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NBS

Technical Note No. 18-5

Boulder Laboratories

QUARTERLY RADIO NOISE DATA - DECEMBER, JANUARY, FEBRUARY 1959-60

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

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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. 18-5

October 10, 1960

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DECEMBER, JANUARY, FEBRUARY 1959-60

by

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

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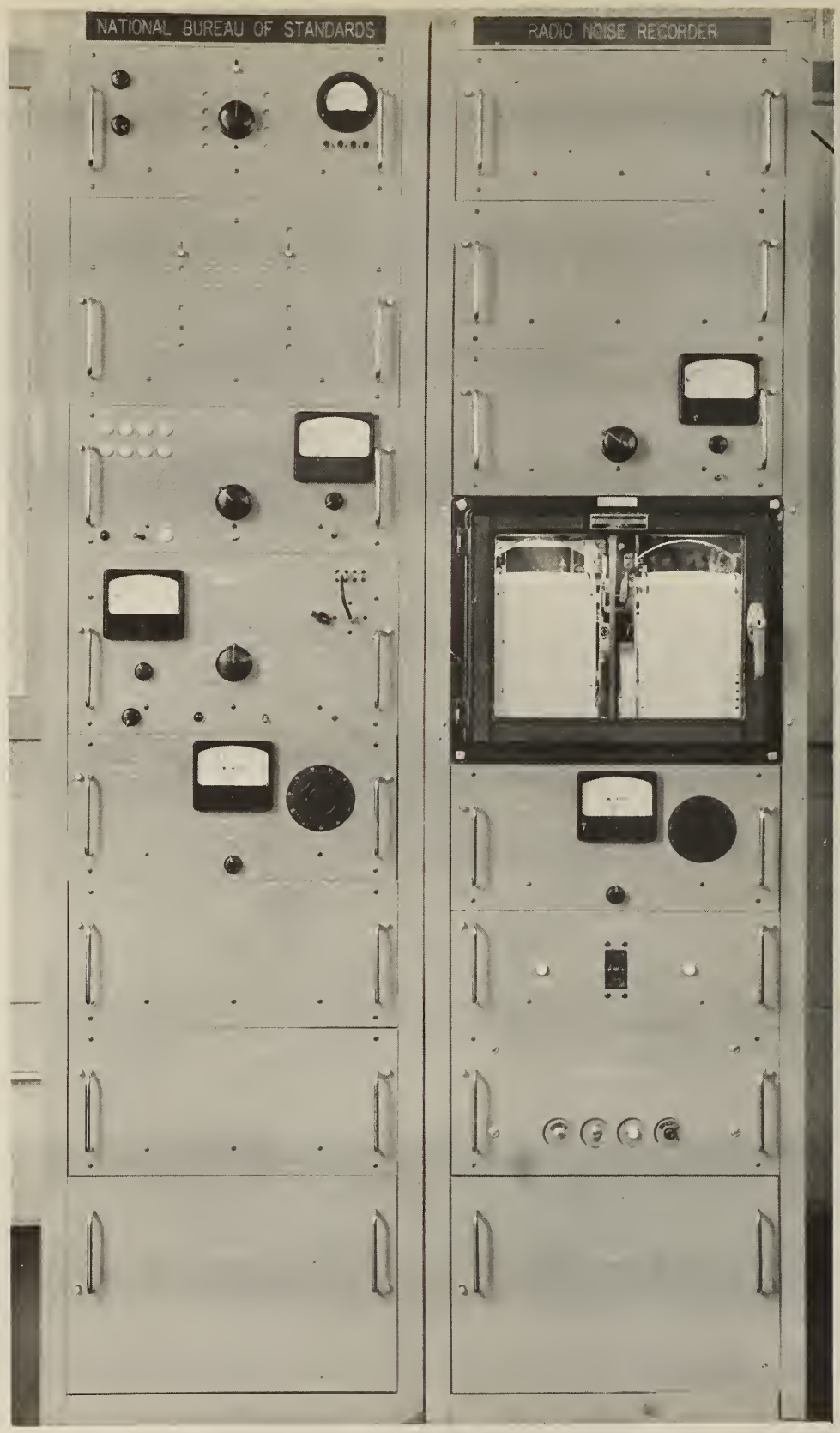
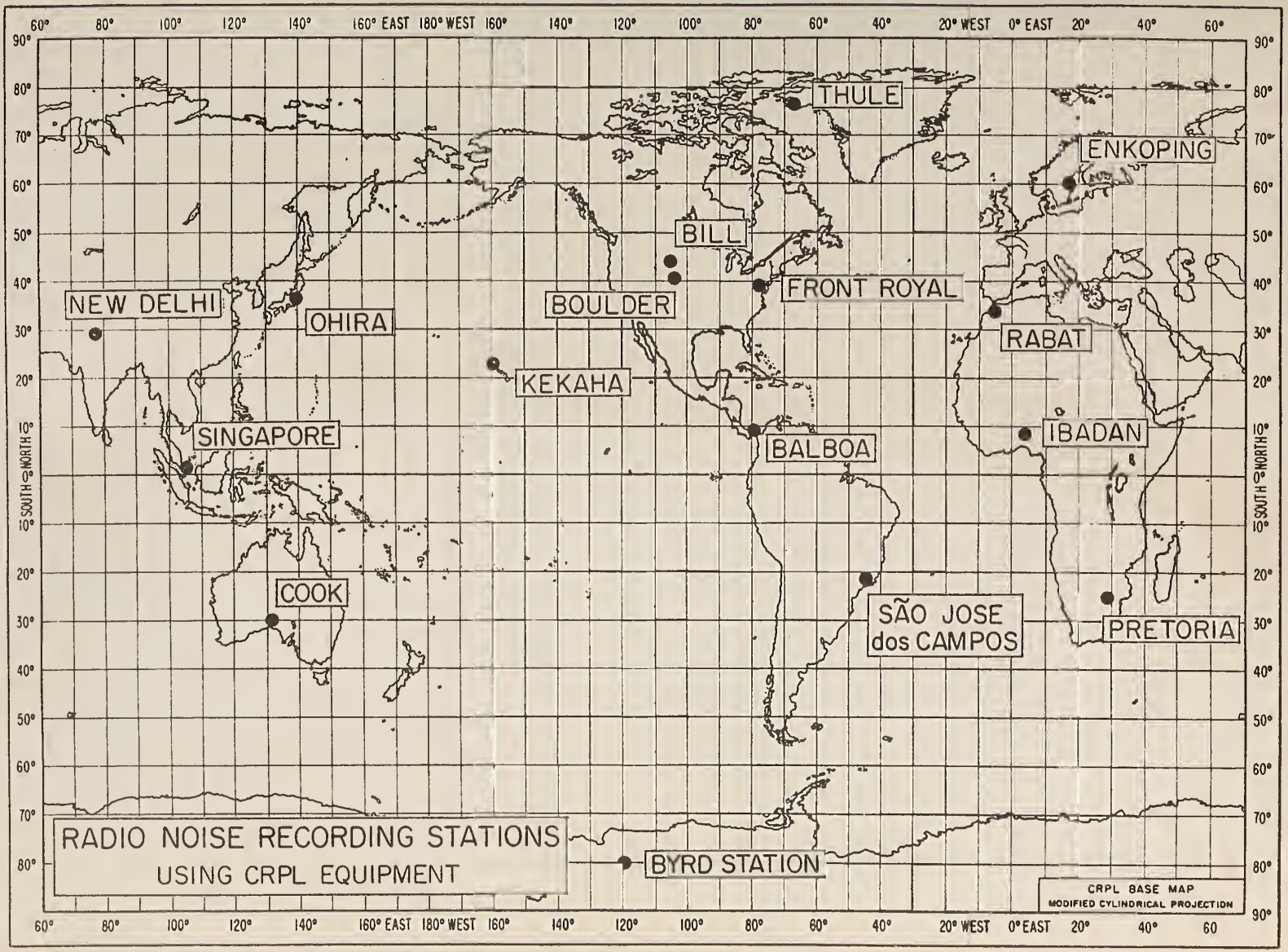
Radio Noise Recording Station



ARN-2 Atmospheric Radio Noise Recorder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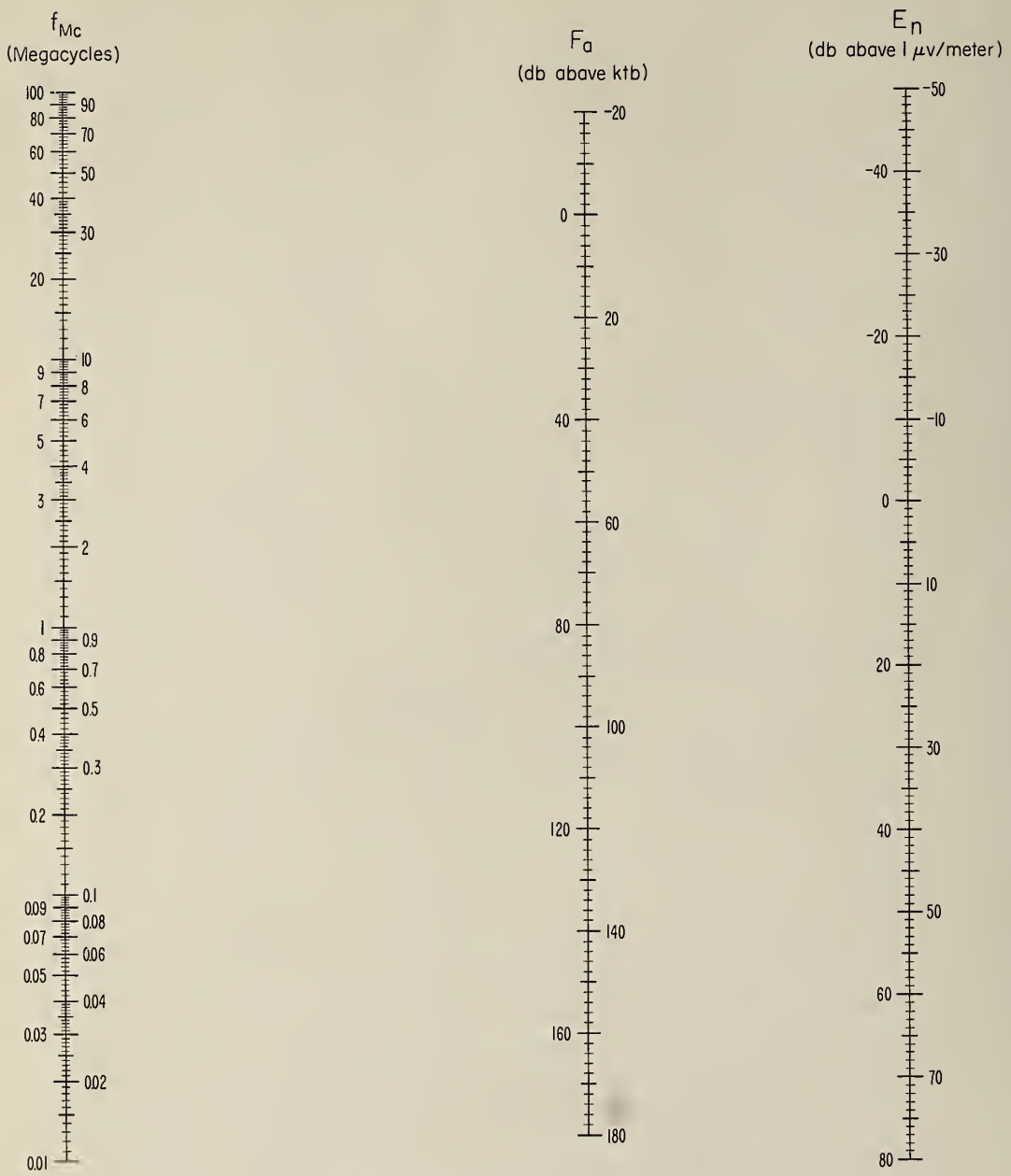
dos CAMPOS
PRETORIA
BYRD STATION
RADIO NOISE RECORDING STATIONS
USING CRPL EQUIPMENT
CRPL BASE MAP
MODIFIED CYLINDRICAL PROJECTION

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 December, January, February 1959-60

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 December, January, February 1959-60 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 cycles per second and uses a standard $21.75^{\emptyset}$ 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	Dec. Jan. Feb. 1959-60	75 W	+05
Bill	Dec. Jan. 1959-60	105 W	+07
Boulder	Dec. Jan. Feb. 1959-60	105 W	+07
Byrd Station	Dec. Jan. Feb. 1959-60	120 W	+08
Cook	Dec. Jan. Feb. 1959-60	135 E	-09
Enkoping	Dec. Jan. Feb. 1959-60	15 E	-01
Front Royal	Dec. Jan. Feb. 1959-60	75 W	+05
Kekaha	Dec. Jan. Feb. 1959-60	150 W	+10
New Delhi	Feb. 1960	75 E	-05
Ohira	Dec. Jan. Feb. 1959-60	135 E	-09
Pretoria	Jan. Feb. 1960	30 E	-02
Rabat	Dec. Jan. Feb. 1959-60	GMT	0
São José dos Campos	Dec. Jan. Feb. 1959-60	45 W	+03
Singapore	Dec. Jan. Feb. 1959-60	105 E	-07
Thule	Feb. 1960	75 W	+05

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

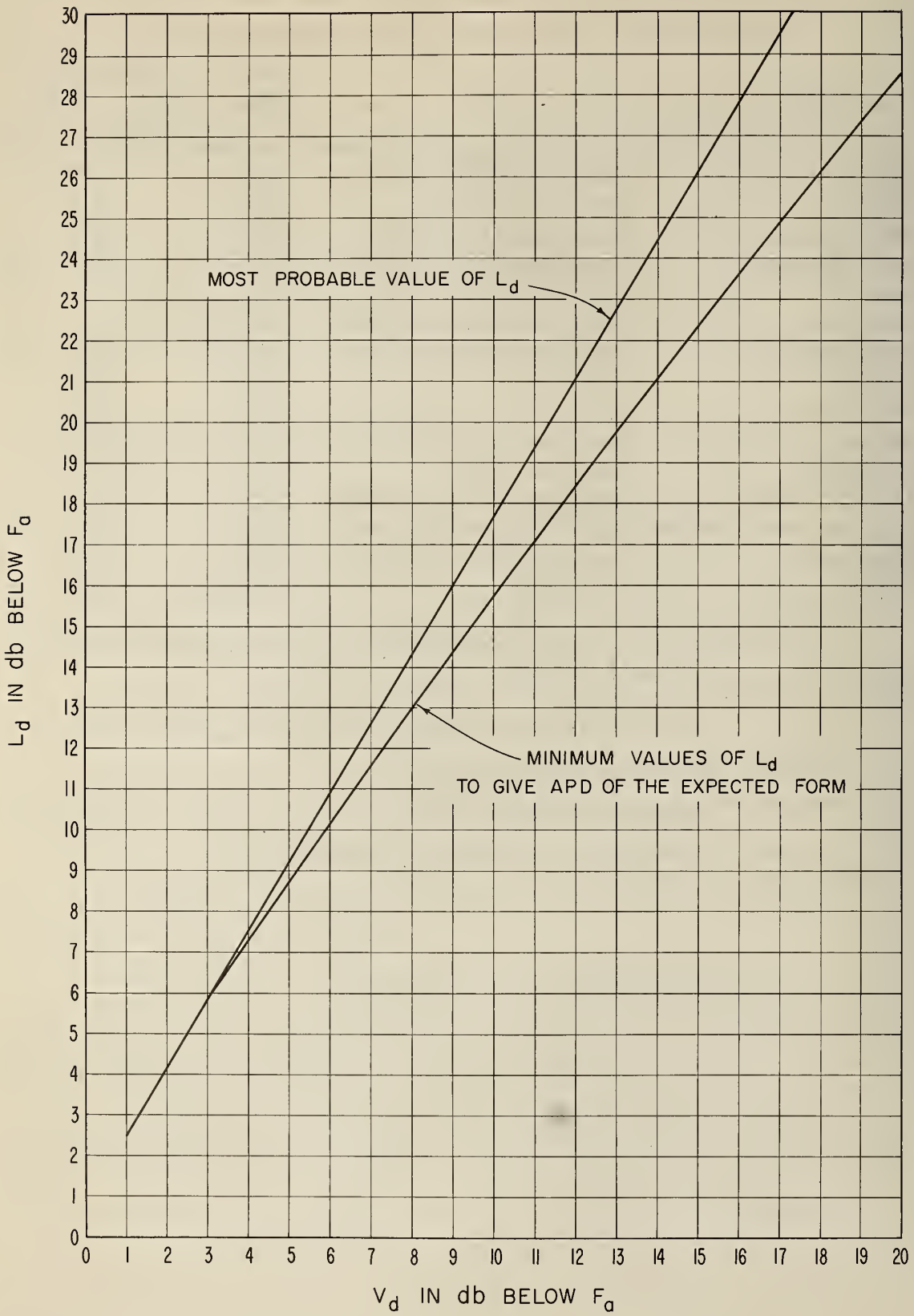
18-1 July 1, 1957 - December 31, 1958

18-2 March, April, May 1959

18-3 June, July, August 1959

18-4 September, October, November 1959

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 December 19 59

Frequency (Mc)

Hour (LST)	.051					.113					.246										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	134	7	6	13.0	21.0	120	8	8	10.0	15.0	107	8	6	10.5	18.5						60	6	8	8.0	14.0	54	3	4	6.0	10.0	40	5	6	5.0	8.5	24	4	1	2.5	4.5
01	134	8	10	14.0	23.0	120	7	8	9.0	13.5	107	8	6	*11.0	*19.0						60	7	7	7.0	13.0	55	2	5	5.5	9.0	38	5	7	5.0	7.5	23	5	0	2.5	4.0
02	134	8	8	15.0	25.0	120	6	8	11.5	18.0	107	8	5	13.5	22.0						60	9	4	8.5	14.0	53	4	3	*6.5	*10.0	36	4	6	5.0	8.0	23	4	2	2.0	4.0
03	134	8	6	14.0	21.5	120	8	6	12.5	17.0	107	9	6	13.0	22.0						60	8	5	9.0	15.0	52	6	5	6.0	10.0	34	7	4	3.0	5.5	23	3	2	1.5	3.0
04	134	8	6	13.0	22.0	120	7	8	11.0	15.0	105	8	8	15.0	26.0						62	4	10	8.0	14.5	51	6	4	6.5	11.0	34	11	4	4.5	6.5	23	6	2	2.0	3.5
05	134	9	6	14.0	21.5	118	9	7	*11.5	*17.0	102	10	12	*13.5	*25.0						60	8	7	12.0	18.5	52	5	4	6.5	10.0	34	6	3	5.0	7.0	23	6	0	2.0	3.0
06	133	8	7	13.0	20.0	111	13	15	*18.0	*26.5	95	12	19	*20.0	*30.0						56	10	15	*11.0	*18.5	52	10	7	*7.0	*10.5	40	9	2	6.0	9.0	25	4	2	3.0	5.0
07	128	7	8	17.5	26.0	102	18	17	*17.5	*26.0	86	21	10	*16.0	*26.0						44	11	16	*11.0	*16.0	41	9	9	*10.0	*15.0	38	8	6	5.0	8.5	25	4	2	3.0	5.0
08	123	16	9	18.5	27.0	97	26	15	*8.5	*13.0	83	29	6	*11.0	*20.0						34	21	11	*15.0	*24.5	33	13	10	*9.0	*13.5	32	10	8	8.0	12.0	25	4	4	3.0	5.0
09	120	7	10	*16.0	*23.0	96	30	12	*11.0	*15.5	85	24	6	*10.0	*19.5						27	21	7	3.0	5.0	25	10	4			25	7	7	*13.0	*17.5	23	7	2	4.0	5.5
10	124	10	12	17.0	25.0	100	20	14	*7.0	*12.0	86	19	3	*10.0	*20.0						28	20	8	*5.0	*7.0	27	10	10	*3.0	*5.0	20	8	6	*13.0	*17.0	21	7	2	3.0	5.0
11	124	12	10	15.0	24.0	98	20	12	*10.0	*15.5	86	19	3	*10.5	*21.0						28	18	6	*15.5	*24.0	21	18	4	*5.5	*7.0	20	8	4	*12.0	*15.5	23	4	2	3.0	5.0
12	124	11	4	13.0	21.0	100	19	9	*12.5	*19.0	85	23	2	*12.0	*23.0						26	20	6	*3.0	*5.0	21	20	3	*7.0	*9.0	22	7	5	*9.0	*13.0	25	4	4	*6.0	*8.5
13	130	6	8	13.0	21.5	102	13	7	*12.5	*19.5	87	18	2	*11.0	*19.5						26	14	4	*3.5	*5.5	27	4	6	*4.0	*7.0	24	6	4	*8.5	*12.5	25	2	2	4.0	6.0
14	130	6	6	13.0	21.0	107	13	9	*14.0	*22.5	89	18	4	*12.5	*21.5						30	16	8	*5.0	*21.0	28	7	3	*8.5	*12.5	28	2	4	*8.0	*12.0	27	2	2	4.0	5.5
15	130	6	6	12.0	19.5	108	13	12	15.0	22.0	94	14	9	*15.0	*24.5						32	14	10	*11.0	*17.0	35	6	10	*7.0	*13.0	34	3	5	6.0	9.0	27	3	2	*4.0	*6.0
16	130	6	8	14.0	21.0	105	15	14	*13.0	*20.5	89	15	4	*10.5	*20.0						32	13	7	*4.5	*6.5	41	7	6	*6.0	*10.0	38	7	4	5.0	8.0	29	2	2	3.5	5.5
17	128	8	8	*15.5	*24.0	104	18	10	*10.5	*18.0	89	23	3	*12.5	*21.0						40	13	7	*11.0	*16.5	51	5	7	6.0	11.0	40	5	2	5.0	9.0	28	2	1	4.0	6.0
18	130	10	10	13.0	21.0	114	8	8	10.5	17.0	99	14	7	*12.0	*20.0						53	9	6	*8.0	*14.0	55	4	2	*5.0	*8.5	42	8	4	5.0	8.0	27	4	2	3.5	6.0
19	130	10	8	12.0	19.5	116	14	8	10.0	15.0	101	15	7	11.0	18.0						62	4	10	8.0	14.0	56	4	3	*4.0	*7.5	42	6	4	4.0	6.0	27	4	4	3.0	5.0
20	132	6	8	12.5	20.0	116	10	6	9.5	15.5	103	11	8	10.5	18.0						60	5	8	*10.0	*15.0	55	5	3	*5.5	9.0	41	4	3	4.5	7.5	25	4	2	2.5	4.0
21	130	8	4	12.0	21.0	114	7	5	9.5	14.0	103	5	5	11.5	19.5						59	7	7	7.5	13.5	56	5	4	*5.0	*9.0	40	4	3	4.5	6.5	25	3	2	2.5	4.5
22	130	9	4	13.5	21.5	118	5	7	10.0	14.0	105	6	8	*9.5	*16.0						59	5	5	8.0	13.5	53	6	2	*5.5	*9.0	41	3	3	6.0	9.5	24	3	1	2.5	4.0
23	134	6	7	14.5	24.0	118	9	6	10.0	14.5	107	6	6	11.5	17.5						60	4	7	8.5	14.0	53	5	2	7.5	11.0	40	4	3	5.0	8.5	25	4	2	3.5	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

USCOMM-NBS-DL

MONTH-HOUR VALUES OF RADIO NOISE

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

Hour (LST)	Frequency (Mc)																																					
	.051					.113					.246										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	128	8	5	11.5	19.5	116	7	6	4.5	7.0	101	8	4	9.0	17.0						58	7	7	7.5	13.0	55	5	4	6.0	10.5	42	3	5	5.0	8.0	24	4	2	2.0	4.0
01	129	7	5	13.0	20.0	116	6	6	7.0	11.0	103	8	6	8.0	15.0						60	6	6	9.0	15.0	55	6	4	6.0	11.0	40	7	2	*7.0	*10.5	24	4	0	2.0	3.0
02	130	8	6	12.0	19.5	116	9	5	6.5	9.5	103	9	6	9.5	18.0						60	7	6	8.0	14.0	53	8	4	6.0	11.0	38	4	5	5.0	8.0	24	4	0	1.5	3.0
03	130	9	4	12.0	19.5	117	6	5	6.0	8.5	103	7	6	9.0	17.0						60	7	6	8.0	15.5	53	7	6	6.0	10.5	36	4	6	4.0	6.0	24	2	0	1.0	2.5
04	130	6	4	11.0	17.5	116	6	4	6.0	9.0	101	9	6	11.0	20.0						60	6	6	9.0	16.0	51	8	3	6.0	11.0	32	7	2	4.0	6.0	24	2	0	1.0	2.5
05	130	8	4	11.0	17.0	116	8	4	6.0	8.0	99	10	6	*9.5	*16.5						58	8	5	8.5	16.5	53	5	5	6.0	11.0	34	4	4	4.0	6.0	24	4	0	2.0	3.0
06	130	6	4	10.0	16.0	110	10	9	13.0	19.0	91	16	12	*12.0	*23.0						56	8	10	*10.0	*20.5	53	8	4	5.0	11.0	40	2	4	4.5	8.0	26	1	2	2.0	4.0
07	124	6	6	11.5	18.5	96	18	8	*10.5	*15.0	89	14	18	*10.5	*23.0						40	12	8	*7.0	*12.0	41	4	6	*7.5	*11.5	36	6	3	4.5	7.0	26	4	2	3.0	5.0
08	116	14	4	*14.0	*22.0	90	24	4	*7.0	*12.5	89	12	16	*10.0	*24.5						30	16	4	*7.0	*10.0	31	8	8	*4.0	*7.0	30	4	6	6.0	10.0	26	4	2	4.0	5.5
09	114	10	6	*16.5	*24.0	96	18	8	6.5	11.5	83	20	12	*11.0	*25.0						28	10	4	*9.0	*11.5	25	10	8	*4.0	*7.0	22	10	4	*6.5	*9.5	24	4	2	2.5	4.0
10	116	8	8	*14.0	*22.0	93	18	7	*7.0	*13.0	88	12	17	11.0	24.0						28	10	6	*3.0	*4.5	21	14	4	7.5	9.5	19	13	3	9.0	12.5	24	4	2	2.5	4.5
11	116	10	8	13.0	19.5	92	10	8	6.5	11.5	87	12	16	10.0	22.0						28	14	4	3.0	4.5	19	12	4	*4.5	*7.0	18	6	4	*4.0	*6.5	24	4	3	3.0	5.0
12	120	8	8	12.5	19.0	94	14	4	7.5	12.5	85	15	13	9.0	19.0						30	8	6	6.0	8.0	21	11	4	*3.5	*5.5	20	7	5	*7.0	*11.0	24	7	2	*3.0	*5.0
13	120	10	3	12.5	20.0	98	9	10	8.0	12.5	85	14	11	9.5	18.0						29	11	5	3.0	5.0	23	10	6	4.0	6.0	20	5	4	6.5	10.5	26	4	4	3.0	5.0
14	124	7	7	11.5	18.5	100	7	7	8.5	14.5	85	11	10	9.5	20.0						28	12	6	2.5	4.0	23	11	6	5.0	7.0	22	8	2	6.5	11.0	26	4	2	3.0	5.0
15	124	8	9	12.0	19.0	101	17	7	11.0	18.0	85	18	6	9.0	18.0						28	17	4	3.0	4.5	29	14	8	*5.0	*8.0	28	6	4	6.5	10.5	28	2	3	4.0	6.0
16	124	10	4	13.0	21.5	100	19	7	*9.0	*16.5	85	17	7	9.5	19.0						30	16	4	3.0	5.0	35	8	8	6.5	11.0	36	3	6	6.0	9.0	28	3	2	3.0	5.5
17	120	10	4	14.5	22.5	100	15	7	10.0	16.0	89	10	9	10.0	20.5						36	12	5	8.0	13.0	45	4	8	6.5	12.0	40	4	4	5.5	9.0	28	3	2	3.0	5.0
18	124	9	8	14.0	22.0	108	8	8	5.0	8.5	95	8	4	10.0	18.5						48	7	7	7.0	12.0	53	5	4	5.0	7.5	42	5	2	4.0	7.0	28	3	4	3.0	5.0
19	126	9	4	12.0	21.0	114	5	5	7.0	11.0	99	5	6	8.5	17.5						55	7	8	6.0	11.0	55	5	6	5.5	9.0	42	6	4	4.0	7.0	28	3	4	3.5	6.0
20	127	8	4	12.0	21.0	114	7	4	6.5	10.0	99	7	5	9.0	17.5						56	7	8	6.0	11.5	55	5	7	5.0	9.0	42	6	4	4.5	7.5	26	4	2	2.5	4.0
21	128	6	6	12.0	21.0	114	4	5	6.5	9.5	99	6	4	9.0	16.0						54	6	6	8.0	13.0	54	6	5	4.0	7.5	42	3	4	4.5	7.5	26	2	3	3.0	5.0
22	126	7	3	12.0	19.5	112	8	2	5.5	8.0	99	6	5	7.5	14.5						54	8	4	7.5	13.0	55	7	8	6.5	10.5	42	2	4	4.0	7.0	24	4	1	2.0	4.0
23	125	7	4	10.5	17.0	112	8	2	5.0	7.0	101	7	4	9.5	16.5						56	6	5	7.0	12.0	55	5	6	5.0	8.0	40	4	1	5.0	8.0	24	2	0	3.0	4.5

