	5	3.5	5.5	34	15	6	5.0	8.5	28	3	5	*3.0	*5.0
14	47	4	4	3.0	5.0	37	11	2	3.0	5.0	38	13	6	6.5	9.0	28	2	4	4.0	5.0
15	45	11	2	3.0	4.0	39	14	4	3.5	5.5	42	10	7	6.0	11.5	26	6	2	*4.0	*6.0
16	45	12	3	3.0	5.0	49	6	10	4.0	7.0	46	6	4			26	6	2	3.0	5.0
17	47	11	5	3.0	5.0	53	4	4			50	3	7	6.0	9.5	26	4	4	3.0	5.5
18	57	1	8	7.0	10.0	53	6	0	4.5	9.0	52	4	6			22	4	2	2.5	5.0
19	57	5	5	4.0	10.0	53	4	0	6.0	10.0	50	2	7	4.0	8.5	22	6	2	2.5	4.5
20	57	7	6	3.0	6.0	53	11	0	5.0	9.5	48	4	8			22	6	2	*3.0	*4.0
21	57	8	7	4.5	9.0	55	7	2			48	4	10	4.0	7.0	22	6	2	2.0	4.0
22	57	9	5	6.0	9.5	53	10	0	5.0	9.5	49	5	11	3.0	6.0	22	4	2	2.5	4.0
23	57	9	2			53	6	2			48	6	10	6.5	10.0	22	5	2	3.0	4.0

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1N Long. 105.1 W Month April 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	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	Fam	Du	Dℓ	Vdm	Ldm
00	153	6	4	*10.0	*15.0	127			7.0	11.5	105			9.0	14.5	87			6.0	10.5	61	8	6	7.0	11.0	*56			5.0	9.0	40	4	7	4.0	7.0	24	2	2	*1.5	*3.5
01	154	5	3	*12.5	*17.5	125			6.5	12.5	105			6.0	11.5	87			7.5	11.0	59	8	4	*6.0	*9.0	56	6	2	5.0	9.5	38	4	4	4.0	6.5	24	2	0	*1.5	*3.5
02	152	7	1	*9.5	*15.5	126			8.0	14.0	107			6.0	11.5	85			7.5	12.5	59	8	4	*4.0	*8.5	*56			5.0	9.5	38	4	2	3.5	6.0	24	2	0	1.5	3.5
03	153	6	2	*10.5	*16.0	123			6.0	12.0	99			10.5	17.0	83			9.0	13.5	57	10	2	*6.0	*9.5	56	6	2	5.5	10.0	37	7	5	4.0	6.5	24	2	2	1.5	3.5
04	151	6	0	*11.0	*16.0	121			8.0	14.5	91			9.5	12.0	69			8.0	10.0	55	8	6	*4.0	*9.0	*54			5.0	8.0	38	4	4	3.5	6.0	24	2	2	1.5	3.5
05	151	2	0	*11.0	*17.0	119			8.5	14.5	73			6.0	8.0	64			3.0	5.0	53	6	6	*5.0	*8.0	50	6	4	5.5	8.0	38	4	2	4.5	7.5	24	2	2	1.5	3.5
06	150	1	3	*10.5	*16.5	108			10.5	16.0	80			6.0	10.5	62			3.5	5.0	45	8	2	*3.0	*6.0	*38			3.0	5.0	40	4	4			24	2	2	2.0	3.5
07	150	3	5	*11.0	*16.0	109			9.5	15.0	79			7.0	10.5	63			3.5	6.5	45	4	4	*1.5	*4.0	*37			2.0	4.5	36	6	2	3.0	6.0	24	2	2	*2.0	*4.0
08	150	3	3	*11.0	*17.0	109			10.0	17.0	81			6.5	10.0	63			6.0	8.5	46	5	5	*2.0	*4.0	*36			2.5	4.0	34	2	4	3.0	5.0	24	4	4	*1.5	*3.5
09	151	0	4	*11.5	*17.0	109			9.5	16.5	77			7.5	10.5	63			6.0	12.0	47	2	6	*2.0	*4.0	*38			2.0	4.0	*32			3.0	5.0	*24			*1.5	*3.5
10	*151			*11.0	*16.5	117			11.0	18.0	83			6.0	8.0	64			6.0	8.0	*47			*1.5	*3.0	*38			2.0	4.5	*32			4.0	6.0	*24			*2.0	*5.0
11	*153			*11.0	*16.0	120			8.0	14.0	83			6.0	8.0	66			5.5	7.0	47	16	6	*1.0	*3.5	38	12	4	2.0	4.0	*34			4.5	6.5	26	6	4	*3.0	*5.0
12	153	4	2	*10.5	*16.0	121			8.0	15.0	95			6.0	10.5	68			6.0	8.0	*47			*1.5	*4.0	*38			2.0	4.5	34	4	6	6.0	8.0	26	4	2	*2.5	*4.5
13	155	2	4	*10.0	*14.0	121			9.0	14.5	91			7.0	10.5	69			5.0	7.0	47	16	6	*2.0	*4.5	38	12	4	1.0	3.0	*35			6.5	9.0	*26			*3.0	*5.0
14	*155			*10.0	*15.5	123			9.0	13.0	93			9.5	14.0	73			4.5	7.0	47	12	4	*2.0	*4.5	*40			3.5	6.0	38	7	5	6.0	10.0	26	4	2	*2.0	*4.5
15	153	8	4	*10.5	*14.5	117			8.0	14.0	88			5.5	11.0	69			5.0	8.5	49	9	4	*3.0	*5.0	40	9	4	3.0	5.0	40	6	4	7.5	12.0	28	4	4	3.0	5.0
16	153	8	2	*11.0	*16.5	124			9.0	15.0	86			10.0	15.0	73			4.0	5.5	48	8	4	*1.0	*3.5	*44			6.0	10.0	45	4	7	5.5	10.0	26	6	2	*3.5	*5.0
17	153	6	4	*11.0	*17.0	121			9.0	15.0	95			3.5	8.5	73			7.0	11.0	49	9	6	*3.5	*6.0	53	3	10	4.0	7.0	46	5	4	6.0	9.5	26	7	2	*4.0	*5.5
18	153	4	2	*11.0	*16.0	123			9.0	15.0	107			7.5	12.5	83			5.5	8.0	57	6	10	5.0	8.0	*56			6.5	10.0	47	5	3	6.0	9.0	24	7	2	1.5	4.0
19	153	4	2	*10.0	*16.0	123			8.0	14.0	105			9.0	14.0	84			6.5	10.5	63	7	8	*7.0	*9.0	56	9	2	5.0	9.0	48	5	4	5.5	9.0	24	3	2	*2.0	*3.5
20	154	7	3	11.0	17.5	124			8.0	15.0	105			7.0	12.5	87			6.5	11.0	63	6	7	6.0	10.0	*56			5.0	8.0	46	7	10	5.0	8.5	22	4	0	*1.0	*3.5
21	153	8	2	11.0	16.5	123			8.0	14.5	103			7.0	13.0	87			6.0	10.0	61	9	6	7.5	12.0	58	6	4	6.0	11.0	46	8	10			23	2	1	*1.5	*3.5
22	153	8	4	*11.0	*17.0	123			8.0	15.0	105			8.5	14.5	89			6.5	11.0	61	9	6	*5.0	*9.0	*59			5.0	8.0	46	4	13	6.0	10.5	24	2	2	*2.0	*4.0
23	153	8	2	11.0	17.0	129			7.0	13.0	105			8.0	15.0	89			7.0	11.0	61	10	6	6.5	10.0	58	7	3	4.0	8.0	40	7	3	5.0	7.5	24	2	2	*2.0	*4.0

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

Frequency (Mc)

Hour (LST)	.160				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	120	8	12	5.0	11.0
01	120	7	12	6.0	10.5
02	118	8	12	7.0	11.5
03	118	7	13	7.0	12.0
04	108	14	13	9.5	15.0
05	106	14	19	9.0	16.0
06	102	18	19	9.0	14.0
07	104	15	22	9.0	14.0
08	101	16	22	8.0	14.0
09	104	12	25	8.5	15.0
10	104	16	26	8.0	15.0
11	105	13	18	10.0	16.0
12	114	11	27	10.0	16.0
13	118	13	30	10.5	16.5
14	118	14	22	10.0	16.0
15	120	12	23	8.0	13.5
16	122	14	22	8.0	13.0
17	118	18	15	7.0	12.0
18	116	14	13	7.0	11.5
19	118	10	12	6.0	10.0
20	120	9	10	5.5	9.5
21	120	8	9	5.0	9.5
22	122	6	14	5.0	10.0
23	120	9	9	6.0	11.0

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 March 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	Fam	Du	Dℓ	Vdm	Ldm
00	115	2	2			83	4	4			64	5	2			53	3	6			27	6	5			32	11	14			22	6	8			17	2	0		
01	115	2	2			82	6	4			64	5	2			53	2	7			26	6	4			31	14	14			22	8	6			17	2	0		
02	115	2	2			*85					64	4	2			53	4	7			25	8	4			29	14	9			24	6	13			17	2	0		
03	115	2	4			*81										*53					26	7	4			30	13	9			22	8	6			17	2	0		
04	115	0	3			*81					*64					*55					25	8	2			29	9	11			22	4	10			17	2	2		
05	115	2	4			*88					64	2	2			51	4	4			25	6	2			23	18	8			18	4	8			17	2	2		
06	113	2	2			*81					64	6	3			52	3	7			25	6	4			23	10	10			19	7	11			17	2	2		
07	115	0	4			83	4	4			64	5	2			53	5	7			23	9	2			21	7	7			16	6	8			17	2	2		
08	115	0	4			81	4	6			64	8	1			53	2	7			24	7	3			17	6	4			16	4	10			17	2	2		
09	113	2	2			*81					66	4	4			53	2	6			23	8	2			15	10	2			16	4	9			17	4	0		
10	115	1	4			81	6	4			65	5	2			54	2	7			23	8	2			18	3	4			20	5	5			17	2	1		
11	115	0	4			*82					64	6	2			53	4	8			23	7	3			18	8	5			22	14	5			19	2	3		
12	115	2	2			81	4	4			66	3	3			53	3	6			27	6	3			21	6	6			18	15	6			19	2	2		
13	115	2	2			81	5	4			66	4	4			53	4	6			27	8	2			25	6	6			20	10	4			19	0	2		
14	115	2	2			81	6	3			66	4	4			52	3	5			25	8	2			27	4	6			20	6	4			19	2	2		
15	115	2	5			*79					*65					*55					25	8	0			31	4	8			22	6	2			19	3	1		
16	115	2	2													*53					24	4	3			31	8	10			26	4	9			19	2	2		
17	115	2	2			*81					*66					*53					26	4	4			36	7	15			26	4	6			17	4	0		
18	115	2	2			83	4	4			66	2	2			53	4	6			27	7	4			33	6	14			28	4	8			17	4	0		
19	115	2	2			85	6	4			66	3	2			53	2	5			27	6	4			35	8	14			28	4	0			17	4	0		
20	115	2	2			85	4	4			66	5	2			53	2	5								32	11	1			26	8	12			17	2	0		
21	115	2	2			85	4	4			66	2	2			53	4	7								33	12	12			27	8	12			17	4	0		
22	115	2	2			*85					66	2	2			53	2	5								35	12	8			25	8	8			17	2	0		
23	115	2	2			87	2	4			66	4	4			53	2	4								33	7	12			22	10	6			17	4	0		

F_{am} = median value af effective antenna naise in db abave ktb
D_u = ratia af upper decile ta median in db
D_ℓ = ratia af median ta lawer decile in db
V_{dm} = median deviatian af average voltage in db below mean pawer
L_{dm} = median deviatian af average lagarithm in db belaw mean pawer

USCOMM-NBS-DC

MONTH-HOUR VALUES OF RADIO NOISE

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

Hour (LST)	Frequency (Mc)																																					
	.051					.113					.246					.545					2.5					5					10					20				
	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm
00	116	1	1			85					66					57	4	3			20	10	4			32	10	10			24	6	2			18	4	0		
01	118	4	4			87										55	6	2			26	8	4			29	1	9			24	2	4			18	2	0		
02	116	2	2			86					68					55	6	2			26	10	4			28	12	8			24	4	6			18	4	0		
03	117	3	3			81					67					*57					24	10	2			25	11	7			22	6	6			18	2	2		
04	116	2	2								66					*57					28	8	3			26	14	8			22	4	6			18	2	2		
05	116	2	2			87					67					57	4	2			27	9	3			24	14	8			22	6	2			18	2	2		
06	116	2	2			89					70					57	3	4			25	6	3			28	8	14			22	4	4			18	2	2		
07	116	2	2			89					68					57	4	2			26	6	4			26	8	12			22	6	8			18	2	0		
08	116	2	2			85					70					57	2	4			24	6	2			23	9	9			20	6	6			18	2	2		
09	116	3	3			81					68					57	4	4			24	8	2			24	8	10			22	6	10			18	4	2		
10	116	2	2			85					67					57	2	5			24	8	2			22	8	6			22	4	10			18	4	0		
11	116	2	2			81					69					57	2	4			24	8	2			24	8	8			22	6	6			18	4	0		
12	116	2	2			83					70					55	6	4			24	8	2			28	7	9			22	4	4			18	4	1		
13	116	2	2			85					68					56	5	3			25	9	3			26	8	4			22	2	2			19	4	2		
14	116	2	2			83					67					55	6	2			24	10	2			28	6	4			24	2	4			20	4	2		
15	116	4	4			79					69					*59					26	10	4			32	6	4			24	4	4			20	0	0		
16	116	2	2			83					67					*56					28	8	5			34	4	15			26	4	4			18	0	2		
17	116	4	4			85					69					57	2	4			26	7	4			34	6	15			26	4	4			18	2	0		
18	116	2	2			84					69					57	2	4			28	10	6			34	8	10			26	4	0			18	2	0		
19	117	2	2			85					69					55	4	2			26	10	2			36	4	12			25	5	5			18	2	0		
20	116	0	0			85					70					55	4	3			24	8	2			34	6	12			24	6	6			18	0	0		
21	116	2	2			85					69					57	4	4			26	7	2			34	6	1			24	8	6			18	2	0		
22	118	2	2			84					66					55	5	2			26	6	2			34	1	14			24	4	4			18	2	0		
23	116	2	2			81					68					55	3	2			26	8	4			36	6	16			24	4	4			18	2	0		

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

USCOMM-NBS-DL

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.051					.113					.246					.545					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{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_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	114	2	4			*85					69					58	4	4								33	6	12			22	4	4			18	1	1		
01	114	2	4			86					67					56	3	2			26	7	3			29	11	11			22	3	6			18	2	2		
02	114	2	2			85					65					56	6	4			28	6	4			29	12	12			22	6	4			18	2	1		
03	*114					84					65					*54					26	8	3			29	8	11			23	6	8			18	1	2		
04	*112					85					69					*55					30	4	6			26	15	9			19	8	8			18	0	2		
05	110	2	2			87					67					54	6	2			28	5	5			29	9	11			21	3	6			18	1	2		
06	110	7	2			87					67					56	4	4			26	7	8			29	6	12			22	4	11			18	1	2		
07	110	6	2			87					63					54	6	2			28	4	6			27	8	10			23	3	13			18	12	2		
08	*111					87					67					55	5	3			26	7	2			29	6	12			23	3	5			18	2	2		
09	*110					89					65					56	7	4			28	6	4			29	8	10			23	4	11			18	2	0		
10	*112					85					67					*57					28	4	3			31	4	14			22	4	6			18	3	0		
11	*111					85					67					58	4	6			30	2	4			28	6	7			24	6	5			18	2	0		
12	112	2	4			83					69					56	4	4			29	2	3			29	4	6			23	3	3			18	2	0		
13	110	4	4			83					65					56	5	4			27	3	4			31	4	6			24	4	2			18	2	0		
14	109	4	2			85					67					59	3	4			28	2	4			31	4	5			24	3	2			18	1	0		
15	*109					83					67					*58					28	2	2			34	5	8			24	2	2			18	2	0		
16	110	6	4			87					66					*58					28	3	2			33	6	3			24	2	2			18	2	2		
17	*112					85					66					58	4	6			28	4	4			34	7	8			24	4	5			18	2	2		
18	*112					84					67					58	4	4			28	6	4			33	9	8			24	4	6			18	2	1		
19	*113					85					67					58	3	4			28	4	2			35	8	8			24	4	5			18	2	0		
20	114	3	6			85					65					58	4	4			28	2	4			31	8	5			24	4	6			18	2	2		
21	110	10	2			87					65					56	5	2			30	2	8			31	13	9			23	4	8			18	2	1		
22	114	6	4			86					69					58	3	4			26	7	3			35	7	10			22	6	2			18	2	1		
23	114	4	2			87					67					56	6	4			27	5	4			33	6	8			22	7	3			18	2	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 Cook, Australia Lat. 30.6 S Long. 130.4 E Month March 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	158	4	4	9.0	14.0	130	5	6	10.0	17.0	108	6	4	10.5	18.0	89	8	10	*8.5	*15.0	60	7	13	7.0	13.0	54	4	4	*6.0	*9.5	45	2	5	*4.0	*6.5	22	2	0		
01	158	3	3	9.0	14.0	131	5	8	11.0	18.0	108	4	10	10.0	17.0	89	7	18	10.0	18.0	60	8	9	*6.0	*12.0	54	4	2	5.5	9.0	45	2	4	*5.0	*7.5	23	2	1	2.0	3.5
02	158	4	4	9.0	14.5	130	6	6	10.0	16.0	106	8	7	10.0	16.0	86	8	9	9.5	18.0	60	7	9	*6.5	*11.0	54	6	2	*4.5	*8.0	44	4	4	*4.0	*6.0	24	0	2		
03	158	2	4	8.5	14.0	130	5	5	9.5	16.5	104	8	7	8.0	14.5	84	8	7	7.0	15.0	58	9	6	*5.0	*10.0	54	5	2	*4.5	*8.0	43	10	6	*5.0	*7.0	24	0	2	2.0	2.5
04	158	3	6	9.5	15.5	128	6	6	9.0	14.5	102	9	5	8.0	16.0	85	10	9	*6.0	*14.0	59	6	6	6.0	12.0	54	6	2	4.5	8.5	43	5	5	*5.5	*9.0	23	1	1	2.5	3.0
05	158	2	5	9.5	16.0	128	6	9	9.0	16.0	99	9	5	9.5	16.5	76	11	9	8.0	12.5	57	6	5	7.0	12.0	56	5	2	*4.0	*8.0	41	6	4	*3.5	*6.0	24	0	2		
06	157	5	5	10.0	15.0	123	6	8	9.0	15.5	86	16	9	*19.0	*29.0	43	27	4	*9.0	*21.0	54	6	8	*6.5	*10.5	52	3	4	5.5	9.0	40	3	3	3.5	6.0	24	1	2	2.5	3.5
07	157	3	3	10.5	16.0	118	8	13	12.5	19.5	74	14	16	*12.5	*24.5	40	28	1	*4.0	*5.0	34	14	11	*9.0	*13.5	36	11	6	*4.0	*7.0	36	5	3	*4.0	*5.5	24	2	2	2.5	3.5
08	153	4	4	10.5	17.0	114	10	9	13.0	20.0	76	16	15	*18.0	*25.0	41	28	2	*4.0	*5.0	22	13	4	*5.5	*8.0	28	15	6	*4.0	*6.5	33	5	2	3.5	5.0	24	3	2	2.5	3.5
09	154	2	6	11.0	17.5	112	10	6	14.0	22.0	76	15	12	*15.5	*21.0	42	22	3	*3.0	*4.0	18	10	0	*6.0	*4.5	28	10	7	*3.5	*6.5	32	3	4	*3.0	*5.5	24	2	2	2.5	4.0
10	152	4	6	12.5	19.5	110	12	6	14.5	24.0	73	17	9	*11.0	*17.0	49	11	10	*3.0	*5.0	18	10	0	*4.5	*5.0	28	7	6	*3.0	*5.5	29	8	4	*3.0	*5.0	22	4	0	2.5	4.0
11	152	6	4	*14.0	*21.0	115	9	9	15.5	24.0	77	11	14	*14.0	*19.0	51	4	8	*2.5	*5.0	18	12	0	*3.0	*4.0	28	8	10	*6.0	*9.0	29	10	8	*3.0	*6.5	24	5	4	3.0	5.0
12	152	4	5	14.5	22.0	116	8	7	15.0	24.0	79	10	7	*10.0	*16.0	51	7	12	*3.5	*5.0	22	12	4	*3.0	*4.0	30	9	13	*5.0	*7.5	29	10	8	*7.0	*12.0	22	6	3	2.5	4.5
13	153	5	5	14.0	21.5	121	5	9	13.0	24.5	84	4	16	*7.5	*14.5	51	4	8	*2.5	*4.5	22	12	4	*4.0	*6.5	28	10	14	*2.5	*5.0	32	6	7	*3.5	*5.0	22	5	2	3.5	5.0
14	154	3	5	*11.5	19.0	122	5	9	9.5	16.0	89	16	12	8.0	14.0	53	22	4	*2.5	*5.0	22	12	4	*2.5	*4.5	26	11	10	*3.5	*7.0	33	4	8	*5.0	*7.5	24	6	2	3.0	6.0
15	158	2	6	10.0	17.0	126	4	9	*8.0	*14.5	96	14	13	8.0	14.0	55	18	9	*6.0	*11.0	26	8	8	*13.5	*19.0	32	8	9	*5.5	*9.5	37	5	3	*6.0	*9.0	26	6	3	3.5	6.0
16	159	4	5	*10.0	*15.5	126	8	8	8.5	15.0	96	16	13	*8.0	*16.0	54	27	9	3.5	5.5	28	10	5	*4.5	*8.5	40	7	12	*5.0	*8.0	41	4	5	*4.0	*6.5	28	5	4	3.5	5.5
17	158	4	4	7.5	13.5	126	7	8	7.5	14.0	96	17	12	8.0	17.0	65	13	18	6.0	12.0	27	19	9	*5.5	*11.0	44	9	8	*5.5	*10.0	44	3	4	4.0	7.0	27	4	3	4.0	6.0
18	158	2	4	8.0	13.5	128	7	11	9.0	16.0	104	10	11	8.0	13.5	81	8	9	5.5	11.0	54	8	13	8.0	14.0	52	6	8	6.5	11.0	45	4	2	*4.0	*6.0	26	5	2	2.5	4.5
19	157	5	3	8.5	14.5	130	6	8	9.0	16.0	109	6	8	7.5	16.5	90	7	9	*6.0	*12.5	61	7	8	*5.0	*9.0	58	6	3	*5.5	*10.5	47	2	2	4.5	7.5	24	6	1	3.0	5.0
20	158	4	4	8.5	14.0	130	9	6	7.5	13.0	108	8	7	8.0	15.0	92	7	11	7.0	14.0	63	10	7	*6.0	*13.0	60	4	5	5.5	9.5	47	4	2	*4.0	*7.0	24	8	2	2.5	3.5
21	158	4	3	9.0	14.0	132	5	7	9.0	16.0	109	7	11	10.5	17.5	92	8	6	5.5	10.0	64	8	10	*8.0	*14.0	58	5	2	*5.0	*8.5	45	4	2	*4.0	*6.0	22	5	0	2.5	3.5
22	158	4	4	9.5	15.0	130	6	4	10.0	16.5	106	10	6	9.0	16.0	91	8	10	8.0	16.0	60	12	6	*8.5	*15.5	58	4	4	*5.5	*9.5	45	2	3	*4.5	*7.0	22	2	0	2.5	3.0
23	157	4	4	9.0	15.0	130	6	6	10.0	17.0	108	7	9	9.5	18.0	91	5	10	11.0	18.0	62	8	10	*7.0	*14.5	56	6	4	6.0	10.0	45	3	2	*3.0	*5.0	22	2	0	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-DC

