NBS

Technical Note

No. 18-13

Boulder Laboratories

QUARTERLY RADIO NOISE DATA
DECEMBER, JANUARY, FEBRUARY
1961 - 62

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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No. 18-13

May 22, 1962

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DECEMBER, JANUARY, FEBRUARY 1961-62

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

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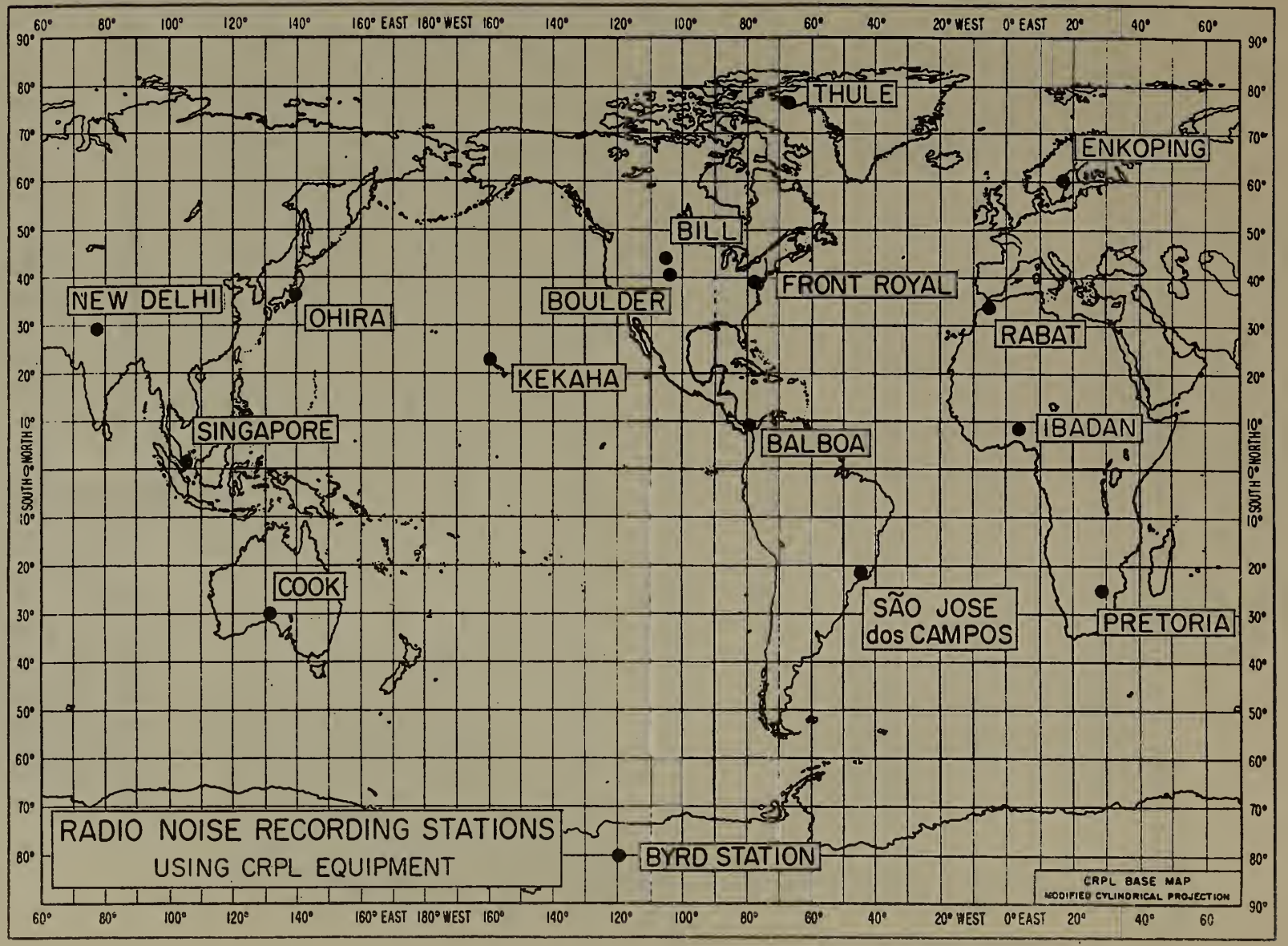
Radio Noise Recording Station

ARN-2 Atmospheric Radio Noise Recorder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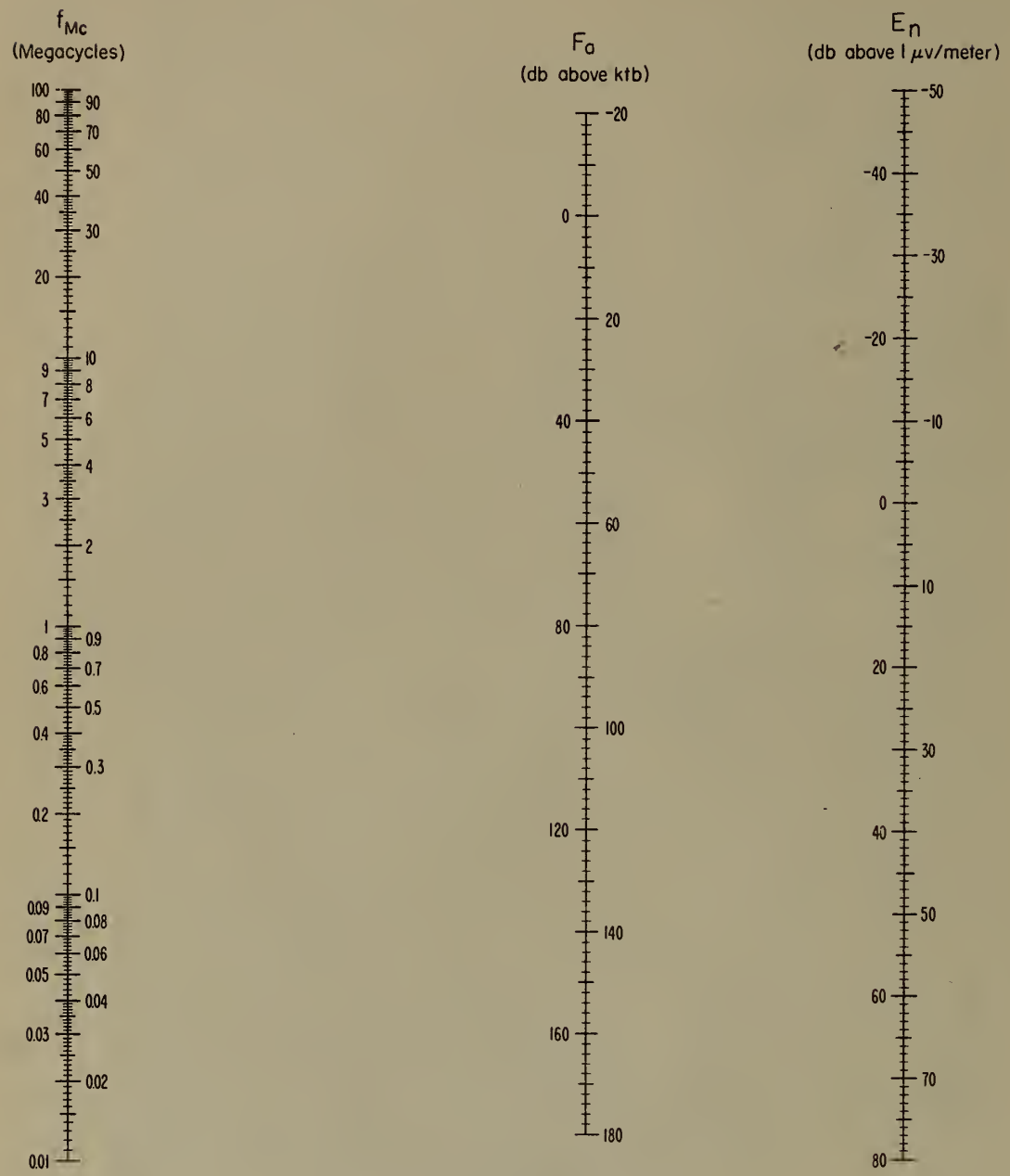
BYRD STATION
RADIO NOISE RECORDING STATIONS
USING CRPL EQUIPMENT
CRPL BASE MAP
MODIFIED CYLINDRICAL PROJECTION
60° 80° 100° 120° 140° 160° EAST 180° WEST 160° 140° 120° 100° 80° 60° 40° 20° WEST 0° EAST 20° 40° 60°
90° 80° 70° 60° 50° 40° 30° 20° 10° SOUTH 0° NORTH 10° 20° 30° 40° 50° 60° 70° 80° 90°

NOMOGRAM FOR TRANSFORMING EFFECTIVE ANTENNA NOISE FIGURE TO NOISE FIELD STRENGTH AS A FUNCTION OF FREQUENCY



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

F_a = Effective Antenna Noise Figure = External Noise Power Available from an Equivalent Short, Lossless, Vertical Antenna in db Above ktb.

E_n = Equivalent Vertically Polarized Ground Wave R.M.S. Noise Field Strength in db Above 1 μv/meter for a 1 kc Bandwidth.

f_{Mc} = Frequency in Megacycles.

Radio Noise Data for the Season

December, January, February 1961-62

Radio noise measurements are being made at sixteen stations in a world-wide network supervised by the National Bureau of Standards (see map). The results of these measurements for the period December, January, February 1961-62 are presented in the attached tables. These are based on three parameters of the noise: (1) the mean power, (2) the mean envelope voltage, and (3) the mean logarithm of the envelope voltage. The mean power averaged over a period of several minutes is the basic parameter and is expressed as an effective antenna noise figure, F_a. F_a is defined as the noise power available from an equivalent lossless antenna in db above ktb (the thermal noise power available from a passive resistance) where

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

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

b = Bandwidth in cycles per second.

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

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

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

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

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

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

where

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

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

The nomogram given may be used for this conversion.

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

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

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

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

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

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

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

Postmaster General's Department (Australia) - Cook

Board of Telecommunications (Sweden) - Enkoping

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

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

Radio Research Laboratories (Japan) - Ohira

Telecommunications Research Laboratory (South Africa) - Pretoria

Institut Scientifique Chérifien (Morocco) - Rabat

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

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

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

The following publications contain additional information on radio noise:

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

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

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

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

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

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

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

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

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

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

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

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

Station	Data	Time Zone	To Convert LST to GMT (hours)
Balboa	Dec. Jan. Feb. 1961-62	75 W	+05
Bill	Dec. 1961	105 W	+07
Boulder	Dec. Jan. Feb. 1961-62	105 W	+07
Byrd Station	Dec. Jan. 1961-62	120 W	+08
Cook	Dec. Jan. Feb. 1961-62	135 E	-09
Enkoping	Dec. Jan. Feb. 1961-62	15 E	-01
Front Royal	Dec. Jan. Feb. 1961-62	75 W	+05
Kekaha	Dec. Jan. Feb. 1961-62	150 W	+10
New Delhi	July Aug. 1961	75 E	-05
	Sept. Oct. Nov. 1961		
Ohira	Dec. Jan. Feb. 1961-62	135 E	-09
Pretoria	Dec. Jan. Feb. 1961-62	30 E	-02
Rabat	Dec. Jan. Feb. 1961-62	GMT	0
São José dos Campos	Jan. 1962	45 W	+03
Singapore	Dec. 1961	105 E	-07
Thule	Dec. Jan. Feb. 1961-62	75 W	+05

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

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

18-2 March, April, May 1959

18-3 June, July, August 1959

18-4 September, October, November 1959

18-5 December, January, February 1959-60

18-6 March, April, May 1960

18-7 June, July, August 1960

18-8 September, October, November 1960

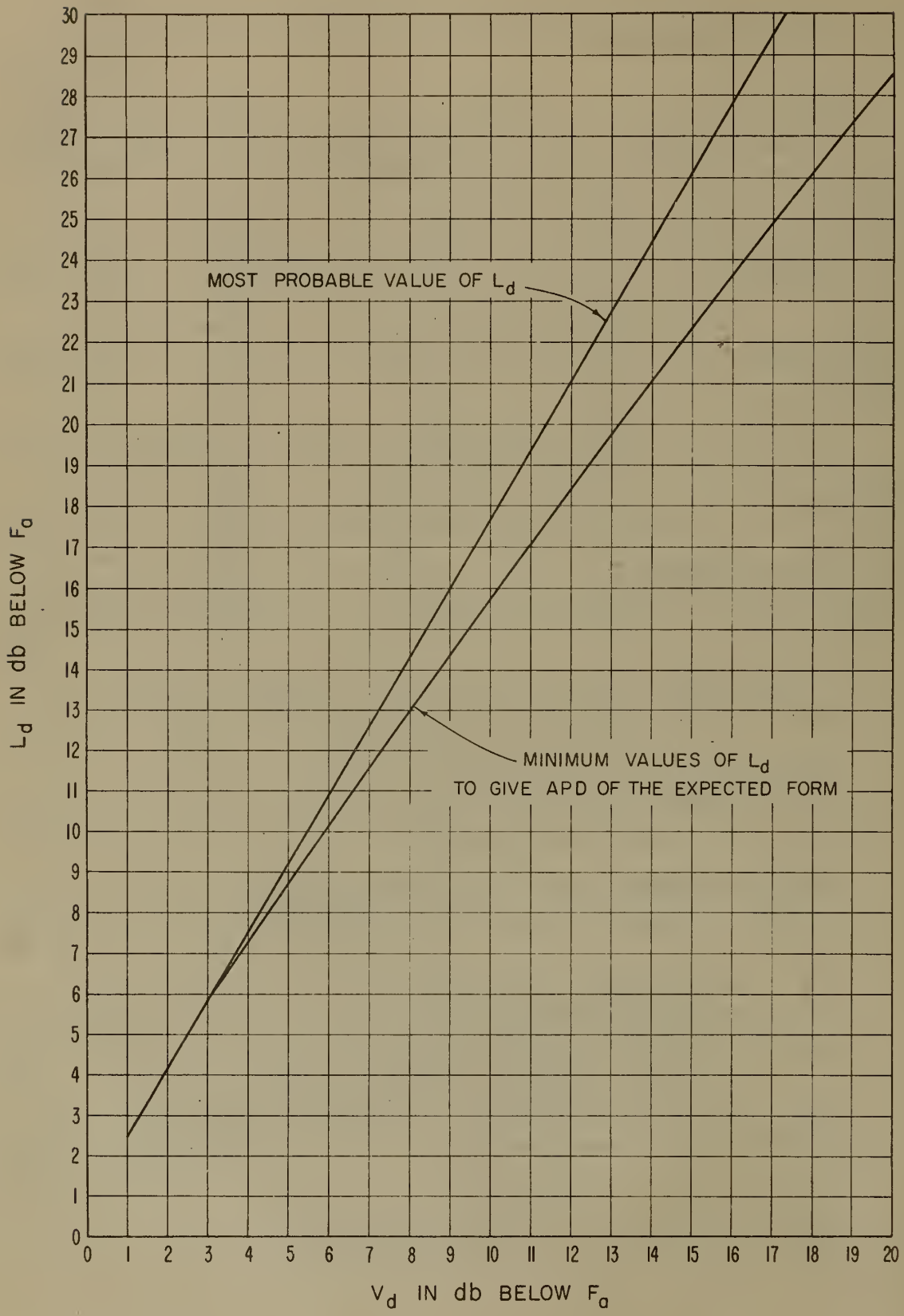
18-9 December, January, February 1960-61

18-10 March, April, May 1961

18-11 June, July, August 1961

18-12 September, October, November 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 December 1961

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	157	7	5	12.5	17.0	132	14	8	*12.0	*19.0	115	12	9	9.0	15.5	94	12	4	*9.0	*16.5	66	8	6	7.5	12.0	58	4	6	4.0	8.0	40	10	6	*4.5	*7.0	22	6	4	2.0	3.0
01	157	11	5	12.5	17.5	134	12	10	11.0	18.0	118	6	10	10.0	16.0	95	13	7	9.0	14.5	67	3	6	7.0	12.5	58	4	6	*4.5	*7.0	37	13	3	3.0	5.0	21	3	3	2.0	2.5
02	157	8	4	14.0	18.0	135	11	7	11.5	18.0	118	7	11	12.0	19.0	96	14	6	*11.0	*18.0	69	6	7	6.5	11.0	56	6	3	*4.0	*6.0	37	7	5	*3.5	*6.0	20	4	2	1.5	2.5
03	157	9	4	*13.5	*18.0	135	11	8	12.0	18.0	117	8	7	11.0	18.5	94	14	4	*8.5	*16.0	69	4	6	6.5	11.0	56	4	7	6.0	9.0						22	0	4	2.0	2.5
04	157	11	4	*12.0	*18.0	136	6	8	11.0	17.0	115	10	7	*10.0	*17.0	92	14	7	*11.0	*19.0	69	4	5	7.5	12.0	56	6	6	5.0	8.5						22	2	4	2.0	2.0
05	159	6	6	*12.0	*18.5	134	11	8	*10.0	*17.0	114	10	6	12.0	20.0	92	12	8	*10.0	*20.0	69	5	9	*6.0	*10.0	58	4	5	*4.5	*8.0	36	16	4	*4.5	*8.0	22	4	2	*1.0	*2.0
06	159	6	6	*13.0	*18.5	131	11	7	12.5	18.5	108	13	15	*14.0	*23.5	86	18	10	*12.5	*21.0	67	6	10	*9.0	*16.0	60	4	7	*5.0	*8.0	46	30	12	*3.0	*5.0	22	4	2	2.0	3.5
07	157	4	6	*12.5	*18.0	124	16	7	*13.0	*20.0	106	13	23	*6.0	*9.5	82	20	10			59	4	12	*5.0	*10.0	52	6	7	*7.0	*10.5	46	23	9	*6.0	*11.0	24	4	2	2.0	3.0
08	155	6	6	*13.0	*19.0	124	16	9	*14.0	*22.0	106	19	25	*15.0	*24.5	80	24	2	*14.0	*23.0	61	3	6	*4.0	*10.0	42	10	6	*7.5	*12.0	46	22	14	*5.0	*7.0	24	5	4	3.0	4.5
09	155	6	8	*11.0	*17.0	120	19	9	*14.0	*21.0	96	25	12	*15.5	*25.0	82	18	5	*9.0	*21.5	61	3	4	*3.0	*6.5	38	17	8	*7.5	*13.0	38	24	6	*5.0	*7.5	24	6	4	*4.0	*5.0
10	154	6	5	*12.0	*18.0	122	12	7	*17.0	*24.0	96	29	12	*16.0	*27.0	78	21	5	*12.0	*24.0	60	3	6	3.0	7.0	36	12	6	*3.0	*4.0	34	26	5	*8.0	*11.5	26	4	6	4.5	7.0
11	154	5	5	*11.0	*16.5	122	13	6	*12.5	*18.5	98	20	12	*18.5	*27.0	80	13	8			59	4	9	*3.0	*7.0	34	13	6	*7.0	*11.5	34	26	8	*4.0	*5.0	26	6	4	*4.0	*7.0
12	155	7	4	*11.5	*17.5	124	20	4	*13.0	*19.5	95	30	9			80	34	6	*15.5	*25.0	61	15	10	*4.0	*8.5	32	28	6	5.0	7.0						26	4	6	*3.0	*5.0
13	158	5	3	*12.0	*18.0	126	23	4	*14.0	*21.0	101	35	15	*16.5	*24.0	85	32	10	*13.0	*22.0	61	21	10	4.0	9.0	34	19	4	9.0	12.5	33	32	5	*5.5	*8.0	25	11	3	3.0	5.0
14	159	10	4	11.0	17.0	130	16	8	*13.0	*21.0	112	18	22	*14.5	*24.0	92	18	8	*15.0	*24.0	59	18	13	*4.0	*9.0	40	20	7	*6.0	*11.0	36	31	6	*5.0	*8.0	28	6	6	5.0	8.0
15	160	5	5	11.0	17.0	132	12	10	*15.0	*23.0	116	13	29	*14.0	*22.0	88	20	10	*12.5	*21.0	61	13	12	*2.5	*6.5	44	16	6	*6.0	*9.0	38	26	6	*5.0	*8.0	26	8	4	3.0	6.0
16	161	6	6	*12.0	*17.5	132	8	8	*14.5	*21.0	110	15	20	14.5	24.0	86	21	9	*12.0	*21.5	61	3	10	3.0	9.0	48	8	6	*6.0	*10.0	40	19	5	5.5	9.0	25	5	3	4.0	5.5
17	159	6	6	*12.0	*18.5	127	16	5	*14.0	*22.5	113	11	23	*15.0	*21.5	84	16	6	*11.0	*16.5	63	6	9	*3.0	*6.0	54	4	14	*6.0	*9.5						24	8	4	3.0	5.5
18	155	5	6	12.5	19.0	128	10	6	*11.0	*20.0	110	10	6	11.0	18.5	90	10	8	*7.0	*12.0	64	7	4	4.5	8.0	60	6	5	*6.0	*9.0	48	19	7	*7.0	*11.0	24	4	6	3.0	5.0
19	153	7	5	13.0	18.5	128	12	4	*11.0	*17.0	114	6	10	*7.5	*14.0	92	10	6	*6.0	*11.0	67	4	6	6.0	8.5	62	10	2	*6.0	*9.0	40	7	8	*5.0	*9.0	22	4	2	3.0	3.0
20	153	7	4	*13.0	*19.0	130	14	5	11.0	17.0	112	11	6	*8.0	*14.0	92	16	4	9.0	12.0	65	6	4	5.0	8.0	60	6	4	*5.0	*7.5	40	4	6	*4.0	*4.5	22	4	4	2.5	4.0
21	155	5	6	12.0	18.5	130	12	6	*12.0	*19.5	114	8	8	*8.0	*14.5	93	11	9	6.0	9.0	65	4	4	4.0	7.0	60	6	6	*3.0	*6.5	40	11	5	*4.0	*7.0	22	2	4	*1.5	*2.5
22	155	6	6	14.0	20.0	130	11	5	*10.5	*17.0	112	11	7	9.0	16.0	92	12	8	7.0	11.5	63	6	2	6.0	10.0	58	4	4	*6.0	*9.5	41	13	8	*4.0	*6.0	22	4	4	1.5	2.5
23	153	8	3	11.0	17.0	130	14	5	*9.0	*16.0	114	10	8	*10.0	*17.5	94	12	8	6.0	11.5	66	6	7	*7.0	*12.0	58	4	4	*4.5	*8.0	38	12	6	*5.0	*7.5	20	7	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

USCOMM-NBS-DC

MONTH-HOUR VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0 N Long. 79.5 W Month January 19 62

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	149	6	4	11.0	15.0	125	9	5	11.0	16.0	107	8	8	11.0	17.0	90	6	4	8.0	14.0
01	151	4	3	10.0	15.0	127	7	6	12.0	17.0	107	6	5	9.5	16.0	92	5	7	7.0	13.0
02	151	4	4	10.0	15.0	127	6	6	11.0	17.0	107	6	8	10.5	16.5	90	6	6	9.0	16.0
03	151	5	3	11.0	15.0	127	6	7	12.0	17.0	107	10	7	*9.0	*16.5	90	6	7	9.0	15.5
04	153	4	3	11.0	15.0	127	8	4	12.0	16.5	106	9	9	*11.0	*18.0	88	12	8	*11.0	*19.0
05	153	4	2	11.0	16.0	127	10	6	10.0	15.5	104	12	12	*13.5	*19.0	86	10	10	*10.0	*14.0
06	153	4	3	11.0	16.0	123	8	2	11.5	16.0	95	16	10	*14.0	*21.0	80	14	4	*13.0	*18.0
07	151	4	2	11.0	15.5	121	9	6	*13.5	*18.0	88	25	15	*15.0	*24.0	82	12	8	*9.0	*10.5
08	149	2	2	11.0	16.0	115	14	6	*16.0	*21.0	84	27	11	*16.5	*26.0	82	8	8	*8.0	*9.0
09	149	2	4	12.0	17.0	114	9	11	*15.0	*20.0	85	20	14			80	7	6	*9.5	*11.0
10	149	4	4	12.0	17.0	115	8	12	*14.0	*20.0	83	22	10	*14.5	*21.0	78	10	4	*11.0	*11.5
11	149	4	2	11.0	16.0	117	7	8	13.5	19.5	83	13	6	*9.5	*17.0	78	11	4	*7.5	*13.5
12	151	4	3	9.5	14.5	119	5	6	*12.0	*18.0	87	6	10	*10.0	*16.5	76	9	2	*5.0	*7.0
13	153	4	2	11.0	15.5	123	4	8	11.5	16.0	91	10	10	*12.0	*19.0	76	12	8	*11.5	*13.5
14	155	2	2	12.0	16.0	125	2	6	12.0	18.0	91	6	6	11.0	17.0	78	11	6	*7.5	*7.5
15	155	4	2	11.0	15.0	125	3	5	12.0	17.0	94	6	5	9.5	16.5	80	8	4	*11.0	*14.0
16	155	2	4	11.0	16.0	123	8	4	13.5	19.0	93	9	8	12.5	17.5	80	12	4	*8.0	*10.0
17	153	4	4	12.0	17.5	123	6	6	12.0	17.5	95	10	6	13.0	20.0	82	6	4	*5.0	*5.0
18	149	7	2	12.5	17.5	125	5	8	13.0	20.5	103	7	6	9.0	16.0	90	3	6	6.5	8.5
19	149	6	3	12.5	18.0	126	8	5	10.5	16.5	105	6	4	9.0	16.5	90	4	4	5.5	9.0
20	149	5	5	12.0	17.5	125	8	6	9.5	16.0	105	10	6	9.0	16.0	92	2	6	6.0	8.0
21	149	4	5	12.5	18.0	127	3	10	10.0	15.5	105	5	8	10.0	16.5	90	3	6	6.0	8.5
22	149	4	5	12.0	16.5	127	4	9	*10.5	*16.5	105	6	7	10.0	15.5	90	4	5	7.5	11.0
23	149	4	4	11.0	16.0	125	7	6	11.0	16.5	106	8	6	10.5	16.0	90	6	4	8.0	14.5

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	55	10	6	*6.0	*9.5	49	10	10	5.0	6.5	33	10	4	5.0	6.5	21	2	2	2.5	3.0
01	57	8	5	*8.5	*13.0	48	11	9			35	14	6	3.0	4.5	21	2	0	*2.0	*3.0
02	59	7	7	7.0	11.0	47	10	8	4.5	7.5	35	8	4	3.0	5.0	21	2	0	*3.0	*3.5
03	57	7	6	*7.0	*11.0	42	14	5	3.5	6.0	33	6	6	4.5	5.0	21	2	0	*1.0	*2.5
04	57	6	6	*6.5	*12.0	42	12	6	6.0	8.0	33	4	8	3.5	4.5	23	2	2	*2.0	*3.0
05	57	6	10	*8.5	*13.5	45	11	7	6.0	8.5	31	11	4	3.0	3.5	23	3	2	2.0	3.5
06	53	11	8	*8.0	*15.0	53	5	12	6.5	10.0	34	9	7	5.5	8.5	23	3	2	*1.0	*2.0
07	51	7	6	*5.0	*8.0	47	10	10	6.0	9.0	40	3	7	5.0	7.0	23	2	2	*2.0	*3.0
08	55	4	8	4.0	9.0	37	10	10	7.5	13.5	36	10	5	5.0	7.5	23	6	2	*4.0	*5.0
09	53	3	5	*3.0	*8.0	33	10	6	6.0	10.0	31	12	4			25	2	4	*3.0	*4.0
10	53	6	8	*3.5	*7.0	31	8	6	9.0	12.0	27	8	4	7.5	11.0	23	4	2	4.0	6.0
11	54	4	13	*2.5	*8.0	29	4	4	5.0	7.5						23	4	2	*3.5	*4.0
12	52	5	8	*4.0	*8.5	29	7	6	10.0	14.0						23	2	2	*3.5	*4.5
13	53	4	5	*4.0	*9.0	31	9	6	7.5	9.0	29	8	2	6.0	8.5	23	2	2	*4.0	*5.0
14	53	4	5	*5.0	*7.5	31	6	1	7.5	11.0						25	2	4	*4.0	*5.0
15	53	4	14	*5.0	*7.0	39	2	6	8.0	11.0	35	6	6			23	5	0	*4.0	*5.0
16	55	3	7	*3.0	*6.0	41	12	6	6.0	8.5	39	5	6	5.0	7.5	24	3	3	*4.5	*6.5
17	55	2	6	*4.0	*6.0	48	8	8	6.0	8.0	39	11	2			23	2	2	*5.0	*6.0
18	54	7	5	*4.0	*6.0	53	5	9	3.0	4.5	39	7	7	3.0	3.5	21	2	0	2.0	2.5
19	58	3	12	*5.0	*7.0	55	6	11	6.0	9.5	35	8	4	4.5	6.0	21	2	0	2.0	4.0
20	55	10	2	7.0	8.0	54	7	10	8.5	13.0	33	5	4			21	2	2	*4.0	*4.0
21	57	8	6	4.0	7.5	52	10	7	6.0	8.5	31	8	6	4.0	5.5	21	2	2	3.5	4.5
22	55	6	4	*6.0	*9.0	47	10	6	6.0	10.0	33	8	5	2.5	4.0	21	2	2	3.0	4.0
23	57	6	6	6.0	9.0	45	12	6	5.0	7.0	31	6	4	4.0	7.5	21	2	0	3.0	3.5

