PB 151377-7

NBS

Technical Note No. 18-7

Boulder Laboratories

QUARTERLY RADIO NOISE DATA- JUNE, JULY, AUGUST 1960

BY W.Q. CRICHLOW, R.D. 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 work take the form of either actual equipment and devices or published papers. These papers appear 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.

Information on the Bureau's publications can be found in NBS Circular 460, Publications of the National Bureau of Standards ($1.25) and its Supplement ($1.50), available from the Superintendent of Documents, Government Printing Office, Washington 25, D.C.

NATIONAL BUREAU OF STANDARDS

Technical Note

No. 18-7

November 4, 1960

QUARTERLY RADIO NOISE DATA
JUNE, JULY, AUGUST 1960

by

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

DISTRIBUTED BY

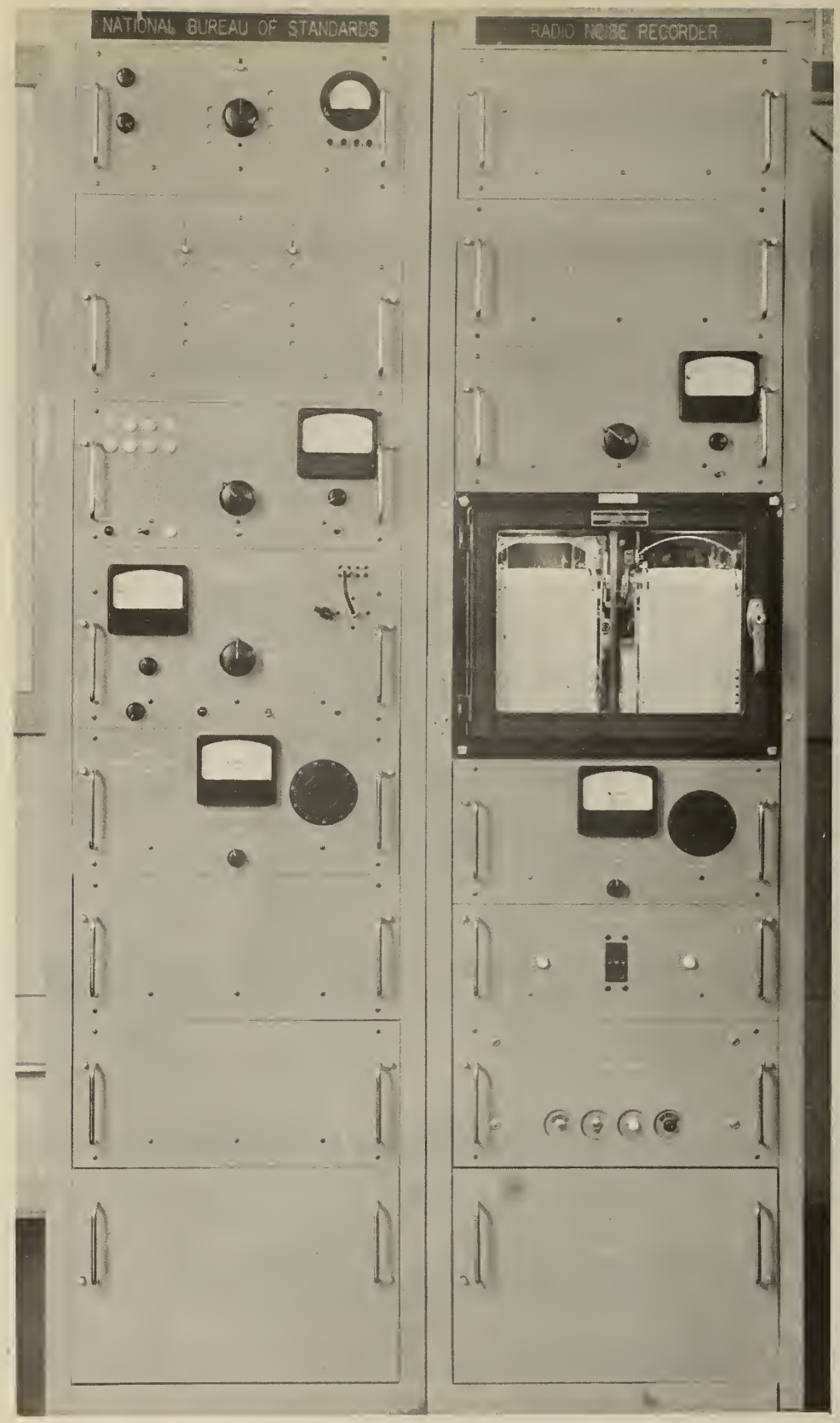
UNITED STATES DEPARTMENT OF COMMERCE

OFFICE OF TECHNICAL SERVICES

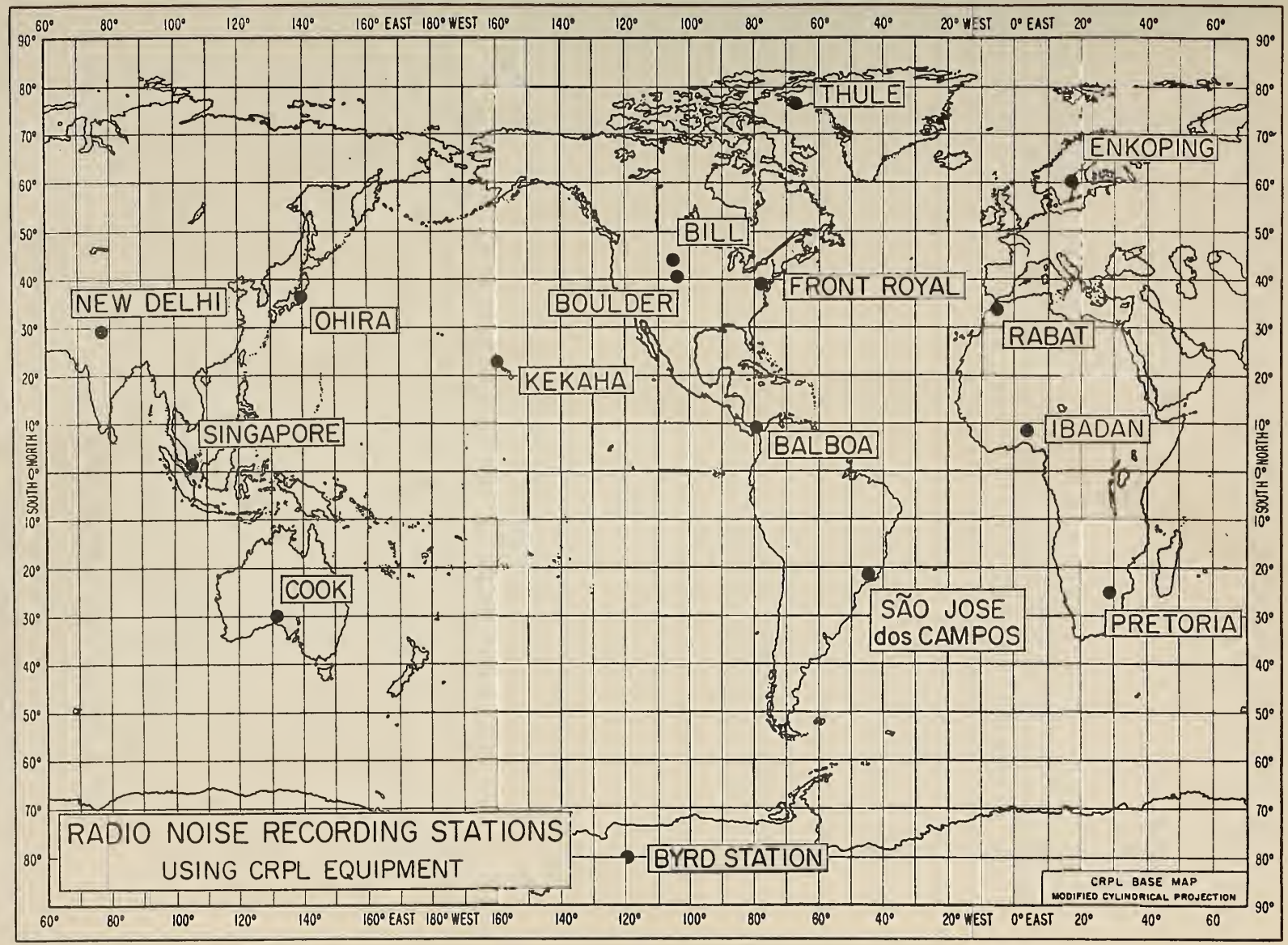
WASHINGTON 25, D. C.

Price $ 1.75

Radio Noise Recording Station



ARN-2 Atmospheric Radio Noise Recorder


THULE
ENKOPING
BILL
FRONT ROYAL
NEW DELHI
OHIRA
BOULDER
RABAT
KEKAHA
SINGAPORE
BALBOA
IBADAN
COOK
SÃO JOSE
dos CAMPOS
PRETORIA
BYRD STATION
RADIO NOISE RECORDING STATIONS
USING CRPL EQUIPMENT
CRPL BASE MAP
MODIFIED CYLINDRICAL PROJECTION

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 June, July, August 1960

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 June, July, August 1960 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	June, July, August 1960	75 W	+05
Bill	April, June, August 1960	105 W	+07
Boulder	June, July, August 1960	105 W	+07
Byrd Station	June, July, August 1960	120 W	+08
Cook	June, July, August 1960	135 E	-09
Enkoping	June, July, August 1960	15 E	-01
Front Royal	June, July, August 1960	75 W	+05
Kekaha	June, July 1960	150 W	+10
New Delhi	June, July 1960	75 E	-05
Ohira	June, July, August 1960	135 E	-09
Pretoria	June, July, August 1960	30 E	-02
Rabat	June, July, August 1960	GMT	0
São José dos Campos	June, July, August 1960	45 W	+03
Singapore	June, July, August 1960	105 E	-07
Thule	June, July, 1960	75 W	+05

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

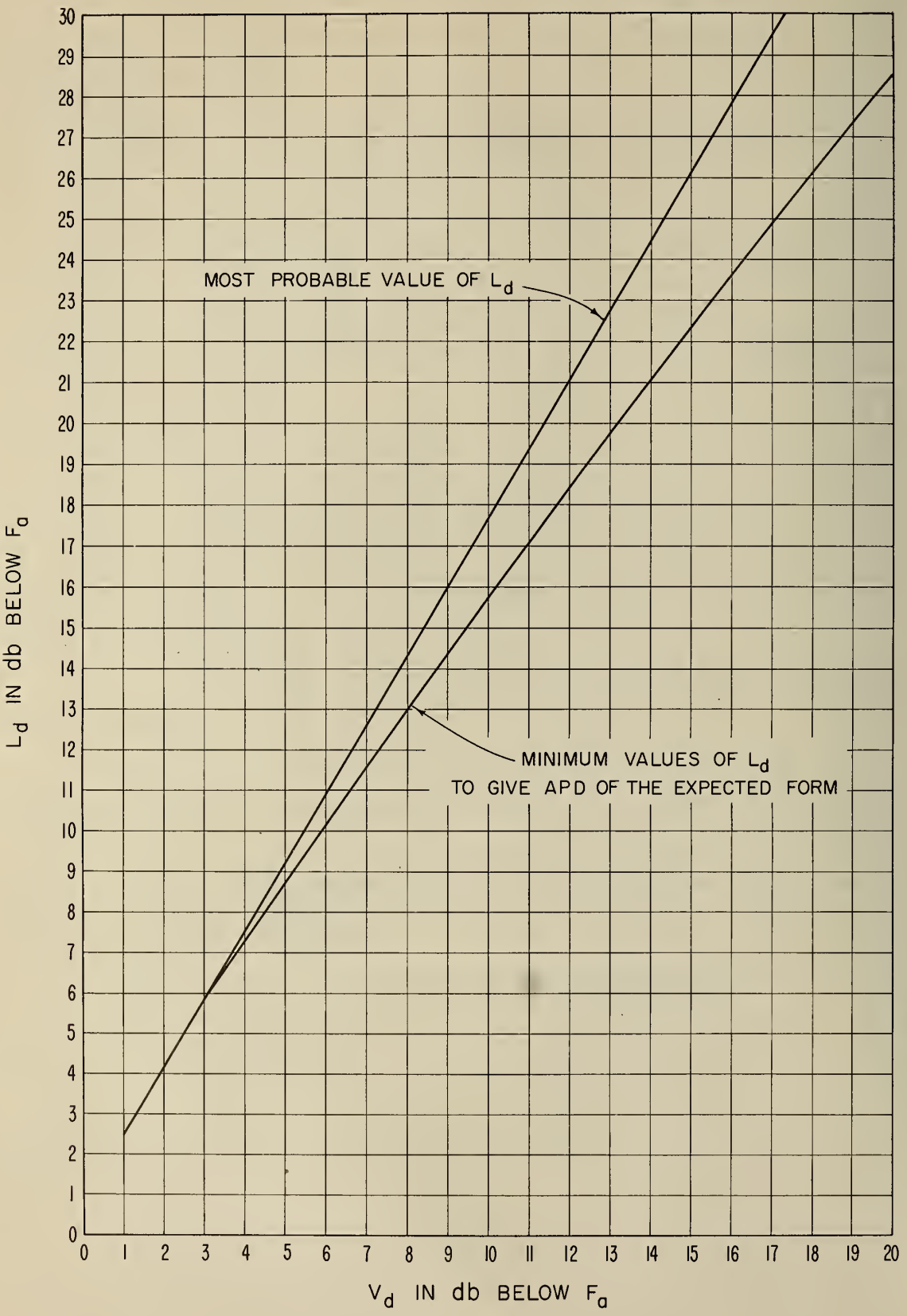
18-3 June, July, August 1959

18-4 September, October, November 1959

18-5 December, January, February 1959-60

18-6 March, April, May 1960

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



MONTH-HOUR VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0 N Long. 79.5 W Month June 19 60

Frequency (Mc)

Hour (LST)	.013 Fom	Du	Dl	Vdm	Ldm	.051 Fom	Du	Dl	Vdm	Ldm	.160 Fom	Du	Dl	Vdm	Ldm	.495 Fom	Du	Dl	Vdm	Ldm
00	184	3	5	12.0	19.0	150	3	7	11.0	17.5	129	5	8	10.0	15.5	106	7	5	8.5	13.5
01	184	4	6	12.5	19.5	150	5	6	11.0	17.0	129	7	7	9.0	14.0	106	8	6	7.5	14.5
02	184	5	4	11.0	19.0	150	5	6	10.0	17.0	129	6	6	8.5	14.5	104	10	4	7.5	13.5
03	184	4	3	12.0	20.0	150	5	5	12.0	17.0	129	8	7	9.0	16.0	104	11	6	*9.0	*17.5
04	184	6	4	13.0	20.0	150	8	7	11.5	17.5	129	8	7	9.5	16.5	104	10	6	8.0	15.5
05	184	6	4	14.0	22.0	150	6	9	14.0	21.5	129	6	11	9.5	18.0	100	16	15	*13.0	*25.0
06	182	6	4	13.5	22.0	148	8	10	16.0	24.0	127	8	14	14.0	24.5	100	13	12	14.5	26.0
07	182	6	4	15.0	22.5	146	9	7	16.0	24.0	127	6	11	13.0	24.0	100	10	16	13.5	22.5
08	182	4	4	15.5	23.5	148	6	8	14.0	23.0	127	6	10	15.0	26.0	100	10	15	14.0	24.0
09	182	4	4	15.0	22.5	147	6	7	15.0	24.0	127	6	8	*16.0	*27.0	96	16	6	*11.5	*23.5
10	182	4	4	15.0	23.0	146	4	8	16.0	25.0	127	6	16	14.5	26.5	94	18	16	*14.0	*26.5
11	182	4	4	14.0	22.5	146	6	8	15.0	24.0	125	10	14	*15.0	*26.0	97	17	18	*14.0	*26.0
12	182	6	2	14.0	21.0	145	12	5	14.0	21.5	127	12	12	11.5	23.0	99	19	15	*13.0	*23.0
13	184	8	4	13.0	19.5	148	10	10	13.0	21.0	125	14	8	15.0	24.0	103	17	19	*14.0	*27.0
14	184	10	4	11.0	17.5	148	14	8	10.5	17.0	127	12	12	15.0	23.5	102	20	16	*13.0	*24.0
15	186	4	4	10.5	16.5	148	12	7	12.0	17.5	126	16	12	14.0	23.5	104	18	20	15.5	26.0
16	184	6	2	10.0	15.0	148	10	8	12.5	18.5	127	10	10	14.0	24.0	100	14	10	*12.0	*22.5
17	184	2	4	9.0	14.0	145	7	5	12.0	18.0	122	9	6	14.0	23.5	96	12	10	*15.0	*25.0
18	182	3	3	9.5	14.0	145	6	5	11.5	18.0	123	7	6	12.0	20.0	97	9	6	9.0	16.0
19	182	2	4	11.0	16.0	144	6	4	11.5	18.0	123	4	4	8.5	14.0	98	6	4	7.0	11.5
20	182	2	4	10.0	16.0	146	4	5	9.5	15.0	125	4	5	8.5	14.0	102	4	4	7.5	14.0
21	182	3	4	10.5	19.0	146	6	6	9.5	14.5	125	4	6	7.0	12.0	103	5	5	7.5	13.0
22	182	4	3	11.0	18.0	148	4	4	9.0	14.0	127	4	7	8.0	13.5	102	6	2	8.0	14.0
23	182	5	3	11.5	18.0	148	7	3	11.0	16.5	127	8	5	9.0	15.0	104	8	3	7.0	13.5

Hour (LST)	2.5 Fom	Du	Dl	Vdm	Ldm	5 Fom	Du	Dl	Vdm	Ldm	10 Fom	Du	Dl	Vdm	Ldm	20 Fom	Du	Dl	Vdm	Ldm
00	73	2	4	5.5	8.5	64	2	4	4.0	6.0	51	2	4	4.0	6.5	32	2	5	4.0	6.0
01	73	4	5	5.0	9.0	64	2	4	4.0	7.0	51	2	2	4.0	6.0	30	2	3	3.5	5.0
02	73	4	3	5.5	10.0	66	2	6	4.5	7.0	51	2	4	5.0	7.5	28	5	4	3.5	5.0
03	75	3	6	6.0	10.5	64	4	4	5.0	8.0	49	3	3	*6.0	*10.0	28	5	4	*2.5	*3.0
04	75	2	5	6.0	10.5	64	3	4	*5.5	*10.0	49	2	6	*6.0	*11.0	26	9	2	*2.0	*3.0
05	73	5	4	7.0	13.5	64	2	4	5.5	9.5	47	3	5	*5.0	*8.0	26	9	2	4.0	5.5
06	65	7	9	*10.0	*19.0	58	5	4	7.5	13.0	43	6	2	5.0	8.0	26	5	2	3.0	5.0
07	61	8	10	11.0	19.5	54	6	7	*9.5	18.0	41	4	4	7.5	11.0	26	4	2	3.0	5.0
08	55	8	10	*11.0	*19.5	46	10	7	*8.0	15.0	35	6	4	*8.0	*11.5	26	2	3	*3.0	*5.0
09	51	11	11	*6.0	*12.0	44	9	10	*9.0	17.5	35	12	6	8.5	14.0	26	8	3	3.5	6.5
10	47	16	10	*8.0	*17.0	42	6	12	*8.0	16.5	37	4	8	*9.0	*15.0	26	9	4	*3.0	*4.5
11	49	22	18	*10.5	*17.5	39	16	15	*10.0	17.0	36	13	7	*8.5	*17.0	26	10	4	*4.0	*6.0
12	51	27	19	*13.5	*22.5	44	24	19	*11.5	18.5	37	16	6	*11.0	*17.0	28	14	4	*4.5	*6.0
13	55	28	19	*16.0	*24.5	44	26	16	*12.0	20.5	39	14	8	*10.0	*15.5	30	10	4	*4.5	*6.5
14	53	30	14	*12.5	*17.5	49	15	15	*15.0	26.5	42	13	7	*9.0	*16.0	31	15	3	6.0	9.0
15	61	26	18	*15.0	*24.0	51	23	13	*13.5	24.0	43	14	6	*7.5	*11.0	32	11	4	*3.5	*5.5
16	63	20	24	*13.0	*21.5	56	15	11	*8.5	14.0	47	6	5	6.5	10.5	32	8	2	*5.0	*7.0
17	59	13	8	*11.0	*18.0	56	3	4	*7.0	11.0	47	2	2	4.0	7.0	32	3	4	4.0	6.0
18	65	5	5	*6.0	*10.5	60	3	2	*5.0	8.5	49	2	2	4.0	5.5	30	4	3	*4.0	*5.5
19	71	4	4	7.0	11.0	64	4	2	4.5	7.0	51	0	3	4.0	7.0	30	3	4	3.0	4.5
20	71	5	2	5.5	10.0	64	2	4	4.0	7.0	51	2	2	3.5	5.5	30	6	3	3.0	5.0
21	71	5	3	5.5	9.5	64	4	2	3.5	6.0	51	2	3	4.5	7.0	30	3	4	3.5	5.5
22	71	4	2	5.5	9.0	64	0	3	4.0	7.0	51	2	2	4.0	6.5	30	2	3	3.0	5.0
23	72	3	4	4.5	8.0	64	2	4	4.0	6.0	51	2	3	4.0	6.0	30	4	4	3.5	5.5

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0 N Long. 79.5 W Month July 1960

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	185	5	4	12.0	18.0	150	6	4	11.0	18.0	129	5	4	9.0	14.5	106	6	6	8.5	15.5	71	4	2	5.5	10.0	64	2	4	5.0	8.5	52	0	4	4.0	7.0	32	4	6	3.0	5.0
01	186	3	4	12.5	19.0	150	4	2	11.0	17.0	129	6	5	9.5	16.0	106	7	6	9.0	16.0	71	4	2	6.0	11.0	64	2	4	5.0	8.0	50	2	4	5.0	8.5	30	4	6	3.5	5.5
02	186	4	4	13.0	20.0	152	6	4	12.0	18.0	131	5	6	9.0	15.0	106	7	6	9.0	17.0	73	2	4	6.0	11.0	64	2	2	5.0	9.0	50	2	4	4.5	7.0	28	7	2	2.0	4.0
03	186	3	4	13.0	20.0	152	4	4	12.5	19.0	129	6	5	10.0	17.0	104	9	5	10.0	18.5	73	4	4	6.0	10.5	64	4	2	5.0	9.5	50	2	4	5.5	9.0	28	6	4	5.0	7.0
04	186	5	2	13.5	21.0	152	6	6	12.0	19.0	131	5	8	10.0	17.0	106	6	9	10.0	17.0	73	4	4	5.5	10.5	64	2	2	5.0	9.0	48	4	2	5.0	8.0	28	6	4	4.0	5.5
05	188	4	6	14.0	22.0	154	4	8	*13.5	*21.5	133	4	10	12.5	21.5	106	7	13	12.5	23.0	73	4	4	6.5	11.0	62	4	2	5.0	9.0	48	4	6	4.5	7.5	28	8	4	3.0	4.5
06	188	3	6	15.0	23.0	152	5	8	15.0	23.0	131	6	12	14.5	25.0	104	8	12	*12.0	*25.0	67	6	8	9.5	17.0	58	4	4	*7.0	*13.5	46	4	2	6.0	9.5	28	6	4	3.5	5.5
07	184	6	4	15.5	23.5	150	8	8	16.0	25.0	129	8	10	14.0	25.0	105	9	15	14.0	25.5	61	8	8	10.5	19.5	54	4	6	10.0	18.0	42	4	4	6.5	10.5	28	6	4	3.0	5.0
08	186	5	7	16.0	24.0	149	8	9	14.5	24.0	129	8	12	14.0	25.0	100	14	14	13.5	25.5	59	11	12	11.5	18.5	50	9	6	9.5	18.0	38	10	3	9.0	14.5	28	8	4	4.0	5.0
09	184	8	4	15.0	24.0	150	10	12	16.0	24.5	127	10	12	14.0	27.0	102	12	16	*12.0	*24.5	54	16	15	*9.0	*16.5	48	16	12	11.5	19.0	34	16	2	10.0	16.0	26	14	2	3.5	5.5
10	184	6	4	16.5	25.5	146	10	6	17.0	27.0	127	10	14	17.0	29.0	100	12	19	*15.0	*27.5	53	22	14	*7.5	*11.0	43	17	9	*13.0	*19.0	34	14	2	*10.0	*16.5	28	9	4	*5.0	*7.0
11	182	7	4	16.0	24.0	146	10	10	16.0	25.0	127	8	16	*14.0	*25.0	98	14	20	14.0	27.0	54	16	17	*6.0	*9.5	42	18	12	*12.5	*22.0	38	8	8	*10.0	*17.0	28	8	4	4.0	6.0
12	182	7	2	15.0	23.0	146	8	8	14.5	23.0	127	8	13	14.0	24.5	100	14	20	15.0	25.5	53	19	14	*4.0	*10.5	40	22	8	*13.5	*21.5	38	14	4	*11.0	*16.5	28	10	2	*4.0	*6.0
13	184	7	4	11.5	17.5	146	16	4	13.0	20.0	125	14	6	14.0	24.0	106	12	15	*13.5	*23.5	53	20	16	*8.0	*16.0	43	27	11	*13.5	*24.0	40	16	6	*10.0	*16.0	32	12	4	4.0	6.5
14	186	9	4	11.0	17.5	152	11	8	13.0	20.0	131	14	8	13.0	24.0	110	15	12	*11.5	*24.0	60	25	13	13.0	21.0	54	22	11	*11.0	*20.0	46	17	10	*9.5	*14.0	36	15	8	6.0	9.0
15	186	10	4	11.0	17.0	151	11	7	13.0	18.0	129	12	8	12.5	21.5	109	11	11	12.0	22.0	61	23	15	*12.5	*22.5	54	20	8	*10.0	*17.0	44	14	6	7.0	11.5	32	13	2	5.0	8.0
16	188	4	4	10.0	15.0	150	8	5	11.5	16.5	129	10	8	13.5	22.5	105	12	13	11.5	22.0	61	18	10	*11.0	*22.0	53	12	7	*8.0	*12.5	46	17	4	5.0	8.5	32	11	2	3.0	5.0
17	186	6	3	9.0	15.0	146	14	5	11.0	17.0	126	12	11	13.5	23.0	100	16	10	*13.0	*21.0	59	20	8	*9.5	*16.0	56	11	4	7.0	12.0	48	6	2	5.0	7.5	32	8	3	4.0	6.5
18	184	5	4	9.0	14.5	146	9	6	12.0	17.5	125	12	8	11.5	19.0	96	17	6	10.5	18.0	65	16	6	7.5	12.0	60	9	2	*6.0	*9.0	50	5	2	4.0	6.0	32	3	4	3.0	5.5
19	184	4	5	9.5	14.0	146	8	5	10.5	16.0	125	8	7	8.0	13.0	100	11	9	8.0	13.5	70	5	4	6.0	10.0	64	4	2	*5.0	*8.0	52	3	2	4.0	6.0	32	2	6	3.0	5.0
20	184	4	4	10.0	14.5	148	6	4	10.0	16.0	125	7	4	7.5	12.5	102	6	5	8.0	15.0	72	3	3	5.5	10.0	66	1	5	5.5	9.5	50	4	2	4.0	7.0	30	3	5	2.5	4.0
21	184	4	4	10.5	15.5	148	4	4	10.0	15.0	127	4	6	8.0	12.5	104	7	6	8.0	14.5	71	4	4	6.0	10.5	64	6	3	*4.5	*7.5	50	2	0	4.0	7.0	30	2	4	3.5	5.5
22	184	4	4	10.0	15.0	148	6	4	10.0	15.0	127	7	4	8.5	14.0	104	5	6	9.0	16.0	71	4	4	5.5	9.5	64	3	4	5.0	8.0	50	4	0	4.0	6.5	30	4	4	3.5	5.0
23	184	3	4	10.0	16.0	150	4	4	10.0	16.0	129	4	6	8.0	13.5	104	7	4	8.5	15.0	71	4	3	5.5	9.0	64	2	4	4.5	8.0	52	2	2	4.0	6.5	30	4	6	3.5	5.0

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0 N Long. 79.5 W Month August 19 60

Frequency (Mc)

