NBS

Technical Note

No. 18-11

Boulder Laboratories

QUARTERLY RADIO NOISE DATA

JUNE, JULY, AUGUST 1961

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

U. S. DEPARTMENT OF COMMERCE
NATIONAL BUREAU OF STANDARDS

THE NATIONAL BUREAU OF STANDARDS

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NATIONAL BUREAU OF STANDARDS

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November 16, 1961

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

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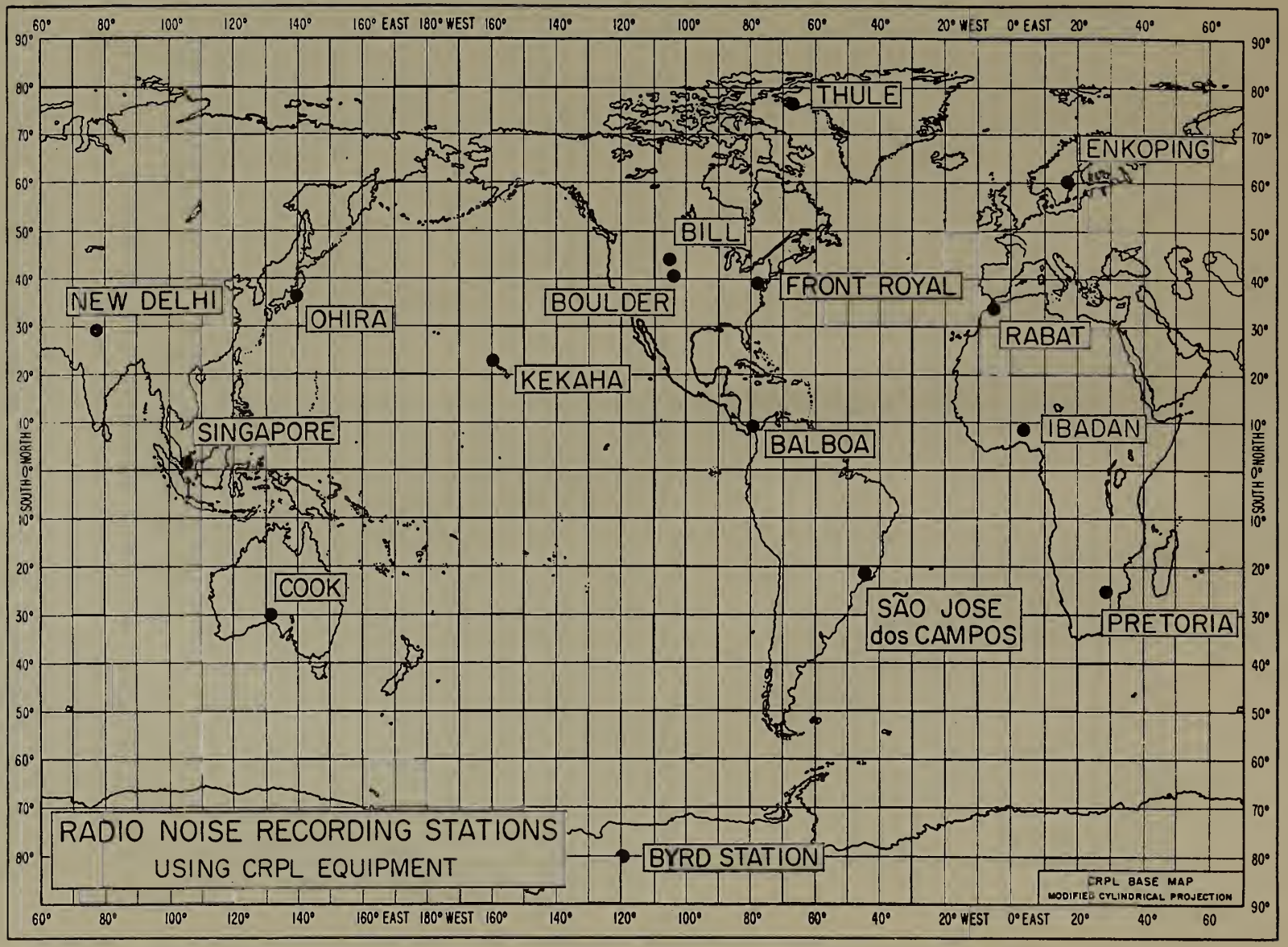
Radio Noise Recording Station

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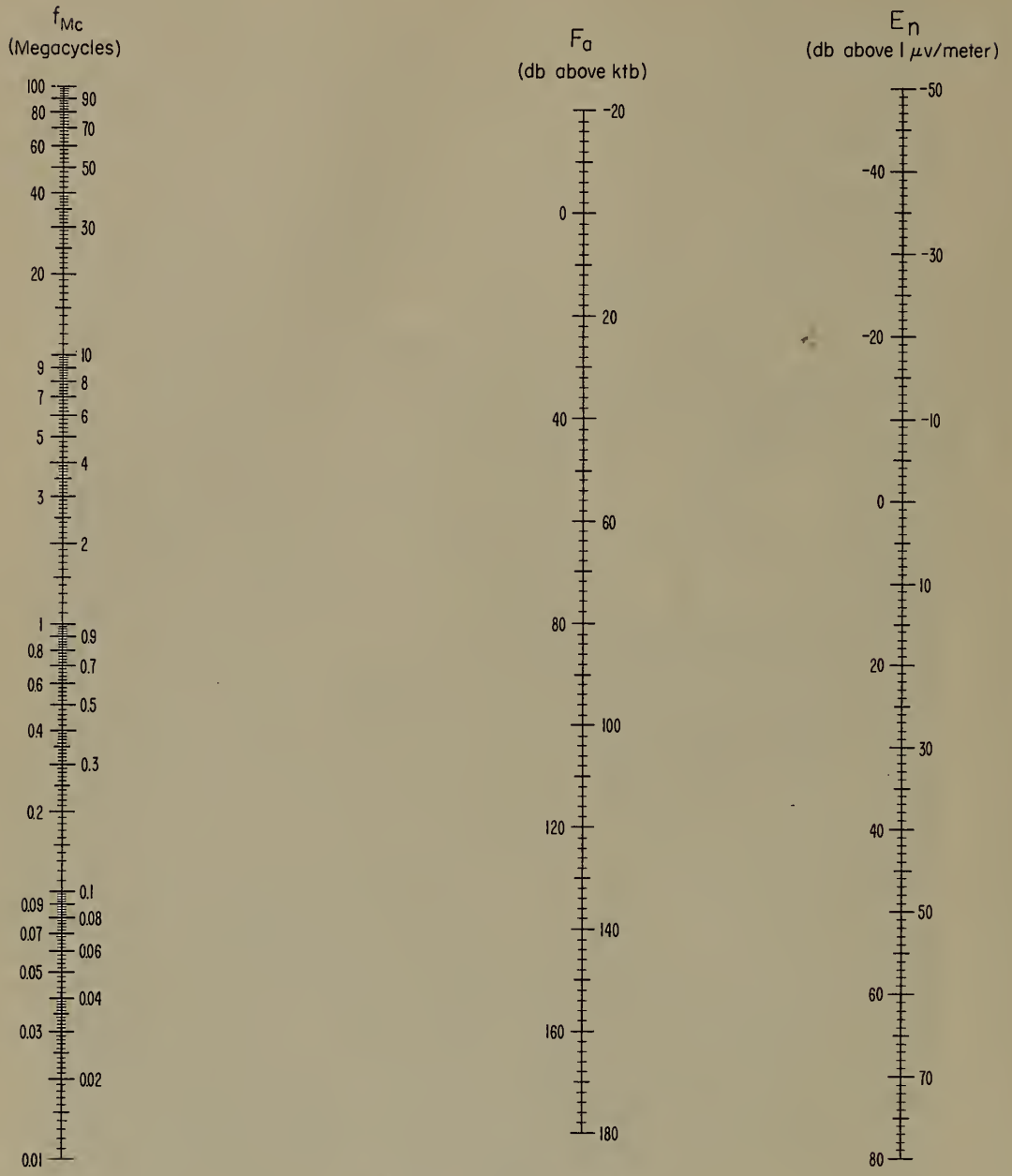
dos CAMPOS
PRETORIA
BYRD STATION
RADIO NOISE RECORDING STATIONS
USING CRPL EQUIPMENT
CRPL BASE MAP
MODIFIED CYLINDRICAL PROJECTION

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

June, July, August 1961

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

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

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

b = Bandwidth in cycles per second.

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

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

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

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

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

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

where

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

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

The nomogram given may be used for this conversion.

The values presented in the tables reflect the actual measured radio noise; in some instances the atmospheric noise level may be contaminated by man-made noise or station interference. The parameter that will first reflect any such contamination will be the logarithmic parameter, L_d. This contamination generally will cause the value of L_d to be less than it would have been, had the recorded value been only atmospheric noise. In determining the amplitude-probability distribution from the three measured moments [10], contaminated values of L_d may be found that will not give a solution of the amplitude-probability distribution. When this occurs, it is suggested that the measured value of L_d be ignored and the most probable value of L_d from the curve on the graph of L_d vs. V_d be used. The most probable value has been determined as the best fit for the integrated moments from over sixty measured amplitude-probability distributions of uncontaminated atmospheric radio noise. The second curve on the graph indicates the minimum value of L_d that will give an amplitude-probability distribution by the method in reference 10, and

can therefore be used to determine whether the measured value or the most probable value of L_d for any value of V_d should be used.

Station clocks are set to a local standard time (LST) which is taken from the time zone in which the station is located and is always an integral number of hours different than universal or Greenwich time (see table on page 5).

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

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

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

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

Postmaster General's Department (Australia) - Cook

Board of Telecommunications (Sweden) - Enkoping

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

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

Radio Research Laboratories (Japan) - Ohira

Telecommunications Research Laboratory (South Africa) - Pretoria

Institut Scientifique Chérifien (Morocco) - Rabat

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

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

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

The following publications contain additional information on radio noise:

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

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

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

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

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

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

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

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

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

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

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

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

Station		Time Zone	To Convert LST to GMT (hours)
Balboa	June July August 1961	75 W	+05
	Correction sheet for April 1961		
Bill	July 1961	105 W	+07
Boulder	June July August 1961	105 W	+07
Byrd Station	June July August 1961	120 W	+08
Cook	June July August 1961	135 E	-09
Enkoping	June July August 1961	15 E	-01
Front Royal	June July August 1961	75 W	+05
Kekaha	June July August 1961	150 W	+10
New Delhi	June 1961	75 E	-05
Ohira	June July August 1961	135 E	-09
Pretoria	June July August 1961	30 E	-02
Rabat	June July 1961	GMT	0
São José dos Campos	June August 1961	45 W	+03
	February 1961		
Singapore	June July August 1961	105 E	-07

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

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

18-2 March, April, May 1959

18-3 June, July, August 1959

18-4 September, October, November 1959

18-5 December, January, February 1959-60

18-6 March, April, May 1960

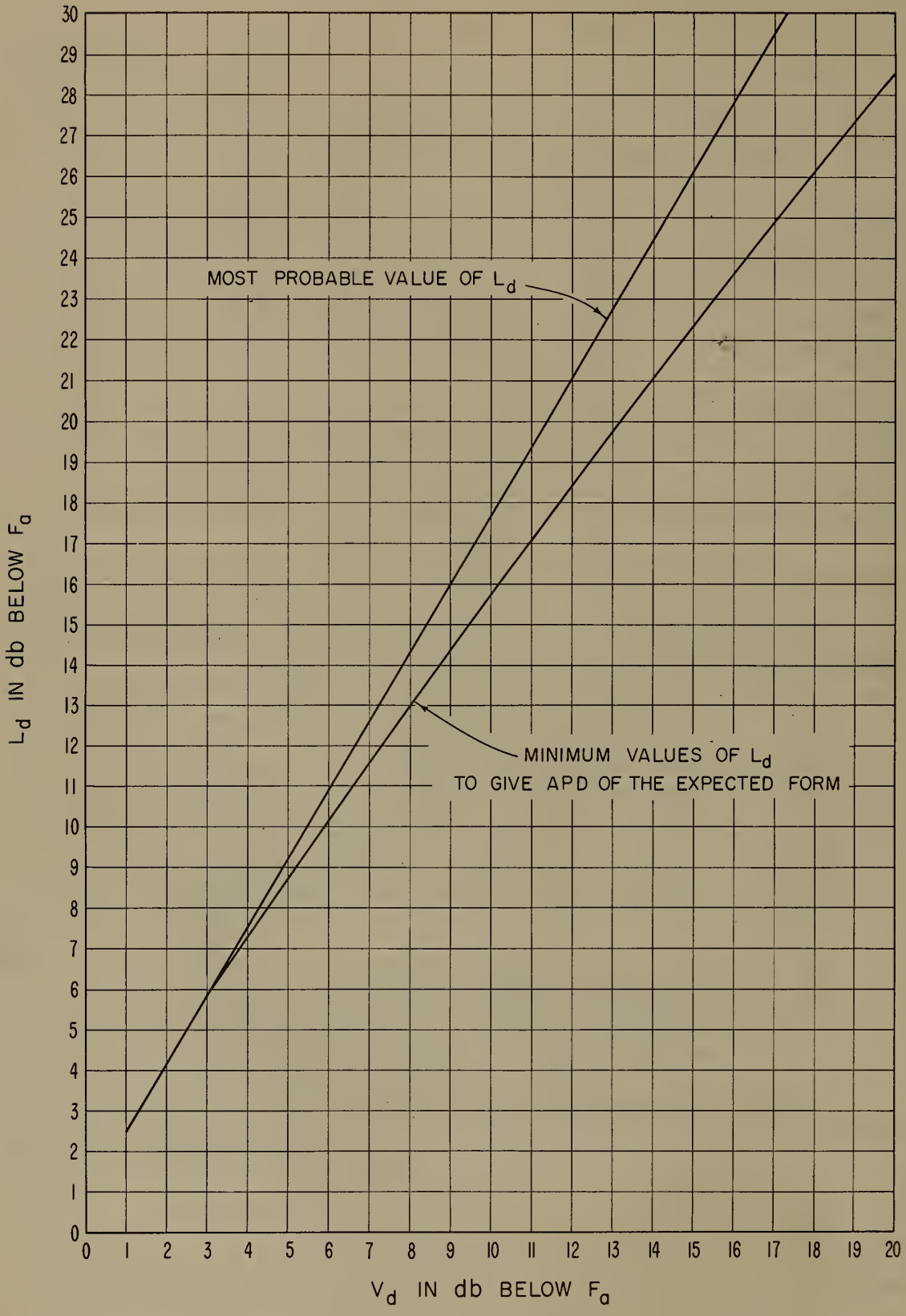
18-7 June, July, August 1960

18-8 September, October, November 1960

18-9 December, January, February 1960-61

18-10 March, April, May 1961

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 April   19 61

Frequency (Mc)

Hour (LST)	.013 Fam	.013 Du	.013 Dℓ	.013 Vdm	.013 Ldm	.051 Fam	.051 Du	.051 Dℓ	.051 Vdm	.051 Ldm	.160 Fam	.160 Du	.160 Dℓ	.160 Vdm	.160 Ldm	.495 Fam	.495 Du	.495 Dℓ	.495 Vdm	.495 Ldm
00	158	6	4	11.0	17.0	138	6	4	9.5	14.0	117	6	3	8.0	13.5	99	6	6	6.5	12.0
01	158	5	3	12.5	16.5	138	6	5	10.5	16.0	119	5	5	9.0	13.0	99	6	6	6.5	11.0
02	158	5	4	10.0	17.0	138	6	5	10.0	15.0	119	5	7	8.0	13.5	99	6	8	8.0	13.0
03	160	4	5	11.0	16.0	140	4	6	9.5	16.5	119	4	7	7.0	13.0	97	6	6	7.0	13.5
04	162	2	6	12.0	18.0	138	6	2	11.0	16.5	118	5	7	7.5	13.0	99	4	8	6.0	10.5
05	162	2	6	11.0	17.0	140	4	8	10.5	16.0	117	4	11	11.0	17.5	93	6	8	*11.0	*18.5
06	160	2	6	10.0	15.5	136	8	10	12.5	18.5	113	8	25	13.5	21.5	91	10	21	13.5	21.0
07	158	4	4	11.0	16.0	134	6	4	13.5	20.0	113	6	28	13.0	20.5	93	6	20	*9.0	*15.5
08	158	4	6	11.5	18.0	132	8	19	13.5	19.5	111	7	18	15.0	21.0	87	10	16	11.5	19.0
09	158	6	7	13.0	17.5	130	10	12	13.5	20.5	110	8	19	15.0	23.0	89	6	17	*12.0	*19.5
10	158	4	6	11.5	16.0	132	6	10	13.0	19.5	108	10	16	*16.5	*21.5	85	14	14	*9.5	*16.5
11	158	4	6	11.0	16.5	132	10	8	12.0	19.0	109	10	18	14.0	20.0	87	12	22	*8.5	*15.0
12	160	4	4	10.5	14.5	132	20	6	11.0	17.5	108	22	16	12.0	21.0	87	23	20	*12.0	*20.5
13	160	5	2	9.0	15.0	135	11	7	10.0	14.5	110	21	14	12.0	16.5	89	22	22	11.5	20.0
14	161	5	3	11.0	16.5	134	14	6	11.0	16.0	113	17	15	11.5	18.0	93	16	19	*10.5	*17.0
15	162	4	4	9.5	14.5	134	12	4	10.0	16.0	108	17	9	10.5	17.0	89	20	18	10.5	18.0
16	162	6	3	9.5	15.0	134	12	5	10.0	16.0	111	12	13	10.5	17.0	87	17	15	*10.5	*17.5
17	160	4	2	10.0	16.0	134	7	8	10.0	16.0	110	9	15	12.0	19.0	87	14	14	9.5	16.0
18	160	2	5	10.5	15.5	133	9	7	10.0	16.5	113	7	7	9.0	14.5	97	6	11	6.0	10.0
19	160	2	5	11.0	16.0	136	6	5	10.0	16.0	117	6	5	7.5	12.5	99	6	8	6.5	11.0
20	160	3	4	12.0	17.0	138	4	4	9.5	14.5	117	4	5	6.0	11.0	99	6	6	6.0	10.5
21	158	4	3	9.5	15.0	138	3	4	9.0	14.0	117	4	6	6.5	12.0	97	6	4	6.0	11.0
22	158	4	3	10.0	15.5	138	3	4	8.5	13.0	117	5	4	7.0	12.0	97	6	4	6.0	10.0
23	158	4	2	11.0	17.0	136	6	2	10.0	15.0	117	6	5	8.5	13.5	97	8	4	6.5	11.5

Hour (LST)	2.5 Fam	2.5 Du	2.5 Dℓ	2.5 Vdm	2.5 Ldm	5 Fam	5 Du	5 Dℓ	5 Vdm	5 Ldm	10 Fam	10 Du	10 Dℓ	10 Vdm	10 Ldm	20* Fam	20* Du	20* Dℓ	20* Vdm	20* Ldm
00	65	8	4	5.5	10.0	50	3	4	*5.0	*9.0	38	5	2	*6.0	*9.0	25	3	2	2.0	2.5
01	67	6	4	5.0	9.0	50	3	2	5.5	9.0	37	5	3	*4.0	*7.0	25	1	2	1.5	2.0
02	67	6	4	5.0	9.5	50	2	2	5.0	8.5	36	4	6	*4.0	*7.0	25	0	2	1.0	2.0
03	69	5	4	*5.0	*9.0	50	3	2	*5.0	*8.0	34	5	7	4.5	6.5	23	2	0	1.5	2.5
04	69	5	3	6.5	11.5	50	2	4	5.5	8.5	34	6	8	4.0	6.0	23	2	0	1.0	1.5
05	69	4	4	6.0	12.0	50	2	6	5.0	8.0	32	4	6	5.0	7.0	23	2	0	1.5	2.5
06	62	7	9	8.5	14.0	46	4	4	*5.5	*8.5	36	4	4	*3.0	*5.0	23	4	0	2.0	3.0
07	52	7	11	*7.5	*14.0	38	8	6	*7.0	*12.0	34	2	4	4.0	6.0	25	4	2	*1.5	*2.0
08	46	9	13	*6.0	*9.0	32	8	8	*9.0	*14.5	28	6	4	*7.0	*10.0	25	2	2	*2.0	*3.0
09	39	15	6	*6.0	*7.0	26	14	13	*7.0	*12.0	26	10	8	*8.0	*13.0	27	3	4	*3.0	*4.0
10	41	8	7	*4.0	*6.0	22	9	10			22	6	4	*7.0	*11.0	25	2	2	*3.0	*4.0
11	37	18	6	*2.0	*5.0	20	18	12	*6.0	*10.0	22	8	8	7.5	11.5	25	4	2	3.0	5.0
12	43	14	12	*3.0	*5.0	18	27	10	*5.0	*5.5	22	10	6	*6.0	*9.0	27	9	4	*3.0	*4.0
13	39	26	8	*2.5	*4.0	18	22	8	*6.0	*8.0	26	13	6	*7.5	*10.5	27	9	2	*2.5	*3.5
14	41	33	10	*2.5	*4.0	26	24	12	*6.0	*9.0	26	8	4	*5.0	*7.5	29	5	2	3.0	4.5
15	45	28	13	*4.0	*6.0	28	19	8	*6.0	*9.0	32	4	4	5.5	8.0	29	4	2	*4.0	*5.5
16	41	28	8	*4.0	*5.5	34	9	9	*5.0	*8.0	34	4	3	*4.0	*7.0	29	4	2	*3.5	*5.0
17	50	11	7	6.0	9.0	42	4	6	*5.0	*8.0	36	3	1	*5.0	*7.0	31	0	3	3.0	4.5
18	59	5	7	*4.5	*8.0	48	2	4	*3.0	*5.5	40	2	2	*4.5	*7.5	29	3	2	*3.5	*5.0
19	65	4	6	5.5	8.5	50	2	2	*5.0	*7.0	40	2	2	*4.5	*7.0	27	2	2	3.5	5.0
20	65	4	4	4.5	7.5	52	2	4	*4.5	*7.0	40	2	2	*4.5	*8.0	25	4	2	4.0	5.0
21	65	4	3	*4.0	*6.0	52	2	2	*5.0	*7.0	40	2	4	*5.0	*9.0	25	5	2	3.0	4.5
22	65	6	3	5.0	9.0	50	2	2	*5.0	*8.0	40	3	4	*5.0	*8.0	25	4	2	3.0	4.0
23	67	5	2	5.0	8.5	50	2	4	*4.5	*7.0	40	2	5	*5.5	*9.0	25	4	1	2.5	4.0

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

Corrected Sheet - F_{am} on 20 Mc/s was in error.

MONTH-HOUR VALUES OF RADIO NOISE

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

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fom	Du	Dℓ	Vdm*	Ldm*	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	163	6	4	10.5	17.0	145	7	5	8.5	14.0	126	6	6	9.5	15.5	106	6	6	6.5	10.0	71	5	7	5.0	10.0	62	2	5	3.0	7.0	49	4	4	3.5	7.0	26	4	4	3.5	5.5
01	163	6	2	11.5	18.5	147	7	15	9.0	15.0	128	6	10	10.0	17.0	106	6	6	7.0	13.0	71	6	6	5.5	11.5	62	2	4	5.0	7.5	47	4	3	4.0	7.0	26	6	4	3.5	5.0
02	165	4	4	11.0	17.0	147	6	6	9.0	16.0	127	7	7	7.5	13.5	108	6	10	8.5	13.5	71	5	5	5.0	10.0	62	4	4	5.5	9.0	47	5	3	4.5	7.5	26	7	4	4.5	6.5
03	165	6	6	11.0	18.5	147	7	6	9.5	15.5	128	8	8	8.0	13.5	107	7	9	7.0	14.0	73	5	7	8.0	14.0	62	4	4	5.0	9.0	45	6	3	5.0	9.5	24	11	2	4.0	5.5
04	165	6	6	10.5	17.0	149	5	8	9.5	15.0	129	7	9	8.5	13.5	106	8	8	6.5	13.0	73	5	7	4.5	8.5	62	4	4	5.0	8.0	47	4	5	5.5	9.0	24	8	2	4.0	6.5
05	163	8	2	11.5	18.5	149	6	19	11.0	19.0	127	9	12	9.0	15.5	106	9	14	7.0	13.0	73	5	7	6.0	11.0	62	4	4	5.0	9.0	47	2	5	5.0	8.0	24	11	2	4.0	5.5
06	163	6	4	11.0	17.0	149	7	12	11.0	17.0	126	8	8	8.0	16.0	105	10	18	8.0	16.5	67	9	12	7.5	15.0	58	8	6	7.0	12.5	45	6	4	6.0	10.5	26	12	4	5.5	8.5
07	163	8	6	11.5	18.0	*145			11.0	17.5	124	11	13	15.5	22.0	*96			7.0	14.5	63	13	7	10.0	17.5	54	10	6	8.5	16.0	43	8	2	8.0	14.0	26	10	4		
08	162	8	7	12.0	18.0	*148			11.5	18.0	122	12	15	11.0	18.5	97	15	11			55	15	14			50	10	8	11.5	17.5	41	14	2	5.0	9.0	26	10	4	3.0	5.5
09	161	8	4	13.0	18.0	145	8	14	11.5	18.0	122	12	15	11.5	19.0	94	16	12	10.5	18.0	49	19	9	3.0	6.5	46	12	8	11.0	16.5	41	7	4	11.0	17.0	26	8	4	4.5	6.0
10	161	7	3	12.0	18.5	143	10	16	11.0	18.0	123	9	21	11.0	18.0	98	10	27	10.0	17.5	59	8	17	2.0	7.0	44	10	12	10.0	18.5	39	6	8	8.5	14.0	26	7	4	3.5	5.0
11	161	6	9	12.0	18.5	143	8	9	12.5	19.5	118	11	12	10.0	17.0	96	13	25	12.0	19.5	49	14	8	3.0	7.0	40	12	8	7.5	14.0	36	7	5	8.5	13.5	24	8	2	3.5	6.0
12	161	5	4	11.5	18.5	140	12	21	12.0	18.5	119	4	20	10.0	18.0	98	23	25	12.0	19.0	53	15	16			44	14	13			37	9	5	6.5	10.5	28	14	6	7.0	12.0
13	163	9	4	11.0	16.0	147	10	12	8.5	14.0	124	12	12	13.0	20.0	107	13	22	13.0	11.0	51	32	10	9.5	17.5	44	27	10			37	22	2	8.5	13.0	32	11	8	5.0	8.5
14	164	7	3	10.0	15.5	149	8	8	11.0	18.0	128	12	12	12.0	18.0	108	14	15	12.0	20.0	61	23	14	8.0	15.5	50	26	9	4.5	8.0	43	20	6	8.0	14.0	30	14	2	9.0	15.0
15	165	10	4	10.0	15.5	147	11	10	11.0	18.0	128	10	9	11.0	18.0	110	8	12	10.5	18.5	63	27	19	12.0	16.0	55	21	13	7.5	14.0	44	15	5	6.5	12.0	32	10	4	6.0	10.0
16	165	6	2	9.0	14.5	145	8	7	7.5	14.5	126	10	14	11.0	18.0	106	9	15	10.5	18.0	61	20	8	11.5	13.0	54	8	6	11.5	17.0	45	9	4	5.0	9.0	32	10	3	4.0	6.5
17	165	4	4	8.0	13.0	145	6	6	8.0	12.5	124	8	8	11.5	18.0	100	12	13	10.5	18.5	59	19	6	5.5	9.0	56	12	4	6.5	15.0	47	7	4	4.5	7.0	30	7	3	4.0	6.5
18	163	6	4	8.5	13.5	145	6	14	11.0	16.5	124	6	8	10.5	17.0	104	4	14	10.0	17.0	65	10	7	4.5	9.5	62	12	7	5.0	12.0	49	1	3	4.0	7.0	30	4	4	4.0	7.0
19	161	4	2	9.5	15.0	145	4	6	8.0	14.0	124	4	6	8.0	13.0	102	6	9	7.5	14.0	71	4	8	5.0	10.0	62	5	4	3.5	7.0	49	3	4	3.0	5.0	28	6	3	3.0	5.5
20	164	3	3	9.5	15.5	143	6	4	9.0	15.0	124	4	6	9.0	13.0	102	8	13	6.0	12.0	71	5	8	5.5	10.0	64	4	4	2.5	4.0	49	2	3	2.0	4.5	28	2	4	4.0	6.0
21	164	3	5	8.5	15.0	145	4	7	8.0	13.5	124	10	4	7.0	12.0	102	8	4	7.0	12.0	71	5	6	5.0	9.5	64	4	6	3.0	4.5	49	3	4	1.5	4.0	25	5	2	2.0	4.0
22	163	6	2	10.0	16.0	145	4	23	9.0	14.0	124	8	6	7.0	11.0	104	6	4	7.0	12.5	71	4	8	4.5	9.0	62	4	6	3.5	7.0	48	3	3	4.5	7.5	24	5	2	3.5	5.5
23	163	5	4	10.0	15.5	144	7	14	8.0	13.0	125	7	5	7.0	12.5	102	9	4	7.0	13.5	71	5	9	5.0	9.5	60	4	3	3.5	6.5	49	4	4	3.0	5.5	25	8	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