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

USCOMM-NBS-DL

MONTH-HOUR VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0N Long. 79.5W Month February 19 62

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5					5					10					20				
	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}
00	153	2	4	14.0	19.0	129	6	6	10.5	15.5	110	6	6	7.0	12.5	92	7	6	6.0	11.0	63	6	5	7.0	11.0	59	6	8	4.0	7.0	42	10	6	4.0	7.0	22	2	0	*1.0	*2.0
01	153	4	2	12.0	18.0	131	4	4	9.5	14.5	110	6	4	8.0	13.5	92	8	4	7.0	12.5	63	8	6	5.0	8.0	60	4	5	4.0	6.5	41	13	7	3.5	6.0	22	2	0	*1.0	*2.0
02	153	3	4	12.0	16.5	131	6	4	*10.0	*16.0	111	5	5	9.0	14.5	92	8	6	8.0	12.5	65	6	6	*6.0	*10.0	59	5	10	4.5	7.0	40	8	6	2.0	4.0	22	2	0	*1.0	*2.0
03	154	4	6	11.5	16.0	131	6	4	9.0	14.0	110	6	4	9.0	16.0	92	6	6	8.5	15.0	63	7	4	7.0	12.5	57	4	9	5.0	8.0	36	4	6	2.5	4.0	22	2	0	1.0	2.0
04	155	2	6	10.5	16.0	133	4	6	8.5	13.0	108	10	2	9.0	16.0	90	8	4	9.0	16.0	65	6	4	*7.0	*10.5	57	4	6	5.0	10.0	32	8	2	2.0	5.0	24	0	0	1.5	2.0
05	155	4	4	12.0	15.0	131	4	4	10.0	15.0	110	6	6	*9.0	*16.5	88	10	6	11.0	18.0	65	4	6	*7.5	*12.5	57	4	5	5.0	8.5	32	6	2	4.0	7.0	24	0	2	1.0	2.0
06	155	2	6	9.0	14.0	127	4	4	10.0	15.0	102	10	8	*8.0	*15.0	82	10	8	*7.0	*7.5	63	4	8	*7.5	*14.0	63	5	14	7.0	13.0	42	6	8			24	2	2	*1.0	*2.0
07	151	5	1	10.0	15.5	122	7	5	10.5	16.0	90	20	14	*10.5	*17.0	80	10	8	5.5	6.5	51	12	6	*7.0	*13.0	53	12	12	6.0	11.5	43	7	7			24	2	0	2.0	2.0
08	151	4	2	10.5	15.5	117	12	6	*9.0	*13.0	91	18	14	*13.0	*22.0	79	13	7	*14.5	*19.0	57	4	8	*4.5	*10.0	45	12	10	6.0	9.0	40	4	6	4.5	6.0	24	3	2	2.0	2.5
09	151	4	4	10.5	15.5	117	10	8	*14.0	*19.0	88	22	13	*9.0	*14.5	78	10	8	*6.5	*7.0	55	4	8	*3.0	*6.0	38	12	10	6.0	9.0	34	6	3	6.0	9.5	25	3	3	*2.5	*4.5
10	151	2	2	11.5	16.0	117	6	10	*13.0	*19.0	86	16	13	*7.5	*12.0	80	8	9	*3.0	*5.0	51	6	2	*2.0	*5.0	35	10	8	6.0	10.0						24	3	2	*2.5	*4.0
11	151	4	2	10.5	15.5	117	5	6	11.0	17.0	82	17	9	*9.5	*14.0	78	9	5	*1.5	*2.0	53	7	6	*2.5	*5.5	29	13	4	4.0	6.0	30	4	6	4.0	6.0	24	3	2	3.5	5.0
12	153	3	4	10.5	14.0	119	8	5	10.0	16.0	86	10	6	*9.0	*15.0	78	5	6	*1.5	*2.5	52	7	10	*3.0	*5.0	29	10	6	2.0	3.0	28	4	4	10.5	18.0	24	3	2	*3.0	*4.5
13	153	4	2	10.0	15.5	123	4	4	10.5	16.5	90	8	6	9.0	15.0	80	2	8	*1.5	*2.5	51	8	7	*6.0	*12.5	31	6	8	4.5	8.0	32	4	4	5.0	7.5	26	2	4	*3.5	*5.0
14	155	4	3	10.0	15.0	125	2	6	9.5	15.0	91	7	7	7.0	13.0	78	7	6	*3.5	*4.0	51	7	9	*5.0	*8.5	32	7	5	6.0	9.0	34	5	8	9.0	13.0	26	2	2	*3.0	*5.0
15	157	2	2	10.0	14.0	125	4	4	*10.0	*14.5	95	3	5	8.0	13.5	78	5	5	*4.0	*4.0	53	7	12	*8.0	*11.5	35	7	6	8.0	13.0	38	5	7	4.0	5.0	26	4	2	*8.5	*10.0
16	157	2	4	10.0	14.0	125	4	4	9.0	15.0	94	8	4	10.0	15.0	78	6	4	*6.0	*7.5	55	4	10	*4.0	*6.5	41	11	11	4.5	8.0	42	5	9	3.5	5.5	26	5	2	3.0	4.5
17	155	4	2	11.0	16.0	123	6	4	10.0	16.0	93	7	5	10.0	16.0	80	6	4	6.0	6.0	55	4	12	*3.0	*7.0	49	10	5	5.5	7.5	46	5	6	3.0	4.0	26	4	2	3.0	4.0
18	153	4	4	12.0	17.0	123	6	4	10.0	16.0	104	4	6	8.5	15.0	92	2	6	5.0	8.0	55	6	8	*3.0	*5.5	60	6	11	6.0	9.0	48	4	7	3.0	6.0	24	6	2	2.0	2.5
19	152	5	5	12.5	18.0	127	6	4	10.0	15.5	106	6	4	8.0	13.0	92	4	4	5.0	9.0	61	4	8	5.0	7.0	63	5	9	3.5	5.0	46	8	6	5.5	9.0	24	2	2	1.5	3.0
20	151	4	4	13.5	19.0	129	4	8	9.0	14.5	108	6	6	8.0	13.5	92	6	6	5.5	9.5	61	4	6	4.5	7.0	64	5	10	3.0	5.0	40	8	4	5.5	9.0	22	2	2	2.0	3.0
21	151	6	6	13.0	18.0	129	4	6	9.0	15.0	106	10	2	8.5	14.0	94	4	8	5.0	9.5	61	4	4	4.5	7.0	63	8	6	4.0	7.5	39	7	5	4.5	7.5	22	0	2	2.0	2.5
22	153	6	6	13.0	19.0	129	6	6	9.0	12.5	108	10	4	9.0	16.5	92	6	6	6.5	10.5	59	6	2	5.0	8.0	59	6	8	4.0	7.0	38	6	4	4.0	6.5	22	0	0	1.0	2.0
23	153	6	4	12.0	18.5	131	8	8	10.0	16.0	110	8	8	8.5	13.0	91	7	5	6.5	11.0	61	6	4	5.0	9.0	59	6	8	3.0	5.0	40	8	6	4.0	6.0	22	2	0	*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 Bill, Wyoming Lat. 43.2 N Long. 105.2 W Month December 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	148			*10.0	*14.0	116			8.5	13.5	90			7.0	14.0	73			8.5	14.0	51					50					39					32				
01	150			8.5	12.5	122			*9.0	*15.0	90			8.0	16.0	77			8.0	14.0	51					52					38					31				
02	150			8.0	13.0	122			9.0	14.5	90			8.5	14.0	76			9.0	15.0	53					51					39					32				
03	150			8.5	13.5	122			9.5	14.5	90			*10.0	*17.0	72			8.0	15.0	52					52					43					32				
04	150			9.0	14.0	118			9.5	15.0	86			9.5	14.0	74			7.0	16.5	51					52					41					32				
05	150			8.5	13.0	120			10.0	15.0	84			8.0	12.5	68			5.5	12.0	48					52					43					31				
06	146			5.5	9.0	114			5.0	13.5	81			*8.5	*11.0	58			10.5	20.0	45					48					53					31				
07	146			6.0	12.5	110			9.5	15.5	70			*7.5	*11.5	58			6.0	11.5	44					44					48					33				
08	144			6.5	10.5	106			2.0	8.0	68			*7.0	*10.0	60			3.0	9.0	33					41					49					36				
09	142			9.5	13.5	109			11.5	16.5	70			*3.5	*4.5	56			1.5	3.0	31					34					41					37				
10	140			9.5	13.0	101			12.0	15.0	69			*6.0	*10.0	54			2.0	3.0	29					31					41					37				
11	141			3.5	8.0	104			11.0	14.0	72			*6.5	*11.5	54			5.0	15.5	29					30					43					37				
12	140			2.0	10.0	100			*2.5	*9.0	70			*5.5	*7.0	58			5.5	15.0	29					28					39					35				
13	141			9.5	10.0	104			*10.0	*15.5	70			*3.5	*5.0	68			4.5	11.5	30					28					39					33				
14	138			*2.0	*7.0	100			*11.0	*16.5	70			*2.0	*5.0	62			6.5	11.5	29					30					38					34				
15	136			*2.0	*6.0	100			*3.5	*10.5	68			*2.0	*4.0	52			2.0	4.0	31					34					41					35				
16	136			*2.0	*6.0	102			*10.0	*14.5	75			*6.5	*10.5	56					35					42					42					36				
17	140			3.0	8.0	106			*3.0	*8.5	82			*5.0	*11.0	60			4.0	11.0	43					46					45					33				
18	142			3.5	9.0	113			3.5	12.0	83			*3.5	*12.5	64			6.5	12.0	48					45					45					33				
19	140			4.0	9.0	114			6.5	14.5	84			*7.0	*12.5	72			7.0	10.5	49					46					37					33				
20	142			3.0	8.0	114			3.5	13.5	90			*7.5	*13.0	72			7.0	11.5	49					46					35					33				
21	144			6.0	9.0	120			10.5	17.0	94			9.5	15.5	76			6.5	12.0	49					46					37					31				
22	148			11.0	15.5	118			10.0	16.0	90			7.5	12.0	73			6.5	13.0	51					46					35					33				
23	148			10.0	13.0	120			*10.0	*16.0	92			9.0	14.0	72			9.5	15.0	51					48					37					33				

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

USCOMM-NBS-DL

MONTH-HOUR VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1 N Long. 105.1 W Month December 19 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	5	3	10.5	15.5	124	5	9	10.5	17.0	104	8	12	*10.5	*17.5	83	11	9	*7.5	*15.5	54	7	3	*3.0	*5.0	49	7	5	*5.0	*8.0	38	32	5	3.0	4.5	18	2	4	1.5	2.5
01	154	2	4	9.0	14.0	124	9	7	10.5	16.0	102	13	8	10.0	*16.5	80	10	6	*7.5	*13.0	53	10	4	4.0	5.5	50	6	6	*4.0	*6.0	40	27	7	3.0	*4.5	18	2	4	2.0	3.0
02	154	4	6	10.0	15.5	124	7	5	*8.5	*14.0	102	6	12	*11.0	*17.0	80	10	10	*9.0	*14.0	54	9	5	4.0	5.5	48	6	4	*5.0	*6.5	45	23	11	*2.0	*4.0	18	2	2	2.0	3.5
03	154	4	6	10.0	15.5	124	7	7	9.0	14.5	99	10	11	*12.0	*20.0	81	11	13	8.0	12.0	54	11	5	3.5	5.5	48	8	2	4.5	7.0	48	14	14	3.5	5.5	18	2	2	2.0	3.5
04	154	4	6	12.0	18.0	123	10	8	*10.0	*16.0	100	12	10	*11.0	*19.0	74	14	10	6.5	10.5	53	12	6	4.0	6.5	50	6	6	6.0	8.0	43	21	10	2.0	3.5	18	2	2	2.0	3.5
05	154	4	8	12.5	17.5	123	10	10	11.5	18.0	100	11	25	*12.5	*18.0	70	14	6	*3.5	7.0	53	12	6	4.0	7.0	50	8	4	*5.5	7.5	42	16	8	*4.0	*5.0	18	2	2	2.0	3.5
06	152	4	6	12.5	17.5	119	6	8	*11.0	*17.0	82	11	9	*5.5	*7.0	66	2	4	*2.0	*3.5	51	12	4	*3.0	5.0	46	10	4	*5.0	*8.0	44	16	7	*3.5	*6.0	19	3	3	1.5	3.0
07	153	3	7	13.0	18.5	117	10	10	11.0	17.0	76	10	6	*2.5	*4.5	64	4	2	*2.0	*3.5	49	4	4	2.0	4.0	44	6	2	3.0	4.0	48	7	11	*4.0	*6.0	20	4	2	2.0	3.5
08	150	4	6	*12.0	*18.0	111	12	8	*13.0	*18.0	75	9	5	2.5	4.5	66	2	6	*2.0	*4.5	47	6	4	1.5	4.0	40	6	4	3.0	4.5	47	14	8	3.0	*6.0	22	4	4	*2.5	*4.0
09	146	6	2	*12.0	*17.5	110	6	12	*14.0	*19.5	78	8	8	*6.5	*9.0	65	3	3	*2.0	*4.0	49	4	4	2.5	4.0	38	10	2	2.0	4.0	42	11	6	*5.5	*7.5	22	16	4	3.0	4.5
10	148	4	4	*13.0	*19.0	108	11	12	*16.0	*23.5	75	12	5	*7.0	*9.5	66	2	5	*1.0	*3.0	50	15	5	3.0	4.5	36	12	0	*1.5	*4.0	43	10	7	*3.0	*5.0	22	16	4	*3.5	*4.5
11	148	4	4	*13.0	*19.0	108	10	13	*14.0	*20.5	78	7	6	*5.0	*6.0	64	4	1	*1.0	*3.5	52	11	8	3.5	5.0	38	14	2	2.0	4.0	42	9	6	*5.5	*8.0	22	18	2	3.5	6.0
12	148	4	4	11.5	17.5	107	12	8	*12.5	*19.0	76	10	4	*4.5	*8.0	65	3	2	*1.5	*3.5	53	12	8	2.5	4.0	38	12	2	2.0	3.5	43	10	9	*3.0	*5.0	24	18	4	6.0	4.5
13	147	7	3	11.5	17.0	109	12	10	13.0	17.5	78	6	6	*5.5	*8.0	66	4	4	2.0	3.5	53	10	8	3.0	6.0	43	7	7	2.5	4.5	42	11	7	*11.0	*16.0	24	18	4	8.5	15.5
14	146	6	2	12.0	17.5	105	12	6	*13.5	*20.0	76	8	4	*1.5	*3.5	64	6	4	*1.0	*3.5	53	14	6	2.0	4.5	40	10	4	*2.5	*3.5	44	14	7	*5.5	*8.0	24	18	6	4.0	5.5
15	146	6	4	12.5	18.0	106	11	7	13.5	19.5	77	9	4	*4.0	*6.0	66	2	5	*1.5	*3.5	51	12	6	*6.0	*9.0	38	10	2	*2.0	*4.0	41	17	6	*10.0	*13.5	20	20	2	3.0	4.5
16	144	6	2	13.5	19.5	109	8	8	*13.0	*18.5	82	12	7	4.0	6.0	67	7	5	3.0	5.0	51	12	4	3.0	4.0	44	6	4	4.5	6.5	50	9	7	*6.5	*9.5	20	20	4	2.0	4.0
17	149	3	5	*13.5	*19.0	113	10	4	*10.5	*16.5	92	9	10	*8.5	*12.0	70	10	6	*2.5	*5.5	53	8	4	2.5	4.0	48	4	4	3.0	5.0	46	14	11	*3.0	*5.0	18	2	2	1.5	3.0
18	149	5	3	*14.0	*19.5	119	4	10	10.0	17.5	93	14	12	*9.5	*15.0	72	8	6	4.5	8.5	53	4	6	2.5	4.5	46	6	2	*4.0	*5.5	39	15	6	2.5	4.0	18	2	2	2.0	3.5
19	150	2	6	13.5	20.0	119	8	6	10.5	17.5	94	9	10	*9.0	*13.5	78	6	2	*7.0	*11.0	53	4	4	4.0	6.0	46	6	2	4.0	6.5	37	15	4	2.5	3.5	18	2	2	2.0	3.5
20	150	4	4	13.5	19.0	120	9	7	*10.5	*17.0	96	12	12	*9.0	*17.0	78	8	10	4.0	7.5	53	6	6	3.5	6.0	46	8	4	4.5	5.5	36	9	3	2.5	4.0	18	2	4	2.0	3.5
21	151	5	5	12.0	18.5	119	8	6	11.0	17.5	98	12	11	*10.0	*15.5	78	10	8	6.0	11.0	53	6	4	4.0	6.0	47	9	3	*3.0	*6.0	36	10	3	2.5	4.0	18	2	4	1.5	3.5
22	152	4	6	11.0	16.0	121	8	6	11.0	17.5	98	12	7	*10.0	*17.0	82	4	8	*7.5	*12.0	53	6	2	3.0	6.5	48	4	4	4.0	6.5	35	5	2	2.0	4.0	18	2	4	2.0	3.0
23	152	4	4	9.5	14.5	123	4	6	11.5	18.0	100	14	10	*9.5	*15.5	81	9	7	*5.5	*10.0	55	4	4	4.0	6.0	48	8	4	5.0	7.5	36	28	3	3.0	4.5	18	2	2	2.0	3.5

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1 N Long. 105.1 W Month January 19 62

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	152	3	5	10.0	16.0	119	8	6	11.5	19.0	94	10	11	10.5	16.5	75	13	14	6.0	10.0	53	10	8	5.0	7.0	51	6	6			34	29	4	4.0	6.0	21	2	2	3.0	4.0
01	152	3	4	10.0	16.5	118	9	2	11.5	17.5	94	10	10	10.0	15.5	74	14	10	6.0	9.5	53	12	6	4.5	7.5	53	8	5			34	20	4	3.5	5.5	21	2	2	2.0	3.5
02	152	4	4	11.5	17.0	121	6	4	10.0	16.5	93	12	6	*10.0	*17.5	73	7	10	6.5	11.0	51	12	4	3.0	4.5	53	4	6			38	12	6	5.0	8.0	23	0	4	4.5	8.0
03	152	4	4	12.0	17.0	122	4	5	10.0	15.5	91	10	9	10.0	16.5	71	9	10	6.5	9.5	51	10	4	4.0	7.0	55	4	6	4.0	7.0	36	6	8	3.0	4.5	23	0	4	2.0	3.5
04	152	4	3	12.0	18.0	121	5	5	10.0	17.0	88	12	7	9.0	13.5	67	12	11	6.0	9.0	51	8	4	5.0	7.5	55	3	6	6.0	10.0	34	11	2			23	0	4	1.5	3.0
05	151	4	3	13.0	18.5	118	5	2	12.0	18.0	87	12	8	*6.5	*9.5	63	14	12	4.5	7.0	51	10	6	4.0	5.0	53	4	2			35	12	5	2.5	4.0	23	2	4	3.0	5.0
06	152	3	4	11.5	17.5	119	4	3	10.5	17.0	82	9	6	7.5	11.0	63	7	17	2.5	4.5	51	10	4	4.0	7.0	51	3	5			38	13	4			23	2	2	4.5	5.0
07	151	4	2	12.0	17.0	114	5	2	12.5	18.0	74	4	6	4.5	6.5	61	6	15	1.5	3.5	49	6	2	3.0	6.0	47	5	4	5.5	9.0	38	12	4	6.5	10.0	23	5	2	2.0	3.5
08	148	4	3	12.0	18.0	108	5	4	11.5	17.5	68	5	2	3.0	5.5	63	3	19	1.5	3.5	45	8	4	2.0	4.0	39	10	1	3.0	6.5	38	16	4	4.0	6.5	25	9	4	6.0	9.0
09	144	4	1	12.0	17.5	100	7	3	11.5	16.5	70	8	6	*3.0	*4.5	63	4	20	*3.0	*4.5	45	18	4	2.5	4.0	37	15	2	2.5	5.5	38	16	6	3.0	5.0	25	12	2	2.0	4.0
10	145	1	3	11.5	16.5	99	5	9	10.0	14.0	*69			*2.0	*4.0	63	4	20	*2.0	*4.0	50	13	9	2.0	3.0	39	13	6			34	14	4	5.0	5.0	25	12	4	3.5	5.0
11	144	3	2	11.0	16.0	100	14	10	*12.5	*17.5	70	13	6	*2.0	*4.0	64	3	21	2.0	4.0	53	10	10	1.5	3.0	39	14	4	3.0	6.0	34	18	4	10.0	16.5	25	13	3	2.5	4.0
12	146	3	4	10.5	15.5	100	19	8	12.5	19.5	*72			*2.0	*3.0	63	3	20	*2.5	*4.0	53	9	10	1.5	6.5	39	11	3	2.0	3.0	34	19	4	5.5	9.0	27	9	6	7.5	10.5
13	144	8	2	11.0	16.0	100	21	9	12.0	16.0	74	12	10	*2.5	*4.5	63	2	16	*2.5	*4.5	53	10	10	2.0	3.0	39	11	3	1.5	3.5	38	15	7	10.0	16.0	27	10	6	7.0	10.5
14	144	8	4	13.0	17.0	101	21	11	11.5	15.5	*76			*2.0	*4.0	61	4	6	*1.5	*3.5	53	12	10	9.0	13.0	39	13	4	2.0	4.0	44	15	7	9.0	15.0	29	8	8	5.5	8.5
15	142	6	4	*14.0	*19.0	100	24	10	12.0	18.0	72	10	8	2.0	4.0	63	3	16	3.0	4.5	53	10	12	4.0	6.0	40	9	3	3.0	4.5	44	13	6	7.0	12.0	23	12	3	6.0	9.0
16	142	7	4	13.5	18.0	105	19	10	*12.0	*19.5	*82			9.0	13.0	64	7	9	*3.5	*6.0	47	12	4	2.5	4.0	45	5	5			44	13	6	4.5	7.5	22	2	1	3.5	6.0
17	144	6	4	13.0	19.0	112	12	9	11.5	18.5	90	10	14	8.5	15.5	66	14	13	6.0	11.0	49	8	6	1.0	2.5	51	9	7			42	10	8	6.0	10.0	21	2	2	2.5	4.5
18	146	6	5	13.5	19.0	112	14	6	12.0	18.5	86	18	10	8.0	14.0	71	13	18	6.0	11.0	51	9	8	7.0	10.5	53	6	5			38	13	7	2.0	4.0	21	2	1	2.5	4.5
19	146	6	4	13.5	19.0	114	11	8	11.5	18.0	88	8	11	9.0	15.0	73	16	13	4.0	7.5	51	10	6	5.0	8.0	51	6	6	5.5	7.5	32	14	2	3.5	5.0	21	2	2	3.0	4.5
20	146	6	2	12.5	18.0	116	9	7	12.0	18.5	90	16	10	8.5	13.5	75	19	3	5.0	8.5	51	12	4	5.0	8.0	51	6	6	7.0	13.0	32	10	4	2.5	4.0	21	2	0	3.0	4.5
21	148	4	4	12.5	18.0	120	6	10	12.0	18.0	94	11	13	9.5	16.0	73	14	10	5.0	9.5	52	9	5	5.0	8.0	49	8	4			30	12	2	2.5	4.0	21	2	2	2.5	4.5
22	150	6	4	11.0	17.0	118	6	6	11.0	18.0	92	14	10	8.0	15.5	75	13	12	6.0	10.0	51	8	4	7.0	10.5	50	7	5			32	11	2	3.0	5.0	21	2	0	2.5	4.5
23	150	4	2	10.5	15.5	118	7	6	10.5	18.0	94	14	8	8.0	15.5	75	14	16	6.0	10.0	53	6	6	3.5	6.5	51	4	6	4.5	7.5	32	18	2	4.0	5.5	21	2	2	2.0	4.0

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1N Long. 105.1W Month February 19 62

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
00	154	6	2	11.5	16.5	126	8	8	11.0	17.0	102	14	11	8.0	16.0	80			6.0	10.0	57	10	6	*3.5	*6.5	55	6	6	5.0	10.0	43			2.0	3.5	24			1.5	3.5
01	154	6	4	10.5	15.0	126	8	8	10.5	17.5	103	13	14	8.5	15.5	79			7.5	12.0	57	12	6	*4.0	*6.0	53	8	4	6.5	12.0	43			4.5	5.0	24			3.0	5.0
02	154	6	4	11.5	16.5	126	8	6	10.0	16.0	103	11	15	9.5	15.0	80			8.0	12.0	57	12	8	5.0	8.5	53	8	4	5.5	10.0	41			3.0	5.0	24			1.5	3.0
03	154	6	4	11.0	16.0	125	7	5	10.5	16.0	100	13	10	9.0	16.0	78			6.5	10.0	55	14	6	*5.0	*10.0	53	6	4	5.0	9.0	33					24			3.0	5.0
04	154	4	4	11.5	16.5	124	6	4	11.0	16.0	98	16	14	*9.5	*15.0	75			10.0	15.0	57	10	8	*4.0	*9.0	53	8	2	5.0	10.0	39			4.0	6.0	24			1.5	3.0
05	153	5	3	11.5	16.0	122	8	4	12.0	17.5	90	22	6	*12.0	*17.0	70			8.5	12.5	55	12	6	*7.5	*13.5	51	6	4	6.0	11.0	39			1.5	3.5	26			1.5	5.0
06	152	2	4	12.0	17.0	118	8	2	11.0	16.5	84	15	6	8.5	12.5	63			3.5	5.0	53	9	4	*2.5	*4.0	49	6	4	6.0	10.0	43					26			2.5	5.0
07	152	2	4	11.5	17.0	111	13	1	12.0	17.0	78	12	3	*6.0	*8.0	59			1.0	3.0	49	4	4	*4.0	*6.5	44	6	2	6.0	10.0	41					26			2.5	4.0
08	148	2	4	11.5	16.5	110	12	4	12.0	18.5	78	6	8	*6.5	*9.5	62			3.0	5.0	43	8	2	*2.0	*4.5	39	2	4	2.5	4.5	41					26			2.0	3.5
09	148	2	2	10.5	15.0	102	10	4	*10.0	*15.0	76	12	6	*6.0	*8.5	61			2.5	4.0	45	19	4	*3.5	*8.0	35	14	2	2.5	5.0	39					27			3.0	5.0
10	148	4	4	11.0	15.0	104	10	10	*13.0	*19.0	83	5	11	*4.0	*5.5	61			2.0	3.5	45	20	4	*1.5	*2.5	37	11	4	2.5	5.0	37					28			2.5	4.0
11	148	3	4	10.5	15.5	104	12	10	11.0	15.5	82	9	12	*4.5	*6.0	63			2.0	3.5	45	20	4	*2.5	*4.5	37	10	4	3.5	8.0	36					28			6.5	6.0
12	148	2	2	11.0	16.0	106	13	10	13.0	18.0	86	10	15	*4.5	*6.5	63			3.5	5.0	45	18	4	*4.5	*8.0	37	10	4	2.0	3.5	37					28			4.5	6.5
13	148	4	2	10.5	14.0	104	18	10	12.0	17.5	83	15	12	*8.0	*9.0	62			2.5	4.5	47	16	4	*1.5	*3.0	37	10	2	2.0	4.0	38			8.5	14.5	28				
14	148	5	3	12.0	14.5	102	18	8	*15.0	*20.5	82	12	14	*10.5	*15.0	63			1.0	2.5	52	11	11			42	7	5	2.0	3.5	50			7.0	11.0	35				
15	148	5	4	*13.0	*18.0	112	15	18	*14.0	*20.5	88	12	16	7.5	6.0	63			2.0	4.0	51	12	8			41	7	6	2.5	4.0	51					34			8.5	12.5
16	148	4	4	13.0	18.0	117	7	23	12.0	17.0	86	16	14	7.5	11.0	63			1.5	3.0	47	9	4	*3.0	*5.0	42	3	5	4.0	7.0	45			2.5	5.0	24			2.0	3.5
17	149	3	3	12.0	17.0	118	10	16	12.5	18.0	92	13	17	*10.5	*14.5	67			4.0	5.5	51	6	4	*2.0	*4.5	51	2	6	3.5	6.5	49					24			2.0	3.5
18	152	4	8	13.0	17.5	121	7	11	12.5	19.0	98	12	16	10.0	17.0	75			2.5	6.0	55	8	6	*7.0	*11.5	53	4	6	4.5	8.5	45			3.0	5.0	24			2.0	3.0
19	153	5	7	14.5	20.0	123	5	11	11.0	17.0	104	4	18	10.0	18.0	77			6.5	10.0	57	6	6	*3.0	*6.5	53	4	6	4.5	7.5	34			1.5	3.0	24			2.5	5.0
20	154	4	6	14.0	19.5	125	7	13	10.5	17.5	102	8	17	7.5	14.5	79			5.0	9.0	59	6	10	4.0	7.5	53	6	6	4.0	7.0	33			2.0	4.0	24			3.0	5.0
21	154	6	6	12.0	18.5	124	10	10	10.0	16.5	106	10	18	8.5	14.0	81			6.5	10.5	59	6	8	*3.5	*6.0	53	8	4	5.0	9.0	33			3.0	5.0	24			2.5	4.5
22	154	6	6	12.5	17.0	124	10	6	10.0	16.0	104	11	10	*11.0	*14.5	81			7.0	12.5	57	12	6	6.0	11.0	53	8	6	5.5	10.0	38			3.0	6.5	24			1.5	3.5
23	154	6	4	13.0	18.5	124	10	6	11.0	17.5	102	15	10	*11.0	*16.0	83			9.0	13.5	57	12	6	3.5	6.5	53	10	4	5.0	10.0	36			8.0	10.5	24			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 Byrd Station, Ant. Lat. 80.0 S Long. 120.0 W Month December 19 61