Hour (LST)	.013 F_{om}	.013 D_u	.013 D_ℓ	.013 V_{dm}	.013 L_{dm}	.051 F_{om}	.051 D_u	.051 D_ℓ	.051 V_{dm}	.051 L_{dm}	.160 F_{om}	.160 D_u	.160 D_ℓ	.160 V_{dm}	.160 L_{dm}	.495 F_{om}	.495 D_u	.495 D_ℓ	.495 V_{dm}	.495 L_{dm}
00	183	8	5	9.5	16.0	150	8	4	10.0	16.0	129	7	7	8.0	12.5	102	13	3	7.5	13.5
01	183	4	6	11.0	17.0	150	6	6	10.5	15.0	129	6	8	8.0	14.0	104	9	7	7.0	12.5
02	183	6	5	12.0	17.5	150	7	7	9.5	15.5	129	9	9	9.0	14.5	104	11	8	8.0	14.5
03	185	5	7	12.0	19.0	150	8	8	9.5	16.5	130	7	12	8.0	14.0	104	12	11	8.0	14.5
04	185	6	7	13.0	19.0	150	8	10	10.5	17.0	129	8	11	10.0	17.0	102	14	9	9.0	17.0
05	185	5	9	13.5	20.0	150	7	17	11.0	18.0	127	9	13	11.0	19.5	96	19	20	9.0	19.0
06	182	7	8	13.0	20.0	148	9	16	14.5	21.5	129	6	29	12.5	23.0	98	14	28	*11.0	21.0
07	181	8	9	13.5	21.0	148	8	13	14.0	22.0	128	7	31	*13.5	*24.0	99	13	31	11.5	22.5
08	181	8	8	14.0	21.5	147	8	12	14.0	23.0	125	12	28	12.5	22.5	98	14	24	11.0	20.0
09	183	6	8	15.0	21.5	146	10	12	14.0	23.5	127	9	31	12.5	22.0	95	16	22	*12.0	*22.0
10	181	8	6	14.0	21.0	144	10	11	14.0	22.5	126	9	31	14.5	25.5	94	17	24	*12.0	*23.5
11	181	8	8	14.0	20.0	144	10	8	13.5	21.0	121	12	20	14.0	23.0	91	21	17	*12.0	*21.0
12	181	5	3	13.0	20.0	144	10	10	12.0	20.0	120	17	17	14.0	23.0	90	28	14	*14.5	*26.0
13	183	5	4	12.0	18.5	148	10	11	10.5	17.5	127	12	16	13.0	21.0	100	16	18	*13.5	*25.0
14	183	6	2	8.5	13.0	150	11	6	9.0	14.5	126	12	17	13.0	21.5	104	13	21	14.0	24.0
15	185	5	4	10.0	15.0	147	13	7	11.5	18.5	123	17	6	14.0	22.0	102	16	13	*14.0	*23.0
16	185	4	2	8.5	13.0	146	10	6	12.5	18.0	123	14	12	14.5	21.5	96	18	9	12.0	22.5
17	183	6	2	9.0	13.5	144	12	11	10.0	16.5	121	15	9	13.5	21.5	96	14	9	*10.0	*15.0
18	181	5	4	9.0	14.0	146	7	5	10.0	16.0	123	9	10	11.0	18.0	94	11	9	7.0	12.0
19	181	4	4	9.0	14.0	147	7	6	11.0	17.0	125	8	7	8.0	13.5	102	10	7	7.5	15.0
20	183	4	4	10.0	15.0	148	6	6	10.0	15.5	127	8	8	8.0	13.0	104	10	6	7.0	11.5
21	183	4	3	9.0	15.0	148	6	6	9.5	14.0	127	8	6	7.0	12.0	104	10	6	6.5	12.0
22	183	4	4	9.0	14.5	148	7	6	9.0	13.0	127	6	6	8.0	13.0	105	8	5	7.0	12.0
23	183	5	6	10.0	16.0	148	8	6	9.0	13.5	127	5	5	7.0	12.0	104	12	5	7.5	13.0

Hour (LST)	2.5 F_{om}	2.5 D_u	2.5 D_ℓ	2.5 V_{dm}	2.5 L_{dm}	5 F_{om}	5 D_u	5 D_ℓ	5 V_{dm}	5 L_{dm}	10 F_{om}	10 D_u	10 D_ℓ	10 V_{dm}	10 L_{dm}	20 F_{om}	20 D_u	20 D_ℓ	20 V_{dm}	20 L_{dm}
00	68	6	3	6.0	10.0	62	4	2	5.0	8.0	50	4	3	5.0	8.0	30	4	6	3.5	5.0
01	68	6	3	6.0	11.0	62	3	1	5.0	8.0	49	3	3	*5.0	*8.0	28	4	4	3.0	4.0
02	70	6	4	6.0	11.0	64	2	3	5.0	9.0	48	2	2	5.0	8.0	28	4	4	3.0	4.0
03	72	4	6	6.0	11.0	64	2	2	6.0	9.0	48	4	4	6.0	9.0	27	9	3	3.0	4.0
04	71	5	6	5.5	10.5	64	2	4	5.5	9.0	47	4	7	5.5	9.0	26	8	2	1.5	2.5
05	72	3	8	6.0	11.0	62	4	4	5.0	9.0	46	4	8	*5.0	*7.0	26	9	2	1.5	3.0
06	64	6	12	8.5	15.5	58	3	6	6.0	11.0	44	4	2	6.5	10.0	28	4	4	4.0	5.5
07	55	15	21	*9.5	*16.5	52	6	14	10.0	17.0	42	6	4	6.5	10.5	28	6	2	*3.5	*5.5
08	47	19	19	*8.5	*14.0	46	12	22	*11.0	*19.0	36	10	6	7.5	12.0	27	5	3	*4.0	*6.0
09	42	24	12	*7.0	*10.0	40	12	18	*11.5	*18.5	34	7	8	*9.5	*15.5	26	6	2	3.5	6.0
10	40	26	15	*8.0	*16.0	35	23	17	*12.5	*22.0	30	14	6	10.0	15.5	26	10	2	4.0	6.0
11	42	24	13	*12.0	*19.0	33	23	13	*12.5	*24.5	32	13	10	10.0	16.5	28	7	6	4.5	6.5
12	39	29	13	*10.5	*22.0	32	32	12	*10.5	*20.5	34	19	8	*10.0	*15.5	28	12	4	4.5	6.5
13	42	38	11	*12.5	*25.0	40	32	14	*11.0	*19.0	38	20	6	*7.0	*11.5	30	12	2	5.0	7.0
14	54	28	22	*11.0	*20.0	51	19	21	10.0	18.5	38	14	4	7.0	11.5	32	10	4	*4.0	*5.0
15	56	22	18	*11.5	*20.0	47	21	15	10.0	19.5	41	16	3	8.0	12.5	32	10	2	3.5	5.0
16	56	22	15	*11.5	*19.0	50	14	10	6.5	10.5	44	6	2	5.5	8.0	34	9	3	4.0	6.0
17	56	20	12	*10.0	*16.0	54	12	6	5.0	8.0	48	6	4	4.5	7.0	34	4	4	4.0	6.0
18	62	10	6	5.5	9.0	60	5	4	5.5	8.0	50	2	2	4.5	7.0	32	4	3	3.5	5.5
19	68	6	2	4.5	8.0	64	2	4	4.0	7.0	50	3	2	4.0	7.0	32	2	5	3.0	4.5
20	70	4	3	5.0	8.5	64	2	4	*4.5	*8.0	50	3	2	*5.0	*8.5	30	6	4	3.0	5.0
21	70	4	4	5.5	9.5	64	4	2	5.0	8.0	50	3	2	4.0	6.5	28	6	2	3.0	4.0
22	70	3	4	5.0	8.0	63	3	3	5.0	8.0	50	5	2	*4.5	*7.5	28	6	2	3.0	4.0
23	68	6	2	5.0	9.0	62	4	2	4.5	8.0	48	6	0	5.0	8.0	30	6	4	4.0	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

MONTH-HOUR VALUES OF RADIO NOISE

Station Bill, Wyoming Lat. 43.2 N Long. 105.2 W Month April 19 60

Hour (LST)	Frequency (Mc)																																	
	.051										.246					.495					2.5					5					10					20				
	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}
00	128										91					74					68					58					30					24				
01	127										93					82					62					57					30					23				
02	125										89					74					62					56					33					23				
03	123										88					60					57					56					32					24				
04	123										77					54					55					54					33					25				
05	116										78					55					40					41					29					27				
06	110										78					55					32					37					27					27				
07	114										76					57					25					29					24					26				
08	118										77					57					23					26					20					25				
09	119										86					56					23					25					16					27				
10	122										79					54					21					23					20					25				
11	129										79					56					23					25					17					25				
12	129										77					56					24					22					18					29				
13	130										86					54					23					28					20					28				
14	125										82					58					25					27					23					27				
15	122										79					57					27					35					25					29				
16	123										83					63					27					38					29					29				
17	123										89					69					43					47					33					29				
18	125										96					73					49					56					33					27				
19	126										89					67					69					59					35					27				
20	127										89					67					63					60					33					25				
21	128										97					76					67					60					39					25				
22	127										90					68					65					61					33					25				
23	126										95					74					69					59					33					25				

F_{am} = median value af effective antenna noise in db abave ktb
D_u = ratia of upper decile to median 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 deviotian of averoge lagarithm in db belaw mean pawer

MONTH-HOUR VALUES OF RADIO NOISE

Station Bill, Wyoming Lat. 43.2 N Long. 105.2 W Month June 1960

Hour (LST)	Frequency (Mc) .051 F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	.113 F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	.246 F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	.495 F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	2.5 F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	5 F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	10 F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	20 F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}
00	137					124					112					93					75					69					44					23				
01	135					122					108					91					73					69					44					23				
02	135					122					108					91					71					67					42					23				
03	133					120					104					79					73					65					38					23				
04	127					112					94					62					61					61					34					23				
05	127					110					92					59					47					49					34					23				
06	125					106					88					55					33					43					34					21				
07	122					106					86					53					23					35					28					21				
08	121					102					87					55					21					29					24					21				
09	121					105					86					59					21					31					24					21				
10	127					110					92					65					21					29					24					23				
11	131					116					104					85					28					36					28					23				
12	135					118					109					84					26					35					30					25				
13	137					124					106					89					25					41					32					25				
14	139					124					106					89					25					41					34					27				
15	137					123					110					96					41					45					38					29				
16	137					124					106					105					31					49					42					29				
17	137					124					110					94					67					55					44					27				
18	135					122					108					83					55					63					46					27				
19	135					125					110					89					63					69					48					25				
20	141					126					112					96					73					73					46					25				
21	139					126					113					97					77					73					44					24				
22	139					126					112					95					77					72					44					23				
23	138					126					112					93					77					71					42					23				

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Bill, Wyoming Lat. 43.2 N Long. 105.2 W Month August 19 60

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5					5					10					20				
	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	163			9.0	16.0	143			8.0	14.0	122			7.0	13.0	97			5.0	12.0	71					*65					*43					*25				
01	163			9.0	17.0	144			8.0	14.5	120			7.5	14.5	95			6.0	12.0	74					*65					*43					*25				
02	161			9.0	17.0	143			7.5	15.0	120			7.5	14.0	97			5.5	13.5	74					*63					*43					*25				
03	163			11.0	18.5	141			9.0	15.5	118			7.5	14.5	93			6.0	14.5	71					*63					*43					*25				
04	163			11.0	19.0	140			9.0	17.5	115			9.0	17.5	85			*9.0	*18.5	72					*64					*41					*25				
05	159			11.0	18.0	136			12.0	19.5	110			11.5	20.5	81			*9.0	*19.0	64					*59					*39					*25				
06	159			11.5	19.5	134			11.5	19.0	106			10.0	20.0	66			9.5	16.0	50					*51					*42					*25				
07	159			11.5	19.5	133			10.5	19.0	110			11.5	20.0	68			*7.5	*14.5	46					*45					*38					*25				
08	159			13.0	20.0	133			10.5	19.0	106			11.5	21.5	63			*9.0	*15.0	28					*37					*35					*25				
09	161			12.0	20.5	135			10.0	18.0	107			*10.0	*19.0	65			*7.5	*15.0	26					*37					*33					*25				
10	160			10.0	18.0	133			9.5	17.0	109			8.0	18.0	69			7.0	12.0	24					*26					*34					*26				
11	161			8.5	17.0	137			7.0	14.0	111			8.5	16.5	76			*5.0	*10.0	24					*25					*33					*25				
12	161			8.5	16.0	139			7.0	13.0	110			7.0	13.5	78			5.0	11.0	26					*30					*35					*26				
13	163			7.0	14.0	139			6.0	12.5	110			6.0	14.0	81			8.5	15.0	30					*33					*37					*30				
14	165			6.0	13.0	140			5.0	12.0	111			5.5	11.0	81			5.0	10.0	27					*38					*39					*29				
15	165			6.5	12.0	143			5.0	10.0	116			5.5	11.5	82			6.0	12.5	34					*44					41	4	6			27	6	2		
16	167			5.5	12.0	144			4.0	9.5	118			5.0	12.5	80			4.0	8.5	40					47	16	10			45	4	4			29	6	4		
17	165			7.0	12.0	143			4.5	11.0	118			5.5	11.0	80			4.5	10.0	52					55	6	10			*47					29	4	4		
18	166			6.0	13.0	143			5.0	11.0	118			5.0	11.0	82			3.5	8.5	61					59	10	10			*47					*30				
19	165			7.0	14.5	147			5.0	12.0	120			4.0	10.0	93			3.5	8.5	65					*65					49	6	6			27	2	2		
20	163			7.0	12.0	145			5.5	10.0	121			5.0	10.0	95			4.0	9.0	74					*67					*47					*25				
21	164			6.0	15.0	145			5.5	12.0	121			5.0	10.5	97			4.0	8.5	74					*67					*47					*25				
22	164			8.0	15.0	145			7.0	13.5	121			5.0	12.0	95			6.0	13.0	75					*66					*43					*25				
23	163			9.0	16.0	146			7.0	13.5	121			6.0	14.0	96			5.0	11.0	74					*65					*44					*27				

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1 N Long. 105.1 W Month June 19 60

Hour (LST)	Frequency (Mc)																																							
	.013					.051					.160					.495					2.5										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	161	6	2	9.0	13.0	139	5	6	8.0	13.0	122	5	7	6.0	10.5	95	4	8	5.0	10.0	76	2	10	5.5	7.0						46	2	4	4.0	6.0	25	2	2	1.5	3.0
01	161	6	2	9.0	15.0	136	5	3	7.5	13.0	121	6	6	6.5	12.0	93	5	7	5.0	10.5	72	4	6	5.5	9.0						42	7	2	6.0	9.0	25	2	2	2.0	3.0
02	159	7	0	10.5	16.5	135	6	2	8.0	14.0	121	4	6	6.0	13.0	91	8	6	7.0	13.0	72	4	6	6.0	9.0						42	8	6	6.0	9.0	24	3	3	6.5	10.0
03	158	9	3	10.0	19.5	133	4	3	10.0	18.0	115	8	7	11.0	19.0	81	15	8	10.5	12.5	72	4	11	7.0	11.0						40	6	4	5.0	8.0	24	3	3	5.0	9.0
04	159	4	4	11.5	19.0	129	6	2	9.0	17.5	110	11	19	12.0	19.0	74	11	16	8.0	14.0	59	8	10	9.0	9.0						38	4	2	5.0	6.0	23	6	2	3.0	4.0
05	157	6	4	15.0	19.5	127	8	4	12.0	21.0	107	14	22	12.0	21.0	75	17	14	8.0	19.0	50	10	7	8.0	7.5						38	8	4	4.5	7.0	25	3	4	2.5	3.5
06	156	7	3	11.5	19.0	129	4	8	11.0	21.0	103	19	19	9.0	17.5	71	18	14	8.0	16.5	46	10	2	4.0	6.0						36	5	5	4.0	6.0	23	4	2	3.5	5.0
07	*155			13.0	20.5	127	8	8	11.5	21.0	*101			13.0	26.5	*65				19.5	*44			5.0	9.0						*32			4.5	7.0	*25			2.5	4.0
08	*157			16.0	21.5	*124					*105					*71					*45			2.0	3.0						*32			2.0	3.0	*25				
09	*157			11.5	19.0	*127			10.0	20.0	*105			9.5	20.5	*72			6.5	16.0	*48			2.0	2.5						*29					*25			2.0	3.5
10	161	2	4	10.0	18.0	129	6	4	10.0	19.0	*108			7.5	17.5	75	22	12	6.0	17.5	*48			1.5	2.5						29	7	5	5.0	6.0	*24			4.0	6.0
11	163	4	6	11.0	19.0	133	8	6	9.5	18.5	113	12	18	8.5	18.0	71	36	9	7.0	16.0	48	18	4	2.0	2.5						32	6	5	5.0	7.0	25	6	4	5.0	7.0
12	163	7	4	11.0	18.5	135	9	7	8.5	15.5	121	10	18	10.5	19.0	85	23	16	10.0	18.0	50	16	5	2.0	2.0						34	5	6	4.0	6.5	27	4	4	4.0	5.0
13	165	7	4	8.5	16.0	137	11	7	7.5	14.0	117	17	13	8.5	16.5	83	19	10	15.0	23.0	54	17	8	3.0	4.0						36	11	5	4.0	3.5	27	11	4	4.0	6.0
14	165	9	2	7.0	12.5	137	14	6	6.0	12.5	119	17	15	6.0	17.0	83	35	9	10.5	20.0	54	16	8	2.0	3.0						38	13	5	3.5	5.5	26	12	2	3.0	4.0
15	165	6	2	4.5	10.0	138	10	7	5.0	11.5	123	12	10	8.0	15.0	80	23	4	6.5	15.0	55	22	8	3.0	4.0						40	9	5	4.0	6.0	27	8	2	3.0	4.5
16	165	5	2	4.5	9.5	139	7	7	6.0	11.5	125	8	10	5.0	11.5	95	20	16	11.0	17.5	50	26	3	6.5	8.5						44	4	4	3.5	5.0	27	8	2	1.5	2.5
17	167	3	3	5.0	10.0	141	5	8	4.0	9.5	124	10	10	10.0	15.5	91	21	10	9.0	15.0	55	21	7	4.5	6.5						46	5	5	3.5	6.0	28	8	3	3.5	5.0
18	165	4	3	7.0	12.5	139	6	6	7.5	13.0	123	10	8	5.5	10.5	90	20	7	6.5	14.0	58	13	5	3.5	5.0						48	3	2	4.5	7.0	31	4	4	4.0	6.0
19	165	2	4	6.0	8.5	137	8	4	4.5	10.0	119	14	2	6.5	10.0	85	23	2	4.5	7.5	66	10	6	6.0	7.0						50	4	2	4.5	7.5	27	5	2	3.0	4.5
20	164	3	3	6.0	12.5	141	3	6	6.0	11.0	122	7	3	4.0	8.0	95	10	6	4.0	8.0	74	4	6	4.0	7.0						50	4	4	4.0	7.0	27	6	4	3.0	5.0
21	165	4	4	7.0	14.0	139	4	2	5.0	10.5	123	4	4	6.0	9.5	97	4	8	5.0	11.0	74	5	3	4.5	7.5						48	6	4	2.5	4.5	27	4	4	3.0	3.5
22	163	4	3	9.0	15.0	139	4	6	4.0	9.5	123	4	5	6.0	11.0	96	6	10	4.0	9.0	74	5	3	4.5	7.5						47	3	4	5.5	8.0	25	2	2	2.5	3.5
23	165	2	4	8.5	15.0	139	4	5	4.0	11.5	124	3	7	5.0	10.5	95	8	8	4.5	10.0	74	5	6	5.0	7.5						48	2	6	4.5	7.0	25	4	2	2.0	3.0

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1 N Long. 105.1 W Month July 19 60

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5										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	163					130					117					95					73										47					25				
01	163					130					119					94					67										47					25				
02	163					130					118					91					66										45					25				
03	163					131					115					85					64										43					24				
04	161					126					106					73					54										41					23				
05	160					126					104					65					46										39					23				
06	161					125					106					65					44										37					23				
07	159					124					99					65					43										37					23				
08	161					120					107					65					45										33					25				
09	163					126					100					71					46										33					25				
10	163					130					104					71					46										35					27				
11	165					131					113					82					48										35					26				
12	167					136					118					83					52										35					27				
13	167					140					120					101					54										37					29				
14	169					140					121					104					64										40					29				
15	169					138					124					107					58										43					29				
16	169					140					124					101					56										45					31				
17	169					138					124					99					54										47					31				
18	167					138					124					97					62										49					30				
19	169					138					120					92					65										49					29				
20	167					138					123					93					70										51					27				
21	165					133					120					94					71										49					25				
22	163					134					118					97					71										47					25				
23	162					132					119					95					74										47					25				

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1 N Long. 105.1 W Month August 19 60

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5										10					20				
	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	Fom	Du	Dℓ	Vdm	Ldm
00	165			6.0	9.5	*133			*5.0	*12.0	120	6	6	*3.0	*7.5	99	8	8	*3.5	*11.0	69	6	8	*3.0	*6.5						46	2	7	3.0	7.0	21	0	2	1.5	3.0
01	165			7.5	15.0	133	10	4	5.5	11.0	120	6	6	*3.5	*8.0	97	8	6	*3.0	*7.0	66	23	5	*2.5	*7.0						44	4	5	*2.5	*6.0	21	0	2	1.5	3.5
02	165			6.0	13.0	137	3	10	*4.5	*11.5	120	4	8	*4.0	*9.0	95	7	6	*3.5	*7.0	*65			*3.5	*7.5						42	6	2	4.0	7.0	21	0	2	1.5	3.5
03	165			6.5	14.0	135	8	8	5.5	11.5	118	4	6	*4.5	*11.0	95	6	5	*3.0	*8.5	65	12	6	*3.0	*8.0						40	8	3	3.5	7.0	19	2	0	1.5	2.5
04	165			7.5	14.5	133	10	8	7.0	15.0	116	5	10	*6.0	*10.5	89	6	9	*5.5	*13.0	63	12	8	*5.0	*12.0						40	4	5	*4.0	*8.0	19	2	0	*1.0	*2.5
05	165			9.0	16.0	130	7	5	*7.0	*13.5	116	5	17	*7.0	*13.0	76	14	12	*3.5	*7.5	53	6	8	4.0	8.0						38	6	2	4.0	8.5	19	5	0	1.0	2.5
06	165			7.0	17.0	127	9	4	*6.0	*14.0	116	4	16	*6.0	*13.5	74	15	13	*4.5	*13.0	49	8	5	*4.0	*4.0						38	4	3	3.5	9.0	21	9	2	1.5	3.0
07	165			9.5	19.0	*133			*7.0	*16.0	*105			*9.5	*17.5	73	18	8	*5.0	*8.5	*45			*2.0	*3.5						36	9	2	*3.5	*7.0	21	2	2	*2.0	*3.5
08	165			7.0	17.0	*127			*8.0	*16.0	*106			*6.5	*17.5	67	20	5	*2.0	*5.0	*47			*2.0	*4.0						34	8	6	*3.5	*7.5	21	4	2	*2.0	*4.0
09	165			8.0	17.0	133	4	6	*7.0	*17.0	106	13	13	6.5	17.0	65	22	2	*5.0	*12.0	45	9	2	*1.5	*3.5						30	11	4	*3.0	*7.0	21	2	3	1.5	4.0
10	165			7.0	14.0	133	4	6	*6.0	*16.0	105	15	7	6.0	17.0	69	22	4	*3.0	*7.5	45	7	4	*2.0	*4.0						32	6	7	4.0	7.5	21	4	2	2.0	4.5
11	167			6.5	16.0	136	3	8	*5.0	*15.0	106	15	5	*5.0	*14.0	85	7	20	*3.0	*9.0	47	4	3	*1.5	*4.0						34	4	8	3.0	8.0	21	5	4	2.5	5.0
12	169			6.0	14.5	137	6	4	*5.0	*15.0	117	8	12	*5.0	*13.5	86	16	17	*2.0	*6.5	49	7	4	*3.0	*5.5						36	2	5	4.0	8.0	23	4	3	2.0	5.0
13	169			5.0	12.5	139	4	4	*4.0	*12.0	118	8	9	*4.0	*10.5	93	19	20	*3.5	*8.5	47	10	2	*2.0	*3.5						38	2	4	*3.5	*6.5	24	3	3	3.5	5.0
14	171			4.0	12.0	141	4	5	4.0	11.0	120	10	4	*5.0	*9.5	97	12	18	*5.0	*11.5	49	16	6	*1.0	*2.0						38	5	3	3.0	6.5	25	4	4	3.0	5.0
15	171			5.0	10.5	141	4	4	5.0	11.0	122	8	12	4.5	11.0	101	9	25	*4.0	*11.0	54	11	11	*2.0	*3.0						40	7	2	4.0	7.5	25	6	4	3.0	5.5
16	171			4.5	10.5	141	8	6	5.0	12.0	124	7	13	*4.0	*14.0	99	10	18	*5.0	*12.0	51	12	6	*2.0	*5.0						46	4	4	3.0	6.0	25	6	2	3.0	5.5
17	171			5.5	14.0	141	12	8	*5.0	*12.5	124	8	16	*4.5	*14.5	99	7	22	*7.0	*14.5	56	6	10	4.0	7.0						46	4	6	3.5	6.0	25	4	2	3.0	5.5
18	171			5.5	14.0	143	6	10	5.5	12.5	122	7	13	4.5	12.0	97	11	16	5.5	11.5	59	16	4	*3.0	*6.0						48	4	3	3.0	6.5	25	4	4	2.5	4.5
19	171			7.0	14.0	143	7	10	*4.0	*10.5	122	8	8	3.5	8.0	99	7	8	*3.5	*9.0	73	6	10	2.5	5.5						50	2	4	3.0	7.0	25	1	4	3.0	5.0
20	169			5.0	12.5	141	9	8	*5.0	*11.5	122	11	6	*3.0	*7.0	99	8	6	*4.5	*9.0	74	3	15	*2.0	*5.0						48	4	6	3.0	7.0	21	6	0	2.0	5.0
21	167			5.5	12.0	141	8	6	4.0	10.0	122	6	6	*3.0	*8.0	101	6	8	*4.0	*9.0	*73			*3.0	*7.0						48	4	8	3.5	7.0	21	4	2	1.0	3.5
22	167			6.0	16.0	141	6	8	*5.0	*13.0	122	8	8	*4.5	*11.0	99	8	6	*2.0	*8.0	*73			*3.0	*7.5						46	5	6	*3.5	*7.0	21	3	1	1.5	3.0
23	165			5.5	11.5	137	6	12	5.5	11.0	122	4	10	*3.5	*7.0	97	7	6	*3.5	*4.0	*72			4.0	9.0						46	3	7	3.5	6.0	21	3	3	1.0	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 Byrd Station, Ant. Lat. 80.0 S Long. 120.0 W Month June 19 60

Hour (LST)	Frequency (Mc)																																					
	.051					.113					.246					.545					2.5					5					10					20				
	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	105					76					62					51					34					33	12	11			24					19	2	2		
01	102					76					62					53					24					33	14	2			26					19	2	2		
02	105					67					60					53					24					31	12	8			27					19	2	2		
03	101					67										53					24					27	16	6			22					19	2	2		
04	101										60					51					26					25	12	5			23					19	1	0		
05	101					76					60					51					24					25	12	4			30					19	0	2		
06	101					75					60					53					24					25	10	4			20					19	0	2		
07	103					76					64					53					24					25	10	6			21					19	2	2		
08	103					76					62					51					25					25	10	4			22					19	0	2		
09	100					76					60					51					24					25	12	6			22					19	0	0		
10	99					72					62					51					24					27	6	6			22					19	0	0		
11	99					74					62					53					24					27	6	4			22					19	0	2		
12	97					74					61					51					24					27	5	2			22					19	0	0		
13	97					74					60					53					24					29	4	4			22					19	2	0		
14	97					74					62					33					24					*33					24					19	2	0		
15	97										62										26					31	4	6			22					19	2	0		
16	101					74					62					51					26					33	4	6			24					19	0	1		
17	101					76					64					52					26					29	12	11			29					19	2	0		
18	101					74					62					51					24					34	5	15			23					19	0	0		
19	101					74					64					51					24					34	9	9			24					19	0	2		
20	103					76					62					51					24					31	12	8			26					19	0	0		
21	101					76					61					53					24					30	15	8			28					19	0	2		
22	100					75					61					53					24					35	8	14			26					*19				
23	103					76					62					53					24					*33					26					19	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 deviotian of averoge logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Byrd Station, Ant. Lat. 80.0 S Long. 120.0 W Month July 19 60

Hour (LST)	Frequency (Mc)																																					
	.051					.113					.246					.545					2.5					5					10					20				
	F_{om}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}
00	105					77					61					51					*26					*27					25	4	2			18	0	0		
01	105					75					61					59					*26					28	10	6			25					18	0	2		
02	103					77					61					49					*26					22	16	2			20	8	4			18	0	0		
03	103					75															26	0	2			24	10	4			24					18	0	2		
04	101					74										51					26	0	2			22	10	2			22	4	8			17	1	1		
05	99					74					61					51					*26					*22					20					16	2	0		
06	101					75					63					51					*26					*22					20					18	0	2		
07	101					75					61					50					26		2			*24					21					18	0	2		
08	102					73					63					41					26	2	2			*27					24					18	0	2		
09	101					73					61					49					26	2	2			26	10	4			24	2	8			18	0	2		
10	101					73					61					49					26	2	2			28	8	8			24	2	4			18	0	0		
11	101					73					61					50					26	2	2			30	3	8			24					18	0	0		
12	99					73					63					51					26	2	2			30	3	2			23	1	1			18	0	0		
13	97					75					63					52					26	2	4			32	3	4			24	2	0			18	0	0		
14	97					75					61					51					26	2	4			23	3	2			26	2	2			18	0	0		
15	97										63										26	2	2			22	4	7			24	4	2			18	0	0		
16	97					73					61					51					26	2	2			33	5	9			26	2	4			18	0	0		
17						74					63					51					26	2	2			32	6	7			25	2	3			18	0	2		
18	99					73					61					51					26	3	2			24	4	9			26	2	6			18	0	0		
19	101					76					61					51					26	2	0			34	10	6				6	4			18	0	0		
20	103					75					63					51					26	2	4			34	0	10			26		10			18	0	2		
21	104					75					62					51					26	2	2			34	8	10			24					18	0	2		
22	105					75					63					51					26	2	2			34	8	10			25					18	0	0		
23	105					75					62					51					26	4	2			40	6	6			26	2	4			18	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 Byrd Station, Ant. Lat. 80.0 S Long. 120.0 W Month August 1960

Frequency (Mc)