MONTH-HOUR VALUES OF RADIO NOISE

Station Cook, Australia Lat. 30.6 S Long. 130.4 E Month April 19 61

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	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	159	5	4	9.0	14.0	131	10	4	10.0	15.5	110	13	5	10.0	18.0	92	11	10	*8.5	*17.0	62	10	10	5.0	10.0	54	10	6	5.0	10.5	43	4	2	*6.5	*10.0	24	0	2	2.5	5.0
01	159	4	3	*9.0	*13.0	131	9	3	*11.5	*17.0	110	12	6	*10.5	*16.5	90	12	8	*9.0	17.5	62	10	10	5.0	9.5	54	6	6	5.5	10.0	43	4	3	*5.0	*8.0	22	2	0	2.5	5.5
02	159	5	4	*11.0	15.5	131	9	2	*10.0	*15.0	110	11	6	11.0	18.0	90	12	12	*10.5	17.0	60	15	9	6.0	10.5	54	4	6	6.0	9.5	43	4	2	*4.0	*7.0	22	3	0		
03	159	4	4	*11.0	*15.0	133	7	4	*13.0	*18.5	110	10	5	11.0	17.0	88	14	10	*8.0	15.0	60	17	12	5.5	10.5	54	8	6	5.0	9.0	43	4	4	*4.0	*7.0	24	0	3	2.5	5.0
04	159	6	3	*10.0	*15.5	133	6	4	*11.5	*16.0	108	12	7	*11.5	*19.0	89	11	9	*9.0	16.0	60	14	12	7.0	12.0	54	7	4	5.0	9.5	41	4	6	4.0	6.0	24	0	2		
05	159	6	4	*10.0	*16.5	132	7	6	*10.5	*16.0	106	13	8	9.5	15.5	88	10	12	*9.0	16.0	60	12	11	6.0	11.0	54	6	4	4.0	8.0	39	5	2	3.5	6.0	24	0	2		
06	158	7	5	*11.0	*17.0	127	10	2	*14.0	*20.0	95	21	7	*11.0	*20.5	58	29	9	*12.0	21.0	56	16	9	5.5	10.0	54	6	4	4.0	7.0	40	4	5	3.5	5.5	24	1	2	3.0	5.0
07	155	7	3	*6.0	*18.0	121	14	6	9.5	16.0	86	31	15	*12.0	*19.0	48	41	7	*5.5	14.5	42	16	10	*7.5	*11.5	40	15	4	5.0	8.0	37	9	2	4.5	7.5	24	3	1	3.0	5.0
08	155	8	4	11.5	16.5	117	24	13	*11.5	*18.0	86	34	22	*15.0	*23.5	48	44	6	*8.0	17.0	30	28	10	10.0	14.0	32	22	12	*7.0	*12.0	33	14	2	*4.0	*7.5	24	2	2	4.0	7.0
09	155	10	4	*12.5	*19.0	119	25	17	*12.5	*19.0	90	32	24	*15.0	*21.5	54	41	15	*9.5	19.0	24	30	6	*5.0	*7.0	30	20	8			31	15	6	6.0	10.5	24	2	4	2.5	5.0
10	154	7	3	13.5	20.0	115	22	14	*17.0	*24.5	82	34	10	*17.0	*25.0	52	43	11	*15.0	24.0	19	34	1			26	21	4	*3.0	*5.0	29	12	6	*4.0	*7.0	22	4	3	2.5	4.5
11	153	11	2	*13.5	*21.0	115	21	9	*15.5	*26.0	88	28	16	*20.0	*27.0	55	32	14	*10.0	13.5	24	20	6	*3.0	*5.0	28	18	9	*4.5	*7.0	31	12	16	*4.5	*8.0	22	6	2	2.5	4.0
12	153	4	4	*14.0	21.0	121	13	16	*15.0	*23.0	90	23	21	*11.0	*18.5	57	28	14	*5.0	8.0	22	16	4	*3.0	*5.0	30	14	15	*4.0	*8.5	31	12	16	*3.0	*4.0	22	6	2	4.0	7.5
13	156	9	5	*14.0	20.5	125	13	10	*13.5	*22.5	99	18	25	*13.0	*21.0	58	42	9	*5.0	8.0	25	23	7	*3.5	*6.0	34	9	13	*5.5	*7.5	35	14	11	*4.0	7.0	24	12	4	4.5	6.5
14	155	8	2	*13.5	21.0	*127			*14.0	*21.0	104	18	14	*12.0	*17.5	64	28	11	*11.5	17.5	*30					38	11	12	*5.5	*9.0	39	6	8	*5.0	*9.0	24	10	2	5.0	8.0
15	159	8	7	*11.5	19.0	129	10	17	*14.0	*20.5	107	21	19	*10.5	*19.0	*71			*10.5	18.5	28	34	5	*4.0	*10.0	40	11	13	*5.5	*11.0	40	7	7	*7.0	*11.0	24	10	2	4.0	7.0
16	161	5	9	*9.0	15.0	125	17	13	*11.0	*17.5	100	20	28	*11.0	*18.0	63	35	13	*6.0	12.0	32	27	10	*6.0	*12.0	40	18	10	*5.5	*10.0	41	8	4	5.5	9.5	26	6	2	4.0	6.0
17	157	10	4	9.0	14.0	125	18	18	*11.5	*18.0	104	20	25	*9.5	*16.0	76	22	8	*7.0	13.0	48	18	17	6.5	11.5	49	9	13	6.0	10.0	45	6	5	4.5	8.0	26	4	4	4.0	6.5
18	157	8	4	9.5	14.0	129	16	16	10.0	17.5	108	16	18	9.5	17.0	91	12	4	7.0	14.0	56	16	13	*5.0	*12.0	55	7	17	7.0	11.5	45	4	4	4.5	7.5	24	4	2	2.5	5.0
19	159	6	6	*9.5	*15.0	131	12	10	9.5	15.5	112	12	17	8.0	16.0	92	13	11	7.0	15.0	66	10	16	5.5	11.0	56	8	5	6.0	10.0	45	2	5	3.5	6.0	24	2	2	2.5	3.0
20	160	7	3	9.5	15.0	133	10	8	11.5	18.5	112	14	10	*11.0	*17.5	94	12	12	8.0	13.0	66	10	14	5.0	10.5	56	7	5	5.0	9.0	43	4	2	*4.5	*7.0	22	3	1		
21	159	6	4	*10.0	*16.0	133	9	8	10.0	17.0	111	11	8	10.0	17.0	94	11	14	*9.0	*15.0	66	10	14	*5.5	*9.5	58	6	7	*5.5	*10.5	43	6	2	3.0	6.0	22	3	0	3.0	5.5
22	159	6	4	*12.0	*15.0	133	10	6	*11.0	*16.5	112	12	11	10.0	17.5	95	11	17	*9.0	*17.0	66	12	14	5.0	8.5	56	8	4	*5.0	*8.5	43	6	2	*4.0	*7.0	22	3	0	2.5	5.5
23	159	6	4	*10.5	*16.0	133	10	6	*12.0	*19.5	110	13	7	*10.0	*18.0	93	10	13	*9.0	*18.0	64	10	12	5.5	10.5	56	5	8	*5.0	*9.5	45	0	6	*4.0	*6.5	22	4	0	2.5	5.0

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

USCOMM-NBS-BL

MONTH-HOUR VALUES OF RADIO NOISE

Station Cook, Australia Lat. 30.6 S Long. 130.4 E Month May 19 61

Frequency (Mc)

Hour (LST)	.013					.051					.160					.545					2.5					5					10					20				
	Fom	Du	Dℓ	Vdm	Ldm	Fom	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	Fam	Du	Dℓ	Vdm	Ldm
00	158	1	2	7.0	11.0	131	4	4	7.5	12.0	103	4	4	6.5	12.0	84	5	4	6.0	10.5	54	5	4	5.5	9.5	48	6	3	5.0	8.5	42	3	6	*8.0	*11.0	23	0	0		
01	158	1	2	7.0	11.0	133	3	6	7.5	12.5	103	7	6	7.0	11.5	84	6	5	6.0	10.0	56	6	6	5.0	9.0	49	5	5	5.0	9.0	41	2	4	*3.5	*6.0	23	0	1		
02	158	2	2	7.5	11.5	131	4	2	8.0	13.0	103	6	6	6.5	11.0	84	5	4	5.5	10.0	54	7	4	5.5	9.5	50	3	4	5.0	8.5	40	5	5	*3.5	*5.0	23	0	1		
03	156	4	1	8.0	12.0	131	6	4	8.0	12.5	103	6	4	6.0	10.5	84	6	4	6.5	11.0	54	5	4	5.5	9.5	50	4	6	5.5	8.5	39	4	4	*2.5	*4.5	23	0	0		
04	158	2	4	9.0	14.0	131	4	3	8.5	13.0	103	4	6	7.0	11.0	84	7	4	5.5	10.0	54	6	6	5.0	9.0	50	2	5	5.5	9.5	37	5	3	*3.5	*5.5	23	0	1		
05	156	3	2	8.5	14.0	132	3	5	8.5	13.0	101	5	6	6.5	10.5	84	6	6	*6.0	*13.0	52	8	3	5.5	9.0	50	2	4	5.0	8.5	35	4	3	*3.0	*4.5	23	0	0		
06	158	0	4	9.5	15.0	129	4	4	8.0	13.0	95	6	4	*10.0	*17.0	64	18	4	*11.5	*19.0	50	7	3	5.0	8.0	48	5	4	4.5	8.0	35	5	3	*3.0	*5.5	23	0	0	4.5	6.0
07	154	2	2	9.0	14.0	121	4	4	8.0	13.0	69	14	4	*11.0	*14.5	44	10	2	*4.5	*6.0	38	13	4	*6.0	*9.5	42	5	6	4.0	7.5	35	4	2	3.5	6.0	23	2	1		
08	152	2	2	10.0	16.0	113	8	6	*9.5	*14.5	65	19	4	9.5	12.5	42	11	0	*4.0	*5.0	24	11	4	*7.5	*12.0	26	6	4	*4.0	7.0	31	6	3	*3.5	*5.5	23	2	2	2.5	4.0
09	152	2	3	11.0	16.0	111	8	4	11.5	18.0	69	14	6	*9.0	*12.0	42	17	0	*5.0	*7.0	20	11	2	*9.0	*13.5	22	10	5	*9.5	*14.5	27	9	4	*5.0	*7.5	23	2	2	3.0	4.0
10	152	2	4	11.0	17.0	111	7	6	*13.0	*20.0	67	12	5	*7.5	*9.5	44	19	2	*4.0	*6.0	18	15	0	*3.5	*5.0	20	10	6	*5.5	*8.5	27	10	6	*3.0	*5.5	22	3	1	2.5	4.5
11	152	2	4	11.0	17.5	112	5	5	13.0	21.0	74	9	7	*5.5	*8.0	54	6	2	*3.5	*5.5	22	10	4	*3.0	*5.0	22	4	6	*2.5	*4.0	25	10	4	*4.0	*5.5	21	2	0	7.5	10.0
12	151	3	3	13.0	19.0	113	4	6	13.0	20.0	71	6	6	*5.0	*7.5	56	4	4	*4.0	*6.0	23	9	5	*8.5	*11.0	24	11	7	*3.0	*6.0	21	9	4	*2.5	*4.0	21	4	0	3.0	5.0
13	152	1	3	12.0	19.5	115	2	5	*12.5	*20.0	71	9	4	*9.0	*10.0	54	5	4			24	6	4			22	14	8			24	5	5	*6.0	*10.0	21	2	1	2.5	4.0
14	152	2	2	*11.0	*18.0	115	4	3	11.5	19.5	69	14	6	*6.0	*8.0	54	4	7	*2.5	*4.5	26	4	8	*3.0	*6.0	21	13	5	*3.0	*4.5	27	6	2	*3.5	*6.0	23	2	2	4.5	7.0
15	152	3	2	10.0	16.5	115	3	5	9.0	16.5	68	8	6	*6.0	*8.5	44	15	4	*2.5	*4.0	22	7	4	*5.0	*9.0	20	10	4	*5.0	*8.0	33	2	4	*3.0	*7.0	23	2	0	3.0	5.0
16	152	4	2	8.5	14.5	113	4	4	9.5	15.0	71	9	5	9.0	13.0	54	6	7	*2.0	*10.0	23	8	4	*6.0	*10.0	28	3	6	*3.5	*6.0	37	4	2	*5.5	*9.5	25	0	2	3.0	5.5
17	154	2	2	8.0	13.5	113	7	2	9.5	15.0	83	7	6	*9.0	*17.0	74	8	10	*6.5	*12.5	36	8	8	*9.5	*15.0	38	4	6	4.0	7.0	39	2	2	*4.5	*8.5	25	0	2	2.5	4.0
18	153	3	1	7.0	12.0	117	9	3	10.5	18.0	89	9	5	11.0	19.0	76	8	6	6.5	12.0	46	9	8	*5.5	*10.0	42	5	5	7.0	10.0	39	4	2	3.0	5.5	23	2	0		
19	154	2	2	7.0	11.5	125	4	5	10.0	17.0	95	8	4	9.0	15.0	81	7	5	6.0	10.0	50	11	6	7.5	12.0	47	7	3	4.5	7.5	41	4	3	*4.0	*7.0	23	0	0		
20	156	2	2	7.0	12.0	129	6	6	10.0	16.5	99	10	6	8.0	14.0	86	6	4	4.5	9.0	54	6	6	*7.0	*12.0	50	3	4	5.0	8.5	41	4	5	*4.0	*5.5	23	0	0		
21	156	2	2	7.0	11.0	129	5	4	8.0	14.5	102	6	7	7.0	12.0	86	7	5	4.5	10.0	54	5	4	6.0	11.0	52	5	6	5.0	9.0	43	2	6	*3.5	*6.0	23	0	0		
22	156	2	2	6.5	10.0	131	2	6	7.0	12.0	103	4	8	7.0	12.0	84	6	4	5.5	9.5	54	7	4	*5.0	*8.5	52	3	5	*4.5	*7.5	39	4	4	*3.0	*6.0	23	0	1		
23	156	2	2	6.5	10.0	131	3	4	7.5	12.5	103	5	6	6.5	11.0	84	6	4	7.0	10.5	54	4	6	*4.0	*8.0	50	4	7	5.0	7.5	41	2	4			23	0	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. 59.5N Long. 17.3E Month March 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	152	2	5	8.0	14.0	114	4	3	8.0	13.0	100	6	8	9.0	13.5	80	13	11	*3.0	*4.0
01	152	2	4	8.5	14.0	114	4	2	8.0	13.5	104	6	4	2.0	6.5	76	19	8	2.0	4.0
02	152	2	4	9.0	15.0	114	2	4	8.5	13.0	102	6	4	4.0	7.5	74	20	6	3.0	6.0
03	150	4	2	10.5	16.5	114	4	4	8.0	13.0	104	4	9	5.0	10.0	78	11	13	*2.5	*4.5
04	150	4	2	10.0	16.5	112	6	2	7.0	12.0	104	6	18	7.0	12.5	64	22	5	3.0	6.0
05	150	4	2	10.0	15.5	110	6	2	9.5	16.0	98	10	20	4.0	10.5	61	12	7	*2.0	*4.0
06	150	2	3	11.0	17.5	104	4	4	8.5	13.5	82	9	2	3.0	5.0	59	8	5	*1.0	*3.0
07	146	4	2	11.0	16.5	98	5	3	10.5	15.0	88	4	7	4.0	8.5	54	9	4	*2.0	*4.5
08	144	4	4	10.5	16.5	94	8	6	*14.0	*19.0	92	6	6	3.5	9.0	55	6	5	*4.0	*6.0
09	144	2	4	10.5	16.0	94	8	8	*8.0	*11.5	92	4	9			54	5	5	*2.0	*4.0
10	144	2	2	9.5	15.0	94	8	8	12.0	17.0	88	8	8	3.0	7.0	54	6	4	*2.5	*6.0
11	144	4	4	9.0	15.0	93	10	7	*8.5	*12.5	88	10	6			52	8	2	*2.0	*4.0
12	146	2	4	9.0	14.0	98	4	12	10.0	14.5	88	6	6	5.0	10.0	52	8	4	*2.5	*4.5
13	146	2	4	8.5	13.0	94	8	6	7.0	10.0	92	5	8	4.0	8.5	52	9	2	*2.5	*4.0
14	146	2	4	6.5	11.5	96	6	8	*8.0	*11.5	88	6	6	5.0	8.0	54	6	4	2.0	3.5
15	146	2	3	7.0	10.0	96	8	5	9.0	12.0	89	8	8	5.0	8.5	56	4	4	*2.0	*3.5
16	146	1	3	6.0	10.5	100	5	7	7.5	10.5	90	4	6	3.5	8.5	62	13	6	*1.0	*3.0
17	146	1	3	6.5	11.0	104	3	6	*10.0	*15.0	87	7	4	4.0	8.0	68	15	5	2.0	3.5
18	146	2	2	6.0	10.0	106	6	4	7.5	11.5	90	4	8	6.0	9.5	74	15	2	*2.0	*3.5
19	148	2	4	6.0	11.0	110	4	3	6.0	11.0	94	5	7	4.5	8.0	80	12	10	2.0	3.0
20	148	2	2	7.0	11.5	112	4	3	7.0	12.0	96	7	4	4.0	9.0	78	12	8	2.0	4.0
21	150	2	4	7.0	12.0	114	2	4	7.0	11.0	96	9	4	6.5	11.0	78	14	8	1.0	2.5
22	150	2	2	7.0	12.5	114	2	4	6.0	10.5	96	7	4	4.0	8.0	80	16	10	1.5	3.0
23	152	2	3	7.5	13.0	114	3	3	7.0	11.5	98	8	4	6.0	10.5	78	18	8	1.5	3.0

Hour (LST)	2.5					5					10					20				
	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}
00	55	7	5	3.5	7.0	52	4	4	4.5	7.5	35	8	4	2.5	4.5	19	0	2	1.0	2.5
01	53	7	3	4.0	7.0	50	5	4	3.5	7.0	35	6	4	2.5	4.5	19	0	0	1.0	2.5
02	51	5	6	5.0	8.0	50	8	4	4.5	7.0	35	6	4	2.5	5.0	19	0	0	1.0	2.5
03	51	4	4	7.5	10.5	50	5	6	*5.0	*8.0	35	6	4	3.5	5.0	19	1	0	1.0	2.0
04	51	2	4	*6.0	*9.0	48	4	4	5.0	7.0	39	5	6	*8.0	*11.5	19	0	0	1.0	2.5
05	49	4	4	*6.0	*9.0	50	4	6	4.5	7.0	39	8	6	*2.5	*4.5	19	0	0	1.0	2.5
06	41	7	5	*5.5	*7.5	48	2	4	*4.5	*7.5	43	10	7	*5.0	*8.5	19	0	0	1.0	2.5
07	33	6	6	*4.0	*6.0	42	4	4	*8.0	*10.5	41	10	3	*5.5	*8.0	19	3	0	2.0	4.0
08	37	4	9	*3.0	*4.0	38	4	6	*3.0	*4.0	41	8	4			19	5	1	*1.0	*3.0
09	29	6	3	*4.0	*6.0	34	6	6	*8.0	*12.0	*39			*8.0	*11.5	19	5	0	*1.5	*3.5
10	29	4	4	*2.5	*4.5	32	7	5	*7.0	*10.0	*40					20	3	1	2.5	3.5
11	30	6	5	*6.0	*7.5	30	4	6	*4.5	*7.0	40	7	8	*0.5	*2.0	21	2	2	2.0	3.5
12	31	6	2	*7.5	*9.5	30	6	8	*5.0	*7.0	39	6	8	*8.0	*13.0	21	2	3	2.0	3.5
13	31	2	6	3.0	5.0	30	12	5	*4.5	*7.5	43	7	10	*4.0	*6.0	21	2	2	*2.0	*4.0
14	31	4	5	3.5	5.5	32	8	6	*6.0	*9.5	45	5	3			21	4	2	3.5	5.5
15	33	4	6	*4.0	*6.0	36	4	4	*8.5	*11.5	47	2	4			21	3	2	*2.0	*4.0
16	37	4	4	*4.0	*5.0	41	7	7	*4.0	*6.0	47	4	6			21	2	4	2.0	4.0
17	40	9	5	*6.0	*8.0	46	6	2	*2.5	*4.0	*45			*6.5	*11.5	21	2	4	2.0	4.0
18	48	7	3	*4.0	*7.0	52	6	2	*4.0	*8.5	*44					19	4	2	3.0	4.0
19	51	3	6	*4.0	*6.0	54	2	4	*5.0	*7.5	*44			*2.0	*4.5	19	2	2	2.0	3.5
20	51	6	2	*5.0	*7.5	54	2	4	*4.0	*7.0	*43					17	4	0	2.5	4.5
21	53	6	6	*4.5	*7.5	54	3	2	3.0	6.5	41	6	6	*3.5	*6.0	19	0	2	3.5	5.0
22	53	4	6	*6.0	*8.0	54	2	3	*6.0	*9.0	39	4	6	*2.5	*4.0	19	0	2	3.0	4.5
23	53	6	5	*4.0	*9.0	52	2	4	4.0	6.0	38	5	5	3.0	5.0	19	0	2	1.0	3.0

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Enkoping, Sweden Lat. 59.5N Long. 17.3 E Month April 19 61

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5					5					10					20				
	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm
00	152	3	2	8.0	13.0	120	6	5	7.0	12.0	103	4	8	*8.0	*12.5	72	20	4	4.0	7.0	58	7	5	*6.5	*10.0	56	3	5	5.5	8.5	41	4	6	3.0	5.0	18	2	1	1.0	2.5
01	152	3	2	8.5	14.0	118	6	4	7.0	12.0	104	4	8	*6.5	*12.0	72	18	5	2.0	4.5	55	6	4	*9.0	*13.0	53	6	4	*4.0	*9.0	39	5	4	*3.0	*6.0	18	2	1	1.0	2.5
02	152	2	3	9.0	14.0	116	8	2	8.5	13.5	105	4	10	*5.0	*10.0	70	24	5	4.0	7.0	53	6	4	*8.0	*13.0	53	4	12	5.0	9.5	37	6	5	4.5	6.5	20	0	3	1.0	2.5
03	150	4	2	9.5	14.5	116	6	4	8.0	13.5	103	6	6	*6.5	*13.5	66	18	10	*2.5	*5.0	51	8	4	*9.0	*12.5	53	4	10	*7.0	*9.0	41	4	8	*7.0	*10.5	19	1	3	1.0	2.5
04	150	3	2	9.5	16.0	112	5	7	9.0	13.5	85	18	10	*4.0	*8.0	58	16	6	*2.5	*4.5	49	6	4	8.0	11.5	51	4	6	*6.5	*10.0	39	6	4	*3.5	*6.0	18	2	2	2.5	4.0
05	150	2	5	11.0	17.5	104	6	4	8.5	13.0	83	4	7	*3.0	*7.0	56	14	4	*4.0	*6.5	41	8	6	8.0	12.0	47	4	6	7.0	10.0	41	2	6	*5.0	*7.0	18	2	2	2.0	3.5
06	146	4	2	10.0	16.0	100	13	6	9.5	14.5	87	8	6	*4.0	*7.0	54	10	2	3.0	5.0	35	4	4	*7.5	*10.5	41	6	4	*6.0	*8.5	39	5	4	*5.0	*7.0	18	2	2	1.5	3.0
07	146	2	3	10.0	16.0	98	9	6	*13.5	*19.0	89	6	7	*4.5	*8.5	52	4	2	*3.0	*5.5	31	6	6	*3.0	*5.0	39	8	6	*5.0	*4.5	41	4	6			18	2	2	*2.0	*3.0
08	146	2	4	10.0	16.0	96	10	6	11.5	16.5	91	4	10	*6.0	*11.0	52	6	3	*2.5	*4.0	35	7	7	*3.5	*5.5	35	4	7	*4.0	*5.5	39	4	4			18	3	1	*1.0	*3.0
09	144	4	2	*10.0	*16.0	99	10	9	14.0	18.0	89	4	4	*7.0	*11.0	51	5	3	*3.0	*4.0	27	4	2	*4.5	*7.0	*33					37	6	4	*3.5	*6.5	18	2	0	*1.5	*3.0
10	144	5	2	9.5	14.5	104	8	12	10.5	16.5	87	6	6	*9.5	*13.5	52	4	2	*2.5	*4.0	27	2	2	*4.0	*6.0	30	7	5	*5.0	*8.0	37	5	2	*4.5	*6.5	20	2	4	*3.0	*4.0
11	148	4	4	10.0	15.0	108	10	8	13.0	18.0	87	8	9	*6.0	*11.0	52	6	2	*1.5	*3.5	27	3	3	3.5	5.5	27	5	3	*3.0	*4.5	38	3	5	*8.5	*13.5	20	2	2	*2.0	*3.5
12	150	4	5	8.5	13.5	112	10	12	13.0	18.5	87	8	4	*7.0	*11.0	52	5	2	*4.0	*6.0	29	4	2	*4.0	*6.0	27	7	4			39	5	5			21	1	3	*3.0	*5.0
13	150	6	2	8.0	12.0	114	9	10	*13.5	*19.0	91	4	8	*7.0	*11.0	54	4	4	*4.0	*6.0	27	3	2	*4.5	*6.5	32	5	6	*5.5	*8.0	42	3	5	*3.5	*5.5	20	4	2	*2.0	*5.0
14	152	4	4	8.0	12.0	115	9	11	13.5	19.0	91	8	6	*8.0	*14.0	56	4	4	*2.5	*4.0	29	6	2	*1.5	*4.0	33	10	5	*4.0	*8.0	45	4	2			20	4	2	*2.0	*3.5
15	152	4	3	8.0	12.0	114	14	8	13.5	19.5	89	12	6	*5.0	*10.0	56	7	4	*5.0	*8.0	31	8	2	*5.0	*6.5	39	6	6	*6.0	*8.5	47	4	2	*4.0	*7.0	22	2	2	2.0	4.0
16	152	6	4	7.5	11.5	116	15	16	12.5	18.0	89	13	6	*7.5	*12.0	60	6	4	*2.0	*4.5	41	4	6	*3.5	*5.0	43	12	6	6.0	11.0	49	4	4	*4.0	*8.5	22	2	2	*1.5	*3.0
17	152	6	4	8.5	12.0	118	13	12	12.5	18.0	89	14	4	5.5	10.0	64	8	4	*2.0	*4.5	42	9	5	*3.5	*6.0	49	10	7	*6.0	*9.5	49	3	6	*4.5	*8.5	22	2	2	3.0	5.0
18	152	6	6	8.0	11.0	118	12	11	11.0	16.0	92	10	7	*5.5	*9.0	72	10	6	*1.5	*3.5	49	8	6	4.0	7.5	55	6	4	5.0	9.0	51	3	4	*5.5	*9.0	22	2	2	3.0	4.5
19	152	6	4	7.5	11.5	120	9	9	8.5	13.0	95	8	10	*4.0	*7.5	76	10	6	2.0	4.0	55	8	8	*5.0	*10.0	59	4	8	*5.0	*10.0	49	4	4	*5.5	*8.5	20	2	2	2.0	4.0
20	150	6	2	7.0	12.0	122	7	9	8.0	12.5	99	4	8	4.0	8.0	78	13	8	3.0	5.5	59	6	8	*6.5	*11.5	59	4	8	5.5	10.0	47	4	5	*3.5	*7.0	18	2	2	1.5	3.0
21	152	4	4	7.5	12.5	124	4	9	7.5	12.0	101	6	5	*5.0	*8.0	78	12	8	*2.0	*4.5	59	6	9	8.0	13.0	57	6	4	*6.5	*11.0	45	4	4	*5.0	*8.0	18	2	2	2.0	4.0
22	152	4	4	7.5	12.5	122	5	6	8.0	12.0	103	6	10	*10.0	*15.5	78	14	8	3.0	6.0	57	8	4	*6.5	*11.0	57	4	4	*7.0	*11.5	43	5	6	4.0	7.0	18	2	2	1.0	3.0
23	152	4	2	8.0	13.0	120	7	5	7.0	11.5	103	4	6	*8.0	*12.0	74	18	6	4.5	7.5	57	6	5	8.0	11.0	56	3	4	*5.0	*8.0	41	4	5	4.5	7.5	18	2	2	1.0	2.5