Frequency (Mc)

Hour (LST)	.051					.113					.246					.545				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	108	4	2			81	4	3			70	4	4			56	2	2		
01	108	2	0			81	4	2			70	2	4			56	2	2		
02	108	4	2			83	2	4			70	2	4			56	2	2		
03	108	6	2			*81					*72					58	2	0		
04	110	0	2								*66					58	2	4		
05	108	5	2			81	4	2			70	5	4			56	2	2		
06	108	3	2			81	4	2			68	4	2			56	2	2		
07	108	3	2			81	4	2			68	4	2			56	2	2		
08	108	2	2			81	4	2			68	3	2			56	2	2		
09	108	2	2			81	4	2			70	2	4			56	2	2		
10	108	4	1			83	2	3			70	2	2			56	3	2		
11	108	4	2			81	4	2			68	4	2			56	2	2		
12	108	4	2			82	3	3			68	4	2			56	2	2		
13	108	2	2			83	2	4			70	2	2			58	2	4		
14	108	4	2			81	4	2			68	4	2			56	3	2		
15	108	2	2			*83					*66					60	0	4		
16	108	4	2			*81					*68					58	2	2		
17	108	3	2			83	2	4			70	2	4			56	2	2		
18	108	2	2			81	4	2			70	2	4			56	4	2		
19	110	2	4			81	4	2			68	4	2			56	2	2		
20	108	4	2			83	2	4			68	4	2			56	2	2		
21	108	4	2			83	2	4			70	4	4			56	2	2		
22	108	4	1			81	4	2			68	4	2			56	2	2		
23	108	4	2			81	4	2			68	4	2			56	4	2		

Hour (LST)	2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	29	10	4			29	4	6			24	6	4			18	2	2		
01	29	10	4			27	4	6			29	14	17			18	0	2		
02	31	8	4			29	4	8			28	12	14			18	0	2		
03	29	10	2			29	4	8			26	8	10			18	0	2		
04	32	7	5			27	4	6			22	8	10			18	0	2		
05	29	10	4			24	7	5			22	4	8			18	0	2		
06	29	10	4			23	6	4			20	4	10			18	0	2		
07	29	10	4			21	10	4			18	6	2			18	0	2		
08	29	10	4			21	8	4			18	4	6			18	0	2		
09	29	10	4			21	10	4			18	2	8			18	0	2		
10	29	10	2			21	8	4			16	2	2			18	0	2		
11	33	8	8			21	9	4			18	0	4			18	0	2		
12	31	8	4			23	6	6			16	4	0			18	0	2		
13	31	8	6			21	10	4			18	2	2			18	0	2		
14	32	7	6			21	9	3			18	2	2			18	1	2		
15	31	9	4			24	7	5			20	10	4			18	2	0		
16	31	8	4			23	8	4			20	14	2			18	2	0		
17	31	8	4			23	6	4			20	10	2			18	0	2		
18	31	8	6			25	6	6			22	12	4			18	2	2		
19	31	8	4			26	5	5			24	10	6			18	2	2		
20	31	8	6			26	5	5			22	16	2			18	0	0		
21	31	8	6			27	4	6			24	4	4			18	0	2		
22	31	8	4			27	6	6			24	10	4			18	0	2		
23	29	10	4			27	4	4			24	10	6			18	0	2		

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Byrd Station, Ant. Lat. 80.0 S Long. 120.0 W Month January 19 62

Frequency (Mc)

Hour (LST)	.051 Fam	Du	Dℓ	Vdm	Ldm	.113 Fam	Du	Dℓ	Vdm	Ldm	.246 Fam	Du	Dℓ	Vdm	Ldm	.545 Fam	Du	Dℓ	Vdm	Ldm
00	110	2	2			81	3	1			70	2	4			58	4	2		
01	110	1	2			81	2	2			70	1	3			58	4	2		
02	108	4	0			81	3	0			68	2	1			58	2	2		
03	108	2	0			83	2	4			*70					*62				
04	110	1	2			*83					*68					*60				
05	110	1	2			81	4	2			70	2	2			58	2	0		
06	108	2	0			81	2	0			68	2	2			60	0	4		
07	110	1	2			81	3	2			70	2	4			59	1	3		
08	108	2	0			81	6	0			68	4	2			58	2	3		
09	108	2	0			81	2	0			68	4	2			60	2	5		
10	108	2	0			83	2	4			68	4	2			59	3	3		
11	110	0	2			81	3	1			70	2	4			60	1	5		
12	110	0	4			81	4	2			68	4	2			58	3	3		
13	108	2	0			83	2	4			68	4	2			60	1	4		
14	108	2	0			83	2	4			70	0	4			58	2	3		
15	110	0	2			*85					*70					*60				
16	110	0	2			*81					*68					*58				
17	108	2	1			81	4	2			69	3	2			60	1	4		
18	110	2	2			83	4	2			70	4	4			60	4	4		
19	109	3	1			81	4	2			70	2	3			60	2	4		
20	110	2	2			81	2	2			68	4	2			59	3	5		
21	110	2	2			83	2	4			68	4	2			58	3	2		
22	110	1	2			83	1	4			69	2	3			59	2	3		
23	110	2	2			81	4	1			68	3	2			59	1	3		

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	*48					*34					*20					*17				
01	*48					*33					*21					*17				
02	*48					*34					*20					*17				
03	*48					*33					*18					*16				
04	*48					*33					*18					*17				
05	*48					*33					*18					*16				
06	*47					*33					*18					*17				
07	*47					*31					*16					*17				
08	*47					*31					*16					*16				
09	*48					*33					*16					*17				
10	*48					*33					*16					*17				
11	*48					*31					*16					17	0	2		
12	48	2	2			33	2	4			16	2	4			17	0	2		
13	48	2	2			*33					16	2	4			16	1	1		
14	48	0	8			31	4	4			16	4	2			17	0	2		
15	48	2	6			31	2	4			18	4	2			17	0	2		
16	46	4	2			31	2	2			19	6	3			17	0	2		
17	48	3	4			31	4	4			20	3	2			17	0	2		
18	46	5	5			33	2	4			22	8	3			17	2	2		
19	48	2	5			33	5	5			22	9	5			17	0	2		
20	46	4	2			33	2	4			20	9	6			17	0	2		
21	48	2	4			33	4	4			22	10	2			17	0	2		
22	48	2	4			33	4	6			22	6	4			17	0	2		
23	48	2	4			33	4	4			24	4	2			17	0	2		

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

USCOMM-NBS-BL

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013 Fam	Du	Dℓ	Vdm	Ldm	.051 Fam	Du	Dℓ	Vdm	Ldm	.160 Fam	Du	Dℓ	Vdm	Ldm	.545 Fam	Du	Dℓ	Vdm	Ldm
00	159	4	4	8.5	14.5	134	6	6	7.0	14.0	113	5	11	5.5	12.0	90	8	10	6.5	13.5
01	159	4	4	8.5	15.5	134	6	4	8.0	17.0	109	9	6	6.0	13.5	88	8	8	5.0	12.0
02	159	4	4	8.5	15.0	134	6	5	8.0	16.0	111	6	8	6.5	14.0	88	8	8	6.0	13.0
03	159	4	4	9.0	16.0	134	6	6	8.5	15.0	109	8	7	6.5	13.5	84	10	6	6.0	13.0
04	159	3	4	9.0	15.5	134	6	6	9.0	16.5	107	6	6	*11.0	*19.5	77	8	7	*8.0	*16.0
05	157	4	2	9.5	16.5	126	7	6	9.5	16.5	89	17	7	*10.0	*17.5	50	29	10	*12.5	*17.5
06	155	5	4	10.0	18.0	124	7	8	10.0	17.0	83	25	19	*7.0	*14.0	48	26	9	*6.0	*11.0
07	157	4	6	11.5	19.0	120	8	8	11.0	18.5	79	30	14	*9.0	*19.0	50	24	11	*7.0	*17.5
08	154	9	4	12.0	19.0	122	12	11	11.0	20.0	84	23	19	*10.0	*20.0	48	26	8	*6.5	*18.0
09	157	4	6	12.5	20.0	122	12	12	10.0	19.0	83	17	18	*11.5	*20.5	46	16	8	*2.5	*4.5
10	155	6	6	12.5	20.0	122	13	8	11.0	19.0	87	16	11	*8.0	*12.0	46	16	7	*3.0	*4.5
11	155	7	5	12.0	20.0	126	8	10	*9.0	*17.0	89	13	13	*8.0	*15.0	52	8	8	*3.0	*6.0
12	155	8	4	8.5	16.5	124	14	6	8.0	14.0	91	12	10	7.0	12.5	50	14	4	*4.5	*8.5
13	157	8	6	10.0	17.5	128	12	8	7.0	13.5	95	11	7	*5.0	*10.0	52	17	4	*2.5	*7.0
14	159	8	4	7.5	13.5	128	10	4	*6.0	*11.0	99	8	11	*4.5	*7.5	60	12	11	*4.0	*7.5
15	*161			6.5	12.0	*128			*4.0	*8.5	*98			*4.0	*8.0	54	31	8	*6.5	*11.5
16	162	3	5	5.5	11.0	132	6	6	4.0	7.5	97	18	8	5.0	9.0	50	24	6	*3.0	*7.5
17	162	5	6	5.0	10.0	130	9	6	5.0	10.5	99	12	15	5.5	11.0	53	28	7	5.5	12.0
18	160	5	5	5.5	11.0	130	6	9	5.5	10.5	99	12	10	3.5	7.5	68	12	6	3.5	7.5
19	159	6	6	7.5	14.0	130	8	9	6.5	11.0	111	8	13	5.0	9.0	88	6	14	3.5	8.0
20	161	4	7	8.5	15.0	134	9	9	6.0	12.0	113	8	13	6.5	11.0	90	6	11	3.5	8.5
21	161	4	6	10.5	16.5	136	5	8	6.0	11.5	113	8	12	5.0	12.0	92	6	12	5.0	10.5
22	159	4	4	9.0	15.0	136	5	9	6.5	13.0	111	9	9	6.5	13.5	90	7	9	5.0	11.5
23	159	5	5	9.0	15.0	134	6	6	7.5	16.0	111	8	8	*6.0	*13.0	90	9	8	*7.5	*15.5

Hour (LST)	2.5 Fam	Du	Dℓ	Vdm	Ldm	5 Fam	Du	Dℓ	Vdm	Ldm	10 Fam	Du	Dℓ	Vdm	Ldm	20 Fam	Du	Dℓ	Vdm*	Ldm*
00	65	7	8	7.0	14.5	58	4	7	6.0	10.5	47	2	4	4.0	8.0	24	2	2	2.5	4.0
01	65	6	9	6.5	12.5	58	4	4	6.0	11.0	49	3	5	*5.5	*9.0	22	2	0	2.5	4.0
02	61	10	5	6.5	12.0	60	4	6	7.0	13.0	49	2	7	*4.5	*9.5	22	2	0	2.5	3.5
03	63	6	8	6.5	12.5	58	8	4	5.5	9.0	45	6	6	4.5	8.0	22	0	0	2.5	4.5
04	62	7	8	6.5	13.5	58	7	6	*6.0	*11.0	43	6	5	4.0	7.5	22	2	0	2.5	4.0
05	55	8	4	*7.0	*14.0	56	3	6	*6.0	*10.0	42	8	3	4.0	8.0	22	2	0	2.5	4.0
06	42	10	11	*8.0	*17.0	42	8	8	*9.0	*17.0	39	7	6	4.0	7.0	24	2	2	2.5	4.0
07	31	14	12	*13.5	*21.0	30	14	11	*9.5	*15.5	33	9	2	3.0	5.5	24	1	2	3.5	5.5
08	24	18	5	*9.5	*14.5	30	10	12			31	9	4	*7.0	*11.0	24	0	2	2.5	4.0
09	21	8	2			28	12	12	*6.5	*10.0	29	6	6	*5.0	*8.0	24	0	2	2.5	4.5
10	21	16	2	*5.0	*7.5	26	10	12	*5.0	*8.0	27	8	2	*3.0	*5.0	24	0	2	2.5	4.5
11	21	17	2	*4.5	*8.0	20	12	5	*9.0	*14.0	27	7	3	*3.5	*6.0	24	2	2	2.5	5.0
12	19	20	0	*11.0	*15.0	18	10	2	*5.0	*8.0	27	8	3	*3.0	*5.5	22	6	0	2.5	5.0
13	21	18	2	*9.0	*17.0	20	12	4	*5.0	*9.5	29	8	3	4.0	7.5	24	6	2		
14	21	33	2	*12.5	*21.5	25	17	7	*4.5	*9.0	33	10	5	*3.5	*6.0	26	6	4	2.5	5.0
15	*21			*3.5	*7.5	*34					*34			*3.0	*6.0	28	4	6	3.5	6.5
16	26	23	5	*4.0	*7.5	36	14	9	4.0	8.0	41	8	7	3.5	7.5	30	6	6	3.0	6.0
17	36	8	8	*3.5	*6.5	42	12	8	2.5	7.0	45	8	4	3.5	7.5	28	6	4	3.0	5.5
18	51	8	8	3.5	7.0	52	10	10	3.0	7.5	49	4	4	*5.5	*11.0	28	4	4	3.0	6.0
19	61	8	9	3.5	7.5	60	6	8	3.5	7.5	51	4	2	*4.0	*8.0	26	4	2	3.0	5.0
20	69	6	12	3.5	7.5	62	6	7	3.5	7.5	53	2	6	*3.0	*6.0	24	4	2	3.5	5.0
21	67	6	11	4.5	9.5	60	6	4	*3.5	*8.5	51	2	6	*3.0	*5.5	24	2	2		
22	66	8	9	5.0	10.5	60	6	6	*4.0	*7.5	49	4	5	*3.5	*6.5	22	2	0	2.5	4.0
23	65	9	10	4.5	10.5	58	6	6	5.0	10.0	49	4	6	*3.5	*7.5	22	6	0	4.0	6.0

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

USCOMM-NBS-DC

MONTH-HOUR VALUES OF RADIO NOISE

Station Cook, Australia Lat. 30.6S Long. 130.4E Month January 1962

Frequency (Mc)

Hour (LST)	.013 Fam	Du	Dℓ	Vdm	Ldm	.051 Fam	Du	Dℓ	Vdm	Ldm	.160 Fam	Du	Dℓ	Vdm	Ldm	.545 Fam	Du	Dℓ	Vdm	Ldm
00	160	4	3	10.5	16.0	136	4	2	10.0	18.0	113	3	3	*8.0	*16.0	94	4	8	7.5	16.0
01	160	3	4	10.0	16.0	136	2	4	9.5	17.0	112	5	4	9.0	17.0	92	6	6	9.5	18.0
02	160	5	4	9.5	15.5	136	4	4	*10.0	*18.0	112	6	4	9.0	17.0	92	6	6	9.5	18.5
03	158	6	2	10.0	16.0	138	0	8	10.5	18.5	112	4	0	10.0	18.5	90	4	8	*11.0	*19.0
04	158	4	2	10.0	17.5	134	4	6	11.5	19.5	110	4	8	11.5	19.5	85	7	6	*11.0	*20.0
05	156	4	2	11.0	17.5	126	6	4	12.0	19.5	94	9	12	*12.0	*20.0	52	14	8	*7.5	*13.0
06	154	3	2	11.5	19.0	124	6	6	12.0	19.0	86	12	12	12.0	19.5	46	12	6	*5.0	*8.0
07	154	4	6	14.0	21.0	120	6	6	13.0	21.0	84	12	12	15.5	23.5	44	17	4	*11.5	*15.5
08	154	4	4	14.0	21.5	122	2	8	13.0	22.5	87	9	11	13.0	23.5	44	12	6	*8.5	*12.0
09	154	4	4	14.0	22.0	122	5	6	14.5	23.0	86	12	8	16.0	27.0	44	17	6	*8.0	*11.5
10	156	2	4	15.0	23.0	124	6	6	*12.0	*20.0	88	14	6	*13.0	*20.5	46	10	6	*10.0	*14.0
11	156	4	4	13.0	21.0	128	4	8	*12.0	*20.5	94	12	6	9.0	16.5	48	11	8	*4.0	*6.0
12	158	4	2	10.5	17.5	132	2	8	*9.0	*17.0	99	10	7	*7.0	*13.0	48	26	2	*6.5	*10.0
13	160	2	2	*9.0	*16.5	134	0	6	*7.5	*13.5	99	9	4	6.0	12.0	50	21	4	*4.0	*6.5
14	162	2	4	*9.0	*14.5	134	2	5	*5.5	*10.0	102	12	6	6.0	11.0	54	26	9	*8.0	*16.0
15	162	4	2	*8.0	14.0	134	3	3	*5.0	*9.0	101	15	5	*7.0	*12.5	56	29	11	*7.0	14.5
16	162	4	2	*7.5	*13.0	132	6	2	*6.0	*10.0	101	16	7	*7.0	*12.5	52	33	4	7.5	13.5
17	162	4	3	8.0	14.0	132	5	4	6.5	11.5	100	17	4	7.0	13.0	57	32	7	7.0	12.0
18	160	4	2	8.5	15.0	132	6	4	7.0	13.0	104	15	4	6.0	11.0	72	15	8	5.0	10.0
19	160	2	4	9.5	15.5	134	5	4	*8.0	*13.0	112	8	4	5.5	10.5	88	9	4	4.5	9.0
20	162	4	5	9.0	15.5	138	2	6	7.0	13.0	116	5	3	6.0	12.5	92	8	3	6.0	11.5
21	162	4	4	10.0	16.0	138	3	5	7.5	15.0	116	4	5	6.0	11.5	94	7	2	5.0	9.5
22	162	3	4	*10.5	*17.0	138	2	6	8.5	15.0	115	3	5	6.5	13.5	96	6	6	*6.0	*12.0
23	160	5	3	10.5	16.5	137	3	3	*10.5	*17.5	113	5	3	7.5	15.0	94	4	4	7.0	13.0

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	67	5	5	5.0	10.5	57	2	4	5.5	10.0	47	2	4	4.5	8.0	21	2	0	*3.0	*4.0
01	66	5	6	6.0	11.5	57	2	4	5.0	9.0	45	4	2	5.0	9.0	21	2	0	*2.5	*4.0
02	66	4	6	6.0	12.5	57	2	4	5.0	10.0	43	4	4	6.0	9.5	21	2	0	*4.0	*3.5
03	64	6	6	6.0	13.0	57	2	6	6.0	10.0	41	6	6	5.5	9.0	21	2	0	*4.0	*3.5
04	64	2	4	8.0	15.0	55	4	6	6.0	10.0	39	4	6	4.5	7.5	23	0	2	*4.5	*3.5
05	60	4	8	8.5	14.5	54	3	5	5.0	8.0	39	2	6	5.5	8.5	23	0	2	*2.5	*3.0
06	42	8	6	9.0	16.0	41	4	6	*6.5	*12.5	37	3	2	5.0	8.0	23	0	2	*2.5	3.5
07	32	6	8	8.0	11.5	30	8	10	*8.0	*14.0	35	3	5	4.5	7.0	23	0	2	*2.5	*4.0
08	24	6	4	*3.0	*4.5	27	8	9	*9.0	*12.5	31	6	4	4.0	6.0	21	3	0	*2.5	4.0
09	20	5	0	*3.0	*4.5	21	12	4	*6.5	*8.5	29	6	2	3.5	5.5	21	2	0	*2.5	*4.5
10	22	4	2	*4.5	*6.0	19	10	4	*8.5	*12.5	27	6	0	*3.0	*5.0	21	2	0	*3.5	*5.0
11	20	4	0	*3.0	*5.0	21	8	6	*3.0	*5.5	29	5	3	*4.0	5.5	23	2	2	*3.0	*5.0
12	22	28	2	*4.5	*7.0	20	23	5	*4.0	*6.0	29	8	3	4.0	6.0	23	4	2	*3.0	*5.0
13	22	17	2	*4.5	*5.5	*20			4.0	*5.5	*33			*4.5	*6.0	*24			*5.5	*8.0
14	22	20	2	*3.0	*4.0	23	12	4	5.5	8.5	37	4	6	4.5	7.5	26	3	2	*4.0	*6.5
15	24	27	4	*3.0	*4.5	*29			6.0	8.5	*39			3.5	6.5	*27			3.5	5.5
16	24	29	4	*4.0	*5.0	35	12	5	*4.5	*7.5	42	5	4	4.0	7.0	27	2	4	3.5	5.5
17	36	20	10	*4.0	*7.5	43	8	4	5.0	8.5	45	4	4	4.0	7.0	25	6	2	3.5	5.5
18	52	10	4	4.0	7.5	49	7	1	5.0	9.0	48	1	1	4.0	7.0	23	4	2	3.0	5.0
19	62	8	2	3.5	7.0	58	2	3	4.0	7.5	51	2	4	4.0	6.0	23	2	2	*3.0	*4.0
20	68	7	5	4.0	8.0	59	4	4	4.5	8.5	49	4	3	4.0	7.5	23	4	2	*3.0	*4.5
21	70	3	6	4.5	9.0	61	2	6	4.0	7.5	47	4	2	5.0	8.5	21	2	0	*3.0	*4.0
22	69	5	5	4.5	9.5	58	3	3	4.5	8.0	49	2	5	4.5	8.5	21	2	0	*2.5	*9.0
23	68	4	6	5.0	10.5	58	2	3	5.0	10.0	47	4	4	4.5	8.0	21	2	0	*3.0	*4.0

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

USCOMM-NBS-EL

MONTH-HOUR VALUES OF RADIO NOISE

Station Cook, Australia Lat. 30 6S Long. 130 4E Month February 19 62

Frequency (Mc)

Hour (LST)	.013 Fam	Du	Dℓ	Vdm	Ldm	.051 Fam	Du	Dℓ	Vdm	Ldm	.160 Fam	Du	Dℓ	Vdm	Ldm	.545 Fam	Du	Dℓ	Vdm	Ldm
00	160	6	6	10.0	15.5	136	7	9	10.5	17.5	114	7	12	10.0	17.0	95	6	13	7.5	14.5
01	160	6	5	9.5	14.5	134	8	6	10.0	16.5	113	8	10	9.0	17.0	93	8	12	8.0	16.0
02	158	8	4	8.5	13.5	136	7	9	10.5	17.0	112	8	9	8.5	16.0	91	9	11	8.0	16.0
03	159	8	5	10.0	16.0	134	9	7	10.0	16.0	110	10	10	8.0	15.0	90	7	11	8.5	17.0
04	159	5	4	11.0	17.0	134	6	6	10.5	18.0	110	9	7	9.0	17.5	89	6	10	8.5	16.0
05	158	5	4	11.0	18.0	132	7	7	11.0	18.0	104	12	9	*10.0	*16.0	73	7	9	*11.0	*18.0
06	156	4	2	10.0	17.0	128	4	11	10.0	18.0	84	19	9	12.0	18.0	45	18	6	6.0	9.0
07	155	3	5	10.5	17.5	129	8	10	12.5	19.0	81	17	13	12.0	19.5	43	15	3	4.0	5.5
08	154	5	4	12.0	19.5	127	8	12	14.0	21.0	82	21	14	12.0	19.0	41	24	2	*5.0	*7.0
09	154	6	7	12.5	19.5	127	10	12	14.0	21.5	84	17	16	12.5	21.0	41	23	2	*3.0	*4.5
10	154	4	8	14.5	21.0	123	6	15	14.5	22.0	86	14	18	*13.0	*20.0	43	20	4	*3.5	*4.5
11	154	6	10	*15.0	*21.5	124	7	14	*14.0	*22.0	87	13	21	12.5	17.5	47	17	1	*3.0	*4.5
12	154	5	5	13.0	20.5	128	4	15	9.5	17.5	88	18	15	*7.0	*13.0	49	18	4	*2.5	*4.5
13	156	6	7	11.5	18.0	128	6	14	*7.5	*14.0	92	15	17	*6.0	*11.0	49	22	4	*3.0	*5.0
14	156	5	6	10.0	17.0	128	5	10	*11.5	*19.0	94	7	16	*8.5	*14.0	*47			*3.0	*4.5
15	*157			*12.0	*19.0	*128			*7.5	*12.0	*102			*9.0	*16.5	61	25	22	*10.5	*19.5
16	160	7	8	*10.0	*17.0	130	12	10	8.0	15.0	102	16	24	9.0	16.0	61	28	22	*9.0	*14.5
17	162	6	8	9.5	16.0	132	8	12	7.5	12.5	104	13	25	8.0	15.0	59	26	15	*9.0	*14.0
18	161	5	8	9.0	16.0	132	8	13	8.0	13.5	105	9	9	*6.0	*10.5	79	8	9	5.5	9.5
19	160	4	7	8.5	15.0	134	6	11	7.5	12.5	113	7	13	5.5	10.0	92	8	13	4.5	8.0
20	162	7	10	10.0	17.0	138	5	12	7.5	14.0	115	7	15	6.5	12.0	95	8	13	5.5	10.5
21	163	6	9	11.5	18.0	136	7	10	9.0	15.5	113	9	13	7.0	13.0	95	8	11	6.0	11.5
22	160	8	8	11.0	16.0	138	5	12	9.5	17.0	114	8	13	8.0	13.5	95	9	13	7.0	13.0
23	161	6	7	10.5	16.0	137	6	11	9.5	16.0	114	8	13	8.5	15.0	95	8	12	7.0	14.5