Hour (LST)	.051 Fam	Du	Dℓ	Vdm	Ldm	.113 Fam	Du	Dℓ	Vdm	Ldm	.246 Fam	Du	Dℓ	Vdm	Ldm	.545 Fam	Du	Dℓ	Vdm	Ldm
00	105	5	2			77	3	4			*63					*53				
01	105	6	2			77	1	4			63	4	2			52	4	2		
02	106	5	4			77	2	2			63	6	0			52	2	2		
03	105	1	3			77	3	2			*63									
04	*106					*77										*52				
05	*101					*77					65	2	2			52	4	4		
06	101	4	6			75	6	4			64	3	1			*59				
07	103	2	6			77	4	4			*65					73	4	2		
08	102	7	5			79	4	6			65	4	4			52	4	4		
09	103	5	7			77	6	3			64	7	1			72	2	3		
10	103	5	8			79	2	6			65	4	2			52	5	1		
11	101	4	6			77	5	3			63	6	0			52	2	2		
12	100	1	5			77	2	2			65	4	2			*52				
13	97	4	4			77	5	3			65	4	2			52	2	2		
14	97	6	2			76	4	1			65	4	2			*52				
15	97	2	2								*66									
16	*99					*77					*65					*52				
17	99	6	2			76	8	2			65	2	2			54	6	4		
18	102	5	5			75	6	2			65	2	2			54	4	2		
19	105	5	5			*77					65	4	2			54	5	2		
20	105	5	6			77	6	4			65	4	0			54	4	6		
21	105	6	4			78	4	5			65	4	2			54	2	4		
22	109	2	7			*78					67	2	4			54	2	4		
23	107	4	4			79	4	4			65	3	2			54	4	6		

Hour (LST)	2.5 Fam	Du	Dℓ	Vdm	Ldm	5 Fam	Du	Dℓ	Vdm	Ldm	10 Fam	Du	Dℓ	Vdm	Ldm	20 Fam	Du	Dℓ	Vdm	Ldm
00	25	5	2			*31					25	4	4			29	0	2		
01	25	2	0			*32					23	4	8			29	0	2		
02	27	0	4			*27					23	2	6			29	0	2		
03	25	4	2			*26					21	4	2			29	0	2		
04	27	2	2			*26					*21					19	0	2		
05	25	4	2			*27					*21					17	2	0		
06	25	2	2			*23					*21					17	2	0		
07	25	2	2			*26					*22					19	0	2		
08	25	2	2			*27					*21					19	0	2		
09	25	2	4			*24					*19					19	0	2		
10	25	2	4			*24					*21					19	0	2		
11	23	4	0			28	1	9			*21					19	0	2		
12	25	2	2			*29					22	1	2			19	0	2		
13	25	2	2			28	4	4			23	2	2			19	2	0		
14	25	2	2			31	2	8			24	1	4			19	0	1		
15	25	2	2			42	5	7			23	2	0			19	2	2		
16	27	2	4			33	4	8			25	0	4			19	0	2		
17	27	0	2			35	6	2			27	2	4			19	0	2		
18	25	2	0			*27					*29					19	0	2		
19	27	2	2			*48					*25					19	0	2		
20	27	2	2			*37					27	2	4			19	1	2		
21	25	4	0			*34					25	6	6			19	0	2		
22	27	0	2			*34					*27					29	0	2		
23	27	0	2			*38					*25					19	1	2		

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Cook, Australia Lat. 30.6 S Long. 130.4 E Month June 1960

Frequency (Mc)

Hour (LST)	.031 Fam	Du	Dℓ	Vdm	Ldm	.051 Fam	Du	Dℓ	Vdm	Ldm	.160 Fam	Du	Dℓ	Vdm	Ldm	.545 Fam	Du	Dℓ	Vdm	Ldm
00	155	1	10	6.0	10.0	122	4	6	*7.0	*12.0	98	6	4	8.0	14.5	78	6	6	6.0	11.0
01	155	2	3	*5.5	*10.0	124	2	6	7.0	12.0	98	6	4	6.5	11.0	78	4	6	6.5	13.0
02	155	1	2	6.0	10.5	124	2	8	*6.0	*10.5	100	2	4	*6.5	*12.5	76	6	4	6.0	11.0
03	155	2	4	6.5	10.5	124	4	8	*6.5	*11.0	100	2	4	6.5	11.0	77	5	5	7.0	13.0
04	155	0	15	5.5	10.5	124	4	6	*7.0	*11.0	100	6	4	7.0	11.5	80	2	8	*6.5	*11.0
05	153	2	11	6.5	10.5	122	6	6	*7.5	*13.0	98	4	4	7.0	13.0	76	6	4	*8.0	*14.5
06	153	2	9	6.0	10.5	122	6	6	*7.5	*12.0	98	4	6	8.0	13.5	62	14	5	*9.5	*14.5
07	155	0	18	*7.5	*12.5	116	4	4	7.5	13.5	72	6	4	*9.5	*14.5	44	12	6	*6.0	*10.0
08	149	4	8	7.5	12.5	110	2	4	10.0	16.0	60	8	4			41	9	3	*2.5	*4.0
09	149	2	7	*8.5	*14.0	104	4	4	*11.0	*16.0	62	10	6	*7.5	*9.0	50	4	10	*2.5	*4.0
10	147	4	7	9.5	15.5	104	4	4	*12.0	*17.0	62	8	6	*2.5	*4.5	52	2	11	*2.5	*5.0
11	147	4	3	10.5	17.0	106	5	4	12.0	19.0	64	5	7	*4.5	*6.5	54	2	10	*2.5	*5.0
12	149	2	9	*12.0	*17.0	108	6	6	*12.0	*18.5	64	8	4	*3.5	*6.0	54	2	5	*3.0	*5.0
13	147	4	6	*10.5	*17.0	107	3	7	*11.5	*17.5	64	8	2	*4.5	*7.0	54	4	3	*3.0	*5.5
14	148	4	5	10.5	16.5	110	4	6	*12.0	*19.0	66	6	6	*3.0	*4.5	54	2	8	2.5	4.0
15	149	2	3	10.5	16.0	108	7	6	*11.0	*16.5	66	14	6	*2.5	*13.5	50	6	10	*2.0	*4.0
16	*149			*10.0	*16.0	108	4	7	*8.0	*12.0	72	12	10	*10.0	*16.5	56	7	4	*2.0	*5.0
17	150	3	3	9.0	15.0	110	6	4	*11.0	*17.0	84	8	10	*13.5	*25.0	70	10	7	*6.0	*13.0
18	150	3	5	8.5	14.0	114	4	4	13.0	20.0	88	4	10	*14.0	*21.0	74	8	6	*6.5	*12.5
19	153	2	4	7.5	12.5	118	4	4	11.0	17.5	92	5	5	10.5	19.0	78	4	6	*8.5	*15.0
20	153	4	2	8.0	13.0	120	2	4	10.0	16.5	94	6	2	*9.5	*16.5	78	9	4	*7.0	*13.0
21	153	4	0	7.5	12.0	120	4	4	*7.0	*12.5	96	7	4	8.0	15.0	80	12	6	*7.5	*14.0
22	153	4	2	7.0	11.5	122	2	4	*7.5	*14.0	96	4	6	*6.5	*12.5	76	11	2	*7.5	*14.0
23	155	2	4	6.0	10.5	122	4	4	7.5	12.5	96	6	4	8.0	14.5	78	6	6	*7.0	*12.5

Hour (LST)	2.5 Fam	Du	Dℓ	Vdm	Ldm	5 Fam	Du	Dℓ	Vdm	Ldm	10 Fam	Du	Dℓ	Vdm	Ldm	20 Fam	Du	Dℓ	Vdm	Ldm
00	54	5	4	6.0	9.5	49	2	4	5.0	9.0	39	4	3	5.0	7.0	22	2	0	*1.5	*3.0
01	54	4	4	5.5	9.5	45	5	2	*5.0	*8.0	40	2	3	4.0	6.5	22	2	0	*1.0	*2.5
02	53	4	3	*4.5	*8.5	47	4	4	4.0	8.0	39	2	4	*3.5	*6.0	22	2	2	*1.0	*2.5
03	56	5	2	5.5	10.0	47	2	2	4.0	8.0	37	2	2	2.5	4.5	22	2	0	2.0	3.0
04	56	3	4	5.0	9.5	47	2	4	4.5	8.0	35	4	2	*4.0	*6.5	22	2	0	*1.0	*2.5
05	48	6	4	5.0	9.0	47	4	2	4.5	8.0	36	4	3	4.0	6.0	22	2	0	1.5	3.0
06	48	3	5	4.0	8.0	49	1	5	4.5	8.0	33	4	2	*2.5	*3.5	22	2	2	*1.5	*2.5
07	42	5	6	*6.0	*11.0	43	2	5	4.0	7.5	33	2	4	*3.0	*5.0	22	2	0	*2.0	*3.0
08	24	5	4	*8.5	*11.0	25	4	2	*3.0	*5.5	29	3	3	3.5	5.0	22	1	2	2.0	3.0
09	22	5	2	*2.5	*4.0	21	4	6	3.0	5.0	25	5	3	*4.0	*7.0	22	0	2	2.5	4.0
10	24	6	4	*4.0	*5.5	23	2	8	*2.5	*4.0	27	2	4	*3.0	*5.0	20	2	2	2.5	4.5
11	22	9	2	*2.5	*4.0	19	6	6	*1.5	*3.5	25	8	6	*2.5	*4.5	21	1	3	3.0	4.5
12	20	3	0	*2.5	*4.5	25	3	11	*6.5	*11.5	25	8	6	*2.5	*4.0	20	4	2	2.0	3.5
13	22	2	2	*2.0	*3.5	21	8	8	*3.0	*4.5	25	6	4	*2.5	*5.5	20	6	2	3.0	5.0
14	22	2	2	*2.0	*4.0	21	8	8	*2.5	*3.5	27	7	6	*4.0	*6.0	20	6	0	*2.0	*3.5
15	22	4	2	*10.5	*12.5	23	14	7	*2.5	*4.5	30	5	3	*3.5	*5.0	22	8	2	2.5	4.5
16	26	4	4	*5.0	*9.0	27	4	2	*3.5	*6.5	35	5	2	*4.0	*7.5	22	3	2	2.5	3.5
17	35	4	6	*7.5	*12.0	39	4	6	4.5	8.0	37	2	4	*3.5	*6.5	24	2	2	2.5	4.0
18	40	6	8	8.0	14.0	41	3	3	4.5	8.5	37	3	2	3.0	6.0	24	1	4	1.5	3.0
19	46	2	7	7.0	12.0	51	4	8	*7.0	11.5	39	3	2	4.5	8.0	22	2	0	*1.0	*2.5
20	50	2	5	6.0	11.0	53	6	4	*6.5	11.5	41	1	4	*4.0	*6.5	22	2	2	*1.5	*3.0
21	52	3	4	5.0	10.0	57	4	6	*7.0	11.5	39	2	2	3.0	5.5	22	2	2	1.5	3.0
22	54	2	6	5.0	9.0	59	2	8	*5.0	10.0	39	2	4	3.0	5.5	22	2	0	*1.5	*2.5
23	54	4	4	5.0	9.5	53	7	8	5.0	10.0	39	4	3	*3.5	*6.0	22	2	0	*2.0	*2.5

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Cook, Australia Lat. 30.6 S Long. 130.4 E Month July 19 60

Frequency (Mc)

Hour (LST)	.013					.051					.160					.545				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	155	10	6	7.0	12.0	123	13	3	8.5	16.0	99	14	5	7.5	12.5	79	14	4	7.5	14.0
01	155	10	5	7.5	12.5	125	8	4	*8.0	*13.5	99	14	4	7.5	12.5	79	13	6	*7.0	*14.5
02	155	10	8	8.0	13.0	125	9	5	*7.5	*13.0	99	15	4	*9.5	*15.5	77	12	4	7.0	13.0
03	153	12	6	6.5	11.5	125	10	6	*8.0	*13.0	99	14	6	7.5	14.5	77	10	6	7.0	13.5
04	155	10	6	8.0	13.5	125	9	6	*7.0	*11.0	97	11	2	*7.5	*13.0	79	8	9	*6.0	*11.5
05	155	10	6	8.5	14.0	123	11	6	8.5	12.5	97	13	5	*9.0	*15.5	79	13	6	*7.0	*12.0
06	153	11	4	*7.0	*11.5	123	9	6	8.0	13.5	95	15	6	*8.5	*17.5	63	15	10	*13.0	*18.5
07	153	12	4	7.5	12.0	116	8	5	9.0	14.0	75	18	9	*5.0	*9.5	43	20	4	*7.0	*17.5
08	149	12	7	*8.0	*14.0	111	12	6	10.0	15.5	63	32	6	*18.0	*25.5	41	22	2	*4.0	*6.0
09	149	10	6	*9.5	*14.5	111	10	9	*12.5	*20.0	63	40	6	*6.5	*9.5	51	21	12	*2.5	*4.0
10	149	12	4	*12.0	*18.5	111	10	10	*14.5	*21.0	63	32	4	*4.0	*6.5	51	9	10	*2.0	*3.0
11	147	13	6	*11.0	*17.0	109	12	8	*13.0	*22.0	64	10	5	*16.5	*22.0	53	4	12	*3.0	*5.0
12	147	12	7	*11.0	*17.5	112	6	10	*13.0	*20.0	65	10	4	*3.0	*5.0	53	6	2	2.0	4.0
13	149	10	6	*12.0	*18.5	111	9	4	*12.5	*21.0	65	32	4	*12.0	*19.0	55	15	5	3.0	4.0
14	149	12	6	*9.0	*15.5	111	13	2	*11.0	*17.0	66	25	5	*2.5	*4.5	*51			*2.5	*5.0
15	151	10	2	*10.0	*15.5	113	11	6	*11.0	*17.5	71	26	10	*11.5	*19.0	*51			*3.5	*6.0
16	*153			*8.5	*14.0	*113			*10.5	*16.0	78	17	13	*9.5	*14.0	50	22	7	*9.5	*16.5
17	151	11	4	6.5	12.5	111	11	4	10.0	15.5	84	20	11	*12.5	*21.0	71	13	9	*7.5	*13.5
18	151	11	2	8.0	13.5	117	13	3	*12.5	*19.0	95	17	7	*12.5	*20.5	78	12	9	*7.0	*10.0
19	153	10	3	8.0	12.0	123	6	4	10.5	17.5	97	16	5	9.0	17.0	79	11	5	*6.0	*9.0
20	155	10	4	8.0	12.5	125	8	4	8.5	14.5	99	15	4	6.5	12.5	81	12	7	6.5	11.5
21	155	10	3	8.0	13.0	125	9	5	8.0	13.0	97	16	4	*7.5	*12.5	83	11	8	*8.0	*15.5
22	155	10	4	7.5	12.5	125	12	6	8.0	13.5	97	16	2	8.5	14.5	79	14	6	*7.5	*13.5
23	155	12	3	8.0	12.5	123	12	4	*8.0	*14.5	101	13	7	*9.0	*15.5	79	16	5	*8.0	*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	54	12	4	7.5	11.5	47	7	2	5.5	7.5	41	7	3	4.0	7.0	23	2	0	*1.5	3.0
01	54	11	2	5.5	8.5	49	6	4	6.5	10.0	41	6	3	*3.0	*6.0	24	1	3	*1.5	2.5
02	52	11	1	*5.0	*8.5	49	4	4	6.5	9.5	41	3	4	*4.0	*6.0	25	0	2	*1.5	2.5
03	52	9	2	6.0	9.5	49	4	5	5.0	7.5	42	3	6	*4.0	*6.0	24	1	1	1.5	3.0
04	52	8	3	6.0	9.5	49	4	5	5.5	10.5	39	6	5	*6.0	*8.0	23	2	2	*1.5	3.0
05	52	8	6	6.0	9.0	47	4	5	4.5	8.0	39	4	7	*3.0	*6.5	23	0	2	*4.5	7.5
06	48	9	5	*9.0	*10.5	47	4	6	6.0	8.5	35	6	4	*5.0	*6.5	23	2	3	*1.5	2.5
07	42	13	14	*5.5	*8.0	43	4	6	*5.0	*7.0	35	6	2	*2.5	*7.0	23	2	2	*1.5	2.5
08	22	12	2	*5.5	*7.5	25	13	3	*5.0	*7.5	33	8	6	*6.0	*7.5	23	4	2	2.0	3.5
09	22	18	2	4.5	7.5	23	15	6	*7.5	*9.5	33	12	8	*5.0	*7.0	23	8	2	*2.0	*3.5
10	20	16	0	*2.5	*4.0	24	11	9	*2.5	*3.5	31	12	10	*3.5	*5.0	21	6	0	*2.0	*2.5
11	22	8	2			25	8	8	*3.0	*4.0	35	9	16	*5.0	*7.5	23	2	4	*2.5	*4.5
12	20	11	0	*3.5	*5.0	27	11	11	*2.5	*4.0	33	12	14	*3.5	*6.0	23	4	4	*2.0	*4.0
13	20	14	0	*3.0	*4.5	29	7	10	*4.5	*6.0	35	10	14	*3.0	*5.0	23	4	2	*1.5	*3.0
14	22	9	2	*2.5	*4.0	29	7	6	*3.0	*6.5	35	9	12	*4.0	*6.5	25	2	4	*3.0	*4.0
15	22	10	2	*4.0	*5.5	29	9	8	*2.0	*4.5	37	8	4	*4.0	*7.0	*25			*2.0	*3.5
16	*32			*6.0	*10.0	*33			*4.5	*8.0	39	4	4	*3.0	*6.5	27	2	2	*3.0	*6.0
17	38	9	9	*8.5	*11.0	41	7	8	4.5	9.0	43	6	6	5.0	8.5	27	3	4	*2.5	*4.0
18	46	14	7	10.0	14.5	43	11	5	6.0	9.0	41	4	4	4.5	7.5	25	4	2	*1.5	*3.5
19	50	14	6	8.0	13.0	49	8	6	*7.0	*11.5	43	1	4	4.5	7.5	25	2	2	*1.5	*3.0
20	50	14	2	7.0	12.0	52	8	5	*8.0	*14.5	43	1	6	3.5	6.0	23	2	0	*1.5	*3.0
21	52	14	4	*5.0	*12.5	53	8	2	*6.5	*11.0	41	4	4	*4.0	*8.0	23	2	2	1.5	3.0
22	57	16	1	*7.0	*11.5	57	7	6	*5.5	*11.5	41	3	4	3.5	6.0	23	4	2	*2.0	*3.0
23	54	13	4	*5.0	*8.5	50	13	5	7.5	11.0	41	4	4	*3.5	*6.5	23	2	1	*1.5	*3.0

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Cook, Australia Lat. 30.6 S Long. 130.4 E Month August 1960

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	0	4	6.0	10.5	121	4	5	7.0	12.5	98	8	6	7.5	14.0	76	8	4	6.0	12.0	52	8	4	6.5	11.0	48	11	2	6.5	11.0	41	7	3	3.5	7.0	25	0	2	1.5	3.0
01	152	2	4	5.5	10.0	123	2	5	6.5	11.5	98	9	5	6.5	14.0	78	5	4	5.5	11.5	53	8	5	5.5	10.0	50	8	4	5.0	10.0	41	5	2	3.0	6.0	25	0	2	1.5	3.0
02	152	2	4	5.5	10.0	123	4	4	6.0	11.0	100	7	8	6.5	13.0	78	4	6	5.5	11.5	53	6	6	6.0	11.5	50	8	2	5.5	9.5	41	3	4	3.0	6.0	23	2	0	2.0	3.0
03	152	2	2	6.0	10.0	123	4	5	6.0	11.0	98	8	6	6.5	13.0	78	2	7	5.5	12.5	53	3	6	5.5	10.0	50	7	4	*6.0	*11.0	41	5	5	3.5	6.5	23	2	0	*2.0	*3.0
04	152	2	5	5.5	10.0	123	2	4	5.5	10.0	98	6	5	7.0	14.5	80	2	6	*7.0	*14.0	51	4	4	5.5	11.5	50	6	4	5.5	9.0	39	5	6	2.5	5.0	23	0	6	*1.0	*2.5
05	152	2	7	6.0	11.5	121	2	2	6.0	10.5	96	4	5	5.5	11.0	74	6	4	*5.0	*10.0	51	4	5	6.5	12.0	48	7	2	4.5	8.0	37	4	6	4.0	6.5	23	0	6	*1.0	*2.5
06	152	0	5	6.0	11.0	119	4	2	6.5	11.5	96	2	8	*6.5	*12.0	56	8	8	*5.5	*8.0	47	3	7	5.0	9.0	48	2	4	4.0	8.0	37	3	4	3.5	6.0	23	4	6	*1.5	*2.5
07	148	4	6	6.5	11.0	120	2	4	6.5	12.0	64	9	5	*8.5	*13.5	42	9	2			35	4	9	*6.5	*9.5	35	5	5	*6.5	*8.5	33	4	2	3.5	6.0	23	4	0	*1.5	*3.0
08	145	3	3	6.5	11.5	109	4	6	7.0	12.0	58	17	2	*6.0	*6.5	40	15	0	*4.5	*4.5	23	5	4	5.5	8.0	24	4	7	5.0	7.5	29	2	4	4.0	6.0	25	6	3	*5.0	*5.0
09	144	4	20	*7.0	*13.0	105	6	12	*8.5	*14.0	60	14	4	*8.5	*13.5	48	10	8	*3.5	*6.0	21	11	2	*7.0	*12.0	22	8	8	5.0	8.0	25	6	5	3.5	6.0	25	5	2	*2.0	*5.0
10	144	4	4	*7.5	*13.0	105	8	6	*10.0	*18.5	60	7	3	*4.5	*7.0	50	10	10	*2.0	*3.0	23	10	4	*2.0	*4.0	22	7	6	*2.5	*4.0	24	7	9	3.5	6.0	25	2	6	*1.5	*4.5
11	144	3	4	9.0	14.0	105	7	3	*11.0	*19.5	62	7	4	*5.0	*7.0	50	11	5	*7.5	*3.5	19	12	0	2.5	4.5	23	12	7	*2.5	*4.5	23	12	8	*2.5	*5.5	23	8	4	*2.0	*3.5
12	143	4	5	*10.0	*17.0	107	6	7	*11.0	*20.0	64	6	4	*2.0	*4.5	50	4	2	*2.0	*4.0	19	10	0	*2.5	*4.0	22	10	6	*2.0	*4.0	23	14	6	2.5	6.0	23	4	4	*2.0	*3.5
13	144	2	6	*9.5	*16.0	107	7	4	10.0	18.0	62	5	3	2.5	4.0	52	3	7	2.5	4.0	19	8	0	*2.5	*4.0	24	9	8	*5.0	*7.0	25	10	10	*4.5	*8.0	25	2	2	*3.5	*8.0
14	144	4	4	*9.0	*15.5	109	5	6	9.0	16.5	62	14	3	*6.0	*10.0	52	4	7	1.5	3.5	21	11	2	*4.0	*6.0	22	10	4	*3.0	*4.5	26	11	9	*10.0	*12.5	25	4	2	*2.5	*3.5
15	146	2	4	*8.0	*16.0	109	8	6	*9.0	*16.0	*64			*2.5	*14.5	*52			*3.0	*5.0	21	8	2	*2.5	*4.0	24	5	5	*4.0	*6.5	29	8	10	*8.5	*12.0	*25			*2.0	*4.0
16	*141			*8.0	*14.0	*111			*6.0	*12.5	66	12	5	5.5	8.5	46	12	4	*3.5	*4.5	*26			*5.0	*8.0	*26			*4.0	*7.0	37	5	4	5.0	8.0	27	4	2	*6.0	*9.0
17	148	2	4	7.5	13.5	107	7	2	6.5	12.5	74	23	5	10.5	16.0	68	8	8	*4.5	*11.0	34	7	6	*7.0	*12.0	38	8	6	4.0	7.0	41	6	5	4.5	8.0	27	6	2	*2.0	*4.0
18	148	2	4	7.0	12.5	111	6	9	8.0	16.0	84	12	7	*9.0	*17.0	68	10	10	*7.5	*12.0	53	11	5	11.0	17.0	46	6	7	*6.0	*8.5	41	4	2	3.0	5.5	31	8	4	*3.0	*5.0
19	150	2	4	7.5	12.0	120	0	10	8.5	15.0	90	12	6	9.0	15.0	76	6	4	*5.0	*11.0	48	9	5	6.5	12.0	54	6	4	7.5	12.5	43	7	4	4.0	6.5	29	6	4	*2.0	*5.0
20	152	2	13	6.5	11.5	119	2	4	*7.0	*13.0	94	8	6	*7.5	*13.5	76	7	4	*4.0	*8.0	51	10	5	5.5	10.0	56	4	6	7.0	12.0	41	8	2	3.5	6.5	25	6	0	*2.5	*3.0
21	150	3	3	*7.0	*11.5	121	4	6	7.5	13.0	94	7	4	6.5	14.5	80	6	4	*6.0	*12.0	51	10	4	5.5	11.0	56	5	6	6.0	10.0	43	6	4	4.5	7.0	25	1	1	1.5	3.0
22	150	2	2	6.5	11.5	121	5	6	7.5	14.5	96	9	6	9.0	15.0	76	7	5	*7.5	*13.5	53	6	6	6.0	11.5	58	7	8	*5.5	*9.5	43	5	4	4.5	7.5	25	1	2	1.5	3.0
23	150	2	4	6.0	10.0	121	4	4	7.5	14.5	96	7	4	7.5	14.0	76	7	4	*6.0	*12.0	53	8	4	6.0	11.5	50	12	5	4.0	8.0	43	6	4	3.5	7.0	25	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 Enkoping, Sweden Lat. 59.5 N Long. 17.3 E Month June 19 60

Hour (LST)	Frequency (Mc) .051										**.246					.545					2.5					5					10									
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	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	125	4	6	10.0	17.0						91	10	8	7.5	14.0	75	8	6	5.0	12.5	59	8	4	5.0	10.0	58	6	4			44	6	2	4.0	8.0					
01	121	10	4	8.0	15.5						87	8	10	8.0	15.0	69	12	8	6.5	13.0	57	8	6	*4.5	*10.0	56	4	2	*5.5	*11.0	44	4	4	4.5	8.0					
02	119	6	4	*8.5	*15.5						75	10	8	*6.0	*11.0	53	12	4	5.5	8.5	55	6	6	*6.0	*11.0	54	5	4	*6.0	*11.0	44	8	6	4.0	7.0					
03	117	6	4	*8.0	*15.5						59	11	2	*5.0	*10.0	49	12	4	5.0	8.0	45	8	4	*6.0	*9.0	50	4	6	*4.0	*7.5	43	5	3	4.5	7.0					
04	115	8	8	*11.5	*19.0						57	21	0	*9.0	*17.0	53	12	6	12.5	15.0	35	9	8	*3.0	*6.0	42	6	6	*4.5	*8.5	44	8	8							
05	115	8	9	*13.0	*21.0						67	10	10	*5.0	*7.5	51	5	4	3.5	5.5	32	8	8	*3.5	*5.5	36	10	4	*3.5	*5.0	40	11	9	4.5	6.5					
06	115	6	9	15.0	21.0						*61			*3.0	*5.0	49	7	2	8.0	10.0	30	3	9	*3.0	*5.0	32	8	6	*3.5	*7.0	42	12	5							
07	113	8	6	*13.0	*19.0						*64					54	8		6.0	10.0	31	5	6	*4.0	*6.0	30	5	4	*4.5	*8.5	48	4	10							
08	116	5	7	7.0	16.5											53	6	4	5.0	7.5	31	3	6	*2.0	*4.0	30	3	8	*4.0	*6.5	*42									
09	*116			*8.0	*15.0											*53			2.0	4.5	*29			*4.0	*6.5	*28			*7.5	*14.0	*36									
10	*121			*13.0	*22.0											*58			7.0	16.0	*31			*6.0	*8.5	*28			*9.0	*14.5	*42									
11	129	6	8	*11.5	*19.0											*66			7.5	15.5	*38			*4.0	*3.5	*32			*6.5	*9.5	*43									
12	129	8	6	*7.0	*13.5											69	23	16	10.0	20.0	35	12	4	*0.5	*0.5	30	14	6	*7.0	*10.5	45	9	6	8.0	13.0					
13	129	8	5	8.5	15.0											71	23	19	9.0	19.0	37	16	7	*3.5	*6.0	36	6	10	*5.0	*8.5	49	3	7	6.5	12.5					
14	129	10	4	7.5	12.5											67	17	16	6.5	15.0	41	14	10	*3.0	*5.0	38	8	8	*5.0	*8.5	48	7	6							
15	130	7	6	*8.0	*14.0						*75					73	20	20	8.0	16.0	42	11	9	*3.5	*5.0	40	7	9	*5.5	*10.0	48	5	4							
16	131	6	6	8.0	13.5											65	18	14	7.5	16.0	41	14	8	*3.0	*6.0	42	8	6	6.0	10.5	48	7	5	0.5	0.5					
17	129	6	6	7.5	13.0											64	23	13	16.0	20.0	43	14	8	*4.0	*5.5	44	8	8	*5.5	*10.5	46	5	3	5.0	9.5					
18	127	8	6	*8.5	*14.5											60	18	8	8.0	15.5	43	15	4	*2.5	*4.0	48	6	8	*4.0	*8.5	50	4	4	4.5	8.0					
19	125	6	4	*6.5	*13.0											61	7	6	1.0	3.0	45	4	6	*2.5	*4.5	51	3	5	2.5	6.0	50	2	2	3.5	7.0					
20	123	6	4	8.0	16.0											69	8	8	2.5	4.5	47	6	8	*4.0	*7.5	56	4	4	4.0	8.0	50	4	2	4.5	9.0					
21	123	8	4	7.0	14.5											80	9	5	3.0	7.5	57	4	8	3.0	6.0	60	4	4	*3.0	*7.0	50	2	4	4.5	8.0					
22	125	8	6	8.5	14.5											81	8	4	7.5	12.5	61	6	6	*3.0	*7.0	60	4	4	*3.0	*8.0	48	4	4	4.5	9.0					
23	125	8	8	7.0	14.0											78	7	4	5.5	11.0	61	6	6	*4.5	*9.0	60	4	6	*3.5	*7.5	47	3	5	3.0	8.0					

