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NBS

Technical Note

No. 18-6

Boulder Laboratories

QUARTERLY RADIO NOISE DATA - MARCH, APRIL, MAY 1960

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

U. S. DEPARTMENT OF COMMERCE
NATIONAL BUREAU OF STANDARDS

THE NATIONAL BUREAU OF STANDARDS

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NATIONAL BUREAU OF STANDARDS

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October 19, 1960

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MARCH, APRIL, MAY 1960

by

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

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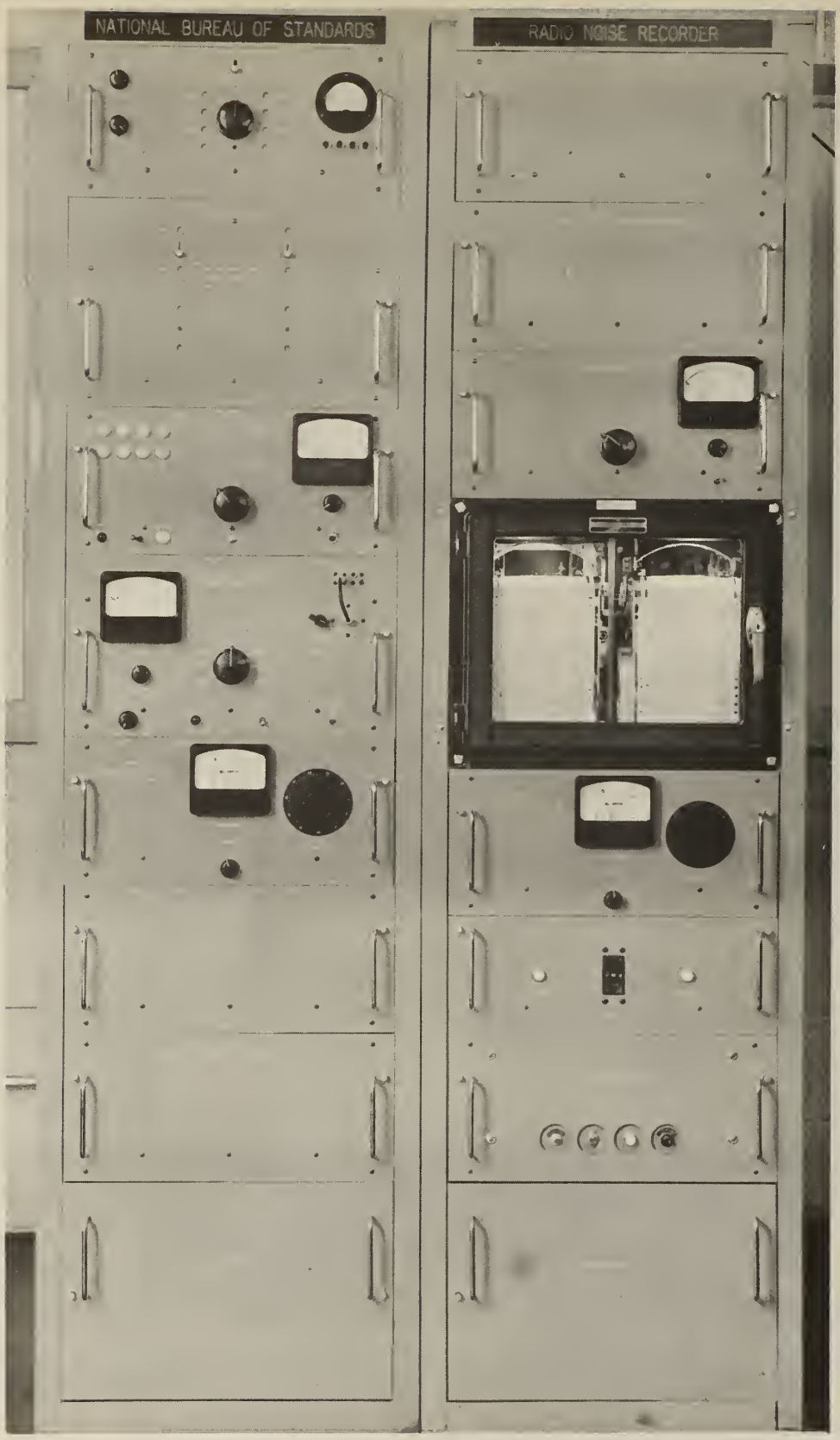
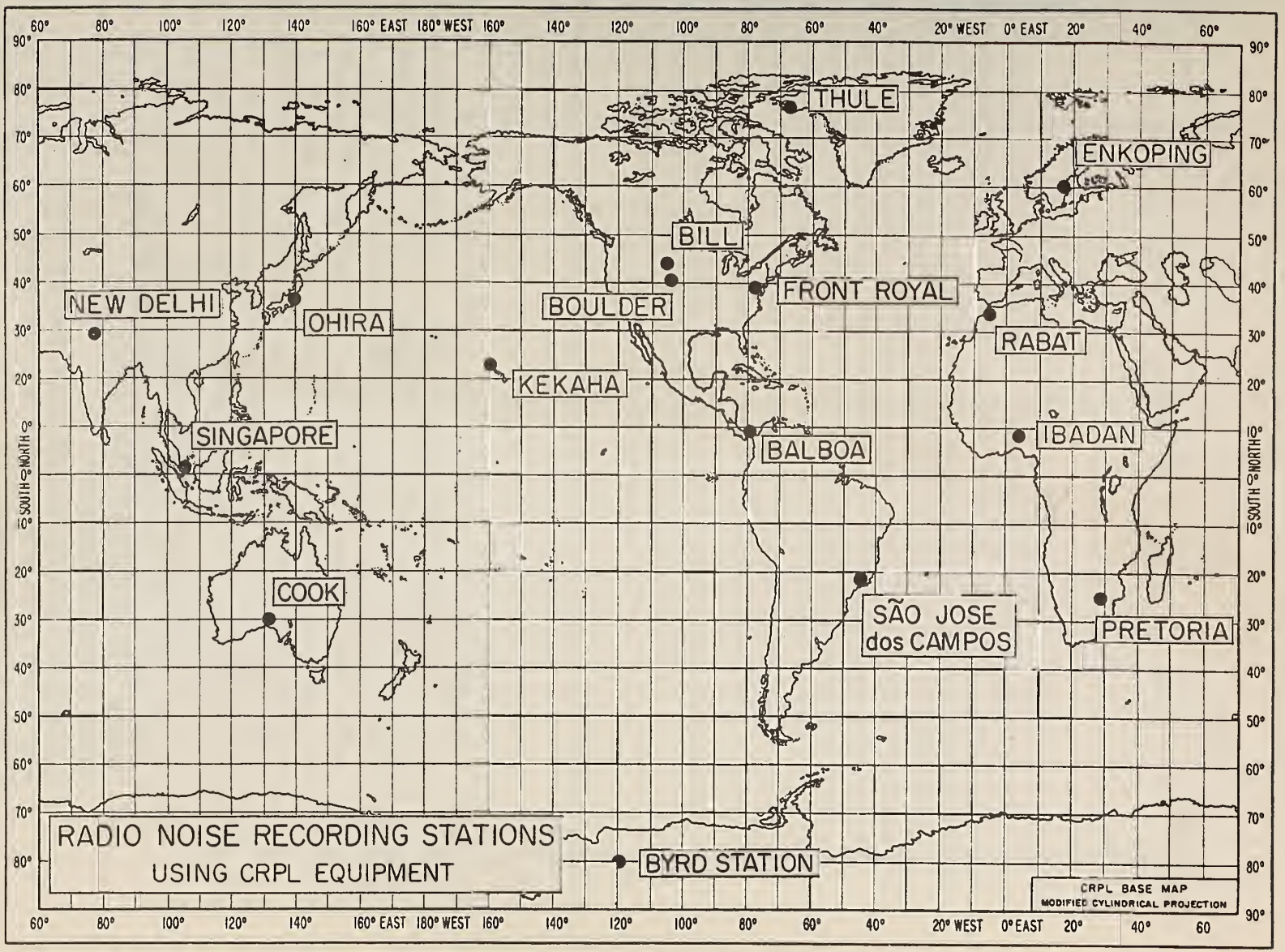
Radio Noise Recording Station



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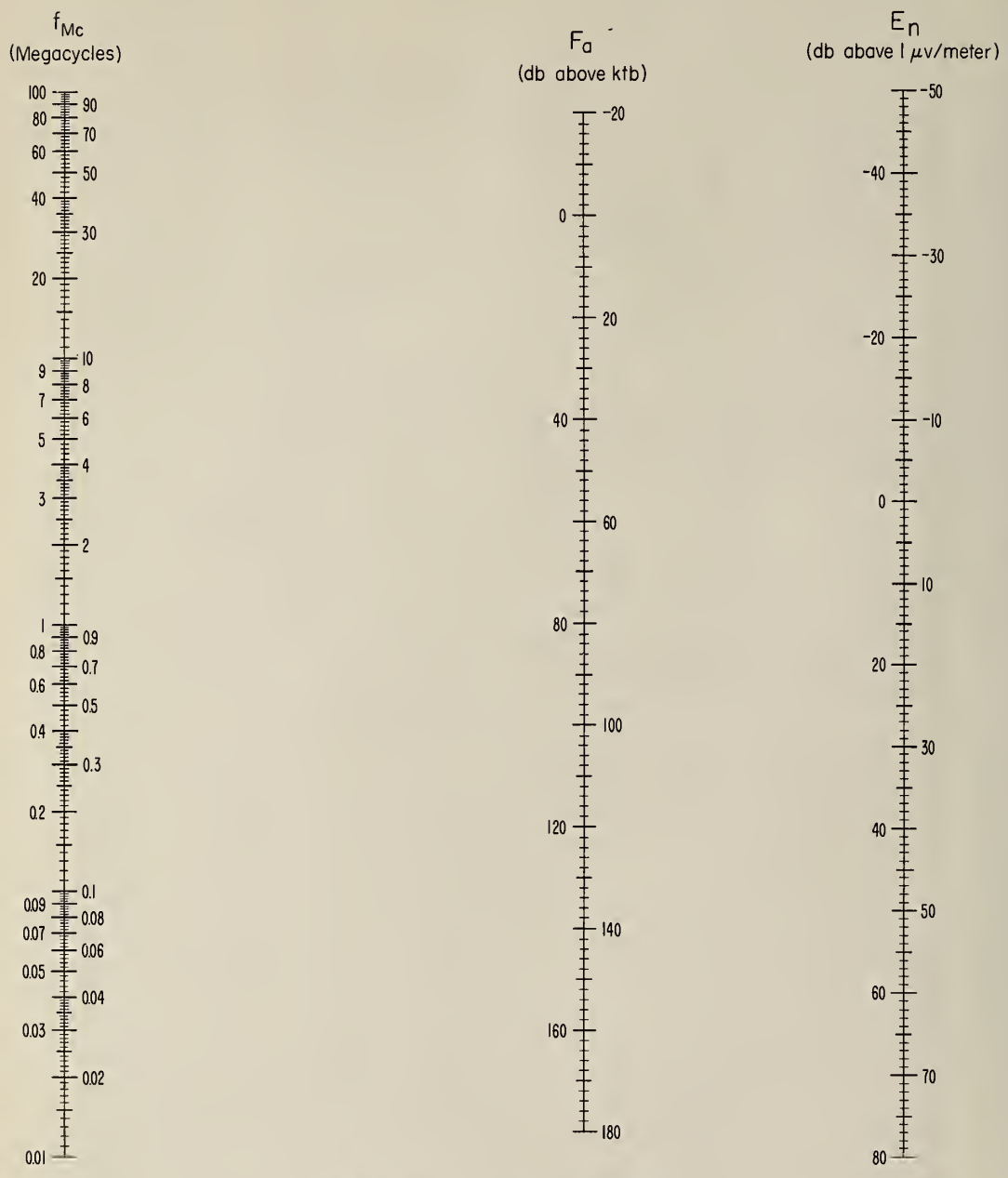
COOK
SÃO JOSE
dos CAMPOS
PRETORIA
BYRD STATION
RADIO NOISE RECORDING STATIONS
USING CRPL EQUIPMENT
CRPL BASE MAP
MODIFIED CYLINDRICAL PROJECTION

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



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

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

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

f_{Mc} = Frequency in Megacycles.

Radio Noise Data for the Season March, April, May 1960

Radio noise measurements are being made at sixteen stations in a world-wide network supervised by the National Bureau of Standards (see map). The results of these measurements for the period March, April, May 1960 are presented in the attached tables. These are based on three parameters of the noise: (1) the mean power, (2) the mean envelope voltage, and (3) the mean logarithm of the envelope voltage. The mean power averaged over a period of several minutes is the basic parameter and is expressed as an effective antenna noise figure, F_a. F_a is defined as the noise power available from an equivalent lossless antenna in db above ktb (the thermal noise power available from a passive resistance) where

k = Boltzman's constant (1.38×10^{-23} joules per degree Kelvin)
t = Absolute room temperature (taken as 288^{o} K)
b = Bandwidth in cycles per second.

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

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

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

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

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

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

where

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

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

The nomogram given may be used for this conversion.

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

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

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

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

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

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

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

Postmaster General's Department (Australia) - Cook

Board of Telecommunications (Sweden) - Enkoping

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

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

Radio Research Laboratories (Japan) - Ohira

Telecommunications Research Laboratory (South Africa) - Pretoria

Institut Scientifique Chérifien (Morocco) - Rabat

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

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

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

The following publications contain additional information on radio noise:

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

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

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

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

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

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

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

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

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

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

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

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

Station	Data	Time Zone	To Convert LST to GMT (hours)
Balboa	March, April, May 1960	75 W	+05
Bill	March 1960	105 W	+07
Boulder	March, April, May 1960	105 W	+07
Byrd Station	March, April, May 1960	120 W	+08
Cook	March, April, May 1960	135 E	-09
Enkoping	March, April, May 1960	15 E	-01
Front Royal	March, April, May 1960	75 W	+05
Kekaha	March, April, May 1960	150 W	+10
New Delhi	March, April, May 1960	75 E	-05
Ohira	March, April, May 1960	135 E	-09
Pretoria	March, April, May 1960	30 E	-02
Rabat	March, April, May 1960	GMT	0
São José dos Campos	March, April, May 1960	45 W	+03
Singapore	March, April, May 1960	105 E	-07
Thule	March, April, May 1960	75 W	+05

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

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

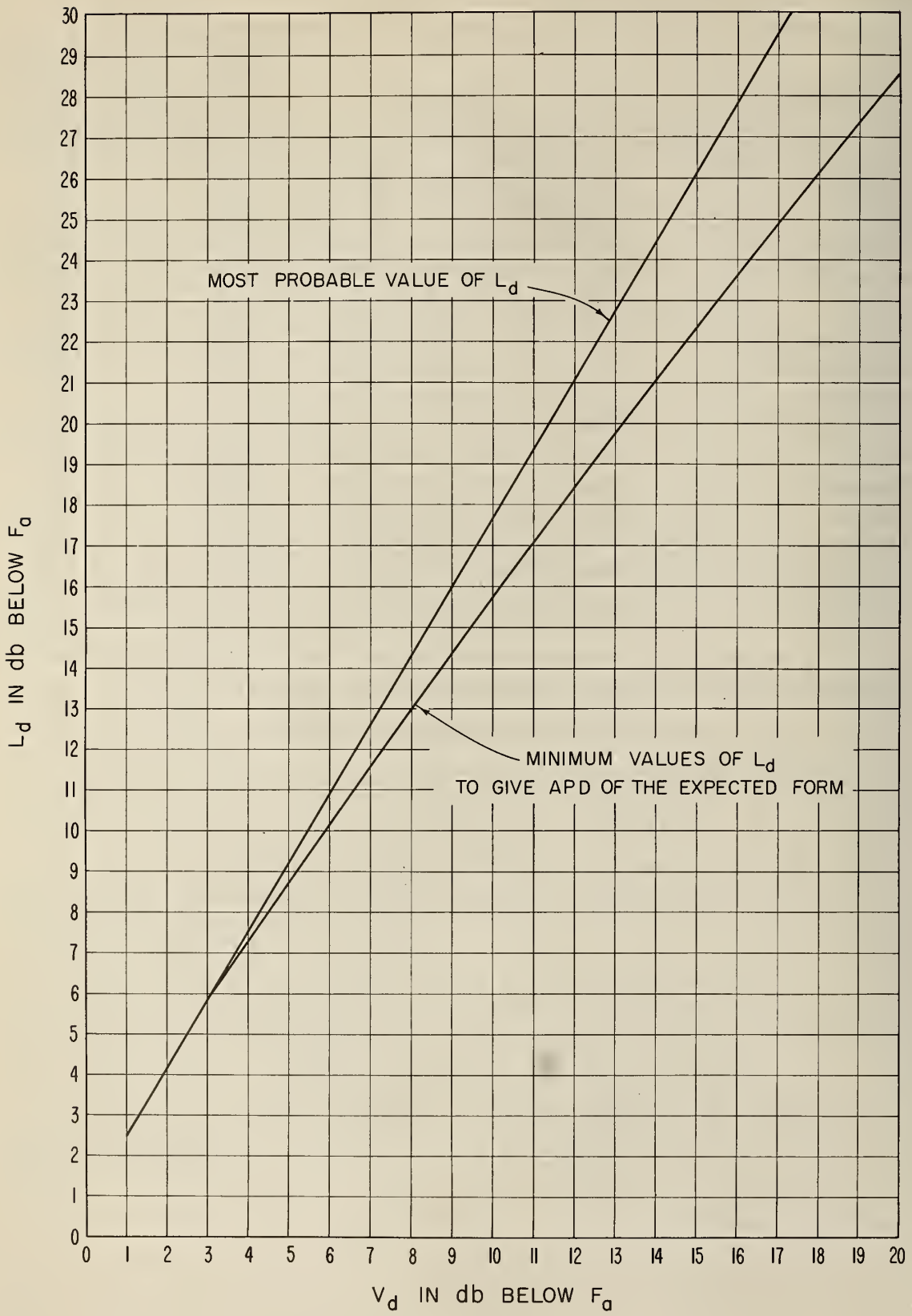
18-2 March, April, May 1959

18-3 June, July, August 1959

18-4 September, October, November 1959

18-5 December, January, February 1959-60

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 March 19 60

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160										2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm
00	169	3	3	10.0	15.5*	139	6	4	6.0	11.0	117	7	3	9.0	16.0						65	8	8	7.0	13.0	60	6	2	4.0	8.0	48	4	4	*7.0	+11.0	29	4	5	3.0	5.5
01	169	3	5	*9.0	*14.0	139	6	4	11.0	17.0	118	10	4	8.0	13.5						67	4	6	6.5	13.0	60	6	2	6.0	10.5	48	2	3	5.0	10.0	26	4	1	2.0	3.5
02	169	5	3	11.0	16.0	139	10	4	8.0	14.5	118	12	6	6.0	11.5						67	6	4	6.5	13.5	62	4	5	5.5	9.0	46	4	4	5.5	8.5	25	4	1	1.0	3.0
03	170	6	4	9.5	15.0	141	6	8	11.0	17.5	118	10	6	6.5	12.0						69	5	6	6.0	12.0	60	4	4	5.5	10.0	44	6	5	6.0	9.0	25	2	2	1.0	2.5
04	170	6	4	*9.0	*14.0	139	10	2	*6.0	+12.0	116	12	4	*5.0	+9.0						69	4	5	*6.0	*13.5	60	4	4	6.0	10.0	44	8	6	5.0	8.0	25	2	2	1.0	2.5
05	170	6	2	*9.5	*14.5	139	8	2	*8.5	*15.5	*116			*9.5	*17.5						69	3	4	7.0	15.0	60	4	4	5.5	10.0	42	4	6	5.0	9.0	25	2	2	1.0	2.5
06	170	6	0	*9.0	*14.0	133	10	4	*8.0	*15.5	110	16	18	*13.5	*23.0						62	9	5	9.0	15.5	57	4	4	*5.0	*9.0	44	4	4	4.0	8.0	27	4	2	2.0	3.5
07	*168			10.5	15.0	*131			10.5	17.5	*111			*11.5	*22.5						47	13	12	*10.0	*16.0	46	8	6	*8.0	*12.5	40	6	4	5.0	9.0	28	3	3	3.0	4.5
08	168	8	4	*9.5	*14.5	*130			*12.0	*20.0	*106			*10.0	*19.5						39	15	12	*6.0	*9.0	37	11	11	*8.0	*12.0	34	6	4	6.5	11.0	27	4	2	3.0	5.0
09	*168			*10.0	*15.0	*128			*11.5	*19.0	*104			*10.0	*19.0						33	17	10	7.0	11.0	30	10	10	*3.0	*6.0	30	6	10	*9.0	*13.0	25	6	2	3.0	5.0
10	*168			9.5	15.5	*131			10.0	17.5	*102			*8.0	*15.5						31	16	6	*5.0	*8.0	26	10	4	*6.0	*9.0	26	8	8	*8.5	*13.0	27	4	4	4.0	7.0
11	167	7	3	*11.0	*16.0	131	10	8	10.0	18.0	103	13	11	11.0	19.5						29	17	4	*6.5	*10.0	24	8	4	*8.0	*11.0	24	7	8	5.0	9.0	25	4	3	3.0	5.0
12	169	5	3	9.0	15.0	133	8	6	10.0	18.0	104	12	14	*8.0	*15.0						27	10	4	3.5	5.0	22	8	2	*2.5	*4.0	24	8	8	6.0	9.0	27	4	4	3.5	6.0
13	170	6	2	9.0	15.0	137	6	8	*8.0	*13.5	106	22	12	8.0	14.0						29	18	4	*5.0	*8.0	24	12	4	*8.0	*10.0	27	9	7	6.0	10.0	27	4	2	4.0	6.5
14	172	6	4	8.0	13.0	137	9	6	*8.0	*14.0	107	23	7	8.0	13.0						31	26	6	*6.5	*11.0	27	16	5	*5.5	*8.0	32	8	8	*5.5	*9.0	29	4	2	3.0	5.0
15	172	6	2	7.5	12.0	137	8	4	7.5	12.0	107	21	7	10.0	16.5						30	27	5	6.5	10.0	33	13	7	5.5	9.5	35	6	5	6.5	11.0	31	3	5	3.5	5.5
16	172	2	2	7.5	12.0	137	8	4	8.5	14.0	110	14	12	*9.5	*16.5						35	15	7	*5.5	*9.5	38	8	8	5.5	9.0	40	6	8	5.0	8.5	31	4	3	3.0	5.5
17	172	4	4	9.0	13.0	133	11	4	*8.0	13.5	108	14	12	14.5	23.0						42	10	5	4.5	8.0	47	5	4	5.0	9.0	46	4	4	4.5	7.0	31	4	2	3.0	5.0
18	168	6	2	9.5	14.5	133	9	4	*8.0	14.0	112	8	8	7.0	14.0						53	8	4	5.5	10.0	56	4	2	6.0	10.0	48	4	2	5.0	8.5	31	4	2	3.0	5.0
19	170	4	4	9.0	14.0	139	6	8	9.0	13.5	118	4	6	7.0	13.0						63	6	5	5.5	10.0	60	4	2	*6.0	*10.0	48	5	3	5.0	8.5	31	3	4	3.0	5.0
20	168	4	2	9.0	13.5	137	6	2	7.0	12.0	118	6	6	6.5	10.0						63	6	5	5.5	10.5	60	4	3	4.5	7.5	48	5	4	5.5	10.0	31	4	4	3.5	5.5
21	168	4	4	8.0	13.5	139	6	4	7.0	12.0	118	7	4	5.0	10.0						63	6	6	5.5	11.0	62	5	6	*4.0	*7.0	46	4	2	*5.0	8.5	27	5	2	3.5	5.0
22	170	4	4	8.5	13.5	137	8	2	7.0	13.0	118	8	4	6.0	11.0						63	6	5	6.5	11.5	60	6	4	*6.0	*10.0	48	6	4	6.0	9.0	27	6	2	3.0	5.0
23	168	4	2	10.0	14.0	137	8	2	7.0	12.5	118	8	6	5.0	11.0						63	8	4	7.0	13.0	60	5	4	4.0	7.5	46	6	1	5.0	9.0	29	2	4	3.0	5.0

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	168	7	4	11.0	18.5	143	5	7	8.0	14.0	123	7	8	7.0	12.0	100	9	6	7.5	14.5
01	169	7	6	10.5	18.0	143	9	6	9.5	16.5	123	11	7	7.0	14.0	98	14	6	7.0	11.5
02	170	10	5	10.5	17.5	144	10	9	8.5	15.0	121	13	6	7.5	13.5	100	12	7	7.5	14.0
03	170	9	5	11.5	18.5	144	9	7	11.0	19.0	123	12	7	9.0	17.5	100	10	7	8.0	15.5
04	171	9	6	12.0	20.0	144	10	6	8.5	15.0	124	8	9	9.0	17.5	102	6	12	9.0	17.5
05	171	9	6	12.0	19.0	144	9	7	11.0	20.5	123	9	14	10.0	19.0	100	8	14	11.5	22.5
06	170	9	5	11.0	18.0	140	11	10	11.0	20.0	121	9	19	13.5	26.0	100	7	21	13.5	26.5
07	169	9	4	11.0	18.0	138	12	8	10.5	20.0	121	8	18	14.0	23.5	102	6	20	12.0	24.5
08	169	8	4	12.0	18.5	140	10	13	14.0	24.5	119	10	19	13.5	23.5	99	7	23	14.0	25.0
09	169	8	4	12.0	20.0	138	8	10	11.5	20.0	117	10	17	11.0	19.5	98	8	26	11.0	23.0
10	168	9	4	11.0	17.0	138	9	10	14.5	23.5	115	12	18	13.0	24.0	92	14	24	12.0	25.5
11	169	6	6	11.0	17.0	136	10	6	12.0	19.0	115	12	16	13.0	24.0	92	17	23	11.0	21.5
12	171	6	6	14.0	21.5	140	12	8	11.5	20.5	116	18	15	14.0	25.0	94	20	16	13.5	24.0
13	171	9	4	10.0	17.5	140	14	6	11.5	19.0	119	16	15	13.0	22.5	94	25	17	11.0	21.5
14	173	8	4	9.0	16.0	142	14	6	10.5	17.0	119	18	14	12.0	22.0	95	21	17	12.0	19.0
15	173	9	4	10.5	17.0	142	14	6	9.5	16.0	119	18	13	11.0	19.0	96	18	12	10.0	18.0
16	173	6	2	9.0	14.0	142	10	6	9.5	15.0	118	15	9	11.0	19.0	96	18	14	10.0	20.5
17	171	10	2	9.5	15.0	141	13	7	9.5	17.5	117	16	8	10.5	18.0	96	15	14	10.5	18.5
18	171	4	4	9.0	15.0	140	6	6	11.0	19.0	117	10	8	9.0	16.0	96	8	8	7.0	13.0
19	170	6	4	9.0	15.0	140	9	4	8.5	14.5	121	8	7	7.5	13.5	98	8	8	7.5	13.0
20	170	7	6	9.0	14.0	142	7	5	8.0	13.5	121	9	5	6.0	11.5	98	7	6	6.0	12.5
21	169	7	4	9.0	15.5	142	7	4	6.5	11.5	121	7	4	6.5	11.0	100	8	6	6.0	12.5
22	169	8	5	8.5	14.5	142	10	4	7.0	13.0	121	10	4	5.5	10.0	98	10	4	6.5	12.0
23	169	7	6	9.0	16.0	142	8	7	8.0	13.5	123	8	7	6.0	11.0	100	6	6	7.0	13.5

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	67	5	6	6.0	13.0	62	2	9	4.0	8.0	48	4	2	5.0	9.0	27	6	3	3.0	4.5
01	67	8	6	5.0	10.5	62	4	8	5.0	10.0	48	4	3	4.5	8.0	25	8	2	2.0	4.0
02	67	10	7	5.0	10.5	62	5	8	5.5	11.0	46	6	4	5.0	9.0	27	9	4	2.0	4.0
03	69	9	7	6.0	14.0	62	5	6	5.5	11.0	46	6	4	4.0	7.5	25	9	2	2.0	3.5
04	71	7	8	6.5	13.0	62	5	8	4.5	9.0	46	3	4	6.0	10.0	25	8	2	2.0	3.5
05	71	7	8	6.0	13.0	62	4	9	6.0	11.0	44	4	3	5.0	9.0	25	6	2	2.0	3.0
06	63	9	15	8.5	17.0	56	7	10	6.0	11.0	44	4	4	5.0	9.0	27	2	4	2.0	4.0
07	53	11	13	11.5	19.0	48	11	13	8.0	15.5	41	6	5	6.0	10.5	25	4	2	3.0	5.0
08	50	14	17	9.0	17.5	44	10	18	8.0	16.0	38	6	6	7.5	13.0	25	5	2	2.5	5.0
09	51	8	26	8.0	16.5	38	8	12	9.0	15.5	34	6	6	8.0	13.0	23	4	2	3.5	6.0
10	47	10	22	9.5	20.0	32	14	14	5.0	12.5	31	7	10	6.0	10.0	23	5	3	3.0	5.0
11	39	20	14	4.5	5.0	30	18	10	5.0	8.0	30	8	10	6.0	12.0	23	8	2	3.5	6.0
12	36	29	11	6.5	10.0	31	31	11	11.0	16.0	30	18	8	6.5	10.5	25	10	4	3.5	5.5
13	41	34	15	7.0	11.0	34	32	12	5.5	10.0	34	18	8	7.0	12.0	27	13	4	3.0	5.5
14	47	38	18			41	25	17	7.5	13.0	37	13	7	6.5	12.0	29	10	4	3.0	5.0
15	43	30	16	10.0	14.0	36	33	8	6.0	10.0	40	13	6	5.5	10.0	29	6	2	2.5	5.0
16	47	28	12	7.5	13.0	43	18	9	7.0	12.0	42	7	4	5.5	9.5	29	6	3	3.0	5.0
17	49	22	14	6.5	11.5	48	15	5	5.0	9.0	44	7	2	3.5	7.0	29	7	2	3.5	6.0
18	53	14	4	4.5	10.0	56	8	2	4.5	8.5	48	2	4	4.5	8.5	29	3	5	3.0	5.5
19	63	8	4	6.5	14.0	60	6	4	4.0	7.0	48	2	5	4.5	8.0	29	3	6	3.0	5.5
20	65	8	4	5.0	10.5	60	6	2	4.0	7.5	48	3	4	4.0	8.0	27	6	2	3.0	5.5
21	67	7	4	5.0	11.5	62	4	5	4.0	8.0	50	0	4	3.5	8.0	27	5	4	3.0	5.5
22	67	6	4	4.5	9.5	62	3	4	5.0	11.0	50	2	4	4.5	8.0	27	6	4	3.0	5.5
23	67	5	5	5.0	11.0	62	3	8	5.0	10.0	48	4	4	4.0	7.5	27	5	4	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 Balboa, Canal Zone Lat. 9.0 N Long. 79.5 W Month May 1960