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

USCOMM-NBS-DL

MONTH-HOUR VALUES OF RADIO NOISE

Station Enkoping, Sweden Lat. 59.5 N Long. 17.3 E Month May 19 61

Hour (LST)	Frequency (Mc)																																							
	.013					.051					.160					.495					2.5					5					10					20				
	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm
00	152	3	2	9.0	15.0	124	3	6	9.0	14.0	104	6	4	6.0	11.0	72	10	7	*6.0	*9.5	59	4	4	7.5	11.5	57	4	4	*5.0	*7.5	43	4	4	5.0	9.0	17	2	2	1.5	3.5
01	152	2	2	10.0	16.0	122	5	7	11.0	16.5	106	6	8			70	10	8	6.0	9.0	57	6	3	7.0	11.0	57	4	4	*6.5	*10.0	41	6	4	6.0	8.0	17	1	2	1.5	3.0
02	152	2	2	10.0	16.0	118	6	4	10.5	15.5	104	6	8			64	7	6	*6.5	*9.5	55	7	3	8.5	13.0	55	4	4	6.5	10.0	41	6	4	5.0	8.5	17	1	2	1.5	3.0
03	152	2	2	11.0	17.0	114	3	6	10.0	15.5	84	22	8			52	9	5	*4.0	*5.0	51	6	4	7.0	10.0	51	4	2	6.0	9.0	45	4	4			15	4	0	1.0	2.0
04	149	3	1	11.0	17.0	110	6	6	*12.0	*18.0	78	8	8	3.5	7.5	54	6	6	1.5	3.5	39	8	6	*8.0	*11.0	45	4	2	6.5	9.5	41	6	4	*8.0	*10.5	15	4	0	1.0	2.5
05	148	2	3	11.0	17.5	105	8	7	*13.0	*19.0	80	6	6	4.0	7.0	54	4	4	*2.0	*4.0	32	10	5	8.0	11.0	41	8	4	*8.0	*11.0	39	8	2	*3.5	*5.5	17	2	2	1.0	2.0
06	148	2	4	11.0	17.5	103	9	9	12.0	18.0	84	5	9	4.0	8.0	52	6	2	3.0	5.0	29	4	2	*4.0	*6.0	35	3	4	*4.5	7.0	39	4	4	*7.5	*13.0	17	2	2	1.0	3.0
07	146	4	2	10.0	16.0	106	9	12	13.5	20.5	80	8	6	5.0	8.0	52	5	2	2.5	5.0	29	4	2	*2.5	*4.0	33	3	3	*3.5	*5.5	37	6	2	*5.0	*8.0	17	2	2	2.0	3.5
08	146	5	2	12.0	17.5	106	9	10	*15.0	*21.0	80	8	4	5.0	7.5	54	2	4	*3.0	*5.0	29	6	4	*4.0	*6.0	31	14	4	*9.0	13.5	39	4	4	*4.5	*6.5	17	2	2	2.5	4.0
09	148	4	2	13.0	19.0	*109			*16.5	*23.0	*83			7.0	8.5	52	4	2			29	5	2	*2.5	*4.0	29	8	2	*5.0	7.0	35	6	2	*3.0	*5.0	19	0	4	*2.0	*4.0
10	150	5	4	*13.0	*19.0	117	7	9	*15.5	*22.0	84	11	2	5.5	9.5	56	6	6	*3.0	*5.0	28	3	3	*4.0	*5.5	29	10	4	*4.0	6.5	39	6	5	*8.5	*12.0	17	4	0	2.5	4.5
11	154	4	6	*11.0	*16.5	118	8	6	*13.5	*21.5	86	15	6	11.0	14.5	56	16	6	*2.0	*5.0	29	2	2	*4.5	*7.0	32	10	5	*11.0	16.0	39	4	3	*8.0	*13.0	19	2	4	2.0	4.0
12	156	2	8	12.5	18.0	124	6	12	14.0	20.5	88	16	8	6.0	9.5	56	20	6	*4.0	*7.0	29	4	2	*7.5	*9.0	34	11	7	*10.0	15.0	39	6	6	*7.5	*13.0	19	2	4	2.5	4.5
13	156	4	6	11.5	17.5	127	5	11	12.0	19.0	92	16	10	9.0	15.0	56	24	4	*6.5	*9.0	29	7	4	*3.5	*5.5	35	9	8	9.0	14.5	44	1	9	*7.0	*12.0	19	4	4	1.5	3.5
14	156	4	4	10.5	16.0	128	6	12	*12.0	*19.0	92	17	10	9.0	14.5	58	20	5	*5.0	*7.5	30	9	3	*4.0	*6.0	37	9	9	8.0	13.0	45	3	3	*2.5	*5.5	19	3	4	2.0	4.0
15	157	5	5	9.5	14.5	125	7	7	12.0	19.5	92	16	10	10.0	16.0	58	21	4	*4.0	*7.0	33	8	4	4.0	6.0	40	9	9	8.0	12.5	45	4	2	*5.0	*8.5	19	4	2	2.0	3.5
16	156	6	4	*9.0	*13.5	122	11	6	*11.0	*18.0	90	18	8	8.0	13.0	60	20	7	*7.0	*12.5	38	5	7	*5.0	*8.5	41	10	6	*8.5	*14.5	47	4	4	*5.0	*9.0	19	5	2	2.0	4.0
17	154	8	4	8.0	12.0	120	14	6	12.0	18.5	90	17	11	11.0	17.0	59	16	6	*10.0	*14.0	35	10	4	*2.5	*4.5	43	11	5	*5.5	*10.0	49	6	4	*5.0	*9.0	19	6	2	2.5	4.5
18	152	7	3	9.0	13.0	120	11	7	12.0	19.0	85	20	7	5.5	10.0	61	11	3	*3.0	*5.0	43	10	4	*2.0	*4.0	49	10	6	*5.5	9.0	49	4	5	*4.5	*8.5	19	3	2	2.5	4.0
19	150	7	2	7.5	12.0	116	13	8	12.5	18.0	88	13	8	5.0	7.5	68	6	6	3.0	*5.5	46	10	7	5.0	8.0	53	7	4	4.0	7.0	49	9	4	*5.0	*8.0	19	4	2	2.5	4.0
20	152	4	4	7.5	12.0	118	8	6	8.5	13.5	92	11	4	6.0	10.0	70	8	4	*2.0	*4.0	53	6	6	4.5	7.5	57	4	4	*4.0	*7.5	49	4	4	*5.5	*9.0	17	3	2	1.5	3.0
21	152	4	2	7.5	12.0	124	6	6	9.0	13.0	98	8	4	6.0	10.5	76	4	5	*2.5	*5.0	59	4	6	5.5	9.0	59	4	4	*4.5	*6.0	47	6	4	*5.0	*9.0	17	2	2	2.0	3.5
22	152	4	3	8.0	13.0	124	7	6	10.0	15.5	102	8	6	5.5	10.0	74	8	5	*5.0	*8.0	59	6	4	5.5	8.5	59	3	4	5.0	9.0	45	6	4	*5.0	*8.5	16	1	1	2.0	3.5
23	152	3	3	9.0	14.0	124	6	5	11.5	17.5	106	4	6	6.0	10.5	72	9	5	*8.0	*12.5	59	6	4	6.0	9.5	58	5	3	5.5	8.5	45	4	6	*5.5	*9.5	15	2	0	1.0	3.0

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 March 19 61

Hour (LST)	Frequency (Mc)																																					
	.135					.500				2.5					5					10					20														
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	111	8	15			90	8	11			72	8	13			63	8	10			44	9	7			23	0	1											
01	111	8	14			90	6	12			73	6	14			63	8	10			42	8	5			23	1	1											
02	108	11	13			89	6	12			73	6	16			62	9	9			40	7	3			23	1	1											
03	108	10	14			88	6	12			73	6	16			61	10	8			39	8	1			23	1	1											
04	105	11	12			85	8	11			73	5	15			61	9	10			40	6	1			25	1	1											
05	105	11	12			82	9	13			73	6	17			59	11	10			40	4	1			25	1	1											
06	96	10	10			64	13	4			59	13	7			58	8	8			42	9	3			25	1	1											
07	94	9	8			61	5	4			52	7	8			50	7	7			48	5	8			25	2	1											
08	92	11	5			59	6	3			43	7	5			42	7	5			43	8	5			26	3	1											
09	94	11	7			59	4	2			38	4	4			39	5	5			40	8	3			26	2	2											
10	93	12	7			59	4	3			34	4	2			36	4	4			39	6	3			26	3	2											
11	94	11	8			59	6	2			34	7	4			33	4	2			39	5	3			26	4	1											
12	96	12	8			59	5	3			32	6	4			30	7	1			40	6	2			26	4	2											
13	96	14	7			59	14	3			33	6	5			31	7	2			42	5	4			26	4	1											
14	96	14	7			59	13	2			33	6	4			34	4	4			44	6	5			28	3	3											
15	98	10	8			60	13	4			34	6	3			36	7	5			46	6	5			27	5	2											
16	96	13	7			60	9	2			39	7	4			43	10	5			48	6	6			27	6	3											
17	97	13	8			62	12	4			46	16	5			52	8	7			52	4	8			27	6	2											
18	101	12	11			67	14	7			60	10	8			62	6	9			53	4	7			27	5	2											
19	107	7	15			80	9	15			70	7	16			65	5	8			53	5	8			25	5	1											
20	107	9	14			83	11	12			73	6	16			65	6	8			50	7	7			22	2	1											
21	109	10	15			85	10	12			72	8	16			65	6	8			49	9	7			22	2	1											
22	110	10	14			86	11	10			71	9	12			65	7	8			48	7	7			22	2	0											
23	112	9	15			89	8	11			73	8	14			65	7	8			47	8	7			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 meon power
L_{dm} = median deviotian of overage lagarithm in db below meon power

MONTH-HOUR VALUES OF RADIO NOISE

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

Hour (LST)	Frequency (Mc)																																					
	.135					.500					2.5					5					10					20													
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{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_{om}	D_u	D_ℓ	V_{dm}	L_{dm}
00	109	9	10			88	10	13			73	9	11			62	8	8			44	7	3			23	1	1											
01	109	10	11			89	8	11			72	10	10			63	7	7			44	9	3			24	0	2											
02	109	9	11			87	10	10			72	9	10			61	7	6			44	4	4			24	0	2											
03	108	9	11			87	10	10			72	9	11			60	8	6			43	4	3			24	0	2											
04	107	9	10			83	10	9			71	7	10			58	7	5			41	4	2			24	0	2											
05	97	14	5			69	12	8			62	10	7			57	8	5			41	3	3			24	0	2											
06	92	17	5			61	10	7			46	12	5			51	7	8			44	6	4			23	1	1											
07	93	17	6			60	10	6			40	12	4			41	12	5			43	9	4			24	1	2											
08	94	15	7			61	10	4			32	5	3			33	10	4			41	7	4			23	2	1											
09	93	15	7			61	8	4			30	3	2			29	10	2			39	9	3			23	2	1											
10	95	9	9			61	7	4			30	2	2			27	7	2			38	7	2			23	1	1											
11	94	11	8			61	9	4			30	5	3			26	6	1			37	6	2			23	1	1											
12	94	13	8			60	9	3			30	6	4			26	5	1			40	6	4			22	3	1											
13	94	18	8			61	10	5			30	8	2			27	8	2			41	6	4			22	5	1											
14	95	20	8			61	19	5			30	16	3			27	15	2			42	8	4			23	4	2											
15	95	22	7			62	20	6			30	18	2			30	15	4			45	5	5			24	2	2											
16	95	21	7			61	23	4			36	17	4			39	16	5			48	4	6			26	2	2											
17	97	17	9			62	17	4			42	14	8			48	13	8			50	5	4			26	4	2											
18	99	17	10			65	19	7			54	14	10			57	11	8			52	6	5			26	5	1											
19	103	13	11			73	19	12			64	12	9			61	10	7			54	4	6			26	5	2											
20	107	13	12			81	15	12			70	10	11			63	8	9			51	6	5			24	3	2											
21	107	14	8			85	14	12			70	12	11			63	9	9			49	7	4			23	2	2											
22	108	12	8			86	11	11			72	9	11			64	7	10			47	6	3			23	1	1											
23	108	9	9			87	10	13			72	10	10			63	8	9			45	5	3			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 May 19 61

Hour (LST)	Frequency (Mc) .135					.500					2.5					5					10					20														
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	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	113	9	7			89	7	10			75	7	7			66	5	7			48	6	5			24	1	0												
01	113	8	7			88	10	10			74	7	6			65	5	6			46	5	4			24	1	0												
02	113	8	8			88	11	9			75	5	7			65	6	6			44	6	4			24	0	1												
03	112	10	8			87	11	8			74	7	6			64	6	6			43	4	5			24	1	0												
04	112	8	8			84	9	7			73	7	6			64	6	7			42	5	3			26	0	1												
05	98	14	5			63	8	8			56	9	7			57	8	7			42	5	2			26	0	1												
06	96	12	6			59	13	7			47	8	5			48	6	6			46	5	5			26	0	1												
07	95	11	5			60	8	5			39	8	3			42	6	4			44	6	4			25	1	0												
08	93	11	4			62	4	5			36	3	2			35	6	4			41	5	2			25	1	1												
09	95	8	6			62	6	4			30	5	2			31	6	2			41	3	4			25	2	1												
10	95	11	6			61	8	3			30	4	3			29	6	2			40	3	4			24	3	0												
11	96	11	6			61	9	3			30	5	2			28	7	2			48	5	2			24	3	1												
12	96	12	5			61	7	3			29	4	4			26	7	2			43	5	4			22	2	1												
13	98	13	6			63	10	5			29	8	4			27	6	3			43	4	3			22	2	1												
14	98	14	6			64	16	6			30	16	5			29	11	4			44	7	4			22	3	1												
15	100	19	10			64	23	6			30	23	4			31	16	6			46	7	4			23	3	1												
16	100	24	10			63	29	5			35	27	4			39	16	5			47	5	5			26	4	2												
17	102	20	11			63	31	5			39	26	5			48	12	8			49	6	3			26	4	1												
18	102	21	11			64	30	6			50	23	8			56	10	7			53	5	4			28	3	3												
19	103	21	9			68	27	7			64	16	9			63	8	6			55	5	4			28	4	2												
20	108	14	7			78	20	9			70	12	7			64	7	4			53	3	3			26	4	3												
21	112	9	6			85	12	11			73	7	5			66	6	5			52	3	3			24	3	1												
22	114	7	8			87	8	13			74	6	7			66	6	5			51	4	6			24	1	1												
23	113	10	6			87	9	10			74	6	7			66	5	6			49	6	5			24	1	0												

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

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Kekaha (Kauai), T. H. Lat. 22.0 N Long. 159.7 W Month March 1961

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5					5					10					20				
	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	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	151	2	1	8.5	14.5	126	3	4	10.5	17.0	101	3	6	10.0	17.5	78	5	4	11.0	17.0	54	8	4	5.5	9.5	59	6	3	*7.0	*12.5	39	4	6	*2.5	*4.5	26	0	2	1.5	3.0
01	153	2	4	8.0	14.0	128	3	4	10.0	16.0	101	4	4	10.0	17.5	79	6	5	10.0	17.0	52	8	1	*5.0	*7.0	61	6	7	*7.5	*12.5	39	2	6	*3.0	*5.0	26	0	0	1.0	2.5
02	153	2	3	10.0	16.0	128	5	3	11.0	18.0	101	5	6	11.0	17.0	78	6	5	13.5	18.0	56	9	5	5.0	8.0	61	6	8	*4.0	*9.0	35	6	4	*3.0	*5.0	26	2	0	0.5	2.0
03	151	3	1	9.5	15.0	128	4	2	11.0	19.0	101	7	4	11.5	18.0	80	6	8	*10.5	*18.0	53	5	3	6.0	9.0	59	10	6	*6.0	*10.0	36	3	5	3.0	5.5	26	2	0	0.5	2.0
04	153	2	2	11.0	17.0	128	5	3	11.0	18.5	101	5	6	11.0	18.5	78	8	6	11.0	18.5	54	8	4	5.5	8.5	49	10	3	6.0	10.0	33	4	2	*2.5	*4.0	26	0	0	1.0	2.5
05	153	2	2	11.0	17.0	128	6	4	11.0	19.0	98	7	5	11.0	18.5	76	10	7	*11.0	*16.0	54	4	4	*6.0	*9.0	47	3	2	4.5	7.5	31	4	2	2.0	3.5	26	1	0	1.0	2.5
06	155	1	4	11.0	17.5	128	4	4	11.5	19.5	95	7	7	10.5	18.0	68	12	9	9.0	13.0	54	5	7	5.0	8.0	47	6	2	*5.0	*8.0	33	3	4	2.0	3.5	26	0	0	1.0	2.5
07	153	2	2	11.0	18.0	118	4	3	10.5	17.5	79	10	7	6.0	9.0	58	10	9	2.5	4.5	47	7	5	3.5	5.5	47	4	4	4.0	7.0	37	4	4	3.5	6.0	26	2	2	1.5	3.0
08	149	4	2	11.5	18.0	110	5	4	10.5	18.5	73	14	4	8.0	13.5	54	10	4	3.0	7.0	40	6	5	3.5	6.5	33	4	5	*3.5	*6.5	31	4	2	3.5	6.0	24	4	0	1.0	2.5
09	149	3	2	11.0	17.0	107	6	4	12.0	19.0	73	10	4	*11.0	*17.0	52	6	3	3.0	5.0	36	5	4	2.5	4.0	23	8	5	3.0	5.0	24	6	3	*4.0	*6.0	24	4	2	2.0	3.5
10	149	3	4	11.5	17.5	102	12	4	12.0	17.0	71	16	2	9.0	16.0	52	11	2	3.0	5.0	34	4	4	2.5	4.5	23	4	6			17	6	6			22	2	2	2.5	3.5
11	148	3	3	11.0	17.5	104	10	6	13.5	21.0	71	10	2	*9.5	*15.5	51	10	3	*3.0	*5.0	32	6	2	3.0	4.5	21	7	4	*4.0	*6.0	13	6	2			22	1	2	2.5	4.0
12	147	4	2	11.0	17.0	106	10	4	14.5	20.5	71	17	6	*8.0	*14.0	52	10	4	3.0	5.0	32	4	4	2.0	4.0	19	6	2	*3.5	*6.0	14	6	5			22	2	2	*2.5	*4.0
13	147	2	2	13.0	19.0	106	8	5	14.5	21.5	69	12	2	*7.0	*13.5	52	6	6	3.0	4.5	32	6	2	3.0	5.0	21	2	4	*2.0	*4.0	14	7	3			22	2	2	*2.5	*4.5
14	147	2	4	12.0	18.5	107	9	7	15.0	23.0	69	12	2	*9.0	*16.0	50	16	4	*4.5	*6.0	32	2	4	2.5	4.5	21	4	4	*4.5	*9.5	13	14	2			24	2	2	*2.5	*4.5
15	145	4	2	13.0	20.0	106	7	10	16.5	23.0	69	6	4	9.0	15.0	50	12	2	3.5	5.0	32	4	6	3.0	4.5	21	4	4			19	4	4			26	2	4	*3.0	*5.0
16	145	5	2	14.0	21.5	104	7	7	14.0	20.5	71	4	6	*10.5	*16.5	52	10	5	*3.0	*4.5	32	6	2	*3.0	*4.5	23	6	6	*3.0	*5.5	27	4	4	*4.0	*7.0	26	2	2	2.5	4.5
17	145	4	2	13.0	20.0	100	6	3	11.0	18.0	71	14	4	7.0	12.0	50	6	2	2.0	4.0	34	6	4	2.0	3.5	27	6	6			35	6	4	*2.5	*4.5	24	4	0	3.0	4.0
18	145	3	4	11.0	18.5	105	7	8	*9.0	*13.5	78	9	8	5.0	9.5	60	12	4	2.5	4.0	39	9	6	2.5	4.0	39	6	4	*2.0	*4.5	37	4	2	2.5	5.0	26	2	2	2.0	3.5
19	146	3	3	10.5	17.0	110	10	7	8.0	14.0	85	6	8	7.5	12.0	66	17	2	*7.5	*12.5	46	7	4	*2.0	*4.0	43	5	4	*2.0	*4.5	37	4	4	3.5	5.5	26	2	2	2.0	3.5
20	147	4	2	9.5	15.0	114	6	6	10.5	16.5	87	8	7	10.0	16.0	72	6	5	10.0	14.0	48	5	2	*4.5	*7.5	45	4	2	3.5	5.0	37	4	4	3.0	5.0	26	2	2	2.0	4.0
21	149	4	3	9.0	15.0	116	7	2	9.5	16.0	91	6	5	9.0	14.5	74	4	5	*12.0	*18.0	50	5	4	6.0	9.0	47	5	2	4.0	6.5	35	7	3	*2.0	*4.0	24	4	0	2.0	3.0
22	151	2	3	8.5	14.5	120	6	5	11.0	17.0	95	2	5	9.0	16.0	76	5	5	7.5	12.5	52	6	4	*7.0	*10.0	49	4	4	3.5	7.0	37	4	4	*3.0	*5.0	26	0	2	1.5	3.0
23	151	2	2	8.0	15.0	123	4	3	10.5	17.5	99	4	8	10.0	18.0	78	3	6	7.5	13.0	52	8	4	*7.0	*13.0	49	4	3	4.5	8.0	37	4	3	3.0	5.0	26	0	2	1.5	3.0