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

USCOMM-NBS-DL

MONTH-HOUR VALUES OF RADIO NOISE

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

Hour (LST)	Frequency (Mc)																																					
	.051					.113					.246										2.5					5					10					20				
	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	132	5	7	8.0	14.5	118	6	6	5.5	9.5	104	9	5	7.5	14.0						60	4	8	6.5	13.0	55	4	2	6.0	10.0	44	4	2	6.0	9.0	26	4	2	2.0	3.5
01	132	4	7	8.5	14.5	118	8	6	7.0	12.0	104	10	4	9.5	16.5						60	6	4	7.5	13.5	59	2	6	4.5	9.0	46	5	4	*4.0	*7.0	24	4	0	2.0	3.0
02	132	7	6	11.0	17.0	118	9	7	6.0	9.5	104	9	5	9.0	16.0						62	4	6	8.0	15.0	57	4	4	5.5	9.5	42	8	8	*5.0	*8.5	26	2	2	1.0	2.5
03	132	7	6	8.0	14.5	118	10	8	6.5	11.0	106	9	11	9.5	17.5						62	6	4	8.5	14.0	55	4	4	*5.5	*9.0	36	8	4	5.0	8.0	26	0	2	1.0	2.0
04	134	6	9	10.0	15.0	116	11	7	6.5	10.0	102	13	7	8.5	17.5						62	8	8	8.0	15.0	53	6	4	5.5	9.5	34	8	4	3.5	6.0	26	0	2	1.0	2.5
05	132	8	7	12.5	20.0	118	10	10	6.0	9.5	102	13	10	9.0	18.0						62	9	10	8.5	15.0	53	6	4	5.5	9.0	34	6	6	3.0	5.0	26	2	2	1.5	3.0
06	128	11	6	9.5	18.0	108	18	14	*11.5	*21.0	88	26	13	*8.0	*13.5						60	10	12	8.0	14.5	55	6	6	*5.0	*9.0	40	8	6	4.0	6.5	26	4	2	2.0	3.5
07	124	14	8	11.0	18.0	98	28	11	11.0	19.0	82	32	12	*8.0	*17.5						44	14	12	*9.0	*16.0	45	6	12	8.0	11.0	38	4	4	3.5	7.0	26	4	0	3.5	5.5
08	120	18	12	13.0	19.5	102	24	12	*7.0	*11.0	82	32	10	*9.0	*19.0						30	22	6	9.0	13.0	35	8	14	9.5	14.0	32	6	6	5.0	8.5	26	4	2	*4.0	*6.0
09	116	22	8	14.0	22.0	100	24	10	*7.0	*13.5	76	37	4	9.5	15.0						30	20	8	*3.0	*5.0	26	15	9	9.0	17.0	24	12	8	7.0	11.5	26	2	4	3.0	5.0
10	120	16	8	13.5	23.0	98	24	10	7.5	14.0	78	30	6	*8.0	*13.5						28	18	6	*3.0	*5.0	23	14	6	*10.0	*15.0	22	10	8	*8.5	*13.5	25	5	3	5.0	7.0
11	124	12	12	12.0	20.0	101	17	11	8.0	15.0	80	26	8	8.0	14.0						30	16	8	*7.0	*11.0	21	12	4	*9.0	*12.0	20	14	6	*6.0	*9.5	26	4	4	*7.0	*10.0
12	127	7	9	11.0	19.0	104	14	8	*8.0	*14.0	84	22	10	7.0	13.0						26	10	4	3.5	6.0	23	4	6	6.0	9.0	22	8	8	8.5	12.5	24	4	2	4.0	6.5
13	128	6	6	10.5	16.5	106	12	8	7.5	14.5	84	18	8	*5.0	*8.0						28	13	6	*4.0	*7.0	23	8	6	5.0	7.5	22	8	6	7.0	10.5	26	2	2	4.5	7.0
14	130	6	4	9.5	16.0	108	14	10	6.0	11.0	88	14	8	7.5	12.5						26	13	6	*5.5	*8.5	27	4	8	7.0	12.0	27	15	7	7.0	11.5	28	4	2	*3.5	*6.0
15	130	8	6	6.5	11.5	108	14	10	7.0	12.5	92	12	12	7.5	12.0						29	11	7	5.0	8.0	29	6	6	7.0	9.0	31	5	8	6.5	10.5	30	10	2	*3.0	*5.0
16	130	6	5	9.0	15.5	112	6	12	7.5	13.0	94	9	16	10.5	17.0						30	10	4	4.5	7.0	36	5	9	*9.5	*15.0	36	4	6	5.0	9.0	30	8	2	3.5	6.0
17	128	6	8	11.0	18.0	110	9	11	11.0	19.0	92	13	7	12.0	20.0						39	9	7	*4.5	*7.0	45	6	6	*8.0	*13.0	42	4	4	*4.0	*8.0	30	9	0	*4.0	*6.0
18	130	7	11	11.0	20.0	112	9	9	9.5	15.0	98	9	7	6.5	12.0						50	8	8	7.0	11.5	53	4	4	*5.5	*8.5	44	4	2	4.0	7.0	30	4	2	3.0	6.0
19	132	6	8	10.0	17.0	116	11	8	7.0	12.0	106	7	10	8.5	15.0						58	10	6	6.5	10.5	57	2	2	5.0	8.0	44	4	2	*4.0	*7.0	30	2	2	3.0	5.0
20	132	6	6	8.5	15.0	118	7	7	6.0	10.0	106	5	9	9.0	16.0						60	6	9	7.5	12.0	57	4	4	6.0	9.5	44	7	4	5.0	8.0	28	2	4	2.5	4.5
21	132	7	8	10.0	16.0	117	5	7	8.0	12.0	106	6	8	8.5	15.0						60	4	8	6.0	11.0	55	4	4	4.5	7.5	42	6	2	4.0	6.5	26	6	2	2.5	5.0
22	132	4	8	9.0	15.0	116	7	6	7.0	11.0	104	8	7	9.0	16.5						60	4	8	6.5	12.0	55	6	4	6.5	9.5	42	6	2	*4.5	*7.0	26	2	4	3.0	4.0
23	132	6	6	10.0	17.5	116	6	6	6.0	10.0	104	8	5	8.5	17.0						60	4	8	7.5	12.5	55	4	4	*5.5	*10.0	44	4	4	4.0	7.0	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

USCOMM-NBS-DL

MONTH-HOUR VALUES OF RADIO NOISE

Station Bill, Wyoming Lat. 43.2 N Long. 105.2 W Month December 19 59

Hour (LST)	Frequency (Mc)																																					
	.051					.113					.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_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	120	8	6			104	9	5			86	10	5			75	6	6			48	4	10			45	8	4			34	11	6			24	2	0		
01	120	7	4			104	7	3			89	8	8			77	8	8			46	4	6			45	6	6			34	12	6			24	2	0		
02	121	5	3			106	6	6			87	9	8			75	8	11			44	9	4			45	8	6			35	10	7			24	2	0		
03	121	9	3			104	7	4			85	12	6			69	15	6			46	6	8			46	4	5			35	10	7			24	2	0		
04	120	8	2			104	6	4			83	14	6			66	18	5			43	8	5			45	6	3			34	9	6			26	0	2		
05	120	9	5			102	6	8			81	15	4			66	14	7			42	9	5			46	9	7			34	5	4			26	2	2		
06	120	5	6			96	13	6			79	12	3			61	15	6			40	7	6			45	6	6			34	2	4			26	2	2		
07	116	8	5			92	6	6			77	6	2			57	4	4			32	12	6			42	5	7			36	2	6			26	2	0		
08	108	7	6			90	6	8			77	3	2			55	4	4			28	4	4			31	7	5			35	6	5			28	4	2		
09	103	9	5			89	11	6			77	3	2			55	4	4			26	2	4			26	5	3			32	6	7			29	5	3		
10	102	8	6			90	8	8			75	6	2			55	4	4			26	2	4			25	6	2			28	6	4			30	4	2		
11	104	14	8			92	6	6			75	6	2			55	4	4			24	2	2			25	6	4			28	6	4			30	6	2		
12	106	13	10			90	10	4			77	4	2			56	4	3			24	2	2			23	6	2			28	6	4			30	7	5		
13	102	11	6			92	12	6			75	6	2			55	6	2			24	4	2			25	6	4			28	6	4			30	4	2		
14	104	18	9			90	12	4			75	8	2			53	8	0			26	4	4			25	8	2			30	6	4			30	4	2		
15	102	18	4			96	9	6			76	9	1			57	12	5			28	12	4			27	6	4			35	7	7			30	4	2		
16	109	14	9			100	8	6			77	12	2			57	9	6			32	10	6			33	8	4			38	8	6			32	2	2		
17	114	12	12			103	5	7			80	13	5			63	16	7			40	8	4			39	10	4			42	7	10			32	5	6		
18	117	6	8			106	4	9			81	12	6			65	16	6			42	10	4			41	8	6			40	8	6			28	4	6		
19	118	11	6			104	4	5			82	12	5			69	12	7			44	12	4			42	8	5			40	4	6			26	2	2		
20	117	11	5			104	7	6			83	12	6			71	13	6			44	14	4			45	8	8			42	4	10			26	0	2		
21	118	9	4			104	9	4			85	11	6			71	17	4			44	10	4			43	11	4			38	10	8			24	2	2		
22	119	10	3			104	13	4			85	18	6			77	13	12			46	12	6			43	11	2			38	8	8			24	2	2		
23	120	9	6			104	11	2			87	14	4			75	11	6			48	11	7			45	10	6			34	14	4			24	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

USCOMM-NBS-DL

MONTH-HOUR VALUES OF RADIO NOISE

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

Hour (LST)	Frequency (Mc)																																					
	.051					.113					.246					.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	122	10	6			108	8	6			88	14	6			77	13	11			51	8	10			49	6	6			42	2	10			24	2	0		
01	122	6	4			106	8	2			88	10	8			78	12	12			53	6	8			50	4	6			40	6	8			24	2	0		
02	122	6	2			108	2	8			86	12	6			76	14	10			49	7	5			49	6	4			42	4	8			26	0	2		
03	122	8	0			106	6	6			86	14	6			*75					50	8	8			49	6	4			40	7	7			26	1	2		
04	*120					106	8	4			84	12	6			*73					49	7	7			49	5	4			39	8	5			26	2	2		
05	*122					102	10	6			82	12	2			70	8	10			47	7	4			47	6	4			37	5	5			26	1	1		
06	*120					98	6	6			80	8	4			*63					47	7	4			47	6	6			36	2	4			26	2	0		
07	116	4	2			92	6	8			*76					56	6	6			43	6	11			46	5	8			37	14	3			28	2	2		
08	*108					90	4	12			*76					*53					29	4	4			33	4	5			36	18	2			28	4	2		
09	*102					*88					*76					*55					27	2	2			26	3	4			33	7	3			28	7	2		
10	*102					*89					*76					*54					26	3	3			25	2	2			30	5	2			28	4	2		
11	*100					*86					*76					*54					26	1	3			23	4	2			30	4	4			28	2	2		
12	103	7	5			*88					76	8	2			*56					27	2	4			23	6	2			30	4	2			30	2	2		
13	*103					*90					77	7	3			55	5	3			27	4	4			25	4	4			30	8	2			30	2	2		
14	*106					89	5	7			78	6	4			53	18	3			25	2	2			24	6	3			32	4	2			30	2	2		
15	104	6	8			92	8	8			76	10	2			*54					27	4	3			26	7	5			36	2	2			30	2	2		
16	110	9	11			100	8	12			78	10	4			*56					29	15	4			33	6	5			40	2	2			32	2	2		
17	112	11	8			*104					*78					58	19	4			39	6	6			41	9	5			43	4	3			32	4	2		
18	116	9	9			106	8	6			80	8	4			62	15	8			45	10	7			45	7	6			44	6	4			30	2	4		
19	120	9	6			*106					84	10	6			68	12	8			45	14	3			47	4	8			44	5	5			26	2	2		
20	120	10	12			106	9	6			86	12	6			70	8	12			47	12	8			47	7	4			42	6	4			24	2	0		
21	119	11	7			*106					*84					*72					49	13	7			48	9	5			44	3	6			24	2	2		
22	*122					106	8	8			*84					*74					50	12	8			48	7	5			42	5	7			24	2	2		
23	120	8	4			*106					86	12	4			76	14	14			51	9	8			49.6		5			42	4	6			24	2	0		

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

USCOMM-NBS-DL

MONTH-HOUR VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1 N Long. 105.1 W Month December 19 59

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm
00	142	4	2	6.5	12.0	122	6	6	10.0	18.0	95	8	8	*11.0	*18.5	77	6	10	8.0	12.5	49	7	4	2.5	4.5	49	4	6	4.0	7.0	36	4	6	*2.5	*5.0	24	2	2	1.0	3.0
01	142	4	2	6.5	12.5	121	5	5	10.5	19.0	95	8	8	9.0	18.0	77	4	10	*5.5	*11.5	49	6	4	1.5	3.5	49	4	6	4.0	7.5	36	8	6	*2.5	*3.5	24	2	2	1.0	3.0
02	144	2	4	8.0	14.0	121	3	3	9.5	17.0	95	6	8	12.0	20.0	73	8	8	7.5	13.0	49	6	5	*2.5	*5.0	47	6	6	3.5	6.5	36	12	8	*3.0	*5.0	24	2	2	1.0	3.0
03	144	4	5	9.0	16.0	122	4	4	8.0	15.0	94	7	11	*12.0	*21.0	69	14	4	6.5	9.5	49	6	4	3.0	5.0	47	6	6	*3.0	*6.0	34	7	6	2.5	4.5	24	2	2	*1.5	3.0
04	142	2	2	9.5	15.5	122	6	6	9.0	16.5	90	14	11	*10.0	*18.0	68	15	5	5.5	10.0	49	6	4	1.0	4.0	47	8	6	*3.5	*7.0	34	8	6	*2.5	*5.5	24	2	2	*1.5	*3.5
05	142	3	3	9.0	15.0	120	4	4	10.0	17.5	82	23	5	*8.0	*14.0	67	13	6	3.0	6.5	49	12	4	*2.5	*5.0	45	9	4	*3.0	6.5	36	6	6	*3.0	*4.5	24	2	2	*2.0	*3.5
06	142	3	3	10.0	17.0	119	5	5	8.5	17.0	79	14	6	5.5	9.5	65	4	6	*6.0	*9.5	47	11	2	1.5	3.5	45	8	4	2.5	5.5	38	6	6	*2.5	*5.0	24	2	2	1.0	3.0
07	142	2	2	10.5	17.0	116	6	10	11.0	18.5	73	14	4	*5.0	*8.0	63	4	4	2.5	5.0	47	4	4	2.0	4.0	43	4	6	3.5	5.5	37	7	7	3.0	6.0	28	2	4	1.5	3.0
08	138	2	2	10.5	16.0	108	6	8	*10.5	*17.5	71	20	4	*3.0	*5.0	61	5	2	*1.0	*4.0	45	4	2	*2.0	4.5	38	4	3	1.0	3.5	36	10	6	*2.5	*7.0	28	2	2	*2.0	*3.0
09	*138			*10.0	*17.0	*102			*8.0	*15.5	*71			*2.5	*4.5	61	4	4	*2.5	*5.0	43	6	0	*2.0	5.0	*37			*2.0	*4.0	32	6	8	*3.5	*7.0	30	2	4	*1.0	*3.0
10	138	4	4	*11.0	*17.0	100	14	5	9.5	15.0	71	16	3	*7.0	*11.0	61	6	4	*2.5	*5.0	45	5	2	*2.0	4.0	37	2	10	2.5	4.0	28	8	6	2.0	4.0	30	5	6	*1.0	*3.5
11	138	4	4	*9.5	*15.0	100	16	5	13.5	21.0	73	20	4	5.0	7.5	61	2	2	2.5	5.0	45	5	2	2.0	4.5	37	2	6	2.0	4.0	28	8	4	*1.5	*3.5	28	5	4	1.5	3.5
12	138	4	4	*11.0	*16.0	100	20	4	11.0	18.0	73	22	4	5.0	7.5	61	4	4	2.5	5.0	45	4	2	2.0	3.5	37	3	6	2.5	4.0	28	4	8	3.5	4.5	28	4	4	2.0	3.5
13	138	4	4	10.5	16.0	100	20	4	12.5	20.0	71	22	2	4.0	6.5	63	6	6	2.0	4.5	45	4	2	2.0	3.0	37	2	4	2.0	4.5	28	6	6	*2.0	*4.5	28	4	2	*1.5	*4.0
14	138	6	6	10.0	16.5	102	19	6	13.5	21.0	73	23	4	4.0	6.5	63	6	4	3.5	5.0	45	4	2	2.0	3.0	37	4	2	2.0	4.5	28	12	4	3.0	4.5	30	2	2	1.5	3.5
15	138	6	6	12.0	18.5	104	21	8	11.5	17.5	77	24	8	5.0	11.0	63	10	4	2.0	5.0	45	6	2	2.0	3.5	38	5	5	2.0	4.0	38	6	10	*2.0	*5.0	30	2	2	2.0	3.5
16	136	4	4	13.0	20.0	110	14	12	13.5	21.0	83	18	12	*11.5	*18.0	63	14	6	4.5	8.0	47	6	4	*3.5	*5.5	41	12	4	4.0	6.0	42	6	8	4.0	8.0	30	2	2	2.0	3.5
17	136	2	2	12.5	20.0	116	12	10	*11.0	*18.0	91	10	12	9.5	16.0	67	12	8	4.5	8.0	49	8	6	2.0	4.0	43	14	6	*2.0	*4.0	43	8	7	3.5	7.5	28	2	2	2.0	4.5
18	138	4	4	13.5	20.0	116	10	8	11.0	19.0	91	11	14	9.5	17.5	71	12	8	6.0	10.0	49	10	6	2.5	5.5	45	10	6	*3.0	*5.5	44	4	8	*3.0	*5.5	26	2	2	2.5	4.0
19	138	4	4	12.5	21.0	117	7	7	12.0	19.5	91	11	10	11.0	18.5	71	12	6	5.5	10.0	49	10	5	*3.0	*6.5	45	8	4	3.5	5.0	43	5	7	3.5	6.0	24	2	2	2.0	3.5
20	138	6	4	12.0	20.0	118	9	6	11.0	18.5	93	10	10	*11.0	*20.0	74	9	7	5.5	12.0	49	4	4	3.0	6.0	47	8	6	3.0	6.0	42	6	6	*4.0	*6.5	24	2	2	1.0	3.0
21	140	4	4	11.5	17.0	119	9	7	12.5	20.5	95	8	10	10.0	17.0	75	10	6	5.0	8.0	49	4	4	2.5	4.5	47	8	6	4.0	6.5	40	6	6	*3.0	*6.0	24	2	2	1.0	3.0
22	140	6	2	9.0	16.0	120	10	6	11.0	19.0	95	8	10	9.5	17.0	76	7	7	6.0	11.0	49	4	4	2.5	5.0	49	6	6	4.0	8.0	38	8	6	*4.0	*6.5	24	2	2	1.0	3.0
23	142	4	2	7.5	14.0	122	6	6	11.0	20.0	95	8	9	*7.5	*16.5	77	6	8	*7.0	*16.0	49	3	3	*3.0	*5.5	49	8	8	3.5	6.0	36	10	4	*3.0	*6.0	24	2	2	*1.0	*3.0

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

USCOMM-NBS-DL

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

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

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5					5					10					20				
	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm
00	152	5	3	12.5	19.5	122	6	8	*13.0	+21.0	92	10	8	*9.5	*17.0	77	12	9	*8.5	*14.5	53	9	4	2.5	5.0	51	8	4	*3.0	+7.0	41	6	4	*4.0	+7.0	25	2	2	*1.5	+3.5
01	153	4	4	12.5	20.0	120	8	4	13.0	22.0	90	14	6	9.5	19.0	73	11	6	8.0	12.0	53	11	4	2.0	5.0	51	8	4	*3.5	+6.0	41	6	4	*4.0	+7.0	25	2	2	*1.0	+2.5
02	153	2	2	12.5	20.0	120	7	3	11.0	20.0	90	10	6	*12.0	*20.5	73	8	11	*5.0	+10.0	53	8	4	2.5	5.0	53	6	6	3.0	6.5	43	4	7	*2.5	*5.5	25	2	0	*2.0	*4.0
03	153	4	2	13.0	21.0	119	7	3	13.0	21.0	90	13	8	*10.5	*20.0	73	10	14	*8.0	*13.5	53	6	4	*2.0	+5.5	53	7	5	*2.5	+6.5	41	5	6	*4.5	*8.5	27	0	2	*1.5	*4.0
04	153	2	2	12.0	20.0	118	8	2	12.0	19.0	90	11	8	*11.5	*21.0	69	8	11	*6.0	*11.0	52	7	3	*3.0	*4.0	53	7	6	*4.0	+7.0	40	4	6	*3.5	*5.0	27	0	2	*1.5	*3.5
05	153	2	4	13.0	21.0	117	8	2	12.5	21.5	88	10	16	*11.0	*17.5	61	14	4	*6.0	*13.0	51	8	4	*3.0	+5.0	51	9	6	*3.5	+7.0	39	4	6	*2.0	*4.5	27	0	2	*1.5	*3.5
06	151	4	2	12.5	20.0	116	6	4	11.5	19.5	82	6	10	*9.5	*13.0	61	9	3	4.5	7.0	51	4	4	*2.0	+5.0	49	6	4	*3.0	+5.0	39	8	4	*4.0	*7.5	27	2	2	*1.0	*3.5
07	151	2	4	12.0	19.0	113	2	6	12.5	22.0	70	8	4	*6.5	*12.0	59	8	2	*2.0	+5.0	49	6	4	*1.0	*3.0	47	4	6	3.0	5.5	39	2	4	*1.0	*3.0	28	1	3	*2.0	*4.5
08	147	4	2	13.0	20.0	107	5	3	16.0	22.5	70	15	6	5.5	9.0	59	9	4	*5.0	9.0	47	7	2	*1.5	*3.5	39	2	4	*2.0	4.0	33	8	6	*2.0	*5.0	29	2	2	1.0	3.0
09	147	3	5	13.0	20.0	104	9	8	*13.5	*22.5	70	12	6	4.0	7.0	57	11	2	*4.0	6.0	47	7	2	*1.0	*3.0	39	2	4	*2.0	4.0	29	6	4	*2.0	*4.5	29	2	2	*2.0	*3.5
10	147	3	4	12.0	19.0	102	12	11	*15.0	*22.0	68	11	4	*3.5	*6.0	61	7	6	*2.0	5.0	47	4	2	*1.5	*4.5	39	2	6	*2.0	4.5	26	3	1	*2.5	*4.0	27	2	1	*1.5	*4.0
11	145	2	2	12.0	19.0	102	7	9	*14.5	*22.5	67	9	3	*4.0	*6.5	59	8	4	3.0	5.5	47	3	2	*1.0	*3.0	39	2	6	2.0	4.5	25	6	0	*2.0	*4.0	29	3	2	*2.0	*4.0
12	147	2	4	13.5	19.5	98	10	4	*15.0	*21.0	66	10	2	*4.0	*6.5	59	8	4	4.0	6.5	47	2	2	*1.0	*3.0	39	4	6	*1.5	*4.0	27	4	2	*2.5	*4.0	29	2	2	*2.0	*3.0
13	145	4	2	11.5	18.5	100	10	6	13.0	22.0	68	14	4	3.0	6.0	61	4	6	2.5	5.0	47	2	2	1.0	3.5	39	3	4	2.0	3.5	29	9	4	*2.5	*4.0	29	2	2	*2.0	*3.5
14	146	3	1	15.0	19.0	100	10	8	*13.5	*22.0	68	8	4	*3.0	*5.0	61	4	4	3.5	6.0	46	7	1	1.5	3.5	39	2	6	*1.5	*3.0	31	6	3	2.0	4.0	31	0	4	*2.0	*4.0
15	145	4	2	14.0	20.5	100	11	6	*13.0	*21.0	70	8	4	*5.5	*7.5	59	6	4	*3.0	*5.0	45	6	0	1.5	3.0	39	2	4	*1.5	*3.0	37	4	4	*3.0	*6.0	31	2	4	2.0	3.5
16	145	4	4	13.0	22.5	105	9	11	*14.0	*22.0	75	15	9	7.5	11.0	61	8	5	4.0	7.0	45	6	0	*1.5	*3.5	41	7	4	*1.5	*4.0	41	6	4	*3.0	*6.5	31	4	2	2.0	3.5
17	145	5	4	14.5	22.5	112	8	8	13.5	19.5	82	12	10	11.0	17.0	63	6	4	*7.0	*10.0	47	8	2	2.0	4.5	47	4	6	1.5	4.0	41	8	2	*3.0	*6.0	30	3	5	*2.0	*4.5
18	147	4	6	14.5	21.0	116	6	8	13.0	21.5	86	10	8	*11.5	20.0	67	13	8	9.0	13.5	49	7	2	*3.0	*5.0	48	9	5	*3.0	*6.0	43	8	2	*3.0	*5.5	29	4	4	*2.0	*4.0
19	149	4	6	16.0	23.0	116	8	6	*13.0	*22.0	88	10	10	*12.0	21.0	69	9	9	9.5	17.0	49	12	2	*3.0	*5.5	49	8	4	*3.0	*5.5	43	6	2	*3.5	*6.0	25	4	2	1.5	4.0
20	149	4	6	17.0	23.5	118	8	8	13.0	20.5	90	10	12	*11.0	21.0	71	6	8	*8.0	*13.0	51	12	4	*2.5	*5.0	51	6	6	*3.0	*7.0	43	5	4	*4.0	*7.5	25	2	2	*1.0	*3.0
21	149	4	4	15.0	22.5	118	9	8	12.5	20.0	90	11	12	*12.5	21.5	73	16	8	9.5	15.5	51	14	4	2.5	4.5	51	10	4	*3.0	*6.0	43	6	4			25	2	2	*1.0	*2.5
22	150	3	3	14.0	22.0	120	6	6	13.0	21.5	90	15	12	*10.0	20.0	75	14	9	9.5	15.5	56	13	4	*2.0	*4.0	51	11	4	*4.0	*7.0	43	4	6	*5.5	*12.0	25	2	2	*1.0	*3.0
23	151	2	2	14.5	22.0	120	8	7	*15.0	*23.0	91	16	9	11.0	21.5	76	13	11	8.5	15.5	53	11	6	*3.5	*6.0	51	9	4	*3.0	*7.0	41	4	8	*3.5	*6.0	25	2	2	*1.0	*2.5