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	64	8	10	5.5	11.0	58	4	10	6.0	11.5	43	4	6	5.0	8.5	22	2	2	2.5	5.0
01	64	7	10	6.0	12.0	58	4	10	5.5	10.0	43	4	6	5.0	8.5	22	2	2	2.5	3.5
02	64	6	10	6.5	11.5	57	3	9	*4.5	*9.0	41	6	15	5.0	8.5	22	0	4	2.5	3.5
03	65	5	11	6.0	11.5	56	4	8	*5.0	*10.0	39	5	8	4.5	7.5	22	0	2	3.0	4.0
04	62	7	10	4.5	9.5	56	4	6	5.0	11.0	37	4	9	4.0	7.5	22	2	4	2.5	3.5
05	62	6	12	7.0	13.5	58	4	6	*5.0	*9.5	39	2	9	3.5	5.0	22	2	2	3.0	5.0
06	52	2	6	*7.5	*12.5	50	4	4	4.5	8.5	43	4	6	*3.5	*7.0	22	2	2	3.0	3.0
07	36	10	12	*8.0	*13.0	37	9	7	*6.5	*11.0	39	2	8	3.5	*5.5	22	0	0	3.0	4.5
08	24	13	6	5.0	8.0	28	13	14	*9.0	*13.5	31	4	4	*4.0	*5.0	22	2	4	3.0	4.0
09	18	12	0	*5.0	*7.0	22	13	10	*9.0	*12.0	27	7	5	*3.5	*5.0	22	2	3	3.0	4.5
10	18	10	0	*4.0	5.5	16	14	4	*4.0	*5.5	25	7	13	*4.0	*5.5	22	1	8	3.0	4.0
11	18	7	0	*3.0	*4.0	18	11	5	*6.0	*7.5	25	6	7	*4.0	*5.5	22	2	6	3.0	4.0
12	18	8	0	*4.0	*6.0	16	13	4	*6.0	*8.0	25	7	7	5.5	7.5	22	2	6	3.0	4.0
13	18	9	0	*3.0	*4.0	17	14	5	*6.5	*10.0	*26			*5.5	*9.0	22	5	7	3.5	5.5
14	18	12	0	*3.5	*4.5	*16			*4.0	*6.5	*27			*5.0	*7.0	*20			4.0	5.0
15	*22			*3.5	*5.5	*24			*6.0	*8.0	*37			*4.0	*7.0	*24			3.5	6.0
16	26	31	8	*5.5	*9.0	40	13	20	5.0	9.0	40	5	7	5.0	8.0	24	7	2	4.0	6.0
17	28	16	18	*7.0	*12.0	46	8	10	5.0	8.5	45	4	8	4.5	8.5	22	8	1	3.5	6.0
18	54	9	11	5.0	9.5	51	7	7	4.5	8.0	45	6	5	5.0	7.5	24	2	4	3.0	5.0
19	62	6	8	4.0	7.0	60	4	8	4.0	7.0	45	6	4	4.0	7.0	22	5	2	3.0	5.0
20	66	7	12	4.0	7.0	62	4	12	4.0	7.5	45	4	4	3.5	7.0	22	2	3	2.5	4.0
21	68	6	14	4.5	8.0	60	7	4	4.5	8.0	45	4	4	4.5	8.0	22	2	2	2.5	4.5
22	66	6	10	4.5	9.0	58	4	6	5.0	9.0	45	2	4	*5.0	*8.0	22	4	2		
23	64	10	10	5.0	11.0	58	8	8	5.0	8.5	43	4	4	4.5	8.5	22	2	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 Enkoping, Sweden Lat. 59.5 N Long. 17.3 E Month December 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	152	4	2	9.5	16.0	115	6	4	9.0	14.5	99	8	8	3.0	5.0	72	12	8	6.5	10.0	55	3	6	5.0	9.0	52	4	6	4.0	7.0	34	6	4	2.0	4.5	18	2	4	1.0	3.0
01	152	5	2	10.5	17.0	117	4	5	9.0	15.0	105	4	8	6.0	10.5	70	6	5	4.5	6.5	55	2	4	3.5	7.0	50	4	4	4.5	7.5	34	4	4	2.0	4.0	18	2	4	1.0	3.0
02	152	4	2	12.0	19.0	117	3	5	9.5	15.5	101	4	6	6.0	11.5	68	7	6	5.0	8.5	55	4	6	7.0	10.0	52	0	6	5.5	9.0	34	6	4	1.0	3.0	18	2	4	1.0	3.0
03	152	4	3	12.0	19.5	117	5	5	8.5	14.5	101	6	6	7.0	14.0	70	5	9	5.0	8.5	55	2	8	5.0	9.0	50	4	8	3.0	6.0	32	6	2	1.5	3.5	20	0	6	1.0	2.5
04	152	4	3	12.0	18.5	117	6	6	10.0	16.5	99	10	4	2.5	6.5	66	14	8	3.5	7.5	53	4	4	5.0	8.0	48	6	4	4.5	8.5	32	4	2	1.5	3.0	20	0	6	0.5	2.5
05	153	3	4	13.5	19.5	115	8	4	12.0	18.5	105	4	8	3.0	6.5	64	16	4	1.5	6.5	53	4	4	4.5	8.0	48	6	6	4.0	7.0	32	4	2	1.5	3.0	20	0	5	1.0	2.5
06	152	4	2	12.5	19.0	115	5	4	14.5	21.0	105	6	4			63	15	5	3.0	6.0	51	6	4	3.0	6.0	46	8	2	4.0	7.0	34	8	2	1.0	3.0	20	0	5	1.0	2.5
07	152	4	2	13.0	19.5	113	4	4	11.0	17.5	101	10	10			62	10	6	2.0	4.5	53	20	5	4.0	6.5	48	4	2	2.5	5.5	38	14	6	3.5	5.0	20	2	5	1.5	3.0
08	150	6	2	14.0	20.5	105	8	4	13.0	19.0	87	3	6	2.0	6.0	66	6	10	1.0	2.5	49	8	10	4.0	7.5	50	6	4	6.0	9.5	44	5	9	1.5	4.0	20	4	4	2.0	4.0
09	148	2	5	14.0	20.5	103	12	9	13.0	20.0	92	5	4	2.5	4.5	66	4	9	2.0	3.5	39	12	6	2.0	4.0	40	8	4	3.5	7.5	44	12	6			22	5	6	1.0	3.0
10	144	6	2	13.0	20.0	97	15	6	14.0	21.0	94	11	4	5.0	9.0	62	8	7			38	6	5	4.0	7.0	34	8	4	2.0	4.5	48	8	11			22	3	4	2.5	4.0
11	144	5	3	13.0	19.5	97	17	6	16.0	23.0	91	3	3	4.0	8.0	64	6	4	3.0	4.0	36	8	6	4.5	6.5	32	7	6	2.5	5.0	44	10	9	4.0	8.0	22	3	5	2.5	4.0
12	144	4	2	11.0	17.0	96			2.0	4.5	95	9	5	4.0	8.0	66	9	6	1.0	2.5	39	7	5	2.0	4.5	32	6	6	4.0	7.0	46	14	6			22	2	4	2.0	4.0
13	146	6	4	11.0	17.5	97	12	10	14.0	20.0	93	6	8	2.0	5.5	68	10	8	4.0	6.0	39	5	5	4.0	6.5	34	7	6	3.0	5.5	50	11	13			22	2	5	2.0	4.0
14	146	4	4	12.0	17.5	101	10	10	15.5	21.0	93	6	7	4.0	7.0	72	10	12	2.0	3.5	37	4	6	3.0	4.0	40	6	6	3.0	5.5	47	9	8			21	3	4	2.0	4.0
15	146	5	4	11.0	17.0	102	11	9	13.0	20.0	91	8	8	4.0	8.0	75	7	15	2.5	4.5	43	12	8	4.0	6.5	44	8	4	3.5	6.0	39	6	3	4.0	7.0	20	2	4	1.0	3.0
16	146	6	4	10.0	15.5	106	9	9	13.5	20.5	93	5	5	3.0	6.5	79	13	18	2.0	4.0	49	13	6			46	5	3	4.5	7.0	40	9	4	2.5	5.0	20	0	4	1.0	2.5
17	148	6	4	9.0	14.5	109	12	6	12.0	20.0	94	5	6	4.0	9.0	82	4	14	4.0	8.0	51	14	7	3.0	7.0	48	6	4	3.5	6.5	40	22	8	3.0	5.5	20	0	4	1.0	2.5
18	150	6	4	10.0	16.0	111	9	4	10.0	16.0	96	12	6	2.0	6.0	83	12	12	2.0	3.0	51	13	7	4.0	6.5	46	8	4	4.5	7.0	36	25	4	1.5	3.5	20	0	3	1.0	3.0
19	150	4	2	10.5	15.5	112	8	3	9.5	15.0	99	4	4	3.5	6.0	88	6	24	1.5	3.0	51	10	4	3.5	6.0	48	6	6	4.0	7.0	33	4	3	1.5	3.5	18	2	3	1.0	3.0
20	151	3	3	9.0	14.0	113	8	4	9.0	16.0	97	6	4	3.5	6.5	80	15	15	2.0	3.5	55	5	6	4.5	8.0	48	4	6	4.0	7.0	32	4	2	1.0	3.0	18	2	3	1.0	3.0
21	152	4	4	10.0	15.5	115	8	5	10.5	16.5	101	4	6	5.0	9.0	82	13	15	1.5	3.5	55	16	6	6.0	10.0	48	6	4	4.0	7.5	32	2	2	2.0	3.5	18	2	3	1.0	2.5
22	152	4	2	9.0	15.0	116	6	7	10.0	16.0	101	4	8	3.5	7.5	78	16	12	3.0	5.5	55	9	2	4.0	8.0	50	4	6	4.5	8.5	32	10	2	2.0	3.5	18	2	4	1.0	3.0
23	152	5	2	8.0	14.5	117	4	6	9.0	14.0	99	10	4	2.5	7.0	73	15	7	6.0	11.0	55	2	4	4.5	8.0	50	4	6	4.0	7.0	32	13	2	2.0	4.0	18	2	4	1.0	3.0

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Enkoping, Sweden Lat. 59.5N Long. 17.3E Month January 19 62

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	152	2	2	10.0	17.0	116	7	5⁻	9.0	14.0	101	8	6	6.0	10.5	69	5	4	*5.0	+9.0	51	6	2	4.0	7.5	50	4	5⁻	*4.0	+7.0	33	5⁻	2	2.0	4.0	18	2	2	1.0	3.0
01	150	3	2	11.0	18.0	116	6	4	9.0	15.0	104	7	5⁻			67	6	4	*4.5	+7.5	52	6	3	5.0	8.0	48	6	2	*4.0	+6.5	33	8	2	2.0	3.5	18	2	2	1.0	3.0
02	150	2	3	11.5	19.0	116	5⁻	4	8.5	15.0	103	8	5⁻	6.5	9.5	67	8	6	5.0	+8.5	51	5⁻	4	9.0	13.5	48	6	5⁻	*3.5⁻	+6.5	33	8	4	2.5	4.5	18	2	2	1.0	3.0
03	150	3	2	12.5	20.0	116	5⁻	4	9.0	15.0	105	8	8			65⁻	10	4	4.0	+8.0	51	6	4	5.0	8.0	46	6	2	*3.5⁻	+7.0	31	7	2	1.5	3.5	18	2	2	1.0	2.5
04	150	2	4	13.0	20.0	114	7	3	10.0	16.5	105	8	12	9.0	14.5	62	8	4	*3.5⁻	+7.0	51	4	4	5.0	8.0	44	10	2	*5.5⁻	+8.0	31	5⁻	2	1.5	3.5	18	2	2	1.0	3.0
05	150	2	4	12.0	19.5	114	7	4	9.5	15.5	107	6	6	6.0	10.5	59	7	4	*5.0	+7.0	51	6	6	3.5⁻	6.0	47	10	3	*3.5⁻	+6.5⁻	31	4	2	2.0	4.0	18	2	2	0.5⁻	2.5⁻
06	150	3	2	12.5	20.0	114	2	6	*10.0	+17.0	109	5⁻	6	2.0	7.0	60	17	3	*3.0	+6.5⁻	51	6	8	6.0	9.0	44	8	2	3.5⁻	6.0	33	8	2	*2.0	+4.0	18	2	2	1.0	2.5⁻
07	150	2	3	13.0	20.5	112	4	4	11.0	18.0	105⁻	6	12	6.0	13.0	65⁻	6	12	4.0	6.0	55⁻	14	8	8.0	16.5⁻	48	8	4	*4.0	+8.0	35⁻	11	2	*9.0	+13.5⁻	20	2	4	2.0	3.5⁻
08	150	2	4	13.0	20.0	104	7	6	*12.5⁻	+17.0	87	6	2	4.5⁻	9.0	63	11	7	*2.0	+3.5⁻	45⁻	10	6	6.0	9.0	48	7	5⁻	*4.0	+7.5⁻	39	11	4	*6.5⁻	+9.0	20	0	4	2.0	4.0
09	144	3	2	12.0	19.0	100	4	2	*9.5⁻	+14.0	91	6	10	3.5⁻	8.5⁻	59	8	6	*6.0	+8.0	37	6	5⁻			42	4	8	*2.0	+4.5⁻	*41					18	2	2	2.0	3.5⁻
10	140	7	3	13.0	19.5	92	16	5⁻	*8.5⁻	+10.5⁻	95⁻	4	12			63	8	6	*2.0	+3.0	35⁻	7	4	6.5⁻	9.5⁻	32	9	5⁻	*3.5⁻	+6.0	39	15⁻	6			20	2	2	2.0	3.5⁻
11	142	4	4	13.5⁻	19.0	98	12	12	*8.5⁻	+11.5⁻	91	4	10	6.0	9.0	61	10	8	*2.5⁻	+4.5⁻	35⁻	6	6	3.0	5.5⁻	*30			*4.5⁻	+7.0	39	6	2			19			*2.0	+4.0
12	142	6	4	12.0	18.5	+92			*5.0	+10.0	93	6	10	5.5⁻	10.0	61	8	10	*1.5⁻	+2.5⁻	+37			4.0	6.0	*28			*4.5⁻	+7.0	41	10	4	*6.5⁻	+9.5⁻	20	4	2	*2.5⁻	+4.5⁻
13	142	5⁻	3	*11.0	+17.0	93	7	6	*3.5⁻	+7.0	89	8	8	4.0	8.0	65⁻	9	12	*3.0	+7.0	36	5⁻	6	2.5⁻	4.0	32	2	6	*4.0	+7.0	*47					20	4	2	2.0	4.0
14	142	6	1	9.0	15.5⁻	94	8	6	*7.0	+9.0	94	7	13	3.5⁻	8.0	69	10	12	*3.0	+6.5⁻	35⁻	6	6	2.0	4.0	36	8	6	*5.0	+7.5⁻	45⁻	6	8	*2.0	+4.0	19	3	2	1.5⁻	3.0
15	144	4	3	8.5	14.5⁻	98	11	8	6.5⁻	11.0	91	11	10	1.0	3.0	69	14	11	*1.0	+3.0	37	10	4	3.5⁻	5.5⁻	44	8	6	*4.0	+6.0	41	6	4	*1.0	+2.5⁻	20	2	2	1.5⁻	3.0
16	142	5⁻	2	9.0	14.0	100	12	6	10.5⁻	14.0	95⁻	6	8	2.5⁻	6.0	73	15⁻	12	*1.0	+3.0	47	6	6	5.0	7.0	48	4	6	*1.0	+3.0	41	15⁻	6	*4.0	+7.0	18	2	2	1.0	2.5⁻
17	144	4	2	9.5⁻	15.5⁻	108	6	10	13.0	18.5⁻	97	9	7	1.0	4.0	75⁻	14	14	*3.0	+5.0	47	6	4	3.0	5.0	48	3	4	*3.0	+6.0	38	19	6	*4.0	+6.0	18	2	2	1.0	3.0
18	146	5⁻	2	8.0	13.5⁻	110	6	7	9.0	14.0	101	7	8	5.5⁻	10.0	75⁻	12	16	*2.5⁻	+5.0	47	8	2	5.0	8.5⁻	48	4	4	1.5⁻	4.0	33	8	2	*3.0	+5.0	18	2	2	1.5⁻	3.0
19	148	4	2	9.0	14.5⁻	112	4	7	8.5⁻	14.0	101	6	6	6.0	10.0	65⁻	25⁻	2	*2.0	+6.0	51	6	6	5.0	9.0	47	5⁻	3	*4.5⁻	+7.0	31	8	2	2.0	3.5⁻	18	2	2	1.5⁻	3.0
20	148	2	2	7.5⁻	13.0	112	5⁻	4	9.0	14.0	99	10	6	4.0	8.0	67	21	5⁻	*3.5⁻	+6.5⁻	53	6	6	5.0	9.0	48	2	4	*3.5⁻	+7.0	31	8	2	2.0	3.5⁻	18	2	2	1.5⁻	3.0
21	150	3	2	8.0	13.0	114	3	4	8.5⁻	15.0	101	8	4	2.5⁻	6.5⁻	67	15⁻	3	6.0	8.0	55⁻	2	8	4.0	8.0	48	4	2	*4.0	+7.0	31	4	2	2.0	4.0	18	2	2	1.0	3.0
22	152	0	4	8.0	13.5⁻	114	5⁻	3	8.5⁻	13.0	101	9	6	5.0	10.5⁻	69	8	2	3.5⁻	7.0	51	6	4	8.0	12.0	48	4	2	*3.5⁻	+6.0	33	5⁻	2	2.0	4.0	18	2	3	1.5⁻	3.0
23	152	2	2	9.0	15.5⁻	115⁻	6	4	7.5⁻	13.0	101	11	8	4.0	8.0	69	4	4	4.5⁻	8.0	51	8	2	6.0	9.0	50	3	5⁻	3.5⁻	6.5⁻	33	6	3	3.0	4.5⁻	18	2	2	1.0	3.0

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

USCOMM-NBS-DL

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Eukoping Sweden Lat. 59.5N Long. 17.3E Month February 1962

Hour (LST)	Frequency (Mc)																															
	.013					.051					.160					.495					2.5					5					10					20				
	Fam	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
00	152	4	0	9.0	14.0	117	6	4	11.0	16.5	103	6	9	4.0	8.0	73	4	6	5.0	7.5	57	4	6	5.0	8.0	52	4	4	4.0	6.0	34	6	4	1.5	3.0	20	2	2	1.0	2.5
01	152	2	2	9.0	14.0	117	6	4	7.5	11.5	105	10	6	5.0	10.0	73	4	6	5.0	8.0	57	4	4	4.5	8.0	52	4	4	3.5	7.0	34	8	4	2.0	3.5	20	2	2	1.0	2.5
02	152	4	2	10.5	16.0	117	4	4	10.0	15.5	107	4	8	5.0	10.0	71	6	4	4.0	6.0	55	4	3	4.0	7.0	50	4	2	3.5	6.0	33	11	3	2.0	3.5	20	2	5	1.0	2.5
03	152	4	2	11.0	17.0	117	4	4	11.0	16.0	105	9	8	5.0	10.5	69	6	6	4.5	7.0	53	9	4	4.0	7.0	52	2	4	5.0	8.0	34	6	4	2.5	4.5	20	2	5	1.0	2.5
04	152	4	2	12.0	18.0	117	4	4	12.0	18.0	107	6	6	5.0	9.0	69	5	8	6.0	9.0	55	2	6	5.0	8.0	52	2	6	3.0	5.5	32	4	2	1.5	3.0	20	0	2	1.0	2.5
05	152	2	2	12.0	18.5	117	5	6	11.5	16.5	107	4	6	4.0	8.5	67	9	10	5.0	7.5	55	32	5	5.0	7.5	50	8	5	4.5	7.0	34	4	2	1.0	3.5	20	0	2	1.0	2.5
06	152	4	2	14.0	20.0	114	6	3	11.0	17.5	107	9	4			63	12	6	2.0	3.5	53	4	4	6.5	9.5	52	3	2	3.0	5.5	38	6	4			20	4	2	1.0	3.0
07	152	2	4	14.0	20.5	109	6	2	14.0	21.0	93	7	4			69	8	10	3.0	5.0	51			5.5	11.0	50	6	2	3.0	7.0	40	9	3			20	8	2	1.0	3.0
08	148	4	2	13.0	18.5	105	5	4	13.5	18.5	97	6	8	4.0	10.0	57	12	2	2.0	4.5	41	5	7	1.5	3.5	47	10	7	6.0	9.0	44	7	5			22	2	5	2.0	4.0
09	146	4	4	9.0	14.5	99			19.0	23.5	97	6	6	1.5	5.0	55	8	2	2.5	5.0	39	10	2	3.0	5.5	40	6	8	4.0	6.5	44					21			2.0	3.5
10	144	6	4	12.5	18.0	95	10	6	13.5	16.5	97	4	8	1.5	6.5	55			3.0	5.5	39	4	4	3.0	6.0	34	6	4	4.0	6.5	42			6.0	10.0	22			3.0	5.0
11	143			11.5	17.5	95			10.5	13.5	95					55	6	4	2.5	5.0	36			3.0	6.0	30			6.5	9.0	44					22	2	3	2.0	4.0
12	146			12.0	18.0	101			17.0	23.0	91	9	5	5.5	10.5	54	14	4	2.0	4.0	37			4.0	6.0	30			4.0	6.5	38	8	4			22	2	3	2.0	3.5
13	146	3	4	11.0	16.5	97	14	6	13.0	19.0	95	2	6	2.0	4.5	55	9	4	3.0	4.5	39	7	5	2.5	4.5	30	13	4	2.5	4.5	50			2.0	5.0	22	2	3	2.5	5.0
14	146	2	2	10.0	15.0	99	12	6	16.0	23.0	95	6	4	1.5	3.0	57	7	4	1.5	3.0	37	6	4	3.5	5.5	28	6	8	11.0	15.0	46	8	4			22	6	4	2.0	4.0
15	146	2	2	9.0	13.5	101	10	5	14.0	20.0	95	7	4	5.5	10.0	59	13	2	1.5	4.0	39	8	6	3.0	5.0	40	10	6	1.5	4.0	46	7	4			20	6	2	2.0	4.0
16	146	4	2	10.0	15.5	105	8	7	15.0	23.0	95	6	4	3.5	8.0	67	14	4	3.0	5.0	41	9	3	6.5	11.5	46	4	4	3.0	5.5	47	12	6	4.0	6.5	20	4	4	1.0	3.0
17	146	4	2	9.0	14.0	107	8	8	17.0	24.0	95	7	6	1.5	3.0	69	16	4	2.0	5.0	45	20	3	5.5	9.0	52	4	4	3.0	6.0	42	12	2	4.0	8.0	19	5	3	1.0	2.5
18	148	2	2	8.0	12.5	111	6	4	11.5	16.5	99	7	3	2.5	5.0	71	11	4	2.0	4.5	53	11	4	3.0	6.0	54	4	4	3.0	6.0	44	18	8	2.5	4.5	18	4	2	1.5	3.0
19	150	2	2	8.0	13.0	113	4	4	12.0	17.5	103	4	6	3.5	8.0	69	20	2	3.0	5.0	53	4	2	6.0	9.0	54	2	6	2.5	6.0	39	7	7	2.5	4.5	18	6	3	1.5	3.5
20	150	2	2	7.5	12.5	113	6	4	11.5	17.0	101	4	6	6.5	10.5	71	20	4	3.0	5.0	57	13	6	4.0	7.0	54	2	6	3.0	6.0	36	6	4	2.5	4.5	18	6	1	1.5	3.5
21	150	4	2	6.5	11.0	115	6	6	10.5	16.0	105	6	4	3.5	7.0	73	10	6	3.5	5.5	56	34	3	3.5	6.0	54	4	6	3.5	6.0	34	6	4	1.5	3.5	18	4	3	1.0	3.0
22	152	2	2	7.0	12.0	115	6	4	10.0	14.5	103	8	6			71	8	4	4.0	7.0	57	4	4	4.5	8.0	54	2	4	6.0	9.5	32	7	2	1.5	3.0	18	4	2	1.5	3.0
23	152	2	2	8.0	12.0	115	6	2	10.5	15.5	101	6	6	1.5	5.0	73	4	4	3.0	6.0	57	6	4	3.5	6.5	54	2	8	3.0	6.0	34	8	4	2.0	4.0	20	2	4	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

USCOMM-NBS-DL

MONTH-HOUR VALUES OF RADIO NOISE

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

Hour (LST)	.135					.500					2.5					5					10					20														
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	104	7	5			82	9	5			58	10	7			52	7	4			37	1	1			22	1	0												
01	105	7	4			82	9	7			59	9	8			53	6	5			37	1	1			22	1	0												
02	104	8	5			81	9	7			58	10	6			53	6	6			37	1	2			22	1	0												
03	104	9	6			80	8	9			58	11	6			53	8	5			38	2	2			22	1	0												
04	103	9	7			75	8	9			56	10	8			54	6	6			40	2	2			23	0	1												
05	103	7	9			71	12	7			56	8	6			53	8	6			41	3	3			23	0	1												
06	99	8	9			69	12	13			54	7	10			52	7	8			40	4	2			23	1	1												
07	93	8	8			56	5	5			49	6	11			49	5	9			41	5	2			23	1	1												
08	87	11	5			53	3	4			34	5	4			35	6	7			42	2	3			25	1	1												
09	88	8	6			54	2	6			32	4	5			30	5	7			40	3	2			26	0	1												
10	87	9	5			54	2	5			31	3	3			29	3	3			39	3	2			26	0	1												
11	87	7	4			56	2	3			31	4	4			28	4	3			39	2	2			26	1	1												
12	85	9	3			55	3	4			34	5	2			27	3	2			44	1	2			30	1	0												
13	87	5	4			55	3	4			34	6	4			27	5	2			44	2	2			30	1	0												
14	87	6	5			55	3	4			35	5	3			28	5	2			45	2	2			30	2	0												
15	87	6	4			55	4	3			35	8	1			32	4	5			46	4	1			31	0	1												
16	90	4	8			59	1	6			38	6	6			42	6	6			42	5	1			24	1	0												
17	91	5	9			58	8	3			48	3	7			48	5	4			44	2	3			24	1	0												
18	95	5	4			69	10	6			52	5	5			51	4	4			43	3	2			24	0	1												
19	96	8	3			74	9	5			54	6	5			52	4	4			41	4	2			23	1	0												
20	101	9	5			77	13	3			58	8	5			53	3	5			37	4	1			23	1	[illegible]												
21	101	9	4			81	8	7			58	7	5			52	4	5			37	2	1			23	0	1												
22	103	10	6			81	9	6			58	10	6			51	4	4			37	1	1			22	1	0												
23	103	10	7			81	7	7			58	11	6			51	4	4			37	1	1			22	1	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

MONTH-HOUR VALUES OF RADIO NOISE

Station Front Royal, Virginia Lat. 38.8 N Long. 78.2 W Month January 19 62

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	104	6	6			80	5	5			56	4	3		
01	104	8	6			80	4	7			55	6	3		
02	102	6	4			79	3	8			54	9	3		
03	102	5	8			77	4	8			54	8	3		
04	98	7	7			71	8	7			55	7	4		
05	96	5	6			67	6	8			53	9	3		
06	94	5	5			61	9	3			53	5	2		
07	91	4	9			55	5	1			50	4	3		
08	86	9	7			53	4	2			35	4	3		
09	86	6	10			54	2	3			33	2	3		
10	85	8	8			53	2	1			31	3	2		
11	85	8	8			54	2	3			32	0	4		
12	87	6	9			53	3	1			35	2	3		
13	87	6	9			53	4	1			36	2	3		
14	87	6	10			53	3	1			36	2	3		
15	85	8	8			54	2	2			36	2	2		
16	87	12	6			57	3	2			39	2	4		
17	91	12	7			60	7	2			48	9	3		
18	93	13	6			68	9	4			54	8	4		
19	96	11	7			72	12	4			55	9	5		
20	100	10	7			77	8	6			56	10	4		
21	104	6	10			79	6	6			58	4	5		
22	102	10	7			80	7	7			56	7	3		
23	104	10	7			81	5	7			56	6	3		

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	53	2	4			38	3	1			25	0	1												
01	53	3	4			38	1	1			25	0	1												
02	52	7	4			38	1	1			25	0	1												
03	51	7	3			38	1	1			25	1	1												
04	52	5	3			38	2	1			25	0	1												
05	52	5	3			38	2	1			25	1	1												
06	50	7	1			38	3	1			26	0	1												
07	50	3	2			39	2	1			26	0	1												
08	41	3	3			41	3	1			26	0	1												
09	37	2	3			40	2	1			26	0	1												
10	34	3	3			39	2	0			26	0	1												
11	32	2	2			39	1	1			26	0	1												
12	29	2	2			42	1	2			30	0	1												
13	30	2	3			42	1	2			30	1	1												
14	31	3	3			43	2	2			30	0	1												
15	33	3	3			44	4	2			30	0	1												
16	44	4	3			41	3	3			26	0	1												
17	52	3	5			42	2	2			25	1	0												
18	54	5	4			41	2	2			25	0	1												
19	54	7	3			39	3	1			24	1	0												
20	53	7	4			38	2	1			24	1	0												
21	53	6	4			38	1	1			24	1	0												
22	52	6	3			39	1	2			24	1	0												
23	53	5	4			39	2	2			24	1	0												