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Kekaha(Kauai), T. H. Lat. 22. 0N Long. 159. 7W Month April 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	152	2	1	7.5	13.0	130	4	6	9.5	15.0	104	9	6	9.0	16.5	81	12	4	9.5	17.0
01	153	1	2	7.5	13.0	130	2	4	8.5	14.0	103	9	4	9.0	15.5	81	10	6	8.0	15.5
02	152	2	2	8.5	14.0	129	4	3	10.5	15.5	104	7	6	8.5	14.5	81	10	4	10.0	17.0
03	152	2	2	8.5	14.5	130	4	2	9.0	15.0	104	4	4	9.5	14.5	80	11	5	10.0	18.5
04	152	2	2	9.5	15.5	130	4	3	9.0	15.5	103	5	5	9.0	15.0	81	11	6	9.0	15.0
05	152	2	1	9.5	16.0	132	2	6	9.5	15.5	102	5	6	9.0	14.5	78	13	9	8.0	15.0
06	154	2	3	9.5	16.0	126	5	4	11.0	17.0	90	10	8	8.0	13.0	61	23	6	6.0	8.0
07	150	4	1	10.0	17.0	120	6	5	10.5	16.0	76	18	4	6.5	12.5	57	24	8	3.0	5.5
08	150	4	2	10.0	16.5	108	18	4	9.5	15.5	76	30	4	7.0	13.0	53	29	4	3.0	4.5
09	150	4	2	9.5	16.0	110	13	9	9.5	15.0	74	19	9	7.5	15.0	52	30	4	4.0	6.0
10	150	4	2	10.0	17.0	110	20	6	13.0	21.0	76	30	4	9.0	17.5	55	23	6	3.0	5.5
11	150	2	4	10.5	17.0	111	11	8	12.0	22.0	74	22	4	8.0	15.0	51	30	4	3.0	4.5
12	148	5	2	11.0	18.0	112	16	10	14.0	23.5	73	22	5	8.0	15.0	53	33	5	3.0	5.0
13	148	6	2	12.0	18.5	112	15	8	13.0	22.5	76	27	8	8.0	15.5	51	25	5	3.5	6.0
14	148	4	2	13.0	20.0	110	18	6	14.0	21.0	72	28	2	7.0	14.0	51	34	4	7.0	13.0
15	148	3	4	13.5	20.5	112	19	11	14.0	22.5	72	19	7	11.0	18.0	54	22	5	7.0	11.5
16	148	4	4	13.5	21.5	108	13	8	14.0	21.0	74	18	8	7.5	13.5	57	18	8	3.5	7.0
17	146	4	2	13.0	20.0	104	14	8	12.5	18.5	72	13	2	6.0	11.5	55	32	5	3.0	6.0
18	146	6	2	12.5	20.5	104	18	6	8.0	13.5	78	27	3	8.0	14.0	64	20	9	8.0	12.5
19	146	5	0	11.0	18.0	112	12	4	10.0	17.0	90	14	8	10.0	16.5	73	18	9	11.0	20.0
20	148	4	2	9.5	16.0	116	19	2	10.0	17.5	94	18	8	11.0	19.0	77	13	7	8.0	13.0
21	150	2	2	8.0	13.0	118	14	2	13.0	20.5	97	10	7	12.0	19.0	79	6	8	9.0	17.0
22	152	1	3	8.0	14.0	122	8	3	13.5	21.0	102	8	6	11.0	19.0	81	11	6	9.0	15.0
23	152	2	2	8.0	13.5	125	6	3	9.0	15.0	102	9	5	11.0	18.5	83	8	8	8.5	15.0

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	57	5	6	9.0	15.0	61	3	8	5.0	9.5	41	3	4	2.0	3.5	25	2	2	1.5	2.5
01	55	7	6	7.5	13.0	63	7	5	5.5	13.0	41	4	2	3.0	5.0	25	0	1	1.0	3.0
02	53	9	4	8.0	12.5	65	6	9	6.5	11.0	41	4	4	2.5	4.0	25	0	1	1.0	2.5
03	54	8	5	10.5	15.0	63	8	5	7.0	11.0	39	3	3	2.0	4.0	25	0	2	1.5	3.0
04	55	6	8	6.0	9.0	51	12	5	5.0	9.0	37	6	4	2.0	3.5	25	2	2	1.5	3.0
05	54	8	7	8.0	15.0	49	4	4	7.0	11.0	37	4	6	2.0	4.0	25	0	2	1.5	3.0
06	53	9	7	8.5	11.0	51	4	7	5.0	8.5	39	5	5	2.5	5.0	25	0	1	2.0	3.0
07	43	10	8	5.5	8.5	41	8	8	6.5	11.0	37	6	2	2.0	4.5	25	2	2	2.0	3.5
08	35	15	2	4.0	5.5	29	11	5	8.0	12.0	33	4	5	2.5	5.0	23	3	0	2.0	3.5
09	35	8	4	3.0	5.0	24	12	5	3.0	5.0	23	9	4	2.0	4.0	23	2	0	2.5	4.5
10	35	5	6	4.0	6.0	23	8	4	6.0	9.0	17	17	4	10.0	17.0	21	3	2	2.5	4.0
11	33	10	5	2.5	4.5	23	6	4	6.0	8.0	13	12	4	7.5	13.5	21	2	2	4.0	6.0
12	31	9	4	3.0	5.0	21	8	3	2.5	5.0	12	16	3	3.5	6.5	21	2	2	1.5	3.5
13	31	12	4	2.0	3.5	23	4	8	5.0	8.0	15	12	6	6.5	9.5	21	2	2	2.5	4.5
14	32	14	5	3.0	5.0	25	10	10	4.5	7.5	15	14	6	6.0	10.0	22	3	3	2.0	4.0
15	33	12	5	2.5	4.5	24	11	5	5.0	8.0	17	19	4	9.0	15.0	25	2	4	2.0	4.0
16	33	8	6	2.5	4.0	25	11	6	7.0	10.5	27	8	8	8.0	14.0	25	2	2	2.0	4.0
17	35	6	6	2.0	3.5	27	14	6	9.5	16.0	33	7	4	4.0	8.0	25	3	2	3.0	5.0
18	41	12	9	2.5	4.5	37	13	5	8.0	11.5	39	6	5	4.5	7.5	25	2	2	3.0	4.5
19	47	12	6	7.0	10.0	43	11	5	5.5	9.5	39	4	4	4.5	6.5	25	2	2	3.0	5.0
20	53	11	8	7.0	10.0	45	13	2	5.5	8.5	41	4	6	5.0	8.5	25	2	2	2.5	4.5
21	53	10	6	8.5	12.0	47	11	4	4.0	7.5	39	4	3	3.0	5.0	25	0	2	2.0	3.5
22	55	10	5	7.5	13.0	49	8	4	4.0	7.0	41	6	6	4.0	6.0	25	0	2	2.0	3.5
23	55	7	6	7.5	14.0	49	8	4	6.0	10.0	41	4	4	2.5	4.5	25	0	2	2.0	3.0

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

USCOMM-NBS-BL

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013 Fam	.013 Du	.013 Dl	.013 Vdm	.013 Ldm	.051 Fam	.051 Du	.051 Dl	.051 Vdm	.051 Ldm	.160 Fam	.160 Du	.160 Dl	.160 Vdm	.160 Ldm	.495 Fam	.495 Du	.495 Dl	.495 Vdm	.495 Ldm
00	153	3	3	8.0	13.5	125	8	4	9.0	16.0	99	11	5	9.0	15.0	75	13	4	8.0	13.5
01	154	2	2	8.5	14.0	127	6	6	9.5	16.5	100	10	6	9.0	16.0	75	11	6	*8.5	*15.0
02	154	4	2	8.0	14.5	126	9	3	10.0	17.0	100	8	6	*10.0	*16.0	75	13	8	9.5	15.5
03	152	4	2	9.0	15.5	127	8	4	11.0	17.5	100	10	6	*9.5	*17.0	75	14	6	*11.0	*19.0
04	152	4	2	10.0	16.0	127	6	6	10.5	17.5	100	8	9	9.0	16.5	73	8	8	*12.5	*20.0
05	152	4	2	10.0	17.5	127	6	4	10.0	17.0	100	6	6	9.0	16.5	71	10	8	*5.5	*10.0
06	152	4	2	10.0	16.5	120	5	5	9.5	16.0	80	6	4	8.5	15.0	57	12	4	5.0	11.0
07	150	4	4	10.0	16.5	113	10	6	11.5	17.5	72	6	4	6.0	11.5	54	11	5	*3.5	*6.5
08	148	4	2	9.0	15.5	103	16	2	9.0	14.0	72	6	4	*7.0	*13.5	51	8	2	*3.0	*5.0
09	148	2	2	10.0	16.0	101	16	4	*8.0	*12.0	72	8	4	7.0	13.0	51	8	4	*4.0	*6.0
10	148	2	2	9.5	15.5	103	15	4	10.0	15.0	72	8	4	7.0	13.0	52	13	5	2.0	4.0
11	148	2	2	10.0	16.0	103	18	2	10.0	14.0	72	10	4	6.5	13.5	50	7	5	*3.0	*5.5
12	148	2	2	9.5	16.0	105	13	2	10.0	17.0	71	7	1	*6.5	*13.0	51	12	4	2.5	4.0
13	148	0	2	10.0	16.0	105	12	4	8.5	14.0	72	4	4	*7.0	*14.0	51	7	4	*1.5	*3.5
14	148	3	2	10.5	16.0	105	13	4	*8.0	*14.0	72	12	2	8.0	14.0	51	11	4	3.0	5.0
15	146	2	2	9.5	16.0	103	18	4	10.0	15.0	72	4	4	6.0	12.5	49	14	1	*1.5	*3.0
16	146	5	2	10.5	16.5	101	18	4	*8.0	*13.0	72	8	4	7.0	12.5	51	12	8	*2.5	*4.5
17	146	2	2	11.0	17.5	103	13	6	7.0	12.5	71	11	3	6.5	13.0	51	6	4	*4.0	*5.5
18	146	2	4	9.5	16.0	101	11	5	7.5	10.0	72	10	2	5.5	11.0	55	10	4	2.5	5.0
19	146	2	2	8.5	15.0	111	10	6	7.0	13.0	86	9	8	6.0	10.0	63	8	8	*3.5	*6.0
20	146	4	0	8.0	14.0	117	15	4	7.0	13.0	90	8	6	6.0	11.0	65	12	6	*7.0	*12.5
21	150	2	2	8.0	13.5	119	13	2	9.0	16.0	92	8	2	7.5	12.5	69	11	6	*5.0	*8.5
22	150	4	0	7.5	13.0	122	11	4	8.5	15.5	96	6	4	7.5	14.0	73	6	4	*8.0	*12.5
23	152	2	2	7.5	13.0	123	9	5	9.5	16.5	98	4	6	8.0	14.0	74	9	5	6.0	11.5

Hour (LST)	2.5 Fam	2.5 Du	2.5 Dl	2.5 Vdm	2.5 Ldm	5 Fam	5 Du	5 Dl	5 Vdm	5 Ldm	10 Fam	10 Du	10 Dl	10 Vdm	10 Ldm	20 Fam	20 Du	20 Dl	20 Vdm	20 Ldm
00	53	6	4	*5.5	*5.5	57	3	6	*7.0	*12.0	42	4	5	3.5	6.0	25	0	2	1.5	3.0
01	53	12	4	4.5	7.0	63	2	6	7.0	13.0	42	4	4	3.0	5.0	25	0	2	1.5	3.0
02	53	6	6	6.5	11.5	63	6	7	*4.5	*10.5	40	6	3	*3.0	*5.0	25	0	2	1.0	3.0
03	53	8	4	6.5	11.0	63	6	6	*8.0	15.5	38	4	2	*2.5	*2.5	25	0	2	1.5	3.0
04	53	8	4	*8.0	*13.5	51	13	8	6.5	9.5	38	8	2	3.5	6.0	25	0	2	1.5	3.0
05	51	8	4	*7.0	*12.0	49	7	7	6.5	10.5	36	6	4	2.5	4.5	25	2	2	1.5	3.0
06	49	6	4	*6.5	*11.0	49	6	6	6.0	10.0	38	4	4	*3.0	*5.5	25	2	2	1.5	2.5
07	41	10	4	*2.0	*3.5	35	11	6	*7.5	13.5	34	4	4	3.0	5.0	25	2	2	1.0	2.5
08	33	8	2	3.0	4.5	25	13	4	*5.5	*9.0	28	6	4	*1.0	3.0	23	2	0	1.0	3.0
09	33	4	4	*2.5	*4.0	23	6	4	2.0	3.5	22	6	4	*2.5	*4.0	23	2	2	2.0	3.5
10	32	3	3	3.0	4.5	21	6	4	*4.5	*7.5	18	10	6	*2.0	3.5	21	2	0	*3.0	*4.5
11	31	2	2	3.0	5.0	21	4	4	*4.0	7.0	16	13	6	*2.0	3.5	19	2	0	1.5	3.0
12	31	3	2	2.5	4.5	21	5	4	*3.0	*5.5	13	8	3	*1.0	*2.0	19	2	0	2.0	4.0
13	31	2	2	4.0	5.5	21	2	3	*3.0	*5.5	14	6	4	*7.0	*11.0	21	2	2	*3.0	*5.0
14	31	2	2	3.0	4.5	21	2	6	*4.5	*7.5	14	6	4			22	3	1	*2.5	*4.5
15	31	2	2	*2.5	*4.0	21	4	4	*4.5	*8.0	18	4	4			23	2	2	3.0	4.5
16	31	2	4	2.5	4.0	21	8	4	*4.5	*7.5	24	4	2	*3.0	*5.5	25	4	2	*2.5	*4.5
17	31	7	2	2.0	4.0	24	7	7	*5.0	*8.5	32	4	2	3.0	5.5	25	2	2	*3.0	*5.0
18	33	4	2	*2.0	*3.5	33	8	4	*5.5	*8.0	38	4	4	*3.5	6.0	25	2	2	2.0	4.0
19	43	6	8	3.0	5.5	45	6	6	5.5	8.0	40	3	4	*3.0	5.0	25	0	2	2.5	4.0
20	47	10	4	3.5	6.0	45	11	4	5.0	8.5	40	2	5	*3.5	6.5	25	0	2	2.0	4.0
21	49	10	4	*5.0	*7.5	47	8	3	5.0	8.0	40	3	4	2.0	4.5	25	0	2	2.0	4.0
22	53	6	6	8.5	12.5	49	7	4	5.0	9.0	40	2	4	*3.0	5.5	25	0	2	1.5	3.0
23	53	4	4	*6.0	*9.0	49	8	4	4.5	9.0	40	3	4	3.0	5.0	25	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 Ohira, Japan Lat. 35.6 N Long. 140.5 E Month March 19 61

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	153	2	4	9.0	13.5	128	4	4	10.0	16.5	106	5	6	9.0	15.0	81	5	5	7.0	11.5
01	153	2	3	9.0	14.0	129	3	5	10.5	17.0	105	6	4	8.0	15.0	81	8	4	*7.0	*11.0
02	153	3	2	9.0	14.0	128	7	3	10.5	17.0	105	8	5	9.0	16.0	80	10	5	7.5	12.0
03	153	2	4	10.5	16.0	128	4	4	*10.0	16.5	102	10	2	9.0	16.0	79	9	6	6.5	10.0
04	153	2	4	11.0	16.0	128	6	4	11.5	19.5	102	9	6	8.5	14.5	77	6	5	6.0	10.0
05	153	4	4	10.5	16.0	126	6	6	10.0	16.0	98	7	6	11.0	18.0	73	12	6	*7.0	*12.0
06	151	2	2	10.0	15.0	117	10	5	9.5	14.5	81	10	6	*7.0	*11.5	71	12	4	*6.5	*10.0
07	149	4	4	10.0	15.5	112	10	4	9.0	13.0	75	17	5	*4.0	*7.0	67	4	4	*9.5	*14.0
08	149	4	4	10.5	16.0	106	16	4	9.0	13.0	78	10	8	*7.0	*13.0	65	8	2	*7.0	*11.5
09	149	4	4	12.0	17.5	108	7	5	*8.0	*11.5	*76			*8.0	*12.0	*67			*7.0	*10.0
10	148	5	3	*14.0	*19.0	110	10	5	12.5	18.5	76	17	7	*7.0	*10.5	66	5	5	*3.5	*5.5
11	147	4	2	14.0	19.5	108	12	4	12.5	18.0	78	14	10	*5.5	*12.0	65	6	2	*4.5	*7.0
12	147	2	4	13.5	18.0	110	6	5	11.5	17.5	76	14	8	*6.0	*9.5	69	4	4	*12.0	*15.0
13	147	3	2	12.5	18.0	110	4	2	11.0	15.0	78	10	8	*7.0	*11.0	65	6	2	*2.5	*6.0
14	149	0	4	12.5	18.0	112	7	4	10.0	15.5	78	7	5	6.0	10.5	67	9	4	*5.5	*8.5
15	151	1	4	11.5	17.5	112	6	4	10.5	15.0	79	10	7	*11.0	*15.5	65	7	4	*5.5	*9.0
16	151	3	2	10.0	16.0	112	9	5	10.0	14.0	78	16	5	*5.0	*7.0	67	14	4	*6.0	*9.5
17	151	3	2	9.0	15.0	112	7	5	10.0	14.5	84	9	8	8.5	12.5	81	8	6	*7.5	*13.5
18	151	3	2	8.5	14.0	116	6	5	10.5	15.0	91	7	7	11.0	18.0	87	7	8	*9.0	*16.0
19	153	2	2	9.0	14.0	120	5	2	10.0	16.0	96	9	4	10.0	17.0	87	6	4	*9.0	*14.0
20	153	4	2	9.0	15.0	125	2	4	9.0	14.5	100	5	4	8.0	14.0	93	6	9	*1.0	*1.5
21	153	3	2	9.5	14.5	126	4	3	9.5	16.5	102	6	6	7.5	13.0	94	6	11	*7.5	*15.0
22	153	2	2	9.5	14.0	127	3	3	11.5	18.5	102	6	4	8.0	13.0	95	8	9	*7.5	*14.5
23	153	3	2	9.5	15.0	128	2	4	10.0	17.5	104	6	4	8.0	14.0	91	5	12	*1.0	*3.0

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	50	11	8	*6.0	*9.0	53	6	8	*5.0	*8.5	44	6	6	3.0	5.0	26	0	2	1.0	2.5
01	51	10	9	*7.5	*11.5	53	7	7	6.0	10.0	43	6	5	2.0	5.0	24	2	0	1.5	3.0
02	51	9	7	*5.5	*8.0	53	9	5	5.5	10.0	42	6	6	3.5	6.5	26	0	2	1.5	3.0
03	51	9	4	*9.0	*13.5	53	6	4	6.0	10.0	41	7	8	2.5	4.5	26	2	2	1.0	2.5
04	50	8	7	*7.0	*11.5	52	8	7	*5.0	*9.0	36	8	4	3.0	6.5	26	4	2	2.0	3.5
05	47	11	3	6.0	10.0	67	13	11	*7.0	*12.5	36	4	5	4.5	7.0	26	0	2	1.5	3.0
06	45	7	7	*4.5	*7.5	51	9	8	*6.0	*9.5	38	5	4	4.0	7.0	26	2	2	2.0	3.5
07	37	4	2	*6.0	*9.0	36	8	8	*6.0	*9.5	36	4	5	4.0	6.0	26	2	2	2.5	4.0
08	33	4	2	*4.0	*6.5	33	6	4	*5.5	*8.5	36	6	4	3.5	5.5	26	9	2	*2.0	*4.0
09	34	5	5	*5.5	*8.0	31	7	5	*5.5	*8.0	36	4	6	2.5	6.0	*26			*2.0	*3.5
10	35	4	2	*3.5	*6.0	31	3	6	*4.5	*6.0	32	6	5			24	18	2	*3.0	*4.5
11	33	6	2	*3.0	*5.0	29	6	4	*6.5	*8.0	33	4	5	3.5	6.0	24	11	2	*1.5	*3.0
12	33	7	4	*5.5	*8.0	29	9	4	*5.0	*8.0	32	7	5	6.0	12.0	24	9	1	*2.5	*5.0
13	33	6	3	*4.5	*7.0	31	5	4	*7.0	*9.5	32	8	4			26	12	2	*3.0	*4.5
14	33	8	2	*3.5	*7.5	31	8	4	*4.5	*8.0	35	6	4	4.5	7.5	26	13	2	*2.5	*4.5
15	33	5	3	*3.5	*6.0	33	7	5	*6.0	*8.0	38	10	5	2.5	4.5	26	11	0	*2.0	*3.5
16	37	4	3	*5.0	*8.0	35	6	3			40	7	4	1.5	3.0	30	13	4	*4.0	*6.0
17	39	4	4	*6.0	*9.0	45	5	6	*4.0	*7.0	44	5	5	3.5	6.0	28	7	2	2.5	4.5
18	43	6	5	*4.0	*7.0	47	6	8	*4.0	*7.0	44	6	6	4.5	7.0	28	5	4	*3.0	*4.5
19	47	10	8	*6.0	*9.0	64	8	6	*7.0	*13.0	44	5	2	3.5	5.5	24	8	0	*2.5	*4.0
20	49	11	6	*3.5	*6.5	71	7	8	*10.5	*19.0	44	4	4	3.5	6.0	24	2	0	1.5	3.0
21	50	10	7	*4.0	*7.0	69	9	13	*7.5	*13.0	44	5	5	2.5	5.0	24	2	0	1.5	3.0
22	49	9	7	*6.0	*9.0	67	11	11	*3.0	*6.5	44	6	2	0.5	2.0	24	2	0	1.0	2.5
23	49	12	7	*7.5	*11.0	53	22	8	*6.0	*10.0	45	5	8	3.0	6.0	24	2	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