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013 Fom	Du	Dℓ	Vdm	Ldm	.051 Fom	Du	Dℓ	Vdm	Ldm	.160 Fam	Du	Dℓ	Vdm	Ldm	.495 Fom	Du	Dℓ	Vdm	Ldm
00	152	4	4	12.0	18.5	122	10	13	11.5	20.0	95	20	16	8.0	16.5	76	14	6	7.5	13.5
01	152	4	4	12.0	18.5	120	14	10	12.5	17.5	92	19	11	10.0	20.0	76	14	6	*6.0	*11.0
02	152	4	6	11.0	17.0	120	12	9	*10.0	18.0	93	17	12	*9.0	*17.0	74	17	6	7.0	12.0
03	152	4	2	12.5	18.5	120	13	8	9.0	15.5	95	13	18	*11.5	*20.5	74	11	6	8.5	15.0
04	152	4	2	12.5	18.0	119	12	8	12.0	18.0	91	14	12	*12.0	*20.0	72	12	4	9.0	15.0
05	152	2	4	12.5	18.5	119	6	10	11.0	18.5	83	18	10	9.0	16.0	68	14	6	5.0	11.5
06	150	4	1	13.0	20.0	116	6	6	11.0	18.5	79	10	6	7.0	10.0	64	4	6	4.0	7.0
07	150	2	6	12.5	18.5	111	6	6	12.0	19.0	72	10	5	*3.5	*6.5	61	9	3	3.5	6.5
08	146	4	4	11.5	18.0	107	4	6	10.0	18.0	72	7	7	*2.5	*5.0	62	5	4	*3.0	*7.0
09	*146			*11.0	*17.5	*101			*9.5	*16.0	69	6	4	*2.5	*6.0	61	9	3	*2.5	*6.0
10	146	4	4	*10.0	*16.0	101	11	6	9.0	14.0	68	8	3	3.5	6.5	62	9	6	2.5	5.5
11	148	2	4	11.0	17.0	103	10	6	11.0	15.5	71	11	5	4.0	8.0	63	7	7	3.0	6.5
12	148	2	4	11.0	16.0	103	10	4	*10.0	*15.5	71	12	4	3.5	6.5	62	6	2	*4.0	*6.5
13	146	4	4	10.0	15.0	104	12	7	9.0	15.0	69	12	2	*3.0	*6.0	62	8	4	*2.5	*5.0
14	147	3	5	11.0	17.0	105	11	8	*9.0	*16.5	72	12	6	9.0	12.0	64	7	5	3.0	6.0
15	144	6	3	*11.0	*17.5	105	18	10	*9.0	*17.0	75	18	6	*5.5	*9.0	62	6	4	*2.0	*5.0
16	146	5	6	12.0	18.0	105	20	10	*11.0	*19.5	75	18	8	*4.0	*7.0	64	6	6	*2.0	*5.0
17	146	5	8	15.0	20.5	109	18	9	*10.0	*18.0	83	20	16	*8.0	*14.5	64	18	6	4.0	7.0
18	146	4	4	12.5	19.0	114	17	8	10.5	18.0	88	19	9	*8.0	*15.0	64	24	4	*5.0	*7.5
19	146	5	4	13.5	20.0	113	18	6	10.0	17.0	85	13	8	*8.5	*14.5	68	20	4	*3.5	*7.5
20	145	9	1	14.5	21.0	113	16	6	9.5	16.0	85	12	8	9.0	14.5	72	20	6	6.0	9.0
21	148	8	4	14.0	20.5	114	17	7	9.0	15.5	90	19	10	*8.5	*15.0	74	19	4	5.0	10.0
22	150	5	5	13.0	19.5	116	16	7	8.0	15.5	91	24	12	7.0	15.0	76	18	8	6.0	12.5
23	150	6	6	13.0	19.5	119	13	10	10.0	17.0	90	22	10	*7.5	*17.0	78	16	9	6.5	12.0

Hour (LST)	5 Fom	Du	Dℓ	Vdm	Ldm	10 Fom	Du	Dℓ	Vdm	Ldm	20 Fom	Du	Dℓ	Vdm	Ldm
00	52	9	3	4.0	8.0	46	7	7	3.0	5.5	26	0	4	2.5	3.0
01	53	6	5	5.0	8.5	46	9	8	*5.0	*8.0	26	1	2	1.5	3.0
02	52	7	4	5.0	8.5	46	6	9	*3.0	*6.0	26	1	2	1.0	3.0
03	52	6	5	3.0	6.0	45	5	9	3.0	6.0	26	1	2	2.0	3.5
04	52	6	6	4.0	8.0	43	8	9	4.0	6.0	26	2	2	2.0	3.0
05	52	4	6	5.0	8.0	38	4	1	*3.0	*5.5	26	2	2	2.0	4.0
06	52	3	7	*3.0	*6.0	40	4	2	3.0	5.5	28	2	2	2.0	3.5
07	42	7	5	3.0	5.0	40	5	4	3.0	6.0	29	3	3	3.0	4.0
08	36	4	3	2.5	4.0	35	5	3	2.5	4.5	30	2	2	*3.0	4.5
09	*38			*2.5	*4.0	*32			2.5	4.0	28	6	0	*2.0	*4.0
10	38	4	4	2.0	4.0	30	6	4	*2.0	*3.5	28	4	2	*2.0	*3.5
11	37	6	5	2.5	4.0	28	8	3	2.5	4.0	30	3	3	2.5	4.0
12	38	4	6	2.5	4.0	28	5	2	3.0	4.0	30	4	3	3.0	5.0
13	36	4	4	2.5	4.0	32	4	6	3.0	4.5	30	6	2	3.5	5.0
14	36	5	2	2.5	4.0	35	5	5	3.5	6.0	32	2	4	2.0	4.5
15	36	6	2	3.0	4.5	40	2	5	2.5	5.0	32	3	2	3.0	5.0
16	38	5	2	3.0	5.0	44	9	5	3.0	5.5	32	2	2	2.5	4.5
17	46	10	2	3.5	6.5	46	8	3	3.0	6.0	30	3	2	2.0	4.0
18	48	9	3	4.5	7.5	46	10	3	3.5	6.0	26	3	2	3.0	5.0
19	50	11	4	4.5	9.0	47	7	3	3.0	6.0	26	4	1	3.0	5.0
20	52	9	6	6.0	8.0	46	7	1	3.5	6.0	26	1	2	2.5	4.0
21	50	11	4	4.0	7.0	46	8	4	4.0	6.0	24	3	1	2.0	3.5
22	51	11	5	4.5	8.0	46	6	3	4.0	7.0	25	1	2	2.0	3.5
23	52	9	4	3.5	8.0	46	8	4	4.0	7.5	26	0	3	2.0	3.5

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

USCOMM-NBS-DL

MONTH-HOUR VALUES OF RADIO NOISE

Station Byrd Station, Ant. Lat. 80.0 S Long. 120.0 W Month December 19 59

Frequency (Mc)

Hour (LST)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	.113 F_{am}	.113 D_u	.113 D_ℓ	.113 V_{dm}	.113 L_{dm}	.246 F_{am}	.246 D_u	.246 D_ℓ	.246 V_{dm}	.246 L_{dm}	.545 F_{am}	.545 D_u	.545 D_ℓ	.545 V_{dm}	.545 L_{dm}
00						78	6	6			77	3	5			62	4	8		
01						76	10	6			67	7	4			62	4	10		
02						76	2	4			67	10	4			62	2	0		
03						76	8	2			*68					*64				
04						78		0			*67					64	4	8		
05						78	6	6			67	7	5			62	6	5		
06						76		3			67	4	4			62	6	8		
07						76	6	2			67	6	4			64	3	7		
08						76	8	2			69	3	6			62	6	7		
09						78	6	6			67	6	4			60	10	8		
10						78	5	6			77	4	4			64	4	8		
11							8				67	5	3			64	6	6		
12						76	2	3			67	4	4			62	8	6		
13						78		5			67	4	4			64	2	5		
14						76	6	4			*65					62	5	8		
15							4	0			*66					64	8	3		
16						79	6	4								62	6	8		
17						76	7	4			65	5	2			64	6	8		
18						76	4	4			67	4	4			62	6	6		
19						76	6	4			67	6	4			64	4	8		
20						78	7	7			68	3	5			64	4	10		
21						79	10	6			67	10	6			63	5	11		
22						79	6	7			66	4	4			62	6	10		
23						78	4	4			68	4	6			60	6	6		

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	21	5	3			18	7	4			20	3	6			18	0	4		
01	21	3	1			18	4	3			18	4	7			18	0	4		
02	21	3	3			17	5	4			19	3	9			18	0	4		
03	20	5	2			17	4	6			17	4	8			18	0	2		
04	*22					17	4	4			14	7	5			18	0	4		
05	22	4	4			16	3	5			16	5	9			18	0	4		
06	22	3	4			14	3	3			13	7	4			16	2	2		
07	22	4	4			16	3	4			15	3	4			18	0	2		
08	22	5	2			15	5	3			16	3	4			18	0	3		
09	24	6	2			16	3	3			17	2	4			18	0	3		
10	*22					17	3	4			15	3	3			18	0	2		
11	22	7	1			17	5	4			15	4	3			18	0	0		
12	24	4	2			16	4	2			15	3	3			18	0	2		
13	23	2	3			16	4	2			15	3	6			18	0	2		
14	24	3	3			16	4	1			15	4	4			18	0	2		
15	*26					16	3	2			15	6	5			18	2	1		
16	22	3	3			16	4	2			15	5	2			18	2	0		
17	22	3	4			16	3				17	5	2			18	2	0		
18	22	5	2			16	4	2			10	2	4			18	2	0		
19	22	6	2			17	5	4			21	4	6			18	2	0		
20	22	4	2			17	5	2			22	5	3			18	2	0		
21	22	4	3			19	5	4			20	6	5			18	2	2		
22	22	4	2			17	5	5			21	4	5			18	2	2		
23	22	3	4			19	9	2			21	3	5			18	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

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MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.051					.113					.246					.545					2.5					5					10					20				
	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm
00	100	4	4			78	9	5			70	4	7			61	10	3			24	2	4			23	9	6			22	5	6			19	2	2		
01	98	6	2			90	7	~			69	3	6			60	11	5			24	4	2			21	6	5			20	5	7			19	2	2		
02	100	4	4			78	7	5			+72					61	12	5			24	2	4			22	4	5			20	7	5			19	2	2		
03	100	4	4			90	8	3			*69					63	12	8			26	4	4			23	5	6			20	4	2			19	2	2		
04	100	4	4			81	8	7			+66					61	12	6			26	6	4			21	4	4			19	5	6			19	0	2		
05	100	4	4			79	7	4			70	3	6			61	12	4			24	4	2			19	7	2			16	6	3			19	2	2		
06	100	4	4			79	8	5			66	4	4			60	11	5			24	3	2			17	6	2			18	4	4			19	2	2		
07	99	6	4			78	7	4			66	10	4			60	10	3			24	2	4			17	4	2			+18					19	2	2		
08	100	4	4			78	9	6			68	4	6			59	11	5			24	6	2			+17					18	2	4			19	0	1		
09	100	3	4			80	7	6			68					59	12	7			24	6	4			*17					17	3	3			19	2	2		
10	100	4	5			79	6	3			69	5	4			61	10	6			24	8	4			17	2	2			16	4	2			19	2	2		
11	100	3	4			80	3	6			70	3	7			59	12	4			22	6	2			17	3	3			16	6	2			19	0	2		
12	100	4	4			80	7	6			68	8	4			59	15	4			24	7	4			17	2	2			16	4	4			19	2	2		
13	100	4	4			80	8	6			70	6	5			61	10	8			26	6	4			17	4	2			17	3	5			19	2	~		
14	99	3	3			81	7	5			+70					61	11	6			23	5	3			17	6	2			16	5	2			19	2	2		
15	99	5	3			82	7	4			*68					61	12	6			24	6	3			17	4	2			16	4	~			19	2	0		
16	98	4	2			83	4	4			*70					63	15	6			26	3	6			19	2	4			20	6	2			19	2	0		
17	100	2	4			81	10	5			72	2	7			63	9	8			24	4	4			19	2	3			21	3	3			19	4	0		
18	100	6	4			81	3	4			70	4	5			63	8	8			24	2	2			19	2	4			21	7	5			19	2	2		
19	100	6	4			80	5	4			71	5	9			61	10	6			24	4	2			20	4	3			24	6	6			19	2	0		
20	100	4	5			79	5	5			70	3	7			63	8	6			25	2	3			19	9	4			24	6	6			19	2	2		
21	100	6	4			79	6	3			70	5	5			61	9	5			24	4	2			22	9	4			23	8	3			19	2	1		
22	100	6	4			81	6	5			70	6	5			61	10	6			24	3	3			29	11	5			24	5	3			19	4	1		
23	100	2	6			80	9	5			70	5	8			61	10	6			24	4	2			24	9	6			22	4	3			19	2	0		

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

MONTH-HOUR VALUES OF RADIO NOISE

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

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	102	6	2			79	6	2			66	7	6			64	6	12		
01	102	4	2			79	4	4			65	10	5			64	6	10		
02	102	2	2			79	6	4			64	8	4			75	7	11		
03	102	2	2			79	4	4			*64					*72				
04	102	4	1			77		4			*66					68	8	14		
05	102	2	2			77	4	2			67	6	7			64	10	10		
06	100	2	2			77	3	5			68	4	9			64	10	13		
07	100	2	2			79	2	4			62	10	6			64	8	12		
08	100	4	2			77	4	2			65	5	12			64	6	14		
09	100	3	4			79	3	6			62	8	4			63	7	17		
10	100	2	2			78	4	3			60	8	8			64	8	13		
11	100	1	2			79	2	4			65	5	7			64	8	12		
12	100	2	2			79	2	2			64	4	4			64	7	12		
13	98	4	0			78	7	5			67	4	2			64	8	14		
14	100	2	2			79	2	6			62	4	6			67	7	13		
15	100	2	2			79	2	4			+64					66	6	16		
16	100	4	2			*81					*66					65	5	17		
17	100	4	2			79	4	4			64	9	8			66	8	13		
18	100	2	2			79	2	2			65	7	4			64	7	11		
19	101	4	3			79	2	2			64	8	4			64	9	12		
20	101	5	3			79	2	2			64	8	4			64	8	12		
21	102	8	2			79	2	2			64	8	6			64	8	11		
22	102	12	2			79	4	5			64	11	6			67	5	12		
23	102	8	2			79	3	2			62	8	4			64	6	12		

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	23	6	2			31	10	6			28	2	6			20	2	0		
01	23	8	4			31	6	6			28	2	6			20	2	0		
02	21	6	2			31	6	7			26	6	4			20	2	2		
03	21	5	2			25	10	4			24	6	8			20	2	1		
04	23	4	2			23	14	4			24	7	8			20	2	2		
05	23	5	3			21	14	4			22	10	6			20	2	2		
06	23	2	4			19	6	4			22	8	4			20	2	2		
07	20	5	3			16	5	4			20	4	2			20	0	0		
08	21	4	4			15	4	4			20	2	4			20	1	0		
09	21	2	2			15	2	4			20	2	6			20	0	0		
10	21	2	2			15	4	4			18	4	4			20	1	0		
11	21	4	2			17	1	4			18	2	4			20	2	0		
12	21	4	2			17	2	4			18	4	4			20	2	0		
13	21	2	0			15	4	2			20	4	8			20	2	0		
14	21	3	4			17	4	4			20	4	6			21	3	0		
15	21	2	4			17	5	5			22	6	4			20	0	2		
16	*23					19	7	4			30	5	5			20	2	1		
17	21	6	2			23	6	6			26	4	4			20	2	0		
18	23	2	4			23	6	2			28	4	6			20	2	0		
19	23	2	3			25	6	8			28	4	6			20	2	0		
20	23	4	3			30	5	11			28	6	4			20	2	0		
21	23	3	3			29	8	8			30	4	6			20	2	0		
22	23	4	2			31	6	8			30	6	8			20	2	0		
23	21	7	1			33	8	8			28	4	6			20	2	0		

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

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MONTH-HOUR VALUES OF RADIO NOISE

Station Cook, Australia Lat. 30.6 S Long. 130.4 E Month December 19 59

Hour (LST)	Frequency (Mc)																																							
	.013					.051					.160					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	160	4	4	9.0	14.0	138	6	6	9.0	16.0	114	7	5	6.0	14.0	87	8	6	*5.0	*11.5	64	4	4	6.0	11.5	57	4	5	4.5	8.0	46	4	2	4.0	8.0	25	6	2	3.0	5.0
01	160	4	4	9.0	15.0	138	6	4	8.0	15.5	115	6	6	7.0	14.0	87	7	7	6.5	13.0	62	8	3	5.5	10.0	58	2	4	5.0	9.5	46	2	4	5.0	8.0	23	5	1	3.0	4.5
02	160	4	4	8.0	14.0	138	4	6	8.5	15.5	115	4	6	6.5	14.0	87	6	6	5.0	13.0	63	4	6	8.0	13.0	56	4	2	5.0	9.5	45	3	3	4.0	7.0	23	4	2	3.0	4.5
03	160	2	4	*8.0	*14.5	138	4	6	10.0	16.5	113	6	6	8.0	15.5	87	8	6	7.0	13.5	61	6	5	7.5	12.5	56	4	3	6.0	11.0	46	2	3	4.5	7.5	23	5	2	3.0	5.0
04	160	2	4	9.5	16.0	136	4	10	10.0	17.0	111	6	9	9.0	16.0	81	6	7	9.0	17.0	60	9	6	8.5	14.5	56	3	4	5.0	9.0	44	2	2	5.5	8.5	23	3	2	2.5	3.5
05	158	4	4	9.5	16.5	128	6	4	9.0	16.0	94	12	9	*11.5	*19.5	55	11	9	*5.0	*7.0	50	9	11	10.0	14.5	52	4	13	7.0	11.0	42	5	4	6.0	8.5	23	4	2	2.5	4.0
06	156	4	3	10.0	17.0	126	6	8	8.0	15.0	84	15	14	*11.0	*19.0	51	18	10	4.5	7.5	34	14	10	*9.0	*13.0	36	8	9	8.0	12.5	38	4	6	6.0	9.5	23	4	2	*4.0	*6.0
07	156	4	4	*10.0	*18.0	126	4	10	9.0	17.5	87	14	12	10.0	18.5	49	12	8	*5.0	*7.5	26	10	6	*7.0	*8.5	27	11	5	5.0	7.0	30	8	2	5.0	8.0	23	4	2	3.0	5.5
08	156	4	4	11.5	18.5	126	6	8	10.0	17.5	89	14	12	12.0	19.0	48	13	7	*6.0	*9.0	24	14	5	3.0	4.0	26	21	4	4.0	6.0	28	9	5	7.0	9.0	23	4	2	2.5	4.0
09	156	6	4	12.0	20.0	128	2	10	9.0	17.5	91	12	14	8.5	15.0	49	16	8	4.5	7.5	24	17	6	*4.0	*6.0	26	14	6	3.0	5.0	26	10	7	5.0	7.0	22	5	3	2.5	4.5
10	156	4	6	11.0	20.0	128	4	14	11.0	19.0	91	12	16	10.0	18.0	51	20	10	*3.0	*6.0	22	29	4	2.5	4.0	26	14	10	*4.0	*7.0	26	17	8	*4.0	*6.0	21	7	2	*2.5	*3.5
11	158	6	6	11.0	19.0	130	6	13	10.0	17.0	91	10	13	8.0	15.5	47	28	6	*3.0	*6.0	22	22	3	6.0	9.0	26	11	8	*5.0	*6.5	24	12	6	4.0	6.5	22	6	3	3.5	5.0
12	158	8	6	10.5	18.0	130	6	14	7.5	14.0	94	15	11	6.5	13.0	54	17	13	*2.5	*7.0	20	24	2	3.0	5.0	26	19	6	*5.0	*7.0	25	11	7	4.0	5.5	22	6	3	2.5	4.5
13	158	10	6	9.0	16.0	132	11	13	6.0	12.0	97	20	14	5.0	8.5	57	26	12	4.0	8.0	24	20	6	*3.0	*5.0	26	26	6	*4.5	*7.0	28	8	6	*5.0	*8.0	25	6	4	3.0	5.0
14	161	7	8	7.0	12.0	135	10	10	5.5	11.0	97	24	8	4.5	9.5	55	33	12	*5.5	*6.5	23	29	5	6.0	9.0	25	28	7	5.0	8.0	30	6	4	5.0	8.0	27	4	6	3.5	5.5
15	162	4	8	6.5	12.5	*133			4.5	9.0	*97			*5.0	10.0	*53			*2.5	*5.5	22	33	4	3.5	6.0	26	16	6	*4.0	*7.0	*34			*4.0	*7.0	27	6	4	*3.0	*5.0
16	*162			*6.5	*12.0	132	6	6	5.0	9.5	131	14	12	6.5	12.5	53	33	8	*2.5	*5.0	*24			*10.5	*14.0	30	6	6	*4.5	*6.5	39	3	10	5.0	8.0	27	4	4	2.5	5.0
17	160	6	4	7.0	12.0	132	8	6	4.5	9.0	101	16	10	5.0	11.0	57	36	12	3.0	6.5	32	19	10	*3.0	*5.5	38	14	7	*4.0	*6.0	43	6	5	4.0	7.0	29	4	6	3.0	6.0
18	160	4	4	7.5	13.5	132	6	6	5.0	10.0	103	12	8	5.0	10.0	67	20	8	2.0	5.0	50	12	10	3.5	7.0	48	9	7	*4.0	*7.0	48	3	8	4.0	7.0	27	6	4	4.5	6.5
19	160	4	6	8.0	13.5	133	5	7	5.5	11.0	113	6	10	4.0	10.5	83	10	8	3.0	8.0	64	4	10	3.5	7.0	58	6	6	5.0	9.0	50	0	8	4.0	7.0	29	6	6	4.0	7.0
20	160	4	6	9.5	16.0	138	2	10	6.0	12.5	117	4	12	5.0	9.5	87	8	8	4.0	8.5	66	4	8	5.5	11.0	60	4	5	4.0	8.0	50	2	7	4.5	8.0	27	5	4	3.5	6.0
21	160	4	6	9.0	16.0	138	4	8	7.0	14.0	117	4	12	5.5	11.0	89	8	12	5.0	10.0	68	5	9	6.0	9.5	60	4	6	5.0	9.0	48	4	6	5.0	8.0	27	6	5	3.5	6.0
22	160	4	6	8.0	14.5	138	6	6	8.5	16.0	115	4	8	5.5	11.0	88	9	10	5.0	10.0	66	4	6	7.5	11.5	60	2	7	4.0	8.0	48	4	5	4.5	7.5	25	6	2	*3.0	*5.0
23	159	5	5	8.0	14.0	136	8	4	7.5	15.5	114	5	5	5.5	12.5	87	10	6	4.5	10.5	65	4	5	8.5	14.0	58	4	5	6.0	11.5	48	2	6	5.0	8.0	26	3	3	3.5	6.0

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

USCOMM-NBS-DC

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013					.051					.160					.545					2.5					5					10					20				
	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm
00	158	6	4	10.0	16.0	136	6	4	10.0	17.0	115	6	6	8.0	16.5	92	6	8	7.0	14.0	66	6	4	8.0	14.5	58	4	6	7.0	13.0	44	4	2	4.5	8.0	26	2	4	2.0	4.0
01	159	5	5	10.0	15.5	136	4	4	10.0	17.5	113	8	6	8.0	15.5	90	8	6	7.5	15.0	66	4	6	9.0	14.5	56	6	4	7.0	12.0	44	4	2	5.5	8.5	24	2	2	2.5	5.0
02	160	4	4	9.5	14.0	134	6	4	10.0	17.5	113	6	6	8.5	16.5	90	8	8	8.0	17.0	66	4	4	9.0	16.0	56	6	2	7.5	13.0	44	4	2	5.0	8.5	24	2	2	2.5	4.0
03	157	5	3	8.5	15.5	134	6	12	12.0	19.5	113	6	10	11.0	19.5	88	6	8	8.5	19.0	64	6	6	8.0	14.5	56	4	4	7.5	12.5	44	2	4	5.0	7.0	22	2	0	2.5	4.0
04	156	4	2	9.0	16.0	134	4	8	10.0	18.5	109	8	10	9.0	17.5	84	10	8	7.5	16.0	62	4	7	10.5	17.5	54	6	2	7.5	12.5	44	0	4	4.5	7.5	24	0	2	2.0	3.5
05	155	4	3	10.0	17.0	126	10	4	10.0	17.0	99	10	6	*9.5	+17.0	70	6	20	+5.5	+9.0	54	6	10	9.5	17.5	56	6	8	7.0	12.0	43	3	5	4.5	8.0	24	0	2	2.0	3.5
06	154	4	4	+12.0	*19.0	126	6	18	10.5	17.5	92	10	19	11.0	18.0	58	18	12	6.5	11.5	42	5	9	*11.5	+16.0	42	12	7	8.0	13.0	40	2	4	5.5	10.0	24	2	2	2.5	4.0
07	152	8	1	11.5	18.0	122	10	2	11.0	19.5	88	7	13	9.5	16.0	58	18	12	5.5	7.0	36	6	10	10.5	17.0	34	10	6	8.0	14.5	32	6	4	7.0	10.5	24	2	2	2.5	4.5
08	154	5	3	12.0	19.5	122	8	12	11.5	20.0	89	8	12	10.0	19.5	58	18	12	5.5	7.0	28	14	8	7.5	11.0	31	11	5	8.0	12.0	30	10	4	7.5	12.5	24	2	2	2.5	4.5
09	154	6	4	12.5	20.0	120	10	9	12.5	20.0	89	8	9	13.0	21.5	53	27	11	5.0	7.5	30	12	10	8.0	14.0	30	10	6	7.0	12.0	28	8	4	6.0	8.5	22	2	0	2.0	4.0
10	152	6	7	13.0	20.0	124	8	10	11.5	21.5	85	23	9	11.5	19.5	56	22	15	6.5	12.5	32	12	12	6.0	8.5	30	13	4	5.5	8.5	31	7	9	7.5	11.5	22	3	3	+2.5	+4.0
11	153	6	8	13.0	21.5	119	13	9	*8.0	*15.0	93	17	14	7.5	13.0	54	24	12	3.5	5.5	26	18	6	5.0	9.0	26	16	5	7.0	10.0	30	5	8	7.5	12.0	22	4	2	2.5	4.0
12	156	6	6	9.0	16.5	126	8	15	+7.0	+13.5	97	15	18	6.5	16.0	58	22	11	5.5	9.0	24	13	6	+7.0	+9.5	28	11	9	*4.5	*7.5	30	5	8	8.0	13.0	23	3	2	3.0	4.5
13	158	6	8	*8.0	*15.5	130	6	6	*6.5	*12.0	100	14	11	6.0	10.5	67	15	16	*6.5	11.5	22	26	4	*5.5	*7.5	26	14	5	5.0	7.0	32	4	9	*6.5	*10.5	24	4	2	2.5	5.5
14	158	8	4	9.5	16.5	132	6	8	6.0	11.5	107	9	16	5.5	10.0	72	23	18	+6.5	9.0	36	27	12	8.0	13.0	30	14	8	*6.0	13.5	34	4	9	5.5	11.0	26	5	3	2.0	5.0
15	158	9	4	*7.0	*13.0	131	9	4	*5.0	*11.5	107	11	17	*5.0	*9.5	68	16	24	*3.5	6.5	34	24	10	9.5	15.0	31	9	8	9.0	14.0	34	8	10	5.5	11.5	*26			3.5	5.5
16	*160			*9.5	*16.0	130	10	4	6.5	11.5	109	12	20	*7.5	+12.0	72	25	23	5.0	8.0	28	24	10	+12.0	*16.0	*35			*5.0	9.5	38	4	8	5.0	10.0	28	3	5	3.0	4.5
17	162	4	6	8.5	15.0	135	7	9	6.0	10.5	108	14	17	6.0	9.5	70	26	19	5.0	8.0	32	29	12	7.0	15.0	42	10	10	5.5	10.0	44	2	12	5.0	8.5	28	4	4	3.0	6.0
18	160	6	4	7.5	14.5	132	9	8	6.0	11.5	107	13	12	6.5	12.0	76	16	14	4.0	7.5	49	13	9	7.0	14.0	48	8	8	5.0	10.0	46	4	4	4.5	8.0	28	4	4	3.0	5.5
19	160	6	6	9.0	15.0	134	6	6	5.0	10.0	113	8	8	5.0	12.0	88	6	10	5.0	8.5	62	6	12	6.0	10.5	60	4	8	4.0	9.0	47	5	5	4.5	8.0	28	4	4	3.5	6.0
20	162	4	8	9.0	15.5	138	4	5	6.5	13.5	116	7	7	5.0	10.0	90	8	10	4.5	8.0	68	4	10	5.5	11.5	62	4	4	5.5	10.0	48	2	6	5.0	8.5	26	6	2	4.0	6.5
21	160	6	6	10.0	16.0	138	4	6	8.5	15.5	117	6	8	7.0	13.0	92	7	8	5.5	9.5	68	4	6	6.5	11.5	62	4	6	5.0	9.5	46	4	2	4.5	8.5	28	4	4	3.5	6.0
22	160	4	6	10.5	15.0	138	6	6	8.5	16.5	113	10	2	7.0	14.0	92	6	8	6.5	12.5	67	5	7	5.5	11.5	62	2	6	4.5	9.0	46	4	3	6.5	10.0	28	6	4	2.0	5.0
23	160	5	6	9.5	16.0	138	4	6	8.5	15.5	115	6	6	7.0	15.5	92	6	6	6.0	13.5	66	6	4	6.5	12.0	58	6	4	5.5	12.5	46	2	6	5.0	8.5	26	10	2	3.0	5.5