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

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RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Front Royal, Virginia Lat. 38.8N Long. 78.2N Month February 1962

Frequency (Mc)

Hour (LST)	135 F_{am}	135 D_u	135 D_ℓ	135 V_{dm}	135 L_{dm}	500 F_{am}	500 D_u	500 D_ℓ	500 V_{dm}	500 L_{dm}	2.5 F_{am}	2.5 D_u	2.5 D_ℓ	2.5 V_{dm}	2.5 L_{dm}
00	108	8	10			87	12	11			68	8	14		
01	107	11	10			88	11	12			68	8	13		
02	106	11	10			88	10	13			67	11	13		
03	105	11	9			86	10	12			69	8	14		
04	103	10	8			83	11	12			67	9	12		
05	100	13	7			79	14	11			64	10	11		
06	99	9	9			73	13	12			62	10	10		
07	91	13	7			63	7	6			51	7	6		
08	90	10	7			56	7	4			38	8	6		
09	91	11	8			56	6	4			35	4	4		
10	90	14	8			56	5	3			32	5	4		
11	89	13	6			56	5	3			32	4	4		
12	91	9	6			56	4	4			34	2	6		
13	92	9	8			57	2	4			34	3	6		
14	91	9	8			57	3	4			34	4	4		
15	91	12	8			58	2	5			36	5	5		
16	92	11	7			60	3	5			39	8	5		
17	96	8	9			63	11	7			49	8	6		
18	100	11	9			72	14	12			60	11	11		
19	102	13	8			77	16	11			63	12	10		
20	103	11	8			85	10	12			64	12	8		
21	105	10	10			87	8	14			66	11	10		
22	107	7	11			87	9	12			69	8	12		
23	109	6	13			87	10	12			70	6	14		

Hour (LST)	5 F_{am}	5 D_u	5 D_ℓ	5 V_{dm}	5 L_{dm}	10 F_{am}	10 D_u	10 D_ℓ	10 V_{dm}	10 L_{dm}	20 F_{am}	20 D_u	20 D_ℓ	20 V_{dm}	20 L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	61	7	9			39	3	1			23	1	1												
01	60	9	7			39	2	2			23	1	1												
02	60	9	7			39	2	2			23	1	0												
03	61	7	8			39	2	2			24	0	1												
04	61	7	7			37	4	2			24	0	1												
05	59	7	6			37	2	2			24	1	1												
06	59	4	8			37	2	2			24	0	1												
07	55	6	6			41	4	5			24	0	1												
08	42	9	4			44	4	3			27	0	1												
09	39	7	3			43	3	4			27	1	1												
10	36	5	5			41	5	2			27	1	1												
11	33	5	4			40	5	2			27	1	1												
12	30	6	3			43	4	2			30	1	1												
13	30	6	4			44	2	3			30	2	1												
14	31	7	4			45	4	3			30	2	1												
15	34	9	4			47	5	3			30	2	1												
16	44	7	5			41	5	3			25	2	2												
17	52	7	4			42	5	2			24	3	1												
18	58	7	7			42	5	4			23	3	1												
19	60	8	8			40	5	4			23	1	1												
20	61	8	8			41	8	3			23	1	1												
21	61	7	8			39	8	2			23	0	1												
22	61	6	6			39	3	2			23	0	1												
23	62	6	9			39	2	2			23	0	1												

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	155	2	4	11.0	18.5	131	4	6	10.0	17.5	108	7	7	10.0	18.0	91	9	15	10.5	18.5
01	155	2	7	11.0	17.5	133	3	8	10.5	17.0	108	7	7	10.5	21.0	90	10	11	10.5	20.0
02	153	4	4	10.5	17.0	131	5	5	12.5	20.5	108	8	4	11.5	19.5	89	11	8	11.0	21.5
03	153	4	4	11.0	18.0	133	4	7	12.0	20.5	108	8	5	11.0	19.0	90	9	9	13.0	24.0
04	155	2	5	12.0	18.5	133	3	4	12.0	20.5	110	6	7	11.0	19.5	89	11	7	10.0	20.5
05	155	2	4	12.0	19.0	133	2	4	11.5	20.5	108	8	8	11.0	20.0	89	12	12	*11.0	*20.5
06	155	2	4	11.0	18.5	132	4	5	11.5	20.0	106	8	4	10.0	19.0	85	12	10	*12.0	*21.0
07	153	2	2	11.5	19.0	127	3	5	11.5	19.5	92	9	6	12.5	20.5	62	11	4	4.5	7.0
08	151	2	2	11.5	19.0	119	5	5	12.5	20.0	80	10	9	9.5	17.5	56	13	5	*2.5	*4.5
09	149	4	3	11.5	18.5	113	5	8	13.5	20.5	78	14	8	10.5	18.5	55	11	5	10.0	15.5
10	151	2	7	12.0	19.0	109	9	10	14.5	23.0	83	11	9	12.5	22.0	55	12	6	5.5	9.5
11	151	4	7	13.0	20.0	111	11	16	17.0	24.0	82	16	10	*12.5	*20.0	55	10	8	*8.0	*13.0
12	151	3	7	13.5	20.5	113	4	14	*15.0	*24.5	80	14	8	12.0	18.0	55	17	6	4.0	6.5
13	151	4	8	14.0	22.5	115	6	20	16.5	24.5	84	8	12	13.0	23.0	53	12	4	*12.0	*17.0
14	151	4	6	15.5	23.5	111	6	16	16.0	23.0	79	5	7	12.5	21.5	53	10	6	*4.0	*6.0
15	149	6	4	14.5	23.0	109	8	12	14.0	21.5	80	13	8	8.0	16.0	55	8	6	6.5	10.0
16	149	4	6	15.5	23.5	107	8	10	14.0	19.5	76	14	6	*8.5	*16.0	55	9	5	*2.0	*4.0
17	149	3	5	14.5	22.5	107	8	10	12.5	18.5	80	12	8	*10.5	*18.5	61	10	10	*6.5	*11.0
18	149	3	7	13.5	20.5	111	10	10	*14.5	*22.5	94	12	15	*14.0	*24.0	76	13	17	*4.0	*7.0
19	151	3	7	12.0	19.0	119	7	11	11.0	21.5	102	8	18	*14.0	*24.0	81	11	19	*9.0	*18.0
20	153	2	7	10.5	17.0	122	6	12	15.0	[illegible]	104	8	14	*11.0	*21.5	85	10	18	*12.0	*21.5
21	153	4	4	10.0	17.0	125	5	9	12.5	19.0	106	8	14	*12.5	*23.0	89	8	17	*12.0	*20.5
22	153	3	4	9.0	15.0	128	3	7	12.0	21.0	107	7	11	*9.0	*17.0	89	10	12	12.0	21.0
23	153	5	4	10.0	16.0	130	3	5	11.0	17.5	110	5	8	12.5	19.5	91	7	11	*12.0	*22.0

Hour (LST)	2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	62	8	9	6.0	10.0	56	6	5	4.0	8.0	42	6	8	3.5	7.0	23	0	2	1.5	3.0
01	62	6	10	6.5	11.0	58	7	4	5.5	10.5	38	8	6	3.0	6.0	23	0	2	1.5	3.0
02	62	7	9	6.0	11.5	58	10	6	5.0	9.0	38	10	4	3.0	5.5	23	2	2	1.5	3.0
03	62	9	9	7.5	13.0	56	8	8	5.5	9.5	38	8	6	3.5	5.5	23	1	2	1.5	3.0
04	62	8	9	8.0	13.0	50	5	7	6.0	11.0	36	10	6	3.0	5.5	23	2	0	1.0	2.5
05	60	10	10	7.0	12.0	50	4	6	5.5	10.0	32	8	2	2.5	4.0	23	2	0	1.0	2.5
06	60	8	10	7.5	13.0	50	5	6	7.0	11.5	30	7	0	1.5	3.0	23	2	0	1.0	2.5
07	58	10	8	7.5	12.5	54	3	8	6.0	11.0	36	2	4	4.5	7.0	23	2	0	1.5	3.0
08	46	5	6	5.0	9.0	44	7	8	8.0	13.0	36	4	8	6.0	9.0	23	2	2	*1.5	*3.0
09	40	6	6	4.5	6.5	30	6	6	8.0	11.5	30	7	6	*7.0	*12.0	23	2	2	*1.5	*3.5
10	36	8	5	3.0	5.0	26	7	4			26	6	4	*4.0	*6.5	21	2	0		
11	34	7	4	3.5	5.5	23	5	3	*7.0	*15.0	22	4	3			21	2	2		
12	33	5	4	3.0	5.0	22	7	4	*8.5	*12.5	22	4	4	*5.0	*7.0	21	2	2		
13	34	8	4	3.0	5.0	22	6	2	*10.0	*15.0	24	6	6	*4.0	*6.5	21	2	0		
14	34	6	4	3.0	4.5	24	4	4	*8.5	*13.5	24	4	8	*6.5	*10.0	23	2	2		
15	34	6	4	2.5	4.5	24	9	6	*9.0	*14.5	25	7	4	*5.5	*9.0	23	2	2		
16	34	8	2	3.0	5.0	28	8	8	*7.0	*11.0	32	4	6	*4.5	*7.5	25	2	3	3.0	4.5
17	40	9	6	6.0	9.0	37	9	5	*8.0	*12.5	36	4	4	*6.0	*9.0	23	4	0	2.0	4.0
18	48	12	7	7.0	11.0	42	8	8	*6.0	*10.0	36	6	4	5.5	9.0	23	2	0	1.5	3.0
19	56	9	10	7.5	12.5	46	8	8	7.0	12.0	36	4	4	4.0	6.0	23	2	0	1.0	2.5
20	58	10	11	8.0	13.5	46	8	6	7.5	11.0	38	8	6	2.5	4.5	23	1	0	1.5	3.0
21	60	7	9	7.5	13.5	48	6	6	7.0	11.0	41	7	7	3.0	5.0	23	1	2	1.5	3.0
22	60	8	10	7.0	12.0	50	5	7	6.0	10.0	40	8	4	*3.0	5.0	23	2	2	2.0	3.5
23	62	7	10	6.0	10.5	50	4	5	4.0	7.0	43	7	5	3.5	6.0	23	2	2	1.5	3.0

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

USCOMM-NBS-BL

MONTH-HOUR VALUES OF RADIO NOISE

Station Kekaha (Kauai), T. H. Lat. 22.0 N Long. 159.7 W Month January 19 62

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}
00	153	9	4	11.0	18.0	129	15	3	11.5	18.5	110	15	8	11.0	17.0	94	11	13	14.0	24.5	64	10	9	6.5	12.0	56	4	4	5.0	8.0	34	10	4	3.0	5.0	21	2	0	2.0	4.0
01	153	9	2	10.5	17.5	130	13	3	13.0	20.0	110	16	7	12.0	19.0	91	13	9	12.5	22.0	63	13	9	6.5	12.5	56	7	4	5.0	9.0	36	14	4	2.5	5.0	21	3	0	2.0	3.5
02	153	7	2	13.0	20.0	131	10	4	13.5	21.0	110	14	7	12.5	20.0	93	16	11	10.0	17.0	63	11	6	7.5	13.0	60	16	6	6.5	11.0	34	12	4	2.5	5.0	23	0	2	1.0	3.0
03	155	6	4	10.5	17.0	131	14	2	12.0	19.5	110	14	7	12.0	19.5	93	15	12	11.0	21.0	65	10	10	8.0	14.0	54	9	7	6.0	11.0	35	13	3	2.5	4.5	23	2	2	1.0	2.5
04	155	6	4	12.0	19.0	131	10	4	13.0	21.0	108	17	8	9.0	18.5	90	20	10	10.0	19.5	64	12	8	8.5	14.0	51	7	4	6.0	11.0	33	11	3	3.0	5.0	23	0	0	1.0	2.5
05	155	4	4	12.0	18.5	131	10	4	13.0	21.5	108	13	8	12.5	23.0	91	14	11	11.0	22.0	62	11	5	9.0	15.0	48	9	4	7.0	11.0	32	4	4	3.0	5.0	23	0	0	1.0	2.5
06	155	5	4	11.0	18.0	131	6	4	14.0	21.0	104	15	6	13.0	22.5	83	19	9	14.5	24.0	61	11	6	8.5	14.5	48	6	6	5.0	8.5	30	5	0	1.0	3.0	23	2	0	1.5	3.5
07	155	6	5	9.5	16.0	125	11	3	14.0	21.5	94	23	8	12.5	21.0	65	31	9	8.0	16.0	60	14	6	8.5	13.5	52	9	7	5.5	9.5	34	4	2	5.0	7.5	23	2	0	2.0	4.0
08	151	6	4	12.0	19.0	121	13	8	12.5	22.5	87	29	11	10.0	18.5	61	39	8	10.0	19.0	45	18	6	7.0	10.5	46	10	10	6.5	13.0	34	10	4	5.5	8.5	23	2	0	1.5	3.0
09	149	8	6	13.0	20.0	119	18	16	14.5	22.0	92	26	20	11.5	21.5	63	34	14	7.0	9.5	41	20	6	5.5	12.5	36	18	10	7.0	11.0	32	13	6	5.0	9.0	23	6	2	2.0	4.0
10	150	7	5	14.5	21.0	114	23	19	15.5	24.0	94	27	22	15.5	28.0	69	28	18	5.5	8.5	37	26	6	4.5	7.0	34	22	14	7.0	12.0	30	15	9	4.0	6.5	23	2	2	3.5	5.5
11	150	9	5	14.0	21.0	111	24	12	15.5	23.0	86	30	14	14.0	26.0	68	32	17	12.0	19.0	37	18	8	5.0	8.0	30	22	10	8.0	14.5	26	12	6	6.5	9.5	21	2	0	4.0	6.5
12	151	8	4	14.0	21.0	121	16	20	14.0	22.0	100	18	28	16.0	28.0	73	24	24	14.0	25.0	36	25	7	5.0	8.0	35	15	17	7.0	14.0	28	11	8	9.5	14.5	21	2	0	3.0	5.5
13	151	6	6	17.0	26.0	115	19	12	15.0	24.0	94	21	24	8.5	15.0	65	33	18	14.5	25.0	34	23	5	8.0	12.0	34	18	16	12.0	16.5	29	13	11	6.0	11.0	23	4	2	3.0	5.0
14	151	6	6	16.5	25.0	121	14	21	16.0	24.0	96	20	26	13.5	23.5	67	31	18	11.5	20.0	35	24	6	7.0	11.5	30	19	10	11.0	16.5	28	18	8	7.0	11.5	23	2	2	2.5	4.0
15	150	11	6	15.0	23.0	117	18	17	12.5	19.0	86	30	14	9.0	17.0	67	32	20	6.0	14.0	35	28	8	2.0	4.5	28	24	10	9.0	15.0	32	12	6	6.0	10.5	23	2	2	2.0	3.5
16	149	10	4	16.0	24.0	109	26	10	12.0	19.5	84	32	12	8.0	15.0	63	37	14	15.0	20.5	35	30	8	3.0	5.5	32	26	10	7.5	12.5	38	9	7	6.5	11.0	23	2	2	2.5	5.0
17	149	8	4	12.0	19.5	117	20	20	13.5	22.5	90	30	20	11.5	22.5	69	34	18	9.0	17.0	49	21	18	8.5	14.0	46	16	12	6.5	10.0	38	10	6	8.0	12.5	23	1	2	2.0	3.5
18	147	12	2	13.0	20.0	121	20	20	15.0	21.0	99	25	23	13.0	23.0	79	28	20	12.0	19.0	57	15	17	10.0	16.0	50	15	8	6.0	13.0	38	8	6	5.0	7.5	23	1	2	2.0	3.5
19	149	14	4	13.0	19.0	124	19	17	15.5	22.5	103	23	21	10.0	16.0	87	20	22	11.0	18.0	62	14	15	9.5	16.0	50	10	6	7.0	14.0	35	9	5	4.0	6.0	21	2	0	2.0	3.5
20	151	12	4	10.5	17.5	125	20	16	15.0	23.0	104	22	16	11.0	19.0	90	13	19	7.0	11.0	63	14	14	8.0	15.0	50	8	8	8.0	12.0	38	2	6	3.0	5.0	21	4	0	1.5	3.0
21	152	9	3	12.5	19.5	127	12	12	14.0	21.0	106	16	16	14.0	21.5	92	13	19	9.0	16.0	63	12	16	8.5	15.5	50	14	6	7.0	14.0	40	6	6	2.5	5.0	21	4	0	1.5	3.5
22	153	8	4	11.0	17.5	127	19	8	11.5	18.0	110	16	18	11.5	18.0	93	14	16	10.0	16.5	63	12	8	8.5	14.0	50	10	4	8.0	12.5	38	10	4	2.0	5.0	21	2	0	0.5	2.0
23	153	10	4	11.0	18.5	129	14	6	13.5	20.5	112	12	14	13.5	20.5	93	13	12	14.0	25.0	63	12	7	8.5	14.5	48	11	3	4.5	8.0	38	6	4	3.0	5.5	21	3	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

MONTH-HOUR VALUES OF RADIO NOISE

Station Kekaha(Kauai), T.H. Lat. 22.0 N Long. 159.7 W Month February 19 62

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	3	4	11.5	18.5	129	10	4	11.0	18.5	106	17	4	12.5	20.0	87	19	9	*11.5	*19.0	61	10	8	5.0	9.0	59	4	6	5.5	10.0	36	10	6	*2.5	5.0	23	0	2	1.5	3.5
01	154	8	3	11.0	18.5	129	11	2	11.0	20.0	106	17	2	*12.5	*18.5	87	18	8	11.0	19.5	62	9	7	5.0	8.0	60	5	5	7.0	12.0	36	10	6	2.0	4.5	23	0	2	1.0	3.0
02	154	8	3	11.5	18.0	129	14	2	12.0	20.0	108	17	5	12.0	20.0	87	20	8	12.0	20.0	62	11	9	6.0	11.0	61	8	10	7.0	12.0	36	6	6	3.5	5.5	23	2	2	*1.0	*2.5
03	153	9	2	12.0	19.0	130	13	2	12.0	21.0	110	12	8	10.5	18.0	89	17	11	*11.0	*18.0	62	11	7	5.5	9.5	55	6	8	5.5	8.5	36	10	6	*2.5	*4.0	23	2	2	*1.0	*3.0
04	154	10	3	11.0	18.5	129	15	2	12.0	19.5	108	18	6	10.0	18.5	83	22	5	10.5	18.0	61	14	8	5.0	8.5	51	6	4	6.5	11.5	32	11	2	*2.0	*4.5	23	2	0	*1.5	*3.0
05	155	10	2	11.0	18.5	131	11	2	13.0	21.0	106	16	5	11.0	19.5	83	22	8	11.0	21.5	61	12	8	6.0	9.0	49	8	2	5.5	9.5	32	4	2	*2.0	*4.0	23	2	0	*1.5	*3.5
06	155	6	2	11.5	18.5	130	11	3	13.0	21.5	103	18	5	11.0	19.0	80	19	10	11.0	20.0	61	12	8	5.5	9.5	49	10	6	5.0	8.0	32	4	2	*2.0	*4.0	23	2	0	1.5	3.5
07	155	5	3	12.0	19.5	123	16	2	13.0	20.5	92	29	8	11.0	21.0	61	43	6	9.0	14.0	54	14	10	4.0	7.5	53	6	6	4.0	7.0	38	4	6	*3.0	*6.0	25	2	2	*2.0	*4.0
08	150	8	3	12.0	19.0	119	19	5	12.5	20.5	85	35	12	13.0	22.5	55	49	6	*11.5	*15.5	43	30	4	6.5	10.0	45	16	8	5.0	12.0	38	4	6	*4.0	*7.0	23	4	0	*1.0	*3.0
09	149	11	4	13.0	19.0	115	25	15	15.5	24.0	85	35	14	*14.5	*23.0	56	47	8	*10.0	*14.0	37	36	6	8.0	10.5	29	24	8	5.5	8.5	34	10	8	*3.0	*5.5	23	4	0	*3.0	*5.0
10	149	7	4	13.0	19.5	113	22	20	16.5	24.5	88	26	16	14.0	21.5	57	40	6	*9.0	*16.5	31	38	4	3.0	5.0	25	22	4	13.0	23.0	28	12	6	*5.0	*7.0	23	0	2	*1.5	*3.0
11	147	9	2	13.0	20.5	115	16	18	17.5	26.0	88	21	15	*14.0	*24.5	57	24	8	*12.0	*18.5	29	22	2	4.0	6.0	23	16	4	6.0	8.0	24	16	6	*3.0	*6.5	21	0	2		
12	149	5	4	14.0	21.0	113	19	15	17.0	26.0	85	26	12	*13.0	*23.5	57	29	11	*8.0	*15.5	29	21	2	3.0	5.0	21	19	2	7.0	11.5	22	13	4	*3.5	*6.0	21	2	1	*2.0	*4.0
13	149	6	6	15.5	23.5	117	13	16	16.0	25.0	78	30	6	*14.0	*23.0	59	30	10	10.5	17.5	31	9	4	3.0	5.0	21	17	4	6.5	13.5	22	7	6	*2.0	*4.5	23	1	2	*2.5	*4.5
14	149	5	4	16.0	24.5	114	11	14	16.0	23.5	85	22	12	11.5	23.5	59	28	11	*11.5	*18.5	31	17	4	2.5	4.5	23	18	4	3.5	7.0	26	10	4	*5.0	*7.0	23	3	2	*2.0	*4.0
15	149	6	5	18.0	25.5	113	18	15	17.0	26.0	88	25	14	*14.0	*23.0	61	28	14	*11.0	*18.0	29	19	2	7.5	12.0	23	23	5			32	8	10	*5.0	*8.5	23	2	2	*1.5	*3.5
16	147	8	2	16.0	24.5	112	17	15	16.0	23.5	84	25	12	*14.0	*23.0	55	34	8	*7.5	*13.0	29	14	2	3.5	6.0	27	21	6			36	9	9	*4.5	*7.0	23	2	2	*2.0	*4.0
17	147	10	3	15.0	23.0	110	16	16	*18.0	*24.0	82	18	6	12.5	22.5	60	25	9	*12.5	*18.0	33	20	4	4.5	7.0	37	8	8	6.5	11.0	42	8	9	*2.5	*5.0	23	2	2	*2.0	*4.0
18	148	7	3	15.0	22.5	117	14	18	16.5	24.5	96	18	16	13.0	23.5	71	24	12	*13.0	*18.5	45	12	10	9.0	13.5	47	8	10	6.5	10.5	39	7	3	3.5	6.5	21	4	0	*2.0	*4.0
19	149	8	4	13.0	20.0	121	12	14	15.5	25.5	97	16	12	11.0	20.5	79	16	12	12.0	20.5	55	12	12	8.0	15.5	47	12	4	6.0	12.0	41	13	3	*2.5	*5.0	21	2	0	*1.5	*3.5
20	151	6	4	12.5	19.5	124	9	15	*13.0	*24.0	102	12	18	12.0	22.5	83	14	14	*12.0	*20.0	56	13	11	10.0	18.0	48	11	7	7.0	12.0	40	14	2	2.0	4.5	21	2	0	*2.0	*4.0
21	151	8	2	11.0	18.5	125	12	10	13.5	22.0	102	18	12	12.5	22.0	85	16	12	*14.0	*23.0	57	16	10	6.0	12.5	51	10	10	7.0	12.0	44	8	4	*3.0	*5.0	21	2	0	*1.5	*3.0
22	153	4	2	11.0	19.0	126	9	6	13.0	21.0	105	13	8	11.5	20.0	87	14	12	*11.0	*21.0	57	14	6	8.5	16.5	51	8	6	6.0	11.0	45	7	5	3.0	6.0	22	1	1	1.5	3.0
23	153	6	2	11.0	19.0	129	8	6	13.0	20.0	107	13	9	*12.0	*19.0	86	15	9	*10.5	*22.5	57	12	6	5.0	11.0	51	8	2	6.0	12.0	43	5	3	3.5	6.0	23	0	2	1.0	3.0

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

MONTH-HOUR VALUES OF RADIO NOISE

Station New Delhi, India Lat. 28.8N Long. 77.3E Month July 1961

Frequency (Mc)

Hour (LST)	.013					.051					.160					.545					2.5					5					10					20				
	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm
00	158	6	5	*8.0	*12.0	143	8	9	*8.0	*13.5	123	12	8	8.5	13.0	103	12	11	7.5	12.5	76	12	8			64	10	8			52	9	6			33	12	4		
01	158	7	4	*8.0	*13.5	145	6	7	8.0	14.0	127	8	14	*8.5	*12.0	104	11	13	8.0	11.5	74	8	10			63	11	11			52	4	8			31	8	3		
02	158	6	4	*9.0	*12.5	145	6	10	*9.0	*13.0	127	10	13	10.0	13.5	102	12	7	*9.5	*14.0	75	11	9			63	11	11			52	6	9			32	7	5		
03	158	6	4	11.0	15.0	141	8	4	*11.0	*14.5	125	10	7	10.0	13.5	102	12	10	*8.0	*13.0	76	10	10			62	10	12			50	7	5			31	6	2		
04	158	6	4	10.0	13.5	143	7	6	*9.5	*14.0	123	10	14			98	15	9	*10.0	*14.0	74	10	8			60	12	6			46	7	4			31	4	2		
05	158	6	5	*9.5	*13.5	141	8	9	*10.5	*14.5	123	10	24	*13.0	*18.0	94	16	19	*10.5	*15.5	70	10	6			60	10	6			46	8	2			31	8	2		
06	156	6	6	10.0	14.5	137	10	12	*10.5	*14.5	115	14	26	*14.0	*19.0	90	20	21	*9.5	*14.5	62	12	10			54	12	12			46	2	4			31	8	2		
07	154	6	4	*11.0	*14.5	135	11	13	11.0	15.5	116	13	18	*10.0	*16.0	86	20	14	*7.5	*10.0	56	16	12			48	18	16			44	6	8			31	7	2		
08	154	4	4	11.5	15.5	133	10	6	*12.5	*17.5	117	9	12	*13.5	*18.5	87	16	9	*10.5	*15.5	50	15	9			48	10	15			*41					33	2	6		
09	154	5	6	*11.0	*15.0	133	6	11	*10.0	*15.5	115	8	8	*9.5	*16.0	87	10	14	11.0	*16.5	48	10	5			43	8	9			*38					*31				
10	154	4	4	*10.0	*14.4	133	6	8	*12.0	*17.0	114	13	15	*11.5	*15.5	86	16	14	*8.5	*14.0	46	11	6			40	10	12			42	6	6			33	4	3		
11	156	2	4	*10.0	*14.0	137	4	6	*9.5	*13.5	120	10	12	*11.0	*16.0	96	8	19	*9.0	*14.0	50	13	7			45	13	13			49	6	11			35	2	6		
12	158	3	4	10.5	14.0	140	6	8	*10.0	*14.5	123	10	13	9.5	13.5	94	16	10	*9.5	*13.5	51	18	8			42	19	8			*42					33	4	4		
13	160	4	4	8.5	12.5	141	7	7	8.0	11.5	123	8	10	*7.0	*10.0	98	15	13	*8.0	*12.5	58	20	14			44	18	10			42	13	5			37	8	6		
14	162	4	4	8.0	11.0	143	9	6	*7.0	*10.0	125	10	10	*8.0	*12.5	100	16	10	*7.0	*11.0	61	21	15			46	26	8			44	10	5			37	10	4		
15	163	3	5	7.5	11.0	145	6	6	8.0	11.5	127	10	8	7.0	10.5	96	18	8	*7.0	*10.0	62	17	12			51	19	11			47	11	5			39	12	6		
16	162	6	4	7.5	10.5	145	6	6	7.0	12.0	127	10	18	*7.5	*10.0	97	21	9	*7.0	*10.5	62	20	14			56	17	13			50	13	12			39	10	4		
17	162	4	6	*8.5	*12.5	143	9	5	*7.0	*10.0	123	12	8	*7.5	*10.5	94	16	10	*7.5	*10.5	58	26	6			58	14	8			52	7	4			39	4	4		
18	160	6	4	7.5	10.5	143	10	6	*7.5	*9.5	123	14	8	*8.0	*11.5	94	17	8	*7.0	*9.5	64	19	8			64	8	12			53	6	3			37	6	2		
19	158	6	3	7.0	9.5	141	11	4	*7.5	*10.0	125	6	11	*4.5	*8.5	98	12	8	7.5	10.5	71	11	9			66	6	6			54	6	3			37	4	4		
20	158	7	4	9.5	12.5	142	10	5	8.0	11.0	123	7	10	*9.0	*13.0	100	6	8	6.5	10.0	77	6	7			68	6	8			54	7	4			35	5	4		
21	158	4	4	8.5	11.5	145	7	8	7.5	11.0	123	10	7	*8.5	*12.5	100	9	6	*6.5	*10.5	76	8	6			64	8	6			54	6	4			33	7	2		
22	158	4	4	9.0	12.0	141	7	4	*9.0	*12.5	122	14	7	*8.0	*13.5	102	9	7	*9.0	*12.5	74	12	6			66	6	10			54	10	7			33	10	4		
23	158	4	4	9.5	12.0	143	5	8	8.5	12.5	123	11	7	*4.5	*15.0	102	8	11	9.5	13.5	74	8	6			64	8	8			52	8	4			31	22	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