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	180	6	4	10.0	19.0	148	8	4	10.0	17.0	129	4	6	6.0	14.0	103	8	4	6.5	14.0	72	4	4	6.0	11.0	63	2	2	*4.0	*8.0	51	4	2	*4.5	*8.0	30	5	4	*4.5	*7.0
01	181	5	3	10.0	18.0	148	6	2	8.5	15.0	129	6	6	7.0	13.5	123	8	4	6.5	14.0	72	5	3	*5.5	*9.5	63	4	3	4.0	9.0	51	4	3	4.0	8.0	29	4	3	5.0	7.0
02	182	6	4	11.0	19.0	148	8	2	9.0	17.0	129	5	6	5.0	8.5	104	9	5	7.0	14.0	72	4	5	6.0	11.5	64	3	3	3.0	6.0	51	3	12	4.5	8.0	28	6	4	4.0	6.0
03	182	6	4	11.0	18.0	150	6	6	9.5	17.5	127	8	4	6.5	12.0	105	6	6	6.5	13.0	74	2	6	5.5	10.5	65	2	4	5.0	9.0	51	2	4	5.0	8.5	28	6	3	*4.0	*8.0
04	182	6	4	11.0	19.5	149	7	5	9.0	14.5	127	8	4	7.0	13.0	102	10	5	9.5	17.5	72	4	4	5.5	10.0	63	4	2	5.0	8.0	51	0	6	*4.5	*8.0	28	6	4	5.0	7.0
05	180	8	2	10.0	18.0	146	10	2	8.0	16.0	123	10	4	11.0	21.0	99	10	6	15.0	28.0	72	4	4	6.0	11.0	63	2	4	*4.5	*8.5	47	4	4	5.0	9.0	26	6	2	*2.5	*4.0
06	180	6	4	11.5	18.5	144	10	4	14.0	24.0	123	8	6	17.0	29.0	99	10	9	16.0	29.5	64	6	6	*9.5	*17.5	57	6	4	*7.5	*13.0	45	4	2	*5.5	*9.5	27	3	3	*3.0	*4.5
07	180	4	6	12.0	18.0	144	8	8	17.0	26.0	123	11	8			99	10	15	17.0	26.5	58	12	10	*11.5	*18.0	51	6	6	9.5	17.5	41	2	2	*7.0	*12.0	28	4	4	*3.5	*6.0
08	180	6	6	13.0	20.0	144	8	10	17.0	25.5	125	9	12	18.5	30.0	101	8	20			55	13	17	*12.5	*23.0	47	12	10	*11.0	*18.5	37	8	4	*6.5	*12.5	28	4	4	*3.5	*5.5
09	179	5	7	13.0	20.0	144	8	10	13.0	22.0	121	12	10	19.0	>30.0	99	10	22	>16.0	>24.0	53	14	21	*13.0	*22.0	43	16	14	*13.0	*20.0	35	10	6	*10.0	*17.0	26	6	4	3.5	6.0
10	178	8	6	13.0	20.0	142	10	8	15.0	24.0	120	14	12	19.0	>30.0	97	12	20	>20.0	>30.0	44	24	13	*11.0	*19.5	38	19	11	*10.0	*20.0	35	12	7	11.0	18.5	25	9	3	3.5	7.0
11	178	8	5	13.5	21.5	142	15	9	13.0	24.5	125	12	19	>18.5	>29.5	102	17	26	17.0	>30.0	50	20	20	*13.5	*25.0	40	23	15	*12.5	*22.0	37	18	10	*3.0	*5.0	26	15	14	*7.0	*12.0
12	182	6	10	13.5	21.5	148	8	10	15.0	25.5	129	8	20	16.5	29.5	104	11	20	14.0	29.0	58	17	28	*3.0	*5.5	45	24	17	*14.0	*24.0	39	15	8	*4.0	*7.0	30	10	6	*10.0	*13.5
13	182	8	4	12.0	21.0	150	8	10	15.0	25.0	131	10	12	14.0	28.0	107	13	14	15.0	>27.0	68	16	30	*11.0	*13.5	55	14	22	*13.5	*21.0	43	14	7	*12.0	*20.5	30	13	2	*6.0	*10.0
14	184	6	4	12.5	23.0	150	8	8	15.5	25.0	131	10	14	11.5	23.0	107	10	18	13.5	25.0	65	17	25	*20.0	*30.0	55	17	18	*13.5	*18.0	45	13	8	*10.0	*17.0	32	10	4	*6.0	*8.5
15	184	6	4	8.0	14.0	148	9	7	11.0	20.0	129	8	12	14.0	24.5	105	12	18	10.0	20.0	64	16	20	*11.5	*23.0	55	18	16	*10.0	*18.5	45	9	6	8.0	13.5	32	8	2	4.0	6.5
16	182	6	2	10.0	18.0	148	8	8	10.5	19.0	129	5	15	11.5	22.0	103	8	17	14.0	23.0	62	18	18	*10.5	*19.5	53	11	9	*9.0	*15.0	47	5	6	5.5	9.0	32	5	1	3.5	6.0
17	182	4	4	10.5	18.0	144	8	4	12.0	21.0	125	6	12	14.0	26.5	97	10	12	14.0	25.5	60	11	11	*9.5	*18.0	55	8	4	*7.0	*12.0	49	2	4	4.0	7.0	32	2	2	3.0	6.0
18	180	4	4	11.5	18.5	144	6	8	13.0	22.0	123	8	10	10.0	19.0	97	9	8	9.0	18.5	64	4	8	7.5	13.5	61	3	4	*5.0	*9.0	51	1	4	3.0	6.0	32	2	4	3.0	5.5
19	180	4	4	11.0	19.0	144	4	4	9.5	18.0	125	6	6	7.0	14.0	99	8	6	6.5	14.0	70	2	6	*6.0	*12.0	63	3	4	*4.0	*8.0	51	2	2	3.0	6.0	30	4	3	4.0	6.5
20	182	2	6	10.5	18.0	144	6	4	8.0	16.0	125	4	6	7.0	14.5	101	4	8	6.5	14.0	70	4	4	5.0	9.5	63	4	2	4.0	7.0	51	4	2	3.0	6.0	30	4	4	4.0	6.0
21	180	4	4	11.0	19.0	147	3	5	10.5	19.0	127	2	6	5.0	11.0	102	5	9	6.0	13.0	70	4	4	5.0	9.0	65	2	5	*5.5	*9.0	51	4	2	*4.0	*8.0	30	4	4	4.0	7.0
22	182	2	6	12.0	20.0	146	6	2	10.0	18.5	127	4	6	11.0	18.5	103	4	6	6.0	14.0	70	4	3	5.0	9.0	63	4	4	*4.0	*7.0	53	2	5	3.5	7.0	30	5	4	4.0	6.0
23	182	4	6	12.5	20.5	148	4	6	9.5	18.5	127	6	6	3.0	7.0	103	8	6	6.0	11.0	70	5	2	5.0	9.0	63	4	3	4.0	7.0	51	4	2	5.0	9.0	32	4	7	4.5	7.0

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

Frequency (Mc)

Hour (LST)	.051					.113					.246				
	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}*	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}
00	127	2	12			105					93	6	14		
01	125	6	8			105					89	12	14		
02	127	4	8			107					91	8	10		
03	127	2	6			107					91	4	12		
04	125	4	8			105					85	12	8		
05	119	12	4			95					79	12	12		
06	117	14	10			83					71	16	6		
07	113	14	14			83					73	8	10		
08	*108					79					73	10	8		
09	111	10	12			77					71	12	8		
10	*113					79					*71				
11	*113					77					*73				
12	*114					77					*73				
13	*112					77					*69				
14	115	22	16			79					72	23	9		
15	117	16	14			82					73	24	8		
16	113	20	17			81					73	22	8		
17	120	15	23			89					79	19	10		
18	117	20	14			101					88	17	15		
19	123	15	12			103					87	21	10		
20	126	12	15			103					90	16	18		
21	125	10	14			105					92	11	18		
22	125	10	11			107					90	17	9		
23	127	6	12			105					93	17	12		

Hour (LST)	.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}
00	84	8	8			57	6	8			52	6	6			39	6	7			22	4	10		
01	82	12	8			55	7	9			52	4	4			41	4	8			24	2	2		
02	82	8	8			55	10	4			52	4	4			39	4	8			24	2	2		
03	82	10	12			55	8	8			52	6	4			37	8	8			24	2	2		
04	72	20	8			52	12	7			52	4	8			35	6	6			24	2	2		
05	62	14	6			47	11	4			51	5	5			35	4	6			24	2	2		
06	52	10	6			45	6	10			48	4	6			36	5	6			26	4	2		
07	54	10	4			27	12	4			32	6	4			33	4	6			28	2	4		
08	54	8	8			25	4	4			26	4	4			27	7	2			26	4	2		
09	56	6	8			23	4	4			22	4	2			26	6	5			26	4	4		
10	*56					21	6	2			22	2	4			23	8	4			28	2	5		
11	*54					23	2	2			22	2	3			23	8	2			28	2	3		
12	*56					21	4	0			20	4	2			23	9	2			28	5	2		
13	*58					23	4	3			20	6	2			27	4	5			29	10	3		
14	58	10	12			23	4	4			22	6	2			27	4	2			30	4	4		
15	56	8	10			23	4	2			24	5	4			31	4	4			30	4	2		
16	59	7	11			27	2	4			28	7	7			35	4	4			30	4	2		
17	62	18	10			33	8	8			38	8	6			39	4	10			32	2	6		
18	71	15	13			44	13	7			46	8	6			39	4	8			30	2	6		
19	79	13	17			47	14	6			48	6	8			39	4	2			24	6	2		
20	79	15	11			48	12	6			48	8	7			41	4	6			23	3	3		
21	83	11	13			51	8	6			48	8	4			39	6	4			22	4	2		
22	83	11	9			54	9	7			51	5	5			41	4	6			22	4	2		
23	86	8	12			53	10	8			50	6	4			40	4	6			22	4	2		

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

D_u = ratio of upper decile to median in db

D_l = ratio of median to lower decile in db

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

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495										5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	150	6	2	11.0	16.5	123	8	6	9.5	16.0	97	14	6	7.5	12.5	81	12	5	6.5	14.5						57	4	4	5.0	8.0	48	5	3	*5.0	*8.0	25	2	2	1.0	2.5
01	152	4	3	10.5	16.5	124	7	6	12.5	19.5	97	11	9	11.5	17.5	82	12	8	10.0	16.0						57	4	4	4.0	8.5	49	2	5	2.0	4.0	25	2	2	1.0	2.0
02	152	4	3	11.0	17.0	125	9	8	11.0	17.5	100	11	9	11.0	18.5	80	10	8	*9.0	*15.0						57	4	4	5.0	7.0	49	6	4	4.0	7.0	25	2	2	*1.0	*2.0
03	152	6	4	11.0	18.0	125	10	6	11.0	18.0	98	12	9	11.5	19.0	80	10	10	8.5	16.0						57	4	4	4.0	7.5	47	4	4	2.0	4.0	25	2	2	*1.0	*3.5
04	152	4	4	11.5	18.0	123	10	4	*10.5	*18.0	97	12	12	11.0	20.5	74	14	10	*8.5	*15.0						57	2	4	4.0	7.0	45	6	4	*3.5	6.0	25	2	2	*2.0	*4.0
05	150	4	2	12.0	18.0	123	6	6	11.5	18.0	87	16	8	10.0	15.5	64	12	2	*6.0	*9.5						55	4	4	4.0	8.0	45	3	4	*3.5	6.5	27	2	4	*4.0	*5.5
06	148	6	2	12.0	18.0	119	6	8	*12.5	*21.0	75	24	6	9.0	14.0	62	6	4	5.0	8.0						51	6	4	4.0	7.0	43	4	2	2.5	5.5	29	4	4	2.0	3.5
07	146	6	2	12.0	17.0	113	8	6	*9.0	*15.5	71	22	6	4.0	6.5	62	6	4	4.0	6.0						41	6	4	2.0	3.5	39	6	2	3.0	4.0	29	4	4	2.0	3.5
08	146	9	2	*10.5	*15.0	108	15	7	9.5	16.0	76	19	11	11.5	16.5	62	8	4	*4.0	*7.0						39	2	4	2.0	3.0	35	7	4	2.0	4.0	27	5	2	3.5	5.0
09	146	8	3	*11.5	*16.5	107	18	6	*12.5	*20.5	*75			7.5	10.0	64	5	5	*6.5	*9.5						39	4	4	*6.5	*3.5	*32			*2.0	*3.0	27	5	2	2.5	3.5
10	146	7	2	*10.5	*15.0	108	16	7	*14.5	*21.0	75	19	8	11.5	19.0	64	8	5	*6.0	*8.5						39	4	3	2.0	3.0	31	6	4	*2.5	*4.0	27	4	2	2.0	3.5
11	148	6	2	9.5	16.0	112	12	9	*11.0	*16.0	75	20	10	6.5	10.0	63	7	5	*5.0	*8.5						39	4	4	2.0	3.5	29	6	2	2.0	3.0	27	6	2	*3.0	*4.0
12	148	6	3	9.0	13.5	109	14	4	*13.5	*20.0	75	17	8	4.0	9.0	64	8	6	*3.0	*5.0						40	3	5	2.0	3.5	31	8	4	*2.5	*3.5	29	7	4	2.5	4.0
13	148	8	2	9.5	14.0	112	15	9	13.5	19.5	75	21	9	9.5	13.0	64	10	6	3.5	7.0						39	4	2	2.0	3.5	31	15	4	2.0	4.5	29	7	4	*2.5	*4.0
14	148	6	2	9.5	14.0	111	14	8	*8.5	*14.0	73	16	6	10.0	14.0	64	10	6	*3.5	*8.5						39	8	3	2.0	3.5	33	14	4	*3.0	*4.5	29	6	2	2.0	3.0
15	148	8	4	10.0	15.0	111	12	10	11.0	17.0	81	22	14	6.5	10.0	67	5	7	*3.0	*5.0						39	4	4	1.5	3.0	37	4	4	3.5	5.0	29	4	2	2.0	4.0
16	146	10	2	12.0	18.0	110	16	13	*12.0	*20.0	81	18	14	9.0	14.0	62	12	4	*6.5	*12.0						41	8	2	2.0	3.5	43	4	4	3.0	5.0	31	4	4	*3.5	*5.5
17	146	8	4	11.5	17.0	109	20	6	*12.5	*19.0	84	21	16	4.5	6.0	70	8	10	*6.5	*12.0						45	4	2	2.5	3.5	47	6	4	2.5	4.5	31	4	2	*2.0	*3.0
18	146	10	2	11.0	18.5	117	10	6	10.0	17.0	95	15	15	10.0	18.5	68	13	6	4.0	6.5						51	6	4	3.5	6.0	48	3	3	5.0	8.5	29	4	4	2.0	4.0
19	148	9	3	11.0	17.5	121	13	5	10.0	15.5	97	16	15	8.5	15.0	74	16	8	*8.0	*12.5						53	8	4	4.5	8.0	47	3	2	4.0	7.0	25	4	2	2.0	3.5
20	148	10	2	13.0	19.5	122	16	5	8.0	15.0	97	17	13	12.0	19.0	77	14	7	*5.0	*9.0						55	10	6	5.0	8.0	49	2	4	3.5	6.5	25	6	2	2.0	3.0
21	146	7	2	12.0	18.0	123	12	6	10.5	17.0	96	16	12	11.5	18.0	78	14	4	*8.5	*15.0						55	8	4	5.5	8.0	47	4	2	4.5	7.0	25	4	4	1.5	3.0
22	150	5	4	12.5	19.5	123	12	5	*8.0	*15.0	98	14	9	9.5	19.0	82	10	6	*8.5	*14.5						55	6	4	5.0	9.0	49	2	4	5.0	9.0	25	2	2	2.0	2.5
23	150	6	4	11.0	17.5	123	10	5	8.5	16.0	101	10	11	10.0	17.5	80	14	4	8.5	14.5						55	6	2	5.5	10.0	49	2	2	6.0	8.5	25	0	2	1.5	2.5

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Hour (LST)	Frequency (Mc)																																							
	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	140	8	5	*11.5	*19.0	126	13	9	12.0	21.5	106	12	17	*7.5	*15.5	85	13	13	5.5	11.0	63	10	14	6.0	12.0	55	5	3	6.0	10.0	46	5	12	3.5	6.0	25	2	2	1.5	3.0
01	143	4	8	*12.0	*20.0	124	14	7	12.0	22.0	101	16	12	*7.0	*15.5	81	16	10	5.0	9.0	61	12	12	7.0	10.0	54	7	4	3.0	6.0	46	5	12	4.0	7.0	25	2	2	1.0	2.5
02	141	8	6	11.5	18.0	128	8	9	14.0	21.5	104	12	12	10.0	17.5	81	16	9	8.0	12.0	59	12	12	4.5	7.0	*54			7.0	10.5	44	9	11	4.5	6.0	25	2	2	1.0	2.5
03	141	8	4	12.5	20.0	122	17	7	12.0	22.5	104	11	15	9.0	18.5	81	6	8	7.0	12.0	60	9	11	5.5	8.0	52	6	4	6.5	10.0	44	4	12	4.0	5.5	25	2	2	1.5	3.0
04	141	8	8	12.0	19.5	122	15	7	12.5	21.0	98	9	17	*11.0	17.0	73	11	7	6.0	10.0	55	14	10	5.0	6.0	50	8	8	5.0	8.0	40	8	8	5.5	7.5	25	2	2	1.5	2.5
05	139	10	4	13.0	20.5	117	17	6	12.0	22.0	90	12	18	*7.0	11.5	65	8	6	3.0	6.5	51	6	6	3.0	5.5	50	2	6	4.0	6.5	40	6	6	4.5	7.0	25	2	2	1.5	3.0
06	137	12	5	9.5	16.0	*110			12.0	20.0	87	14	17	*3.5	*4.5	65	6	4	1.5	3.0	47	5	4			*41			4.0	6.0	38	6	6	3.0	4.0	25	4	2	1.5	3.0
07	137	6	5	10.5	17.0	112	16	15	14.5	22.0	82	24	13	*6.0	*9.0	63	8	2	1.5	4.0	47	2	4	2.5	3.0	40	2	8	4.0	6.0	34	4	4	3.0	4.5	27	0	4	2.0	4.0
08	137	11	6	12.0	17.0	*109			11.0	20.0	80	25	11	*3.0	*5.0	*65			1.0	3.0	*45			1.0	2.0	*40			4.0	6.0	30	10	1	3.5	4.5	25	2	2	2.0	3.0
09	*137			12.0	17.0	*114			13.0	22.0	*79			*11.0	*17.5	*65			2.0	4.5	*47					*40			4.0	5.5	*30			4.5	6.0	*26			1.5	3.0
10	*138			13.0	19.5	*113			14.0	23.0	*91			*11.0	*14.5	*67			2.0	4.0	*47			1.0	2.0	*41			2.0	4.0	*30			4.0	7.5	27	1	3	2.0	3.0
11	139	10	6	11.5	17.5	*120			12.0	20.5	*93			*5.0	8.0	69	10	6	2.0	4.5	*47			2.0	4.5	*40			2.0	3.5	30	12	4	3.0	4.0	*27			4.0	5.5
12	143	6	4	10.5	18.0	*122			12.0	20.0	87	14	16	*6.5	*10.5	67	11	6	4.0	6.0	*47			1.0	2.0	*41			2.5	4.0	*30			4.0	6.0	27	2	2	4.5	5.0
13	141	8	4	10.0	16.0	117	15	9	8.5	17.5	95	14	22	*9.0	*16.0	65	10	2	2.0	4.0	*47			1.0	2.0	*40			2.0	3.5	*30			5.5	8.0	27	4	2	4.0	6.0
14	141	10	4	10.0	16.0	124	12	16	8.5	16.5	97	14	27	*6.5	*9.0	71	8	8	2.0	4.5	*49			5.0	8.0	*41			7.0	12.0	*34			2.5	5.0	29	4	4	3.5	5.0
15	141	12	4	6.0	8.5	*118			10.0	17.5	97	14	28	*6.0	*9.5	69	10	6	2.0	4.0	*47			3.0	7.0	*42			3.0	5.5	38	8	8	4.0	8.0	*29			4.0	6.0
16	141	9	6	11.0	17.5	119	16	14	13.0	19.5	99	12	25	*6.0	*7.0	71	24	7	2.0	5.0	*48			6.0	7.0	*42			4.5	7.0	42	7	8	4.5	7.5	29	6	4	4.0	5.5
17	141	10	6	9.0	15.0	122	13	20	12.0	19.0	*94			7.5	10.0	71	15	8	2.0	5.0	*49			2.5	4.0	44	8	2	3.5	5.5	42	10	12	5.0	8.0	29	4	4	3.0	5.5
18	143	7	8	9.5	16.0	124	12	18	9.0	16.5	105	10	23	*6.0	*11.0	74	17	8	3.0	7.0	*55			4.0	7.0	*51			5.0	7.5	46	8	6	5.5	8.5	31	4	6	4.5	6.0
19	142	11	7	10.0	17.0	124	14	13	11.5	20.0	103	15	17	*9.5	*16.5	81	16	18	3.5	6.0	*72			4.0	7.5	*54			6.0	9.5	46	10	5	4.5	7.5	25	7	1	3.5	4.5
20	142	11	7	11.0	18.5	125	14	10	9.5	18.0	99	22	15	8.5	16.5	83	14	14	3.5	8.0	63	10	14	5.0	7.0	54	12	10	6.0	11.0	46	8	10	4.5	7.5	25	4	2	2.0	3.0
21	141	12	6	10.5	19.0	126	13	11	11.0	19.0	109	10	21	*7.0	*12.5	86	11	19	4.5	9.0	62	11	11	4.0	8.5	54	10	4	6.0	10.0	48	6	6	4.5	8.0	25	5	2	1.5	3.0
22	141	8	6	10.0	17.0	126	13	11	11.0	18.5	105	14	18	*9.0	*18.0	89	8	17	6.0	10.0	*65			4.0	8.5	54	10	10	7.0	11.5	47	8	14	5.0	8.0	25	2	2	1.5	2.5
23	*140			12.0	19.0	126	12	10	12.5	24.5	103	14	13	*10.0	*19.5	89	8	17	5.5	10.0	*59			3.5	5.5	*55			7.0	12.0	45	7	12	4.5	6.5	25	2	2	1.5	2.5

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1 N Long. 105.1 W Month May 1960

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	160	8	8	7.5	16.0	135	10	10	6.5	16.5	117	6	17	5.0	14.0	89	12	16	3.5	10.0
01	159	8	6	8.0	16.5	136	8	10	7.5	16.5	113	11	10	6.0	15.0	89	8	12	3.5	9.5
02	158	9	6	9.0	17.5	137	7	12	3.0	6.5	111	10	8	3.0	13.0	88	11	12	4.0	11.5
03	155	11	4	9.0	18.0	131	10	8	8.5	19.0	110	11	14	5.0	13.5	87	12	13	4.5	13.5
04	158	7	8	9.0	18.5	127	9	10	9.0	16.0	98	17	20	7.0	18.0	72	10	11	6.0	13.0
05	154	9	6	9.0	18.0	124	8	9	7.0	19.0	*95					71	5	11	13.0	24.0
06	153	7	7	7.5	18.0	125	6	13	10.5	19.5	91	19	21	7.0	15.0	65	11	5	2.0	2.5
07	*154			8.0	20.5	123	9	16	10.5	20.0	88	19	21	6.0	16.0	63	6	4	4.0	9.5
08	*154			10.0	20.0	125	4	16	10.5	21.0	*93			10.0	21.0	65	6	6	6.5	16.5
09	*150			10.0	17.0	*123			7.0	13.0	*83			9.0	15.5	*63			6.5	16.0
10	*156					*117			12.0	21.0	*94					65	16	4	4.5	11.0
11	*160			10.0	18.0	*128			12.0	20.0	98	13	25	5.0	12.0	*68			10.0	19.5
12	160	9	8	12.5	19.5	*129			7.5	16.0	102	24	27	5.0	21.5	69	44	8	5.5	11.0
13	160	10	10	9.0	17.5	130	12	10	9.0	18.0	103	26	25	4.0	10.5	72	42	9	6.5	14.5
14	162	7	11	8.5	16.0	132	19	8	9.0	17.0	103	24	25	6.5	13.5	87	24	24	6.5	14.0
15	162	21	6	7.0	14.0	136	15	17	6.0	14.0	117	18	37	4.0	9.5	93	21	30	4.5	14.5
16	162	8	12	8.0	15.0	137	12	18	6.0	14.0	119	23	24	5.5	12.0	91	23	28	3.5	6.0
17	162	9	8	4.0	10.0	135	14	13	4.5	11.0	117	11	28	5.0	12.0	85	26	24	3.5	9.0
18	161	7	12	7.5	16.0	134	15	12	5.5	11.0	117	11	30	5.0	21.5	85	26	23	7.5	14.0
19	163	6	10	7.0	15.5	128	23	5	8.5	18.0	115	11	21	4.5	12.0	87	16	21		
20	160	8	11	7.5	15.0	137	10	12	8.0	17.5	117	11	25	3.5	10.0	91	11	19	4.0	10.0
21	162	8	9	7.5	17.0	139	7	14	4.5	14.5	115	13	10	4.5	12.0	87	12	10	4.0	9.0
22	160	7	10	8.5	16.0	137	7	11	8.5	13.5	116	9	24	3.0	10.5	89	12	12	3.0	10.5
23	160	6	9	8.5	17.5	135	9	8	5.0	15.5	117	7	16	6.0	15.0	92	8	19	4.5	11.5

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	*66					60					*45					*24				
01	*68					60					*43					*24				
02	*71					60					*45					*24				
03	*68					58					*41					*24				
04	*50					52					*41					*26				
05	*44					43					*39					*26				
06	*46					44					*37					*26				
07	*44					40					*30					*26				
08	*44					40					*31					*26				
09	*46					37					*27					*24				
10	*51					36					*27					*24				
11	*46					38					*33					*26				
12	*46					40					*38					*30				
13	*49					45					*37					*26				
14	*50					45					*43					*26				
15	*50					47					*39					*26				
16	50	32	8			48					*44					28	12	2		
17	*58					49					45	6	12			*28				
18	*60					49					*46					*28				
19	*64					56					*50					*27				
20	*64					59					*47					*26				
21	69	9	15			60					*46					*26				
22	*70					60					*45					*26				
23	*66					62					*45					*24				

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 March 1960

Frequency (Mc)

Hour (LST)	.051 Fam	.051 Du	.051 Dℓ	.051 Vdm	.051 Ldm	.113 Fam	.113 Du	.113 Dℓ	.113 Vdm	.113 Ldm	.246 Fam	.246 Du	.246 Dℓ	.246 Vdm	.246 Ldm	.545 Fam	.545 Du	.545 Dℓ	.545 Vdm	.545 Ldm
00	108	4	6			82					61					56	8	8		
01	108	4	4			82					61					52	12	6		
02	106	6	4			80	10	10			61	3	4			50	10	4		
03	106	4	4			78					61					50				
04	104	8	2			80										54				
05	104	5	4			79					64	13	5			54	6	4		
06	102	4	4			75	5	5			64	13	7			54	12	6		
07	100	4	4			75	9	9			61	16	6			52	12	8		
08	100	4	4			75	11	11			64	15	9			50	14	8		
09	97	4	4			76	14	14			61					54	10	6		
10	97	4	2			74					62					58	6	9		
11	97	5	2			78					63	14	6			58	4	7		
12	97	5	3			78					63					58	8	12		
13	98	6	2			76					63	8	8			56	6	6		
14	98	4	2			76					65					55	7	7		
15	100	4	4			72					61					50				
16	102	4	4			70					59									
17	102	5	5			79					62					54	1	4		
18	102	8	4			70					63					54	9	3		
19	102	14	2			78	10	6			61					54	7	4		
20	106	8	6			78	14	4			65					57	4	7		
21	106	10	2			81					61	3	4			56	7	8		
22	107	7	3			80	10	4			63	4	6			54	7	6		
23	107	7	5			83	7	3			61	4	2			52	10	4		

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	26	12	6			38	6	16			30	3	10			17	2	12		
01	26	10	6			34	10	9			23	10	3			17	2	2		
02	26	6	6			28	6	16			23	8	5			17	2	2		
03	24	11	3			26	15	5			23	7	6			17	2	2		
04	25	7	5			24	18	7			22	8	7			17	2	2		
05	24	6	4			26	18	12			23	7	0			17	2	2		
06	22	6	2			22	18	6			21	7	4			17	2	2		
07	22	4	4			18	12	4			20	6	7			17	2	2		
08	22	4	4			28	8	6			20	7	5			17	2	0		
09	20	5	2			18	9	6			21	4	6			17	2	0		
10	22	6	3			18	20	4			20	5	5			17	2	0		
11	22	6	3			20	8	6			21	2	6			17	2	0		
12	30	3	3			22	6	6			23	2	2			18	0	2		
13	24	5	6			26	4	6			23	4	3			17	2	0		
14	22	8	4			27	5	9			25	3	3			19	0	2		
15	24	6	6			31	6	10			26	6	4			19	1	2		
16	26	4	4			31	10	10			28	3	9			19	2	2		
17	24	4	5			36	6	12			28	5	6			19	0	2		
18	24	4	6			34	10	12			26	6	4			19	0	2		
19	22	6	3			37	13	15			29	7	5			19	2	2		
20	24	10	4			36	8	6			29	5	10			17	2	0		
21	26	6	6			34	9	7			27	5	8			17	2	0		
22	24	8	4			36	8	14			27	5	6			19	0	2		
23	26	4	6			35	9	9			26	5	6			17	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 Byrd Station, Ant. Lat. 80.0 S Long. 120.0 W Month April 1960