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Cook, Australia Lat. 30.6 S Long. 130.4 E Month February 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	Fom	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	159	8	2	9.5	15.0	135	7	6	9.0	17.0	113	6	6	6.5	14.0	93	9	9	6.5	14.5	67	6	8	8.0	14.0	57	5	4	7.0	12.0	45	4	6	5.0	8.0	24	2	2	4.0	5.0
01	159	9	3	8.5	14.0	134	10	6	9.5	16.5	113	6	6	7.0	15.5	93	7	10	7.0	16.5	64	8	6	7.0	12.5	55	7	4	6.0	11.5	45	4	4	4.5	7.0	24	2	2	2.5	4.5
02	159	7	4	8.0	14.5	136	6	8	8.0	15.5	113	4	8	8.5	18.5	92	6	11	6.0	14.0	64	7	9	9.0	14.5	57	3	6	6.0	11.0	45	3	6	5.0	8.0	24	2	2	2.0	3.5
03	159	8	4	9.5	16.0	134	6	6	11.0	18.5	111	6	8	7.5	16.0	90	6	17	*6.0	*12.5	63	8	9	7.0	12.5	56	5	5	5.5	10.0	43	4	5	5.0	8.0	24	0	2	2.0	3.5
04	157	10	4	10.0	16.0	133	7	7	12.0	19.5	111	4	12	9.0	17.5	86	9	12	7.5	17.0	61	8	10	*8.0	*16.0	54	5	3	5.5	10.0	43	4	6	4.5	8.0	24	2	2	2.0	3.5
05	156	7	3	10.5	17.5	128	8	7	11.0	19.0	103	10	8	*11.5	*20.0	72	8	14	*11.0	*17.5	59	8	10	8.0	15.0	57	6	4	5.0	10.0	41	4	4	5.0	9.0	24	0	2	2.5	4.0
06	155	4	2	*10.0	*17.5	122	8	4	*10.5	*17.5	86	10	10	*10.0	*17.5	50	10	7	*5.0	*7.5	47	7	9	*8.0	*13.0	45	6	7	5.0	8.5	40	3	5	5.0	9.0	23	3	1	2.5	4.5
07	153	4	4	*10.0	*17.5	123	7	9	*13.5	*15.5	83	8	18	*10.5	*18.5	52	8	6	*2.5	*5.5	37	10	10	6.5	10.0	35	4	10	5.0	10.0	35	4	4	5.0	8.0	24	2	2	4.0	5.5
08	152	5	7	10.5	17.0	118	8	8	*12.0	*16.5	81	10	18	*9.0	*18.5	52	9	10	*3.5	*5.5	29	12	4	3.0	9.5	29	10	4	4.0	10.5	31	3	8	5.5	9.0	24	2	4	3.5	5.0
09	151	6	4	12.5	20.5	119	7	9	*20.0	*23.0	83	12	18	*12.0	*20.0	50	9	4	*4.0	*6.5	27	13	5	6.5	12.0	25	11	4	*7.0	*7.0	25	8	6	*7.0	*9.0	22	4	2	3.5	5.5
10	151	6	6	*12.0	*19.0	118	10	12	*14.0	*23.5	83	10	16	*11.0	*20.0	52	7	7	*4.0	*6.0	25	12	6	*4.5	*8.5	23	14	2	4.0	7.0	23	8	4	8.0	14.5	22	4	4	*3.5	*5.0
11	153	6	9	14.0	21.5	120	12	11	*11.0	*20.5	84	13	13	*10.0	*17.5	52	7	10	*7.5	*11.5	25	12	6	*5.0	*9.0	25	11	6	4.5	11.5	22	12	5	6.5	13.0	22	3	4	*3.5	*5.5
12	153	6	7	13.5	21.5	122	11	8	*8.5	*16.0	89	6	12	6.5	19.0	52	8	9	*5.5	*8.5	25	14	4	5.0	8.5	23	14	4	*2.5	*8.5	25	8	8	*7.5	*13.0	22	3	4	3.5	5.5
13	155	6	4	11.0	19.5	128	4	8	*6.0	*11.0	95	7	17	9.0	16.0	54	12	9	*5.0	*7.5	26	16	6	5.0	8.5	25	15	8	*4.0	*7.5	27	8	8	*7.6	*12.5	24	4	4	*3.5	*6.0
14	157	8	4	*8.0	*15.0	*130			*6.0	*10.6	*101			*7.0	*11.0	*58			*5.0	*9.5	*25			4.0	6.0	25	8	6	*6.5	*11.0	*31			*6.5	*11.0	22	6	2	*4.0	*6.5
15	*165			8.0	15.0	*134			*5.0	*10.0	*103			7.5	11.5	*64			*5.0	*8.0	*28			*7.0	*11.0	*29			*5.0	*8.0	*35			*7.5	*13.5	*24			*3.5	*6.0
16	*162			10.0	17.0	*135			7.5	13.5	*107			7.0	13.0	64	13	10	7.5	12.0	*30			*9.5	*12.5	*33			*3.5	*6.5	*40			*5.5	*10.0	*24			*4.5	*7.0
17	165	4	9	7.5	17.0	136	5	11	5.5	11.0	105	9	12	7.5	14.5	64	19	8	8.0	13.5	35	11	7	*5.5	*9.0	39	10	9	*4.5	7.5	45	7	10	*4.5	*8.5	26	4	4	*4.5	*7.5
18	163	6	8	8.0	14.0	135	7	9	6.0	11.5	106	9	5	7.5	12.5	73	14	11	5.5	9.5	51	2	11	*5.0	9.5	49	6	7	4.5	8.0	47	4	6	*5.0	*9.0	26	6	4	4.0	7.0
19	163	4	8	7.5	14.0	134	8	6	7.0	12.5	113	4	6	5.0	10.0	90	6	8	4.0	8.5	62	5	7	7.0	13.0	39	4	6	4.5	7.5	49	4	4	4.0	7.5	25	5	3	4.5	7.0
20	162	7	6	9.0	15.0	136	8	6	6.5	13.0	115	4	8	5.0	11.5	94	6	10	4.5	9.5	69	6	8	5.0	10.5	61	4	4	5.0	9.5	48	3	5	5.5	9.0	24	4	2	3.5	6.0
21	163	6	8	8.5	15.5	138	3	8	6.5	13.5	115	6	8	5.0	10.5	94	8	7	4.0	8.5	70	5	9	6.5	12.5	59	4	2	6.0	10.0	47	4	4	5.0	8.5	24	5	2	3.0	5.5
22	161	8	6	9.0	15.5	136	8	8	7.0	14.5	115	6	8	5.5	12.0	95	7	8	5.0	12.0	69	7	8	5.5	12.5	59	6	4	5.5	10.0	47	8	6	5.0	8.5	24	4	2	2.5	5.0
23	161	7	6	10.5	16.5	136	7	5	9.0	17.5	113	6	8	6.5	14.0	93	9	8	5.0	12.5	67	6	7	8.0	14.0	57	6	3	6.0	11.0	47	2	8	*4.5	*8.5	24	4	2	3.0	5.0

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

USCOMM-NBS-DC

MONTH-HOUR VALUES OF RADIO NOISE

Station Enkoping, Sweden Lat. 59.5 N Long. 17.3 E Month December 19 59

Frequency (Mc)

Hour (LST)	.051										.246 **					.545					2.5					5					10					20				
	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm
00	114	4	4								72	20	6	*7.0	*10.0	69	10	8	*5.0	*9.5	47	8	2	6.0	11.0	*47					33	6	4	3.5	5.0	20	0	0	*3.0	*4.0
01	114	5	3								74	16	5	*6.0	*9.5	63	9	6	4.5	8.5	49	5	6	9.5	15.0	47	6	4	7.0	10.5	31	5	2	2.5	4.5	20	1	0	*1.0	*3.0
02	114	6	4								74	3	5	*7.0	*11.0	61	6	6	*2.5	*4.5	46	5	5	10.0	16.0	*45			2.0	4.0	31	4	2	3.0	4.5	20	2	0	*2.0	*4.0
03	114	4	4								72	4	4	8.0	11.0	62	7	5	*7.0	*11.0	47	6	4	7.0	10.5	48	5	5	6.5	11.0	31	4	2	4.0	6.0	20	2	0	*1.0	*3.0
04	114	2	5								70	7	4	*6.5	*9.0	70	7	8	*9.5	*14.0	47	2	7	6.0	10.5	*50			16.0	28.5	31	6	2	4.0	6.0	22	0	2	*1.0	*3.0
05	114	3	5								76	7	5	*5.0	*9.0	80	6	8	*10.0	*12.0	45	6	6			47	6	4	5.5	8.0	31	4	2	0.5	4.0	22	0	2	*0.5	*2.5
06	112	4	4								*70					76	6	7	*5.0	*8.5	43	4	4	6.0	9.0	*45					31	2	2	2.5	5.0	22	0	2	*1.0	*3.0
07	110	5	6								*70			*7.0	*10.0	61	8	4	*3.5	*10.0	42	6	3	4.5	6.5	46	7	5	9.0	13.5	*37					22	2	0	*1.0	*3.0
08	106	6	8													67	7	8	*4.5	*9.5	37	7	6	4.0	6.0	45	4	8			37	4	2			24	2	2	*1.0	*3.0
09	100	6	4													67	12	6	*2.0	*5.0	37	4	2	2.5	4.5	33	8	6	5.0	8.0	37	9	3			26	9	3		
10	97	11	6													70	9	4	*7.0	*9.0	37	4	4	3.0	5.0	*27			4.0	7.5	35	5	4	6.5	9.5	27	4	5	*3.0	*4.0
11	98	6	8													70	11	5	*8.5	*10.0	37	5	4	2.0	4.0	*23			4.5	6.5	35	5	6	3.5	6.0	28	7	6	*3.0	*5.0
12	100	10	10													*72					41	4	4			*24					35	5	6	4.5	7.0	26	3	2	*3.0	*5.0
13	102	9	8													66	10	8	*4.5	*8.0	45	4	4	2.0	3.5	25	9	6	6.5	8.5	37	1	6	4.0	6.5	26	4	2	*3.0	*5.0
14	100	10	10													69	6	8	*3.0	*6.0	47	4	4	2.5	5.0	*35					41	11	5	2.0	5.0	27	3	4	*2.0	*4.5
15	98	10	6								*68			*4.0	*6.5	67	10	6	*3.0	*8.0	45	5	6	4.0	7.0	37	11	2	4.5	7.0	41	4	6	4.0	7.0	26	8	2	*1.0	*3.5
16	100	10	2													69	6	8	*3.0	*6.0	41	8	4	4.0	5.5	*43			4.0	6.0	43	5	4	5.0	8.0	25	3	3	2.5	4.5
17	106	9	6													80	5	12	*5.5	*12.5	41	8	7	2.0	4.0	43	5	4	7.0	7.5	45	6	4	6.0	10.0	22	2	0	*1.0	*4.0
18	110	7	5													79	6	10	*5.5	*7.0	43	6	8	7.0	10.5	*47			5.0	8.5	43	4	5	4.0	6.0	20	0	2	*1.0	*3.0
19	112	5	3													78	6	10	*8.0	*11.0	43	6	8	4.0	6.0	47	8	3	7.0	11.0	41	10	10	5.0	11.5	20	2	0	*1.0	*3.5
20	114	4	4													85	4	12			47	6	6	5.5	9.0	*49			7.0	10.0	35	14	4	2.0	5.0	20	1	0	*2.0	*4.0
21	112	5	2													83	8	6	*4.5	*9.0	47	8	6	5.0	8.5	46	6	3	4.0	7.0	35	10	4	2.0	4.0	20	2	0	*1.5	*3.5
22	112	4	2													81	7	3	*7.0	*13.0	45	8	4	7.5	13.0	*49					31	6	2	1.0	4.0	20	0	0	*1.0	*4.0
23	114	4	4								72	6	7	*6.0	*10.0	77	10	5	*2.5	*7.0	49	6	6	8.0	13.0	47	5	2	5.0	8.0	21	6	2	1.0	3.5	20	1	0	*1.0	*4.0

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

**Interference Kalungborg Broadcast Station from 0800 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 January 19 60

Frequency (Mc)

Hour (LST)	.051										.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	114	6	5	6.5	10.0						75	8	8	4.5	8.5	77	10	12			50	7	4	6.5	10.5	48	6	4	5.0	8.0	36	5	6	2.0	4.0	20	0	0	0.5	2.5
01	112	8	4	6.0	10.0						74	10	5	3.0	6.0	63	9	6	2.5	4.0	48	6	4	4.0	7.5	48	6	6	3.0	5.5	33	6	4	1.0	3.0	20	0	0	1.0	2.5
02	112	10	4	8.0	13.0						73	8	5	2.5	5.0	63	7	8	3.5	6.0	48	8	6	6.5	9.5	47			6.0	8.0	34	4	4	2.0	4.0	20	2	0	0.5	2.5
03	112	9	3	9.0	15.0						73	6	7	4.0	7.5	65	12	8	2.0	3.0	47	5	5	5.0	8.0	48	8	4	4.5	8.0	34	2	6	2.5	4.5	20	2	0	1.0	3.0
04	112	8	4	9.0	14.5						71	6	7	4.5	7.5	70	17	7	6.5	10.5	46	4	5	6.5	11.0	46			5.0	9.0	34	5	4	2.0	3.5	20	2	0	0.5	2.5
05	114	6	6	9.0	15.0						77	6	6	3.0	6.5	81	10	12	4.5	11.0	45	5	4	5.5	9.5	47	5	3	5.0	8.0	32	4	4	2.0	3.5	21	1	1	0.5	2.5
06	112	6	6	11.0	16.5						70					77	6	8			42	6	4	4.5	8.0	46			5.0	8.0	34	4	6	1.5	4.0	22	2	2	0.5	2.5
07	108	6	8	12.0	18.0						71					65	13	7	3.0	6.0	44	6	6	5.0	8.0	48	16	2	8.0	12.5	42	10	6	2.0	4.0	22	2	2	1.0	3.0
08	104	8	7	14.0	20.0											71	8	12	4.0	7.5	39	3	3	4.0	6.0	44	4	6	5.0	7.5	38	6	4	4.0	6.0	27	5	5	2.0	4.0
09	100	8	6	11.0	16.0											73	8	13	2.5	6.5	40	2	4	2.0	5.0	30			5.0	8.0	36	4	3	4.0	6.0	26	9	4	2.0	3.5
10	96	4	6	10.0	14.0											65	9	8	1.0	3.0	38	5	6	1.0	3.5	28			2.5	5.0	34	7	6	4.0	7.0	28	7	5	5.0	7.0
11	96	4	8	6.5	9.0											64	14	5	6.0	11.0	40	2	7	3.0	4.0	22	6	4	4.0	6.0	34	6	4	3.5	7.0	26	8	5	2.0	3.0
12	94	9	6	9.0	12.0											65	6	12			40	8	6	5.0	5.0	22					32	7	4	4.0	7.0	26	6	3	1.5	4.0
13	94	5	6	8.0	11.0											63	18	9	2.5	5.0	45	5	4	3.0	5.0	25			2.0	3.0	34	4	3	4.0	7.5	27	5	5	3.5	5.0
14	96	4	6	7.5	13.0											69	14	10			48	4	4	2.0	3.5	24			3.5	4.0	44	5	6	7.5	17.0	30	6	6	3.0	4.5
15	96	4	6	8.0	12.0						67			3.0	5.5	73	14	8	2.0	8.5	52	4	4	2.0	4.5	36	6	8	2.5	5.0	42	5	4	6.0	10.0	28	10	4	3.0	5.5
16	98	7	4	6.0	11.0											79	4	14	6.0	10.0	48	4	6	2.0	3.5	44	8	10	7.0	9.5	44	3	6	4.0	7.0	26	7	4	2.0	4.0
17	102	8	4	6.0	9.0											77	15	6	3.5	9.0	42	3	4	2.0	4.0	48	6	10			44	4	4	5.0	7.5	22	6	2	3.0	4.0
18	108	4	4	6.0	9.5											80	5	11	3.5	5.5	44	6	6	5.0	5.0	48			2.5	5.0	44	5	6	4.0	8.0	20	4	0	1.0	3.0
19	110	6	6	6.0	9.0											85	6	13	4.5	7.0	45	5	3	4.5	7.0	50			4.0	7.0	39	15	9	3.0	5.0	20	2	0	1.0	3.0
20	110	6	4	6.0	9.5											85	6	8			46	6	4	10.0	12.0	50			10.5	13.0	42	10	12	3.5	6.5	20	2	0	1.0	2.5
21	112	5	7	9.0	12.5											85	6	9	5.5	10.5	48	6	6	7.5	12.0	48					40	10	6	4.0	7.0	20	0	0	0.5	2.5
22	112	5	6	6.5	10.0											85	8	11			48	4	4	6.5	9.5	51			5.5	8.5	40	8	10	4.5	6.5	20	0	0	1.0	2.5
23	114	6	7	7.0	11.0						71	8	6	4.0	7.0	81	5	10	3.0	7.0	48	6	6	6.0	9.0	48	9	2	6.0	10.0	36	10	8	2.5	4.5	20	0	0	1.0	2.5

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

**Interference Kalungborg Broadcast Station from 0800 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 February 19 60

Frequency (Mc)

Hour (LST)	.051										.246 **					.545					2.5					5					10					20				
	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm
00	114	3	4	7.0	11.5						76	4	8	4.0	8.0	75	8	10	*10.0	*13.5	51	5	5			53	5	7			40	9	6			21	2	2		
01	114	4	4	8.0	12.5						72	6	5	*3.5	*5.5	63	7	4	4.0	7.0	51	4	5			*55					36	4	4			21	2	2		
02	114	4	4	9.0	14.0						72	6	5	3.0	6.0	61	8	2	4.0	6.5	51	4	6			51	4	5			35	3	3			21	2	0		
03	114	3	6	10.5	15.5						71	7	5	4.0	8.5	63	6	8	*4.0	*7.0	49	5	5			*51					34	8	2			21	2	0		
04	113	3	5	11.0	15.5						71	8	3	4.5	8.0	72	13	11	*7.0	*12.0	49	6	6			51	10	6			34	4	2			21	2	0		
05	112	5	4	12.0	18.0						78	8	10	*6.0	*9.0	77	8	8	*6.0	*10.5	48	4	6			*51					34	4	2			21	2	0		
06	112	4	6	11.5	17.5						*67			*5.0	*8.5	73	4	10	*6.0	*12.0	47	8	4			49	6	5			38	10	4			22	1	1		
07	106	5	4	9.5	18.0						*76					65	4	6	*6.0	*9.0	43	8	6			*47					52	10	8			23	2	2		
08	100	9	2	13.0	19.0											64	8	7	*3.0	*6.5	37	5	5			41	7	7			42	9	8			26	6	4		
09	96	7	4	7.0	10.5											59	15	4	*4.0	*7.0	39	4	3			*33					*42					*27				
10	98	12	6	*10.0	*14.0											63	12	5	*5.0	*8.0	39	6	6			*25					42	14	12			29	6	6		
11	100	8	9	7.5	11.5											*61			*1.0	*2.5	39	4	6			*27					*42					*27				
12	*98			11.5	16.0											*57			*4.0	*8.0	*43					*24					*42					*27				
13	94	8	6	*10.5	*14.0											57	12	4	*4.0	*7.5	*45					*25					*43					25	12	4		
14	93	14	3	11.5	17.0											65	6	8	4.0	8.0	*49					28	11	7			50	10	10			30	6	5		
15	99	10	8	8.0	13.0						*64					73	8	8	*6.5	*14.0	49	4	7			*29					46	12	6			29	4	4		
16	104	6	10	9.0	13.0											72	9	8	*4.0	*7.0	47	3	5			43	8	8			46	4	4			29	6	2		
17	102	8	6	10.0	15.0											75	11	5	*7.5	*13.0	45	4	4			*45					44	6	4			26	3	1		
18	108	6	6	8.5	13.0											77	8	8	5.5	8.0	47	3	4			52	5	5			46	8	4			23	4	2		
19	112	3	6	6.0	10.5											81	8	7	*5.0	*10.0	47	5	4			*51					42	16	2			21	4	0		
20	112	6	6	8.0	12.0											81	8	8			49	6	2			53	2	5			44	11	5			21	2	2		
21	110	7	2	5.5	9.5											83	8	10			51	4	5			*55					44	8	8			21	2	2		
22	112	5	4	7.0	11.0											85	10	12	*9.0	*13.0	51	4	6			55	4	4			47	8	10			21	2	2		
23	112	4	2	8.0	12.0						70	8	4	4.5	7.5	79	6	8	*3.0	*6.0	51	7	5			*53					42	10	6			21	2	2		

F_{om} = medion volue of effective ontenno noise in db above ktb
D_u = rotio of upper decile to medion in db
D_ℓ = ratio of medion to lower decile in db
V_{dm} = medion deviotion of overoge voltoge in db below mean power
L_{dm} = median deviotion of overoge logarithm in db below meon 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 December 19 59

Hour (LST)	Frequency (Mc) .135 Fam	Du	Dℓ	Vdm	Ldm	.500 Fam	Du	Dℓ	Vdm	Ldm	2.5 Fam	Du	Dℓ	Vdm	Ldm	5 Fam	Du	Dℓ	Vdm	Ldm	10 Fam	Du	Dℓ	Vdm	Ldm	20 Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	102	9	3			75	9	5			51	9	5			50	7	5			36	3	3			21	1	1												
01	103	11	4			75	10	5			52	10	6			50	7	5			35	3	2			21	1	1												
02	103	11	4			74	10	5			51	8	6			50	5	5			35	3	2			21	1	1												
03	103	12	5			74	7	7			51	6	7			50	4	5			36	1	2			21	1	0												
04	99	9	4			70	9	7			49	8	7			49	5	6			36	1	3			23	1	1												
05	97	10	4			69	10	10			48	10	6			48	6	6			35	2	2			23	1	1												
06	95	9	3			62	11	6			46	9	4			47	7	4			35	2	2			23	1	1												
07	92	5	3			58	4	3			40	4	6			44	2	4			36	2	2			23	1	1												
08	89	5	1			55	4	2			33	5	5			34	4	5			36	2	3			24	2	2												
09	90	6	2			55	4	3			30	3	4			30	4	3			34	1	2			24	3	1												
10	90	3	2			55	3	2			29	3	3			28	3	2			32	3	2			24	2	1												
11	90	3	2			56	3	3			29	2	6			27	3	1			31	2	2			25	1	2												
12	90	4	2			56	4	3			29	2	6			27	2	2			31	2	3			25	1	2												
13	91	4	3			56	3	3			29	3	6			27	3	2			31	2	3			25	2	2												
14	91	3	4			56	3	3			29	4	3			28	3	2			33	2	4			25	2	1												
15	90	6	3			55	4	2			30	4	4			31	4	4			35	4	4			26	1	2												
16	91	3	3			58	4	3			34	6	5			38	4	5			40	4	4			27	1	2												
17	93	7	5			59	5	3			43	6	7			45	4	2			42	4	4			27	2	2												
18	97	6	6			64	6	5			46	9	3			48	3	4			43	4	4			26	2	2												
19	98	7	6			68	7	7			50	8	5			48	6	4			43	4	4			24	3	1												
20	103	7	6			71	8	7			51	7	7			50	6	5			40	4	4			22	1	1												
21	103	10	6			72	10	4			51	8	6			50	7	3			39	3	3			22	1	1												
22	103	10	7			74	10	6			51	9	5			50	5	4			38	3	3			21	2	1												
23	102	10	4			75	9	5			51	9	4			50	5	5			37	5	3			21	1	1												