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013 Fom	Du	Dℓ	Vdm	Ldm	.051 Fom	Du	Dℓ	Vdm	Ldm	.160 Fom	Du	Dℓ	Vdm	Ldm	.495 Fom	Du	Dℓ	Vdm	Ldm
00	169	4	6	13.0	18.5	149	5	9	12.0	16.0	131	4	7	9.5	15.0	104	9	4	9.0	14.0
01	169	4	6	13.0	19.0	150	5	8	11.0	16.5	131	8	7	11.0	15.0	108	7	7	10.0	15.5
02	169	6	6	13.5	18.5	150	4	7	12.0	17.5	131	6	7	11.0	16.0	109	5	10	11.0	15.0
03	169	4	4	13.5	19.0	149	5	6	12.5	17.5	132	5	7	10.5	16.0	110	6	10	10.5	16.0
04	167	4	4	15.0	19.0	149	6	8	13.5	18.5	132	4	8	11.0	17.0	108	8	8	11.0	16.5
05	167	8	4	14.0	20.0	149	6	5	14.0	19.0	129	9	9	12.5	18.5	106	8	8	13.0	20.0
06	167	6	4	14.0	21.0	147	4	13	14.5	21.0	129	6	12	13.5	20.0	104	10	17	13.5	20.0
07	167	7	4	14.0	20.5	147	4	7	15.5	22.0	127	10	15	16.0	24.0	102	14	12	13.0	18.5
08	167	9	7	14.0	20.0	147	8	32	14.5	20.5	129	8	18	15.0	21.0	102	12	24	13.5	21.0
09	167	6	4	17.0	20.5	146	9	15	16.0	21.5	127	11	11	16.0	22.0	102	11	22	13.0	18.5
10	165	9	5	14.5	19.0	145	6	15	12.5	19.0	127	8	16	13.0	19.5	102	10	22	12.0	19.0
11	165	5	4	13.0	18.5	145	6	24	15.0	19.5	124	11	13	13.0	19.5	98	12	14	11.0	17.5
12	166	5	5	12.0	18.0	144	9	16	12.5	21.5	127	10	14	14.0	20.0	102	15	24	14.5	21.0
13	167	6	4	13.0	17.5	145	17	13	13.5	18.0	128	15	12	14.0	20.5	103	22	18	12.0	19.0
14	169	8	6	12.0	16.0	147	16	15	12.0	16.5	129	12	14	13.0	19.0	115			12.0	19.0
15	171	4	6	11.0	15.0	150	11	10	12.5	17.0	127	18	8	12.0	19.5	102	19	17	12.0	19.0
16	169	6	4	10.0	14.0	149	12	8	12.0	17.5	126	13	10	13.0	20.0	106	12	19	12.0	20.0
17	169	4	5	9.0	12.5	145	10	6	12.5	15.0	125	16	8	13.0	19.0	100	14	16	12.5	19.5
18	167	5	4	10.0	13.5	143	10	16	10.5	16.0	123	12	6	10.5	16.0	103	7	15	10.0	14.5
19	165	3	4	9.5	14.5	144	5	23	10.0	15.5	129	5	8	9.5	15.0	102	12	8	8.0	14.0
20	165	6	4	11.0	16.0	147	5	8	11.0	16.0	127	9	6	9.0	14.0	105	11	5	10.5	15.0
21	169	4	6	10.5	16.0	146	7	20	9.5	14.5	129	6	8	8.5	13.0	106	8	6	8.0	13.5
22	167	6	4	11.0	16.0	147	6	6	10.0	14.0	129	6	7	9.0	13.0	108	5	7	8.0	13.0
23	167	6	4	13.0	17.0	147	6	6	11.0	16.0	131	4	9	9.5	14.0	108	4	7	8.0	12.5

Hour (LST)	2.5 Fom	Du	Dℓ	Vdm	Ldm	5 Fom	Du	Dℓ	Vdm	Ldm	10 Fom	Du	Dℓ	Vdm	Ldm	20 Fom	Du	Dℓ	Vdm	Ldm
00	73	4	4	4.5	10.0	62	4	6	3.0	8.0	48	6	7	4.0	6.0	25	4	4	2.0	4.0
01	73	4	5	6.0	11.5	64	0	8	4.0	8.0	48	4	6	3.5	9.0	25	2	4	1.5	4.0
02	73	5	9	6.0	11.5	62	2	4	4.5	8.5	46	6	6	5.0	8.5	24	7	3	2.0	4.0
03	73	4	9	5.0	12.0	64	2	6	4.0	9.0	46	5	6	5.0	10.0	25	2	4	2.5	5.5
04	75	2	9	5.0	11.5	62	4	8	4.5	8.5	44	9	7	5.5	10.0	25	6	6	2.0	5.5
05	73	6	11	7.5	12.5	62	4	14	5.0	10.0	44	9	10	3.5	10.0	23	7	3	2.5	5.0
06	67	8	12	2.0	15.0	57	4	13	5.5	11.0	44	8	13	5.5	11.5	24	7	4	2.0	3.5
07	61	14	19	10.0	17.0	51	8	8	8.0	14.0	40	8	6	7.0	12.0	23	8	4	2.0	5.5
08	55	18	8	7.5	13.0	48	16	10	9.0	16.0	38	12	8	6.0	11.0	24	10	5	2.0	5.0
09	60			5.0	9.5	50	10	14	9.0	16.0	37			6.0	11.0	23	7	4	2.0	5.0
10	50	16	11	6.0	10.0	36	16	13	10.0	16.0	33	7	5	7.0	11.0	25	2	6	2.0	4.0
11	46	22	11	8.0	12.0	40	8	14			34	6	5	9.0	14.0	23	6	4	3.0	5.0
12	50	20	8	9.0	14.5	36	22	7	10.0	15.0	36	4	7	9.0	13.5	25	10	5	4.0	6.5
13	53	32	13	4.5	10.0	42	25	12	10.0	14.5	39	18	6	8.0	12.0	27	12	4	5.0	10.0
14	52	35	10	10.0	17.5	44	34	12	10.5	17.0	46	13	14	9.0	12.0	29	11	6	4.0	7.0
15	67	23	13	10.0	15.0	48	21	10	8.5	13.0	44	18	6	9.0	11.5	31	9	6	4.5	7.5
16	65	23	21	7.5	16.0	54	18	14	11.0	16.0	46	13	5	5.5	10.0	31	6	4	3.5	6.5
17	63	12	16	8.0	13.0	60	9	14	6.5	9.0	50	2	9	4.0	8.0	32	3	5	3.0	7.0
18	65	6	11	6.5	12.5	66	8	6	4.0	10.0	50	3	7	3.5	8.5	31	2	8	3.0	6.0
19	73	3	7	5.5	12.5	64	7	5	5.0	9.0	50	6	4	4.0	6.5	28	3	3	3.0	5.0
20	73	2	6	3.5	7.5	66	7	8			50	5	8	4.0	7.0	27	6	2	2.5	6.0
21	74	3	6	5.0	10.0	65	7	8	3.0	8.5	49	5	10	4.0	9.0	27	4	4	2.0	4.5
22	73	4	10	5.0	11.0	64	4	5	3.5	6.0	50	6	7	3.0	7.5	25	6	2	2.0	5.0
23	73	4	2	4.5	10.5	62	4	2	3.0	8.0	50	4	7	4.0	8.5	27	2	4	2.0	5.0

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					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	Fom	Du	Dℓ	Vdm	Ldm
00	168	6	4	10.0	16.0	149	6	6	9.5	14.0	131	6	7	8.5	13.0	106	10	4	7.0	12.0	73	6	5	5.5	9.0	65	3	3	4.0	7.0	49	6	8	*5.0	*7.0	26	7	2	2.5	3.0
01	168	5	4	10.0	15.0	149	4	6	9.0	15.0	131	4	6	7.5	12.0	106	8	4	7.0	12.5	73	5	3	5.0	8.5	65	2	2	4.0	7.0	50	3	5	4.5	8.0	26	4	4	3.0	4.5
02	170	2	6	10.5	16.0	151	6	6	9.5	14.5	133	4	8	7.0	11.5	108	6	8	*7.0	*12.0	75	3	4	5.5	8.0	65	3	2	4.0	7.0	49	4	6	*6.0	*9.0	26	4	4	3.5	4.5
03	170	3	5	*11.0	*16.5	151	6	6	10.0	16.0	133	4	6	8.5	13.5	108	4	6	8.5	14.0	75	4	4	5.0	8.5	65	3	2	4.5	7.5	47	4	4	*5.5	*8.5	26	5	4	3.5	5.0
04	170	4	4	12.0	17.0	150	5	7	8.5	15.0	133	4	6	9.5	15.0	108	6	8	9.0	14.5	77	2	4	5.5	9.0	66	2	3	4.5	8.0	47	6	7	5.0	8.0	26	3	3	3.5	5.0
05	170	4	4	10.5	16.0	151	2	8	9.5	15.0	133	4	6	9.5	15.0	108	6	8	*9.0	*15.0	77	3	4	5.5	9.5	65	2	4	5.0	8.0	45	10	10	*5.5	*8.5	25	5	3	3.0	5.0
06	170	2	5	12.0	17.5	147	4	8	12.0	17.5	131	4	6	12.0	19.0	108	4	10	*10.5	*17.0	71	7	4	*8.0	*12.0	61	4	4	5.5	8.0	46	9	5	*5.0	*8.0	26	6	3	3.5	6.0
07	168	4	4	13.0	19.0	148	3	7	13.0	19.0	129	6	6	12.0	18.5	106	4	10	*12.5	*21.0	67	5	6	*8.0	*13.0	55	8	2	*8.0	*12.0	43	4	6	*6.0	*10.5	26	3	2	*3.0	*5.0
08	167	3	3	13.5	19.0	145	4	4	14.0	21.0	129	6	6	12.5	20.0	106	4	19	*11.0	*18.0	61	6	10	*7.5	*12.0	51	6	4	*9.0	*14.0	39	4	6	*7.0	*10.5	26	3	2	*3.0	*5.0
09	168	2	4	14.5	20.5	145	6	5	*14.5	*20.5	127	7	2	13.0	20.0	106	6	18	*11.0	*19.0	57	8	8	*6.5	*11.5	49	8	6	*8.0	*12.5	37	6	8	*6.0	*10.0	26	4	2	*5.0	*7.0
10	166	6	4	13.5	19.0	145	6	8	13.5	20.0	127	6	10	*13.0	*20.0	102	9	11	*13.0	*20.0	55	10	10	*7.5	*11.0	43	11	4	*8.0	*13.0	35	8	6	*6.5	*10.0	26	2	4	*3.5	*5.0
11	166	4	4	*13.0	*19.5	143	6	8	13.5	19.0	127	7	10	13.0	21.0	102	10	18	*11.0	*18.5	51	14	6	*8.0	*12.5	42	13	7	*9.0	*14.5	35	4	4	*7.0	*11.0	25	5	1	3.5	5.5
12	166	6	4	11.5	18.0	145	8	10	11.5	19.0	129	8	12	13.0	20.0	108	8	28	*12.0	*20.0	51	20	10	*7.5	*11.0	40	23	9	*8.0	*13.5	38	11	9	*7.5	*11.0	28	8	4	3.5	5.5
13	168	4	6	10.5	15.5	147	6	10	10.0	15.0	130	9	15	12.0	18.5	107	13	22	*14.0	*23.0	61	17	18	*7.5	*12.5	45	24	12	*7.0	*12.0	41	12	6	7.5	11.0	32	7	6	5.0	7.0
14	170	6	3	11.0	15.0	148	11	10	10.5	16.0	131	10	16	*12.0	*18.5	108	14	20	*12.0	*20.0	72	17	29	*9.0	*14.0	54	19	19	*9.5	*16.0	43	14	6	7.5	10.0	32	11	4	5.0	7.0
15	170	7	4	10.0	14.0	148	12	9	11.0	15.0	133	9	17	11.0	17.0	110	10	18	11.0	18.0	67	21	24	*8.5	*13.5	51	22	12	*8.0	*13.0	45	15	6	*5.5	*9.0	34	10	6	3.5	5.5
16	170	6	4	9.0	13.0	149	6	11	10.5	15.0	131	8	16	11.0	18.0	108	7	16	12.0	19.5	70	14	24	*9.0	*13.5	59	10	12	*7.0	*10.0	47	6	5	5.0	7.5	34	6	4	4.0	7.5
17	168	6	4	9.0	13.0	147	6	12	9.0	13.0	128	8	13	11.0	18.0	100	14	8	*9.5	*15.0	65	13	17	*5.5	*9.5	61	9	8	*5.5	*10.0	49	6	4	5.0	8.0	34	4	4	4.0	6.5
18	168	2	4	9.0	14.0	147	4	13	10.0	15.0	127	8	10	11.0	16.5	102	10	10	8.0	12.5	65	10	6	*6.0	*9.5	67	9	4	*4.0	*8.0	51	2	4	*3.5	*5.0	32	3	5	3.0	5.5
19	166	6	4	9.0	13.5	145	6	8	9.5	14.0	127	8	5	8.0	12.0	102	7	7	6.0	10.5	73	9	6	4.5	7.0	69	8	4	4.0	8.0	53	1	6	4.5	7.0	30	4	4	4.0	6.0
20	168	4	4	9.5	14.5	145	8	5	8.5	12.5	127	8	4	6.0	11.0	106	9	7	7.0	9.5	73	5	4	4.5	8.0	67	9	2	*3.5	*6.0	51	4	5	4.0	7.5	26	8	3	3.0	4.5
21	166	6	2	9.5	14.5	145	11	6	9.0	13.0	129	7	8	7.0	12.0	105	10	7	5.0	10.0	73	6	5	4.0	7.5	67	6	4	*3.0	*6.5	51	2	7	*4.0	*7.0	26	4	4	2.5	4.0
22	166	6	4	9.5	15.0	147	7	8	*9.5	*14.0	129	8	6	7.5	12.5	104	10	4	6.0	10.0	73	4	5	4.5	8.0	65	4	3	*3.0	*6.0	49	4	6	*4.0	*7.5	25	9	3	3.0	4.5
23	166	8	4	11.0	16.5	147	7	6	9.0	14.0	129	8	6	8.0	12.5	106	10	6	7.0	11.5	73	2	4	5.5	8.5	63	4	2	4.0	7.0	51	2	10	*5.0	*8.5	26	5	4	2.0	3.5

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

Frequency (Mc)

Hour (LST)	.013 Fam	Du	Dℓ	Vdm	Ldm	.051 Fam	Du	Dℓ	Vdm	Ldm	.160 Fam	Du	Dℓ	Vdm	Ldm	.495 Fam	Du	Dℓ	Vdm	Ldm
00	165	4	4	10.0	15.0	144	6	6	8.5	13.0	121	11	6	7.5	11.0	*98			6.0	9.0
01	165	2	4	11.0	16.0	142	4	2	9.0	13.5	120	8	5	7.5	12.0	*96			8.0	13.0
02	163	2	4	11.0	16.5	142	4	4	9.0	14.5	119	7	3	8.0	13.0	*94			7.0	12.5
03	161	6	2	11.0	18.0	142	4	6	9.5	16.0	118	10	5	8.0	14.5	*91			10.0	16.0
04	161	6	4	12.0	18.0	136	10	4	11.5	17.0	108	18	8	12.0	17.5	*72			11.0	15.0
05	161	4	6	13.0	19.0	136	8	6	12.5	18.5	104	20	7	12.5	19.5	*69			*13.0	*19.0
06	161	4	6	13.0	19.5	134	10	6	14.0	20.0	107	17	8	14.0	21.5	*74			12.5	17.5
07	159	6	4	13.5	20.0	132	14	10	14.5	20.0	104	16	9	15.0	22.0	*71			*11.0	*17.0
08	*161			14.5	20.0	*134			13.5	19.5	*105			14.0	20.0	*71			11.0	16.5
09	*160			14.0	20.0	*132			12.0	17.0	*102			13.5	19.0	*74			*9.0	*14.0
10	*161			12.0	17.5	*134			10.5	15.5	*106			11.0	16.5	*69			*10.0	*13.5
11	*163			10.5	15.0	*138			*10.0	13.0	*115			*11.0	*16.0	*69			11.0	15.5
12	*164			9.5	13.0	*141			9.0	12.0	*119			10.5	13.5	*89			12.0	18.0
13	*166			9.0	12.5	*143			8.0	11.5	*118			11.0	15.0	*95			11.5	18.5
14	*169			8.5	12.0	*146			8.0	11.0	*125			10.0	13.0	*99			8.0	13.0
15	*170			8.0	11.0	*145			7.5	10.0	*126			8.0	11.0	*98			9.0	14.0
16	169	2	4	8.0	11.0	*146			8.0	11.0	126	8	11	9.0	12.0	*102			9.0	15.0
17	170	1	5	9.0	12.0	146	8	6	8.0	11.5	128	8	13	9.0	13.0	*101			8.0	14.0
18	168	3	5	8.5	12.0	146	10	6	9.0	12.5	126	12	13	8.0	13.5	97	29	20	11.5	17.0
19	167	22	4	8.5	13.5	144	11	6	8.0	12.0	126	11	13	7.0	11.0	91	30	10	8.0	11.5
20	167	4	6	10.0	15.0	146	8	6	9.0	12.0	126	8	9	7.0	15.0	98	22	13	6.0	10.0
21	167	3	4	10.0	14.5	146	8	6	8.0	12.0	126	8	8	7.0	11.5	99	15	10	7.0	10.5
22	165	5	2	10.0	14.5	146	6	6	9.0	13.0	122	10	4	8.0	12.0	97	10	15	7.0	11.0
23	165	5	4	10.5	15.5	144	10	6	9.0	13.0	122	10	7	8.5	12.5	97	11	20	6.5	11.0

Hour (LST)	2.5 Fam	Du	Dℓ	Vdm	Ldm	5 Fam	Du	Dℓ	Vdm	Ldm	10 Fam	Du	Dℓ	Vdm	Ldm	20 Fam	Du	Dℓ	Vdm	Ldm
00	72	6	4			63	4	2			45	2	6			22	6	2		
01	72	4	2			63	2	4			43	2	6			22	6	6		
02	72	2	8			61	4	6			41	2	6			22	6	4		
03	70	4	6			59	4	6			37	6	4			24	4	4		
04	66	6	2			57	2	2			41	2	4			22	6	6		
05	48	18	8			51	4	4			41	4	4			22	6	4		
06	40	24	10			45	8	8			41	2	4			22	6	6		
07	32	32	4			37	14	8			37	6	4			22	6	6		
08	*29					*35					*34					*20				
09	*30					*27					*31					*20				
10	*28					*25					*34					*17				
11	*32					*32					*35					*20				
12	*40					*35					*37					*22				
13	*49					*37					*41					*24				
14	*59					*38					*41					*26				
15	*59					*37					*44					*24				
16	56	24	24			37	10	6			47	4	6			24	6	4		
17	57	25	23			52	16	9			49	6	2			28	8	8		
18	59	24	19			59	17	8			51	14	6			26	28	6		
19	62	35	7			65	7	4			55	4	8			26	18	6		
20	74	11	6			69	4	6			55	5	8			24	10	6		
21	74	6	4			67	4	2			51	6	8			24	4	8		
22	74	4	4			65	4	4			49	4	8			24	7	8		
23	72	7	2			65	2	6			48	3	9			24	4	8		

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

USCOMM-NBS-BL

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{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}
00	160	5	5	12.0	20.5	*139			10.5	17.5	116	5	8	9.0	17.0	93	6	7	10.0	16.0	73	4	9	4.0	8.0	64	4	4	4.0	8.0	44	10	4	4.5	8.5	23	4	2	2.5	4.5
01	159	4	6	12.5	21.0	135	7	6	9.0	18.0	114	8	6	9.0	17.5	93	6	8	8.5	18.0	73	4	10	4.5	8.0	64	5	7	4.0	8.0	46	6	8	4.5	9.0	23	3	2	2.0	4.0
02	159	4	6	12.5	20.0	132	9	3	10.0	19.5	114	7	7	10.0	18.5	93	6	10	7.0	16.0	72	5	6	4.0	8.0	64	4	6	5.0	9.0	44	6	6	4.0	8.0	23	2	2	2.0	4.0
03	159	4	6	12.0	21.0	131	13	8	11.0	20.0	110	8	8	9.5	19.0	86	7	10	9.0	15.0	71	5	14	5.0	9.0	62	4	7	5.5	8.5	42	3	5	4.5	8.5	23	2	2	2.5	4.0
04	158	5	7	13.5	21.0	131	7	8	10.0	20.0	106	8	16	14.0	24.0	77	8	12	7.5	11.5	62	7	10	5.0	9.5	56	6	4	5.0	8.5	38	4	2	5.0	8.0	23	2	3	1.0	3.0
05	157	4	6	13.0	20.5	127	10	4	10.0	20.0	102	8	17	10.5	19.0	72	5	9	5.0	8.0	52	4	9	3.5	7.0	51	7	7	5.0	10.0	40	4	4	4.0	8.0	23	2	4	1.0	4.0
06	155	4	6	13.0	21.0	125	9	6	13.0	22.0	92	6	12	9.0	18.5	70	7	9	5.0	7.5	47	4	5	2.5	5.0	46	6	6	4.0	7.0	38	4	5	5.0	8.5	23	3	2	2.0	4.5
07	157	2	6	13.5	21.0	123	9	6	14.0	24.0	97	9	15	9.0	17.0	68	10	5	3.5	7.0	45	4	2	1.5	4.5	42	4	3	3.0	6.5	36	6	5	5.0	8.5	23	6	2	3.0	5.0
08	159	3	8	13.5	20.5	*123			12.5	22.0	102	5	16	10.5	20.0	67	10	6	3.5	6.0	47	4	2	*1.5	*4.0	42	4	4	3.0	5.5	34	6	2	5.0	9.0	25	6	2	4.0	6.5
09	155	8	6	13.0	21.0	*123			12.0	22.0	94	18	11	9.0	15.0	68	14	6	5.0	7.0	47	2	4	*1.0	*4.0	42	4	6	2.5	5.0	33	7	4	5.0	8.5	25	4	4	4.0	6.5
10	159	6	9	11.0	19.0	127	12	6	11.0	21.0	96	22	10	11.5	19.5	71	23	9	7.5	8.0	47	4	3	*1.0	*4.0	42	8	5	2.0	4.0	34	7	6	*5.0	*8.0	25	4	3	4.5	6.5
11	159	6	6	12.0	22.0	*131			8.0	15.5	108	24	18	11.0	18.0	81	29	15	7.0	10.0	48	15	4	*6.0	*9.5	44	16	6	*6.0	*9.0	38	9	8	*6.0	*9.5	29	9	7	*6.0	*9.0
12	163	8	8	11.0	18.5	139	14	16	6.0	12.5	114	20	18	8.5	16.0	97	17	25	7.5	12.0	53	25	10	10.5	15.5	48	19	9	*5.0	*7.0	40	10	8	6.0	10.0	29	12	6	6.0	7.5
13	165	6	6	10.0	16.5	*143			8.0	15.0	120	14	17	10.0	16.5	101	14	28	12.5	21.5	61	19	12	7.0	*14.0	49	17	9	*7.0	*11.0	38	12	4	5.0	9.0	31	3	7	5.0	8.0
14	165	7	4	9.5	15.0	*143			6.5	11.5	122	11	17	11.5	19.0	105	10	22	12.0	20.0	61	19	14	*9.0	*15.0	52	16	12	5.5	10.0	44	8	8	5.5	9.5	31	3	7	5.5	7.5
15	165	6	4	8.5	14.0	144	9	9	6.5	11.0	122	15	17	8.0	14.0	106	8	29	10.5	20.0	68	14	17	8.0	16.0	54	8	12	8.0	12.5	44	12	4	*5.5	*8.5	29	9	3	5.0	9.0
16	169	4	8	9.0	15.0	147	6	8	6.0	11.0	126	6	20	8.5	15.0	107	4	28	12.0	20.0	67	14	18	8.5	13.0	56	11	10	4.5	7.5	46	6	2	4.0	7.5	33	4	9	5.5	8.0
17	167	4	6	9.0	15.0	148	3	14	7.0	13.0	126	9	25	10.5	18.5	103	13	30	8.5	15.0	67	10	18	8.0	13.0	59	3	11	4.0	7.5	48	4	4	3.5	6.5	31	10	7	4.0	7.5
18	165	6	6	10.0	16.5	144	9	13	6.0	12.5	122	12	23	11.0	18.0	97	18	26	11.0	16.5	65	10	16	5.5	11.0	62	6	8	3.0	6.5	50	4	4	3.0	7.0	29	7	4	*5.0	*9.0
19	163	6	6	9.5	16.0	139	11	10	8.0	12.5	123	10	18	7.0	12.5	99	12	21	5.0	11.0	67	11	10	3.5	8.5	64	8	6	3.0	6.5	52	4	6	3.5	7.0	29	5	4	4.0	6.0
20	163	6	6	10.0	17.0	143	4	8	7.0	11.5	122	7	14	6.5	12.0	98	8	13	7.0	13.0	73	4	8	4.0	7.5	68	2	8	3.5	7.0	50	4	4	4.0	7.5	25	6	2	1.5	5.0
21	161	6	6	10.0	17.0	139	8	9	8.0	14.0	120	7	10	9.0	12.0	97	4	10	6.5	11.0	75	2	10	4.0	7.5	66	4	6	4.0	7.5	49	6	4	3.5	7.5	25	5	4	2.5	5.0
22	161	4	6	10.0	18.0	139	8	4	7.0	14.0	120	4	10	7.0	14.0	95	6	6	6.0	14.0	75	4	10	4.0	8.0	66	4	6	3.5	7.5	48	4	4	4.0	7.5	23	5	2	*2.0	*4.0
23	161	4	6	12.0	20.0	139	6	8	8.5	17.0	118	7	8	8.5	15.5	93	8	6	7.0	15.0	73	6	8	3.5	8.0	64	6	4	4.0	8.0	47	4	5	4.0	9.0	23	4	2	*1.5	*4.0

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013 Fam	Du	Dℓ	Vdm	Ldm	.051 Fam	Du	Dℓ	Vdm	Ldm	.160 Fam	Du	Dℓ	Vdm	Ldm	.495 Fam	Du	Dℓ	Vdm	Ldm
00	166	4	7	10.0	16.5	144	5	8	8.0	13.5	120	6	11	6.0	11.5	99	6	8	5.5	10.0
01	165	3	5	9.0	16.0	144	5	8	8.5	14.5	118	7	9	6.5	12.5	97	7	8	6.0	11.0
02	165	2	6	10.0	16.5	142	4	6	8.0	15.0	116	7	6	8.0	14.0	96	5	7	7.0	14.5
03	163	3	4	12.0	19.0	142	2	8	10.0	17.0	114	6	7	8.5	16.0	93	7	10	9.0	17.5
04	163	2	4	11.5	19.0	136	6	4	12.0	19.0	106	10	10	12.0	19.0	77	14	10	8.5	13.5
05	161	4	4	13.0	20.0	134	7	5	13.0	20.0	102	13	7	15.0	21.5	71	18	6	9.0	14.0
06	159	6	2	13.0	19.5	132	10	4	13.0	20.0	104	12	11	13.5	21.0	71	19	8	6.0	10.0
07	161	5	4	13.5	20.0	132	7	5	11.5	19.0	100	16	10	12.5	19.0	71	18	8	8.0	12.0
08	161	4	4	13.5	20.0	132	10	7	11.5	18.5	100	14	10	12.5	20.0	71	14	6	6.5	12.0
09	161	4	4	11.0	19.0	134	6	6	10.5	17.5	100	14	12	10.5	17.0	71	20	6	6.0	10.0
10	163	3	4	10.0	17.0	138	6	5	9.0	14.5	108	9	10	10.0	16.0	86	11	19	7.5	14.0
11	165	4	4	9.0	15.0	140	12	4	8.0	13.0	114	10	12	9.0	14.5	95	13	22	9.0	15.0
12	167	4	2	8.0	13.0	148	5	7	7.0	12.5	124	6	14	7.0	13.0	105	8	22	10.0	15.0
13	169	6	2	7.0	12.0	148	9	6	6.5	11.0	124	10	10	7.0	12.5	107	12	15	8.5	15.0
14	171	4	4	6.5	11.5	150	8	7	5.0	10.0	128	8	15	6.5	11.0	109	8	26	8.0	13.5
15	171	12	4	6.0	11.0	152	10	10	6.0	10.0	126	12	14	7.0	10.5	109	9	23	9.0	14.0
16	171	6	4	5.5	10.5	152	6	10	6.0	10.0	129	8	15	8.5	14.0	109	9	18	10.5	17.0
17	171	5	4	7.5	12.5	150	9	10	6.0	10.5	124	12	10	7.5	12.0	105	14	11	8.5	15.0
18	171	6	6	6.5	11.5	148	11	8	7.0	11.0	124	12	11	7.0	12.5	103	15	12	9.0	15.5
19	169	5	4	7.0	13.0	148	6	7	7.0	11.0	124	8	8	5.5	10.0	101	11	9	6.0	10.0
20	168	4	4	8.0	13.5	148	5	6	6.0	11.0	124	8	9	5.5	10.5	103	8	10	5.0	10.0
21	169	4	6	9.0	15.0	146	7	5	7.0	13.5	122	10	9	6.0	11.0	101	8	8	4.5	9.5
22	168	3	5	9.0	15.5	146	4	5	7.0	13.0	122	8	9	6.0	11.0	101	8	8	4.5	9.5
23	165	6	3	9.0	15.0	145	4	6	8.0	12.5	120	7	8	6.5	11.5	99	7	5	5.5	8.5