Hour (LST)	Frequency (Mc)																																	
	.051					.113					.246					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	103	6	4			78	7	3			60	8	3			59	4	8			24	2	0			32	4	10			30	7	5			19	2	0		
01	103	4	4			79	4	4			62	3	5⁻			57	4	4			25⁻	1	2			30	4	8			27	6	9			19	1	0		
02	103	2	2			79	4	6			60	8	3			55⁻	5	2			25⁻	1	2			26	5⁻	7			28	7	10			19	2	0		
03	103	10	4			*77					*61					*59					24	2	1			26	5⁻	7			28	6	11			19	2	2		
04	*105⁻					*75⁻					*62					*59					*24					22	9	4			27	8	11			19	2	2		
05	103	8	6			79	2	4			*62					56	5⁻	5⁻			24	2	2			21	6	4			28	6	12			19	2	2		
06	103	6	3			77	6	2			62	4	6			57	4	4			24	3	2			22	10	2			28	5⁻	13			19	2	2		
07	104	5	6			77	6	2			60	8	4			*55⁻					*24					*24					28	5⁻	14			19	2	2		
08	103	10	6			77	3	4			62	4	4			57	2	5⁻			24	2	4			20	2	3			28	6	14			19	2	0		
09	101	8	5⁻			76	6	5⁻			61	5⁻	5⁻			58	2	6			24	1	2			20	8	2			24	10	10			19	2	0		
10	101	6	3			77	8	4			62	6	5⁻			57	6	4			27	2	0			21	10	5⁻			24	8	10			19	2	2		
11	99	4	4			77	6	4			60	6	4			57	4	4			23	3	1			20	10	4			26	6	12			19	2	2		
12	99	3	3			77	2	4			62	6	4			59	5⁻	6			25⁻	3	2			25⁻	11	9			24	4	10			19	2	2		
13	99	2	4			77	4	5⁻			62	8	3			59	3	6			25⁻	4	0			26	12	8			26	4	11			19	2	2		
14	98	4	1			77	4	4			62	6	6			57	4	4			24	4	2			27	7	10			26	4	9			21	0	4		
15	*101					*81										*59					26	2	2			28	9	7			26	5⁻	9			19	2	2		
16	*99					*77										*57					26	4	4			28	6	9			27	7	6			19	2	2		
17	101	4	4			77	2	5⁻				5⁻	3			57	4	2			24	2	0			27	7	7			26	8	8			19	2	0		
18	101	6	4			81	3	6			62	6	6			57	4	3			26	2	2			29	10	11			28	6	13			19	2	2		
19	102	3	5⁻			79	3	4			61	6	3			57	5⁻	4			25⁻	4	1			26	15⁻	6			28	6	13			19	2	2		
20	103	2	4			76	5⁻	4			60	5⁻	3			58	6	5⁻			24	2	2			28	9	8			28	6	11			19	2	0		
21	103	2	5⁻			77	6	3			62	6	4			59	6	6			26	1	3			26	12	4			28	8	12			19	2	0		
22	103	2	3			79	6	4			60	6	2			55⁻	8	2			24	4	0			30	8	8			30	7	16			19	2	2		
23	103	4	4			77	8	4			61	7	7			59	4	7			24	2	0			32	4	11			30	5⁻	14			19	2	2		

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Hour (LST)	Frequency (Mc)																																					
	.051					.113					.246					.545					2.5					5					10					20				
	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm
00	103	6	2			77	6	14			63		2			55	6	6			29	3	3			28	12	8			22	8	5			19	2	0		
01	105	2	2			79	5	5			63	7	4			57	13	4			29	4	8			23	17	3			21	7	4			19	2	0		
02	105	1	2			77	6	2			63		2			57	3	6			29	4	3			25	17	5			20	8	5			19	2	2		
03	103	4	2			*77					*65										29	4	2			27	15	9			20	8	3			19	2	2		
04	*102																				29	5	2			24	18	5			18	10	6			19	2	0		
05	103	4	6			77	8	2			*63					57	7	6			29	2	2			22	20	3			21	5	7			19	2	2		
06	103	4	4			77	7	3			63	4				57	4	6			*29					22	14	4			17	9	7			19	2	2		
07	103	4	4			*79					65	1				*57					*29					24	12	6			19	8	8			19	2	0		
08	101	5	1			*77					*65					55	6	3			27	6	2			24	12	5			22	2	8			19	2	0		
09	101	6	3			*79					*65					*57					27	4	2			24	10	6			22	2	7			19	2	0		
10	101	6	4			*81					*63					59	0	8			27	4	2			22	8	8			22	2	3			19	2	0		
11	101	6	4			*81					*65					57	4	4			29	4	4			27	7	6			22	2	4			19	2	0		
12	101	2	4			*79					*64					57	4	4			27	6	2			26	10	5			22	0	4			19	2	0		
13	101	3	4			*77					63		2			51	4	4			29	5	4			28		5			22	3	3			19	2	0		
14	99	4	4								*63					57	2	6			29	5	2			27	7	6			22	2	5			21	1	2		
15	101	4	6																		29	7	3			30	5	10			23	1	5			21	1	2		
16	*101										*65					59	0				29	5	2			28	10	4			22	3	6			19	2	0		
17	99	6	0			78		3			*65					59	4	6			27	7	1			30	8	8			22	4	7			19	2	0		
18	103	2	6			77		4			65		4			57	8	4			27	6	0			32	8	10			22	4	7			19	2	0		
19	103	2	6			*77					*64					57	8	6			27	4	2			30	9	12			22	4	9			19	2	0		
20	103	4	4			77		4			64		3			57	6	6			29	2	2			27	13	7			24	2	11			19	2	2		
21	103	2	2			77		0			*63					55	8	4			29	2	2			35	15	5			24	4	13			19	2	0		
22	103	4	4			77		2			*65					55	6	4			29	2	2			28	12	8			23	3	8			19	2	0		
23	103	4	2			77		2			*65					57	6	6			29	4	2			32	8	12			24	4	8			19	2	0		

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013					.051					.160					.545				
	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}
00	158	4	2	8.5	12.5	132	4	4	11.5	19.0	109	5	6	9.0	15.5	91	4	6	8.5	17.0
01	158	2	2	8.0	14.0	132	4	4	10.0	16.5	109	7	6	10.5	18.0	89	6	6	*9.0	*18.0
02	158	2	2	8.0	13.0	132	4	4	11.0	16.5	107	6	5	13.0	20.5	85	10	2	10.0	19.0
03	158	4	2	8.5	14.0	132	4	4	11.5	17.0	109	5	8	10.0	16.0	87	6	5	*11.5	*20.0
04	158	4	2	9.0	15.0	131	5	3	11.0	16.5	109	4	9	11.5	19.5	89	6	9	*9.5	*20.0
05	158	2	2	10.0	16.0	130	5	3	11.5	17.0	107	6	7	*11.0	*20.0	83	8	16	*13.5	*22.0
06	158	5	4	10.5	15.5	126	6	8	12.0	18.0	97	10	16	*16.0	*25.0	57	24	12	*15.0	*26.0
07	156	4	5	11.0	16.5	120	12	6	11.5	19.5	90	16	19	*13.0	*25.0	53	28	10	*15.5	*24.5
08	154	4	3	12.0	17.0	118	9	8	*14.0	*22.0	81	19	16	*13.5	*25.5	49	30	6	*11.0	*21.0
09	154	6	4	12.0	17.0	118	11	10	14.0	21.5	87	15	21	*11.5	*23.0	53	20	6	*6.5	*11.5
10	154	4	6	12.5	20.5	118	9	9	15.0	22.5	84	18	16	*13.0	*21.5	51	12	4	*4.0	*8.0
11	152	6	2	14.0	21.0	120	6	11	*15.0	*23.0	87	8	16	14.5	24.5	51	16	7	*12.5	*20.0
12	154	4	7	13.5	21.0	120	5	8	12.0	21.0	85	14	17	15.5	22.0	51	14	4	*10.0	*16.0
13	156	4	3	11.5	18.0	120	8	6	12.5	20.5	89	11	12	9.0	18.5	49	16	4	*4.0	*6.0
14	156	2	4	11.5	18.0	124	4	7	11.0	18.5	93	10	12	9.5	17.5	51	26	8	*2.5	*5.0
15	*156			*10.5	*17.5	*125			*8.5	*15.0	*88			*16.5	*26.0	*48			*9.0	*14.0
16	*156			*11.0	*17.5	*119			*9.0	*16.0	*87			*20.0	*18.0	*48			*4.0	*5.0
17	*156			*9.5	*16.0	*128			*9.5	*15.5	*97			10.0	18.5	55	13	8	*8.0	*15.0
18	157	5	2	8.5	14.5	124	8	6	9.5	16.5	102	10	13	8.0	16.0	76	8	12	8.0	15.0
19	157	5	3	8.5	14.5	128	5	7	9.0	17.0	107	9	8	*8.5	*17.5	85	8	6	5.5	12.0
20	158	6	2	10.0	16.0	134	4	8	10.0	17.0	111	6	8	8.0	14.5	89	8	6	7.5	16.0
21	158	4	2	9.5	15.5	132	6	4	9.5	16.5	110	7	7	7.5	15.5	91	8	6	*6.0	*12.5
22	158	6	2	9.0	15.0	132	6	4	9.5	16.0	110	7	8	9.5	16.5	91	6	6	*8.0	*16.0
23	158	4	2	8.5	14.0	132	4	2	11.0	18.0	109	7	6	9.0	18.5	91	6	8	8.0	16.5

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	61	6	6	*8.5	*14.5	55	4	4	*5.0	*9.5	44	4	2	*3.5	*6.5	25	2	4	2.5	4.0
01	61	4	4	*6.5	*12.0	55	2	2	*4.5	*9.0	44	4	6	4.5	7.0	25	2	2	2.5	3.0
02	61	6	6	*7.0	*13.0	55	4	2	*6.0	*10.0	44	2	6	*4.5	*6.5	25	2	4	2.5	2.5
03	61	6	6	*7.5	*12.5	55	4	2	*5.5	*8.5	44	4	4	*4.0	*7.0	23	2	0	1.5	2.5
04	61	6	6	*7.0	*11.5	55	6	2	*5.5	*9.0	42	4	6	*4.5	*7.5	23	2	2	2.5	2.5
05	59	8	4	7.5	14.5	56	3	3	*5.5	*10.0	42	4	6	*4.0	*7.0	23	2	2	1.5	3.0
06	57	8	8	*6.5	*9.0	53	4	4	*4.5	*8.5	42	4	6	*4.0	*7.0	25	4	2	3.5	5.5
07	36	9	11	*7.0	*10.0	35	10	6	*4.5	*7.0	38	6	6	*5.0	*8.5	25	2	2	3.0	3.0
08	35	14	6	*4.0	*5.0	27	12	4	*8.0	*13.0	26	10	5	*6.0	*12.5	23	2	2	3.0	5.0
09	35	16	6	*4.0	*6.0	23	14	6	*6.5	*10.0	26	12	8	*5.5	*7.0	23	4	4	2.0	4.5
10	20	15	1	*9.0	*14.5	21	14	6	*5.0	*8.0	24	14	6	*4.0	*6.0	21	5	5	3.5	4.5
11	19	10	0	*6.0	*11.5	22	11	7	*5.0	*8.0	24	12	7	*5.0	*8.5	21	8	3	2.5	4.5
12	21	6	2	*6.5	*10.5	21	12	8	*5.0	*10.5	26	8	14	*8.5	*13.0	23	8	3	2.0	4.0
13	21	8	6	*2.0	*6.5	22	10	3	*2.0	*6.0	24	15	7	*4.0	*7.5	23	4	4	2.5	4.0
14	25	8	6	*2.5	*6.0	23	9	6	*3.5	*5.5	26	6	7	*8.5	*15.0	25	5	4	5.0	8.0
15	21	10	2			*27					*28			*4.0	*6.0	*25				
16	*27					*29			*3.5	*8.0	*32			*3.0	*4.5	*29				
17	*29			*5.0	*8.0	*47			*6.0	*9.0	*40			*4.5	*8.5	27	3	6	4.0	6.5
18	45	7	9	*3.0	*7.5	49	5	6	*4.0	*7.0	43	3	5	4.5	7.0	25	4	4	3.0	6.5
19	59	8	10	*4.5	*10.0	58	5	4	5.0	9.5	46	2	6	*4.0	*6.0	25	4	2	3.0	4.5
20	63	8	7	*6.0	*10.5	58	5	5	*5.0	*7.5	46	5	6	*4.5	*5.5	25	4	2	2.5	4.5
21	63	8	6	*6.0	*11.0	58	3	3	*5.0	*9.0	45	3	7	4.5	7.5	25	4	2	3.0	3.5
22	61	8	4	*6.0	*10.0	59	2	4	*5.0	*9.5	44	6	4	*4.0	*7.5	25	4	2	2.5	4.0
23	63	6	8	*7.0	*11.0	57	1	4	*5.5	*10.0	44	6	4	*5.0	*8.0	25	2	4	2.5	3.5

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013 F_{om}	.013 D_u	.013 D_ℓ	.013 V_{dm}	.013 L_{dm}	.051 F_{om}	.051 D_u	.051 D_ℓ	.051 V_{dm}*	.051 L_{dm}*	.160 F_{om}	.160 D_u	.160 D_ℓ	.160 V_{dm}	.160 L_{dm}	.545 F_{om}	.545 D_u	.545 D_ℓ	.545 V_{dm}*	.545 L_{dm}*
00	158	1	3	*8.0	*14.0	130	4	6	9.0	15.0	108	5	6	*7.0	*13.5	88	8	8	7.0	12.5
01	157	2	2	*8.0	*13.0	130	4	6	9.0	14.5	106	10	4	*7.5	15.0	84	10	4	6.0	11.0
02	157	2	2	8.5	13.0	130	4	4	8.5	14.0	106	8	5	*7.5	*15.0	84	8	4	7.5	13.0
03	157	2	4	*7.5	*12.0	130	4	6	8.0	13.0	[illegible]	8	6	9.0	15.5	82	14	4	9.0	15.5
04	158	3	5	*8.5	*13.5	130	4	12	10.0	16.0	104	8	4	*7.0	*12.0	84	10	6	4.5	8.0
05	157	2	4	*8.5	*14.5	128	6	2	8.5	13.0	104	8	6	*7.0	*16.5	80	14	2	10.0	17.0
06	157	2	2	*8.5	*14.0	128	3	8	7.0	13.0	96	8	10	*9.0	*14.5	54	20	10		
07	157	0	4	*8.0	*13.5	118	10	4	8.0	13.0	77	27	14	*9.5	*17.0	55	18	10	2.0	5.0
08	153	2	2	*10.0	*16.0	114	12	10	9.0	15.0	70	28	10			43	24	3	3.5	5.5
09	153	2	2	*11.0	*17.0	110	9	6	11.0	17.0	67	37	11			49	24	9	2.5	5.0
10	153	4	2	*12.5	*19.0	114	6	8	12.5	17.0	66	40	4	*11.0	*14.5	50	24	10	3.0	6.0
11	153	4	6	*13.0	*20.0	114	12	10	14.0	20.5	78	31	15	*8.5	*13.0	50	13	6		
12	153	5	6	*13.0	*19.5	116	14	12	14.0	21.0	72	25	7			52	24	6	2.5	4.5
13	153	4	6	*12.0	*19.0	113	10	7	14.0	21.5	76	32	14	*8.5	*13.0	52	26	4	3.0	5.5
14	155	5	6	*11.0	*16.5	120	16	18	11.0	19.0	86	27	18	*8.5	*12.5	56	21	15	6.0	9.0
15	153	6	2	*10.0	*18.0	*124			11.5	19.0	87	18	24			50	14	6	8.5	16.0
16	155	8	2	*8.5	*16.0	*120			10.5	17.0	89	22	11	*10.0	*18.0	56	30	16	12.0	19.0
17	155	5	2	*7.0	*12.5	122	8	6	8.0	15.5	94	18	17	*8.5	*17.5	76	8	10	7.5	15.0
18	155	4	7	*7.0	*12.0	122	10	8	10.0	18.0	102	10	13	*10.5	*19.5	82	10	10	7.5	16.0
19	155	4	2	*7.0	*12.5	130	4	12	10.0	17.0	106	8	14	8.0	17.0	86	10	6	5.5	13.0
20	157	2	3	*8.0	*13.0	130	6	6	9.0	15.0	107	9	9	*9.0	*15.0	88	8	6	5.0	10.5
21	157	2	4	*8.0	*13.0	130	3	7	7.5	14.0	106	9	5	*7.5	*13.5	90	5	6	5.0	10.0
22	158	2	5	8.0	12.5	130	6	1	8.5	15.0	106	8	6	*7.0	*14.0	90	6	10	8.0	14.0
23	157	2	4	*6.0	*10.0	130	5	5	8.0	14.0	107	7	5	7.5	13.0	88	8	6	6.0	11.0

Hour (LST)	2.5 F_{om}	2.5 D_u	2.5 D_ℓ	2.5 V_{dm}	2.5 L_{dm}	5 F_{om}	5 D_u	5 D_ℓ	5 V_{dm}	5 L_{dm}	10 F_{om}	10 D_u	10 D_ℓ	10 V_{dm}	10 L_{dm}	20 F_{om}	20 D_u	20 D_ℓ	20 V_{dm}	20 L_{dm}
00	53	11	5	7.5	14.0	48	6	6	5.5	10.0	40	4	3	3.5	7.0	22	4	4	*2.0	*4.0
01	52	10	3	7.5	12.5	47	7	7	6.5	11.0	40	3	6	3.5	6.5	22	2	4	*2.0	*3.5
02	50	10	2	*7.5	*13.0	46	7	6	7.0	10.5	38	4	4	4.0	6.5	22	2	4	*2.0	*4.0
03	52	8	6	7.5	12.5	48	8	6	6.0	10.0	38	4	4	4.0	7.0	20	2	2	*1.5	*3.0
04	48	4	4	*5.0	*9.5	48	8	6	5.0	8.5	38	2	4	4.0	6.5	22	2	2	*1.5	*3.0
05	50	12	5	7.5	14.5	48	8	4	5.0	9.0	36	5	4	3.5	5.5	22	2	2	*1.5	*3.0
06	46	18	6	6.5	12.5	48	4	6	6.5	10.0	36	2	4	3.0	6.0	22	2	2	*1.5	*3.0
07	32	16	8	*8.5	*14.0	36	8	10	5.0	8.0	25	5	4	4.5	7.0	22	4	4	*2.0	*3.5
08	24	17	6	*3.5	*7.5	23	14	6	4.0	7.5	28	9	4	*3.0	*5.5	22	4	6	*1.5	*4.0
09	21	9	3	2.0	10.5	22	11	7	*7.5	*11.0	24	10	8	*3.5	*4.5	20	6	4	*3.0	*5.0
10	18	17	0	*2.5	*9.0	22	12	6	*5.0	*7.5	24	11	12	*4.5	*7.0	18	8	2	*2.5	*5.5
11	18	11	0	*6.5	*10.5	28	6	4	*3.0	*5.0	22	8	12	*2.5	*17.0	18	6	4	*2.5	*5.0
12	18	3	0	*2.5	*4.0	18	4	4	*2.5	*5.5	22	6	12	*3.5	*10.0	18	6	4	*4.0	*7.0
13	18	5	0			20	12	7	*5.0	*8.5	22	6	10	*10.5	*9.0	18	4	2	*3.0	*6.0
14	18	19	0	*2.0	*4.5	20	4	4	*3.0	*5.0	24	10	5	*5.0	*10.5	20	2	4	*[illegible]	*5.0
15	18	8	0	*6.5	*6.0	24	4	8	*6.5	*7.0	26	10	8	*6.0	*9.0	20	6	4	*[illegible]	*[illegible]
16	26	11	8	*10.5	*10.0	33	6	10	*7.5	*13.5	34	8	4	5.0	7.5	22	5	[illegible]	*3.5	*6.0
17	38	11	10	*5.5	*10.0	36	12	5	5.0	10.5	38	5	6	4.5	8.0	24	4	4	*3.0	*6.0
18	50	12	12	7.0	14.0	44	12	4	6.0	11.0	40	6	5	5.0	8.5	22	6	2	*3.5	*6.5
19	54	12	6	7.0	14.0	50	8	8	6.0	12.0	40	4	4	4.5	8.0	22	5	2	*[illegible]	*[illegible]
20	58	8	8	7.0	13.0	50	10	8	6.5	11.0	40	4	5	4.5	7.5	24	2	6	*2.0	*4.0
21	55	11	7	8.0	16.0	52	7	6	4.0	9.5	40	2	5	4.0	7.0	22	4	2	*1.5	*3.5
22	56	10	6	8.5	12.5	52	6	6	*6.0	*11.5	40	5	4	4.5	7.5	22	4	3	2.0	4.0
23	54	11	5	8.0	14.5	49	7	7	*6.0	*10.5	40	4	4	3.5	7.0	22	4	2	*1.5	*3.0

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013					.051					.160					.545				
	F_{om}	D_u	D_l	V_{dm}	L_{dm}	F_{om}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{om}	D_u	D_l	V_{dm}	L_{dm}
00	156	2	4	6.0	10.5	127	2	4	7.0	11.5	103	5	8	7.0	13.5	80	6	26	5.5	10.0
01	156	2	4	6.0	10.0	127	4	6	6.5	11.0	101	7	5	6.5	12.0	78	8	10	6.0	10.5
02	156	3	4	7.0	11.5	129	2	4	6.5	12.0	103	4	7	7.0	12.0	78	6	8	*6.5	*11.0
03	156	2	5	7.5	12.0	129	2	7	*7.0	*12.0	102	5	7	6.0	11.5	76	9	4	7.5	12.5
04	158	2	1	8.0	12.0	128	6	6	*8.0	*12.5	103	2	4	6.0	11.5	78	8	6	7.5	12.0
05	156	4	5	8.5	12.5	127	6	8	8.0	7.5	99	6	4	*7.0	*13.0	76	10	8	*8.0	*12.5
06	155	3	6	*8.0	*12.5	126	3	5	*8.0	*13.0	95	6	4	7.0	12.5	57	21	9	*7.0	*11.0
07	152	5	4	8.5	13.5	115	6	9	*7.0	*10.5	69	16	6	*10.0	*12.5	42	38	4	*3.0	*4.5
08	150	2	2	8.5	14.0	109	4	12	8.5	13.0	68	7	8	*6.5	*8.0	42	8	3	*2.5	*5.0
09	150	5	5	9.5	15.5	105	4	8	*11.0	*16.0	69	8	10	*16.5	*20.0	48	4	10	*5.0	*7.0
10	150	3	4	11.0	16.5	105	7	8	*15.0	*21.0	69	10	10	*9.5	*14.5	50	6	8	*4.0	*6.5
11	150	3	4	11.0	17.0	107	4	9	*13.5	*20.5	73	10	12	*6.0	*8.0	52	6	4	2.0	4.5
12	152	2	4	11.5	18.0	111	4	12	*13.0	*19.0	71	8	12	*10.0	*13.0	52	2	6	*1.5	4.0
13	150	3	5	*10.0	*16.5	111	4	11	*12.0	*19.0	71	8	6	*13.0	*17.0	54	4	5	*2.5	*4.5
14	152	3	4	10.0	16.0	*112			*10.0	*16.5	71	8	6	*10.5	*17.0	52	7	9	*2.0	*5.0
15	*152			*10.0	*16.0	*109			*9.5	*15.5	*67			*6.5	*9.0	*51			*2.5	*5.5
16	*153			*8.0	*13.5	*112			*9.5	*13.5	73	10	10	*12.0	*15.5	*59			*4.0	*8.5
17	150	6	3	*8.0	*14.0	111	11	8	*10.0	*15.0	87	10	13	*10.5	*15.0	76	4	8	*5.5	*11.5
18	152	4	4	7.0	12.0	117	10	4	*10.0	*15.0	91	12	8	*11.0	*19.0	78	10	8	*6.0	*15.0
19	154	4	4	7.5	12.0	121	6	6	*9.0	*16.0	97	5	8	*8.0	*15.5	82	8	11	*5.5	*11.5
20	155	3	3	6.5	12.0	125	6	8	8.5	13.0	97	10	8	8.0	15.0	84	4	11	*4.0	*8.0
21	156	2	4	7.0	11.5	126	3	7	8.0	14.0	97	10	7	7.0	12.5	86	2	7	*5.5	*9.5
22	156	2	4	6.5	11.0	127	4	6	*6.5	*10.5	99	8	6	6.0	11.5	82	4	6	*5.0	*9.5
23	154	4	3	*6.5	*10.0	127	2	6	8.5	15.0	99	10	7	7.0	11.0	82	4	6	6.0	10.0

Hour (LST)	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}
00	52	4	2	6.0	10.0	49	4	5	5.5	10.0	40	3	10	2.5	6.0	23	2	2	*2.5	*4.0
01	54	2	4	6.0	10.0	49	4	6	5.5	9.0	38	4	8	4.0	7.0	23	4	4	*1.5	*3.5
02	52	3	2	6.5	10.5	49	4	6	6.0	10.0	38	2	9	4.0	6.5	21	3	2	*2.0	*3.5
03	51	5	3	6.5	10.5	49	4	6	6.0	10.0	34	6	6	5.0	8.0	21	2	2	*2.0	*3.5
04	52	2	4	5.5	10.0	47	6	4	*6.5	*9.5	32	7	4	4.0	6.5	22	1	3	*2.0	*3.0
05	50	2	4	*7.0	*11.0	49	5	5	5.5	8.0	30	9	2	4.5	7.0	23	2	3	*1.5	*2.5
06	48	2	7	*6.0	*9.0	47	2	4	5.5	8.0	32	4	6	3.5	5.5	23	4	3	*2.0	*4.0
07	34	8	8	*8.5	*11.5	39	4	4	4.5	7.0	30	4	4	3.5	6.0	23	3	4	*3.0	*5.0
08	24	5	4	*6.0	*7.5	25	4	4	*6.5	*10.0	26	4	4	3.5	5.5	23	2	3	*4.0	*6.0
09	20	8	0	*5.5	*8.0	21	10	6	*5.5	*7.5	22	7	6	*2.5	*4.5	23	2	2	3.5	5.5
10	20	14	0	3.0	6.5	21	8	6	*4.0	*5.5	21	8	7	*2.5	*4.0	21	2	2	*3.0	*4.5
11	20	8	0	*5.0	*6.0	20	12	5	5.5	7.0	21	5	11	*4.0	*5.5	21	4	2		
12	20	6	0	*2.5	*4.5	19	10	4	3.0	5.0	20	4	10	*3.0	*4.5	21	2	4	*4.0	*4.5
13	20	2	0	*3.0	*4.0	19	12	4	*3.0	*5.0	22	8	10	4.5	6.5	21	5	2	*5.0	*7.5
14	20	4	0	*4.0	*5.5	21	14	6	*5.5	*7.5	22	10	8	*5.0	*7.0	21	4	3	*3.0	*6.0
15	20	10	0	*2.0	*4.0	19	18	6	*3.0	*4.5	*24			*5.5	*7.5	*21				
16	*21			*5.5	*7.0	*23			*4.0	*5.5	*32			*5.0	*7.0	23	4	1		
17	34	21	4	*7.0	*12.5	39	6	6	*6.0	*10.0	34	6	6	6.0	8.5	23	6	2	*4.0	*6.0
18	44	11	5	8.0	14.0	43	4	6	5.0	9.5	35	5	6	*4.5	*7.0	23	7	2	*3.5	*4.0
19	48	9	5	7.0	12.5	50	3	5	6.5	12.0	36	6	6	4.5	7.0	23	2	2		
20	51	8	5	6.5	11.0	51	6	4	*8.0	*11.5	37	6	7	4.0	7.0	21	3	1	*1.5	*4.0
21	52	7	5	6.0	10.0	53	6	6	8.0	12.5	38	2	9	5.0	7.5	22	3	2	*3.0	*4.0
22	50	6	2	6.0	11.0	57	4	8	*5.0	*9.0	38	4	8	4.0	6.5	23	2	2	*2.5	*3.5
23	52	4	4	7.0	11.0	49	8	4	6.0	8.5	38	4	8	4.0	6.5	23	2	4	*1.5	*3.0

F_{om} = medion value of effective ontenno noise in db obove ktb
D_u = rotio of upper decile to medion in db
D_l = rotio of medion to lower decile in db
V_{dm} = medion deviotion of overoge voltoge in db below meon power
L_{dm} = medion deviotion of overoge logorithm in db below meon power