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

USCOMM-NBS-DL

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Front Royal, Virginia Lat. 38.8 N Long. 78.2 W Month January 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	104	9	3			75	11	4			53	9	5			52	7	6			40	4	4			22	0	1												
01	105	7	4			75	15	4			54	10	6			52	7	5			39	5	3			22	0	1												
02	105	8	4			75	15	6			54	11	6			52	7	6			39	6	2			22	1	0												
03	104	9	4			74	15	6			55	8	8			51	7	5			39	5	2			22	1	0												
04	103	11	4			68	15	6			56	7	8			51	8	5			36	3	2			23	1	0												
05	102	10	4			65	18	6			54	10	8			51	8	4			36	3	2			24	0	1												
06	98	15	4			61	18	4			49	13	4			48	10	4			35	3	1			24	1	1												
07	95	6	3			56	6	4			44	4	4			45	6	3			37	5	4			24	1	1												
08	90	6	3			56	6	3			32	8	3			34	5	5			37	4	3			25	2	2												
09	90	5	2			57	4	3			29	4	3			28	6	3			36	2	3			25	2	1												
10	90	3	3			56	4	4			29	3	5			27	3	2			33	2	2			26	1	2												
11	90	3	3			57	4	2			28	3	4			26	3	1			32	2	1			25	2	1												
12	90	3	3			57	4	3			28	4	4			26	2	1			32	2	2			25	2	1												
13	91	1	3			57	4	2			28	3	3			27	2	2			32	2	1			25	2	1												
14	91	2	3			58	4	4			28	3	4			27	3	2			34	2	3			25	3	1												
15	90	6	3			58	4	3			29	4	3			28	5	3			36	4	2			26	2	1												
16	95	5	3			62	7	2			30	7	2			35	6	5			39	5	2			27	2	2												
17	97	5	4			63	8	3			42	11	5			43	8	3			42	4	2			27	2	1												
18	101	4	6			65	8	4			47	13	6			48	6	6			44	4	3			27	1	2												
19	102	6	5			67	10	4			50	10	6			49	9	6			44	4	4			26	2	1												
20	103	7	5			71	8	8			50	11	4			50	8	6			45	4	5			23	1	1												
21	104	7	6			73	10	6			51	11	4			50	7	5			43	5	4			22	0	1												
22	104	7	4			74	11	6			52	12	5			50	9	5			42	4	3			22	0	1												
23	105	6	6			74	14	4			53	13	6			51	9	4			41	5	2			22	0	1												

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

USCOMM-NBS-BL

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Front Royal, Virginia Lat. 38.8 N Long. 78.2 W Month February 1960

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	102					79					54					54					41					23													
01	103					76					56					55					41					23													
02	103					77					56					55					41					23													
03	104					75					58					53					40					23													
04	102					74					56					53					39					24													
05	99					70					52					51					37					24													
06	98					64					51					49					37					24													
07	94					59					42					45					38					24													
08	89					56					33					35					37					26													
09	88					56					29					31					35					27													
10	88					56					28					29					33					27													
11	87					56					27					27					32					27													
12	89					56					27					27					32					27													
13	90					56					27					28					32					27													
14	91					56					27					29					35					28													
15	91					57					28					29					38					28													
16	92					57					30					37					42					29													
17	94					57					43					49					44					29													
18	99					61					52					55					46					29													
19	104					67					57					55					46					28													
20	106					75					58					57					46					25													
21	103					75					56					54					45					24													
22	102					77					55					55					44					23													
23	104					79					58					56					43					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

USCOMM-NBS-DL

MONTH-HOUR VALUES OF RADIO NOISE

Station Kekaha(Kauai), T. H. Lat. 22.0 N Long. 159.7 W Month December 19 59

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	154	3	2	10.5	16.5	127	4	4	11.5	17.5	98	6	6	10.5	16.0	75	15	3	8.0	11.5	55	6	4	3.5	7.0	57	4	9	4.5	8.5	41	2	6	2.5	5.0	24	0	2	1.5	3.5
01	154	2	3	10.0	16.0	129	2	4	11.0	17.0	100	5	5	11.0	17.0	77	8	4	9.0	14.5	55	6	2	3.5	7.0	57	3	7	*2.0	*5.0	41	4	4	2.5	5.0	24	1	2	1.0	2.5
02	154	2	4	10.0	15.5	129	4	4	11.5	18.0	102	5	5	10.5	17.5	79	8	6	9.0	15.0	55	6	2	3.5	7.5	57	4	6	*4.5	*8.0	41	4	4	2.5	5.0	24	1	2	1.5	3.0
03	152	4	1	10.0	16.0	131	2	4	11.5	18.0	102	4	4	11.0	17.5	77	6	4	8.0	14.0	55	6	2	4.0	7.0	57	5	11	*7.0	*8.0	39	6	4	2.0	4.5	24	1	2	1.5	3.0
04	154	3	2	10.0	16.0	131	3	4	11.0	18.0	102	6	4	11.5	18.5	75	12	4	9.5	13.0	55	5	4	3.5	7.5	49	7	7	*4.0	*8.0	39	4	4	2.5	5.0	24	1	2	1.0	2.5
05	154	3	2	9.5	15.5	131	4	4	11.0	18.0	102	4	4	11.0	18.0	75	12	4	10.0	16.0	55	5	3	4.5	9.0	49	2	6	2.5	6.0	37	5	2	2.5	4.5	24	0	2	1.5	3.0
06	156	2	4	10.0	16.0	131	2	4	11.5	18.5	102	5	8	10.5	17.0	73	9	7	6.0	11.5	55	6	6	4.0	8.0	47	4	5	3.0	7.0	37	4	4	2.0	4.5	24	1	2	1.0	3.0
07	156	2	3	10.5	17.0	123	4	4	10.5	18.0	86	7	11	11.0	18.0	67	8	13	5.5	11.0	53	4	8	4.5	8.5	49	2	3	5.0	8.0	34	5	1	2.5	5.0	24	2	2	2.0	3.0
08	152	2	4	11.0	17.5	115	4	3	11.0	17.0	74	17	8	7.0	12.0	61	14	12	*6.0	*11.0	48	5	12	4.0	10.0	42	3	7	*4.5	*8.0	39	4	4	4.0	7.0	22	4	2	*3.5	*5.5
09	148	4	2	12.0	17.5	105	10	5	12.0	17.0	68	30	10	*12.0	*18.5	57	10	8	*6.5	*12.0	41	8	8	3.0	7.0	32	9	7	3.5	7.0	35	6	8	*5.0	*9.0	22	2	2	2.5	5.0
10	150	2	2	11.5	17.5	105	8	7	12.0	17.5	66	30	8	*13.0	*16.5	56	21	4	*11.5	*19.5	33	16	6	3.5	5.5	27	12	2	*3.0	*7.0	28	7	5	*6.0	*9.0	22	2	4	3.0	5.0
11	150	2	2	12.0	18.0	106	10	6	13.5	18.5	70	28	10	*12.0	*19.5	53	22	8	*11.0	*17.0	31	13	3	2.5	4.5	29	9	7	*4.5	*7.5	23	11	3	*8.0	*11.5	20	2	2	*3.0	*5.0
12	150	4	4	12.0	19.0	107	6	4	13.5	18.5	67	19	9	*11.0	*21.0	52	16	5	*5.5	*7.5	31	17	4	3.0	5.0	27	10	2	*3.0	*4.5	25	8	9	*6.5	*12.0	20	2	2	*3.0	*5.0
13	150	2	4	13.0	20.0	107	10	6	12.0	16.5	68	20	8	*12.0	*19.5	53	9	5	*13.0	*19.0	31	7	4	2.5	5.0	27	6	4	*4.0	*6.5	25	5	7	*5.0	*8.0	20	2	2	2.5	4.5
14	148	6	2	14.0	21.0	109	5	8	12.5	18.0	70	16	10	12.5	22.5	55	17	7	*7.0	*14.0	32	4	6	4.0	6.5	28	6	3	*3.0	*12.5	23	12	6	*7.5	*12.0	22	0	2	2.5	4.5
15	148	4	3	13.5	20.0	105	9	3	14.0	19.0	66	20	10	*8.0	*15.0	55	11	10	*7.0	*14.0	31	5	5	2.0	4.0	29	8	4	*7.0	*10.5	27	8	3	*5.5	*8.5	24	0	4	*3.0	*5.0
16	148	3	3	13.5	20.5	103	7	6	9.5	14.0	66	18	8	*11.0	*17.0	53	20	8	5.0	11.0	33	9	6	3.0	5.0	31	6	4	*4.0	*5.5	35	2	8	*4.0	*7.0	24	4	4	*3.0	*5.0
17	148	3	3	13.0	19.5	101	12	4	11.0	14.5	72	18	9	8.0	13.0	57	14	10	*6.0	*12.0	35	12	6	*2.5	*5.0	35	13	4			38	6	7	5.0	7.0	24	3	3	2.5	5.0
18	148	3	4	11.5	17.0	105	12	4	9.0	15.0	78	15	8	6.5	12.0	65	8	10	*6.0	*11.0	41	12	8	3.5	6.0	43	10	7	*7.0	*6.5	39	4	4	5.0	8.0	24	2	2	2.0	4.0
19	150	2	4	11.0	17.0	107	14	3	12.0	17.0	84	14	10	*9.0	*14.0	71	9	11	5.0	9.5	57	8	14	4.5	7.5	51	4	8	*4.0	*7.0	34	4	6	3.5	5.5	24	3	2	2.0	4.0
20	152	2	4	9.0	15.0	115	7	6	14.0	20.0	88	13	8	13.5	17.0	73	7	7	6.0	10.0	50	7	9	5.0	8.5	51	11	6	*4.0	*8.0	39	4	2	3.0	6.0	24	2	2	2.0	4.0
21	152	4	2	9.0	15.0	119	5	6	14.5	20.0	90	12	7	14.0	21.0	75	8	8	11.0	16.5	51	8	8	*4.5	*7.5	53	8	3	*5.5	*9.5	43	1	5	2.0	4.5	24	4	2	2.0	4.0
22	152	6	0	10.0	15.0	123	4	4	12.5	18.5	94	8	6	12.0	17.5	73	10	3	6.5	12.5	54	5	5	*4.0	*7.0	55	6	6	*5.0	*9.0	43	4	4	2.5	5.0	24	2	2	1.5	3.5
23	154	4	2	11.0	16.0	125	4	3	12.0	19.0	96	9	6	11.0	16.0	75	10	4	6.0	10.0	55	4	5	4.0	7.0	53	6	5	*4.0	*7.0	45	3	4	3.0	5.0	24	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

USCOMM-NBS-DL

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495				
	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}
00	154	4	3	10.5	17.5	127	7	7	11.5	18.0	104	8	10	10.0	16.5	85	10	16	+16.1	+24.0
01	154	5	3	10.0	17.0	127	7	5	10.5	17.5	104	10	8	11.0	17.5	83	12	12	13.0	21.5
02	154	4	4	10.0	17.0	129	4	6	11.5	19.0	106	7	8	12.0	20.5	83	11	9	12.5	22.0
03	154	3	2	11.0	17.5	129	5	5	11.5	19.0	104	11	6	12.0	20.0	83	14	9	12.0	22.0
04	154	4	4	11.0	18.0	129	8	4	12.0	20.0	104	13	6	12.0	21.0	81	16	6	11.0	20.0
05	154	4	2	11.0	18.0	129	7	4	11.5	19.0	104	11	7	11.0	19.0	79	16	6	+10.0	+18.0
06	154	4	2	11.0	17.5	130	6	7	12.0	20.0	102	13	9	11.0	20.0	75	18	12	11.0	20.0
07	154	4	2	11.0	18.0	125	6	6	12.5	20.0	88	16	6	13.0	21.5	59	18	8	+6.0	+10.0
08	150	4	3	12.0	18.5	119	6	6	12.0	19.0	76	16	8	11.5	16.0	55	18	8	+5.0	+8.0
09	148	5	3	12.0	18.0	111	12	9	12.5	14.0	76	22	12	11.0	20.0	53	21	8	4.0	7.0
10	148	5	3	12.0	19.0	107	13	7	12.0	15.5	82	18	18	+13.0	+23.5	57	19	7	7.5	10.5
11	148	6	2	13.0	19.5	111	12	8	13.5	19.5	80	16	15	13.5	23.0	51	28	6	+4.0	+6.0
12	148	5	3	13.5	20.0	109	12	7	14.0	19.5	76	18	10	13.0	18.5	50	15	5	+5.0	+7.0
13	148	4	3	14.0	20.5	109	14	6	+15.0	+21.5	78	14	12	+5.5	+7.5	50	16	5	+3.0	+4.5
14	148	4	2	15.0	22.0	111	12	8	14.5	21.5	74	24	12	+4.0	+7.0	51	18	6	+3.5	+5.5
15	148	6	3	15.0	21.0	111	10	10	14.0	19.0	77	17	14	+16.0	+22.0	51	12	6	+3.0	+5.0
16	148	2	6	14.0	20.0	109	6	10	12.0	18.0	76	14	10	+13.0	+18.0	53	13	8	+5.0	+7.0
17	148	2	7	13.0	20.0	105	15	9	11.0	13.0	82	13	14	+11.0	+19.5	59	14	10	+5.5	+7.5
18	146	4	2	12.0	18.5	113	15	14	+11.0	+18.0	86	17	14	+12.0	+17.5	67	19	13	+4.0	+8.0
19	148	6	4	11.5	18.0	117	12	10	14.0	20.0	96	9	18	14.5	24.5	73	12	12	+7.0	+10.0
20	150	4	4	11.0	17.0	119	8	9	14.0	20.5	96	11	15	+14.0	22.0	75	11	11	11.0	16.0
21	152	4	4	10.5	17.5	121	6	7	12.0	18.0	96	13	7	14.0	23.0	77	12	9	12.5	21.0
22	154	5	4	11.0	17.5	125	6	6	11.5	18.0	100	10	8	12.5	20.5	81	11	9	+16.0	+24.5
23	154	5	2	11.0	18.5	127	6	5	9.5	17.0	100	13	7	13.0	19.5	83	10	14	13.0	20.5

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	57	8	8	8.0	14.0	55	9	5	6.0	10.5	40	5	4	4.0	6.0	22	2	0	2.0	3.0
01	57	7	7	7.5	14.5	58	6	4	6.0	10.5	40	5	2	4.5	7.5	24	0	2	1.5	3.0
02	57	8	6	8.0	15.0	60	5	6	+6.0	+10.0	38	6	2	4.0	6.5	24	1	2	1.0	3.0
03	57	8	7	9.0	15.0	56	8	6	+5.0	+9.0	36	6	4	3.0	5.5	22	2	0	1.5	3.0
04	57	9	8	6.5	13.0	50	13	6	6.0	9.5	34	4	2	3.0	5.0	22	3	0	1.0	2.5
05	57	11	7	7.0	13.0	48	5	6	6.0	10.0	34	4	4	3.0	5.0	24	2	2	1.0	2.5
06	57	10	8	9.0	15.0	48	6	6	6.0	10.0	32	7	2	3.0	4.5	24	2	2	2.0	3.0
07	55	8	8	9.5	14.5	50	6	2	7.0	11.0	38	7	3	4.0	7.0	24	4	2	2.0	3.0
08	40	9	4	5.0	8.0	42	4	4	+5.0	+9.0	40	4	4	7.0	11.0	26	5	4	4.5	7.5
09	37	8	6	2.5	4.5	26	8	8	5.0	8.0	36	3	5	5.0	8.0	24	6	2	6.0	9.5
10	31	4	2	3.0	4.5	28	6	4	+3.0	+5.5	30	7	4	7.0	10.5	22	6	2	6.5	10.0
11	31	5	4	3.5	5.0	26	6	4	+5.0	+8.0	26	6	6	+8.5	+12.0	22	6	2	5.5	8.0
12	29	4	2	3.0	4.5	23	5	3	+4.5	+8.0	24	6	6	+8.0	+12.5	22	6	2	+4.5	+7.5
13	29	8	2	3.5	5.0	26	2	6	+4.5	+7.0	23	7	6	+6.0	+10.0	24	6	4	5.0	8.0
14	29	6	2	4.0	5.0	26	4	4			24	8	6	+8.0	+12.0	24	4	4	4.0	8.0
15	28	5	3	3.0	4.5	27	5	5	+4.0	+6.0	30	6	6	7.5	15.5	28	4	4	5.0	7.5
16	29	4	2	2.5	4.0	30	8	6	+4.5	+8.0	34	6	4	+6.5	+10.0	26	6	2	6.0	9.0
17	33	10	4	3.5	5.5	38	10	8	+4.5	+8.5	40	6	6	6.0	9.0	27	8	4	5.0	7.5
18	42	9	10	6.0	9.5	48	8	8	6.5	12.0	42	6	4	6.0	9.0	24	4	2	4.0	6.0
19	51	10	12	8.0	12.5	52	10	8	+7.0	+12.0	44	5	6	6.0	10.0	24	3	2	2.0	4.0
20	55	9	10	8.5	14.0	56	8	6	+4.5	+8.0	42	4	4	5.0	8.0	24	4	2	2.0	4.0
21	55	10	10	10.0	14.5	56	4	6	4.5	8.0	40	6	3	4.0	7.0	24	6	2	2.0	4.0
22	55	9	9	9.0	15.0	56	6	4	5.0	10.0	42	2	4	5.0	8.0	24	2	2	2.0	4.0
23	57	10	8	8.0	14.0	56	6	5	6.0	10.0	40	4	2	4.5	7.0	22	2	0	1.5	3.0

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Kekaha (Kauai), T.H. Lat. 22.0 N Long. 159.7 W Month February 1960

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	152	4	5	10.5	17.0	125	6	4	11.0	17.0	100	6	8	9.5	15.0	79	10	8	10.5	16.0	53	9	4	6.5	12.5	61	5	4	*6.0	*10.5	44	4	4	3.0	5.5	23	2	0	1.5	3.0
01	152	3	4	11.0	16.5	127	4	5	10.5	17.0	102	5	8	11.0	21.0	81	8	12	12.0	20.0	55	10	6	8.5	13.0	59	4	3	6.0	10.5	42	4	4	3.5	6.0	23	2	0	2.0	4.0
02	152	2	2	10.5	17.0	127	4	4	12.0	18.5	102	5	9	12.0	21.0	79	8	9	10.5	13.5	53	13	4	6.0	11.5	59	7	4	*6.0	*10.5	42	3	7	3.5	6.0	23	1	0	1.5	3.0
03	152	3	2	11.0	17.5	129	2	4	12.0	19.0	101	7	6	10.5	19.5	77	14	8	*11.0	*21.0	53	14	4	5.0	11.5	59	11	8	*7.5	*12.5	38	6	4	3.0	5.0	23	2	0	1.5	3.0
04	152	2	2	10.5	16.5	127	4	3	11.5	19.0	100	7	6	11.0	19.0	77	13	8	11.0	21.0	53	9	4	7.5	13.0	53	7	6	6.0	12.0	36	6	2	3.0	5.0	23	2	0	1.0	2.5
05	154	1	4	11.0	17.0	129	2	6	11.5	19.0	100	7	6	13.0	21.0	77	6	8	*12.5	*18.5	53	12	4	8.0	13.0	44	5	4	6.0	10.0	36	6	4	3.0	5.0	23	2	0	2.0	3.5
06	154	2	4	10.5	17.0	127	2	4	10.5	17.0	96	6	8	10.5	17.5	67	14	6	*11.5	*15.0	51	12	3	9.0	14.0	47	6	3	5.0	8.0	34	4	2	3.0	5.0	23	2	0	1.5	3.0
07	154	2	2	11.0	15.0	119	5	4	10.5	17.0	82	13	8	13.0	18.0	55	12	3	4.5	6.0	47	7	2	7.5	12.0	51	3	4	5.0	8.0	46	4	3	4.0	6.5	23	4	0	2.5	4.0
08	150	4	2	11.0	15.0	115	7	5	12.0	18.5	72	21	8	9.5	13.0	51	12	4	*2.5	*4.0	39	4	3	6.0	10.0	39	6	4	*7.0	*12.0	35	4	2	4.5	7.0	23	4	2	4.0	6.0
09	148	4	2	11.5	17.5	105	16	8	12.0	17.0	70	24	10	*11.5	*17.5	49	10	5	5.0	5.0	37	7	6	3.0	5.0	23	11	4	6.5	9.0	32	8	3	4.5	8.0	25	2	4	4.0	6.0
10	146	4	6	11.5	17.0	103	18	6	12.5	19.0	71	25	11	*8.5	*16.0	55	8	4	*7.0	*11.0	31	5	4	4.0	6.0	25	10	4	*7.0	*10.0	26	8	6	*7.0	*10.0	21	4	4	3.5	5.0
11	146	4	2	11.5	17.5	105	17	6	14.5	21.5	68	21	7	*9.0	*12.0	49	15	5	*3.0	*5.0	33	4	6	3.0	4.5	26	6	5	4.5	7.0	23	7	5	7.0	10.5	19	6	4	*4.0	*5.5
12	146	2	2	12.0	18.0	105	16	6	13.5	20.5	68	22	6	*9.0	*12.5	49	18	2	*2.0	*4.0	31	4	4	2.5	4.0	23	6	2	*4.0	*6.0	20	10	4	*8.0	*11.5	19	5	2	*3.5	*5.0
13	146	6	2	13.5	20.0	105	16	6	15.0	20.0	66	28	8	*9.0	*11.5	49	16	4	*3.0	*4.5	31	6	4	2.5	4.5	25	2	5	*9.5	*13.0	22	11	6	*9.0	*13.0	21	2	4	3.0	5.0
14	146	6	2	14.5	20.0	104	19	7	*13.0	*19.0	64	32	4	7.5	9.5	49	22	6	*4.5	*6.5	31	6	5	3.0	5.0	25	8	4			22	11	4	*6.0	*9.5	22	5	3	4.0	6.0
15	145	5	3	11.0	21.5	105	14	11	14.0	19.0	65	31	7	9.0	12.0	49	24	4	2.5	4.5	32	5	6	3.0	5.0	25	6	4	*3.5	*6.0	22	11	2	*7.0	*13.0	25	2	4	4.5	7.0
16	144	4	2	14.0	21.0	103	12	6	12.5	17.5	63	24	5	*5.0	*7.0	49	21	2	*2.5	*4.0	31	5	4	2.5	4.5	26	5	5	*7.5	*11.5	30	11	4	6.5	9.5	25	6	4	*3.0	*5.0
17	146	3	4	15.0	22.5	101	15	6	11.0	15.5	64	25	4	*6.0	*9.0	51	8	3	3.0	5.0	31	6	2	3.0	5.0	29	16	4	*5.0	*12.0	38	6	3	4.5	7.0	25	4	4	3.0	6.5
18	144	3	3	14.0	21.0	99	18	4	8.0	12.0	72	19	7	*6.0	*10.0	55	14	4	*3.0	*5.0	35	12	4	3.0	5.0	41	11	4	*6.0	*11.0	41	6	2	5.0	7.0	24	6	3	4.0	6.0
19	146	2	4	12.0	19.5	107	12	6	12.0	17.0	82	16	6	10.0	16.5	67	13	9	*7.0	*11.0	41	18	4	7.0	13.0	42	13	6	*6.0	*11.0	42	8	4	5.0	8.0	23	3	0	2.5	4.5
20	145	4	4	10.5	16.5	113	11	5	13.5	20.0	85	14	12	11.0	19.0	69	21	5	8.0	11.0	45	14	2	*7.5	*11.0	55	4	9	*4.0	*7.0	42	5	2	4.0	7.5	25	2	2	3.0	5.0
21	150	4	4	9.0	15.0	115	12	9	13.0	20.0	90	12	9	13.0	21.5	73	14	8	10.5	15.5	49	16	4	10.5	14.5	59	6	4	7.5	13.0	44	4	3	4.0	6.0	25	2	2	3.5	5.5
22	152	2	4	10.0	17.0	119	7	7	12.0	19.0	94	11	8	13.0	21.5	75	16	9	11.0	16.0	51	12	5	9.0	14.5	59	5	4	6.0	9.5	46	2	5	3.0	5.0	25	2	2	2.5	5.0
23	152	3	4	9.0	15.0	123	6	6	10.5	17.0	96	9	6	11.0	19.0	77	14	8	*13.0	*20.0	51	12	4	5.0	10.0	59	4	3	*7.0	*6.5	44	6	3	3.0	6.0	23	3	0	2.5	4.0

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

USCOMM-NBS-DL

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station New Delhi, India Lat. 28.8 N Long. 77.3 E Month February 19 60

Hour (LST)	Frequency (Mc) .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}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	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	145	2	2			121	4	2			96	9	4			73	8	4																						
01	145	2	2			121	4	2			96	4	4			73	4	4																						
02	145	2	2			121	5	2			97	3	7			73	4	4																						
03	145	2	2			121	4	4			96	4	6			71	6	4																						
04	145	2	2			121	4	4			94	4	2			69	10	4																						
05	145	2	2			121	2	4			92	4	2			67	4	4																						
06	145	2	2			117	2	6			86	6	6			65	4	2																						
07	142	3	3			109	6	4			80	6	6			63	4	4																						
08	139	4	2			102	5	5			80	4	7			63	2	4																						
09	139	4	4			103	4	7			78	7	5			61	4	4																						
10	139	4	2			103	8	2			80	6	9			61	4	4																						
11	140	3	3			105	6	6			78	6	5			61	2	4																						
12	139	4	2			107	4	4			78	7	3			61	2	4																						
13	139	3	2			107	4	4			81	8	6			61	2	4																						
14	141	2	4			107	7	4			80	5	6			63	3	6																						
15	141	2	2			108	4	11			81	6	11			61	5	4																						
16	142	2	3			105	10	10			82	11	6			61	8	2																						
17	143	2	4			103	10	6			84	10	4			65	10	4																						
18	143	2	2			111	7	6			92	6	6			69	8	4																						
19	145	2	2			115	4	6			94	8	6			71	8	4																						
20	145	4	2			115	4	2			94	10	4			75	10	6																						
21	145	4	2			121	2	6			94	6	4			73	10	4																						
22	145	4	2			121	4	2			96	4	4			73	6	4																						
23	145	2	2			123	4	4			94	9	2			73	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

USCOMM-NBS-DL

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Ohira, Japan Lat. 35.6 N Long. 140.5 E Month December 19 59