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station New Delhi, India Lat. 28 8N Long. 77 3E Month August 19 61

Hour (LST)	Frequency (Mc)																																			
	.013					.051					.160					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	158	6	4			138	6	8			119	10	8			101	10	10			70	6	6			58	5	8			46	6	3			28	4	2		
01	158	8	4			138	4	6			119	8	8			101	6	10			72	6	8			58	6	10			46	6	4			28	4	4		
02	158	4	4			138	6	8			119	10	8			99	8	10			72	6	8			58	10	8			46	3	2			28	2	4		
03	156	4	2			136	6	6			117	10	16			97	10	8			70	6	8			58	8	7			44	4	2			26	8	2		
04	156	6	2			136	8	6			117	12	12			95	14	10			68	10	10			56	8	6			42	5	4			26	4	2		
05	155	5	3			132	10	6			113	8	14			85	18	10			68	12	12			55	13	5			44	4	4			26	4	2		
06	154	4	2			128	12	8			105	14	12			79	23	8			56	12	10			52	8	10			42	3	3			26	4	2		
07	152	6	2			124	16	10			103	19	18			77	16	8			48	22	6			46	17	9			40	12	2			26	4	0		
08	152	6	2			124	18	8			*101					*81					48	25	9			40	20	6			40	10	4			*26				
09	152	6	2			124	6	8			*101					*80					46	13	8			*38					*36					28	4	2		
10	154	4	6			126	10	10			103	13	14			*83					46	10	8			38	6	6			*39					28	4	2		
11	154	4	3			128	15	3			106	24	12			85	28	9			48	4	10			*40					*44					*29				
12	156	8	2			132	14	6			115	13	8			91	15	16			50	16	8			44	7	11			44	8	8			30	3	3		
13	158	6	4			136	10	6			116	11	7			93	16	16			52	26	10			46	15	12			40	12	4			30	6	4		
14	160	5	2			137	12	6			119	14	8			97	12	18			52	26	8			46	22	11			42	11	4			32	6	4		
15	160	6	2			138	8	6			121	12	12			95	14	14			58	18	16			48	18	8			46	6	7			32	11	2		
16	162	3	4			140	3	7			121	6	11			99	5	20			59	19	11			52	8	5			48	5	4			32	2	2		
17	160	2	2			134	6	5			119	4	10			93	12	10			58	11	10			56	6	6			50	6	4			32	15	2		
18	158	6	2			135	7	3			117	8	6			93	12	10			62	10	6			60	2	4			52	4	4			32	8	2		
19	158	4	4			136	4	4			117	9	3			96	9	9			70	8	4			62	6	2			52	7	6			32	10	2		
20	158	6	4			136	7	4			119	8	6			99	10	6			72	6	4			62	4	4			52	4	3			32	2	2		
21	158	4	2			135	5	5			119	5	4			101	7	8			72	6	4			60	6	3			52	6	6			30	2	4		
22	158	6	2			134	8	2			119	10	8			101	6	10			72	6	6			60	4	5			52	6	6			30	2	4		
23	158	4	2			136	6	6			118	9	7			101	6	10			72	4	8			60	4	5			50	6	2			28	5	2		

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

MONTH-HOUR VALUES OF RADIO NOISE

Station New Delhi, India Lat. 28.8N Long. 77.3E Month September 1961

Frequency (Mc)

Hour (LST)	.013					.051					.160					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	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	2	2			136	6	2			118	6	4			100	4	8			70	5	5-			61					44	7	3			28	3	2		
01	159	4	2			136	5-	2			120	6	4			98	10	4			71	3	5-			62					45-	0	6			28	2	2		
02	159	4	2			138	6	4			118	10	4			98	10	6			72	7	3			61					43	4	6			28	4	2		
03	159	6	2			138	6	6			119	9	5-			98	10	5-			72	8	4			60					43	8	5-			28	6	2		
04	159	5-	3			140	6	7			120	3	8			97	7	10			71	9	4			61					40	7	6			28	4	2		
05	157	5-	4			138	4	7			116	8	10			88	14	12			70	7	5-			59					41	9	2			29	3	3		
06	157	4	2			131	8	9			111	10	21			80	22	12			60	11	8			53					45-	0	6			28	5-	0		
07	157	4	4			130	10	14			110	12	19			78	21	11			52	17	8			43					41	6	4			28	2	2		
08	155-	6	3			126	15-	12			102	10	16			73	13	7			48	16	6			35-					*37					*28				
09	*154					122	8	6			97	18	9			74	12	8			*44					39					*35-					*28				
10	153	4	2			126	9	9			101	19	11			76	20	10			48	14	8			35-					*41					*28				
11	155	4	2			128	12	4			108	12	8			82	10	12			*46					29					*37					*31				
12	157	6	4			132	17	5-			114	15	10			91	19	19			*46					37					*43					*30				
13	159	6	4			137	8	8			118	9	9			93	19	14			*51					39					41	8	6			*32				
14	161	6	2			138	12	4			120	8	9			96	15-	16			*52					40					*44					*32				
15	161	5	3			140	8	9			121	4	11			96	10	10			*52					41					*45-					*34				
16	163	3	5-			138	9	5-			120	9	10			93	14	12			56	22	8			48					49	4	9			34	2	2		
17	163	2	4			138	10	6			118	8	6			92	6	14			62	14	12			44					*49					34	2	4		
18	161	2	4			138	5-	4			118	6	5-			96	6	8			66	5-	10			62					50	5-	1			32	4	0		
19	159	4	3			138	7	5-			120	4	6			98	8	8			72	4	11			65-					49	6	3			32	4	3		
20	159	4	4			136	7	5-			120	4	6			98	6	6			70	8	4			65-					48	6	5-			30	3	2		
21	159	4	4			135-	8	6			116	10	6			98	8	6			68	10	4			67					45-	6	4			28	3	1		
22	159	5-	4			136	8	4			116	8	4			98	5-	8			70	6	8			67					45-	6	4			28	4	2		
23	159	2	4			136	6	4			118	6	4			98	6	6			70	5	6			63					43	5-	2			28	3	2		

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

USCOMM-NBS-DC

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

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

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.545																								
	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	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	156	2	2			134	4	6			114	4	2			89	10	4																					
01	156	2	4			132	4	3			114	4	4			89	6	4																					
02	156	2	4			131	6	4			114	6	4			87	8	4																					
03	156	2	2			132	7	4			114	6	10			87	10	8																					
04	154	4	0			131	8	4			112	8	8			87	8	8																					
05	155	3	3			128	11	2			107	13	11			75	16	6																					
06	154	2	0			124	11	5			90	26	6			71	18	6																					
07	152	2	2			120	11	4			96	18	11			73	20	7																					
08	152	5	5			*120					*96					71	18	6																					
09	150	3	3			120	8	10			96	20	10			71	19	6																					
10	150	6	2			118	16	7			94	23	9			70	22	5																					
11	152	3	4			120	10	4			96	26	9			71	27	5																					
12	154	5	5			124	14	8			104	20	14			71	26	6																					
13	154	6	4			126	12	6			110	18	18			75	32	8																					
14	155	7	3			126	22	6			114	19	26			81	32	14																					
15	156	8	3			126	18	8			111	21	25			83	22	16																					
16	156	4	3			126	17	9			114	16	20			82	22	11																					
17	156	6	6			128	17	6			112	19	10			89	16	9																					
18	154	7	2			130	18	6			114	21	6			89	26	2																					
19	156	6	4			130	6	6			114	12	5			91	19	4																					
20	154	9	1			130	4	6			114	15	5			91	17	8																					
21	156	5	2			132	5	6			114	11	4			93	8	6																					
22	156	3	2			132	4	2			114	10	4			91	10	6																					
23	156	2	2			134	2	6			114	6	2			89	10	4																					

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

Hour (LST)	Frequency (Mc)																																	
	.013					.051					.160					.545																			
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	153	4	2			*132	4	6			111	4	6			90	6	8																	
01	155-	2	4			*132					111	6	6			88	8	10																	
02	153-	2	4			*132					112	7	6			89	9	9																	
03	*153					*133					113	8	10			*88																			
04	*155-					*132					109	11	10			84	18	10																	
05	155-	4	4			*130					107	13	6			*82																			
06	*153					124	20	8			*95-					*70																			
07	*152					*118					*84					*70																			
08	*149					*112					*83					*68																			
09	*150					*116					*87					*68																			
10	*147					*116					*89					*68																			
11	*150					*116					*87					*69																			
12	*150					116	14	2			89	28	8			69	25	5-																	
13	149	6	4			118	16	6			*89					68	28	2																	
14	*149					*118					*87					*70																			
15	151	6	2			*116					*83					73	15	9																	
16	151	4	2			*116					*91					*72																			
17	151	4	2			118	25	8			101	26	8			80	21	7																	
18	153	5	3			125-	16	5-			107	17	8			80	22	4																	
19	153	5-	2			128	13	4			107	16	5-			86	14	4																	
20	155-	2	2			131	8	6			112	7	8			90	8	8																	
21	155-	2	2			131	6	3			111	9	6			92	7	8																	
22	153-	3	3			130	7	4			111	7	6			90	8	8																	
23	153	6	0			132	4	4			111	6	4			86	10	2																	

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Ohira, Japan Lat. 35.6 N Long. 140.5 E Month December 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	148	7	5	11.5	17.5	124	10	2	10.0	17.0	111	10	4	14.0	22.0	92				
01	148	7	5	14.0	20.5	*125					111	9	2	12.0	21.0	92				
02	145	10	2	10.0	16.5	124	8	2	10.5	19.0	110	10	6	12.0	21.5	92				
03	149	6	6			124	13	2	11.0	18.0	109	11	8	13.0	22.0	90				
04	147	10	4	17.0	24.0	126	6	2	12.0	20.5	109	10	11	15.5	25.0	89				
05	*151			14.0	21.0	125	10	3	11.5	19.0	103	13	8	19.0	28.0	86				
06	*144			10.5	17.0	120	8	6	11.5	19.0	96	18	13	14.5	24.0	72				
07	*143					120	4	10	11.5	19.0	85	23	15	16.0	27.0	68				
08	145	6	4	12.0	18.5	112	14	6	9.5	15.5	87	16	17	12.0	23.0	65				
09	*143			14.0	20.5	111	11	11	15.0	24.0	*93			15.0	26.0	72				
10	*143			13.5	19.0	*111					*91					74				
11	143	12	0	17.0	25.0	*112					85	19	12	20.0	28.0	64				
12	147	4	4	16.0	23.5	115	10	8	16.0	25.0	89	16	16	13.0	25.0	72				
13	149	4	6	14.0	21.0	116	9	6	12.0	19.5	86	14	12	12.0	24.0	68				
14	149	4	6	13.5	20.5	114	9	5	14.0	21.0	85	21	14	14.0	23.0	64				
15	149	2	6	10.0	16.0	114	7	10	14.0	18.5	89	14	14	16.5	27.5	75				
16	149	2	6	11.0	18.0	114	9	6	18.5	27.5	95	14	15	18.0	28.0	80				
17	*148			11.0	18.0	122	2	6	15.5	23.5	101	9	14	16.5	27.0	84				
18	149	6	6	11.0	18.0	123	1	5	14.0	22.0	102	9	11			86				
19	*149			9.0	14.0	124	2	4	11.0	14.5	103	8	10	10.0	16.0	88				
20	147	8	4	14.0	20.0	124	2	2	14.0	22.0	109	7	10	9.5	15.5	90				
21	*147			10.0	17.0	126	5	4	12.5	20.0	109	7	11	9.5	16.0	92				
22	*147			8.5	14.0	124	6	0	9.0	15.0	111	8	8	11.5	19.0	90				
23	*150			11.0	16.5	124	6	2	9.5	17.5	111	5	6	11.0	20.0	92				

Hour (LST)	2.5 Fam	Du	Dℓ	Vdm*	Ldm*	5 Fam	Du	Dℓ	Vdm*	Ldm*	10 Fam	Du	Dℓ	Vdm*	Ldm*	20 Fam	Du	Dℓ	Vdm*	Ldm*
00	61	10	7			56	5	4			35	19	5	2.5	5.0	24	0	0	1.0	2.5
01	62	10	10	5.5	9.0	58	6	6	5.0	9.0	35	28	6			24	0	0	1.0	2.0
02	61	12	10	7.5	12.0	56	8	2			39	12	8	3.0	4.0	24	0	0	1.0	2.0
03	59	12	6			56	7	7	3.5	6.0	41	25	8	1.5	4.0	24	0	0	0.5	2.0
04	63	8	13			55	9	5			34	15	10	1.5	3.0	24	0	0	0.5	1.5
05	65	6	15			70	4	13	6.5	11.0	29	10	2	2.0	3.5	24	1	0	1.0	2.0
06	59	9	13	8.0	13.0	65	7	5	7.0	12.5	37	16	4	2.0	3.0	24	2	0	0.5	1.5
07	50	16	11	8.0	11.0	58	8	14			47	15	2			26	1	2	0.5	2.0
08	43	12	8	9.5	13.0	48	11	9	5.5	7.5	43	26	12	6.0	11.0	26	2	2	2.0	3.0
09	43	6	7	7.5	12.0	44	10	9	4.0	7.0	*39			4.5	6.5	*26			1.5	3.0
10	*39			6.0	8.0	*38					37	14	8	2.0	6.0	26	4	2	1.0	2.0
11	39	6	6	5.0	7.0	38	10	4	6.0	9.0	38	13	9			26	3	2	1.0	2.0
12	41	10	10	6.0	9.0	39	11	8	7.5	10.5	40	15	10			26	2	2	2.0	3.0
13	39	10	5	8.5	11.0	40	13	6	4.5	7.0	45	10	14			26	2	0	1.5	3.0
14	43	12	6	4.0	6.0	42	10	8			53	7	16			26	2	0	1.0	2.5
15	45	3	10	10.5	14.0	46	12	7	4.0	7.0	59	6	19	2.5	4.5	26	3	0	1.0	2.0
16	47	10	6			52	9	8			63	6	26			26	2	2	1.0	2.0
17	55	11	10	6.5	10.5	54	6	8			62	7	22			24	2	0	0.5	1.5
18	57	8	9	6.0	10.0	54	6	6			59	10	19	4.0	6.5	24	0	0	1.0	2.0
19	59	6	8			65	7	6			62	7	26	0.5	2.5	24	0	0	0.5	2.0
20	60	8	8			66	6	6			55	16	18	2.5	5.0	24	0	0	0.5	2.0
21	61	8	9	8.5	13.0	70	5	9			49	18	14	3.0	6.0	24	1	0	1.0	2.5
22	63	4	8	10.5	15.0	58	17	6			41	23	9	2.5	6.0	24	2	0	1.0	2.0
23	62	7	9	12.0	19.0	54	6	3	5.0	8.0	36	24	7	3.5	4.0	24	0	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-BL

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Ohira, Japan Lat. 35.6 N Long. 140.5 E Month January 1962

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_{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	145	10	2	10.5	16.5	124	9	2	12.0	21.0	109	9	7	10.5	17.0	90	8	8	15.0	24.0	61	6	7	11.0	15.5	53	6	1	8.0	11.0	38	19	8	3.5	5.5	24	1	0	1.5	2.5
01	149	3	6	12.5	18.5	124	6	2	13.5	21.5	106	12	6	10.0	17.5	90	8	8	4.5	11.5	61	8	8			55	4	4	4.0	7.0	37	9	7	4.5	6.5	24	0	0	1.0	2.5
02	147	6	6	11.5	18.0	124	9	2			108	8	12	11.0	19.0	89	7	7	6.0	10.0	61	6	8	8.0	13.0	53	9	3	4.0	7.0	36	15	5	3.0	4.0	24	0	0	1.0	2.0
03	148	2	6	10.5	15.0	124	4	4	10.5	16.5	105	13	9	12.0	22.0	88	8	10	14.0	19.0	63	6	12	11.0	16.0	54	7	6	5.5	10.5	33	8	5	2.5	4.0	24	0	0	1.0	2.0
04	147	7	6	12.0	19.0	124	4	4	13.5	18.0	100	10	6	11.5	19.5	88	6	10	17.5	25.0	59	11	8	8.0	12.0	50	8	5	9.5	13.0	30	5	1	1.5	3.0	24	1	0	1.0	2.5
05	143	4	1	13.0	20.0	122	6	5	16.5	25.0	96	10	6	12.0	23.0	86	12	18	1.5	3.0	57	12	6	6.5	11.0	61	9	7			31	5	2	2.0	3.5	24	2	0	1.0	2.0
06	145			13.0	20.0	118	6	6			88	12	5	16.0	26.0	84	10	24	6.0	14.0	57	15	10	14.0	18.0	61	6	6	9.0	13.0	32	6	2	1.5	3.0	24	2	0	0.5	2.0
07	143	1	2	11.5	17.0	110	14	6	9.0	15.0	84	22	13	9.0	22.0	65	25	9	6.0	18.0	49	8	5	3.5	6.0	51	3	6			37	10	5	4.0	6.0	26	0	2	2.0	3.5
08	143	5	1	14.0	21.0	104	16	4	11.0	16.5	78	18	10	14.0	21.0	62	26	4	11.5	24.0	44	8	5	3.0	5.5	47	8	5	7.0	10.0	36	7	5	2.0	5.0	26	0	2	1.5	2.5
09	143	6	2	12.0	18.0	100	14	5	10.5	17.0	71					60					45	6	6	14.0	17.5	41	12	4	12.5	17.0	34	10	3	2.5	4.5	24			1.0	2.5
10	143			15.0	22.5	104			12.0	20.0	74	35	6	14.5	22.5	64	20	6	10.5	23.0	43			12.0	16.0	37	14	4	11.5	17.0	35	11	5			25	3	1	4.0	5.0
11	145	4	2	18.0	26.0	107	18	5	11.5	19.0	72	29	4	2.5	4.5	62	24	5	14.0	21.0	47	5	10	13.0	15.5	37	13	1	11.0	14.5	37	11	7	3.0	5.0	26	2	2	2.0	3.5
12	145	4	2	9.5	16.0	108	12	6	12.5	19.0	72	22	6	10.5	16.0	62	20	6	5.0	7.5	39	9	4	16.0	20.0	34	12	3	12.5	15.0	36	10	8	6.5	9.0	24	2	0	1.0	3.0
13	144	6	2	9.0	15.0	108	14	6	9.0	17.0	74	26	6	2.5	5.0	64	20	6	7.0	11.5	42	11	7	14.5	19.0	40	7	3	8.5	11.0	41	15	9	5.0	7.5	26	0	2	2.0	3.0
14	145	4	2	11.5	18.5	107	15	5	8.5	14.5	74	28	6	11.0	16.0	62	24	4			43	8	6	12.0	16.0	39	11	2	4.5	9.0	37	21	3	5.0	8.0	26	2	2	2.5	4.0
15	145	4	2	7.0	13.0	108	12	6	15.5	22.0	76	20	4	4.0	6.5	64	16	6	14.0	20.0	43	8	8	6.0	9.5	41	13	4	6.0	9.0	50	14	14	3.0	5.5	26	0	2	2.5	3.5
16	146	3	3	8.5	14.5	112	10	12	15.0	20.5	90	14	14	9.5	16.0	76	15	16	12.5	20.5	48	12	5	8.0	13.5	51	7	8	7.5	13.0	56	12	17	4.0	6.0	26	0	2	2.0	4.0
17	147	2	4	9.5	16.0	117	8	10	12.0	22.0	96	14	13	15.0	25.0	80	14	8	12.0	21.0	53	12	9	6.5	12.0	53	8	6	9.0	12.0	47	24	7	2.0	3.5	24	2	0	1.5	2.5
18	147	8	4	9.5	16.5	120	6	6	12.5	19.0	101	9	9	12.0	22.0	85	10	8	4.0	5.0	57	10	9	7.0	11.5	53	9	4	7.0	10.5	47	20	9	3.5	6.5	24	0	0	1.5	3.0
19	149	4	6	8.5	14.5	122	9	4	9.5	17.0	101	10	9	13.0	19.0	88	10	8	6.0	10.0	59	10	5	4.0	5.5	65	6	8	4.0	7.0	49	19	12	3.0	6.0	24	1	0	1.5	3.0
20	149	6	6	10.5	17.0	124	6	2	9.5	15.0	104	10	4	6.0	11.0	90	10	8	7.0	10.0	59	10	5	8.5	12.5	64	8	6	6.0	13.0	41	19	10	2.0	5.0	24	1	2	1.5	2.5
21	145	8	2	10.0	16.5	124	10	2	10.0	18.0	106	10	6	8.5	16.0	90	6	8	5.0	8.0	61	9	5	10.5	14.5	67	9	6	6.0	10.0	39	19	9	3.0	5.0	24	0	2	1.5	3.0
22	146	8	3	12.0	19.0	124	8	4	9.5	19.0	107	5	7	8.0	15.0	88	8	6	6.0	10.0	61	9	7			55	15	5	4.5	8.5	37	19	7	3.0	6.0	24	0	2	2.0	3.0
23	145	8	2	9.5	16.0	124	6	2	11.0	18.5	108	9	7	7.5	15.0	92	8	10	5.0	8.0	59	11	3	12.0	17.0	53	4	4	6.5	10.0	34	26	5	3.0	6.0	24	0	0	1.5	3.0

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Ohira, Japan Lat. 35.6 N Long. 140.5 E Month February 1962

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	*149			7.0	12.5	124	3	7	9.0	16.0	105	8	6	7.5	13.5	86	10	4	4.5	8.0	59	9	6	5.0	9.0	57	4	6	7.0	11.0	33	8	3	3.5	6.0	24	2	0	*1.0	*2.5
01	149	4	4	8.0	12.0	124	4	4	10.0	16.0	105	8	6	8.5	17.0	85	9	5	7.0	11.5	59	10	6	5.5	10.0	57	7	4	7.5	11.5	35	11	6	5.0	8.0	24	2	0	*2.0	*3.5
02	151	0	8	7.0	13.0	124	2	4	8.0	13.5	103	6	7	8.0	15.5	86	6	6	7.5	13.0	59	11	5	6.0	10.0	55	5	2	7.0	10.0	33	9	4	3.0	5.0	24	2	0	*1.5	*3.0
03	*149			7.5	12.0	124	4	2	10.0	16.0	103	6	8	6.0	11.0	86	6	8	3.0	5.0	61	10	8	6.5	9.0	55	6	4	8.0	12.0	33	7	3	3.5	5.0	26	0	2	1.5	3.0
04	149	2	6	7.0	12.0	124	1	4	10.0	16.5	98	9	3	5.0	8.0	82	10	8	4.0	7.0	59	10	5	12.5	17.0	53	6	4	10.0	13.0	31	8	2	3.0	5.0	26	0	2	1.5	3.0
05	*148			8.0	14.0	122	3	6	11.5	17.5	95	8	3	9.0	16.0	80	10	10	2.5	3.5	59	10	8	8.0	11.5	70	8	11	7.5	12.0	31	6	2	3.5	5.0	26	0	2	1.5	3.0
06	147	5	4	7.0	11.5	114	6	3	9.5	15.5	85	8	4	8.5	13.0	72	19	12	3.0	4.0	55	11	4			67	6	6	10.0	15.0	35	8	4	4.0	7.0	26	0	2	*1.5	*3.0
07	143	6	2	9.0	15.0	110	4	4	9.0	14.5	76	14	3	5.5	8.0	62	20	4			43	10	2	9.0	12.5	49	9	4	6.5	10.0	36	8	3	2.5	4.5	26	4	2	*2.5	*4.5
08	143	5	3	8.0	13.0	104	7	4	6.5	11.0	75	18	4	4.0	6.0	60	10	4	2.5	4.5	43	8	4	15.0	19.0	43	8	6	8.5	11.0	34	7	3	9.0	12.0	26	4	2	*2.5	*4.0
09	*143			10.0	15.5	100	16	2			*77			2.0	3.5	62	6	4			43	9	4	8.0	10.0	39	8	4	9.0	10.5	*31			3.5	6.0	26	2	2	*2.0	*3.5
10	*143			13.0	20.5	104	16	6	12.0	18.0	75	17	5	4.5	7.0	62	8	4			39	7	6	11.5	13.5	37	8	4	9.0	12.0	35	6	9	6.0	8.0	26	6	2	*4.5	*6.0
11	143	4	4	10.5	17.0	104	14	4	10.0	16.0	75	20	6	3.0	5.0	62	11	6	3.0	5.0	43	6	4	13.0	17.5	39	4	6	9.0	12.0	33	10	6	13.5	17.0	26	2	2	*2.0	*4.0
12	143	5	3			104	12	2	11.5	19.0	73	20	4	2.0	4.0	62	12	6	9.5	13.0	37	6	4	8.0	11.0	33	10	6	8.0	11.0	29	14	6	8.0	11.0	26	2	4	*3.0	*5.0
13	143	6	5	12.0	18.5	106	12	4	8.0	14.0	75	18	6	3.5	5.5	62	11	4	3.0	4.5	41	10	6	11.5	15.0	37	12	6	7.0	9.0	32	15	5	4.5	7.0	26	4	2		
14	143	7	2	10.0	18.0	104	12	4	6.5	11.5	73	20	4	2.0	4.5	60	10	2	2.0	4.0	41	8	2	13.0	16.0	39	6	6	8.5	11.0	32	11	3	8.0	11.0	26	2	2	*2.5	*4.0
15	146	4	5	8.5	15.5	104	11	5	8.0	12.0	75	24	4	2.0	4.0	62	14	4			41	10	6	14.0	17.0	41	14	6	1.0	1.5	39	8	8	9.0	12.0	26	4	2	*2.5	*4.0
16	147	4	4	6.5	12.0	105	13	5	6.0	10.0	80	15	9	2.5	4.5	64	15	6			47	8	6	13.0	17.0	47	8	6	5.0	7.0	39	5	4	3.0	5.0	26	2	2	*2.0	*4.0
17	147	2	4	6.5	11.5	107	12	7	7.0	12.0	83	20	6	6.0	9.5	73	17	5	7.0	11.0	48	14	5	9.0	11.0	53	11	4	8.0	12.0	40	4	4	4.5	7.0	24	4	0	*3.0	*4.5
18	147	7	4	7.5	12.5	116	8	6	7.5	12.5	92	18	4	6.0	10.0	81	12	7	4.5	7.5	51	15	4	11.0	14.5	55	10	6	7.5	10.0	40	4	5	4.5	7.0	24	3	2	1.0	3.0
19	149	3	6	8.0	14.0	120	7	4	6.5	12.5	95	13	4	7.0	11.5	84	8	7	2.0	4.0	54	16	5	13.5	20.0	70	6	10	10.0	12.0	39	12	5	4.0	6.5	24	1	2	1.5	3.0
20	149	2	6	10.0	15.5	122	4	2	8.0	13.5	99	11	6	5.0	8.0	83	11	5	1.5	2.0	56	13	4	9.0	12.0	71	6	9			39	13	7	4.5	7.0	24	2	2	1.0	3.0
21	149	2	6	7.0	12.0	124	5	4	9.0	16.0	101	8	6	6.5	12.0	84	8	6	1.0	1.0	57	13	5	4.5	7.5	71	6	8	8.0	13.5	36	13	5	5.0	8.0	24	1	2	1.5	3.0
22	147	6	5	9.0	14.0	124	4	4	9.0	16.5	103	8	4	4.5	8.0	86	8	6	3.5	6.0	60	11	7	7.0	11.5	58	16	6	5.5	8.5	37	7	6	4.5	7.0	24	4	2	1.0	2.5
23	147	6	4	8.0	13.0	124	4	4	8.0	14.0	103	5	6	6.0	11.0	84	10	4	4.5	8.0	58	11	5	11.0	14.5	55	7	4	6.5	10.0	35	4	4	3.5	5.5	24	3	2	*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