MONTH-HOUR VALUES OF RADIO NOISE

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

Hour (LST)	Frequency (Mc)																																					
	.051										**.246					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	115	4	4	*7.0	*11.0						76	6	6	8.0	12.0	74	9	8			51	5	5	4.0	6.5	51	4	4	3.5	6.0	40	10	4	4.5	7.0	21	2	0	1.0	3.0
01	115	4	4	10.0	14.0						76	4	8	7.0	9.0	68	4	6	4.0	6.5	51	4	6	6.0	9.0	53	2	6	4.0	7.0	38	6	6	2.0	4.0	21	2	0	1.0	3.0
02	115	4	4	*11.5	*17.0						74	4	4	4.0	7.0	66	6	4	2.5	5.0	51	6	6	5.0	7.0	51	3	4	4.0	7.0	38	4	6	4.0	6.0	21	2	0	1.0	3.0
03	115	4	4	*10.5	*15.0						74	4	6	6.0	9.5	67	5	7	2.0	3.5	52	6	8	6.5	9.0	*53			6.5	10.0	36	2	4	4.0	6.5	21	2	0	1.0	3.0
04	113	4	4	*13.0	*17.5						70	6	2	7.0	10.0	68	10	10	6.0	10.5	50	4	7	7.0	10.0	50	5	6	4.0	8.0	36	4	4			21	2	2	1.0	2.5
05	113	4	10	*12.0	*17.0						70	8	2	4.5	9.0	66	8	10	5.5	9.0	49	5	7	4.5	7.0	49	4	4	4.0	7.0	38	6	4			21	2	2	1.0	2.5
06	107	6	10	11.5	16.0						*68			6.5	10.5	64	4	6	5.0	8.5	41	8	6	4.5	6.5	45	4	8	6.5	10.0	42	7	9	7.0	9.5	21	2	0	*1.0	*3.0
07	103	4	12	*14.0	*20.0						*72			4.0	9.0	60	8	4	3.0	6.5	37	5	4	4.0	6.0	*39					44	10	8			21	6	2	*2.0	*3.5
08	99	4	10	*13.5	*18.0											58	6	4	8.0	11.0	37	5	4	4.0	5.5	31	6	8	3.0	5.0	40	5	12	9.0	14.0	23	7	3	*3.0	*5.0
09	99	4	8	*9.0	*12.0											*58					39	4	6			*27			1.5	3.5	*42					*23				
10	*96			*1.0	*1.5											*58			7.0	10.0	*37			3.5	4.0	*29			7.5	10.0	*38					*23			*2.0	*4.0
11	*98			*12.0	*15.0											*56					*40					*23					*38					*24			*5.5	*8.0
12	*99			*14.0	*19.0											56	8	2	8.0	10.0	*43			2.5	3.5	*23					*37					*25			*1.0	*2.5
13	101	6	7	*14.0	*20.0											55	7	3	6.0	9.0	*47					*24			3.0	5.0	40	12	10			26	7	3	*3.5	*5.5
14	99	8	4	*13.5	*18.0											57	5	5	5.0	8.0	47	2	2	2.0	4.0	*26			3.0	5.5	45	13	9			27	4	4	*2.0	*4.0
15	99	12	4	13.0	18.0						*62					58	6	4	5.0	7.0	47	4	2	1.0	4.0	31	2	8	1.5	3.0	42	10	6			27	6	6	*2.0	*4.0
16	101	13	2	*14.0	*20.0											63	10	7	4.5	8.0	46	2	2	2.0	4.0	35	4	8	1.5	3.5	46	8	6			27	4	4	*2.0	*4.0
17	107	10	6	*15.0	*21.0											74	15	10	6.5	10.0	49	3	4	3.0	5.0	*45			3.5	5.0	44	10	4	10.5	14.5	25	6	2	3.5	5.0
18	111	6	6	*10.0	*15.0											78	10	8	3.0	6.0	49	3	7	2.0	4.0	51	3	7			46	10	4			23	4	2	*2.5	*4.0
19	113	4	2	9.5	14.0											82	6	12	4.0	8.5	50	4	8	4.0	6.5	*51					44	14	3	4.5	7.5	22	5	3	2.5	5.0
20	115	6	4	*10.0	*14.0											84	8	10			51	7	4	2.5	5.0	55	0	8	3.0	5.5	46	12	4	9.0	15.0	21	2	2	*2.0	*3.5
21	115	4	4	*9.0	*13.0											86	3	8			51	8	2	3.0	6.0	*53					46	14	6	4.5	7.5	21	2	2	*1.0	*3.0
22	115	4	4	*7.5	*12.5											84	8	6			53	6	5	4.0	6.0	52	6	3	6.0	9.5	44	14	8	4.0	5.5	21	2	2	1.5	3.0
23	115	4	4	9.5	13.5						74	4	8	6.0	9.5	78	10	6	10.0	15.0	51	7	4	3.0	7.0	*51					42	25	3	3.5	6.5	21	2	1	1.0	3.0

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

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.051										.246**					.545					2.5					5					10					20				
	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm*	Ldm*	Fom	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm	Ldm	Fom*	Du	Dℓ	Vdm*	Ldm*
00	115	4	4	8.0	13.0						74	8	6	6.0	10.0	72	6	6	*6.5	*13.0	48	6	8	5.5	8.5	52	2	8	6.5	10.0	39	12	8	*3.0	*5.5	20				
01	115	4	4	7.5	13.0						74	6	6	4.0	7.5	64	5	6	4.0	7.5	49	5	9	*5.0	*8.0	50	5	6	4.0	6.5	37	8	4	*2.5	*5.0	20				
02	113	7	4	8.5	14.5						73	10	5	5.0	9.0	62	6	5	5.5	9.0	48	4	6	*7.5	*11.0	48	6	4	5.5	9.0	37	8	8	3.5	6.0	22			1.0	3.5
03	111	7	4	8.0	13.0						72	8	8	6.0	10.0	58	8	6	*6.0	*9.0	46	4	10	*5.0	*8.0	47	7	9	3.0	6.0	35	10	4	*3.0	*5.0	22			0.5	2.5
04	107	5	3	10.0	16.0						62	4	4	4.0	7.0	54	4	6	*1.0	*4.5	43	7	5	*7.0	*10.0	46	6	10	6.0	7.5	37	11	6	*5.5	*7.5	20			0.5	2.5
05	103	6	4	7.5	12.5						66	2	8	3.0	5.5	54	4	5	*9.0	*11.0	34	4	6	*4.0	*6.0	36	6	8	6.0	9.0	39	12	10	*3.0	*5.0	20				
06	97	8	5	10.5	16.0						*62					54	8	4	*4.0	*7.0	32	2	10	*3.5	*5.5	30	6	4	5.5	7.5	41	22	12	*3.5	*4.0	22			0.5	2.5
07	93	10	2	10.0	14.0						*64					56	6	5	*5.0	*8.5	32	6	8	*7.0	*8.5	30	6	8	2.0	5.0	*38					20			2.0	3.5
08	101	6	10	*8.0	*11.5											56	4	6	*3.5	*6.0	34	4	10	*5.0	*7.5	26	5	6			*35					22				
09	*103			*11.0	*16.0											54	5	4	*6.5	*9.0	36	4	12	*4.5	*7.0	*26			4.0	6.0	*71			*6.0	*8.5	20				
10	105	6	6	*8.0	*15.0											56	4	4	*4.5	*7.0	34	2	8	*4.0	*5.0	24	4	4	4.0	6.0	*37			*7.0	*2.0	22				
11	109	2	7	*8.0	*15.0											55	6	4			34	7	5	*2.0	*4.0	23	5	5	2.5	4.5	35	10	6			22			0.5	2.0
12	109	4	6	*8.5	*16.0											52	8	2	*7.5	*10.0	34	6	4	*3.0	*5.0	26	2	7	1.0	3.0	42	7	11			25			2.0	4.0
13	110	5	8	8.0	14.5											52	6	2	*5.0	*8.0	40	4	6	*3.0	*5.0	22	2	5	3.0	5.0	37	20	11	*6.0	*10.0	22				
14	109	6	2	9.0	14.5											54	5	4	5.0	6.5	42	2	8	*2.0	*4.0	24	5	4	4.0	8.5	41	18	7			23			2.5	5.0
15	109	6	5	12.0	16.0						*62					56	4	6	4.0	7.5	44	4	14	1.5	3.5	26	8	4	5.0	8.0	43	20	15	*2.0	*8.5	24			1.5	3.5
16	109	6	6	8.0	15.0											56	6	4	*3.5	*6.0	44	5	16	*2.5	*4.5	28	8	6	4.0	6.0	45	24	14			24				
17	107	7	3	8.0	15.0											56	12	4	*3.0	*5.0	44	6	10	*3.5	*5.0	34	8	6	3.0	5.5	45	21	7	*5.5	*10.5	24			2.5	5.0
18	109	6	6	8.0	13.5											62	11	6	*2.5	*5.0	44	4	8	*3.0	*5.0	44	7	7	3.0	6.0	46	15	5			22				
19	111	4	3	6.0	11.5											69	12	7	*7.0	*11.0	44	8	6	3.0	6.0	49	4	4	2.5	5.0	45	6	6	*5.0	*8.0	20			2.5	4.0
20	113	2	2	6.5	10.0											76	8	11	*2.0	*4.5	50	4	10	*7.0	*10.5	52	4	6	6.0	9.0	45	6	6	*3.0	*6.0	20			1.0	3.0
21	115	4	4	7.0	12.0											75	7	9	*4.5	*8.0	50	6	11	*3.0	*6.0	52	4	3			43	12	8	*3.5	*5.0	20			1.5	3.5
22	116	5	5	8.0	12.5											75	7	7			50	5	13	*7.5	*11.0	52	3	8	3.0	6.5	41	6	6	*4.5	*7.0	20			1.5	3.0
23	115	5	4	8.0	13.0						72	6	6	4.5	8.0	72	7	8			50	4	11	5.5	8.0	52	2	7	3.0	7.0	41	4	8	4.0	5.5	20				

Fom = medion value of effective antenno noise in db above ktb
Du = rotio of upper decile to medion in db
Dℓ = rotio of median to lower decile in db
Vdm = medion deviation of averoge voltoge in db below meon power
Ldm = median deviotion of overoge logorithm in db below meon power

**Interference Kalungborg Broadcast Station from 0800 through 1600 and 1800 through 2200.

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.051 Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	117	10	4	8.0	14.0					
01	117	8	6	11.0	18.0					
02	114	8	5	9.0	14.5					
03	111	8	7	*9.0	*15.0					
04	107	10	5	9.5	14.5					
05	99	18	4	*10.0	*15.5					
06	99	15	7	*12.0	*18.0					
07	99	10	6	13.0	19.5					
08	108	6	8	*14.5	*21.5					
09	110	8	7	*12.0	*21.0					
10	115	4	6	*11.0	*20.0					
11	*119			*9.5	*16.5					
12	*119			*10.0	*17.0					
13	119	10	9	*11.0	*17.0					
14	121	7	10	*12.0	*18.0					
15	123	5	14	11.5	17.5					
16	121	6	11	11.0	18.0					
17	121	4	14	9.5	16.0					
18	121	4	17	12.0	18.5					
19	119	6	13	10.0	16.0					
20	117	8	7	*9.0	*14.0					
21	119	9	5	*10.0	*14.5					
22	121	8	6	*11.0	*17.0					
23	121	7	8	10.0	16.0					

Hour (LST)	**.246 Fam	Du	Dℓ	Vdm*	Ldm*	.545 Fam	Du	Dℓ	Vdm*	Ldm*
00	80	13	10	8.0	12.5	75	6	9	7.0	13.5
01	80	10	14	7.0	13.0	66	8	8	4.0	7.5
02	74	7	8	5.0	9.5	58	7	6	3.5	7.0
03	61	7	5	4.5	6.5	50	7	4		
04	58	8	2	3.5	6.5	50	12	3	3.0	5.0
05	64	4	6			52	10	4		
06	*62					52	9	4	3.0	5.5
07	*64					56	5	6	3.0	4.0
08						53	7	3	5.0	7.0
09						54	12	4	2.0	4.0
10						*56			1.5	3.5
11						*54			1.0	3.0
12						54	10	4	11.0	15.0
13						55	19	5		
14						56	19	6	7.0	9.0
15	*72					54	15	4	6.0	8.0
16						56	15	5	4.5	7.0
17						56	12	4	9.0	12.0
18						56	5	4	4.0	6.0
19						60	8	5	4.5	7.0
20						70	10	8	7.5	12.0
21						77	7	9		
22						80	10	12		
23	74	4	4	3.5	7.5	76	7	9	6.0	12.5

Hour (LST)	2.5 Fam	Du	Dℓ	Vdm	Ldm	5 Fam	Du	Dℓ	Vdm	Ldm
00	57	8	8	*6.0	*11.0	56	5	6		
01	55	8	7	*6.0	*12.0	55	7	6	*6.0	*9.5
02	53	9	6	*7.0	*12.0	54	7	7	*5.0	*9.0
03	47	8	5	*6.0	*9.0	49	4	6	*3.5	*6.5
04	33	8	7	*4.5	*7.0	40	7	3	*3.0	*6.0
05	29	10	8	*4.0	5.0	34	11	5	*5.5	*7.5
06	29	8	6	3.5	5.0	29	9	6	*4.0	*5.0
07	29	8	4	*5.0	*7.0	27	7	4	*6.0	*8.0
08	31	7	5	*4.0	*6.0	25	7	6	*4.0	*6.5
09	32	7	8	*4.0	*6.0	*23				
10	31	6	6	*4.0	*6.0	*23			*7.0	*8.0
11	*34			*4.0	*6.0	*21			*7.5	*12.5
12	33	8	8	*2.5	*4.0	*21			*5.5	*8.5
13	37	6	9	*1.5	*4.0	27	11	8	*5.0	*8.0
14	40	3	12	2.0	3.5	26	11	7	5.0	8.5
15	41	5	12	*1.0	*3.0	27	13	7	*5.5	*9.0
16	39	5	8	3.0	5.0	31	13	14	*5.0	*7.5
17	43	8	11	*1.0	*2.0	36	11	12	*6.0	9.0
18	43	4	7	*2.5	*5.0	43	7	10	4.5	8.0
19	43	5	6	2.5	5.0	47	8	4	*2.5	*5.0
20	47	8	9	3.5	6.0	53	6	4	*6.0	*10.0
21	55	6	7	*4.0	*7.0	57	5	5	*4.0	*8.5
22	57	6	4	*5.5	*10.0	55	7	2	*5.0	*7.0
23	57	8	7	*4.0	*8.5	57	4	6	*3.5	*7.0

Hour (LST)	10 Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm	Ldm
00	41	6	3	6.5	10.5					
01	43	4	8	3.5	6.0					
02	41	4	8	4.0	7.0					
03	41	5	4	4.5	9.0					
04	41	7	6	4.0	6.5					
05	41	5	6	5.0	8.0					
06	37	10	5							
07	41	10	10							
08	40	11	14							
09	*38									
10	*34									
11	*34									
12	*45									
13	43	14	15	4.0	5.0					
14	44	17	11							
15	47	20	13							
16	45	14	6	5.0	7.0					
17	45	5	8	5.0	10.0					
18	49	7	8	4.5	8.0					
19	47	6	6	4.0	7.0					
20	47	9	8	4.0	6.5					
21	47	6	6	5.0	8.0					
22	47	6	10	3.5	6.0					
23	43	6	4	5.0	8.0					

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

**Interference Kalungborg Broadcast Station from 0008 through 1400 and from 1600 through 2200.

MONTH-HOUR VALUES OF RADIO NOISE

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

Hour (LST)	Frequency (Mc)																																							
	.135					.500					2.5					5					10					20														
	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{om}	D_u	D_ℓ	V_{dm}	L_{dm}
00	107	12	7			83	14	5			62	>12	6			57	13	5			40	9	1			23	0	1												
01	108	11	5			84	13	5			62	>12	4			58	10	8			40	5	3			23	1	1												
02	108	11	7			83	15	6			63	>11	6			57	11	5			39	6	3			24	0	2												
03	109	12	9			83	12	7			64	>8	8			58	10	7			39	7	2			24	0	1												
04	109	12	9			79	13	6			64	>10	8			58	8	8			37	5	2			24	0	1												
05	105	14	5			75	15	8			60	13	7			59	7	9			36	5	1			24	0	1												
06	98	12	4			61	9	5			50	8	5			51	11	5			38	4	2			24	0	1												
07	98	9	6			57	6	2			40	7	6			42	7	3			38	9	2			24	2	1												
08	97	10	7			56	5	2			33	7	3			35	6	7			35	10	2			26	3	2												
09	95	14	5			56	5	1			32	4	5			30	5	4			33	9	2			26	2	2												
10	95	16	5			57	4	2			31	3	4			28	5	4			32	6	2			25	5	1												
11	96	13	6			57	3	2			29	4	2			27	2	3			31	5	2			25	5	2												
12	94	14	6			56	4	3			29	3	2			26	3	3			31	7	1			25	4	2												
13	95	12	7			55	5	2			29	4	2			27	3	4			32	4	1			25	5	2												
14	94	14	6			55	5	1			30	4	3			28	7	3			35	4	3			27	4	3												
15	95	10	7			55	5	2			30	3	2			30	6	6			36	6	3			28	2	3												
16	96	10	6			58	3	2			32	4	3			35	7	5			39	8	2			27	7	2												
17	96	12	6			58	5	3			37	6	3			43	9	6			43	7	3			28	5	1												
18	99	11	9			59	16	2			50	9	5			53	13	5			45	7	2			28	4	2												
19	103	15	5			69	14	6			57	14	5			56	14	6			46	7	3			26	4	2												
20	107	14	6			75	15	6			59	15	7			58	14	6			45	8	3			25	2	1												
21	106	14	5			78	13	5			59	16	6			57	15	6			44	9	3			23	1	1												
22	107	14	7			81	14	7			61	13	7			58	12	6			43	9	4			23	1	1												
23	107	12	8			84	12	8			63	12	8			59	11	8			43	7	4			23	1	1												

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Hour (LST)	Frequency (Mc)																																							
	.135					.500					2.5					5					10					20														
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	102	11	12			82	6	14			64	8	14			64	7	9			41	8	8			22	1	0												
01	104	8	14			81	7	13			68	7	16			63	6	8			38	10	5			23	1	1												
02	104	7	14			80	8	12			66	9	12			62	8	10			38	7	5			23	1	1												
03	102	8	12			79	9	12			66	8	12			63	8	12			37	7	5			23	1	1												
04	100	8	11			74	11	10			65	6	12			62	3	15			36	7	5			23	1	1												
05	94	9	11			62	17	6			55	12	9			57	4	9			35	8	4			23	1	1												
06	89	8	9			57	8	5			41	10	9			46	5	7			37	4	6			23	0	1												
07	89	8	9			54	9	2			35	8	4			39	6	7			37	3	6			23	2	1												
08	87	8	7			54	5	2			29	4	2			32	7	6			33	5	4			24	2	1												
09	87	10	6			54	6	2			29	4	4			30	6	5			31	4	4			23	2	1												
10	87	9	5			55	6	3			30	3	4			28	7	1			29	3	2			23	1	1												
11	88	8	5			55	6	2			30	3	4			28	6	2			29	3	3			23	2	1												
12	89	6	5			55	7	2			30	3	3			29	5	3			29	4	2			25	2	2												
13	90	8	6			55	11	2			31	3	4			29	7	2			29	6	2			25	4	2												
14	91	11	8			57	8	4			31	9	4			29	8	2			31	8	4			26	4	2												
15	91	13	9			57	17	4			31	10	3			33	8	5			34	8	4			27	3	3												
16	91	13	9			58	13	5			33	10	4			35	11	4			38	7	4			28	4	4												
17	91	13	9			58	20	5			35	14	4			42	14	8			42	7	7			29	4	4												
18	93	11	11			59	18	6			41	18	7			54	8	13			44	7	7			30	5	5												
19	98	8	11			63	13	7			57	12	10			59	9	12			46	6	6			29	4	4												
20	103	8	13			75	8	11			64	8	15			65	5	11			45	5	6			24	5	2												
21	105	7	15			78	8	12			66	7	15			65	6	12			44	6	7			23	2	1												
22	104	8	14			80	9	12			68	7	16			66	6	12			43	7	9			22	2	0												
23	104	8	14			82	8	14			68	7	17			65	6	10			43	6	8			22	2	0												

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.135 F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	.500 F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	2.5 F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	5 F_{am}^{*}	D_u	D_ℓ	V_{dm}	L_{dm}
00	112	10	8			86	9	13			75	5	12			64				
01	111	8	8			84	11	11			74	6	10			64				
02	111	7	9			84	9	10			73	7	10			65				
03	112	7	10			83	9	9			72	7	10			66				
04	110	9	7			81	7	10			68	8	9			62				
05	101	15	10			65	13	8			48	7	10			54				
06	98	15	8			61	16	7			39	9	7			44				
07	97	15	8			61	14	4			34	7	3			36				
08	87	12	9			59	16	2			28	4	2			30				
09	87	14	10			59	15	2			28	4	1			28				
10	79	15	11			61	16	3			29	2	4			27				
11	78	14	9			61	19	2			29	3	3			27				
12	98	19	9			63	16	4			29	7	3			29				
13	104	12	13			65	17	6			31	18	4			30				
14	107	13	15			68	24	9			31	28	4			30				
15	108	14	14			72	26	13			31	29	4			32				
16	108	>15	15			69	>32	11			35	39	4			33				
17	106	>21	13			69	>39	11			36	42	4			39				
18	107	>20	12			67	>40	9			42	34	7			45				
19	107	>20	8			67	39	9			56	21	13			53				
20	112	15	8			73	28	5			69	14	16			62				
21	114	12	10			83	16	12			74	9	15			63				
22	114	9	10			87	8	15			74	8	14			64				
23	114	8	10			87	8	13			74	9	11			65				

Hour (LST)	10 F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	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}
00	49	6	6			23	1	0												
01	47	7	5			23	1	0												
02	47	7	6			23	1	0												
03	46	7	5			23	1	0												
04	43	6	4			23	1	0												
05	43	6	5			23	1	0												
06	43	7	6			23	1	1												
07	40	9	6			23	1	1												
08	37	6	4			23	2	0												
09	34	8	3			23	2	1												
10	33	7	3			23	1	2												
11	32	9	2			22	2	1												
12	33	8	2			26	2	2												
13	35	7	4			26	3	2												
14	37	12	5			27	3	2												
15	41	8	4			28	4	3												
16	44	9	7			28	8	2												
17	48	8	6			29	6	3												
18	50	8	6			30	5	4												
19	53	5	7			30	6	4												
20	53	4	6			25	5	3												
21	52	5	5			24	6	1												
22	52	4	7			23	3	1												
23	50	6	5			23	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 Kekaha (Kauai), T.H. Lat. 22.0 N Long. 159.7 W Month March 19 60

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495				
	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	2	2	9.0	15.0	127	2	4	10.0	16.0	100	10	6	9.5	17.0	81	8	8	11.0	19.0
01	154	0	2	10.0	14.5	129	2	2	9.5	15.0	102	8	6	9.0	15.5	81	8	7	*11.0	*18.5
02	154	0	4	10.0	16.0	129	2	2	9.0	14.5	102	6	4	10.0	16.5	81	11	6	10.0	17.5
03	*152			9.5	16.0	129	4	2	9.0	16.0	102	11	4	10.0	17.0	81	9	7	8.5	15.5
04	*154			9.5	15.0	130	5	3	9.0	15.0	104	6	8	9.0	15.0	79	12	7	9.0	16.0
05	*154			10.0	17.0	129	4	2	9.5	16.0	100	11	9	12.0	19.0	79	10	14	*10.5	*21.0
06	*154			9.5	16.0	129	3	4	9.5	16.0	96	8	9	12.0	19.0	63	19	7	11.0	19.0
07	*154			11.0	17.5	119	5	2	9.5	16.0	76	18	8	*10.0	*14.5	55	12	8	*2.5	*5.0
08	*150			11.5	18.0	109	9	4	11.0	17.5	74	22	8	11.0	19.0	52	16	7	4.0	6.0
09	*150			11.0	18.0	107	7	5	12.0	18.5	74	24	9	*14.0	*21.5	53	13	7	5.0	7.0
10	*150			11.5	18.0	109	7	8	*12.5	*19.0	74	22	10	14.0	20.0	*55			*10.0	*18.0
11	*148			11.0	18.0	111	7	14	12.0	20.0	76	16	16	13.5	21.0	50	7	3	*3.5	*5.5
12	*149			12.0	19.0	111	14	12	*14.0	*23.0	74	22	14	*18.5	*29.0	51	9	6	*3.0	*5.0
13	*148			13.0	20.0	109	10	8	13.5	21.5	69	22	7	*14.0	*16.5	51	11	6	*3.5	*5.0
14	148	4	2	13.5	21.0	109	10	8	14.5	21.5	76	12	16	*12.0	*19.5	51	5	4	*5.0	*6.5
15	148	2	6	14.0	21.5	107	9	7	15.0	22.0	68	14	8	*13.0	*17.5	49	8	4	*4.0	*6.5
16	146	4	2	14.5	22.0	107	14	8	14.0	22.5	70	24	10	12.5	21.0	51	8	4	*3.5	*5.5
17	147	3	3	14.5	22.0	103	18	6	12.5	19.0	70	15	10	9.0	16.0	49	7	2	3.0	5.0
18	146	4	2	13.5	21.5	103	10	4	11.0	17.0	74	22	2	9.5	16.0	53	15	2	*3.5	*6.0
19	146	2	4	12.0	19.0	113	7	5	9.0	17.0	90	15	12	9.5	17.0	71	14	10	10.0	16.0
20	148	2	2	11.0	18.0	115	9	4	12.5	20.0	92	13	10	10.5	21.0	75	12	8	*10.0	*18.0
21	150	2	4	8.5	14.0	117	11	4	11.0	19.0	96	12	8	12.0	22.0	77	13	6	10.0	18.0
22	152	2	2	9.0	14.0	121	6	4	11.5	18.5	96	11	6	10.0	19.5	75	15	3	8.5	17.0
23	153	1	3	8.5	15.0	125	4	6	12.0	18.5	100	6	7	11.0	19.0	79	9	6	10.0	18.5

Hour (LST)	2.5					5					10					20				
	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}
00	54	6	6	7.0	10.0	61	7	7	*7.0	*12.5	45	3	2	3.5	6.5	23	2	2	2.0	3.5
01	56	4	6	8.0	11.5	62	6	6	*8.0	*13.5	45	2	6	2.0	4.0	23	2	0	2.0	3.5
02	56	5	8	*8.0	*13.0	65	5	9	9.0	15.0	43	6	8	*4.0	*7.0	23	2	0	1.0	2.5
03	54	8	4	*9.0	*15.0	64	5	8	*7.5	*15.0	39	8	4	2.5	4.0	23	2	0	1.0	2.5
04	56	6	7	*9.0	*14.5	52	14	4	6.5	10.5	37	7	4	3.0	5.5	23	0	0	1.0	2.5
05	54	8	5	*7.0	*13.5	50	4	3	*4.5	*8.0	35	4	2	*3.0	*5.0	23	2	0	1.0	2.5
06	53	7	8	*7.0	*12.0	50	4	4	*6.0	*9.5	35	8	2	3.0	5.0	23	2	0	1.5	3.0
07	44	8	4	5.5	8.5	46	6	2	*5.0	*9.5	41	2	4	*3.5	*6.0	23	2	0	2.0	3.5
08	38	8	6	4.5	6.5	*34			*3.0	*6.5	35	4	2	*6.0	*8.5	23	2	2	*1.5	*3.0
09	32	7	2	*3.0	*5.0	22	5	4	4.0	6.0	29	5	7	*4.0	*7.0	21	4	2	*3.0	*5.0
10	32	3	2	4.0	5.5	24	4	4	*5.0	*6.5	19	10	6	*6.0	*10.0	19	6	2	*4.0	*6.0
11	30	3	2	*3.0	*4.5	*22			*4.0	*6.0	*17			*5.5	*8.0	*19			*2.0	*3.5
12	30	2	2	3.0	5.0	*24			*3.5	*6.0	*15					19	2	4	*2.0	*3.5
13	30	4	2	3.5	5.0	*23			*5.0	*7.0	*15					19	2	2	*3.0	*4.5
14	30	4	2	*3.5	*5.0	*23			*3.0	*4.5	*19			*7.0	*9.5	21	2	2	3.0	4.5
15	30	5	2	4.0	5.5	*22					*20			*5.5	*8.5	22	3	1	*3.0	*5.5
16	30	6	2	2.0	4.0	*24					*26			*5.0	*8.0	23	2	2	2.5	5.0
17	30	6	2	3.0	5.0	*27					37	1	4	*4.5	*8.0	25	2	4	3.0	4.5
18	34	6	2	*3.0	*5.0	*41			*6.0	*9.0	39	4	2	4.0	7.0	25	2	4	3.5	5.5
19	46	8	8	*6.5	*11.0	*50			*8.5	*12.0	41	2	2	4.5	7.5	24	1	3	3.5	5.5
20	52	6	8	10.0	15.0	*52			*6.0	*9.0	43	2	4	4.0	7.5	25	2	4	4.0	5.5
21	54	8	8	7.5	11.0	54	4	2	*6.0	*9.0	43	2	2	3.5	7.0	25	2	2	2.5	4.5
22	54	5	7	6.5	10.5	58	8	6	*5.5	*10.0	43	4	3	*2.5	*5.0	23	2	0	2.5	4.0
23	54	6	4	7.0	11.0	56	6	0	5.0	10.0	45	4	4	*3.0	*5.0	23	4	0	2.0	4.0