Hour (LST)	2.5 Fam	Du	Dℓ	Vdm	Ldm	5 Fam	Du	Dℓ	Vdm	Ldm	10 Fam	Du	Dℓ	Vdm	Ldm	20 Fam	Du	Dℓ	Vdm	Ldm
00	73	7	4	4.0	7.5	65	4	3	4.0	7.5	46	7	6	4.0	7.5	24	4	2	2.0	4.0
01	73	5	5	4.5	8.5	65	2	4	4.5	8.0	42	6	4	4.5	8.0	24	2	2	2.0	3.5
02	72	3	5	5.0	9.0	63	4	2	4.0	8.5	42	7	4	5.0	8.0	24	2	2	1.5	3.0
03	72	5	7	5.0	9.0	63	4	4	5.0	9.5	42	4	7	4.5	8.0	24	2	3	2.0	3.0
04	67	8	6	5.0	10.0	59	5	3	5.5	10.0	42	2	3	4.0	7.0	22	2	0	2.0	3.0
05	55	10	9	5.0	8.0	53	6	4	5.5	9.5	42	4	4	4.5	8.0	23	2	3	2.0	3.0
06	47	8	4	2.5	4.5	57	8	6	5.0	8.0	40	4	2	5.0	8.0	24	2	2	2.0	4.0
07	47	7	4	2.5	5.0	43	10	2	5.0	7.5	39	3	5	4.5	8.0	24	4	2	2.5	4.0
08	47	12	3	2.5	4.0	43	8	4	5.5	7.5	36	6	6	5.0	7.0	26	2	3	3.0	5.0
09	47	8	4	2.0	3.5	43	4	4	5.0	7.0	34	6	4	5.5	8.0	25	5	1	4.5	6.0
10	47	8	2	2.5	4.5	43	6	2	4.0	5.5	36	6	4	6.0	9.0	27	5	3	4.5	7.0
11	53	6	8	2.0	3.0	45	8	2	4.0	6.5	38	6	2	6.5	10.0	29	5	3	6.5	8.5
12	59	16	12	3.0	4.0	53	10	10	4.0	6.0	44	9	6	7.5	11.0	31	7	5	6.0	9.0
13	67	16	16	9.5	17.0	57	16	12	7.0	13.0	44	13	2	5.5	9.5	32	8	4	6.0	10.0
14	74	11	25	7.5	14.0	59	16	14	7.5	12.0	49	9	7	4.5	7.5	34	5	6	6.0	9.5
15	71	13	19	6.0	11.0	61	11	14	7.0	12.5	48	13	4	5.0	8.5	32	6	4	5.0	7.0
16	72	11	20	8.0	14.0	61	10	12	5.5	8.5	50	8	4	3.5	8.0	32	8	4	6.0	9.5
17	71	9	20	8.0	13.0	62	7	8	5.0	8.0	52	6	4	4.0	6.5	32	5	4	7.5	11.0
18	65	9	10	4.5	7.5	63	10	5	5.0	7.0	52	8	4	3.5	6.5	32	8	4	4.0	6.0
19	69	11	5	4.0	7.0	67	5	2	3.0	6.0	54	2	4	3.0	6.0	30	4	4	4.5	6.0
20	77	2	6	4.0	7.0	71	2	6	3.5	6.0	54	2	4	3.0	6.0	28	7	3	4.0	6.0
21	77	4	5	4.0	7.0	69	4	2	3.5	7.0	52	3	5	3.5	6.0	26	2	2	2.5	4.0
22	75	4	4	3.5	7.0	67	4	2	4.0	8.0	50	4	6	4.0	7.0	24	5	0	2.5	4.0
23	73	6	4	4.5	9.0	67	3	2	4.0	7.5	48	4	4	4.0	8.0	24	6	2	2.5	3.5

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

USCOMM-NBS-BL

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

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

Hour (LST)	Frequency (Mc)																																							
	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	165	2	3	11.0	17.0	140	4	4	9.0	15.0	117	6	4	7.0	14.0	99	5	4	7.0	13.0	71	6	3	5.0	10.0	66	2	2	4.5	8.0	45	8	4	+5.0	+8.5	21	2	2	+3.0	+4.0
01	165	2	4	11.0	17.5	140	3	4	9.0	15.0	117	5	4	8.0	14.0	99	4	4	6.5	12.5	71	6	4	5.5	10.0	64	4	4	+5.0	8.0	43	7	2	+6.0	+9.0	21	1	2	+2.5	+4.0
02	163	4	2	11.5	18.0	140	2	4	10.0	16.0	115	6	2	8.0	15.0	99	2	6	6.5	12.5	71	5	6	+6.0	+10.0	64	3	4	+5.0	+8.5	43	7	2	+5.0	+8.5	21	2	2	+2.5	+3.5
03	163	3	2	11.5	18.5	138	4	2	10.0	16.0	117	4	6	8.5	15.0	96	5	4	8.0	14.5	71	4	4	6.5	10.5	62	4	2	+4.5	+8.0	42	4	5	+5.0	+9.0	20	2	1	+1.5	+3.0
04	163	2	4	12.0	18.5	136	2	5	11.5	19.0	111	5	8	10.0	16.5	87	4	8	10.0	15.0	71	4	6	+7.0	12.0	62	2	4	+5.5	+10.0	43	2	5	+5.5	+9.0	19	4	0	+2.0	+3.0
05	161	2	2	12.5	19.5	132	4	2	10.5	17.0	107	6	17	12.5	20.5	71	14	8	9.0	13.5	59	6	6	+7.5	+13.5	56	4	4	+4.0	+7.0	43	2	7	+4.5	+8.0	21	2	2	+3.0	+4.0
06	161	2	3	12.0	19.0	132	4	5	11.5	18.0	103	7	18	13.5	21.0	69	10	6	8.5	12.0	45	8	2	+5.5	+9.0	49	4	7	+6.0	+10.0	43	2	6	40	8.5	23	2	4	+2.0	+3.5
07	161	2	3	13.0	20.0	130	4	4	11.0	18.0	97	12	12	12.0	20.0	65	17	4	4.0	8.5	45	3	4	+2.5	+4.5	44	6	6	+4.0	+5.5	39	4	4	+5.0	+8.0	21	4	2	+3.5	+5.5
08	161	2	2	13.0	20.0	130	4	4	12.0	19.0	94	9	12	14.0	20.0	65	9	4	+4.5	+6.5	43	4	2	+2.0	+4.0	40	6	2	+3.0	+5.0	36	3	7	+5.0	+7.0	23	4	2	+3.5	+4.5
09	161	2	4	13.0	20.0	130	4	6	11.5	19.0	95	12	10	10.5	17.5	65	15	3	5.0	6.0	44	3	3	2.0	3.5	40	6	2	+2.0	+3.5	33	6	4	+4.0	+6.0	25	2	6	+3.0	+4.0
10	161	2	3	11.0	18.0	132	4	4	11.0	17.5	99	16	10	13.0	20.0	71	18	8	5.0	10.0	45	2	2	2.0	3.5	40	6	2	+3.0	+5.0	34	6	3	+4.5	+7.0	23	10	4	+5.0	+7.5
11	165	2	4	11.0	18.0	136	6	4	10.0	16.0	105	13	8	11.5	17.5	79	22	12	12.0	17.5	45	12	2	+1.0	+2.5	42	8	4	+2.5	+4.0	39	2	4	+4.0	+7.0	25	8	2	5.0	7.5
12	167	3	2	10.0	16.0	140	8	4	10.0	15.0	113	14	6	11.0	17.0	91	18	20	10.5	18.0	45	22	2	+2.5	+5.5	46	8	6	+3.0	+5.0	41	2	4	6.0	9.5	27	8	7	6.5	8.5
13	169	3	3	8.5	14.5	144	6	6	9.0	15.5	121	10	14	10.0	16.0	101	14	16	10.5	18.0	55	6	10	+2.5	+4.0	50	10	8	+2.0	+4.0	43	6	2	+7.0	+10.5	33	4	8	+7.0	+10.0
14	171	4	2	8.0	13.5	144	8	4	9.0	14.0	125	10	16	8.5	15.0	101	16	18	9.5	17.0	63	14	17	+2.0	+3.5	50	17	8	+4.0	+6.5	43	12	2	4.0	8.0	29	8	4	+10.5	+15.0
15	171	4	2	7.5	12.5	146	10	6	8.0	13.5	124	11	12	8.0	14.0	102	19	16	9.5	16.5	61	10	14	+3.0	+13.0	52	18	6	+4.5	+7.0	49	9	6	+4.0	+8.0	29	10	4	+5.0	+7.5
16	171	4	4	8.0	13.0	146	9	5	7.0	12.5	125	14	14	9.5	15.0	105	19	17	10.0	17.0	59	11	14	+9.0	+14.0	55	13	3	+4.0	+7.0	50	6	6	+3.5	+6.0	31	8	6	4.5	7.0
17	169	5	2	8.0	13.5	146	10	6	9.0	14.0	123	17	14	9.0	14.5	100	20	17	9.0	18.0	64	20	11	+6.0	+10.0	60	10	6	+4.0	+7.5	53	4	4	3.0	6.0	30	8	4	+4.0	+6.0
18	169	5	4	8.0	14.0	146	6	6	8.0	13.0	123	14	14	8.5	14.0	97	21	14	8.5	15.0	67	13	12	+6.0	+10.5	64	6	4	3.0	6.5	53	4	2	4.0	7.5	29	8	6	+4.5	+7.0
19	167	6	2	8.5	15.0	144	7	6	9.0	14.0	121	9	8	6.5	12.0	101	15	10	7.5	15.0	71	6	6	4.0	7.5	68	2	4	+4.0	+7.0	53	2	2	+3.5	+7.0	26	10	5	+3.5	+5.0
20	167	5	2	9.5	16.0	142	7	4	8.0	13.0	121	10	8	7.0	13.0	101	12	8	6.0	13.5	75	5	5	4.0	9.0	68	5	5	4.0	8.0	53	2	4	5.0	8.5	21	8	2	+3.0	+5.0
21	167	4	4	10.0	15.5	142	6	4	8.0	14.0	121	8	8	7.5	13.0	100	7	5	6.0	10.0	75	4	5	4.0	8.5	66	5	2	4.0	7.0	51	4	9	+3.0	+6.0	21	4	2	+2.0	+4.0
22	165	5	2	9.0	16.0	142	4	5	8.5	13.5	119	8	6	6.0	11.5	99	5	4	6.0	9.5	73	6	2	+5.5	+10.0	66	4	6	+5.0	+8.0	49	4	6	+4.0	+7.0	21	4	2	+2.0	+3.5
23	165	4	2	10.0	16.5	140	4	3	7.5	13.0	117	6	4	7.0	12.0	99	4	2	5.0	11.0	73	4	4	+5.5	+10.0	65	3	5	+4.5	+8.0	45	6	4	5.0	8.5	21	2	2	+2.0	+3.5

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.051					.113					.246					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	115	4	0			86	4	4			69					57	8	5			32	8	8			32	10	8			23	5	3			18	2	2		
01	115	4	2			84	1	7			71					56	4	7			30	4	10			30	10	10			23	2	2			18	2	0		
02	115	4	2			86	4	2			72					58	5	4			30	6	7			28	10	10			21	2	6			18	2	2		
03	113	2	2			*84										*60					29	4	5			27	7	15			21	6	4			18	2	2		
04	113	2	3			*86					71					*56					32	6	6			28	8	10			21	8	4			18	2	2		
05	113	3	3			*84					73					58	6	3			31	7	7			26	10	15			23	10	4			18	2	2		
06	113	3	3			86	2	4			71					58	5	5			30	6	5			27	9	9			21	6	4			18	2	2		
07	113	3	2			86	4	6			75					58	3	4			30	5	4			27	9	7			21	6	4			18	2	0		
08	113	2	2			84	2	8			73					57	5	5			28	4	11			28	8	6			23	10	2			18	2	2		
09	113	4	2			86	4	7			71										28	3	11			26	6	10			23	8	2			18	2	2		
10	113	2	2			87	4	3			69					58	5	5			30	4	7			31	11	5			23	4	2			18	2	2		
11	113	3	2			86	4	4			74					58	5	1			30	3	9			32	9	3			23	4	2			18	1	2		
12	111	3	2			84	2	4			73					56	4	7			30	6	10			30	8	6			23	2	2			18	2	0		
13	111	2	4			84	4	5			75					*56					28	3	10			32	5	5			23	2	2			18	2	0		
14	111	2	4			84	4	2			71					56	2	4			*31					33	7	3			23	2	2			18	2	2		
15	111	3	3			*82					71					*58					30	5	8			34	8	7			23	2	2			18	2	2		
16	111	3	3			*84					71					*58					32	4	4			35	5	6			23	2	3			18	1	2		
17	113	4	2			*83					72					58	6	2			32	6	4			37	8	6			23	4	2			18	1	2		
18	111	0	6			*84					73					58	5	3			30	5	6			36	11	4			23	2	5			18	2	2		
19	113	2	4			*84					71					58	7	2			30	5	7			35	5	6			21	2	4			18	2	2		
20	113	2	2			86	3	3			69					58	6	2			28	4	11			34	12	8			23	6	4			18	2	2		
21	113	2	3			86	2	4			71					56	2	5			28	4	7			34	10	6			21	6	4			18	2	2		
22	113	2	4			86	4	4			73					56	2	8			28	4	8			34	8	8			23	4	2			18	2	2		
23	115	4	2			86	4	4			71					58	4	6			27	3	11			35	9	5			23	4	2			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

MONTH-HOUR VALUES OF RADIO NOISE

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

Hour (LST)	Frequency (Mc)																																	
	.051					.113					.246					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	111	2	2			84	2	2			72	3	3			54	5	3			26	4	2			27	8	8			19	6	8			18	2	2		
01	111	2	2			84	2	4			72	5	3			55	2	2			26	2	2			23	10	6			19	4	8			18	2	2		
02	111	2	2			84	2	2			73	4	4			55	2	4			26	6	4			23	8	8			19	4	10			18	2	2		
03	111	2	2			84	2	2			73	4	4			55	2	4			26	2	2			23	13	8			19	4	14			18	2	2		
04	111	2	2			*84					*75					55	2	4			28	4	4			23	10	8			17	4	10			18	2	2		
05	111	2	2			84	4	4			71	2	2			55	2	4			26	2	2			21	12	6			17	6	8			18	2	2		
06	111	2	2			84	4	4			73	4	4			55	4	2			26	4	2			23	12	10			17	8	10			18	2	2		
07	111	2	2			84	4	2			73	3	2			55	3	2			26	4	2			23	12	8			19	4	10			18	2	2		
08	111	4	4			84	4	2			73	3	3			55	5	4			26	6	2			22	13	7			19	4	8			18	2	2		
09	109	4	4			84	2	2			73	4	4			55	2	3			26	4	4			21	14	6			17	6	4			18	2	2		
10	110	3	3			84	2	2			73	4	4			55	4	4			26	6	2			21	12	6			21	2	9			18	2	2		
11	111	0	4			84	4	2			73	2	2			55	5	3			26	4	2			25	8	6			21	2	8			18	2	2		
12	109	2	2			84	2	2			72	3	3			55	4	4			26	4	2			27	4	8			21	2	8			18	2	2		
13	111	0	2			84	4	2			73	4	4			55	4	3			26	4	2			29	4	14			21	2	9			18	2	2		
14	109	2	0			82	4	2			71	4	4			55	2	4			26	4	2			29	8	14			23	2	7			18	2	2		
15	109	2	0			*82					*73					56	3	5			26	4	2			31	8	14			21	4	7			18	2	2		
16	111	2	3			*82					*73					55	3	2			28	4	2			33	4	16			23	4	10			18	2	2		
17	109	2	0			84	2	4			73	4	4			55	3	4			26	4	2			31	12	12			22	3	7			18	2	2		
18	111	2	2			82	5	2			73	4	4			53	4	2			26	6	2			30	11	13			21	4	8			18	2	2		
19	111	2	2			84	2	4			71	6	6			55	4	4			26	2	2			29	8	12			21	4	8			18	2	2		
20	111	2	2			82	5	2			75	4	4			53	2	0			26	2	2			29	12	8			18	7	7			18	2	2		
21	111	4	2			84	4	4			71	6	6			55	4	4			26	4	2			25	8	12			21	4	12			18	2	2		
22	111	2	2			83	4	3			73	3	3			55	2	2			26	2	2			27	8	10			21	6	8			18	2	2		
23	111	2	2			84	2	2			72	4	4			55	3	3			26	2	2			25	14	8			19	6	8			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

MONTH-HOUR VALUES OF RADIO NOISE

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

Hour (LST)	Frequency (Mc) .051					.113					.246					.545					2.5					5					10					20				
	F_{am} #	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am} *	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am} *	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am} *	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am} *	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am} <	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am} +	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	115					84					70					53					29					31					24					19				
01	113					84					71					55					30					27					22					18				
02	113					82					70					55					30					25					21					18				
03	113					86					71					55					34					30					22					18				
04	111					82					72					55					34					29					20					18				
05	111					84					72					55					32					23					19					18				
06	112					84					70					55					30					24					10					20				
07	113					84					74					55					30					27					20					20				
08	112					84					70					55					32					25					20					18				
09	111					84					68					53					29					25					20					20				
10	111					82					72					53					28					30					21					20				
11	111					82					70					54					28					29					23					20				
12	111					82					72					53					30					29					23					20				
13	111					82					70					53					30					31					25					20				
14	111					82					72					55					30					33					24					20				
15	111					82					71					53					32					38					24					20				
16	111					82					70					55					33					37					26					20				
17	113					83					70					53					30					33					24					18				
18	111					82					70					55					40					39					24					10				
19	113					82					72					55					30					37					24					20				
20	113					85					70					55					31					35					22					18				
21	113					85					70					55					28					33					22					20				
22	115					84					72					55					29					31					22					20				
23	113					82					72					55					29					33					22					20				

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
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-EL

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Cook, Australia Lat. 30.6 S Long. 130.4 E Month June 1961

Frequency (Mc)

Hour (LST)	.013					.051					.160					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	155	2	3	7.0	11.5	126	7	4	8.5	13.0	101	9	2	10.0	16.0	82	8	4	7.5	13.0	54	6	2	*4.5	*8.5	48	12	4	*4.0	*6.5	35	8	6	*3.5	*5.5	23	0	0	2.5	3.0
01	156	3	3	8.0	11.5	126	5	4	8.5	13.0	102	8	3	7.5	13.0	82	10	4	7.0	12.5	56	6	4	4.0	6.5	48	7	3	6.0	9.0	35	9	4	*2.5	*4.5	23	0	0		
02	155	4	2	7.0	11.0	126	6	2	9.0	15.5	103	6	3	8.5	12.0	82	8	4	6.5	12.5	54	8	2	5.0	9.0	50	8	4	*5.0	*9.0	35	6	6	*4.0	*5.0	23	0	2	2.5	3.0
03	154	5	2	8.0	12.5	126	7	2	9.0	14.0	103	6	4	7.5	12.5	80	10	4	*7.0	*11.0	54	7	2	4.5	8.0	50	6	6	6.5	9.5	35	4	7	*2.5	*4.0	23	0	1	2.5	3.5
04	154	4	1	7.5	11.5	126	5	2	9.0	13.5	101	6	2	8.0	12.5	80	8	3	*7.5	*12.0	54	10	4	4.5	7.5	50	5	7	4.5	7.0	34	5	6	*2.5	*5.0	23	0	0		
05	154	4	1	8.0	12.0	126	4	2	8.0	12.5	101	5	6	*8.5	*13.0	80	7	4	*7.0	*12.0	52	11	4	5.5	8.0	48	4	5	*4.5	*7.5	33	6	6	*3.5	*5.0	23	0	0		
06	154	4	2	7.5	11.5	126	4	4	7.5	12.5	98	6	6	*8.5	*13.5	68	13	6			50	7	2	*6.5	*10.0	46	6	4	*5.5	*8.5	31	9	5	*3.0	*5.5	23	0	1		
07	154	2	2	7.0	11.0	116	9	3	*8.0	*13.0	77	12	8	*8.0	*16.0	47	9	7	*12.5	*24.0	44	12	4	*6.0	*9.0	42	8	2	*4.5	*7.0	31	6	4	*2.5	*4.0	23	1	2	3.0	3.5
08	154	4	2	9.0	14.0	110	13	2	*8.0	*13.0	62	17	3	*13.5	*15.5	40	22	2	*3.5	*5.0	24	13	4	*4.5	*7.5	30	12	4	*4.0	*5.5	30	7	5	*3.5	*5.0	23	2	2	2.5	3.5
09	150	4	3	9.0	14.5	106	12	4	9.5	15.0	65	13	8	*7.5	*9.0	40	17	2	*3.0	*5.5	22	10	4	*5.5	*8.0	23	11	6	*3.5	*4.5	27	8	6	3.0	4.5	23	1	2	3.5	5.0
10	150	4	4	*10.0	*15.5	104	13	4	*12.5	*17.5	65	9	6	*4.5	*6.0	54	4	14	*6.0	*8.5	20	10	2	*3.0	*4.0	22	14	4	*4.0	*5.5	29	5	8	*4.0	*5.5	21	4	2	3.0	3.5
11	150	2	4	*11.5	*17.0	106	13	2	13.5	21.0	67	6	3	*8.0	*9.5	56	4	6	*3.5	*5.5	28	6	8	*3.0	*5.0	24	14	4	*4.0	*5.5	25	8	4	*2.5	*4.5	24	1	5	3.5	5.0
12	150	4	4	*10.5	*16.5	108	8	4	*13.5	*20.0	69	6	4	*4.5	*7.0	56	4	6	*3.0	*6.0	24	6	4	*3.0	*4.5	24	10	6	*3.5	*5.0	27	6	7	*3.0	*3.0	23	4	2	3.0	4.0
13	*150			*11.0	*18.0	*110			*11.5	*18.0	*69			*6.5	*9.5	56	5	18	*4.0	*6.0	*24			*2.5	*4.5	*24					29			*3.5	*4.5	21	4	0	2.5	4.0
14	150	4	2	11.5	17.5	110	12	4	*11.0	*18.5	67	12	4	*11.0	*12.5	50	8	12	*3.5	*5.0	22	9	2	*3.0	*4.5	24	10	4	*2.5	*4.0	29	9	7	*3.5	*8.0	23	2	2	3.0	4.0
15	150	4	1	10.0	15.5	112	8	6	12.0	16.5	67	16	8	*12.5	*16.0	45	12	7	*6.0	*7.5	23	14	5	*3.0	*4.5	24	15	4	*4.0	*6.0	33	7	6	4.0	5.5	23	2	2		
16	152	3	2	9.0	14.0	110	11	6	11.0	16.0	74	12	9	*9.0	*13.5	56	12	10	8.0	10.5	28	21	6	*6.0	*7.5	32	14	8	*7.0	*11.0	37	7	4	5.0	8.5	23	4	0	3.5	4.5
17	152	2	4	8.0	13.0	110	14	5	12.0	16.5	83	17	14	*16.0	*22.0	72	9	8	7.5	14.5	38	20	10	*9.0	*14.5	40	13	5	5.5	9.0	37	8	4	5.0	8.0	23	2	0	3.0	3.0
18	152	4	4	8.5	13.5	114	12	8	*14.0	*21.5	89	16	8	12.5	20.0	74	12	6	*9.0	*14.5	44	11	5	*8.0	*13.0	42	13	4	6.0	11.0	30	5	6	3.5	5.0	23	1	1	3.0	3.5
19	154	3	4	8.5	13.0	118	2	4	11.5	19.0	92	5	4	12.0	17.5	80	8	6	*10.5	*17.0	48	11	5	*6.0	*12.5	48	7	6	*5.0	*8.0	35	8	3	3.5	5.0	23	0	2	2.5	2.5
20	154	4	2	8.5	13.0	122	8	4	10.5	18.0	96	11	5	8.5	17.0	82	8	6	*9.0	*15.0	51	10	5	6.0	11.0	50	11	5	*5.0	*10.0	35	9	4	*3.5	*5.0	23	0	1		
21	154	4	2	8.0	12.5	123	8	3	8.5	14.5	99	10	5	9.5	13.5	82	9	4	*8.0	*13.0	52	8	4	*5.5	*9.0	54	6	4	*4.5	*8.0	37	6	6	*3.0	*4.5	23	0	0		
22	154	4	2	7.5	11.5	124	9	4	9.0	14.5	101	9	6	8.0	15.0	82	9	4	7.0	12.5	54	8	4	4.5	8.5	54	8	6	*8.0	*11.5	37	8	6	*4.0	*7.0	23	0	0		
23	154	5	2	7.5	11.5	125	7	4	11.0	17.5	101	8	4	8.0	13.5	82	8	5	*8.5	*14.0	56	8	4	4.5	7.5	50	8	4	*6.5	*9.0	39	9	3	*2.5	*5.5	23	0	0	2.5	2.5

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

USCGS-NES-RL

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013 Fam	Du	Dℓ	Vdm	Ldm	.051 Fam	Du	Dℓ	Vdm	Ldm	.160 Fam	Du	Dℓ	Vdm	Ldm
00	154	0	3	7.5	12.0	124	4	2	8.5	13.5	99	4	2	7.0	12.5
01	154	2	2	7.5	12.5	124	4	2	8.0	12.5	101	4	4	7.0	12.0
02	154	2	2	7.5	12.5	126	2	2	7.5	12.5	101	3	4	6.5	12.0
03	154	1	2	8.0	13.0	126	2	2	7.5	12.0	101	2	6	6.0	11.5
04	154	2	2	8.0	12.0	126	4	4	7.0	12.5	101	5	6	7.0	12.0
05	154	2	2	7.5	12.0	126	4	4	7.0	11.5	99	7	5	7.5	13.0
06	154	2	2	7.0	12.0	124	6	2	7.5	12.0	99	6	8	8.0	13.0
07	154	2	3	7.5	12.0	118	3	3	8.5	12.5	77	8	8	15.0	20.0
08	150	2	2	7.5	12.5	111	8	3	8.5	14.5	63	19	6	9.0	11.0
09	150	3	2	9.0	14.0	106	11	2	11.0	16.0	63	14	4	4.0	6.0
10	150	4	2	10.0	15.5	108	8	4	12.5	19.5	63	8	4	4.5	6.0
11	150	2	2	11.0	16.5	110	6	4	13.0	20.0	69	11	4	3.0	5.5
12	150	2	2	11.5	18.0	110	5	4	12.0	19.0	71	6	6	3.0	6.0
13	150	3	2	11.0	17.0	110	7	2	12.0	18.0	70	18	5	2.5	4.0
14	150	2	2	10.5	16.5	110	8	4			67	8	7	6.0	11.0
15	150	4	2	8.5	14.0	110	4	4	9.0	14.0	65	10	6	8.0	14.0
16	152	2	4	8.0	13.0	110	7	4	8.5	14.5	67	20	4	10.0	18.0
17	152	2	4	8.5	13.5	111	7	5	9.5	15.0	83	14	12	12.5	18.5
18	150	4	2	7.5	12.0	114	8	6	11.5	18.0	89	13	7	12.5	20.5
19	152	2	2	7.5	12.0	120	7	6	9.0	15.5	93	12	6	9.5	17.5
20	154	2	2	7.0	12.0	122	7	4	8.5	13.5	97	7	5	7.5	14.5
21	158	0	6	8.0	12.5	124	5	4	10.0	15.5	97	6	4	8.0	14.5
22	154	2	2	8.0	12.5	124	4	4	7.5	12.5	99	4	4	7.0	12.5
23	154	2	2	7.0	12.0	124	4	2	9.0	14.0	99	5	4	5.5	11.0

Hour (LST)	.545 Fam	Du	Dℓ	Vdm	Ldm	2.5 Fam	Du	Dℓ	Vdm	Ldm
00	82	2	6	5.5	11.0	56	8	4	4.5	8.5
01	80	6	2	6.0	10.5	56	6	4	6.5	10.5
02	80	5	5	6.0	11.5	56	6	4	4.5	7.5
03	78	4	4	6.0	8.0	54	7	2	4.0	8.0
04	80	6	5	6.0	10.0	54	7	4	5.0	9.0
05	78	10	6	5.5	10.0	52	8	4	5.0	8.0
06	66	16	10	8.0	14.0	48	14	3	4.5	9.0
07	44	17	5	5.0	6.5	44	8	8	5.5	9.0
08	40	21	2	3.5	6.5	24	10	4	12.0	18.0
09	42	22	4	2.5	5.0	20	21	2	3.0	5.0
10	54	7	12	3.0	6.0	24	8	6		
11	57	3	3	3.0	6.0	24	8	2	3.5	5.0
12	58	3	4	3.0	5.5	24	9	2	4.0	6.0
13	58	4	4	3.0	5.5	24	6	4		
14	50	10	12	3.0	4.5	28	6	6	3.0	5.5
15	43	17	5	4.0	6.0	24	9	4	4.0	6.0
16	53	10	8	3.0	6.5	25	13	5	5.5	7.5
17	70	6	8	2.0	11.5	32	13	4	8.0	12.0
18	72	8	6	6.5	12.0	46	6	10	7.0	11.0
19	76	8	4	5.0	10.5	48	11	8	6.5	10.5
20	78	8	4	5.5	10.0	50	7	3	5.0	8.0
21	80	6	2	5.0	11.0	53	7	3	4.0	8.0
22	80	5	5	5.0	10.0	54	8	4	5.0	8.5
23	80	8	4	6.0	10.5	54	8	4	4.0	7.5

Hour (LST)	5 Fam	Du	Dℓ	Vdm	Ldm	10 Fam	Du	Dℓ	Vdm	Ldm	20 Fam	Du	Dℓ	Vdm	Ldm
00	51	7	4	5.0	9.0	37	4	4	3.5	5.5	24	0	2	2.5	4.0
01	49	6	2	4.0	6.5	35	6	2	3.0	5.0	24	0	0		
02	49	7	2	4.0	7.5	35	5	4	3.0	4.5	24	0	0		
03	49	6	4	5.0	8.5	33	4	3	4.0	5.5	24	0	2		
04	49	6	4	5.5	8.0	31	4	2	3.0	4.5	24	0	2		
05	49	9	4	4.0	7.0	31	4	4	3.5	5.5	22	1	0		
06	47	6	4	3.0	6.5	31	3	4	2.5	4.5	22	0	0		
07	43	8	4	5.0	8.5	29	5	2	3.0	5.0	22	6	0		
08	27	11	6	6.0	6.5	27	8	3	2.5	4.5	22	2	0	2.5	3.5
09	23	16	8	5.0	6.5	25	4	4	6.5	8.5	22	2	2	5.5	8.0
10	23	18	6	7.5	12.0	25	8	4	3.5	5.0	22	0	2	2.5	4.0
11	23	14	8	3.0	5.0	25	8	8	9.0	12.0	22	2	2	2.5	5.0
12	25	12	10	3.5	6.5	23	11	2	4.0	6.5	22	0	2	2.5	3.5
13	25	10	8	2.5	4.0	23	13	2	6.0	8.0	22	2	0	3.5	5.5
14	25	10	10	3.5	5.0	23	11	2	3.5	5.0	22	3	0	4.0	4.0
15	23	15	6	3.0	5.0	27	9	3	3.5	5.0	24	0	2	2.5	7.0
16	29	12	8	4.5	7.5	33	8	2	6.0	7.5	24	2	2		
17	41	9	6	4.5	7.5	35	5	2	4.5	8.5	24	2	0	2.5	4.0
18	45	5	4	7.0	11.0	37	2	4	3.0	5.0	24	2	2	2.5	4.0
19	51	4	6	5.0	8.5	37	2	4	3.5	6.0	24	2	1	3.0	4.0
20	53	4	4	5.0	9.0	37	2	4	4.5	6.0	24	0	2	2.5	4.0
21	55	6	6	5.0	9.0	37	2	4	3.5	5.5	24	0	2	2.5	4.0
22	53	7	4	4.0	8.5	37	2	3	3.0	5.0	24	0	2	2.5	4.0
23	51	5	4	4.0	7.0	37	4	3	3.5	5.5	24	0	2	2.5	4.0