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

**Interference Kalungborg Broadcast Station from 0008 through 1400 and from 1600 through 2300.

MONTH-HOUR VALUES OF RADIO NOISE

Station Enkoping, Sweden Lat. 59.5 N Long. 17.3 E Month July 1960

Hour (LST)	Frequency (Mc) .051										**.246					.545					2.5					5					10									
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	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	127	8	8	9.5	16.0						94	10	11	8.5	14.5	78	14	7	*6.5	*10.5	63	8	5	*7.0	*12.0	59	6	4	5.5	9.0	47	8	8	*5.0	*7.0					
01	127	6	10	10.0	17.0						90	14	13	8.0	16.0	74	16	9	*5.0	*9.0	61	9	10	6.5	12.0	57	6	6	4.5	8.5	45	7	7	*5.0	*8.5					
02	125	9	11	9.5	17.0						82	18	12	*8.0	*13.0	66	15	11	8.0	13.0	59	8	12	8.0	14.0	53	9	4	4.5	8.0	43	6	5	*3.0	*6.0					
03	123	10	10	12.0	19.5						68	31	10	*10.5	*17.0	54	26	6	*6.0	*9.0	51	9	13	7.0	11.0	49	8	6	*3.5	*7.0	41	4	6	*5.5	*8.0					
04	123	9	11	13.0	20.5						66	21	10	*8.5	*16.0	55	20	6	*2.0	*4.0	37	14	12	7.5	10.0	41	11	6	5.5	9.0	43	6	8	*5.0	*7.0					
05	121	5	12	14.0	23.0						72	19	11	*7.0	*10.0	54	18	5	*3.5	*7.0	32	8	9	*7.0	*9.0	35	11	5	*8.0	*12.5	45	10	8							
06	121	5	17	14.0	23.0						*62			*3.0	*6.0	54	20	4	*4.0	*6.0	31	7	8	7.0	10.5	33	8	6	*6.0	*10.5	48	14	10							
07	120	9	13	*13.0	*23.5						*65			*7.5	*10.5	56	17	7	*2.0	*4.0	31	6	5	4.5	7.0	29	11	4	5.0	10.0	51	10	10							
08	121	7	9	12.5	22.0											54	26	2	*6.0	*8.0	29	9	2	6.0	8.5	29	14	6	*6.0	*10.0	42	11	8							
09	123	7	8	*10.0	*17.0											58	19	8	*2.0	*5.0	31	18	6	*5.0	*7.0	30	6	8	*8.0	*12.0	*41									
10	125	6	8	*9.0	*16.5											58	21	8	*3.5	*6.5	31	6	4	*8.0	*10.0	29	6	6	*8.0	*13.0	*41									
11	126	9	7	*9.0	*16.0											67	18	17	*6.0	*10.0	31	13	4	*4.5	*9.5	31	6	4	*7.5	*12.5	*43									
12	128	8	3	*9.0	*15.5											67	21	13	*4.0	*7.5	35	22	8	*6.5	*12.0	33	9	10	*5.5	*9.5	41	9	6	*6.0	*11.0					
13	130	7	4	*9.0	*17.0											72	18	18	*6.0	*13.0	35	18	5	*6.0	*10.0	35	9	12	*8.5	*14.0	45	10	4	*5.5	*10.0					
14	131	6	4	9.0	15.0											72	18	12	*8.0	*16.0	37	11	6	*5.5	*8.5	37	10	10	*6.5	*11.0	46	16	6							
15	131	6	4	9.5	15.5						*72					71	20	12	*8.5	*13.0	41	14	8	*4.0	*6.0	39	10	10	7.0	12.0	49	8	8	*6.0	*10.0					
16	131	7	4	8.5	16.0											72	18	14	*5.5	*12.0	39	22	5	*5.0	*9.0	42	11	9	6.0	10.5	51	10	10	*3.5	*7.0					
17	129	8	2	10.0	16.5											72	12	12	*7.0	*12.0	39	13	4	*3.0	*5.5	47	5	8	5.0	10.0	49	10	6	*6.0	*10.0					
18	129	9	4	10.5	17.5											66	20	10	*6.0	*10.5	45	11	7	3.0	5.0	48	7	5	5.0	9.5	49	11	6	*6.0	*9.0					
19	127	9	5	9.5	17.5											68	24	6	*4.0	*7.5	46	11	7	4.5	7.5	53	6	10	4.5	8.0	53	20	8	*3.5	*6.0					
20	127	12	6	10.0	18.5											73	18	4	*5.0	*8.5	53	10	11	5.0	10.0	57	6	7	*4.0	*8.0	51	16	8	*3.0	*6.0					
21	127	14	10	10.0	17.0											82	13	9			59	12	9	*4.5	*8.0	61	7	7	4.5	9.0	51	6	7	*3.0	*5.0					
22	127	13	8	10.0	16.5											82	17	6	*4.0	*9.0	63	9	9	*5.5	*9.5	61	5	6	4.0	8.0	49	5	6	*3.0	*8.0					
23	128	11	8	10.0	16.5						*78					80	9	8	*5.0	*8.0	65	9	9	7.0	11.0	59	7	4	3.5	7.0	47	8	6	*2.5	*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

**Interference Kalungborg Broadcast Station from 0800 through 1400 and from 1600 through 2200.

MONTH-HOUR VALUES OF RADIO NOISE

Station Enkoping, Sweden Lat. 59.5 N Long. 17.3 E Month August 19 60

Frequency (Mc)

Hour (LST)	.051 Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	128	6	5	10.0	15.5					
01	127	4	9	*9.0	*15.5					
02	127	4	8	11.5	18.0					
03	125	4	6	11.0	16.0					
04	121	6	6	14.0	20.0					
05	121	4	10	*14.5	*20.0					
06	119	4	8	*15.0	*22.5					
07	119	6	10	*15.0	*21.5					
08	119	6	8	12.0	20.0					
09	*119			*8.0	*13.0					
10	*120			*12.0	*20.0					
11	*121			*10.0	*18.0					
12	124	8	3	*11.0	*19.0					
13	128	7	6	*9.5	*16.5					
14	127	8	4	*11.0	*17.0					
15	128	7	7	11.0	17.5					
16	127	8	4	9.5	16.0					
17	126	9	5	9.0	14.5					
18	125	10	4	10.0	16.0					
19	125	8	6	10.0	16.0					
20	125	9	3	9.0	15.0					
21	127	6	4	*9.0	*15.0					
22	128	4	5	8.5	14.5					
23	128	5	5	9.0	14.5					

Hour (LST)	**.246 Fam	Du	Dℓ	Vdm	Ldm	.545 Fam	Du	Dℓ	Vdm	Ldm
00	97	7	11	9.0	14.0	81	4	4	*7.0	*12.0
01	93	8	9	*8.0	*13.5	79	6	8	6.5	11.0
02	92	4	10	*8.0	*15.0	77	5	8	*5.0	*9.5
03	81	14	6	*14.5	*22.5	63	14	4	*7.0	*11.0
04	73	12	14	*7.5	*12.0	57	14	8	*3.0	*5.0
05	73	13	14	*10.0	*18.0	57	14	6	*2.0	*4.0
06	57					67	22	8	*5.0	*7.0
07	71					57	14	6	*4.0	*6.0
08						*55			*2.5	*4.5
09						*54				
10						*56			*6.0	*8.0
11						*63			*8.0	*11.5
12						61	22	8	*8.0	*13.0
13						73	12	19	*2.0	*2.0
14						69	20	16	*10.5	*18.0
15	78			*11.0	*18.5	69	18	16	*8.0	*14.0
16						71	16	16	*10.5	*15.5
17						71	16	16	*16.5	*23.5
18						67	18	10	*8.0	*13.5
19						75	11	6	*2.0	*5.5
20						81	9	8	*3.5	*6.5
21						83	6	6	*5.0	*10.0
22						85	6	6	*7.0	*11.0
23						83	6	8	*3.0	*6.5

Hour (LST)	2.5 Fam	Du	Dℓ	Vdm*	Ldm*	5 Fam	Du	Dℓ	Vdm*	Ldm*
00	63	6	4	6.0	11.0	56	4	5	5.0	9.0
01	61	7	7	9.5	15.0	56	6	6	8.0	12.0
02	61	6	10	9.0	16.0	56	4	6	5.0	9.0
03	57	7	4	10.0	13.0	52	8	4	6.5	11.5
04	48	10	5	10.5	16.0	48	8	4	6.0	11.0
05	39	11	9	8.0	12.0	40	11	8	8.5	12.0
06	35	6	9	6.5	10.5	37	12	8	9.5	16.5
07	34	9	6	5.5	8.0	34	11	9	6.0	9.5
08	34	6	7	6.0	15.5	32	8	8	10.0	16.0
09	*35			3.0	5.0	*26			2.0	8.5
10	*35					*28			11.0	13.5
11	*33					*28			6.0	10.0
12	35	26	4	3.0	5.0	*30			6.5	10.0
13	37	14	6	5.0	8.5	*32			5.5	9.5
14	39	12	4	6.5	10.5	*32			8.0	13.0
15	41	11	6	6.0	9.5	38	10	8	10.0	15.0
16	43	8	6	4.0	6.0	*40			6.0	11.5
17	43	8	6	4.5	7.5	44	8	6	8.0	13.0
18	47	7	6	4.0	7.0	49	7	5	4.5	8.5
19	51	10	6	4.5	8.0	*55			6.0	10.0
20	*57			4.0	8.5	59	5	5	6.0	11.0
21	63	6	10	4.0	8.0	*60			4.0	8.5
22	63	4	6	8.0	12.0	60	0	4	6.0	9.5
23	63	4	6	6.0	10.5	58	4	7	6.5	10.0

Hour (LST)	10 Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm	Ldm
00	44	2	4	6.0	9.0					
01	43	3	11	4.0	8.0					
02	41	5	10	6.5	11.0					
03	41	5	5	8.0	12.0					
04	40	10	8	6.0	10.0					
05	44	8	8	10.5	15.0					
06	40	20	9	6.0	7.0					
07	42	6	8	4.0	8.0					
08	*40									
09	*36			8.0	10.0					
10	*38									
11	*42									
12	38	9	3	6.5	11.0					
13	*42			9.0	14.0					
14	44	2	6							
15	46	6	6							
16	46	10	4	6.0	10.0					
17	48	14	4	9.0	13.0					
18	*50									
19	50	8	4	9.0	13.5					
20	48	10	4	6.5	10.0					
21	48	4	11	4.0	8.0					
22	46	6	4	4.5	7.5					
23	44	5	4	3.5	6.5					

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

**Interference Kalungborg Broadcast Station from 0800 through 1400 and from 1600 through 2300.

MONTH-HOUR VALUES OF RADIO NOISE

Station Front Royal, Virginia Lat. 38.8 N Long. 78.2 W Month June 19 60

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	116	9	5			89	10	8			76	9	7			67	6	4			48	5	3			26	2	2												
01	116	7	7			89	10	8			75	9	5			67	6	4			47	7	4			26	1	2												
02	117	4	8			89	8	8			75	8	6			67	6	4			46	5	4			26	1	2												
03	115	6	6			87	10	6			73	9	4			67	5	4			45	5	4			25	2	1												
04	114	8	7			82	7	8			73	7	7			64	5	4			44	3	4			25	2	0												
05	107	13	10			66	13	9			54	5	8			60	5	8			41	5	2			25	2	1												
06	106	8	11			66	9	12			44	10	7			48	11	7			41	7	4			25	2	1												
07	104	12	9			62	14	5			36	14	2			43	12	8			39	7	4			25	2	2												
08	100	12	8			61	14	6			28	12	1			35	13	5			37	6	3			25	3	1												
09	98	14	6			63	10	7			28	10	1			31	13	3			35	5	2			24	3	1												
10	101	11	9			64	10	7			29	11	3			31	10	3			33	5	2			24	2	1												
11	102	12	9			65	15	7			29	14	2			30	12	2			33	6	3			24	3	1												
12	106	11	11			72	15	10			32	15	4			32	12	2			33	8	2			23	3	1												
13	111	13	15			76	22	14			32	24	4			35	12	4			36	8	6			23	4	2												
14	113	15	16			75	29	13			33	31	5			38	18	9			39	8	7			25	4	3												
15	116	18	18			82	28	20			38	33	10			43	16	13			41	8	7			26	6	3												
16	115	22	18			82	30	22			47	35	14			48	17	9			44	8	5			26	9	3												
17	115	21	17			79	34	19			49	33	16			51	14	12			46	8	5			27	8	3												
18	113	20	16			78	32	20			54	26	17			59	8	13			49	8	4			27	9	2												
19	113	20	16			76	31	18			63	18	13			62	8	8			51	6	3			28	7	3												
20	115	16	14			80	28	9			74	21	9			67	7	6			52	5	3			28	7	3												
21	115	14	8			88	14	12			77	8	9			68	5	4			52	3	3			27	6	2												
22	117	10	6			88	14	11			78	6	9			67	6	3			51	3	4			26	3	1												
23	116	10	5			89	12	9			76	8	5			68	5	4			49	4	3			26	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 Front Royal, Virginia Lat. 38.8 N Long. 78.2 W Month July 19 60

Frequency (Mc)

Hour (LST)	.135 Fam	Du	Dℓ	Vdm	Ldm	.500 Fam	Du	Dℓ	Vdm	Ldm	2.5 Fam	Du	Dℓ	Vdm	Ldm
00	114	6	5			87	7	6			75	5	5		
01	114	5	4			87	6	7			75	4	6		
02	113	4	5			87	5	7			74	5	6		
03	113	4	6			87	5	9			74	5	7		
04	115	4	7			84	6	7			74	4	8		
05	105	9	7			65	10	7			53	7	4		
06	102	13	9			62	12	5			44	7	7		
07	101	13	9			63	9	4			37	5	3		
08	97	15	7			62	11	4			28	6	2		
09	99	12	8			61	13	3			28	7	2		
10	100	12	8			62	13	3			28	9	2		
11	102	11	9			65	16	5			29	13	3		
12	98	12	11			74	21	11			31	24	4		
13	110	14	9			75	27	11			31	28	4		
14	113	15	11			77	25	12			31	29	3		
15	114	14	10			82	21	17			34	28	7		
16	111	14	9			81	18	17			43	24	9		
17	112	14	11			83	23	20			45	26	10		
18	113	13	14			81	23	19			50	24	10		
19	111	14	12			78	24	16			63	11	10		
20	112	10	9			80	16	9			73	7	8		
21	114	9	6			85	9	8			74	6	4		
22	113	8	4			88	7	9			75	5	6		
23	113	5	3			88	5	8			74	6	4		

Hour (LST)	5 Fam	Du	Dℓ	Vdm	Ldm	10 Fam	Du	Dℓ	Vdm	Ldm	20 Fam	Du	Dℓ	Vdm	Ldm
00	68	3	3			51	3	6			26	2	1		
01	67	4	3			49	5	4			26	1	1		
02	67	3	4			47	6	3			26	2	1		
03	66	4	4			47	5	4			26	1	1		
04	64	3	4			45	4	5			25	1	1		
05	61	3	4			45	4	6			25	1	1		
06	49	7	4			44	3	4			25	1	1		
07	41	6	3			42	4	4			25	2	1		
08	35	6	4			40	2	3			26	2	2		
09	32	6	3			37	4	2			25	2	1		
10	30	7	2			36	3	2			25	2	1		
11	30	9	3			36	4	3			25	1	2		
12	33	6	4			37	4	3			24	2	2		
13	33	3	3			39	5	3			25	3	2		
14	37	17	4			41	6	3			26	2	2		
15	40	16	9			43	6	4			26	4	1		
16	46	14	7			46	5	2			27	3	2		
17	50	12	6			50	4	4			29	2	3		
18	60	4	6			52	5	2			29	3	3		
19	63	4	4			53	4	2			29	4	3		
20	67	4	2			54	3	3			28	3	2		
21	68	5	3			54	3	4			27	3	1		
22	69	2	4			53	3	4			27	1	2		
23	67	4	2			51	4	6			26	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 Front Royal, Virginia Lat. 38.8 N Long. 78.2 W Month August 19 60

Hour (LST)	Frequency (Mc)																																					
	.135					.500					2.5					5					10					20													
	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	113	8	6			86	10	10			72	7	6			67	6	5			46	7	2			24	1	1											
01	112	9	6			85	10	8			70	9	4			66	6	4			46	5	4			23	2	0											
02	112	10	5			85	11	8			70	9	6			66	5	5			45	5	3			23	1	1											
03	112	10	8			83	13	7			70	8	5			66	6	5			44	6	3			22	2	0											
04	112	8	8			83	13	7			71	8	5			64	5	5			45	5	5			22	2	0											
05	104	13	6			70	18	5			60	11	4			61	5	6			44	5	5			22	2	1											
06	100	13	8			65	22	10			44	19	5			51	6	7			44	3	4			22	1	1											
07	100	15	10			63	19	9			37	21	5			44	9	7			43	5	4			22	2	1											
08	97	18	9			58	14	5			28	11	3			36	11	7			40	5	4			22	2	1											
09	97	16	10			58	14	4			26	10	2			31	10	5			37	5	2			22	2	1											
10	97	18	10			59	16	5			26	16	2			29	12	6			36	5	3			22	3	2											
11	99	16	9			61	20	6			28	18	3			30	12	5			36	5	5			22	3	1											
12	103	15	12			68	18	11			35	17	9			35	15	8			37	3	6			25	3	2											
13	105	19	10			72	25	15			34	31	8			36	20	9			38	6	3			26	4	3											
14	111	17	15			78	27	21			43	28	17			41	20	13			41	7	6			26	7	2											
15	113	19	17			79	27	22			42	30	16			43	18	14			44	6	7			27	5	3											
16	113	19	15			80	28	23			44	32	16			49	15	15			44	7	5			28	4	3											
17	115	15	18			82	23	26			50	23	19			53	12	14			47	6	4			29	4	3											
18	112	18	16			80	26	24			55	19	16			58	8	6			50	3	4			30	3	4											
19	110	20	11			78	30	16			66	23	12			66	4	6			51	4	2			29	4	4											
20	113	18	7			83	23	14			71	10	9			69	4	4			51	4	3			26	3	3											
21	114	16	7			83	21	11			70	12	5			69	5	4			51	4	5			24	5	1											
22	114	10	6			87	12	11			73	8	7			69	5	4			50	4	5			24	4	1											
23	114	7	7			85	13	9			72	7	5			69	3	5			48	6	4			24	2	1											

F_{am} = medion value af effectlve antenna noise in db obave ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of medion to lower decile in db
V_{dm} = medion deviatian af average voltage in db below meon pawer
L_{dm} = median deviation af average lagarithm in db belaw meon pawer

MONTH-HOUR VALUES OF RADIO NOISE

Station Kekaha (Kauai), T. H. Lat. 22.0 N Long. 159.7 W Month June 19 60

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	152	4	2	9.0	14.5	125	8	5	12.0	20.0	99	14	7	11.0	20.0	75	12	13	*13.0	*21.0	53	10	6	7.5	12.0	58	6	6	6.5	10.5	44	4	2	2.5	5.5	23	3	0	1.5	3.0
01	154	4	4	9.5	15.5	125	7	3	12.0	20.0	100	12	8	11.0	18.0	75	13	9	11.0	20.0	55	6	8	6.5	9.5	62	4	6	7.0	13.0	44	4	2	2.5	5.5	23	4	0	2.0	3.5
02	154	3	2	10.0	16.0	127	4	4	12.0	19.0	102	6	11	13.0	22.0	75	14	12	14.0	23.5	55	5	6	6.0	9.5	62	7	6	*7.5	*13.0	44	2	2	3.0	5.5	23	3	0	1.5	3.0
03	154	4	3	10.0	16.0	127	5	3	12.0	19.5	102	7	11	12.5	21.0	75	13	12	11.0	20.5	53	8	4	9.0	15.0	64	7	4	*6.0	*10.0	44	2	3	3.5	6.5	23	2	1	1.5	3.5
04	154	2	4	11.0	17.5	127	5	3	13.0	20.5	102	7	8	12.0	21.0	75	14	13	11.5	21.0	55	6	7	8.5	13.0	56	6	10	5.5	9.0	42	4	2	4.0	6.5	23	0	0	1.5	3.0
05	154	3	3	11.5	18.0	129	2	4	12.5	20.5	102	6	10	13.0	22.0	69	14	12	11.5	17.5	55	6	6	6.5	11.5	50	6	4	4.5	7.5	42	2	3	4.0	7.0	23	0	2	1.5	3.0
06	152	5	3	12.5	19.0	119	6	4	12.0	20.0	78	14	8	*14.0	*20.0	53	14	2	*3.5	*5.0	49	10	5	6.0	9.5	48	6	4	6.5	11.0	38	4	2	2.5	5.0	23	1	2	2.0	3.5
07	150	2	2	12.0	19.0	113	6	5	13.0	21.0	72	10	14	8.0	11.0	55	10	6	3.0	4.0	39	10	4	4.0	6.5	36	6	5			34	2	2	4.5	7.5	23	1	2	2.5	4.0
08	150	3	4	11.0	17.0	105	13	5	13.0	21.0	64	30	7	*8.5	*12.0	52	11	5	*5.0	*7.0	35	4	2	2.5	4.5	32	6	10	*6.5	*9.0	28	2	4	3.0	5.0	21	1	2	2.0	3.5
09	150	2	4	10.5	16.0	105	12	6	16.0	21.5	68	19	11	*17.5	*25.0	53	8	6	2.5	4.5	33	7	2	2.5	4.0	22	6	4	2.0	4.0	22	8	3	*3.5	*6.0	21	4	2	2.0	4.0
10	150	2	4	10.0	15.5	108	8	6	10.5	16.0	64	20	6	12.0	14.5	53	9	4	3.5	6.5	33	2	4	3.0	4.5	24	4	4	*5.0	*7.0	20	8	6	*2.0	*4.0	19	2	1	2.5	3.5
11	150	2	4	9.5	14.5	109	8	6	10.0	15.0	64	18	6	*10.0	*16.0	53	4	6	2.5	4.5	33	2	2	2.5	4.0	26	3	5	*3.0	*5.0	18	9	4	*4.0	*7.0	19	2	2	2.0	3.5
12	150	2	4	10.5	15.0	111	6	9	11.0	15.0	66	20	8	*12.0	*14.0	53	4	6	2.5	4.5	33	2	2	*3.0	*5.0	24	4	4	*3.5	*5.5	18	8	4	*1.0	*3.0	19	1	2	2.5	3.5
13	150	2	4	9.0	14.5	110	7	6	11.0	16.0	64	19	5	*10.5	*13.5	53	4	5	3.0	4.5	33	4	4	2.5	4.5	24	2	4	*4.5	*6.0	20	4	6	*1.0	*3.0	19	2	0	2.5	4.0
14	150	2	4	9.0	14.5	109	8	7	11.5	17.0	64	15	8	*9.0	*12.0	51	16	4	3.0	5.0	33	4	4	3.0	4.5	24	3	4	*5.5	*7.0	20	4	6	*1.5	*3.0	21	2	2	*1.5	*3.5
15	148	2	2	10.5	16.5	107	8	8	15.0	20.5	64	18	6	*11.5	*14.5	51	7	2	*2.5	*4.0	33	3	4	2.0	4.0	26	2	6			20			*3.5	*6.0	23	2	2	2.0	3.5
16	148	4	2	10.5	17.0	106	8	9	12.5	18.0	61	14	5	*9.0	*11.5	51	4	2	*3.0	*4.5	33	0	4	2.0	4.0	26			*3.5	*6.0	28			*1.0	*3.5	23	3	2	2.0	4.0
17	148	2	4	11.0	17.0	103	5	5	12.0	17.5	60	5	2	7.0	9.0	51	4	4	2.0	4.0	33	2	4	2.0	4.0	28	4	4			34	2	2	3.0	6.0	25	2	2	2.0	4.0
18	148	2	2	10.0	16.0	102	8	4	7.5	11.5	67	4	6	5.0	8.0	53	7	4	2.5	4.5	33	4	2	2.0	4.0	36					40	2	2	3.0	5.5	25	2	2	2.5	4.0
19	148	2	2	9.0	15.0	109	4	4	7.0	12.0	84	6	6	6.0	11.0	60	8	5	*5.0	*7.0	37	6	2	2.5	4.5	48			*3.0	*6.5	42	2	2	3.0	5.5	23	4	0	3.0	4.5
20	148	2	2	8.5	14.0	117	4	4	8.0	13.5	92	6	6	6.0	12.0	63	14	6	9.0	15.5	45	9	2	4.0	7.5	48			*4.0	*7.5	42	2	2	3.0	6.0	23	2	0	2.0	3.5
21	150	2	3	8.5	14.5	119	4	2	9.0	13.5	95	5	5	9.0	14.5	67	10	7	*11.0	*15.0	49	10	4	6.0	10.0	52			*3.5	*6.5	42	2	2	2.5	5.5	23	2	0	1.5	3.0
22	152	2	4	8.0	14.0	121	6	4	11.0	17.5	96	10	6	9.5	16.0	71	11	8	11.0	16.0	51	8	4	*8.0	*11.0	50	4	2	*5.0	*8.5	42	2	2	3.0	6.0	23	2	1	1.5	3.0
23	152	2	2	8.0	13.5	123	6	4	11.0	17.0	97	11	8	9.0	15.0	73	10	11	10.0	18.0	53	6	5	*6.0	*10.0	52	4	2	*5.0	*10.0	44	2	2	3.5	5.5	23	3	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

MONTH-HOUR VALUES OF RADIO NOISE

Station Kekaha(Kauai), T.H. Lat. 22.0N Long. 159.7 W Month July 19 60

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}
00	156	2	2	7.5	13.0	127	4	4	9.5	15.5	99	4	2	7.5	14.0	73	14	6	8.0	12.5	55	6	4	6.5	12.0	59	4	6	5.0	10.0	43	3	2	3.5	6.0	23	2	0	*2.0	*3.5
01	158	0	4	8.0	13.5	129	4	2	10.0	15.5	101	6	4	9.0	16.0	75	12	8	10.5	17.5	55	8	4	7.0	12.0	59	4	6	*6.0	*11.0	43	4	2	3.5	6.0	24			*2.0	*3.5
02	156	4	2	8.5	14.5	129	6	4	9.0	16.0	101	4	6	9.5	16.0	73	13	6	9.0	16.5	55	4	4	6.0	11.0	63	6	4	6.0	11.0	43	4	4	3.5	6.0	23	3	0	*2.0	*3.0
03	156	2	2	9.0	15.5	129	6	2	10.0	16.5	101	8	4	10.0	17.0	77	12	10	10.0	17.0	55	6	4	7.5	14.5	63	8	4	6.0	12.0	41	5	2	4.0	6.5	23	3	0	*1.0	*2.5
04	156	4	4	10.0	17.0	131	6	6	9.5	15.5	103	6	6	10.0	16.5	79	10	12	9.0	16.5	55	10	4	6.0	10.5	53	4	8	5.5	9.5	39	7	2	4.0	6.0	23	2	0	1.0	2.5
05	156	4	4	10.5	17.5	131	6	4	11.0	18.0	103	6	8	10.5	19.0	77	10	14	10.0	15.5	54	9	3	7.0	13.0	51	6	8	6.0	10.5	39	7	4	4.0	7.0	23	2	0	1.5	3.0
06	156	4	2	11.0	18.5	121	8	2	12.0	19.0	82	11	5	12.5	20.0	57	7	4	3.5	5.0	49	8	2	7.0	11.5	47	9	4	6.5	10.0	37	4	2	2.5	6.5	23	2	0	2.0	3.5
07	152	4	2	12.0	18.5	117	6	4	12.0	19.5	67	16	8	6.5	10.0	55	8	6	3.0	4.5	37	11	4	4.5	7.0	33	6	6	*7.0	*10.0	35	2	5	3.5	7.0	21	2	0	2.0	3.0
08	152	2	4	10.5	17.0	109	12	4	9.0	16.0	63	22	6	8.0	10.5	55	14	4	2.0	3.5	33	4	4	3.0	5.0	23	7	2			27	3	2	3.5	6.5	21	2	0	1.0	2.5
09	152	4	4	10.0	16.0	109	10	4	8.0	13.0	65	22	8	8.0	11.0	55	10	4	1.5	3.0	32	3	3	3.0	4.5	21	4	4	2.0	3.5	23	2	6	5.0	7.5	21	2	2	2.5	4.5
10	152	4	4	9.5	15.0	111	10	4	8.0	12.0	67	15	10	*8.5	*11.0	55	2	4	2.5	4.0	31	4	2	2.0	4.0	21	4	4	*4.0	*6.0	17	8	4	2.5	4.0	21	0	2	2.0	3.5
11	154	2	4	8.5	14.0	112	9	3	6.0	11.0	65	24	8	*8.0	*10.5	55	2	4	2.0	4.0	31	4	2	2.5	4.0	21	2	4	*3.0	*5.0	15	6	4			19	0	0	*1.5	*3.0
12	152	4	2	9.0	15.0	113	6	2	7.0	11.5	68	20	11	10.0	13.0	54	5	3	3.5	5.0	31	4	4	2.5	4.0	21	4	2	4.0	6.0	14	5	5	6.5	9.5	19	0	2	*1.0	*2.5
13	152	2	2	10.0	15.0	113	9	4	8.0	13.5	69	14	12	*10.0	*14.0	55	2	4	1.5	3.0	31	4	4	2.5	4.0	21	4	4	4.0	6.0	13	4	4	4.5	7.0	19	2	0	*3.0	*7.0
14	152	2	2	9.5	15.0	111	6	4	9.0	13.5	65	14	8	9.0	12.0	55	4	4	*2.0	*4.0	31	3	2	3.5	5.0	21	4	4	*3.5	*5.0	13	4	4			21	2	2	*4.0	*6.5
15	150	4	2	10.0	16.0	111	6	6	10.5	16.0	63	14	6	9.5	12.5	53	4	2	*2.5	*4.5	29	4	4	3.5	5.5	21	2	4	*4.5	*6.5	13	6	2			23	2	2	*3.0	*5.0
16	150	4	2	11.0	18.0	109	8	4	9.5	14.5	59	16	4	7.0	9.0	53	2	2	2.5	4.0	29	4	3	3.5	5.0	21	4	4	*3.5	*5.0	21	4	2	4.5	6.5	25	0	4	3.5	5.0
17	150	2	2	11.0	17.0	105	6	4	9.0	14.5	59	13	4	6.0	8.0	53	2	4	2.5	4.0	31	2	4	3.0	4.5	21	4	4	*10.5	*16.5	31	4	4	4.0	7.5	25	2	2	3.0	5.0
18	150	2	2	9.5	15.5	105	6	6	7.0	11.0	67	8	4	5.0	8.5	55	4	4	2.5	4.5	31	4	4	3.0	4.0	29	2	4			39	2	4	3.0	5.5	25	2	2	*2.0	*4.0
19	150	2	2	7.5	12.5	111	4	2	6.5	12.0	87	6	6	6.0	12.0	61	8	4	8.5	11.5	38	5	5	3.0	5.0	43	2	4	*4.5	*7.5	41	2	4	2.5	5.0	24	3	1	*3.0	*4.0
20	150	2	2	6.5	11.5	119	2	4	7.5	12.0	93	6	4	7.5	14.0	63	14	6	*8.0	*11.0	47	4	4	4.0	7.0	47	4	4	*5.0	*8.0	41	2	2	3.5	6.0	25	2	2	*2.0	*4.0
21	152	2	2	7.0	11.0	121	4	2	7.5	13.0	95	6	4	7.0	12.5	67	10	6	8.5	10.5	51	6	6	4.0	7.5	49	4	6	*4.5	*8.0	41	2	4	3.0	6.0	25	2	2	*2.0	*4.0
22	154	2	2	7.5	11.0	123	6	2	7.5	13.0	97	6	4	6.0	13.0	69	12	6	8.5	13.0	53	6	4	6.0	11.0	53	2	8	4.0	7.0	41	2	2	3.0	5.5	23			*2.5	*5.0
23	154	4	2	7.0	12.0	125	6	2	9.0	14.5	99	4	2	7.5	13.0	71	12	6	7.5	12.0	53	6	4	6.0	11.5	53	4	8	5.0	8.0	43	2	2	3.5	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 New Delhi, India Lat. 28.8 N Long. 77.3 E Month June 19 60