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm
00	154	0	4	8.0	13.0	125	4	6	11.0	17.5	98	8	4	*10.0	*18.0	77	10	6	*7.5	12.0	54	2	8	7.0	10.5	55	8	3	6.0	9.0	44	4	2	3.0	5.0	24	2	0	1.5	3.0
01	154	2	4	8.5	14.0	127	2	4	8.5	14.5	100	8	6	*11.0	*18.0	79	7	6	*12.0	18.5	54	8	8	6.5	9.0	59	6	6	*6.0	*9.5	46	2	4	3.0	6.0	26	0	2	2.0	3.5
02	154	2	2	9.0	14.5	127	2	2	10.0	16.0	100	8	2	9.5	15.0	77	6	4	10.0	16.0	54	6	6	6.0	10.5	64	6	8	*6.5	*10.0	44	4	4	3.0	5.0	24	2	0	2.0	3.0
03	154	0	4	9.5	16.0	129	2	4	9.5	16.0	102	6	4	10.0	17.0	79	6	6	*12.0	*19.0	54	7	4	5.5	8.5	63	6	4	7.5	12.0	42	4	4	3.0	5.0	24	2	0	1.0	2.5
04	152	2	2	10.0	16.0	129	2	4	10.5	17.0	100	8	6	11.5	18.0	78	10	5	*11.0	*17.0	54	4	4	6.0	10.0	51	16	4	6.5	11.0	42	4	4	2.5	4.5	24	2	0	1.0	2.5
05	152	4	0	11.0	18.0	129	2	4	10.0	17.5	100	6	6	9.5	18.5	75	8	10	*10.0	*18.5	54	6	4	5.0	8.5	49	10	2	5.0	9.0	40	4	4	2.5	4.0	24	2	0	1.0	2.5
06	154	0	2	10.5	17.5	123	6	4	*13.0	*20.0	84	12	4			61	9	7	*2.0	*4.0	52	6	5	5.5	9.0	51	2	4	4.5	7.5	40	5	2	*3.0	*5.5	24	2	0	2.0	3.5
07	150	4	0	11.0	18.0	115	6	2	11.5	19.5	74	2	10	*9.0	*13.0	55	8	5	*3.5	*5.0	42	10	6	2.5	5.0	43	4	8	*1.5	*2.5	38	3	5	3.0	5.5	24	2	2	2.5	4.0
08	150	2	2	11.5	18.0	105	4	8	*11.0	*16.0	71	13	9	*12.5	*21.5	53	10	4	*2.5	*4.5	36	11	5	3.0	4.5	33	8	6	*5.0	*7.0	32	2	4	*4.0	*7.0	22	4	0	3.0	5.0
09	148	2	0	11.0	17.5	105	6	5	*13.5	*19.5	70	10	8	*15.0	*27.0	51	4	4	*2.5	*4.0	34	10	3	3.0	5.0	23	2	4	3.0	5.0	22	5	4	*3.0	*4.5	22	2	4	4.0	6.0
10	148	2	2	10.5	17.0	107	6	6	*13.0	*21.0	72	17	8	*12.5	*18.0	53	8	2	*5.5	*8.5	34	3	4	3.0	5.0	27	2	3	*7.0	*10.0	19	5	3			18	4	0	*2.0	*4.0
11	148	2	2	11.0	17.0	109	6	6	12.0	20.0	68	20	5	*13.5	*25.0	51	2	6	2.0	4.0	32	3	2	3.5	4.5	23	3	2	*5.0	*7.5	20	4	4	*7.0	*10.0	18	2	2	*3.0	*5.0
12	148	2	2	11.0	17.0	107	8	4	14.0	21.5	69	9	7	*9.5	*13.5	51	4	6	*2.0	*4.0	32	2	3	3.0	5.5	23	2	2	*3.5	*5.5	20	2	4	*5.5	*8.0	18	2	2	2.5	4.5
13	148	2	2	12.0	19.5	107	8	6	*13.0	*18.0	66	12	6	*10.0	*12.5	51	4	6	*2.5	*4.0	32	2	3	3.0	5.0	23	4	2	*4.5	*6.0	20	2	4	*5.0	*8.0	19	3	3	2.5	4.0
14	148	2	3	12.0	18.0	107	8	4	*15.0	*22.5	66	18	6	*14.5	*19.0	51	6	4	*2.0	*4.0	32	6	4	3.5	5.0	*25			*3.5	*5.0	*20			*4.5	*6.0	20	4	2	2.5	4.5
15	147	3	1	13.0	19.5	107	8	4	*14.0	*23.5	64	16	6	*11.5	*17.5	51	6	4	*2.5	*4.5	32	4	4	2.5	4.0	*25			*4.0	*6.0	*20			*7.5	*3.0	22	2	4	3.0	5.0
16	146	2	2	12.0	19.0	105	6	6	*12.5	*17.5	64	18	6	*9.5	*13.0	51	4	4	2.0	3.5	32	2	4	2.5	4.5	*25					*26			*3.0	*5.0	24	4	4	*2.5	*4.5
17	146	2	4	12.5	19.0	101	6	4	10.5	14.5	64	14	4	*6.5	*9.0	53	6	4	2.5	4.5	32	4	4	2.5	4.0	*33			*5.5	*7.5	34	3	5	*4.0	*6.5	24	4	2	3.0	5.0
18	146	2	4	12.0	19.0	99	10	4	*6.0	*10.0	72	8	6	*3.5	*7.0	57	4	4	*2.0	*4.0	33	10	4	1.5	3.0	*41					38	2	4	4.0	6.5	24	2	2	3.5	5.5
19	146	2	4	12.0	19.0	109	4	4	10.5	16.5	86	6	6	*8.0	*14.0	65	6	4	*5.5	*8.0	42	10	6	3.0	5.0	*49			*9.0	*13.5	40	4	2	4.0	6.5	26	1	2	2.5	4.5
20	148	2	4	9.5	16.5	115	6	4	13.0	20.5	90	6	4	13.5	22.0	71	6	4	7.0	11.5	50	2	6	*4.5	*6.5	*57			*3.5	*5.0	42	4	2	3.5	6.5	24	2	1	3.0	5.0
21	150	2	4	9.0	15.0	118	5	5	12.0	17.5	94	8	6	12.0	21.5	73	8	6	*6.5	*9.0	52	8	6	5.0	7.0	*51			5.0	8.5	42	2	2	3.5	6.0	24	2	1	2.5	4.0
22	152	0	4	7.5	12.5	119	6	2	*10.0	*16.0	94	8	4	*11.0	*18.0	75	12	6	*9.0	*13.0	52	8	6	6.0	9.0	53	4	2	6.0	9.0	44	2	3	3.0	5.5	24	2	2	2.5	4.0
23	152	2	2	8.0	13.5	122	5	5	10.5	16.5	98	6	4	*9.0	*15.0	77	8	8	*9.0	*14.0	54	6	8	6.0	8.5	54	3	4	6.5	11.0	44	4	2	3.0	4.5	24	2	0	2.0	3.5

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	154	4	4	7.5	13.0	125	4	2	9.0	14.5	100	6	6	9.5	16.5	79	4	10	10.5	18.5
01	154	4	2	8.0	13.0	127	4	4	9.0	15.0	102	4	8	9.5	16.5	79	6	12	10.0	19.5
02	154	4	2	10.0	16.0	127	4	6	9.0	15.0	102	6	8	8.0	13.5	80	7	7	*9.5	*18.0
03	154	4	2	9.5	15.5	129	2	4	10.0	18.0	104	4	8	10.0	16.5	81	10	8	9.0	18.5
04	154	4	2	10.5	17.0	129	4	6	11.0	18.0	102	6	6	10.5	19.5	81	2	12	11.5	20.0
05	154	4	2	11.0	17.5	129	4	2	11.0	18.0	102	6	8	9.0	18.0	73	9	10	*10.5	*17.5
06	154	4	4	11.0	17.5	121	4	4	10.5	18.0	78	12	2	9.0	16.0	53	8	2	*3.5	*5.5
07	152	2	4	10.5	17.0	115	2	2	11.0	18.5	68	14	10	*14.5	*20.5	51	6	2	*4.5	*6.5
08	150	4	2	10.5	17.0	108	9	7	11.0	18.0	70	18	8	*11.0	*16.5	51	9	4	*3.0	*5.0
09	150	4	4	10.5	17.0	109	8	8	12.0	18.5	70	18	8	*15.5	*25.5	49	4	2	*2.5	*4.0
10	152	2	4	10.0	16.0	113	4	8	12.5	20.0	70	16	8	12.5	19.5	49	4	0	3.5	6.5
11	150	4	2	10.5	17.0	113	6	10	12.5	20.5	72	17	12	13.5	22.5	49	4	2	3.0	5.0
12	150	2	2	10.5	17.0	111	8	8	13.0	22.0	66	18	8	*15.0	*25.5	49	12	2	*3.0	*5.0
13	150	2	4	10.0	15.0	111	8	8	13.0	20.0	68	16	10	*12.0	*17.0	49	20	2	3.0	5.0
14	150	2	4	10.0	16.0	111	7	8	12.0	19.0	68	13	7	*14.0	*19.0	49	10	2	4.0	6.0
15	150	2	4	10.0	17.0	109	13	9	13.5	19.5	66	21	8	*14.5	*19.5	49	14	2	*2.0	*4.0
16	148	4	4	11.0	17.5	105	10	6	11.5	17.0	66	10	8	*9.0	*12.5	49	6	2	*2.0	*4.0
17	148	2	4	10.5	17.0	101	8	4	*12.0	*18.0	62	19	6	*6.0	*9.0	57	8	6	3.5	6.0
18	148	2	3	9.0	15.5	103	4	6	6.0	10.5	70	9	6	5.0	8.0	53	6	4	*2.5	*4.0
19	148	4	2	9.0	14.5	111	7	2	7.0	12.5	86	10	4	*7.0	*12.5	63	16	6	8.5	13.0
20	150	2	4	6.5	11.5	119	6	4	9.0	15.0	94	6	4	9.0	15.0	71	10	14	*11.0	*20.0
21	152	2	4	7.0	11.5	122	5	6	9.0	14.0	98	5	8	7.5	14.0	75	14	14	12.0	19.0
22	152	3	3	6.5	11.0	123	5	5	9.5	15.0	98	6	8	8.5	13.0	76	11	13	10.0	18.5
23	154	2	4	7.5	11.5	125	2	5	8.5	14.5	100	6	8	9.0	15.5	81	6	16	9.5	15.5

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	55	4	6	7.0	11.0	58	4	6	*5.5	*9.5	43	4	2	2.5	6.0	23	2	0	2.0	3.5
01	55	6	6	6.5	11.5	60	4	3	*6.0	*11.0	45	1	2	3.5	7.0	23	2	0	2.0	3.5
02	55	4	5	6.5	11.5	64	4	8	*5.0	*10.5	45	2	4	*2.5	*5.5	23	2	0	2.0	3.5
03	57	7	4	7.0	11.0	64	6	4	*5.0	*10.0	43	4	4	4.0	7.0	23	3	2	1.5	3.0
04	57	8	4	8.0	13.0	54	12	6	6.5	10.0	41	4	4	2.5	6.5	23	1	2	1.5	3.0
05	55	4	4	8.5	14.0	51	1	3	6.0	10.5	41	4	5	3.0	6.0	23	0	1	1.5	3.0
06	53	4	8	5.5	9.5	48	4	2	4.0	7.5	39	5	3	3.5	6.5	23	2	0	2.0	3.5
07	37	9	2	3.0	5.0	*40			*9.0	*14.0	35	4	2	4.0	6.5	23	2	2	2.0	3.5
08	31	6	2	3.5	5.0	*38			*8.5	*13.0	27	4	4	*3.0	*5.0	21	4	2	2.5	3.5
09	31	8	4	*4.0	*6.5	20	2	2	*4.0	*6.0	24	3	7	*3.5	*5.5	21	2	2	2.5	5.0
10	31	6	2	*3.5	*5.5	26	4	8	*4.0	*7.0	*19			*4.0	*6.0	19	2	2	3.5	5.0
11	29	8	2	*3.0	*6.5	24	8	2	*7.0	*10.5	*21			*5.5	*7.5	19	2	2	3.0	4.0
12	31	8	4	*3.5	*6.0	24	10	4	*4.0	*7.0	*19			*5.0	*7.5	19	4	4	3.0	5.0
13	29	8	2	*3.0	*4.5	24	6	4	*3.5	*6.0	*19			*6.0	*9.5	19	4	2	*3.0	*5.0
14	29	4	2	*3.0	*5.0	*26			*5.0	*8.0	*21			*3.0	*4.5	21	2	2	2.0	4.5
15	29	6	2	3.0	4.5	*28			*15.0	*20.5	*21			*3.0	*5.0	23	2	4	2.5	5.0
16	29	7	4	*3.0	*5.0	*26			*10.5	*15.0	*29			*6.0	*9.0	25	2	4	2.5	5.0
17	29	10	2	3.0	4.5	*32					35	2	4	4.0	6.5	25	2	4	2.5	4.5
18	31	6	4	4.0	5.5	*35			*7.5	*11.0	41	0	4	3.0	6.0	25	2	4	3.0	5.0
19	41	6	6	5.0	6.5	*57			*9.0	*12.0	41	2	2	4.5	7.5	23	4	2	3.0	4.5
20	49	7	7	6.0	9.5	52	4	2	*4.0	*7.0	43	0	3	3.5	6.5	23	2	2	2.0	4.0
21	57	10	6	5.0	8.0	52	4	3	4.0	7.0	41	2	2	3.0	6.0	23	3	2	2.5	4.0
22	53	8	6	7.0	11.0	52	4	4	3.5	7.0	43	1	2	3.0	6.0	23	2	2	1.5	3.0
23	53	6	5	5.5	9.0	52	2	2	*5.0	*9.0	43	3	2	3.0	6.0	23	2	0	2.0	3.5

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013					.051					.160					.545				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	153	6	13			130	10	15			108	12	14			88	12	14		
01	153	6	13			130	8	15			108	12	13			83	13	10		
02	151	6	9			130	8	17			108	8	16			82	16	10		
03	152	7	10			128	8	15			106	10	15			84	10	20		
04	153	2	10			128	8	9			104	11	16			78	12	14		
05	152	3	4			126	6	9			102	10	13			76	12	16		
06	151	4	4			118	14	4			93	22	16			66	26	8		
07	147	6	10			114	18	8			90	26	13			67	26	9		
08	148	7	3			111	13	8			88	29	14			64	32	13		
09	147	7	7			112	20	10			87	28	12			64	23	10		
10	147	6	8			112	18	8			88	23	12			64	20	8		
11	149	6	3			115	16	7			91	22	14			66	23	10		
12	149	4	5			119	14	9			97	20	20			67	27	13		
13	149	4	6			118	14	6			104	10	23			72	17	17		
14	151	5	6			125	10	10			106	13	26			66	32	13		
15	153	5	5			124	13	11			101	20	23			68	31	13		
16	153	6	4			125	12	14			106	17	19			76	25	23		
17	153	8	4			127	16	15			110	19	24			86	25	26		
18	151	12	4			130	12	18			110	16	26			88	16	18		
19	153	10	4			129	16	12			111	14	18			90	21	19		
20	153	8	2			128	14	9			110	14	17			92	15	16		
21	153	8	9			130	11	15			112	9	15			92	9	16		
22	159	6	10			130	10	10			109	13	15			90	9	15		
23	153	4	11			130	8	16			112	10	15			90	14	18		

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	13			54	7	14			39	5	5			34	3	5		
01	61	7	11			55	5	9			41	6	4			34	3	4		
02	57	8	12			52	8	4			39	4	4			32	3	1		
03	56	10	11			51	8	5			39	6	7			32	4	3		
04	53	11	7			50	8	9			35	8	9			32	5	2		
05	50	10	6			48	7	8			35	5	10			32	3	3		
06	46	10	7			44	11	8			35	5	3			32	5	4		
07	44	13	6			38	13	13			34	6	9			32	5	2		
08	42	12	6			40	7	16			25	10	8			30	6	0		
09	40	10	5			26	22	6			23	14	6			30	6	4		
10	40	5	6			24	16	2			23	16	8			*32				
11	40	10	3			27	9	6			*27					*32				
12	41	11	6			28	14	8			*31					34	6	6		
13	40	16	4			29	15	10			*39					34	7	6		
14	40	12	4			30	18	8			*42					36	12	6		
15	44	24	4			37	19	13			*41					36	8	3		
16	46	23	6			41	18	13			39	12	12			38	15	4		
17	50	18	14			50	13	16			43	9	13			38	9	6		
18	60	15	14			54	12	8			45	8	8			38	17	4		
19	62	19	15			54	17	11			43	8	10			38	7	4		
20	62	14	16			56	9	12			45	5	8			36	10	4		
21	64	10	17			56	8	18			41	7	8			34	4	4		
22	59	12	12			53	9	6			43	4	9			34	4	4		
23	60	11	11			54	7	9			40	6	7			32	6	4		

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)																.545					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00																87	9	10			58	8	10			56	4	12			39	4	6			24	4	3		
01																85	8	13			57	8	13			54	6	14			39	5	10			22	7	2		
02																83	7	13			55	11	9			54	5	10			37	6	7			24	4	5		
03																79	9	12			54	11	12			52	6	7			37	10	8			22	4	3		
04																75	13	13			56	10	10			52	6	11			34	7	8			22	0	2		
05																63	16	7			52	13	11			48	10	9			33	6	7			22	2	2		
06																59	10	3			45	7	11			42	8	13			31	6	6			22	3	2		
07																59	10	3			44	4	8			30	14	8			25	10	8			22	2	3		
08																57	4	6			42	2	8			28	6	8			21	11	6			20	2	4		
09																59	4	4			42	4	6			28	4	6			19	9	4			20	4	4		
10																59	5	4			40	6	8			26	8	4			20	9	7			19	3	3		
11																61	10	3			40	4	6			28	8	6			*22					20	4	2		
12																61	22	7			40	5	5			27	7	3			*27					22	6	4		
13																61	31	4			40	8	4			29	11	3			*29					24	7	5		
14																61	40	8			41	22	5			30	28	6			*30					26	6	4		
15																61	32	4			44	24	6			32	24	6			*31					28	4	4		
16																63	38	6			45	20	7			40	17	12			35	10	9			28	6	6		
17																67	34	4			44	16	8			46	11	16			38	8	7			28	5	2		
18																79	22	7			52	14	12			52	10	8			41	6	9			28	6	2		
19																84	12	7			62	8	15			56	7	12			43	7	7			28	6	4		
20																86	9	10			66	5	18			56	6	8			43	6	6			26	7	3		
21																86	7	9			62	8	12			54	8	7			39	7	4			26	-	3		
22																87	10	8			56	13	8			52	10	8			40	7	7			26	4	4		
23																88	10	10			58	8	9			52	9	9			39	6	8			24	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. 28.8 N Long. 77.3 E Month May 19 60

Hour (LST)	Frequency (Mc)																																					
											.160					.545					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	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											101					87	6	6			59	8	8			51	8	4			39	4	4			26	6	4		
01											100					87	6	10			59	8	10			55	7	8			37	6	6			25	7	3		
02											99					87	6	11			59	8	10			52	6	7			38	7	6			24	6	4		
03											102					85	8	14			59	9	8			53	6	7			38	5	7			24	5	3		
04											95					65	18	6			58	8	10			53	4	10			35	6	3			24	4	2		
05											85					65	18	6			53	6	9			49	5	9			35	4	5			27	3	4		
06											81					61	18	4			47	8	9			40	11	10			31	5	9			26	4	4		
07											85					*63					43	13	2			35	11	13			27	6	4			26	4	5		
08											82					*65					41	12	2			33	8	2			23	9	5			24	3	5		
09											77					61	22	4			41	4	2			33	2	6			23	9	5			22	6	2		
10											80					67	18	8			41	4	2			31	3	5			21	10	4			24	7	4		
11											83					*69					42	5	4			33	11	5			*25					24	8	2		
12											83					67	43	8			43	17	4			33	33	4			*27					26	9	6		
13											82					73	32	10			43	28	6			31	29	3			*25					27	8	6		
14											82					73	33	10			45	22	6			33	19	6			*28					29	5	7		
15											83					75	28	14			45	26	6			37	22	10			29	8	2			30	4	4		
16											85					78	23	13			47	19	7			39	21	12			35	12	8			31	7	5		
17											87					77	18	16			49	20	8			43	15	10			37	8	4			32	4	4		
18											91					77	16	11			53	14	6			51	10	10			41	4	4			30	7	2		
19											99					85	8	8			61	12	10			55	8	6			41	4	2			30	4	6		
20											102					85	6	8			63	8	14			55	8	8			43	6	4			28	4	4		
21											100					85	10	6			61	10	10			53	8	4			39	6	4			28	4	4		
22											101					88	5	7			61	8	10			54	7	7			34	8	4			27	4	4		
23											100					89	4	12			61	6	12			53	6	4			37	4	0			26	6	2		

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

MONTH-HOUR VALUES OF RADIO NOISE

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

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	154	4	4	7.5	11.0	130	4	6	7.5	13.0	106	11	4	6.0	11.0	82	14	4	5.0	8.5	56	27	8	7.5	11.0	57	11	2	4.0	6.5	48	6	4	4.5	8.0	25	4	2	3.0	5.0
01	154	4	2	7.0	10.5	130	6	4	9.0	13.0	108	8	6	7.0	12.5	82	14	6	*6.0	*12.0	56	14	7	8.0	13.0	57	6	1	5.5	9.0	46	8	4	2.0	6.0	25	4	2	2.5	3.5
02	154	4	4	8.0	12.0	130	4	2	*8.0	*13.0	108	4	6	6.0	13.0	82	6	6	*4.0	*8.0	56	13	6	7.5	14.0	57	8	2	5.0	9.0	48	9	6	4.0	8.5	25	4	2	2.0	4.0
03	154	4	2	9.0	14.0	130	4	4	8.5	14.0	108	6	6	6.5	13.0	80	8	6	*6.5	*11.0	54	16	8	8.0	14.5	57	8	4	4.5	8.5	49	8	6	4.0	6.0	25	3	2	2.0	3.5
04	154	6	2	9.0	13.0	130	6	4	9.0	15.0	106	10	6	*7.0	*14.5	78	20	6	*7.5	*12.5	56	14	7	7.0	12.0	57	7	4	2.5	6.0	44	12	8	2.0	4.5	25	4	2	1.0	2.0
05	156	6	2	10.0	15.5	128	8	4	*10.0	*15.5	100	14	10	*8.5	*15.5	73	13	5	*6.0	*11.0	52	16	6	6.5	10.0	64	9	5			42	6	4	4.5	9.0	25	3	2	2.0	3.5
06	152	4	2	8.0	13.0	119	9	3	*9.0	*15.0	84	18	6	*6.0	*11.0	66	12	4	*7.5	*13.5	44	14	8	7.5	12.0	51	8	10	5.0	9.0	44	5	5	6.0	9.0	27	4	4	2.0	4.0
07	150	4	2	9.0	14.0	110	18	6	*11.5	*16.5	80	18	10	*4.5	*8.0	64	10	4	*5.5	*11.5	38	16	4	7.0	10.0	39	10	8	7.5	11.0	42	6	6	6.5	*11.0	27	3	3	4.0	6.0
08	152	2	4	10.5	14.5	110	14	6	*12.0	*14.0	84	18	10	*9.5	*16.5	65	29	5	*10.5	*16.0	32	12	2	6.5	10.5	33	9	8	7.0	10.0	36	8	3	7.0	10.0	27	5	4	4.5	6.5
09	152	2	6	*13.0	*18.0	*112					*82					*66					34	19	4	3.0	4.0	*32			6.0	10.0	*36			1.5	2.5	*23				
10	*149			*12.0	*19.0	114	20	7	*11.0	*16.5	80	27	9	*7.0	*12.5	66	10	5	*4.0	*7.0	*34			2.0	5.0	27	16	4	3.0	5.0	34	8	8			23	8	1	3.5	5.5
11	150	5	3	*11.0	*15.0	116	14	8	*11.5	*16.5	78	18	8	*1.5	*2.0	64	10	4	*6.0	*7.0	34	1	5	3.5	5.5	27	16	2	7.0	9.5	34	6	10	3.0	4.0	23	3	2	2.0	4.0
12	150	6	4	*11.5	*19.0	116	14	10	*11.5	*19.5	78	20	8	*12.5	*21.0	68	9	4	*6.0	*8.0	32	16	4	6.0	8.0	27	12	3	4.0	6.0	32	8	10			25	2	4	2.5	4.0
13	150	4	4	*11.0	*16.5	116	6	8	*7.0	*15.5	78	13	8	*6.0	*8.5	64	6	2			32	8	3	3.0	5.0	27	20	4	4.0	7.5	37	17	5			25	4	4	1.5	5.0
14	150	4	4	*11.0	*16.5	116	4	8	*8.5	*15.0	78	8	8	*10.0	*12.5	66	6	4	*6.0	*11.0	34	8	4	3.0	4.5	29	11	6	3.0	5.0	*34					27	3	4	2.5	4.0
15	152	4	4	9.5	15.0	116	6	6	*8.0	*12.0	78	10	8	*3.0	*6.0	64	4	2	*8.0	*12.5	34	5	6	5.5	7.5	31	5	6	4.5	7.0	38	6	10	0.5	1.5	29	3	5	2.0	4.5
16	152	4	2	8.0	13.0	112	8	5	*7.5	*13.5	80	12	10	*3.0	*5.5	64	4	4	*5.0	*8.5	36	7	2	4.0	7.0	41	5	13	8.0	11.0	44	7	12	1.0	3.5	29	2	4	2.0	4.5
17	152	4	2	7.5	12.0	110	12	6	*8.0	*15.0	86	12	12	*15.0	*20.5	76	8	10	*6.0	*10.0	40	4	4	2.0	3.0	57	8	5			46	10	6	4.0	7.0	29	4	2	3.0	5.0
18	154	2	4	7.0	11.0	118	8	8	7.0	17.0	96	4	12	*10.5	*18.0	83	9	13	*9.5	*18.5	44	13	4	2.0	5.5	65	4	6	7.0	11.5	46	19	4	5.5	8.5	27	4	2	2.5	4.5
19	154	2	2	*7.0	*10.0	124	4	6	*8.0	*15.0	99	7	9	*7.5	*11.0	88	14	10			52	8	8	5.0	9.0	69	8	6			46	9	4	2.5	5.5	27	2	3	2.0	4.0
20	154	4	2	7.5	10.5	126	4	4	*7.0	*15.0	102	8	6	*6.5	*10.0	96	10	18	*7.5	*15.0	52	12	4	6.0	9.0	71	8	8			49	5	5	2.0	4.5	25	4	2	2.0	4.0
21	154	6	2	8.0	12.5	128	6	4	7.0	12.0	102	10	4	*5.5	*10.0	100	4	16			56	7	8	8.5	13.0	75	6	8			46	10	4	4.0	6.0	25	4	2	1.0	3.0
22	154	2	2	*8.5	*13.0	129	5	5	7.0	12.0	104	8	4	*5.0	*9.0	94	10	8	*8.5	*19.0	54	10	6	7.0	11.0	73	12	10	3.0	6.5	49	6	5	2.5	6.0	25	3	2	2.5	4.0
23	154	2	2	*7.5	*12.5	130	6	4	7.5	12.0	106	8	6	7.0	12.0	90	14	8	*5.0	*6.0	57	7	9	6.5	7.0	59	22	4	6.5	9.0	48	5	4	3.0	6.5	25	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

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013					.051					.160					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm
00	152	6	0	*6.5-	*10.5	128	6	4	8.0	14.0	103	10	4	*6.5	*12.5	84	9	8	4.5	8.5	56	6	8	5.0	10.0	53-	4	4	4.5	7.5	46	2	4	*4.0	*6.5-	27	6	2	2.0	3.0
01	153	3	1	*8.0	*12.5	128	6	4	*10.0	*16.0	105-	10	6	*9.5	*16.5	84	8	8	6.5	12.0	55	6	7	6.5	10.0	53	4	8	*4.5	*7.5	44	6	2	*3.5	*7.5	27	4	2	*2.5-	*4.5-
02	154	4	2	*7.5-	*13.0	130	6	4	*9.5	*16.0	109	6	10	6.0	12.5	82	10	8	7.0	13.5	55	9	7	6.0	10.0	53	7	5-	*5.5-	*7.0	44	2	4	4.0	7.5	21	2	2	*2.0	*4.0
03	154	2	2	*8.5	*13.5	128	6	2	*7.5	*14.5	109	10	4	*6.5	*13.0	82	6	8			54	10	6	6.0	10.0	55	6	6	*6.0	*9.5	42	6	4	5.0	7.0	25-	2	2	2.0	3.0
04	154	4	2	9.5	14.0	130	4	4	*10.5	*16.5	105-	8	6	*10.5	*17.0	78	12	6	11.0	18.0	53	9	7	7.0	10.5	55-	6	6	*5.5-	*7.5	40	6	4	*5.5-	*9.0	25-	6	2	2.0	7.0
05	154	2	2	*11.0	*16.0	122	6	4	*10.5-	*16.5-	73	12	6			68	12	6	4.0	6.5	48	12	6	*7.0	*11.5	51	8	6	*5.0	*8.0	41	4	4	5.5	7.0	21	4	2	*2.5-	*4.5-
06	150	2	0	*10.5-	*16.0	118	6	6	*14.0	*25.0	91	11	14	*9.5	*15.5	66	13	2	4.0	7.5	40	11	5	7.5	11.5	37	9	4	*6.0	*10.5	40	6	6	4.5-	7.5	21	4	2	*1.0	*2.5-
07	150	4	2	*10.0	*15.5	116	8	10	*16.5	*21.0	91	8	16	*11.0	*17.0	66	14	2			36	6	2	8.0	12.0	31	6	6	*7.0	*7.0	40	4	8	*4.5	*7.0	25-	4	2	*3.0	*5.5-
08	150	4	2	*8.5	*14.0	116	8	8	*13.5	*20.0	91	11	12	*8.0	*15.0	66	11	2	2.5	6.0	30	4	2	*5.0	*8.0	29	6	5-	*6.5-	*11.0	36	8	7	*10.0	*12.5	25-	4	2	3.5	5.5
09	150	6	2	*11.0	*18.0	*114			*18.0	*25.0	*91					68	8	4	7.5	12.0	30	4	2			27	6	4	*5.5-	*8.0	*32					*25			*1.0	*4.5-
10	150	4	2	*7.0	*16.0	117	7	6	*2.0	*2.5	90	7	11	*15.5	*23.0	60	3	3	12.5	19.0	30	8	2	*6.5	*7.0	25	8	2	*7.0	*11.0	29	10	7			23	4	2	*2.5-	*4.5-
11	152	2	4	*11.5	*17.0	120	6	10	*11.0	*18.5-	85	12	6			66	7	4	5.0	10.0	32	8	4	*5.0	*7.5	27	10	4	*7.5	*10.0	32	7	14	*5.5	*8.0	23	5	2	*3.0	*5.0
12	150	4	2	*13.5	*22.0	116	10	4	*14.0	*22.0	84	17	7	*16.0	*21.0	68	4	4	2.5	8.0	30	12	2	*5.5-	*8.0	26	4	3	*7.0	*7.5	34	8	15-	*4.5-	*7.0	25-	4	2	*2.5-	*4.0
13	150	2	2	11.5	18.0	116	8	6	*16.0	*25.0	85	14	10	*6.0	*10.5	66	3	4	2.5-	8.0	30	4	2	*3.5-	*6.0	27	4	6	*6.5-	*7.0	33	7	8	*6.0	*7.0	23	2	2	*2.0-	*4.5-
14	152	2	2	12.5	20.5	118	4	6	*16.5-	*25.5	86	16	11	*13.5	*21.0	68	10	4	5.5-	8.0	30	7	2	*3.0	*6.5-	27	10	4	*4.0-	*6.5-	34	6	10	*5.0	*7.5	25-	3	2	*2.5-	*4.0
15	152	4	2	*10.5	*17.0	118	4	6	*11.0	*17.5	85	14	10	*10.0	*17.0	66	8	2	8.5	14.0	30	8	2	*4.5-	*6.5-	27	6	2	*5.5-	*9.0	37	10	5-	*5.0	*7.5-	27	2	4	*3.0	*5.0
16	154	2	2	*10.0	*16.5-	116	14	8	*14.0	*14.0	87	12	12	*9.5	*16.0	68	10	4	5.5-	9.5-	36	4	4	*6.5-	*7.0	36	14	5	*7.0	*7.5-	44	8	6	*5.5-	*8.0	27	4	2	3.0	5.0
17	154	4	2	*8.0	*14.0	114	8	6	*14.5	*17.5	87	12	9	*0.5	*1.0	72	11	4	3.5	6.5	28	6	4	*7.5-	*11.0	45-	6	6			44	10	4	*6.5-	*7.5	27	4	2	*3.5-	*6.0
18	154	2	4	*7.0	*12.0	116	14	6	*13.5	*19.0	73	14	7	*7.0	*15.0	80	7	8	3.5	7.0	44	8	4	*8.0	*12.0	59	10	8	*12.0	*18.0	46	8	4	*4.0	*7.0	29	2	2	3.0	5.0
19	154	4	2	*7.0	*12.0	120	16	3	*11.0	*17.5	77	14	4	*7.0	*16.5	84	9	6	10.5	16.0	48	10	6	*8.5	*11.5	67	6	8	*7.5	*14.0	46	4	2	*3.5	*6.5-	27	4	2	3.0	5.0
20	156	4	4	*6.5	*12.0	126	10	4	*7.5	*14.5	101	13	4	*8.5	*13.0	86	7	6	6.0	11.5	52	10	6	*7.5	*11.5	69	4	6	*10.0	*16.0	46	4	2	4.5-	7.5	27	2	4	*2.5-	*4.0
21	154	5	2	*7.5	*12.5	128	8	4	*9.5	*17.0	103	8	5-	*5.0	*10.0	88	6	6	7.5	15.0	54	8	2	*6.0	*10.5-	73	6	10	*5.5-	*11.0	46	4	4	*4.0	*7.5-	25-	3	2	1.5-	3.0
22	154	6	2	*7.5-	*13.0	128	6	4	*7.5-	*12.5-	104	9	7	*5.0	*10.5	90	8	8	8.0	15.0	56	8	6	*6.0	*7.5-	75	6	11			44	6	0	*7.0	*7.0	27	4	4	*2.0	*4.0
23	154	6	2	*7.0	*12.0	128	6	4	*8.0	*13.0	103	10	6	*8.5	*14.0	84	10	6	9.0	17.5	54	10	6	*6.5-	*11.0	61	12	10	*6.0	*9.0	46	4	4	4.0	7.0	25-	5-	0	1.5-	3.5-