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

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

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5					5					10									
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	154	6	6			134	10	4			111	13	7			95	8	8			72	6	10			61	6	8			41	14	6							
01	152	6	6			132	10	6			110	14	6			93	10	6			69	7	7			59	4	6			39	8	4							
02	154	6	6			132	11	4			111	11	5			93	8	8			68	6	8			61	2	6			39	16	6							
03	152	4	4			132	6	4			110	8	4			91	9	6			68	6	8			59	4	6			38	13	7							
04	152	2	4			130	6	6			105	13	5			83	12	4			68	6	10			57	4	6			38	10	9							
05	150	4	2			123	9	5			88	20	14			57	22	2			62	8	10			55	4	6			37	14	4							
06	148	4	4			121	7	7			84	16	8			57	18	4			48	6	8			46	7	11			35	14	4							
07	146	6	4			117	9	11			78	22	10			91	2	6			42	8	4			40	9	11			31	17	6							
08	146	6	4			114	4	10			74	25	4			80*					42	6	4			33	11	8			25	12	6							
09	144	8	2			114	13	13			78	18	12			89	4	32			42	6	5			34	14	7			26	9	9							
10	146	4	6			120	8	10			84	21	12			89	4	32			42	8	4			35	13	8			23	10	6							
11	148	8	6			125	7	11			95	20	19			93	8	34			42	10	4			35	24	10			25	14	6							
12	151	9	5			130	12	10			104	22	18			94	9	25			44	14	6			41	21	13			30	9	11							
13	154	6	4			135	11	7			118	10	28			98	7	35			46	24	8			47	17	16			33	12	12							
14	158	6	6			139	9	9			122	10	22			99	12	20			58	16	20			53	10	8			39	8	14							
15	160	6	4			144	8	12			124	10	19			101	10	24			61	20	19			56	10	17			44	6	11							
16	161	5	5			144	8	12			126	10	18			102	11	29			70	10	26			59	11	15			45	8	10							
17	160	8	4			145	7	15			126	8	27			102	15	33			66	22	22			64	10	15			46	7	7							
18	161	11	7			144	10	14			126	10	22			100	15	25			73	9	19			67	6	16			47	8	6							
19	157	11	3			141	13	9			124	12	16			100	17	17			75	9	11			67	4	7			47	4	6							
20	158	10	4			140	14	8			118	16	10			96	21	5			76	10	8			65	7	8			47	12	6							
21	156	12	4			136	18	4			114	10	6			96	17	7			76	12	8			63	13	8			43	8	4							
22	155	7	7			135	15	5			116	13	12			96	15	7			76	6	10			63	8	8			43	6	6							
23	153	9	5			133	16	5			111	20	7			95	10	8			74	8	10			61	6	6			41	20	6							

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Pretoria, S. Africa Lat. 25.8 S Long. 28.3 E Month January 1962

Hour (LST)	Frequency (Mc)																																	
	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	156	6	5⁻			135⁻	8	12			111	10	14			90	8	16			66	6	6			58	12	4			38	12	6			16	2	0		
01	155⁻	7	3			135⁻	8	13			111	10	15⁻			90	8	24			64	8	4			56	7	4			36	10	6			16	3	0		
02	154	6	2			135⁻	6	14			111	7	12			89	8	16			64	8	7			56	6	5⁻			34	7	6			16	2	0		
03	154	6	5⁻			131	9	17			107	10	22			84	10	27			63	8	6			56	9	6			34	11	7			16	2	0		
04	154	4	4			133	2	16			109	5⁻	23			81	9	22			62	8	5⁻			56	12	6			30	21	4			16	2	0		
05	152	6	2			127	6	5			95	12	8			54	24	6			60	6	8			54	9	6			31	20	5⁻			16	2	0		
06	150	4	4			123	9	8			85⁻	15⁻	17			52	48	4			44	8	6			47	14	7			33	15⁻	3			16	2	0		
07	148	7	2			119	7	8			81	19	12			100	2	50			38	8	6			38	21	7			32	9	8			16	2	0		
08	148	8	4			*117					*83					98	4	62			36	8	6			38	20	10			*30					*18				
09	148	10	6			120	12	14			86	19	24			100	1	50			38	18	6			42	22	12			32	7	13			20	9	4		
10	152	5⁻	8			128	9	20			93	20	26			92	8	41			42	20	9			52	26	22			36	22	17			20	9	4		
11	152	6	5⁻			131	8	10			103	9	23			92	8	27			41	20	6			56	22	26			32	22	12			20	7	4		
12	154	5⁻	18			133	8	10			107	10	21			93	7	41			38	28	4			46	28	18			33	21	13			22	4	6		
13	158	5⁻	19			133	12	8			112	12	19			100	2	34			50	14	14			48	28	14			36	20	12			18	11	2		
14	160	5⁻	9			139	10	8			118	7	14			100	4	28			54	20	20			50	30	16			40	18	10			20	10	4		
15	160	6	7			145⁻	6	12			121	10	14			100	8	28			62	12	30			60	8	22			44	14	12			22	11	6		
16	161	8	18			147	6	12			124	9	18			102	10	30			62	20	28			58	14	16			46	14	10			24	14	8		
17	162	6	20			145⁻	8	16			123	12	20			100	8	26			62	20	24			60	14	16			48	10	10			25⁻	13	9		
18	161	6	24			143	8	14			119	12	18			100	4	23			62	17	12			64	8	12			49	9	9			20	10	4		
19	160	8	16			143	10	10			119	10	10			94	10	12			66	14	8			67	7	9			46	12	6			20	7	4		
20	159	7	10			139	10	6			115⁻	14	4			92	10	12			68	8	8			62	14	6			44	10	4			18	4	2		
21	159	6	6			137	10	6			113	12	8			90	10	10			69	7	7			66	12	10			43	9	7			18	5⁻	2		
22	158	6	13			137	8	6			115⁻	13	12			92	10	10			67	7	5⁻			62	10	8			42	12	8			16	11	0		
23	156	8	13			135⁻	9	10			113	11	24			90	10	13			68	10	8			60	12	6			38	13	3			16	2	0		

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Pretoria, S. Africa Lat. 25.8S Long. 28.3E Month February 19 62

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	143	4	4			138	6	6			118	6	10			99	5	7		
01	141	6	2			138	4	8			114	8	8			96	8	6		
02	143	2	6			138	6	8			115	7	11			97	9	9		
03	141	4	4			136	8	8			114	6	10			93	11	7		
04	141	4	4			136	6	8			112	10	10			92	10	8		
05	139	6	4			132	4	6			104	6	8			78	26	14		
06	139	4	6			128	6	8			100	7	28			78	26	21		
07	137	6	4			124	8	8			95	13	25			92	12	16		
08	135	6	4			126	6	8			*98					94	12	24		
09	137	4	6			124	7	8			96	12	23			94	11	10		
10	137	8	6			124	10	6			94	16	18			94	12	14		
11	139	4	6			132	4	12			104	12	22			94	12	17		
12	141	4	4			136	8	10			116	10	22			94	12	13		
13	145	6	8			140	8	8			118	12	18			96	12	15		
14	147	4	8			142	8	12			122	8	27			96	12	19		
15	149	4	6			144	6	10			124	8	20			96	10	4		
16	149	4	6			142	10	10			124	10	14			96	16	13		
17	149	4	6			142	10	12			121	13	13			96	14	6		
18	147	6	4			142	8	8			119	11	15			96	10	6		
19	147	2	6			142	6	10			122	6	14			98	8	8		
20	147	4	6			141	5	7			120	6	10			100	4	6		
21	146	3	5			140	6	8			120	6	12			102	4	10		
22	145	4	6			140	6	8			116	8	8			100	4	8		
23	145	2	6			138	8	6			118	6	10			100	5	8		

Hour (LST)	2.5 Fam	Du	Dℓ	Vdm	Ldm	5 Fam	Du	Dℓ	Vdm	Ldm	10 Fam	Du	Dℓ	Vdm	Ldm	20 Fam	Du	Dℓ	Vdm	Ldm
00	73	5	7			60	6	7			40	17	6			19	7	0		
01	73	5	7			60	6	6			39	7	5			19	2	0		
02	71	7	7			60	4	4			37	5	5			19	5	0		
03	71	9	9			60	6	6			33	10	7			19	2	0		
04	71	7	9			58	6	5			32	6	6			19	2	0		
05	66	8	4			58	4	6			34	2	8			19	2	0		
06	54	8	4			54	4	8			38	6	6			19	2	0		
07	44	9	6			41	10	8			34	6	6			21	1	2		
08	42	5	4			*34					*32					21	0	2		
09	42	5	6			35	17	7			28	13	7			21	3	2		
10	42	6	4			38	7	12			24	14	6			21	6	2		
11	46	8	8			36	10	10			24	12	6			21	4	2		
12	48	15	7			42	14	14			32	6	10			21	4	2		
13	50	26	8			42	16	10			36	10	12			23	4	4		
14	54	24	12			47	14	15			40	6	12			22	5	3		
15	58	20	20			50	10	18			42	4	9			23	4	4		
16	61	15	18			56	6	17			44	6	6			25	6	6		
17	66	14	20			58	8	14			46	4	4			25	6	6		
18	70	7	8			62	6	8			48	4	6			25	4	6		
19	76	6	8			64	5	10			48	4	6			22	5	3		
20	78	4	8			64	6	6			45	5	5			21	6	2		
21	77	5	7			62	6	6			42	6	6			21	4	2		
22	75	5	7			60	6	6			40	4	8			19	2	0		
23	73	5	5			60	8	4			40	4	6			19	2	0		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median 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 December 19 61

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}
00	154	4	3			127	7	3			112	7	5			86	12	2																					
01																					62	6	8			54	5	6			42	4	6						
02	154	2	2			128	6	3			112	7	4			86	14	4																					
03																					60	4	6			53	5	3			41	8	5						
04	154	2	2			128	8	2			110	8	4			86	13	6																					
05																					62	8	8			54	5	4			39	8	5						
06	154	4	2			126	8	4			110	8	6			79	16	11																					
07																					56	12	6			53	3	7			44	6	2			*32			
08	150	3	2			118	3	5			96	6	12			64	18	6																					
09																					*50					38	7	6			42	6	15			34	26	4	
10	151	1	5			113	5	5			90	12	8			58	20	4																					
11																					*52					30	5	4			40	3	5			*30			
12	152	2	5			112	12	6			94	8	12			66	14	8																					
13																					*51					30	8	4			38	6	4			*34			
14	150	5	4			112	9	6			94	8	12			56	28	2																					
15																					*50					34	10	6			42	6	6			*31			
16	150	4	4			115	6	9			96	13	11			67	19	7																					
17	.																				52	8	4			48	7	7			44	9	6			*37			
18	150	4	2			118	8	2			106	4	7			80	10	4																					
19																					58	8	8			50	8	2			42	5	4						
20	152	4	2			124	5	5			107	7	7			84	7	5																					
21																					58	7	4			52	2	4			42	6	3			*30			
22	154	4	3			126	8	4			110	9	7			86	9	4																					
23																					60	10	6			54	2	6			40	8	3						

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Rabat, Morocco Lat. 33.9N Long. 6.8W Month January 19 62

Hour (LST)	Frequency (Mc)																																	
	.013					.051					.160					.495					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}
00	152	4	4			128	6	4			112	6	4			84	6	6			52	16	6			54	6	4			34	6	4			22	2	2		
01	152	2	4			128	2	2			114	8	6			82	6	4			53	7	5			52	6	4			34	4	4			22	2	2		
02	152	4	4			130	2	4			112	8	4			84	8	6			54	4	8			54	4	2			35	3	5			22	2	2		
03	152	4	4			128	4	4			112	4	9			81	7	7			52	8	6			52	6	6			35	7	5			22	2	2		
04	152	4	4			128	2	2			112	4	4			82	6	4			54	6	8			54	6	4			36	12	4			22	2	2		
05	152	2	4			126	4	4			113	5	5			78	8	7			52	8	2			52	4	6			32	8	2			24	0	4		
06	152	4	4			126	4	4			112	6	7			74	9	10			58	8	6			52	4	5			34	2	4			24	2	4		
07	152	2	4			120	4	6			96	6	10			62	6	4			50	10	4			52	4	4			36	10	2			27	5	7		
08	148	3	4			114	4	6			98	10	10			64	6	8			42	14	8			46	6	8			38	7	4			32	6	8		
09	146	6	4			*108					*94					*62					44	15	12			40	8	6			34	8	4			*34				
10	*148					108	9	6			94	7	15			56	9	2			*34					*35					*34					*30				
11	*148					*111					96	6	13			56	6	4			44	4	10			32	6	10			32	4	4			28	1	7		
12	150	2	6			112	8	8			94	8	10			60	8	4			38	30	6			30	4	8			30	5	5			25	5	3		
13	148	4	4			112	6	10			96	12	16			*60					42	4	6			30	10	6			30	4	2			28	4	6		
14	150	2	2			110	8	7			96	7	10			55	9	3			37	9	5			32	4	8			34	2	8			28	2	4		
15	148	4	2			108	2	4			98	8	12			56	8	4			42	10	10			32	8	4			36	8	4			26	7	4		
16	148	6	0			108	8	6			99	9	11			64	6	8			42	16	8			36	4	6			38	6	9			24	2	4		
17	148	4	4			*111					104	10	10			72	6	4			44	13	6			46	6	6			39	5	5			22	12	2		
18	150	4	2			118	8	6			108	6	8			77	7	9			52	16	4			48	5	4			40	6	6			22	3	2		
19	150	4	2			120	2	2			103	7	9			77	5	5			52	8	6			49	5	3			36	6	4			22	4	2		
20	151	3	1			124	4	6			108	8	6			80	10	4			56	16	8			51	6	3			40	6	4			22	2	2		
21	152	2	2			125	3	6			108	10	10			81	3	7			54	8	6			50	6	4			38	4	6			22	2	2		
22	152	2	2			126	6	4			110	10	8			82	6	4			55	17	5			52	4	4			38	8	7			22	2	2		
23	152	2	4			126	4	2			*110					82	2	6			52	14	4			52	6	2			38	6	8			22	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 Rabat, Morocco Lat. 33.9N Long. 6.8W Month February 19 62

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	156	2	4			130	4	3			116	4	4			86	7	5			58	9	10			60	3	5			40	6	8			23	1	3		
01	156	4	4			131	3	5			116	6	4			86	6	10			56	6	4			53	6	2			40	6	8			23	0	2		
02	156	2	4			132	2	4			116	4	6			88	6	10			58	10	6			53	6	2			38	8	6			23	1	4		
03	156	2	2			132	2	4			116	8	10			86	6	2			60	4	10			53	6	2			40	4	10			23	2	2		
04	158	2	4			132	4	6			116	4	8			84	6	6			58	8	6			55	4	6			40	6	10			25	0	4		
05	156	4	2			131	3	5			118	2	6			84	6	8			60	6	8			57	2	8			38	4	8			25	0	2		
06	156	2	2			128	4	6			106	6	8			72	16	5			60	8	8			55	6	4			34	8	4			25	0	2		
07	156	2	4			122	9	5			101	5	5			64	10	4			57	5	9			53	6	6			40	6	6			27	12	4		
08	152	2	4			118	10	9			102	6	6			66	7	5			44	6	4			43	6	10			40	11	5			29	8	6		
09	152	4	6			110	16	10			*98					*64					42	4	4			35	12	4			36	9	10			*31				
10	*152					112	10	8			100	9	7			59	8	3			36	6	2			33	7	6			36	4	9			33	5	6		
11	152	4	4			112	7	8			102	4	6			62	2	6			34	7	2			31	4	6			30	6	4			29	4	3		
12	152	4	4			112	8	6			100	4	6			64	6	6			38	6	6			29	6	10			30	11	6			29	4	4		
13	154	2	4			114	10	7			102	4	8			60	12	4			38	6	6			29	8	8			32	8	10			28	5	5		
14	152	4	2			114	7	9			98	12	8			58	8	4			38	8	4			29	6	5			34	4	8			29	4	4		
15	152	4	2			112	11	6			100	9	10			59	9	3			40	10	8			33	4	8			35	9	5			27	3	2		
16	152	4	2			112	12	10			94	8	8			62	8	4			42	5	6			35	10	7			38	11	9			26	5	4		
17	152	6	2			112	12	9			104	10	10			72	10	6			44	8	6			45	6	6			40	4	6			25	8	4		
18	152	6	2			122	7	11			106	6	10			78	12	8			54	6	10			50	7	5			40	6	4			23	7	4		
19	154	2	4			126	2	6			108	4	6			84	4	8			56	8	6			51	6	2			38	6	2			23	4	3		
20	154	2	2			126	4	4			110	6	6			84	4	4			58	12	8			51	8	2			42	4	6			23	4	2		
21	154	4	0			126	6	4			108	4	6			84	10	2			58	8	8			53	6	4			44	4	6			23	4	2		
22	156	2	2			129	3	3			110	10	4			86	6	4			60	4	8			53	6	6			41	9	3			23	0	3		
23	156	2	2			130	2	4			114	4	6			88	4	4			58	6	10			55	4	4			40	10	6			23	0	2		

F_{am} = median value of effective antenna noise in db abave ktb
D_u = ratio of upper decile ta median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = medion deviatlan of overage voltage in db below mean pawer
L_{dm} = median deviotian of overage logarithm in db below meon pawer

MONTH-HOUR VALUES OF RADIO NOISE

Station São José, Brazil Lat. 23.3 S Long. 45.8 W Month January 19 62

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	130	4	5	3.0	7.0	110	7	5	7.0	9.0	94	4	4	7.5	11.0	86	9	2	6.0	8.5	60	6	6			59	5	2			46	7	4			27	4	1		
01	128	5	2	9.0	11.5	109	6	6	7.0	9.5	94	2	9	6.0	10.5	86	6	5	8.5	12.5	59	7	5			57	6	1			46	7	6			27	4	3		
02	128	5	4	6.5	9.0	105	11	3	6.0	10.0	92	6	12	9.0	12.0	86	7	4	7.0	11.5	57	8	4			57	6	5			44	9	4			27	2	4		
03	127	8	3	7.5	12.0	105	9	4	7.0	10.5	92	4	8	8.0	12.0	84	8	3	9.5	13.5	56	8	4			55	8	4			45	6	9			27	3	2		
04	126	10	6	7.5	13.0	105	9	4	8.0	12.0	90	4	6	6.5	11.5	84	4	7	13.0	16.5	58	7	8			55	8	4			40	9	6			27	2	2		
05	124	4	3	8.5	13.5	97	12	5	7.0	10.0	*74					76	10	6			55	7	9			53	11	7			40	10	4			27	2	2		
06	120	8	10	10.5	13.5	*90			7.0	9.0	*70			12.0	16.5	86	6	2			40	12	7			57	5	10			44	7	7			29	6	3		
07	118	8	4	9.0	14.0	*90			7.5	9.5	*74			6.0	6.5	86	6	2	1.5	2.5	32	12	4			51	5	9			44	4	10			29	5	4		
08	118	4	12	8.0	16.0	*89					*73			11.5	14.0	86	4	2	2.5	5.0	28	7	3			43	7	7			37	7	7			29	9	5		
09	118	8	10	13.0	20.0	*94			12.0	15.0	*73			12.0	16.0	86	4	2			29	4	3			37	15	3			34	7	4			27	5	4		
10	120	6	12	13.5	21.0	96	2	10	12.0	16.5	*76			7.0	12.0	88	2	8	1.5	3.0	30	7	4			37	6	6			35	6	7			27	4	3		
11	124	4	8	16.5	22.0	98	6	8	11.0	13.0	*80			11.0	15.5	88	6	4			30	8	5			35	17	3			37	5	6			27	3	3		
12	126	10	5	15.0	20.0	102	10	12	12.5	16.0	90	10	14	10.0	16.0	88	10	6	6.0	6.0	40	17	15			39	17	8			38	3	5			29	6	6		
13	128	13	7	14.0	20.5	104	17	7	11.0	16.5	88	16	17	10.0	16.0	90	8	8	2.5	2.5	43	23	14			39	18	5			42	2	6			29	4	4		
14	133	9	7	16.0	19.5	106	14	6	15.0	20.0	91	16	14	13.0	20.5	92	10	7	16.0	21.0	44	18	12			44	8	5			44	4	6			31	9	6		
15	130	17	4	11.5	16.0	110	13	11	10.5	15.0	94	17	14	12.5	18.5	90	12	5	1.5	1.5	50	18	15			49	12	5			46	4	4			33	7	7		
16	132	16	6	10.0	14.5	110	12	10	11.0	16.0	94	14	15	15.5	21.0	90	12	4			50	14	14			53	5	6			48	2	6			33	4	8		
17	132	9	8	10.0	14.0	108	14	6	11.5	16.0	90	14	10	13.0	20.0	88	10	5			53	13	8			57	6	4			48	4	2			34	3	5		
18	130	18	7	10.5	15.0	108	10	6	9.0	14.0	88	13	9	9.0	15.0	86	10	2			61	5	7			63	2	6			50	3	6			33	6	4		
19	129	12	5	8.0	12.0	110	6	6	10.0	14.0	94	6	9	9.0	14.0	88	6	6	3.5	5.0	65	3	5			65	4	4			50	6	4			29	8	2		
20	132	10	8	8.0	12.0	112	5	4	6.5	10.0	94	11	4	10.0	14.0	92	5	6	6.0	7.0	64	6	4			65	6	4			48	8	3			29	10	4		
21	128	16	6	9.0	11.5	112	8	6	6.0	8.0	96	12	7	11.0	13.0	92	7	6	4.0	9.0	62	8	4			65	4	6			48	6	4			29	10	4		
22	130	7	7	10.0	12.0	111	9	5	7.5	9.0	96	7	6	9.0	12.0	89	7	10	6.0	8.5	62	7	4			64	3	4			48	8	4			29	3	4		
23	129	11	5	7.0	10.0	110	8	3	8.0	11.0	96	6	8	8.5	10.5	87	11	3			60	9	5			65	4	8			48	8	5			27	6	4		

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

USCOMM-NBS-DL

MONTH-HOUR VALUES OF RADIO NOISE

Station Singapore, Malaya Lat. 1.3 N Long. 103.8 E Month December 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	158	5	4	12.0	19.0	137	6	4	10.0	18.5	119	6	6	12.5	21.5	93	5	8	13.0	23.0	64	6	6	9.0	18.5	59	11	2	6.5	11.5	49	7	9	4.5	8.0	22	4	0	3.0	4.0
01	158	4	4	12.0	18.5	139	4	6	12.0	19.0	119	6	4	12.0	21.0	93	4	4	12.5	22.5	66	4	6	8.0	14.0	59	9	2	7.0	11.0	47	8	8	4.0	8.0	22	4	0	2.0	4.0
02	158	4	4	12.5	19.0	139	2	6	13.0	21.0	119	3	7	13.0	22.5	93	4	8	12.0	24.0	66	4	4	8.5	15.0	59	5	2	7.0	11.0	47	11	9	5.5	9.0	22	2	0	2.5	4.0
03	156	4	2	12.0	18.5	137	3	4	13.0	22.0	117	4	3	13.5	23.0	90	5	4	*13.5	*24.5	68	1.	6	10.0	16.5	61	4	2	6.0	11.5	45	6	6	6.0	10.0	24	2	2	3.0	5.0
04	156	4	2	13.0	19.5	137	4	6	14.0	22.5	117	3	7	15.0	25.0	88	7	5	15.0	26.0	66	4	5	10.5	16.5	59	4	4	*7.0	*13.0	41	6	8	5.0	7.5	24	2	2	2.5	4.5
05	156	3	2	11.0	18.0	131	7	3	14.0	22.5	109	5	8	*16.0	*23.0	77	10	9	*15.5	*25.0	54	5	4	11.0	18.0	57	5	6	8.0	14.0	41	8	4	4.0	7.0	24	2	0	2.0	4.0
06	156	3	2	12.5	19.5	129	5	6	14.5	21.5	101	12	10	*17.5	*25.5	67	16	10	*16.0	*17.5	54	4	6	12.5	19.0	51	4	2	7.0	12.5	43	12	2	5.5	8.0	24	4	0	3.0	4.5
07	156	2	5	15.0	21.5	125	8	6	16.5	25.0	99	10	8	*18.5	*26.0	65	12	8			44	10	6	*9.0	*14.0	45	2	8	9.0	15.0	41	6	4	7.0	10.5	28	2	2	2.5	4.5
08	154	4	4	15.0	22.0	123	10	6	*17.5	*26.0	98	8	12			67	14	9			34	8	6	*8.5	*14.0	37	6	4	*10.0	*17.5	35	6	5	*8.5	*12.5	28	6	2	3.0	5.0
09	154	4	3	*16.0	*24.5	125	8	8	*16.0	*26.0	*101			*18.5	*29.0	*63					32	12	4	*6.0	*9.0	34	6	3	*9.5	*14.0	34	5	5	*7.5	*10.5	24	2	2	3.0	5.0
10	152	4	2	*15.5	*23.5	125	4	8	*17.0	*26.0	*98			*16.0	*26.5	63	17	9			28	10	2	*4.0	*6.5	31	4	6	*10.0	*15.0	33	10	6	*6.5	*9.0	24	2	2	3.0	5.0
11	154	3	4	14.0	22.0	127	2	8	*16.5	*25.0	99	7	12	*14.0	*24.0	73	7	11	*15.0	*22.5	28	7	0	*6.0	*8.5	29	3	4	*4.0	*6.5	35	8	6	*9.5	*13.0	24	2	0	3.5	5.0
12	156	2	4	13.5	19.5	129	9	7	14.0	21.5	105	13	15	*15.5	*24.5	79	13	14	*12.0	*24.0	32	12	4	*6.5	*9.0	31	11	6	10.0	14.0	39	6	9	5.0	11.0	28	4	2	3.0	5.0
13	158	7	5	13.0	20.0	131	10	5	14.0	22.0	108	21	11	15.0	24.0	82	29	13	*15.0	*26.0	34	17	6	*7.0	*10.0	35	23	6	*9.0	*13.5	43	7	8	*3.0	*6.5	26	12	2	3.0	5.5
14	159	5	4	13.0	20.0	135	8	8	14.0	22.0	113	14	10	14.0	22.0	91	13	18	*15.0	*25.0	38	20	8	*10.0	*14.0	42	24	11	*8.5	*14.0	47	8	12	*5.0	*10.0	28	4	2	*4.0	6.0
15	160	6	4	13.0	20.0	137	10	6	15.0	23.5	113	14	6	*15.5	*26.0	90	10	10	*13.5	*25.0	44	16	10	*11.5	*17.0	47	12	6	*9.5	*15.5	49	6	8	*4.5	*9.0	28	9	2	3.5	6.0
16	160	5	4	13.5	22.0	137	7	7	15.0	24.0	113	8	8	15.0	25.5	87	12	10	13.0	24.5	48	15	6	*11.0	*18.0	51	9	4	9.0	15.5	53	8	10	*4.0	*8.0	28	4	2	4.0	5.0
17	158	5	3	14.0	22.5	137	6	7	15.5	25.0	113	8	8	14.5	23.0	89	9	8	11.5	21.5	56	7	6	8.0	13.5	57	5	5	6.0	11.0	57	4	12	4.0	7.0	28	4	2	4.5	6.0
18	158	2	6	14.5	21.0	137	6	6	14.0	23.5	119	4	6	12.0	21.5	93	6	6	11.0	20.0	63	6	5	8.0	13.0	61	3	5	4.5	7.0	55	4	8	3.0	6.0	26	4	2	4.0	5.5
19	158	4	4	13.5	20.0	137	5	4	14.0	23.0	119	5	6	12.0	23.0	93	8	9	10.0	18.5	66	4	6	8.0	13.5	63	2	4	3.5	6.0	51	8	6	4.0	6.0	24	4	0	2.5	4.5
20	158	5	4	14.0	21.0	137	4	4	15.5	25.0	119	4	6	13.0	24.0	95	5	7	11.0	21.0	66	2	4	8.5	15.0	61	4	4	3.0	6.0	51	6	7	4.5	7.5	26	4	2	3.0	5.0
21	158	4	4	13.0	20.0	137	4	6	15.0	24.0	119	4	6	13.0	23.5	93	6	4	11.0	20.0	66	4	5	8.0	14.0	61	4	2	3.5	6.5	50	7	7	4.5	7.5	26	4	2	3.0	5.0
22	158	3	4	13.0	19.0	137	4	7	14.0	23.0	119	4	5	12.0	22.0	95	4	9	11.5	21.0	66	2	8	8.0	14.0	58	4	4	7.0	12.0	49	7	4	4.5	8.0	26	5	2	3.0	5.0
23	158	4	4	12.5	19.0	137	5	5	13.0	21.0	118	6	5	12.5	22.0	93	7	7	12.0	23.0	64	6	8	8.0	14.0	59	4	4	6.0	11.0	50	7	5	4.5	7.5	26	5	2	3.0	5.0