USCOMM-NBS-BL

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Ohira, Japan Lat. 35.6 N Long. 140.5 E Month April 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	152	6	4	*6.0	*10.5	128	4	2	8.0	12.5	103	8	2	5.5	11.0	82	11	7	5.5	10.0	54	10	4	*3.5	*7.0	54	8	4	6.0	8.0	48	6	4	2.5	5.0	25	1	1	1.5	3.0
01	152	6	4	*6.5	*11.0	130	4	6	*7.0	*11.5	107	4	6	6.0	11.0	83	12	7	*6.5	*11.5	56	8	4	*3.5	*6.5	54	6	4	5.0	8.0	48	4	4	2.5	4.5	24	2	0	1.5	3.5
02	152	4	4	6.5	11.0	130	4	4	*7.5	*12.0	106	5	5	7.0	12.0	81	11	6	*8.0	*14.0	54	10	4	4.0	7.5	54	7	2	3.5	7.5	44	8	2	4.0	7.5	24	2	0	1.0	3.0
03	150	9	2	*6.5	*11.0	130	4	4	*8.0	*13.0	107	4	6	5.0	9.5	81	7	11	4.0	7.5	54	13	5	*6.0	*10.0	54	6	2	4.5	8.0	42	5	4	3.5	6.0	24	2	1	1.0	3.0
04	152	5	4	*7.0	*12.0	130	2	4	*8.0	*13.5	103	8	4	*7.5	*13.0	74	14	7	*6.5	*11.0	52	6	2	*5.0	*8.0	54	2	4	4.0	8.0	40	7	4	4.0	7.0	24	2	2	1.0	2.5
05	150	5	2	*7.0	*12.0	122	4	6	6.0	10.5	93	6	9	*8.0	*12.0	68	7	5	*3.0	*6.5	49	10	8	*4.5	*7.5	54	6	6	4.0	7.0	42	4	2	3.0	6.0	24	2	2	1.0	3.0
06	*148	4	0	*8.0	*14.0	116	9	10	*7.5	*13.0	81	19	8	*14.0	*23.0	65	9	3	*8.0	*13.5	40	8	4	6.5	10.0	36	11	2	3.0	5.0	40	4	4	4.0	7.0	26	0	2	2.0	3.0
07	*148	5	0	*8.0	*14.0	112	12	11	*15.0	*22.0	83	23	9			65	3	3	*5.0	*10.0	36	6	3	*7.0	*10.0	30	8	2	6.0	9.0	34	12	2	5.0	9.0	26	3	2	*2.0	*4.0
08	148	6	2	9.0	16.0	112	12	12	*11.5	*18.0	84	20	11	*7.0	*12.0	64	11	4	*3.0	*6.5	32	6	1	*7.0	*9.5	30	8	4	4.5	7.5	34	7	7	2.0	4.0	26	3	2	*3.0	*5.0
09	150	2	4	*10.0	*15.5	*108			*12.0	*18.0	*81			*12.5	*17.5	*65			*6.0	*11.0	34	2	4	*4.5	*7.0	*26			5.0	7.0	*26					*24			*3.0	*5.0
10	148	2	2	*7.0	*12.0	110	16	2	*15.0	*22.0	81	16	2	*7.5	*9.0	65	6	4	*5.0	*10.0	*32			*6.0	*8.0	*28			6.0	7.5	*28			3.0	4.5	*24			*1.0	*3.0
11	148	8	4	*9.5	*14.5	112	20	4	*12.5	*20.0	81	25	10	*6.0	*11.0	64	11	6	*1.0	*1.5	32	20	2	*5.0	*7.0	28	6	2	5.5	8.5	28	10	5	3.0	4.5	24	2	2	*1.0	*3.0
12	148	5	3	*11.5	*17.0	115	14	10	*11.5	*19.0	80	21	11	*13.0	*22.0	66	6	7			32	11	2	*6.0	*9.0	28	8	4	5.5	8.0	28	8	6	3.0	5.0	24	2	2	*2.5	*4.0
13	148	5	3	*11.5	*18.0	115	8	8	*10.5	*17.0	76	23	6	*7.0	*13.0	63	10	4	*6.0	*10.5	32	6	2	*7.5	*10.0	26	9	2	7.0	9.0	29	6	5	3.0	5.0	24	4	2	*1.5	*3.5
14	150	6	2	*12.0	*18.0	116	6	5	*11.0	*18.0	83	8	11	*4.5	*8.0	63	12	5	*2.5	*6.0	32	2	4	*4.5	*6.0	28	7	4	4.5	9.5	32	6	4	5.0	8.0	26	5	2	*2.0	*4.0
15	150	6	2	7.5	13.0	116	4	5	*6.0	*12.0	82	14	9	*7.0	*12.5	63	12	2	*5.5	*3.0	32	3	2	*5.0	*6.5	28	8	4	4.5	6.0	37	5	5	4.5	7.0	26	4	0	*2.0	*4.0
16	152	5	4	7.0	12.0	114	8	4	7.5	12.0	83	13	10	*7.5	*12.0	63	9	4	5.0	9.0	36	3	3	*6.5	*9.0	32	5	3	4.5	7.0	40	8	4	4.0	6.5	28	10	2	*2.0	*4.0
17	152	4	4	*5.0	*10.0	114	8	8	*14.0	*17.0	84	16	13	*7.5	*11.5	67	10	4	*5.5	*9.5	36	8	2	*6.0	*8.0	41	9	3	5.5	8.5	42	14	2	4.5	6.5	28	2	2	*2.0	*4.0
18	150	6	2	*7.0	*11.5	115	9	5	10.5	16.0	94	7	7	14.0	21.0	79	12	6	*9.0	*16.0	42	4	4	*5.0	*8.0	48	6	6	4.5	7.0	44	12	2	4.0	6.5	28	2	2	*3.0	*5.0
19	152	5	2	*7.0	*11.5	122	8	4	9.5	15.5	99	15	10	*10.0	*16.5	86	6	8	6.0	11.0	48	12	6	*5.0	*7.5	60	6	8	6.5	10.5	46	10	2	3.0	4.5	26	2	2	*2.5	4.0
20	154	4	4	*7.0	*12.0	126	6	2	*7.0	*13.0	103	12	8	*6.0	*11.5	89	8	12	*7.5	*12.0	53	9	8	3.5	7.5	69	7	7			46	9	4	3.0	5.5	24	2	2	*2.0	*3.0
21	154	4	4	6.5	11.5	128	6	4	7.0	12.0	103	10	6	*6.0	*10.0	90	12	9	*3.0	*7.0	56	12	6	3.5	7.0	70	8	4	7.0	12.5	48	8	4	4.0	7.0	24	2	2	2.0	3.5
22	154	4	6	*7.0	*12.5	128	8	4	*7.0	*12.5	105	8	6	*6.5	*11.0	91	9	10	*12.0	*14.0	56	10	6	4.0	7.5	70	8	6	6.5	11.5	48	8	4	2.5	5.0	24	2	2	1.5	3.0
23	152	6	4	7.0	11.5	128	6	4	*7.0	*13.0	105	10	4	5.0	12.0	88	16	9	*8.0	*13.0	56	10	3	3.0	6.5	60	8	8	5.0	8.0	48	8	6	4.0	6.5	24	2	0	1.5	3.0

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

USCOMM-NBS-DL

MONTH-HOUR VALUES OF RADIO NOISE

Station Ohira, Japan Lat. 35.6 N Long. 140.5 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	Fom	Du	Dℓ	Vdm	Ldm
00	154	5	4	*6.5	*11.5	126	4	4	*9.5	*14.0	105	4	6	8.0	13.0	82	7	8	7.0	11.0	56	6	2			56	5	8	4.0	6.0	45	5	3	1.5	3.5	24	2	0	1.5	3.0
01	154	4	3	*8.0	*11.0	126	4	4	*10.0	*14.0	104	7	7	6.5	11.5	80	7	8	7.0	13.0	57	3	3	6.5	9.0	56	4	4	5.5	8.5	46	5	7			24	2	0	2.0	3.0
02	154	6	2	*8.0	*13.0	127	3	5	*8.0	*14.0	105	7	6	6.5	12.0	80	10	10			56	6	2	6.5	10.0	56	6	4	5.5	7.0	42	4	4	5.0	7.5	24	3	0	1.0	2.0
03	154	7	4	*9.0	*13.0	127	5	3	*7.0	*12.5	103	8	3	6.0	12.0	78	10	6	6.5	12.0	56	6	4	5.5	8.0	56	4	6	6.5	9.0	40	5	3	3.5	9.5	24	2	0	0.5	1.0
04	152	6	2	*8.5	*13.0	126	4	4	*8.0	*13.5	100	8	4	7.0	12.5	66	6	6	6.5	10.0	54	6	4	8.5	12.0	56	4	4	5.5	8.5	40	3	4	5.0	7.0	24	2	1	1.0	2.0
05	152	2	2	*9.0	*14.0	122	2	6	*9.0	*14.0	86	9	9	8.0	13.0	64	5	2	3.0	6.0	46	4	4			50	4	4	5.5	9.0	40	5	2			24	4	0	2.0	3.0
06	150	4	0	*9.0	*15.5	114	10	6	*11.0	*18.5	82	11	14			66	5	4	3.0	5.5	40	5	3	9.0	11.0	40	6	4	5.0	8.5	35	5	2			24	4	0	1.0	2.5
07	150	3	3	*0.5	*1.5	108	11	6	*11.0	*17.5	87	9	17	10.0	19.0	66	4	6	6.0	8.5	38	2	2	8.0	10.0	37	7	1	8.5	12.0	30	10	2			24	6	0		
08	150	4	4	*10.5	*17.0	110	12	7	*14.0	*20.0	79	16	8	8.5	14.5	65	5	5	4.5	7.5	32	3	3	7.0	8.0	38	3	9	7.5	7.0	28	4	4			24	4	2	2.5	3.0
09	150	4	2	*11.0	*15.0	110	12	6	*12.0	*19.0	*79			15.0	19.5	*66			4.0	6.0	32	4	2	5.0	7.0	36	6	4	7.0	9.5	*28					*24			1.5	2.5
10	*150			*14.0	*20.5	*114			*14.0	*23.0	*80			12.0	19.0	*66			5.0	8.5	*32					*30					*26			1.0	2.5	*24			0.5	2.0
11	150	6	2	*12.0	*16.5	115	8	8	*15.5	*21.0	77	20	6	4.0	7.0	64	6	1	2.0	5.0	34	2	4			32	6	5	5.0	7.5	26	8	2			*22			1.0	1.5
12	150	4	2	13.0	18.5	114	10	4	*14.0	*20.5	76	21	6	8.0	12.0	69	3	4	4.5	7.5	32	3	2			32	6	5			25	8	3			22	5	1	1.0	1.5
13	152	2	4	*11.5	*16.5	116	6	4	*12.0	*18.5	79	14	6	8.5	12.5	67	3	5	7.5	10.0	32	8	2	2.0	3.0	30	10	4			26	8	2			24	4	2	0.5	1.0
14	152	4	4	*11.0	*16.0	118	10	4	*11.5	*17.5	82	10	6	8.5	13.0	68	6	5	3.0	5.5	32	8	4	2.5	5.5	30	14	4	5.5	8.0	28	7	1			24	7	2	2.0	4.0
15	152	4	2	10.5	15.0	118	6	2	9.5	16.0	79	20	5	9.0	12.0	66	7	8	2.5	5.0	32	6	2	5.0	7.0	34	12	6	10.0	14.0	32	7	5			25	7	2	1.0	2.0
16	154	6	2	*9.5	*14.0	119	9	4	8.5	14.0	81	16	7	7.5	11.5	66	14	4	3.5	7.0	36	9	3	6.0	8.0	39	6	9	6.0	9.0	38	4	6			27	3	3	2.0	3.5
17	154	5	2	*8.0	*13.0	116	6	6	8.5	12.0	81	9	7	10.5	17.0	66	4	4	7.0	8.0	38	12	2	2.5	3.5	42	5	6	2.5	4.0	42	4	5			28	2	4	2.5	3.0
18	154	4	2	*7.5	*11.0	112	10	4	10.0	14.0	85	10	7	8.0	13.0	69	10	5	3.0	6.0	42	7	4	5.5	8.5	50	6	5	3.5	5.0	44	4	5	5.0	7.5	28	2	4	0.5	1.0
19	152	6	2	*8.0	*11.0	119	7	5	11.0	15.5	95	11	5	7.0	15.0	76	7	6	7.0	11.5	47	4	3	5.0	8.0	62	8	6			44	5	3	4.0	6.0	26	5	2	3.0	4.0
20	156	4	3	11.0	14.5	126	5	4	*8.5	*12.5	101	9	5	6.0	10.5	80	8	4	6.5	12.0	54	5	6	6.5	10.0	70	6	2	8.5	14.0	44	6	2	3.5	6.0	26	2	2	2.5	4.0
21	156	4	6	*9.0	*13.0	126	4	2	*8.5	*14.0	102	9	4	7.0	12.5	85	3	7	5.0	9.0	56	4	4	5.0	8.0	70	6	6	6.0	8.5	44	5	2			26	2	4	1.5	2.5
22	156	4	5	9.0	13.5	126	6	4	*9.5	*12.5	103	8	2	7.5	12.0	88	6	8	6.0	8.0	58	5	5	6.5	10.0	68	6	2	7.5	13.0	44	5	4			26	0	4	2.5	3.5
23	157	3	5	9.0	13.0	128	2	6	*10.0	*16.0	105	5	6	6.0	8.5	88	7	4	6.0	10.0	58	5	4	3.5	6.0	60	10	4	4.5	9.0	44	4	2			26	0	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-DC

MONTH-HOUR VALUES OF RADIO NOISE

Station Pretoria, S. Africa Lat. 25.8 S Long. 28.3 E Month March 19 61

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	131	8	13			117	10	12			104	9	10			92	10	8			62	8	11			51	4	5			36	5	4			13	0	0		
01	131	6	18			115	11	14			102	11	10			92	8	10			62	5	11			51	2	5			36	2	2			13	0	0		
02	129	7	11			115	10	16			98	12	10			88	8	8			62	5	9			51	2	5			36	2	5			13	0	0		
03	129	6	18			113	10	17			98	10	14			87	5	7			62	5	9			51	2	5			31	5	5			13	0	0		
04	129	6	21			113	8	19			97	5	13			84	6	12			62	8	12			51	2	6			28	5	2			13	0	0		
05	127	8	20			109	10	19			90	11	13			78	8	11			62	8	11			49	5	5			28	6	2			13	0	0		
06	122	9	20			99	16	20			74	20	4			58	15	0			52	10	14			47	4	9			36	2	4			13	2	0		
07	119	14	21			97	19	18			70	26	0			58	14	0			38	10	10			37	11	11			34	4	5			13	2	0		
08	120	11	20			99	19	20			70	24	0			58	10	0			32	6	9			29	18	8			31	5	5			13	2	0		
09	*121					*99					70	26	0			58	12	0			*30					23	15	5			28	10	8			15	5	2		
10	119	14	14			99	16	20			75	17	5			58	10	0			30	5	2			21	11	4			24	12	5			13	6	0		
11	123	8	8			101	13	18			79	14	9			58	17	0			32	5	5			21	10	5			28	5	12			15	4	2		
12	127	8	16			103	17	16			82	22	12			60	31	2			32	14	5			23	9	5			31	6	6			15	5	2		
13	130	9	14			111	14	15			90	17	18			68	25	10			35	24	9			26	14	8			34	6	8			18	4	2		
14	131	10	6			115	12	12			92	21	15			70	30	12			38	26	8			31	18	11			36	6	5			21	2	5		
15	131	10	6			117	14	8			98	15	17			70	28	12			40	28	10			39	15	14			40	5	4			21	4	2		
16	131	10	4			116	11	11			96	12	12			72	22	14			42	30	12			43	8	10			41	5	2			21	5	2		
17	131	10	4			115	10	4			95	13	9			75	19	11			52	14	14			49	5	6			44	2	2			21	5	2		
18	133	8	8			116	11	12			96	14	10			84	13	10			62	9	10			53	4	5			46	2	5			21	2	2		
19	133	6	10			118	7	11			100	8	8			92	8	9			70	6	9			56	4	8			44	5	2			18	5	2		
20	133	6	12			118	9	7			104	8	5			97	7	7			69	5	8			53	5	4			44	5	5			15	5	2		
21	133	6	12			117	8	12			104	8	9			96	6	8			69	4	11			53	4	6			41	8	5			13	2	0		
22	133	6	16			117	8	13			104	8	12			95	7	7			68	4	11			53	2	6			38	10	2			13	0	0		
23	131	10	14			116	7	13			104	8	8			92	10	6			65	5	11			53	2	8			38	0	5			13	0	0		

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Pretoria, S. Africa Lat. 25.8 S Long. 28.3 E Month April 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	Fam	Du	Dℓ	Vdm	Ldm
00	131	6	4			117	11	7			105	8	6			93	9	6			62	5	6			54	8	2			30	6	5			20	0	0		
01	131	6	6			119	9	9			105	8	7			95	6	10			63	4	6			56	4	5			33	2	9			20	0	0		
02	131	6	4			117	11	6			105	10	6			91	10	4			60	8	2			55	4	5			30	8	5			20	0	0		
03	131	8	4			117	8	6			103	8	6			91	6	6			62	8	4			55	4	4			30	5	8			20	1	0		
04	129	12	2			117	10	8			102	11	6			*90					62	9	4			54	8	2			25	10	5			20	4	0		
05	127	10	4			113	11	3			95	15	7			85	8	10			62	8	6			54	5	2			25	9	5			20	0	0		
06	123	13	4			103	18	5			78	26	7			59	12	0			50	15	12			51	5	5			30	8	2			20	2	0		
07	123	9	11			103	16	10			77	25	6			59	18	0			37	15	8			41	10	8			30	5	5			20	2	0		
08	*117					102	7	11			*75					59	9	0			32	16	2			34	8	8			27	5	5			20	4	0		
09	*119					*105					*77					59	22	0			*31					*32					25	5	5			20	5	0		
10	*120					103	12	13			73	24	2			59	14	0			32	11	8			28	12	6			24	6	15			20	1	0		
11	119	12	4			105	14	15			75	27	4			59	7	0			32	10	6			26	14	4			23	10	11			20	2	0		
12	125	15	6			105	17	13			77	23	6			59	35	0			32	21	10			26	18	5			24	5	14			20	2	0		
13	127	11	7			107	21	14			83	30	12			61	29	2			32	26	8			28	15	6			26	9	5			22	5	2		
14	131	10	4			109	20	13			86	28	15			61	36	2			34	21	12			31	20	8			30	8	15			25	2	5		
15	129	12	9			109	21	11			87	29	16			63	35	4			33	29	11			36	15	9			33	6	8			25	2	5		
16	129	12	8			111	15	14			87	24	16			63	20	4			38	22	16			44	9	11			35	5	26			28	2	8		
17	130	8	11			112	13	15			85	22	11			77	14	13			52	8	10			46	8	6			37	4	6			25	4	5		
18	131	9	10			113	12	9			95	15	23			89	8	30			62	8	9			56	5	6			37	2	25			22	2	2		
19	131	11	2			117	11	10			103	8	8			94	8	6			66	6	5			57	6	6			35	8	15			20	6	0		
20	134	9	5			117	11	6			106	7	9			95	11	6			67	5	5			56	6	2			33	11	21			20	1	0		
21	133	6	6			117	11	6			107	6	6			96	6	7			64	6	4			56	4	4			35	6	9			20	0	0		
22	133	4	2			119	8	9			109	6	9			97	6	8			64	5	2			56	5	4			35	4	5			20	0	0		
23	131	8	5			119	10	10			105	8	7			*95					64	5	8			54	6	2			29	5	6			20	0	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 meon power
L_{dm} = median deviation af overage logarithm in db below meon power

USCOMM-NBS-DC

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Pretoria, S. Africa Lat. 25.8 S Long. 28.3 E Month May 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	Fam	Du	Dℓ	Vdm	Ldm
00	139	5	18			123	10	19			110	9	18			99	10	12			68	9	9			56	8	7			29	8	2			22	6	0		
01	138	9	16			121	12	14			108	15	15			97	12	12			*69					57	9	8			*29					22	7	0		
02	*135					119	12	11			105	14	15			93	21	9			*65					58	10	8			30	7	3			22	12	0		
03	*131					116	15	10			100	18	10			*91					*63					55	11	5			30	15	3			22	1	0		
04	*129					113	12	8			102	9	16			91	14	10			*63					55	8	7			27	15	0			22	0	0		
05	129	15	10			113	12	11			98	9	16			89	14	12			*63					53	7	5			29	4	4			22	0	0		
06	125	20	9			106	16	11			84	22	14			61	30	2			61	14	8			52	7	6			33	10	6			22	0	0		
07	121	15	12			101	24	19			82	28	12			*60					*47					47	9	11			38	7	7			22	0	0		
08	*121					101	16	18			*78					*61					47	18	10			39	14	8			*36					22	6	0		
09	*121					*109					*80					*61					*42					*38					*33					*22				
10	119	15	10			102	16	18			80	18	10			*61					39	12	2			33	13	4			33	7	11			22	4	0		
11	*120					102	16	20			*78					*61					*40					31	15	3			31	10	6			22	2	0		
12	*121					100	19	16			*76					*61					*41					31	12	5			27	14	4			22	2	0		
13	*124					99	24	16			*80					*61					*41					31	12	5			29	12	6			22	6	0		
14	*127					106	16	12			86	22	16			67	26	8			*41					34	13	6			36	7	11			26	4	4		
15	127	12	8			111	15	21			88	25	18			67	30	8			*43					41	10	12			37	8	6			26	6	4		
16	125	16	6			113	15	25			95	18	25			73	26	12			*45					47	9	13			41	4	4			28	2	2		
17	129	12	12			116	15	21			95	18	24			87	15	25			58	13	9			55	7	13			41	6	4			28	3	6		
18	131	12	8			119	12	14			105	10	25			94	11	16			68					56	7	10			41	6	2			26	5	4		
19	134	10	10			119	12	10			104	18	18			99	12	15			*71					58	4	9			37	6	12			22	8	0		
20	135	12	11			121	15	12			110	11	20			99	11	11			72	11	11			56	10	7			35	8	6			22	13	0		
21	137					123	11	16			111	8	19			101	10	15			*71					57	6	9			37	8	8			22	11	0		
22	139	8	20			123	12	18			112	11	20			101	11	11			*74					58	9	11			35	10	6			22	9	0		
23	139					123	10	18			114	6	21			*100					*74					57	7	9			31	12	4			22	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

MONTH-HOUR VALUES OF RADIO NOISE

Station Pretoria, S. Africa Lat. 25.8 S Long. 28.3 E Month January 19 61

Frequency (Mc)

Hour (LST)	.051					.113					.246					.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	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	133	13	7			115	11	11			101	14	8			93	13	10			64	9	8			54	12	4			43	9	4			18	13	1		
01	133	12	6			114	13	9			103	12	8			95	9	11			63	7	5			54	4	4			41	6	2			18	9	1		
02	134	7	8			115	10	8			103	9	8			91	14	8			64	8	6			54	8	4			41	4	6			18	4	1		
03	133	7	8			115	6	10			105	6	9			91	13	9			62	8	6			52	10	2			39	3	4			18	3	2		
04	132	9	10			113	8	8			91	12	6			87	13	11			61	7	7			52	8	4			37	4	8			18	3	2		
05	129	11	11			105	18	8			85	26	13			65	29	8			58	8	15			52	4	6			37	6	6			18	6	2		
06	123	14	5			93	27	14			71	36	4			59	26	2			44	14	8			40	12	6			38	3	3			20	1	2		
07	121	17	12			94	25	18			69	36	2			59	26	2			38	19	5			32	16	8			35	4	6			20	5	2		
08	120	16	9			92	26	18			69	32	2			59	20	2			34	10	2			26	20	4			29	8	4			20	4	2		
09	116	16	6			84	30	9			69	31	2			57	28	0			34	4	2			24	17	2			29	8	10			20	4	2		
10	117	18	8			89	29	11			79	27	12			64	25	7			36	11	6			26	12	6			25	10	4			20	6	2		
11	127	12	10			107	17	21			91	24	24			67	31	10			38	18	8			24	18	3			29	8	7			22	2	4		
12	132	11	9			112	15	19			99	19	32			71	33	14			38	29	7			26	23	4			34	5	11			21	5	3		
13	136	9	7			115	11	18			98	22	25			79	25	22			46	22	14			26	26	4			35	7	8			24	4	4		
14	135	11	7			117	14	18			103	16	28			85	20	28			40	28	6			28	24	6			37	6	6			24	4	2		
15	138	9	11			119	11	20			105	15	27			85	20	28			48	20	14			32	22	10			39	4	6			24	5	2		
16	137	10	12			119	12	19			107	15	30			88	19	31			52	16	18			46	8	20			43	4	6			26	4	4		
17	140	10	15			121	11	20			105	18	30			87	22	30			51	19	13			46	14	14			45	4	4			26	7	4		
18	137	14	10			119	14	19			106	15	22			89	20	21			59	13	11			52	6	8			45	2	2			25	5	3		
19	138	12	11			118	15	12			105	15	11			93	13	15			66	6	10			58	6	8			47	3	3			24	2	2		
20	136	11	7			119	10	11			107	10	10			94	9	10			68	6	10			58	6	6			47	2	2			24	2	4		
21	135	10	6			116	12	17			103	12	6			93	12	6			66	7	6			56	8	4			45	6	3			21	4	3		
22	135	6	8			114	12	6			101	17	5			93	12	8			66	7	6			56	8	4			45	4	6			20	6	2		
23	134	11	7			113	13	8			105	10	11			97	8	14			66	7	6			54	12	4			41	8	2			18	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

This sheet is a correction for corresponding sheet appearing in Technical Note No. 18-9.