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013					.051					.160					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	152	2	2	7.5	12.0	124	4	5	8.5	14.0	98	6	6	7.0	12.5	79	8	6	8.5	13.5	54	9	3	6.0	10.0	49	7	4	5.5	10.5	39	4	4	6.0	9.0	24	0	0		
01	152	2	2	6.5	11.0	124	4	4	7.5	12.5	98	6	6	7.0	12.5	77	9	3	8.0	12.0	54	11	4	6.0	10.0	49	9	4	5.0	8.5	37	6	2	4.0	6.5	24	0	0		
02	152	4	2	7.0	12.0	124	5	3	7.5	12.5	98	7	5	8.0	13.0	77	8	4	5.5	10.0	54	10	4	5.5	9.5	49	6	4	6.0	9.0	38	3	3	5.0	8.0	24	0	2		
03	152	4	4	8.5	13.5	124	4	2	8.5	13.5	98	8	6	7.0	12.5	77	8	6	5.0	9.0	52	11	4	6.0	9.0	50	6	4	6.0	9.0	37	2	3	3.5	6.0	24	0	2		
04	152	4	2	7.0	12.5	124	5	4	8.5	13.5	98	7	6	8.0	13.0	79	11	4	7.0	14.0	52	10	6	5.0	9.0	49	4	2	5.5	9.5	35	4	4	3.0	5.0	24	0	2		
05	152	2	2	8.0	13.0	122	8	2	8.0	12.5	94	8	4	8.0	12.0	73	11	4	15.5	22.5	50	11	4	6.0	9.5	47	6	2	5.5	9.0	33	4	2	3.5	6.0	22	2	0		
06	152	4	4	8.0	13.0	122	4	4	8.5	14.0	94	4	12	8.0	13.0	55	23	10			48	7	4	5.0	9.0	47	4	2	3.5	6.0	33	2	2	4.5	7.0	22	2	0	5.0	12.5
07	150	4	2	7.5	12.5	114	6	2	8.0	13.0	69	9	7	4.5	6.5	43	4	4	3.5	5.5	33	12	3			39	7	4	2.5	4.5	35	2	2	4.0	6.0	22	2	0	3.0	5.5
08	148	4	4	8.5	13.0	110	4	4	9.0	14.0	64	10	7	17.0	20.5	41	8	2			22	6	3	3.5	6.0	23	6	3	4.0	5.5	31	2	4	4.0	6.0	24	2	2	3.5	5.0
09	148	2	2	10.0	15.5	108	8	8	13.0	17.0	62	9	3	3.5	5.5	42	8	3	3.0	4.5	20	9	2	4.0	5.0	20	9	5	4.0	6.0	27	5	3	2.5	4.0	24	2	2		
10	148	4	4	10.0	16.5	108	12	6	13.5	20.5	66	7	4	5.0	7.0	52	7	11	3.5	6.0	21	11	3	5.0	6.5	21	6	4	4.0	6.0	25	3	4	6.0	8.0	22	2	0	3.0	5.0
11	148	4	4	12.0	17.0	106	9	2	12.5	18.0	72	6	3			57	3	5	2.5	4.0	22	9	2	3.5	5.5	22	9	5	7.5	10.0	25	7	2	5.0	8.0	22	2	0	3.0	5.0
12	148	4	4	11.0	16.5	109	9	5	13.0	20.0	72	6	4	9.5	12.5	57	2	3			22	8	2	4.0	5.0	21	19	4	8.5	10.0	25	12	4	4.0	4.0	24	3	2	3.0	5.5
13	146	4	2	11.5	18.0	110	9	6	13.5	21.0	70	12	2	8.0	12.0	57			2.5	5.0	21	9	1	2.5	5.0	21	6	4	2.5	5.0	25			5.0	8.0	23			8.0	10.0
14	148	4	2	10.0	16.5	110	10	4	12.0	19.0	70	12	2	6.5	8.0	53	8	12	5.0	7.0	22	2	4	5.0	6.0	21			3.0	5.5	26	5	3	4.0	6.5	24	4	2	4.5	7.0
15	150	2	4	9.5	15.0	110	8	6	12.0	17.0	68	12	8	11.5	13.5	43	10	2			24	6	4	4.0	6.0	24	9	9	4.0	6.5	31	6	4	3.5	6.0	24	4	2	7.0	10.0
16	150	2	4	9.0	15.0	109	9	5	10.0	15.0	69	16	9	9.0	10.0	45	15	4	3.0	5.0	24	18	6	4.0	6.0	25	12	4	9.0	13.5	35	6	3	5.0	9.0	24	2	0	4.5	6.5
17	150	4	6	8.0	13.5	110	9	6	12.0	17.5	78	16	10	14.0	17.5	65	10	10	6.5	10.0	30	15	5	6.0	8.5	41	8	4	6.5	7.5	39	4	5	6.0	9.0	24	2	0	3.0	4.0
18	148	6	2	8.0	13.5	114	8	4	13.5	19.5	87	13	5	13.5	22.0	73	5	8	7.0	10.0	44	14	4	7.0	12.0	45	10	4	7.0	11.5	40	3	6	4.0	7.0	24	2	0	2.5	4.0
19	150	4	2	8.5	14.5	118	7	6	13.5	18.5	90	12	5	11.0	19.0	77	4	6	8.0	13.0	49	12	7	9.5	15.0	53	6	6	7.0	11.0	41	4	4	4.0	6.5	24	2	0		
20	152	4	4	9.0	13.5	122	6	5	10.0	16.0	96	8	8	7.0	13.5	79	7	6	5.0	8.5	52	11	5	5.5	11.0	53	7	6	4.0	10.0	41	2	4	5.0	8.0	24	0	0		
21	152	4	2	8.5	13.0	122	6	3	8.5	14.5	98	6	7	8.0	12.5	81	8	3	6.0	13.0	54	9	5	6.0	13.0	57	2	9	5.5	10.0	41	4	4	5.0	8.0	24	0	0		
22	152	4	4	7.5	12.0	122	6	3	8.0	14.0	98	8	6	7.0	12.0	79	8	5	7.0	12.0	55	9	5	6.0	11.5	53	8	6	6.0	11.5	41	4	4	4.5	8.5	24	0	0		
23	152	2	4	7.5	12.0	122	6	3	9.5	15.5	98	6	6	8.5	14.5	79	10	4	7.0	12.0	56	8	6	6.0	11.0	51	6	6	7.0	11.5	41	3	4	6.0	9.0	24	0	0		

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

USCOMM-NBS-11

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013 Fam	Du	Dℓ	Vdm	Ldm	.051 Fam	Du	Dℓ	Vdm	Ldm	.160 Fam	Du	Dℓ	Vdm	Ldm	.495 Fam	Du	Dℓ	Vdm	Ldm
00	154	6	3	10.0	16.5	128	5	7	10.5	16.5	107	5	3	4.0	9.0	82	9	11	2.0	3.0
01	154	5	2	9.0	14.0	126	8	6	10.0	16.5	107	5	4	8.0	14.0	75	10	8	9.0	14.5
02	154	3	2	10.0	16.0	122	6	4	11.0	16.0	101	11	5	10.0	16.0	63	18	6	4.0	6.5
03	154	2	3	10.0	15.0	120	10	4	11.0	16.5	89	18	8	8.5	14.5	56	25	7	6.5	8.5
04	152	4	3	10.5	17.5	120	6	9	12.0	19.0	82	21	10	6.5	15.5	55	17	6	4.0	6.0
05	152	4	4	12.0	18.0	118	8	11	13.5	21.0	80	9	7	9.0	16.5	55	31	6	6.0	7.0
06	152	4	4	11.5	18.0	118	6	12	14.5	22.0	81	15	5	4.0	6.5	53	20	2	4.0	6.0
07	152	4	4	12.0	17.5	117	7	10	14.5	20.5	79	14	4	3.0	4.5	55	13	5	4.0	6.5
08	154	4	5	13.5	19.5	120	5	9	15.0	22.0	83	13	8	7.0	10.5	57	18	7	6.5	12.0
09	154	6	2	12.0	19.0	124	4	8	13.5	20.0	85	11	6	6.0	8.0	56	22	5	3.5	5.5
10	158	4	6	12.0	19.0	128	5	8	11.5	19.0	93	16	8	14.5	22.0	65	20	12	12.0	16.5
11	160	6	4	11.0	18.0	132	6	8	9.5	16.5	103	10	16	11.5	18.5	67	20	12	15.0	22.0
12	162	5	6	9.5	16.0	134	5	11	11.0	17.5	105	13	19	13.0	19.0	79	12	22	13.0	19.0
13	164	4	6	9.5	16.0	134	8	6	10.0	16.5	109	8	24	9.0	15.5	81	8	24	10.0	19.0
14	164	4	6	9.5	15.5	136	6	10	10.5	16.0	109	8	20	10.0	16.0	78	16	22	9.0	17.0
15	163	5	4	9.5	15.0	135	6	10	9.5	15.5	107	10	22	10.0	17.0	81	9	23	9.0	16.5
16	163	5	5	9.5	15.5	134	8	6	10.0	15.5	107	12	22	10.0	16.0	78	14	23	10.0	18.0
17	162	4	5	10.0	16.0	134	4	8	11.0	18.0	103	12	19	12.0	20.0	73	18	18	9.5	16.0
18	162	2	8	10.0	16.5	130	7	6	11.5	18.0	99	14	14	11.0	18.0	69	19	13	10.0	17.5
19	160	2	5	11.0	16.0	128	10	6	11.0	18.5	95	18	16	10.5	19.0	69	15	9	9.5	12.5
20	158	2	4	10.0	15.0	126	9	7	10.5	16.5	93	18	11	8.0	13.0	69	15	4	8.0	13.0
21	156	4	3	9.0	14.0	124	10	4	11.0	16.0	99	12	8	8.0	14.5	77	10	6	7.0	10.0
22	156	4	2	9.5	14.5	128	6	5	10.0	16.0	103	7	6	5.0	10.0	81	9	8	3.0	4.5
23	154	7	4	10.0	15.5	128	9	7	10.0	16.0	105	9	4	6.0	11.0	81	9	9	4.0	6.0

Hour (LST)	2.5 Fam	Du	Dℓ	Vdm	Ldm	5 Fam	Du	Dℓ	Vdm	Ldm	10 Fam	Du	Dℓ	Vdm	Ldm	20 Fam	Du	Dℓ	Vdm	Ldm
00	63	10	4	7.0	12.0	59	4	2	5.0	8.5	45	2	4	5.0	9.0	17	0	0	1.5	3.0
01	61	9	5	7.5	12.0	59	5	3	5.0	8.0	45	4	6	4.5	7.5	17	0	2	1.5	3.0
02	59	8	8	6.5	11.5	57	4	6	4.0	7.5	45	4	4	4.5	8.0	17	1	2	1.0	3.0
03	49	12	6	8.0	13.0	53	4	6	4.0	7.5	45	2	6	4.0	8.0	17	0	2	1.0	3.0
04	41	15	8	3.0	5.0	45	6	4	6.0	9.0	45	5	7	2.5	7.5	16	1	1	1.5	3.0
05	37	8	10	8.0	12.5	43	6	8	4.0	6.0	44	3	5	5.0	8.0	15	2	0	1.5	3.0
06	35	15	8	7.5	8.5	39	8	8	7.0	10.5	42	6	2	7.0	11.0	17	3	2	1.0	3.0
07	31	14	4	7.5	12.0	36	11	9	6.0	9.0	39	8	2	8.5	11.5	17	2	2	2.0	3.5
08	29	10	2	4.5	6.0	35	8	7	7.0	9.5	39	6	6			18	6	3	3.0	4.5
09	33	14	6	5.0	7.0	35	10	6	6.5	10.0	41	5	5	7.5	11.0	19	6	4	3.5	5.5
10	32	10	5	5.0	10.5	34	15	5	8.0	12.5	40	6	4	6.0	9.0	19	7	4	2.5	4.5
11	33	12	3	7.5	12.0	39	6	12	7.0	12.0	41	3	7	5.0	8.0	19	5	4	2.0	4.0
12	35	8	4	7.0	10.0	43	6	13	8.0	13.0	42	4	6	4.0	7.5	21	4	4	2.0	4.0
13	40	14	10	5.0	7.5	47	3	16	6.0	10.5	43	7	6	4.5	7.5	19	4	4	2.5	4.5
14	39	14	6	7.0	12.0	44	9	9	5.0	9.0	43	5	7	4.0	7.0	19	4	2	2.5	5.0
15	43	15	10	6.0	10.5	49	4	16	5.5	9.0	46	4	4	4.0	8.0	19	2	4	1.5	3.5
16	45	16	11	5.5	8.0	49	6	14	5.0	10.0	49	4	4	4.5	8.0	19	6	2	2.0	4.0
17	43	10	10	3.5	5.0	51	6	12	5.0	9.0	49	2	8	5.0	8.5	21	3	4	2.0	3.5
18	45	10	4	4.0	6.0	55	5	9	5.5	9.5	51	5	4	4.0	6.5	21	2	4	2.0	4.0
19	49	10	8	7.0	10.0	55	6	6	5.0	9.0	49	4	4	4.0	7.0	21	3	4	2.0	4.0
20	53	8	6	5.0	8.0	57	6	6	5.0	8.0	49	4	2	5.0	9.0	19	4	2	2.5	4.0
21	59	6	8	5.5	9.5	60	3	3	4.0	9.0	49	4	4	5.0	9.0	19	3	2	1.5	3.0
22	63	8	6	6.0	10.0	61	4	4	4.5	7.0	48	3	3	5.0	8.0	17	3	1	1.5	3.0
23	63	6	6	6.0	10.0	59	6	2	5.0	8.0	47	2	4	4.0	7.5	17	2	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

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm
00	156	4	4	10.0	15.5	127	6	6	11.5	18.0	106	7	5	8.0	13.5	84	6	10	6.5	11.5	63	6	6	5.5	10.0	59	4	4	5.0	9.0	42	8	6	4.0	6.0	19	2	2	1.5	3.0
01	154	6	2	10.0	16.0	126	5	7	11.5	18.0	106	6	4	6.0	11.0	74	8	6	7.0	11.5	61	8	6	6.0	10.0	59	4	8	5.0	8.0	40	7	7	4.0	6.5	19	0	2	2.0	3.0
02	154	6	2	10.0	16.5	121	8	6	11.5	18.0	104	6	12	7.0	12.5	66	10	10	7.5	12.0	57	9	5	7.0	11.0	55	4	10	4.5	7.5	40	9	8	4.5	8.0	19	2	2	1.5	3.0
03	154	4	2	11.0	17.5	120	6	7	13.0	20.0	91	13	9	9.0	14.5	54	10	5	2.5	4.5	51	7	9	8.5	13.5	51	4	5	4.5	8.0	40	6	6	4.0	6.5	19	2	3	2.0	3.0
04	154	4	4	11.5	17.0	117	10	9	13.0	20.0	84	10	12	7.5	14.0	52	10	4	2.5	4.0	38	12	8	9.5	13.0	45	7	5	4.0	7.0	40	6	4	4.0	7.5	19	2	4	1.5	3.0
05	153	5	4	12.0	19.0	115	12	8	13.5	20.5	80	18	8	4.0	5.0	51	9	3	2.0	5.5	29	15	4	9.5	12.0	40	7	7	6.0	9.0	38	6	2	4.5	5.0	19	4	4	1.5	3.0
06	152	6	2	11.5	18.0	115	10	4	14.0	20.5	82	17	12	11.5	18.0	52	10	2	4.0	6.5	29	10	4	5.0	7.5	35	8	6	8.0	11.0	42	5	6	4.5	6.5	19	4	4	2.0	3.0
07	154	4	4	11.5	18.0	117	9	7	13.0	20.0	78	14	6	7.0	12.0	52	12	2	3.5	6.5	29	4	2	4.0	7.0	31	8	4	8.0	11.0	40	6	7			18	7	3	2.0	3.5
08	156	3	6	11.0	17.0	119			12.0	19.0	87	5	12	8.0	12.0	54	12	5	1.5	4.5	29	6	3	5.5	7.5	31	6	7	6.5	9.0	36					19	2	4	2.0	4.0
09	156	6	4	10.0	16.0	125			11.0	18.0	84			9.0	14.5	55	16	5	6.5	9.0	29	2	4	4.0	6.0	25			4.0	6.0	36					21	4	4	2.0	3.5
10	158	6	7	11.0	17.0	128	7	11	10.0	17.0	88	18	10	8.5	13.0	58	24	6	11.0	20.0	29	7	3	5.5	7.5	29	8	8	5.0	8.0	40	5	5	4.5	8.0	19	5	2	2.0	3.5
11	161	7	7	9.5	16.0	132	6	12	9.0	15.0	90	20	12	10.5	18.0	58	24	8	12.0	19.0	31	5	5	5.5	8.0	33			6.0	10.5	38	4	8	6.0	9.5	21	6	6	2.5	4.0
12	164			10.0	16.5	131	8	8	9.0	15.0	100	12	18	11.5	17.5	64					31			7.0	9.5	29			8.0	10.5	39					19	4	4	3.0	5.0
13	162	6	8	10.0	17.0	132	8	12	9.5	15.5	98	16	18	9.5	17.5	66	22	14	7.5	16.5	31	12	3	10.0	14.0	33			5.0	7.0	42			4.5	8.5	21	6	4	2.5	4.5
14	162	6	7	9.5	15.0	133	7	8	10.0	15.5	102	13	17	12.5	18.5	74	16	20	6.0	13.5	34	9	5	6.5	9.5	36	9	13	8.0	12.0	42	8	3			19	6	2	2.0	3.5
15	162	4	6	8.0	13.5	133	7	8	10.0	16.5	101	13	16	12.0	19.0	71	15	19	10.5	18.5	35	9	5	5.0	7.5	39	8	14	4.0	7.5	46	4	6	6.0	9.5	19	4	2	2.0	3.5
16	162	4	7	10.0	15.5	131	8	8	10.5	17.0	100	12	18	12.5	20.0	68	17	17	15.0	23.5	35	10	6	5.0	8.5	41	7	13	7.5	10.0	48	4	8	6.5	10.0	19	6	2	2.0	3.5
17	160	6	6	10.0	15.5	131	8	12	10.0	17.0	99	15	21	12.5	19.0	62	27	9	6.5	10.0	35	6	5	5.0	9.0	41	13	11	7.0	11.0	48	6	5			21	2	4	2.5	4.0
18	160	4	6	11.0	16.0	127	10	10	11.0	18.0	96	12	17	10.0	17.0	61	21	5	5.5	2.5	39	6	4	3.5	5.0	45	8	11	5.0	9.5	46	9	6	5.5	9.0	21	4	4	1.5	3.5
19	158	4	6	10.0	16.0	127	6	12	11.0	19.0	96	12	16	7.5	12.5	60	22	4	5.0	8.0	41	8	6	4.0	7.0	49	6	9	4.0	7.0	46	6	6	4.0	6.0	21	4	2	2.0	3.5
20	156	4	4	10.0	16.0	125	7	8	12.0	18.5	96	8	8	8.0	15.5	70	10	6	3.0	6.0	45	10	4	4.0	7.0	55	4	8	4.0	7.0	47	4	6	5.0	8.0	21	2	4	2.0	4.0
21	156	2	4	8.5	15.0	127	6	8	11.0	17.0	102	8	8	7.0	13.5	77	7	5	4.5	8.0	54	7	5	4.0	6.5	59	4	6	4.0	7.5	48	6	6	5.0	9.5	19	7	2	2.0	3.5
22	156	4	4	9.5	16.0	127	6	6	11.5	18.0	106	6	8	6.5	10.5	80	10	8	5.0	9.0	59	10	4	5.0	9.0	59	4	4	4.5	8.0	46	8	9	4.0	6.5	19	2	4	2.0	3.0
23	156	4	4	10.0	16.0	129	5	8	11.0	16.0	108	6	10	6.0	10.5	84	6	10	6.5	12.0	63	5	6	5.5	10.0	59	4	2	4.0	7.0	44	5	6	4.5	8.0	19	0	2	1.5	3.0

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

MONTH-HOUR VALUES OF RADIO NOISE

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

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	Fam	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm
00	156	4	4	9.0	15.0	129	5	10	10.5	18.0	113	4	8	*4.5	*9.0	86	9	10	*4.5	*7.0	63	9	7	7.0	11.5	59	5	5	4.5	8.5	42	4	6	3.5	6.0	16	5	2	1.5	3.0
01	156	4	4	9.0	15.5	128	6	12	11.5	19.0	109	6	6	*8.0	*14.5	84	8	8	*3.0	*5.0	61	10	6	7.5	12.0	58	5	5	6.0	9.5	40	4	6	3.0	6.0	16	4	2	1.0	2.5
02	154	7	0	10.0	16.0	124	10	9	10.5	16.5	109	6	8	*4.0	*9.0	78	10	14	*3.0	*5.0	61	6	8	7.0	12.0	57	6	6	6.0	9.5	39	5	5	*3.5	*5.5	16	4	2	1.5	3.0
03	154	6	2	10.0	17.0	122	7	7	9.0	15.5	107	4	8	*5.0	*9.5	62	16	6	*4.0	*6.5	56	8	5	*7.0	*11.0	55	4	6	5.0	8.0	38	8	3	*3.0	*6.0	16	4	2	1.5	3.0
04	154	6	3	11.0	17.0	119	10	8	11.5	18.5	91	12	6	*8.5	*14.0	56	10	8	*3.0	*5.0	51	6	8	*9.5	*15.0	51	4	5	5.5	9.0	40	5	5	*4.0	*8.5	16	4	4	2.0	3.5
05	154	4	4	11.0	18.0	115	13	4	12.0	19.5	85	8	10	5.0	8.0	52	13	4	*2.0	*4.0	38	11	9	*8.0	*12.0	46	6	4	*5.0	*8.5	42	6	5	*5.0	*8.0	16	7	4	2.0	3.5
06	152	6	2	12.0	19.0	115	12	10	13.0	21.0	83	10	12	*4.5	*6.0	52	10	2	*4.0	*6.0	33	14	6	*6.0	*9.0	41	6	8	*7.0	*10.0	44	7	6	*4.0	*6.5	16	6	3	2.0	3.5
07	151	9	2	12.0	19.0	115	12	10	13.5	21.5	81	20	8	6.0	8.0	52	14	2	*2.0	*5.5	35	4	8	*7.0	*9.0	37	8	6	*4.5	*7.0	42	7	6	*5.0	*7.0	16	4	2	1.5	3.5
08	152	6	4	11.0	17.0	115	12	12	*13.0	*21.0	81	15	11	4.0	5.5	52	11	2	*3.5	*5.5	31	7	4	*3.0	*6.0	31	14	2	*5.0	*8.0	38	8	4			16	4	2	2.0	4.0
09	150	8	2	12.5	19.0	119	9	7	*13.0	*20.0	81	12	6	*4.0	*6.5	54	12	4	*2.5	*5.0	31	6	2	*5.0	*7.0	31	12	4	*5.5	*7.5	*38					18	4	4	*3.0	*5.0
10	153	7	5	10.0	16.0	119	11	8	11.0	18.0	83	16	4	*4.5	*7.5	58	11	8	*5.5	*8.0	29	7	2	*4.0	*6.0	31	12	6	*5.0	*8.0	40	6	6			18	9	4	*4.0	*6.0
11	154	7	5	10.5	17.0	125	9	7	11.5	19.0	85	17	5	*6.0	*9.0	57	18	7	*9.0	*12.0	29	10	2	*5.0	*8.0	*31			*7.5	*12.5	40	4	8	*7.5	*12.5	18	8	2	2.5	4.5
12	155	7	5	11.0	17.0	125	6	6	10.0	16.5	90	17	10	*7.0	*12.0	60	26	8	*4.0	*6.5	32	14	4	*9.5	*12.5	*36			*10.0	*15.0	42	5	4	*8.5	*13.0	18	4	2	3.0	4.5
13	156	6	4	11.0	16.5	125	10	6	*8.0	*13.0	93	16	12	9.0	13.5	58	23	7	*6.0	*8.0	31	10	4	*4.5	*7.0	33	12	6	*7.0	*10.5	44	4	6			18	6	2	2.5	4.5
14	156	6	4	8.5	13.5	127	8	8	7.5	13.5	94	14	11	9.5	15.0	64	22	14	*11.0	*21.0	31	11	4	*5.0	*7.5	37	12	6	*6.0	*10.5	44	6	2	*4.5	*8.5	18	5	2	2.0	4.0
15	156	6	3	10.0	15.5	127	6	10	12.0	18.5	97	11	16	8.0	13.5	64	22	14	*9.5	*13.0	35	11	8	*3.5	*5.5	39	9	8	8.0	12.0	48	4	6	*4.0	*10.5	20	4	6	2.0	4.0
16	158	4	7	9.0	14.5	129	4	14	11.5	16.5	95	13	15	8.0	14.0	61	21	9	*5.0	*9.0	39	15	9	*5.0	*7.0	43	9	9	8.0	13.0	48	6	4	*10.5	*14.5	20	5	6	2.5	4.5
17	156	7	6	9.5	15.0	127	9	13	10.5	16.5	93	16	16	7.0	13.0	62	25	8	*7.0	*9.5	39	10	8	*2.5	*5.5	46	9	9	*7.0	*10.5	48	7	4			20	6	4	3.0	4.5
18	156	8	6	9.0	14.5	125	8	14	10.0	16.0	93	16	16	7.0	12.5	68	13	12	*2.5	*5.0	45	8	10	3.5	6.0	51	14	6	6.0	11.0	48	6	4			20	4	4	*2.5	*4.0
19	154	9	4	8.5	14.0	125	7	11	11.0	16.5	97	11	10	*5.5	*11.0	76	8	12	3.0	5.0	53	4	14	*6.5	*10.5	57	6	4	5.0	9.5	48	5	6	*5.0	*8.5	20	7	4	4.0	6.0
20	154	8	4	8.0	14.0	127	8	10	8.0	14.5	105	5	9	6.5	12.5	84	9	10	*5.0	*11.0	60	7	7	*5.5	*9.5	59	8	4	*5.0	*10.0	48	4	6	5.5	9.0	20	2	4	2.5	4.0
21	154	7	2	8.5	14.0	131	5	13	9.0	15.5	109	5	7	*6.0	*11.0	86	7	7	2.5	3.5	63	6	8	6.0	11.5	61	6	8	5.0	8.0	45	5	3	5.0	8.5	18	3	4	2.0	3.5
22	155	5	3	8.5	14.0	129	7	10	9.0	16.0	109	8	6	6.5	12.0	88	5	9	2.0	4.0	61	6	6	*7.5	*12.5	59	7	6	5.0	10.0	44	4	4	5.0	8.5	16	5	2	1.0	3.0
23	156	5	4	8.5	14.0	129	6	10	9.5	16.5	109	8	6	*7.0	*12.0	90	2	12	*3.0	*6.0	62	12	8	6.0	11.0	59	5	6	*4.0	*7.0	42	5	4	5.0	8.0	16	6	2	1.0	3.0

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.135					.500					2.5				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	114	8	6			88	11	10			72	8	7		
01	114	7	7			88	9	11			73	6	11		
02	112	9	5			88	7	11			71	7	7		
03	112	8	5			88	7	10			71	7	8		
04	112	8	6			81	11	9			69	6	8		
05	104	8	10			61	15	6			49	10	7		
06	104	7	13			64	5	9			42	9	7		
07	104	10	14			63	7	7			35	10	4		
08	102	11	14			61	13	5			30	12	3		
09	103	10	14			61	12	6			29	9	3		
10	103	10	15			63	10	6			28	9	2		
11	103	13	14			63	23	5			28	25	3		
12	104	16	14			67	28	6			37	28	3		
13	106	17	14			70	26	2			39	23	6		
14	111	11	15			73	26	10			41	29	6		
15	112	12	14			69	31	5			43	27	8		
16	112	12	13			75	22	12			42	26	10		
17	108	17	11			71	31	9			44	31	8		
18	108	21	14			75	32	14			50	30	8		
19	108	22	14			76	33	15			62	21	10		
20	109	20	7			79	25	8			70	13	7		
21	113	15	5			81	23	5			71	13	6		
22	114	13	5			87	16	10			72	12	6		
23	114	10	4			89	11	10			72	10	5		

Hour (LST)	5					10					20														
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	65	5	4			48	6	3			24	1	2												
01	65	5	4			47	5	3			24	2	2												
02	64	4	6			47	5	5			24	1	2												
03	64	3	4			45	4	3			24	0	2												
04	64	3	4			46	2	3			24	0	2												
05	56	5	6			44	5	2			23	1	1												
06	49	4	6			44	5	1			23	1	1												
07	44	6	5			43	5	3			23	2	2												
08	39	8	5			42	4	5			25	4	1												
09	37	7	5			40	5	4			25	4	1												
10	36	4	5			40	2	4			25	3	1												
11	34	9	4			39	4	3			25	4	1												
12	36	13	7			40	3	5			28	4	1												
13	38	15	8			41	4	5			28	4	1												
14	40	12	8			42	5	4			28	4	1												
15	42	12	9			44	5	4			29	3	1												
16	48	13	9			47	2	4			29	3	3												
17	50	18	7			49	5	3			30	4	3												
18	56	16	7			51	6	4			32	2	5												
19	63	14	6			53	6	4			32	3	4												
20	67	7	5			53	6	5			25	4	2												
21	68	6	6			53	4	5			26	4	2												
22	67	7	4			51	6	4			24	4	0												
23	67	6	4			50	6	3			24	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-DL