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Thule, Greenland Lat. 76.6 N Long. 68.7 W Month December 19 61

Hour (LST)	Frequency (Mc)																																	
	.051					.160					.495					2.5					5					10									
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}**	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}**	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}**	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}**	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}**	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00						117					90					81					44					52					46					
01						119					88					77					43					52					48					
02						119					88					71					45					55					46					
03						128					90					87					54					58					50					
04						127					95					90					46					57					48					
05						141					103					95					56					56					53					
06						139					116					103					55					59					56					
07						138					115					75					54					57					55					
08						143					120					109					58					54					48					
09						143					90					106					43					49					50					
10						118					86					77					52					47					46					
11						118					88					75					46					46					51					
12						118					97					83					45					42					46					
13						118					93					76					48					46					48					
14						114					90					75					45					44					47					
15						120					87					77					37					47					49					
16						114					88					79					40					50					50					
17						104					88					75					41					46					50					
18						115					84					78					42					53					48					
19						116					84					78					39					48					48					
20						115					88					78					47					47					44					
21						115					88					79					42					46					45					
22						117					86					77					42					45					45					
23						116					84					79					41					48					48					

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

** Only five days of data.

MONTH-HOUR VALUES OF RADIO NOISE

Station Thule, Greenland Lat. 76.6N Long. 68.7W Month January 1962

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	Fam*	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm	Ldm	Fam*	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam*	Du	Dℓ	Vdm	Ldm
00	160			*2.5	*6.0	119	2	3	3.0	6.0	*95			4.5	11.5	68	2	6	*6.0	*10.0	69					44	12	5			18	7	9			27				
01	160			*3.0	*5.5	119	2	2	2.5	5.0	*96			9.5	17.0	68	2	8	6.0	10.0	69					44	11	6			19	16	7			25				
02	160			*3.0	*6.0	119	2	3	3.5	7.0	*93			8.0	14.0	*66			5.0	9.0	70					44	13	5			18	13	6			27				
03	160			*3.0	*5.5	119	4	2	3.0	7.0	*93			5.0	12.0	66	4	7	6.0	10.0	71					44	13	6			18	6	4			28				
04	160			*3.0	*6.5	119	3	2	3.0	7.0	*96			8.0	16.0	66	5	4	7.0	11.0	72					44	8	7			18	6	5			27				
05	160			*3.0	*6.0	119	2	3	3.0	6.0	95	10	9	7.5	11.5	*66			*7.0	*10.5	71					*44					18	4	6			27				
06	160			*3.0	*5.5	119	3	2	4.0	6.0	98	5	10	10.5	17.0	66	8	6	7.5	11.5	73					*46					18	9	6			27				
07	160			*2.5	*5.5	119	3	2	4.0	7.0	*95			9.5	15.5	66	2	6	6.5	10.0	65					46	13	6			*21					28				
08	160			*2.5	*5.0	119	3	2	*3.5	*6.5	96	9	9	8.0	14.5	65	5	5	5.0	9.0	73					*45					20	3	6			27				
09	160			*2.5	*5.5	119	4	3	3.5	7.0	*96			9.5	14.0	66	4	4	*8.0	*12.0	72					*39					*20					27				
10	160			*2.0	*4.5	119	2	5	*3.5	*7.0	*95			9.5	19.5	66	5	5	*7.5	*8.0	72					*44					*20					29				
11	159			2.5	6.0	119	2	3	3.5	6.5	95	6	4	10.0	17.5	*68			*7.5	*10.0	70					*42					20	3	9			27				
12	160			*3.0	*5.5	119	3	3	4.0	7.0	*96			13.0	17.5	67	5	7	*7.0	*10.0	68					42	14	4			*21					25				
13	160			*3.0	*6.0	119	2	3	*3.5	*6.0	*94			14.5	20.0	*66			*6.0	*10.0	78					43	13	3			*20					28				
14	160			*3.0	*5.0	119	2	4	5.0	8.0	*93			8.0	19.0	*65			*6.5	*11.0	70					*42					20	7	8			28				
15	159			*2.5	*5.5	119	2	3	4.0	7.5	*94			7.0	10.0	*67			*7.0	*9.5	71					*47					*20					26				
16	159			3.0	6.0	119	2	4	4.0	7.0	*95			7.0	16.0	*66			*7.0	*11.0	68					*45					24	6	4			25				
17	160			2.5	5.5	119	2	3	3.5	6.5	95	7	6	7.0	11.5	67	3	7	8.0	11.0	73					44	12	6			22	4	6			27				
18	160			3.0	5.5	119	2	3	3.0	7.0	*95			8.5	12.0	*68			6.0	9.5	73					45	7	8			20	10	8			27				
19	161			2.5	6.0	119	1	3	3.5	6.0	*94			7.0	11.5	*67			5.0	8.5	74					45	10	4			20	6	6			26				
20	160			3.0	5.5	119	1	3	3.0	6.5	*95			5.5	13.0	*67			6.0	10.0	72					44	11	5			17	8	5			26				
21	160			2.5	5.5	119	1	4	3.0	6.0	95	5	8	6.5	13.5	*65			5.0	9.0	66					44	14	6			17	8	6			27				
22	161			3.0	6.0	119	2	2	2.5	6.0	97	4	12	6.0	10.5	66	5	9	*6.0	*10.0	70					45	12	5			16	5	6			27				
23	160			*3.0	*6.0	119	2	2	3.5	6.5	96	6	11	8.0	13.0	66	4	8	*7.0	*11.5	71					42	14	3			17	9	8			26				

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

MONTH-HOUR VALUES OF RADIO NOISE

Station ~~Thule, Greenland~~ Lat. 76.6N Long. 68.7W Month February 19 62

Frequency (Mc)

Hour (LST)	013					.051					.160									
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	*158			3.0	5.5	*120			4.0	6.5	*88			7.5	11.0					
01	*159			2.5	5.0	120	2	2	3.5	6.0	*88			6.5	10.5					
02	159	4	7	3.0	5.0	120	2	2	4.0	7.0	*88			7.0	10.0					
03	159	5	7	3.0	5.5	119	2	3	4.0	6.5	88	4	8	5.5	10.5					
04	159	5	7	3.5	5.5	119	2	3	3.5	6.0	*88			5.0	8.5					
05	158	6	6	3.0	5.0	119	2	3	3.5	6.5	*88			9.0	12.5					
06	159	3	7	2.5	5.0	118	3	2	4.0	6.5	*88			4.5	6.5					
07	158	4	6	2.5	4.5	119	2	3	3.0	6.5	*88			7.5	13.5					
08	*158			2.5	4.5	*118			3.0	5.5	*84			6.0	8.5					
09	*160			3.0	5.5	*119			4.0	6.5	*85			*4.5	*7.0					
10	*159			2.0	5.0	118	3	2	5.0	7.5	*88			6.5	9.0					
11	160	4	6	2.5	5.0	118	2	2	3.0	6.0	89	3	6	4.5	7.0					
12	160	2	4	2.5	5.0	118	3	2	3.5	6.5	*86			5.0	7.5					
13	160	2	4	2.5	5.0	118	2	2	3.5	6.0	*87			*6.0	*8.0					
14	160	2	2	2.5	5.0	118	2	2	3.5	6.5	*89			6.0	8.5					
15	160	2	2	3.0	5.5	*119			5.0	8.0	*89			8.5	11.5					
16	160	3	4	2.5	5.0	119	2	2	3.0	6.0	*89			8.0	11.0					
17	160	2	4	2.5	5.0	119	3	2	3.0	5.5	*89			6.0	9.5					
18	160	2	6	3.0	5.0	119	2	1	3.0	6.0	*89			4.0	6.5					
19	160	4	4	2.5	4.5	120	2	2	3.5	6.0	*90			6.0	9.0					
20	160	2	4	3.0	5.0	120	2	2	3.5	6.5	*89			8.0	11.0					
21	158	4	5	3.5	5.5	120	1	3	4.0	6.5	*89			5.0	8.0					
22	*158			2.5	5.0	*121			4.0	6.5	*89			7.5	10.5					
23	*159			2.5	5.0	*120			3.0	5.5	*90			7.5	11.5					

Hour (LST)	2.5					5					10					20				
	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	48					45					*17					*27				
01	46					42					*19					27	3	2		
02	46					39					*17					26	4	1		
03	45					39					*16					26	4	0		
04	43					41					*16					26	4	0		
05	48					40					*18					*28				
06	42					44					*17					*26				
07	45					48					*22					*27				
08	52					41					*22					*27				
09	42					35					*19					*28				
10	48					39					*18					*26				
11	46					39					*17					26	2	0		
12	45					39					*18					*26				
13	45					39					*16					*28				
14	47					37					*19					*28				
15	49					44					*23					*26				
16	48					36					*22					*26				
17	41					42					24	8	7			*27				
18	50					34					*26					*27				
19	47					45					*22					*28				
20	46					42					*20					*27				
21	47					43					*22					*26				
22	48					43					*22					*27				
23	46					41					*19					26	3	1		

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

USCOMM-NBS-BL

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SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0N Long. 79.5W Season Winter (Dec. Jan. Feb.) 1961-62

	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	6	4	12.0	16.5	155	5	4	11.0	16.5	152	4	4	11.5	16.5	155	4	3	11.0	16.0	154	6	4	12.0	17.5	152	5	5	12.5	18.0
.051	130	8	6	11.0	16.5	128	8	6	11.0	16.5	118	11	8	13.5	19.5	125	9	6	12.0	18.0	126	8	5	11.5	18.0	128	8	7	10.0	16.0
.160	111	7	7	9.5	16.0	104	13	11	11.0	18.0	90	21	13	13.0	21.0	96	13	11	11.0	18.0	103	8	8	10.5	17.0	109	9	6	9.0	15.0
.495	92	9	6	8.5	14.5	86	12	8	10.0	15.5	79	13	6	9.0	13.5	81	14	7	8.5	12.0	86	8	5	7.0	10.5	92	7	6	6.5	10.5
2.5	63	7	6	7.0	11.0	60	6	8	7.0	12.0	56	4	7	3.0	7.5	55	9	10	4.5	8.5	59	4	8	4.0	7.0	60	6	4	5.5	8.5
5	54	7	7	4.5	7.0	54	7	8	6.0	9.5	36	11	7	6.0	10.0	34	11	6	6.5	10.0	53	8	8	5.5	8.0	57	7	7	5.0	8.0
10	37	9	5	3.5	5.5	38	11	6	4.0	6.5	35	14	6	5.5	8.0	34	13	5	6.0	9.5	42	9	6	4.5	7.0	37	8	5	4.0	6.5
20	21	2	1	1.5	2.5	23	2	2	1.5	2.5	24	4	3	3.5	5.0	25	4	3	4.0	5.5	24	4	2	3.0	4.5	22	2	2	2.0	3.0

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

USCOMM-NBS-DL

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1N Long. 105.1W Season Winter (Dec. Jan. Feb.) 19 61-62

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	153	4	4	10.5	16.0	152	4	4	12.0	17.5	147	3	3	11.5	17.0	146	5	3	12.0	16.5	148	5	5	13.5	19.0	151	5	4	12.0	17.5
.051	123	7	6	10.5	16.5	119	8	5	11.0	17.0	105	10	8	12.5	18.0	104	16	10	13.0	18.5	115	10	10	11.5	18.0	121	8	7	11.0	17.5
.160	99	11	11	10.0	16.5	87	12	9	8.0	12.0	75	9	7	7.5	6.5	78	10	9	4.5	6.5	91	11	13	8.5	13.5	98	12	11	9.0	15.5
.495	78	11	10	7.0	11.5	66	9	10	4.5	7.0	63	3	12	2.0	4.0	64	3	9	2.0	4.0	70	10	9	4.0	7.5	78	10	9	6.0	10.5
2.5	54	11	5	4.0	6.5	52	9	5	4.0	7.0	48	12	5	2.5	4.0	51	12	8	3.5	6.5	52	8	5	3.5	6.0	54	8	5	4.5	7.5
5	52	6	5	5.0	8.5	49	6	4	5.5	8.0	38	11	3	2.5	5.0	39	10	4	2.0	4.0	49	5	5	4.0	6.5	50	7	5	5.0	8.0
10	39	20	7	3.5	5.0	40	13	6	3.5	5.5	39	13	6	5.0	7.5	42	14	7	7.5	12.0	42	13	6	3.5	5.5	34	13	3	3.0	5.0
20	21	2	3	2.5	4.0	22	3	3	2.0	4.0	25	12	3	3.5	5.0	27	14	5	6.0	9.0	21	4	3	2.5	4.0	21	2	2	2.0	4.0

F_{am} = median value of effective antenna naise in db abave ktb

D_u = ratia of upper decile ta median in db

D_ℓ = ratio af median ta lawer decile in db

V_{dm} = median deviatian af average valtage in db below mean power

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Byrd Station, Ant. Lat. 80.0S Long. 120.0W Season Summer (Dec. Jan. ***) 19 61-62

	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	108	3	1			109	2	2			108	2	1			108	2	2			109	2	2	2		109	3	2		
.113	82	3	2			81	4	2			82	3	2			83	3	3			82	4	2	2		82	3	3		
.246	70	2	3			68	3	3			69	3	3			68	3	2			69	3	3	3		68	4	2		
.545	58	3	2			58	2	2			56	2	3			58	2	3			58	2	3	3		57	2	3		
2.5	39	10	4			39	9	4			39	10	4			40	5	5			39	6	4	4		39	6	4		
5	31	4	7			28	7	5			26	9	4			27	6	4			28	5	4	4		30	4	5		
10	23	10	11			19	6	8			17	2	5			17	4	2			21	12	4	4		23	9	4		
20	17	0	2			17	0	2			17	0	2			17	0	2			18	1	2	2		17	0	2		

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

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*** No February Data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Cook, Australia Lat. 30.6S Long. 130.4E Season Summer(Dec. Jan. Feb.) 19 61-62

	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	139	5	4	9.5	15.5	156	4	4	11.0	18.0	155	5	6	13.0	20.5	158	5	4	9.5	16.5	161	5	5	8.0	14.0	161	5	6	10.0	16.0
.051	135	6	6	9.5	16.5	128	6	7	11.0	18.5	124	8	10	12.5	20.5	130	6	8	7.5	13.0	132	7	8	6.5	11.5	137	5	8	8.0	14.5
.160	112	7	7	8.0	15.5	93	14	11	11.0	18.5	86	15	13	11.5	19.5	97	12	10	6.5	12.0	104	13	11	6.0	11.0	114	7	9	6.5	13.0
.545	91	7	9	8.0	15.5	58	15	7	8.0	14.0	46	17	6	5.0	8.0	52	22	8	5.0	9.5	68	19	10	5.5	10.5	93	7	9	6.0	12.0
2.5	64	6	8	6.0	12.0	50	7	8	8.0	14.0	21	10	2	4.5	7.0	21	19	1	5.5	8.5	43	15	8	4.5	8.0	67	6	9	4.5	9.0
5	58	4	6	5.5	10.0	47	6	7	6.5	11.5	23	11	8	7.0	10.0	22	14	4	5.0	15.5	48	9	8	4.0	8.0	60	5	6	4.5	8.5
10	44	4	6	5.0	8.5	39	4	6	4.0	7.0	28	6	4	4.0	6.0	31	6	4	4.0	7.0	46	5	4	4.0	7.5	48	3	4	4.0	7.5
20	22	2	1	3.0	4.0	23	1	2	3.0	4.0	23	2	3	3.0	4.5	24	4	4	3.5	5.5	25	5	3	3.0	5.5	22	3	1	3.0	5.0

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

USCOMM-NBS-BL

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Enkoping, Sweden Lat. 59.5N Long. 17.3E Season Winter (Dec. Jan. Feb.) 19 61-62

	TIME BLOCKS (LST)																										
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	152	3	2	10.5	17.0	151	3	3	13.0	19.5	145	5	3	12.5	19.0	145	4	3	10.5	16.5	147	4	2	9.0	14.5	151	3	2	8.0	13.5
.051	116	5	4	9.0	15.0	114	5	4	11.5	18.0	99	11	6	12.5	17.5	98	11	7	10.5	15.5	109	8	6	12.0	18.0	114	6	4	9.5	15.0
.160	103	7	7	5.5	10.0	104	7	7	4.5	9.5	93	5	7	3.5	7.5	93	7	7	3.5	7.0	97	6	6	3.0	7.0	101	7	6	4.0	8.0
.495	70	7	6	5.0	8.0	64	11	7	3.5	6.5	60	8	6	2.5	4.5	64	10	8	2.0	4.0	75	14	10	2.5	4.5	73	12	7	3.5	6.5
2.5	54	5	4	5.0	8.5	53	9	5	5.0	8.5	39	7	6	3.5	6.5	38	7	6	3.0	5.0	49	10	4	4.5	7.5	55	9	5	5.0	8.5
5	50	4	4	4.0	7.0	48	7	3	4.0	7.0	38	7	6	4.0	7.0	35	7	6	4.0	7.0	49	5	4	3.0	6.0	50	3	5	4.0	7.0
10	33	7	3	2.0	4.0	34	7	3	2.5	4.5	43	9	6	4.5	8.0	45	8	6	3.0	5.5	39	13	5	3.0	5.0	33	7	3	2.0	4.0
20	19	2	3	1.0	2.5	20	2	3	1.0	3.0	21	3	4	2.0	4.0	21	3	3	2.0	4.0	19	2	3	1.0	3.0	18	3	3	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

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SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Front Royal, Virginia Lat. 38.8N Long. 78.2W Season Winter (Dec. Jan. Feb.) 19 61-62

	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	105	8	7			98	8	8			88	10	7			88	8	7			94	9	7			104	9	8		
.500	82	8	9			69	9	8			55	4	3			55	3	3			66	9	6			82	8	8		
2.5	60	8	8			56	8	7			33	4	4			35	4	4			50	7	6			61	8	7		
5	55	6	6			54	6	5			35	4	4			30	5	3			51	6	5			55	6	5		
10	38	2	1			39	3	2			41	3	2			44	3	2			42	4	2			38	3	2		
20	23	1	1			24	0	1			26	0	1			30	1	1			24	1	1			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

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SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Kekaha (Kauai). T. H. Lat. 22.0N Long. 159.7W Season Winter (Dec. Jan. Feb.) 1961-62

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	154	4	4	11.0	18.0	155	5	4	11.5	18.5	150	6	4	12.5	19.5	150	6	6	15.5	23.0	149	8	4	14.0	21.5	152	6	4	11.0	18.0
.051	130	10	4	12.0	19.5	130	8	4	12.5	20.5	115	16	13	15.0	23.0	115	12	16	15.5	23.5	115	15	14	14.5	22.0	126	10	9	13.0	21.0
.160	108	13	6	11.5	19.0	124	15	7	11.0	20.0	86	23	13	12.5	22.0	86	19	14	12.0	21.0	91	19	14	11.5	20.5	106	12	13	12.0	20.5
.495	90	14	10	11.5	20.5	80	20	8	10.0	18.5	59	28	9	8.5	13.5	60	24	12	9.5	16.0	70	22	14	9.5	15.5	89	12	14	11.5	20.0
2.5	62	10	8	6.5	11.0	61	11	8	7.0	12.0	38	20	5	5.0	8.0	33	16	4	4.0	7.0	45	15	9	6.5	11.0	60	11	10	7.5	14.0
5	57	8	6	5.5	10.0	50	6	6	6.0	10.0	33	15	7	7.5	13.0	26	15	7	8.5	13.5	41	12	8	6.5	11.5	49	9	6	6.5	11.0
10	37	10	5	3.0	5.0	33	6	3	2.5	5.0	30	9	6	5.0	8.0	26	9	7	5.5	9.0	37	8	6	4.5	7.5	40	7	5	3.0	5.0
20	23	1	2	1.5	3.0	23	2	0	1.5	3.0	22	2	1	2.0	4.0	22	2	2	2.5	4.0	23	2	1	2.0	4.0	22	2	1	1.5	3.0

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

USCOMM-NBS-BL

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station New Delhi, India Lat. 28.8N Long. 77.3E 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	159	5	4	9.0	12.5	156	5	3	11.0	14.5	155	4	4	10.5	14.0	160	4	3	9.0	12.0	161	4	3	8.0	10.5	159	4	3	9.0	11.5
.051	140	6	7	9.0	13.0	134	11	8	11.0	15.0	130	10	9	10.5	15.0	138	10	6	8.5	12.0	139	7	5	8.0	11.0	139	6	5	8.0	12.0
.160	121	9	10	8.5	12.0	113	12	15	12.0	16.5	108	10	8	11.5	15.5	119	11	10	8.0	11.5	120	9	9	7.0	10.5	120	8	7	8.0	120
.545	100	9	10	7.5	11.5	89	16	14	11.0	15.5	86	17	14	10.0	14.5	95	14	13	7.5	11.5	95	12	10	8.0	11.0	100	7	7	8.0	11.5
2.5	73	8	10			62	14	10			47	13	8			56	20	12			63	14	10			73	7	7		
5	62	9	10			54	12	9			42	11	6			47	18	11			59	8	7			63	7	8		
10	49	6	5			45	6	4			43	7	7			45	10	5			51	7	5			52	7	4		
20	30	6	3			28	5	2			30	3	4			34	8	4			35	7	3			32	7	3		

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

USCOMM-NBS-DL

RN-14

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station New Delhi, India Lat. 28.8N Long. 77.3E Season Fall (Sept. Oct. Nov.) 19 61

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	156	3	3			155	4	2			151	4	3			155	6	3			156	4	3			156	4	2		
.051	134	5	4			129	10	7			120	11	7			126	14	6			129	13	6			133	6	5		
.160	115	6	5			105	12	11			95	18	10			105	16	14			111	14	8			114	8	5		
.545	92	8	6			80	16	9			72	18	7			80	22	11			87	16	8			93	9	6		
*** 2.5	71	6	4			63	11	6			46	15	7			50					64	11	10			70	7	6		
*** 5	61					54					34					39					55					65				
*** 10	44	5	5			41	6	4			37					43	8	6			49	5	4			45	6	4		
*** 20	28	4	2			28	4	2			29					32					33	3	2			28	3	2		

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

*** No October and November Data

USCOMM-NBS-BL

RN-14

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Ohira, Japan Lat. 35.6N Long. 140.5E Season Winter (Dec. Jan. Feb.) 1961-62

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	148	6	5	10.0	15.5	146	5	4	11.0	17.5	143	6	2	13.0	19.5	146	5	4	11.0	18.0	148	4	5	9.0	15.0	147	6	4	10.0	16.0
.05	124	7	3	10.5	17.5	120	6	5	11.5	18.0	106	14	5	11.0	17.5	109	11	6	11.5	18.0	117	7	6	11.0	18.0	124	6	4	10.0	17.0
.160	107	9	7	10.5	18.0	93	13	8	12.0	20.0	79	22	8	9.0	14.5	78	20	8	7.5	13.5	95	13	10	10.5	17.0	106	8	7	8.0	14.0
.475	89	8	7	7.5	11.5	78	14	12	6.0	10.5	64	15	5	8.5	15.5	65	16	5	6.5	10.0	81	12	8	7.0	11.0	88	9	7	4.0	6.5
2.5	61	9	8	7.5	11.5	56	10	8	8.5	12.5	43	7	6	10.0	13.0	41	9	6	10.5	13.5	53	11	7	8.5	12.5	60	10	6	9.5	13.5
5	55	6	4	6.0	9.5	59	7	7	8.0	12.5	41	10	5	8.5	11.5	39	11	5	6.5	9.0	56	8	7	7.0	10.5	62	9	6	6.0	10.0
10	36	14	6	3.0	5.0	34	9	3	2.5	4.0	36	12	7	5.5	8.0	41	12	10	5.5	8.5	50	11	13	3.5	5.5	40	17	8	3.5	6.0
20	24	0	0	1.0	2.5	25	1	1	1.0	2.5	26	3	2	2.0	3.5	26	2	2	2.0	3.5	24	1	1	1.5	3.0	24	1	1	1.0	2.5

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

USCOMM-NBS-DL

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Pretoria, South Africa Lat. 25.8S Long. 28.3E Season Summer (Dec. Jan. Feb.) 19 61-62

	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	150	5	4			146	5	4			144	6	5			153	6	8			156	7	10			153	6	7		
.051	135	8	9			126	7	8			123	8	11			138	9	10			143	9	14			138	10	7		
.160	112	9	10			95	13	14			91	14	15			117	11	20			123	10	17			116	11	10		
.495	92	8	12			76	18	13			92	8	31			97	9	24			99	12	19			96	10	9		
2.5	68	7	7			55	8	7			41	10	6			52	19	14			67	14	17			73	7	8		
5	59	6	6			50	9	7			39	17	12			48	17	15			62	8	13			62	9	7		
10	37	11	6			34	12	6			28	14	9			37	11	12			47	8	7			42	9	6		
*** 20	18	3	0			18	2	0			20	5	3			21	7	4			23	8	6			18	4	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 = ratia of median ta lawer decile in db

V_{dm} = median deviation of average voltage in db belaw mean pawer

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

*** No December Data

USCOMM-NBS-DC

RN-14

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Rabat, Morocco Lat. 33.9N Long. 6.8W Season Winter (Dec. Jan. Feb.) 19 61-62

	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	4			154	3	3			150	3	4			151	3	4			151	4	2			153	3	2		
.051	129	4	4			127	5	4			112	6	6			112	8	7			116	6	6			126	4	4		
.160	114	6	6			109	5	6			97	6	8			97	8	10			103	8	9			110	7	6		
.493	85	8	6			76	10	6			61	10	5			59	11	4			73	8	6			84	6	4		
2.5	56	7	7			57	8	6			42	8	6			41	10	6			50	10	6			57	10	7		
5	54	5	4			54	4	5			36	7	7			31	7	7			46	6	5			52	5	4		
10	38	6	6			37	7	5			36	6	7			34	6	6			40	6	6			40	6	5		
20	22	2	2			26	3	4			31	8	6			28	4	4			25	6	3			23	2	2		

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

USCOMM-NBS-EL

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Thule, Greenland Lat. 76.6N Long. 68.7W Season Winter (Dec. Jan. Feb.) 19 61-62

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
*** .013	159	4	7	3.0	5.5	159	4	6	3.0	5.5	160	4	6	2.5	5.0	160	2	3	3.0	5.5	160	3	4	2.5	5.5	160	3	4	3.0	5.5
.051	120	3	3	3.5	6.5	125	2	3	3.5	6.5	123	3	3	3.5	6.5	118	2	3	4.0	7.0	118	2	2	3.5	6.0	118	2	3	3.5	6.0
.160	91	4	8	6.5	12.0	97	8	10	7.5	8.5	93	6	6	7.5	12.0	91			8.5	13.0	90	7	6	6.5	11.0	91	5	10	7.0	11.5
** .495	73	3	7	6.0	10.0	78	5	5	7.0	11.0	79	5	5	7.0	10.0	72	5	7	6.5	10.0	72	3	7	6.5	10.0	72	4	8	6.0	10.0
2.5	54					56					56					54					53					53				
5	47	12	6			49	10	6			43					43	14	4			45	10	6			44	13	5		
10	28	10	6			30	6	6			29	3	8			29	7	8			31	7	6			28	8	6		
*** 20	27	4	1			27	4	0			27	2	0			27					27					26	3	1		

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

*** No December Data

** No February Data

USCOMM-NBS-BL

RN-14

THE NATIONAL BUREAU OF STANDARDS

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

WASHINGTON, D.C.

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

Metrology. Photometry and Colorimetry. Refratometry. 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. Computer Technology. Measurements Automation. Engineering Applications. Systems Analysis.

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

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

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

Office of Weights and Measures.

BOULDER, COLO.

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

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

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

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

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

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


NBS