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.051					.113					.246					.545				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	133	4	8			116	8	10			103	6	12			91	8	10		
01	131	6	8			114	10	8			101	8	12			91	6	11		
02	131	6	8			113	9	8			99	10	10			87	10	8		
03	131	4	9			114	6	10			97	8	6			87	8	8		
04	129	6	8			112	8	8			97	8	9			87	6	12		
05	127	4	8			108	6	8			85	10	8			67	14	10		
06	119	10	7			92	20	8			65	24	0			55	10	0		
07	117	8	8			90	18	12			65	20	0			55	6	0		
08	113	7	6			85	18	9			65	16	0			57	2	2		
09	*114					84	20	6			66	17	1			55	3	0		
10	113	8	8			89	17	9			67	8	2			59	6	2		
11	119	8	12			94	18	6			73	22	8			59	18	4		
12	123	12	6			108	12	16			82	23	15			60	33	5		
13	131	8	9			112	16	16			93	21	26			79	20	24		
14	135	8	10			116	16	14			99	18	24			87	14	32		
15	138	7	13			120	10	16			104	11	30			88	15	31		
16	139	10	12			119	17	12			103	16	24			89	10	30		
17	135	13	8			125	11	19			106	15	29			91	20	32		
18	138	8	9			122	10	15			104	13	17			89	15	12		
19	135	10	8			120	12	10			103	12	8			93	10	8		
20	135	6	8			120	8	10			103	10	10			95	8	8		
21	133	6	6			118	8	8			101	10	10			93	10	6		
22	134	5	8			117	7	9			102	9	9			95	4	10		
23	133	4	8			118	6	12			103	6	12			95	4	10		

Hour (LST)	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
00	61	5	5			55	10	8			38	8	5			17	5	0		
01	59	10	5			52	8	5			38	2	2			17	2	0		
02	61	5	8			52	8	4			38	5	8			17	2	0		
03	61	2	8			52	5	2			36	8	6			17	5	0		
04	59	5	5			52	5	5			36	8	8			17	8	0		
05	59	5	8			50	2	2			36	5	5			17	2	0		
06	46	8	8			45	5	8			36	5	2			19	2	2		
07	36	5	5			32	10	8			34	8	5			19	5	2		
08	33	8	5			25	12	2			27	4	4			*19				
09	*33					22	6	2			24	11	2			19	10	2		
10	36	5	8			22	6	2			26	5	8			19	5	2		
11	33	5	2			22	10	2			26	8	5			19	5	2		
12	37	19	6			25	20	5			31	8	8			22	5	5		
13	40	24	8			30	22	10			34	10	8			25	2	5		
14	43	25	12			35	18	12			36	8	5			25	5	2		
15	55	16	26			45	10	20			40	6	4			26	4	4		
16	56	18	25			46	6	14			41	5	2			27	6	4		
17	56	21	18			50	15	10			44	8	2			27	10	5		
18	61	12	10			55	6	6			46	5	2			27	8	5		
19	65	11	5			56	11	5			46	2	2			25	5	5		
20	66	8	5			55	5	4			44	5	0			25	2	5		
21	63	8	5			55	8	5			42	4	2			21	5	4		
22	63	5	8			55	8	5			41	2	2			19	2	2		
23	63	5	8			52	8	5			41	2	5			19	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

This sheet is a correction for corresponding sheet appearing in Technical Note No. 18-9.

MONTH-HOUR VALUES OF RADIO NOISE

Station Rabat, Morocco Lat. 33.9 N Long. 6.8 W Month March 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	154	5	11			126	8	5			110	9	5			84	13	6		
01	154	5	9			126	12	3			112	8	4			86	12	10		
02	154	5	9			126	10	4			112	8	7			86	7	12		
03	154	4	22			127	6	5			112	6	11			84	8	9		
04	154	5	7			126	6	4			110	9	9			82	8	13		
05	154	5	8			126	5	4			110	8	10			78	9	9		
06	154	4	9			122	8	6			96	14	9			66	14	9		
07	150	4	11			114	4	8			98	5	18			61	14	8		
08	150	4	4			112	16	6			98	10	4			66	8	8		
09	150	4	5			112	13	6			98	4	8			66	8	6		
10	150	4	6			114	10	6			98	8	10			62	11	8		
11	150	3	7			114	9	4			100	4	10			59	17	5		
12	152	2	8			115	8	5			103	6	12			68	15	12		
13	152	2	8			116	11	6			102	10	10			65	14	7		
14	152	4	7			116	19	6			98	16	6			66	29	14		
15	152	6	8			115	20	7			97	24	11			64	22	12		
16	152	6	8			111	28	7			100	24	15			68	36	12		
17	152	6	8			114	22	12			97	25	15			70	29	6		
18	152	4	10			114	16	6			104	11	6			78	12	9		
19	152	4	8			122	5	6			106	4	8			82	10	10		
20	153	3	7			122	6	4			104	8	4			84	8	11		
21	152	4	6			124	2	6			106	6	6			86	7	10		
22	154	4	8			124	6	6			110	4	10			86	8	7		
23	154	2	6			126	5	4			110	5	6			86	9	9		

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	10	8			56	4	2			44	6	6			24	1	2		
01	56	12	7			56	5	2			46	4	4			24	2	3		
02	58	13	6			58	4	4			45	5	7			24	2	3		
03	57	10	8			56	7	2			46	6	8			24	2	3		
04	56	10	2			58	2	4			44	6	10			24	2	2		
05	58	8	6			58	0	4			41	9	11			24	2	2		
06	56	10	4			56	2	4			40	10	10			24	3	2		
07	46	13	11			47	7	5			38	8	14			26	24	3		
08	38	12	8			35	11	5			36	4	8			26	2	4		
09	35	12	9			32	10	2			36	13	8			26	3	3		
10	32	8	4			30	8	6			32	12	4			26	6	4		
11	32	7	5			30	4	10			32	12	6			26	4	2		
12	32	11	5			30	5	7			34	14	8			26	4	2		
13	32	13	4			28	14	8			34	10	7			26	4	2		
14	34	18	5			32	18	12			39	11	9			28	4	4		
15	34	20	8			39	16	12			40	9	11			28	5	4		
16	34	14	4			36	9	8			50	20	12			28	6	4		
17	39	29	9			48	14	10			50	20	10			28	5	5		
18	46	17	10			52	9	6			56	16	12			28	6	5		
19	56	9	8			52	8	2			49	15	6			24	6	2		
20	58	8	9			54	7	3			44	11	3			24	4	2		
21	60	10	9			54	5	2			44	2	6			22	4	3		
22	58	6	5			56	2	2			46	4	8			24	2	3		
23	58	12	5			56	3	2			46	5	4			24	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-DC

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	Fom	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	Fam	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm
00	158	3	2			128	2	2			112	5	5			86	8	4			59	6	4			56	4	2			46	4	2			24	1	2		
01	158	4	2			128	6	4			114	4	6			86	4	4			57	5	3			56	5	3			46	4	2			24	3	2		
02	158	2	2			128	2	2			112	6	6			84	6	4			58	5	6			58	2	4			48	4	3			24	0	2		
03	158	4	2			128	2	4			112	4	8			83	5	3			56	8	4			57	3	4			48	7	6			24	0	2		
04	158	2	2			126	4	4			108	8	8			80	4	6			56	7	5			56	4	4			43	6	8			24	0	2		
05	158	2	2			126	4	6			96	8	6			64	17	4			52	8	3			54	4	3			44	6	8			24	2	2		
06	158	2	2			118	6	4			94	8	6			58	12	4			46	12	6			50	7	10			42	8	6			24	2	2		
07	156	2	4			112	10	6			98	6	10			58	8	6			38	9	4			36	13	7			38	4	4			24	21	2		
08	154	4	2			109	8	3			97	5	5			66	5	10			34	4	2			28	15	4			34	4	4			24	6	2		
09	154	6	2			*112					98	4	4			62	9	6			32	2	4			*27					32	2	4			24	5	2		
10	154	4	2			114	5	5			94	10	8			56	10	4			32	9	2			24	4	2			30	6	4			24	2	2		
11	154	4	0			116	6	6			96	2	7			54	11	3			32	10	4			24	8	3			29	8	3			26	2	2		
12	156	4	2			118	4	6			98	5	5			62	7	6			32	5	3			22	4	2			30	12	2			26	4	2		
13	158	3	2			120	3	4			98	4	6			60	6	6			30	8	1			24	5	4			32	9	4			28	2	2		
14	158	4	2			122	2	4			96	6	6			54	18	4			32	10	2			26	10	6			38	8	7			30	2	4		
15	158	4	0			122	4	6			96	8	10			58	16	6			32	12	2			30	14	7			40	6	4			30	2	3		
16	158	6	2			120	8	4			96	12	10			60	30	6			36	7	5			33	12	6			44	4	4			30	4	2		
17	158	4	2			118	9	6			93	12	9			62	21	6			38	8	4			42	10	8			46	7	4			30	5	2		
18	158	4	2			118	11	6			96	10	12			72	11	5			44	11	5			50	7	6			48	9	4			30	2	4		
19	156	4	0			124	8	4			104	7	6			82	9	6			56	6	6			54	6	3			48	4	4			26	4	2		
20	158	2	2			126	4	2			110	5	5			84	6	4			58	6	4			55	6	3			46	4	2			24	4	2		
21	158	4	2			126	2	3			108	8	2			86	4	3			60	3	4			56	3	4			46	4	3			24	2	2		
22	158	3	2			126	3	2			110	8	6			86	4	4			58	4	4			55	5	3			44	4	1			24	0	2		
23	158	2	2			128	3	4			110	4	3			86	5	2			58	4	2			56	2	4			46	4	4			24	2	2		

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

USCOMM-NBS-DL

MONTH-HOUR VALUES OF RADIO NOISE

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

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	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	156	4	2			130	4	4			114	3	5			84	6	4			62	4	6			58	3	4			48	2	3			26	2	2		
01	156	4	2			128	6	4			114	6	7			84	8	4			60	5	4			57	4	3			48	2	2			26	2	2		
02	156	2	2			130	4	4			112	9	5			84	10	7			60	5	4			58	2	5			49	6	4			26	0	2		
03	156	4	2			129	6	4			112	6	7			84	7	6			60	6	7			56	4	4			47	6	3			26	1	2		
04	156	4	2			128	6	4			102	8	6			78	9	9			59	7	7			56	3	5			46	5	4			26	1	2		
05	156	4	2			124	6	4			90	13	4			64	11	6			56	9	6			54	4	4			44	4	2			26	3	2		
06	154	4	4			118	4	6			90	13	9			62	16	4			44	8	6			44	5	4			42	3	4			26	2	2		
07	154	4	6			112	8	6			94	14	8			66	13	11			39	14	7			31	16	4			38	5	3			26	4	2		
08	152	4	2			114	14	10			94	9	7			66	17	6			35	12	5			28	13	6			34	7	4			26	6	2		
09	153	4	5			114	14	6			94	18	4			66	22	6			35	9	4			28	8	6			34	6	5			26	2	4		
10	154	6	6			118	8	6			92	22	11			62	28	6			34	14	4			26	19	6			32	9	5			24	8	2		
11	154	7	4			120	18	14			92	29	9			70	22	16			34	16	4			24	20	6			30	14	4			26	5	2		
12	155	10	3			124	16	6			100	21	13			70	31	9			35	14	3			26	22	5			34	8	7			26	6	2		
13	156	6	4			124	14	6			98	22	10			67	30	10			36	20	6			26	19	6			36	6	7			28	10	3		
14	156	7	3			126	12	6			100	19	16			72	28	17			36	20	6			28	19	8			40	5	10			28	14	2		
15	158	5	4			130	10	9			100	21	12			76	28	17			40	22	10			36	14	11			42	6	5			30	8	3		
16	158	6	4			128	14	8			99	22	13			76	28	18			38	29	6			40	15	14			46	7	6			30	7	2		
17	158	4	4			128	14	12			100	25	14			72	34	12			40	28	6			46	12	12			48	6	6			30	7	2		
18	156	5	3			120	18	6			93	21	11			72	17	10			44	20	6			50	8	6			49	6	4			30	5	2		
19	154	5	2			124	10	8			100	11	8			80	9	6			54	9	4			56	4	4			50	6	4			30	3	5		
20	156	2	4			128	6	4			108	9	5			84	7	5			62	5	6			58	3	4			48	6	3			26	4	2		
21	156	2	4			130	4	4			113	3	5			86	4	5			62	5	2			58	2	4			48	2	4			26	2	2		
22	156	4	4			132	2	6			112	6	6			86	4	4			62	6	4			58	3	6			48	2	4			25	3	1		
23	156	2	2			130	4	4			110	4	4			86	4	4			62	5	4			58	2	4			46	4	1			26	2	2		

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

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station São José, Brazil Lat. 23.3 S Long. 45.8 W Month March 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	120	8	14	11.5	17.0	104	8	17	±6.5	*11.0	88	8	16	7.0	12.0	83	6	14	±7.0	*12.0	65	8	12	7.0	13.5	65	4	8	*8.5	*13.0	53	6	4	6.5	11.5	36	4	8	*4.0	*7.0
01	122	4	16	12.0	15.5	102	8	14	4.5	8.5	86	6	14	7.5	13.5	81	4	14	±5.0	*7.5	67	6	16	5.0	11.5	59	8	8	5.5	13.0	53	6	8	*7.0	12.0	38	2	10	*4.0	*8.0
02	120	6	16	10.5	17.0	100	10	14	10.0	16.0	84	8	14	±10.0	*16.0	79	7	12	8.5	13.5	65	8	14	7.0	12.0	61	6	12	7.0	13.0	53	6	6	6.5	12.0	38	2	8	*2.0	*5.5
03	120	6	14	*11.0	*19.5	100	12	14	10.0	16.0	84	8	16	8.0	14.0	79	6	14	±8.0	*13.5	63	6	14	7.0	12.5	59	6	10	6.0	11.0	51	4	10	5.5	10.5	36	4	8	*4.0	*8.0
04	116	8	12	13.5	16.5	97	11	15	±10.0	*16.0	79	9	17	±9.0	*15.5	78	7	11	8.5	14.0	65	4	16	6.0	11.0	61	4	12	7.5	13.5	49	4	8	7.0	10.0	36	4	8	4.0	7.0
05	116	8	10	±8.5	*14.0	96	10	14	±4.0	*11.0	77	11	15	±9.5	*15.5	76	7	7	±6.5	*10.5	65	6	14	8.0	14.0	61	4	11	6.0	11.0	49	6	8	*4.5	*7.0	37	3	9	±5.0	*7.0
06	112	8	12	10.0	15.0	86	10	10	±9.0	*14.0	62	14	6	±7.5	*11.0	77	6	5	±7.5	*10.0	59	10	15	*7.0	*13.5	59	4	11	*7.5	*13.5	49	7	7	*4.0	*8.5	36	4	8	*4.0	*7.0
07	108	8	14	*11.0	*17.0	82	8	6	8.0	12.0	60	9	2	±8.0	*11.5	80	5	16	±6.0	*10.0	45	12	10	*8.5	*12.5	53	6	14	*8.0	*14.0	49	6	11	*6.5	*12.0	36	4	8	*6.5	*8.0
08	107	7	15	*11.0	*17.0	82	6	6	±8.0	*12.0	60	10	2	±7.5	*10.0	77	4	4	±6.0	*10.5	37	10	7	*6.5	*10.0	47	4	15	*7.0	*12.0	47	4	8	*7.0	*12.0	36	3	8	±5.5	*9.0
09	106	6	14	11.5	18.5	82	4	8	±8.5	*13.0						79	4	8	±8.5	*12.5	35	4	8	5.0	10.5	41	6	14	*6.5	*11.0	43	7	7	*6.0	*10.5	36	2	8	*2.0	*6.0
10	104	8	8	*12.0	*19.0	81	7	7	±10.0	*12.5	62	12	2	±8.5	*12.5						33	4	6	3.5	7.5	39	4	8	7.0	11.0	41	6	4	*5.0	*11.0	36	2	8	*3.0	*5.0
11	105	9	11	12.0	19.0	82	8	8	±9.0	*12.5	66	8	10	±10.0	*15.0	75	8	6	±7.5	*15.0	33	16	10	*6.0	*11.0	35	8	12	*6.5	*11.5	41	6	10	4.5	10.0	36	2	8	*5.0	*8.5
12	110	6	18	12.5	19.0	84	10	10	8.5	12.5	65	18	9	±5.5	*8.0	77	6	5	±6.5	*10.0	33	20	6	5.0	8.0	35	10	2	8.0	12.0	43	4	10	7.0	12.0	36	2	8	*2.0	*5.5
13	112	6	12	7.0	10.0	88	12	12	±5.5	9.0	68	23	10	±5.5	*9.5	83	14	8	±11.0	*15.0	36	21	7	*7.0	*11.5	43	11	12	10.0	16.0	45	5	12	6.5	12.0	36	4	10	±3.0	*7.0
14	116	18	10	±5.5	*9.5	90	26	10	±8.0	*13.0	75	26	17	±9.0	*14.0	83	17	8	±4.0	*9.0	39	36	9	5.0	10.5	41	31	7	*6.0	*11.0	47	12	12	4.5	8.5	38	6	10	3.0	6.5
15	118	18	8	±5.5	±9.0	98	18	20	±4.5	±9.5	76	28	16	±5.5	*10.0	82	17	7	±5.0	*9.0	47	32	18	*6.0	*11.0	47	21	10	*7.0	*12.0	51	12	12	*6.5	*12.0	38	8	8	*3.5	*8.5
16	120	14	13	±6.0	*11.0	96	20	19	±5.5	±9.0	83	19	23	±6.0	*11.5	85	15	10	±5.0	*9.5	49	30	18	7.5	11.5	54	15	11	*7.5	*13.0	55	8	10	*8.5	*11.5	38	10	8	±3.5	*8.5
17	121	13	9	±9.0	±13.0	98	20	19	±5.0	±7.5	86	16	28	±10.0	*16.5	83	14	10	±7.0	*11.5	57	25	18	9.0	14.0	57	16	8	*6.0	*12.0	55	12	6	3.5	7.0	38	6	6	2.5	5.0
18	122	8	12	7.0	11.5	100	13	18	±9.0	*13.0	84	15	16	±9.0	*14.5	83	16	6	±7.0	*13.0	63	14	14	*6.0	*12.0	63	8	10	*4.0	*9.5	55	8	6	5.5	10.0	38	10	6	4.0	6.5
19	122	6	10	±7.5	*12.0	104	12	15	±6.5	*14.0	86	16	10	±6.0	*11.5	83	10	6	±8.0	*12.0	69	10	8	4.5	9.5	66	5	7	*5.0	*11.0	55	4	6	*6.5	*11.0	38	10	8	*7.5	*4.0
20	122	10	10	±8.0	*12.0	102	10	10	±9.5	*13.5	88	8	10	6.5	*11.0	86	7	9	±4.5	*7.0	69	12	8	6.0	11.0	65	6	10	*3.0	*8.5	55	4	6	3.5	9.0	38	4	8	*4.0	*6.5
21	120	8	10	±7.5	*12.0	104	8	14	±10.0	*16.0	88	10	14	7.0	10.5	86	5	9	±8.5	*12.5	69	6	8	*6.0	*11.5	65	2	12	9.0	14.0	53	4	4	*6.0	*10.5	37	5	9	*3.0	*7.0
22	122	6	14	±10.5	*15.0	104	8	16	±8.0	*13.0	90	6	18	±6.0	*10.0	85	4	8	±9.5	*14.5	69	4	14	6.5	11.5	65	4	10	*7.5	*13.5	55	2	6	5.5	11.5	36	4	6	*6.0	*11.0
23	122	4	14	±6.5	*10.0	104	8	16	±8.0	*13.0	88	6	14	±8.5	*15.0	83	8	4	±6.5	*11.0	67	4	12	6.0	11.0	65	4	10	*6.0	*11.0	55	2	8	*8.0	*13.5	38	2	10	3.5	6.0

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

USCOMM-NBS-DL

MONTH-HOUR VALUES OF RADIO NOISE

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

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	115	8	6	13.5	21.5*	93	16	20	14.0	20.0	79	12	12	11.5	18.5	76	10	20	11.0	13.5	67	5	6	4.5	7.0	63	6	4	2.5*	6.0*	56	4	4	4.5	5.5	37	2	4	4.0	5.0
01	115	8	8	15.0	20.0	95	14	22	14.5	17.5	81	11	16	12.0	15.0	76	10	18	12.5	16.0	66	5	6	4.0*	5.0*	60	4	7	6.0	7.5	56	1	7	5.0*	5.0*	37	2	4	3.0	4.0
02	114	9	7	18.0	22.0	91	16	18	15.0	18.5	79	13	12	12.5	17.0	75	11	19	11.0*	17.5*	66	5	8	5.0	7.0	61	5	10	4.5*	7.0*	54	6	7	4.0*	5.0*	37	4	4	2.5*	4.5*
03	115	8	8	16.0*	20.5*	95	14	22	14.0	17.0	77	14	10	14.0	18.0	74	10	18	12.0	18.0	66	6	8	4.5*	5.0*	61	6	9	3.0*	4.5*	54	6	7	5.0	6.0	35	4	2	4.5	5.0
04	113	10	6	14.0*	20.0*	95	12	24	11.5*	15.5*	75	12	8	13.0	18.0	72	8	14	11.0	14.5*	66	2	10	5.0*	6.0*	61	5	8	3.0	4.5	47	8	4	3.0*	4.0*	35	2	2		
05	113	8	6	15.5*	20.5*	91	12	18	9.0*	13.0*	73	12	6	13.5	17.0	74	8	18	8.0	12.0	65	5	9	4.5	7.5	59	13	7	5.5*	7.5*	43	13	4	4.0*	4.0*	35	2	2	5.0	5.0
06	111	4	12	13.0*	20.5*	83	8	10	11.0*	15.0*	65	4	6	9.0	13.0	78	4	22	8.5*	12.0*	57	11	7	6.0*	7.5*	61	6	2	6.5*	7.0*	51	8	4	4.0*	4.5*	35	4	2	1.5	2.0
07	109	4	18	19.0*	24.0*	79	8	6	8.5*	11.5*	61	6	4	10.0*	14.0*	76	6	22	9.5*	13.0	48	5	8	6.5*	7.0*	57	4	2	3.0	5.5*	53	3	8	3.5*	7.0*	35	2	4	1.0	1.0
08	105	8	16	17.5*	24.0*	83	6	12	13.0*	17.0*	61	6	2	4.0*	9.5*	74	6	22	7.0*	10.0*	39	7	3	2.5*	6.0*	49	2	3	5.5*	7.5*	49	7	5	4.0*	6.0*	35	2	4		
09	103	8	12	15.0*	20.0*	79	8	8	8.5*	12.0*	64	5	7	5.0*	8.0*	72	6	20	6.0*	9.5*	36	9	4	4.0*	5.0*	45	5	4	3.0*	6.5*	46	6	5	3.0*	5.5*	35	2	4	4.0	5.0
10	102	11	11	15.0*	21.5*	79	4	8	5.0*	7.0*	63	6	6	6.5*	9.5*	73	7	19	7.5*	11.0*	34	10	3	3.0*	4.0*	41	5	5	5.0*	5.0*	43	8	5	2.5*	5.0*	35	2	4		
11	103	10	10	19.0*	23.0*	77	6	4	8.0*	11.5*	62	6	5	5.0*	8.0*	72	6	18	6.0*	10.0*	32	8	3	2.5*	3.0*	38	6	4			43	8	6	3.5*	6.5*	33	6	2	3.5*	5.0*
12	101	10	6	16.5*	21.0*	77	4	4	8.0*	10.0*	62	6	5	7.0*	10.0*	72	6	18	6.5*	11.0*	34	7	5	5.0*	8.0*	39	14	3	4.0*	8.5*	43	10	4	4.0*	8.0*	33	6	2		
13	107	5	10	14.0*	21.5*	77	10	4	6.0*	9.0*	62	7	3	6.5*	10.0*	76	7	24	4.0*	7.0*	34	10	4	6.0*	9.5*	39	17	3			44	8	3	5.0*	7.0*	35	5	4	2.0*	3.5*
14	109	4	10	12.5*	18.0*	81	13	8	8.0*	12.0*	65	4	6	7.5*	12.0*	78	8	26	6.0*	9.0*	43	18	10	6.5*	12.0*	42	14	4	4.0*	7.0*	46	5	4	4.0*	6.5*	35	4	4		
15	109	9	8	13.5*	18.5*	81	12	8	8.5*	12.0*	65	18	6	6.0*	10.0*	78	6	26	4.0*	7.0*	38	25	6			47	9	4	2.0*	4.0*	49	6	2	4.0*	6.0*	35	6	2	4.0*	4.0*
16	111	6	8	13.0	18.5*	79	14	6	5.5*	9.0*	65	16	4	7.0*	10.0*	78	6	26	7.5*	11.5*	46	9	6	5.5*	9.0*	53	6	5	4.0*	6.0*	51	6	3	3.5*	6.5*	37	6	4	3.0*	4.0*
17	111	4	8	14.0*	19.0*	81	16	8	11.0*	15.0*	67	12	6	5.0*	7.5*	76	6	24	8.0*	11.0*	53	7	5	3.0*	5.5*	59	4	3	2.5*	6.0*	53	5	5	3.5*	5.0*	37	2	6	1.5*	2.5*
18	111	4	6	13.0*	19.0*	89	10	18	8.0*	14.0*	75	4	10	8.0*	12.5*	80	4	28	10.0*	12.5*	64	7	6	3.0*	7.0*	63	3	4	1.5*	2.5*	54	4	3	1.5*	2.5*	37	2	6	2.0*	4.0*
19	113	6	4	13.5*	20.0*	93	8	20	12.0*	16.5*	79	9	12	10.0*	16.0*	78	6	24	7.5*	10.5*	66	8	7	2.5*	5.0*	65	1	6			55	3	2	3.5*	5.5*	35	4	2	3.0*	3.0*
20	113	8	4	13.0	20.0*	93	10	20	10.0*	16.0*	79	11	12	11.0*	15.0*	80	4	24	9.0*	12.5*	66	6	6	1.5*	5.0*	65	4	4	3.5*	5.0*	57	1	5	2.5*	5.0*	37	7	4	1.0*	1.0*
21	113	8	4	16.0	21.0*	95	9	22	11.5*	16.5*	79	8	12	13.0*	17.5*	80	6	26	9.0*	13.0*	67	5	8	4.0*	6.0*	65	2	4	2.0*	3.5*	56	2	4	4.5*	4.5*	37	2	4		
22	113	8	2	15.0	21.5*	93	14	20	10.0*	15.0*	81	8	14	13.5*	17.5*	82	6	26	10.0*	14.0*	66	4	6	3.5*	4.5*	65	4	5	3.5*	5.0*	56	3	4	4.5*	5.0*	37	2	4	3.0*	3.5*
23	115	6	6	15.0	21.5*	93	14	22	13.5*	19.0*	81	8	16	11.0*	16.0*	82	4	26	9.0*	14.0*	67	3	6	5.5*	7.0*	65	4	2	7.5*	9.0*	55	4	4	4.0*	6.0*	37	2	4	4.0*	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