MONTH-HOUR VALUES OF RADIO NOISE

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

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_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	116	5	5			89	7	4			76	5	4			66	4	3			47	3	2			23	1	0											
01	115	6	4			90	7	4			75	5	5			65	4	3			45	3	3			23	1	0											
02	115	6	5			90	7	6			75	5	6			66	4	5			44	2	3			23	1	0											
03	116	6	6			89	7	6			74	4	6			63	5	3			42	4	2			23	1	1											
04	116	7	6			85	7	6			72	4	8			63	4	4			41	4	3			23	1	1											
05	109	11	8			68	15	9			53	7	8			57	3	9			41	4	4			22	1	0											
06	109	9	11			66	14	8			41	14	9			48	6	9			42	3	5			22	1	1											
07	107	10	10			64	14	6			35	13	5			41	9	6			40	5	3			22	3	1											
08	103	12	9			61	15	4			29	11	5			37	7	7			41	3	4			25	3	2											
09	105	12	10			61	16	4			28	12	3			34	8	5			39	3	4			25	2	2											
10	106	9	10			64	12	6			29	14	4			32	8	3			38	3	3			25	2	2											
11	108	8	10			67	16	8			30	20	5			32	11	3			39	3	5			25	2	2											
12	110	13	9			74	24	11			40	24	6			36	16	4			40	4	4			28	4	2											
13	114	14	10			78	22	14			45	23	10			38	17	6			42	7	4			29	3	2											
14	118	12	14			87	19	24			54	21	19			43	18	10			43	7	4			29	6	2											
15	119	11	14			91	18	24			58	20	22			49	13	12			46	6	4			30	7	2											
16	120	12	13			91	16	24			58	18	20			50	11	11			46	5	4			28	6	3											
17	119	10	12			89	16	20			58	17	18			53	9	7			50	3	4			30	4	4											
18	116	16	10			87	23	21			59	20	15			57	8	6			52	5	3			30	4	4											
19	117	11	11			87	16	17			67	20	8			62	5	3			53	5	2			30	3	3											
20	116	8	8			87	10	11			74	3	6			67	1	2			54	3	2			26	3	2											
21	118	6	6			89	6	8			76	3	5			67	3	2			52	4	2			25	2	2											
22	117	6	3			89	7	7			76	3	5			67	3	2			50	4	2			24	1	1											
23	117	5	5			89	8	3			76	4	4			67	3	2			49	3	4			23	1	0											

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

USCOMM-NBS-DL

MONTH-HOUR VALUES OF RADIO NOISE

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

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	115	5	5			92	4	7			76	4	6			65	3	4			46	4	4			24	1	1												
01	116	5	6			92	6	6			77	3	7			65	4	4			45	3	4			24	1	1												
02	115	5	6			91	7	5			76	3	6			64	5	3			45	2	5			22	2	0												
03	115	5	6			91	6	7			76	3	7			64	3	4			43	4	2			22	1	1												
04	115	5	5			90	5	6			75	3	6			63	3	3			43	3	3			22	1	1												
05	110	5	8			74	7	6			65	5	6			60	3	2			44	2	4			22	0	1												
06	104	9	8			65	10	8			51	5	8			51	3	6			45	2	3			22	1	1												
07	104	10	11			63	12	7			44	10	5			45	5	6			44	3	3			22	1	1												
08	103	11	10			61	10	5			32	10	3			35	7	4			41	3	3			25	2	1												
09	101	11	9			61	11	5			29	9	2			31	8	3			39	4	3			26	1	2												
10	103	9	9			62	10	5			29	10	3			29	8	2			38	4	4			25	2	1												
11	106	9	10			63	12	5			30	10	4			28	9	2			38	5	4			25	2	1												
12	106	10	9			70	14	6			35	18	3			33	12	2			40	4	4			29	3	0												
13	110	11	10			75	21	11			38	25	5			38	15	6			43	2	5			30	3	1												
14	114	11	12			78	25	13			44	23	10			43	12	9			44	3	4			30	3	1												
15	116	7	14			82	17	14			44	20	9			47	6	10			46	3	3			32	2	2												
16	116	7	13			84	14	17			52	15	15			50	6	9			48	2	3			28	3	1												
17	116	10	12			82	17	16			57	12	15			56	5	7			50	2	2			30	2	3												
18	112	12	8			82	14	15			63	9	9			60	5	6			53	2	3			30	2	2												
19	115	9	8			85	12	10			74	7	10			66	4	5			54	2	2			30	2	3												
20	116	8	6			88	7	7			77	5	8			68	3	4			54	2	3			26	2	2												
21	116	6	5			90	5	7			77	4	7			67	3	4			53	2	4			26	1	2												
22	116	4	6			90	5	6			77	3	7			66	3	4			49	4	3			24	1	1												
23	116	4	5			91	5	6			77	2	7			65	5	3			47	5	2			23	1	0												

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

USCOMM-NBS-DC

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	155	2	2	8.0	13.5	126	2	5	9.0	15.0	100	5	6	9.0	*15.0	75	9	5	*8.0	*15.5	53	8	2	6.0	9.5	58	6	5	*5.0	*8.5	41	4	2	3.0	5.5	25	2	0	1.5	3.0
01	155	2	2	8.0	13.0	126	4	2	9.0	16.0	102	3	6	8.5	15.0	77	6	4	10.0	17.5	55	4	4	6.5	10.0	62	6	7	*7.0	*13.0	41	4	3	2.5	5.0	25	2	0	1.5	3.0
02	155	2	2	8.0	14.0	126	5	2	10.0	16.0	100	5	4	10.5	16.5	75	7	6	10.0	17.5	55	4	2	7.0	11.0	64	5	7	*5.0	*11.5	41	5	3	2.5	4.5	25	2	0	0.5	2.5
03	155	2	3	9.0	15.0	128	5	3	9.5	16.0	102	5	6	10.0	17.0	76	9	7	*7.0	*14.5	55	4	4	7.0	11.0	62	5	6	*5.5	*11.0	39	5	3	3.0	5.0	25	0	0	1.0	2.5
04	155	2	2	10.0	16.5	127	5	3	10.5	17.0	100	8	4	11.0	17.5	77	6	7	9.5	16.0	55	5	4	6.5	12.0	54	13	8	5.0	9.0	39	4	2	3.5	5.5	25	0	0	1.0	2.5
05	155	2	3	10.5	17.0	128	6	4	11.0	18.0	100	7	5	10.5	17.0	72	7	5	*10.0	*16.5	55	5	4	7.0	10.0	52	6	6	6.0	10.0	39	4	4	2.5	5.0	25	0	0	1.0	2.5
06	155	2	3	11.0	17.5	120	5	4	9.5	16.5	78	4	2	8.5	13.0	53	12	2	*2.5	*4.0	50	7	3	6.5	9.0	48	4	5	5.5	8.5	37	5	4	*2.5	*4.5	25	3	0	1.0	3.0
07	151	3	2	10.0	16.0	114	4	4	10.0	16.0	72	4	4	7.5	14.0	51	11	2	*2.5	*4.0	43	2	4	3.0	5.0	36	4	6	*9.5	*14.5	33	4	4	*2.5	*5.0	25	0	2	1.5	3.0
08	151	2	2	11.0	17.5	108	4	4	8.5	14.0	74	9	4	8.0	15.0	50	6	2	*3.0	*4.0	37	4	6	3.0	5.0	28	6	4	*8.5	*12.0	29	5	4	*4.0	*6.0	23	2	0	2.0	3.5
09	151	2	2	9.0	15.0	106	10	2	7.0	11.0	73	10	3	*8.0	*14.5	49	4	2	*2.5	*4.0	33	4	2	3.5	5.0	24	4	4	3.0	5.0	23	4	3	*4.0	*7.0	23	0	2	1.5	3.0
10	151	2	2	9.0	14.5	109	10	3	6.5	10.5	74	12	4	7.5	13.5	49	8	2	*2.0	*3.5	33	2	4	2.5	4.5	24	4	4	4.5	8.0	19	6	2	*7.5	*10.5	21	2	0	1.5	3.0
11	151	2	2	9.5	14.5	113	7	5	10.0	13.5	74	16	6	7.5	14.0	49	9	5	*3.0	*4.0	31	6	2	3.0	4.5	22	6	2	*6.0	*8.0	19	4	6	*4.0	*6.0	21	2	2	*3.0	*4.0
12	151	2	2	9.0	14.0	112	8	4	8.0	12.5	74	10	6	*7.5	*14.0	49	8	2	*3.0	*5.0	32	3	3	*2.0	*4.0	22	4	2	*5.0	*7.0	15	6	4	*6.0	*9.5	21	2	0	2.0	3.0
13	151	2	2	8.0	13.5	111	9	3	8.0	13.0	72	14	4	*7.0	*13.0	49	15	2	*5.0	*8.0	33	1	4	2.5	4.0	23	5	3	*4.5	*6.5	15	4	6	*2.0	*3.5	23	2	2	2.5	4.0
14	151	2	2	9.0	14.0	110	6	4	7.5	12.0	72	10	2	*6.0	*12.5	51	10	4			32	7	3	*2.0	*4.0	24	2	4	*4.0	*5.5	15	8	4	*4.0	*6.0	23	4	0	2.5	4.0
15	149	4	2	9.0	15.0	108	10	2	8.0	13.0	72	12	4	*8.0	*14.5	53	12	6	*7.0	*9.0	31	4	3	*3.0	*5.0	24	4	6	*6.5	*9.5	19	6	2	*3.0	*4.5	25	2	2	3.0	5.0
16	149	4	2	10.0	15.0	106	8	4	*7.0	*4.5	72	4	2	*7.0	*13.0	51	11	4	3.5	6.5	33	4	5	2.5	4.0	24	4	4	*4.0	*5.5	25	4	2	4.0	6.0	25	4	2	2.0	4.0
17	149	2	4	10.5	16.0	104	5	4	7.5	12.0	70	6	2	7.0	14.0	51	6	4	*2.5	*5.0	33	4	2	2.5	4.0	24	8	4			33	5	2	3.5	6.5	27	2	2	3.0	5.0
18	149	2	4	9.5	16.0	104	4	4	*5.5	*10.0	74	3	3	5.0	10.0	54	6	3	*5.0	*9.0	35	2	4	3.5	5.0	36	2	6	*5.0	*7.5	39	4	4	3.0	5.0	27	2	2	3.0	5.0
19	149	2	2	8.0	14.0	110	2	4	5.5	9.5	88	5	6	*5.0	*9.5	65	10	7	*7.0	*11.0	43	4	5	3.5	6.0	45	3	4	5.0	8.0	41	2	4	2.5	5.5	25	4	0	2.0	4.0
20	149	2	2	8.0	13.5	118	4	4	*7.0	*13.5	94	2	6	6.0	10.5	71	5	10	*8.5	*13.5	49	3	3	*3.0	*8.5	48	4	2	*3.0	*8.0	41	3	4	3.5	5.0	25	2	0	2.5	4.0
21	151	2	2	7.5	13.5	121	3	5	7.5	13.0	95	3	4	7.0	12.0	71	9	2	*1.5	*8.5	51	5	4	5.5	9.0	50	3	5	4.5	8.5	41	3	4	3.0	5.0	25	2	0	2.0	3.5
22	153	0	2	7.5	13.5	122	4	2	8.0	13.5	98	3	4	7.0	13.0	75	6	8	9.5	*15.5	53	4	4	6.0	9.0	50	4	4	4.0	9.0	39	6	0	3.0	5.0	25	2	0	1.5	3.0
23	153	2	2	7.0	12.5	124	2	4	9.0	*15.5	98	4	4	6.5	11.5	75	6	6	*8.5	*14.5	53	6	2	7.0	10.5	50	3	4	5.0	8.5	41	4	2	2.5	5.0	25	2	0	2.0	3.5

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

USCOMM-NBS-DC

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013 Fam	.013 Du	.013 Dℓ	.013 Vdm	.013 Ldm	.051 Fam	.051 Du	.051 Dℓ	.051 Vdm	.051 Ldm	.160 Fam	.160 Du	.160 Dℓ	.160 Vdm	.160 Ldm	.495 Fam	.495 Du	.495 Dℓ	.495 Vdm*	.495 Ldm*
00	155	3	3	8.0	13.5	128	5	4	8.5	13.5	103	8	6	7.0	13.0	75	18	6	11.0	17.0
01	155	2	0	8.0	14.0	128	5	2	9.0	15.0	103	8	4	8.0	13.0	77	14	6	10.0	17.5
02	157	2	3	8.5	15.0	130	5	3	9.0	14.0	104	10	6	9.0	15.0	79	13	8	11.5	17.5
03	157	2	3	10.0	16.0	132	3	5	9.5	15.0	105	9	7	10.0	16.0	77	18	6	12.0	22.5
04	155	3	1	10.5	17.0	132	2	5	10.0	16.5	106	7	7	9.0	16.5	77	12	8	11.0	18.0
05	155	4	2	11.5	19.0	130	4	3	11.0	18.0	105	7	6	11.0	18.5	74	13	8	11.5	20.0
06	155	2	2	11.5	18.5	124	5	4	13.0	20.0	87	15	6	11.5	22.0	54	20	3	12.0	23.5
07	153	2	4	10.5	17.5	119	7	5	10.5	18.0	75	25	5	8.0	15.5	53	23	8	2.5	4.0
08	151	4	2	10.5	17.5	114	8	8	11.5	17.5	77	22	6	11.5	22.0	53	26	6	7.0	14.0
09	151	4	2	9.5	15.0	114	9	7	10.0	16.0	81	19	10	7.5	14.0	53	21	7	6.0	10.5
10	153	2	4	10.0	15.5	115	8	5	9.0	15.0	79	25	10	9.5	18.5	53	19	6	6.0	8.0
11	153	2	2	7.5	12.5	117	8	5	11.5	16.0	75	20	6	9.0	18.0	52	19	7	5.5	7.5
12	152	3	1	8.5	13.0	116	8	3	7.5	11.5	73	22	4	12.0	22.0	49	29	4	4.0	5.5
13	153	4	4	8.0	12.5	116	8	4	12.5	19.5	77	17	8	6.5	13.0	50	33	5	3.5	5.0
14	151	4	0	7.5	13.0	114	12	4	9.5	15.0	73	34	4	10.0	18.0	49	33	4	4.5	6.5
15	151	2	2	9.0	14.0	112	10	2	9.0	14.0	73	25	4	8.5	14.0	51	19	6	3.5	8.0
16	149	2	2	10.0	15.0	110	8	3	6.5	10.0	72	9	3	10.5	16.0	52	16	6	4.0	5.5
17	149	3	2	9.5	15.0	106	11	2	9.5	15.0	71	13	2	6.5	13.0	57	24	6	2.5	4.5
18	149	2	2	10.5	16.0	108	6	4	7.0	12.0	78	18	3	7.0	13.0	51	20	6	11.5	21.0
19	149	2	2	8.0	13.0	114	2	4	7.0	12.5	90	11	5	7.0	12.5	59	16	5	5.5	8.5
20	151	2	2	7.0	12.0	118	7	2	8.0	14.0	95	8	4	6.0	12.5	66	19	5	7.0	14.0
21	151	3	1	8.0	13.5	122	6	4	8.5	14.5	97	7	5	6.5	12.5	70	12	5	9.5	13.0
22	153	2	2	7.5	12.0	124	6	2	8.0	14.0	99	11	4	7.0	13.0	74	14	7	6.5	11.0
23	155	2	2	7.5	12.5	126	6	4	11.0	17.0	101	9	4	6.5	12.0	75	19	8	9.5	15.0

Hour (LST)	2.5 Fam	2.5 Du	2.5 Dℓ	2.5 Vdm	2.5 Ldm	5 Fam	5 Du	5 Dℓ	5 Vdm	5 Ldm	10 Fam	10 Du	10 Dℓ	10 Vdm	10 Ldm	20 Fam	20 Du	20 Dℓ	20 Vdm	20 Ldm
00	57	8	4	6.5	11.0	60	6	7	6.5	10.5	41	4	3	2.0	5.0	25	0	2	1.0	2.5
01	57	8	4	6.0	9.5	62	6	4	5.0	9.5	41	4	1	2.5	4.5	25	1	0	1.0	3.0
02	57	7	4	7.0	11.5	64	10	2	6.0	10.0	41	4	3	2.0	4.0	25	0	2	0.5	2.5
03	58	6	5	7.0	13.0	61	8	11	4.5	9.0	39	4	3	2.5	4.5	25	0	2	1.0	2.5
04	58	7	5	10.0	14.0	50	16	2	5.0	9.0	37	5	4	2.5	4.0	25	0	2	0.5	2.5
05	57	7	4	6.5	10.5	50	5	4	5.5	8.5	35	6	3	1.5	3.5	25	0	2	1.0	2.5
06	54	7	5	7.0	11.5	50	4	4	5.5	9.0	37	3	4	2.5	5.0	25	0	2	1.0	3.0
07	43	7	5	3.0	5.0	38	5	9	5.0	8.0	33	4	4	3.5	5.0	23	2	0	1.5	3.0
08	37	4	4	2.0	4.0	28	12	7	6.0	9.0	29	5	5	3.0	5.0	23	2	2	1.0	3.0
09	34	6	4	2.0	4.0	22	10	4	3.0	5.0	25	3	4	3.5	6.0	23	0	2	2.0	3.0
10	33	9	2	2.5	5.0	24	6	5	6.0	8.0	23	4	5	4.0	6.0	21	2	1	1.5	3.0
11	33	12	2	2.5	4.5	22	8	4	6.0	8.5	19	6	4	2.0	3.5	21	2	2	2.0	3.5
12	33	6	3	2.0	5.0	22	4	6	3.0	5.0	17	10	4	2.5	4.0	21	2	2	2.0	3.0
13	33	8	4	2.5	4.5	20	10	2	4.0	6.0	19	4	8			23	0	2	2.5	4.0
14	32	17	3	2.5	4.0	22	4	4			17	14	6	2.5	4.5	23	2	2	2.0	4.0
15	33	6	4	2.5	4.0	22	8	4	7.0	9.5	21	6	6	1.5	2.5	24	1	3	2.5	4.5
16	33	11	4	2.0	4.0	22	10	5	6.0	8.5	27	7	3	3.0	5.0	25	2	2	2.5	4.0
17	33	5	4	3.0	4.5	26	8	6			35	5	2	3.5	6.0	27	1	4	2.0	4.0
18	35	9	5	2.5	4.5	36	7	6	2.0	3.0	41	3	6	2.0	4.0	25	5	0	2.5	4.0
19	42	7	5	2.0	4.5	46	7	4	4.0	7.5	43	2	4	3.5	6.0	25	4	0	1.5	3.0
20	47	9	2	3.0	5.5	50	4	4	5.0	7.5	41	3	2	3.0	5.5	25	2	0	1.0	3.0
21	51	9	2	4.5	8.0	51	5	4	4.0	7.5	41	2	2	3.0	6.0	25	2	0	1.0	3.0
22	53	10	4	6.0	9.5	52	5	5	4.0	7.5	41	2	4	4.0	6.0	25	0	2	1.5	3.0
23	55	9	4	7.0	10.0	52	4	4	5.0	8.5	41	3	4	3.0	5.0	25	1	2	1.0	3.0

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	153	3	1	8.5	14.0	124	6	3	9.5	15.5	101	8	6	9.5	15.0	78	10	7	11.0	19.0	56	5	5	*3.5	*6.5	60	6	10	5.0	9.0	41	3	4	3.0	5.0	25	0	2	1.5	3.5
01	155	2	2	8.0	14.5	126	4	4	10.0	16.5	103	4	6	9.5	16.0	78	13	6	9.5	18.5	56	5	3	*5.0	*8.0	62	6	11	4.0	8.0	39	2	2	4.0	6.0	25	0	2	2.0	3.5
02	153	4	2	10.0	16.0	126	6	4	10.5	16.0	104	6	6	11.0	18.0	80	9	8	12.5	17.0	55	8	3	*5.0	*8.0	64	7	10	5.0	8.5	38	2	3	3.5	6.5	23	2	0	*2.0	*3.0
03	153	3	2	11.0	17.0	128	6	6	11.5	18.5	103	7	7	12.5	20.0	79	10	5	13.5	21.5	57	5	6	*4.5	*7.5	52	17	6	5.0	8.5	37	2	4	2.0	5.0	23	2	0	1.0	3.0
04	153	4	2	*11.5	*17.5	128	4	5	13.0	21.5	104	5	6	12.5	19.5	78	10	7	17.0	29.0	55	8	5	*6.5	*10.0	51	16	8	4.0	7.0	35	5	4	2.0	4.0	23	2	0	1.0	2.5
05	153	4	4	*12.0	*18.0	128	6	4	12.0	20.0	102	6	5	10.5	19.0	75	11	5	10.0	23.0	55	4	7	*4.5	*7.5	49	8	5	5.5	9.0	35	2	4	3.0	5.0	23	2	0	1.0	2.5
06	153	4	2	*12.0	*19.0	122	5	4	13.0	20.0	88	12	2	13.0	20.0	56	12	5	8.0	16.0	52	6	6	5.0	8.0	50	4	4	6.0	10.0	35	4	2	3.0	5.0	23	2	0	2.0	4.0
07	149	4	2	*11.0	*18.5	114	7	2	12.0	20.5	72	13	6	10.0	18.5	51	9	4	6.0	8.0	39	12	4	2.0	4.5	36	6	4	7.0	11.0	33	2	2	3.5	6.0	23	2	0	1.5	3.0
08	148	4	2	11.5	17.5	108	8	2	11.0	18.0	70	7	6	8.0	17.0	50	14	4	3.0	4.5	35	5	4	3.0	5.5	28	6	6	3.5	6.0	27	2	2	2.0	3.5	23	2	2	*2.0	*4.0
09	149	4	2	9.5	15.0	109	10	3	11.0	17.0	70	22	5	8.5	16.5	49	15	3	7.0	9.0	33	6	2	*2.5	*4.5	22	8	4	4.0	5.5	23	4	4	1.5	4.0	21	2	0	*2.0	*3.0
10	150	3	1	9.5	15.0	110	8	2	9.5	15.5	72	20	8	15.0	26.0	49	17	3	6.5	8.5	33	2	4	3.0	4.5	22	8	4	5.0	8.0	19	8	8	2.0	4.0	21	2	0	2.0	3.5
11	151	2	2	9.5	14.0	112	4	3	6.0	11.0	70	12	6	8.5	15.0	48	16	3	2.5	4.0	32	1	3	2.0	4.0	20	8	2	4.5	8.0	15	8	4	6.0	8.0	19	2	0	*1.0	*3.0
12	151	2	0	7.5	12.5	114	2	4	8.0	14.5	70	10	6	7.0	12.5	48	20	2	4.0	5.5	31	2	2	*3.0	*5.0	20	8	2	5.0	8.5	14	6	3			21	2	2	*2.0	*4.0
13	151	2	2	8.0	13.0	112	6	4	8.0	13.5	70	14	4	18.5	28.0	48	20	2	4.0	5.5	31	2	2	2.5	4.0	19	6	2	6.0	9.0	13	8	4	2.0	4.0	23	2	2	2.0	4.5
14	151	2	2	9.0	14.5	110	4	2	8.0	13.0	68	24	4	6.0	12.0	48	16	2	1.5	3.5	31	3	4	2.5	4.5	20	6	4	6.0	9.0	17	8	5			25	2	2	*2.0	*4.0
15	149	4	0	*9.5	*15.5	110	5	4	8.0	14.0	68	10	4	8.5	15.0	48	6	2	15.5	28.0	31	2	2	*2.0	*4.0	20	6	3	2.5	4.5	21	3	3	3.0	6.5	25	4	2	*3.5	*6.0
16	149	2	2	10.0	17.0	108	6	4	9.5	16.0	70	9	5	7.5	15.0	50	16	4	3.0	5.0	31	3	4	*2.5	*4.5	22	4	4	7.5	12.5	29	4	2	5.0	7.5	27	2	2	2.5	5.0
17	147	5	2	10.5	17.5	106	11	4	8.5	13.5	72	13	8	8.0	14.5	48	16	3	3.0	5.0	31	8	2	*2.0	*4.0	27	9	5	7.0	10.0	35	6	2	4.5	7.5	27	2	4	2.5	5.0
18	147	4	2	10.0	16.0	107	5	3	10.0	15.5	78	7	4	5.0	10.0	52	14	4	1.5	3.0	33	7	3	4.0	5.5	38	6	2	7.0	11.5	40	5	3	4.0	6.0	26	3	1	2.0	4.5
19	149	2	4	*9.0	*16.0	114	6	2	7.0	13.0	90	8	3	6.0	10.5	64	11	8	3.5	7.0	43	10	4	*3.0	*6.0	46	6	2	6.0	9.0	37	6	0	3.0	6.0	25	3	2	2.0	4.0
20	149	3	2	8.5	15.0	117	5	3	6.5	12.5	94	4	5	11.5	16.0	70	11	5	4.0	7.5	51	7	4	4.0	7.0	50	7	4	6.0	10.0	41	2	3	3.0	6.0	25	0	2	2.0	4.0
21	151	1	1	*8.0	*15.0	119	5	4	7.0	13.5	96	6	6	7.0	13.0	74	7	8	8.5	13.5	53	5	4	*3.5	*6.5	48	6	2	4.0	7.5	41	2	2	3.5	6.5	25	0	2	2.0	3.5
22	153	1	2	9.0	15.0	122	4	4	8.5	14.5	96	6	4	7.0	12.0	74	10	6	5.0	10.0	55	6	4	3.5	6.0	50	4	2	4.5	8.5	41	2	2	3.0	5.5	24	1	1	1.5	3.5
23	153	3	2	*8.5	*15.5	122	5	2	11.0	17.0	100	6	8	9.5	14.0	78	10	7	7.5	10.5	55	5	5	*5.0	*7.5	51	4	3	4.0	8.0	40	3	3	3.0	5.0	25	0	2	1.5	3.5

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.545					2.5					5					10									
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	162	2	4	8.0	11.0	140	4	6	8.5	12.5	119	5	9	7.0	10.0	100	4	10	*6.5	*8.5	74	7	12			65	7	14			51									
01	162	2	4	8.0	11.0	140	4	6	*8.0	*11.0	119	8	8	*6.5	*9.5	98	10	6	7.0	9.5	*75	8	14			65	8	12			51									
02	161	3	3	9.0	12.0	140	2	8	7.5	11.0	119	6	8	7.5	11.0	100	6	12	7.0	*10.5	72	9	9			61	10	11			51									
03	160	4	2	10.0	*13.5	140	6	6	10.0	13.0	119	6	10	*8.5	12.0	98	8	10	*7.0	*11.0	71	12	12			63	9	14			49									
04	160	4	4	10.0	13.0	140	4	10	*11.5	*16.0	117	10	12	*9.0	*13.5	92	12	12	11.5	17.0	70	11	10			60	8	12			47									
05	158	4	2	10.0	13.0	132	14	4	*11.5	*15.5	108	16	14	*12.0	*15.0	95	9	12	11.5	17.0	63	12	8			*61					49									
06	156	4	2	14.0	18.0	130	13	6	13.0	18.0	107	17	11	11.5	*16.5	88	16	21	*16.0	*20.0	59	13	15			51	12	13			47									
07	157	4	5	*12.0	*16.0	130	16	8	*12.0	17.0	105	12	7	*15.0	*18.5	88	19	22	*13.5	*17.0	53	24	15			47	11	8			44									
08	156	5	3	*11.0	*15.0	130	10	8	*11.0	15.0	101	13	7	*14.5	*18.5	88	18	22	*12.5	*17.5	*43					*41					42									
09	*157			*10.5	*14.0	132	9	*15	*10.0	14.5	105	8	6	*7.5	*11.0	*84			*9.0	*12.0	*45					*46					43									
10	*158			*10.5	*13.5	132	13	14	*11.0	16.0	107	14	8	*16.0	*15.0	86	23	10	*11.0	*14.0	*43					*46					51									
11	159	4	3	*10.0	*13.0	132	15	14	*9.5	13.0	105	14	6	*9.5	*14.5	88	20	13	*8.0	*12.0	*49					*45					47									
12	160	4	4	*8.0	11.0	132	11	*5	*9.5	13.0	109	19	7	*9.0	*12.5	91	12	14	*6.0	*9.5	51	16	12			*42					43									
13	162	2	4	9.0	12.5	136	10	6	*8.5	12.0	115	14	10	*7.0	*10.0	95	13	13	*7.0	*10.0	53	16	10			47	15	12			48									
14	164	4	4	*8.5	*11.0	140	10	6	7.0	10.5	121	8	14	8.0	11.5	98	12	12	*11.0	*15.5	59	26	14			53	18	14			52									
15	164	3	2	*11.0	*14.0	140	12	6	8.5	11.0	119	8	10	*9.5	12.5	94	12	12	*6.0	*9.0	67	18	13			53	19	*15			52									
16	164	3	2	9.0	11.0	139	11	5	9.0	11.5	118	11	11	*7.5	11.5	98	6	12	11.0	14.5	59	18	16			51	16	9			52									
17	163	3	3	*8.0	11.0	138	6	6	*8.5	11.5	117	8	10	8.0	12.0	94	7	*15	9.0	12.0	59	15	11			57	6	6			50									
18	162	3	4	7.0	10.0	138	4	6	8.0	11.5	113	10	6	8.0	10.0	93	13	9	*7.0	*10.0	61	8	10			59	7	7			51									
19	160	2	2	*8.5	11.0	138	4	6	*8.5	11.5	117	10	6	7.0	10.5	96	8	6	*7.5	10.0	69	6	10			63	6	6			53									
20	160	2	2	9.0	12.0	138	6	6	9.0	13.5	117	8	4	*8.5	12.5	96	6	4	*8.5	*12.0	72	7	12			63	8	8			55									
21	160	2	2	*8.5	*10.5	138	6	6	9.5	13.5	119	6	6	8.0	11.0	96	8	4	8.0	12.0	69	10	4			65	8	11			53									
22	162	2	4	*8.5	*11.0	138	6	6	9.5	12.0	119	6	6	8.5	10.5	96	6	4	8.0	12.5	73	7	9			64	11	9			51									
23	162	2	4	*8.0	*11.0	140	4	4	8.5	12.0	119	8	8	7.0	10.0	100	8	6	*7.0	*9.5	73	8	12			65	7	14			51									