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	148	11	2	9.5	13.5	131	8	5	9.0	13.5	112	11	6	7.0	10.5	94	11	12	8.0	14.0	64	14	10			55	12	6			38	12	4			25	14	4		
01	150	10	4	9.0	13.5	133	8	7	9.5	14.0	114	10	10	10.0	15.0	95	10	12	8.0	12.5	64	12	13			55	10	6			38	9	6			24	16	3		
02	150	11	5	9.0	13.5	133	5	9	9.5	13.5	114	11	8	10.0	14.5	94	11	14	8.5	14.0	66	9	13			57	8	9			38	8	6			23	14	2		
03	148	12	4	11.0	15.5	131	7	7	8.0	13.0	113	14	9	8.5	14.0	91	16	10	7.5	12.5	63	11	11			55	6	6			36	12	4			23	18	2		
04	148	10	4	10.5	15.0	129	12	6	9.5	15.5	108	18	16	9.5	15.0	79	28	20	8.0	12.5	61	11	11			55	10	10			36	12	5			25	12	4		
05	146	9	3	11.0	16.0	127	13	10	11.0	16.0	109	16	32	11.5	19.0	80	23	25	8.5	15.5	54	18	12			49	14	12			33	13	3			24	12	3		
06	146	8	6	12.0	16.5	127	11	10	11.5	17.5	108	16	28	11.0	18.0	79	23	20	8.0	12.0	50	14	12			47	11	14			32	14	4			24	11	3		
07	146	8	4	12.5	18.0	125	12	6	13.0	19.5	104	20	20	11.0	18.5	77	26	16	9.0	15.0	42	22	5			39	13	10			28	12	6			23	9	2		
08	144	12	4	12.5	17.5	123	13	7	*14.0	*21.0	100	21	15	14.5	19.5	69	22	10	4.0	5.0	40	23	6			31	21	6			24	12	2			21	11	2		
09	146	10	4	*12.5	*17.5	122	11	5	14.0	20.0	99	17	9	10.0	15.5	*95			6.0	6.5	38	12	6			31	17	6			26	11	8			22	8	3		
10	146	12	4	*13.5	*18.0	123	10	8	*11.0	*18.0	102	14	14	10.0	15.0	75	18	14	6.0	8.0	39	21	6			31	17	4			24	16	4			23	7	4		
11	146	12	3	13.5	18.0	125	16	4	9.5	15.0	102	15	14	*10.5	*16.5	79	16	18	10.0	18.5	40	22	4			31	19	4			25	19	6			23	12	2		
12	148	10	3	*13.0	18.0	127	8	7	10.5	15.5	109	13	17	10.0	14.5	86	21	25	10.5	16.0	44	26	8			34	29	7			31	14	9			27	8	4		
13	154	4	6	11.5	16.0	133	8	9	9.0	14.0	112	14	16	9.0	13.5	87	20	24	8.0	15.0	44	26	6			37	26	10			34	12	8			27	8	3		
14	154	4	14	8.5	13.0	133	9	8	7.5	11.0	114	11	13	8.0	12.0	90	15	21	7.0	11.5	48	24	10			43	18	12			38	4	10			29	4	4		
15	154	5	3	9.0	13.0	135	6	12	8.0	13.0	116	10	18	8.5	12.0	95	8	18	8.0	12.0	52	22	10			45	16	12			38	8	4			31	5	4		
16	154	4	6	9.0	13.0	135	4	12	8.0	12.5	116	8	10	8.5	14.0	93	12	20	10.5	15.5	54	14	10			49	12	8			42	4	4			29	6	2		
17	152	4	1	8.5	12.5	134	5	7	9.0	12.5	118	8	8	8.0	11.5	91	14	11	10.0	15.0	54	13	8			53	11	8			42	6	4			29	9	2		
18	152	6	4	8.5	13.0	133	6	6	8.0	12.0	115	7	13	9.0	13.0	89	14	14	8.5	13.5	58	11	6			57	8	7			44	6	4			29	15	4		
19	150	8	4	9.0	13.0	133	8	6	8.5	12.5	114	12	8	7.5	12.0	91	12	6	8.0	11.5	66	7	8			61	4	6			44	4	4			27	11	2		
20	150	8	4	9.0	13.0	133	8	4	9.0	14.0	116	7	8	8.0	12.5	93	9	8	8.0	12.5	66	8	4			59	6	8			42	6	2			27	14	4		
21	150	8	2	8.5	13.0	131	8	4	9.0	13.0	114	8	6	7.5	12.5	91	4	4	8.0	11.5	66	8	6			57	7	6			40	8	2			25	14	2		
22	150	6	2	8.5	12.5	131	10	2	8.5	12.5	114	13	6	8.0	12.0	94	15	9	8.0	14.0	64	9	7			57	8	6			42	10	6			25	14	4		
23	152	8	4	8.5	13.0	133	11	6	8.5	13.0	116	13	8	9.0	13.0	94	15	7	9.5	15.5	62	13	4			57	8	6			40	10	6			25	14	4		

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

MONTH-HOUR VALUES OF RADIO NOISE

Station New Delhi, India Lat. 28.8 N Long. 77.3 E Month July 1960

Hour (LST)	Frequency (Mc)																																					
	**.013					.051					.160					.545					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_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	150	4	4	7.5	12.0	129	9	4	6.0	10.0	112	11	7	6.5	12.0	92	6	6	8.5	14.0	62	9	4	5.5	8.0	56	4	6	*4.5	*7.0	41	14	4			24	2	2	*4.0	*5.0
01	149	7	4	8.0	12.0	129	10	4	8.5	13.5	111	12	8	*10.0	*16.0	93	7	8	*8.0	*14.5	64	6	5	7.5	11.0	54	6	4	*4.5	*7.5	40	11	5	*8.0	*11.0	24	2	2		
02	149	7	4	9.0	14.0	131	9	5	*8.5	*14.0	113	12	9	8.5	14.5	91	9	6	9.5	15.5	64	6	6	*7.0	*11.5	54	6	4	*4.0	*7.0	39	12	6			23	4	3	*2.0	*3.5
03	149	5	4	9.5	13.5	131	7	6	8.5	14.0	111	10	10	*4.0	*11.5	92	8	9	*8.0	*15.0	64	6	6	*6.5	*11.5	54	4	6			39	12	8	*10.0	*12.5	22	4	2	*1.5	*3.0
04	149	6	4	9.5	14.0	131	7	7	10.0	16.0	111	14	10	10.0	15.5	88	11	8	*8.5	*15.0	66	4	10	5.5	9.0	54	4	6	*5.0	*9.0	37	14	4			22	4	2	*2.0	*3.0
05	147	5	4	9.5	14.0	127	7	9	*12.5	*17.0	107	8	14	*13.5	*20.5	81	15	16	*11.0	*16.0	60	9	7	*9.5	*13.0	50	6	4	*5.0	*9.5	37	10	6			22	6	2	*3.0	*5.0
06	145	5	4	10.0	14.0	125	9	10	13.0	19.5	107	9	20	*12.5	*17.0	82	10	18	*4.5	*6.0	60	9	7	6.0	9.5	46	8	10	*5.0	*11.0	31	10	4	*6.0	*9.0	24	2	3	*2.5	*4.0
07	145	2	4	*7.5	*12.0	125	10	16	12.5	19.5	101	7	20			77	15	15	9.5	15.5	46	8	8	*7.0	*11.0	40	16	9	*3.0	*7.0	31	10	6	*4.0	*7.5	24	4	4	*4.0	*5.5
08	144	8	5	*11.0	*15.5	131	5	15	12.5	19.0	103	14	25	*16.0	*22.0	74	19	12	*9.5	*13.0	40	23	6	*2.0	*4.5	34	21	10			25	8	5			22	8	2	*2.0	*3.5
09	143	7	4	10.5	15.0	123	9	11	*13.0	*20.0	99	19	15			70	24	9	*7.0	*10.0	40	11	9	*6.0	*12.0	30	13	5	*5.0	*6.5	24	5	5	*5.5	*8.0	22	8	2	*4.0	*5.0
10	145	4	2	*12.0	*17.5	121	13	6	*14.5	*20.5	100	18	15	*14.0	*20.5	76	18	12	*11.0	*16.5	40	10	6	*6.5	*9.0	28	15	5	*4.0	*5.5	25	8	8	*5.0	*8.0	24	10	4	*3.5	*5.5
11	147	3	4	*11.0	*16.0	127	10	7	*11.0	*18.0	109	12	14	*15.0	*22.0	86	16	15	*10.5	*16.0	42	10	6	*7.0	*10.5	28	17	5	*3.5	*5.5	25	7	5	*6.0	*9.5	24	10	2	*3.0	*5.0
12	149	5	4	*10.5	*15.5	129	8	8	*9.5	*15.0	114	10	13	*12.0	*17.5	92	12	14	*9.5	*16.0	46	22	6	*6.0	*10.5	32	30	5	*6.0	*10.0	30	7	5	*6.0	*9.5	28	8	6	*5.0	*7.5
13	151	5	4	10.0	14.0	131	9	6	9.5	14.5	117	11	15	9.0	12.5	94	15	11	11.0	17.0	54	15	15	*10.0	*14.5	38	20	10	*5.0	*9.0	31	10	6	4.0	7.5	30	9	6	*5.0	*7.5
14	151	6	2	8.5	14.0	133	12	6	8.5	12.5	117	14	16	9.0	15.0	94	18	12	*9.5	*14.0	57	19	17	*8.0	*13.0	44	19	12	*8.0	*12.0	35	12	6	4.0	8.0	28	10	4	4.5	7.0
15	153	6	4	9.0	14.0	133	11	6	*9.5	*14.5	117	17	8	10.0	15.0	92	20	6	*10.0	*14.0	58	14	16	*6.0	*11.0	43	12	11	*6.5	*10.0	35	12	6	*4.5	*7.5	30	8	4	*3.0	*5.5
16	153	6	2	9.5	13.5	133	12	6	9.5	13.5	115	17	10	8.5	12.5	90	20	10	*12.0	*17.5	52	14	8	*7.0	*12.0	44	22	10	*5.0	*8.0	37	12	4	*4.0	*6.5	31	11	3	5.5	7.5
17	151	6	4	9.0	13.5	131	13	4	9.5	13.5	113	16	9	8.5	12.5	88	18	12	*8.0	*11.5	52	18	9	*10.0	*14.0	48	16	4	*5.0	*8.0	39	16	2	3.0	5.0	30	4	2	*5.5	*7.5
18	151	4	4	*9.5	14.0	129	12	4	8.5	13.0	113	11	12	*8.5	*13.5	89	11	11	10.0	16.0	54	16	5	6.0	10.0	54	8	8	*3.5	*7.0	41	4	2	*3.0	*5.0	30	8	6	*3.5	*6.0
19	149	4	4	10.0	15.0	131	8	6	9.0	15.0	115	6	11	*8.0	*13.5	94	8	10	7.0	12.0	60	10	4	*7.0	*10.5	56	8	4	5.0	7.5	39	4	4	*5.5	*9.5	28	6	4	*3.5	*6.5
20	149	4	4	8.5	14.0	132	8	5	9.0	12.5	115	6	7	7.5	12.5	92	6	7	7.0	11.5	66	8	4	5.5	9.5	56	6	2	*5.0	*8.5	39	6	4			28	4	4	*3.0	*5.0
21	149	4	2	8.5	13.0	131	7	4	7.5	12.0	113	8	6	6.5	11.0	92	6	7	*5.0	*10.0	66	6	4	*6.0	*9.5	56	4	2	4.5	8.0	36	12	7			26	10	3	*4.0	*6.0
22	150	3	3	9.0	13.0	131	7	4	8.0	12.0	113	8	9	8.5	13.0	92	6	8	7.0	10.5	66	4	6	5.0	8.5	56	6	4	*5.0	*7.5	35	8	6			24	5	1	*6.0	*7.0
23	149	4	2	8.5	12.5	131	6	4	8.0	12.5	114	3	8	*9.5	*13.5	92	6	7	*7.0	*13.0	64	5	6	6.0	9.0	55	5	3	*5.0	*7.5	36	6	11			24	7	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

**Calibration factor determined from average diode for August 1960.

MONTH-HOUR VALUES OF RADIO NOISE

Station Ohira, Japan Lat. 35.6 N Long. 140.5 E Month June 1960

Frequency (Mc)

Hour (LST)	.013					.051					.160					.545					2.5					5					10					20				
	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	Fom	Du	Dℓ	Vdm	Ldm
00	156	4	3	11.0	16.0	132	2	5	12.0	18.5	108	7	5	10.0	17.0	80	9	6	*13.0	*20.5	58	5	4	*7.0	*11.5	57	4	4	6.5	10.5	46	3	2	5.0	8.5	26	3	2	2.0	3.5
01	156	3	2	11.0	16.0	132	3	5	11.5	18.0	107	6	4	8.5	15.0	80	6	6	*9.0	*16.0	58	5	6	7.5	12.5	57	4	6	6.5	11.0	44	5	2	5.0	9.0	26	4	2	2.5	4.0
02	156	2	2	*10.0	*14.5	130	6	2	11.0	16.5	107	7	4	9.5	16.5	78	14	5	*8.5	*13.5	58	5	8	8.0	13.5	55	5	5	5.5	9.0	42	4	2	5.0	7.5	24	3	0	2.0	3.5
03	156	3	2	*12.0	*17.0	130	5	2	11.0	17.5	105	7	2	10.5	16.0	76	7	7	*10.0	*16.5	56	6	5	9.0	12.0	55	5	4	6.0	10.0	42	4	4	5.0	9.0	24	2	2	1.5	3.0
04	156	3	2	10.0	15.0	126	5	6	*13.0	*19.0	95	6	7	*10.5	*17.0	64	5	10	*5.0	*7.5	52	5	5	7.0	10.5	51	4	3	5.5	8.5	42	2	4	6.0	8.5	24	3	2	1.5	3.0
05	154	4	2	12.0	16.5	122	9	5	14.0	21.0	78	14	4	*5.5	*9.5	64	4	4	*8.0	*12.5	38	6	4	8.0	11.0	41	4	3	*7.0	*10.0	38	4	4	6.5	9.0	24	4	2	1.5	3.0
06	154	2	4	*12.0	*17.0	116	7	4	15.0	20.5	72	10	7	*18.0	*26.0	64	6	2	*8.5	*10.0	34	2	3	8.0	12.0	33	11	4	*8.0	*11.0	32	6	3	6.5	9.0	24	3	2	*3.0	*4.5
07	154	2	2	14.0	19.0	116	9	5	13.0	21.5	85	8	8	*12.0	*16.0	64	11	2	6.5	9.5	32	4	2	7.5	9.0	30	10	5	*11.5	*15.5	30	6	7	*6.0	*8.5	24	1	2	2.5	3.5
08	154	2	4	14.5	20.0	118	8	4	*15.0	*23.0	85	10	10	*12.0	*17.5	64	6	3	*3.0	*3.5	30	4	2	*7.0	*9.5	27	10	4	*9.0	*12.0	26	12	2			22	4	2	*2.0	*3.5
09	*154			*16.0	*21.0	*122			*18.5	*26.0	83	6	4			64	2	2	*5.5	*10.0	*30					*28			*8.5	*11.0	*24			*3.0	*5.0	22	3	2	2.5	4.0
10	154	3	2	*15.5	*20.0	120	4	6	*16.5	*23.5	83	10	4	*12.0	*16.5	64	4	2	*4.0	*7.0	30	4	2	*5.0	*7.0	27	8	4	*9.0	*11.5	24	10	4	*5.0	*7.5	22	4	2	*2.0	*3.5
11	154	4	2	15.0	20.5	122	4	6	14.5	22.0	85	9	10	*11.5	*17.0	63	5	3	*4.0	*7.5	32	4	4	*5.0	*7.5	28	3	5	*7.0	*10.0	22	11	2	*3.5	*5.5	22	2	2	*2.5	*4.0
12	156	4	4	15.0	21.0	122	4	6	*13.0	20.0	85	19	6	*14.5	*19.0	66	12	6	*5.0	*8.0	31	7	3	*7.5	*10.5	29	4	6	*8.5	*12.0	26	6	6	*3.5	*5.5	22	5	2	*0.5	*1.0
13	156	6	4	13.5	18.5	124	6	4	14.0	20.5	89	8	8	11.0	14.5	66	8	4	*6.0	*9.5	30	10	2	*7.0	*9.5	29	4	6	*9.0	*11.0	28	6	6			24	2	4	2.5	4.5
14	158	4	4	12.5	19.0	126	7	6	*10.0	15.0	89	10	10	*8.0	*13.0	66	16	2	*11.5	*16.0	30	6	2	*5.0	*6.0	29	10	4	*11.0	*14.0	30	6	4	*5.0	*8.0	26	4	4	3.0	5.0
15	158	4	4	10.5	17.0	126	5	5	8.5	14.0	89	23	8	*9.5	*14.5	64	24	2	*7.5	*11.5	30	6	2	*6.5	*9.5	33	7	6	*9.0	*11.0	34	4	4	5.0	8.0	26	4	2	2.5	4.5
16	160	2	4	8.5	13.5	126	8	6	9.5	16.0	81	19	10	*8.0	*11.0	66	15	4	*4.0	*6.5	32	12	2	*8.0	*11.0	38	10	9	*6.5	*9.0	38	6	2	*5.5	*8.5	28	6	2	2.5	5.0
17	158	3	2	10.0	15.0	124	8	4	*11.0	17.5	86	22	7	*14.5	*19.5	66	12	4	*8.0	*13.5	36	21	4	*5.5	*8.5	41	6	6	*6.5	*9.5	42	5	2	5.0	7.5	28	4	3	3.0	5.5
18	158	2	4	10.5	15.5	122	7	6	*14.0	20.5	85	21	6	*14.0	*18.5	66	15	2	*6.0	*9.5	40	10	6	*5.5	*9.0	49	9	6	*7.0	*12.5	44	6	2	4.5	7.0	28	4	2	3.0	5.0
19	154	2	4	10.0	14.5	122	6	3	*10.5	17.0	96	9	7	*11.0	*18.0	74	6	4	*5.5	*9.0	49	8	6	*5.0	*8.0	63	4	8	*5.0	*10.0	46	4	2	5.0	9.0	28	4	4	2.5	4.5
20	158	2	4	*10.0	*14.5	128	4	5	10.0	16.0	105	6	4	8.0	15.0	80	6	5	*6.5	*10.5	55	5	6	7.5	12.5	67	10	4			46	4	2	4.5	7.5	26	5	2	2.0	5.0
21	158	2	2	10.5	16.0	132	4	4	11.0	18.5	108	5	5	9.0	16.5	80	8	7	*1.0	*1.5	58	5	5	5.0	9.0	75	3	10	*6.5	*12.5	47	5	3	4.5	7.5	28	3	2	2.5	4.5
22	158	4	3	11.0	16.0	132	4	5	11.5	17.5	108	5	5	*9.0	*17.0	84	8	7	*4.5	*7.5	58	5	5	6.5	10.5	75	6	10	*8.0	*14.5	46	4	0	5.5	9.0	26	4	3	3.0	4.5
23	158	2	4	13.0	18.0	132	4	5	12.0	17.5	107	5	4	*7.5	*14.5	84	4	9	*7.5	*13.0	58	6	4	6.5	11.5	68	8	15	5.5	9.0	46	3	2	4.5	7.5	26	4	2	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

MONTH-HOUR VALUES OF RADIO NOISE

Station Ohira, Japan Lat. 35.6 N Long. 140.5 E Month July 19 60

Frequency (Mc)

Hour (LST)	.013					.051					.160					.545					2.5					5					10					20				
	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm
00	158	5	2	12.0	18.0	134	7	2	10.0	17.0	112	8	5	8.0	15.5	84	6	6	10.0	17.0	61	7	6	6.0	11.0	58	4	4	6.0	10.0	47	4	2	4.0	7.5	32	6	6	2.5	4.5
01	158	4	2	11.0	17.5	134	4	3	9.0	17.0	113	9	7	8.5	16.0	84	4	6	9.0	16.5	61	7	5	*7.0	*12.0	58	4	4	5.5	10.0	47	2	4	4.0	8.0	28	4	4	2.0	3.5
02	158	5	2	11.0	17.5	134	10	3	12.5	20.0	112	11	3	10.0	17.5	86	12	6	10.0	17.5	61	8	6	*6.5	*12.0	58	5	5	6.0	10.5	45	4	2	*4.5	*8.0	28	2	5	2.0	3.5
03	158	5	3	11.5	17.5	134	10	2	11.0	18.5	111	13	2	9.5	17.5	82	17	6	*9.5	*17.0	61	8	6	*6.5	*11.5	56	4	3	*6.0	*10.0	47	2	4	*6.0	*9.5	26	2	3	2.0	3.5
04	158	3	4	11.0	18.0	132	9	7	13.5	20.0	105	14	11	*9.5	*16.5	68	29	3	*6.0	*14.0	57	10	4	*7.0	*12.5	56	6	5	*7.0	*11.5	45	6	4	*5.5	*9.0	26	4	3	2.0	3.5
05	156	5	2	12.5	18.0	126	10	4	12.0	20.0	87	28	6	*14.5	*21.5	66	24	4	*7.0	*16.0	43	10	3	*8.0	*13.5	46	8	5	9.5	13.5	41	5	2	*6.5	*10.5	26	5	1	1.5	3.5
06	155	5	3	13.0	19.5	122	13	5	*13.5	*21.5	89	26	11	*12.0	*19.5	66	20	4	*7.5	*15.5	42	10	6	8.5	12.5	36	9	5	*8.5	*11.5	39	6	5	*7.0	*11.5	26	3	1	2.0	3.5
07	156	7	4	14.0	21.0	122	13	7	16.0	24.0	91	23	11	16.0	23.5	66	22	5	*7.5	*11.0	33	3	2	*7.5	*12.0	36	9	6	*9.5	*14.0	33	6	5	*6.5	*9.0	28	7	5	*2.0	*4.0
08	156	6	3	14.5	22.0	124	11	6	*16.5	*26.0	93	20	12	*15.0	*21.0	65	21	4	*5.0	*9.0	31	7	2	*8.0	*11.5	34	8	6	*9.5	*12.0	31	6	4	*7.0	*10.0	28	6	4	*2.5	*4.5
09	156	4	2	16.0	22.5	*126			*18.5	*27.0	*91			*14.0	*19.0	*68			*7.5	*11.0	31	13	2	*7.0	*9.5	*29			*9.0	*12.0	*29			*4.5	*6.0	*30			*2.0	*3.5
10	156	4	2	*15.0	*22.5	128	7	8	*16.0	*25.5	93	19	10	*14.0	*23.0	64	23	2	*4.0	*7.0	33	10	4	*8.5	*13.5	30	4	7	*9.0	*11.5	27	10	4			28	8	6	*2.5	*4.5
11	158	4	4	15.0	23.0	128	6	9	*14.5	*24.0	93	14	10	*12.5	*20.0	65	19	5	*9.5	*14.0	33	6	2	*6.5	*9.5	29	5	5	*6.5	*11.0	27	4	5	*4.0	*6.0	26	7	3	*2.0	*3.5
12	156	5	2	14.5	22.0	128	10	6	*13.0	*21.0	97	12	10	*12.5	*21.0	68	16	6	*5.5	*9.0	33	11	2	*8.0	*12.0	30	7	4	*13.5	*18.0	27	5	4	*5.5	*7.5	26	6	4	*2.0	*3.5
13	160	4	4	12.0	19.0	130	9	6	11.0	17.0	97	20	10	*8.0	*15.5	72	22	12	*9.5	*17.0	33	6	2	*7.5	*11.5	31	9	5	*11.0	*16.0	29	7	5	*6.5	*9.0	27	5	5	*2.5	*4.5
14	160	4	4	9.0	16.0	133	9	9	8.0	14.0	99	20	12	10.0	17.0	72	20	6	*8.0	*15.0	31	27	2	*10.0	*17.5	31	4	5	*10.0	*16.5	31	8	4	*6.5	*9.0	30	7	6	*2.0	*3.5
15	162	3	3	8.0	14.5	132	7	6	7.5	14.0	99	21	13	9.5	14.5	74	21	12	*8.5	*16.0	33	21	2	*9.5	*16.0	34	11	6	*10.5	*18.0	37	3	6	*6.0	*9.0	32	8	8	*2.0	*4.0
16	162	2	2	7.5	13.0	132	9	6	7.5	12.5	97	21	13	*12.0	*18.0	73	20	9	10.0	20.5	35	10	4	*7.0	*10.0	40	8	9	*7.5	*11.0	39	4	2	5.0	8.5	32	7	6	*4.0	*5.5
17	162	4	2	7.5	13.0	128	14	4	8.0	13.5	95	22	12	*12.0	*23.5	70	20	6	*6.5	*11.5	37	15	3	*9.5	*14.0	44	8	6	*9.5	*14.5	43	4	6	*5.0	*8.5	33	11	8	*3.0	*5.0
18	160	4	2	7.0	13.5	128	13	6	7.5	12.5	95	28	8	15.0	23.5	74	18	7	*12.5	*20.5	44	10	6	*10.5	*15.0	50	6	5	*7.0	*11.0	45	4	1	4.5	7.5	32	10	4	3.0	5.0
19	160	2	4	8.5	14.0	128	12	4	8.0	14.5	105	12	7	11.0	19.0	78	13	4	*6.0	*9.5	51	12	5	*6.5	*10.0	60	6	5	*4.0	*6.5	47	3	2	*4.5	*7.5	32	8	4	2.0	4.5
20	160	2	4	8.5	15.0	132	8	4	8.0	13.5	109	8	4	8.5	14.5	84	10	7	8.5	13.0	57	6	6	*8.5	*13.5	66	11	5	*8.0	*12.5	47	3	2	4.0	7.0	32	8	8	*1.5	*3.0
21	160	3	2	9.0	15.5	134	10	3	10.0	16.0	111	13	6	7.5	14.0	84	14	5	*5.0	*9.0	59	8	5	*5.5	*9.0	72	6	6	*6.5	*11.5	47	2	2	*4.0	*7.0	32	6	8	2.0	4.5
22	160	4	4	11.0	18.0	134	11	3	10.5	17.5	113	14	8	8.0	16.0	89	11	9	*5.0	*11.5	61	7	6	6.0	9.5	70	8	6	*5.5	*10.5	47	3	2	4.0	7.5	30	8	6	*2.0	*4.0
23	158	6	2	11.0	18.5	134	4	3	10.0	17.0	112	5	5	11.0	17.0	88	9	8	*7.5	*14.0	61	7	6	6.5	11.0	60	4	5	*5.0	*9.0	47	4	3	*4.0	*6.0	31	8	7	2.5	4.0