MONTH-HOUR VALUES OF RADIO NOISE

Station São José, Brazil Lat. 23.3 S Long. 45.8 W Month May 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	Fam	Du	Dℓ	Vdm	Ldm
00	110	27	10	14.0	20.0	90	32	10	12.0	15.0	80	28	16	17.5	21.5	72	22	10	11.0	16.0	62	5	11	5.0	9.0	61	4	16	14.0	17.0	51	6	8	12.0	15.0	33	2	4	6.0	7.5
01	*106			16.0	21.0	89	29	11	12.5	14.0	79	25	13	14.0	18.5	70	26	8	11.5	16.5	57	11	10	13.0	17.0	53	8	8	11.0	15.0	47	8	8	8.0	10.0	31	4	2	4.0	4.0
02	110	28	12	14.5	20.5	92	30	14	11.0	16.0	74	28	10	11.5	17.5	68	26	6	14.5	19.0	57	10	12	*13.0	*17.0	51	12	6	9.0	13.5	44	13	7	6.0	8.0	31	4	2	4.0	6.0
03	*109			12.5	15.0	91	28	11	13.5	18.5	76	22	14	12.0	17.5	69	24	9	13.5	17.0	55	14	6	12.5	16.0	54	11	7	14.0	19.0	43	12	6	7.0	9.5	31	4	2	2.0	4.0
04	111	28	12	15.0	20.0	90	32	14	13.0	19.0	77	30	17	9.0	15.0	70	28	12	10.0	15.5	56	13	7	14.0	18.5	51	10	4	8.5	13.5	40	13	5	15.0	18.0	31	2	2	2.0	4.5
05	112	27	14	10.0	17.0	90	33	15	14.0	20.0	76	27	12	10.0	15.0	72	18	13	17.5	20.0	59	8	10	13.5	17.0	51	11	4	10.0	19.0	*38			6.5	8.5	31	4	2	3.0	5.0
06	107	28	12	13.5	18.5	80	38	8	10.5	16.0	68	28	12	9.0	15.0	76	11	28	13.0	17.0	55	11	12	*9.0	*13.0	62	3	8	7.5	11.5	43	9	6	5.0	8.5	31	4	2	5.0	7.0
07	100	29	10	13.0	18.0	78	34	8	10.5	14.5	*68			9.0	18.0	74	24	4	4.0	7.0	45	10	8	*4.0	*8.0	55	5	8	9.0	14.0	47	8	8	10.0	19.0	31	5	2	5.0	7.0
08	98	34	8	15.5	20.0	*78			8.5	15.0	72	24	16	13.0	19.0	74	25	7	10.0	11.5	41	9	8	*6.0	*9.5	47	5	6	13.0	16.5	45	7	6	9.0	13.5	*31			3.5	5.0
09	99	24	7	11.0	18.0	77	24	5	5.0	9.0	68	30	10	11.0	17.0	74	26	8	17.5	20.0	33	14	2	*8.0	*11.0	43	6	4	5.0	10.0	*45			13.0	15.0	31	4	4	10.0	7.5
10	96	28	8	11.0	15.0	76	28	5	5.5	10.0	*67			7.0	12.5	74	27	5	18.0	21.0	33	6	4	*6.5	*9.0	39	6	4	5.5	10.0	42	7	5	4.5	8.0	*31				
11	*98			6.0	12.5	76	34	5	5.0	8.0	66	28	8	6.5	12.0	72	27	5	16.5	20.5	31	6	4	*2.0	*6.0	35	6	4	5.5	9.0	39	10	4	7.0	11.0	31	2	2	4.5	7.0
12	100	31	12	10.0	14.0	76	38	4	5.0	8.0	66	34	8	7.5	12.5	72	25	6	8.0	12.0	29	9	2	*3.0	*6.0	*36			7.0	12.5	43	8	6	5.5	9.0	*31			2.0	4.0
13	100	34	8	7.5	12.5	76	26	5	5.5	9.0	*65					74	14	10	1.0	4.0	31	13	3	*2.0	*5.5	39	7	5	8.0	12.0	41	12	4	4.0	6.5	*32			1.0	4.0
14	100	31	11	8.0	13.0	76	29	6	8.0	11.5	*68			7.0	13.0	*75					*31			*5.0	*7.5	*41			7.0	12.5	43	10	4	3.5	8.0	*31			4.5	8.0
15	102	29	11	7.0	12.0	76	39	6	8.5	12.0	68	30	12	5.5	9.5	*76					33	14	4	*6.0	*7.5	*45					47	6	6	5.5	9.5	*31			1.5	4.0
16	100	33	8	8.0	13.0	76	25	5	4.5	13.0	68	28	10	5.0	9.0	*74			6.0	11.5	37	6	6	*4.5	*8.5	51	8	6	7.0	11.0	51	10	6	4.5	7.5	*33			1.5	3.5
17	100	30	9	6.5	11.0	78	31	8	11.0	16.0	66	33	8	3.5	8.0	74	23	7	9.0	14.0	46	19	8	*4.5	*8.0	55	8	5	3.0	6.5	51	8	4	4.0	7.5	*33				
18	*111			11.0	15.0	84	30	7	5.5	11.0	72	28	10	7.0	11.0	76	21	6	4.0	7.0	55	10	5	*4.0	*8.0	*61					51	8	4	7.0	11.0	*33			2.0	4.5
19	110	27	13	14.5	18.0	87	32	11	11.5	17.0	76	29	11	11.0	19.5	76	19	6	14.0	16.5	61	10	10	*8.5	*12.5	*63			7.0	11.0	53	8	6	4.5	8.5	34	4	3	4.0	6.0
20	*113			18.5	24.5	90	30	12	13.5	17.5	75	31	11	6.5	11.5	78	22	6	15.0	17.5	61	11	6	*5.0	*9.0	65	7	6	11.5	15.0	53	8	6	8.0	12.0	*35				
21	110	32	10	13.0	18.5	88	32	12	10.0	16.5	76	27	12	6.0	13.0	78	25	6	5.0	12.5	61	8	8	*9.0	*12.5	*63			10.0	13.0	53	4	6	6.0	10.0	33	3	2	4.0	6.0
22	108	32	10	15.5	17.5	92	29	14	10.5	17.5	76	30	12	10.0	17.5	78	27	5	6.5	11.0	61	9	10	*9.5	*13.5	*65			10.5	14.0	51	6	6	11.5	15.0	*33			6.5	8.0
23	112	30	14	18.0	22.5	94	30	14	11.0	17.5	77	29	13	14.0	19.0	78	24	14	8.5	12.5	58	12	6	*13.5	*17.0	63	4	4	12.0	19.0	*51					33	2	4	6.5	8.5

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Singapore, Malaya Lat. 1.3 N Long. 103.8 E Month March 19 61

Frequency (Mc)

Hour (LST)	.013					.051					.160					.545					2.5					5					10					20				
	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm
00	160	2	2	9.5	15.0	139	6	4	10.5	16.0	120	5	5	10.0	18.0	93	2	6	8.0	15.5	66	4	5	6.5	12.5	61	2	4	6.0	9.0	49	9	4	5.0	8.5	24	5	0	3.0	5.0
01	160	5	4	10.0	14.0	139	2	4	10.5	18.0	120	6	4	10.0	18.0	95	5	7	8.0	16.0	68	2	4	6.5	12.5	61	2	3	5.5	9.0	49	7	6	5.0	8.0	24	2	2	2.0	4.0
02	160	4	4	10.5	15.5	139	4	6	12.0	19.0	120	6	4	10.5	18.5	95	4	5	8.5	17.5	68	4	3	7.0	13.5	61	2	3	5.0	10.0	49	10	4	*6.0	*9.0	24	1	2	2.0	3.5
03	160	4	4	11.0	16.5	139	4	6	12.0	20.0	120	4	5	11.0	19.5	95	5	5	10.0	21.5	70	1	4	7.0	14.0	63	2	4	5.0	9.0	45	9	2	5.5	8.5	24	0	2	2.0	3.5
04	160	6	5	10.0	15.0	138	7	11	13.0	21.0	120	5	6	10.5	19.0	93	6	4	11.5	19.0	68	2	2	7.0	14.0	61	2	5	5.5	10.0	43	2	7	4.0	6.0	22	2	0	2.0	3.5
05	162	5	6	11.0	16.5	137	6	10	12.0	20.0	120	5	6	11.0	20.0	91	4	10	10.5	21.0	68	2	6	7.0	14.5	57	4	6	6.0	10.0	39	4	4	4.0	6.5	24	0	2	2.0	4.0
06	160	4	4	10.5	15.5	133	6	12	12.5	20.0	112	10	7	15.0	25.0	78	17	9	14.0	22.5	60	3	7	*10.0	*15.0	55	3	2	5.5	9.0	43	4	4	*5.0	*8.0	24	4	0	2.5	4.5
07	156	6	7	13.0	18.5	*128			*13.0	*21.0	110	5	20	15.0	24.0	71	14	8	*15.0	*19.0	50	9	6	9.0	15.0	49	4	4	9.0	14.0	43	2	6	7.0	11.5	24	4	1	*3.0	*5.0
08	158	4	10	13.0	19.0	130	5	13	*12.5	*19.0	106	6	17	*14.5	*25.5	68	16	5	*16.0	*22.0	44	9	11	*10.0	*15.0	41	4	9	9.5	15.5	39	3	10	9.0	14.0	24	4	2	*3.0	*5.0
09	*159			*14.0	*20.0	*127			*16.0	*25.0	*102			*15.0	*24.5	*67			*12.0	*17.5	37	15	9			35	8	5	*8.0	*12.5	35	4	8	*11.0	*16.5	22	4	2	*2.0	*4.5
10	*152			*14.0	*21.0	*130			*17.0	*24.0	*102			*14.0	*24.5	*71			*12.5	*17.0	38	9	9	*10.0	*15.0	35	3	9	*8.5	*12.5	35	0	8	*11.0	*17.0	22	8	2	*2.0	*4.5
11	*156			*13.5	*19.5	*129			*17.5	*25.0	110	12	10	*16.0	*25.0	*89			*16.0	*22.0	*40					33	12	8	*9.0	*16.0	33	4	7	*11.0	*16.5	24	8	4	*5.0	*7.0
12	*159			*14.0	*20.5	*135			*15.0	*24.0	116	12	14	17.0	24.5	93	11	17	16.0	27.5	*50			*14.0	*20.5	35	15	10	*9.5	*17.0	35	3	9	*9.0	*15.0	26	15	4	*5.0	*9.5
13	162	5	8	13.5	21.0	141	12	12	*14.5	*23.5	120	14	12	14.0	22.5	99	15	18	*13.0	*26.0	46	19	16			44	16	15	*8.0	*13.0	39	14	8	*9.0	*15.0	26	20	0	4.5	7.5
14	166	4	4	13.0	20.0	141	10	6	*13.5	*21.5	126	6	10	13.0	23.0	103	11	14	13.0	22.0	56	16	15	*10.5	*17.0	48	15	15	*9.0	*15.0	41	8	4	7.0	11.5	34	12	8	3.5	5.5
15	166	6	4	*10.5	*18.0	143	10	5	11.0	17.5	120	13	5	12.0	20.0	98	11	9	11.0	20.0	55	20	12	*11.0	*19.0	47	16	6	*8.0	*14.0	43	7	4	5.5	8.5	30	8	4	3.5	6.0
16	166	4	4	11.5	17.5	143	7	8	11.5	18.5	120	10	7	12.0	20.0	95	12	8	12.5	21.5	52	17	6	*8.5	*15.0	49	8	6	7.0	12.0	45	5	2	4.5	7.0	28	11	0	4.0	7.0
17	166	2	6	11.0	17.5	143	4	6	*12.0	*20.0	118	8	5	12.5	19.5	95	8	6	11.0	18.5	57	7	7	6.0	10.0	53	3	4	5.5	8.5	47	2	2	3.5	6.5	28	6	2	3.5	6.0
18	164	2	4	10.5	16.5	143	2	8	11.5	19.5	122	4	6	10.0	16.0	97	8	6	8.0	14.5	62	3	5	4.0	9.0	61	4	5	3.5	6.0	49	2	2	3.5	6.0	28	4	4	*3.0	*5.5
19	162	4	4	12.0	17.0	143	3	8	11.5	19.0	124	4	6	10.0	16.5	97	4	5	8.5	15.0	66	2	4	4.0	7.5	63	6	4	3.0	4.5	49	2	2	3.5	6.0	26	7	4	4.0	6.0
20	162	4	6	11.0	16.5	141	5	5	11.5	19.0	122	4	6	8.0	14.5	95	4	6	8.5	15.0	66	1	4	4.5	8.0	65	6	3	2.0	5.0	49	3	1	4.0	7.0	28	4	4	3.0	5.0
21	161	5	5	11.0	15.0	139	6	6	11.0	18.0	122	5	6	10.0	18.0	93	4	2	7.5	14.0	64	5	2	5.5	9.5	65	6	4	2.0	4.5	51	0	2	4.0	6.5	28	4	2	3.0	5.0
22	160	5	6	9.5	14.0	139	4	6	10.5	17.0	122	4	7	9.5	16.0	93	4	6	8.0	15.5	65	4	3	5.0	10.0	59	4	2	5.0	9.5	51	2	4	4.0	7.0	28	4	2	3.0	5.5
23	162	4	4	10.0	14.0	139	5	7	10.5	16.0	122	4	6	10.5	17.5	93	4	4	8.5	16.0	64	5	4	6.0	11.5	61	2	4	5.5	8.5	51	4	4	4.0	7.0	28	4	2	3.0	5.0

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

USCOMM-NBS-DC

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Singapore, Malaya Lat. 1.3 N Long. 103.8 E Month April 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	164	*2	6	9.0	13.5	143	2	6	10.0	14.5	123	4	4	8.5	13.0	97	2	4	7.0	11.0	62	6	4	7.0	12.0	59	3	3	5.0	9.0	51	4	2	4.5	7.0	30	2	4	3.5	5.5
01	164	2	4	10.0	13.5	143	4	4	9.0	14.0	123	4	4	9.0	14.0	97	2	6	8.0	13.0	64	4	4	6.5	11.0	61	2	2	6.0	10.0	49	5	3	4.5	7.5	26	5	2	3.0	4.5
02	164	4	4	10.0	15.0	143	4	4	10.0	15.0	123	4	6	10.5	14.0	97	4	7	8.0	12.5	66	4	4	7.0	12.0	61	3	2	5.5	9.0	49	4	4	5.0	7.0	24	4	2	2.5	3.0
03	164	2	4	10.0	15.5	143	4	4	10.0	15.0	121	6	6	8.5	14.0	95	10	6	9.5	15.0	68	4	6	7.0	13.0	63	3	4	4.5	8.0	49	3	4	4.5	7.5	24	4	2	2.0	3.0
04	164	2	4	10.0	15.0	143	8	4	11.0	17.0	121	8	6	9.0	14.5	95	10	8	7.0	12.5	68	5	4	7.0	12.5	62	5	4	5.0	8.0	46	4	5	3.5	6.0	24	4	2	2.5	3.5
05	164	4	4	10.5	16.0	143	4	6	11.5	16.0	119	10	10	11.0	18.0	91	8	4	*13.5	*21.0	68	6	7	8.5	14.0	59	8	3	6.0	10.0	45	5	9	5.0	7.5	24	5	2	2.5	3.5
06	164	2	4	9.0	15.0	137	6	8	12.5	20.0	113	10	12	16.0	25.5	81	18	12	*14.0	*23.5	62	4	12	*8.0	*14.0	57	4	6	6.0	10.0	47	4	5	5.0	8.0	26	4	2	3.5	5.0
07	162	4	6	10.0	16.0	135	5	7	*14.5	*22.0	111	12	10	*16.0	*25.5	76	14	7	*16.0	*20.0	52	7	10			49	4	5	8.5	13.5	45	3	4	8.0	11.0	26	3	2	3.5	5.0
08	162	2	18	12.0	18.5	133	5	7	*14.0	*21.0	109	13	12	*14.0	*23.0	67	26	6	*13.5	*21.0	39	15	5	*7.5	*10.5	43	6	6	*9.0	*12.5	41	5	5	*9.0	*12.0	26	4	2	3.5	5.5
09	*160			*13.0	*18.0	*133			*16.0	*24.5	107	14	8	*17.0	*26.0	70	24	9	*12.5	*19.5	36	22	8	*9.0	*12.5	38	10	7	*11.0	*17.0	39	5	8	*9.0	*13.5	24	7	2	*3.0	*5.0
10	160	4	4	12.5	19.0	134	9	7	*15.0	*22.0	105	18	8	14.5	22.5	*72			*14.0	*19.0	35	21	9	*10.0	*12.5	37	13	11	*10.5	*16.0	35	6	9	*9.0	*14.0	24	4	2	*3.5	*6.0
11	160	3	4	12.5	20.0	133	9	6	14.0	22.5	110	17	13	*15.0	*23.5	*85			*16.5	*28.0	30	25	5	*11.5	*16.5	30	20	5	*7.0	*10.5	36	11	6	*8.0	*11.0	24	7	2	*4.0	*5.5
12	160	9	4	13.5	20.0	135	13	5	13.0	20.0	111	18	12	*13.5	*23.0	89	25	19	13.5	24.0	34	27	9	*10.0	*14.5	33	19	6	*9.0	*12.5	37	8	6	*9.0	*15.0	25	6	3	5.5	7.0
13	162	8	4	12.0	18.0	141	14	10	13.0	20.5	120	15	15	14.0	22.5	89	26	8	13.0	24.5	48	22	19			39	19	10	*12.5	*18.5	41	20	6	10.0	15.0	30	13	6	*3.0	*5.0
14	166	6	4	11.5	17.0	145	8	8	12.0	19.5	126	14	13	12.5	23.0	100	12	11	12.0	23.5	58	22	20	*9.0	*17.0	52	15	15	*10.0	*16.0	43	25	4	7.5	14.0	32	8	6	4.5	7.0
15	169	3	5	11.0	18.5	147	10	8	12.5	20.5	127	7	12	12.5	23.0	103	11	16	13.0	24.0	60	19	17	*9.5	*17.0	51	16	8	9.0	14.5	45	10	4	6.5	11.0	30	11	2	3.5	5.5
16	168	5	4	11.0	17.0	145	8	4	12.0	20.5	123	8	8	13.5	24.0	99	10	8	*14.0	*25.0	60	18	12	9.0	15.0	53	11	5	7.0	12.0	48	5	3	4.5	8.5	31	5	3	3.5	5.5
17	166	2	2	10.0	14.5	143	6	6	12.0	19.5	121	7	8	12.0	20.5	97	12	5	11.0	20.0	58	10	4	*6.0	*10.0	55	3	4	6.0	9.5	49	2	2	3.5	6.5	30	7	2	3.5	6.0
18	166	2	4	9.0	14.0	143	4	5	12.0	20.0	123	5	5	9.5	16.5	99	6	5	7.0	13.5	64	4	4	6.0	9.0	61	2	4	3.5	6.5	49	6	1	4.0	6.5	30	4	2	3.5	6.0
19	164	4	3	9.5	14.0	145	3	5	10.5	17.0	125	3	6	8.5	14.5	99	8	5	7.5	13.5	68	3	4	4.0	7.5	61	4	2	2.5	4.5	51	3	2	3.0	5.5	30	2	4	4.0	6.0
20	164	4	4	10.0	15.0	143	4	5	9.0	14.0	123	6	5	8.5	14.0	97	8	3	8.0	13.0	66	4	4	5.0	8.0	63	4	4	2.5	4.0	51	4	2	3.5	5.0	30	4	2	3.5	5.5
21	162	4	2	9.0	12.0	141	8	4	10.0	16.0	121	7	2	8.5	14.5	97	8	4	6.5	11.5	64	4	2	4.5	7.5	63	2	4	2.0	4.0	51	4	2	3.5	6.0	31	3	3	3.0	5.0
22	162	7	4	8.5	12.0	143	4	6	9.0	14.5	121	7	2	9.0	15.0	97	4	5	8.0	13.0	64	4	5	5.0	8.5	59	4	2	4.0	8.0	51	4	2	3.5	5.5	31	3	2	3.0	5.0
23	162	4	2	8.5	13.0	143	5	4	8.5	13.0	121	6	2	9.0	15.0	97	5	5	8.0	14.0	63	5	5	5.0	7.5	59	3	3	4.0	7.0	51	4	4	4.0	7.0	31	3	2	4.0	6.0

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

USCOMM-NBS-DC

MONTH-HOUR VALUES OF RADIO NOISE

Station Singapore, Malaya Lat. 1.3 N Long. 103.8 E Month May 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	164	4	2	9.0	13.0	143	2	4	9.5	15.0	121	5	3	8.0	14.0	96	8	4	7.0	13.0
01	164	4	4	8.5	13.0	143	4	4	9.0	15.0	121	6	4	7.5	13.5	95	8	6	6.5	11.5
02	164	2	4	8.5	13.0	143	2	4	9.0	14.5	121	5	4	8.5	14.5	95	5	5	8.0	15.0
03	164	4	4	10.0	15.0	143	2	6	9.0	14.5	121	4	6	9.5	15.5	97	4	8	7.0	13.0
04	164	4	4	11.5	17.0	141	6	4	10.0	15.0	121	5	9	10.0	16.0	93	6	19	9.0	19.0
05	164	4	4	10.0	15.5	141	6	4	10.0	16.0	119	7	6	11.5	21.0	87	19	11	*15.0	*25.0
06	164	2	6	10.0	16.0	137	12	14	11.5	19.0	113	18	12	15.5	25.5	81	17	7	*14.0	*25.0
07	162	6	3	11.0	17.0	*134			*12.0	*18.0	113	11	8	*14.5	*25.0	77	27	16	*14.5	*26.5
08	162	4	5	12.5	19.5	135	10	8	13.5	22.0	111	14	10	*15.5	*25.0	73	30	16	*15.0	*22.0
09	*162			*14.0	*21.0	*133			*13.0	*21.5	109	14	8	*13.0	*23.0	81	21	12		
10	162	6	5	12.5	18.5	*133			*13.0	*20.0	110	13	14	*14.0	*24.0	80	29	19	*13.5	*25.0
11	162	5	4	12.5	20.0	135	10	6	11.5	19.0	112	14	12	*15.0	*23.0	88	18	20	*12.5	*23.5
12	162	6	2	11.5	19.0	137	13	6	12.0	18.0	114	17	11	*14.5	*23.0	87	22	18	*13.0	*21.0
13	164	6	3	11.0	18.0	139	11	8	11.0	20.0	119	14	14	11.5	20.5	96	14	19	*15.0	*24.5
14	166	6	4	11.0	16.0	141	10	8	11.0	17.0	120	12	13	13.0	23.0	99	12	20	14.0	24.0
15	166	6	2	10.0	16.0	143	12	8	11.0	17.0	121	12	15	14.0	23.0	97	17	18	12.5	21.5
16	166	6	3	8.0	13.0	143	10	10	11.0	18.0	121	12	14	14.0	22.5	97	15	18	*11.0	*22.0
17	166	6	3	8.0	12.0	143	6	10	11.5	17.0	119	8	10	11.5	20.0	97	9	12	11.5	16.5
18	164	5	4	8.0	13.0	141	10	6	11.0	17.5	121	7	6	8.5	16.0	97	7	5	6.5	12.0
19	164	4	4	8.5	12.5	141	6	4	10.0	15.0	121	6	4	7.5	12.0	98	7	9	7.0	13.0
20	162	5	2	8.5	13.0	141	4	4	8.5	15.0	121	4	4	8.0	15.0	95	7	2	7.0	13.0
21	162	5	2	9.0	13.5	141	7	4	9.0	15.0	121	6	4	8.0	15.0	97	6	7	7.0	12.0
22	164	4	4	8.5	13.0	141	6	4	9.0	13.5	121	6	4	8.5	14.0	97	6	6	8.0	12.5
23	164	4	3	9.0	13.0	141	6	4	9.5	14.0	121	8	4	9.0	14.0	95	8	4	8.0	14.0