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Ohira, Japan Lat. 35.6 N Long. 140.5 E Month June 19 61

Frequency (Mc)

Hour (LST)	.013					.051					.160					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	157	2	3	10.0	14.0	131	5	5	8.5	15.0	107	5	3	7.0	12.5	82	8	4	7.0	12.5	63	6	8	4.5	9.0	60	8	6	4.0	7.5	47	4	4	3.0	7.5	26	2	4	1.0	2.0
01	157	2	4	9.5	14.0	131	4	4	8.0	12.5	108	6	5	8.0	13.0	82	6	6	7.5	12.0	61	6	4	4.0	8.0	58	7	8	4.0	9.0	46	6	6	3.0	5.5	24	4	2	1.0	2.0
02	155	4	2	*9.5	*12.5	131	2	4	*9.0	*13.5	108	5	3	9.0	14.5	82	8	6	8.0	14.5	61	6	4	5.0	8.5	58	6	2	4.0	7.5	45	2	4	4.5	7.5	24	3	1	0.5	2.0
03	157	2	2	9.5	14.0	131	4	2	*9.0	*14.0	107	4	3	9.0	15.5	79	7	7	8.0	15.5	61	6	4	5.0	8.0	59	3	5	5.0	8.0	39	6	2	4.5	7.5	24	2	2	0.5	2.0
04	157	2	4	10.5	15.0	127	4	4	*10.5	*15.5	99	13	4	7.5	13.0	64	10	6	3.0	4.5	59	7	6	4.5	7.0	56	4	4	3.5	6.0	40	7	3	3.0	5.5	24	0	2	1.0	2.0
05	155	4	4	*10.5	*14.0	124	6	4	*10.5	*17.0	88	18	13	9.5	15.0	66	8	4	5.0	7.5	45	11	4	4.0	6.0	50	4	6	4.0	7.0	39	4	4	3.5	5.0	24	2	2	1.0	2.5
06	153	4	4	10.5	15.0	119	8	4	*10.5	*16.5	88	16	12	10.5	17.0	64	11	3	6.5	11.5	39	17	2	5.0	8.0	42	5	6	3.5	6.0	37	5	4	3.0	6.0	24	2	2	1.0	2.5
07	157	3	8	11.0	15.5	121	8	7	*10.5	*19.0	90	14	15	10.0	18.0	67	10	5	5.0	8.0	37	20	2	4.5	6.0	38	10	6	6.0	9.0	35	6	6			24	2	2	0.5	2.0
08	154	5	5	*12.5	*17.5	121	4	12	*12.5	*16.5	88	16	14	11.0	16.0	66	10	2	1.5	5.0	33	10	2	4.0	5.5	36	7	4	6.0	7.0	34	2	6			24	2	2	1.0	2.5
09	155	4	5	*14.0	*21.0	119	6	10			*86			12.5	20.0	*66			4.0	8.5	33	6	2	4.5	6.0	34	2	4	7.0	10.0	*29					*24			1.5	2.0
10	*153			*12.0	*16.0	*121			*13.0	*19.0	*88			12.5	18.0	*68			3.0	6.0	*33					*31			5.0	9.0	*27					22	4	2	1.0	1.0
11	155	2	6	*12.0	*17.0	123	4	6	*12.0	*18.0	86	10	10	14.5	19.0	66	6	4	2.0	4.0	35	5	2	5.0	7.0	32	4	3	5.5	7.5	28	5	3	2.5	4.5	24	2	2	1.0	2.0
12	155	6	4	12.0	17.5	123	8	8	12.0	16.5	89	11	13	7.5	10.0	70	8	8	8.0	12.0	33	4	2	6.0	8.5	32	9	7	5.0	7.5	27	7	4	3.0	5.5	24	2	3	1.0	2.0
13	155	4	4	12.0	16.0	123	11	6	10.5	16.0	90	10	14	7.0	11.5	66	11	4	5.0	7.5	33	9	1	4.5	7.5	33	9	5	3.0	5.5	29	4	5	2.5	5.0	24	4	2	0.5	2.5
14	155	4	2	11.0	16.0	125	8	7	9.0	15.0	90	10	12	8.0	12.0	66	24	4	5.0	8.0	33	10	2	5.0	7.0	34	7	8	4.5	6.5	33	4	8	2.0	4.0	24	6	2	2.0	4.0
15	157	4	4	*8.5	*13.0	126	7	7	7.0	12.0	90	9	13	7.0	12.0	67	14	5	4.5	8.5	33	8	0	4.5	6.0	36	13	6	6.0	9.0	33	8	6	4.0	6.5	26	2	4	0.5	2.0
16	158	4	3	7.5	12.0	126	9	7	6.5	12.0	90	18	11	7.5	11.5	66	22	4	5.5	8.5	36	23	3			38	12	8	4.0	6.0	37	4	4	3.5	6.5	26	5	2	1.5	3.0
17	157	4	2	7.5	11.5	125	6	8	5.5	11.0	84	13	8	6.5	9.0	68	16	4	4.5	10.0	39	24	2	4.0	7.0	44	10	9	5.5	8.0	41	3	4	4.5	7.5	28	4	2	3.0	4.5
18	157	4	2	6.0	10.0	121	8	6	*5.5	*9.5	89	4	8	10.0	17.0	68	18	4	4.0	8.0	43	14	4			49	6	4	5.0	8.0	43	5	5	4.5	8.0	28	4	4	2.0	4.0
19	155	4	2	7.0	10.0	133	6	4	8.5	12.5	100	6	9	10.0	16.0	66	10	5	7.0	11.5	51	8	4	5.0	8.0	58	6	2	3.0	7.0	46	3	4	4.0	6.0	28	4	4	2.5	4.5
20	157	4	4	8.0	12.0	129	6	5	9.0	14.0	105	8	3	7.0	12.0	80	6	4	5.5	10.5	58	5	3	2.0	4.0	68	2	7	6.0	9.0	45	6	3	4.0	6.0	26	4	2	1.5	3.0
21	158	3	3	9.0	12.5	131	6	4	*8.0	*11.0	108	8	2	8.0	14.0	82	9	3	6.0	10.0	61	4	7	1.5	5.5	70	5	6			47	3	5	3.0	6.0	26	5	2	1.5	3.5
22	157	2	2	*9.5	*13.5	131	4	3	9.0	13.0	108	2	4	6.0	10.5	88	6	4	6.0	9.5	62	3	6	6.0	8.0	68	4	4	4.0	8.5	47	4	4	2.5	6.0	26	4	2	1.5	2.5
23	157	2	2	9.0	13.0	131	5	5	7.5	12.5	107	6	5	7.0	13.0	88	8	6	6.0	10.5	62	5	6	6.0	9.0	62	4	9	2.5	6.5	47	4	2	3.0	6.0	26	4	2	1.0	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 Ohira, Japan Lat. 35.6N Long. 140.5 E Month July 19 61

Frequency (Mc)

Hour (LST)	.013					.051					.160					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*
00	155	6	2	8.0	14.0	131	2	4	7.0	12.0	109	6	4	7.0	11.0	84	15	4	5.0	11.0	65	6	6	5.0	8.0	61	2	4	4.5	7.0	46	2	2	4.0	6.0	23	4	2	+1.0	+2.0
01	156	5	3	9.0	15.5	+131			4.0	7.0	109	6	5	5.5	12.0	86	10	6	4.0	10.0	63	6	2	5.0	9.0	+59			5.0	8.0	46	2	4	2.5	6.0	23	3	1	1.0	3.0
02	156	5	5	6.0	8.5	131	4	2	8.0	15.0	109	4	4	6.0	13.0	84	7	4	5.0	10.5	62	5	3	6.0	10.0	59	4	4	6.5	9.0	44	4	2	3.5	8.5	23	3	2	+1.0	+2.0
03	157	4	4	10.5	16.0	131	6	2	9.0	16.0	111	4	4	6.0	13.0	82	10	4	6.0	13.0	61	6	2	5.5	10.0	59	4	5	5.0	8.0	40	7	2	5.0	7.0	23	2	2	0.5	2.0
04	156	3	3	11.0	16.5	129	7	4	8.0	14.5	105	8	4	6.0	13.0	70	17	6			61	6	4	7.0	10.5	59	2	3	5.0	9.0	40	6	4	4.0	5.5	23	0	2	1.0	2.5
05	154	5	9	10.0	16.0	127	5	4	9.5	16.5	91	16	8	7.5	14.0	64	29	6	5.0	9.5	61	6	4	7.0	11.0	53	7	3	6.5	11.5	40	4	4	3.0	6.0	23	3	2	+1.0	+2.5
06	+152			11.0	17.0	124	12	9	11.0	18.0	95	19	16			+67			5.0	10.0	43	12	4	9.0	13.0	47	2	8	6.5	10.0	+38			7.0	9.5	+23			+2.0	+3.0
07	+154			14.0	20.0	125	6	10	11.5	18.5	93	22	10	14.5	21.0	+67			6.5	12.0	+39			8.0	11.5	+43			9.5	12.0	+36			5.0	7.0	+26			+2.5	+4.0
08	+155			12.5	21.0	+123					+93					+68					+37			6.5	9.0	+39			7.5	9.0	+32			5.0	7.0	+24			+2.0	+3.0
09	+154					+123			14.0	19.5	+92					+66					+38			8.5	11.0	+37			8.0	10.5	+30			7.0	9.5	+24			+2.0	+3.5
10	+153			10.0	16.5	+125			11.5	18.0	+91			12.5	19.5	+67			6.5	11.0	+35			4.0	8.5	+35			6.0	8.0	+28			2.0	4.0	+22			+2.0	+2.5
11	+154			7.0	10.5	+127					+92			11.0	17.0	68	6	6			+37			5.5	8.0	+35			5.5	8.5	28	4	6	2.5	5.0	23	2	4	1.0	2.5
12	+155			15.5	21.0	127	4	8	11.0	18.0	90	15	8	10.5	16.0	70	15	6	6.0	10.0	+35			7.5	9.0	33	8	2	5.5	8.5	28	6	4	2.0	3.0	23	5	2	1.0	3.0
13	+155			10.5	17.0	127	4	6	9.0	15.5	95	8	8	8.0	15.0	70	13	6	5.0	9.0	35	2	2	6.0	8.5	35	6	8	7.0	10.0	27	7	5	3.5	5.5	23	4	2	+2.0	+3.0
14	157	2	4	10.0	15.5	127	6	4	8.0	13.0	94	19	11	11.0	18.0	72	21	7			35	8	2	5.5	8.0	33	10	4	8.0	10.0	30	9	4	4.0	6.0	25	5	2	2.0	3.5
15	157	4	2	7.0	12.0	129	8	8	7.0	12.5	95	18	10	7.0	12.5	72	20	10	5.5	9.0	35	24	2	6.0	8.0	37	12	8	8.0	10.5	34	6	2	3.5	6.5	25	4	2	+1.5	+3.0
16	159	2	4	7.0	12.0	+130			8.0	14.0	97	18	12	13.0	18.5	70	20	8	16.5	20.0	39	12	6	7.0	11.0	40	5	3	5.0	7.5	38	4	2	4.0	5.0	27	2	2	+2.0	+3.5
17	159	2	4	7.5	13.5	128	13	7	6.5	11.0	93	14	11	5.5	9.0	72	19	6	14.0	18.5	43	6	4	10.0	11.5	44	9	5	5.0	8.5	42	2	4	3.0	5.5	27	6	4	+2.0	+3.0
18	157	4	2	4.0	7.0	127	16	12	7.0	12.0	103	20	18	17.0	26.0	78	17	14	4.5	8.0	49	14	10	8.0	12.0	52	5	9	4.0	8.0	45	2	3	3.0	5.5	28	3	5	2.5	4.0
19	155			7.0	12.0	127	12	9	8.0	14.0	103	11	5	12.0	19.0	80	10	8	6.0	10.0	56	8	9	4.0	7.0	61	5	11	6.0	8.0	47	4	3	4.0	6.0	27	6	2	+1.0	+2.0
20	157	2	6	7.0	11.0	133	2	7	6.5	12.0	109	6	4	5.5	11.5	84	6	6	6.0	11.0	61	7	6	3.0	5.5	69	4	9	4.5	7.5	46	9	4	3.0	5.0	26	7	3	+2.0	+3.0
21	157	4	2	9.0	14.5	132	5	4	8.0	14.0	111	2	6	7.0	13.0	84	4	4	7.0	12.5	63	4	5	4.0	7.0	71	4	4	6.0	9.0	46	4	4	2.5	4.5	25	9	2	1.5	2.5
22	157	2	2	8.5	13.0	131	5	3	6.0	11.5	110	3	3	6.0	12.5	88	8	4	11.0	17.0	63	4	4	4.0	7.0	73	2	13	3.5	4.5	46	4	4	4.5	6.5	25	4	4	+2.0	+3.0
23	155	4	0	8.5	14.0	131	7	3	7.5	13.5	109	6	4	5.5	10.5	90	8	6			63	4	4	4.0	7.0	63	10	6	3.0	5.5	46	2	2	3.0	5.0	23	3	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

USCOMM-NBS-DC

MONTH-HOUR VALUES OF RADIO NOISE

Station Ohira, Japan Lat. 35.6 N Long. 140.5 E Month August 19 61

Frequency (Mc)

Hour (LST)	.013					.051					.160					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*
00	157	4	4	10.0	15.0	133	9	4	10.0	17.0	114	5	7	9.0	15.5	90	15	10	10.0	14.0	60	10	16	7.0	11.0	57	6	11	6.0	8.5	43	12	3	2.0	4.0	25	3	4	0.5	2.0
01	157	4	4	13.0	19.5	135	7	5	8.0	13.0	112	6	5	10.0	18.5	92	8	22	11.5	20.0	60	10	13	6.0	12.0	57	7	11	5.0	8.0	45	6	7	1.0	2.5	25	6	4	0.5	2.0
02	157	6	4	10.5	18.0	136	3	8	10.0	20.0	114	4	8	8.5	17.5	90	10	8	10.0	17.0	60	10	16	8.0	13.0	57	6	10	5.0	8.0	44	4	5	2.0	2.5	25	2	4	0.5	2.0
03	157	4	4	11.5	17.0	135	6	4	9.5	16.0	112	6	6	8.5	17.5	90	9	10	11.5	17.5	62	4	19	7.0	12.0	56	5	9	6.5	10.0	41	3	4	3.0	6.0	25	4	4	0.5	2.0
04	157	2	4	11.5	17.5	133	7	4	11.0	18.0	110	8	6	10.0	19.0	84	13	11	14.0	23.0	60	6	17	7.0	10.0	57	4	10	6.0	10.0	39	6	4	5.0	6.5	23	4	2	1.5	2.5
05	155	4	4	11.0	17.5	127	11	4	13.0	19.0	100	10	10	15.5	24.0	72	24	9	12.5	24.0	54	8	6	9.0	11.5	55	4	10	6.0	10.0	39	6	3	3.0	7.0	25	2	4	2.0	3.0
06	153	6	4	13.5	20.0	127	8	6	15.0	22.5	96	12	15	12.5	20.0	72	24	10			44	10	5	7.0	10.5	43	12	6	9.5	14.5	39	4	4	6.0	9.0	25	2	4	2.0	3.0
07	154	6	5	14.5	21.0	125	12	9	17.0	26.0	96	19	14	19.0	28.0	76	18	10	12.5	19.0	38	12	4	8.0	10.0	39	14	4	8.0	12.0	36	9	3	9.5	14.0	25	4	2	2.5	5.0
08	155	4	6	11.0	15.0	129	9	12	16.0	24.0	98	15	11	16.0	27.5	73	27	11	8.5	14.5	36	15	2	7.5	11.0	39	12	7	6.0	9.0	35	4	4	7.0	9.0	25	2	2	3.0	5.0
09	157	2	6	15.0	20.0	125	10	4	15.0	22.0	95					69			4.5	9.5	36	8	3	8.0	10.0	39	7	10	12.0	16.0	33	4	6	7.0	9.0	25			2.0	3.0
10	153	6	2	15.0	18.0	127	10	5	12.0	15.0	96	15	11	14.5	23.0	70	15	6	13.0	19.5	36	12	5			35	6	8	6.0	9.5	29	12	4	7.0	9.0	25	5	2	3.0	4.0
11	153	6	2	13.0	19.5	127	14	5	14.5	23.0	96	30	8	15.0	24.0	70	28	6	12.5	23.0	38	7	6	8.0	10.5	35	8	6	8.5	11.0	29	10	2	5.0	7.0	24	3	1	2.0	3.0
12	155	4	4	12.5	18.5	127	10	6	13.0	19.0	104	16	18	17.0	25.0	76	22	11	10.0	16.5	36	17	4	9.0	12.0	37	8	9	7.0	12.5	29	10	4	6.0	7.0	25	2	2	2.0	3.5
13	156	7	5	13.0	19.5	130	14	5	11.0	18.5	106	16	17	12.0	22.0	77	26	10	13.0	24.0	38	18	4	9.0	12.0	37	14	10	8.0	10.0	32	9	7	6.0	8.0	25	2	2	1.0	2.5
14	157	6	2	12.0	18.0	129	16	4	12.0	18.0	106	18	14	13.0	22.0	86	18	17	8.0	15.0	43	15	9	7.0	10.0	41	10	12	10.0	12.5	35	8	6	6.0	7.5	27	4	2	2.0	3.0
15	159	8	4	10.0	16.5	130	21	5	9.0	14.5	105	19	19	11.5	18.5	85	17	16	12.0	17.0	45	20	13	6.0	9.5	41	14	10	9.0	11.0	37	4	6	5.0	7.5	26	6	1	1.0	2.0
16	159	6	2	10.0	17.0	131	17	6	9.0	15.5	109	17	19	12.0	20.0	84	17	18	12.0	21.0	45	19	11	8.5	10.5	46	13	9	7.5	12.5	41	6	4	4.0	6.0	29	3	2	2.0	3.0
17	159	6	4	8.0	15.0	128	17	7	14.0	21.0	106	17	18	13.5	24.0	80	18	18	12.0	21.0	46	18	10	7.0	10.0	50	9	9	13.0	15.0	43	4	4	5.5	7.0	29	4	4	2.0	3.0
18	157	6	2	10.0	13.5	130	13	9	10.5	17.0	104	18	10	11.0	19.0	84	19	13	19.0	22.5	50	26	14	7.0	10.5	54	7	9	7.0	11.0	45	3	2	5.5	7.5	29	3	3	1.5	3.0
19	157	4	2	7.5	12.5	130	8	7	9.0	16.0	112	9	6	9.0	15.0	88	11	15	10.5	18.0	57	11	17	9.0	11.5	63	8	6	4.0	8.0	47	2	4	3.5	6.0	30	3	5	2.0	2.5
20	157	6	2	12.0	19.0	132	9	3	5.0	10.0	112	10	6	9.0	14.0	88	19	8	3.0	7.0	60	10	4	6.0	11.0	68	7	7	4.5	7.0	45	4	2	5.0	8.0	29	4	4	1.0	2.5
21	157	6	2	10.0	16.5	134	9	4	9.5	15.0	114	6	8	10.0	14.0	90	16	5	7.5	13.5	62	8	11	6.0	9.5	70	3	9	7.0	10.0	44	5	3	4.0	6.5	27	6	4	1.0	2.5
22	158	5	3	12.0	19.0	135	6	6	11.0	18.5	114	6	8	10.0	18.5	92	14	10	9.5	16.0	62	8	16	6.0	9.0	59	12	4	8.0	9.5	45	4	4	4.5	7.0	27	6	4	1.5	2.5
23	157	6	2	12.5	19.0	137	12	10	10.0	18.0	114	10	8	8.5	19.0	92	13	12	9.5	16.5	61	9	17	5.0	9.5	58	11	9	7.0	9.0	46	8	5	5.0	8.5	27	2	4	1.0	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 logorithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.051 Fam	.051 Du	.051 Dℓ	.051 Vdm	.051 Ldm	.113 Fam	.113 Du	.113 Dℓ	.113 Vdm	.113 Ldm	.246 Fam	.246 Du	.246 Dℓ	.246 Vdm	.246 Ldm	.545 Fam	.545 Du	.545 Dℓ	.545 Vdm	.545 Ldm
00	129	8	10			116	6	14			105	10	10			91	13	9		
01	129	8	10			116	8	14			102	9	9			91	11	9		
02	126	11	9			113	11	11			102	11	11			91	9	11		
03	128	7	12			112	10	8			100	11	9			90	8	8		
04	127	10	10			111	11	7			99	10	8			88	10	8		
05	127	10	10			111	11	7			95	12	8			86	8	6		
06	125	8	10			107	11	11			87	6	12			64	8	≥6		
07	121	8	14			96	16	≥16			73	18	≥2			60	4	≥2		
08	117	12	14			99	18	≥19			80	17	≥9			62	6	≥4		
09	123	10	24			100	16	≥20			73	22	≥2			60	10	≥2		
10	113	16	16			90	24	≥10			75	18	≥4			60	6	≥2		
11	113	14	12			94	22	≥14			74	17	≥3			60	4	≥2		
12	117	10	12			88	24	≥8			73	20	≥2			60	8	≥2		
13	117	10	10			90	22	≥10			75	18	≥4			60	12	≥2		
14	120	7	11			94	18	≥14			73	20	≥2			60	16	≥2		
15	121	10	14			102	14	≥22			77	20	≥6			60	18	≥2		
16	121	10	12			103	12	≥23			77	21	≥6			61	19	≥3		
17	120	13	15			104	14	≥24			85	16	≥14			78	14	18		
18	120	13	13			108	14	20			91	14	18			85	11	7		
19	125	8	10			109	11	13			93	16	12			88	12	6		
20	126	11	9			110	10	10			96	15	11			89	13	7		
21	125	10	8			110	12	10			98	15	9			91	11	7		
22	125	10	6			109	13	9			99	14	10			92	10	8		
23	128	9	11			112	12	10			102	11	9			93	7	11		

Hour (LST)	2.5 Fam	2.5 Du	2.5 Dℓ	2.5 Vdm	2.5 Ldm	5 Fam	5 Du	5 Dℓ	5 Vdm	5 Ldm	10 Fam	10 Du	10 Dℓ	10 Vdm	10 Ldm	20 Fam	20 Du	20 Dℓ	20 Vdm	20 Ldm
00	62	10	7			*50					*30					20	7	0		
01	63	8	8			*53					30	10	2			20	3	0		
02	62	8	7			*49					*30					20	3	0		
03	*61					*49					*30					20	3	0		
04	62	10	10			*52					*30					20	3	0		
05	*62					*49					*28					20	3	0		
06	58	8	8			*47					32	15	3			20	7	0		
07	47	7	12			*47					*38					*20				
08	*36					*42					*42					*20				
09	*42					*37					*40					*20				
10	38	8	6			34	7	8			32	10	8			20	6	0		
11	37	8	3			29	12	2			31	13	8			22	12	2		
12	37	2	3			30	8	3			26	17	5			20	13	0		
13	38	3	3			29	12	2			27	15	7			20	4	0		
14	38	6	5			32	12	5			33	12	10			22	8	2		
15	38	8	5			30	19	2			33	12	4			22	7	2		
16	42	11	6			39	15	8			42	5	9			22	9	2		
17	*69					52	5	13			42	5	7			22	12	2		
18	55	10	7			54	5	10			*43					21	9	1		
19	61	9	7			54	6	9			37	8	3			20	12	0		
20	62	10	7			54	7	7			37	7	6			21	12	1		
21	62	10	7			50	10	5			32	8	2			20	5	0		
22	60	12	3			49	12	2			31	8	2			20	5	0		
23	62	10	7			50	7	5			30	11	2			20	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 Pretoria, S. Africa Lat. 25.8 S Long. 28.3 E Month July 19 61

Hour (LST)	.051 Fam	Du	Dℓ	Vdm	Ldm	.113 Fam	Du	Dℓ	Vdm	Ldm	.246 Fam	Du	Dℓ	Vdm	Ldm	.545 Fam	Du	Dℓ	Vdm	Ldm	2.5 Fam	Du	Dℓ	Vdm	Ldm	5 Fam	Du	Dℓ	Vdm	Ldm	10 Fam	Du	Dℓ	Vdm	Ldm	20 Fam**	Du	Dℓ	Vdm	Ldm
00	124	10	6			107	14	6			94	15	7			90	13	10			64	12	10			50	10	7			27	6	2			20	38	0		
01	124	10	6			109	13	7			94	15	5			89	12	6			64	13	10			52	8	7			27	5	2			20	38	0		
02	124	6	6			107	14	6			94	13	5			86	15	6			64	13	10			51	9	7			29	1	4			20	33	0		
03	123	11	5			107	13	6			94	13	7			86	14	6			61	14	8			52	5	7			30	5	5			20	35	0		
04	122	12	3			107	13	8			94	12	11			83	16	7			61	13	7			47	7	3			27	3	2			20	33	0		
05	124	9	7			108	11	8			91	13	10			81	15	8			60	14	7			47	12	5			27	3	2			20	31	0		
06	120	13	4			101	14	8			79	12	10			63	9	5			55	9	6			47	7	7			30	7	4			20	32	0		
07	116	10	9			89	20	10			71	18	2			60	6	2			38	18	4			32	14	0			35	12	8			20	29	0		
08	116	8	13			86	24	7			*71					60	7	2			36	12	5			32	12	8			35	7	7			22	28	2		
09	113	15	15			97	16	16			71	22	2			63	4	4			36	6	5			30	16	8			30	16	11			22	31	2		
10	113	14	18			89	18	8			71	22	2			60	9	2			36	5	4			28	12	6			25	22	6			22	30	2		
11	116	11	18			90	21	11			71	20	2			60	8	2			36	5	3			30	9	8			27	15	10			22	29	2		
12	119	8	17			89	19	10			71	20	2			60	10	2			37	4	4			27	14	3			26	11	9			20	14	0		
13	116	12	14			88	20	9			74	15	5			60	6	2			38	3	5			27	13	5			30	9	13			22	12	2		
14	116	11	10			88	23	9			71	18	2			60	6	2			38	3	4			27	14	5			33	9	9			22	9	2		
15	116	10	10			89	20	10			71	16	2			60	6	2			38	3	4			30	15	7			35	9	9			22	10	2		
16	118	9	12			89	20	10			71	18	2			60	8	2			38	9	4			36	15	9			39	7	10			22	9	2		
17	118	10	13			95	17	14			78	14	8			78	8	15			41	14	7			50	9	13			45	2	12			22	17	2		
18	120	13	13			104	13	21			91	7	20			83	9	10			54	14	10			53	14	9			39	6	5			28	30	8		
19	123	10	7			107	12	12			91	13	12			84	12	8			58	16	7			52	12	8			35	5	4			20	40	0		
20	123	13	9			109	12	13			91	14	8			88	10	9			60	18	12			52	11	9			33	4	4			22	36	2		
21	126	10	12			107	14	12			92	15	9			90	10	10			61	17	7			52	12	10			33	4	3			20	37	0		
22	123	14	7			107	13	10			95	14	10			88	12	8			62	14	8			52	5	8			30	3	3			20	40	0		
23	126	10	9			109	14	10			95	14	8			90	11	10			64	14	10			52	8	8			30	3	3			20	30	0		

Frequency (Mc)

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

**20 is the lowest measurable value.

USCOMM-NBS-BL

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.051 Fam	.051 Du	.051 Dℓ	.051 Vdm	.051 Ldm	.113 Fam	.113 Du	.113 Dℓ	.113 Vdm	.113 Ldm	.246 Fam	.246 Du	.246 Dℓ	.246 Vdm	.246 Ldm	.545 Fam	.545 Du	.545 Dℓ	.545 Vdm	.545 Ldm
00	117	12	8			103	15	5			92	16	6			82	20	5		
01	117	15	5			103	15	5			90	18	4			85	17	8		
02	117	15	5			103	15	7			92	14	9			82	17	7		
03	117	15	5			104	16	6			89	17	6			82	15	7		
04	117	16	5			103	17	7			88	18	10			79	18	4		
05	117	18	2			103	15	7			86	18	10			77	20	8		
06	117	15	5			92	24	4			68	25	0			57	22	0		
07	117	14	12			83	27	5			68	20	0			57	6	0		
08	109	19	7			83	27	5			68	20	0			57	9	0		
09	*103					78	30	0			68	20	0			*57				
10	105	20	8			80	26	2			68	18	0			57	4	0		
11	102	21	5			78	22	0			68	14	0			57	2	0		
12	106	17	4			78	22	0			68	10	0			57	2	0		
13	109	10	7			80	18	2			68	16	0			57	5	0		
14	109	10	4			83	15	5			68	18	0			57	8	0		
15	109	13	4			83	20	5			68	22	0			57	11	0		
16	112	16	5			82	32	4			68	22	0			57	15	0		
17	111	16	4			82	31	4			68	30	0			59	19	0		
18	112	17	7			88	26	10			72	25	4			72	15	10		
19	115	14	6			98	19	8			80	18	10			79	13	10		
20	117	12	5			100	18	7			86	17	8			82	10	7		
21	117	15	5			103	15	7			88	12	8			81	11	6		
22	115	14	3			103	10	7			90	13	7			82	10	7		
23	117	12	5			103	10	5			90	13	7			82	11	7		