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

MONTH-HOUR VALUES OF RADIO NOISE

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

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*	.545 Fam	.545 Du	.545 Dℓ	.545 Vdm*	.545 Ldm*
00	156	4	2	11.0	16.0	132	4	4	6.5	11.0	109	6	7	7.0	11.5	83	10	8	3.5	7.0
01	156	4	3	6.5	12.0	132	4	4	5.0	9.5	109	6	6	7.0	12.5	83	11	8	6.0	11.0
02	156	4	2	9.5	14.0	132	4	4			109	7	6	7.5	12.0	83	9	13	3.5	6.5
03	156	3	4	10.0	16.0	132	5	6	8.0	11.5	109	5	7	6.0	11.0	81	10	12	2.0	5.0
04	158	4	2	8.0	14.0	130	6	7	5.5	10.5	103	7	10	7.5	13.0	69	7	10		
05	156	2	4	10.0	16.5	128	8	6	9.0	15.5	89	12	11	6.5	9.5	65	4	3	3.0	6.5
06	154	4	3	11.0	17.5	124	13	7	9.0	16.0	89	12	16			67	7	5		
07	154	4	4	11.0	16.0	116	11	9	10.0	15.0	93	10	16	9.0	13.0	67	8	4		
08	154	6	4	8.5	13.0	120	10	12	13.0	17.0	91	12	12	8.0	11.0	67	6	5	4.0	7.5
09	154	4	3	6.5	11.5	*121					*87			12.5	18.0	*69			7.0	12.0
10	152	6	2	11.0	17.0	120	4	10			83	13	4	11.0	19.0	67	5	4		
11	152	4	2	12.0	18.0	120	6	6	12.0	19.5	83	13	4	7.0	13.0	65	9	4	15.5	20.0
12	154	3	5	11.5	19.0	120	9	6	15.0	22.0	83	12	7	6.0	11.0	69	6	4		
13	154	4	3	11.5	18.0	122	8	6	14.0	21.0	85	17	6	12.0	21.0	67	9	4	18.0	30.0
14	154	4	2	12.5	19.5	121	8	3	6.0	10.0	87	16	8	7.0	12.0	67	2	4	19.0	30.0
15	156	3	2	12.5	19.0	122	9	4	8.5	14.0	85	20	4	8.0	12.5	67	10	6	3.5	6.0
16	158	2	4	7.0	12.0	122	8	5	9.5	15.0	87	15	8	4.0	8.0	67	9	5	11.5	18.0
17	158	2	4	8.0	11.5	120	9	8	10.0	14.5	85	19	7	7.5	13.5	67	11	5	6.0	11.0
18	156	4	2	6.0	10.5	116	14	7	6.0	10.5	87	20	8	8.0	14.5	69	19	4	11.0	17.0
19	156	5	4	7.0	12.5	122	15	4	5.5	10.0	99	15	7	6.0	13.5	77	13	6	4.0	8.0
20	156	4	2	9.0	14.5	128	10	4	11.0	18.0	105	8	7	4.0	7.5	78	9	4	5.5	12.0
21	158	2	4	7.5	13.5	130	7	4	13.0	20.0	107	8	6	6.0	12.0	83	7	6	10.0	15.0
22	157	3	3	9.5	14.5	131	5	4	6.5	12.5	107	8	4	12.0	19.0	85	10	9		
23	156	4	2	8.0	13.5	132	4	5	9.0	15.0	109	5	6	11.0	18.5	85	8	7	11.5	16.0

Hour (LST)	2.5 Fam	2.5 Du	2.5 Dℓ	2.5 Vdm	2.5 Ldm	5 Fam	5 Du	5 Dℓ	5 Vdm	5 Ldm	10 Fam	10 Du	10 Dℓ	10 Vdm	10 Ldm	20 Fam	20 Du	20 Dℓ	20 Vdm	20 Ldm
00	58	8	8	6.0	11.0	57	6	5	6.0	10.0	46	5	4	*4.0	*7.5	26	4	2	2.0	4.0
01	58	9	6	7.0	12.0	55	8	4	6.0	9.5	46	4	6	5.0	8.0	24	6	2	1.5	3.0
02	58	9	6	8.5	13.5	55	8	5	6.5	13.0	44	4	4	*5.0	*9.0	24	4	2	1.5	3.0
03	56	10	6	*8.0	*12.5	55	8	6	7.0	11.0	42	6	4	*4.5	*8.0	24	2	2	1.5	3.0
04	54	9	5	5.0	10.0	53	10	12	5.5	9.0	44	5	6	5.5	9.0	24	2	2	1.5	3.0
05	42	10	2	*6.0	*10.5	47	6	6	*5.0	*8.5	42	5	7	*5.5	*9.0	24	5	2	2.0	3.5
06	38	7	4	*8.0	*11.5	37	11	6	*6.5	*10.0	36	7	7	*5.0	*10.0	24	4	2	2.0	3.5
07	34	7	4	7.5	11.5	35	10	7	*7.5	*11.0	30	13	4	*5.0	*8.5	24	4	2	2.0	3.5
08	30	10	2	*3.0	*5.0	32	5	5	*6.0	*8.0	28	10	4	4.0	7.0	24	2	3	*1.5	*3.0
09	30	5	2	*4.0	*5.0	*31			*6.5	*9.0	*28					*22			*2.5	*4.0
10	32	2	4	*4.0	*6.0	31	3	6	5.5	7.5	26	11	4	*3.0	*6.5	22	5	2	*2.0	*4.0
11	32	6	2	*3.0	*5.0	30	5	5	*6.5	*9.0	26	10	5	*2.0	*4.0	22	7	2	*2.0	*4.0
12	32	5	4	*6.0	*8.5	29	6	2	*6.5	*8.5	25	8	4	*3.5	*6.0	22	6	2	2.0	4.0
13	30	7	2	*4.0	*6.0	30	12	5	*6.0	*8.0	26	9	4	*4.0	*7.0	24	4	4	2.0	3.0
14	30	14	2	*3.5	*5.5	29	8	4	*5.5	*7.5	30	8	4	*4.0	*6.5	24	6	4	3.5	4.0
15	32	13	2	*3.0	*6.0	33	11	8	*5.0	*7.5	33	8	5	*5.0	*8.0	26	7	3	*3.0	*5.0
16	34	6	4	*7.0	*10.0	35	6	8	*8.0	*11.0	36	10	3	*4.0	*7.0	28	5	4	*3.0	*5.5
17	36	11	3	6.5	10.0	43	12	8	*3.0	*5.5	42	7	3	*3.0	*6.0	28	7	2	*3.5	*5.5
18	42	8	6	*8.0	*11.0	49	9	6	*5.0	*9.0	44	6	2	*3.5	*6.0	28	5	4	3.0	5.0
19	47	18	6	*7.0	*12.0	61	10	7	*7.0	*12.0	46	6	2	6.0	9.5	27	5	3	3.0	5.0
20	52	12	6	7.5	12.0	71	4	8			48	4	3	*6.0	*9.0	26	3	3	*2.0	*4.0
21	54	12	4	*7.0	*12.0	74	4	9	*4.0	*10.0	48	2	4	*5.0	*8.5	26	2	2	2.5	4.0
22	56	10	4	6.0	10.0	75	7	7	*6.0	*15.0	46	6	0	*4.5	*7.5	26	5	2	2.0	4.0
23	56	10	4	6.0	10.5	61	16	7	*6.0	*10.5	46	4	2	4.0	7.0	26	4	2	*2.0	*4.0

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Hour (LST)	Frequency (Mc)																																	
	.051					.113					.246					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	129	6	4			111	10	3			102	6	8			90	6	6			61	2	8			51	4	4			48	6	4			21	2	0		
01	129	6	4			113	6	5			100	8	6			86	8	4			59	6	8			51	4	4			46	9	2			21	0	0		
02	127	6	6			111	10	8			98	6	6			86	8	6			57	8	6			50	5	5			46	2	2			21	0	0		
03	127	4	5			109	6	6			96	8	8			86	6	8			57	6	4			49	6	4			44	3	4			21	0	0		
04	127	5	6			109	8	6			94	8	12			82	8	6			57	8	4			50	5	6			44	2	5			21	0	0		
05	123	6	5			106	10	7			91	7	11			75	9	8			53	6	4			49	6	8			42	4	6			21	0	0		
06	119	8	8			97	12	10			67	21	3			56	2	2			44	7	11			45	8	8			44	6	6			21	2	0		
07	115	8	6			85	18	10			64	18	0			56	2	2			33	10	4			31	8	5			38	8	3			21	4	0		
08	*114					82	18	5			64	26	0			*56					*29					23	10	4			*30					*21				
09	114	9	6			83	20	6			64	18	0			56	0	2			32	11	4			21	6	2			26	10	4			21	0	0		
10	115	8	9			87	12	9			66	16	2			54	4	0			32	11	4			21	2	4			26	5	6			21	0	0		
11	117	10	10			91	18	8			66	20	2			56	16	2			33	10	4			20	3	3			26	8	8			21	0	0		
12	122	7	9			98	13	13			84	14	20			58	21	4			33	10	2			21	8	4			32	4	10			21	2	0		
13	127	10	10			111	10	16			97	13	27			76	18	22			39	18	8			25	14	8			36	4	10			23	2	2		
14	131	8	10			116	11	14			102	14	22			83	15	27			44	19	14			31	17	12			40	10	7			23	4	2		
15	133	8	8			118	11	11			105	13	19			90	12	22			47	18	16			35	18	11			44	8	7			27	4	6		
16	135	8	10			119	12	10			106	14	18			86	18	24			53	17	20			41	16	14			48	6	6			27	2	4		
17	136	7	7			121	10	12			106	10	19			84	18	24			52	17	17			49	8	10			50	4	4			25	6	2		
18	133	11	8			121	12	17			105	15	21			88	18	12			61	6	14			54	5	5			54	4	4			27	8	4		
19	133	10	5			119	10	8			104	14	6			92	11	8			65	8	6			55	4	6			52	4	4			25	6	2		
20	133	9	6			117	11	6			104	11	7			92	11	8			65	6	6			55	4	8			50	4	2			25	4	4		
21	131	9	4			117	11	8			104	10	6			94	8	6			65	8	8			54	5	5			48	4	2			23	6	2		
22	131	6	6			115	8	6			104	8	6			94	4	9			63	4	6			53	6	4			49	5	3			21	4	0		
23	131	6	6			115	5	7			103	5	7			92	8	8			61	6	6			53	4	4			48	6	2			21	6	0		

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Hour (LST)	Frequency (Mc)																																					
	.051					.113					.246					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	129	17	6			114	12	10			102	12	8			89	12	8			57	13	6			48	10	6			35	7	4			22	0	2		
01	130	10	8			116	10	10			104	12	11			87	12	8			57	10	6			47	10	5			35	3	4			22	1	2		
02	131	8	8			117	9	13			100	12	6			87	11	7			54	7	7			48	9	6			35	2	6			22	0	2		
03	131	8	10			114	12	12			102	12	12			87	15	9			59	8	7			48	10	6			31	6	3			22	1	2		
04	131	12	12			116	9	14			100	14	16			87	12	9			58	10	5			48	7	5			*33					22	2	2		
05	129	12	12			112	14	14			96	14	14			80	16	5			59	10	7			46	14	5			*38					22	0	2		
06	123	16	10			106	17	26			80	30	16			57	34	4			48	16	18			46	9	18			36	11	7			22	2	2		
07	119	18	12			102	25	24			76	36	12			55	36	2			41	14	12			26	20	6			31	14	4			22	3	2		
08	119	18	13			94	28	18			72	26	8			56	33	3			41	8	14			29	17	9			*30					22	4	4		
09	119	25	12			90	35	16			68	44	4			55	29	2			*33					*22					23	17	6			22	2	4		
10	119	15	12			91	34	15			64	30	2			55	15	2			31	26	4			20	22	2			21	16	6			22	1	4		
11	117	14	11			94	21	16			67	31	3			55	28	2			37	15	9			20	10	2			20	15	6			22	2	4		
12	121	12	10			107	13	25			87	22	23			59	32	6			33	10	3			22	8	3			23	13	7			22	4	4		
13	125	4	11			110	12	24			92	17	28			65	26	12			41	12	10			24	8	5			24	14	10			22	3	4		
14	128	13	8			110	18	24			98	14	34			64	30	11			41	22	7			28	20	7			30	9	13			22	6	2		
15	129	15	10			114	15	30			94	24	30			72	28	19			43	27	8			33	18	13			33	8	14			24	6	2		
16	130	14	10			114	17	26			99	21	35			76	29	23			45	26	11			40	10	20			38	9	7			24	4	2		
17	129	14	12			115	15	25			98	19	34			78	26	23			51	22	8			46	11	16			39	10	5			24	6	2		
18	129	16	11			116	16	22			100	22	21			87	19	15			62	11	15			52	10	10			29	8	2			25	5	2		
19	131	12	6			115	15	11			102	22	15			92	17	16			65	9	9			53	4	11			41	9	4			25	3	2		
20	131	12	6			115	17	9			104	16	12			93	12	14			65	7	8			51	7	10			41	6	4			24	2	2		
21	132	11	7			114	18	6			104	14	10			91	14	10			62	8	6			50	8	5			39	8	4			24	5	2		
22	131	13	6			115	17	8			102	16	8			92	12	10			61	10	6			48	13	6			37	8	2			22	3	2		
23	129	12	6			112	16	6			102	16	8			89	11	4			60	12	7			48	12	6			35	6	3			22	1	2		

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.051					.113					.246					.545				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	127	12	10			109	14	12			94	16	8			87	14	8		
01	126	11	9			110	12	12			96	13	11			87	12	8		
02	127	10	9			109	14	12			94	13	8			88	11	7		
03	126	11	8			107	15	10			95	13	9			87	10	8		
04	127	8	10			110	10	12			94	12	12			85	11	6		
05	125	10	8			107	12	8			90	15	6			83	12	6		
06	121	10	11			99	16	9			76	21	11			57	22	4		
07	113	18	8			87	30	16			64	28	2			53	18	2		
08	115	16	15			83	33	12			70	24	8			55	17	2		
09	112	19	11			87	27	16			66	26	4			55	12	2		
10	109	19	7			79	32	8			62	26	0			55	8	2		
11	114	15	11			81	27	10			62	22	0			55	6	4		
12	118	8	14			87	27	14			62	25	0			55	23	2		
13	117	14	9			90	29	14			66	37	4			55	32	2		
14	118	18	7			93	29	17			69	35	7			55	36	2		
15	119	17	6			97	24	21			70	35	8			55	36	2		
16	119	18	7			97	25	20			72	33	10			55	37	2		
17	118	19	5			99	22	20			76	29	14			70	24	11		
18	125	13	13			107	14	17			86	21	13			83	16	9		
19	127	12	8			110	13	11			92	18	15			87	14	12		
20	129	9	10			111	14	12			94	16	15			91	10	12		
21	127	12	9			111	12	13			95	15	14			89	12	9		
22	128	9	11			111	12	16			98	12	14			89	11	9		
23	129	10	12			109	14	14			96	16	12			89	12	12		

Hour (LST)	2.5					5					10					20				
	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}
00	55					45					27					21				
01	55					43					27					21				
02	53					45					27					21				
03	53					45					27					21				
04	55					47					25					21				
05	53					43					25					21				
06	39					43					29					21				
07	31					31					31					21				
08	31					23					25					21				
09	27					20					23					21				
10	31					19					20					21				
11	31					17					19					21				
12	31					19					21					21				
13	31					19					21					21				
14	29					19					24					21				
15	31					21					29					23				
16	35					20					35					23				
17	45					39					37					23				
18	55					46					37					23				
19	58					45					35					21				
20	55					45					33					21				
21	55					43					33					21				
22	53					43					29					21				
23	59					43					27					21				

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 March 19 60

Frequency (Mc)

Hour (LST)	.051										.246					.545				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	128	2	4								98	4	6			88	4	7		
01																				
02	128	6	4								98	4	6			85	5	5		
03																				
04	128	4	4								98	5	8			84	6	6		
05																				
06	126	4	4								88	10	6			72	10	6		
07																				
08	112	9	3								82	5	6			*64				
09																				
10	114	4	8								82	6	4			72	4	15		
11																				
12	116	6	8								83	7	6			78	8	18		
13																				
14	120	6	10								84	12	7			78	6	23		
15																				
16	118	12	10								86	12	8			82	4	18		
17																				
18	118	17	9								88	11	4			80	11	8		
19																				
20	124	8	4								94	8	4			86	6	4		
21																				
22	126	6	4								96	10	4			90	4	4		
23																				

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																				
01	62	5	8			58	2	6			46	2	2			29	5	3		
02																				
03	60	6	8			60	2	8			46	3	3			30	5	4		
04																				
05	62	4	8			56	4	2			46	2	4			26	2	0		
06																				
07	44	14	4			48	6	6			42	4	2			32	13	5		
08																				
09	38	5	4			28	10	2			36	14	10			40	6	10		
10																				
11	35	5	5			22	6	1			33	15	7			34	14	4		
12																				
13	36	6	6			24	8	4			31	7	5			40	8	14		
14																				
15	38	2	4			30	8	6			38	13	8			41	9	11		
16																				
17	42	6	4			40	9	6			46	11	4			46	8	13		
18																				
19	60	8	8			56	8	6			50	7	5			38	18	6		
20																				
21	60	6	4			56	7	4			46	7	2			34	8	6		
22																				
23	60	7	4			56	3	4			46	4	2			28	6	2		

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.051										.246					.545				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	126	3	4								95	6	4			84	3	4		
01																				
02	125	4	2								94	5	3			82	2	4		
03																				
04	125	2	2								91	6	2			78	6	4		
05																				
06	117	3	4								87	4	6			64	17	4		
07																				
08	111	4	4								89	2	15			68	17	12		
09																				
10	115	6	4								87	4	9			60	16	6		
11																				
12	119	8	4								87	13	10			67	19	13		
13																				
14	121	10	5								87	17	6			72	20	18		
15																				
16	119	12	4								87	18	10			76	15	20		
17																				
18	115	13	4								89	10	9			75	9	11		
19																				
20	125	3	2								93	8	4			84	8	3		
21																				
22	125	4	3								95	4	4			86	3	4		
23																				

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																				
01	59	4	5			57	4	5			44	4	6			27	11	2		
02																				
03	57	8	5			58	4	7			44	9	6			25	6	0		
04																				
05	55	6	5			54	5	6			40	6	7			27	3	1		
06																				
07	41	12	8			33	6	4			36	4	6			29	10	4		
08																				
09	35	15	4			27	33	4			30	6	6			29	18	4		
10																				
11	33	9	4			29	27	6			28	6	7			31	14	5		
12																				
13	33	15	4			25	21	4			28	13	6			33	10	8		
14																				
15	35	15	4			33	24	9			36	6	4			32	17	5		
16																				
17	41	11	4			43	13	9			44	6	4			32	18	6		
18																				
19	55	11	2			55	5	3			46	4	3			35	19	8		
20																				
21	59	5	3			55	4	4			44	4	4			29	14	4		
22																				
23	59	5	4			57	2	6			42	6	4			27	6	2		

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Hour (LST)	Frequency (Mc)																																					
	.051										.246					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	130	2	4								94	4	6			82	5	5			60	8	4			54	7	5			47	4	5			33	9	5		
01	130	4	2								94	4	4			82	4	4			60	8	4			54	4	4			48	4	6			31	14	5		
02	128	3	2								94	5	6			80	6	2			61	7	7			54	4	2			48	4	4			32	11	4		
03	128	2	4								94	5	4			82	6	6			60	8	8			54	5	6			46	4	5			30	13	4		
04	128	3	4								92	6	6			80	4	7			59	9	7			54	4	4			46	4	4			30	9	4		
05	128	2	6								80	8	4			64	16	6			53	15	6			52	4	6			44	5	6			30	10	2		
06	118	6	4								78	6	4			83	9	27			42	24	2			40	6	4			42	4	4			35	11	7		
07	114	8	4								78	4	4			71	18	18			38	26	2			27	7	3			34	6	5			32	16	4		
08	116	5	4								76	4	4			80	8	28			36	23	4			26	15	4			31	9	8			32	16	6		
09	118	4	4								78	6	6			82	6	28			34	23	4			24	7	2			28	11	5			39	10	12		
10	118	6	4								76	4	2			68	15	14			34	18	2			24	7	4			28	7	5			32	16	6		
11	120	4	6								76	12	6			83	6	25			32	15	2			22	8	2			28	8	6			36	10	10		
12	122	4	4								78	15	4			86	4	30			36	12	6			24	6	4			28	10	4			36	12	9		
13	124	10	6								80	26	6			84	9	27			36	15	6			26	9	6			34	8	11			38	11	8		
14	124	8	6								82	23	8			84	10	22			39	15	7			28	12	8			36	6	12			37	14	10		
15	126	12	8								84	24	10			83	13	21			36	24	6			30	18	9			38	6	12			39	13	9		
16	126	10	8								86	20	8			84	10	28			42	14	10			34	12	11			42	6	10			42	10	10		
17	126	12	8								88	26	14			86	12	30			40	20	5			40	13	14			44	8	8			40	14	6		
18	122	14	10								86	21	12			84	10	22			52	11	10			50	7	12			50	4	7			46	6	12		
19	122	12	10								88	22	8			88	6	10			54	10	5			52	6	5			50	4	7			46	10	12		
20	128	8	7								96	13	8			86	6	8			62	10	6			56	6	11			50	6	6			43	14	14		
21	130	4	7								98	4	8			88	4	6			62	9	9			54	6	8			48	3	4			36	12	8		
22	128	4	5								96	6	5			88	3	5			64	4	12			56	4	14			48	2	4			36	10	6		
23	129	3	7								96	4	8			87	5	9			62	6	8			54	6	9			46	4	5			34	12	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 São José, Brazil Lat. 23.3 S Long. 45.8 W Month March 1960

Hour (LST)	Frequency (Mc)																																					
	.051					.113					.246					.545					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	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm
00	134	8	4	10.0	16.5	123	4	8	8.0	15.0	105	6	12	8.0	15.0	90	2	8	6.0	12.0	62	4	6	8.5	15.0	55	6	4	7.0	11.0	45	6	2	5.0	10.0	28	2	4	5.0	8.0
01	*133			11.0	18.5	119	6	4	11.0	17.5	103	6	8	8.0	16.0	88	2	6	8.5	13.0	62	4	4	6.0	13.0	57	4	6	6.0	12.0	47	4	6	5.0	10.0	*30			5.0	8.0
02	136	4	8	10.0	17.5	121	6	8	8.5	16.0	103	8	10	9.0	16.0	86	6	6	7.5	13.5	62	4	4	8.5	14.0	55	4	2	6.5	12.0	45	2	2	6.0	11.0	26	4	2	4.5	7.5
03	*133			11.0	18.5	119	6	2	11.5	18.0	101	8	4	10.0	17.5	86	6	6	7.5	15.0	60	6	4	6.5	15.0	56	5	5	8.5	13.5	44	9	5	7.0	11.5	*28			3.5	6.5
04	134	4	4	11.0	18.0	117	6	4	10.0	17.0	*99			9.5	17.0	84	4	4	8.5	15.0	60	2	6	7.5	14.0	55	4	4	7.5	12.5	41	6	4	6.5	12.0	*26			3.5	5.5
05	*131			12.0	18.0	115	8	4	10.0	17.5	93	10	4	11.0	18.5	77	9	5	7.5	14.0	60	4	9	7.0	14.0	54	7	3	7.5	15.0	43	6	10	4.5	9.5	*24			2.5	4.0
06	126	6	4	12.5	19.5	107	4	6	8.0	13.5	*82			6.0	10.0	*85			*5.0	*9.0	50	6	8	8.0	14.0	53	4	4	7.0	12.0	*43			6.0	10.0	*28			3.0	6.5
07	*125			13.5	20.0	99	14	6	5.5	10.0	79	14	6	7.5	10.0	80	2	6	*7.0	*11.5	43	6	9	5.0	9.5	45	8	6	7.0	11.0	41	4	4	5.0	9.5	28	6	4	4.0	7.0
08	122	6	4	13.0	19.0	*105			7.0	13.0	*83			*7.5	*12.5	*78			*4.5	*9.5	*37			9.0	12.5	*39			5.5	11.0	*35			*4.5	*7.5	*26			*3.0	*6.5
09	*114			15.0	21.5	*99			5.0	9.5	*81			10.0	11.5	*81			*8.0	*12.5	*34			*4.0	*7.5	*37			*5.0	*10.0	*37			*4.0	*9.0	*28			3.5	7.5
10	125	7	9	12.0	19.0	106	11	8	7.5	13.0	85	14	12	7.5	13.5	82	4	6	*8.5	*13.5	34	4	4	8.0	11.0	37	4	6	9.0	13.0	*32			5.0	8.0	*26			5.0	7.5
11	122	6	4	12.0	19.0	*102			6.5	11.0	*81			5.5	9.5	81	5	7	*7.0	*12.5	*33			5.0	7.5	31	6	4	*4.0	*10.0	33	6	4	7.5	11.0	*25			5.0	9.0
12	129	7	5	12.5	20.0	113	8	8	11.0	18.0	*90			9.5	18.5	*82			*9.0	*15.0	*31			5.0	7.5	*30			6.0	10.0	*31			8.0	11.0	*27			*5.5	*8.5
13	*126			13.0	19.5	*113			12.5	17.5	99	26	20	12.5	19.0	*90			10.5	17.5	*43			*6.5	*10.0	41	16	10	10.0	14.0	*35			6.0	10.0	26	12	2	5.0	7.5
14	137	9	9	12.0	18.0	123	8	18	13.5	20.5	*102			10.0	18.0	*91			9.0	14.5	*43			8.0	12.5	41	28	8	8.5	14.0	38	16	7	7.0	11.5	30	16	4	7.0	9.0
15	137	23	7	12.5	18.5	*123			14.0	20.0	*106			15.0	21.0	96	16	10	14.0	20.5	58	32	28	*8.5	*14.5	47	25	8	7.5	10.5	41	24	4	7.5	12.5	30	16	4	3.5	7.5
16	*138			11.5	17.5	123	14	14	11.5	19.0	*99			11.0	16.5	*89			*11.5	*18.5	56	28	22	12.5	17.5	54	15	11	8.5	15.5	46	9	5	7.5	11.0	36	6	6	5.0	11.0
17	*138			13.0	19.0	125	8	16	13.0	20.0	105	12	24	*12.5	*20.0	91	9	11	13.0	20.0	*52			9.0	15.0	*53			7.5	11.5	47	10	4	5.5	10.0	34	8	6	5.0	8.5
18	132	8	2	11.0	17.5	119	6	12	10.0	18.0	97	10	8	10.0	17.5	88	4	8	7.5	12.0	59	11	7	8.0	15.0	59	4	4	5.5	10.0	49	6	4	7.5	12.0	32	32	4	4.0	7.5
19	135	7	5	10.5	17.5	117	14	4	10.0	17.0	101	16	6	10.0	16.0	86	12	2	7.5	12.5	66	6	4	7.0	12.5	61	6	4	5.0	10.0	49	12	2	5.0	9.5	32	6	6	4.5	8.0
20	137	5	5	8.0	14.0	123	4	6	7.0	13.0	103	6	6	7.5	15.0	90	6	6	6.0	11.0	66	4	8	5.0	12.0	59	2	4	5.0	10.0	47	4	0	4.5	9.0	*30			4.0	7.0
21	*134			10.0	17.5	119	8	2	8.5	17.5	103	8	4	8.0	16.0	90	8	6	7.0	12.5	64	6	6	5.0	10.5	59	6	0	5.0	9.0	47	2	2	5.0	10.0	30	4	2	4.0	7.5
22	138	4	8	9.0	16.0	123	4	6	7.0	14.0	107	4	14	8.0	15.0	92	6	8	6.0	12.0	*62			6.0	12.5	59	2	4	7.0	11.0	45	6	0	5.5	10.0	30	12	4	4.0	7.5
23	*133			10.0	16.0	121	6	6	10.0	17.0	105	6	6	8.0	16.0	92	6	8	6.5	12.5	64	4	8	5.5	11.0	59	4	2	5.0	9.5	47	4	2	6.0	10.0	30	6	2	4.0	7.5