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	Fom	Du	Dℓ	Vdm	Ldm
00	150	2	2	8.0	12.5	123	6	2	*9.5	*15.5	104	5-	5-	7.5	12.5	81	5-	6	7.5	13.0	51	5	7	7.5	11.0	51	4	4	3.0	6.0	46	13	10	+3.0	+3.5	24	8	1	2.0	3.5
01	150	4	2	7.0	11.5	125	4	4	8.5	15.5	104	6	4	*8.5	*15.0	81	4	5-	*6.5	*11.0	48	12	4	5.0	9.0	49	6	2	4.5	8.5	50	9	12	+4.0	+7.0	24	8	4	+2.0	+3.0
02	150	4	2	8.0	13.0	125	4	4	9.5	15.0	104	3	6	*10.0	*11.5	81	5-	6	*9.5	*15.0	48	8	5-	6.0	7.0	51	3	4	4.5	8.0	48	8	8	+6.0	+8.0	24	8	3	1.5	3.0
03	150	4	2	8.5	13.5	127	3	6	8.0	13.5	104	3	7	*10.0	*17.0	79	5-	6	*9.0	*15.0	47	9	5-	5.0	9.0	51	2	4	4.5	8.0	40	13	8	*3.5	+6.0	24	8	3	1.0	3.0
04	150	4	2	8.0	12.5	125	5-	5-	10.5	18.5	102	8	7	*11.5	*19.0	77	7	5-	*8.5	*15.0	49	10	7	6.5	10.0	49	7	4	4.0	9.5	36	6	6	2.5	5.0	24	6	3	+1.5	*3.0
05	150	4	2	9.0	13.5	123	6	4	*11.5	*20.0	97	10	7	+12.0	+21.0	75	9	6	*4.0	*9.0	44	16	2	5.5	9.0	69	8	8			35	9	5	*3.0	*5.0	24	1	2	+1.0	+3.0
06	150	2	2	9.0	14.0	115	6	4	*13.5	*20.5	86	10	8	*12.5	*20.0	71	9	4	*6.0	*11.5	44	8	4	4.5	7.5	67	4	11	10.5	16.0	38	4	4	*3.5	*5.5	24	2	0	+2.5	*4.5
07	148	2	5-	9.5	14.5	109	10	6	*9.0	*14.5	76	20	10	*9.0	*15.5	67	7	3	*4.0	*7.5	38	7	2	6.0	10.0	50	11	10			38	3	4	*3.0	*5.5	24	5	0	+1.5	*3.5
08	148	2	4	9.5	16.0	107	11	8	*14.0	*23.5	78	18	9	*15.0	*24.5	67	7	4	*1.5	*3.5	32	7	2	4.5	5.0	37	6	6	4.5	6.5	36	8	2	*8.0	+11.5	24	4	2	+2.0	+4.0
09	148	3	8	13.0	19.0	109	6	6	*10.0	*16.0	78	14	10	*8.5	*12.0	*71			*6.0	*10.0	32	4	2	7.0	10.0	33	3	4	6.0	9.0	+38			*3.5	*6.5	*26			*2.0	*4.0
10	148	2	8	13.0	20.0	110	8	6	*14.5	*23.0	83	11	15			69	9	4	*5.5	*9.5	*32			4.0	6.0	31	8	4	12.5	15.5	35-	8	5-			24	5-	0	+1.5	*4.0
11	150	2	7	12.0	19.0	113	6	11	*8.5	*14.5	80	17	13			69	12	6	*5.0	*8.5	32	5-	4	4.0	7.0	29	9	2	6.5	10.0	34	7	6	*6.0	*9.0	26	7	4	*2.0	*4.0
12	148	4	8	10.5	17.0	111	8	9	9.5	16.0	74	20	8	*4.0	*6.5	71	6	6	*3.0	*6.5	32	3	4	11.0	14.5	29	6	4	3.0	5.5	30	10	4	*7.0	*1.0	26	2	4	*1.5	*3.0
13	150	2	8	*9.0	*14.5	112	7	11	9.5	15.5	72	20	8	*9.0	*15.5	69	4	4	*1.0	*1.0	32	4	4	5.5	8.5	30	7	4	5.0	7.5	33	6	4	*9.5	*14.0	24	4	0	+2.0	*4.0
14	150	2	8	8.0	12.5	109	8	10	7.0	12.0	72	22	8	*8.0	*14.0	71	2	4	*4.0	*9.0	32	6	2	6.0	8.0	33	8	4	1.0	1.5	38	6	6	*4.0	*6.5	26	4	2	*1.5	*3.0
15	150	2	6	7.5	12.5	107	8	12	7.5	12.0	70	24	5-	*8.5	*19.0	73	8	10	*3.5	*8.0	32	5-	3	6.5	9.0	48	10	13	5.5	7.0	44	4	4	*1.0	+5.0	28	3	3	*2.0	*4.5
16	150	2	6	7.5	12.5	106	13	11	*11.0	*18.5	78	24	7	*12.5	*23.0	71	8	6	*9.0	*19.5	38	10	4	6.0	9.0	64	8	10			46	4	6	*5.0	*8.0	28	11	2	*2.0	*4.0
17	149	5-	5-	6.5	10.5	111	10	6	*9.0	*19.0	88	17	8	*10.5	*18.5	81	6	4	*5.5	*12.5	46	10	6	3.5	4.5	69	8	8	7.5	14.5	48	16	2	*4.0	*9.0	28	6	2	*1.5	*3.5
18	150	3	3	7.5	13.0	119	2	6	*9.5	*16.0	94	11	8	*9.5	*12.0	83	6	4	*5.5	*9.5	44	11	2	4.5	7.0	65	10	8			52	7	8	*4.0	*7.5	26	9	2	*3.0	*4.5
19	150	4	4	9.0	15.0	121	3	2	8.5	13.5	98	7	6	*8.5	*13.5	87	5	8	*2.5	*5.5	46	9	4	3.5	7.0	70	5-	7	7.0	13.0	50	9	8	*4.0	*8.5	26	6	2	*2.0	*4.0
20	150	2	2	10.5	16.5	121	5-	2	*8.0	*13.0	98	10	6	7.5	14.5	87	7	6			49	9	5-	4.5	9.0	68	9	9	9.5	14.0	47	9	8	*7.5	*3.5	24	6	2	*1.5	*3.0
21	150	2	2	9.0	13.5	123	4	4	9.0	15.5	100	8	6	*8.5	*13.5	89	8	6	*5.0	*10.0	48	10	4	4.0	8.0	70	8	5-			50	10	12	*3.5	*7.0	24	7	2	1.5	3.0
22	150	2	2	9.5	15.0	123	5-	3	8.0	15.0	102	7	5-	9.0	17.0	90	5-	5-	*7.0	*16.5	50	10	16	5.0	9.5	75	6	10	6.5	13.0	48	10	12	*3.5	*7.0	24	5-	2	*1.0	*3.0
23	150	2	2	8.5	13.5	123	5-	2	11.5	19.5	104	5-	6	*9.0	*13.5	89	9	6	*4.5	*9.5	52	10	6	6.5	9.5	55	21	6			46	11	7	*3.5	*7.0	24	8	1	*1.0	*3.0

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

USCOMM-NBS-DL

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Ohira, Japan Lat. 35.6 N Long. 140.5 E Month January 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	150	4	4	9.0	14.0	124	6	4	*10.0	*16.0	100	10	6	*8.0	*13.5	83	6	10	5.5	11.0	52	9	8	6.0	10.0	54	4	4	3.5	7.5	46	8	8	3.0	8.5	24	2	2	*1.0	*2.5
01	150	4	2	9.0	14.0	124	8	4	*10.0	*16.5	100	10	8	*10.0	*16.5	81	6	10	3.0	7.0	50	11	2	4.0	7.0	54	6	6	5.5	10.0	46	10	8	3.0	6.0	24	2	2	*1.0	*2.5
02	150	4	2	8.5	13.5	124	8	4	*10.5	*17.0	100	10	6	*8.5	*14.0	79	12	8	6.0	11.0	51	11	5	7.0	12.0	52	6	4	4.5	7.5	40	10	8	2.5	5.0	24	6	2	*1.0	*2.5
03	150	2	2	8.5	13.0	124	6	4	*14.0	*21.0	98	12	4	*9.5	*16.5	79	8	14	4.0	11.0	51	10	5	6.5	10.5	52	4	4	4.0	7.0	36	12	4	2.5	4.0	24	2	4	*0.5	*2.0
04	150	4	2	*10.5	*16.0	124	10	4	*6.5	*13.5	98	12	4	*11.0	*19.0	75	13	10	3.0	8.0	51	11	9	8.0	15.0	52	4	8	6.5	11.5	34	10	4	1.0	2.0	24	2	2	*1.5	*3.0
05	150	4	4	*8.5	*14.0	124	6	6	*12.0	*19.0	96	10	4	*12.0	*19.5	76	8	9	12.0	20.0	50	12	10			68	5	10	6.0	12.5	34	12	4	2.5	4.0	26	2	2	*1.0	*2.5
06	150	2	4	*10.0	*14.5	116	8	6	*12.5	*20.0	86	12	4	*6.0	*8.0	77	6	6	7.0	14.0	44	16	4	4.0	7.0	66	4	9			37	9	5	5.0	7.5	26	2	2	*2.5	*4.5
07	148	0	4	*7.5	*13.0	111	12	8	*8.5	*13.0	77	19	7	*6.0	*12.0	67	4	4	5.0	8.5	42	12	6	5.0	9.5	53	7	11			40	8	6			26	2	4	*2.5	*4.0
08	146	4	4	*12.0	*19.0	104	18	8	*13.5	*17.0	76	18	6	*5.5	*10.5	69	6	6	5.5	11.0	34	8	4	4.5	7.0	40	8	8	5.0	8.5	42	4	6	3.5	5.5	26	4	2	*2.0	*3.5
09	144	4	3			*106			*8.0	*13.0	*72			*5.0	*9.5	*70					34	5	5			*36			6.5	9.0	*37					*28			*2.5	*4.5
10	*142			*13.5	*19.0	105	22	9			79	23	12	*8.5	*6.5	70	6	5	5.0	8.5	*34					34	9	2	6.0	9.0	34	9	2			26	4	4	*3.5	*6.0
11	144	7	4	*13.0	*19.0	108	22	11	*14.0	*20.0	85	17	20	*3.0	*6.5	69	9	6	3.5	6.5	34	6	6	4.5	6.5	36	13	6	6.0	8.0	36	9	8			26	6	4	*2.5	*4.5
12	144	10	3	*12.5	*18.0	106	23	10	*15.5	*20.0	80	25	12	*3.0	*6.5	71	9	4			32	8	4			34	8	4			33	10	7	6.5	10.0	26	4	4	*2.5	*4.0
13	146	8	4	*12.0	*18.5	106	19	7			78	24	14	*5.5	*7.0	69	8	6	4.0	7.5	32	4	2			34	8	4			34	7	6			26	4	4	*2.0	*3.5
14	146	9	2	*10.5	*16.5	106	19	7	*16.0	*21.5	79	17	16	*3.0	*6.5	69	6	3	5.5	8.5	32	4	4	5.5	8.5	34	12	4	6.0	9.0	37	9	5	6.0	9.5	26	4	2	*3.0	*5.0
15	148	5	4	*10.5	*17.0	103	13	6	*6.5	*11.5	78	22	14	*3.0	*4.5	69	12	4	2.5	4.0	34	4	6	5.5	8.0	46	6	12	5.0	7.5	42	6	4	3.5	6.5	28	4	4	*2.5	*4.5
16	148	4	2	*8.5	*15.0	105	18	9			80	22	14	*8.5	*11.0	69	14	2	5.5	11.0	40	9	10	8.5	12.0	61	7	9	1.0	1.5	44	5	2	4.0	7.0	28	4	4	*2.0	*4.0
17	146	10	2	*16.5	*17.0	113	16	15	*9.0	*14.5	86	23	8	*6.5	*11.5	81	12	8	4.5	9.0	54	10	6	7.0	12.0	72	6	10			46	8	4	3.0	7.0	28	2	2	*2.0	*3.5
18	148	9	6	*9.0	*6.5	120	12	8	10.0	14.0	94	16	6	*8.5	*14.0	83	12	4	5.0	10.0	48	18	6	5.0	9.5	70	5	6			48	6	4	3.5	7.0	27	3	3	1.5	3.5
19	150	4	2	*9.0	*15.5	123	9	3	*9.0	*15.5	96	14	8	7.5	13.0	89	10	10	5.0	9.0	48	18	2	4.0	8.0	71	7	6	8.0	14.0	46	9	4	4.0	6.5	26	2	4	2.5	4.5
20	150	6	2	10.0	17.0	124	8	4	*10.0	*17.0	98	16	6	*9.5	*17.0	90	9	7			52	16	6	2.5	4.5	72	6	8			46	6	6	5.0	7.5	24	4	2	*1.5	*3.0
21	152	6	8	*9.0	*14.5	124	10	4	*8.5	*15.5	98	18	6	*8.5	*15.0	95	8	8	6.0	13.5	50	14	6	7.0	11.0	74	4	9			46	12	6	2.5	5.5	24	2	2	*2.0	*3.5
22	152	4	4	9.0	14.0	126	8	6	*9.5	*17.0	100	14	8	*7.5	*14.0	93	5	7			52	12	6	6.0	9.0	72	6	8	7.5	14.0	48	15	8	4.0	7.0	24	2	2	*2.5	*4.5
23	150	4	4	8.5	14.0	124	8	6	*10.5	*17.5	102	10	8	*11.5	*18.0	93	8	10			52	8	5	4.0	8.0	58	9	6	3.5	6.0	47	5	9	4.5	8.5	24	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

USCOMM-NBS-DL

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013					.051					.160					.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_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	152	3	2	8.5	13.0	126	6	6	13.5	21.0	102	10	6	*11.0	*17.5	80	15	7	8.5	14.0	52	16	8	4.0	8.0	54	7	8	7.0	10.0	47	9	8	2.5	7.0	25	0	2	1.0	2.5
01	152	3	2	8.5	13.0	126	7	5	10.0	17.0	102	9	6	*11.5	*20.5	81	6	8	8.0	14.0	51	19	3	0.5	1.0	55	6	8	4.0	7.0	43	7	5	3.0	7.0	23	2	0	1.0	3.0
02	152	4	3	8.0	13.0	126	8	4	10.0	16.5	102	9	6	9.5	17.0	79	9	6	6.5	10.0	50	16	6	3.5	7.0	53	6	4	6.0	9.5	43	11	8	4.0	7.0	25	0	2	1.0	3.0
03	152	4	3	9.0	14.0	126	7	4	9.0	16.0	98	13	4	*7.5	*13.5	77	12	8	6.0	11.5	50	20	5	4.5	7.5	53	4	4	3.5	6.5	43	9	7	3.0	5.5	25	0	2	1.0	3.0
04	152	3	4	8.5	13.5	124	8	4	*12.5	*20.0	98	12	6	*11.0	*19.5	75	13	4	8.0	13.0	49	15	5	4.0	6.0	51	5	4	2.5	5.5	35	7	3	2.0	3.5	25	2	2	1.0	3.0
05	152	2	3	8.5	14.0	122	8	3	*13.0	*19.5	96	12	8	*12.5	*22.0	75	12	4			49	6	6	3.5	6.5	69	7	8	2.0	5.5	35	8	4	4.0	7.5	25	1	2	1.0	3.0
06	150	4	4	9.0	14.0	117	9	7	14.0	21.0	84	20	8	*13.0	*20.0	75	14	6			48	14	6			61	10	6			41	6	3	2.5	5.0	25	2	2	2.5	4.0
07	146	4	2	8.0	13.5	110	10	6	*11.5	*17.5	76	18	8	*5.5	*18.5	69	9	4	3.0	6.5	40	12	4	4.5	8.0	45	10	8			41	9	5			25	3	2	1.0	3.5
08	146	4	2	10.0	16.0	102	10	6	*4.5	*7.5	76	26	8	*19.5	*26.0	69	10	4	5.0	9.0	34	18	3	1.0	3.0	37	5	7			43	4	9			25	3	2	3.5	6.0
09	148	5	2	11.5	18.0	*104					*98					*75					35	17	4			*34					*39					*23			3.0	4.5
10	*145			*14.5	*21.0	107	7	7	*14.0	*21.0	76	29	8	*10.5	*14.5	71	11	6	9.0	16.0	*34					31	10	6			33	8	6	10.0	13.0	25	5	2	6.5	8.5
11	146	5	2	14.0	22.5	108	9	6			74	18	6	*3.5	*5.5	69	15	6	3.5	6.0	34	20	3	3.0	6.0	31	11	5	7.0	9.0	*30					23	4	2	2.5	5.0
12	146	2	2	*14.0	*22.0	109	14	3	*11.0	*18.5	74	19	6	*3.0	*5.5	71	6	4	5.0	8.5	32	18	2	6.0	9.0	31	7	6	2.5	4.0	31	13	4			23	5	1	4.0	6.5
13	147	5	3	*14.0	*21.0	108	12	2	*11.0	*17.5	74	24	6	*3.0	*5.0	69	8	3	3.5	7.0	34	16	4			31	8	6	3.5	6.0	35	10	7	6.0	8.0	25	5	3	1.5	4.5
14	148	4	2	13.5	20.5	109	10	5	*12.0	*19.0	76	24	7	*5.0	*8.0	71	8	3	4.0	7.5	34	16	4	1.0	3.0	33	11	6	3.5	6.0	38	10	5	4.0	7.0	26	6	3		
15	150	3	4	9.5	16.5	108	13	4	12.5	18.5	75	24	5	*3.0	*5.0	67	11	3	3.5	6.5	34	17	2	1.0	2.5	39	14	8			43	6	4			27	10	2	3.0	5.0
16	150	2	2	10.0	16.0	107	20	9	*11.5	*16.0	78	25	8	*3.5	*5.0	69	13	4	2.5	3.0	40	11	5	2.5	4.0	55	7	11			45	6	2	3.0	5.0	27	5	1		
17	150	3	2	9.5	16.0	109	18	7	11.0	16.0	80	25	6	*8.5	*17.5	80	12	17	8.0	14.0	42	14	2	4.0	6.5	69	6	8			47	4	2	4.5	7.0	27	6	2	4.0	7.0
18	150	4	2	8.0	14.5	118	11	6	11.0	18.0	92	14	4	10.0	17.0	81	9	4	4.5	8.0	46	16	6			70	6	8			49	5	4	3.0	5.5	27	2	2	1.5	4.0
19	152	2	4	9.5	16.0	122	4	4	*10.5	*17.5	96	10	8	*9.5	*19.0	87	7	7	5.0	18.0	48	12	5	5.0	8.0	71	3	10			49	5	5			25	6	2	1.0	3.0
20	152	2	3	8.5	15.0	124	5	4	9.0	14.5	98	11	6	9.0	15.5	89	8	6	2.5	5.0	52	11	7	3.0	5.5	69	4	7			49	5	5	3.5	7.0	25	3	2	1.5	3.0
21	152	2	4	7.5	13.0	124	6	4	8.0	15.0	98	10	6	*12.0	*20.5	89	10	5	12.0	19.0	50	15	4	2.5	5.0	69	7	7			47	7	6	4.0	7.0	25	2	2	2.0	3.0
22	152	2	4	8.0	13.5	124	8	3	10.0	15.5	98	18	4	*9.0	*16.0	91	8	6	4.5	8.0	52	16	7			70	10	5			46	8	5	2.5	6.5	23	2	0	1.0	3.0
23	152	2	4	8.0	14.0	124	8	4	*12.5	*20.0	100	12	6	*11.0	*19.0	89	9	8	6.5	12.0	50	18	6	3.0	6.0	55	17	4	6.0	10.0	47	6	6	4.5	8.5	23	3	1	1.5	3.0

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

USCOMM-NBS-DL

MONTH-HOUR VALUES OF RADIO NOISE

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

Hour (LST)	Frequency (Mc)																																					
	.051					.113					.246					.545																							
	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_{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	*134					*108					*90					81	8	11																					
01	*127					*111					*87					*79																							
02	*132					*109					*89					*75																							
03	*132					*113					89	2	16			79	7	15																					
04	*128					*107					*87					75	8	16																					
05	*127					*103					65	16	1			52	17	7																					
06	122	4	8			*96					63	12	8			47	8	2																					
07	117	7	7			89	16	8			61	12	6			49	13	4																					
08	*116					*91					*55					*47																							
09	*114					*83					*55					*47																							
10	*116					*89					*57					47	25	2																					
11	120	6	10			99	16	14			68	25	13			56	26	10																					
12	125	9	5			107	10	13			85	10	28			71	17	22																					
13	*131					*113					*91					*77																							
14	*143					*113					*93					*79																							
15	*142					*121					*94					*81																							
16	*140					*120					*93					*81																							
17	*132					*116					*96					*83																							
18	*138					*117					*92					*79																							
19	*142					*116					*94					*87																							
20	*136					*111					*93					*87																							
21	*132					*113					*93					*83																							
22	*133					*117					*93					*85																							
23	*132					*113					*92					*81																							

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 February 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	129	8	4			112	8	8			101	10	6			92	6	6			64	6	3			53	8	12			44	7	6			22	4	2		
01	130	7	7			112	10	10			101	10	8			91	5	7			65	4	7			51	6	12			44	4	4			20	4	0		
02	130	5	7			112	6	10			101	6	10			90	4	8			65	6	9			52	5	12			42	4	4			21	1	1		
03	130	5	9			112	6	8			101	4	10			88	4	8			63	6	7			52	5	11			42	5	6			20	4	0		
04	127	6	4			108	6	8			99	4	5			85	5	9			61	6	6			53	2	12			40	5	5			20	4	0		
05	126	6	7			106	6	12			93	8	12			72	8	14			57	8	5			49	4	8			38	7	4			20	2	0		
06	123	4	8			96	10	14			77	12	14			54	14	2			49	6	8			43	3	13			40	4	7			22	2	2		
07	119	6	2			94	8	18			71	16	8			56	16	4			41	8	8			33	10	12			34	5	4			22	4	2		
08	119	4	8			84	16	8			69	21	6			56	16	3			*46					*25					*26					20	2	0		
09	115	12	8			84	16	6			69	25	6			54	9	0			*43					*23					20	4	6			20	0	0		
10	117	10	9			100	6	18			71	23	8			56	14	2			45	9	14			23	8	6			20	11	5			20	2	0		
11	121	8	8			98	9	10			75	20	10			58	26	4			43	9	12			22	12	5			21	11	5			20	2	0		
12	125	8	8			106	8	14			91	18	22			70	20	16			41	20	8			23	9	6			26	9	8			20	4	0		
13	131	8	8			111	4	14			100	12	21			80	16	14			43	6	29			26	22	8			32	10	11			22	6	2		
14	131	9	6			113	11	9			103	9	16			83	16	23			47	15	15			27	21	8			34	10	8			24	4	4		
15	135	4	10			115	7	9			103	8	16			88	12	27			45	21	12			35	12	14			40	5	15			26	2	4		
16	135	6	10			116	9	8			105	10	13			88	14	21			51	19	18			*41					42	6	7			27	3	3		
17	135	5	8			116	8	8			105	10	10			88	12	27			55	13	20			51	9	10			46	5	7			28	2	4		
18	133	8	8			116	8	10			107	7	19			86	12	20			58	11	9			53	5	8			48	3	7			28	4	2		
19	133	6	8			116	6	10			103	7	12			88	12	7			67	8	6			55	4	6			48	5	6			26	4	2		
20	133	8	6			116	4	8			104	5	7			90	6	6			68	8	5			55	4	8			46	5	5			26	4	2		
21	133	4	8			114	8	6			105	6	10			92	7	6			67	5	4			53	4	7			46	2	4			24	4	2		
22	131	6	6			114	4	10			103	4	6			92	4	6			67	5	5			53	8	6			44	4	4			24	2	4		
23	131	4	6			112	6	6			101	8	6			91	5	7			65	6	4			53	7	7			44	4	5			22	4	2		

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

USCOMM-NBS-DL

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Rabat, Morocco Lat. 33.9 N Long. 6.8 W Month December 19 59

Frequency (Mc)

Hour (LST)	.051										.246					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	125	4	3								94	5	4			82	6	4			53	5	4			50	6	4			40	2	6			25	6	1		
01	125	4	3								96	3	7			80	6	2			53	6	4			50	8	4			38	7	2			24	11	3		
02	125	4	2								94	5	5			82	6	4			53	5	5			50	4	4			38	7	2			24	6	1		
03	125	4	2								96	4	6			82	3	5			53	5	4			52	8	4			40	6	6			24	3	2		
04	125	4	2								93	5	3			80	6	4			53	8	6			52	4	4			38	4	6			24	0	3		
05	127	4	6								90	6	2			80	2	5			51	8	2			52	4	2			35	5	5			24	2	2		
06	125	6	6								88	4	8			73	13	9			51	8	4			52	4	4			36	6	4			26	2	2		
07	121	6	4								76	4	4			60	24	2			45	12	2			50	6	4			40	2	2			30	12	4		
08	117	6	6								74	4	2			60	26	4			37	4	4			38	4	4			36	4	4			32	14	4		
09	109	6	6								74	5	2			62	26	6			35	4	4			28	6	4			32	4	5			34	8	8		
10	105	7	4								74	2	2			60	18	4			35	5	2			24	4	4			30	12	6			34	12	8		
11	109	4	8								74	6	2			65	19	10			33	6	2			22	4	4			35	12	7			32	14	6		
12	109	6	6								74	3	2			60	26	4			33	4	2			22	4	3			34	12	8			34	14	8		
13	109	6	8								74	2	2			60	26	5			33	6	4			22	3	4			30	17	7			32	16	6		
14	109	4	8								74	2	2			60	26	4			33	4	2			22	4	2			33	9	7			36	14	8		
15	111	4	6								74	0	2			69	17	16			34	3	3			28	5	4			38	8	6			44	8	14		
16	111	4	12								74	2	2			80	6	19			35	2	4			32	4	5			43	13	5			44	8	14		
17	111	4	10								76	8	3			80	8	10			39	6	2			46	4	6			46	11	4			36	11	9		
18	114	7	5								82	8	3			84	4	12			49	4	4			50	10	3			42	10	2			33	9	7		
19	119	5	5								86	8	6			85	5	9			51	6	4			50	4	4			46	4	6			33	5	7		
20	121	4	6								88	8	6			87	3	7			53	5	6			52	7	5			46	4	6			30	9	4		
21	121	6	4								92	4	6			86	5	4			55	3	6			50	6	4			45	3	6			32	4	6		
22	123	6	3								92	4	4			86	4	5			55	4	4			50	6	4			43	4	6			29	9	5		
23	125	2	4								94	4	6			86	2	6			53	5	3			48	7	3			40	4	5			24	9	0		

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

USCOMM-NBS-DL

MONTH-HOUR VALUES OF RADIO NOISE

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

Hour (LST)	Frequency (Mc)																																							
	.051										.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	124	5	5								93	4	12			78	11	4			55	8	6			53	4	13			42	4	6			24	6	1		
01	123	6	4								93	7	10			78	8	3			55	7	7			51	6	10			40	6	4			26	6	2		
02	123	7	4								93	10	9			78	10	6			53	11	4			52	9	7			41	6	6			24	4	2		
03	125	4	6								91	12	8			80	8	8			53	11	6			53	8	11			42	6	6			24	4	0		
04	125	6	6								91	8	12			78	6	8			55	10	8			54	7	9			38	6	6			24	2	2		
05	125	6	6								91	7	8			78	4	8			55	14	8			55	4	14			38	4	8			24	2	2		
06	124	6	7								89	6	8			72	12	9			56	11	9			55	6	14			38	6	6			26	2	2		
07	123	4	10								85	6	10			66	16	10			56	10	10			53	6	10			40	5	6			32	13	4		
08	117	4	8								77	10	4			61	21	7			43	8	6			45	4	11			38	6	4			32	14	4		
09	109	8	8								77	9	4			*69					37	8	4			27	12	4			34	15	4			38	12	12		
10	107	12	12								79	10	8			60	20	9			35	11	4			21	7	4			33	8	7			30	17	3		
11	109	8	12								75	12	2			64	23	8			36	7	5			21	8	7			34	16	9			32	16	6		
12	111	6	14								75	14	2			58	20	7			35	6	4			21	7	4			28	9	6			30	14	6		
13	109	8	10								77	11	4			56	22	2			33	6	2			21	9	4			26	17	5			32	12	6		
14	108	11	9								75	14	2			61	21	7			35	4	2			21	8	5			32	6	8			38	12	10		
15	108	11	11								77	10	6			60	20	8			35	3	2			25	5	4			36	6	8			34	14	4		
16	107	8	8								77	11	4			68	16	11			37	4	3			29	10	6			42	8	10			36	14	6		
17	104	14	5								77	10	4			82	2	22			41	4	4			43	10	11			45	9	9			*50				
18	113	8	6								84	9	7			84	4	11			47	6	2			49	10	11			46	6	8			40	14	14		
19	119	4	4								83	10	4			83	6	10			51	6	2			51	8	12			48	4	10			*34				
20	121	4	6								85	10	6			84	6	5			53	7	3			51	7	10			46	4	10			*34				
21	121	6	6								89	9	7			86	4	8			53	8	2			51	8	11			44	4	6			33	9	7		
22	121	8	3								91	10	9			84	6	8			55	7	5			51	6	10			44	3	5			28	6	4		
23	121	8	4								93	8	11			84	6	10			55	7	5			51	6	12			43	5	5			26	6	2		