Hour (LST)	2.5 Fam	2.5 Du	2.5 Dℓ	2.5 Vdm	2.5 Ldm	5 Fam	5 Du	5 Dℓ	5 Vdm	5 Ldm	10 Fam	10 Du	10 Dℓ	10 Vdm	10 Ldm	20 Fam	20 Du	20 Dℓ	20 Vdm	20 Ldm
00	57	15	11			48	10	9			28	1	7			20	16	0		
01	58	13	14			51	7	11			25	7	6			20	21	0		
02	57	16	14			50	10	11			24	5	6			20	3	0		
03	57	14	14			52	10	12			23	5	5			20	24	0		
04	57	13	13			51	6	12			23	6	5			20	24	0		
05	54	16	10			50	5	11			23	5	4			20	27	0		
06	52	20	10			49	13	12			29	6	9			20	20	0		
07	37	21	6			38	19	9			29	14	7			21	22	1		
08	37	12	7			31	23	6			26	19	1			22	27	2		
09	37	3	5			30	6	6			21	22	7			23	17	3		
10	37	5	5			31	9	8			16	24	3			22	6	2		
11	37	6	5			31	9	8			18	17	5			22	8	2		
12	37	6	4			34	6	9			18	17	5			20	10	0		
13	37	6	5			31	9	8			16	17	3			20	8	0		
14	37	7	5			31	10	6			23	18	8			22	12	2		
15	38	5	5			31	10	6			25	18	6			22	9	2		
16	39	4	7			36	14	10			30	12	9			22	15	2		
17	40	14	8			38	18	9			33	9	9			22	13	2		
18	47	11	13			46	17	11			35	7	9			24	15	4		
19	53	18	10			46	14	10			35	3	9			22	11	2		
20	55	16	11			48	10	10			30	5	6			20	11	0		
21	57	13	12			46	8	9			28	3	6			20	17	0		
22	55	17	10			48	10	11			28	5	7			20	5	0		
23	57	14	10			47	9	8			23	5	6			20	22	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 Rabat, Morocco Lat. 33.9 N Long. 6.8 W Month June 19 61

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	159	4	4			133	10	6			115	13	5			90	20	5			63	8	3			58	6	4			46	6	4			25	6	2		
01	159	3	2			133	5	6			117	7	5			87	18	4			64	9	5			58	8	4			48	8	4			25	6	2		
02	158	5	2			132	5	4			116	7	5			89	13	6			64	7	6			58	6	6			48	4	4			25	4	2		
03	157	5	2			131	7	4			115	5	8			85	14	5			62	9	4			56	6	4			46	4	4			25	2	2		
04	157	3	2			129	8	4			103	15	4			81	17	10			60	9	4			56	4	4			44	4	4			25	1	2		
05	157	2	2			123	11	2			92	24	6			61	31	2			56	9	5			50	4	2			44	4	6			25	4	2		
06	155	2	2			109	14	4			86	30	7			59	27	2			50	9	10			38	8	4			40	4	2			26	2	3		
07	155	2	4			115	13	4			88	28	10			59	31	2			50	9	13			33	4	7			38	6	5			25	3	2		
08	154	3	3			115	12	6			92	15	5			63	23	6			40	15	5			26	10	2			34	6	4			25	6	2		
09	153	4	2			117	10	6			94	10	2			65	19	6			*38					*28					32	10	6			25				
10	155	2	2			*122					93	10	10			63	16	6			*36					*26					*30					27	5	3		
11	155	4	4			122	9	7			91	12	4			62	15	7			34	6	4			26	3	5			30	5	4			25	3	2		
12	157	0	3			123	9	4			96	18	5			67	19	9			35	10	3			24	15	4			30	9	6			27	4	4		
13	159	2	6			127	7	7			98	18	8			73	22	13			36	18	5			26	17	6			32	10	6			28	7	3		
14	159	3	4			127	10	6			102	15	10			71	26	15			34	21	2			28	15	6			37	7	6			29	10	2		
15	159	4	4			127	11	5			100	22	13			76	28	19			36	19	5			31	14	7			38	9	6			31	8	6		
16	159	4	3			127	13	5			102	21	24			75	29	17			36	23	5			38	14	10			44	6	6			33	3	5		
17	159	5	2			127	14	6			100	26	18			73	38	16			42	24	8			46	14	12			44	10	2			33	6	4		
18	159	6	3			127	18	8			101	28	20			71	38	8			47	26	9			52	14	10			48	6	4			33	5	6		
19	157	7	2			125	18	4			102	24	7			82	22	9			55	21	10			56	12	4			49	8	3			31	4	4		
20	157	6	3			129	13	4			111	21	7			88	17	7			64	11	4			59	11	3			50	4	4			27	10	2		
21	157	7	2			131	10	4			114	11	4			89	15	6			64	11	4			58	8	4			50	6	4			28	5	3		
22	157	4	2			133	8	4			114	11	8			89	18	4			66	9	6			58	8	2			48	7	4			26	8	1		
23	157	4	2			133	7	6			116	11	6			88	22	4			66	9	8			58	5	4			47	3	3			25	6	2		

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

USCOMM-NBS-DC

MONTH-HOUR VALUES OF RADIO NOISE

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

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					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	Fam	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm
00	152	1	2			131	2	6			114	6	4			87	7	8			63	7	4			58	6	2			46	2	4			26	2	2		
01	152	4	2			131	2	4			114	4	4			85	10	5			64	8	6			58	5	2			46	1	3			24	2	0		
02	153	3	3			131	2	5			114	4	3			84	7	6			62	9	3			58	4	4			44	4	4			26	2	2		
03	152	4	2			129	2	3			112	6	2			83	8	5			62	8	6			56	6	2			44	8	4			26	1	3		
04	152	2	4			129	2	6			106	3	6			83	4	8			62	5	7			58	2	6			42	4	3			25	1	1		
05	152	2	2			123	3	3			90	8	1			63	8	2			59	3	4			55	3	3			42	1	5			25	4	3		
06	148	4	2			118	5	3			80	6	5			61	5	3			±52					44	3	4			38	5	3			±25				
07	148	2	2			112	9	3			82	7	12			59	5	6			±48					34	12	4			36	6	2			24	5	2		
08	148	2	2			115	6	7			90	6	7			63	4	6			42	12	8			30	10	4			32	7	5			26	5	4		
09	148	4	3			115	7	5			84	10	11			61	3	6			39	7	7			28	5	3			30	5	5			24	10	2		
10	148	3	2			115	8	7			88	6	14			59	6	4			36	4	6			26	10	4			28	4	4			24	4	2		
11	150	2	2			117	7	6			94	8	6			59	14	4			34	6	4			24	6	2			26	5	4			24	2	2		
12	150	2	2			119	6	1			92	12	9			63	12	4			36	10	6			24	7	2			26	9	2			24	6	2		
13	152	4	4			123	4	7			94	12	10			65	20	6			34	8	4			25	10	5			28	11	6			26	2	2		
14	152	2	4			123	9	4			95	16	14			63	24	4			34	9	4			26	14	4			30	13	5			26	4	2		
15	154	4	4			127	8	6			98	18	18			65	32	6			36	15	7			32	15	8			36	10	7			28	4	3		
16	154	5	3			127	9	6			96	20	14			65	27	6			35	18	5			36	16	12			38	10	6			30	2	5		
17	155	5	5			127	8	4			97	17	15			65	17	8			36	17	4			39	19	13			42	8	12			30	3	2		
18	154	2	4			124	9	4			90	24	6			65	20	8			42	17	6			46	12	10			45	3	5			30	6	4		
19	153	3	3			123	7	4			102	6	8			81	6	6			54	10	6			54	8	6			48	4	4			30	6	4		
20	152	4	4			129	4	6			110	4	6			87	7	7			62	8	4			58	6	4			45	7	1			28	2	2		
21	152	4	4			131	4	6			115	3	6			87	7	4			62	8	4			56	10	2			46	3	4			26	2	2		
22	152	4	2			131	4	4			112	4	6			87	6	6			63	6	5			58	6	4			44	2	2			26	2	2		
23	152	3	2			131	4	6			115	3	5			87	5	7			62	6	5			58	4	4			46	2	4			26	2	2		

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

Frequency (Mc)

Hour (LST)	.051					.113					.246					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	122	6	7	10.0	13.0	*104	8	10	*9.0	*11.0	85	9	8	10.0	12.0	82	5	8	*8.5	*12.0	65	6	7	3.5	7.0	65	7	3	*1.5	*5.0	54	3	5	4.5	7.5	37	2	4	3.0	5.0
01	124	6	9	10.5	13.5	*103			8.5	12.0	85	6	7	7.0	11.0	82	4	8	*13.0	*14.0	65	5	8	4.0	7.5	*62			*5.0	*8.0	54	4	6	*5.0	*8.0	37	2	0	3.5	3.5
02	124	3	9	12.5	14.5	103	7	8	13.0	12.5	83	7	9	8.5	11.5	82	2	6	*9.0	*12.0	66	3	11	*4.5	*8.0	60	5	8	*4.5	*8.0	52	5	4	*3.0	*6.5	37	2	4	6.0	7.0
03	122	4	6	11.0	14.5	*101			*10.0	*13.0	80	9	6	*11.0	*12.0	80	4	8	8.5	11.0	64	6	13	*5.0	*8.5	*60			*4.0	*8.0	51	4	10	*4.0	*8.0	35	2	2	4.0	5.5
04	122	4	6	*11.0	*14.5	101	8	11	10.0	12.0	83	8	14	11.0	13.0	80	6	6	*8.0	*10.5	64	4	13	*6.0	*10.0	60	5	7	*5.0	*9.0	*49			*4.5	*7.5	*37			3.5	5.0
05	122	4	4	10.0	13.5	*101			*9.0	*12.5	81	10	12	9.0	13.0	72	10	4	*8.0	*11.0	*66			*7.0	*10.0	*61			*3.5	*7.5	*49			*3.5	*7.0	*35			2.0	4.0
06	116	4	6	*10.5	*13.0	87	8	6	*12.0	*13.0	67	12	8	*6.0	*8.0	80	4	8	*12.0	*13.0	*53			*4.5	*8.0	*61					*51			*4.5	*8.0	*35			1.0	2.5
07	114	4	8	*12.0	*14.0	*83			*25	*8.5	67	18	8	*10.0	*11.0	86	6	6	*6.0	*9.5	*43			*5.5	*9.0	*53			*5.0	*8.5	*47			*3.5	*7.0	*35			1.0	3.0
08	*110			*11.5	*16.5	*85			*11.5	*11.5	*67			*10.0	*14.0	*80			*4.0	*6.5	*36			*4.5	*8.0	*45			*7.0	*10.0	*44			*6.5	*10.5	*35			1.0	3.5
09	108	10	12	*14.0	*16.0	*79			*8.5	*9.5	69	8	10	*9.5	*12.0	80	8	4	*8.5	*10.5	38	4	8	*3.5	*6.0	*41			*2.0	*5.5	*41			*3.0	*6.5	*34			4.0	5.5
10	108	13	15	*14.0	*17.0	81	11	4	*10.0	*11.0	65	12	7	*5.0	*5.0	80	4	6	*7.5	*10.0	34	7	4	*6.0	*9.0	36	15	6	*5.0	*10.0	39	5	5	5.0	7.5	35	1	2	3.5	4.5
11	108	16	12	12.0	14.0	81	17	4	*11.0	*13.0	69	16	9	*7.0	*8.0	80	8	8	*4.5	*11.5	30	24	2	3.5	5.0	35	8	4	*4.0	*7.0	39	4	6	3.0	6.5	33	4	0	3.0	4.0
12	112	17	8	10.0	14.0	89	17	7	*15.0	*16.0	75	18	12	*11.5	*11.5	81	12	10	*11.5	*13.0	36	9	8	*5.5	*8.0	37	6	5	5.0	7.5	41	4	6	3.5	7.5	35	2	2	4.0	5.5
13	116	16	11	7.0	12.0	93	11	10	*8.0	*11.0	85	10	20	*11.5	*16.0	86	13	11	*8.0	*10.0	42	10	11	*7.0	*10.5	43	7	6	*3.0	*7.0	45	8	5	4.0	6.5	36	11	3	2.0	3.0
14	120	14	11	*10.0	*13.0	101	16	17	*11.5	*13.5	87	12	18	*12.0	*14.0	88	13	10	8.0	10.0	48	26	17	*8.0	*12.0	44	21	8	*6.5	*10.0	48	10	8	4.0	7.0	37	11	3	3.5	5.0
15	125	10	12	6.0	9.0	103	10	18	*7.0	*11.5	87	18	14	10.0	14.0	89	12	8	11.5	14.0	52	17	22	*6.0	*10.0	47	14	6	*6.5	*9.5	51	7	6	2.0	6.0	37	11	2	1.5	3.0
16	126	12	9	9.5	12.0	102	21	11	*9.5	*13.0	87	21	9	*10.0	*13.0	88	22	9	*7.5	*11.0	54	23	15	*5.0	*9.5	54	15	8	4.0	7.5	53	8	4	4.0	7.0	37	14	2	2.0	4.0
17	126	18	10	*6.0	*10.0	101	29	14	8.5	13.0	89	22	17	12.0	13.5	87	24	10	*9.0	*11.0	60	22	15	*4.0	*8.0	57	11	3	4.0	8.0	55	12	4	2.5	4.5	39	13	3	4.0	5.0
18	126	16	13	10.0	12.0	105	18	18	12.0	14.0	89	16	18	*9.0	*13.0	84	19	18	*9.0	*12.0	64	18	8	3.5	8.5	65	9	5	*3.0	*5.5	55	10	3	1.0	4.0	37	12	2	1.5	3.0
19	123	13	10	12.0	14.0	102	19	12	7.5	12.0	89	13	13	9.5	12.0	87	15	13	*10.0	*13.0	68	12	7	*3.0	*6.5	67	9	6	*3.5	*6.5	55	8	4	*2.0	*5.0	37	15	3	2.0	3.5
20	126	9	14	11.0	13.0	105	13	12	9.0	11.5	89	12	10	8.0	12.0	89	9	11	*8.0	*10.0	70	9	4	3.5	7.5	65	7	2	*2.0	*5.0	56	5	5	*2.0	*4.0	39	6	6	2.5	3.5
21	126	8	13	9.5	13.0	99	21	6	10.0	11.0	87	14	7	8.0	11.0	88	8	8	*8.0	*10.0	70	8	6	2.5	7.0	65	8	2	*4.0	*7.0	55	4	2	*5.0	*6.5	39	4	4	20	4.0
22	125	8	12	10.0	12.5	105	10	12	*9.0	*12.5	86	14	8	*11.0	*14.0	88	11	9	7.5	9.5	68	8	6	*3.5	*6.5	67	6	5	*3.0	*7.0	55	4	4	3.5	7.0	37	5	3	2.5	4.0
23	123	6	8	12.0	14.5	101	10	9	*9.0	*14.0	87	10	9	8.0	9.5	88	2	10	*5.0	*7.0	68	8	10	2.0	6.0	67	4	5	3.0	6.0	55	4	4	4.0	7.0	37	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

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.051					.113					.246					.545					2.5					5					10					20				
	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}
00	128					108					95					89					53					63					52					43				
01	127					108					95					86					54					63					53					43				
02	129					108					95					87					53					60					49					43				
03	129					111					97					83					53					57					46					43				
04	131					109					91					83					57					63					50					43				
05	129					112					89					89					53					61					49					43				
06	131					111					81					93					54					57					49					43				
07	118					102					77					95					45					73					53					44				
08	121					104					89					95					47					65					51					43				
09	120					105					89					95					49					60					53					43				
10	124					108					91					97					41					53					52					43				
11	116					106					87					95					41					57					49					43				
12	122					104					86					97					41					55					48					43				
13	121					104					87					99					39					56					51					43				
14	123					106					85					96					41					59					53					43				
15	123					105					84					93					43					65					55					39				
16	127					102					90					95					45					58					57					43				
17	120					102					95					93					41					63					57					43				
18	122					103					95					95					53					75					57					45				
19	127					107					93					91					61					62					57					43				
20	127					108					93					97					59					77					56					40				
21	127					108					99					98					60					73					57					41				
22	127					109					95					98					57					70					57					42				
23	129					110					96					99					57					71					48					43				

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
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 August 19 61

Frequency (Mc)

Hour (LST)	.051					.113					.246					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	*136					*123					*105					*95					57	22	4			64	18	8			50	4	8			32	2	0		
01	*134					*124					*105					*93					63	6	10			*63					50	6	8			32	4	2		
02	*136					*125					*105					*93					61	18	10			64	10	10			46	14	6			32	2	2		
03	*136					*125					*110					*95					63	16	12			62	12	4			48	8	10			32	2	2		
04	*138					*125					*106					*96					63	14	14			62	10	8			40	4	4			32	2	2		
05	*135					*123					*104					*94					65	10	16			60	6	8			38	4	4			32	2	2		
06	*134					*111					*84					*93					59	16	8			64	8	6			46	8	8			32	2	2		
07	*128					*109					*82					*97					47	14	14			58	6	4			52	4	6			32	4	4		
08	*126					*107					*87					*95					*39					52	6	4			52	4	6			32	0	2		
09	*124					*109					*89					*95					31	14	6			*51					*50					32	4	2		
10	*126					*108					*90					*91					*34					46	6	8			48	4	8			33	5	5		
11	*126					*109					*87					*91					31	10	8			42	6	6			46	4	10			34	2	4		
12	*124					*105					*83					*93					39	2	16			42	6	8			44	4	8			32	4	2		
13	*126					*109					*83					*91					33	8	8			42	6	4			46	4	8			34	4	6		
14	*124					*107					*83					*93					*30					44	4	6			46	4	4			*35				
15	*126					*103					*84					*91					*29					*48					*46					*36				
16	*124					*101					*85					*91					*37					*50					*46					*34				
17	*125					*107					*89					*89					*45					60	8	8			52	2	10			34	4	6		
18	128	6	12			109	10	10			92	13	14			91	6	14			58	13	23			68	6	10			53	3	9			36	6	2		
19	130	6	8			113	12	8			97	10	10			*92					61	14	21			68	4	4			53	3	7			36	2	4		
20	132	6	6			117	10	8			*101					97	4	8			62	13	18			69	7	7			52	4	6			36	2	4		
21	*133					*122					*106					*99					65	12	12			68	6	4			53	5	7			36	4	4		
22	*134					*124					*106					*95					62	15	11			70	2	8			50	6	6			33	7	3		
23	*137					*126					*105					*95					62	13	13			66	10	2			48	6	4			32	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

USCOMM-NBS-DC

MONTH-HOUR VALUES OF RADIO NOISE

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

Hour (LST)	Frequency (Mc)																																	
	.013					.051					.160					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	159	8	2	9.0	13.5	139	6	2	*8.5	*13.0	123	1	6	9.0	14.5	95	4	4	6.5	12.5	64	5	4	7.0	11.5	59	6	5	5.5	9.0	45	4	6	5.0	7.5	24	4	2	2.0	3.5
01	159	6	2	9.5	15.0	141	4	6	*7.0	*12.0	121	4	5	8.0	14.0	95	6	4	7.5	13.0	65	7	5	7.0	11.5	59	4	4	5.5	9.0	44	3	5	5.5	8.0	22	4	0	2.0	3.0
02	161	6	4	10.0	14.5	139	6	4	9.0	13.5	121	5	6	*8.5	15.0	93	8	4	*8.5	*14.0	64	8	5	6.5	11.0	57	5	4	6.0	8.5	43	4	6	4.5	7.0	24	2	2	2.0	2.5
03	161	4	4	9.5	13.5	141	4	6	10.5	15.0	119	6	4	9.5	16.0	93	4	6	8.5	14.5	64	7	6	6.5	11.5	57	5	4	5.0	9.0	43	3	9	4.0	6.0	22	3	0	1.5	3.0
04	161	4	4	10.0	14.0	141	1	6	10.0	15.0	117	8	3	10.0	17.0	91	6	4	10.0	17.0	64	8	6	7.5	12.0	55	5	4	5.5	8.5	39	6	8	4.0	7.0	22	2	0	2.0	3.0
05	161	4	3	10.0	15.0	139	4	7	10.0	15.0	116	7	7	*13.0	*19.5	85	16	8	*13.5	*22.0	64	6	8	8.0	14.0	56	3	8	6.0	9.0	39	5	6	4.0	6.0	22	4	0	2.5	3.5
06	161	4	4	10.0	15.0	131	7	5	*13.0	*19.0	107	4	12	*15.0	*26.5	66	19	3	*15.0	*25.0	58	8	9	8.0	12.5	54	5	4	7.0	10.5	41	4	2	5.5	8.5	24	2	2	3.0	4.0
07	159	6	2	11.5	17.5	129	9	5	*14.5	*22.0	108	7	16	*15.0	*26.0	75	24	3	*15.0	*25.5	50	10	10	9.5	13.5	49	6	8	9.0	14.0	41	4	3	6.5	9.0	24	4	2	3.0	5.0
08	159	6	2	12.5	19.0	129	8	6	*16.0	*25.0	103	17	6	*15.0	*26.0	79	16	20	*16.0	*25.0	45	13	15	*10.0	*16.0	43	8	6	*9.5	*14.5	39	6	4	8.0	11.5	24	4	2	3.0	4.0
09	161	2	3	12.0	18.5	129	9	4	*14.0	*23.5	103	18	6	*15.0	*25.0	*71			*14.5	*24.5	34	16	8	*11.0	*16.5	37	14	4	*10.0	*15.0	37	5	4	10.5	14.0	22	4	2	3.0	5.0
10	159	6	2	*13.5	*20.5	129	11	4	*13.5	*22.5	101	13	9	*14.0	*24.0	67	26	12	*13.5	*17.5	36	16	8	*9.0	*13.5	37	11	7	*6.5	*10.0	35	7	7	*8.0	*12.5	22	8	2	*3.0	*3.5
11	159	4	2	*13.0	*19.0	128	11	5	*13.0	*20.5	102	16	9	*14.5	*24.0	*68			*17.5	*26.5	32	22	6	*9.0	*14.0	33	6	7	*9.0	*12.5	33	4	6	9.0	12.5	22	0	2	2.5	4.0
12	162	3	4	13.0	20.0	132	10	4	*14.0	*21.5	107	18	14	*13.0	*23.5	79	21	20	*14.0	*24.0	34	18	8	*8.5	*10.5	34	16	8	9.0	10.5	35	8	8	10.0	14.0	22	6	2	3.0	4.5
13	163	4	4	12.0	18.0	134	11	7	*13.0	*20.5	109	18	12	*12.5	*22.5	81	26	20	*14.5	*26.0	40	24	14	*7.0	*9.5	37	16	12	*8.0	*13.0	37	8	8	8.5	12.5	24	9	2	2.5	5.0
14	163	6	2	11.0	17.0	137	9	8	*13.0	*21.0	115	14	19	14.0	24.0	89	20	29	*14.5	*23.0	39	26	12	*6.5	*9.0	41	20	12	10.5	15.0	39	7	6	7.5	11.5	26	6	3	2.0	4.5
15	163	10	2	8.5	13.0	135	18	4	*12.0	*18.0	115	13	14	13.0	23.5	93	18	24	15.0	*26.0	47	21	17	8.5	14.0	45	17	12	8.0	14.0	41	8	4	6.5	10.5	26	10	2	3.0	5.5
16	163	6	2	8.0	13.0	139	10	10	14.5	22.5	113	12	12	14.0	23.0	89	14	21	*16.0	*25.0	48	18	14	8.0	12.0	49	8	8	7.0	12.0	45	4	4	5.0	8.0	28	10	2	3.0	6.0
17	163	4	2	8.0	12.0	135	8	8	*12.5	19.0	113	9	12	12.0	22.0	88	11	11	13.0	19.0	58	8	10	6.5	11.5	55	4	6	6.5	11.0	46	4	2	4.5	7.5	28	2	2	3.5	5.0
18	161	4	2	8.0	13.0	137	6	8	10.5	17.5	117	6	6	10.0	17.5	95	4	8	8.0	16.0	62	5	5	6.5	10.5	59	2	4	5.0	8.0	47	4	2	4.0	6.5	28	4	2	3.5	5.0
19	161	2	2	9.5	13.5	139	6	6	9.5	16.0	119	4	6	8.5	16.0	95	4	6	7.0	13.0	66	4	4	7.0	11.0	63	3	4	4.5	7.0	49	2	4	3.0	6.0	30	2	4	3.0	5.0
20	161	2	2	9.5	13.5	138	4	4	9.0	14.5	119	4	6	7.5	13.5	93	6	2	7.5	13.5	66	3	4	5.5	10.0	63	6	4	4.0	7.0	49	3	2	3.5	6.0	30	2	3	2.5	4.0
21	161	3	4	8.0	12.0	139	2	6	*10.5	*16.0	119	4	6	8.5	15.0	95	4	4	7.0	13.0	64	6	2	6.0	10.5	61	9	2	4.0	6.5	49	4	2	4.0	5.0	28	2	3	2.5	4.0
22	159	4	4	9.0	13.0	137	6	4	9.0	14.0	121	3	6	8.5	15.0	95	4	4	7.0	12.0	64	4	2	5.5	10.0	59	12	2	6.0	10.5	49	2	4	4.0	6.5	28	2	4	2.0	4.0
23	159	6	4	10.0	13.5	139	6	6	8.5	14.0	121	4	6	8.0	14.0	95	6	4	7.0	12.5	64	4	6	7.5	12.0	59	5	4	5.0	7.5	49	2	7	*3.0	*5.5	26	5	3	2.0	3.0

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013					.051					.160					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	161	6	4	11.5	17.0	139	6	5	10.5	17.0	121	4	6	9.5	16.0	95	5	6	8.0	15.0	62	5	3	6.0	10.0	55	5	2	6.0	10.0	45	4	2	4.0	6.5	24	2	2	2.0	3.0
01	160	5	3	11.5	17.0	139	6	4	10.0	17.0	121	4	5	9.0	15.5	95	7	6	8.5	15.0	62	6	5	6.0	11.0	57	4	4	5.0	7.5	43	5	2	4.5	6.5	24	1	2	2.0	3.0
02	161	6	4	10.5	17.0	141	5	5	10.0	16.5	121	5	6	9.0	17.0	95	5	8	8.5	15.0	62	4	4	6.0	10.5	57	6	4	6.0	9.0	43	2	5	4.5	7.0	24	1	2	2.0	3.0
03	161	5	4	10.0	16.0	141	4	5	9.5	16.0	121	4	6	9.5	17.0	93	6	5	8.0	14.5	60	10	2	6.5	11.5	57	4	5	5.0	8.0	41	4	9	4.5	6.0	22	2	0	2.0	3.0
04	163	4	4	10.5	17.5	141	6	4	11.0	17.0	121	5	7	9.5	16.0	93	6	7	9.0	17.5	62	6	5	6.5	12.5	55	6	6	5.5	9.0	37	8	6	3.5	5.0	22	2	0	2.0	3.0
05	163	4	6	11.0	18.0	141	6	8	10.5	16.0	117	10	8	11.0	19.0	89	9	8	*11.5	*21.5	66	4	11	7.0	13.0	55	5	8	6.0	8.0	39	6	8	4.5	6.0	22	3	0	1.5	3.0
06	163	3	4	10.5	16.5	137	8	9	11.5	20.0	116	9	21	13.5	25.0	83	19	17	*12.5	*23.5	60	6	9	9.0	14.5	55	5	6	6.0	10.0	41	4	3	5.0	6.5	24	2	2	2.5	3.5
07	161	5	4	12.0	19.0	135	4	8	14.0	21.5	111	14	19	15.0	25.5	78	17	21	*12.0	*21.5	49	10	11	8.0	14.5	49	5	8	9.5	16.0	43	3	6	6.5	10.5	24	2	2	3.0	4.0
08	159	8	2	13.0	19.5	133	10	8	14.5	23.0	105	12	12	*15.0	*26.0	74	32	18	*14.0	*23.5	39	14	8	*9.0	*16.5	39	11	6	*9.5	*16.0	37	8	4	9.5	13.5	22	8	0	3.0	4.0
09	159	8	4	13.0	19.0	131	12	6	13.0	21.0	109	13	16	*12.5	*21.0	74	21	18	*8.0	*14.0	34	20	6	*7.5	*13.0	37	7	7	*10.0	*17.0	36	9	7	*9.0	*14.0	22	4	2	3.0	3.5
10	159	8	4	15.0	21.5	131	9	6	*14.0	*23.0	107	12	14	*13.0	*23.5	76	18	19	*9.0	*15.5	40	15	11	*9.0	*14.5	35	6	8	*10.0	*14.0	35	7	7	9.5	14.0	22	2	2	*3.0	*3.0
11	159	7	4	14.5	21.5	133	11	6	*14.0	*22.0	105	15	12	*10.0	*20.0	72	27	15	*12.5	*23.0	36	23	11	*10.0	*17.5	33	10	12	*8.0	*12.5	34	6	9	8.5	12.5	22	7	2	3.5	4.5
12	160	6	3	13.0	20.0	134	7	9	14.0	22.5	111	18	20	*13.0	*25.0	86	23	27	*12.0	*19.0	30	28	4	*10.0	*15.5	31	14	8	*8.5	*13.0	36	11	8	10.5	15.5	24	11	4	4.0	5.5
13	163	4	6	12.0	18.0	137	9	12	13.0	21.0	111	18	18	13.0	24.0	93	18	36	12.0	23.5	38	29	12	*14.0	*20.0	39	19	14	*9.0	*16.0	36	12	7	8.0	13.0	24	10	2	4.0	5.0
14	163	4	4	10.5	16.0	146	4	20	10.5	20.0	117	14	17	14.5	23.5	92	19	26	*10.5	*21.0	44	16	16	*7.5	*10.0	45	14	18	*8.5	*14.0	37	11	6	9.0	14.0	26	8	3	3.0	4.5
15	165	8	5	9.5	14.5	141	14	17	13.0	19.0	118	15	17	11.5	21.5	93	16	26	11.5	24.0	54	18	22	7.5	14.5	49	12	15	*7.0	*12.5	41	9	5	6.5	10.5	26	8	2	3.5	6.5
16	165	4	5	9.0	14.0	142	9	9	11.0	19.0	117	13	17	12.5	21.0	93	16	25	10.5	21.0	58	10	24	10.5	18.0	53	7	13	8.0	14.5	43	2	4	5.5	8.5	28	4	4	3.0	5.0
17	163	4	4	9.5	14.0	141	6	10	11.0	19.0	113	10	11	12.0	20.5	90	9	13	11.0	19.0	58	11	9	7.5	12.0	55	6	12	6.0	10.0	45	2	2	4.0	6.5	28	4	3	3.0	4.5
18	161	4	4	9.5	14.5	137	8	6	11.0	17.0	119	4	6	8.0	15.0	97	5	8	8.0	15.5	64	6	8	6.5	11.5	57	5	3	4.0	7.0	47	1	2	4.5	6.5	28	4	2	3.5	5.0
19	163	2	4	10.0	15.0	139	5	5	10.0	17.5	119	5	5	10.0	15.0	97	6	11	7.5	15.0	68	3	10	6.5	11.0	63	4	3	*3.5	*5.0	47	2	2	3.5	6.0	28	4	2	3.0	4.5
20	161	3	4	10.0	15.0	137	9	4	10.0	16.0	120	5	7	9.5	17.0	97	5	11	7.5	12.5	68	3	10	6.0	10.0	63	4	4	3.0	5.0	47	4	0	3.5	5.5	28	3	2	2.5	4.0
21	159	6	2	10.5	15.0	139	9	4	10.0	16.0	121	6	6	8.0	15.0	99	4	10	7.0	13.0	65	5	7	5.5	10.0	59	6	2	3.0	5.0	49	2	2	4.0	5.0	28	2	2	2.0	4.0
22	161	4	4	10.0	14.5	139	5	6	10.0	16.0	121	4	7	8.0	15.0	97	4	7	7.5	15.5	64	5	5	5.5	9.5	57	4	3	6.0	8.5	47	2	2	4.0	5.0	26	4	2	2.0	3.0
23	161	4	4	9.5	14.0	137	7	3	9.5	15.5	119	6	4	9.5	18.0	97	5	7	8.5	15.0	62	6	4	6.0	10.0	57	4	4	5.0	8.0	47	2	4	4.0	5.5	24	4	0	2.0	3.0