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Ohira, Japan Lat. 35.6 N Long. 140.5 E Month August 19 60

Frequency (Mc)

Hour (LST)	.013 F_{am}	.013 D_u	.013 D_l	.013 V_{dm}	.013 L_{dm}	.051 F_{am}	.051 D_u	.051 D_l	.051 V_{dm}	.051 L_{dm}	.160 F_{am}	.160 D_u	.160 D_l	.160 V_{dm}	.160 L_{dm}	.545 F_{am}	.545 D_u	.545 D_l	.545 V_{dm}	.545 L_{dm}
00	158	3	5	12.0	18.0	133	3	4	11.0	18.0	112	4	5	8.0	15.0	87	5	4	8.5	14.0
01	157	3	4	12.5	18.0	134	5	4	10.0	17.0	112	6	4	8.0	15.0	85	7	4	*9.5	*17.0
02	157	5	3	11.5	17.5	134	6	4	10.5	17.5	112	5	4	8.5	16.5	85	7	4	10.0	16.0
03	157	5	2	11.5	17.5	134	5	4	10.0	16.5	110	9	3	9.5	17.0	86	8	7	11.0	17.5
04	157	4	2	*12.5	*18.0	132	6	4	12.0	18.0	108	8	3	11.0	18.5	75	15	4	10.5	17.5
05	155	5	2	12.5	18.0	124	10	3	12.5	20.0	90	22	6	*19.0	*24.0	65	32	4	*7.5	*12.5
06	154	5	4	13.0	18.5	122	14	6	14.0	21.5	86	32	10	*13.0	*19.0	65	29	3	*8.5	*17.5
07	156	9	6	13.5	19.0	120	17	4	16.0	23.5	92	27	8	13.5	23.5	65	26	1	*8.0	*11.5
08	155	5	4	14.5	20.0	122	10	2	17.0	25.0	88	26	6	*15.5	*21.5	65	17	2	*10.5	*18.0
09	*157			15.0	22.0	*125			*15.0	*23.0	*94			*15.0	*22.5	*68			*7.5	*13.0
10	*155			16.0	22.0	*126			16.0	24.5	*92			13.5	22.5	*67			*12.5	*18.0
11	155	6	4	16.0	22.5	126	8	6	16.0	23.5	*94			*14.0	*20.0	65	10	4	*10.5	*16.0
12	155	7	3	15.0	22.0	128	6	6	16.0	24.5	*92			*18.0	*24.5	71	20	6	*10.0	*14.0
13	157	7	5	13.5	20.5	131	14	10	14.0	21.5	*98			*15.0	*22.5	81	22	18	*11.0	*17.5
14	158	10	6	12.0	19.0	134	13	12	11.5	18.5	106	22	24	*12.0	*20.0	81	17	17	*11.5	*20.0
15	161	9	7	11.0	17.5	134	14	11	11.0	17.5	107	22	25	8.5	13.5	79	26	17	*10.5	*19.0
16	159	13	4	11.0	16.0	129	22	11	11.0	18.0	102	27	23	9.5	17.5	76	26	15	*12.5	*22.0
17	157	12	2	10.5	16.0	124	23	5	13.5	16.0	92	36	12	14.0	19.0	70	30	5	6.5	18.5
18	157	12	4	8.5	14.0	124	27	9	11.0	18.5	99	32	13	12.0	20.5	77	26	4	8.0	17.0
19	157	11	4	9.5	16.0	130	16	6	10.5	17.0	106	20	17	10.5	18.5	85	13	6	9.5	15.5
20	157	9	2	9.5	15.5	131	13	4	9.0	14.5	110	13	5	8.0	16.5	87	11	5	8.5	15.0
21	159	6	3	10.0	17.0	132	8	5	10.0	16.0	110	8	4	13.0	14.5	89	5	4	9.0	12.5
22	159	4	6	11.0	17.5	134	4	6	8.5	15.5	110	7	4	8.0	14.5	93	6	5	*8.5	*14.0
23	158	6	4	11.0	17.0	132	5	1	10.0	16.5	110	3	2	7.0	14.0	89	12	4	*11.5	*18.5

Hour (LST)	2.5 F_{am}	2.5 D_u	2.5 D_l	2.5 V_{dm}*	2.5 L_{dm}*	5 F_{am}	5 D_u	5 D_l	5 V_{dm}*	5 L_{dm}*	10 F_{am}	10 D_u	10 D_l	10 V_{dm}	10 L_{dm}	20 F_{am}	20 D_u	20 D_l	20 V_{dm}*	20 L_{dm}*
00	57	7	5	4.5	9.5	58	3	6	6.0	12.0	46	5	3	4.5	8.0	27	7	3	2.0	3.5
01	57	8	6	6.5	11.0	56	5	4	6.5	10.5	45	2	2	5.0	8.0	26	4	2	2.0	3.0
02	57	10	5	6.5	11.0	56	5	4	5.0	9.0	43	4	2			24	2	1	0.5	2.5
03	59	7	7	6.5	11.0	56	6	7	5.5	9.5	45	4	6	3.5	7.0	24	4	2	1.0	3.0
04	55	8	3	6.0	11.5	56	6	4	6.5	10.0	41	5	4	4.0	8.0	24	2	2	1.0	2.5
05	47	8	4	6.5	11.0	52	4	4			43	2	4	3.5	6.5	24	4	2	1.5	3.0
06	39	7	2	9.0	13.0	41	7	9	11.0	16.0	37	5	4	5.0	6.5	24	5	2	1.5	3.0
07	37	20	4	10.5	16.0	36	8	5	9.5	13.0	34	4	5	7.0	10.5	26	12	3	2.5	5.0
08	33	5	2	7.0	11.0	32	6	6	8.5	15.0	29	8	6	2.5	4.0	36	8	11	1.0	3.5
09	*33			5.5	8.5	*31			10.0	13.0	*29					*28				
10	*34			3.5	6.5	*28			7.5	11.0	*27			1.5	3.0	36	6	10	3.5	6.0
11	33	6	2	7.0	9.5	*30			11.5	15.5	27	6	4	5.0	7.0	28	10	5	4.5	7.5
12	34	15	3	8.0	11.5	31	17	4	7.5	11.0	27	6	4	7.0	10.5	27	9	3	1.5	3.5
13	36	22	5	6.5	9.5	32	13	7	8.5	12.0	30	10	7	6.0	8.5	30	14	4	2.5	4.5
14	36	27	5	4.5	6.5	32	21	8	5.0	8.0	30	12	6	5.0	8.0	30	6	4	1.0	3.0
15	41	18	11	4.5	7.0	40	14	12	9.5	13.5	35	8	4	5.5	8.5	30	9	5	2.0	4.0
16	39	25	6	5.5	8.5	40	17	8	11.0	14.5	39	6	8	4.5	8.0	31	8	6	2.5	4.5
17	41	23	7			48	19	6			45	3	3	5.0	8.5	32	10	5	3.5	5.5
18	47	18	7	8.0	11.0	56	7	5	7.0	10.5	45	6	3	3.0	6.0	38	6	9	3.0	6.0
19	55	12	8	12.0	17.0	70	5	8	11.5	19.0	47	2	3	4.0	7.0	42	7	13	3.5	6.5
20	57	10	7	8.0	11.5	*70					47	6	5	4.5	8.0	32	14	6	1.5	3.5
21	57	10	3	6.0	10.0	72	6	4			47	6	5	3.5	6.5	30	7	5	2.0	5.5
22	58	8	4			*75			10.0	17.5	47	4	5	4.0	7.5	30	10	6	1.5	3.5
23	59	6	4	5.0	8.5	60	6	8	7.0	11.5	47	1	4	5.0	9.0	28	12	4	2.0	3.5

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Pretoria, S. Africa Lat. 25.8 S Long. 28.3 E Month June 19 60

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	Fom	Du	Dℓ	Vdm	Ldm
00	121	4	4			102	6	4			92	8	6			82	6	4			55	8	5			43	7	4			27	3	2			20	0	0		
01	121	6	4			102	6	4			92	10	6			82	6	2			56	2	6			43	8	4			27	4	2			20	0	0		
02	121	6	4			102	8	6			92	8	4			82	6	6			54	5	4			43	7	4			27	3	2			20	0	0		
03	121	6	4			104	6	8			91	7	5			82	8	4			55	7	5			43	6	4			27	2	2			20	0	0		
04	123	4	6			105	3	7			92	6	6			80	8	4			53	11	3			43	4	4			25	2	0			20	0	0		
05	121	8	6			104	6	8			92	6	8			78	8	4			53	7	5			45	4	6			25	2	0			20	0	0		
06	119	8	10			98	10	10			80	8	14			56	10	4			46	11	8			41	5	3			29	4	4			20	2	0		
07	111	12	8			80	22	10			64	6	0			52	4	2			36	9	2			35	9	8			31	4	6			20	6	0		
08	107	14	8			74	23	4			64	14	0			54	2	4			34	10	6			*23					*25					20	0	0		
09	*105					72	29	2			67	15	3			54	2	2			*36					21	11	4			19	16	2			20	1	0		
10	103	18	8			72	27	2			64	13	0			54	2	2			36	6	6			21	6	3			19	14	5			20	2	0		
11	104	13	5			72	15	2			64	18	0			54	2	2			36	6	4			21	5	4			17	10	2			20	1	0		
12	105	10	4			74	26	4			64	8	0			52	4	0			35	7	5			21	5	2			19	8	3			20	2	0		
13	109	6	6			76	24	6			64	14	0			52	4	0			34	8	4			21	4	3			21	12	4			20	2	0		
14	111	4	4			76	21	6			64	10	0			54	0	2			34	8	4			21	6	3			22	11	4			20	3	0		
15	111	6	4			77	15	7			64	14	0			54	2	2			34	8	4			23	5	4			*27					22	6	2		
16	112	6	3			78	24	8			64	18	0			54	8	2			34	10	4			27	13	5			35	4	4			24	1	4		
17	111	6	4			78	28	8			67	17	3			61	13	7			42	11	7			37	14	5			37	6	4			24	4	2		
18	113	14	6			92	16	10			78	12	8			75	11	9			52	10	6			43	12	4			37	6	2			22	6	2		
19	119	6	4			99	13	5			82	12	4			80	8	4			56	6	6			43	10	2			35	9	4			20	2	0		
20	119	8	4			100	12	4			86	10	4			82	6	4			56	10	6			44	8	3			31	7	2			20	0	0		
21	119	6	2			102	8	4			90	6	8			82	6	2			56	9	6			43	8	2			31	2	4			20	1	0		
22	121	4	6			102	8	4			92	6	10			84	4	4			56	8	4			43	8	2			29	2	2			20	1	0		
23	121	4	4			102	6	6			92	6	6			83	5	5			56	7	4			43	6	4			27	4	0			20	0	0		

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Pretoria, S. Africa Lat. 25.8 S Long. 28.3 E Month July 19 60

Frequency (Mc)

Hour (LST)	.051 Fam	.051 Du	.051 D_ℓ	.051 Vdm	.051 Ldm	.113 Fam	.113 Du	.113 D_ℓ	.113 Vdm	.113 Ldm	.246 Fam	.246 Du	.246 D_ℓ	.246 Vdm	.246 Ldm	.545 Fam	.545 Du	.545 D_ℓ	.545 Vdm	.545 Ldm
00	118	12	6			101	12	5			89	8	8			80	10	4		
01	118	13	4			102	14	6			89	8	8			81	11	5		
02	118	14	4			102	10	6			87	12	8			80	14	4		
03	118	13	4			102	12	6			87	12	8			80	10	6		
04	116	16	4			101	15	7			87	10	8			80	8	8		
05	118	14	4			101	13	9			89	10	8			78	10	4		
06	117	11	3			94	14	10			75	10	12			56	14	4		
07	110	18	5			72	32	2			61	20	0			54	6	2		
08	102	25	4			72	32	3			61	15	0			54	10	4		
09	100	26	4			74	31	4			61	22	0			54	2	2		
10	100	22	4			74	30	4			61	20	0			54	6	2		
11	103	21	7			74	33	4			63	16	2			54	6	2		
12	104	20	6			72	28	2			61	18	0			54	2	2		
13	108	17	8			76	22	6			61	17	0			54	2	3		
14	110	13	8			76	24	6			61	14	0			54	2	3		
15	111	12	8			76	28	6			62	23	1			52	4	0		
16	110	12	8			72	30	2			64	17	3			52	6	2		
17	110	13	11			78	26	8			63	20	2			56	17	4		
18	110	16	10			90	18	8			75	12	10			73	11	8		
19	116	15	6			96	18	4			79	13	8			78	10	8		
20	116	15	3			98	16	4			81	13	6			80	9	7		
21	117	14	3			100	14	6			83	16	6			82	10	6		
22	116	15	3			99	17	5			85	16	5			82	11	6		
23	118	14	5			100	16	6			85	10	4			81	9	5		

Hour (LST)	2.5 Fam	2.5 Du	2.5 D_ℓ	2.5 Vdm	2.5 Ldm	5 Fam	5 Du	5 D_ℓ	5 Vdm	5 Ldm	10 Fam	10 Du	10 D_ℓ	10 Vdm	10 Ldm	20 Fam	20 Du	20 D_ℓ	20 Vdm	20 Ldm
00	54	12	2			42	12	4			27	5	0			20	1	2		
01	56	11	4			42	9	4			27	2	2			20	2	1		
02	54	12	4			42	10	4			27	2	2			20	2	2		
03	54	15	4			44	10	4			25	2	0			20	1	2		
04	54	15	5			44	6	5			25	2	0			20	2	2		
05	54	14	6			43	9	3			25	2	1			20	0	2		
06	51	16	7			42	12	3			29	11	4			20	2	2		
07	36	12	2			31	14	3			29	17	4			20	6	2		
08	*34					*24					*21					*20				
09	34	4	0			22	6	2			18	22	3			19	8	1		
10	34	3	0			22	4	2			18	19	5			20	6	2		
11	34	3	2			22	2	2			15	14	1			20	3	2		
12	34	3	2			22	3	2			21	15	6			20	6	2		
13	36	0	3			20	3	0			19	15	3			20	5	2		
14	34	2	2			20	4	1			21	15	5			20	6	2		
15	34	2	2			22	4	4			28	11	5			22	4	2		
16	36	3	3			26	8	6			33	9	4			24	5	3		
17	38	3	4			28	10	7			35	10	4			24	4	3		
18	46	11	7			44	8	6			37	11	2			24	2	6		
19	52	8	6			44	8	4			37	6	2			20	4	2		
20	52	10	4			42	11	4			38	5	5			20	2	2		
21	52	12	2			42	10	4			33	8	5			20	2	2		
22	52	12	2			42	10	4			31	7	4			20	0	2		
23	54	8	2			42	13	4			29	3	2			20	2	2		

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Pretoria, S. Africa Lat. 25.8 S Long. 28.3 E Month August 1960

Hour (LST)	Frequency (Mc)																																					
	.051					.113					.246					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	121	10	6			102	15	5			89	17	5			82	14	6			54	14	7			41	11	5			27	8	3			21	0	2		
01	121	10	6			102	13	7			90	12	6			83	11	7			54	14	6			42	8	4			26	8	2			21	0	2		
02	119	12	4			104	9	7			90	10	6			82	10	6			52	12	4			44	4	6			26	7	2			19	0	0		
03	121	6	8			105	6	10			88	8	8			82	8	10			54	10	7			44	6	4			24	4	0			19	0	0		
04	119	14	6			101	13	6			86	12	10			80	11	10			52	8	4			44	4	4			24	6	0			19	0	2		
05	119	12	6			101	16	6			82	19	8			76	14	8			52	6	8			42	6	4			24	6	0			19	0	0		
06	115	11	6			91	22	10			66	19	4			56	8	6			44	8	8			40	6	4			30	4	4			19	2	0		
07	109	19	4			73	28	4			62	30	0			54	14	2			36	16	4			28	13	4			28	6	2			19	2	2		
08	107	16	8			76	29	7			*62					54	4	4			32	6	2			22	8	3			22	12	4			19	2	2		
09	105	12	4			75	27	6			62	18	0			54	4	2			34	4	2			22	16	4			19	10	6			17	5	0		
10	104	36	8			73	30	4			62	23	0			54	7	2			34	2	4			22	12	6			18	13	4			17	4	0		
11	105	18	6			73	30	4			62	22	0			54	4	3			34	2	2			20	15	4			18	13	6			19	3	2		
12	105	22	5			75	31	6			62	31	0			54	12	4			34	3	3			22	19	4			18	17	4			19	3	2		
13	109	14	4			77	29	8			62	30	0			52	4	0			34	4	2			20	12	4			19	16	5			19	3	2		
14	115	9	6			79	34	6			62	36	0			54	24	4			34	8	4			20	18	2			22	12	6			21	3	2		
15	115	14	6			81	36	10			62	38	0			52	20	0			34	6	4			22	22	6			26	16	6			22	3	4		
16	115	10	7			79	37	10			63	34	1			54	18	4			34	10	4			29	18	11			34	9	6			23	4	2		
17	115	16	10			81	34	8			62	39	0			60	22	8			36	17	4			44	8	16			34	8	4			23	2	0		
18	115	18	10			95	26	12			74	28	4			80	10	8			48	20	10			46	10	14			39	7	5			23	4	3		
19	121	14	8			104	17	9			85	18	5			82	14	8			54	14	5			46	12	8			36	6	4			23	4	2		
20	122	14	7			105	15	7			90	17	8			85	13	7			55	16	5			44	15	5			34	7	3			21	3	2		
21	121	14	6			105	16	8			90	18	6			86	14	6			54	17	4			42	10	4			33	5	3			21	2	2		
22	121	11	6			105	16	8			90	17	7			86	12	6			56	13	7			42	12	4			30	6	4			21	0	2		
23	121	12	6			105	14	8			94	12	10			82	20	6			54	14	7			42	11	7			29	5	3			21	0	2		

F_{am} = medion voiue 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} = medion deviation of overage 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 Rabat, Morocco Lat. 33.9 N Long. 6.8 W Month June 19 60

Frequency (Mc)

Hour (LST)	.051 Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	.246 Fom	Du	Dℓ	Vdm	Ldm	.545 Fom	Du	Dℓ	Vdm	Ldm
00	132	4	6								102	8	4			88	12	4		
01	131	5	12								102	4	4			88	5	8		
02	130	6	4								102	6	8			86	12	4		
03	130	6	6								100	4	10			86	4	6		
04	130	5	6								96	15	8			80	15	7		
05	*124										81	3	4			74	10	8		
06	119	9	5								80	11	8			82	10	20		
07	116	6	2								78	6	4			78	16	18		
08	118	7	4								80	8	6			76	16	22		
09	*117										*77					*76				
10	118	11	2								80	21	8			78	12	20		
11	122	6	6								81	15	9			89	3	18		
12	128	8	8								94	14	16			90	6	13		
13	127	9	6								92	19	14			92	5	34		
14	133	6	9								106	8	24			92	7	14		
15	132	7	6								100	11	17			86	7	9		
16	134	7	8								104	15	19			92	16	4		
17	132	6	7								100	12	16			82	9	5		
18	134	10	10								101	21	17			92	12	12		
19	*128										98	8	6			88	6	4		
20	132	8	6								104	9	6			93	7	7		
21	132	2	5								102	2	4			90	6	2		
22	132	8	4								102	11	4			92	10	8		
23	134	2	6								102	4	5			91	3	3		

Hour (LST)	2.5 Fom	Du	Dℓ	Vdm	Ldm	5 Fom	Du	Dℓ	Vdm	Ldm	10 Fom	Du	Dℓ	Vdm	Ldm	20 Fom	Du	Dℓ	Vdm	Ldm
00	65	5	7			58	4	4			46	2	3			36	10	8		
01	66	10	6			58	4	6			48	2	5			34	6	6		
02	64	4	10			56	6	2			48	4	5			28	8	4		
03	64	6	8			58	6	6			48	4	6			28	8	2		
04	58	7	4			*56					44	4	4			28	10	3		
05	56	14	6			52	4	4			40	4	6			31	12	5		
06	46	6	2			40	13	2			42	2	4			32	17	4		
07	42	8	6			32	16	4			36	6	4			32	14	4		
08	38	6	5			30	7	2			32	4	4			*33				
09	38	6	8			28	14	2			30	9	7			33	15	6		
10	*36					26	4	2			30	8	6			37	15	9		
11	40	5	8			27	11	4			30	11	6			36	10	8		
12	40	5	7			29	7	5			30	12	11			36	10	8		
13	45	11	7			36	8	12			36	11	11			36	8	6		
14	42	8	6			34	7	8			38	4	11			38	12	10		
15	49	16	13			40	12	12			41	9	7			40	10	8		
16	44	6	8			39	5	8			41	6	5			42	8	8		
17	50	22	10			47	13	9			44	10	4			42	12	6		
18	50	5	6			46	10	2			46	3	4			47	7	11		
19	60	12	8			58	8	6			50	4	4			46	8	12		
20	66	4	6			60	12	4			48	2	5			38	14	10		
21	66	12	4			60	10	4			48	2	5			34	12	6		
22	64	6	2			58	4	6			46	3	4			36	11	8		
23	66	6	6			60	6	6			46	3	4			34	12	7		

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 Rabat, Morocco Lat. 33.9 N Long. 6.8 W Month July 19 60

Frequency (Mc)

Hour (LST)	.051 Fam	.051 Du	.051 Dℓ	.246 Fam	.246 Du	.246 Dℓ	.545 Fam	.545 Du	.545 Dℓ
00	130	4	4	100	4	7	85	6	4
01	130	2	4	99	4	8	85	6	4
02	130	2	4	101	1	5	85	4	6
03	130	2	7	98	6	8	83	7	6
04	130	2	6	96	9	8	78	12	5
05	126	5	7	82	8	6	75	7	11
06	118	4	4	72	6	3	81	6	14
07	116	4	5	74	7	2	77	12	19
08	116	4	4	76	8	6	77	10	22
09	*118			*74			79	8	22
10	118	4	4	76	6	6	75	7	17
11	120	5	2	77	10	5	80	9	15
12	124	2	8	84	15	12	85	4	11
13	126	4	7	94	10	11	85	8	14
14	126	7	6	90	17	19	85	7	8
15	130	5	3	98	13	15	83	12	22
16	128	8	6	96	15	23	81	12	12
17	130	8	6	94	18	12	85	9	12
18	126	10	7	90	21	16	87	8	18
19	128	9	6	98	13	8	87	10	7
20	127	8	3	100	10	6	88	6	5
21	131	6	3	102	7	5	89	4	5
22	131	3	3	100	6	5	89	6	2
23	130	6	2	102	4	4	89	4	6

Hour (LST)	2.5 Fam	2.5 Du	2.5 Dℓ	5 Fam	5 Du	5 Dℓ	10 Fam	10 Du	10 Dℓ	20 Fam	20 Du	20 Dℓ
00	63	5	8	56	4	5	46	4	4	30	10	4
01	61	6	7	55	5	5	46	6	4	31	7	5
02	61	7	4	58	2	8	46	4	4	28	6	4
03	59	4	4	56	2	6	46	4	4	28	4	5
04	60	7	8	55	3	10	46	2	4	26	8	3
05	54	11	5	52	4	2	44	2	4	29	9	5
06	47	17	8	40	5	5	42	0	6	31	5	4
07	43	10	8	32	4	4	36	3	4	35	9	9
08	41	6	7	30	3	4	32	6	4	32	8	8
09	39	6	8	28	6	4	28	4	3	36	6	11
10	39	6	6	26	8	5	30	4	6	28	8	6
11	39	9	9	24	6	2	28	13	6	32	8	6
12	42	8	11	26	8	4	26	11	3	33	9	7
13	43	7	12	28	7	5	30	10	6	32	12	4
14	43	12	9	31	12	5	36	7	9	38	8	8
15	42	9	9	33	11	9	38	9	8	36	6	6
16	44	11	6	38	8	6	42	8	8	38	8	7
17	44	10	8	40	11	9	43	6	5	42	9	9
18	51	11	8	46	9	7	48	6	6	40	11	7
19	57	9	8	54	4	6	50	3	5	38	14	8
20	65	7	10	60	2	6	50	4	5	38	9	7
21	65	8	8	58	6	6	48	4	5	32	8	4
22	65	4	7	57	4	4	48	7	7	32	6	4
23	63	6	6	56	6	6	48	4	6	32	6	4

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Rabat, Morocco Lat. 33.9 N Long. 6.8 W Month August 19 60

Frequency (Mc)

Hour (LST)	.051										.246					.545				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	130	6	4								100	5	4			86	8	4		
01	130	4	4								100	6	5			84	7	5		
02	128	6	4								100	7	5			84	8	5		
03	128	5	3								100	5	6			84	5	7		
04	128	4	2								98	6	6			82	5	8		
05	126	6	3								90	5	8			72	6	12		
06	120	3	4								74	4	2			78	10	20		
07	118	3	3								78	12	7			78	9	16		
08	116	5	2								82	8	8			68	18	14		
09	118	3	4								76	14	4			80	7	27		
10	118	4	4								80	8	6			62	19	8		
11	118	5	2								82	6	8			73	10	16		
12	120	6	2								84	13	11			82	4	24		
13	122	7	4								84	20	10			84	8	24		
14	126	6	5								86	20	11			82	6	11		
15	126	6	6								94	15	19			79	16	13		
16	126	9	4								92	22	17			77	21	14		
17	126	11	5								88	26	13			86	10	22		
18	124	10	6								84	26	8			82	10	11		
19	124	8	7								94	8	3			86	5	4		
20	128	5	3								98	8	6			88	4	6		
21	130	3	4								100	3	4			88	4	4		
22	130	4	4								100	4	2			90	2	4		
23	130	4	6								102	3	6			90	2	6		

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	4	2			55	4	2			47	7	4			31	9	4		
01	61	5	5			55	4	3			47	4	2			29	12	4		
02	61	3	5			57	2	5			47	2	2			29	8	5		
03	59	4	3			55	4	2			47	9	4			28	6	4		
04	59	4	5			55	2	2			45	6	4			27	2	5		
05	57	6	6			55	2	4			45	4	5			29	8	8		
06	45	8	5			46	3	4			43	2	5			31	8	8		
07	39	8	4			32	8	5			35	4	5			33	9	5		
08	37	8	6			29	9	5			29	6	3			33	9	6		
09	35	8	5			25	4	2			27	10	4			35	10	6		
10	33	11	4			25	3	6			29	4	6			35	10	6		
11	36	9	5			23	4	4			27	10	6			33	10	6		
12	33	10	2			23	5	5			25	9	6			35	9	9		
13	35	10	4			23	10	4			29	9	9			33	16	4		
14	41	6	9			25	12	7			33	8	9			46	11	15		
15	43	12	10			29	15	6			39	6	11			37	13	6		
16	44	15	11			33	15	8			41	6	6			39	11	6		
17	44	16	8			38	13	6			46	4	5			39	12	6		
18	45	15	4			49	7	8			51	5	6			45	8	12		
19	56	9	6			57	4	4			49	5	2			43	13	8		
20	63	6	5			57	4	4			49	3	4			39	13	8		
21	63	4	4			55	6	2			47	4	2			37	8	6		
22	63	5	4			55	5	3			47	3	3			33	9	4		
23	63	3	5			55	4	4			47	3	4			33	11	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 São José, Brazil Lat. 23.3 S Long. 45.8 W Month June 1960