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Hour (LST)	Frequency (Mc)																																					
	.051					.113					.246					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*
00	123	9	7	11.0	17.0	112	10	9	10.0	16.0	99	11	10	9.0	16.0	83	7	8	7.0	12.0	55	11	5	7.5	14.5	53	4	6	6.5	12.0	46	3	5	6.0	10.0	27	5	4	4.5	8.0
01	122	10	6	10.0	16.0	110	12	7	9.0	14.5	97	13	8	8.0	15.0	83	14	8	7.0	11.0	55	13	5	8.0	15.5	49	9	3	7.5	15.0	44	7	3	7.0	12.5	27	6	2	4.0	7.5
02	122	10	4	12.0	18.5	109	16	4	9.0	15.0	97	11	10	8.5	15.0	79	9	4	8.5	16.0	55	10	6	12.5	19.5	49	11	3	9.5	15.0	44	6	5	6.0	10.0	27	8	4	6.0	9.0
03	121	10	5	11.0	17.5	109	17	6	11.5	16.5	95	13	7	11.0	18.5	79	14	4	9.0	15.0	55	11	5	8.0	17.0	51	7	5	7.5	17.5	42	6	4	6.5	10.0	25	4	4	3.0	5.0
04	120	12	4	13.0	20.0	108	18	6	9.5	16.0	95	14	7	11.0	19.5	77	12	4	10.5	17.0	53	9	7	10.0	17.0	53	5	5	10.0	17.0	41	5	4	8.0	14.0	24	1	3	3.5	6.0
05	118	13	2	13.0	19.0	107	15	7	10.0	17.5	93	13	13	10.5	18.0	79	11	12	9.0	15.0	53	9	8	10.0	19.0	49	9	4	7.0	13.0	38	4	4	7.0	8.5	25	2	4	2.0	4.0
06	115	10	5	12.5	19.0	95	16	4	6.5	12.0	75	16	8	4.0	7.0	76	15	6	*6.0	*10.0	49	8	7	11.0	17.0	51	9	6	6.0	11.0	42	7	5	8.0	12.0	25	3	2	5.0	7.0
07	110	13	6	12.0	19.0	93	16	5	5.0	8.5	73	20	5	4.5	7.5	73	10	5	*6.5	*10.0	39	9	2	5.0	9.5	47	4	7	4.5	11.5	40	5	4	5.0	8.0	27	5	5	4.5	8.5
08	102	18	2	10.0	16.0	93	15	5	6.0	10.5	75	14	8	4.0	6.5	*75			*6.0	*10.0	37	4	7	6.0	9.5	41	2	7	9.5	16.0	38	6	4	7.0	10.0	27	4	4	6.0	10.0
09	108	13	8	12.5	19.5	97	11	7	7.5	10.0	75	9	8	4.0	6.5	75	12	12	*9.5	*14.0	31	5	4	4.0	7.0	36	10	7	4.0	8.5	36	4	5	6.5	11.0	25	7	5	2.5	6.0
10	106	19	4	9.5	16.0	91	16	2	8.0	12.0	75	10	8	7.0	12.0	71	12	7	*5.0	*9.0	34	5	6	6.0	9.0	35	3	3	7.5	12.5	34	2	3	6.5	9.5	24	8	4	5.0	9.0
11	107	13	7	11.5	16.5	93	16	6	6.0	12.0	75	12	6	5.5	8.0	75	17	8	8.5	13.0	31	4	5	5.0	7.5	31	7	0	5.0	10.0	32	6	4	7.0	12.5	22	6	5	5.0	10.0
12	110	17	8	12.0	19.0	94	13	5	6.5	11.5	73	19	6	4.5	7.5	75	14	8	5.0	8.5	31	4	4	5.0	7.5	32	5	2	5.5	8.5	32	3	4	7.5	10.5	25	2	7	7.0	10.0
13	114	12	8	14.5	20.5	99	15	9	8.5	12.5	75	15	6	6.0	8.0	83	5	15	*7.5	*10.0	33	8	7	4.0	7.5	35	10	6	7.0	13.0	32	10	4	5.5	9.5	25	4	6	4.0	7.0
14	118	18	8	12.0	21.0	97	14	9	8.0	10.5	74	22	5	5.0	7.5	85	6	21	*7.5	*12.0	33	10	6	5.5	8.5	35	11	4	10.5	15.0	36	5	4	7.0	12.0	27	4	4	6.0	9.5
15	118	12	6	11.5	18.5	101	23	8	8.0	13.5	76	28	9	10.0	14.5	81	13	12	*12.5	*19.0	31	15	4	7.0	11.0	41	9	6	8.5	12.5	38	8	6	6.0	10.0	29	4	5	4.5	7.5
16	118	18	4	11.0	18.0	98	26	7	8.0	12.0	75	26	6	6.5	10.0	85	7	14	*9.0	*14.5	35	19	8	5.0	8.0	45	8	8	8.5	12.0	42	4	6	7.0	11.0	30	5	3	6.0	9.0
17	116	13	2	10.5	16.5	98	24	7	9.0	16.0	80	27	9	7.5	15.0	81	14	12	8.5	15.0	43	21	9	8.0	16.0	50	7	5	7.5	11.0	44	6	4	5.5	10.0	31	5	5	5.0	7.5
18	118	16	2	10.0	17.0	107	16	8	8.5	14.0	95	8	12	9.0	15.0	83	8	7	6.0	11.5	53	11	7	6.0	10.0	58	5	9	6.0	10.0	46	3	4	7.5	11.5	31	6	6	5.0	9.0
19	122	12	2	11.0	17.0	111	12	6	10.0	15.0	96	11	7	9.0	16.0	81	12	2	7.5	12.5	58	13	5	6.0	10.5	59	5	6	5.0	10.5	46	6	3	5.5	10.0	31	10	6	2.5	5.0
20	124	8	4	9.0	18.0	111	12	6	9.0	16.0	95	10	4	8.5	16.0	87	5	8	6.0	10.0	60	8	5	7.5	12.0	57	5	4	7.5	12.0	46	6	2	6.0	10.5	31	4	6	4.5	7.5
21	124	8	4	12.0	17.5	111	14	6	9.0	15.5	97	8	8	9.0	16.0	85	9	5	6.5	11.5	59	7	4	6.5	12.5	56	6	6	6.0	13.0	46	7	2	6.0	11.5	31	6	4	10.0	19.0
22	122	8	2	11.5	17.5	111	10	8	8.0	16.5	97	10	8	9.5	17.0	87	5	7	5.0	9.0	55	12	2	8.5	15.5	57	7	7	6.5	11.0	46	3	4	5.0	10.0	29	4	4	5.0	7.5
23	123	8	5	11.0	18.5	111	11	6	10.0	17.0	97	9	8	10.5	16.5	87	8	8	7.0	12.5	55	14	4	6.0	13.0	55	7	6	6.5	12.0	44	8	3	7.5	13.5	29	5	5	4.0	7.5

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.051					.113					.246					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm
00	118	12	6	10.0	15.0	107	12	11	7.0	12.0	95	6	11	8.0	13.0	82	7	8	*6.0	*10.0	53	6	4	10.0	10.0	50	6	3	3.5	7.5	44	2	4	9.0	11.5	27	4	2	*7.5	*6.5
01	118	10	6	8.5	12.5	107	14	7	7.5	12.0	91	13	7	8.0	13.0	80	12	6	7.0	11.0	53	7	6	9.5	11.0	48	6	1	7.0	11.0	44	2	4	6.0	8.5	25	5	2	*5.0	*6.5
02	118	13	5	9.0	13.5	106	17	7	7.0	11.0	89	16	8	9.0	14.5	78	12	4	*6.0	*10.0	53	4	5	8.0	7.0	51	7	5	9.0	17.0	43	3	5	5.0	8.0	25	4	2	*3.0	*6.5
03	118	12	5	9.5	15.0	107	14	8	8.0	12.0	91	14	8	8.5	15.0	76	15	3	7.0	10.5	51	10	4	5.0	7.5	52	8	6	5.5	7.5	42	4	4	5.0	7.5	25	4	2	*7.5	*5.0
04	119	13	5	9.5	14.5	107	14	10	8.5	13.0	87	18	6	10.0	15.0	76	16	4	8.0	13.0	53	5	7	4.0	6.0	48	8	2	4.0	7.0	38	8	4	5.0	7.5	25	4	2	*5.0	*5.0
05	118	10	6	10.0	15.5	105	20	8	8.5	13.0	89	15	12	9.5	12.5	74	16	4	7.5	11.5	53	5	8	14.0	15.5	48	7	3	3.5	6.0	38	5	4	5.0	4.5	25	2	2	*5.5	*5.0
06	115	9	7	11.0	16.5	95	22	4	6.0	10.0	73	25	6	*2.5	*4.5	78	8	6	*5.0	*8.0	48	7	9	6.5	7.5	56	8	8	5.0	7.0	44	0	7	3.5	6.0	25	2	0	*5.0	*5.0
07	106	18	6	11.0	18.0	93	21	6	3.0	5.5	73	21	4	5.0	8.5	80	6	8	*5.0	*8.5	41	12	8	4.0	7.0	48	10	12	5.5	9.0	42	4	4	10.0	7.5	27	2	4	*10.0	*12.0
08	104	19	4	12.0	17.5	93	14	6	5.0	8.5	77	14	8	*5.0	*9.0	84	6	15	*3.0	*5.0	37	15	2	4.0	10.0	43	5	7			41	5	5	11.0	13.0	25	6	4	*7.0	*3.5
09	104	8	4	12.5	18.5	95	11	6	6.0	9.0	74	18	5	*6.0	*8.0	78	12	8	*4.5	*6.5	36	14	5			42	9	5	5.0	10.0	38	8	4	4.0	6.5	25	9	5	*6.5	*7.5
10	108	18	8	11.0	16.0	97	20	8	5.5	8.0	75	14	4	3.5	6.0	80	6	6	*7.0	*12.0	37	12	9	7.0	14.0	44	9	11	9.5	13.0	38	6	6	6.0	8.5	25	8	4	*3.5	*6.0
11	110	16	9	10.0	15.5	96	18	5	6.5	10.0	75	17	4	3.5	5.5	84	2	10	*8.5	*13.5	35	13	6	3.0	6.0	39	11	8	4.5	6.5	36	8	6	6.5	12.0	23	8	2	*7.5	*7.5
12	112	13	10	10.0	15.0	95	17	2	5.0	10.0	76	13	5	4.0	5.0	80	6	8	*4.5	*10.0	33	18	6	5.0	7.0	40	7	9	6.0	12.5	36	6	6	5.5	10.5	25	6	5	3.0	6.5
13	111	14	10	10.0	15.5	95	17	4	4.0	7.0	75	14	4	*4.0	*6.0	86	8	7	*6.0	*10.0	34	17	5	7.5	12.5	38	4	7			38	6	6	4.0	6.5	26	6	4	3.5	8.0
14	114	14	10	12.0	16.0	95	18	4	4.0	7.5	74	21	5	4.0	6.0	88	6	8	*6.0	*10.0	33	18	4	11.0	17.0	40	17	5	7.5	14.0	39	5	5	4.5	7.5	27	6	2	3.0	6.5
15	116	16	14	12.5	18.0	95	23	4	5.0	8.5	75	22	4	*3.0	*6.0	86	6	6	*8.5	*14.0	37	14	6	19.0	24.0	42	20	5	3.5	7.5	40	6	4	4.5	6.0	29	4	2	*2.0	*6.0
16	116	12	14	12.5	18.5	95	21	5	4.0	6.5	75	22	6	*4.5	*7.0	90	5	11	*8.5	*15.0	41	10	10	6.0	8.0	48	8	4	5.5	18.0	44	2	4	2.5	5.0	31	4	4	*3.0	*7.5
17	114	15	12	10.5	16.0	95	25	4	4.5	7.5	81	24	8	8.5	12.0	86	6	12	*5.0	*8.5	47	8	7	3.5	6.0	56	8	8	5.5	11.0	46	4	4	5.0	7.0	33	8	4	*2.5	*5.0
18	116	15	9	10.5	15.5	105	16	11	8.0	10.0	91	12	15	8.5	16.0	86	4	8	*6.0	*11.0	52	6	8	7.5	7.5	62	3	7	5.5	7.0	46	4	2	4.0	7.5	33	4	6	*5.5	*7.0
19	120	12	9	10.5	16.0	107	14	12	7.5	11.5	91	13	14	10.0	17.0	82	8	4	5.0	10.0	53	9	6	7.0	8.0	62	4	7	7.0	10.0	46	4	2	7.5	7.0	33	7	4	*5.5	*7.5
20	120	12	10	11.0	17.0	107	12	13	9.0	14.0	92	9	11	9.0	16.0	86	8	2	6.0	11.0	53	9	4	14.0	14.5	60	6	5	11.0	13.0	46	5	2	8.0	7.5	31	4	4	*12.0	*15.0
21	119	12	8	10.0	15.0	107	13	12	8.5	12.5	92	10	10	9.0	16.0	86	6	4	*5.0	*10.0	53	6	2	4.0	6.0	58	11	6	6.0	10.0	46	4	2	5.0	7.5	29	6	2	*7.5	*11.0
22	120	9	8	10.0	14.5	105	13	8	8.0	14.0	92	13	9	8.0	13.5	88	6	6	*10.5	*15.0	57	9	4	10.0	13.0	*60			7.0	13.5	46	4	2	11.0	12.5	31	8	4	*10.0	*7.5
23	120	9	7	10.0	14.5	106	17	8	8.5	12.5	91	10	8	7.5	13.0	85	5	5	7.5	10.0	53	8	2	11.0	11.0	62	4	10	12.0	16.0	44	6	2	7.5	7.5	28	9	3	*7.5	*6.0

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Singapore, Malaya Lat. 1.3 N Long. 103.8 E Month March 19 60

Frequency (Mc)

Hour (LST)	.013 F_{am}	.013 D_u	.013 D_l	.013 V_{dm}	.013 L_{dm}	.051 F_{am}	.051 D_u	.051 D_l	.051 V_{dm}	.051 L_{dm}	.160 F_{am}	.160 D_u	.160 D_l	.160 V_{dm}	.160 L_{dm}	.545 F_{am}	.545 D_u	.545 D_l	.545 V_{dm}	.545 L_{dm}
00	164	7	3			144	6	6			121	8	4			96	6	7		
01	164	6	3			144	6	5			123	5	5			98	5	9		
02	165	5	3			144	8	4			122	7	5			96	7	8		
03	164	7	4			144	8	6			123	7	6			96	10	6		
04	164	8	4			142	8	2			121	10	4			96	10	8		
05	164	8	4			142	10	6			123	7	10			92	12	8		
06	164	4	2			138	10	6			117	11	18			80	24	15		
07	162	6	6			137	11	11			113	14	12			76	23	12		
08	162	5	6			133	14	9			114	8	19			82	19	21		
09	162	4	4			136	14	8			109	16	8			78	20	18		
10	158	8	4			135	9	11			108	16	12			80	16	18		
11	160	6	4			136	8	9			112	10	16			84	18	20		
12	164	4	8			140	8	12			120	9	17			92	18	19		
13	164	6	6			146	6	13			123	10	16			99	15	17		
14	167	14	5			146	14	9			130	9	19			108	10	22		
15	172	6	8			154	8	16			133	8	18			108	16	21		
16	172	7	7			152	10	13			131	6	18			104	10	18		
17	168	4	5			148	6	9			125	8	11			98	11	12		
18	168	2	6			146	4	7			125	3	9			100	4	7		
19	166	4	5			146	4	5			125	4	8			98	4	6		
20	166	4	5			146	5	6			123	5	6			96	6	6		
21	166	6	6			145	5	8			123	5	5			96	6	6		
22	164	6	2			144	6	4			121	8	4			96	7	7		
23	164	7	3			144	6	4			122	8	4			96	6	5		

Hour (LST)	2.5 F_{am}	2.5 D_u	2.5 D_l	2.5 V_{dm}	2.5 L_{dm}	5 F_{am}	5 D_u	5 D_l	5 V_{dm}	5 L_{dm}	10 F_{am}	10 D_u	10 D_l	10 V_{dm}	10 L_{dm}	20 F_{am}	20 D_u	20 D_l	20 V_{dm}	20 L_{dm}
00	67	7	7			62	5	4			51	2	4			30	3	2		
01	67	9	2			63	4	4			51	2	3			28	4	2		
02	69	7	4			63	3	2			49	4	0			28	6	2		
03	69	7	5			63	4	3			50	5	3			28	4	4		
04	67	10	4			63	3	4			49	4	4			26	4	2		
05	67	8	4			61	4	4			47	4	4			26	2	2		
06	59	9	6			55	6	4			47	5	6			26	4	0		
07	51	12	12			47	10	6			43	5	6			28	4	4		
08	40	12	11			37	11	9			37	8	6			26	3	2		
09	41	12	16			38	11	11			33	10	6			24	4	4		
10	39	14	10			39	10	12			33	4	8			22	4	1		
11	37	12	8			32	13	8			30	7	8			26	3	4		
12	41	27	10			31	24	10			35	4	12			26	9	4		
13	45	32	15			47	16	24			37	12	8			27	12	5		
14	55	32	22			49	26	22			43	16	10			34	14	10		
15	71	16	32			59	16	22			49	15	9			34	18	8		
16	69	16	25			57	21	13			48	12	5			34	9	6		
17	63	17	12			55	12	4			49	6	2			31	6	3		
18	63	8	6			63	2	4			49	4	2			27	5	3		
19	69	2	6			63	2	4			49	4	3			26	3	2		
20	67	6	2			63	4	2			51	4	4			30	2	2		
21	68	5	6			63	2	3			51	2	3			31	3	3		
22	67	5	6			63	2	4			51	2	2			32	2	2		
23	69	4	10			62	3	4			51	2	4			32	2	3		

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Singapore, Malaya Lat. 1.3 N Long. 103.8 E Month April 19 60

Frequency (Mc)

Hour (LST)	.013					.051					.160					.545					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	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	165	5	2			144	6	4			124	6	5			98	5	7			64	7	3			59	4	4			50	2	4			31	3	3		
01	167	2	4			144	8	2			125	8	6			98	8	6			66	6	4			61	4	4			49	3	3			29	5	2		
02	167	3	4			144	8	3			124	8	4			98	6	8			66	6	3			63	2	6			48	2	2			29	4	2		
03	167	3	4			145	6	5			124	9	5			96	13	6			68	4	6			62	3	3			48	3	4			27	9	2		
04	167	4	5			145	6	6			125	8	7			96	13	8			67	8	5			62	3	3			46	5	5			27	5	2		
05	168	3	7			146	5	8			123	10	9			90	18	9			66	8	6			61	2	7			44	3	5			27	5	2		
06	165	6	4			139	11	5			117	14	12			86	21	13			56	10	4			57	2	8			44	4	4			29	3	3		
07	163	5	4			138	11	9			117	14	12			86	18	19			46	17	12			45	10	5			42	3	4			28	3	3		
08	163	2	4			138	8	8			116	11	14			84	20	17			38	20	8			40	10	11			38	4	10			27	6	2		
09	165	4	8			138	6	10			116	13	11			84	18	17			42	22	12			37	14	6			34	6	4			25	4	2		
10	163	4	4			138	8	8			116	11	15			86	16	20			46	16	12			37	16	12			31	7	7			25	4	4		
11	163	6	6			138	4	10			117	12	14			89	17	17			44	18	14			31	14	6			32	7	6			25	7	3		
12	165	8	6			140	10	6			123	8	12			96	14	13			48	24	12			33	26	8			34	12	8			27	9	4		
13	167	8	4			144	13	6			127	10	12			100	15	16			56	22	18			42	26	13			38	14	5			31	9	6		
14	169	6	2			150	7	10			129	9	11			108	11	20			64	17	24			53	20	17			42	14	7			33	13	6		
15	171	9	4			148	13	8			127	13	8			106	11	18			68	19	26			55	17	18			44	12	4			33	11	6		
16	171	6	4			148	8	4			128	7	11			101	10	14			64	16	22			53	11	11			46	4	4			31	9	2		
17	169	4	2			147	5	6			123	10	7			96	12	10			62	11	15			55	7	6			48	3	3			31	4	2		
18	167	4	4			144	7	5			123	7	6			98	6	6			62	6	7			63	2	4			48	4	2			29	3	4		
19	167	4	4			146	4	3			125	5	4			98	7	4			67	4	5			63	5	2			49	2	3			29	2	3		
20	167	3	4			146	4	4			123	5	4			96	5	4			66	6	4			65	3	4			50	0	3			31	2	2		
21	166	4	3			144	5	2			121	9	3			94	9	5			68	4	6			63	4	2			50	3	2			33	1	4		
22	165	4	3			144	4	5			121	7	4			96	5	8			66	5	4			61	4	4			50	3	2			32	2	3		
23	166	3	4			144	4	4			123	7	6			96	7	8			64	6	4			61	2	5			50	2	4			33	2	2		

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

MONTH-HOUR VALUES OF RADIO NOISE

Station Singapore, Malaya Lat. 1.3 N Long. 103.8 E Month May 19 60

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	165	4	6			144	4	6			125	2	6			98	3	6			66	4	4			61	2	6			50	3	4			30	4	2		
01	165	3	6			144	4	6			125	5	8			98	4	7			66	4	4			61	3	6			48	4	4			30	2	5		
02	167	2	6			146	3	6			125	6	6			100	4	8			68	4	6			61	3	4			48	2	4			28	3	4		
03	167	3	7			144	7	4			125	7	6			100	4	8			68	4	4			61	4	4			46	3	2			26	4	2		
04	167	2	6			144	4	4			125	8	6			98	4	7			68	4	6			61	4	3			44	6	2			24	4	1		
05	167	2	6			144	5	5			121	11	7			92	10	10			66	5	5			61	2	5			44	4	6			26	4	2		
06	165	2	6			138	8	6			117	12	13			86	15	13			60	4	8			55	4	6			44	2	2			28	3	3		
07	161	6	2			136	6	6			115	10	11			82	14	16			50	10	8			48	5	9			42	3	4			28	4	2		
08	163	4	2			136	7	8			111	18	11			78	22	18			44	16	10			42	13	9			38	7	4			28	3	3		
09	163	5	4			134	11	5			106	19	7			73	30	13			37	29	7			37	14	8			34	6	4			26	4	2		
10	161	7	2			132	14	3			105	21	6			76	26	17			38	25	10			37	19	10			30	10	2			26	5	4		
11	161	6	2			134	15	5			113	18	16			82	22	22			34	30	6			33	28	10			31	17	5			24	8	2		
12	163	5	4			136	10	6			111	22	10			84	23	18			34	32	4			32	25	9			32	14	6			26	7	4		
13	165	4	4			138	15	5			117	15	12			88	21	21			36	39	5			35	28	9			34	16	6			28	8	5		
14	167	4	4			142	7	6			121	13	12			94	18	13			50	23	16			42	20	16			38	12	5			30	10	6		
15	167	6	4			144	10	9			123	14	12			102	15	22			56	17	19			49	14	14			42	11	7			30	13	5		
16	169	10	6			146	13	9			125	12	16			98	16	17			64	21	21			53	18	10			44	10	2			32	10	4		
17	167	4	6			144	7	7			121	11	10			96	12	12			60	16	9			55	7	4			48	2	4			32	4	4		
18	167	2	8			142	8	5			121	10	8			98	8	6			66	6	7			61	2	3			50	2	4			30	4	3		
19	165	4	4			144	5	4			123	5	5			96	6	4			70	2	5			65	2	3			50	2	5			30	4	5		
20	165	3	6			142	6	4			123	5	7			96	7	5			68	4	4			65	4	1			50	3	2			32	5	5		
21	165	4	4			142	7	4			121	7	3			98	7	7			68	4	6			63	4	2			50	4	4			32	4	4		
22	163	5	2			142	5	4			121	6	2			96	5	5			66	5	4			61	2	3			50	2	4			32	2	4		
23	165	2	4			144	4	5			123	4	4			98	4	6			64	7	3			61	2	4			50	2	4			32	2	2		

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

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013										.160					.495					2.5					5					10					20				
	Fom	Du	Dℓ	Vdm*	Ldm*	Fom	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fam*	Du	Dℓ	Vdm*	Ldm*	Fom	Du	Dℓ	Vdm	Ldm
00	152	2	2	2.5	5.0						105	3	6	15.0	19.5	75	10	2	16.0	19.0	62	14	5	17.0	23.5	57	7	6	18.0	23.0	33			12.0	15.5	27	4	4	8.0	11.0
01	152	2	2	2.5	5.0						104	4	2	15.0	20.0	75	12	2	15.0	18.5	68	8	11	19.5	25.5	58	4	8	19.0	24.5	34			13.0	16.0	27	4	4	7.0	9.0
02	152	2	2	2.5	4.5						104	4	3	17.0	11.0	75	11	2	15.5	18.5	67	9	9	18.0	25.5	57	5	8	8.5	18.5	36			18.5	24.0	27	5	4	8.0	11.0
03	152	2	2	3.0	5.0						104	5	4	15.0	18.0	75	5	2	14.5	18.0	68	8	7	12.5	26.0	58	4	8	16.5	20.0	37			14.0	16.5	27	6	4	10.5	13.0
04	152	2	2	3.0	5.0						104	5	1	18.0	20.5	73	6	0	*15.0	*18.0	63	13	4	13.0	24.0	58	3	8	14.0	15.0	34			10.0	12.5	27	5	4	7.0	9.0
05	152	2	2	2.0	5.0						104	2	3	*12.0	*19.0	*77			*12.5	*19.0	64	10	5	16.0	24.0	57	3	9	14.5	20.0	33			11.5	15.0	27	5	3	4.5	6.0
06	152	2	2	2.5	4.5						104	2	4	*16.0	*19.0	75	24	2	14.0	18.5	64	12	6	16.5	24.5	56	4	6	15.0	23.0	34			11.5	15.0	28	8	5	6.5	9.0
07	151	3	1	2.5	4.5						*104			*14.0	*17.5	*75			*8.0	*14.5	65	11	5	18.5	25.0	*56			13.5	20.0	40			19.5	20.5	*25			6.5	9.0
08	*150			2.0	4.5						*106			*13.5	*18.0	*74			*16.0	*20.0	*70			14.0	27.0	*47			20.0	25.0	38			15.5	18.5	*29			9.0	11.5
09	152	2	2	2.0	4.5						106	2	4	*15.0	*18.0	*75			*15.0	*18.0	*68					*54					36			8.0	14.5	*27			9.5	11.5
10	152	1	3	2.0	4.5						105	1	6	*12.0	*15.0	75	3	2	*14.5	*19.0	69	6	10	18.5	24.5	55	6	8			32			9.0	15.5	29	4	4	7.5	11.5
11	152	1	2	2.0	4.0						106	3	7	*13.0	*19.0	73	9	0	*14.0	*17.0	66	6	8	19.0	25.0	56	5	6	20.0	25.5	32			6.5	10.0	29	2	4	7.0	9.5
12	150	3	2	2.0	6.0						106	3	6	*16.0	*21.0	*77			*9.5	*17.0	64	8	8	17.0	22.5	54	6	5	10.0	20.0	32			5.5	10.0	29	5	6	10.5	12.5
13	150	2	7	2.5	5.0						106	2	8	13.5	17.5	*73			13.5	17.5	62	10	6			*54			11.0	15.0	38			11.5	14.0	29	3	8	8.0	10.0
14	150	4	7	2.0	4.5						106	2	8	13.0	17.5	75	8	2	13.0	18.0	62	10	8	16.5	24.5	55	8	5			34			12.5	15.0	29	5	6	6.5	7.5
15	150	4	1	2.0	4.5						104	4	7	*17.0	*19.5	77	0	4	*14.0	*19.0	66	8	9	9.0	12.0	54	7	4	11.5	20.0	34			3.5	5.5	28	5	7	8.5	10.5
16	151	1	1	3.0	5.0						104	4	7	17.5	21.0	75	4	2	11.0	17.0	65	8	8	11.5	16.0	53	8	6	19.0	22.5	36			8.0	11.0	27	4	5	7.5	9.0
17	150	4	0	2.0	4.5						102	6	5	16.5	18.5	75	4	2	*15.0	*19.0	60	12	4	20.0	25.0	54	6	6	18.0	23.0	36			6.5	9.0	27	4	4	7.5	9.5
18	152	2	2	2.0	4.5						104	5	8	*16.5	*19.5	75	5	2	*8.0	*10.0	62	11	7	15.0	23.5	54	6	6	14.0	19.0	34			8.5	11.5	29	4	6	7.0	10.0
19	150	2	0	2.0	4.5						106	4	10	16.0	19.5	75	5	2	15.5	19.0	62	12	7	19.0	26.0	54	6	4	17.5	21.5	34			14.0	17.0	27	7	4	8.0	10.5
20	152	2	2	2.0	4.5						104	4	6	15.0	17.5	75	5	2	*11.5	*17.0	66	10	10			56	4	5	18.0	22.5	32			11.5	15.0	27	4	4	6.5	9.5
21	152	0	2	2.5	5.0						106	3	8	*14.0	*16.5	75	4	2	*14.0	*19.0	68	7	11	18.5	26.0	54	6	3	17.0	20.5	34			12.0	15.0	27	6	4	7.0	9.0
22	152	2	2	2.0	4.5						104	6	6	*15.0	*17.5	75	3	2	16.0	19.5	62	13	7	18.5	25.5	54	6	4	15.0	20.0	41			13.0	17.0	27	4	4	8.5	10.5
23	152	2	2	2.5	5.0						104	5	5	15.0	19.0	75	4	2	16.0	19.0	64	12	8	13.0	19.0	56	10	4	16.5	22.0	36			10.5	18.0	29	4	6	8.5	10.5