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

USCOMM-WDC-61

MONTH-HOUR VALUES OF RADIO NOISE

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

Hour (LST)	Frequency (Mc)																																					
	.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	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	157	6	2	11.0	16.5	135	6	2	10.5	16.0	118	4	6	10.0	17.0	91	4	7	8.0	13.0	58	6	4	6.0	11.0	53	7	3	6.0	10.0	43	6	2	5.0	9.0	24	2	2	2.5	4.5
01	157	6	2	11.0	17.0	137	7	6	10.5	17.0	118	5	5	9.0	16.5	91	5	8	8.0	15.0	57	7	6	4.5	11.5	53	8	3	6.0	10.0	41	4	2	4.0	7.5	22	3	0	1.5	3.5
02	159	6	4	11.0	16.5	139	4	7	11.0	17.5	118	8	8	10.0	18.0	89	8	7	6.0	12.0	58	8	6	7.5	13.5	55	4	3	6.0	11.0	41	3	6	4.5	7.5	22	2	0	2.0	4.0
03	159	6	4	12.0	17.5	139	6	6	11.0	18.0	120	6	9	10.0	17.5	89	12	8	8.5	14.5	58	11	8	7.0	13.0	55	6	4	6.0	10.5	41	3	9	3.0	7.0	22	3	2	1.5	3.0
04	159	8	3	11.5	18.5	139	6	6	11.0	18.0	118	8	9	11.0	19.0	87	13	8	8.0	14.0	62	8	10	8.5	15.5	55	4	6	7.5	12.5	39	4	8	3.0	6.0	22	2	2	1.5	3.5
05	159	7	3	12.0	17.0	137	8	6	11.5	20.0	118	9	14	10.0	18.5	85	16	15	8.5	13.0	62	8	8	9.5	15.0	53	7	4	6.5	11.0	37	3	5	3.5	6.0	22	2	2	2.0	3.5
06	159	6	2	11.0	16.0	135	8	10	12.5	20.0	114	10	24	*14.5	*23.5	83	14	24	5.5	8.5	56	8	9	*7.5	*13.5	53	6	4	6.0	11.0	39	4	2	5.0	8.0	22	4	0	2.0	4.0
07	158	5	4	12.0	17.5	133	8	12	14.0	22.0	107	13	13	*13.0	*24.0	83	12	23	*12.0	*17.5	46	8	12	7.5	12.5	47	4	12	9.5	16.0	39	4	4	6.0	8.5	24	0	2	2.5	4.5
08	157	7	2	13.5	19.5	131	10	12	14.0	23.5	110	11	20	*12.5	*23.5	79	10	22	*6.5	*10.0	39	9	12	*10.0	*15.5	43	10	12	9.5	15.0	37	8	8	8.0	13.0	22	4	2	3.5	5.0
09	159	4	6	13.0	19.0	134	8	12	*15.0	*24.5	108	12	25	*13.5	*24.0	79	20	24	*6.0	*9.0	36	10	11	*8.0	*15.0	39	10	10	*12.0	*19.0	38	7	13	10.0	16.0	20	10	0	3.0	4.0
10	157	10	2	*13.5	*22.5	131	12	12	*15.0	*23.0	110	12	20	*15.0	*24.0	*65			*3.5	*7.0	34	10	12	*8.0	*13.5	37	19	10	*10.0	*17.0	*35			*9.5	*15.5	20	2	0	2.5	4.5
11	155	9	2	*13.5	*21.0	125	12	7	*15.0	*24.0	95	23	7	*15.0	*22.5	63	31	10	*5.0	*9.5	30	19	6	*7.5	*10.5	27	16	4	*10.5	*15.0	27	10	6	*10.0	*15.0	20	5	0	*3.5	*5.0
12	159	5	6	14.0	21.0	129	11	7	14.0	22.5	100	20	15	*14.5	*25.0	75	28	16	*14.0	*21.0	28	16	4	*7.0	*9.5	31	13	8	8.5	12.0	29	14	8	*8.0	*12.5	22	7	2	3.0	5.0
13	161	4	6	13.0	20.5	135	9	10	*14.5	*23.0	112	13	18	*13.5	*22.5	81	20	21	*12.0	*22.0	36	28	10	*7.0	*12.0	35	20	12	9.0	14.5	41	14	11	9.0	12.5	24	4	4	2.5	4.5
14	160	5	4	11.0	18.0	135	10	6	12.0	20.0	113	16	14	13.5	23.0	86	21	23	10.5	19.0	38	26	11	*9.0	*16.0	39	14	12	10.0	13.5	37	9	11	8.5	13.5	26	11	6	3.5	6.0
15	163	6	5	11.0	18.0	137	10	11	11.0	20.5	116	10	18	12.5	22.5	89	16	24	10.0	18.0	58	6	32	11.0	17.0	45	10	16	9.5	15.0	40	3	6	*6.5	*11.0	26	5	4	3.5	5.5
16	163	5	5	10.0	17.0	139	9	14	11.0	20.0	118	9	13	12.0	21.0	91	15	21	*8.0	*16.5	58	10	26	10.0	17.5	49	6	10	*10.0	*16.0	43	2	6	6.0	10.5	26	13	2	4.0	7.0
17	163	2	6	10.0	17.0	137	8	14	10.0	18.5	115	11	16	11.0	18.0	89	13	16	8.5	17.5	56	10	15	*9.5	*16.0	53	8	4	6.5	11.5	45	3	4	4.5	7.5	26	7	2	3.0	5.0
18	161	4	5	11.5	17.0	137	6	9	12.0	22.0	118	8	8	9.0	18.0	95	6	10	7.5	12.0	60	9	6	5.5	11.5	57	6	3	5.0	8.5	45	4	2	4.0	7.0	26	4	4	3.0	5.0
19	161	3	6	11.5	17.5	137	5	6	11.0	20.0	120	4	7	10.5	18.5	93	8	5	7.0	13.0	64	7	6	5.5	10.5	61	4	4	3.0	5.0	45	3	2	4.0	7.0	26	5	4	3.0	5.0
20	159	3	4	10.5	16.5	137	6	6	10.0	18.0	118	7	4	9.0	18.0	91	11	2	7.5	13.5	64	2	6	6.0	11.5	61	4	4	2.5	5.0	47	3	4	3.5	7.0	26	4	2	2.5	5.0
21	157	6	2	11.0	17.0	135	7	2	12.0	19.0	118	7	4	11.0	20.0	91	9	5	8.5	15.0	62	5	5	5.5	10.0	59	4	4	3.0	5.0	47	3	2	3.0	6.0	26	4	1	2.5	5.0
22	159	6	6	12.0	18.5	135	7	5	*10.5	*17.5	118	5	5	10.5	19.0	91	7	5	8.5	14.5	62	4	6	5.0	8.5	55	6	4	4.5	7.5	47	2	2	4.0	6.5	26	2	0	2.5	5.0
23	157	4	3	10.0	16.0	137	4	6	10.0	16.5	118	5	6	9.5	17.0	91	7	5	7.0	11.0	58	6	3	6.0	10.5	55	4	5	5.0	9.0	45	7	2	4.0	7.0	26	3	2	2.0	5.0

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0 N Long. 79.5 W Season Spring (Mar. Apr. May) 1961

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	159	5	5	10.5	16.0	160	4	5	7.5	16.0	158	5	6	11.5	17.0	160	5	4	10.5	15.5	160	4	5	9.5	15.0	160	4	6	10.0	15.0
.051	139	6	6	9.0	14.0	138	6	8	11.0	16.5	132	8	13	12.0	18.0	134	11	9	10.0	15.5	134	8	8	10.0	15.5	137	6	7	8.5	13.0
.160	119	6	7	7.5	12.5	115	8	13	11.0	17.0	110	10	21	12.5	19.0	110	16	15	11.0	17.5	112	9	12	9.5	16.0	118	6	8	7.0	12.0
.495	99	6	7	6.5	11.0	93	8	11	8.0	13.5	87	11	11	8.0	13.5	88	16	13	9.0	15.0	92	9	9	8.0	13.0	97	7	6	6.0	10.5
2.5	68	6	5	5.0	9.0	64	6	7	7.0	12.0	43	12	8	5.0	8.0	43	17	10	4.0	7.0	54	10	8	5.5	8.5	66	5	6	4.5	7.5
5	58	4	4	4.5	7.5	54	4	5	5.5	9.0	32	11	8	7.5	12.5	30	17	9	6.0	8.5	51	4	5	4.5	7.0	58	3	3	4.5	6.5
10	42	5	5	4.0	7.0	39	5	5	4.0	6.5	30	8	6	7.5	11.0	32	9	7	6.5	10.0	43	3	4	4.5	7.0	45	3	4	4.5	7.5
20*	24	4	1	1.5	2.5	24	4	2	1.5	2.5	25	5	3	2.5	4.5	27	6	3	3.5	5.5	28	3	4	3.5	5.0	24	4	3	2.5	4.0

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

*Corrected sheet - F_{am} on 20 Mc/s was in error for April 1961.

USCOMM-NBS-BL

RN-14

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0 N Long. 79.5 W Season Summer (June July Aug.) 19 61

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	167	5	5	11.5	17.5	166	6	4	12.5	18.5	165	6	5	13.5	19.0	167	6	4	11.0	16.0	166	5	4	9.0	13.5	166	5	4	10.0	15.5
.051	149	6	7	10.0	15.5	148	5	9	12.0	18.0	145	7	14	13.5	19.5	146	11	12	11.5	17.0	146	7	11	10.0	15.0	146	6	9	9.5	14.0
.160	130	6	7	9.0	14.5	129	7	9	11.5	18.0	125	9	12	12.5	19.5	128	11	13	12.0	19.0	126	9	9	10.5	16.5	127	7	6	8.0	12.5
.495	107	7	7	8.0	13.5	105	8	11	10.0	16.5	100	11	19	11.5	19.0	106	14	20	12.0	19.0	103	10	12	10.0	16.0	105	8	6	7.0	12.0
2.5	73	5	6	5.5	10.5	70	7	8	7.0	12.5	54	14	11	6.0	10.0	58	24	16	8.5	14.5	66	12	11	6.5	11.0	72	4	6	4.5	9.0
5	63	3	4	4.0	8.0	60	5	6	6.0	10.5	45	11	9	9.5	15.5	46	23	14	8.5	13.5	61	10	7	6.0	11.0	64	5	4	3.0	6.5
10	48	5	5	4.5	8.0	45	7	7	5.5	10.0	37	7	6	7.5	12.0	41	14	6	7.5	11.5	49	5	5	4.5	7.5	50	4	6	3.5	7.0
20	25	5	4	3.0	4.5	25	7	3	3.0	5.5	25	6	4	3.0	5.5	30	11	5	5.0	8.5	31	5	4	3.5	6.5	26	5	3	2.5	5.0

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

USCOMM-NBS-DL

RN-14

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1 N Long. 105.1 W Season Summer (June July Aug.) 19 61

Frequency (Mc)	TIME BLOCKS (LST) 0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	162	3	5	11.0	18.5	160	3	4	13.0	20.0	161	4	5	12.0	19.0	168	6	4	8.5	14.0	168	5	6	8.0	14.0	165	5	4	9.5	16.0
.051	139	5	6	9.5	16.5	131	7	5	12.0	19.5	131	7	5	10.5	18.0	145	9	8	7.5	12.5	146	8	9	7.0	12.0	143	6	6	7.5	13.5
.160	116	6	6	8.0	15.5	102	9	13	12.0	20.0	101	6	6	11.0	18.0	122	12	14	8.5	14.5	124	11	15	8.0	14.0	120	8	9	6.5	12.0
.495	96	6	7	7.5	12.5	72	12	8	7.0	11.0	74	16	10	6.5	10.0	103	13	22	10.0	17.5	102	14	18	9.0	15.5	99	7	7	6.0	11.0
2.5	72	5	6	5.0	9.0	54	6	5	4.0	7.5	47	7	3	2.0	4.5	62	15	14	6.5	11.0	67	11	13	6.0	11.0	74	4	6	4.0	8.0
5	64	4	4	4.5	8.5	52	6	6	5.0	8.5	42	7	4	3.5	5.5	53	14	10	5.5	9.0	62	8	7	4.0	7.0	67	4	4	4.0	7.5
10	43	6	5	4.5	8.5	40	3	4	4.5	8.0	35	6	4	5.0	8.0	44	12	5	5.5	9.0	51	5	4	3.5	7.0	50	4	5	3.5	7.5
20	19	2	2	2.0	3.5	22	3	2	2.0	3.0	26	5	3	4.5	6.5	31	7	5	6.0	9.0	30	7	5	5.0	7.5	24	5	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

RN-14

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Byrd Station, Ant. Lat. 80.0 S Long. 120.0 W Season Winter (June July Aug.) 19 61

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	113	3	2			112	2	2			111	3	3			110	2	2			112	2	2			113	3	2		
.113	84	2	3			84	4	4			84	3	4			83	3	3			83	3	3			84	4	3		
.246	71	4	4			72	3	3			72	3	3			72	3	3			72	5	5			72	4	4		
.545	56	4	4			56	4	3			55	4	4			55	3	4			56	5	3			56	3	4		
2.5	29	4	5			30	5	4			28	4	6			29	4	5			30	4	4			28	3	6		
5	25	10	9			25	10	9			26	10	6			31	6	9			34	8	9			31	10	8		
10	21	4	7			20	6	7			21	5	5			23	2	5			23	3	6			21	5	6		
20	18	2	2			18	2	2			18	2	2			19	2	2			18	2	2			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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Cook, Australia Lat. 30.6 S Long. 130.4 E Season Winter (June July Aug.) 1961

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	154	3	2	7.5	12.0	153	3	2	7.5	12.0	150	3	3	10.0	15.0	149	3	2	10.5	16.5	143	3	3	8.5	13.5	154	3	3	8.0	12.5
.051	125	4	3	8.0	13.0	123	5	3	8.0	13.0	108	10	4	11.5	17.5	110	8	4	12.0	18.5	113	8	5	11.5	17.0	123	6	4	9.0	15.0
.160	100	5	4	7.5	12.5	92	7	6	8.5	13.0	65	11	5	7.0	9.0	69	11	5	7.5	10.5	83	14	8	11.5	18.0	98	7	5	7.5	13.5
.545	80	7	4	6.5	11.0	66	11	6	8.0	13.0	48	10	6	3.5	5.5	52	8	8	3.5	6.0	68	9	7	7.0	11.0	80	8	4	6.5	12.0
2.5	56	8	3	5.0	9.0	48	10	4	5.5	8.5	23	10	4	4.5	7.0	24	8	3	3.5	5.0	38	14	5	7.0	11.0	53	8	4	5.0	9.5
5	49	7	4	5.0	8.5	46	6	4	4.5	7.5	23	12	5	4.5	6.5	23	12	6	3.5	5.5	41	9	5	6.0	10.0	53	6	5	5.5	9.5
10	36	5	4	3.5	6.0	32	4	5	3.0	5.5	27	6	5	4.5	6.0	27	9	4	4.0	6.0	36	5	4	4.5	7.0	38	5	4	4.0	6.5
20	23	0	1	2.5	3.5	23	1	1	3.5	7.0	23	2	2	3.0	5.0	23	2	1	4.0	6.0	24	2	1	3.0	3.5	24	0	1	2.5	3.5

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

USCOMM-NBS-BL

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Enkoping, Sweden Lat. 59.5 N Long. 17.3 E Season Summer (June July Aug.) 1961

	TIME BLOCKS (LST)																										
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	154	5	2	10.0	16.0	153	5	3	11.5	18.0	156	6	5	11.0	17.0	160	5	5	9.5	16.5	159	5	6	10.0	15.5	156	5	4	9.0	15.0
.051	124	7	7	11.0	17.5	117	10	8	13.0	20.5	124	7	9	11.5	18.5	131	7	9	10.0	14.0	129	7	10	11.0	17.0	128	7	8	10.0	16.5
.160	104	8	7	7.0	12.0	82	13	8	6.5	10.5	87	14	9	8.0	11.5	100	13	17	10.0	16.0	98	14	17	9.5	17.0	104	8	8	6.5	12.0
.495	72	12	8	5.0	8.0	53	14	4	3.5	5.5	58	17	7	7.5	11.5	70	17	17	8.5	15.0	67	18	12	8.0	13.5	81	8	8	4.5	8.0
2.5	59	8	6	7.0	11.5	36	11	7	7.0	10.0	30	8	3	5.0	7.5	35	11	6	6.5	9.5	42	9	8	4.5	7.5	59	8	6	5.5	9.5
5	57	4	6	5.0	8.5	41	6	6	6.0	9.0	32	10	4	6.0	9.5	40	8	11	6.5	10.5	49	8	9	6.0	10.0	59	5	5	4.5	8.0
10	42	5	6	4.0	7.0	42	6	5	5.0	8.0	39	5	6	6.0	9.5	43	5	5	5.0	9.0	48	5	5	5.5	8.5	46	4	5	5.0	8.5
20	17	2	2	1.5	3.0	17	4	3	1.5	3.0	19	6	4	2.5	4.5	19	4	3	2.5	4.0	20	4	4	2.5	4.0	18	3	2	1.5	3.5

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

USCOMM-NBS-BL

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Front Royal, Virginia Lat. 38.8 N Long. 78.2 W Season Summer (June July Aug.) 19 61

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.135	115	6	6			108	8	9			104	10	11			112	12	12			114	13	12			115	9	5		
.500	90	7	7			70	10	7			62	13	5			76	23	12			82	20	16			87	11	7		
2.5	74	5	7			53	8	7			29	13	3			43	23	9			57	19	12			75	6	6		
5	65	15	5			53	4	6			34	8	4			43	13	8			56	10	7			67	4	4		
10	45	4	3			43	4	3			40	4	4			43	4	4			50	4	3			51	4	3		
20	23	1	1			22	1	1			25	3	1			29	4	1			30	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-BL

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Kekaha (Kauai), T.H. Lat. 22.0 N Long. 159.7 W Season Summer (June July Aug.) 19 61

	TIME BLOCKS (LST)																										
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	155	2	2	9.0	14.5	154	4	2	11.0	17.5	151	3	2	9.5	15.5	151	3	2	8.5	13.5	149	3	2	9.5	15.5	152	2	2	8.0	13.5
.051	127	5	4	9.5	15.5	124	5	4	11.5	18.5	111	8	4	9.5	14.5	112	7	3	8.5	14.0	108	6	4	7.5	12.5	121	5	3	8.5	14.5
.160	102	6	6	9.5	16.0	91	9	5	10.5	17.5	74	16	6	9.0	17.0	72	17	4	9.0	16.0	77	9	4	7.0	12.5	97	6	5	7.5	12.5
.495	77	11	6	10.5	18.0	64	12	5	8.5	15.5	50	14	4	4.5	7.0	49	18	3	5.0	8.0	54	14	5	4.5	7.5	73	11	6	8.0	13.0
2.5	56	6	4	6.0	9.5	51	6	4	5.5	10.0	34	5	3	2.5	4.5	32	5	3	2.5	4.5	35	6	4	3.0	4.5	52	6	4	5.0	8.0
5	61	7	7	5.5	10.0	47	8	5	6.0	9.5	24	7	4	5.0	7.5	22	6	4	5.0	7.5	33	6	4	5.0	7.5	50	4	4	4.5	8.5
10	40	4	3	2.5	5.0	36	4	3	2.5	5.0	22	5	4	3.5	6.0	17	7	5	3.0	5.0	36	4	3	3.5	6.0	41	3	3	3.0	5.5
20	25	1	1	1.0	3.0	24	1	1	1.0	3.0	22	2	1	2.0	3.5	23	2	2	2.5	4.0	26	3	2	2.5	4.5	25	1	1	1.5	3.5

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

USCOMM-NBS-BL

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Ohira, Japan Lat. 35.6 N Long. 140.5 E Season Summer (June July Aug.) 19 61

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	156	4	3	10.0	15.0	155	4	5	11.5	17.0	154	4	5	12.0	17.5	156	5	4	11.0	16.5	157	4	3	7.5	12.0	157	4	2	9.5	15.0
.051	132	5	4	8.5	14.0	126	8	6	11.5	18.5	124	8	8	13.5	19.5	127	10	6	10.0	15.5	128	11	7	8.0	14.0	132	6	5	8.5	13.5
.160	110	5	5	8.0	14.5	96	15	11	11.0	18.5	92	17	11	13.5	20.5	96	14	13	8.5	16.0	99	14	11	10.5	17.0	110	6	5	7.5	13.5
.545	85	9	8	7.5	14.0	70	16	7	9.0	13.0	68	15	6	6.0	11.0	73	17	9	7.5	12.5	75	16	10	9.5	15.0	75	10	6	7.0	12.0
2.5	62	7	8	5.5	10.0	48	10	5	6.5	9.5	36	9	3	6.0	8.5	36	12	4	6.5	9.0	46	15	8	7.0	10.0	62	6	7	4.5	7.5
5	58	5	7	5.0	8.0	48	6	6	6.0	10.0	36	7	6	7.0	9.5	36	10	7	7.0	9.5	50	8	7	6.0	9.0	67	6	7	5.0	8.0
10	44	5	4	3.0	6.0	38	6	4	4.5	7.5	30	6	4	5.0	7.0	31	7	5	4.0	6.0	43	4	4	4.0	6.5	46	5	4	3.5	6.0
20	24	3	3	0.5	2.0	24	2	2	1.5	3.0	24	3	2	2.0	3.0	25	4	2	1.5	3.0	28	4	3	2.0	3.5	26	5	3	1.5	2.5

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Pretoria, S. Africa Lat. 25.8 S Long. 28.3 E Season Winter (June July Aug.) 19 61

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	123	11	7			121	12	8			112	15	14			115	11	10			118	12	10			122	12	7		
.113	108	12	8			101	16	8			89	22	10			88	20	9			97	18	13			107	13	9		
.246	96	14	7			83	15	9			71	18	2			71	18	2			80	18	9			94	14	7		
.545	87	14	8			71	12	6			59	6	2			59	6	2			74	13	8			87	10	8		
2.5	61	12	10			54	14	9			37	7	5			38	5	4			50	12	8			60	14	9		
5	51	9	9			46	10	7			32	12	7			30	12	5			46	12	10			50	9	8		
10	28	5	4			29	8	.5			29	16	7			27	14	7			38	6	8			30	6	4		
20	20	19	0			20	21	0			28	19	2			21	10	1			22	15	2			20	19	0		

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station São José, Brazil Lat. 23.3 S Long. 45.8 W Season Summer (Dec. Jan. Feb.) 1960-61

	TIME BLOCKS (LST)																										
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	122	8	7	11.0	16.0	115	9	8	12.5	17.5	109	11	10	12.0	17.0	121	12	11	10.5	15.0	125	13	11	10.0	15.0	124	9	9	10.5	14.5
.113	105	9	7	10.5	14.5	93	12	9	9.0	12.0	88	14	7	8.5	11.0	101	14	14	10.0	14.0	106	20	13	9.0	14.5	107	12	9	8.5	12.5
.246	87	9	9	7.5	11.5	77	12	10	7.5	10.0	75	14	9	7.0	11.0	87	16	18	10.5	14.0	89	19	15	10.0	14.0	90	12	8	8.5	12.0
.545	80	7	8	9.0	12.5	72	8	8	7.5	11.0	82	7	9	8.0	11.5	85	13	8	8.5	11.0	86	17	10	8.0	11.5	88	8	8	7.0	9.5
2.5	57	8	10	6.5	10.0	52	9	11	8.0	11.0	33	9	4	5.0	7.5	43	19	13	9.5	13.5	58	18	11	6.5	10.0	66	7	8	5.5	9.5
5	70	5	9	7.0	10.0	54	6	10	8.0	12.0	36	10	7	7.5	10.5	42	14	9	8.0	12.5	57	11	7	6.0	9.5	64	5	6	4.5	7.0
10	50	6	6	6.5	9.5	45	8	6	6.0	9.0	38	6	7	6.0	9.5	43	8	6	7.0	9.0	52	10	5	5.5	8.0	52	5	5	6.0	8.5
20	34	4	4	4.0	5.5	33	2	4	2.5	4.5	32	3	3	2.5	4.0	34	8	4	4.0	5.5	53	10	4	3.0	5.0	35	6	5	3.5	5.0

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

USCOMM-NBS-BL

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station São José, Brazil Lat. 23.3 S Long. 45.8 W Season Winter (June *** Aug.) 19 61

Frequency (Mc)	TIME BLOCKS (LST) 0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	132					130					123					124					125	6	10			131	6	6		
.113	116					113					107					105					106	11	9			116	10	8		
.246	101					89					89					84					92	12	12			100				
.545	90					92					94					94					92	6	14			97	4	8		
2.5	57	16	9			55	16	16			39	12	7			37	5	12			50	14	22			60	13	16		
5	62	13	7			62	8	6			53	6	6			51	5	6			63	6	7			70	6	5		
10	49	8	8			47	5	6			50	4	8			49	4	6			54	3	9			53	5	6		
20	38	2	2			38	2	2			38	3	3			38	4	4			39	4	4			38	5	3		

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

*** No July Data

USCOMM-NBS-BL

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Singapore, Malaya Lat. 1,3 N Long. 103.8 E Season Summer(June July Aug.) 1961

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	160	6	3	10.5	16.0	161	5	4	11.0	17.0	158	7	3	13.5	20.0	162	5	4	11.5	18.0	162	4	4	9.5	15.0	160	4	4	10.0	15.0
.051	139	5	5	10.0	15.5	136	6	7	12.0	18.0	130	10	9	14.0	22.5	136	10	10	13.0	21.0	138	7	9	11.0	19.0	137	6	5	10.0	16.0
.160	120	5	6	9.0	16.0	114	9	13	12.5	21.5	105	14	13	14.0	24.5	112	16	16	13.0	23.5	117	8	10	11.0	19.0	119	5	6	9.0	16.5
.545	93	6	6	8.0	14.0	83	14	12	11.0	18.0	72	22	18	10.5	17.0	86	20	24	12.5	22.0	93	9	13	9.5	17.0	94	6	6	7.5	13.5
2.5	61	7	5	6.5	11.5	58	8	9	8.0	13.5	36	16	10	9.0	14.5	40	21	14	8.5	13.0	60	8	11	7.5	13.0	64	4	5	6.0	10.0
5	56	5	4	5.5	9.5	53	5	6	7.0	11.5	37	11	8	9.5	15.0	79	15	12	9.0	13.5	56	5	6	6.0	9.5	59	6	4	4.0	7.0
10	43	4	5	4.5	7.0	40	5	5	5.0	7.0	35	7	7	9.0	13.5	37	10	7	8.0	12.5	46	3	3	4.5	7.5	48	3	3	3.5	6.0
20	23	2	1	2.0	3.5	23	2	1	2.5	3.5	22	5	1	3.0	4.0	25	8	3	3.0	5.0	28	5	3	3.0	5.0	27	3	2	2.0	4.0

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

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

NATIONAL BUREAU OF STANDARDS
A. V. Astin, Director

THE NATIONAL BUREAU OF STANDARDS

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

WASHINGTON, D.C.

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

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

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

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

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

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

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

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

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

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

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

Data Processing Systems. Components and Techniques. Digital Circuitry. Digital Systems. Analog Systems. Applications Engineering.

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

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

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

Office of Weights and Measures

BOULDER, COLO.

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

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

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

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

Radio Systems. High Frequency and Very High Frequency Research. Modulation Research. Antenna Research. Navigation Systems.

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


NBS