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_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}
00	120	17	6	7.5	12.0*	106	24	5	5.0	8.5	94	18	12	8.0	12.0	83	11	9	5.0	10.0	56	12	4	*7.5	*12.0	56	10	8	6.5	10.0	44	6	6	*8.0	*12.0	21	5	4	*3.0	*5.0
01	118	18	4	10.0	14.5	111	18	11	7.0	12.0	94	18	10	8.0	12.0	81	13	7	5.0	9.5	54	14	2	7.5	11.5	54	11	6	8.5	12.5	42	8	4	6.5	10.0	24	5	4	*3.0	*5.0
02	122	15	7	9.0	15.0	109	20	8	7.5	12.0	94	15	8	8.0	12.0	82	11	10	7.0	11.0	54	16	4	5.5	11.0	56	12	8	4.0	9.5	42	8	4	5.5	9.5	24	4	4	2.5	5.0
03	122	15	7	9.0	15.0	111	19	9	7.0	12.5	94	15	8	8.0	13.0	80	14	7	7.0	13.0	56	15	5	4.5	10.5	54	13	5	6.5	11.0	40	10	4	*4.0	*9.5	22	4	2	2.5	4.0
04	123	13	7	9.0	14.0	112	17	10	10.0	14.5	94	14	12	7.5	12.0	78	14	8	7.5	13.0	56	12	8	6.0	11.5	54	10	6	*5.0	*8.0	38	6	4	5.0	7.5	22	5	2	2.0	4.0
05	122	13	7	*9.5	*14.0	113	18	13	8.5	13.0	90	21	8	9.0	15.0	81	10	12	5.0	13.0	56	14	9	6.5	12.0	54	10	6	5.0	8.0	36	5	4	*4.5	*7.0	24	2	4	3.0	5.0
06	124	10	10	11.5	17.0	110	15	16	8.0	14.0	78	18	6	*7.5	*12.5	78	5	9	*5.0	*9.0	56	10	10	6.5	12.5	60	7	10	*3.5	*7.0	38	3	2	*5.0	*8.0	24	3	4	*2.0	*4.0
07	116	11	12	14.0	21.0	96	14	6	5.0	8.5	72	16	9	5.0	8.5	78	3	17	*4.0	*10.0	48	8	12	*5.0	*9.5	54	8	8	*4.0	*9.0	42	7	7	6.0	11.0	22	5	2	*3.0	*5.0
08	112	14	12	13.0	21.0	94	17	5	*2.5	*5.0	*74					80	6	13			44	10	8	*7.0	*11.0	44	8	6	*5.5	*10.0	44	2	8	*3.5	*6.0	24	5	6	*2.0	*5.0
09	106	20	6	9.5	16.0	94	18	4	2.5	5.0	75	18	9	*5.0	*7.5	80	6	12			38	12	6	*7.0	*11.0	42	9	12	*6.0	*10.0	40	5	8	*8.5	*12.5	24	6	6	*6.0	*7.5
10	110	18	10	11.0	16.0	96	15	6	4.0	9.0	78	8	11	*11.0	*13.5	80	6	4			36	14	5	6.0	10.5	38	11	4	*5.5	*11.0	38	6	7	*7.0	*11.0	22	7	4	3.5	6.5
11	112	15	12	9.0	14.5	96	16	6	3.5	8.0	76	10	10	*6.5	*12.5	82	4	12			32	19	3	*5.0	*8.5	38	17	8	*7.0	*9.0	38	5	8	*6.0	*10.0	22	7	4	4.5	7.5
12	111	17	10	*11.0	*16.0	97	15	7	4.0	7.0	76	10	8	6.5	10.5	78	6	8	*5.0	*9.0	32	19	4	*4.0	*8.0	36	17	4	*7.0	*12.0	34	8	5	*6.0	*10.0	24	3	5	*4.0	*7.0
13	116	12	16	11.0	16.0	97	17	9	4.5	10.0	74	11	8	*5.0	*10.5	82	6	10	*7.0	*11.0	34	17	5	*7.5	*10.0	38	12	6	*7.0	*11.5	38	6	7	7.0	10.5	24	6	4	3.0	6.0
14	115	14	15	10.5	15.0	96	20	6	4.0	9.0	78	10	12	5.0	9.0	86	4	4	*5.0	*10.0	34	13	4	*3.0	*5.5	38	14	6	6.0	10.0	38	8	6	*5.5	*9.0	28	4	6	3.0	5.0
15	116	13	15	8.0	13.0	96	20	6	2.5	8.0	76	15	10	3.5	14.5	82	6	9			35	15	6	*5.0	*7.5	44	10	8	*6.5	*10.5	40	6	7	*4.0	*8.0	28	6	4	2.5	4.0
16	114	16	12	9.5	13.5	93	24	3	2.0	6.0	78	16	10	6.0	8.5	84	8	6	*3.0	*8.0	40	14	8	*4.0	*9.0	48	10	6	*6.0	*10.0	43	6	6	*4.0	*8.0	30	6	4	3.5	6.5
17	115	16	14	9.0	16.5	96	22	6	2.5	6.5	80	15	11	5.0	10.0	82	7	6	*7.0	*13.0	49	10	10	*4.0	*7.5	56	8	6	5.0	11.0	44	8	5	*5.5	*8.5	31	5	5	*4.0	*7.5
18	119	14	15	5.0	9.5	100	23	9	4.0	8.0	84	19	11	*7.0	*12.0	84	8	5	*7.0	*11.0	54	10	8	*5.0	*9.0	60	8	8	*5.0	*9.0	44	10	2	4.5	8.5	29	8	5	*3.0	*6.0
19	120	15	10	6.0	11.0	102	25	8	4.0	7.5	86	23	10	5.5	10.5	78	16	5	2.5	6.5	55	14	4	5.0	9.0	58	12	6	*5.0	*9.0	44	9	2	5.0	8.5	28	6	4	2.5	5.0
20	116	20	4	6.5	11.0	103	26	7	5.0	8.0	87	26	9	7.0	13.5	89	12	9	7.0	11.0	56	12	2	*5.0	*9.0	60	10	6	*4.0	*7.5	46	8	4	*5.0	*8.5	29	5	9	*4.0	*7.5
21	119	17	9	7.0	12.0	103	27	7	4.0	9.0	89	26	9	6.0	11.5	84	14	6	5.0	10.0	58	14	6	*5.0	*10.0	60	8	8	*4.5	*8.0	46	7	4	*5.0	*10.0	28	8	8	*5.0	*8.5
22	118	20	6	7.0	12.0	105	26	9	4.5	9.0	83	24	10	6.0	10.0	86	11	4	*9.0	*15.0	56	16	2	4.0	9.0	60	8	6	*4.5	*8.0	45	6	5	*5.0	*9.0	28	7	6	*4.0	*7.0
23	119	17	6	10.5	13.0	106	24	8	6.0	10.0	85	22	8	8.0	13.0	82	12	6	5.5	10.0	56	14	2	5.0	10.0	58	8	4	*5.0	*8.5	44	10	4	*6.0	*10.0	26	7	6	*2.5	*5.0

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

MONTH-HOUR VALUES OF RADIO NOISE

Station São José, Brazil Lat. 23.3 S Long. 45.8 W Month July 19 60

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	118	8	6	8.0	12.0	104	12	8	6.0	10.0	90	8	9	6.0	10.0	77	6	4	*5.5	*8.0	52	10	3	*7.0	*8.5	51	8	6	4.5	8.0	42	4	4	*7.0	*10.0	24	6	2	2.0	4.0
01	118	8	4	9.0	14.0	104	16	6	6.5	10.0	92	8	10	6.5	10.5	77	8	6	6.0	10.0	54	8	6	*5.0	*9.0	49	12	6	5.0	8.0	42	4	4	5.0	8.0	24	2	4	1.5	3.5
02	119	11	5	8.0	14.0	104	16	6	6.5	11.5	89	17	9	*8.0	*13.0	77	8	6	7.0	11.0	52	12	6	6.0	9.5	53	8	8	6.5	10.0	40	6	4	*5.0	*8.5	24	2	4	2.0	3.0
03	118	13	2	9.5	14.0	102	17	4	*5.0	*9.0	88	11	7	*8.0	*13.0	75	10	7	7.0	13.0	52	10	6	*6.0	*10.0	53	6	6	4.0	7.5	40	6	4	*5.0	*8.0	24	2	2	2.0	3.5
04	120	10	4	10.5	16.0	104	16	8	8.5	14.0	88	12	8	*7.0	*13.0	75	10	10	7.5	13.0	51	11	5	6.0	10.0	47	12	2	5.0	9.0	36	8	4	3.5	6.0	24	0	4	1.0	3.0
05	120	8	4	10.0	16.5	102	14	6	7.0	12.5	86	12	6	7.0	12.0	71	12	8	7.0	12.5	48	12	4	*6.5	*11.0	48	9	3	*6.0	*9.0	35	7	5	3.0	5.0	22	2	2	1.5	3.0
06	120	9	6	10.0	16.0	100	16	6	*7.5	*14.0	76	18	8	*7.0	*11.5	79	4	6	*4.0	*7.5	52	10	10	*6.0	*10.0	55	6	10	*5.5	*8.5	36	6	2	3.5	5.5	24	1	3	*1.5	*3.5
07	110	13	4	9.0	14.0	91	9	1	*3.5	*8.5	71	5	4	*5.0	*8.0	77	6	4	*6.0	*9.0	40	10	4	*6.0	*10.0	51	8	6	*5.5	*9.0	40	6	6	*5.0	*7.5	24	4	4	1.5	3.0
08	106	12	6	*12.0	*17.5	*94			4.5	8.0	*76			*5.0	*7.0	85	4	10	*8.0	*12.0	36	5	2	5.0	8.0	*43					38	6	8	*3.5	*6.5	22	4	2	*2.5	*4.5
09	106	10	6			91	7	3	2.5	6.5	74	6	7			85	2	10			34	7	4	*5.0	*7.5	38	4	6	*6.5	*10.0	36	5	6	*7.0	*6.0	24	7	4	4.5	7.0
10	104	17	4	*15.0	*20.5	92	10	2	3.0	7.0	74	9	3	*7.5	*15.5	83	5	3			34	3	4	6.5	9.0	39	2	8	*7.5	*7.5	34	6	3	*6.0	*9.0	22	8	2	*5.5	*9.5
11	105	15	3	*16.0	*20.0	92	10	2	3.0	7.5	76	6	6	*9.5	*14.5	81	6	2	*7.5	*12.0	32	4	4	*4.0	*5.5	35	2	6			34	6	4	*5.0	*8.5	22	8	4	*2.5	*4.5
12	104	14	2	*15.5	*19.0	92	6	2	*3.0	*7.5	72	10	6	*8.0	*14.5	81	6	8	*7.0	*11.0	30	4	2	*4.0	*5.5	33	5	4	*6.0	*10.0	32	4	4	*5.0	*8.0	22	6	2	*3.0	*6.0
13	106	10	6	*6.5	*10.0	92	8	4	3.0	6.0	72	9	5			85	4	7	*5.5	*8.0	32	5	4	6.0	9.0	33	5	4			36	4	4	*7.0	*9.0	24	4	2	3.5	5.0
14	106	12	6	*8.0	*12.0	92	8	4	3.0	7.0	70	10	4	*4.5	*7.0	85	4	4	*7.0	*10.5	33	5	5	*5.5	*8.0	36	7	7			34	6	6	*5.0	*7.0	24	7	2	*4.0	*7.0
15	106	8	4	*10.0	*15.5	92	4	5	3.0	7.0	71	10	5	*3.5	*6.0	85	4	8			32	7	2	5.0	6.5	38	9	8	*4.5	*9.0	34	6	2	5.0	7.0	26	4	2	*4.5	*7.5
16	106	11	7	*11.0	*16.0	92	4	4	3.0	8.0	70	12	4	*3.0	*6.0	85	4	8			34	6	2	*5.0	*7.5	43	10	4	*6.0	*8.5	40	4	4	4.5	7.0	26	6	2	3.0	6.0
17	104	12	2	*7.5	*12.5	92	6	2	2.5	6.0	74	10	8	*7.5	*9.0	85	2	6	*6.0	*12.0	40	8	4	*6.5	*8.5	49	6	4	*5.0	*8.0	42	4	2	*3.5	*6.0	28	2	2	*4.0	*6.0
18	108	9	6	*5.0	*9.0	93	15	3	2.5	6.0	78	9	7	*5.0	*7.0	83	4	3			48	4	4	*3.5	*7.0	57	6	8	*4.0	*8.5	44	3	4	*6.0	*10.0	30	3	5	2.5	5.0
19	112	7	4	5.0	8.5	96	11	2	3.5	7.0	80	6	4	*7.5	*12.0	77	8	8	*4.0	*6.0	52	6	4	*5.0	*7.5	54	7	5	*4.0	*8.0	44	4	2	*4.5	*8.0	30	3	4	3.5	5.5
20	116	6	6	8.0	13.0	100	12	6	*5.5	*9.5	86	4	8	7.5	12.5	87	4	6	*5.5	*10.0	54	6	4	*5.0	*8.0	55	6	6	*6.0	*9.0	46	4	4	4.0	7.0	28	6	4	3.0	5.0
21	114	10	3	*6.0	*10.5	98	11	4	4.5	9.0	88	2	10	*7.0	*11.0	83	5	3	*4.0	*7.0	56	5	6	*4.0	*7.0	55	6	4	*3.0	*7.0	46	5	5	*4.0	*7.0	28	5	5	*3.0	*4.5
22	118	8	6	*7.5	*12.5	100	14	4	6.0	10.0	87	9	9	7.5	12.5	87	4	4	*7.0	*10.5	56	6	4	5.0	8.0	55	6	4	4.0	7.0	44	2	2	4.5	7.0	26	6	2	*2.5	*4.5
23	117	9	5	7.0	11.5	100	16	4	6.0	11.0	88	8	6	*8.0	*13.0	85	8	6	*7.0	*12.0	56	8	6	*4.5	*7.5	57	4	6	*5.0	*8.5	42	2	4	*4.5	*7.5	24	6	2	2.0	3.5

F_{am} = median volue af 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} = medion deviation of average voltage in db below mean pawer
L_{dm} = median deviotion of overoge 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 August 1960

Hour (LST)	Frequency (Mc)																																					
	.051					.113					.246					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	126	14	8	8.5	13.5	116	14	14	*10.5	*19.0	94	18	8	9.0	16.0	85	12	10	*5.5	*10.0	60	11	13	5.5	9.0	57	13	13	*2.5	*6.5	47	8	10	9.5	13.0	26	9	5	*4.5	*7.0
01	128	12	10	11.5	17.5	116	14	14	9.0	15.0	98	13	10	8.0	15.0	87	9	12	12.5	*9.5	63	12	13	6.0	11.0	58	12	14	*5.0	*10.0	49	6	10	8.0	12.0	25	5	2	*3.5	*7.5
02	129	11	9	9.0	15.5	116	14	14	8.5	17.0	98	12	10	*7.0	*12.5	83	12	10	*8.0	*13.5	59	14	14	6.0	9.5	54	14	10	*4.5	*8.0	47	8	10	5.5	9.0	25	8	4	*2.0	*4.0
03	129	11	7	13.0	19.0	118	12	14	*10.0	17.0	98	12	10	*7.5	*5.0	85	8	12	*9.0	*15.0	61	12	14	6.5	10.0	55	13	9	*7.5	*12.5	41	14	6	4.0	8.0	23	4	2	4.0	6.0
04	130	10	10	10.0	17.5	118	11	13	10.0	18.0	97	11	14	*5.0	*10.5	84	10	14	6.0	12.5	63	12	13	7.0	11.5	54	14	9	*7.5	*12.5	39	13	5			23	6	1	*3.0	*5.5
05	128	12	8	9.0	16.5	114	14	14	11.0	18.0	92	14	12	*11.5	*17.0	79	12	14	*11.5	*20.5	55	17	10	7.0	12.0	50	16	6	*7.0	*13.0	37	14	4	5.0	7.5	23	4	2	4.0	6.5
06	126	14	6	10.0	17.5	102	20	8	*8.5	*15.0	80	15	10	*4.0	*10.0	79	4	11	*12.0	*19.0	59	12	14	5.5	9.5	58	12	10	*10.0	*7.5	37	14	4	2.5	6.0	23	2	2	3.5	6.0
07	125	8	16	11.5	18.5	98	16	7	9.0	15.0	74	18	7	*11.0	*15.0	79	7	8	*9.0	*14.0	43	13	8	*6.0	9.0	52	6	10	*3.5	*6.5	43	10	9	3.0	7.0	23	7	3	*4.5	*7.5
08	122	8	16	*14.0	*22.5	*98			*14.0	*18.5	*76					83	4	12	*9.0	*14.0	38	7	6	6.5	9.0	*42					*43			8.0	12.0	23	8	2	*3.0	*5.0
09	118	9	13	12.0	21.0	98	14	8	*6.0	*11.5	78	15	7	*10.0	*21.0	81	6	8			35	3	8	*3.5	*7.0	40	4	7	*10.5	*15.0	40	7	9	3.5	6.5	23	12	4	*3.5	*5.0
10	122	6	8	8.5	16.5	100	12	14	*11.0	*16.5	78	13	8	*10.0	*18.0	81	5	10	*5.0	*10.0	33	6	5	5.0	8.5	40	3	10	*8.0	*13.0	37	9	11	3.0	6.0	24	8	5	*5.0	*7.5
11	118	10	4	12.0	18.0	98	14	12	7.0	14.0	80	8	10	*8.0	*14.0	81	6	5			31	8	4	*3.5	*8.5	34	6	8	*5.0	*8.0	33	8	6	2.0	6.0	23	7	4	*3.5	*5.5
12	122	6	8	10.0	18.0	98	12	10	8.0	15.0	78	12	8	*7.5	*12.0	83	4	4	*3.0	*6.0	30	5	5	2.5	5.0	32	6	6			29	11	4	4.0	7.0	23	6	4	3.0	5.0
13	120	8	14	11.0	20.0	101	8	12	6.5	13.5	78	11	11	*6.0	*9.0	87	4	8	*2.0	*5.5	31	6	2	*7.0	*9.0	36	6	9	*10.0	*14.0	33	12	9	5.0	8.0	25	6	5	*4.0	*6.0
14	120	6	14	10.0	18.0	96	16	6	*8.5	*14.5	78	8	8	*3.0	*5.0	85	4	5	*2.0	*5.5	33	8	4	*6.0	*6.0	38	6	10	*7.0	*8.5	33	10	4	4.5	8.0	25	6	4	*4.5	*7.5
15	116	12	8	10.0	16.5	97	13	7	*8.0	*13.5	78	10	10	*10.0	*16.0	83	6	4			33	6	4	*5.0	*6.5	36	6	6			35	10	6	5.0	6.5	27	2	4	*4.0	*7.5
16	116	11	6	6.5	11.0	94	16	6	*8.0	*15.5	76	13	7	*7.0	*16.0	83	6	2			35	6	6	*4.5	*7.5	42	7	7	*7.0	*11.0	39	10	6	3.5	5.5	27	4	4	*3.5	*6.0
17	114	14	6	7.5	15.0	94	24	4	*7.0	*12.0	80	12	10	*5.5	*9.0	85	6	4	*6.5	*11.0	38	11	5	*5.0	*7.5	48	12	6	*7.5	*12.0	41	8	4	4.5	7.5	28	5	5	*5.5	*9.0
18	116	18	8	7.0	15.5	100	22	10	*10.5	*15.5	84	18	8	*8.0	*12.0	85	6	6	*3.5	*7.0	47	14	6	*6.0	*8.5	58	8	6	*9.0	*13.5	43	10	4	3.5	6.5	29	4	4	*4.5	*8.0
19	125	13	13	6.0	10.0	106	22	9	*11.0	*20.0	86	19	8	*3.5	*7.0	81	9	8	*8.0	*11.5	55	14	8	*5.0	*7.5	62	7	11			47	6	6	7.5	10.5	33	5	6	*6.0	*8.0
20	126	14	12	6.0	11.5	110	16	14	*6.5	*11.0	89	15	7	*6.5	*9.0	87	6	8	*6.5	*7.5	59	10	11	*3.5	*6.5	59	9	9	*5.0	*9.5	47	8	6	5.0	8.0	31	4	4	*4.0	*6.0
21	126	12	10	8.5	15.0	112	14	12	9.0	14.5	93	14	11	*9.0	*14.5	87	8	4	*6.0	*10.0	59	14	8	*6.0	*9.5	62	8	6	*8.5	*13.0	49	6	6	6.5	9.0	29	4	2	*6.0	*9.0
22	127	13	7	8.0	13.5	116	11	14	8.5	11.0	94	16	10	*6.5	*9.0	87	8	2	*10.0	*16.5	59	14	4	*5.0	*7.5	63	8	11	*8.0	*7.5	49	6	6	4.5	9.5	29	4	4	*5.0	*8.0
23	126	14	10	10.0	16.0	112	16	10	5.0	9.5	96	12	10	8.0	14.0	90	7	5	*7.0	*13.5	63	10	2	*5.0	*8.0	64	8	14	*8.0	*11.5	47	8	6	7.5	12.0	27	8	4	*2.5	*5.0

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Singapore, Malaya Lat. 1.3 N Long. 103.8 E Month June 1960

Frequency (Mc)

Hour (LST)	.013					.051					.160					.545				
	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}
00	161	4	3			140	3	4			122	4	4			97	6	6		
01	161	5	2			140	7	3			123	4	4			97	4	5		
02	161	5	2			140	8	2			123	4	4			96	5	4		
03	161	4	2			142	4	4			123	4	4			96	4	5		
04	161	6	2			141	6	3			121	8	3			94	10	3		
05	161	7	2			140	8	3			119	9	6			91	10	10		
06	161	5	4			136	8	6			117	9	19			88	15	21		
07	160	7	4			138	8	10			115	14	14			85	16	23		
08	161	6	4			134	10	8			111	19	13			81	19	16		
09	159	10	4			134	10	6			110	17	11			79	24	18		
10	161	6	4			134	9	7			111	17	13			81	23	19		
11	161	5	5			135	13	9			113	14	15			83	23	22		
12	161	8	6			134	15	7			109	21	10			82	19	17		
13	161	8	4			136	10	7			117	14	17			96	14	28		
14	163	6	4			140	8	12			121	13	17			96	18	24		
15	165	4	7			142	8	10			121	8	15			97	12	19		
16	165	4	5			139	7	8			117	12	11			90	14	15		
17	163	4	4			138	5	6			115	6	9			89	8	6		
18	161	6	2			138	7	8			119	6	6			94	10	4		
19	161	4	3			140	3	4			121	5	5			95	8	4		
20	161	6	4			140	4	5			121	4	4			97	4	6		
21	161	6	4			140	4	5			121	4	5			95	6	5		
22	161	4	3			138	4	3			121	4	4			97	4	6		
23	161	5	4			140	4	5			121	4	4			97	4	4		

Hour (LST)	2.5					5					10					20				
	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}
00	64	4	4			58	3	6			46	3	2			28	3	3		
01	64	6	4			58	4	3			44	5	1			26	2	4		
02	64	6	4			58	6	4			44	2	4			24	3	2		
03	64	5	2			58	5	3			42	4	4			23	3	1		
04	64	6	3			58	5	5			40	3	5			24	1	2		
05	64	8	4			56	6	5			38	6	5			24	2	2		
06	56	8	6			52	8	5			42	3	4			25	4	3		
07	48	16	13			49	9	9			40	5	6			26	3	4		
08	37	18	9			39	11	5			34	9	4			24	6	4		
09	36	25	7			37	17	11			32	10	4			24	4	4		
10	38	24	12			37	16	12			32	9	6			23	6	3		
11	36	30	10			32	26	10			30	10	8			22	10	2		
12	38	28	12			31	27	10			30	14	6			24	5	4		
13	52	19	26			42	19	20			34	12	8			24	13	2		
14	57	18	28			49	10	24			38	11	9			26	12	4		
15	60	16	28			50	12	14			39	5	8			26	6	4		
16	56	11	16			50	8	6			41	8	4			26	5	2		
17	56	12	10			52	8	4			44	2	2			28	2	2		
18	62	7	4			60	2	6			46	2	2			28	2	2		
19	66	6	4			64	6	4			46	4	0			28	2	4		
20	68	4	6			66	5	6			48	2	2			30	2	3		
21	66	5	5			62	3	4			48	2	2			30	3	4		
22	66	4	4			60	4	5			48	2	2			30	5	3		
23	64	6	4			60	2	4			48	2	4			30	3	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

MONTH-HOUR VALUES OF RADIO NOISE

Station Singapore, Malaya Lat. 1.3 N Long. 103.8 E Month July 1960

Frequency (Mc)

Hour (LST)	.013					.051					.160					.545				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	159	4	2			139	5	4			121	4	6			97	4	8		
01	159	4	4			139	6	2			121	5	5			95	7	6		
02	159	4	4			139	5	4			121	5	6			95	8	7		
03	159	6	4			139	7	3			119	8	4			91	10	4		
04	159	6	5			137	9	3			117	9	4			89	11	4		
05	159	4	4			137	6	4			115	6	7			81	10	5		
06	159	3	5			131	7	8			100	14	8			71	18	12		
07	157	4	4			129	13	7			98	17	8			67	25	8		
08	157	2	4			129	6	8			101	10	10			67	12	10		
09	157	4	4			127	6	6			97	14	8			63	16	8		
10	155	4	2			129	2	6			99	16	6			63	16	8		
11	157	2	4			129	9	5			100	12	8			71	27	12		
12	157	7	4			131	13	6			103	18	7			75	27	16		
13	159	6	4			133	13	5			108	19	13			87	20	20		
14	162	6	5			138	11	9			115	13	18			89	17	13		
15	163	6	5			137	11	7			111	16	7			87	19	12		
16	165	3	6			137	12	6			113	13	9			87	19	12		
17	163	5	6			137	7	8			109	14	7			87	11	11		
18	161	6	4			137	6	5			117	4	6			95	6	8		
19	161	6	4			140	4	6			121	2	8			95	6	6		
20	159	5	4			139	6	6			119	4	6			95	4	8		
21	159	4	2			139	2	5			121	2	8			95	6	8		
22	159	4	4			139	4	4			121	2	6			97	3	8		
23	159	4	4			139	4	2			121	2	5			95	6	4		

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	63	4	5			56	5	5			46	3	2			29	2	4		
01	63	5	6			56	5	5			48	6	4			27	6	2		
02	61	7	6			56	5	6			46	6	2			25	2	2		
03	61	8	5			56	5	7			42	6	3			25	0	2		
04	59	10	5			54	8	4			40	4	4			23	2	0		
05	59	9	6			52	8	2			40	3	5			23	2	0		
06	53	5	10			50	4	4			40	3	2			25	2	2		
07	41	11	9			40	9	9			36	4	5			25	4	2		
08	32	14	3			34	8	8			32	4	4			23	10	2		
09	31	10	6			32	4	8			28	6	4			23	2	2		
10	31	10	4			32	5	6			28	6	6			23	0	2		
11	31	7	6			28	15	6			26	8	4			21	4	0		
12	27	29	2			26	20	5			28	10	6			23	7	2		
13	35	20	9			30	27	5			30	14	5			25	4	3		
14	41	26	12			40	19	9			34	10	7			25	7	2		
15	45	22	13			42	13	9			36	8	4			27	5	2		
16	47	20	12			46	11	8			42	4	6			29	3	3		
17	53	14	7			52	6	6			44	4	2			29	3	2		
18	63	5	10			58	5	2			46	4	2			29	6	4		
19	67	7	7			64	2	4			48	2	4			29	2	4		
20	67	4	6			66	4	4			48	3	2			29	9	2		
21	65	5	6			60	9	2			48	3	2			31	2	4		
22	63	7	4			60	5	4			48	6	2			31	3	2		
23	63	7	5			58	4	4			48	4	4			29	4	2		

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Singapore, Malaya Lat. 1.3 N Long. 103.8 E Month August 1960

Frequency (Mc)

Hour (LST)	.013					.051					.160					.545				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	160	5	5			141	6	6			123	4	7			96	6	6		
01	161	5	5			141	7	6			123	8	6			96	6	7		
02	159	9	2			140	9	5			123	6	7			95	8	5		
03	159	9	2			139	8	4			121	8	5			95	7	5		
04	159	7	2			139	9	3			121	8	4			94	8	4		
05	159	8	2			139	9	6			121	7	10			92	11	7		
06	159	6	2			135	8	7			115	12	10			86	16	17		
07	159	5	5			136	5	9			116	9	13			86	13	14		
08	159	8	6			135	6	11			115	9	20			80	16	17		
09	159	4	7			133	8	11			111	12	14			76	26	12		
10	158	7	5			131	11	6			113	8	15			80	14	14		
11	157	9	5			133	13	6			113	15	10			86	21	15		
12	159	8	6			135	14	10			117	14	18			94	18	22		
13	161	9	6			137	15	10			122	13	23			102	12	30		
14	164	12	7			141	15	14			123	16	14			102	16	26		
15	161	11	4			143	8	12			123	10	14			97	11	15		
16	162	9	4			141	11	11			123	11	16			95	17	14		
17	161	7	4			139	6	10			115	15	8			90	14	7		
18	159	8	4			137	6	6			121	4	6			96	5	6		
19	159	6	4			139	8	6			122	3	9			96	4	6		
20	159	6	4			139	6	6			123	2	9			94	6	6		
21	161	4	4			141	6	6			121	4	6			94	6	4		
22	159	6	2			140	4	5			121	4	6			94	6	2		
23	159	8	2			139	6	4			123	4	10			96	6	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	4	5			60	2	2			45	4	0			28	3	2		
01	67	4	4			60	2	4			47	6	4			26	2	2		
02	66	5	4			60	4	3			45	3	2			25	4	1		
03	67	5	5			60	4	2			43	4	2			24	4	1		
04	69	2	8			60	4	2			41	5	4			24	4	2		
05	67	4	4			60	3	6			41	3	4			24	5	0		
06	61	5	7			56	4	6			43	3	5			26	6	2		
07	51	8	13			49	7	7			41	5	6			36	12	12		
08	45	11	14			42	5	10			37	4	10			36	12	14		
09	41	14	8			38	10	8			35	5	12			24	12	2		
10	38	19	7			34	13	7			33	4	10			24	7	2		
11	35	33	2			36	24	12			33	8	12			24	8	2		
12	32	40	5			34	26	10			33	10	12			26	10	4		
13	57	20	26			50	14	24			37	13	10			26	15	4		
14	61	23	30			48	22	20			38	19	10			26	15	4		
15	58	26	25			50	12	16			39	8	6			27	8	3		
16	53	21	14			48	14	10			41	8	4			28	13	2		
17	55	23	8			52	6	8			45	5	2			28	14	2		
18	61	6	8			60	4	4			45	4	0			28	5	2		
19	65	6	4			64	2	4			47	2	2			26	4	2		
20	65	4	4			65	7	5			47	2	2			30	4	4		
21	67	2	4			62	6	4			47	5	0			30	3	2		
22	65	4	4			60	4	4			47	4	1			30	4	2		
23	65	6	5			60	5	4			47	2	2			30	6	4		

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Thule, Greenland Lat. 76.6 N Long. 68.7 W Month June 19 60