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Rabat, Morocco Lat. 33.9 N Long. 6.8 W Month February 1960

Frequency (Mc)

Hour (LST)	.051										.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	128	6	6								98	10	6			83	12	4			*59					*59					*44					*28				
01	*128										*100					*83					55	8	4			55	6	6			46	2	6			28	5	1		
02	128	10	4								97	11	8			83	16	6			*56					*55					*44					*28				
03	*127										*98					*87					57	11	8			59	4	6			44	4	2			27	6	1		
04	128	8	4								98	10	10			84	7	7			*58					*59					*46					*26				
05	*125										*101					*81					56	11	7			55	6	10			44	6	9			27	2	3		
06	127	9	8								90	14	10			79	12	13			*55					*56					*43					*28				
07	*120										*85					*69					53	9	10			59	4	8			42	4	4			34	6	5		
08	118	10	8								82	8	6			65	20	6			*39					*49					*42					*43				
09	*110										*87					*69					35	14	4			40	20	16			40	9	11			33	5	4		
10	112	6	8								82	8	6			67	9	8			*36					*21					*34					*46				
11	*114										*85					*66					35	4	5			22	5	3			32	12	6			33	17	4		
12	114	5	9								80	10	4			67	15	12			*34					*33					*36					*35				
13	*114										*86					*84					33	9	2			21	6	2			30	13	4			33	12	5		
14	116	6	8								80	8	4			63	20	8			*36					*28					*38					*46				
15	*114										*86					*69					37	4	2			37	12	12			38	6	8			40	10	9		
16	112	7	12								78	8	4			65	20	7			*40					*33					*42					*48				
17	*113										*84					*67					43	4	6			40	9	9			48	10	10			*37				
18	115	7	13								86	6	8			77	9	5			*51					*59					*48					*46				
19	*124										*90					*87					56	7	3			55	4	8			48	9	6			33	12	6		
20	124	6	6								90	12	6			86	7	10			*58					*59					*49					*38				
21	*122										*94					*92					57	4	4			61	7	8			48	4	6			33	7	6		
22	128	4	6								94	8	6			89	4	7			*59					*55					*50					*34				
23	*128										*99					*93					57	8	6			55	4	9			48	6	6			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 São José, Brazil Lat. 23.3 S Long. 45.8 W Month December 19 59

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	134	8	4	7.5	10.0	116	10	8	4.5	9.5	101	10	8	5.0	13.5	83	10	4	*3.5	*8.0	56	9	2	*5.0	*11.0	49	9	3	*6.0	*12.5	44	6	2	*6.0	*9.0	28	8	4	4.0	6.0
01	134	8	8	7.0	12.0	116	10	10	5.5	11.5	99	10	8	5.5	9.5	83	8	6	3.0	8.5	56	10	2	*8.0	*16.0	50	8	4	*5.5	*12.5	44	4	4	5.5	10.0	26	10	4	3.5	5.0
02	132	10	6	5.5	11.5	114	10	8	5.0	11.0	97	12	8	4.0	8.5	83	12	8	5.0	9.0	56	8	4	*4.5	*9.0	51	6	5	*6.5	*12.5	44	4	4	6.0	10.5	24	10	4	*2.5	*4.0
03	132	12	6	6.5	12.0	116	12	12	5.0	9.5	99	12	10	4.5	10.0	81	12	8	4.0	8.0	56	8	5	*6.0	*13.0	49	9	3	*6.0	*13.5	44	4	6	*6.0	*10.5	23	5	1	2.5	3.0
04	132	10	8	6.0	12.0	113	13	9	5.0	10.0	97	12	8	3.5	8.5	79	10	6	5.0	9.0	54	14	2	*9.5	*17.0	49	9	3	*9.5	*18.0	44	1	6	*3.5	*10.0	22	6	0	1.5	2.5
05	126	8	4	*9.0	*14.5	98	14	6	6.0	11.0	77	16	8	*7.5	*12.0	61	9	10	*6.5	*12.5	54	10	6	7.0	15.0	46	8	3	*7.5	*15.0	44	7	6	*4.0	*10.0	24	10	4	3.5	5.0
06	124	8	10	7.0	13.0	98	12	10	4.5	10.0	75	13	8	*5.0	*9.5	77	8	4			42	8	10	*6.5	*12.0	44	4	8	*7.5	*12.0	44	4	10	5.0	8.5	22	7	2	2.5	4.5
07	120	12	10	8.0	14.0	96	16	8	*6.5	*11.5	75	14	8	*6.0	*11.0	71	4	7			32	7	4	5.0	7.5	38	8	9	*7.0	*10.0	36	8	6	7.0	10.0	22	8	2	2.5	4.0
08	124	7	20	7.5	16.0	98	16	10	4.5	10.5	*75			3.0	*7.5	69	12	2	5.5	8.5	30	10	5	*5.0	*7.5	34	6	8	*7.0	*11.5	34	6	8	*6.0	*11.0	22	8	2	*2.0	*3.5
09	128	7	21	*8.0	*17.0	100	13	12	*5.0	*9.5	77	12	12	*5.5	*10.5	80	4	13	*7.5	*15.0	30	4	6	*6.0	*7.5	32	5	6	*6.5	*9.5	32	6	6	*5.5	*9.5	21	5	1	2.5	4.5
10	121	11	15	9.0	16.0	98	14	8	7.0	12.0	79	11	14	*6.0	*10.0	75	10	2	*9.5	*15.0	30	8	7	*5.0	*6.0	28	8	4	5.5	10.5	30	8	4	5.5	10.0	20	6	2	3.5	5.0
11	128	6	11	8.5	15.0	103	23	11	6.0	11.0	78	16	8	*11.0	*16.0	79	14	8	*9.0	*13.5	30	7	4	*4.5	*6.5	24	18	2	*4.0	*7.5	30	8	4	5.5	8.0	22	6	4	3.5	5.5
12	130	14	8	7.5	13.5	108	20	12	*12.5	*18.0	88	22	18	*10.5	*11.0	83	15	14	11.0	16.5	32	25	8	*6.0	*9.5	28	18	6	*5.5	*9.5	32	8	6	4.0	8.0	24	8	4	3.5	5.0
13	136	9	8	7.0	13.0	118	10	12	10.0	18.5	101	18	18	12.0	21.0	89	18	12	11.0	20.0	46	14	18	8.0	13.0	36	16	12	*8.5	*14.0	36	8	6	5.5	9.0	28	12	4	*3.0	*6.5
14	140	10	6	9.5	16.5	118	16	8	9.5	17.0	99	25	14	10.5	20.0	93	8	18	*11.0	*17.0	52	26	24	*9.5	*16.0	39	14	13	*8.5	*13.5	38	12	6	5.0	7.5	28	10	4	3.0	5.5
15	140	8	6	7.0	13.5	122	12	10	9.0	15.5	108	19	23	11.0	17.5	95	14	14	10.0	17.5	52	21	22	*15.0	*23.0	42	18	14	*8.0	*11.5	42	11	10	5.5	9.5	30	10	4	4.0	6.5
16	142	8	6	7.0	12.5	124	10	7	9.5	15.5	105	18	16	10.0	19.0	93	16	10	*9.5	*15.0	54	18	22	*14.0	*22.0	48	16	14	*7.0	*12.0	44	4	4	5.0	7.5	32	10	4	4.0	6.0
17	142	12	8	8.0	12.0	124	12	12	8.5	15.0	101	22	14	11.0	19.0	91	17	16	*8.5	*15.5	64	19	26	*9.5	*17.5	48	18	6	7.5	12.5	44	16	2	*4.5	*7.5	32	12	4	3.5	6.0
18	138	8	4	8.5	13.5	120	14	14	9.5	16.0	103	18	20	16.0	20.5	89	22	8	8.0	17.5	54	20	7	*9.0	*13.5	56	12	10	*4.0	*7.5	45	12	1	*4.0	*7.0	32	10	6	*5.0	*8.0
19	138	11	5	8.5	15.0	119	17	11	7.5	13.5	103	20	10	7.0	12.5	89	24	5	5.5	8.5	59	25	8	*4.5	*11.0	58	12	10	*3.0	*6.5	44	10	0	4.5	7.5	31	9	5	3.5	4.5
20	138	10	6	5.5	14.0	119	17	7	6.0	10.0	102	17	7	5.0	10.0	87	16	6	5.5	10.0	66	13	13	*4.0	*7.5	62	8	12	*4.0	*7.0	46	10	2	*4.0	*6.5	32	6	6	4.0	6.0
21	136	8	4	5.0	11.0	119	11	7	5.0	10.5	103	16	8	5.0	12.0	86	5	5	4.5	9.0	64	7	11	*3.5	*7.5	62	4	14	*4.5	*7.5	46	8	2	*3.5	*6.0	30	10	6	2.5	5.0
22	137	7	5	6.5	11.0	118	10	6	3.5	9.5	102	13	9	5.5	10.5	88	6	7	*3.5	*8.5	64	4	10	5.0	9.5	62	2	11	4.5	7.5	46	2	2	*5.0	*8.0	28	8	4	4.5	6.5
23	136	6	6	5.5	11.0	116	10	6	5.0	11.0	101	10	10	5.0	12.5	87	8	6	4.0	9.5	58	10	6	*5.5	*11.5	56	4	4	*5.5	*10.0	44	6	2	4.5	7.5	28	8	4	4.0	7.5

F_{am} = median value of effective ontenna 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 meon power

USCOMM-NBS-DL

MONTH-HOUR VALUES OF RADIO NOISE

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

Hour (LST)	Frequency (Mc)																																					
	.051					.113					.246					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	134	6	6	*7.0	*12.0	116	7	3	6.0	13.5	*103			5.5	12.5	88	10	4	5.0	10.0	58	6	8	*4.0	*8.5	*49			4.5	9.0	45	4	4	*4.0	*7.5	31			*3.0	*6.5
01	132	8	2	*9.5	*17.0	114	9	2	*7.5	*15.5	*99			5.0	9.5	*86			7.0	13.5	*56			*5.5	*11.5	51	6	6	4.0	10.0	44	3	5	*4.5	*9.5	29			3.5	5.0
02	133	7	3	*8.0	*15.0	118	3	6	*7.5	*12.5	*99			5.5	10.5	84	11	6	6.0	12.5	*56			*3.5	*7.5	*50			5.0	9.5	45	2	6	*5.5	*10.0	27			3.5	5.5
03	134	3	9	*12.0	*18.0	116	6	7	*4.5	*12.0	*97			5.0	10.5	86	5	12	3.0	7.0	56	6	12	6.0	11.0	51	6	8	5.5	12.0	45	2	6	*5.0	*9.5	27			*3.0	*5.5
04	133	5	8	10.0	15.0	114	8	8	*7.5	*14.0	*99			6.0	12.0	*80			5.5	11.0	*56			*5.0	*12.5	*49			6.0	12.5	43	2	6	*5.0	*10.0	27			2.5	4.0
05	130	8	6	*10.0	*19.0	110	6	12	*7.5	*12.0	*89			7.5	15.0	81	14	20	6.0	8.5	54	8	13	*5.5	*12.5	49	2	6	6.0	12.0	43	4	4	5.0	11.0	25			*2.0	*3.5
06	126	5	9	10.5	17.5	96	13	3	*5.0	*9.5	*76					78	9	3	1.5	3.0	45	12	11	6.0	12.5	47	4	6	5.5	10.5	41	4	8	5.0	10.0	25			2.5	4.5
07	120	8	6	*10.5	*15.0	98	9	3	*3.0	*7.0	*75			2.5	5.0	80	8	11	5.5	8.5	*38			5.0	12.5	*44			7.0	11.5	39	2	14	*4.0	*7.5	27			*3.0	*6.0
08	*119			*10.0	*15.5	*102			*4.5	*9.0	*75			2.5	4.5	*84			3.0	6.5	*42			*7.5	*17.5	*39			6.0	11.0	*36			*7.5	*12.0	25			*3.5	*6.0
09	*120			*7.5	*16.0	*98			*4.0	*8.0	77	17	2	5.0	10.5	86	5	8	6.5	11.5	*38			*4.5	*7.5	*37			4.5	8.5	*33			*5.5	*8.5	27			3.5	6.5
10	120	6	2	*11.0	*15.0	100	9	3	*5.0	*9.0	79	16	4	2.5	4.5	83	5	6	2.0	2.5	*35			*7.5	*11.0	*35			7.5	12.0	*31			*6.5	*9.5	25			*3.0	*5.0
11	124	7	8	*8.5	*14.0	102	13	5	*8.5	*12.5	77	26	4	5.0	7.0	81	11	4	3.5	7.0	34	34	6	*5.0	*8.0	33	16	8	4.0	7.0	29	8	4	*6.0	*9.5	26			*2.5	*5.0
12	127	12	3	*11.5	*18.0	109	14	7	*9.0	*12.5	87	18	11	25	4.5	82	14	4	9.5	15.5	36	20	8	*6.5	*8.0	37	14	13	8.0	12.0	33	7	8	*4.0	*6.0	28			*2.5	*5.5
13	134	8	9	*10.5	*16.5	115	13	12	*11.0	*16.5	*100			9.5	10.5	94	8	11	6.0	7.5	*50			*7.5	*10.0	*43			8.0	13.0	*37			*6.0	*9.0	33			4.0	5.5
14	138	6	8	*10.0	*16.0	122	12	14	*12.5	*22.5	109	13	31	11.5	17.0	92	6	8	6.0	10.0	*56			*10.0	*12.0	49	10	14	7.5	12.5	41	8	9	*6.0	*8.5	32			4.5	6.5
15	142	7	9	*8.5	*15.5	124	13	8	*13.5	*20.0	114	5	25	12.5	20.0	94	12	9	3.0	4.5	*56			*15.0	*22.0	*51			9.5	14.5	*40			*7.0	*11.0	31			3.0	5.5
16	140	8	9	*7.0	*13.5	124	12	15	*12.0	*18.0	110	12	28			92	11	5	11.0	16.5	54	17	21	*14.0	*13.0	49	9	12	5.0	8.5	*43			*4.5	*7.5	31			*3.5	*6.0
17	138	7	7	10.0	14.0	118	12	10	*10.0	*16.0	103	14	13	9.5	15.5	88	11	6	6.0	8.5	56	12	16	*7.5	*15.0	*51			5.0	8.0	43	4	2	*6.0	*10.5	33			*3.0	*5.5
18	136	9	6	9.5	15.5	116	10	8	11.0	16.5	95	16	11	15.0	21.0	86	13	6	2.5	4.0	54	12	19	*6.0	*10.5	*51			2.5	6.5	47	4	2	*3.0	*7.0	31			*3.0	*5.5
19	136	7	8	8.5	14.5	119	7	9	*8.5	*15.0	99	12	8	8.0	15.0	90	6	8	7.0	12.5	*58			*5.5	*9.0	*58			4.0	7.0	47	2	4	*3.5	*8.0	31			*2.5	*4.5
20	136	5	7	*7.0	*12.5	120	4	8	*7.5	*12.5	101	8	8	8.0	14.0	92	4	7	5.0	8.5	58	8	4	*4.5	*7.5	*51			3.5	7.5	47	2	2	*3.0	*7.0	31			*2.5	*5.0
21	136	5	4	7.5	13.5	120	4	6	5.5	11.0	101	8	4	9.0	15.0	92	11	8	4.0	8.5	58	7	5	*4.0	*7.5	55	10	4	4.5	8.5	47	4	4	*2.5	*7.5	31			*2.5	*5.0
22	135	5	6	8.0	17.0	118	6	4	7.0	12.0	103	4	6	7.5	15.0	90	6	4	5.0	8.5	58	6	6	*3.5	*7.5	59	4	8	6.0	10.5	47	2	7	*3.0	*7.0	32			*2.5	*5.0
23	136	5	8	7.5	13.0	118	6	5	*5.5	*10.0	103	8	6	7.5	15.5	90	5	4	5.0	8.0	58	8	8	*5.0	*10.0	*53			4.0	7.5	47	2	6	*4.0	*7.5	32			3.0	5.5

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

USCOMM-NBS-DC

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.051					.113					.246					.545					2.5					5					10					20				
	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	Fom	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	*129			11.0	18.5	*117			10.0	16.0	98			*9.0	*16.5	85			7.0	12.5	*63			7.0	12.0	56			6.0	9.5	44			5.0	8.5	28			*4.5	*6.0
01	135	4	8	9.0	14.0	*118			7.5	12.5	97			*8.5	*13.0	84			*6.0	*9.5	*58			7.0	13.5	52			6.0	10.0	44			5.5	9.0	30			3.0	6.0
02	*129			10.0	17.0	118	6	4	8.5	16.0	100			9.0	14.0	85			8.0	13.5	*62			7.0	12.0	54			5.0	10.0	44			5.5	8.0	26			*4.0	*6.5
03	*133			9.0	15.0	*114			10.0	17.5	98			*8.0	*15.5	84			7.5	15.0	*55			8.5	15.0	52			6.0	12.0	44			6.0	10.0	27			4.0	6.0
04	*127			12.5	19.5	116	4	8	11.0	18.0	100			9.0	17.0	81			9.0	17.0	*59			6.0	12.5	52			6.5	12.5	43			5.0	10.0	24			*3.0	*4.5
05	*133			9.5	14.5	*112			*8.0	*14.0	82			*8.5	*15.0	73			*8.0	*15.0	*53			*7.5	*14.0	52			7.5	14.0	42			5.0	8.5	26			2.0	3.0
06	*119			12.0	20.0	*100			8.0	14.0	74			4.5	8.0	84			*8.5	*15.0	*45			7.0	10.5	50			*7.0	*10.5	40			5.0	7.5	28			2.5	5.0
07	*120			9.0	16.0	*98			*6.0	*10.0	76			*8.0	*12.0	71			5.0	*9.5	*40			*5.0	*12.0	41			*7.0	*11.5	36			5.0	7.5	26			3.0	6.5
08	*117			*16.0	*20.0	*97			*4.5	*9.5	74			*2.5	*5.0	83			*6.0	*12.0	*35			*6.0	*10.0	37			*7.0	*12.0	36			*6.0	*8.0	30			*5.0	*7.0
09	*119			8.5	15.0	*94			*6.0	*6.0	75			*4.5	*8.5	79			*6.0	*12.0	*39			*6.0	*11.5	32			5.5	9.5	31			4.5	8.5	26			2.5	6.0
10	*121			13.0	19.0	*99			5.5	10.0	77			4.5	6.0	79			*8.0	*13.0	*31			5.0	7.0	32			*6.0	*13.5	28			*5.5	7.5	26			*6.0	*8.0
11	*123			10.0	17.0	*103			*8.5	*13.0	76			*8.5	*15.0	79					*33			*7.5	*10.5	28			5.5	9.0	28			5.0	7.5	26			2.0	5.0
12	*127			12.0	20.0	*103			7.5	12.5	86			*3.0	*6.0	82			*4.0	*10.0	*35			*7.5	*7.5	34			7.5	10.0	32			*9.5	15.0	28			4.5	7.0
13	*135			11.5	16.5	*122			10.0	16.5	90			*12.5	*21.0	93			*9.5	*19.0	*39			*160	*21.0	36			10.0	12.5	34			5.0	10.0	25			4.0	7.5
14	*132			12.0	17.5	*117			7.5	13.0	96			*9.5	*17.5	91			*6.0	*10.0	*46			*9.5	*17.0	50			*9.5	*17.5	40			*6.0	10.0	28			*5.0	*7.0
15	*141			10.0	15.5	*123			11.0	20.0	98			12.5	20.0	95			*9.0	*15.5	*49			*6.0	*10.0	44			*9.0	*15.5	39			7.5	12.0	29			6.0	8.0
16	*136			10.0	16.0	*124			9.5	14.5	110			13.0	22.5	91			10.0	16.5	*61			*12.0	*20.5	57			*11.5	*17.5	44			5.0	7.5	30			*5.0	*6.5
17	*139			8.5	14.5	*126			12.0	18.5	105			*10.0	*18.5	91			*8.5	*17.5	*60			*12.0	*17.5	56			*7.5	*13.5	46			4.5	7.5	31			4.0	7.5
18	*134			11.0	17.5	*118			11.0	18.5	93			*11.0	*19.0	87			*9.0	*17.5	61	8	16	*9.5	*16.0	60			*7.0	*10.5	50			5.0	7.0	32			4.0	7.0
19	*134			8.5	15.0	*120			8.5	13.5	104			8.0	17.5	87			*6.0	*11.0	*57			5.0	11.0	60			4.5	10.0	48			6.0	10.0	28			5.5	8.5
20	*133			10.0	16.0	*117			7.5	14.5	98			*4.5	*11.5	88			7.5	12.0	67	14	4	6.0	8.5	60			5.0	8.5	51			5.0	7.5	30			4.0	7.5
21	*137			7.5	14.0	*120			7.0	13.0	105			8.0	14.0	91			6.5	10.0	*63			6.0	10.0	58			4.0	9.0	46			3.5	7.5	28			4.0	6.0
22	*131			10.5	17.0	*117			7.5	15.0	100			6.5	15.0	89			*5.0	*9.5	65	4	4	6.0	11.5	58			6.0	10.0	46			5.0	7.5	29			*3.5	*8.5
23	*134			8.5	15.0	*120			7.5	12.5	104			8.5	14.0	91			*6.5	*10.0	*60			*5.0	*10.5	57			5.5	9.0	44			5.0	8.5	30			*5.0	*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

USCOMM-NBS-DL

MONTH-HOUR VALUES OF RADIO NOISE

Station Singapore, Malaya Lat. 1.3 N Long. 103.8 E Month December 19 59

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	160	3	3			138	3	3			116	4	4			92	2	6			62	4	3			57	4	1			47	2	3			28	1	5		
01	*159					*135					*114					*90					64	2	5			58	3	3			47	4	3			26	4	3		
02	159	4	2			138	3	5			116	4	4			89	5	5			64	4	8			58	3	4			46	3	3			26	2	4		
03	*159					*137					*114					*86					64	3	5			59	3	2			45	4	4			25	3	3		
04	159	2	2			135	8	4			114	6	4			86	10	10			63	8	7			57	7	2			43	8	1			24	2	2		
05	*159					*135					*109					*78					62	5	9			57	5	4			43	1	2			23	1	1		
06	159	2	2			129	8	4			*101					*75					51	6	9			47	7	4			41	3	2			24	2	2		
07	*155					*125					*98					*74					40	16	14			38	10	11			35	6	3			23	5	1		
08	*155					*129					*102					*70					33	12	5			29	12	6			*29					22	2	0		
09	*155					*127					*94					*60					31	14	4			30	8	4			26	5	3			22	8	1		
10	155	4	4			*125					*96					*61					*32					*25					*23					*22				
11	*157					*127					*102					*70					29	8	4			22	5	1			26	3	3			22	5	2		
12	157	3	5			129	5	8			100	14	5			73	18	12			26	4	2			21	6	2			25	10	3			24	7	2		
13	*157					*130					*106					*78					32	14	5			27	7	5			29	3	3			24	6	4		
14	159	4	4			133	10	4			110	24	5			87	24	12			42	27	15			34	28	6			35	21	6			28	10	5		
15	161	14	2			137	14	2			*114					88	18	6			43	22	16			40	9	8			38	5	3			26	14	3		
16	161	4	2			137	10	5			112	13	7			86	14	9			45	22	7			47	16	5			43	9	4			28	9	5		
17	*159					*138					112	22	10			90	20	10			51	16	5			51	11	3			46	7	4			28	4	4		
18	159	4	4			139	4	4			116	5	5			94	5	7			59	6	3			59	9	6			47	5	4			24	6	4		
19	*159					*139					*116					*94					62	4	3			59	8	5			45	9	2			25	5	3		
20	159	2	4			137	6	2			118	4	6			94	2	6			62	3	3			61	7	4			46	10	3			26	2	2		
21	*159					*137					*116					*93					60	5	2			61	6	5			47	10	4			28	2	4		
22	159	4	2			137	4	2			116	4	2			92	5	4			61	5	4			57	2	4			47	7	3			28	3	5		
23	*160					*138					*116					*90					61	5	4			57	2	5			47	2	2			27	3	5		

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

MONTH-HOUR VALUES OF RADIO NOISE

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

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	159	4	3			136	8	4			115	6	4			91	6	6		
01	159	4	4			136	6	4			117	4	8			91	6	8		
02	159	4	4			136	7	4			115	6	6			89	7	8		
03	159	4	4			136	7	4			115	6	6			87	10	7		
04	159	3	4			136	6	4			113	6	5			87	8	8		
05	159	2	4			136	6	4			111	10	7			83	7	10		
06	159	2	2			131	5	5			107	5	16			73	11	17		
07	155	4	4			126	8	6			98	13	12			75	4	18		
08	153	6	2			122	8	8			93	12	10			65	13	7		
09	153	4	4			124	4	12			93	17	10			67	10	12		
10	153	4	6			124	5	6			91	10	10			69	8	14		
11	153	4	3			124	6	5			94	8	7			73	5	14		
12	153	6	2			126	6	6			97	9	8			75	5	12		
13	155	6	3			128	8	4			101	10	8			77	13	12		
14	157	4	4			132	6	6			105	14	6			79	16	14		
15	159	4	4			134	4	7			105	10	6			81	14	9		
16	157	5	2			134	7	6			107	10	6			83	10	9		
17	157	6	4			134	8	5			107	11	6			83	7	7		
18	157	2	4			136	5	7			113	6	6			87	8	8		
19	157	5	4			138	5	4			115	6	6			89	6	6		
20	157	5	2			138	4	6			115	5	4			89	6	4		
21	157	4	1			136	7	2			115	6	4			91	5	7		
22	159	3	3			136	8	4			115	7	6			91	4	6		
23	159	4	2			136	6	4			115	5	6			91	5	7		

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	63	3	7			57	2	3			43	4	0			25	2	2		
01	62	6	7			57	2	4			43	4	2			23	4	0		
02	62	6	6			57	4	2			43	5	3			23	2	0		
03	62	6	6			59	5	4			42	5	3			23	2	0		
04	62	5	9			58	6	2			43	2	6			23	2	0		
05	60	6	8			57	6	2			39	5	3			23	2	0		
06	56	6	10			53	2	6			41	6	4			23	2	0		
07	42	12	8			39	8	8			35	4	3			23	2	2		
08	32	6	4			31	8	6			27	8	5			23	2	2		
09	30	8	4			29	4	6			23	4	6			21	2	0		
10	34	6	4			31	4	10			23	4	6			21	2	0		
11	32	8	6			25	9	4			21	4	5			21	2	0		
12	31	4	5			23	5	2			21	4	3			21	4	0		
13	32	6	5			25	5	3			24	5	4			21	4	0		
14	32	10	4			29	4	6			29	4	6			23	6	1		
15	37	8	9			33	6	6			35	2	4			25	4	2		
16	42	7	8			39	6	6			40	1	3			27	2	4		
17	44	9	4			47	6	2			43	4	2			27	4	4		
18	54	4	4			59	3	2			45	2	2			25	2	2		
19	64	4	5			60	4	3			45	2	4			25	2	2		
20	62	6	4			61	4	4			45	2	4			25	4	2		
21	62	4	2			61	3	5			45	3	4			27	3	3		
22	63	3	5			59	2	4			45	2	4			27	2	2		
23	62	4	4			59	2	5			44	3	3			25	2	1		