Hour (LST)	2.5 Fam	Du	Dℓ	Vdm	Ldm	5 Fam	Du	Dℓ	Vdm	Ldm	10 Fam	Du	Dℓ	Vdm	Ldm	20 Fam	Du	Dℓ	Vdm	Ldm
00	62	7	2	6.0	11.0	59	2	3	5.5	8.5	49	4	4	5.0	8.0	26	4	2	2.0	4.0
01	64	7	4	6.0	12.0	59	4	2	5.0	8.5	47	4	2	5.0	8.0	24	4	2	3.5	5.0
02	66	5	5	7.0	12.0	59	4	1	5.0	8.5	45	6	2	5.0	8.5	24	4	2	2.5	3.5
03	67	4	5	6.0	13.0	59	5	3	5.5	9.0	45	2	6	5.0	8.0	24	5	2	2.5	4.0
04	68	4	6	6.5	12.5	59	4	4	6.0	10.5	43	7	7	5.5	8.0	23	5	1	3.0	4.0
05	66	6	4	8.5	13.5	57	2	4	5.0	9.0	41	4	4	5.5	8.0	24	6	2	2.5	3.5
06	60	8	7	7.0	12.0	55	5	5	7.0	10.5	45	6	4	6.0	9.0	26	2	4	3.0	5.0
07	52	9	7	*9.5	*15.0	49	5	5	8.5	14.5	43	4	4	7.0	10.5	26	4	2	4.0	5.5
08	43	17	11	*11.0	*17.5	43	9	7	*10.0	*17.0	39	6	3	10.0	15.0	24	5	2	5.5	8.5
09	38	10	11	*9.0	*15.5	37	16	5	*9.0	12.0	35	7	3	*10.0	*15.0	23	8	2	3.5	5.0
10	36	22	8	*8.0	*13.0	37	15	9	*10.5	14.0	33	11	9	*10.0	*15.5	22	10	2	*3.0	*5.0
11	40	21	14	*10.0	*13.0	35	17	8	*10.0	15.0	35	8	6	*10.0	*14.0	22	9	2	3.5	5.0
12	38	11	12	*11.5	*19.5	33	13	6	*10.0	*14.0	35	16	4	10.5	15.0	23	13	3	4.0	5.0
13	35	17	7	*10.0	*12.5	35	24	6	10.0	15.0	37	14	4	*8.0	*12.0	24	13	1	4.5	6.0
14	46	28	16	11.0	18.5	41	20	8	*10.0	*15.0	41	11	4	7.5	12.0	26	14	2	3.0	5.0
15	55	20	22	*9.0	*16.0	50	17	11	7.0	12.5	43	10	2	7.0	11.0	30	11	4	4.5	6.0
16	59	18	17	9.0	14.5	53	15	6	7.0	13.0	47	8	4	5.0	8.0	32	8	4	4.0	5.5
17	62	14	12	9.0	13.5	55	8	4	5.5	9.0	49	4	3	5.5	8.0	30	10	2	4.0	5.0
18	64	7	6	5.5	10.0	59	6	4	6.0	10.0	49	6	1	4.5	6.0	30	6	2	3.5	6.0
19	66	6	4	5.0	8.5	61	4	3	5.0	6.0	51	3	2	3.0	4.5	30	4	2	3.0	5.0
20	66	4	4	5.5	9.0	63	2	4	3.0	5.5	51	4	2	3.5	6.5	30	4	3	3.5	5.0
21	66	4	5	6.0	9.0	61	4	2	4.0	5.0	51	4	2	3.0	6.0	30	4	2	3.0	4.5
22	64	6	3	5.0	9.0	59	4	4	3.5	6.0	51	3	3	3.5	6.0	28	3	2	3.0	4.5
23	62	6	3	6.0	10.0	59	3	4	5.0	8.0	51	2	3	4.0	6.5	28	2	4	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 Balboa, Canal Zone Lat. 9.0 N Long. 79.5 W Season Spring (Mar. Apr. May) 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	159	5	5	10.5	16.0	160	4	5	7.5	16.0	158	5	6	11.5	17.0	160	5	4	10.5	15.5	160	4	5	9.5	15.0	160	4	6	10.0	15.0
.051	139	6	6	9.0	14.0	138	6	8	11.0	16.5	132	8	13	12.0	18.0	134	11	9	10.0	15.5	134	8	8	10.0	15.5	137	6	7	8.5	13.0
.160	119	6	7	7.5	12.5	115	8	13	11.0	17.0	110	10	21	12.0	19.0	110	16	15	11.0	17.5	112	9	12	9.5	16.0	118	6	8	7.0	12.0
.495	99	6	7	6.5	11.0	93	8	11	8.0	13.5	87	11	11	8.0	13.5	88	16	13	9.0	15.0	92	9	9	8.0	13.0	97	7	6	6.0	10.5
2.5	68	6	5	5.0	9.0	64	6	7	7.0	12.0	43	12	8	5.0	8.0	43	17	10	4.0	7.0	54	10	8	5.5	8.5	66	5	6	4.5	7.5
5	58	4	4	4.5	7.5	54	4	5	5.5	9.0	32	11	8	7.5	12.5	30	17	9	6.0	8.5	51	4	5	4.5	7.0	58	3	3	4.5	6.5
10	42	5	5	4.0	7.0	39	5	5	4.0	6.5	30	8	6	7.5	11.0	32	9	7	6.5	10.0	43	3	4	4.5	7.0	45	3	4	4.5	7.5
20	20	4	1	1.5	2.5	20	4	2	1.5	2.5	21	5	3	2.5	4.5	24	6	3	3.5	5.5	25	3	4	3.5	5.0	20	4	3	2.5	4.0

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

USCOMM-NBS-BL

RN-14

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1 N Long. 105.1 W Season Spring (May Apr. May) 19 61

Frequency (Mc)	TIME BLOCKS (LST) 0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
* .013	154	6	5	10.5	15.5	152	4	4	10.5	16.0	152	5	6	11.0	16.5	154	6	7	10.5	15.5	154	10	7	10.5	16.0	154	9	7	11.0	16.5
* .051	126	12	10	7.0	12.5	119	8	11	8.0	13.5	118	10	13	8.0	13.5	122	20	19	8.0	13.5	125	18	14	8.0	14.0	128	13	11	7.0	13.0
.160	112	8	16	6.5	12.0	94	13	19	7.0	11.0	92	15	19	7.0	11.0	101	14	19	8.0	12.5	106	15	18	7.0	12.0	112	8	16	6.5	11.5
* .495	88	8	15	6.0	10.0	66	11	7	4.5	6.0	63	15	5	5.0	8.0	67	18	4	4.5	6.5	78	19	11	5.5	8.5	90	8	14	5.5	9.5
* 2.5	58	11	3	5.5	10.0	51	8	6	4.5	7.5	45	7	5	2.5	4.0	47	9	4	2.5	4.5	53	7	6	4.0	7.0	59	8	6	5.5	9.5
* 5	55	8	2	5.0	9.5	47	7	3	4.5	7.0	37	10	5	3.0	5.0	38	9	4	3.0	5.0	52	5	4	5.0	9.0	56	8	2	5.0	9.0
* 10	38	8	6	3.5	6.0	39	6	4	4.0	7.0	34	7	6	3.5	5.5	37	10	6	6.0	9.5	48	4	5	5.5	9.0	46	6	9	5.0	8.0
* 20	24	3	2	2.0	3.5	24	3	3	2.5	4.0	25	5	4	3.0	4.5	27	4	3	3.0	5.0	24	5	2	3.0	5.0	23	4	2	2.0	4.0

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

* No May Data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Byrd Station, Ant. Lat. 80.0 S Long. 120.0 W Season Fall (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}
.051	115	2	3			114	2	2			114	2	3			114	3	3			114	3	2			115	3	2		
.113	84	5	4			86	4	4			83	5	5			82	5	4			84	5	4			85	3	4		
.246	66	5	2			66	4	2			66	6	2			67	4	4			67	2	2			67	3	2		
.545	55	4	4			55	4	4			55	3	5			55	4	4			56	3	4			55	4	4		
2.5	25	8	4			26	6	4			25	7	3			26	6	3			27	6	4			27	6	4		
5	30	10	10			26	10	10			23	7	8			28	5	6			34	7	11			33	8	9		
10	23	5	6			21	5	8			21	6	7			22	5	3			25	4	4			24	6	6		
20	18	2	1			18	2	2			18	3	1			19	2	1			18	2	1			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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Cook, Australia Lat. 30.6 S Long. 130.4 E Season Fall (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	158	3	3	9.0	13.5	157	4	4	9.5	15.5	153	5	4	12.0	18.0	154	4	4	12.5	19.5	157	5	4	8.5	14.0	158	4	3	9.0	13.5
.05-1	131	6	4	9.5	15.5	127	6	6	10.0	15.5	114	13	9	13.5	21.0	120	6	9	12.5	20.0	124	10	9	9.5	16.0	131	7	6	9.5	16.0
.160	106	8	6	9.0	15.0	94	13	8	10.5	17.0	77	20	12	13.0	17.5	86	13	12	9.0	14.0	97	12	13	9.0	16.0	107	9	8	9.0	15.5
.545	87	8	8	8.0	14.5	67	17	6	7.5	14.0	48	23	6	6.0	9.5	56	16	8	5.5	8.5	75	14	9	6.0	11.5	90	8	9	7.5	13.5
2.5	58	9	8	5.5	10.5	51	10	7	6.5	10.5	21	17	3	5.5	7.5	24	13	5	5.0	8.0	45	13	10	6.0	11.5	61	8	9	6.0	11.0
5	52	5	4	5.0	9.0	49	6	4	4.5	8.0	26	13	7	5.0	8.0	29	11	10	4.5	7.5	46	7	8	5.5	9.0	55	5	5	6.0	9.0
10	43	4	4	4.5	7.0	38	5	3	4.0	6.0	30	10	5	3.0	6.5	32	7	7	4.5	7.5	42	4	3	4.0	7.5	43	3	3	4.0	6.0
20	23	1	1	2.5	4.0	24	1	1	3.0	4.5	23	3	2	3.0	5.0	23	6	2	3.5	6.0	25	3	2	3.0	5.0	22	2	0	2.5	4.5

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

USCOMM-NBS-BL

RN-14

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Enkoping, Sweden Lat. 59.5 N Long. 17.3 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	152	3	3	9.0	15.0	148	3	3	10.5	16.5	146	4	3	10.5	16.5	151	3	4	9.0	13.5	150	5	4	7.5	11.5	151	3	3	7.5	12.5
.051	117	5	4	8.5	14.0	105	7	6	10.5	16.0	103	9	8	12.5	18.0	112	8	10	11.5	17.0	114	10	8	10.0	15.5	119	5	6	8.0	12.5
.160	102	7	7	6.0	10.5	86	8	9	4.0	8.0	87	11	6	6.5	10.0	90	10	8	6.5	11.5	90	11	7	6.0	10.0	98	7	5	6.0	10.0
.495	70	15	7	4.0	6.0	56	10	4	2.5	4.5	53	6	4	2.5	4.5	55	11	4	3.5	6.0	67	12	5	3.0	5.5	76	12	7	3.0	5.5
2.5	54	6	4	7.0	10.5	38	6	5	6.0	8.5	30	4	4	4.0	5.5	30	5	3	4.5	6.5	44	7	5	4.0	6.5	56	6	5	6.0	9.5
5	53	5	5	5.0	8.5	43	4	4	5.5	8.0	32	6	5	6.0	8.5	34	8	6	6.5	10.5	49	8	5	5.0	9.0	56	4	5	5.0	8.5
10	39	5	5	4.0	6.5	40	5	4	5.5	8.0	39	5	4	5.5	8.5	43	5	5	5.0	9.0	48	5	5	5.0	8.5	44	5	5	4.5	7.5
20	18	1	1	1.0	2.5	18	2	1	1.5	3.0	19	3	2	2.0	3.5	20	3	3	2.0	4.0	20	3	2	2.5	4.0	18	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 Front Royal, Virginia Lat. 38.8 N Long. 78.2 W 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}
.135	110	9	11			90	12	8			94	11	7			96	15	7			100	13	10			110	10	10		
.500	88	9	11			69	10	7			70	7	3			61	13	4			66	20	6			85	12	11		
2.5	73	7	11			57	9	8			33	4	3			31	10	4			50	16	8			72	9	10		
5	66	6	9			53	8	8			32	7	3			29	9	3			52	11	7			67	7	10		
10	43	6	4			43	6	3			40	6	3			43	6	4			51	5	6			49	6	5		
20	24	1	1			25	1	1			24	2	1			24	3	2			26	4	2			23	2	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 Spring (Mar. Apr. May) 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	152	2	2	8.5	14.5	152	3	2	10.0	16.5	149	3	3	10.5	16.5	147	4	2	11.5	18.0	146	4	2	11.5	18.5	150	3	2	8.0	14.0
.051	128	5	4	10.0	16.5	125	5	4	10.5	17.0	106	13	5	10.5	17.0	107	13	6	12.5	19.5	105	11	6	9.5	15.5	120	10	3	10.0	17.0
.160	102	7	5	9.5	16.0	98	8	6	8.5	15.0	73	12	4	8.0	14.5	71	14	4	8.0	14.5	76	12	5	6.5	12.5	95	8	6	9.5	16.0
.495	78	10	5	10.0	16.5	68	13	7	7.0	12.0	52	15	4	3.0	5.0	51	17	4	3.5	6.0	58	14	6	4.5	7.0	75	8	6	8.0	13.5
2.5	54	8	4	6.5	10.5	51	7	6	6.0	9.5	34	6	4	3.0	5.0	32	6	4	2.5	4.5	37	6	5	3.0	4.5	52	8	5	6.5	10.5
5	62	6	6	6.0	11.5	47	7	5	6.0	10.5	24	7	4	4.5	7.0	22	5	5	4.0	7.0	32	8	5	5.0	8.5	47	8	3	4.5	8.0
10	39	4	4	2.5	4.5	36	5	4	2.5	4.5	21	8	4	4.0	6.5	15	10	4	5.5	9.0	34	5	4	4.0	6.5	39	3	4	3.0	5.5
20	25	1	1	1.0	2.5	25	1	1	1.5	3.0	22	2	1	2.0	4.0	22	2	2	2.5	4.5	25	2	2	2.5	4.5	25	1	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 Ohira, Japan Lat. 35.6 N Long. 140.5 E Season Spring (Mar. Apr. May) 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	153	5	3	8.0	12.5	151	4	7	8.0	13.0	149	4	3	11.0	16.5	150	4	3	11.5	17.0	152	4	2	8.0	13.0	154	4	4	8.5	13.5
.051	128	4	4	9.0	14.0	119	7	6	9.5	15.5	110	12	6	12.5	18.5	114	7	5	10.5	17.0	116	8	5	10.0	14.5	127	4	4	8.5	14.5
.160	105	6	5	7.0	13.0	89	11	8	8.5	14.5	80	17	8	8.5	13.0	79	14	7	8.0	12.5	88	11	8	9.0	14.5	103	8	5	7.0	11.0
.495	81	9	7	6.0	10.5	68	7	5	6.0	9.5	65	8	4	5.0	8.0	66	7	4	5.5	8.0	74	9	5	6.5	10.0	89	8	9	6.0	10.0
2.5	54	8	5	6.0	9.0	44	6	4	6.5	9.5	33	6	3	5.0	7.0	32	6	3	4.5	7.0	41	7	4	5.0	8.0	54	8	6	4.5	7.0
5	54	6	4	5.0	8.5	47	7	5	5.5	9.0	31	6	5	5.5	7.0	30	9	4	6.0	9.0	47	6	6	5.0	8.0	66	9	7	6.5	11.5
10	44	6	5	3.0	6.0	37	6	3	4.0	7.0	30	6	5	2.5	4.5	31	7	4	4.0	7.0	43	7	4	4.0	6.0	45	6	4	3.0	5.5
20	25	2	1	1.5	2.5	25	3	1	1.5	3.0	24	8	2	2.0	3.5	25	7	2	2.0	3.5	27	5	3	2.5	4.0	25	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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Pretoria, S. Africa Lat. 25.8 S Long. 28.3 E Season Fall (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}
.051	132	8	12			125	14	15			120	14	14			128	14	10			131	12	9			134	9	12		
.113	117	12	14			107	16	15			102	16	20			108	20	16			115	14	14			119	11	14		
.246	104	12	12			87	20	11			76	26	5			85	28	18			96	18	18			108	9	14		
.545	92	11	10			73	16	6			59	16	0			64	36	8			83	18	16			97	10	10		
2.5	63	6	8			55	11	10			35	11	6			37	24	9			57	14	11			68	6	8		
5	54	6	6			49	8	8			28	14	6			31	15	10			52	6	10			55	6	6		
10	32	6	5			30	8	5			29	8	9			32	9	8			40	5	10			36	8	8		
20	18	2	0			18	1	0			19	4	1			22	4	2			23	5	4			18	5	0		

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

USCOMM-NBS-BL

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Pretoria, S. Africa Lat. 25.8 S Long. 28.3 E Season Summer (Dec. Jan. Feb.) 19 60-61

	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	134	9	8			125	11	9			119	14	8			135	9	9			139	10	11			136	8	8		
.113	117	10	10			103	16	12			94	24	11			118	12	16			123	12	15			120	9	11		
.246	103	11	10			79	22	7			74	28	8			102	16	25			108	14	21			106	11	10		
.545	92	11	10			65	20	5			59	24	4			82	20	25			92	16	23			95	9	9		
2.5	64	7	7			51	9	9			35	9	5			46	20	13			59	14	13			68	6	7		
5	54	8	5			40	8	7			24	12	3			32	19	9			51	8	10			56	7	5		
10	39	6	4			36	5	6			27	7	5			35	6	7			41	4	3			43	4	3		
20	18	6	1			19	4	2			20	5	2			24	5	3			26	6	4			21	6	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

This sheet is a correction for corresponding sheet appearing in Technical Note No. 18-9.

USCOMM-NBS-BL

RN-14

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Rabat, Morocco Lat. 33.9 N Long. 6.8 W 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	4	6			155	4	5			152	4	4			155	5	4			155	5	4			156	3	4		
.051	136	6	4			121	6	5			114	11	7			120	10	6			120	14	7			127	4	4		
.160	112	6	6			99	10	9			96	10	7			99	14	10			99	15	11			109	6	5		
.495	84	8	6			68	11	7			63	14	7			65	20	10			73	20	9			86	6	6		
2.5	58	7	6			50	10	6			34	10	5			34	14	5			44	16	6			60	6	5		
5	57	4	3			50	6	5			28	11	5			29	13	7			46	10	7			56	4	3		
10	47	5	4			42	6	7			32	8	5			36	9	7			48	10	6			46	4	4		
20	25	1	2			25	6	2			25	4	3			28	5	3			28	5	3			24	3	2		

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

USCOMM-NBS-BL

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station São José, Brazil Lat. 23.3 S Long. 45.8 W Season Fall (Mar. Apr. May) 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}
.051	115	11	11	13.5	19.0	111	14	12	13.0	18.0	102	14	11	13.0	19.0	107	17	10	10.0	15.0	113	14	9	10.0	15.0	115	13	8	13.0	18.0
.113	95	18	16	11.5	15.5	87	18	12	10.0	14.5	79	12	7	8.0	11.5	82	20	8	7.0	10.5	89	19	12	8.0	13.0	96	17	16	10.5	16.0
.246	81	15	14	11.5	16.5	70	15	10	9.5	15.0	65	14	7	7.5	12.0	67	19	9	6.5	11.0	76	19	12	7.5	12.5	82	15	13	9.5	14.5
.545	75	14	14	10.5	15.0	75	11	14	9.0	13.0	74	13	11	10.0	14.0	77	12	14	5.5	9.5	79	13	14	8.0	9.0	81	12	14	8.5	12.5
2.5	63	7	10	7.5	11.0	57	8	10	7.5	11.5	35	9	5	4.5	7.5	36	19	7	5.0	9.0	55	13	9	5.0	9.0	65	7	8	6.5	10.0
5	59	7	9	7.5	11.5	58	6	8	7.0	11.0	42	5	12	6.0	10.0	41	15	6	6.5	11.0	59	7	6	5.0	9.0	65	4	7	7.0	11.0
10	51	6	7	6.5	9.0	46	8	6	6.0	9.0	44	7	6	5.5	9.5	45	8	7	5.0	9.0	53	7	5	4.5	7.0	54	4	5	6.0	9.5
20	35	3	5	3.5	5.5	34	3	4	4.0	5.5	34	3	5	4.5	6.5	34	5	6	2.5	5.5	36	6	5	3.0	4.5	36	3	6	4.0	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-BL

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Singapore, Malaya Lat. 1.3 N Long. 103.8 E Season Spring (Mar. Apr. May) 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	2	4	9.5	14.5	162	4	5	10.5	16.0	160	4	7	13.0	19.5	164	6	4	12.0	18.5	165	4	4	10.0	15.0	162	5	4	9.5	13.5
.051	142	3	5	10.0	16.0	137	7	8	12.0	19.0	132	8	8	14.5	22.0	141	11	8	12.5	20.0	143	6	7	11.5	18.5	141	5	5	9.5	15.5
.160	121	5	5	9.5	15.5	116	9	9	13.0	21.5	108	14	11	15.0	24.0	120	13	12	13.5	22.5	122	7	7	11.0	18.0	122	6	4	9.0	15.0
.545	96	5	6	8.0	14.5	84	13	10	13.0	21.0	76	23	12	14.0	20.0	96	16	16	13.0	23.5	97	9	8	9.5	17.0	96	6	4	8.0	13.5
2.5	66	4	4	6.5	12.5	62	5	6	8.0	14.0	38	17	9	9.5	14.0	48	20	11	10.5	17.0	62	9	7	6.5	11.0	64	4	4	5.0	9.0
5	60	3	3	5.5	9.0	56	4	4	6.5	11.0	37	11	7	9.5	14.0	42	17	10	9.5	15.0	57	6	4	5.0	9.5	61	4	3	3.5	6.0
10	48	6	6	5.0	8.0	44	4	5	5.5	8.5	36	6	7	9.5	14.5	40	12	5	8.0	13.0	49	4	2	4.0	6.5	51	3	3	3.5	6.5
20	25	3	2	2.5	4.0	24	4	2	3.0	4.5	23	6	2	3.5	5.5	28	12	4	4.0	6.0	29	6	3	3.5	6.0	29	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

THE NATIONAL BUREAU OF STANDARDS

The work of the 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.

Metrology. Photometry and Colorimetry. Refractometry. Photographic Research. Length. Engineering Metrology. Mass and Scales. 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. Enameled 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. Digital Circuitry. Digital Systems. Analog Systems. Applications Engineering.

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.

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. 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