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	147	4	6	*2.0	*4.5	117	5	3	2.5	5.0	85	10	6	*6.5	*9.0	78	6	4	*16.0	*19.5	77	8	2			61	10	6			33	4	8			26	8	4		
01	147	6	6	*2.0	*4.5	116	4	2	*3.0	*4.0	87	6	8	7.5	11.0	78	6	4	*16.5	*21.5	77	8	6			61	10	4			32	7	9			26	6	4		
02	147	6	6	*2.0	*3.5	116	4	2	3.0	5.0	85	8	8	11.0	13.5	76	8	4	*18.0	*22.5	77	8	6			61	10	4			33	4	10			26	8	6		
03	147	6	6	*2.0	*3.0	116	2	4	2.0	4.0	85	8	6	*9.0	*11.5	77	5	3	*15.5	*18.0	77	8	2			61	10	6			33	6	8			26	6	4		
04	147	6	6	*2.0	*4.0	116	4	4	*2.5	*5.0	85	8	6	7.5	11.0	77	7	5	*17.0	*22.5	77	8	4			61	10	6			31	6	6			26	8	4		
05	145	8	4	*2.0	*4.0	116	4	4	*2.0	*4.0	85	6	6	8.5	11.0	78	4	4	*16.0	*21.5	77	8	6			61	10	4			31	6	6			26	6	4		
06	145	8	4	*2.0	*3.5	116	4	4	*2.5	*4.0	85	6	6	*7.5	*10.0	77	5	3	*16.0	*22.0	77	6	6			60	9	3			31	6	6			26	6	4		
07	145	7	3	*2.0	*4.0	116	4	4	*3.0	*4.0	*84			*9.5	*12.0	*76			*18.5	*23.0	77	4	2			61	8	6			*29					*27				
08	*145					116	4	2	*2.0	*4.5	87	8	6	*7.0	*10.5	76	4	2	*17.0	*22.0	77					61	6	4			33	2	8			26	10	6		
09	147	6	6	*2.0	*3.5	116	4	4	*3.5	*4.0	87	11	6	*8.5	*12.0	78	4	4	17.0	22.0	79	4	5			61	12	8			31	10	8			28	7	6		
10	145	8	4	*2.0	*3.5	118	2	4	2.5	5.0	86	11	5	*7.5	*11.0	76	12	2	*16.5	*20.0	79	4	4			61	9	7			33	6	8			28	6	5		
11	145	8	8	*1.5	*3.0	116	4	4	2.5	4.5	85	10	6	*8.5	*11.5	76	12	2	*16.5	*21.0	77	12	2			61	12	4			31	8	8			28	8	8		
12	145	6	5	*2.0	*3.5	116	10	4	*6.0	*4.0	87	8	4	10.0	11.5	76	6	4	*15.5	*20.5	77	4	6			62	9	7			33	6	10			28	6	8		
13	145	8	4	*2.0	*3.5	118	8	6	3.0	4.0	87	8	8	9.0	12.0	78	6	4	*16.0	*21.5	79	5	4			61	10	10			31	8	8			30	4	8		
14	145	8	4	*2.0	*3.0	118	2	6	2.5	4.5	87	4	6	*7.5	*9.5	78	6	6	*15.0	*17.0	79	5	4			63	10	8			35	8	12			28	10	8		
15	145	8	4	2.5	4.0	118	2	4	3.0	4.5	87	6	8	*9.5	*13.0	78	6	4	*16.0	*22.0	79	6	6			63	10	6			35	4	12			30	4	10		
16	145	8	4	3.5	5.0	116	12	2	3.0	4.5	85	12	6	*9.0	*12.5	78	6	6	*16.0	*20.0	79	8	6			63	10	8			33	6	10			26	8	6		
17	145	6	4	3.0	4.0	118	8	6	3.5	5.0	87	14	8	*10.0	*12.5	76	8	4	17.0	21.0	77	10	2			61	12	4			35	2	12			27	7	7		
18	145	6	6	3.0	5.0	116	14	4	4.0	5.0	85	16	6	*9.0	*12.0	78	6	6	*14.5	*20.0	77	8	2			63	10	8			31	2	8			25	9	5		
19	145	8	4	2.5	4.0	118	12	6	2.5	4.5	87	16	8	*8.0	*11.0	78	4	8	*14.0	*19.5	77	10	4			62	9	11			33	6	10			28	10	8		
20	145	8	4	*3.0	*4.0	118	6	4	2.5	4.5	87	14	8	10.0	14.0	78	4	6	*17.0	*22.0	77	8	2			61	10	8			33	6	10			26	10	6		
21	145	8	4	2.5	5.0	116	10	2	2.5	3.5	85	12	6	8.0	11.0	78	6	6	*16.5	*21.0	79	6	4			63	8	8			33	6	10			26	8	6		
22	147	6	6	3.0	4.0	118	8	4	2.5	4.0	85	12	6	*9.0	*10.0	78	6	6	*16.0	*18.0	77	8	2			62	9	7			33	8	8			25	11	5		
23	145	8	4	2.0	4.5	118	10	4	2.5	5.0	85	6	8	7.0	11.5	77	7	3	*16.0	*21.0	78	7	3			61	10	6			32	9	7			26	8	6		

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Thule, Greenland Lat. 76.6 N Long. 68.7 W Month July 1960

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	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	145	2	4	2.0	2.5	118	2	5	3.0	4.0	80	2	4	6.5	9.0	76	4	4	16.5	21.5	87					72					43					39				
01	145	4	4	2.0	2.5	116	3	4	2.5	3.5	78	4	4	7.5	9.5	76	4	4	18.0	21.0	87					71					45					39				
02	143	4	2	2.0	2.5	116	3	4	2.5	3.0	80	4	6	8.0	9.0	76	4	2	17.5	21.0	87					72					46					39				
03	143	4	2	2.0	2.5	116	2	5	2.5	3.0	80	2	6	8.0	9.0	76	2	4	18.0	20.5	87					71					43					38				
04	143	4	2	2.0	2.5	116	3	5	2.5	3.0	80	2	6	7.0	9.0	76	4	2	17.5	21.5	87					71					47					37				
05	143	4	2	2.0	2.5	116	5	5	2.5	3.5	80	2	6	7.0	8.0	76	4	4	18.0	19.5	87					72					49					35				
06	143	4	2	2.0	3.0	116	3	5	3.0	4.0	80	2	4	7.5	10.0	76	4	4	15.5	19.0	87					72					49					35				
07	143	4	2	2.0	3.0	116	3	4	3.0	3.5	80	8	6	7.0	9.0	*76			17.0	20.0	87					71					42					37				
08	*144			1.5	2.5	116	5	4	2.5	4.0	80	4	3	9.0	11.5	76	6	2	18.0	21.0	87					71					43					40				
09	145	2	4	2.0	3.0	116	4	4	2.5	3.5	80	6	4	8.0	9.5	76	4	2	15.5	18.5	87					70					41					42				
10	145	3	4	2.0	3.0	116	3	5	3.0	3.5	80	8	2	8.0	9.5	76	6	4	17.0	19.5	86					70					41					39				
11	144	3	3	2.0	2.5	116	2	5	2.0	2.5	80	6	6	7.0	8.5	76	4	2	15.5	17.5	87					68					43					35				
12	143	4	2	1.5	2.5	116	3	3	2.0	2.5	80	4	5	6.0	7.5	75	3	3	17.0	19.0	85					63					39					37				
13	143	4	2	1.5	2.5	116	3	3	2.5	3.0	78	16	4	7.0	8.0	76	4	4	15.5	18.0	87					70					46					41				
14	143	4	2	2.0	2.5	116	5	4	3.0	3.5	80	6	4	8.5	11.0	76	4	2	14.5	18.5	87					70					45					39				
15	145	3	4	2.0	2.5	116	6	5	2.5	3.5	80	6	4	7.0	7.0	76	4	2	17.5	21.0	85					68					47					36				
16	145	2	4	2.0	3.0	116	3	3	2.5	3.0	80	4	6	7.0	8.5	76	4	2	16.5	19.0	87					67					46					37				
17	145	2	4	2.5	3.0	118	2	6	2.5	3.5	80	6	4	7.5	10.0	76	4	4	18.0	21.5	87					71					49					42				
18	143	4	2	2.0	3.0	116	4	5	2.5	3.0	80	4	4	8.0	9.5	76	4	2	16.0	18.0	86					72					48					38				
19	143	4	2	2.0	3.0	116	2	5	2.5	3.5	80	2	6	7.0	9.0	76	4	2	18.0	20.5	86					70					45					39				
20	143	4	2	2.0	2.5	117	1	5	2.5	4.0	80	2	6	8.5	9.5	76	4	2	18.0	20.0	85					70					46					38				
21	143	4	2	2.0	2.5	116	4	3	2.5	3.5	78	2	4	7.5	9.5	76	2	4	17.5	21.0	87					70					47					36				
22	143	4	2	2.0	3.0	116	3	4	3.0	3.5	80	2	6	8.0	10.0	76	4	2	17.0	21.0	87					71					48					37				
23	143	4	2	2.0	3.0	117	3	6	2.5	3.5	80	2	6	8.0	9.5	76	2	4	16.5	20.0	85					70					49					37				

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 Summer (June July Aug.) 1960

	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	184	4	5	12.0	18.5	184	6	6	14.0	21.0	182	6	5	15.0	22.5	184	7	3	11.5	18.0	184	4	3	9.5	14.5	183	4	4	10.0	16.0
.051	150	6	5	11.0	17.0	150	7	10	13.5	21.0	147	8	9	15.0	24.0	148	12	8	12.0	19.0	146	9	6	11.5	17.0	148	6	5	9.5	15.0
.160	129	6	7	9.0	14.0	129	7	14	12.0	21.0	126	9	18	14.5	25.5	126	13	11	13.5	23.0	124	10	8	12.0	19.5	127	6	6	8.0	13.0
.495	105	9	6	8.5	15.0	102	12	16	11.5	21.5	97	15	17	13.0	26.0	102	16	16	13.0	24.5	99	12	8	10.0	18.0	104	7	5	7.5	13.5
2.5	72	4	4	6.0	10.5	68	6	7	8.0	14.5	49	18	14	9.0	15.0	53	26	16	11.5	20.5	63	13	9	8.5	14.5	71	4	3	5.5	9.0
5	64	3	3	5.0	8.0	60	4	5	7.0	12.0	42	14	13	10.0	19.0	46	24	14	12.0	21.0	58	8	5	6.0	9.5	64	3	3	4.5	6.5
10	50	2	3	5.0	8.0	45	4	4	6.0	9.0	35	11	6	9.0	15.0	40	16	6	9.0	14.0	48	5	3	4.5	7.0	50	3	2	4.0	7.0
20	29	5	4	3.5	5.0	27	7	3	3.0	4.5	27	8	3	4.0	6.0	31	12	4	4.5	6.5	32	5	4	3.5	5.5	30	4	4	3.5	5.0

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Bill, Wyoming Lat. 43.0 N Long. 105.2 W Season Spring (Mar. Apr. ***) 19 60

	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	126	4	8			117	11	9			117	10	12			120	19	15			121	18	16			126	10	13		
** .113	106					91					78					78					94					105				
.246	91	8	12			77	12	9			76	11	8			76	24	8			85	20	11			92	15	14		
.495	78	10	9			58	14	6			55	7	8			57	9	11			68	13	13			77	11	11		
2.5	59	8	7			40	10	6			23	4	3			24	4	2			42	9	6			59	10	7		
5	54	5	4			43	5	6			24	3	3			25	5	2			45	7	7			55	7	5		
10	35	6	8			32	5	6			22	7	3			24	5	3			35	4	6			37	5	6		
20	24	2	4			26	2	2			26	3	4			29	6	3			28	4	4			25	4	2		

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

**No April and May Data.
***No May Data.

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Bill, Wyoming Lat. 43.2 N Long. 105.2 W Season Summer (June *** Aug.) 1960

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	162					160					160					164					166					164				
.051	124			8.0	15.0	130			10.5	18.5	130			9.0	17.0	139			6.0	12.0	140			4.5	11.0	142			6.0	12.0
.160	120			7.5	14.0	110			10.5	19.5	108			9.5	18.5	111			6.0	12.5	118			5.0	11.0	121			5.0	11.5
.495	92			5.5	13.0	66			9.0	17.0	67			7.0	13.0	85			6.0	12.0	88			4.0	9.0	96			5.0	10.5
2.5	73					50					24					29					54					75				
5	66					51					31					38					58					69				
10	42					36					29					36	4	6			41	5	5			45				
20	24					24					24					27	6	2			27	4	3			25				

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

***No July Data.

Equipment changes and additions were made at this station during the summer season. The values of F_{am} for .013 and .160 and all values of V_{dm} and L_{dm} are based on data recorded during August only.

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1 N Long. 105.1 W Season Summer (June July Aug.) 1960

	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	7	2	8.0	14.5	161	6	4	10.5	18.0	163	3	5	9.5	17.5	168	7	3	6.5	13.5	168	4	3	5.5	11.5	165	3	4	6.5	13.5
.051	134	6	5	6.5	13.0	128	7	6	9.0	17.5	129	5	6	8.0	17.5	138	8	6	5.5	13.0	140	7	8	5.0	11.5	138	6	7	5.0	11.0
.160	119	5	6	5.5	11.0	107	10	11	9.5	16.0	106	13	8	7.0	17.5	122	11	12	6.5	14.0	123	9	10	5.5	12.0	122	6	6	4.5	9.0
.495	93	8	7	5.0	10.0	72	14	12	6.0	16.0	72	21	9	4.5	12.0	92	19	15	7.0	14.0	95	15	12	6.5	12.5	96	7	7	4.0	9.0
2.5	69	8	7	4.5	8.0	50	9	7	5.0	7.5	46	10	3	2.0	3.0	53	14	6	2.0	3.5	59	26	6	4.0	6.5	73	4	7	3.5	7.0
10	44	5	4	4.0	7.5	38	6	3	4.0	7.5	32	7	4	3.5	7.5	38	7	4	3.5	6.0	47	4	4	3.5	6.5	48	4	6	3.5	6.5
20	23	2	2	2.5	4.5	22	4	2	2.0	3.5	27	4	3	2.5	5.0	26	6	3	3.0	5.0	28	5	3	3.0	5.0	24	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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Byrd Station, Ant. Lat. 80.0 S Long. 120.0 W Season Winter (June July Aug.) 19 60

Frequency (Mc)	TIME BLOCKS (LST) 0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	104	4	3			102	3	6			101	5	6			97	3	3			100	5	4			104	4	5		
.113	75	2	3			76	5	4			75	4	4			75	3	2			75	7	2			76	5	4		
.246	62	5	1			62	2	2			62	5	2			63	4	2			69	3	2			63	3	2		
.545	53	3	2			54	4	3			52	3	2			50	2	2			52	5	3			52	3	5		
2.5	26	2	2			25	2	2			25	2	2			25	2	2			26	2	2			26	2	2		
5	28	13	6			24	11	4			26	7	6			30	4	5			33	6	8			34	8	9		
10	24	4	4			22	4	8			22	2	6			23	2	2			25	2	4			26	3	6		
20	22	1	2			18	1	1			19	0	1			19	1	0			19	0	1			20	0	1		

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Cook, Australia Lat. 30.6 S Long. 130.4 E Season Winter (June July Aug.) 19 60

	TIME BLOCKS (LST)																										
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	154	4	5	6.5	11.0	153	5	8	6.5	11.5	147	6	7	9.0	14.5	147	6	5	10.0	16.5	150	5	4	8.0	13.5	153	5	4	7.0	10.5
.051	124	6	5	7.0	12.5	121	6	5	7.0	12.0	108	7	6	11.0	17.5	109	7	6	11.0	18.0	114	6	5	9.5	16.0	122	6	5	8.0	14.0
.160	99	9	5	7.0	13.0	90	8	5	7.5	13.0	62	16	5	7.5	10.5	65	14	5	4.5	9.5	84	13	8	10.5	17.5	96	10	4	8.0	14.0
.545	78	7	5	6.5	11.0	65	10	6	7.5	13.0	49	10	8	3.0	4.5	52	5	5	2.5	4.5	68	10	7	6.0	11.0	78	10	5	7.0	13.0
2.5	53	7	4	6.0	10.0	48	6	6	6.0	9.5	22	10	2	4.5	6.5	21	8	1	3.5	5.0	40	8	6	7.5	12.0	52	8	4	5.5	10.5
5	48	6	3	5.5	9.0	46	4	4	5.0	8.0	23	8	9	3.5	5.5	25	8	8	3.5	5.5	41	6	6	5.0	9.0	54	7	6	6.0	11.0
10	40	4	4	3.5	6.0	36	4	4	3.5	6.0	28	7	7	4.0	6.0	29	9	8	4.5	7.0	40	4	4	4.0	7.0	41	4	4	3.5	6.5
20	23	1	1	1.5	3.0	23	2	2	1.5	3.0	23	4	3	2.5	4.0	23	4	2	2.5	4.0	26	4	2	2.5	4.5	23	2	1	1.5	3.0

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Enkoping, Sweden Lat. 59.5 N Long. 17.3 E Season Summer (June July Aug.) 19 60

	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	124	6	7	10.0	16.5	119	6	10	14.0	21.0	121	7	8	10.0	18.0	129	8	5	9.0	15.5	128	8	5	9.0	15.5	126	9	6	9.0	15.5
.																														
.246	84	12	9	8.5	14.5	66	16	10	6.5	11.5						75			11.0	18.5						78				
.545	68	12	7	6.0	10.5	54	14	6	4.5	7.0	58	18	8	5.0	9.0	70	19	15	7.5	14.0	68	17	11	7.5	13.0	80	10	6	4.5	8.0
2.5	58	8	7	7.0	12.0	35	8	8	6.0	9.0	35	9	5	5.0	8.0	38	15	6	4.5	7.0	44	12	6	3.5	6.5	59	7	8	5.0	9.0
5	55	6	5	5.5	9.5	36	9	6	6.0	10.0	29	7	7	7.0	11.5	35	9	9	6.5	11.0	47	7	7	5.0	9.5	59	5	5	4.5	8.5
10	43	5	6	5.0	8.5	44	10	8	6.0	9.0	40	11	8	8.0	10.0	45	8	6	7.0	11.5	49	9	5	5.0	8.5	48	6	5	4.0	7.5

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 Front Royal, Virginia Lat. 38.8 N Long. 78.2 W Season Summer (June July Aug.) 19 60

	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	114	7	6			112	11	8			99	14	8			109	15	13			113	17	14			114	11	7		
.500	87	9	8			69	13	7			61	14	5			76	24	15			80	27	20			85	14	10		
2.5	73	7	6			62	10	5			28	11	2			34	26	8			52	24	14			74	9	7		
5	67	5	4			54	6	6			22	10	4			37	14	8			55	10	9			68	5	4		
10	47	5	4			43	5	4			36	5	3			39	6	5			48	6	4			52	4	4		
20	25	2	1			24	2	1			24	2	1			25	4	2			28	5	3			26	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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Kekaha (Kauai), T.H. Lat. 22.0 N Long. 159.7 W Season Summer (June July ***) 1960

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	155	3	3	6.0	15.0	154	4	3	11.5	18.0	151	3	4	10.0	15.5	150	2	2	9.5	15.0	149	2	2	10.0	16.0	152	2	2	7.5	12.5
.051	127	6	3	11.0	17.5	124	6	4	12.0	19.0	108	10	5	10.0	15.5	111	7	6	10.5	15.5	106	6	5	9.0	14.0	121	5	3	9.0	14.0
.160	101	8	7	10.5	18.0	89	10	8	11.0	17.5	65	21	8	10.0	14.0	65	17	8	10.0	13.0	68	9	5	6.5	9.5	95	7	5	7.5	13.5
495	75	13	10	11.0	18.5	65	11	9	7.0	11.0	54	8	5	2.5	4.5	53	6	4	2.5	4.5	55	5	4	3.5	5.5	68	12	7	9.0	14.0
2.5	54	7	5	7.0	12.0	49	9	4	6.0	10.5	33	4	3	2.5	4.5	32	4	4	3.0	4.5	33	4	4	2.5	4.5	50	7	4	5.5	9.5
5	61	6	5	6.0	11.5	47	6	6	6.0	9.5	24	4	5	3.5	5.5	23	3	4	4.0	6.0	31	3	4	5.0	8.5	50	4	5	4.5	8.0
10	43	4	2	3.0	6.0	38	4	3	3.5	6.5	21	6	4	3.5	5.5	16	5	4	3.0	5.0	34	3	3	3.0	5.5	42	2	2	3.0	5.5
20	23	3	0	1.5	3.0	23	1	1	2.0	3.0	20	2	1	2.0	3.5	20	2	2	2.5	4.5	24	2	2	2.5	4.5	24	2	1	2.0	3.5

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

*** No August Data.

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Ohira, Japan Lat. 35.6 N Long. 140.5 E Season Summer (June July Aug.) 19 60

	TIME BLOCKS (LST)																										
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	157	4	3	11.5	17.0	155	4	3	12.5	18.0	155	4	3	15.0	21.5	158	6	4	12.0	19.0	159	6	3	9.0	14.5	159	4	3	10.5	16.5
.051	133	6	3	11.0	17.5	123	10	5	13.5	21.0	124	7	6	16.0	24.5	129	9	7	11.5	18.0	126	13	7	10.0	16.0	132	7	4	10.0	16.5
.160	110	8	4	9.0	16.0	90	18	8	13.0	19.5	90	14	8	13.5	20.0	96	19	13	11.5	17.5	95	22	11	12.0	19.0	109	8	5	8.5	15.5
.545	83	8	6	10.0	16.5	66	19	4	7.5	13.0	65	12	3	7.0	11.0	72	19	9	8.5	14.5	73	18	6	8.0	14.5	86	9	6	7.0	11.5
2.5	59	7	6	7.0	11.5	42	8	4	8.0	12.0	32	7	2	6.5	9.5	33	15	3	7.0	10.5	42	15	5	7.5	11.0	58	7	4	6.5	10.5
5	57	4	5	6.0	10.0	43	7	5	8.5	12.0	29	6	5	9.0	12.0	32	10	6	9.5	13.5	50	9	7	7.5	11.5	69	7	7	7.0	12.0
10	45	4	3	4.5	8.0	38	5	4	6.0	9.0	27	8	4	4.0	6.0	30	7	5	5.5	8.5	43	4	3	4.5	8.0	47	4	3	4.5	7.5
20	26	4	4	3.5	3.5	25	4	2	2.0	3.5	27	6	5	2.5	4.5	28	7	4	2.0	4.0	32	7	6	3.0	5.0	29	7	5	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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Pretoria, S. Africa Lat. 25.8 S Long. 28.3 E Season Winter (June July Aug.) 19 60

	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	120	9	5			116	12	6			104	20	6			109	12	6			114	12	7			119	11	5		
.113	102	10	6			93	16	7			73	28	4			76	26	6			87	24	8			102	13	6		
.246	90	10	6			78	13	6			63	18	0			62	21	0			71	20	4			88	12	7		
.545	82	10	5			67	10	5			54	4	3			53	7	2			67	12	6			83	10	5		
2.5	54	10	5			47	11	5			34	5	3			34	5	3			44	11	6			54	11	4		
5	43	8	4			40	8	4			22	8	3			21	9	3			39	11	7			43	10	4		
10	26	4	2			27	6	2			19	14	4			22	13	5			36	8	4			31	5	3		
20	20	0	1			20	2	1			19	3	1			20	4	2			23	4	2			20	1	1		

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Rabat, Morocco Lat. 33.9 N Long. 6.8 W Season Summer (June July Aug.) 19 60

	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	130	4	5			123	4	4			118	5	3			127	6	6			128	9	7			131	5	4		
.246	100	5	6			83	8	6			78	10	7			92	14	15			95	15	13			101	6	5		
.545	85	7	4			79	10	13			76	11	18			85	8	16			85	11	10			90	5	5		
2.5	62	5	6			50	9	6			38	7	6			42	10	8			49	12	8			64	6	6		
5	56	4	4			46	6	4			27	7	4			30	10	7			45	9	7			58	6	5		
10	47	4	4			42	3	5			29	7	5			33	9	8			46	6	5			48	4	4		
20	30	8	5			30	9	5			34	10	7			37	10	8			42	10	8			35	10	6		

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station São Jose, Brazil Lat. 23.3 S Long. 45.8 W Season Winter (June July Aug.) 1960

	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	122	13	6	9.5	14.5	122	11	8	10.5	16.5	112	13	8	12.0	18.5	113	11	10	10.0	16.5	114	13	9	7.0	12.5	120	13	7	11.0	12.5
.113	113	16	9	7.5	12.5	105	15	9	8.0	13.5	95	13	6	5.5	9.5	96	12	6	4.5	10.0	96	18	6	5.0	10.0	105	18	8	6.0	10.0
.246	94	14	9	7.0	12.0	83	14	9	7.5	12.0	76	10	8	8.0	13.5	75	10	8	5.5	10.5	80	14	8	6.0	10.0	89	15	9	7.0	12.0
.545	81	10	8	7.0	12.0	78	8	10	7.0	13.0	82	5	8	7.5	12.0	84	5	7	5.0	8.5	83	7	6	5.5	8.5	86	8	5	6.5	11.0
2.5	56	12	8	6.0	10.0	52	12	9	6.5	10.5	35	8	5	5.5	8.5	32	9	4	5.0	7.0	46	10	6	5.0	8.0	57	11	5	5.0	8.5
5	54	11	8	5.5	9.5	53	10	7	5.5	9.0	39	7	7	6.5	13.5	36	9	6	5.5	8.5	53	8	6	6.0	10.0	59	7	7	5.5	9.0
10	43	7	6	6.0	10.0	38	8	5	4.0	7.0	38	6	7	5.0	8.5	35	8	5	5.0	8.0	43	7	4	4.5	8.0	46	6	5	5.0	8.5
20	24	5	3	2.5	5.0	23	3	3	2.5	4.5	23	7	4	4.0	6.5	25	5	4	3.5	6.0	29	5	4	4.0	6.5	28	6	5	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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Singapore, Malaya Lat. 1.3 N Long. 103.8 E Season Summer (June July Aug.) 19 60

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	160	5	3			159	6	3			158	6	4			161	8	5			162	6	4			160	5	3		
.051	140	6	4			136	8	6			132	9	7			137	12	9			138	7	7			139	4	5		
.160	122	5	5			115	10	9			108	14	12			116	15	14			118	8	8			121	3	6		
.545	96	6	6			85	14	11			76	20	14			92	17	20			92	10	8			96	5	6		
2.5	64	5	4			58	8	7			36	18	7			47	24	18			59	12	9			65	5	5		
5	58	4	4			53	6	5			35	13	9			41	18	14			56	6	6			62	5	4		
10	45	4	2			40	4	5			32	7	7			35	11	8			45	4	2			48	3	2		
20	26	3	2			25	4	3			24	7	3			25	9	3			28	5	3			30	4	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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Thule, Greenland Lat. 76.6 N Long. 68.7 W Season Summer(June July ***) 1960

	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	146	4	4	2.0	3.0	144	6	3	2.0	3.5	145	5	5	2.0	3.0	144	4	3	2.5	3.0	144	5	4	2.5	3.5	144	6	3	2.5	3.5
.051	116	3	4	2.5	4.0	116	4	4	2.5	4.0	116	4	4	2.5	4.0	117	5	4	3.0	3.5	117	7	5	3.0	4.0	117	6	4	2.5	4.0
.160	82	6	6	8.0	10.0	82	5	6	7.5	10.0	83	8	5	8.0	10.5	83	7	5	8.0	10.0	83	9	6	8.0	10.5	82	6	6	8.0	8.5
.495	77	5	4	17.0	20.5	76	5	4	17.0	21.0	76	6	2	16.5	20.0	76	5	4	16.0	19.5	77	5	4	16.0	20.0	77	4	4	17.0	20.5
2.5	82	8	4			82	6	4			82	7	4			82	5	5			82	9	4			82	7	3		
5	66	10	5			66	9	5			65	10	6			65	10	8			66	10	8			66	9	7		
10	38	5	9			39	6	6			37	7	8			39	7	10			40	4	10			40	8	8		
20	32	7	4			31	7	4			33	8	6			34	6	8			33	8	6			31	10	6		

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

***No August Data.

U.S. DEPARTMENT OF COMMERCE
Frederick H. Mueller, *Secretary*

NATIONAL BUREAU OF STANDARDS
A. V. Astin, *Director*

THE NATIONAL BUREAU OF STANDARDS

The scope of activities of the National Bureau of Standards at its major laboratories in Washington, D.C., and Boulder, Colo., 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 Scale. Volumetry and Densimetry.

HEAT. Temperature Physics. Heat Measurements. Cryogenic Physics. Rheology. Molecular Kinetics. Free Radicals Research. Equation of State. Statistical Physics. Molecular Spectroscopy.

RADIATION PHYSICS. X-Ray. Radioactivity. Radiation Theory. High Energy Radiation. Radiological Equipment. Nucleonic Instrumentation. Neutron Physics.

CHEMISTRY. Surface Chemistry. Organic Chemistry. Analytical Chemistry. Inorganic Chemistry. Electrodeposition. Molecular Structure and Properties of Gases. Physical Chemistry. Thermochemistry. Spectrochemistry. Pure Substances.

MECHANICS. Sound. Pressure and Vacuum. Fluid Mechanics. Engineering Mechanics. 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.

MINERAL PRODUCTS. Engineering Ceramics. Glass. Refractories. Enameled Metals. 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.

DATA PROCESSING SYSTEMS. Components and Techniques. Digital Circuitry. Digital Systems. Analog Systems. Applications Engineering.

ATOMIC PHYSICS. Spectroscopy. Radiometry. Mass Spectrometry. Solid State Physics. Electron Physics. Atomic Physics.

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

Office of Weights and Measures.

BOULDER, COLO.

CRYOGENIC ENGINEERING. Cryogenic Equipment. Cryogenic Processes. Properties of Materials. Gas Liquefaction.

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 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. Space Telecommunications.

UPPER ATMOSPHERE AND SPACE PHYSICS. Upper Atmosphere and Plasma Physics. Ionosphere and Exosphere Scatter. Airglow and Aurora. Ionospheric Radio Astronomy.


NBS