F_{am} = median value of effective ontenna noise in db above ktb
D_u = ratia of upper decile to median in db
D_ℓ = rotia of median ta lower decile in db
V_{dm} = median deviation of average voltage in db below mean pawer
L_{dm} = median deviation of overage logarithm in db below meon pawer

MONTH-HOUR VALUES OF RADIO NOISE

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

Frequency (Mc)

Hour (LST)	.013										.495					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	151	6	4	1.5	2.0											*81			18.0	20.5	70	7	7	13.0	19.5	56	6	4	18.0	21.0	33			9.5	11.5	27	3	3	9.5	12.0
01	153	4	6	1.5	2.0											77	6	2	*18.0	*20.0	70	5	7	9.0	12.0	56	4	4	13.0	16.0	31			13.0	14.0	28	2	4	10.0	11.0
02	151	6	2	1.5	2.5											77	4	2	17.0	18.0	69	6	6	9.5	14.0	56	4	4			31			11.5	14.0	28	2	4	11.0	12.0
03	151	6	2	1.5	2.0											*77			16.5	18.5	71	6	8	9.0	13.0	56	4	4			31			13.0	14.0	28	2	4	11.0	13.0
04	151	6	2	2.0	3.0											*79			14.0	17.5	70	9	7	14.0	14.0	56	4	4			33			14.0	16.0	28	2	4	12.5	14.0
05	153	4	4	1.5	2.0											77	6	2	16.0	19.0	69	6	4	15.0	20.0	56	4	4			32			11.0	14.0	28	6	4	11.0	14.0
06	153	4	4	2.0	2.0											*79			*16.5	*19.0	70	4	8	14.0	17.5	56	4	6			33			9.0	12.0	26	4	2	10.5	12.5
07	153	3	4	2.0	2.0											*77			*17.0	*18.5	69	4	8	9.0	13.0	56	8	4	17.0	22.5	32			*14.5	*16.5	*26			*8.5	*9.5
08	*153			1.5	2.5											*78			*17.5	*15.5	*69			6.0	9.5	*56					33			*6.0	*8.0	*28			11.0	13.5
09	*149															*77			*17.0	*18.0	69	4	6	6.5	10.0	55	3	5			32			*8.5	*10.0	25	5	1	8.0	9.5
10	153	4	4	1.5	2.5											*75			*15.0	*18.0	67	6	5	7.0	17.0	56	4	6			32			8.5	10.5	24	6	0	7.0	8.5
11	151	4	4	2.0	3.0											*77			16.0	19.5	69	6	8			54	4	4			33			*11.0	*12.5	26	4	4	8.0	9.5
12	151	4	4	1.5	2.0											*79			*15.0	*16.0	69	6	8	8.5	11.5	54	4	4	8.0	11.5	31			6.5	9.0	26	3	4	*10.0	*11.0
13	153	5	3													*78			16.5	19.0	71	6	10	8.0	12.0	56	3	6			31			13.0	13.5	26	8	4	*10.0	*12.0
14	151	6	2	1.5	2.5											*76			*14.5	*17.5	71	6	9	11.0	15.5	54	6	4			31			8.0	9.0	26	4	4	9.5	10.5
15	151	5	6	2.0	2.5											*75			*16.5	*19.0	70	5	7	6.0	9.0	54	4	6	17.5	18.0	31			*11.0	*11.5	26	4	4	11.0	12.5
16	151	6	4	1.5	2.0											*77			*16.0	*18.5	70	5	7	8.0	12.0	54	4	4			31			10.5	12.0	26	4	4	9.5	9.5
17	151	4	4	2.5	2.5											*77			17.0	19.0	71	6	6			54	4	4			31			8.5	10.0	24	6	2	9.0	11.0
18	151	6	4	2.0	2.5											*77			16.5	19.0	71	5	9	7.0	11.0	54	6	4			34			*8.0	*12.0	26	4	4	9.0	10.5
19	151	6	4													77	4	2	17.0	19.0	70	5	7	7.0	10.0	56	4	6			32			*9.0	*11.0	26	4	4	8.5	10.0
20	151	6	4	2.0	2.5											*77			*17.0	*19.0	69	10	8	9.5	11.5	56	2	4			32			8.5	10.0	26	4	2	9.0	11.0
21	151	6	4	1.5	2.0											*77			17.5	19.0	68	9	5	13.0	20.0	56	2	4	16.5	19.5	33			10.0	10.5	26	4	2	9.5	11.5
22	151	6	2	1.5	2.5											*79			*17.5	*18.0	71	8	10			57	1	5	12.5	15.0	33			9.5	13.5	26	4	2	9.5	12.5
23	151	6	2	1.5	2.5											*79			14.0	17.0	71	8	8	10.5	18.0	56	2	6	16.5	18.0	33			10.0	12.0	26	4	2	10.0	12.0

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 May 19 60

Hour (LST)	Frequency (Mc)																																	
	.013					.051										.495					2.5					5					10					20				
	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm	Fom	Du	Dℓ	Vdm	Ldm
00	151	1	2			118	2	3								74	7	2			71	10	14			58	9	5			29	5	9			33	6	6		
01	151	1	3			117	2	2								74	4	4			71	8	13			62	7	9			29	3	9			35	4	8		
02	151	1	3			117	2	4								74	5	4			71	8	10			60	8	5			29	3	9			35	4	8		
03	151	1	2			117	3	4								73	4	2			71	8	16			60	7	7			27	5	3			35	4	6		
04	151	0	2			117	2	4								74	5	4			71	8	10			58	9	5			27	4	7			37	6	6		
05	150	1	1			117	2	2								74	5	5			71	8	8			57	12	7			27	3	7			35	8	6		
06	151	1	4			116	3	3								72	8	2			71	11	10			62	6	11			27	5	7			35	4	6		
07	151	0	2			117	2	4								*72					71	10	9			60	8	7			*29					*37				
08	151	1	4			115	3	3								72	6	2			73	8	8			60	7	7			27	6	6			33	5	3		
09	151	1	2			116	1	3								72	8	2			73	8	10			59	9	6			*29					35	2	4		
10	150	2	2			117	3	3								72	9	2			69	11	9			56	10	3			29	7	7			34	7	3		
11	149	2	2			116	5	3								72	7	2			69	11	10			57	11	6			*28					35	8	6		
12	150	2	1			116	2	4								72	8	2			68	15	11			57	9	6			*28					33	8	2		
13	149	2	0			115	4	3								74	5	4			73	8	8			60	9	10			*29					33	3	4		
14	150	1	2			117	1	4								74	5	4			70	10	12			55	12	6			*26					33	6	5		
15	150	3	1			115	4	1								74	5	5			69	11	9			55	11	4			*29					34	4	7		
16	150	1	3			116	3	3								74	5	4			69	12	8			55	11	3			29	2	9			33	5	6		
17	150	2	1			117	2	4								72	7	2			69	12	10			56	10	3			29	4	9			34	7	5		
18	150	1	2			116	3	3								74	7	4			69	10	10			57	11	6			29	4	7			35	2	8		
19	150	2	1			117	2	3								74	5	2			71	8	14			57	10	6			29	5	6			35	4	6		
20	150	2	1			117	2	2								72	7	2			71	8	14			55	13	6			31	4	7			35	4	4		
21	151	1	2			117	2	2								74	6	5			69	10	11			60	6	9			30	4	6			33	4	2		
22	151	1	2			118	3	3								74	6	4			70	9	11			59	9	8			31	3	8			35	4	5		
23	151	1	3			118	3	3								72	7	2			71	10	12			59	9	8			31	2	8			35	4	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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0 N Long. 79.5 W Season Spring (Mar. Apr. May) 19 60

	TIME BLOCKS (LST)																										
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	173	6	4	10.0	17.5	173	7	4	10.5	17.0	172	7	5	11.5	18.0	175	7	4	10.5	17.0	174	5	3	9.5	15.5	173	5	5	10.0	17.5
.051	144	7	5	9.0	16.0	141	10	5	10.0	18.0	137	10	9	13.0	21.5	142	10	7	11.0	19.0	140	8	6	10.0	17.0	142	7	4	8.0	14.5
.160	123	9	6	7.0	13.0	120	10	10	11.0	19.0	114	12	11	13.0	24.0	118	15	13	11.5	21.0	119	10	9	10.0	18.0	122	7	5	6.0	11.5
** .495	102	10	6	7.0	14.0	100	8	13	13.0	24.0	98	12	23	14.0	25.0	100	20	16	12.5	23.0	98	10	11	10.0	18.0	101	6	6	6.0	13.0
2.5	69	6	6	6.0	12.0	64	7	8	8.0	15.0	43	16	15	9.0	15.5	45	23	15	6.5	11.0	55	12	8	6.5	12.5	66	6	4	5.5	10.5
5	62	4	5	5.0	9.0	57	5	6	6.5	11.5	36	13	11	8.0	14.0	38	20	11	9.5	13.5	53	8	5	5.5	10.0	62	4	4	4.5	8.0
10	48	4	4	5.0	8.5	44	4	4	5.0	9.0	33	8	7	10.0	12.0	36	9	7	7.0	12.0	47	4	4	4.5	8.0	49	4	3	4.5	8.0
20	27	6	3	3.0	5.0	26	4	3	2.5	4.0	25	6	4	3.5	6.0	29	6	3	4.5	7.0	30	4	3	3.0	5.5	29	5	4	3.5	5.5

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

** No data for March.

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Bill, Wyoming Lat. 43.2 N Long. 105.2 W Season Spring (Mar. *** ***) 19 60

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	126	4	8			118	11	9			111	10	12			114	19	15			118	17	16			126	10	13		
.113	106					92					78					78					94					105				
.246	91	8	12			77	12	9			72	11	8			72	24	8			82	20	11			91	15	14		
.495	82	10	9			60	14	6			55	7	8			57	9	11			68	13	13			83	11	11		
2.5	56	8	7			43	10	6			23	4	3			22	4	2			38	9	6			32	10	7		
5	52	5	4			46	5	6			23	3	3			22	5	2			40	7	7			49	7	5		
10	39	6	8			35	5	6			25	7	3			27	5	3			38	4	6			40	4	6		
20	24	2	4			26	2	2			27	3	4			29	6	3			29	4	4			22	4	2		

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

***No data for April and May.

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1 N Long. 105.1 W Season Spring (Mar. Apr. May) 19 60

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	150	7	5	10.5	18.0	147	7	5	10.5	18.5	146	8	4	11.0	17.0	150	9	5	9.5	15.0	150	9	7	9.0	16.0	150	8	6	11.0	18.0
.051	128	10	8	10.0	15.0	120	10	9	11.0	19.5	115	13	9	11.5	17.0	121	14	10	10.0	17.5	124	17	12	9.5	16.5	128	11	9	9.0	17.0
.160	105	11	12	8.0	16.0	88	17	14	7.5	13.5	64	19	13	9.0	14.0	92	19	20	6.5	12.0	102	15	22	7.0	12.0	106	13	16	10.5	15.5
.495	84	12	10	6.0	12.5	67	9	6	5.0	9.5	65	9	5	4.5	9.5	71	17	10	4.0	8.0	77	17	14	4.5	8.5	85	11	12	5.5	11.0
2.5	64	11	12	5.5	9.0	48	7	6	2.5	3.5	47			1.5	3.0	52			2.5	5.0	57	32	8	4.0	6.5	64	10	13	4.0	7.5
5	57	5	4	5.0	8.5	47	4	5	4.0	6.5	39	4	4	2.5	4.0	42	5	4	3.0	5.0	49	7	3	4.0	6.5	56	9	6	6.0	10.0
10	46	5	8	3.5	6.0	39	5	4	3.5	5.5	30	8	3	3.0	4.5	35	10	5	3.5	5.5	46	6	6	4.0	7.0	47	5	7	4.5	7.5
20	25	2	2	1.0	2.5	26	2	3	2.0	3.5	26	4	2	2.5	4.0	28	5	3	2.0	4.5	28	5	3	3.0	4.5	25	3	2	1.5	3.0

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Byrd Station, Ant. Lat. 80.0 S Long. 120.0 W Season Fall (Mar. Apr. May) 1960

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	104	4	3			103	5	4			100	6	4			99	4	3			101	5	4			104	5	4		
.113	79	6	6			77	6	4			77	8	7			77	3	4			77	4	5			78	8	4		
.246	62	7	3			63	8	6			63	8	6			63	7	5			63	6	4			63	5	4		
.545	55	7	5			56	7	6			56	4	6			56	5	6			57	5	4			56	6	5		
2.5	26	5	4			25	4	3			24	4	2			26	5	3			26	5	2			26	4	3		
5	29	10	9			23	14	5			22	9	5			27	7	8			31	9	10			32	10	8		
10	30	7	6			23	7	8			21	5	8			24	3	6			26	5	8			27	4	10		
20	18	2	1			18	2	2			18	2	0			19	1	2			19	2	1			18	2	1		

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Cook, Australia Lat. 30.6 S Long. 130.4 E Season Fall (Mar. Apr. May) 19 60

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	157	2	3	7.5	12.5	157	3	4	9.0	14.0	152	4	4	11.5	17.5	154	4	5	11.0	17.0	155	5	3	8.0	14.0	157	3	3	8.0	13.0
.051	130	4	5	9.0	14.5	126	6	6	9.0	14.0	113	8	9	12.5	19.0	117	8	11	11.5	19.0	121	8	7	9.5	16.5	130	5	5	8.5	15.0
.160	106	6	5	8.5	15.0	96	10	9	9.5	16.5	72	19	12	11.0	17.0	80	16	13	11.0	15.5	94	11	12	10.5	17.0	105	8	7	8.0	14.5
.545	84	8	7	8.0	14.0	67	17	8	9.0	15.0	49	16	6	5.0	9.0	52	15	7	4.5	8.0	72	11	10	6.5	13.0	88	6	7	6.0	12.0
2.5	55	6	4	7.0	12.0	48	8	6	7.0	11.5	23	12	2	5.0	8.5	20	7	1	3.5	5.5	40	10	7	6.5	11.0	57	8	6	7.0	12.0
5	50	5	6	6.0	10.0	47	6	5	5.5	8.5	23	11	6	5.5	8.5	21	10	5	4.0	6.5	42	7	6	5.5	10.0	54	5	5	6.0	10.0
10	40	4	4	4.0	7.0	36	5	5	4.0	6.5	24	9	8	4.0	6.5	24	7	9	5.5	9.0	38	5	5	4.5	7.5	41	4	6	4.5	7.0
20	23	2	3	2.0	3.5	23	2	3	2.0	3.5	21	4	3	3.0	5.0	21	5	3	3.5	6.0	24	5	3	3.5	5.5	23	3	3	2.0	3.5

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Enkoping, Sweden Lat. 59.5 N Long. 17.3 E Season Spring (Mar. Apr. May) 1960

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	114	6	4	9.0	14.0	103	8	6	11.0	16.5	105	5	8	10.0	15.0	110	7	7	11.5	17.0	112	6	7	10.0	16.0	116	6	5	9.0	13.5
.246	74	7	7	6.0	9.5	65	5	4	4.5	8.0	65															73	5	6	4.5	8.5
.545	65	6	6	4.5	8.0	57	7	6	4.5	7.5	56	6	4	4.5	6.5	55	9	4	6.5	9.0	64	10	6	4.5	7.5	78	8	9	6.0	10.5
2.5	51	6	7	6.0	9.0	36	6	6	5.0	7.0	35	5	7	4.0	5.5	41	4	8	2.0	4.0	45	5	8	3.0	5.0	52	6	7	3.5	7.5
5	52	5	6	4.5	8.0	38	6	6	5.0	7.5	25	4	5	4.5	7.0	25	7	6	4.0	6.5	41	7	8	3.5	6.0	53	4	5	4.5	8.0
10	39	7	6	4.0	6.5	40	9	7	4.5	6.5	38	9	11	5.5	8.0	42	15	11	4.0	8.0	46	12	6	5.5	9.0	44	10	6	4.5	7.0
20	22	2	0	1.0	3.0	21	3	1	1.0	3.0	22	7	3	2.5	5.0	25	6	4	2.0	4.0	23	5	3	2.5	4.5	20	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 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 Front Royal, Virginia Lat. 38.8 N Long. 78.2 W Season Spring (Mar. Apr. May) 19 60

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.135	108	9	10			99	11	8			92	12	7			96	11	9			100	13	10			108	11	10		
.500	83	10	10			66	12	6			57	9	2			59	12	4			63	17	6			80	12	10		
2.5	67	8	10			50	8	7			30	4	3			30	10	3			43	19	6			67	10	12		
5	70	9	8			51	6	8			29	6	4			29	6	4			45	11	7			57	9	9		
10	42	7	4			39	6	4			32	6	3			34	7	3			45	7	5			46	6	6		
20	23	1	1			23	1	1			24	2	1			26	3	2			28	5	3			23	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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Kekaha (Kauai), T.H. Lat. 22.0 N Long. 159.7 W Season Spring (Mar. Apr. May) 1960

	TIME BLOCKS (LST)																										
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	154	2	3	9.0	14.5	153	3	2	10.5	17.0	150	3	2	11.0	17.5	149	2	3	12.0	18.5	147	3	3	12.0	19.0	151	2	4	8.0	13.5
.05–1	128	3	3	9.5	15.5	125	4	3	10.5	17.5	109	7	7	12.0	19.0	109	9	7	13.5	21.0	105	9	5	10.0	16.0	120	6	4	10.5	17.5
.160	101	7	6	9.5	14.0	90	9	7	10.5	17.5	72	18	9	13.0	21.5	68	16	9	13.0	18.0	73	14	7	8.0	13.0	96	8	6	10.5	18.0
.495	80	8	7	10.0	17.5	67	9	8	7.5	13.0	51	7	4	4.0	6.5	50	9	4	3.0	5.0	56	8	4	4.0	6.5	75	10	9	9.5	16.0
2.5	55	5	6	7.0	11.0	51	7	5	6.0	9.5	32	6	3	3.5	5.5	30	5	3	3.0	5.0	37	7	4	3.5	5.5	52	7	6	6.5	9.5
5	62	6	6	6.5	11.5	49	7	4	5.5	9.0	26	4	4	5.0	7.5	24	6	3	5.0	7.5	36			8.0	10.0	53	4	3	5.0	8.5
10	44	4	4	3.0	5.5	39	5	3	3.0	5.5	24	5	5	4.5	7.0	22	2	4	4.5	7.0	36	2	3	4.0	7.0	43	2	3	3.0	6.0
20	24	2	0	1.5	3.0	23	2	1	1.5	3.0	20	3	2	3.0	5.5	20	3	3	2.5	4.5	24	2	3	3.0	5.0	24	2	1	2.5	4.0

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station New Delhi, India Lat. 28.8 N Long. 77.3 E Season Spring (Mar. Apr. May) 19 60

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
** .013	152	6	11			151	4	7			148	6	5			150	4	6			152	9	4			154	6	8		
** .051	130	8	16			122	12	8			112	17	8			122	13	9			128	14	15			130	11	12		
*** .160	104	10	14			92	17	14			84	26	13			92	16	23			100	16	22			106	12	16		
.545	85	9	12			66	16	8			63	16	7			67	31	10			79	22	14			88	9	11		
2.5	58	9	11			49	10	8			41	6	5			42	18	5			53	16	10			61	9	12		
5	53	6	9			44	9	10			30	9	6			32	20	7			48	13	11			54	8	8		
10	38	6	5			32	6	7			23	11	6			32	8	2			40	8	8			41	6	6		
20	27	5	3			27	3	3			25	5	3			29	7	5			32	8	4			29	5	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

**No data for April and May

***No data for April

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Ohira, Japan Lat. 35.6 N Long. 140.5 E Season Spring (Mar. Apr. May) 19 60

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	154	4	3	8.5	13.0	154	4	2	10.0	15.0	151	4	3	10.0	16.0	152	4	3	11.5	18.5	155	3	3	7.5	12.5	155	4	2	8.0	13.0
.051	130	5	5	8.0	13.0	123	9	6	10.5	16.5	117	10	8	11.5	16.5	118	8	6	11.5	18.5	118	11	6	9.5	15.5	129	6	4	8.5	14.5
.160	108	7	6	7.0	12.5	94	12	11	7.5	12.0	85	15	8	9.0	14.5	83	15	8	9.0	14.5	90	13	9	7.5	13.0	104	9	5	7.0	12.0
.545	82	10	8	5.0	9.5	69	11	5	6.0	11.0	61	10	4	7.5	11.5	67	6	4	7.5	13.5	75	10	7	7.0	12.0	88	9	8	8.0	14.0
2.5	56	11	7	7.0	12.0	45	11	5	7.0	11.0	32	7	3	4.0	6.5	31	9	3	4.0	6.5	41	9	5	6.0	8.0	54	10	5	6.5	10.5
5	56	7	4	5.5	9.0	46	8	7	5.5	9.0	29	8	4	6.5	9.0	29	9	4	5.0	7.5	52	9	7	5.5	11.5	70	10	8	6.0	11.0
10	45	6	4	4.0	7.5	40	7	6	5.0	8.5	31	9	7	4.5	7.0	33	9	7	4.0	7.0	44	9	4	4.0	7.0	47	5	3	4.0	7.0
20	25	4	2	2.0	3.5	25	4	2	2.0	4.0	23	5	2	2.5	4.5	25	4	3	2.5	4.5	28	6	3	3.0	5.0	26	3	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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Pretoria, S. Africa Lat. 25.8 S Long. 28.3 E Season Fall (Mar. Apr. May) 19 60

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	128	9	7			123	11	9			115	15	11			124	12	9			129	13	8			130	10	7		
.113	112	11	9			103	15	13			87	25	12			104	18	19			113	15	17			114	13	9		
.246	99	11	8			83	19	10			66	26	3			86	22	18			96	20	18			101	13	10		
.545	87	10	7			69	15	5			55	15	2			66	26	11			82	21	16			91	10	9		
2.5	57	8	6			48	10	8			32	14	6			37	17	8			54	14	12			60	8	7		
5	48	7	5			42	10	8			21	10	4			25	14	8			45	8	12			58	8	6		
10	36	5	4			34	8	5			24	12	6			30	9	10			42	7	5			39	6	3		
20	21	0	1			21	2	1			21	1	2			22	3	3			24	5	2			22	4	2		

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Rabat, Morocco Lat. 33.9 N Long. 6.8 W Season Spring (Mar. Apr. May) 19 60

	TIME BLOCKS (LST)																													
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	128	3	3			123	4	4			115	5	5			121	8	6			121	13	8			127	5	5		
.246	95	5	5			86	6	5			81	5	6			83	17	7			87	17	9			95	7	6		
.545	83	3	5			74	11	10			72	10	18			79	11	22			82	10	18			87	5	5		
2.5	60	7	6			49	14	5			35	14	4			36	13	5			42	11	6			61	6	6		
5	56	4	5			45	5	4			25	14	3			27	13	6			46	9	8			46	5	8		
10	46	4	5			41	4	5			30	10	7			34	4	8			46	6	6			46	4	4		
20	30	9	3			30	9	3			34	13	7			37	12	9			41	13	9			33	10	6		

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station São José, Brazil Lat. 23.3 S Long. 45.8 W Season Fall (Mar. Apr. May) 1960

Frequency (Mc)	TIME BLOCKS (LST) 0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	125	10	6	10.5	16.5	120	11	5	12.0	18.0	111	13	6	12.0	18.0	120	14	9	12.0	18.5	124	13	6	11.0	17.0	126	8	6	10.0	16.5
.113	112	11	7	9.0	14.5	103	14	6	7.5	12.5	97	15	6	6.5	10.5	104	16	7	8.5	13.0	108	16	9	8.5	14.0	113	10	7	8.5	15.0
.246	97	10	9	9.0	15.5	82	17	7	7.5	11.5	78	14	7	6.0	9.0	83	20	7	7.0	11.5	90	16	10	9.0	15.0	98	9	8	8.5	15.5
.545	82	9	6	7.5	12.5	78	10	6	7.0	12.0	79	8	9	6.5	11.0	85	9	11	8.5	13.5	86	14	8	8.0	13.5	88	6	6	6.0	11.5
2.5	56	8	5	8.0	13.5	50	7	7	7.5	12.5	35	8	5	5.0	8.5	37	15	8	7.5	11.5	51	13	9	7.0	11.0	58	8	4	7.5	12.0
5	52	6	4	7.0	12.5	51	7	5	6.0	11.0	38	6	6	6.0	11.0	38	15	7	8.0	13.0	56	7	7	6.4	11.5	58	5	5	7.0	11.7
10	44	4	4	6.0	10.0	41	5	5	6.0	9.0	36	6	5	6.5	10.0	36	9	5	6.0	10.0	46	6	6	6.0	9.5	46	5	2	6.5	10.0
20	27	5	3	5.0	7.0	26	3	3	4.5	6.5	25	7	4	4.5	7.5	27	7	4	4.5	8.0	32	8	5	3.5	7.5	30	6	4	6.5	9.0

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Singapore, Malaya Lat. 1.3 N Long. 103.8 E Season Spring (Mar. Apr. May) 1960

	TIME BLOCKS (LST)																											
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	166	4	4			165	4	5			149	5	4			167	7	5			168	5	5			165	4	4		
.051	144	6	5			141	8	6			136	10	8			144	10	9			146	7	1			144	5	4		
.160	124	6	6			120	11	10			112	14	12			124	12	13			125	7	9			122	6	4		
.545	98	6	7			88	15	11			81	20	18			99	16	18			96	9	10			96	6	6		
2.5	67	6	4			60	9	7			40	19	10			52	25	17			65	10	12			67	5	5		
5	62	3	4			56	5	5			37	14	9			44	22	15			59	8	6			63	3	3		
10	49	3	3			45	4	4			33	8	6			39	13	7			48	5	3			50	2	3		
20	29	4	3			27	4	2			25	5	3			30	11	6			30	5	3			32	2	3		

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Thule, Greenland Lat. 76.6 N Long. 68.7 W Season Spring (Mar. Apr. May) 19 60

	TIME BLOCKS (LST)																											
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	152	3	3	2.0	3.5	151	3	2	2.0	3.5	151	2	2	2.0	3.5	150	4	3	2.0	3.5	151	3	2	2.0	3.5	151	3	2	2.0	3.5
.051	117	2	3			117	2	3			116	3	3			116	3	3			116	5	3			118	2	2		
.160	104	4	4	15.5	17.0	104	3	3	15.0	19.0	106	2	6	13.5	17.5	106	3	7	15.0	19.0	104	5	8	16.5	19.5	104	4	6	15.0	17.5
.495	76	7	2	16.5	19.0	75	9	2	14.0	18.0	74	7	2	15.5	18.0	75	5	4	14.0	18.0	75	5	2	14.5	17.5	75	5	3	15.5	18.5
2.5	69	8	9	13.5	20.0	68	9	7	14.5	20.0	69	7	8	12.0	19.0	68	9	9	11.0	14.0	68	9	8	9.5	17.5	68	10	10	14.0	20.0
5	58	6	6	15.5	20.5	57	6	6	15.0	20.0	55	7	6	20.0	25.0	55	7	5	11.5	17.0	55	7	5	17.0	21.5	56	6	6	14.0	17.0
10	32	4	8	13.0	15.5	33	4	7	12.5	15.0	32	6	6	9.0	12.5	31			9.0	11.0	32	4	8	9.0	11.5	33	3	7	8.5	14.0
20	30	4	5	9.5	11.5	30	5	4	8.5	10.5	30	5	3	8.5	10.5	29	5	5	9.0	11.0	29	5	5	8.0	10.0	29	4	3	8.5	11.0

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

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

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

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

**No March and April Data

***No April and May Data

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

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

THE NATIONAL BUREAU OF STANDARDS

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

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

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

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

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

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

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

ORGANIC AND FIBROUS MATERIALS. Rubber. Textiles. Paper. Leather. Testing and Specifications. Polymer Structure. Plastics. Dental Research.

METALLURGY. Thermal Metallurgy. Chemical Metallurgy. Mechanical Metallurgy. Corrosion. Metal Physics.

MINERAL PRODUCTS. Engineering Ceramics. Glass. Refractories. Enameled Metals. Constitution and Microstructure.

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

APPLIED MATHEMATICS. Numerical Analysis. Computation. Statistical Engineering. Mathematical Physics.

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

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

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

Office of Weights and Measures.

BOULDER, COLO.

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

IONOSPHERE RESEARCH AND PROPAGATION. Low Frequency and Very Low Frequency Research. Ionosphere Research. Prediction Services. Sun-Earth Relationships. Field Engineering. Radio Warning Services.

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

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

RADIO SYSTEMS. High Frequency and Very High Frequency Research. Modulation Research. Antenna Research. Navigation Systems. Space Telecommunications.

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


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