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

USCOMM-NBS-DC

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013 Fam	Du	Dℓ	Vdm	Ldm	.051 Fam	Du	Dℓ	Vdm	Ldm	.160 Fam	Du	Dℓ	Vdm	Ldm	.545 Fam	Du	Dℓ	Vdm	Ldm
00	159	4	2			138	5	6			116	6	6			86	9	3		
01	159	4	3			138	4	6			116	6	7			88	6	7		
02	159	4	4			136	6	4			114	8	6			88	8	6		
03	159	4	4			135	5	5			114	8	6			88	6	8		
04	159	3	4			136	6	6			116	5	10			86	8	6		
05	159	3	4			136	6	8			112	8	11			82	6	6		
06	159	4	4			131	5	7			102	11	17			76	5	2		
07	155	4	4			124	10	5			92	19	12			76	4	2		
08	155	4	4			122	14	9			100	12	19			76	3	2		
09	154	6	3			122	14	4			96	14	9			76	2	2		
10	153	4	2			124	6	6			95	11	11			76	2	8		
11	153	4	4			126	4	8			97	9	15			76	6	2		
12	153	2	6			126	8	7			102	10	15			78	9	3		
13	157	4	6			130	11	6			102	20	10			80	14	4		
14	157	4	3			132	7	6			108	7	12			82	15	4		
15	159	4	4			134	6	6			108	9	8			82	11	4		
16	159	5	3			134	8	7			108	11	8			82	25	4		
17	159	4	4			134	7	7			108	10	10			82	8	4		
18	157	4	4			136	6	10			116	4	8			90	5	7		
19	157	4	2			136	8	4			118	5	7			92	3	8		
20	157	5	2			136	8	6			118	4	4			92	4	7		
21	159	4	4			136	7	4			116	6	5			92	5	8		
22	159	3	3			138	5	8			116	6	6			90	6	5		
23	160	3	3			136	5	5			116	6	6			90	3	8		

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	59	10	6			59	2	4			46	2	2			28	0	3		
01	61	8	6			59	2	3			46	2	2			26	2	2		
02	63	5	7			59	2	3			45	3	3			26	2	2		
03	63	5	6			59	4	2			44	3	2			26	2	2		
04	63	5	8			59	4	3			44	4	2			26	3	2		
05	61	5	10			57	5	4			44	2	4			26	0	2		
06	57	5	10			53	4	3			42	3	3			24	3	0		
07	43	10	10			40	7	6			36	4	3			24	2	2		
08	33	12	2			35	7	12			30	6	6			24	2	2		
09	33	4	2			33	6	5			26	8	4			22	2	1		
10	35	6	4			33	6	10			26	4	6			22	0	2		
11	33	2	2			25	6	4			22	6	4			23	1	3		
12	33	6	2			25	8	4			22	10	5			24	4	2		
13	33	10	2			27	16	6			28	10	8			24	2	2		
14	37	10	6			29	14	4			32	4	8			26	3	2		
15	37	17	6			35	5	6			36	4	7			26	3	2		
16	39	6	6			39	8	5			42	3	4			28	8	2		
17	45	10	8			47	4	5			46	1	3			28	5	2		
18	55	5	7			57	6	2			46	2	2			26	2	2		
19	61	4	6			59	2	4			44	3	2			26	2	2		
20	61	7	6			59	4	4			46	3	2			28	4	2		
21	61	4	6			59	4	4			48	1	4			28	3	0		
22	61	8	7			57	5	3			46	4	2			28	4	0		
23	59	8	8			59	2	5			46	4	2			28	3	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 Thule, Greenland Lat. 76.6 N Long. 68.7 W Month February 19 60

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	153	2	5	3.0	5.5	*114			6.5	8.5	105	4	4	16.0	19.5	87			*12.0	*15.0	67			14.0	19.5	55			7.0	9.5	37					34				
01	153	2	5	3.0	5.0	*115			*6.0	*9.0	105	4	2	16.0	20.0	87			*11.5	*14.5	70			9.0	12.0	54					36			4.0	5.5	32			12.0	14.5
02	153	2	5	3.5	5.5	116	18	4	7.0	10.0	105	4	4	16.0	18.5	87			10.0	15.0	70			9.5	12.5	54					33			4.0	6.0	34			13.5	16.5
03	153	2	7	4.0	5.5	116	14	4	4.0	8.5	105	4	3	13.5	19.5	87			*9.0	*13.0	67			10.0	12.5	54			6.0	8.0	33			3.5	5.0	33			11.0	15.0
04	153	2	7	3.5	5.0	114	19	2	8.0	15.0	107	2	6	*14.5	*17.0	87			*5.5	*10.0	64					54					32			8.0	8.0	33				
05	153	2	7	3.5	6.5	*118			*6.5	*11.0	105	4	6	*16.0	*20.0	87			*8.0	*12.5	70			9.5	12.0	54			13.5	19.5	36			5.0	7.0	34			14.0	17.0
06	153	2	7	5.5	8.0	*116			*4.5	*9.0	105	4	4	16.0	19.5	87			11.5	16.0	70			9.0	12.0	53					42			3.0	5.0	34				
07	153	2	5	5.0	9.0	*120			*9.0	*14.0	105	4	4	15.0	18.5	87			*12.5	*16.5	69			17.5	24.0	54					38					34			8.5	12.0
08	153	2	9	*2.0	*4.0	*116			*8.0	*13.0	106	3	6	*17.0	*19.0	85			*11.0	*18.0	70			9.0	12.0	55					39			5.0	8.0	34			13.5	17.5
09	*153			3.0	5.0	*116			*14.0	*15.5	105	4	5	*17.0	*22.0	89			*4.0	*9.0	71					54			19.5	24.5	40					34			8.5	11.0
10	153	2	3	*5.0	*7.0	*118			*5.5	*10.5	105	4	6	18.0	21.0	91			4.5	14.0	70					54					39					33			12.0	18.0
11	153	2	4	3.5	9.0	*117			3.5	6.0	105	4	4	16.0	19.5	87			*10.0	*13.0	70					53					35			5.0	6.0	34				
12	153	2	5	2.5	5.0	*116			*4.0	*10.5	105	4	3	16.5	20.0	95			8.0	13.0	69					56					32			3.5	5.0	33			10.0	16.5
13	153	2	7	3.0	6.0	*120			*4.5	*7.0	105	4	5	*14.5	*23.0	95			9.5	12.0	72					57					33			3.0	4.0	34				
14	153	2	7	2.0	4.5	*120			*5.0	*7.0	105	4	4	16.0	18.5	87			*6.0	*10.0	70					54					34					33			2.5	3.0
15	153	2	5	4.0	7.5	118	6	6	*6.5	*10.0	107	4	6	12.5	18.5	87			*7.0	*11.5	70					58					36			2.5	5.0	34				
16	153	2	3	3.5	6.0	118	2	6	*4.5	*8.0	105	4	4	16.0	19.5	87			10.0	14.0	70			19.5	25.0	56			13.5	18.0	35			2.5	5.0	34			6.0	9.0
17	153	2	5	5.5	9.0	120	2	8	7.0	7.5	105	4	2	15.0	18.0	87			*11.5	*14.5	70			13.5	17.5	56			9.0	11.0	35			3.0	4.5	34				
18	153	2	2	4.5	10.0	117	7	3	*9.0	*13.0	105	4	2	15.5	18.0	89			*8.5	*12.0	70			19.5	25.0	56					35			6.5	9.0	34				
19	153	2	3	4.5	12.0	118	7	5	6.5	11.0	105	2	2	9.0	13.5	87			*14.0	*16.0	70			9.0	12.5	54			6.5	9.0	34			3.0	5.5	34			9.5	12.5
20	153	2	3	4.0	6.0	114	7	2	6.0	9.0	105	6	4	15.0	18.5	87			*10.5	*14.5	62			13.5	18.5	54			7.5	10.0	33			5.0	9.0	34				
21	153	2	3	5.0	6.5	116	8	4	6.5	10.0	105	4	2	17.0	19.5	85			*10.5	*14.0	70			9.0	12.0	54			9.0	11.5	35			4.0	6.5	34				
22	153	2	3	3.0	5.0	120	9	8	6.0	10.5	105	4	2	*14.5	*19.0	87			*12.0	*16.5	70			14.5	19.0	52			12.5	18.0	34			4.0	9.0	33				
23	153	2	3	6.0	11.0	118	7	6	7.0	10.0	105	4	3	16.5	20.0	87			*14.0	*16.0	66			18.0	25.0	52			18.5	23.0	35			17.0	20.0	34			6.0	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

USCOMM-NBS-DL

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0 N Long. 79.5 W Season Winter (Dec. Jan. Feb.) 19 59-60

	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	132	7	7	11.5	19.0	130	8	6	11.0	19.0	119	13	9	14.5	22.5	126	7	6	11.5	18.5	128	8	7	12.5	20.0	130	7	6	11.5	19.0
.113	118	8	7	7.5	12.0	111	13	10	10.5	16.5	98	21	10	8.0	13.0	103	13	8	10.0	16.0	109	12	9	9.0	15.0	115	7	5	7.5	11.5
.246	105	8	6	10.0	17.5	95	15	11	11.0	21.5	83	23	9	10.0	20.0	87	16	8	9.5	17.5	95	12	9	10.0	18.0	103	7	6	9.4	16.5
2.5	60	6	6	8.0	14.0	55	9	10	9.0	16.0	29	17	7	5.0	10.5	28	13	6	5.5	8.5	44	10	7	6.5	10.5	58	6	7	7.5	13.0
5	55	5	4	6.0	10.0	50	7	6	6.5	11.0	26	12	7	7.0	10.5	26	9	6	6.0	9.0	48	5	5	6.0	10.0	55	5	4	5.5	9.0
10	39	5	5	5.0	8.0	36	7	4	4.5	7.0	24	9	6	8.0	12.0	25	7	5	7.0	11.0	41	5	4	4.5	8.0	42	4	3	4.5	7.5
20	24	3	1	2.0	3.0	25	3	1	2.0	4.0	24	4	3	3.5	5.5	26	4	2	4.0	6.0	28	4	2	3.5	5.5	25	3	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

USCOMM-NBS-BL

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Bill, Wyoming Lat. 43.2 N Long. 105.2 W Season Winter (Dec. Jan. ***) 19 59-60

	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	121	7	7			119	7	4			104	10	6			104	12	7			114	10	9			119	10	6		
.113	106	7	5			99	8	6			89	7	8			91	9	6			104	6	8			105	10	5		
.246	87	11	7			80	11	4			76	4	2			76	7	2			80	11	5			85	13	5		
.495	75	11	9			64	11	6			54	4	4			55	9	3			62	14	7			73	13	9		
2.5	48	6	7			43	8	6			26	2	3			26	4	3			40	11	5			47	12	6		
5	47	6	5			46	6	6			27	5	3			25	6	3			40	8	5			46	9	5		
10	38	8	7			36	6	5			31	7	4			31	5	3			41	6	5			42	7	7		
20	25	2	0			26	2	2			29	4	2			30	3	2			30	3	3			24	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

***No February Data.

USCOMM-NBS-BL

RN-14

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1 N Long. 105.1 W Season Winter (Dec. Jan. Feb.) 19 59-60

	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	149	4	3	10.5	17.0	148	3	3	11.5	18.0	144	3	4	11.0	17.5	143	4	4	11.5	17.5	146	4	5	13.5	20.5	146	5	4	13.0	20.0
.051	121	8	6	11.0	18.5	117	6	6	11.0	19.0	103	9	7	11.5	17.5	102	14	6	11.5	19.0	124	12	9	12.0	19.5	118	11	7	11.5	19.0
.160	93	12	10	10.5	19.0	82	13	8	8.0	14.0	70	12	4	4.0	7.0	71	15	4	4.5	7.0	85	14	10	9.5	16.0	91	14	10	9.5	18.0
.495	74	11	8	7.0	12.5	65	10	5	5.0	9.0	61	7	4	3.0	6.0	58	6	4	3.0	5.5	66	13	6	5.5	9.0	75	13	8	7.0	12.5
** 2.5	51	7	4	2.5	5.0	49	7	4	2.0	4.0	46	5	2	1.5	4.0	46	4	2	1.5	3.0	48	8	3	2.5	5.0	51	8	4	2.5	5.0
5	51	6	5	3.5	7.0	48	6	6	3.5	6.5	38	3	5	2.0	4.0	38	4	4	2.0	4.0	45	9	4	3.0	5.5	50	9	5	4.0	7.0
10	41	7	7	3.5	6.0	38	6	5	3.0	5.5	30	7	4	2.5	4.5	32	6	5	2.5	4.5	44	7	4	3.0	6.0	42	6	5	4.0	7.0
20	25	1	2	1.5	3.0	26	2	2	2.0	3.5	29	3	2	2.0	3.5	30	3	3	2.0	4.0	28	3	2	2.0	4.0	25	2	2	1.5	3.0

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

** No February Data

USCOMM-NBS-BL

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Byrd Station, Ant. Lat. 80.0 S Long. 120.0 W Season Summer (Dec. Jan. Feb.) 19 59 - 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	101	4	3			100	4	3			100	3	3			100	3	2			100	4	3			101	6	4		
.113	80	6	4			78	6	4			78	5	4			79	5	4			79	5	4			79	5	4		
.246	68	6	5			66	6	5			67	5	6			66	5	4			67	6	5			67	7	6		
.545	64	7	7			63	8	8			62	8	9			63	8	8			63	8	9			63	7	9		
2.5	22	4	3			23	4	3			22	5	2			23	4	3			23	4	3			23	4	2		
5	23	6	5			18	6	4			16	3	4			16	4	2			19	4	3			24	7	6		
10	22	4	6			18	6	5			17	3	4			17	4	4			22	5	4			24	5	5		
20	19	1	2			19	1	2			19	1	1			19	1	1			19	2	0			19	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

** No December data.

USCOMM-NBS-BL

RN-14

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Cook, Australia Lat. 30.6 S Long. 130.4 E Season Summer (Dec. Jan. Feb.) 19 59-60

	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	159	6	4	9.0	15.0	156	5	3	10.0	17.0	154	6	6	12.0	19.5	158	6	5	9.0	16.0	161	4	5	8.0	14.5	161	5	6	9.0	14.5
.051	136	6	6	9.5	17.0	128	7	9	10.5	17.5	123	8	10	11.5	19.5	130	8	10	6.0	12.0	133	6	6	6.0	11.0	137	5	6	7.5	15.0
.160	113	6	6	7.5	16.0	96	10	12	10.0	18.0	87	12	14	10.0	18.0	99	13	14	6.0	12.0	107	10	11	6.0	11.5	115	6	7	6.0	12.0
.545	90	7	8	6.5	14.5	64	11	10	6.0	11.0	52	13	9	4.5	7.5	59	19	17	4.5	8.0	71	19	12	4.5	8.5	91	8	8	5.0	10.5
2.5	64	6	6	7.5	13.5	47	8	9	9.0	14.5	26	16	6	5.0	8.5	26	23	6	5.5	8.5	43	12	10	6.5	10.5	67	5	7	6.5	11.5
5	56	4	4	6.0	11.0	46	7	6	6.5	11.0	27	13	5	5.5	9.5	27	16	7	5.0	9.0	45	8	7	4.5	8.0	60	4	5	5.0	10.0
10	45	3	4	4.0	8.0	39	4	4	5.5	8.5	27	9	6	6.5	10.0	30	7	6	6.0	10.5	45	4	7	4.5	8.0	47	3	5	5.0	8.5
20	24	3	2	2.5	4.5	24	2	2	2.5	4.5	22	4	3	3.0	4.5	24	5	4	3.0	5.5	27	5	4	3.5	6.5	26	5	3	3.0	5.5

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Enkoping, Sweden Lat. 59.5 N Long. 17.3 E Season Winter (Dec. Jan. Feb.) 19 59-60

	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	114	6	4	8.5	12.5	112	5	5	10.5	16.5	92	7	6	10.0	14.0	97	8	7	11.0	13.5	106	7	5	7.0	11.0	112	5	4	7.0	11.0
.246	73	9	6	4.5	8.0	72	7	6	5.0	8.5	66			3.5	6.0											71	7	5	5.0	8.0
.545	65	8	7	4.5	7.5	72	8	8	6.0	10.0	65	10	8	4.0	7.0	66	10	8	3.5	8.0	78	7	9	5.0	9.0	82	7	8	5.0	9.5
2.5	49	6	5	7.0	11.0	45	5	5	5.4	9.0	38	4	5	2.5	4.5	45	5	5	3.0	5.0	44	5	5	4.0	5.5	36	6	5	7.0	11.0
5	49	6	5	5.0	8.0	48	8	4	7.5	12.5	54	6	6	4.5	7.0	27	9	6	4.0	5.5	47	7	7	5.0	8.0	50	5	3	6.5	9.5
10	34	5	4	2.5	4.5	36	6	4	2.0	4.0	38	7	12	5.0	7.0	41	6	6	4.5	8.5	43	7	5	4.5	8.0	39	9	6	2.5	5.0
20	20	1	0	1.0	3.0	22	1	1	1.0	3.0	27	6	4	2.5	4.0	27	6	4	2.5	4.5	23	4	1	1.5	3.5	20	1	1	1.0	3.0

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

USCOMM-NBS-BL

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Front Royal, Virginia Lat. 38.8 N Long. 78.2 W Season Winter (Dec. Jan. Feb.) 19 59-60

	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	103	10	4			98	9	4			89	4	2			90	4	3			97	5	5			104	8	6		
.500	75	12	5			65	11	6			56	4	3			56	4	3			62	7	4			74	10	6		
2.5	54	9	6			49	8	6			30	4	4			28	3	4			44	9	5			53	10	5		
5	52	6	5			48	6	4			30	4	3			29	3	2			46	6	4			52	7	5		
10	38	4	2			36	3	2			34	2	2			33	2	2			43	4	3			42	4	3		
20	22	1	1			24	1	1			25	2	2			26	2	1			27	2	2			22	1	1		

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

USCOMM-NBS-BL

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Kekaha (Kauai) T. H. Lat. 22.0 N Long. 159.7 W Season Winter (Dec. Jan. Feb.) 1959-60

	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	153	3	3	10.5	17.0	154	3	3	10.5	17.0	149	4	2	12.0	18.0	148	4	3	16.0	20.0	147	3	4	13.0	19.5	152	4	3	10.0	16.0
.051	128	4	5	11.5	18.0	128	4	4	11.5	18.5	109	11	6	12.5	18.0	107	11	7	14.0	19.5	106	12	7	11.0	16.0	120	7	6	12.5	19.0
.160	102	7	7	11.0	18.0	97	9	7	11.5	19.0	73	22	10	11.0	17.0	70	22	9	9.5	15.0	79	17	9	9.5	15.0	94	11	8	12.5	19.5
.495	80	10	8	11.0	18.0	72	13	7	9.0	15.0	54	16	7	6.0	9.5	51	16	6	5.0	8.0	60	14	8	5.0	8.5	70	12	8	10.5	16.0
2.5	55	8	5	6.5	11.5	54	8	5	6.5	11.5	36	7	5	3.5	6.0	30	6	4	3.0	5.0	38	10	6	4.0	7.0	52	10	7	7.0	11.5
5	58	6	6	5.5	9.5	49	6	5	5.0	9.0	30	8	5	5.0	8.0	26	6	4	5.0	8.0	39	9	6	5.5	8.5	56	6	5	5.0	9.0
10	40	5	4	3.0	5.5	36	5	3	3.0	5.0	31	6	5	6.0	9.5	24	8	5	7.0	11.5	38	10	5	5.0	8.0	42	3	3	3.5	6.0
20	23	1	1	1.5	3.0	24	2	2	1.5	3.0	22	4	3	4.0	6.5	23	3	3	3.5	6.0	24	4	3	3.5	6.0	24	3	2	2.0	4.5

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

USCOMM-NBS-BL

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Ohira, Japan Lat. 35.6 N Long. 140.5 E Season Winter (Dec. Jan. Feb.) 19 59-60

	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	151	4	2	8.5	13.0	150	3	3	9.0	14.0	146	4	4	12.5	19.0	148	5	4	11.0	17.0	149	4	3	10.5	14.0	151	3	3	9.0	14.5
.051	125	6	4	10.0	16.5	118	8	5	11.0	18.0	107	12	8	11.0	13.0	108	13	7	10.0	14.5	114	11	7	10.0	15.0	124	7	4	9.5	16.0
.160	102	8	6	9.5	15.5	89	13	7	10.0	16.0	80	19	11	6.5	9.5	75	22	9	4.5	8.5	88	17	8	8.5	14.5	102	12	6	9.5	16.0
.545	80	8	8	6.5	12.0	73	9	5	5.0	11.5	70	9	5	5.5	10.0	70	7	4	3.5	6.5	80	10	7	5.0	11.0	90	8	7	6.0	11.5
2.5	50	12	5	5.0	8.0	46	11	5	5.0	9.0	33	10	17	4.0	6.5	33	9	3	5.5	8.0	45	12	5	5.0	8.0	51	12	6	4.5	7.5
5	52	5	5	4.5	8.0	58	7	8	5.0	10.0	34	8	5	6.5	9.5	35	9	6	4.0	6.0	67	6	8	6.0	11.0	67	9	7	6.5	11.5
10	45	10	8	3.5	6.0	37	8	4	3.0	5.0	36	7	6	7.0	9.0	36	8	5	4.5	7.5	48	7	4	4.0	7.0	47	9	8	3.5	7.0
20	24	4	2	1.0	3.0	25	2	2	1.5	3.5	25	7	3	3.0	5.0	26	5	3	2.5	4.5	27	5	2	2.0	4.0	24	4	2	1.5	3.0

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

USCOMM-NBS-BL

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Pretoria, S. Africa Lat. 25.8 S Long. 28.3 E Season Summer(*** Jan. Feb.) 19 59-60

	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	8	7			125	6	6			118	6	9			133	8	7			114	6	8			133	6	6		
.113	111	8	9			100	9	12			91	13	11			112	8	12			117	8	9			114	6	8		
.246	95	6	10			77	11	8			65	23	9			95	11	21			99	8	14			98	6	8		
.545	84	6	9			62	12	7			53	23	4			79	16	13			85	12	17			86	6	6		
**2.5	64	6	6			55	6	6			44	7	7			44	16	16			58	13	13			67	6	4		
**5	52	6	12			44	5	11			23	10	6			28	16	9			50	6	8			54	6	7		
**10	43	5	5			38	5	5			22	9	5			33	8	10			46	5	7			45	4	4		
**20	21	3	1			21	3	1			20	2	0			23	4	2			27	3	3			24	4	2		

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

USCOMM-NBS-BL

RN-14

**No December or January Data.

***No December Data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Rabat, Morocco Lat. 33.9 N Long. 6.8 W Season Winter (Dec. Jan. Feb.) 1959-60

	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	5	4			125	6	6			111	7	8			111	6	9			114	7	8			123	5	5		
.246	95	7	8			90	7	8			78	7	4			78	7	3			82	8	4			92	8	7		
.545	81	9	5			75	10	8			64	18	6			64	21	7			79	8	12			86	5	7		
2.5	55	9	5			54	10	7			36	7	4			34	5	2			45	5	3			55	6	4		
5	53	6	7			50	5	8			30	7	6			25	6	4			45	7	8			53	6	7		
10	42	5	5			40	5	6			35	10	6			33	10	7			45	8	7			46	4	6		
20	26	6	1			27	4	3			35	13	6			36	13	7			39	10	9			31	7	4		

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

USCOMM-NBS-BL

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station São José, Brazil Lat. 23.3 S Long. 45.8 W Season Summer (Dec. Jan. Feb.) 19 59-60

	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	132	7	6	8.5	14.5	126	8	8	9.5	16.0	122	7	13	10.0	16.5	135	9	7	10.0	16.0	138	9	7	9.0	14.5	135	6	6	7.5	14.0
.113	116	8	7	7.0	8.0	104	11	7	6.5	12.0	100	15	8	6.0	10.0	117	14	10	10.0	17.0	121	12	11	10.0	16.0	118	8	7	6.0	12.0
.246	99	11	8	6.0	12.0	83	14	8	6.0	10.5	76	16	7	5.0	9.0	98	17	20	10.0	16.0	102	16	15	9.5	16.5	102	10	7	6.5	13.0
.545	84	10	7	5.5	10.5	76	9	9	6.0	11.0	80	9	6	6.0	10.5	90	12	11	8.0	13.5	90	15	8	7.5	13.5	89	8	6	5.0	9.5
2.5	57	8	6	6.0	11.5	48	10	8	6.0	12.5	34	13	6	6.0	9.0	45	21	16	9.5	14.5	58	16	17	9.0	14.5	62	8	7	5.5	9.0
5	51	7	5	5.5	11.0	47	6	6	7.0	12.5	32	11	6	6.0	10.0	41	15	12	8.5	13.0	54	13	10	5.5	10.0	58	5	9	5.0	8.5
10	44	4	5	5.5	9.5	41	4	8	5.0	9.0	32	7	5	6.0	9.0	37	9	7	6.0	9.5	45	7	2	4.5	8.0	46	4	3	4.0	7.5
20	27	8	3	3.5	5.5	25	8	2	3.0	4.5	25	6	2	4.0	5.5	29	10	4	4.0	6.5	31	10	5	4.0	6.5	30	8	5	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

USCOMM-NBS-BL

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Singapore, Malaya Lat. 1.3 N Long. 103.8 E Season Winter (Dec. Jan. Feb.) 19 59-60

	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	159	4	3			158	3	3			154	4	4			157	5	4			158	4	3			158	4	3		
.051	136	5	4			132	7	5			125	7	7			131	8	6			136	7	6			137	6	4		
.160	115	6	6			106	9	10			96	12	11			105	13	8			112	9	7			116	5	5		
.545	89	6	6			79	7	10			69	8	8			80	13	8			88	10	7			91	4	6		
2.5	62	5	6			55	7	9			32	8	4			34	12	6			52	8	6			61	5	5		
5	58	3	3			53	6	5			29	7	6			29	9	5			52	7	4			59	4	4		
10	45	3	2			40	4	3			25	4	4			29	7	5			44	4	3			46	4	3		
20	25	2	2			24	2	1			22	2	1			24	6	2			26	4	3			27	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 Thule, Greenland Lat. 76.6 N Long. 68.7 W Season Winter (*** *** Feb.) 19 59-60

	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	153	2	6	3.5	5.5	153	2	6	4.5	7.0	153	2	5	4.5	6.0	153	2	6	3.0	6.0	153	2	3	4.5	9.0	153	2	3	4.5	7.0
.051	115	16	4	6.0	9.0	117	19	2	7.0	12.0	117			8.0	11.0	118	6	6	5.0	8.5	118	4	6	7.0	10.0	117	8	5	6.5	10.0
.160	105	4	3	15.5	19.5	106	4	5	15.5	19.0	105	4	5	17.0	20.5	106	4	4	15.0	20.0	105	4	2	14.0	17.0	105	4	3	16.0	19.0
.495	87			10.5	14.5	87			9.5	14.0	88			10.0	13.5	91			7.5	11.5	88			11.0	14.0	86			12.0	15.0
2.5	68			10.5	14.0	68			12.0	16.0	70			9.0	12.0	70					70			15.5	20.0	67			14.0	18.5
5	54			6.5	9.0	54			13.5	19.5	54			19.5	24.5	56					56			9.5	12.5	53			12.0	15.5
10	35			4.0	6.5	37			5.5	6.5	38			5.0	7.0	34			3.0	4.5	35			4.0	6.0	34			7.5	11.0
20	33			12.0	15.5	34			11.0	14.5	34			11.5	15.5	34			6.0	10.0	34			8.0	11.0	34			6.0	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

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***No December and January 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